

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091418\
 Data File : VU026724.D
 Acq On : 13 Sep 2018 10:29
 Operator : MD/SY
 Sample : VU0914MBS01
 Misc : 5.00µ/10mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 11:34:57 AM

Quant Time: Sep 14 01:09:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	118025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	180171	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	171687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	97695	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	86901	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
35) Dibromofluoromethane	4.88	113	71821	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
50) Toluene-d8	7.57	98	262389	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
62) 4-Bromofluorobenzene	10.31	95	92824	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	23105	18.12	ug/l	97
3) Chloromethane	1.33	50	32171	18.06	ug/l	99
4) Vinyl Chloride	1.40	62	33138	17.95	ug/l	100
5) Bromomethane	1.62	94	18690	16.16	ug/l	99
6) Chloroethane	1.70	64	21021	17.89	ug/l	94
7) Trichlorofluoromethane	1.88	101	43614	18.07	ug/l	99
8) Diethyl Ether	2.10	74	19525	18.46	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	26833	18.72	ug/l	100
10) Methyl Iodide	2.41	142	15071	18.68	ug/l	99
11) Tert butyl alcohol	2.83	59	36632	83.94	ug/l	100
12) 1,1-Dichloroethene	2.28	96	25241	18.63	ug/l	98
13) Acrolein	2.19	56	18249	62.05	ug/l	94
14) Allyl chloride	2.59	41	44365	18.18	ug/l	95
15) Acrylonitrile	2.94	53	90333	96.52	ug/l	100
16) Acetone	2.32	43	83417	82.29	ug/l	99
17) Carbon Disulfide	2.48	76	72801	16.89	ug/l	99
18) Methyl Acetate	2.62	43	43525	19.90	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	90276	19.35	ug/l	95
20) Methylene Chloride	2.70	84	30142	18.33	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	26569	18.61	ug/l	97
22) Diisopropyl ether	3.58	45	100084	19.65	ug/l	97
23) Vinyl Acetate	3.53	43	414660	95.84	ug/l	99
24) 1,1-Dichloroethane	3.45	63	54869	19.10	ug/l	100
25) 2-Butanone	4.27	43	124246	90.99	ug/l	99
26) 2,2-Dichloropropane	4.23	77	43725	18.51	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	31072	18.89	ug/l	97
28) Bromochloromethane	4.55	49	23687	17.24	ug/l	97
29) Tetrahydrofuran	4.64	42	77604	94.27	ug/l	99
30) Chloroform	4.68	83	52876	18.71	ug/l	98
31) Cyclohexane	5.00	56	47852	18.12	ug/l	# 95
32) 1,1,1-Trichloroethane	4.92	97	44775	19.14	ug/l	99
36) 1,1-Dichloropropene	5.14	75	37425	18.50	ug/l	98
37) Ethyl Acetate	4.38	43	43709	17.97	ug/l	100
38) Carbon Tetrachloride	5.14	117	39605	18.53	ug/l	98

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MMDadoda
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	44163	18.39	ug/l	99
40) Benzene	5.39	78	118125	18.80	ug/l	99
41) Methacrylonitrile	4.55	41	25001	18.71	ug/l	98
42) 1,2-Dichloroethane	5.41	62	41763	18.64	ug/l	98
43) Isopropyl Acetate	5.55	43	72279	19.51	ug/l	100
44) Trichloroethene	6.19	130	29969	19.28	ug/l	98
45) 1,2-Dichloropropane	6.44	63	32654	19.12	ug/l	98
46) Dibromomethane	6.56	93	21407	19.42	ug/l	98
47) Bromodichloromethane	6.76	83	40892	18.84	ug/l	100
48) Methyl methacrylate	6.63	41	34548	18.26	ug/l	98
49) 1,4-Dioxane	6.61	88	15328	350.30	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	233110	94.09	ug/l	100
52) Toluene	7.64	92	71649	19.15	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	45224	18.79	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	48254	18.67	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	30660	19.12	ug/l	97
56) Ethyl methacrylate	8.02	69	44829	18.50	ug/l	98
57) 1,3-Dichloropropane	8.24	76	52653	19.27	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	107993	89.89	ug/l	98
59) 2-Hexanone	8.36	43	177859	91.22	ug/l	99
60) Dibromochloromethane	8.48	129	32424	18.67	ug/l	100
61) 1,2-Dibromoethane	8.59	107	32379	18.61	ug/l	98
64) Tetrachloroethene	8.23	164	26073	19.08	ug/l	96
65) Chlorobenzene	9.12	112	80497	18.87	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	29317	18.68	ug/l	99
67) Ethyl Benzene	9.25	91	135042	19.22	ug/l	100
68) m/p-Xylenes	9.38	106	103134	38.59	ug/l	99
69) o-Xylene	9.78	106	49884	18.27	ug/l	98
70) Styrene	9.79	104	81132	18.10	ug/l	99
71) Bromoform	9.96	173	25189	18.45	ug/l #	99
73) Isopropylbenzene	10.17	105	135626	20.37	ug/l	100
74) N-amyl acetate	10.02	43	62581	19.91	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	51521	18.99	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	45853m	20.95	ug/l	
77) Bromobenzene	10.46	156	35686	19.72	ug/l	99
78) n-propylbenzene	10.59	91	157098	20.29	ug/l	100
79) 2-Chlorotoluene	10.66	91	95326	19.86	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	114450	20.45	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	12394m	20.82	ug/l	
82) 4-Chlorotoluene	10.77	91	107503	19.93	ug/l	99
83) tert-Butylbenzene	11.10	119	115023	20.25	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	118809	21.05	ug/l	100
85) sec-Butylbenzene	11.33	105	139614	20.70	ug/l	100
86) p-Isopropyltoluene	11.48	119	120109	19.19	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	64064	18.98	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	64191	18.31	ug/l	97
89) n-Butylbenzene	11.89	91	106262	19.22	ug/l	99
90) Hexachloroethane	12.15	117	21973	18.46	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	64916	19.12	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10981	20.19	ug/l	100

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ClientSampleId :
VU0914MBS01

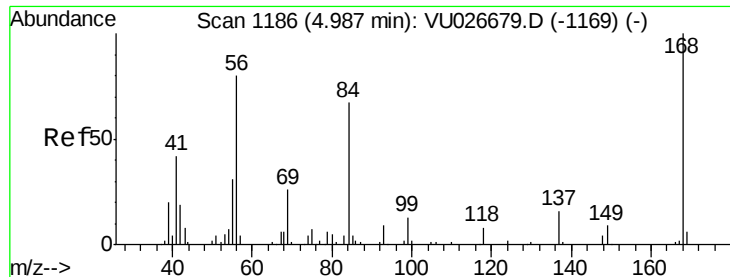
Manual Integrations
APPROVED

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9/17/2018 11:34:57 AM

Quant Time: Sep 14 01:09:41 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 05:32:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	44473	19.72	ug/l	99
94) Hexachlorobutadiene	13.69	225	22670	19.54	ug/l	98
95) Naphthalene	13.75	128	140542	19.17	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	46772	19.86	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

VU0914MBS01

Tot Ion:168 Resp: 118025

Ion Ratio Lower Upper

168 100

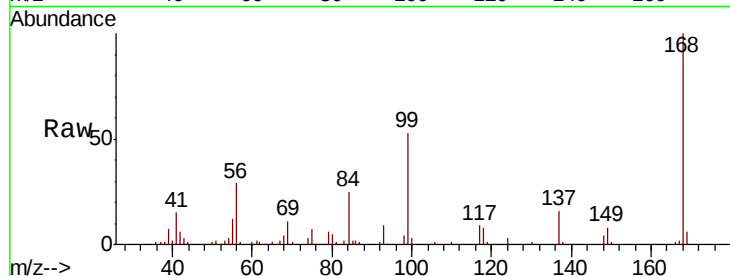
99 53.1 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU026679.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026679.D (-1169) (-)

4.99

60000

50000

40000

30000

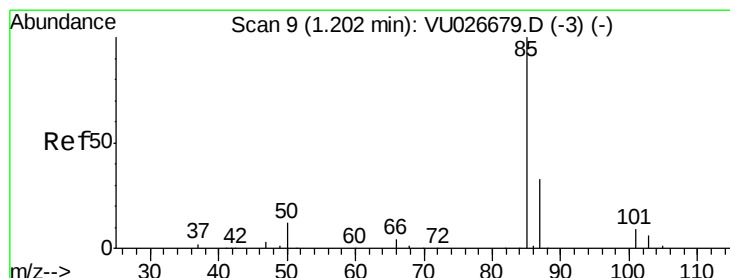
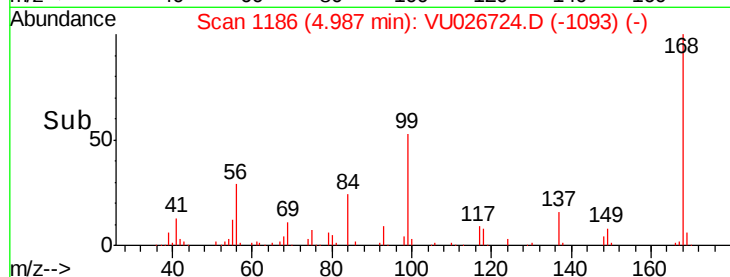
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.12 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026724.D

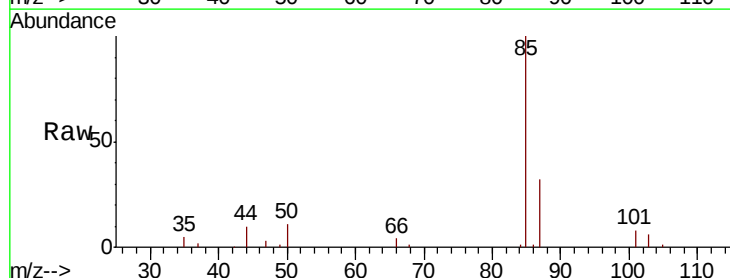
Acq: 13 Sep 2018 10:29

Tgt Ion: 85 Resp: 23105

Ion Ratio Lower Upper

85 100

87 31.5 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VU026679.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU026679.D (-3) (-)

1.21

25000

20000

15000

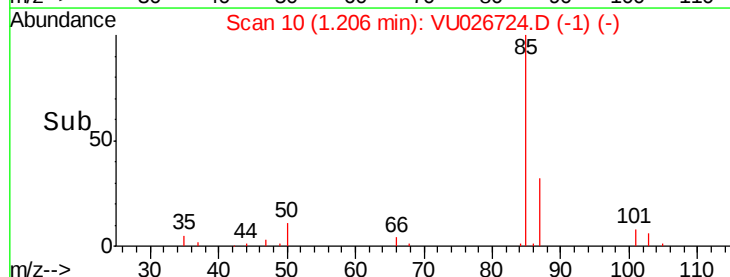
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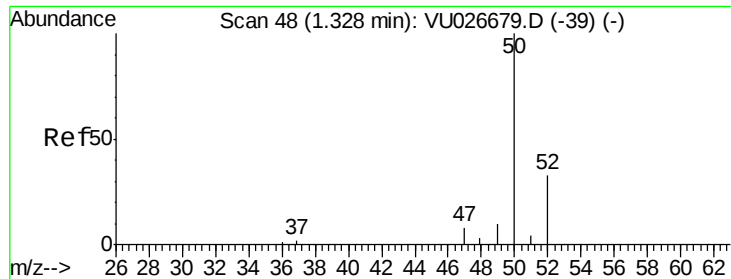
5000

0

1.15 1.20 1.25

Time-->





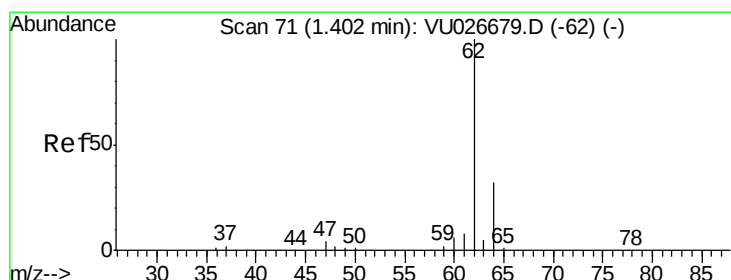
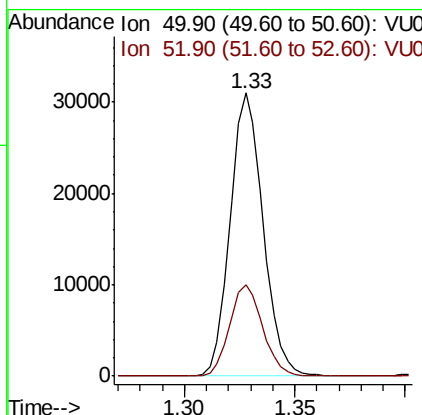
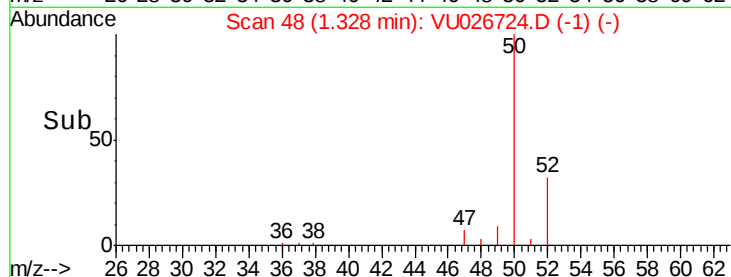
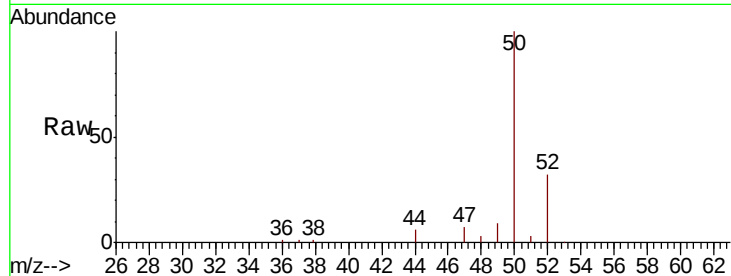
#3
 Chloromethane
 Concen: 18.06 ug/l
 RT: 1.33 min Scan# 48
 Delta R.T. 0.00 min
 Lab File: VU026724.D
 Acq: 13 Sep 2018 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.3	39.5

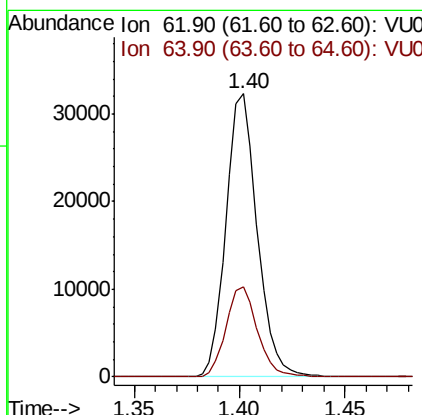
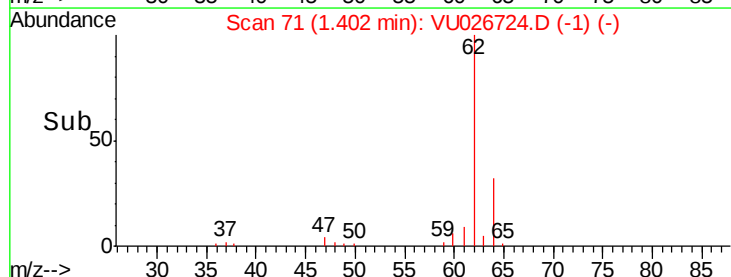
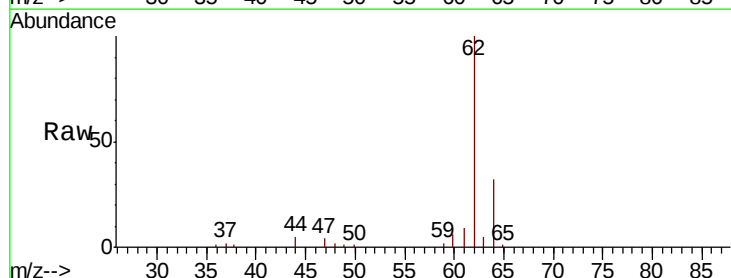
Manual Integrations
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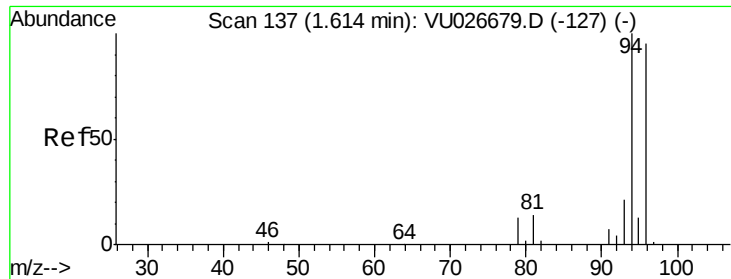
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#4
 Vinyl Chloride
 Concen: 17.95 ug/l
 RT: 1.40 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VU026724.D
 Acq: 13 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.6	38.4





#5

Bromomethane

Concen: 16.16 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

VU0914MBS01

Tot Ion: 94 Resp: 18690

Ion Ratio Lower Upper

94 100

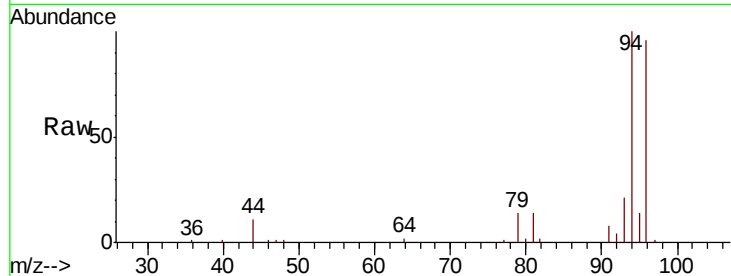
96 96.0 75.8 113.6

Manual Integrations

APPROVED

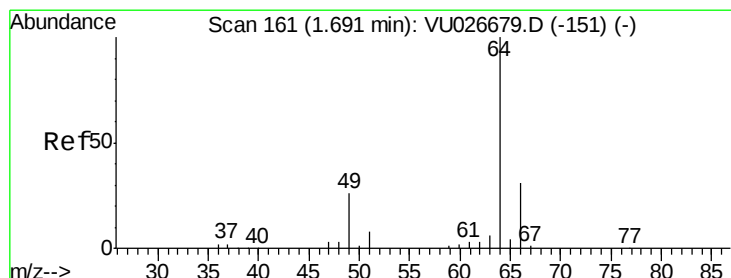
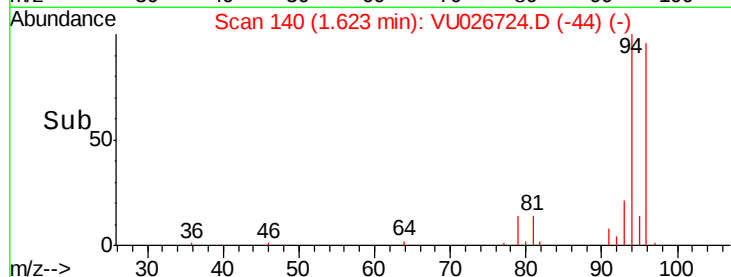
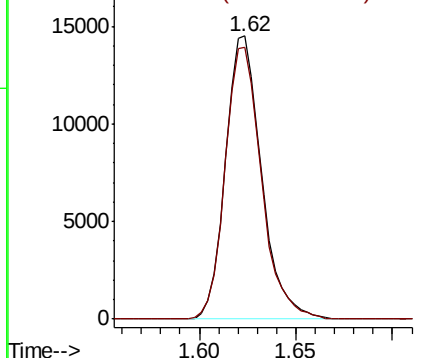
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 17.89 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.01 min

Lab File: VU026724.D

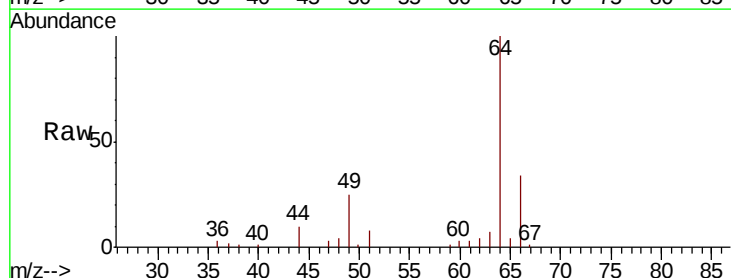
Acq: 13 Sep 2018 10:29

Tgt Ion: 64 Resp: 21021

Ion Ratio Lower Upper

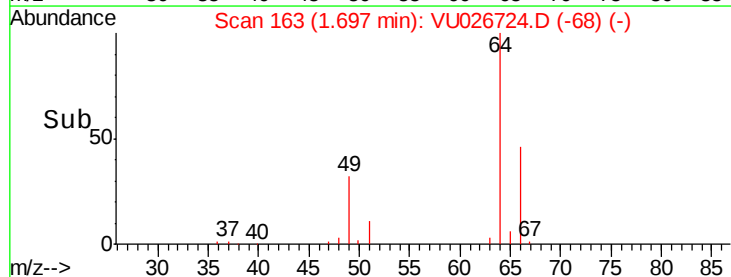
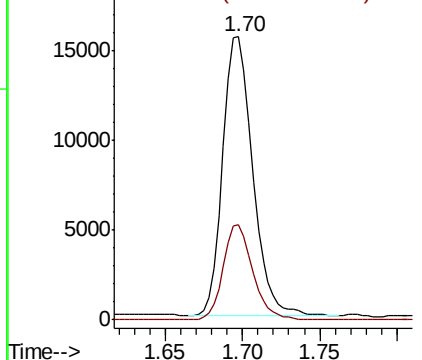
64 100

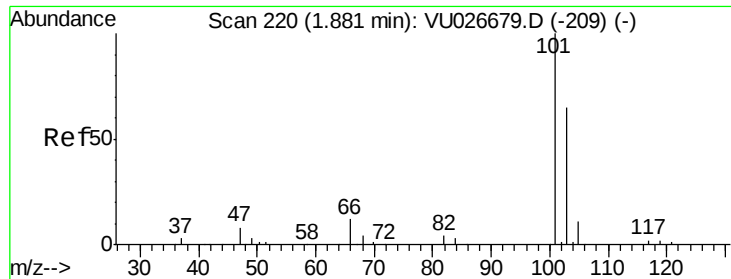
66 34.1 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

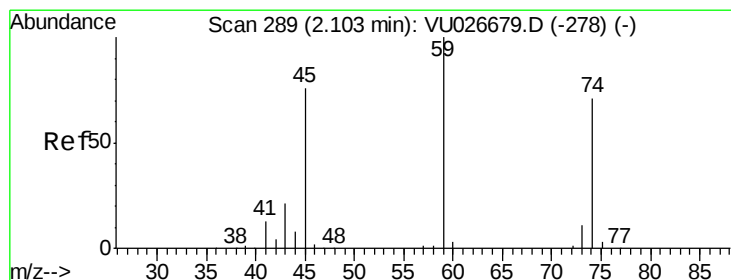
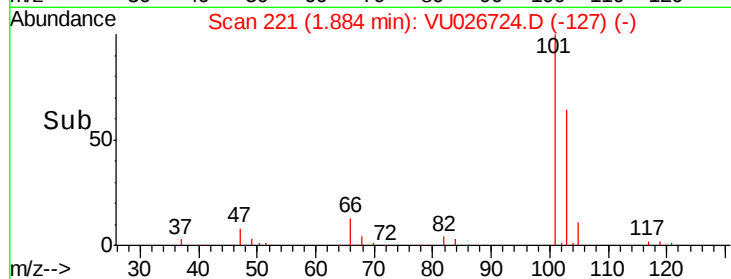
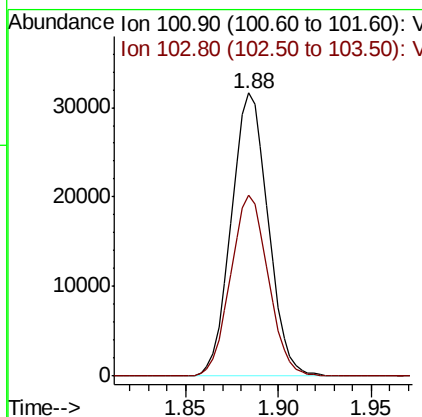
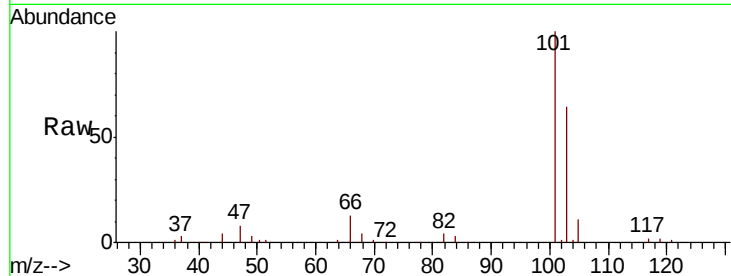
Trichlorofluoromethane
 Concen: 18.07 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU026724.D
 Acq: 13 Sep 2018 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBS01

Tot Ion:101 Resp: 43614
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.7 77.5

Manual Integrations
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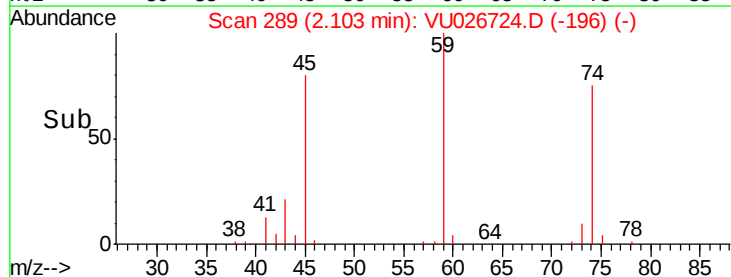
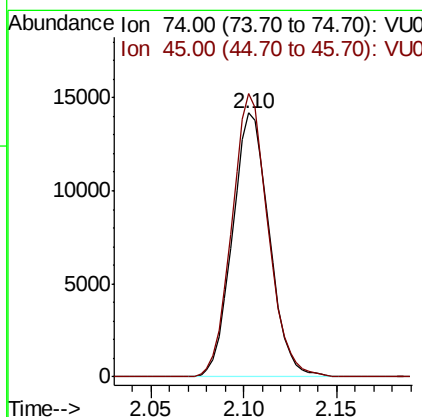
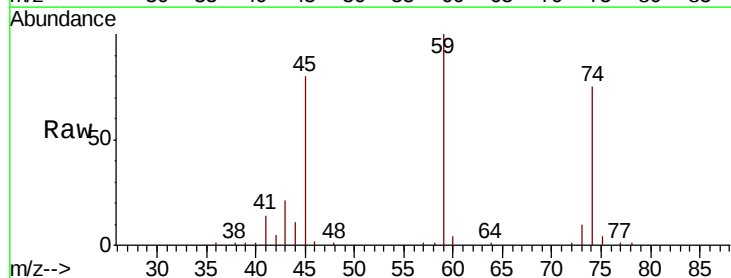
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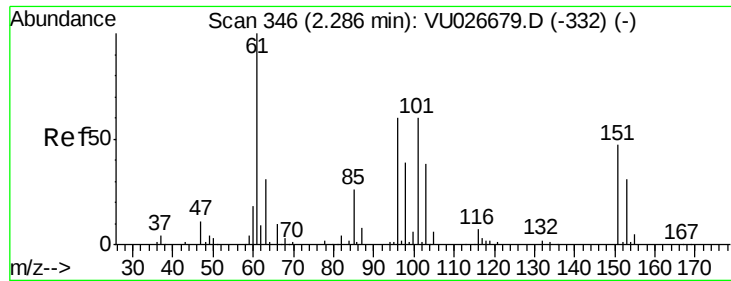


#8

Diethyl Ether
 Concen: 18.46 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU026724.D
 Acq: 13 Sep 2018 10:29

Tgt Ion: 74 Resp: 19525
 Ion Ratio Lower Upper
 74 100
 45 105.7 53.6 160.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.72 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

Instrument :

MSVOA_U

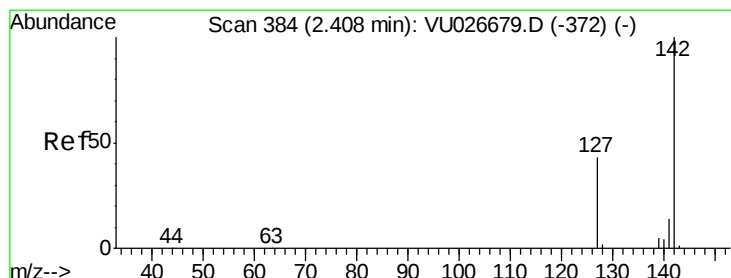
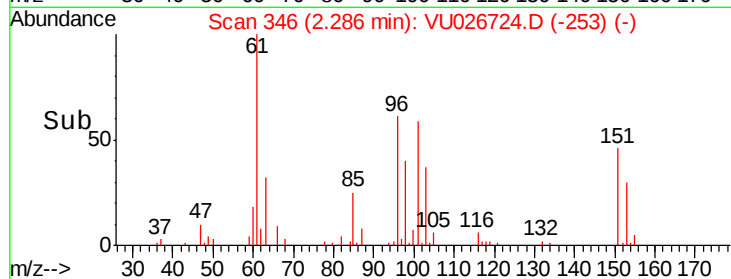
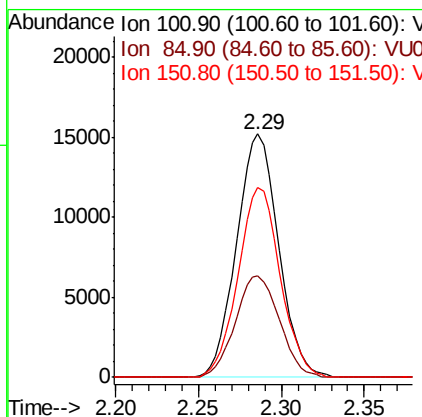
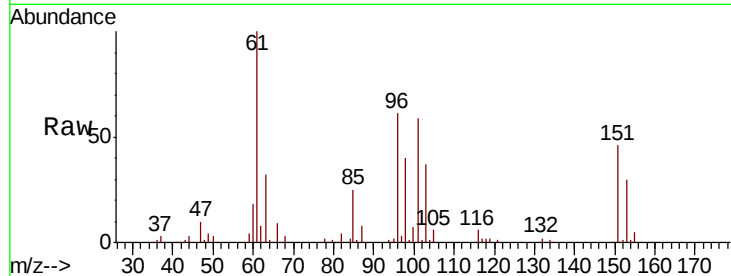
ClientSampleId :

VU0914MBS01

Tot Ion:	101	Resp:	26833
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.6	52.0
151	78.0	62.7	94.1

Manual Integrations
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#10

Methyl Iodide

Concen: 18.68 ug/l

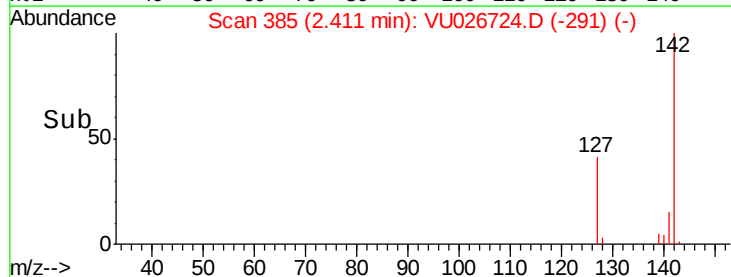
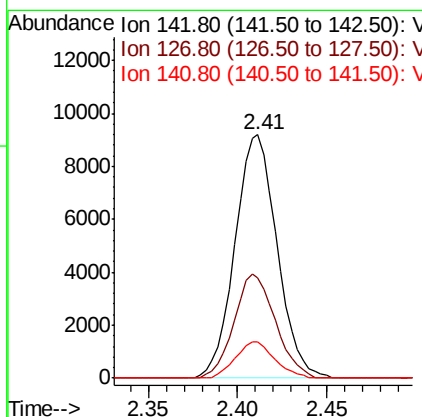
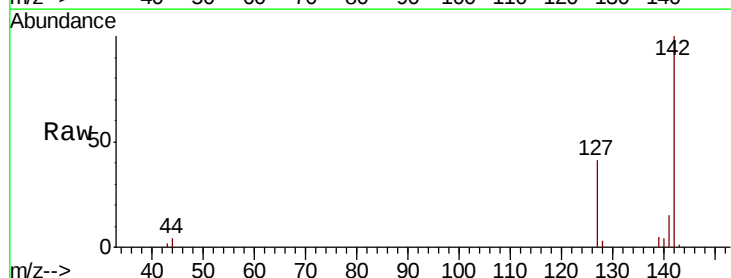
RT: 2.41 min Scan# 385

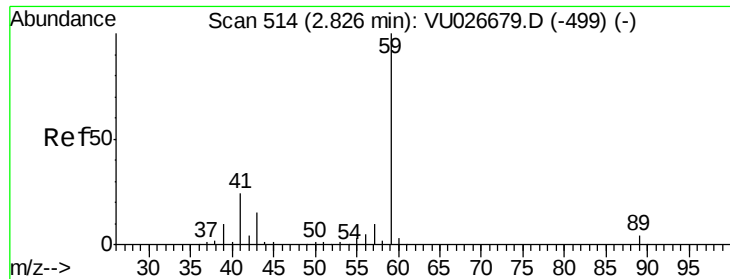
Delta R.T. 0.00 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

