

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091418\
 Data File : VU026725.D
 Acq On : 13 Sep 2018 11:06
 Operator : MD/SY
 Sample : VU0914MBSD01
 Misc : 5.00µ/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBSD01

Manual Integrations
 APPROVED

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

Quant Time: Sep 14 01:12:07 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	4.98	168	112721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	170971	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	163361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	95250	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	83796	49.01	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.02%		
35) Dibromofluoromethane	4.88	113	68365	49.02	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.04%		
50) Toluene-d8	7.57	98	248855	48.25	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.50%		
62) 4-Bromofluorobenzene	10.31	95	88638	47.41	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.82%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	21330	17.51	ug/l	100
3) Chloromethane	1.33	50	28627	16.82	ug/l	98
4) Vinyl Chloride	1.40	62	31400	17.81	ug/l	100
5) Bromomethane	1.62	94	17659	15.99	ug/l	99
6) Chloroethane	1.69	64	19822	17.66	ug/l	98
7) Trichlorofluoromethane	1.88	101	41668	18.08	ug/l	99
8) Diethyl Ether	2.10	74	19319	19.13	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	25840	18.88	ug/l	99
10) Methyl Iodide	2.41	142	15487	19.39	ug/l	99
11) Tert butyl alcohol	2.83	59	36414	87.37	ug/l	100
12) 1,1-Dichloroethene	2.28	96	24130	18.65	ug/l	99
13) Acrolein	2.19	56	17276	61.51	ug/l	97
14) Allyl chloride	2.59	41	40613	17.42	ug/l	100
15) Acrylonitrile	2.93	53	85797	95.99	ug/l	99
16) Acetone	2.32	43	78732	81.33	ug/l	99
17) Carbon Disulfide	2.48	76	68428	16.62	ug/l	100
18) Methyl Acetate	2.61	43	42117	20.16	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	87234	19.58	ug/l	99
20) Methylene Chloride	2.70	84	28916	18.41	ug/l	94
21) trans-1,2-Dichloroethene	2.98	96	25357	18.60	ug/l	95
22) Diisopropyl ether	3.57	45	95705	19.67	ug/l	97
23) Vinyl Acetate	3.52	43	400013	96.81	ug/l	100
24) 1,1-Dichloroethane	3.44	63	51852	18.90	ug/l	99
25) 2-Butanone	4.26	43	116239	89.14	ug/l	98
26) 2,2-Dichloropropane	4.22	77	41129	18.23	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	30116	19.17	ug/l	98
28) Bromochloromethane	4.55	49	22878	17.44	ug/l	97
29) Tetrahydrofuran	4.64	42	75345	95.83	ug/l	99
30) Chloroform	4.68	83	50767	18.81	ug/l	99
31) Cyclohexane	5.00	56	45475	18.03	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	42158	18.87	ug/l	99
36) 1,1-Dichloropropene	5.14	75	36025	18.77	ug/l	99
37) Ethyl Acetate	4.38	43	42623	18.46	ug/l	99
38) Carbon Tetrachloride	5.14	117	37006	18.25	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	43277	18.99	ug/l	95
40) Benzene	5.39	78	110933	18.61	ug/l	100
41) Methacrylonitrile	4.54	41	23589	18.61	ug/l	98
42) 1,2-Dichloroethane	5.40	62	41225	19.39	ug/l	100
43) Isopropyl Acetate	5.55	43	68005	19.35	ug/l	99
44) Trichloroethene	6.19	130	27743	18.80	ug/l	99
45) 1,2-Dichloropropane	6.43	63	31306	19.32	ug/l	96
46) Dibromomethane	6.56	93	20538	19.64	ug/l	96
47) Bromodichloromethane	6.76	83	39376	19.12	ug/l	99
48) Methyl methacrylate	6.62	41	34060	18.90	ug/l	99
49) 1,4-Dioxane	6.61	88	16170	386.09	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	222757	94.75	ug/l	100
52) Toluene	7.64	92	68523	19.30	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	43883	19.21	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	47242	19.26	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	29927	19.67	ug/l	99
56) Ethyl methacrylate	8.02	69	43337	18.80	ug/l	99
57) 1,3-Dichloropropane	8.24	76	50606	19.52	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	105237	92.07	ug/l	98
59) 2-Hexanone	8.36	43	169620	91.67	ug/l	100
60) Dibromochloromethane	8.48	129	31280	18.98	ug/l	98
61) 1,2-Dibromoethane	8.59	107	31607	19.15	ug/l	99
64) Tetrachloroethene	8.23	164	25395	19.53	ug/l	98
65) Chlorobenzene	9.12	112	77422	19.08	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	28625	19.17	ug/l	98
67) Ethyl Benzene	9.25	91	128033	19.15	ug/l	97
68) m/p-Xylenes	9.38	106	99656	39.18	ug/l	99
69) o-Xylene	9.78	106	47630	18.33	ug/l	97
70) Styrene	9.79	104	77916	18.25	ug/l	98
71) Bromoform	9.96	173	25505	19.64	ug/l #	97
73) Isopropylbenzene	10.17	105	129453	19.94	ug/l	100
74) N-amyl acetate	10.02	43	60086	19.61	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	49421	18.68	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	39377m	18.46	ug/l	
77) Bromobenzene	10.46	156	33996	19.27	ug/l	100
78) n-propylbenzene	10.59	91	151633	20.09	ug/l	100
79) 2-Chlorotoluene	10.66	91	91062	19.46	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	108638	19.91	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	14910m	25.50	ug/l	
82) 4-Chlorotoluene	10.77	91	105692	20.10	ug/l	100
83) tert-Butylbenzene	11.10	119	108763	19.64	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	113149	20.56	ug/l	99
85) sec-Butylbenzene	11.33	105	132646	20.17	ug/l	100
86) p-Isopropyltoluene	11.48	119	116844	19.15	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	61729	18.76	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	62773	18.37	ug/l	99
89) n-Butylbenzene	11.89	91	101040	18.80	ug/l	99
90) Hexachloroethane	12.15	117	21281	18.34	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	62777	18.96	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10438	19.68	ug/l	98