Tgt Ion:	142	Resp:	15071
Ion Ratio	Lower	Upper	
142	100		
127	41.9	34.1	51.1
141	13.9	11.2	16.8





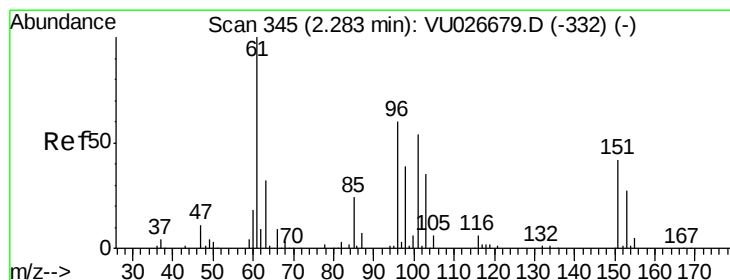
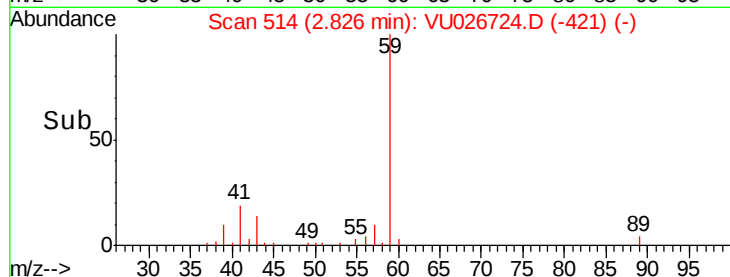
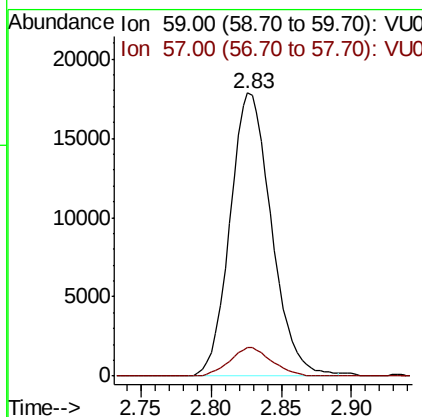
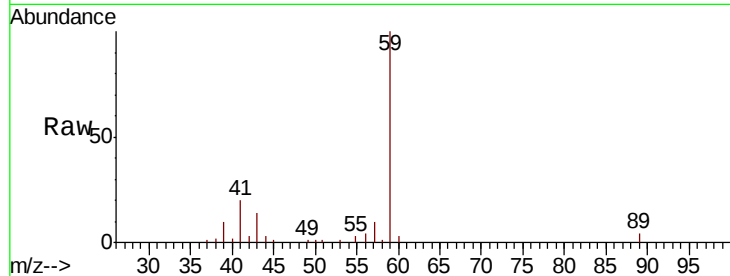
#11
Tert butyl alcohol
Concen: 83.94 ug/l
RT: 2.83 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0

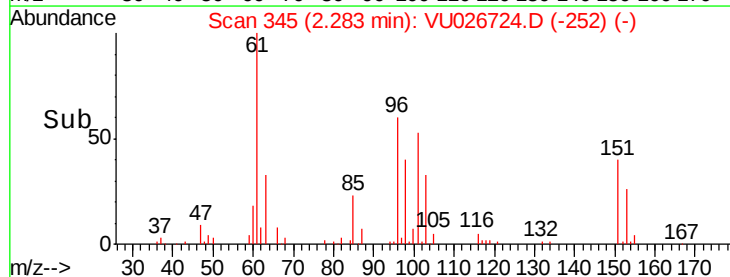
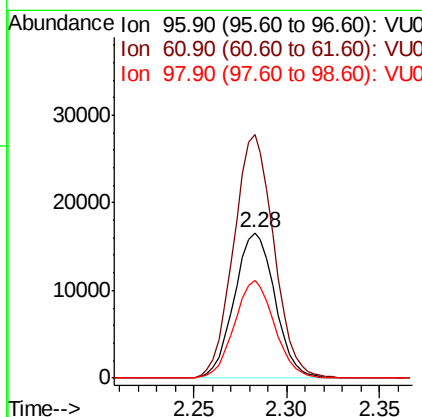
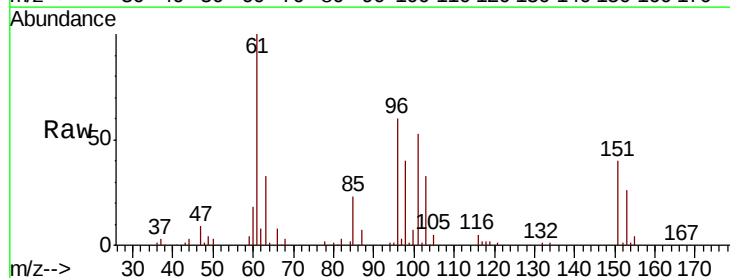
Manual Integrations
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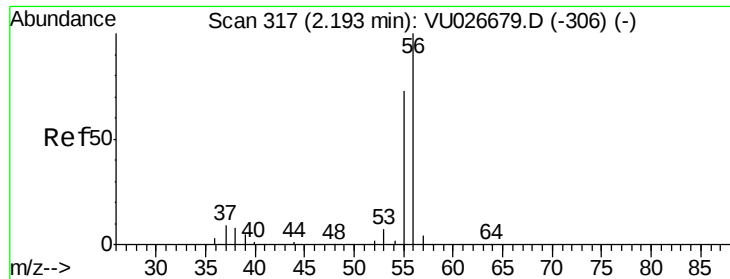
MMDadoda
9/17/2018 11:34:57 AM



#12
1,1-Dichloroethene
Concen: 18.63 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.9	133.0	199.6
98	66.9	51.3	76.9





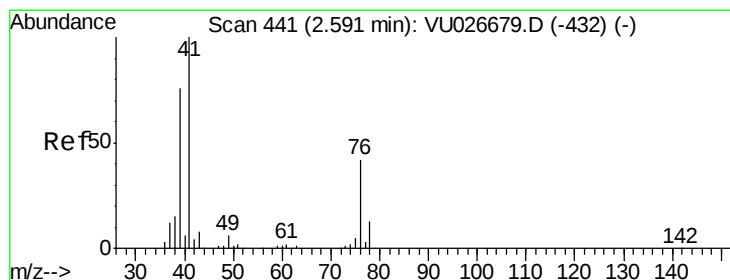
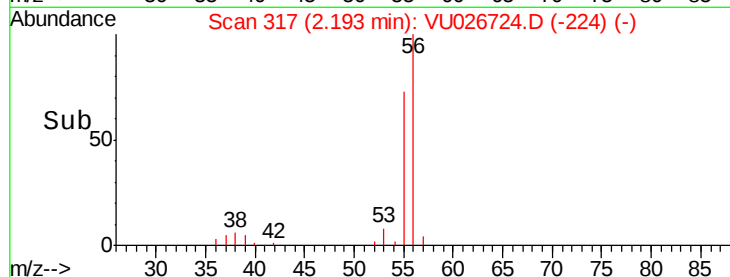
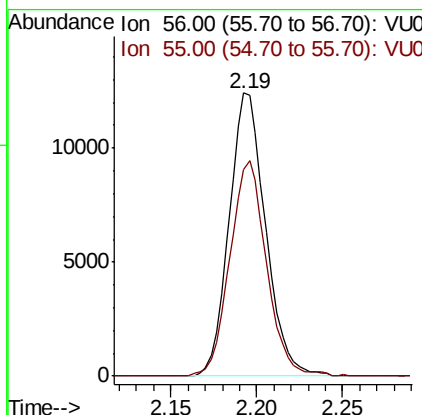
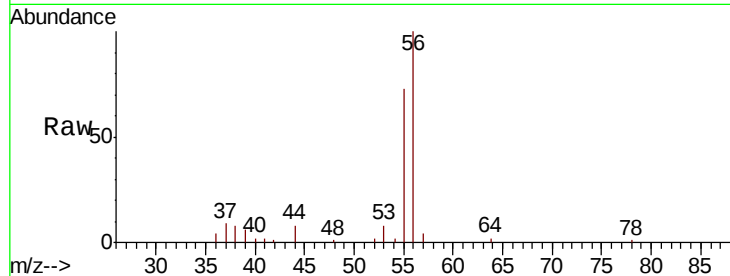
#13
Acrolein
Concen: 62.05 ug/l
RT: 2.19 min Scan# 317
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBS01

Tot Ion	56	55	Ratio	100	Resp	18249	Lower	Upper
56	100							
55	76.6						57.4	86.2

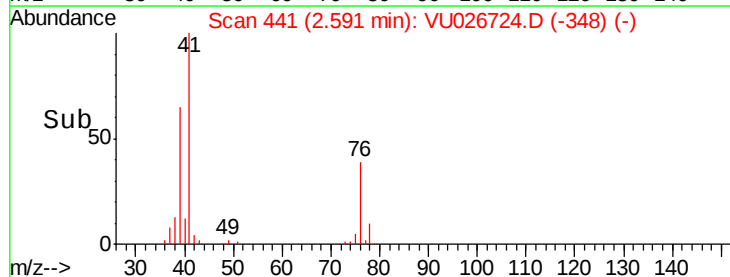
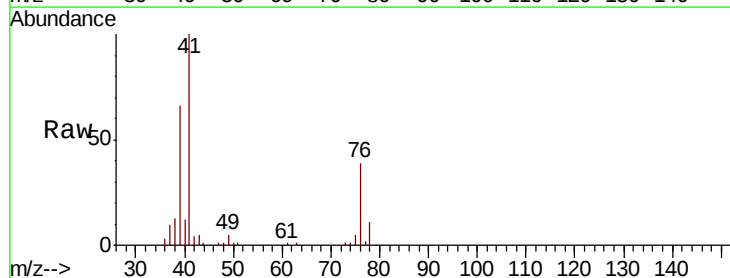
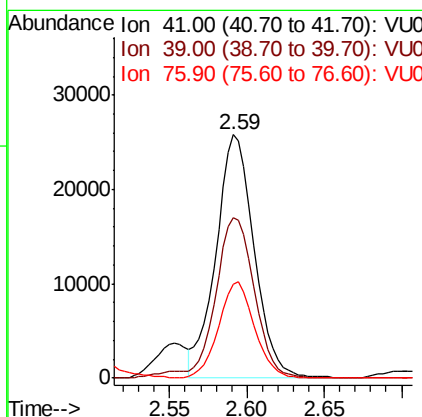
Manual Integrations
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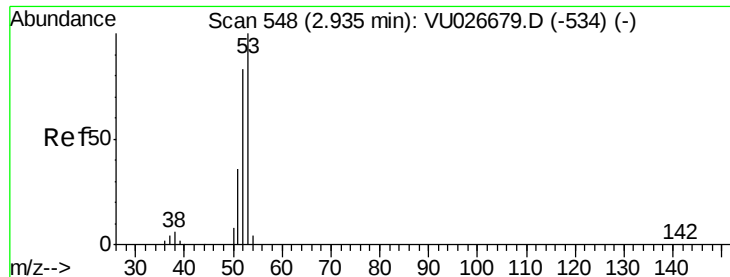
MMDadoda
9/17/2018 11:34:57 AM



#14
Allyl chloride
Concen: 18.18 ug/l
RT: 2.59 min Scan# 441
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Tgt Ion	41	39	76	Ratio	100	Resp	44365	Lower	Upper
41	100								
39	65.5							56.9	85.3
76	37.0							29.7	44.5





#15

Acrylonitrile

Concen: 96.52 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

Instrument :

MSVOA_U

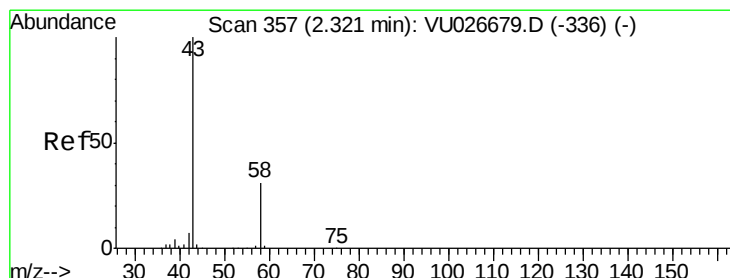
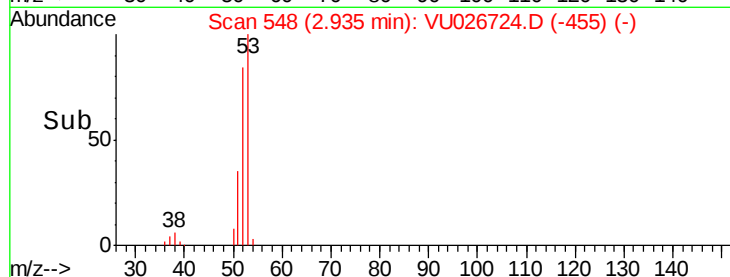
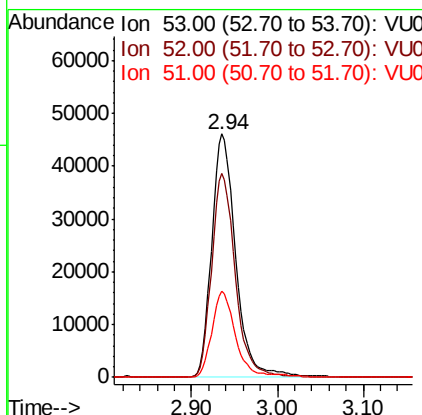
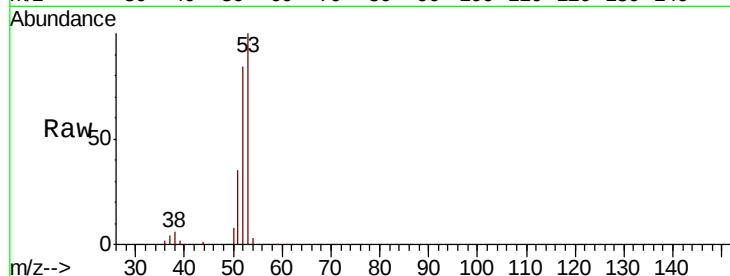
ClientSampleId :

VU0914MBS01

Tot Ion:	53	Resp:	90333
Ion Ratio	Lower	Upper	
53	100		
52	82.4	65.8	98.8
51	34.4	27.7	41.5

Manual Integrations
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#16

Acetone

Concen: 82.29 ug/l

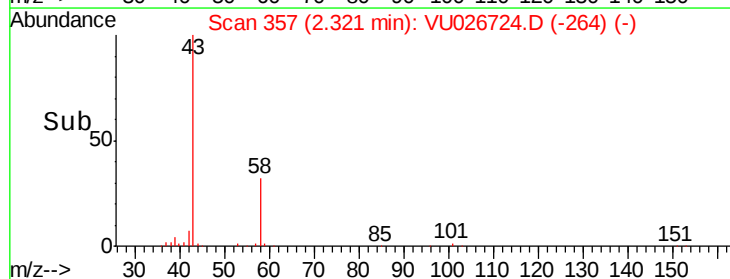
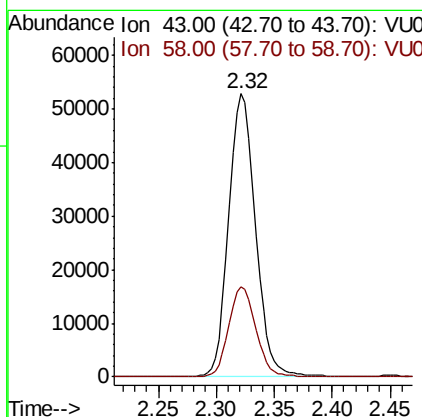
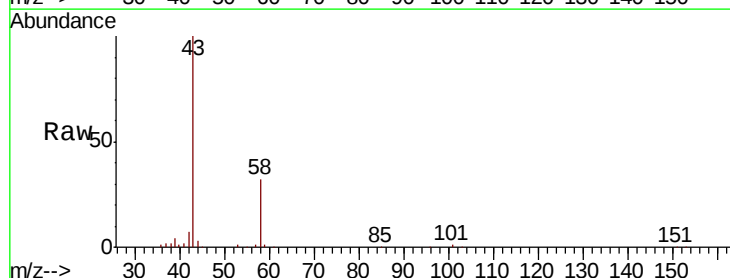
RT: 2.32 min Scan# 357

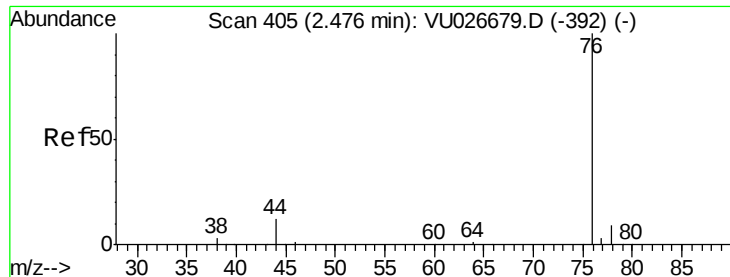
Delta R.T. 0.00 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

Tgt Ion:	43	Resp:	83417
Ion Ratio	Lower	Upper	
43	100		
58	32.1	25.1	37.7





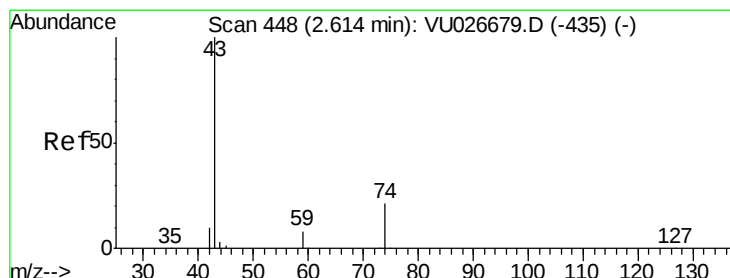
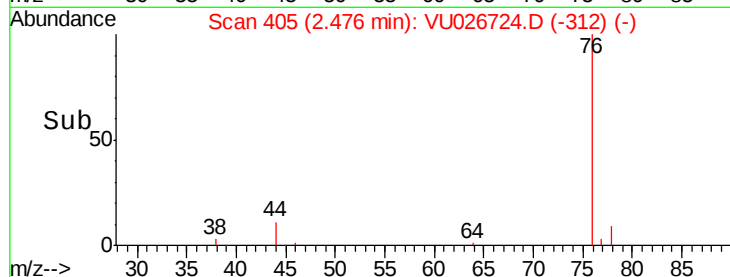
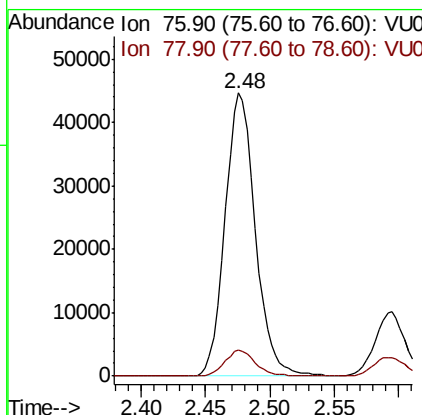
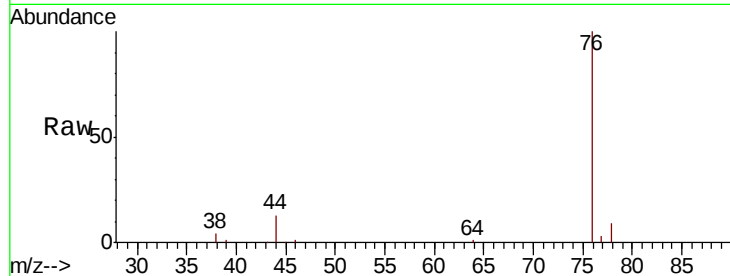
#17
Carbon Disulfide
Concen: 16.89 ug/l
RT: 2.48 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

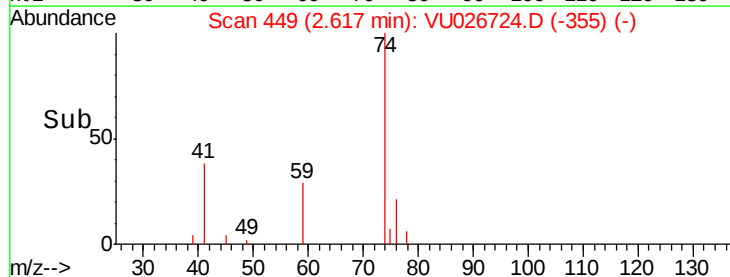
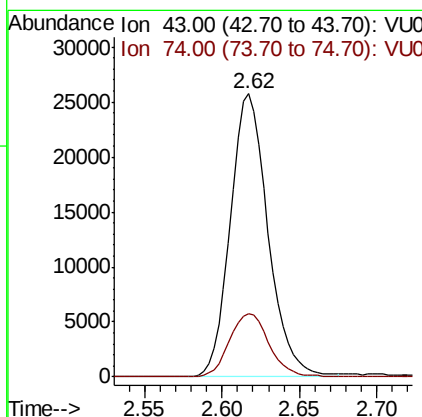
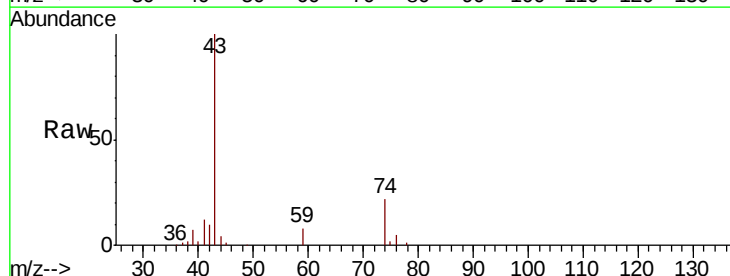
Manual Integrations
APPROVED

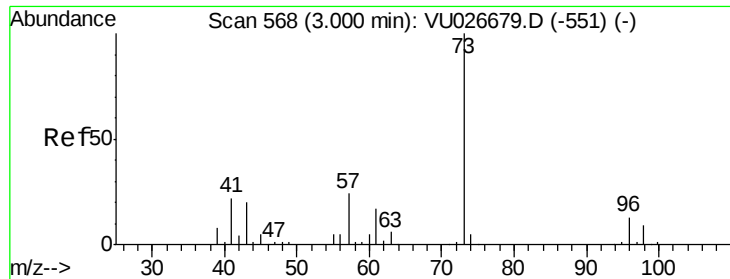
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#18
Methyl Acetate
Concen: 19.90 ug/l
RT: 2.62 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	17.7	26.5





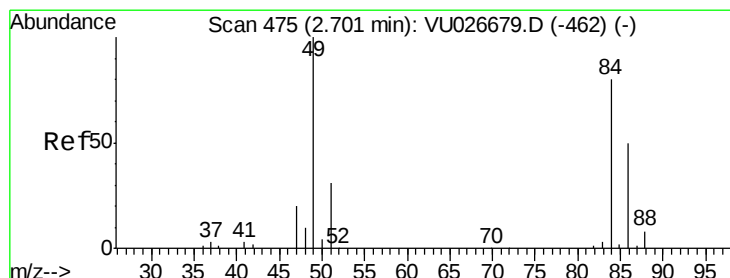
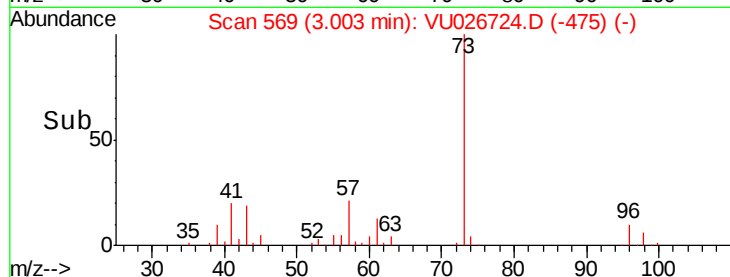
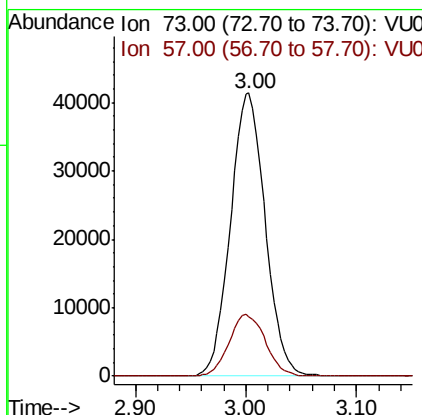
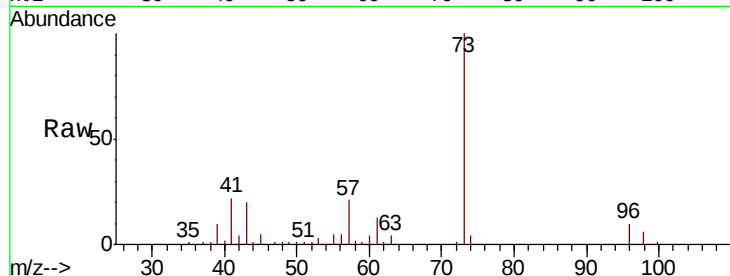
#19
Methyl tert-butyl Ether
Concen: 19.35 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	18.9	28.3

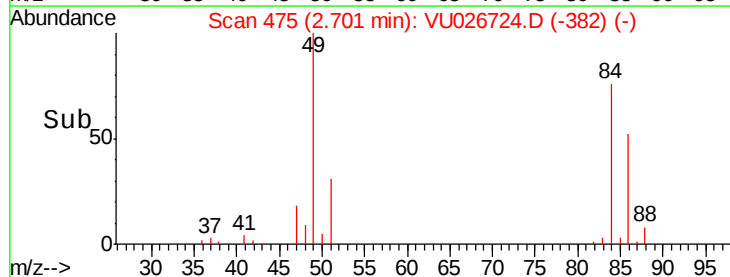
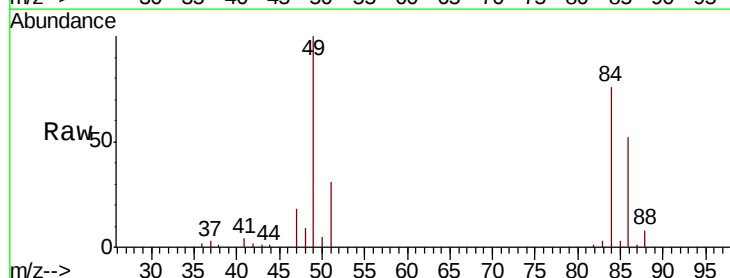
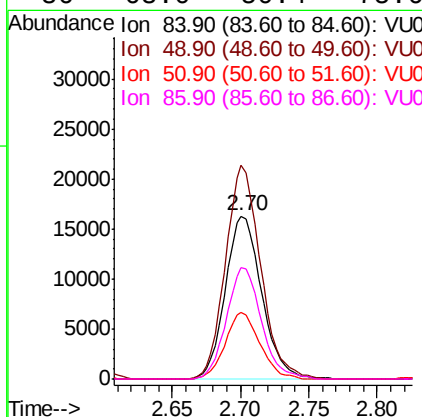
Manual Integrations
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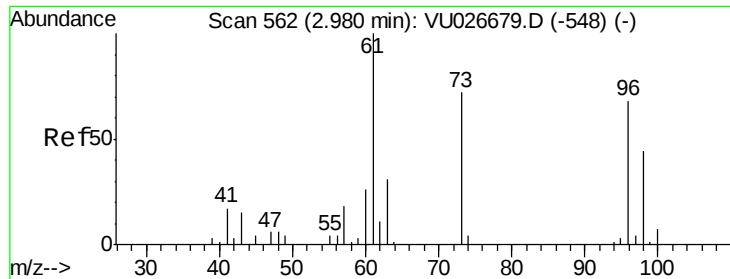
MMDadoda
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#20
Methylene Chloride
Concen: 18.33 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.9	100.6	151.0
51	41.0	30.9	46.3
86	68.0	50.4	75.6





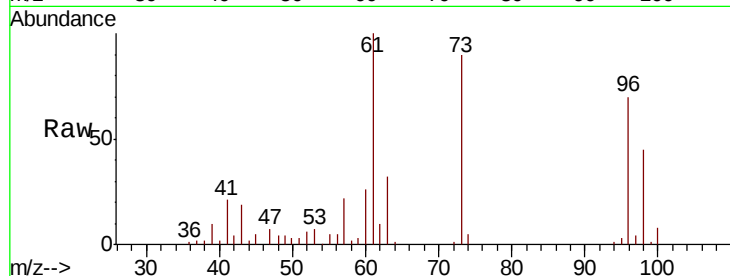
#21
trans-1,2-Dichloroethene
Concen: 18.61 ug/l
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.0	117.7	176.5
98	64.4	52.0	78.0

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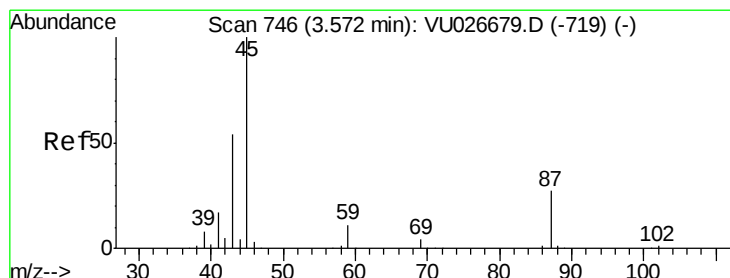
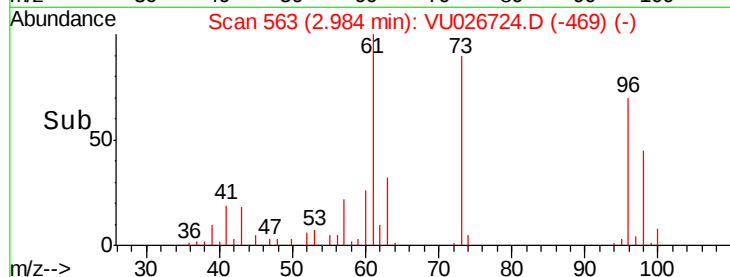
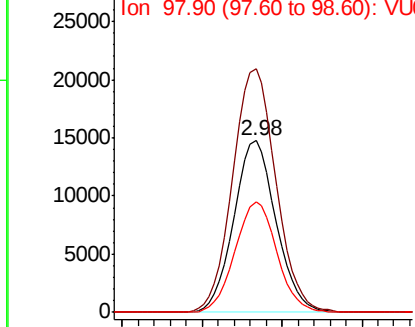


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22
Diisopropyl ether
Concen: 19.65 ug/l
RT: 3.58 min Scan# 747
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.3	44.6	67.0
87	26.7	21.4	32.0
59	11.3	9.0	13.4

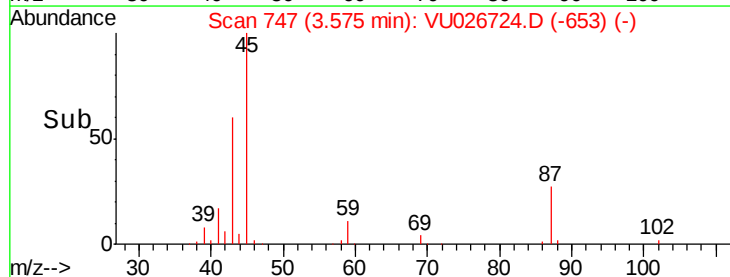
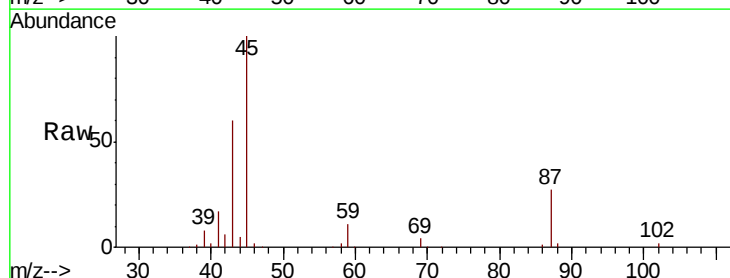
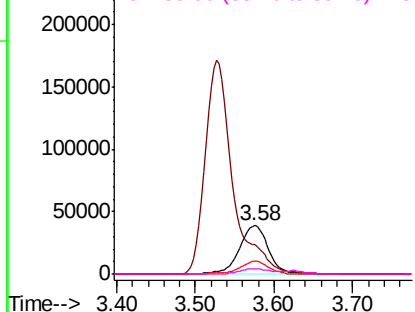
Abundance

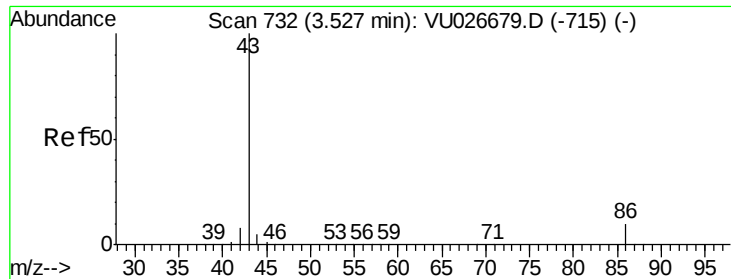
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 95.84 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

VU0914MBS01

Tot Ion: 43 Resp: 414660

Ion Ratio Lower Upper

43 100

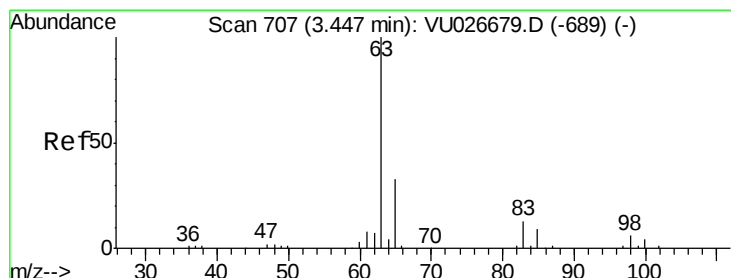
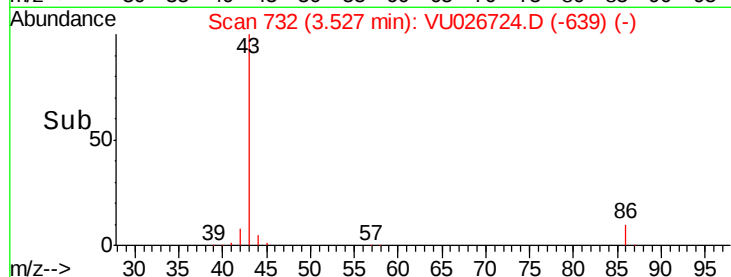
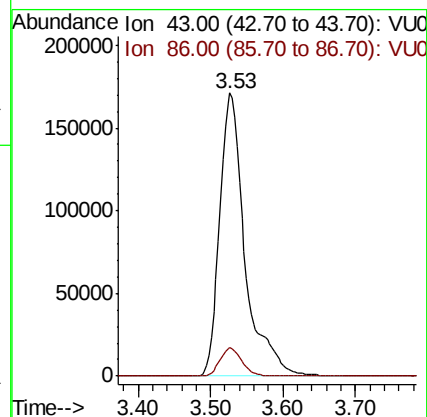
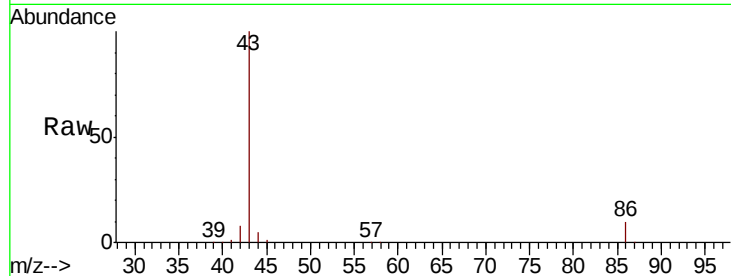
86 10.1 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.10 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

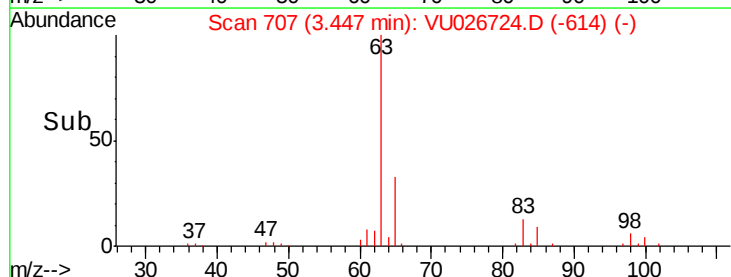
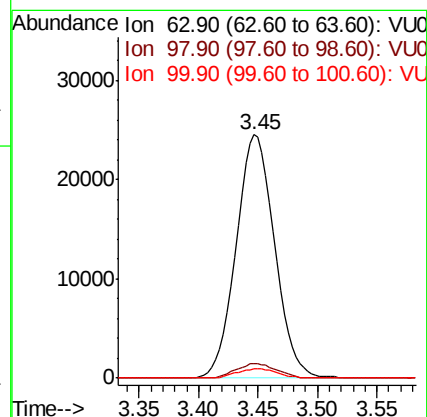
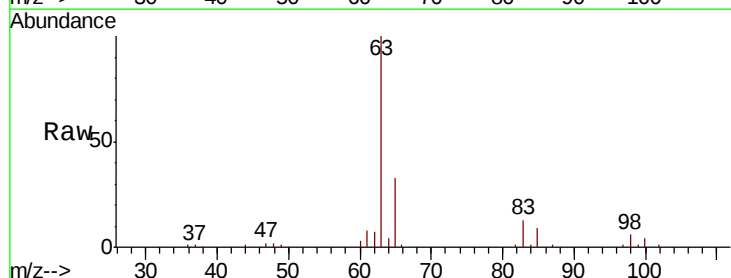
Tgt Ion: 63 Resp: 54869

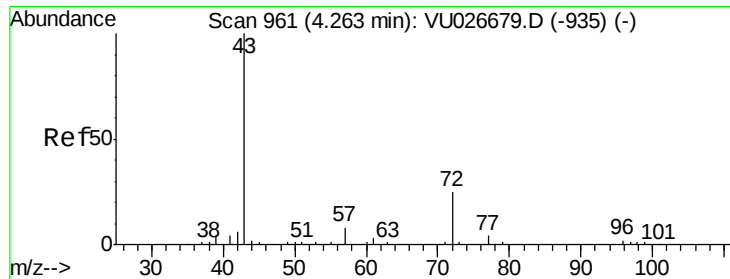
Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.4

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 90.99 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

VU0914MBS01

Tot Ion: 43 Resp: 124246

Ion Ratio Lower Upper

43 100

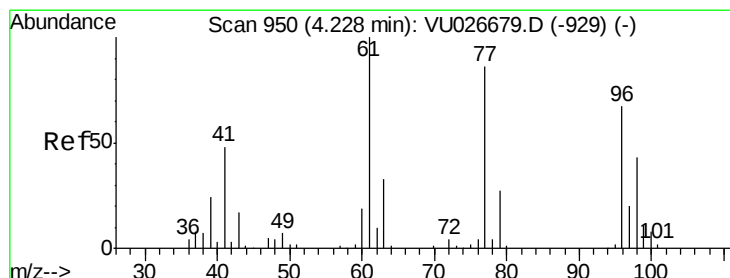
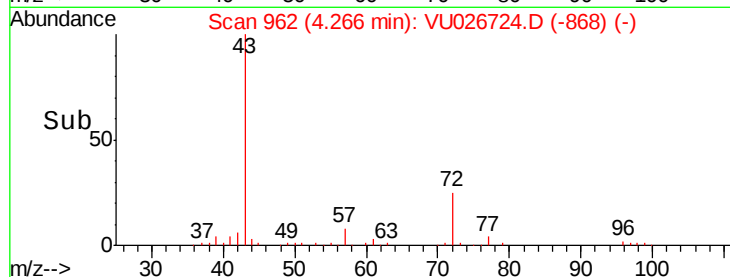
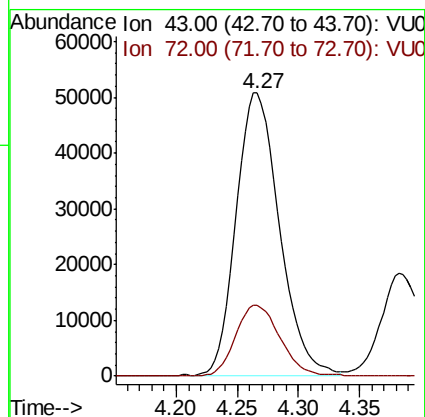
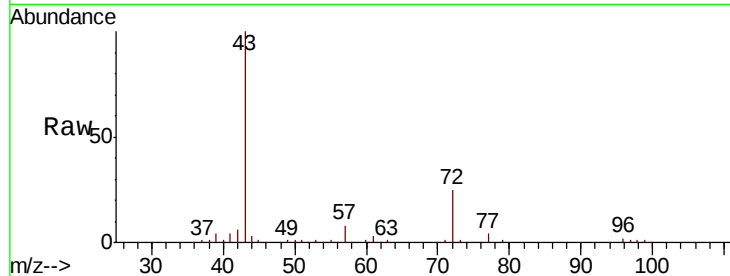
72 25.1 20.3 30.5

Manual Integrations

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9/17/2018 11:34:57 AM



#26

2,2-Dichloropropane

Concen: 18.51 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU026724.D

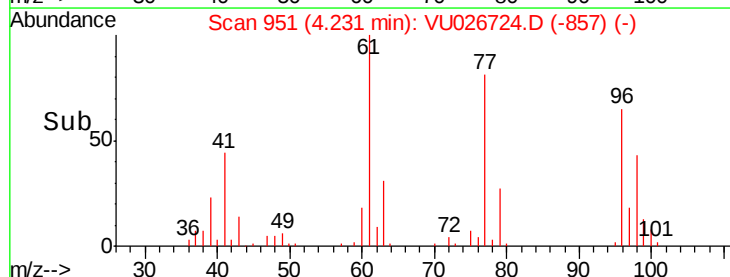
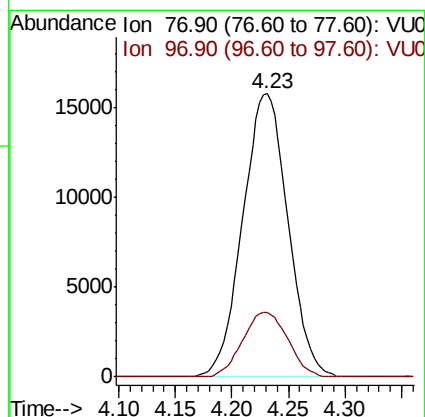
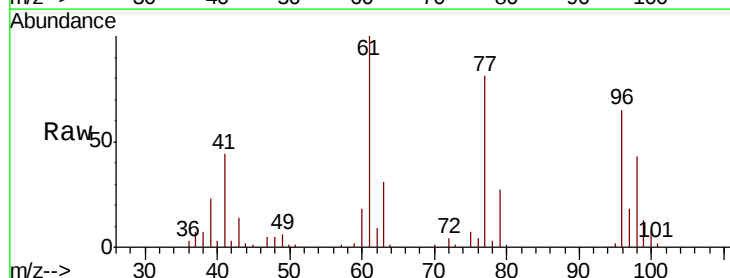
Acq: 13 Sep 2018 10:29

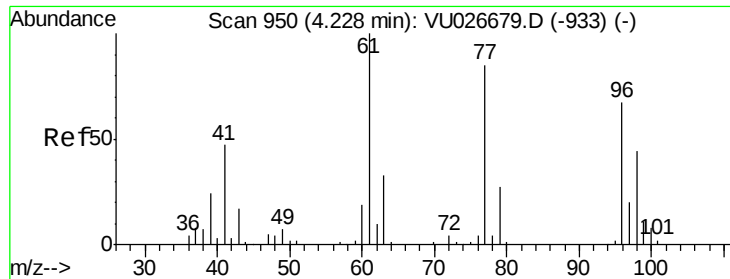
Tgt Ion: 77 Resp: 43725

Ion Ratio Lower Upper

77 100

97 22.7 11.6 34.8





#27

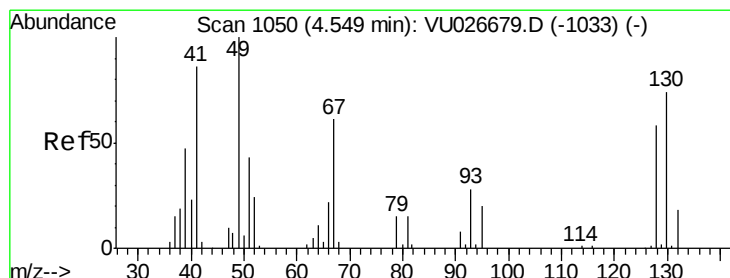
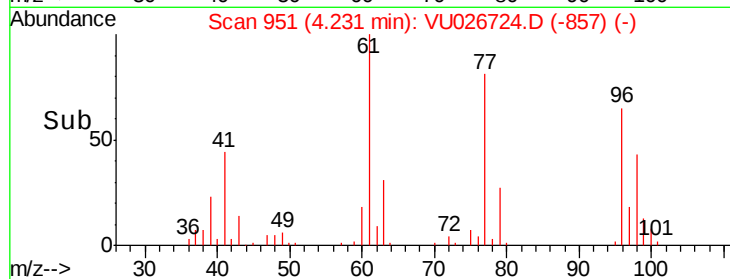
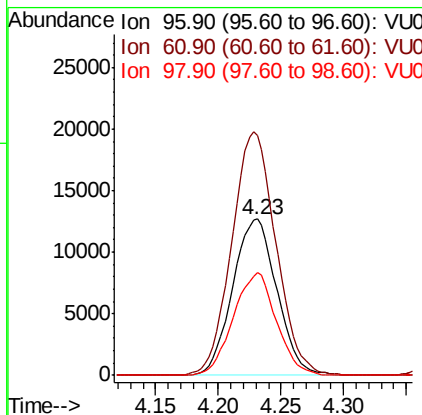
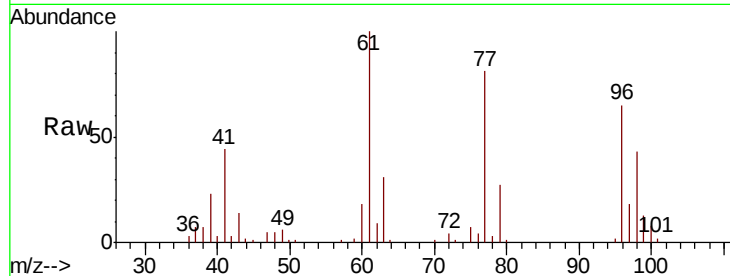
cis-1,2-Dichloroethene
Concen: 18.89 ug/l
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Instrument :
MSVOA_U
ClientSampled :
VU0914MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.7	0.0	301.8
98	63.9	0.0	127.2

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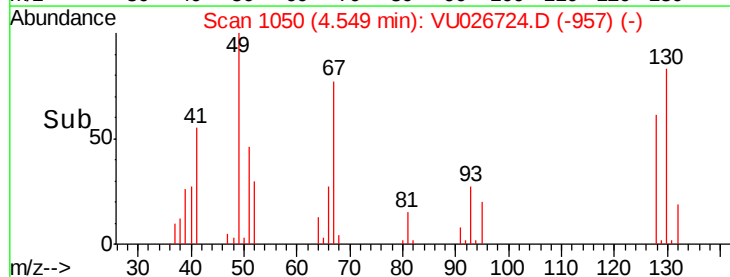
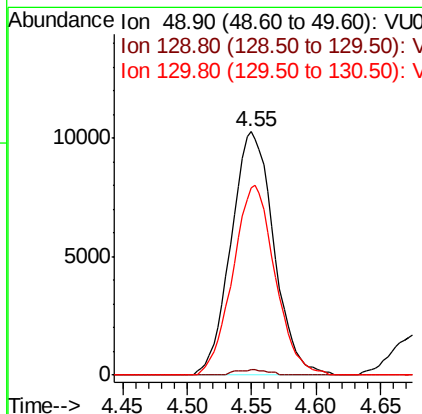
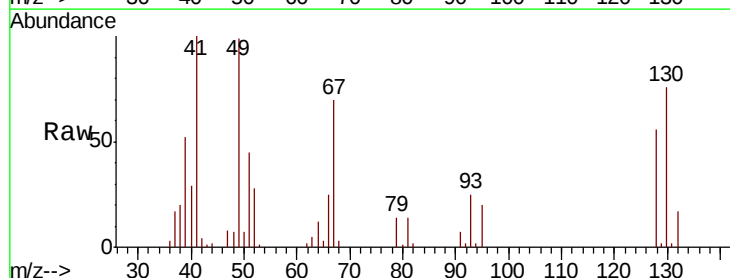
MMDadoda
9/17/2018 11:34:57 AM

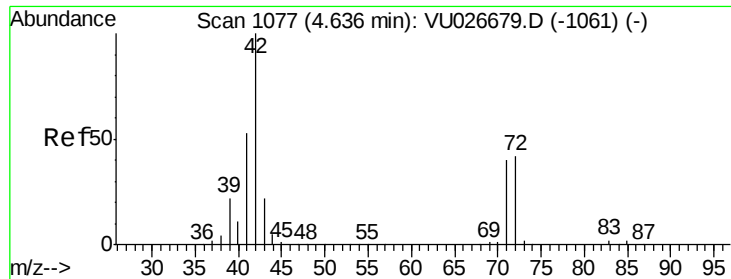


#28

Bromochloromethane
Concen: 17.24 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	77.0	59.8	89.6





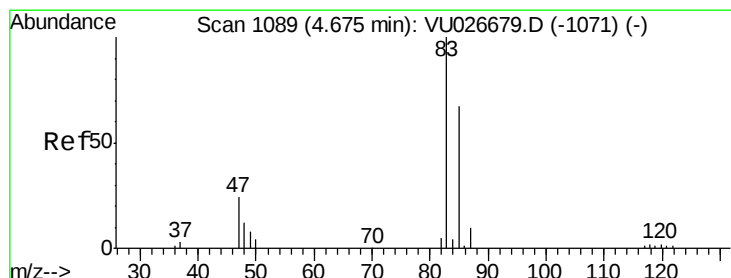
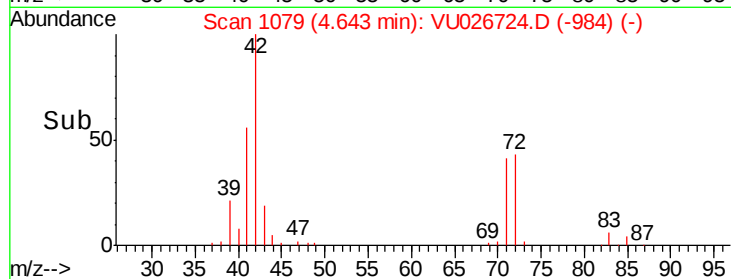
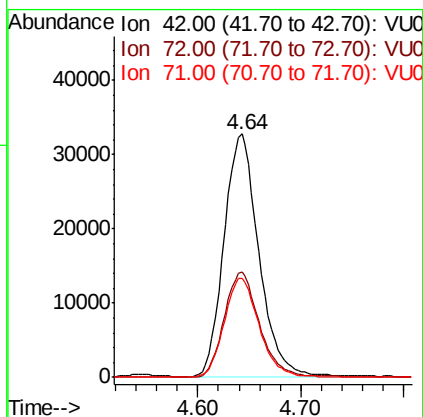
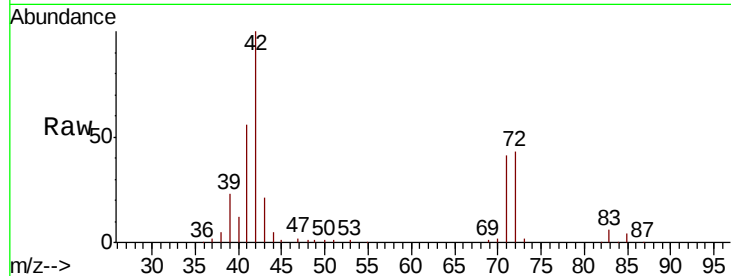
#29
Tetrahydrofuran
Concen: 94.27 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	34.4	51.6
71	40.5	32.4	48.6

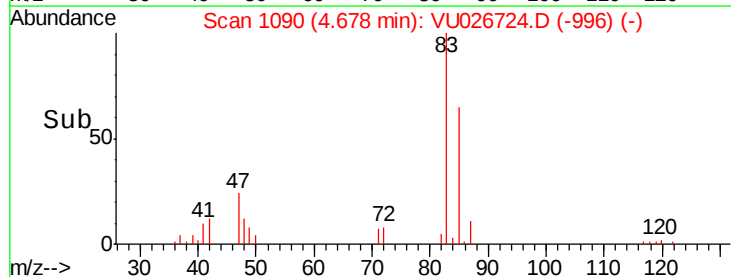
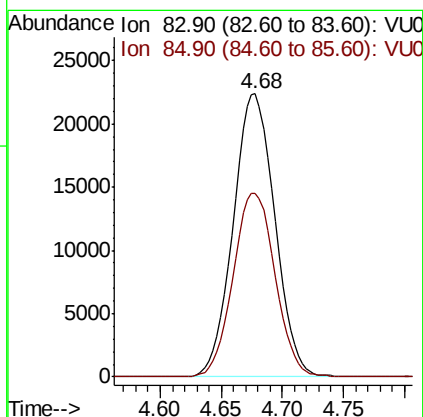
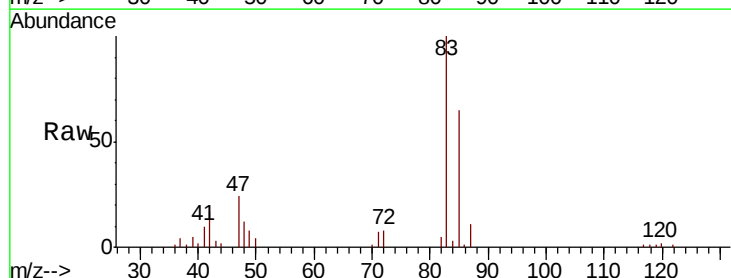
Manual Integrations
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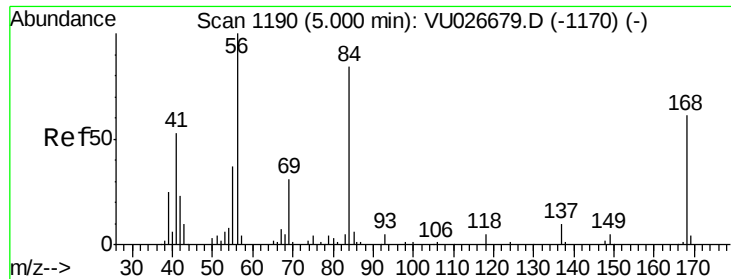
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#30
Chloroform
Concen: 18.71 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	53.3	79.9





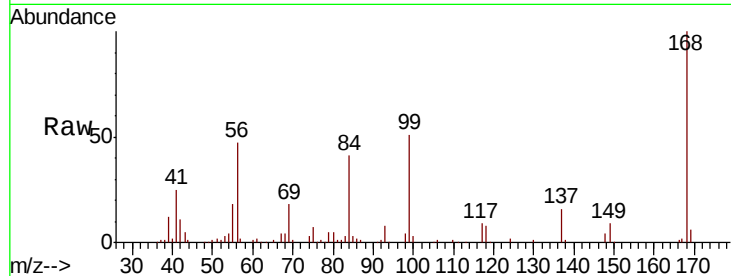
#31
Cyclohexane
Concen: 18.12 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBS01

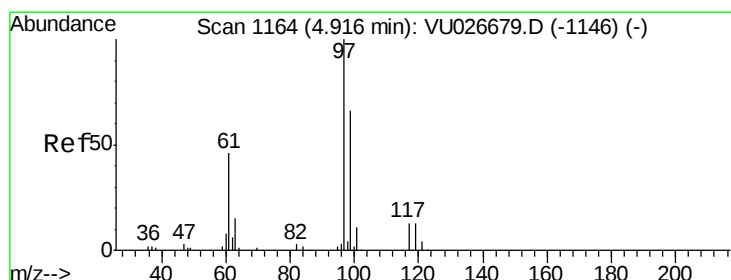
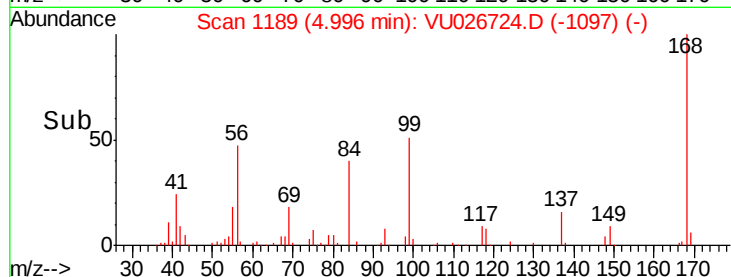
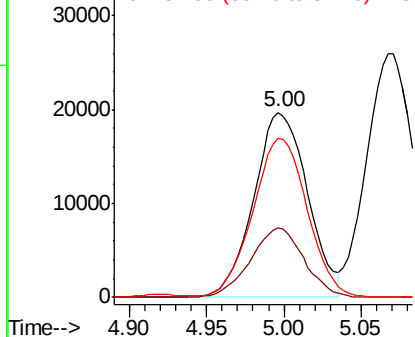
Tot Ion	Ratio	Lower	Upper
56	100		
69	37.6	24.9	37.3#
84	85.0	66.6	100.0

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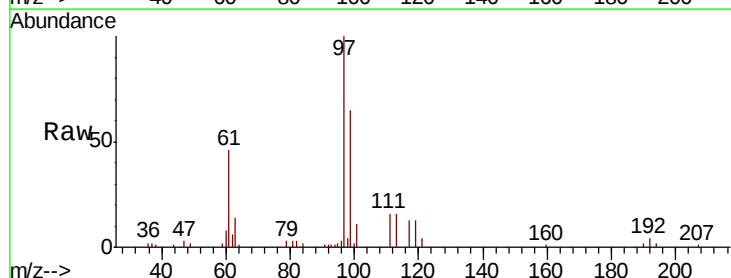


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

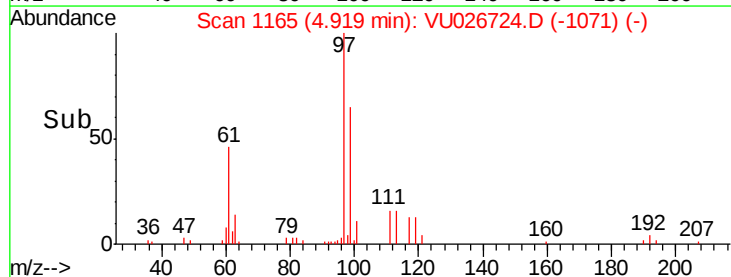
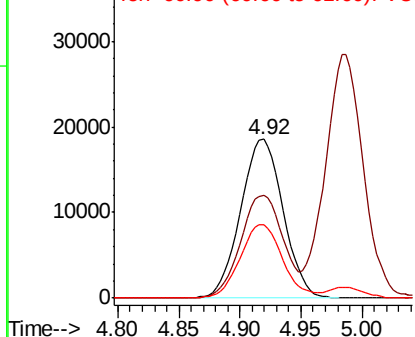


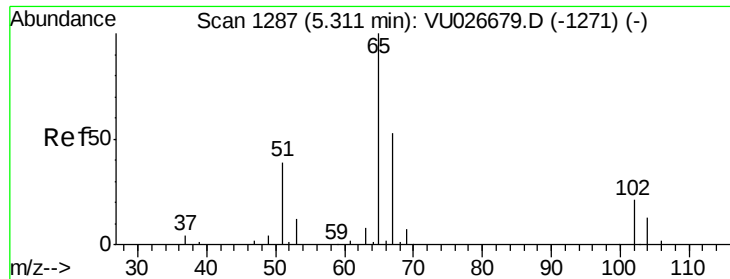
#32
1,1,1-Trichloroethane
Concen: 19.14 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.2	78.2
61	46.2	36.8	55.2



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





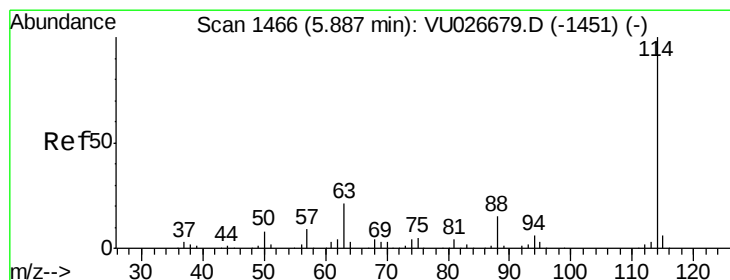
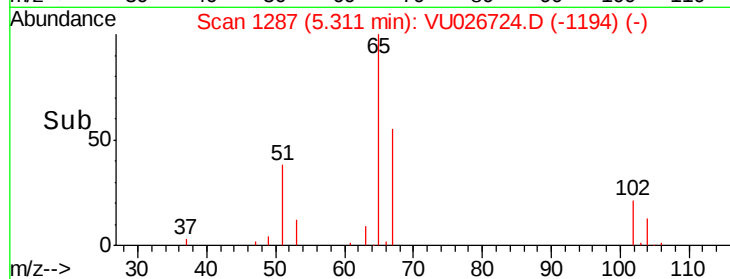
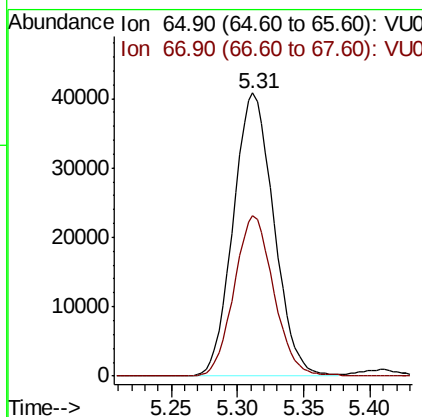
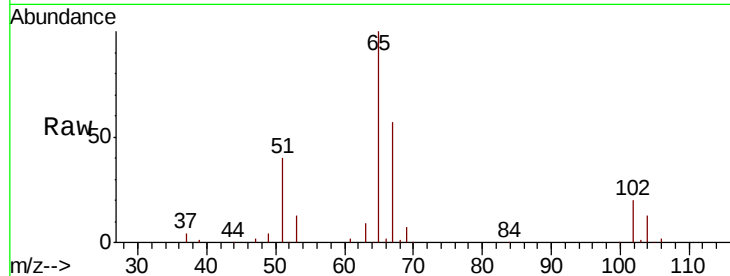
#33
 1,2-Dichloroethane-d4
 Concen: 48.54 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU026724.D
 Acq: 13 Sep 2018 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	86901		
67	55.0	0.0	106.4	

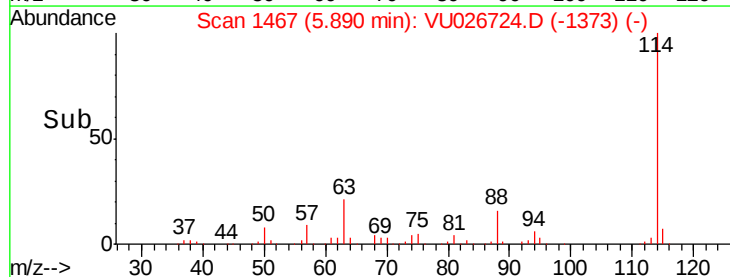
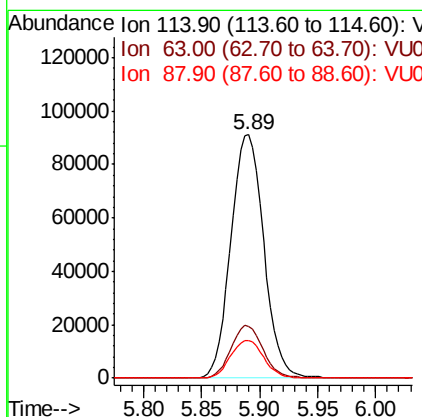
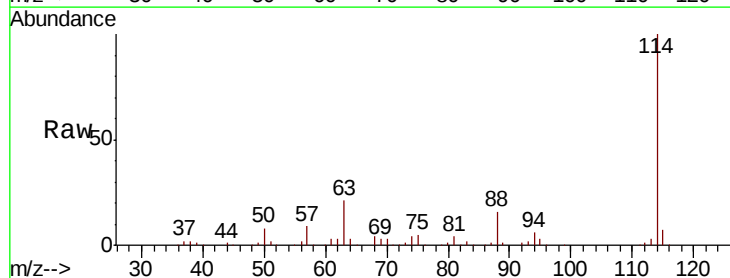
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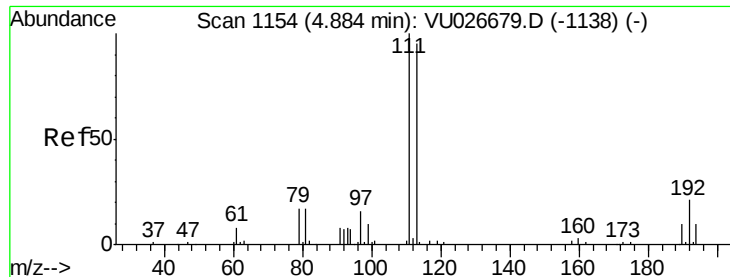
MMDadoda
 9/17/2018 11:34:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU026724.D
 Acq: 13 Sep 2018 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	180171		
63	21.4	0.0	41.4	
88	15.7	0.0	30.8	