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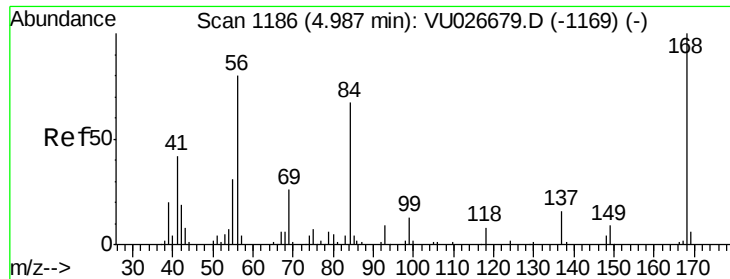
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	44644	20.31	ug/l	98
94) Hexachlorobutadiene	13.69	225	22498	19.89	ug/l	99
95) Naphthalene	13.75	128	137330	19.21	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	45944	20.01	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU026725.D

Acq: 13 Sep 2018 11:06

Instrument :

MSVOA_U

ClientSampleId :

VU0914MBSD01

Tot Ion:168 Resp: 112721

Ion Ratio Lower Upper

168 100

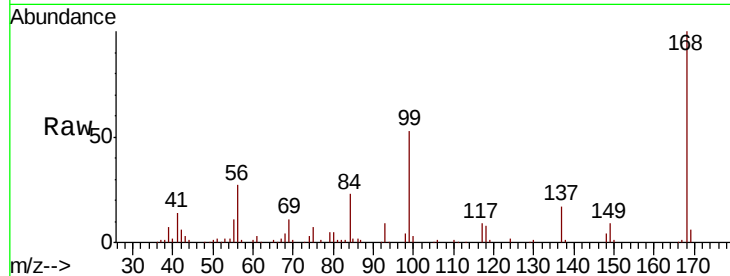
99 52.6 42.0 63.0

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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) (-)

4.98

50000

40000

30000

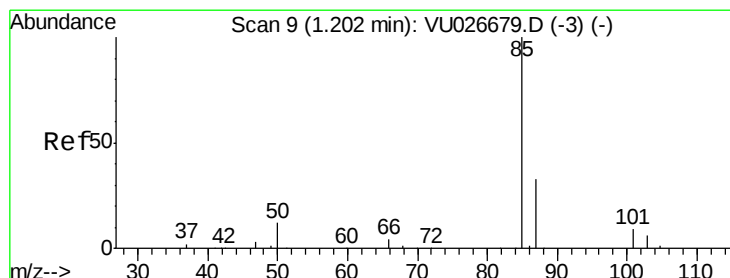
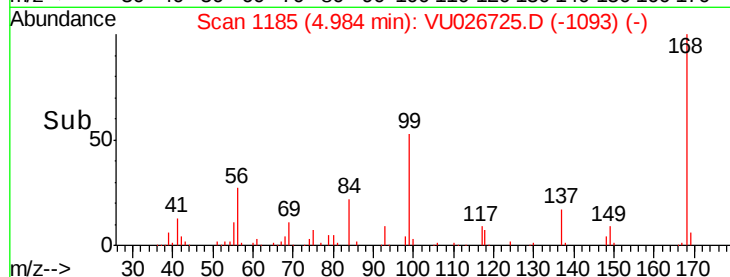
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 17.51 ug/l

RT: 1.20 min Scan# 9

Delta R.T. 0.00 min

Lab File: VU026725.D

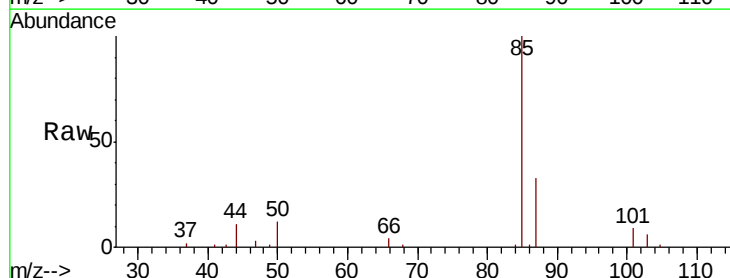
Acq: 13 Sep 2018 11:06

Tgt Ion: 85 Resp: 21330

Ion Ratio Lower Upper

85 100

87 33.0 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) (-)