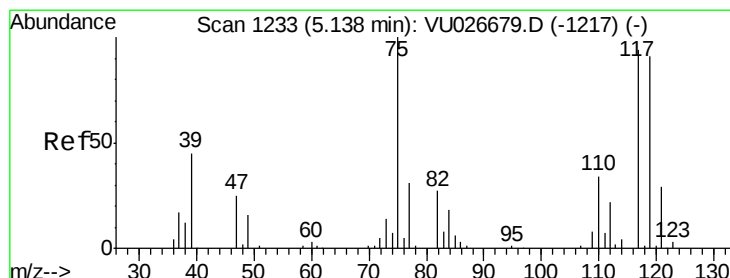
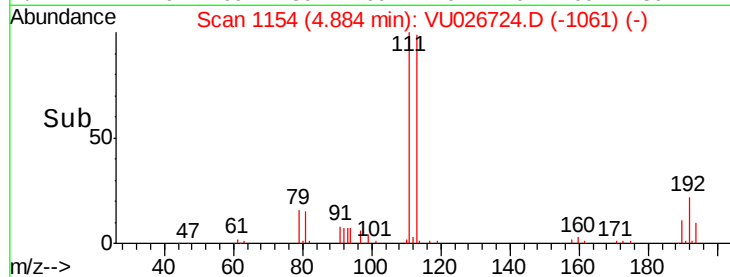
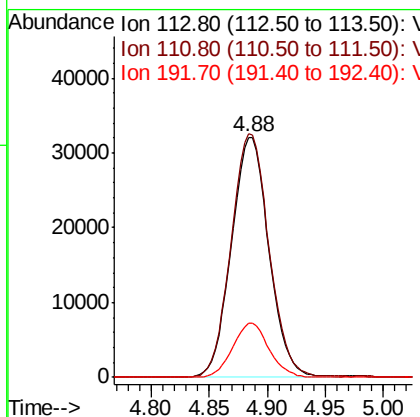
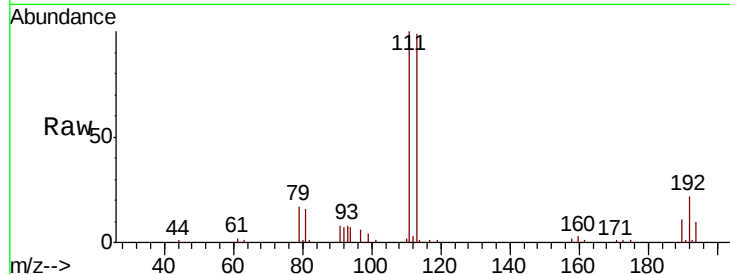
#35
 Dibromofluoromethane
 Concen: 48.87 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026724.D
 Acq: 13 Sep 2018 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.1	124.7
192	21.8	17.4	26.2

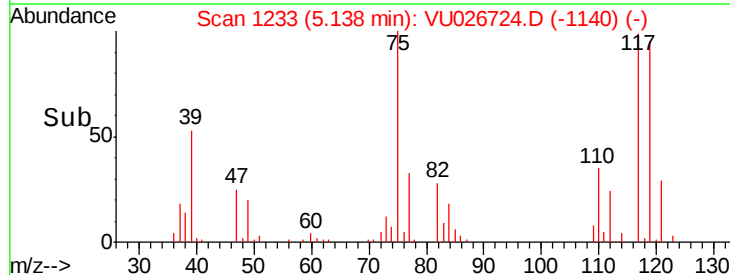
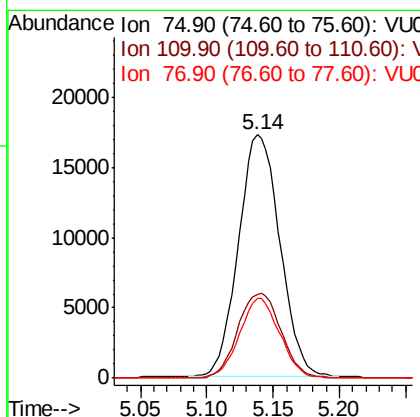
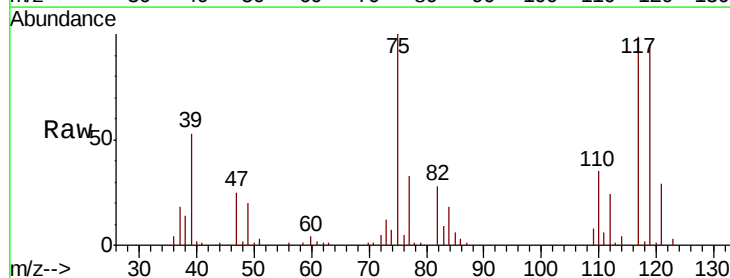
Manual Integrations
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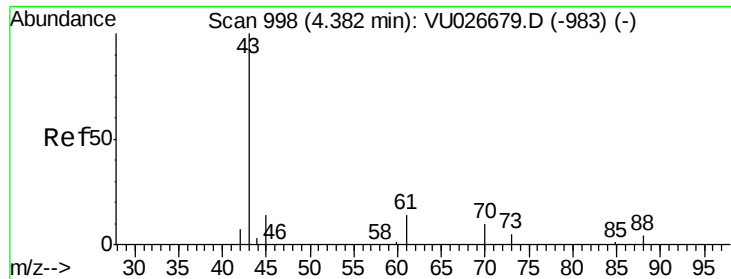
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 9/17/2018 11:34:57 AM



#36
 1,1-Dichloropropene
 Concen: 18.50 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU026724.D
 Acq: 13 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.3	51.9
77	32.0	24.9	37.3





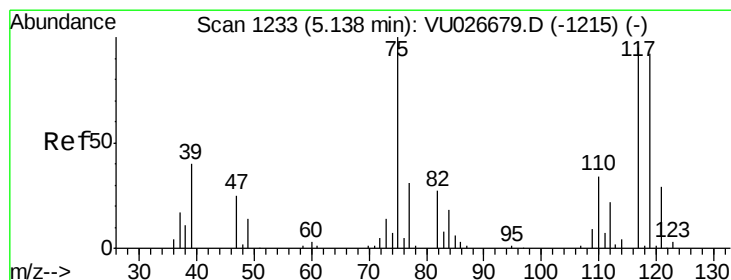
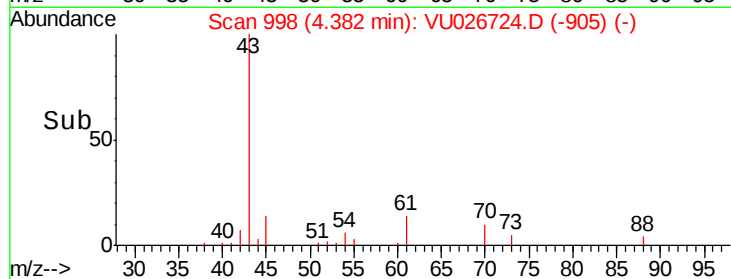
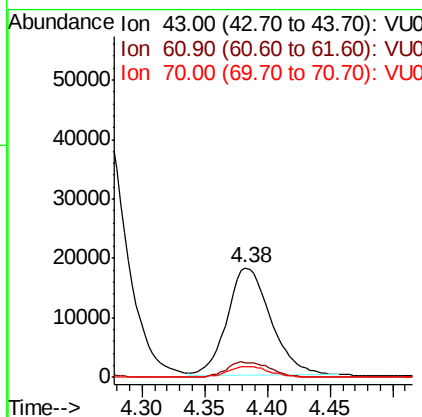
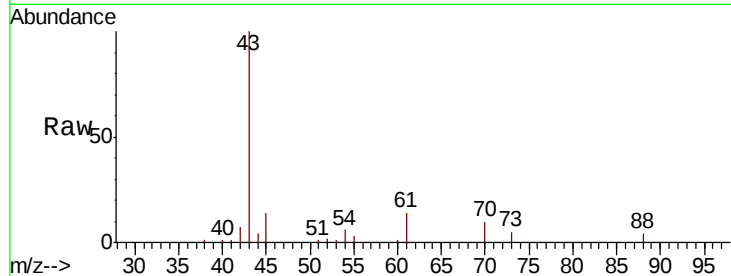
#37
Ethyl Acetate
Concen: 17.97 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	9.6	7.8	11.8

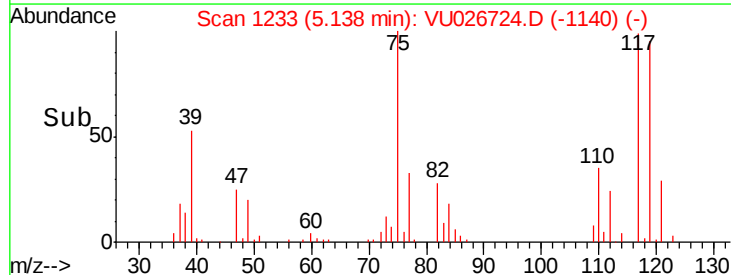
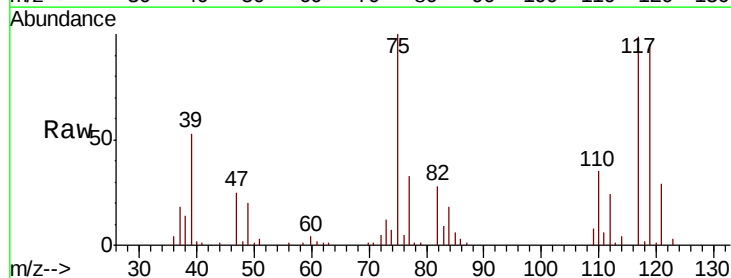
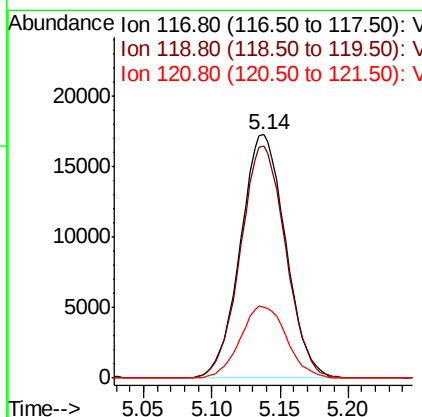
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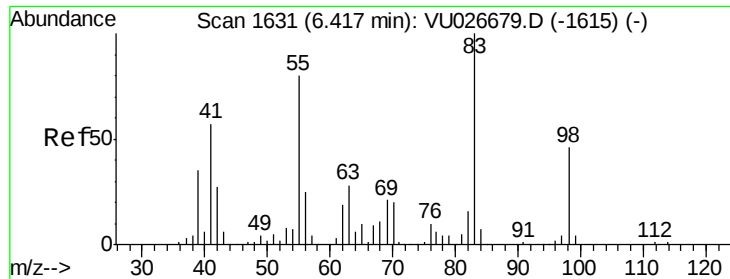
MMDadoda
9/17/2018 11:34:57 AM



#38
Carbon Tetrachloride
Concen: 18.53 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.8	116.8
121	29.3	25.0	37.4





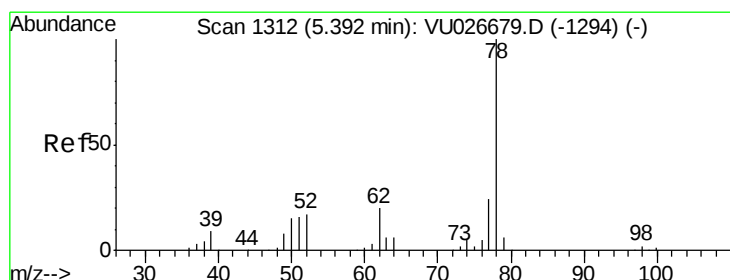
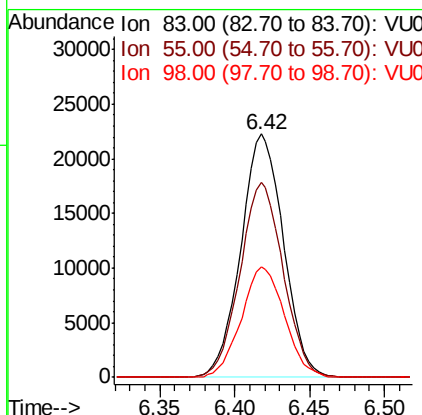
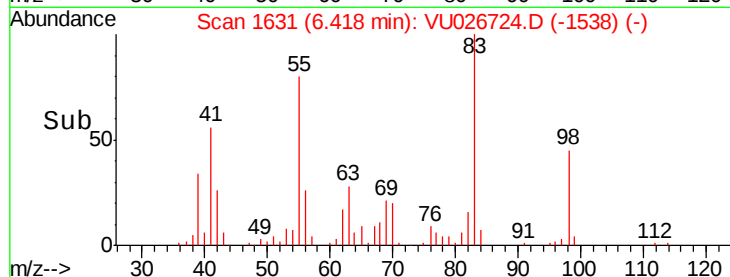
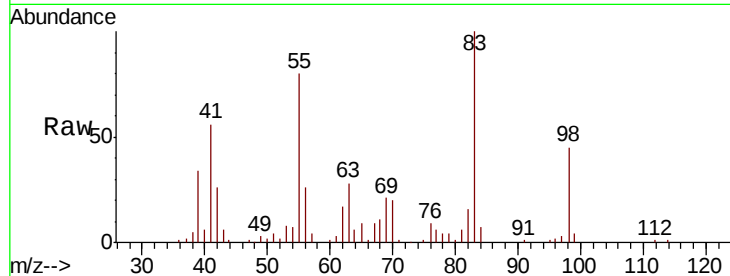
#39
Methvlcvclohexane
Concen: 18.39 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBS01

Tot Ion	83.00	Resp	44163
Ion Ratio	100	Lower	Upper
83	100		
55	79.9	63.8	95.6
98	45.1	37.2	55.8

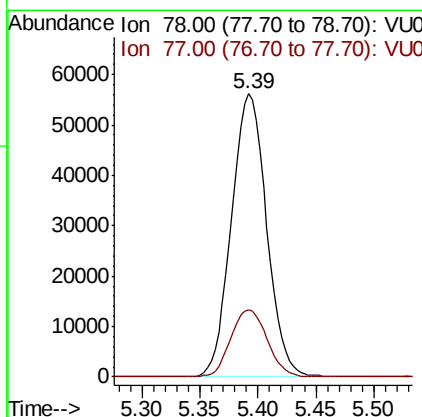
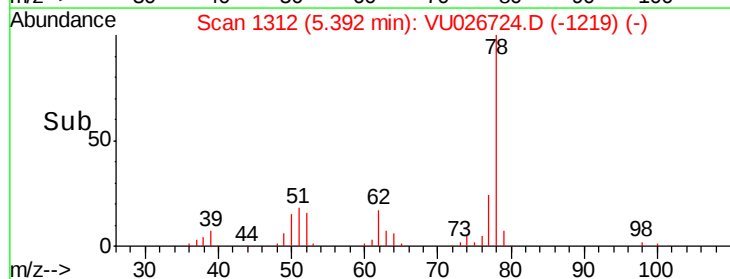
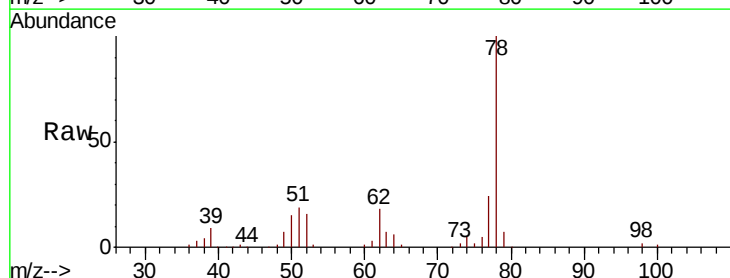
Manual Integrations
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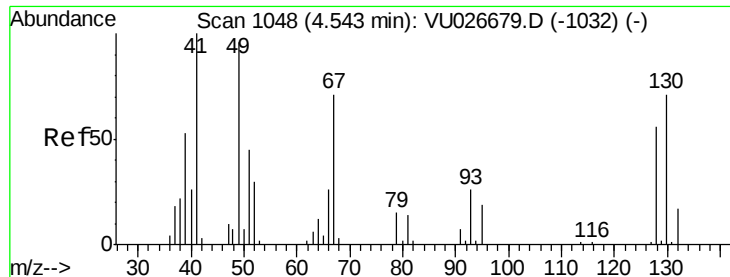
MMDadoda
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#40
Benzene
Concen: 18.80 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Tgt Ion	78.00	Resp	118125
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	19.5	29.3





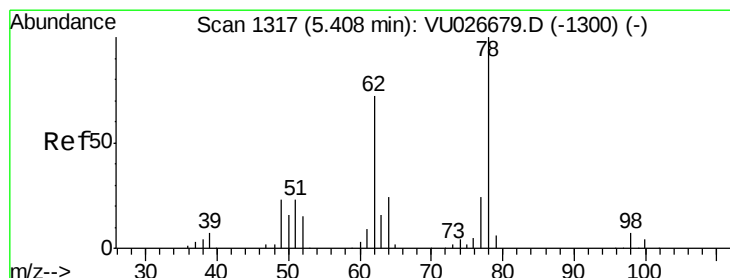
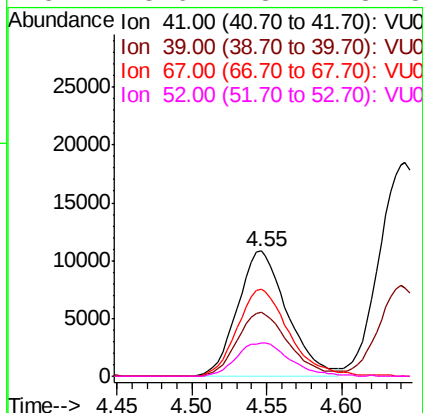
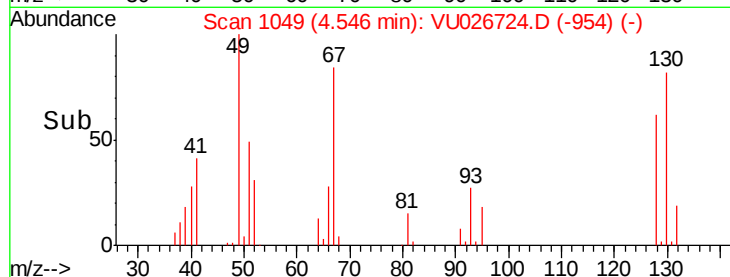
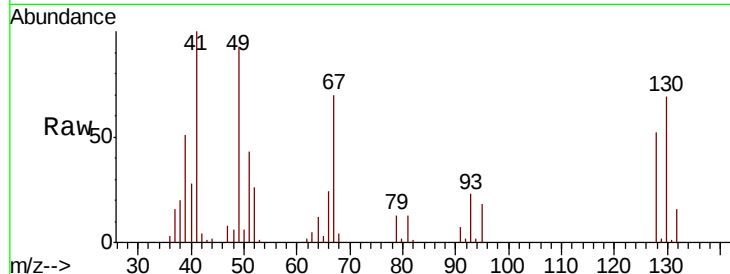
#41
Methacrylonitrile
Concen: 18.71 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	42.9	64.3	
67	72.5	56.6	84.8	
52	28.6	23.2	34.8	

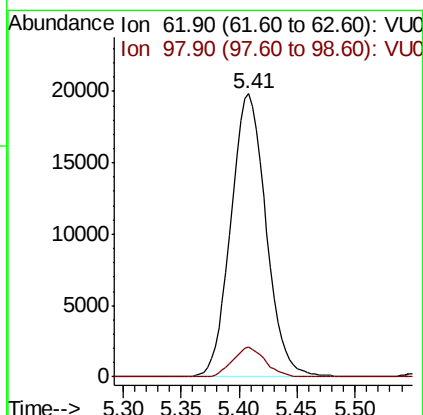
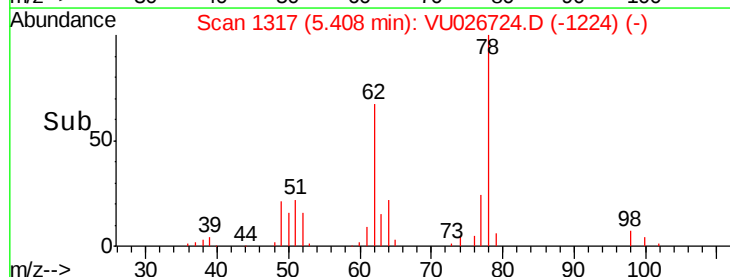
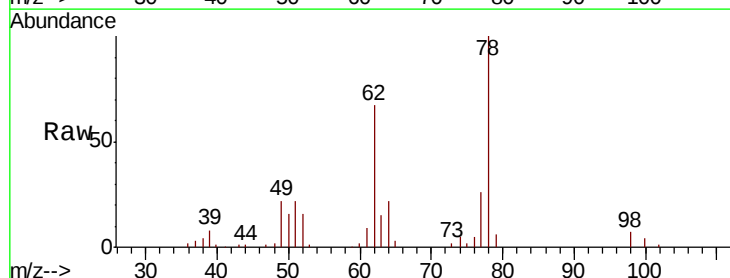
Manual Integrations
APPROVED

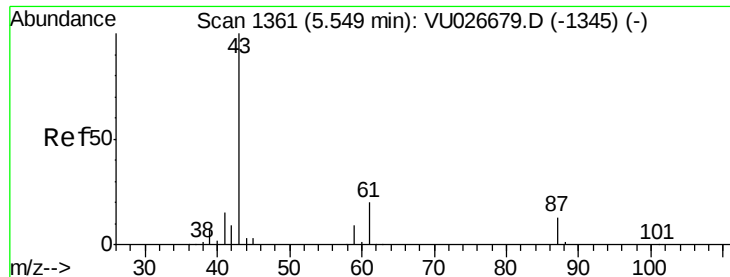
MMDadoda
9/17/2018 11:34:57 AM



#42
1,2-Dichloroethane
Concen: 18.64 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	17.8	





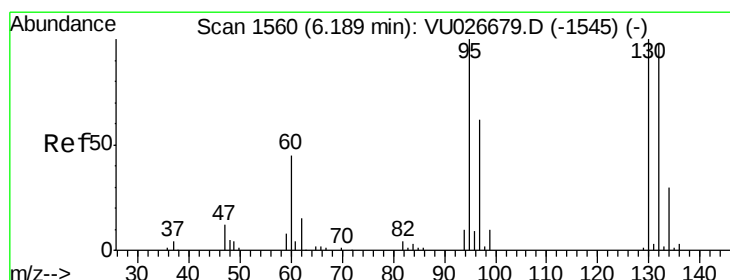
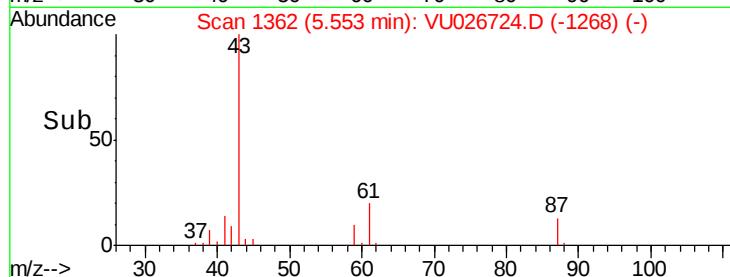
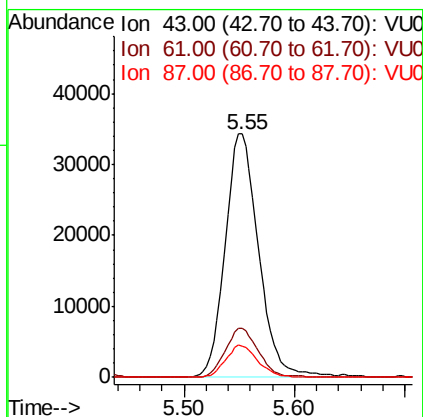
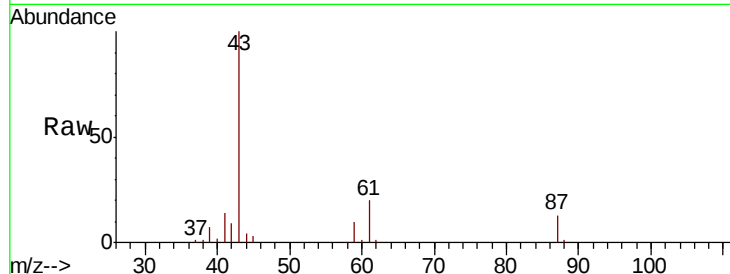
#43
Isopropyl Acetate
Concen: 19.51 ug/l
RT: 5.55 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	16.0	24.0
87	12.5	10.1	15.1

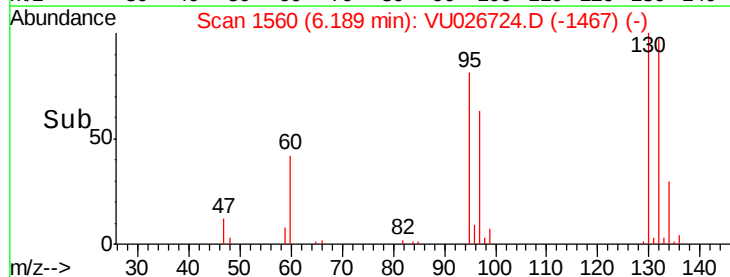
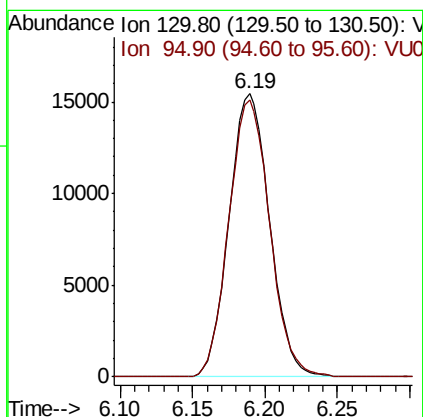
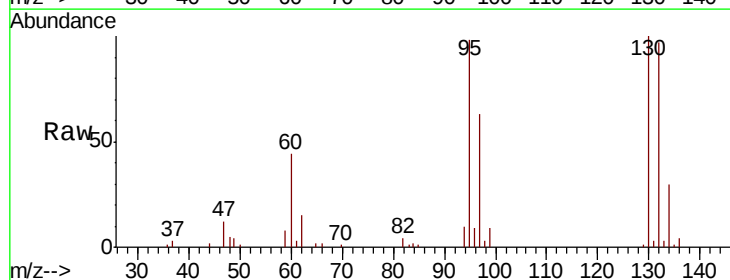
Manual Integrations
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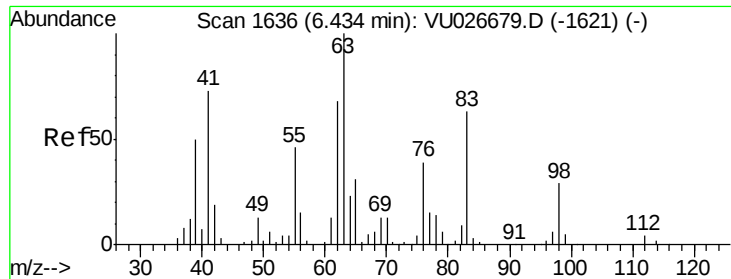
MMDadoda
9/17/2018 11:34:57 AM



#44
Trichloroethene
Concen: 19.28 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	199.4





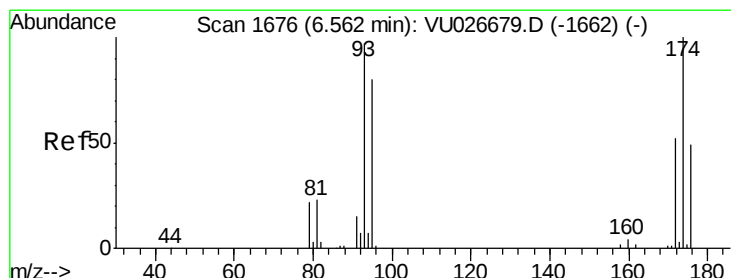
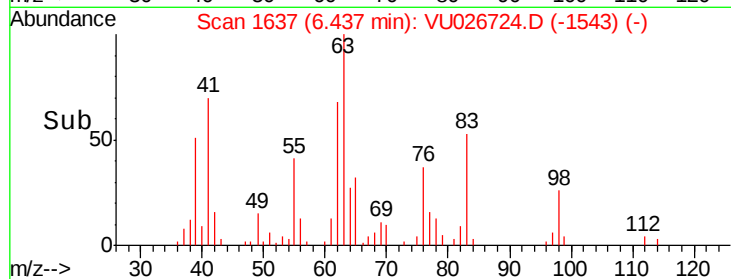
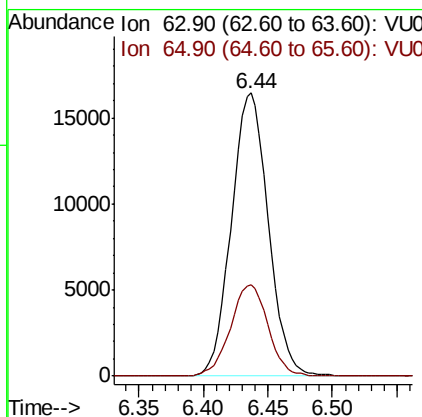
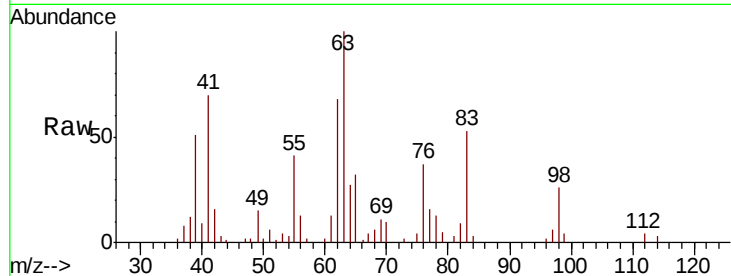
#45
 1,2-Dichloropropane
 Concen: 19.12 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU026724.D
 Acq: 13 Sep 2018 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBS01

Tot Ion: 63 Resp: 32654
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.0 37.4

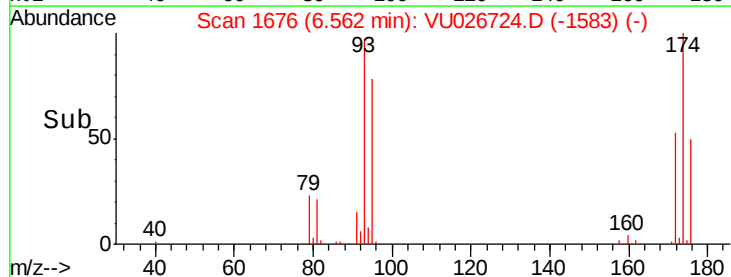
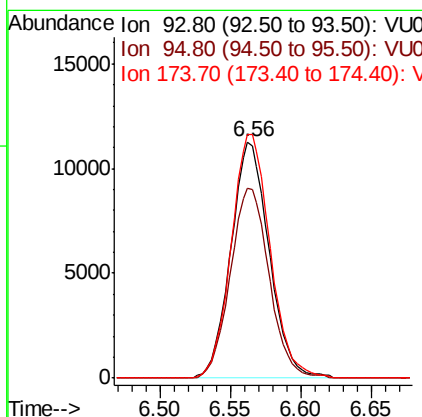
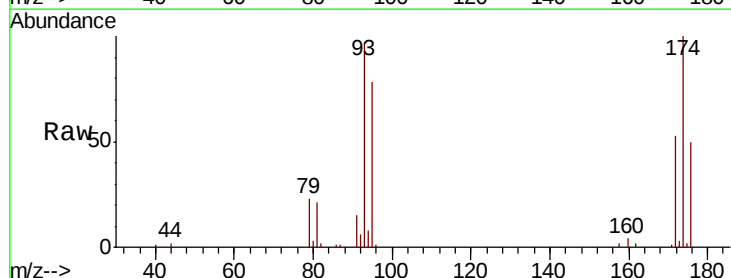
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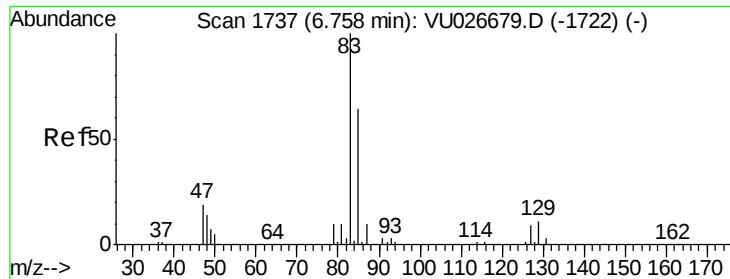
MMDadoda
 9/17/2018 11:34:57 AM



#46
 Dibromomethane
 Concen: 19.42 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU026724.D
 Acq: 13 Sep 2018 10:29

Tgt Ion: 93 Resp: 21407
 Ion Ratio Lower Upper
 93 100
 95 81.5 65.4 98.2
 174 104.5 81.6 122.4





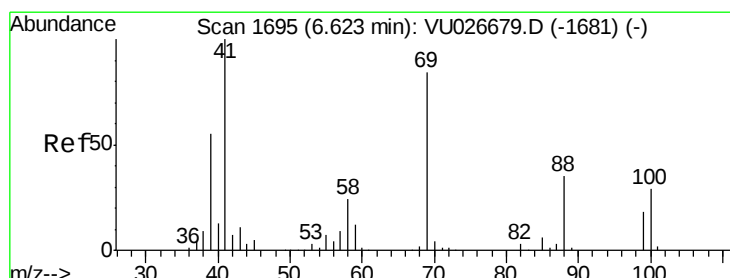
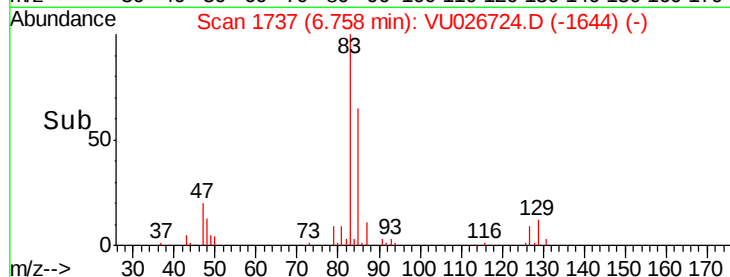
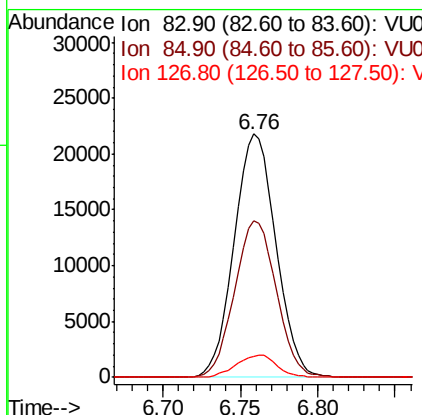
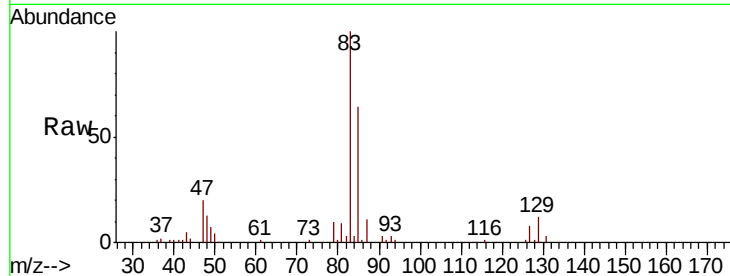
#47
 Bromodichloromethane
 Concen: 18.84 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU026724.D
 Acq: 13 Sep 2018 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBS01

Tot Ion	83	Resp	40892
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	51.1	76.7
127	8.5	6.9	10.3

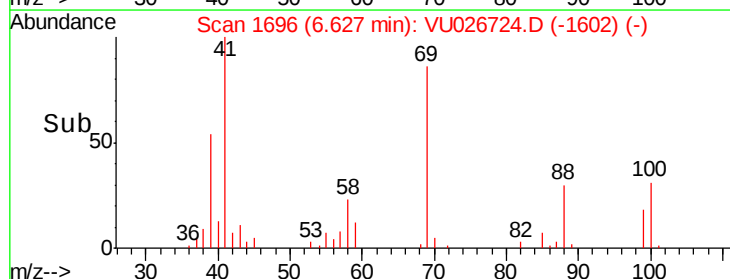
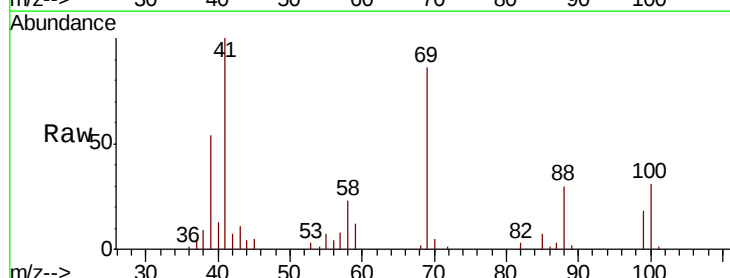
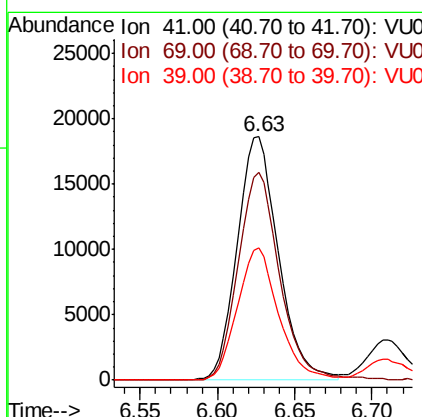
Manual Integrations
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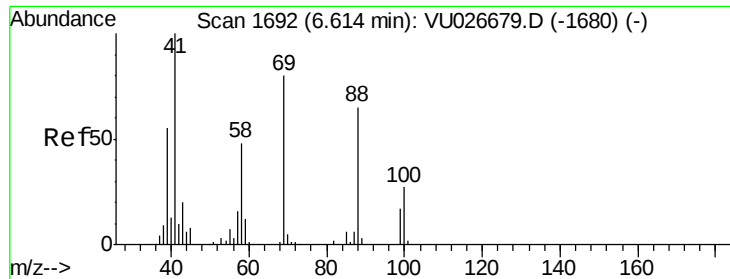
MMDadoda
 9/17/2018 11:34:57 AM



#48
 Methyl methacrylate
 Concen: 18.26 ug/l
 RT: 6.63 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU026724.D
 Acq: 13 Sep 2018 10:29

Tgt Ion	41	Resp	34548
Ion Ratio	100	Lower	Upper
41	100		
69	86.0	66.6	99.8
39	54.3	43.6	65.4





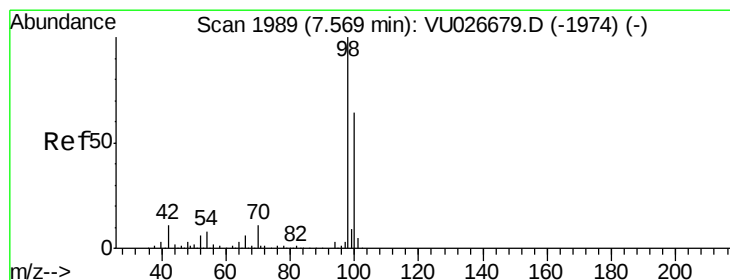
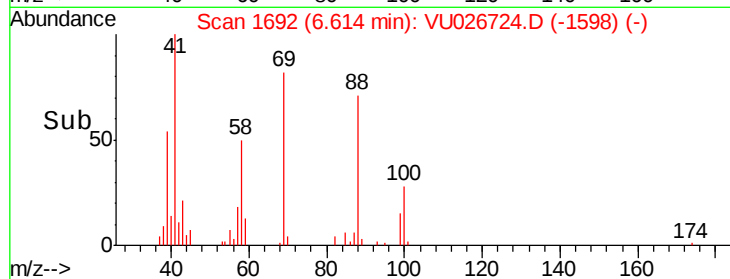
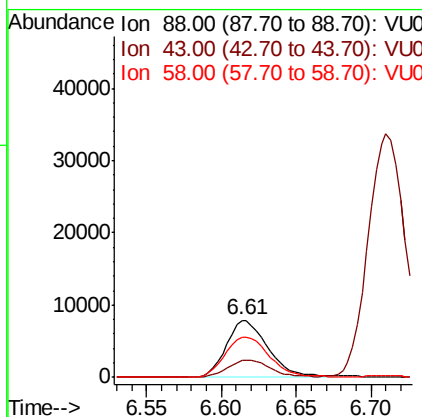
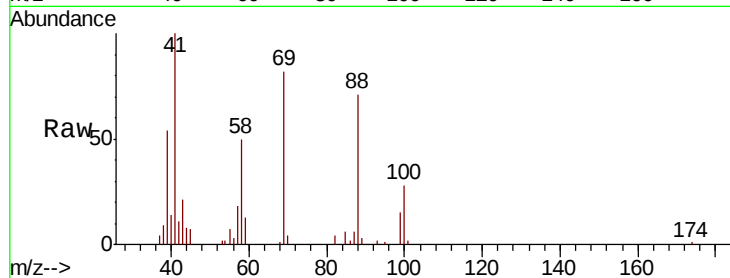
#49
1,4-Dioxane
Concen: 350.30 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	25.5	38.3
58	74.8	58.2	87.4

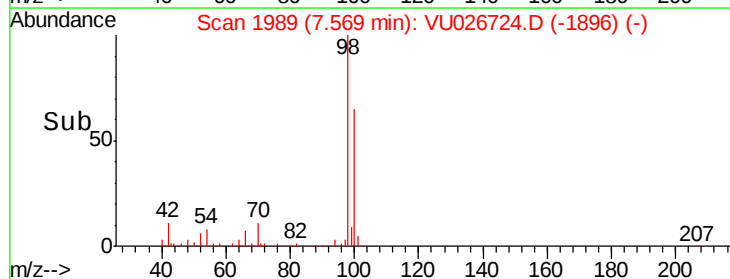
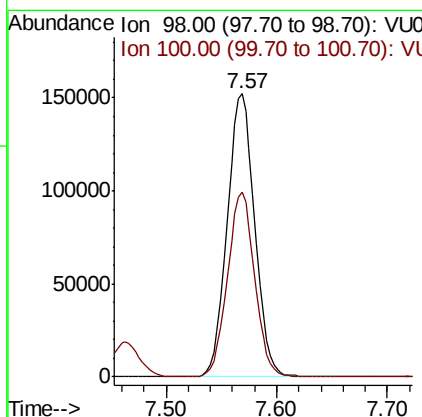
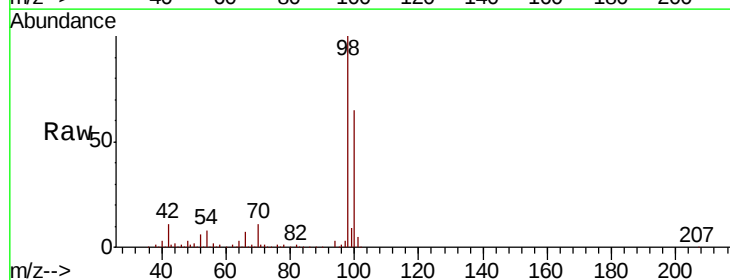
Manual Integrations
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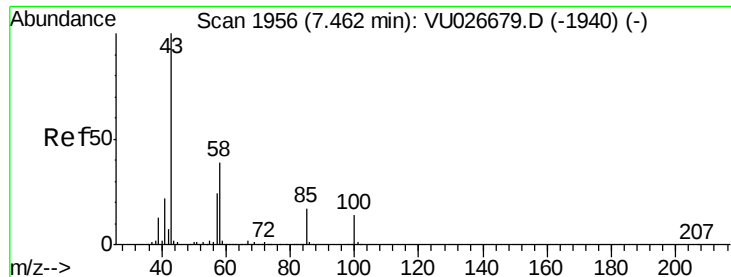
MMDadoda
9/17/2018 11:34:57 AM



#50
Toluene-d8
Concen: 48.27 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 94.09 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

VU0914MBS01

Tot Ion: 43 Resp: 233110

Ion Ratio Lower Upper

43 100

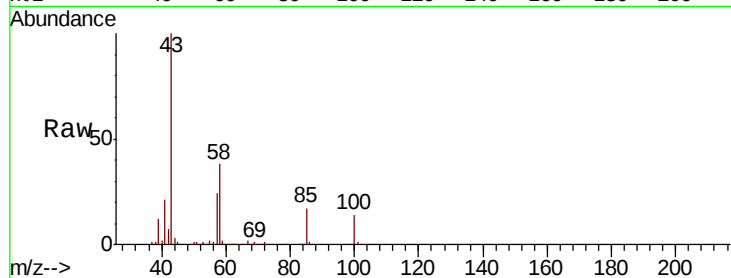
58 39.0 31.1 46.7

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Abundance Ion 43.00 (42.70 to 43.70): VU026679.D (-1940) (-)

Ion 58.00 (57.70 to 58.70): VU026679.D (-1940) (-)

7.46

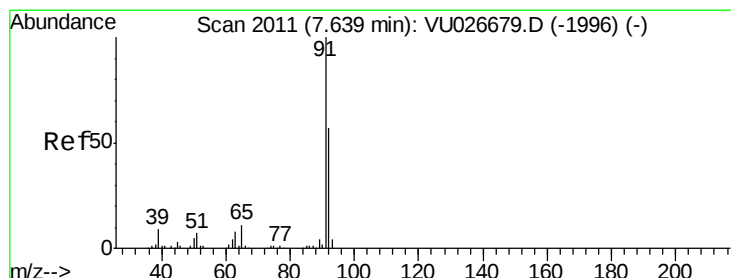
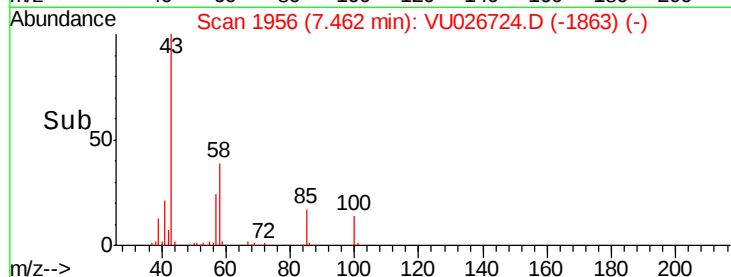
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.15 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026724.D

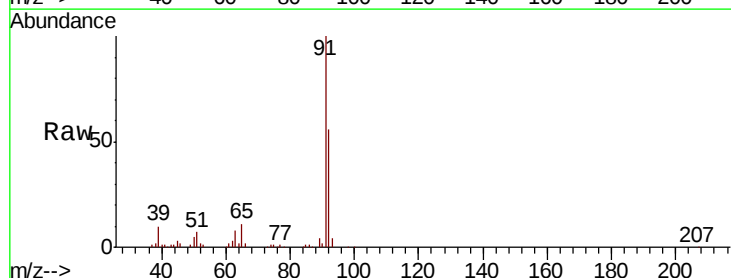
Acq: 13 Sep 2018 10:29

Tgt Ion: 92 Resp: 71649

Ion Ratio Lower Upper

92 100

91 176.5 141.1 211.7



Abundance Ion 92.00 (91.70 to 92.70): VU026679.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU026679.D (-1996) (-)

7.64

80000

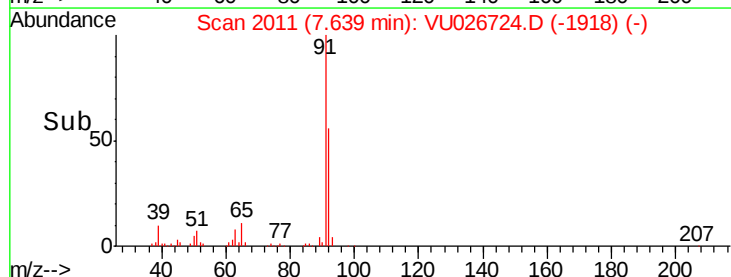
60000

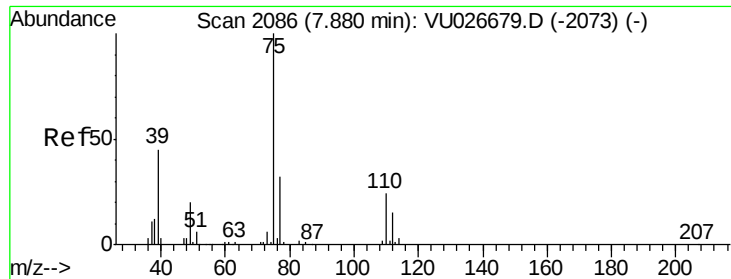
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.79 ug/l

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

VU0914MBS01

Tot Ion: 75 Resp: 45224

Ion Ratio Lower Upper

75 100

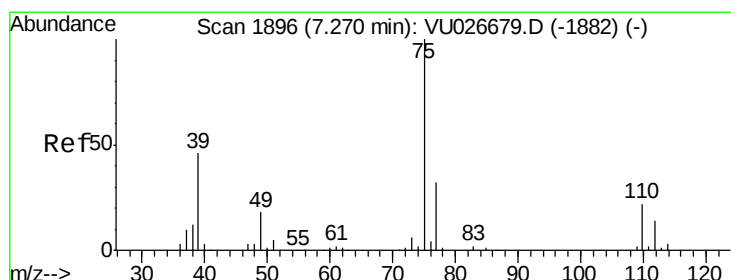
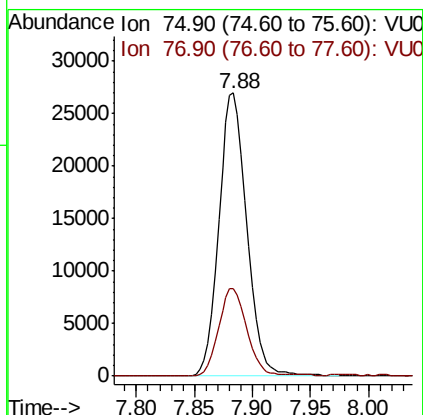
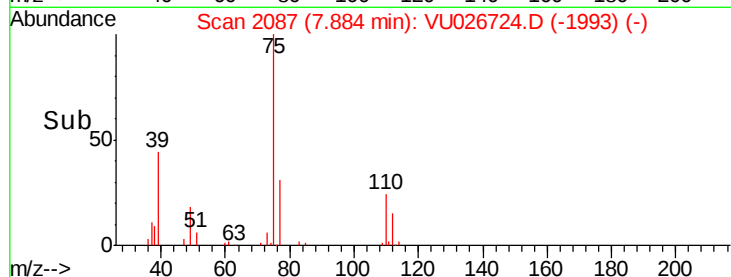
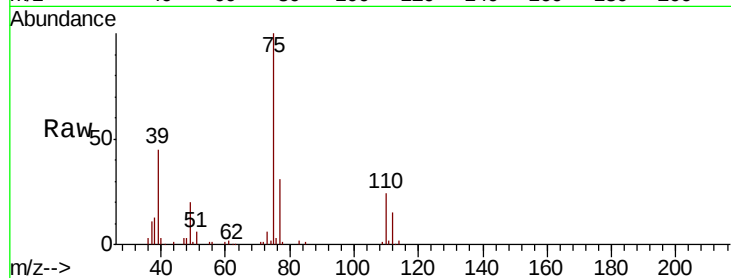
77 31.1 25.2 37.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.67 ug/l

RT: 7.27 min Scan# 1897

Delta R.T. 0.00 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

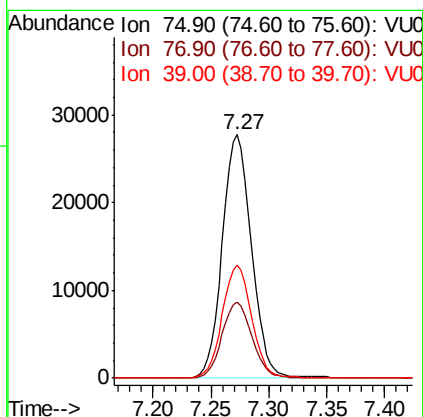
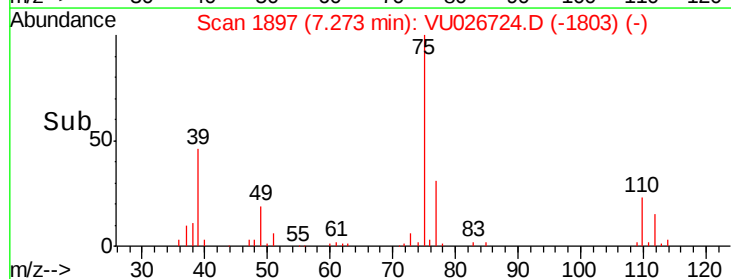
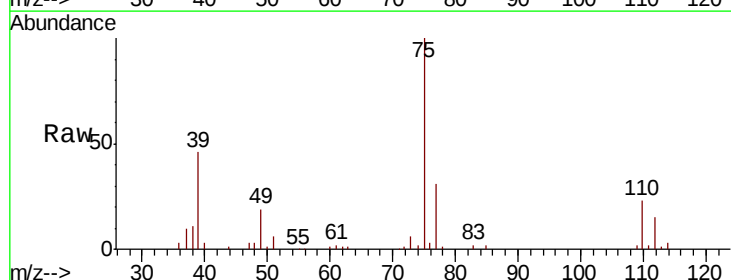
Tgt Ion: 75 Resp: 48254

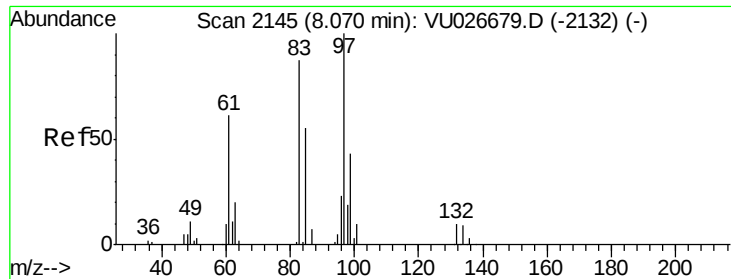
Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3

39 46.3 37.0 55.6





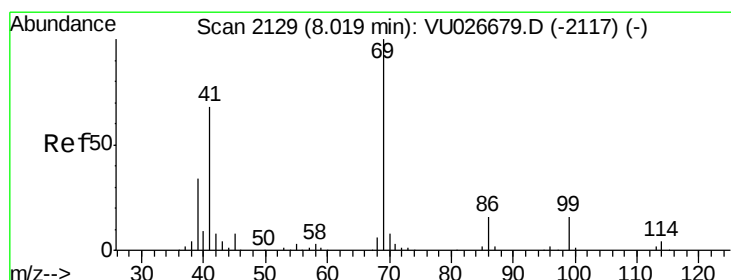
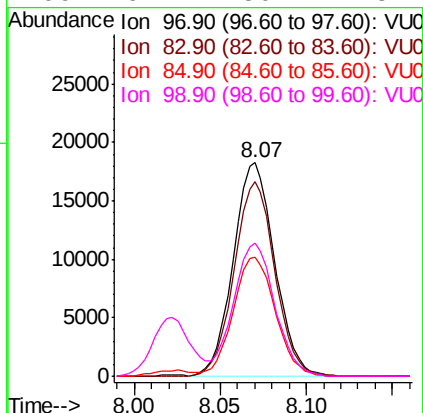
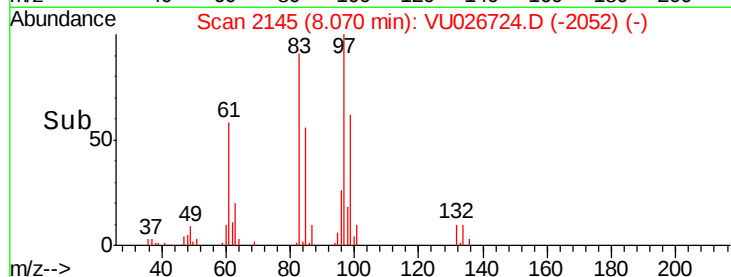
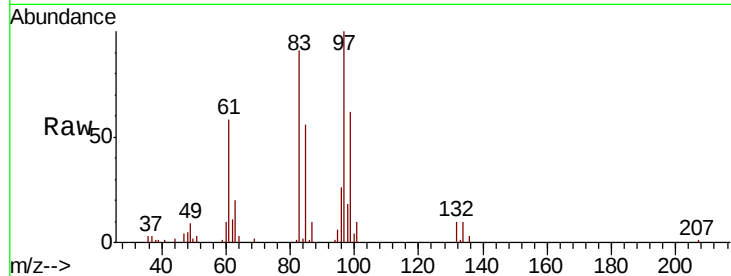
#55
 1,1,2-Trichloroethane
 Concen: 19.12 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU026724.D
 Acq: 13 Sep 2018 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		30660		
83	91.0	69.3	103.9		
85	55.9	45.9	68.9		
99	62.2	50.1	75.1		

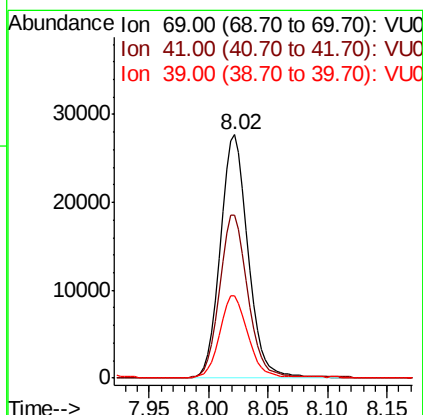
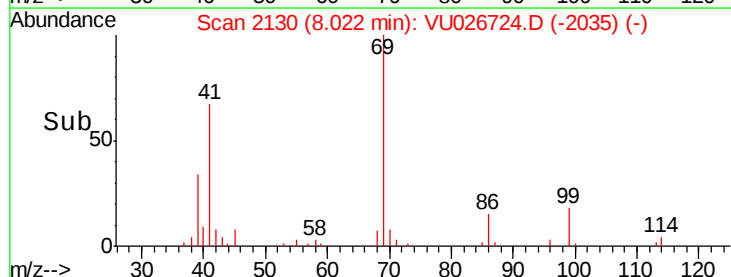
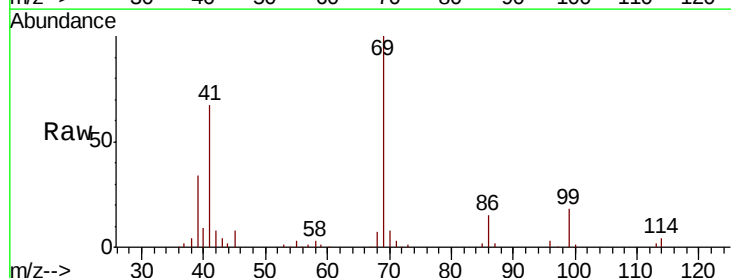
Manual Integrations
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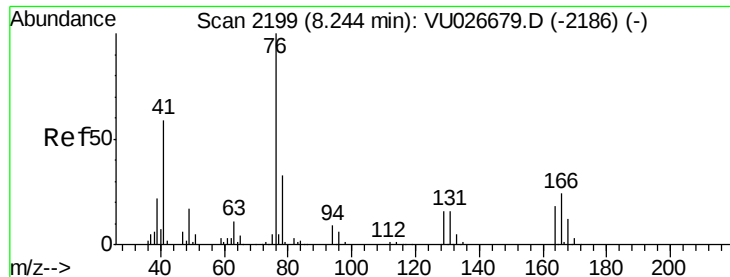
MMDadoda
 9/17/2018 11:34:57 AM



#56
 Ethyl methacrylate
 Concen: 18.50 ug/l
 RT: 8.02 min Scan# 2130
 Delta R.T. 0.00 min
 Lab File: VU026724.D
 Acq: 13 Sep 2018 10:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		44829		
41	69.0	54.2	81.2		
39	34.5	28.4	42.6		





#57

1,3-Dichloropropane

Concen: 19.27 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

VU0914MBS01

Tot Ion: 76 Resp: 52653

Ion Ratio Lower Upper

76 100

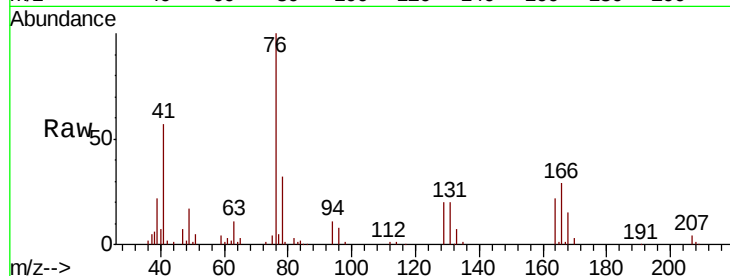
78 32.2 26.0 39.0

Manual Integrations

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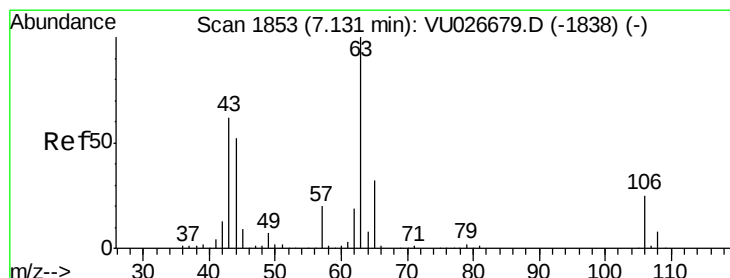
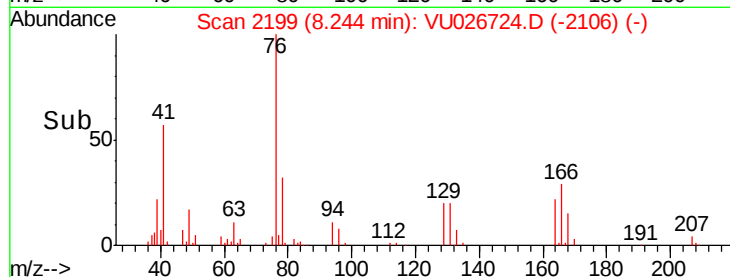
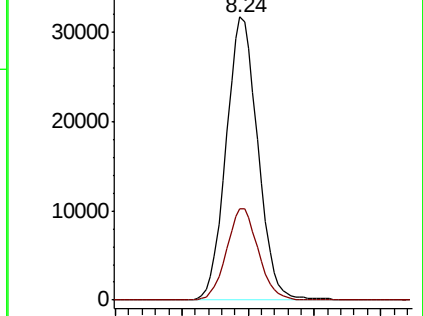
MMDadoda

9/17/2018 11:34:57 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 89.89 ug/l

RT: 7.13 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VU026724.D

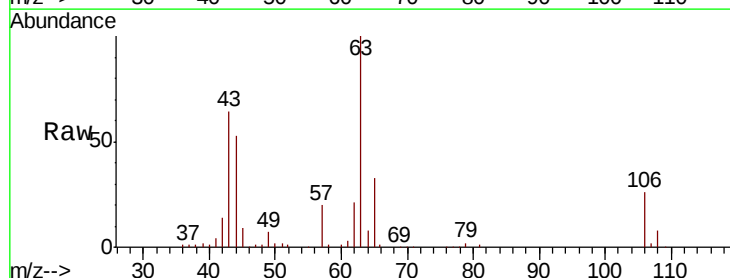
Acq: 13 Sep 2018 10:29

Tgt Ion: 63 Resp: 107993

Ion Ratio Lower Upper

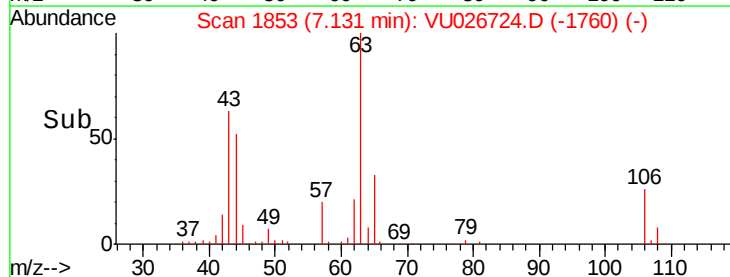
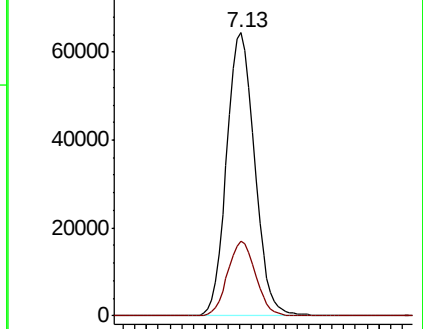
63 100

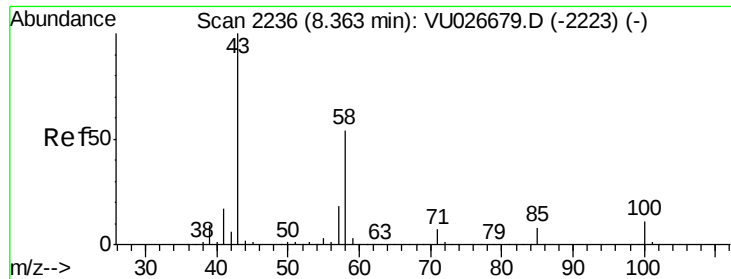
106 26.4 20.5 30.7



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





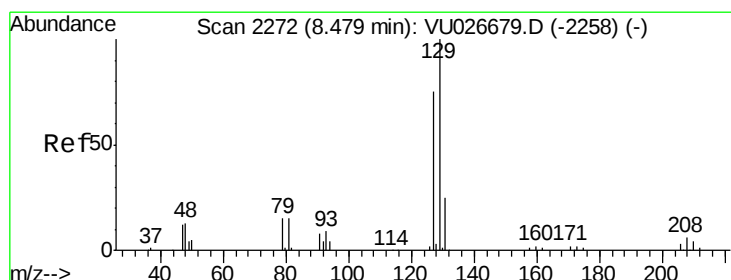
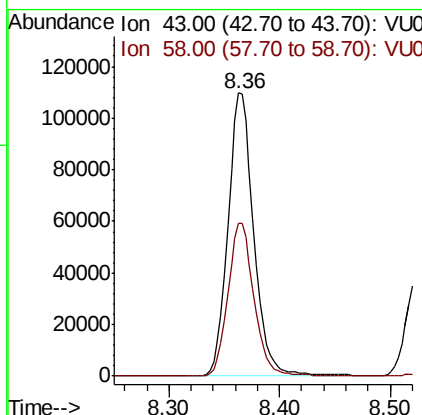
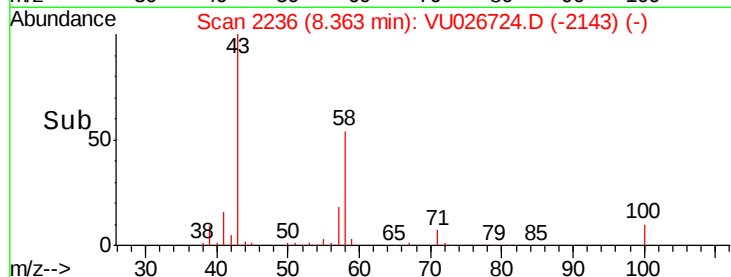
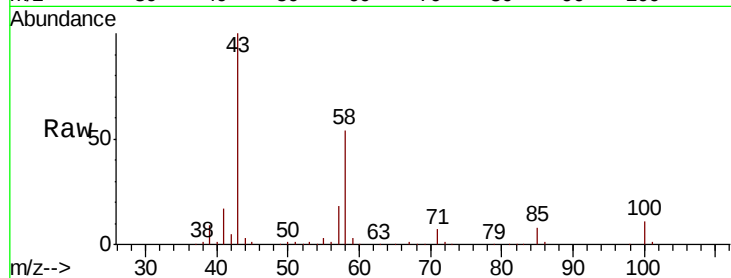
#59
2-Hexanone
Concen: 91.22 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBS01

Tot Ion: 43 Resp: 177859
Ion Ratio Lower Upper
43 100
58 54.7 26.9 80.7

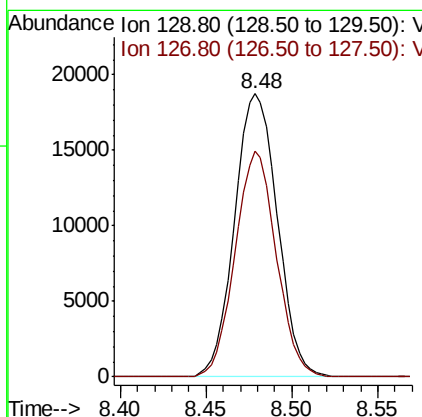
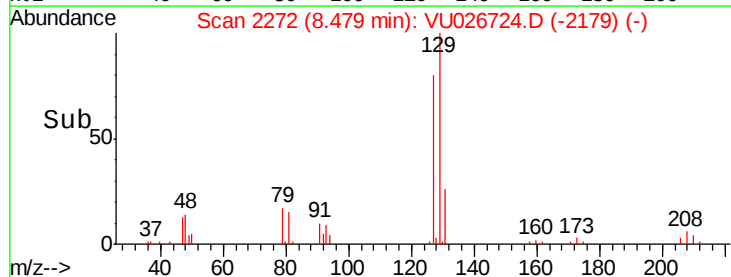
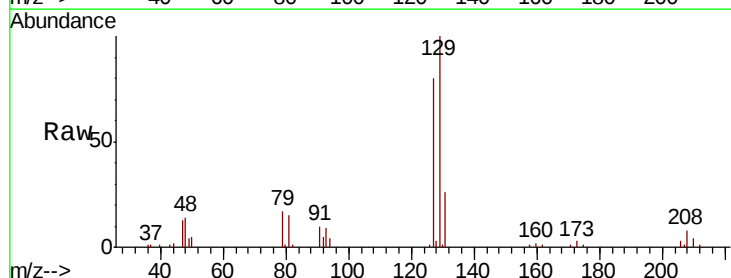
Manual Integrations
APPROVED

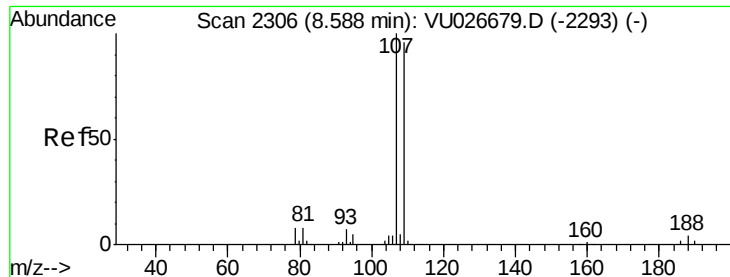
MMDadoda
9/17/2018 11:34:57 AM



#60
Dibromochloromethane
Concen: 18.67 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Tgt Ion: 129 Resp: 32424
Ion Ratio Lower Upper
129 100
127 76.7 38.3 114.9





#61

1,2-Dibromoethane

Concen: 18.61 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

VU0914MBS01

Tot Ion:107 Resp: 32379

Ion Ratio Lower Upper

107 100

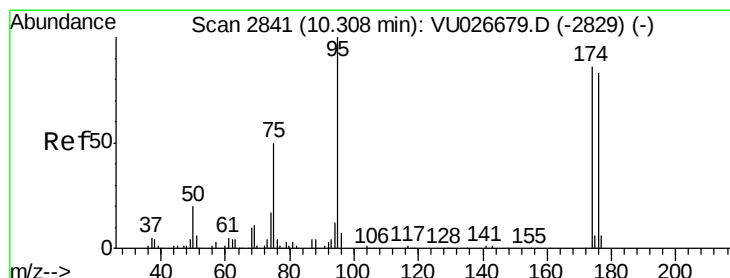
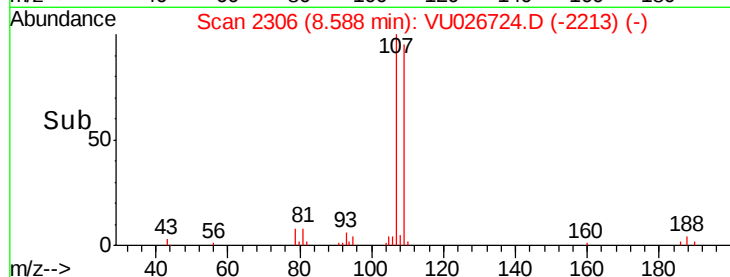
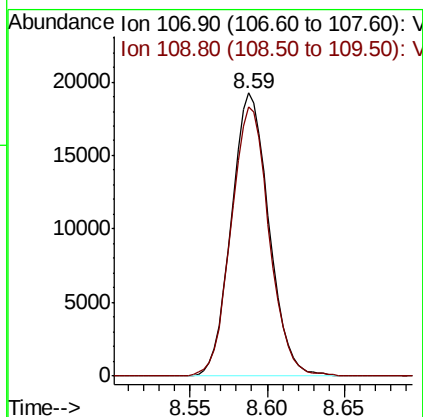
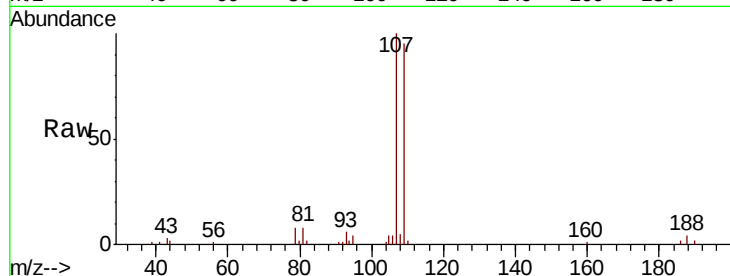
109 96.3 75.7 113.5

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 47.12 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

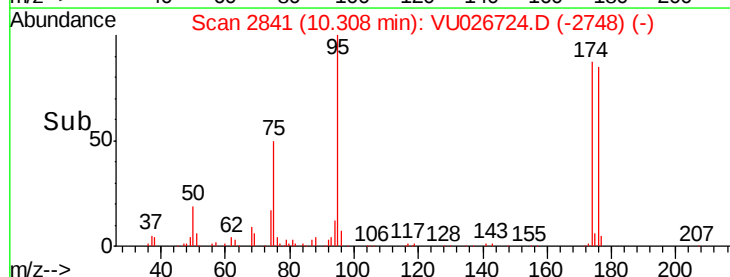
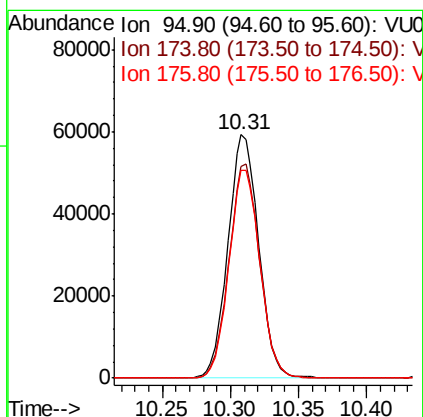
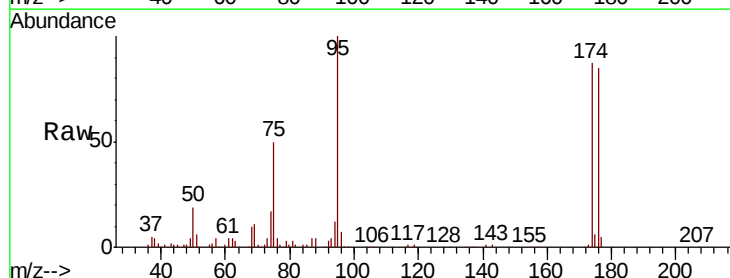
Tgt Ion: 95 Resp: 92824

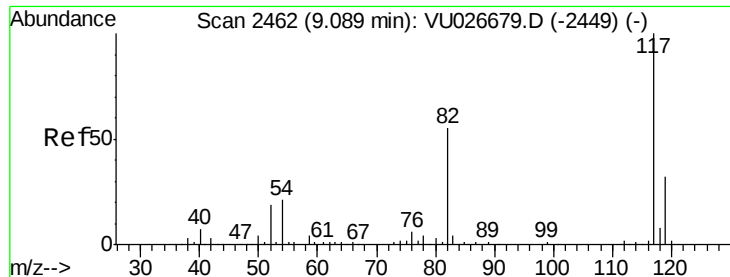
Ion Ratio Lower Upper

95 100

174 87.8 0.0 172.8

176 86.0 0.0 168.6





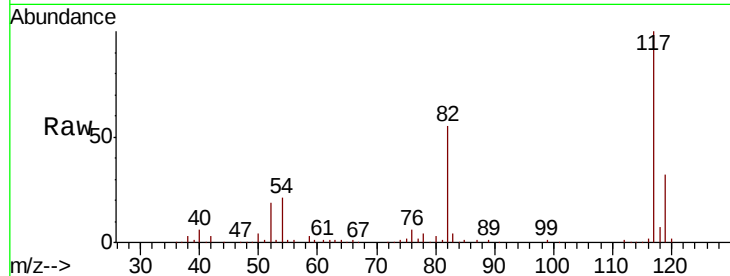
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	171687		
82	54.8	44.1	66.1	
119	31.7	25.7	38.5	

Manual Integrations
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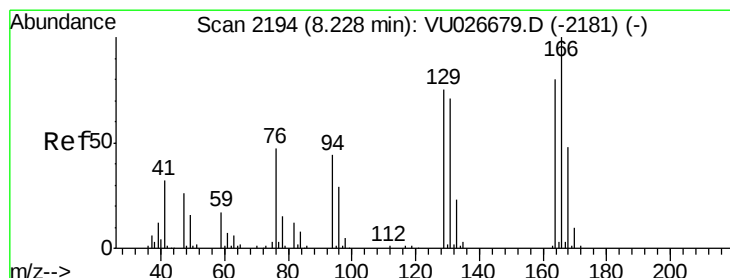
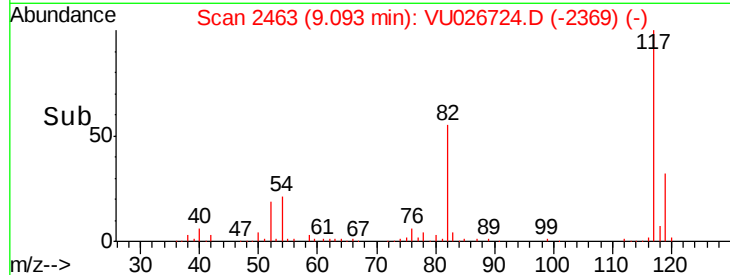
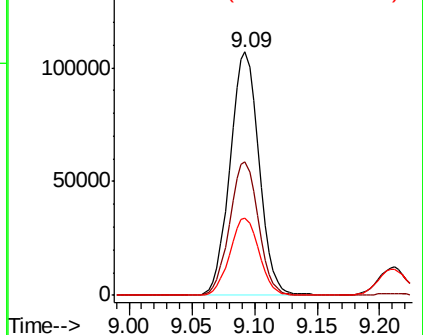


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.08 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	26073		
166	134.7	100.5	150.7	
129	94.1	75.3	112.9	
131	91.6	71.4	107.2	

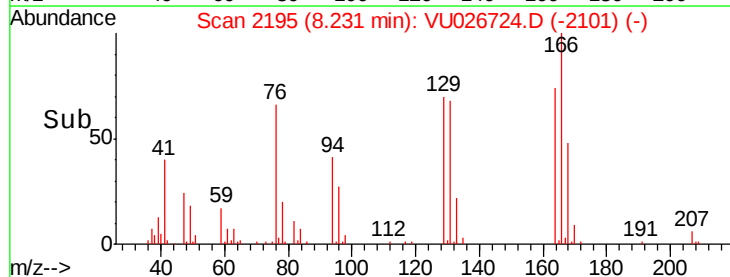
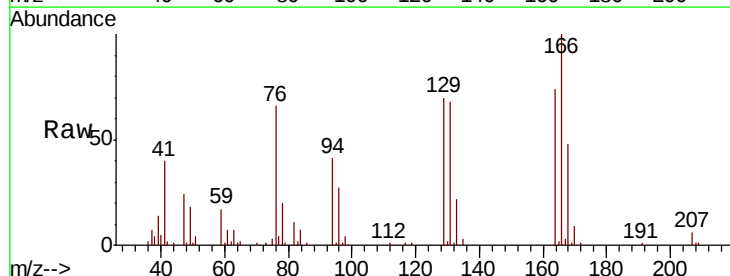
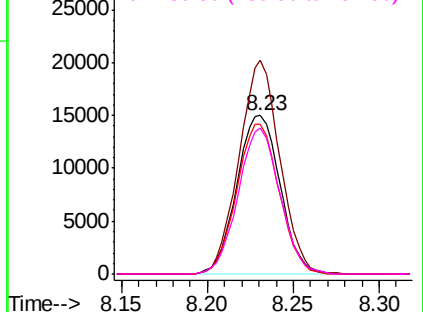
Abundance

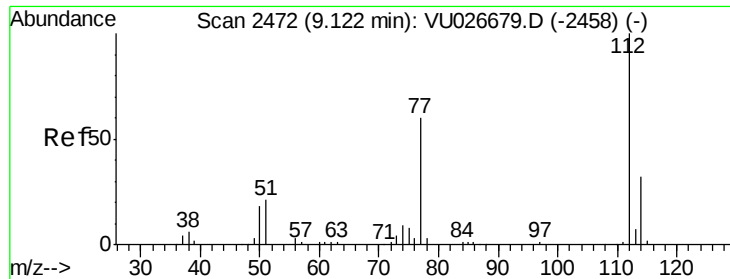
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





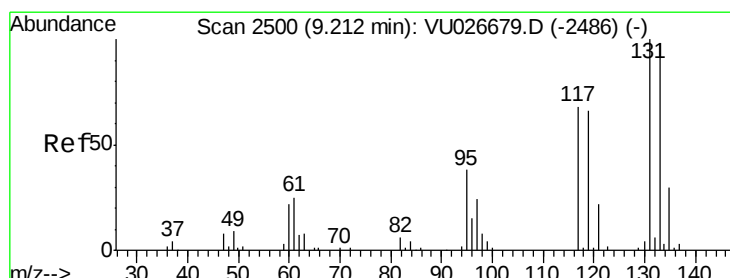
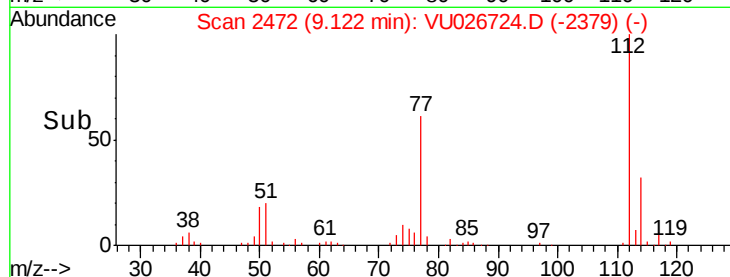
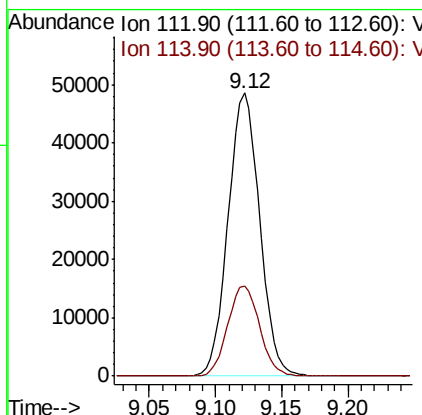
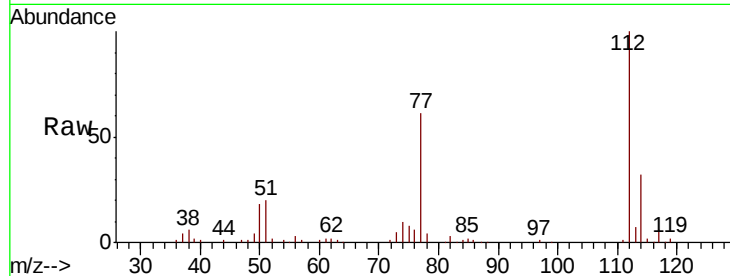
#65
Chlorobenzene
Concen: 18.87 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBS01

Tot Ion:112 Resp: 80497
Ion Ratio Lower Upper
112 100
114 31.9 25.5 38.3

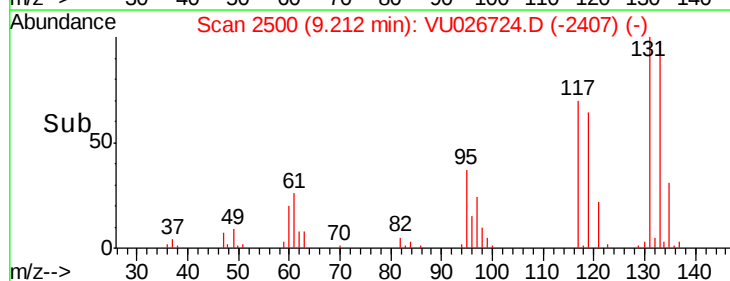
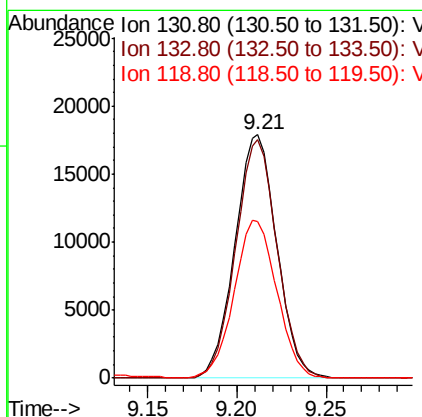
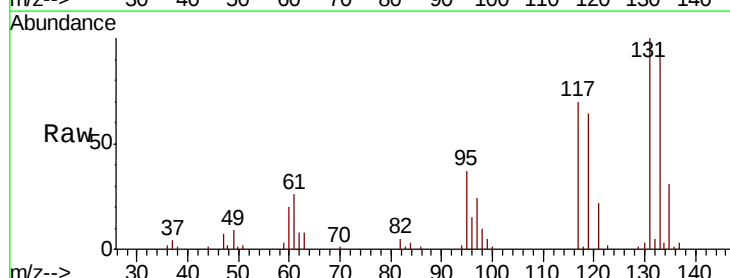
Manual Integrations
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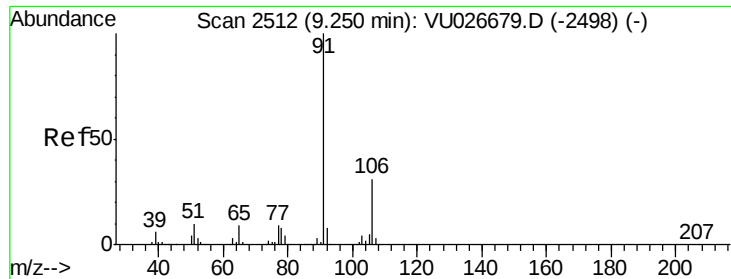
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.68 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Tgt Ion:131 Resp: 29317
Ion Ratio Lower Upper
131 100
133 96.9 48.9 146.6
119 66.0 32.7 98.1





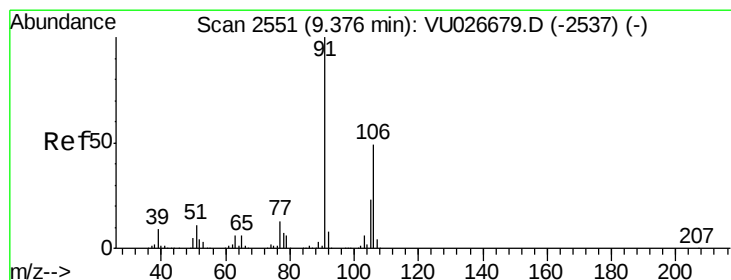
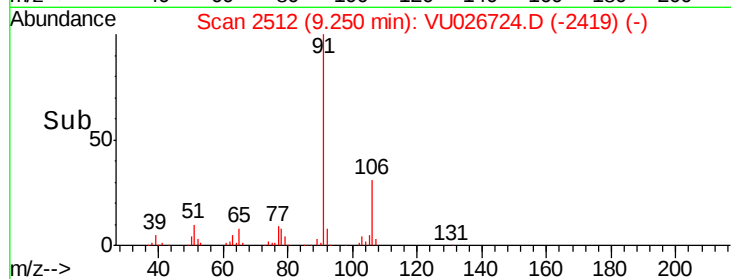
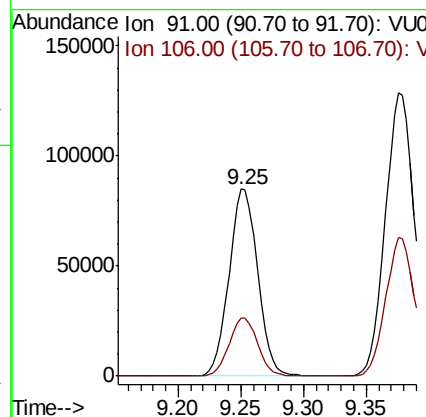
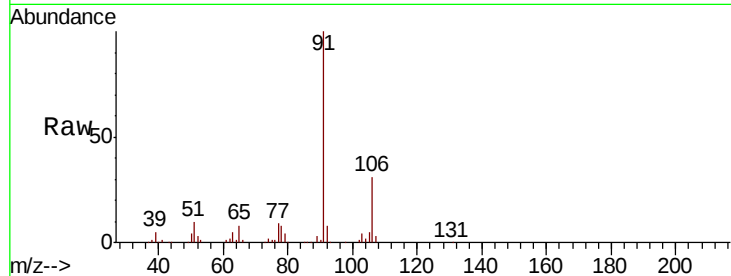
#67
Ethyl Benzene
Concen: 19.22 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.0	37.4

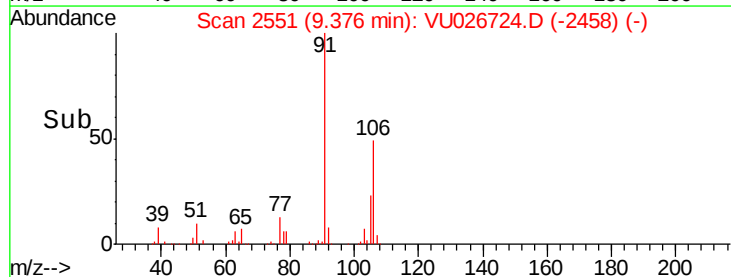
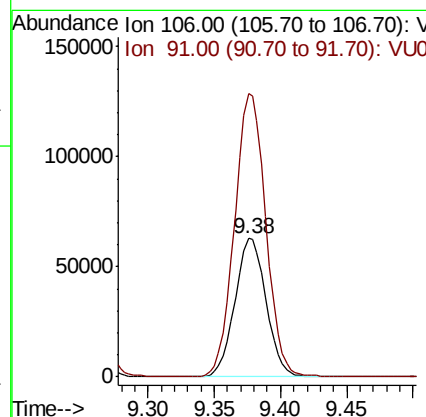
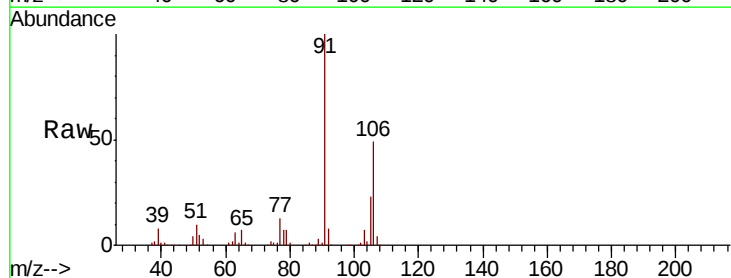
Manual Integrations
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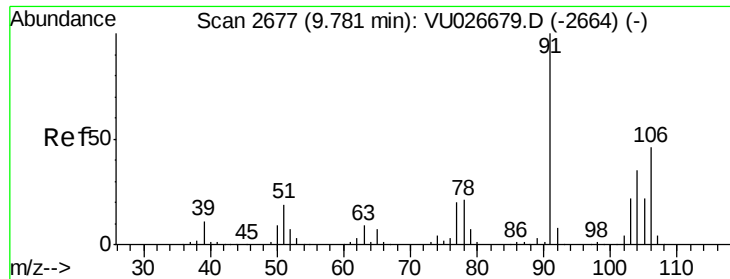
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#68
m/p-Xylenes
Concen: 38.59 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
106	100		
91	203.8	162.1	243.1





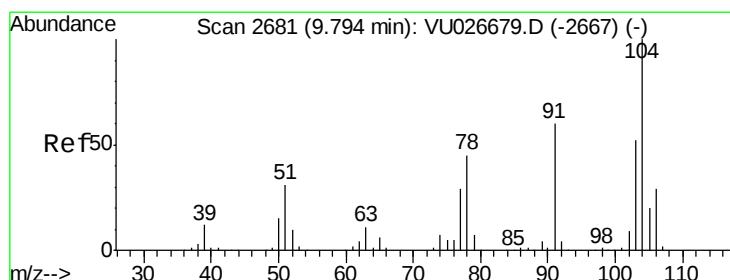
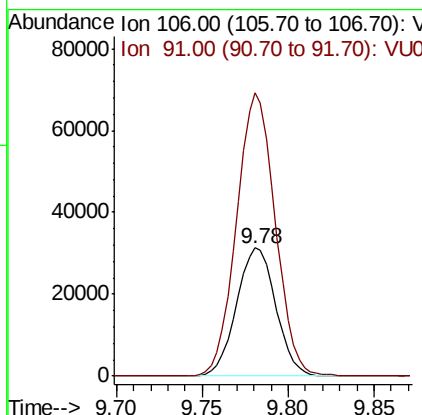
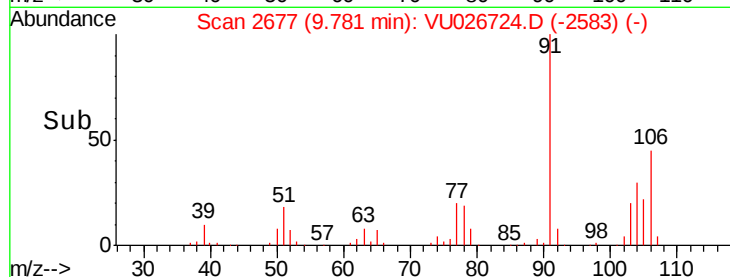
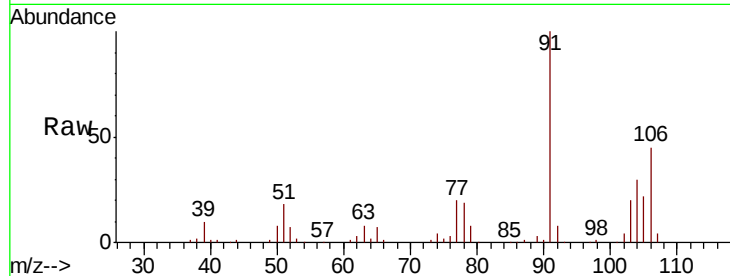
#69
o-Xylene
Concen: 18.27 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBS01

Tot Ion:106 Resp: 49884
Ion Ratio Lower Upper
106 100
91 217.3 106.9 320.8

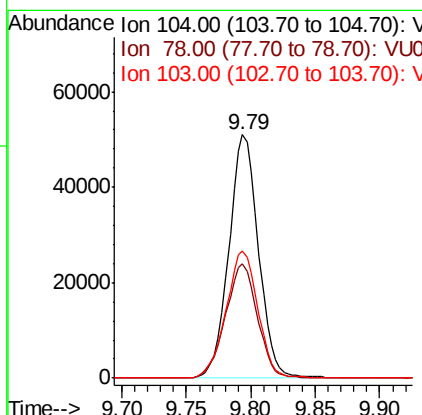
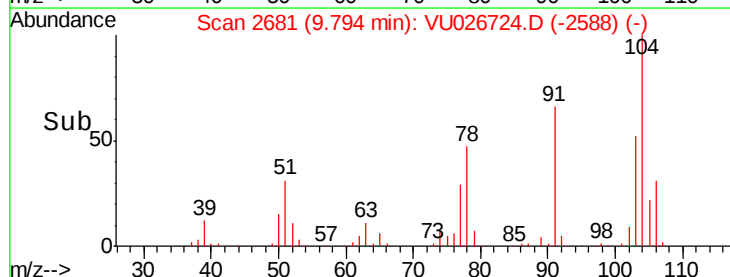
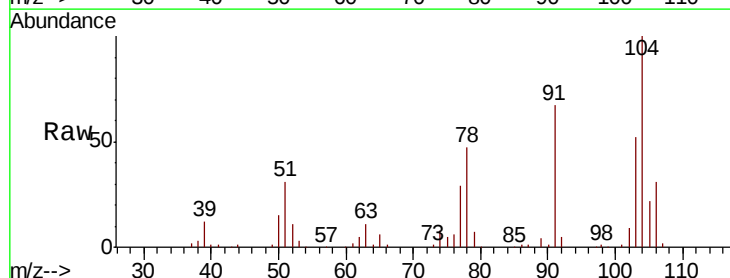
Manual Integrations
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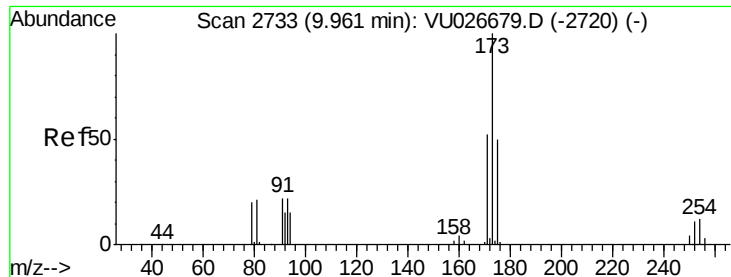
MMDadoda
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#70
Styrene
Concen: 18.10 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Tgt Ion:104 Resp: 81132
Ion Ratio Lower Upper
104 100
78 50.7 39.4 59.2
103 56.2 44.5 66.7





#71

Bromoform

Concen: 18.45 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

VU0914MBS01

Tot Ion:173 Resp: 25189

Ion Ratio Lower Upper

173 100

175 48.4 24.7 74.1

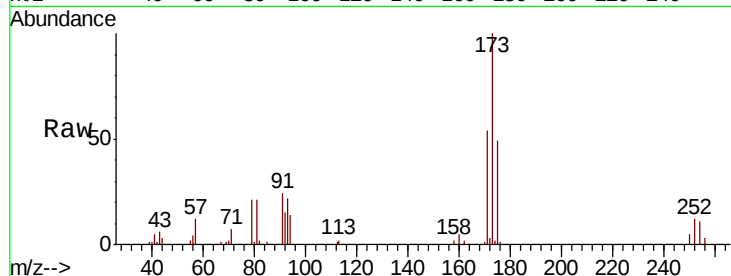
254 0.0 0.0 0.0

Manual Integrations

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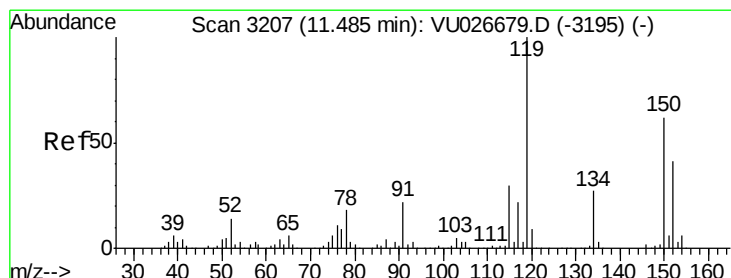
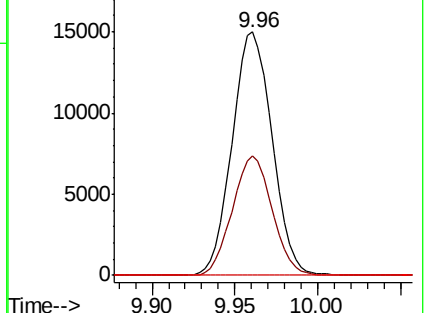
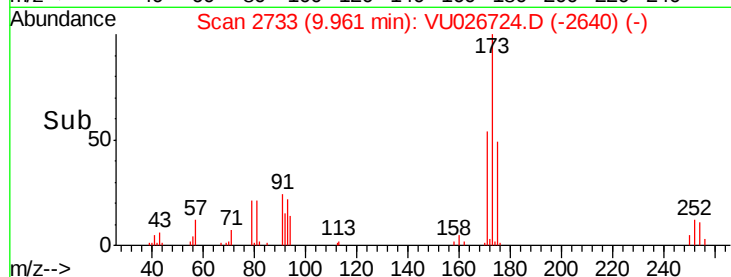
9/17/2018 11:34:57 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

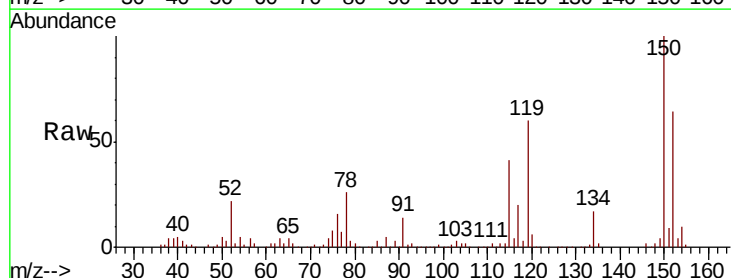
Tgt Ion:152 Resp: 97695

Ion Ratio Lower Upper

152 100

115 66.7 40.4 121.1

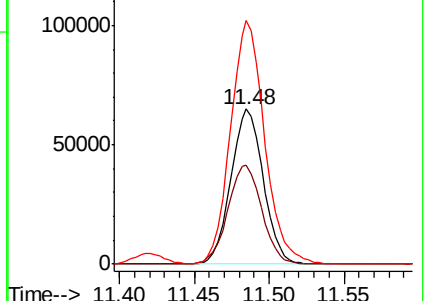
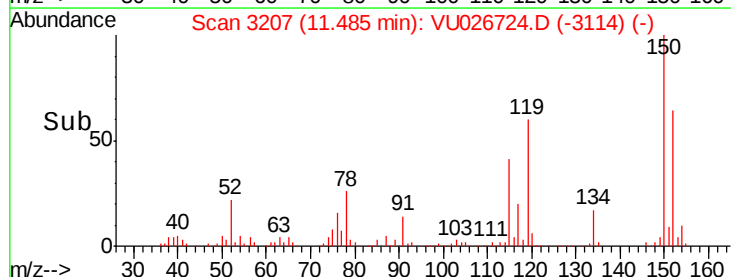
150 165.6 0.0 345.2

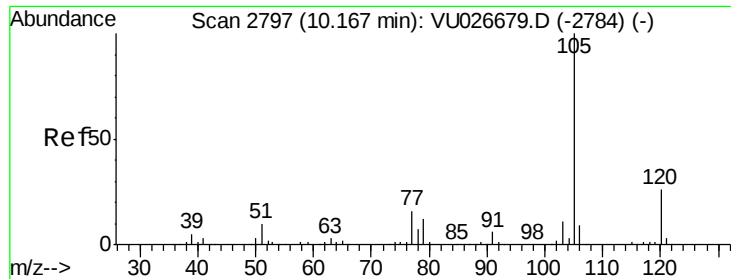


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.37 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

VU0914MBS01

Tot Ion: 105 Resp: 135626

Ion Ratio Lower Upper

105 100

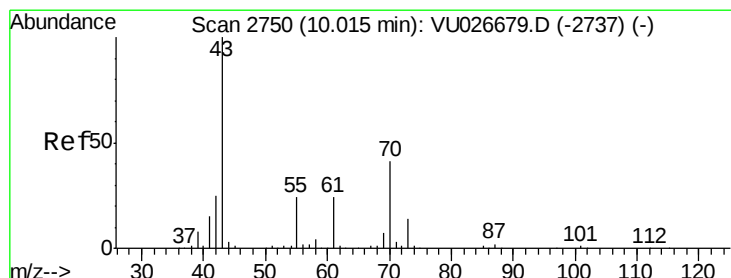
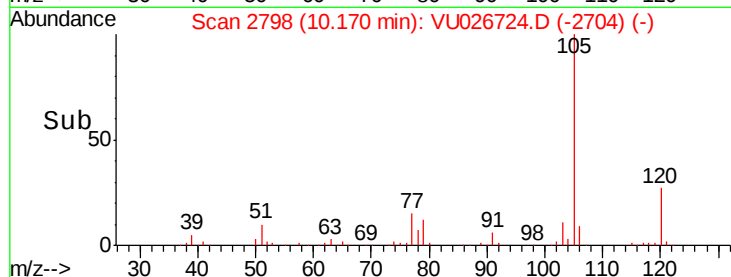
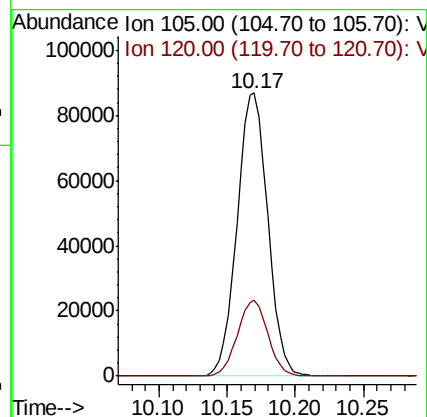
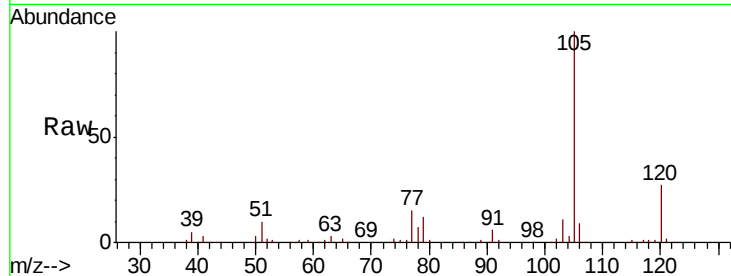
120 26.6 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.91 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

Tgt Ion: 43 Resp: 62581

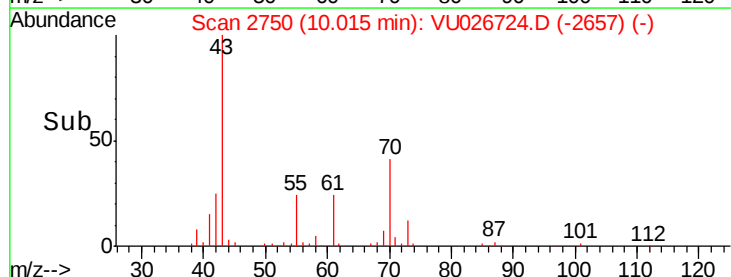
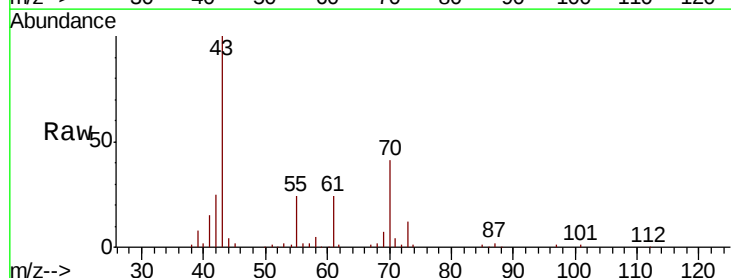
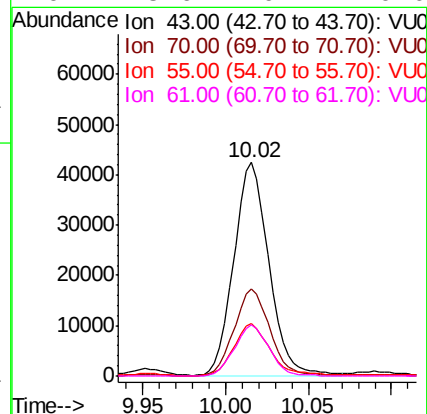
Ion Ratio Lower Upper

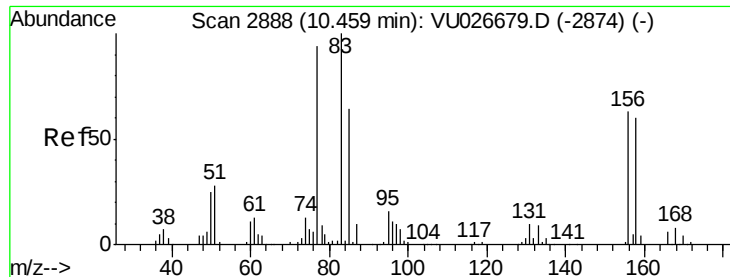
43 100

70 41.6 32.6 48.8

55 25.8 19.1 28.7

61 23.6 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.99 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

Instrument :

MSVOA_U

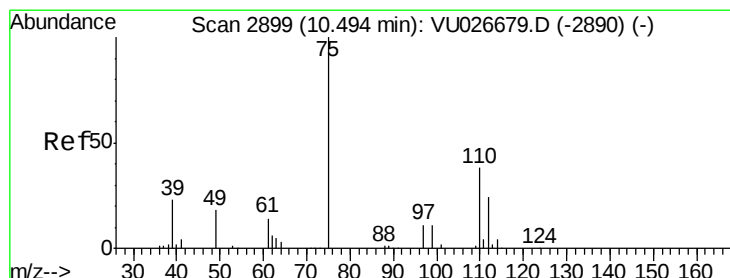
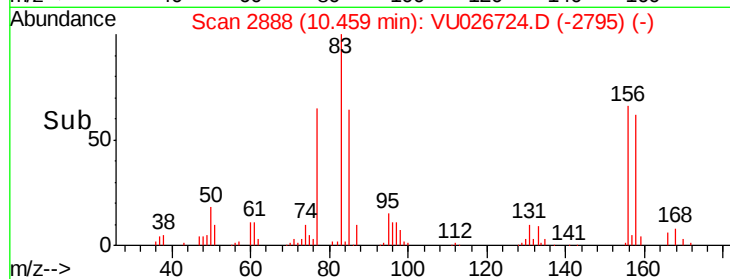
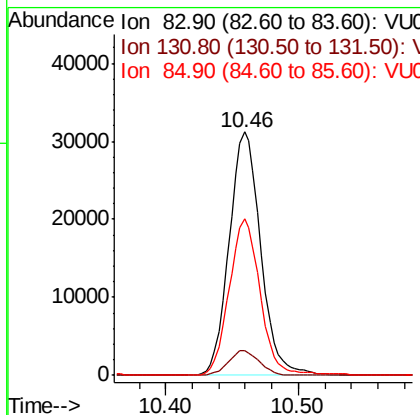
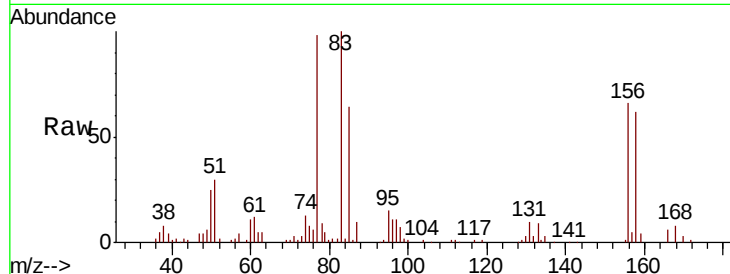
ClientSampleId :

VU0914MBS01

Tot Ion	83	Resp	51521
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.6
85	63.6	32.3	96.9

Manual Integrations
APPROVED

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#76

1,2,3-Trichloropropane

Concen: 20.95 ug/l m

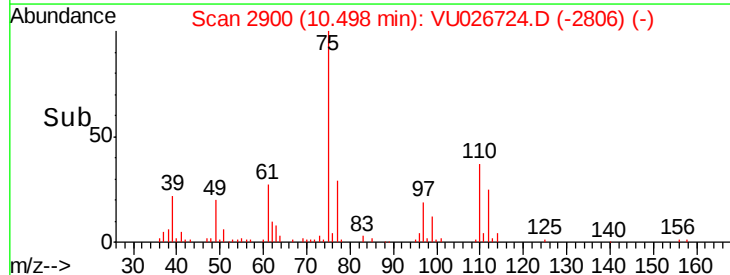
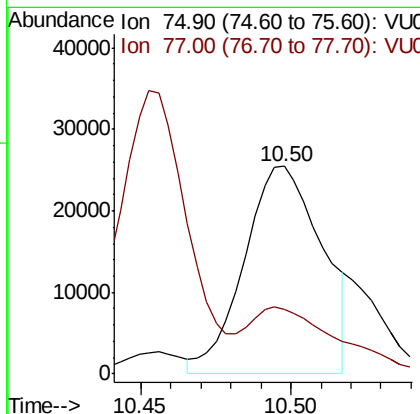
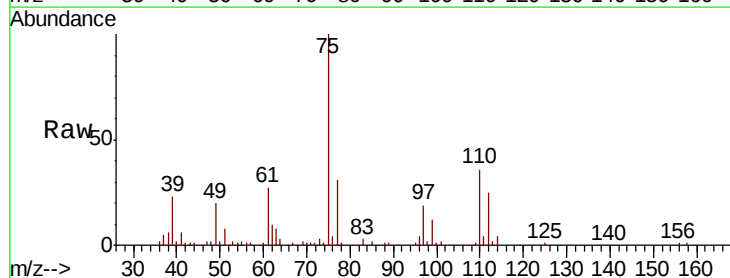
RT: 10.50 min Scan# 2900

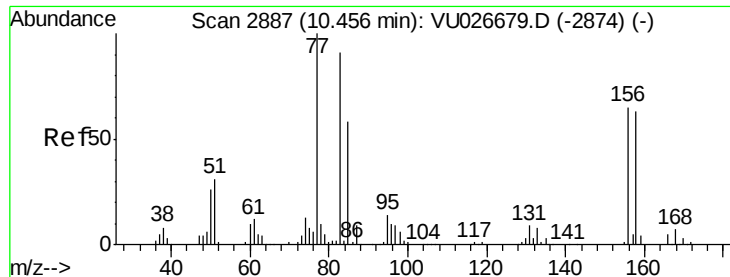
Delta R.T. 0.00 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

Tgt Ion	75	Resp	45853
Ion	Ratio	Lower	Upper
75	100		
77	37.0	21.1	63.1





#77

Bromobenzene

Concen: 19.72 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

VU0914MBS01

Tot Ion:156 Resp: 35686

Ion Ratio Lower Upper

156 100

77 156.8 77.6 232.9

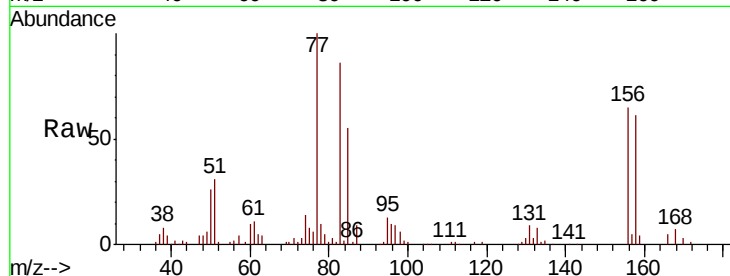
158 96.3 48.9 146.6

Manual Integrations

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MMDadoda

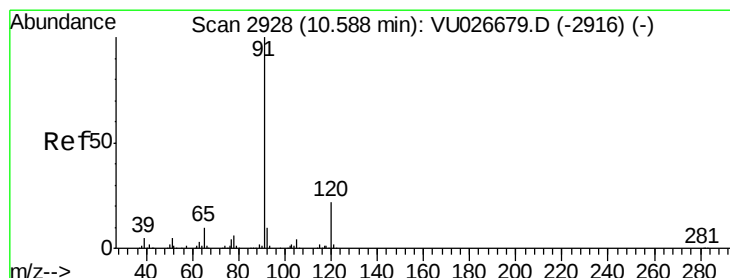
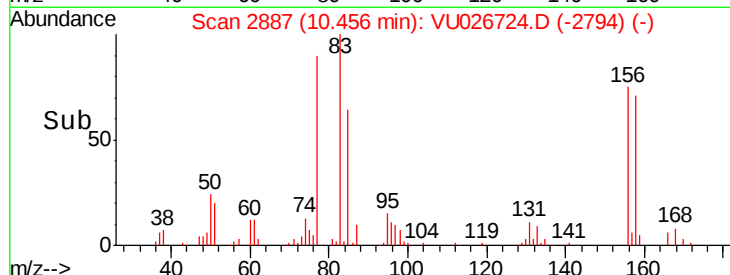
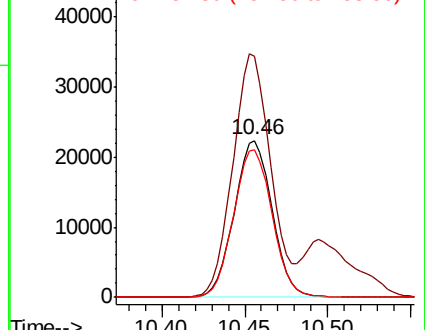
9/17/2018 11:34:57 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.29 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VU026724.D

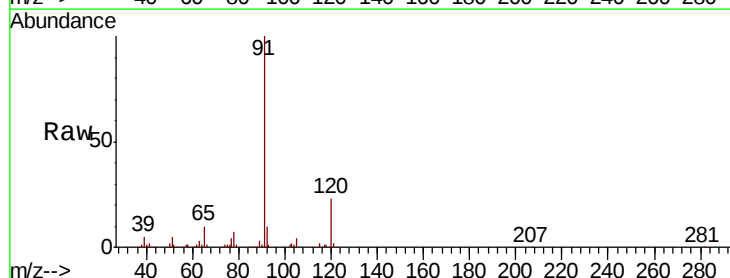
Acq: 13 Sep 2018 10:29

Tgt Ion: 91 Resp: 157098

Ion Ratio Lower Upper

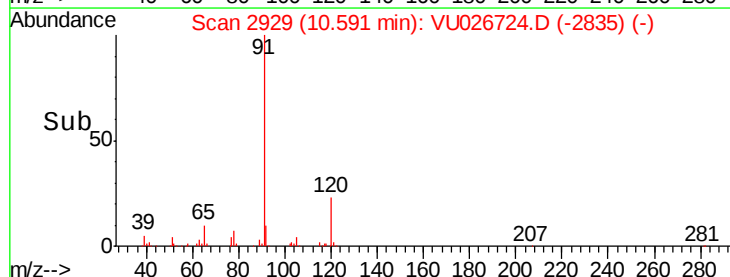
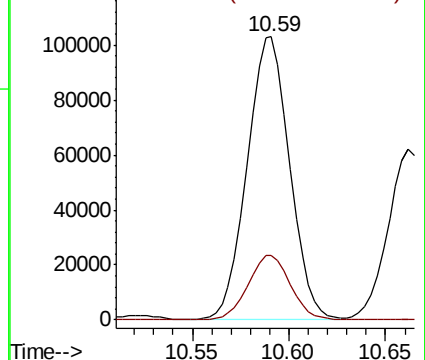
91 100

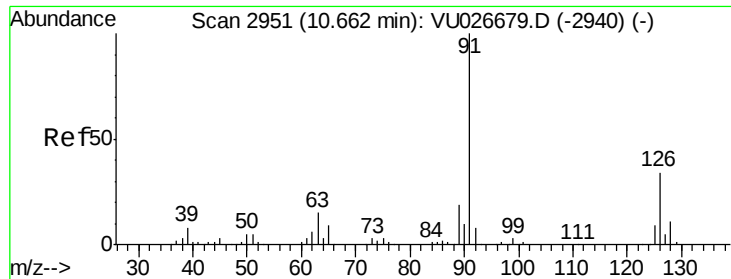
120 22.8 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





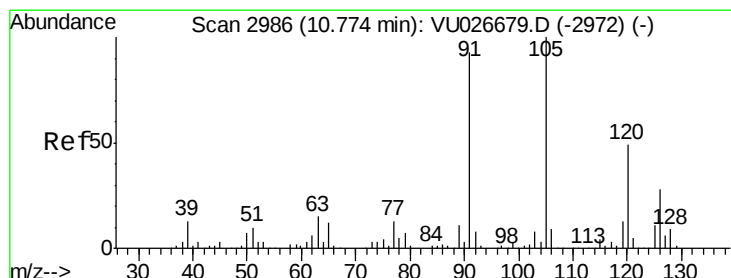
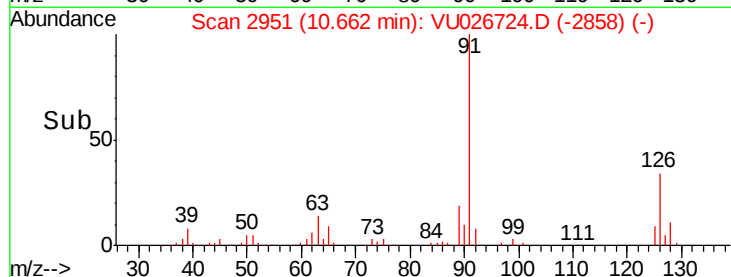
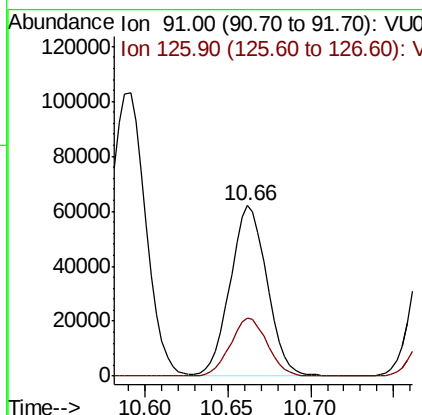
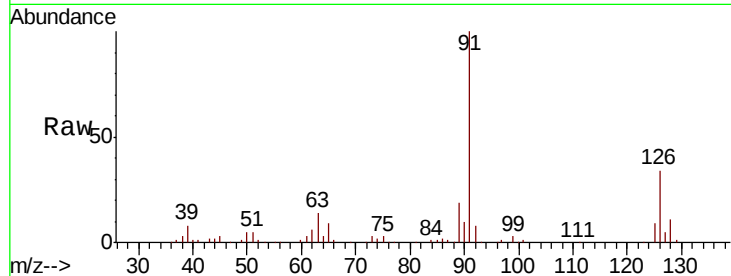
#79
 2-Chlorotoluene
 Concen: 19.86 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU026724.D
 Acq: 13 Sep 2018 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBS01

Tot Ion: 91 Resp: 95326
 Ion Ratio Lower Upper
 91 100
 126 34.2 17.3 51.7

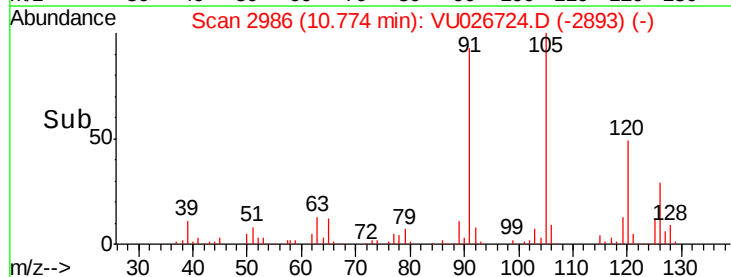
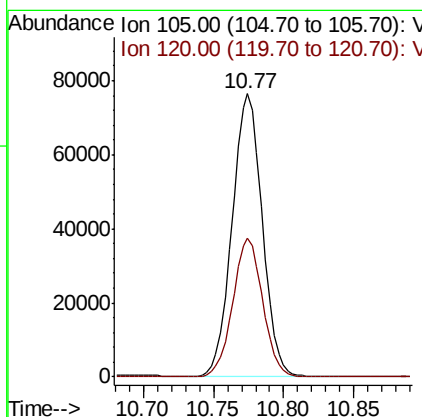
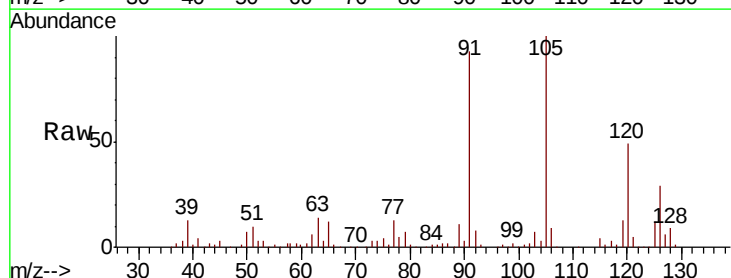
Manual Integrations
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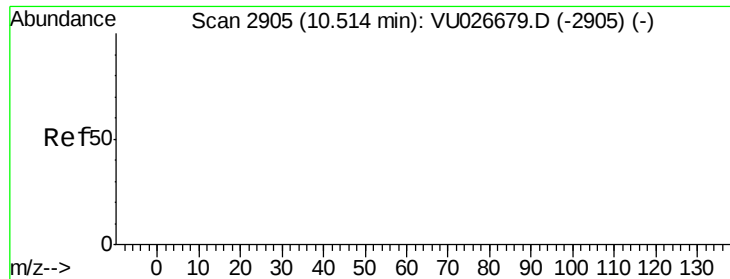
MMDadoda
 9/17/2018 11:34:57 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.45 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU026724.D
 Acq: 13 Sep 2018 10:29

Tgt Ion: 105 Resp: 114450
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.6 74.0





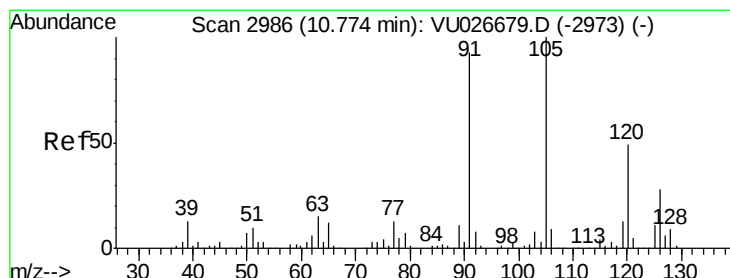
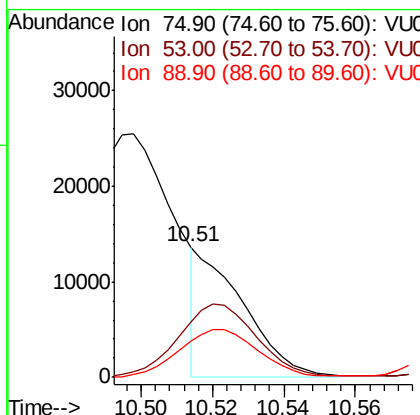
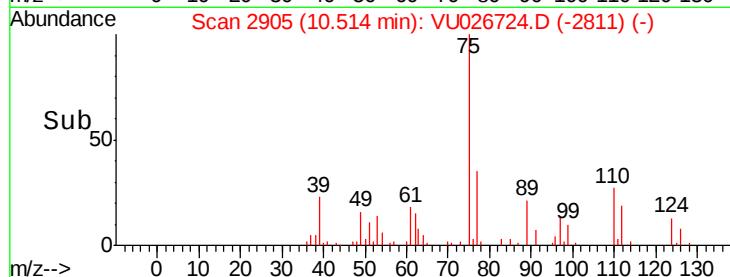
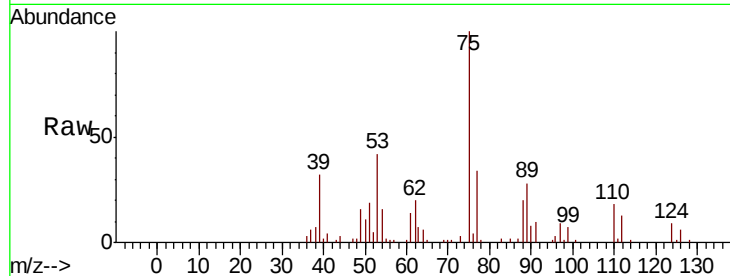
#81
trans-1,4-Dichloro-2-butene
Concen: 20.82 ug/l m
RT: 10.51 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

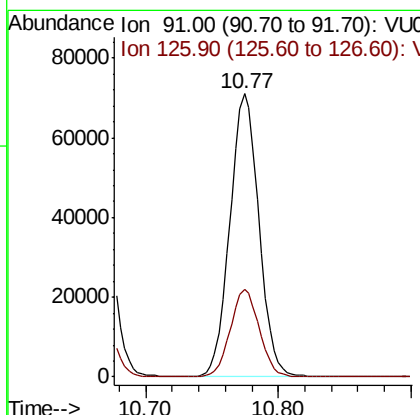
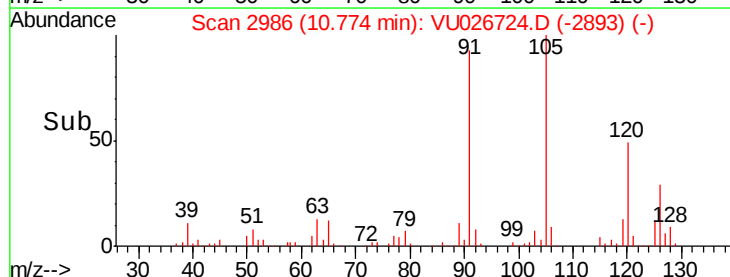
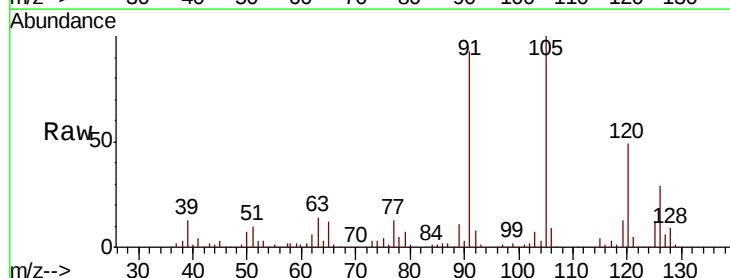
Manual Integrations
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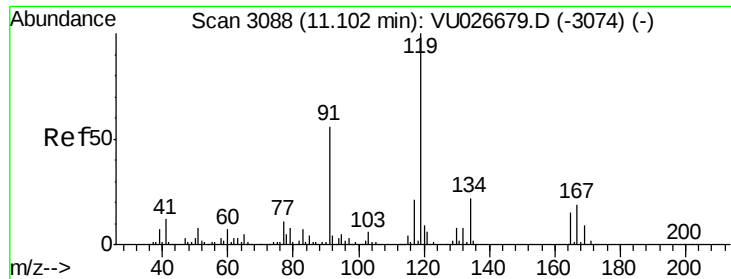
MMDadoda
9/17/2018 11:34:57 AM



#82
4-Chlorotoluene
Concen: 19.93 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.2	45.5





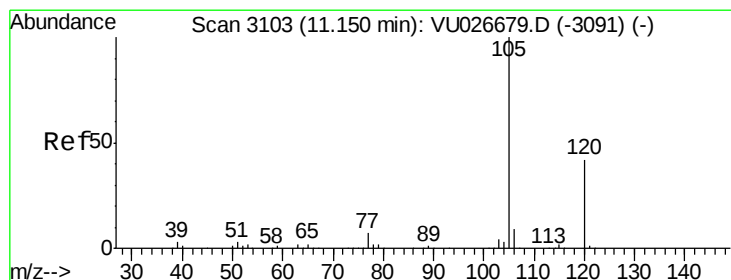
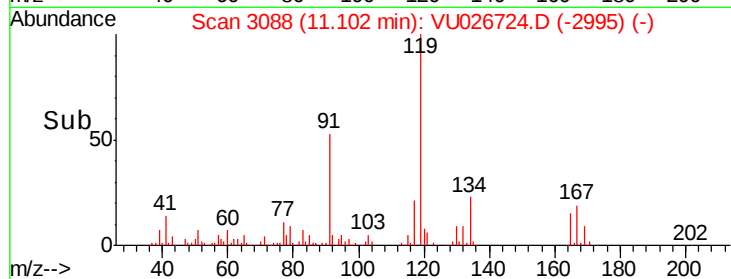
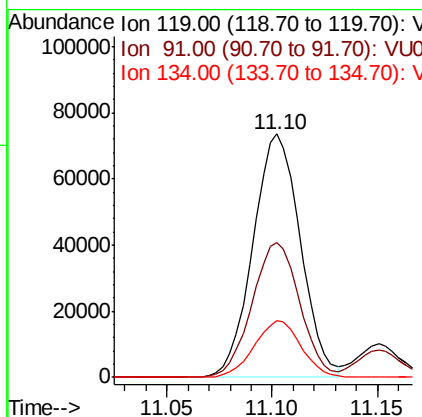
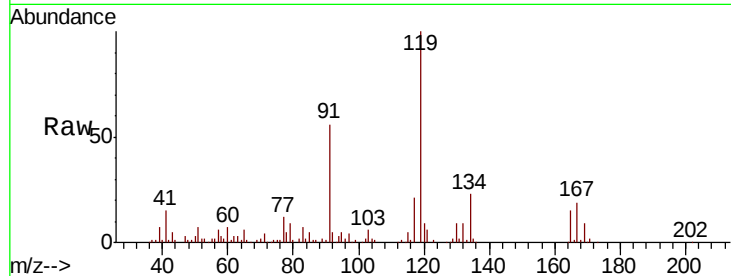
#83
tert-Butylbenzene
Concen: 20.25 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.9	28.3	85.0
134	22.8	11.2	33.5

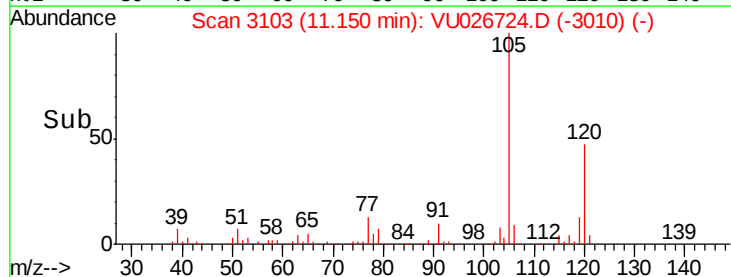
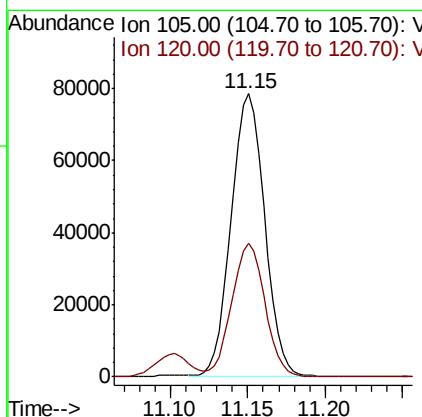
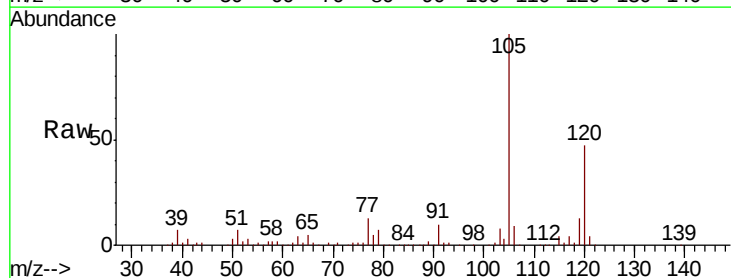
Manual Integrations
APPROVED

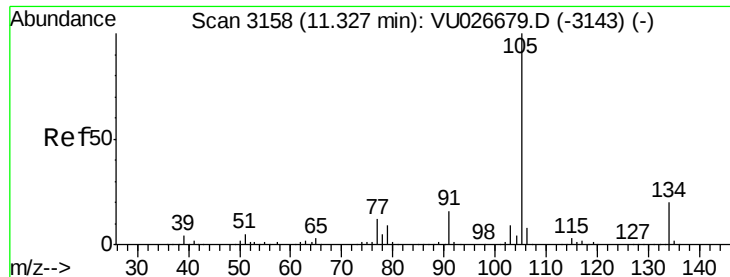
MMDadoda
9/17/2018 11:34:57 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.05 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.3	69.8





#85

sec-Butylbenzene

Concen: 20.70 ug/l

RT: 11.33 min Scan# 3158

Delta R.T. 0.00 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

VU0914MBS01

Tot Ion:105 Resp: 139614

Ion Ratio Lower Upper

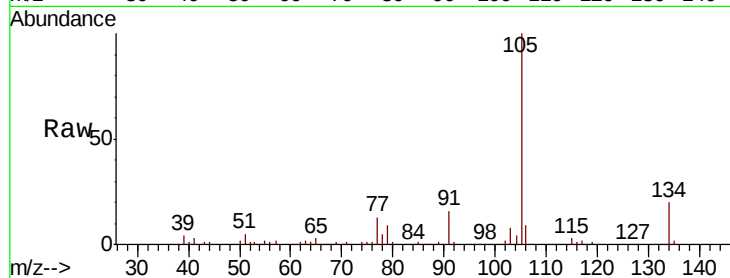
105 100

134 20.0 10.1 30.1

Manual Integrations
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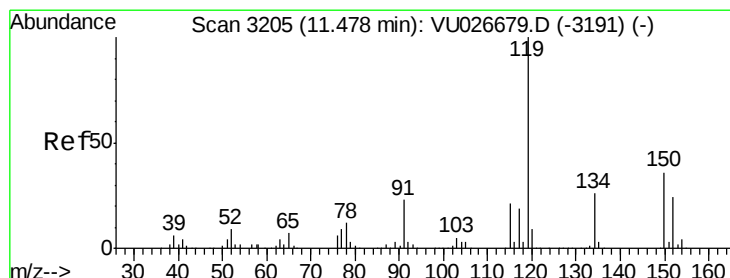
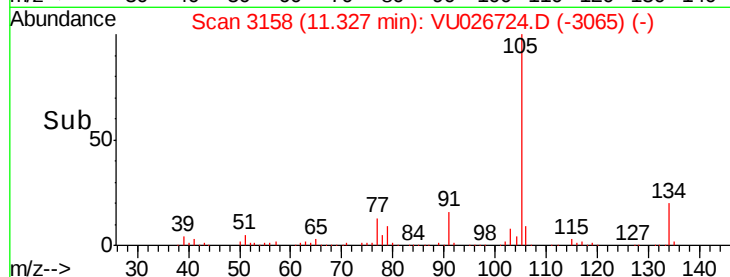
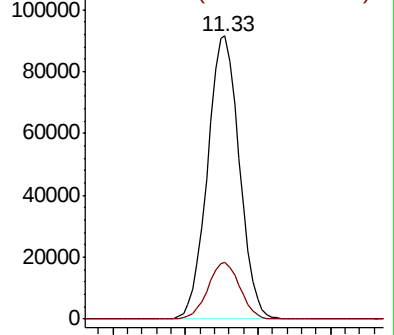
MMDadoda

9/17/2018 11:34:57 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.19 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU026724.D

Acq: 13 Sep 2018 10:29

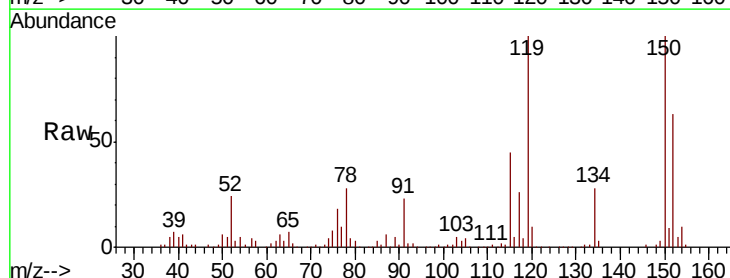
Tgt Ion:119 Resp: 120109

Ion Ratio Lower Upper

119 100

134 27.2 13.2 39.5

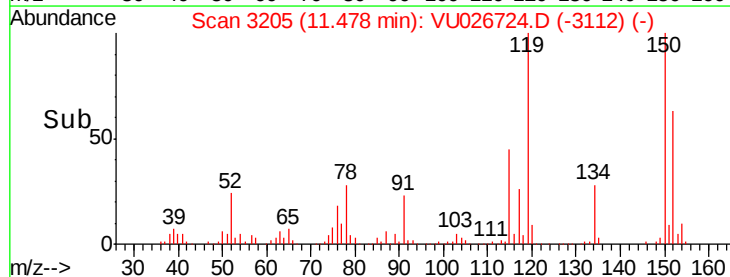
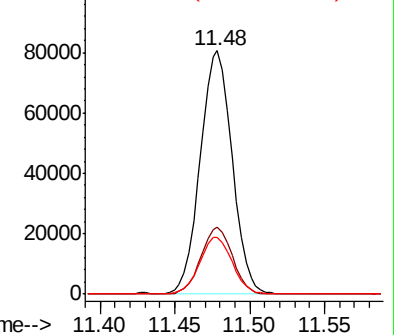
91 23.8 11.6 34.8

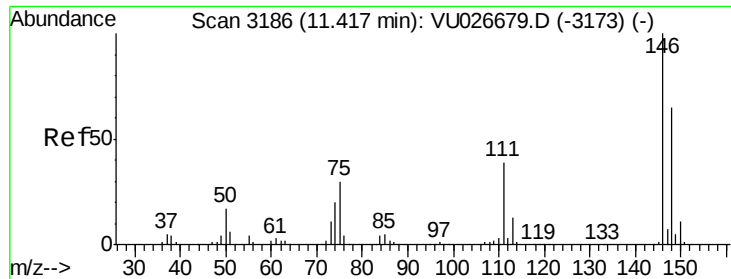


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU





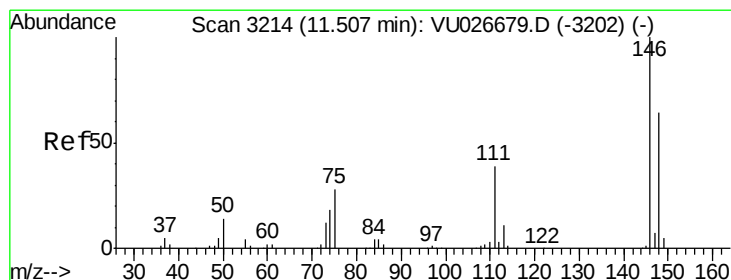
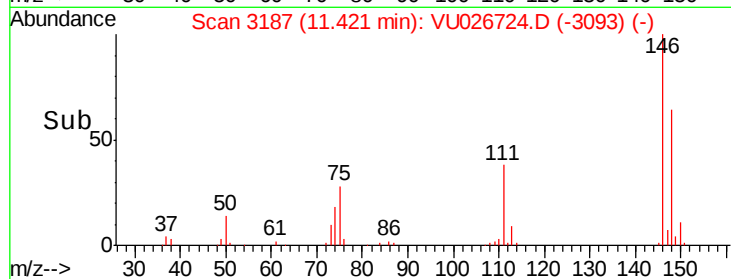
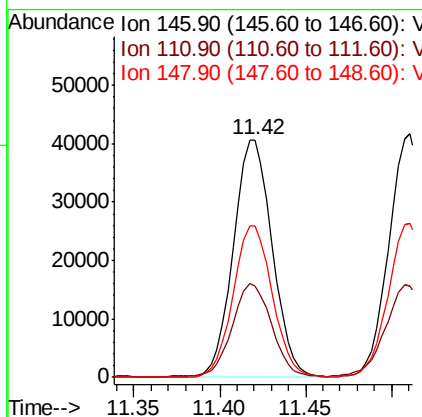
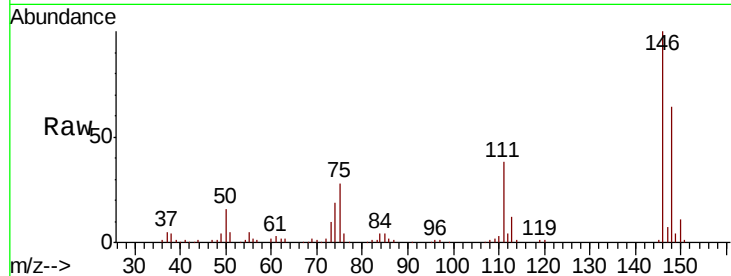
#87
 1,3-Dichlorobenzene
 Concen: 18.98 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU026724.D
 Acq: 13 Sep 2018 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.7	59.1
148	64.3	32.1	96.3

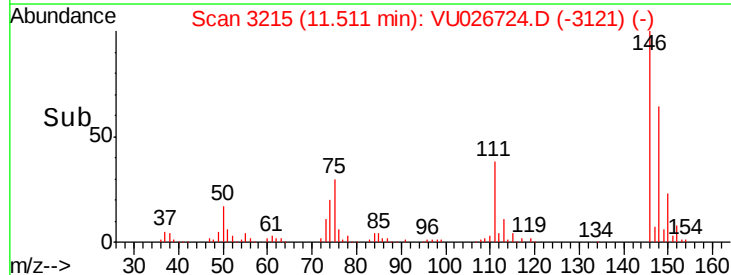
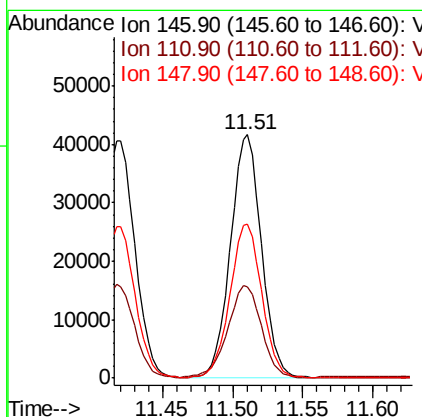
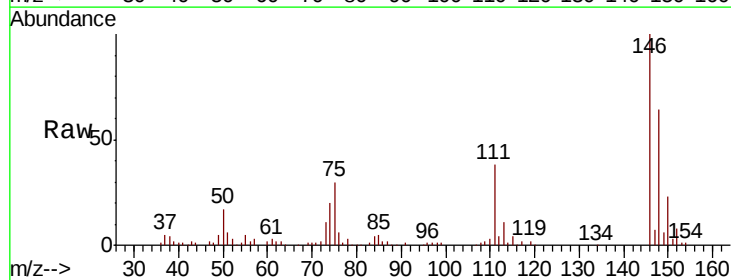
Manual Integrations
 APPROVED

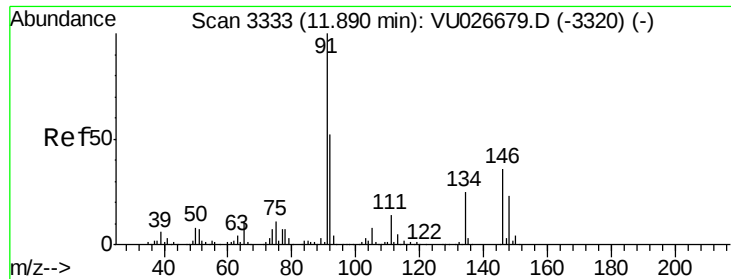
MMDadoda
 9/17/2018 11:34:57 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.31 ug/l
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026724.D
 Acq: 13 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	19.2	57.6
148	65.2	32.1	96.3





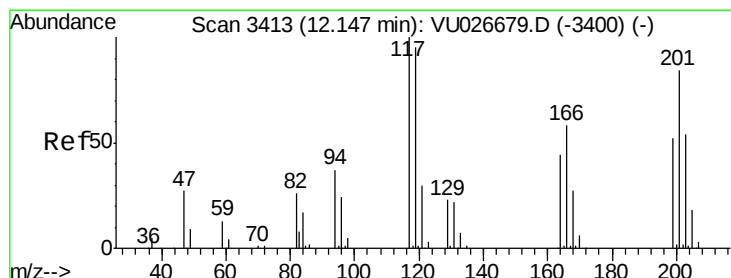
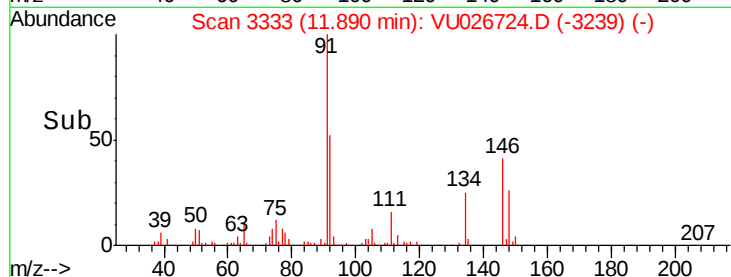
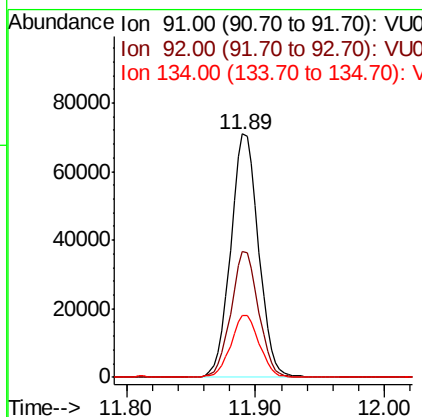
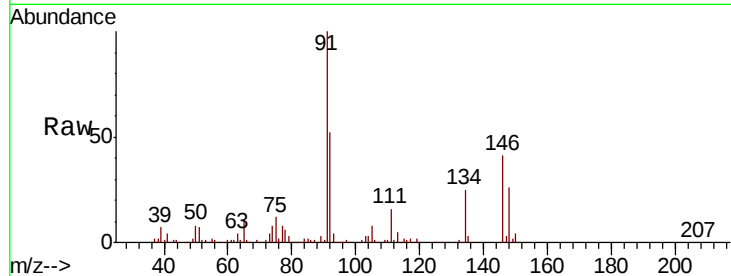
#89
n-Butylbenzene
Concen: 19.22 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.8	77.3
134	25.9	12.6	37.8

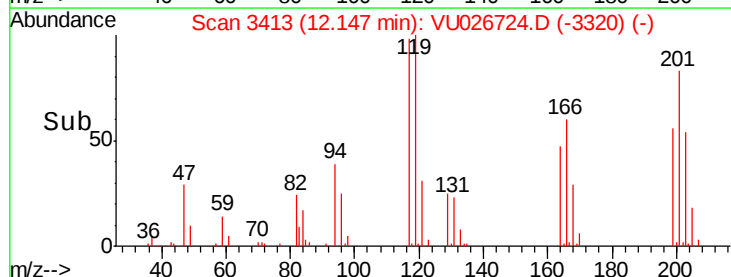
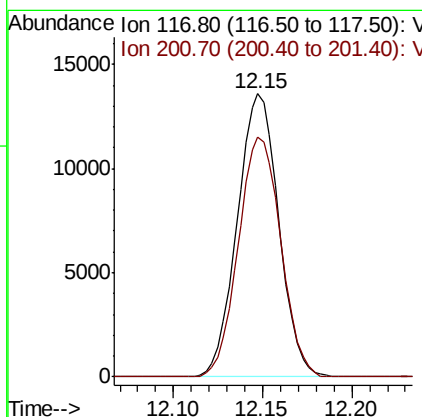
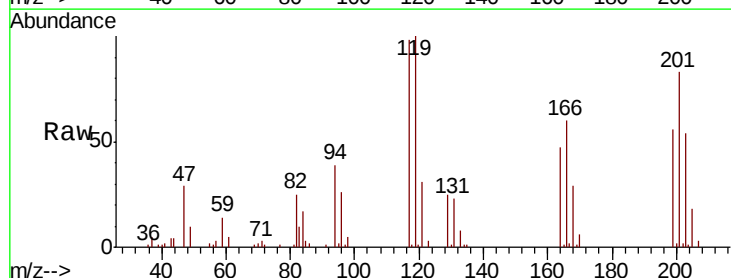
Manual Integrations
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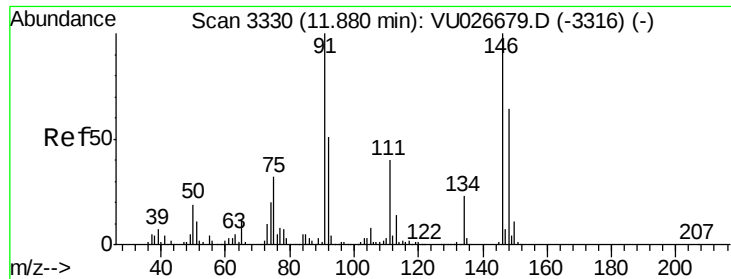
MMDadoda
9/17/2018 11:34:57 AM



#90
Hexachloroethane
Concen: 18.46 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.4	42.4	127.1





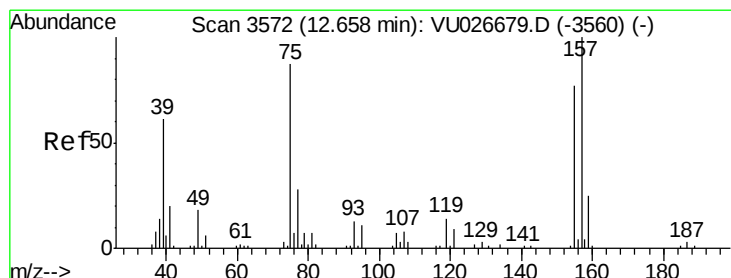
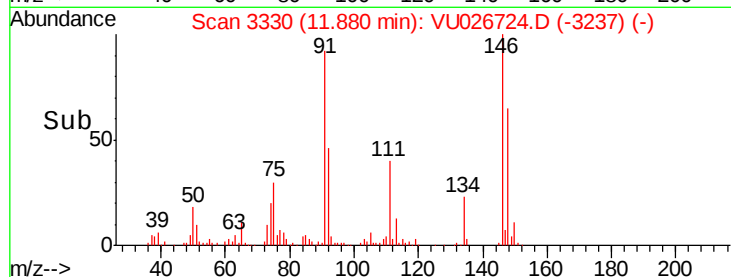
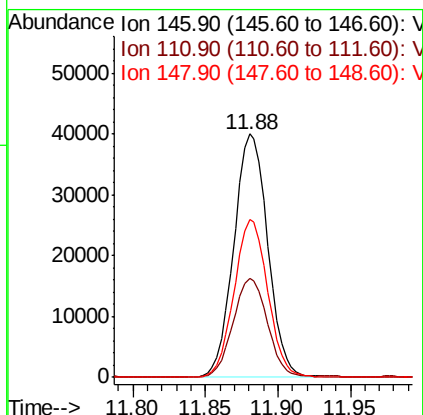
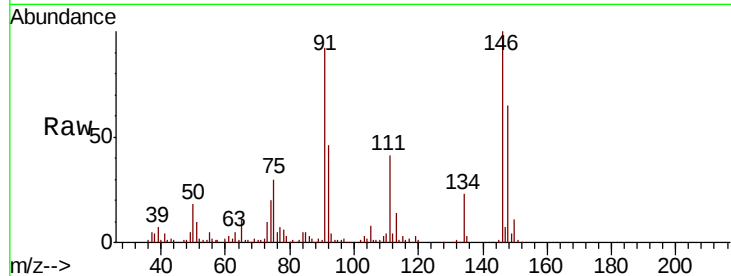
#91
 1,2-Dichlorobenzene
 Concen: 19.12 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026724.D
 Acq: 13 Sep 2018 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.3	60.8
148	64.3	32.1	96.3

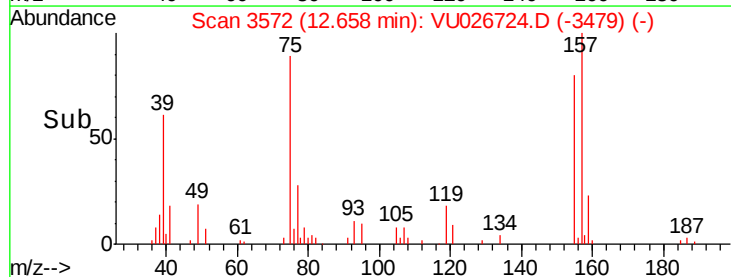
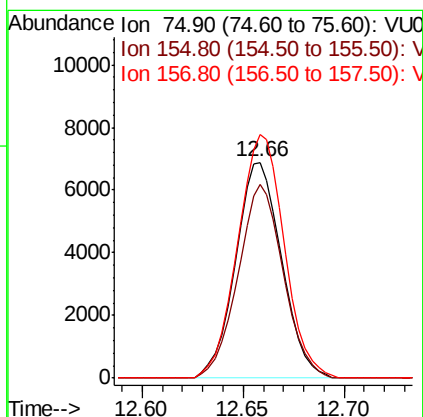
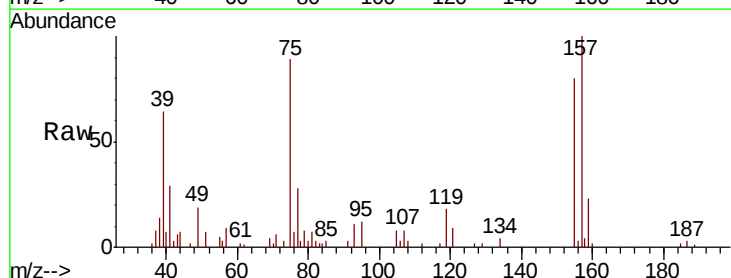
Manual Integrations
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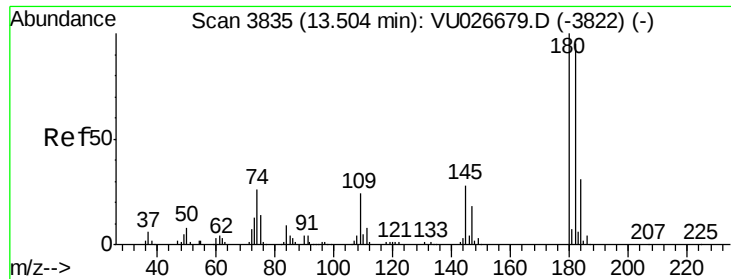
MMDadoda
 9/17/2018 11:34:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.19 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026724.D
 Acq: 13 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	44.1	132.4
157	114.3	57.2	171.6





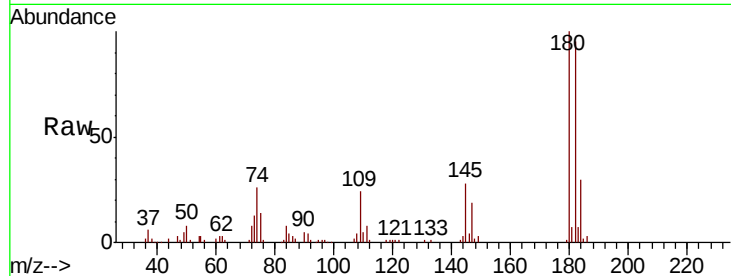
#93
 1,2,4-Trichlorobenzene
 Concen: 19.72 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026724.D
 Acq: 13 Sep 2018 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.7
145	27.6	14.0	42.0

Manual Integrations
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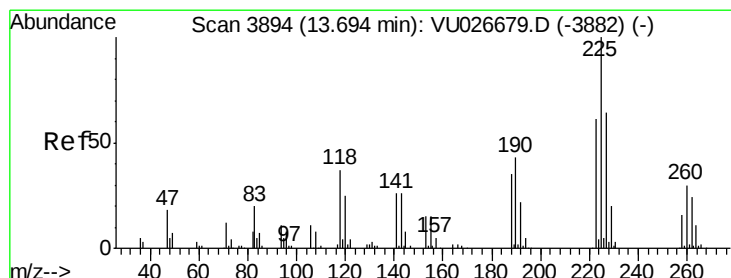
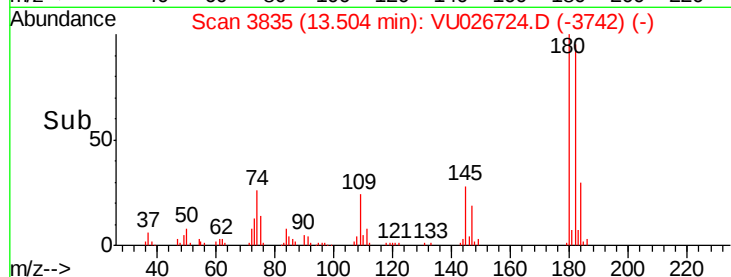
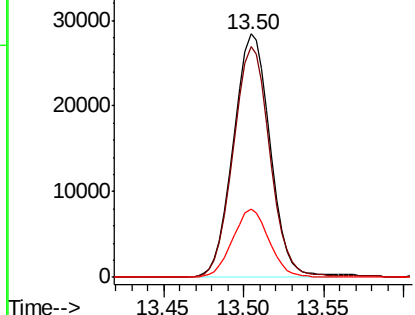


Abundance

Ion 179.80 (179.50 to 180.50): V

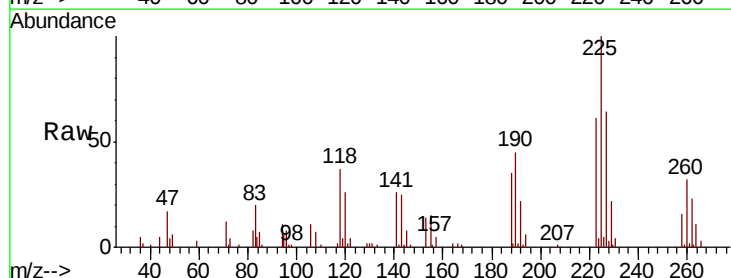
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.54 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU026724.D
 Acq: 13 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.1	30.6	92.0
227	63.1	32.1	96.3

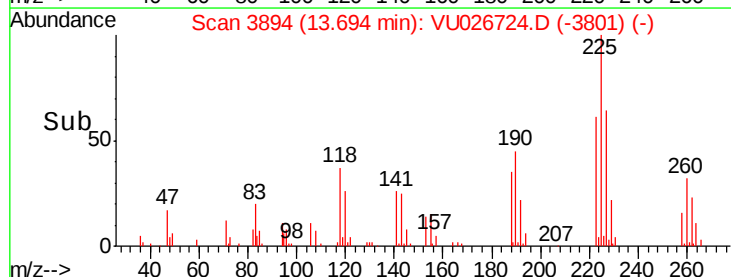
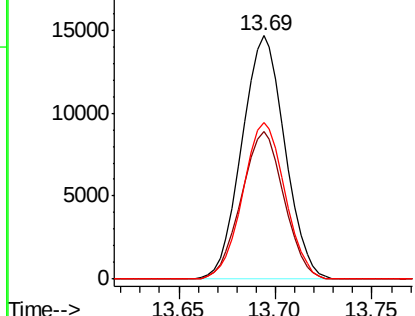


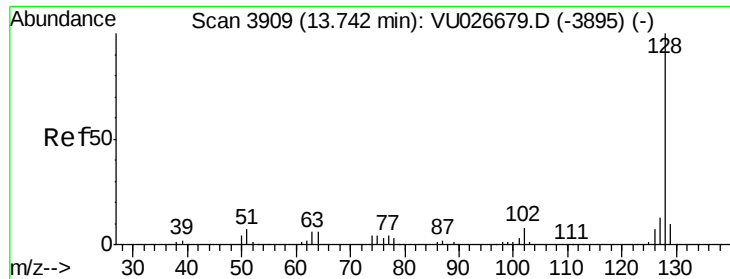
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





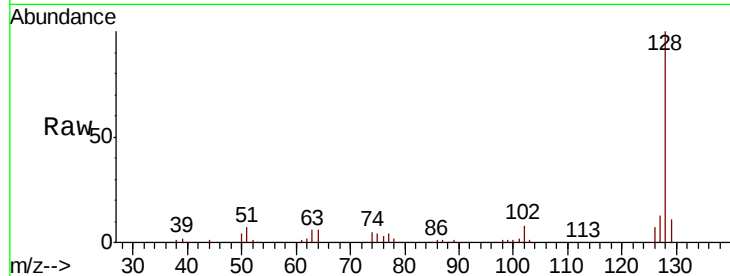
#95
Naphthalene
Concen: 19.17 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	140542		
127	12.9		10.4	15.6
129	10.8		8.6	12.8

Manual Integrations
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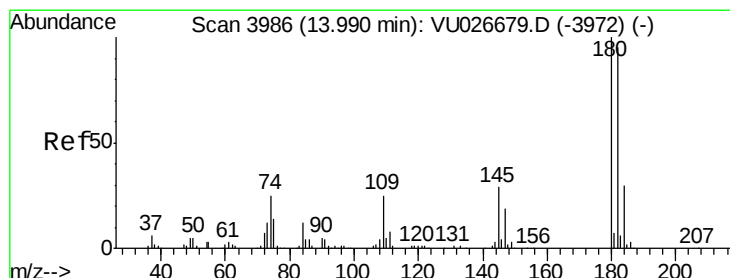
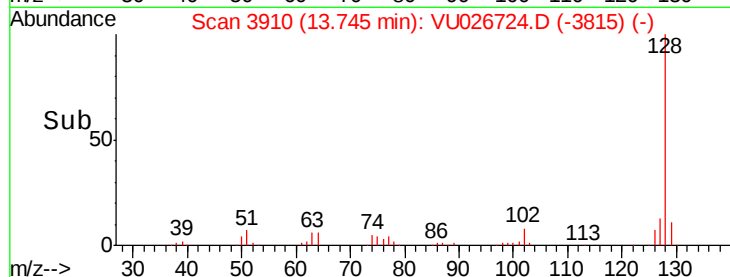
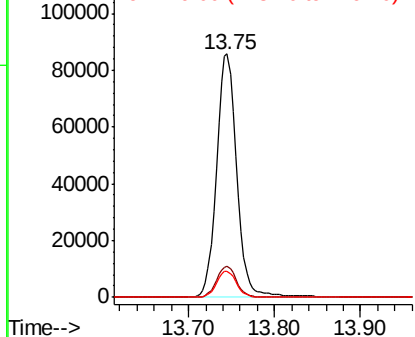


Abundance

Ion 128.00 (127.70 to 128.70): V

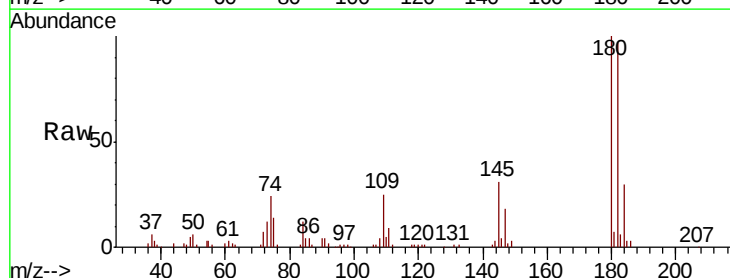
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.86 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026724.D
Acq: 13 Sep 2018 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	46772		
182	96.1		47.9	143.7
145	31.0		14.9	44.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