1.20

20000

15000

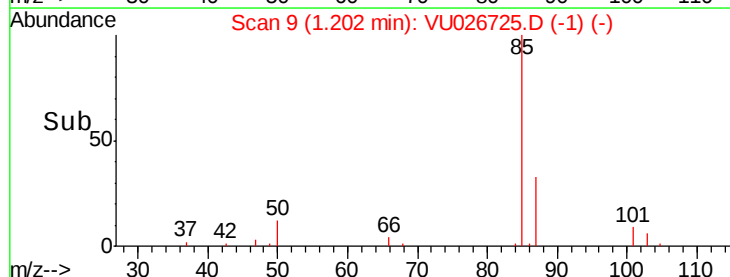
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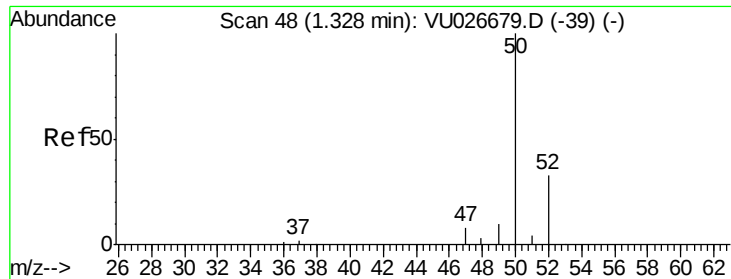
5000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 16.82 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026725.D

Acq: 13 Sep 2018 11:06

Instrument :

MSVOA_U

ClientSampleId :

VU0914MBSD01

Tot Ion: 50 Resp: 28627

Ion Ratio Lower Upper

50 100

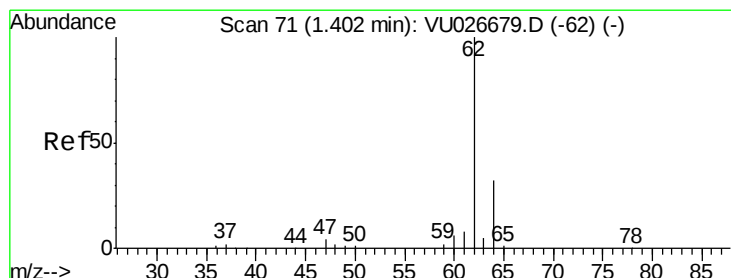
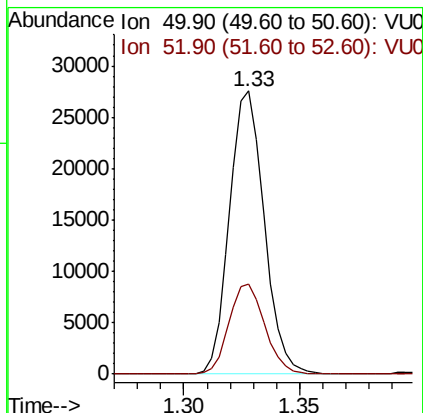
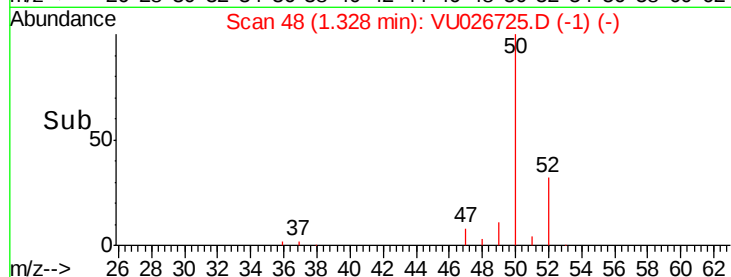
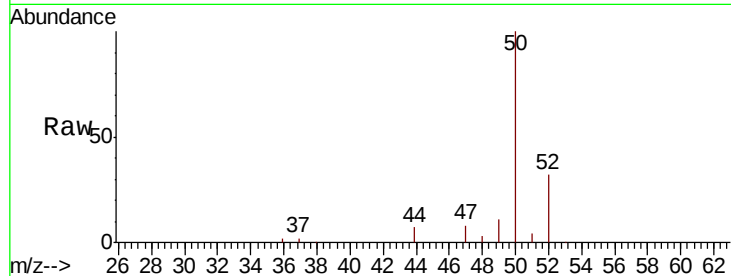
52 31.7 26.3 39.5

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#4

Vinyl Chloride

Concen: 17.81 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026725.D

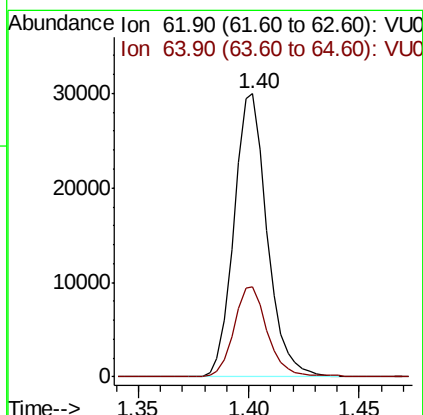
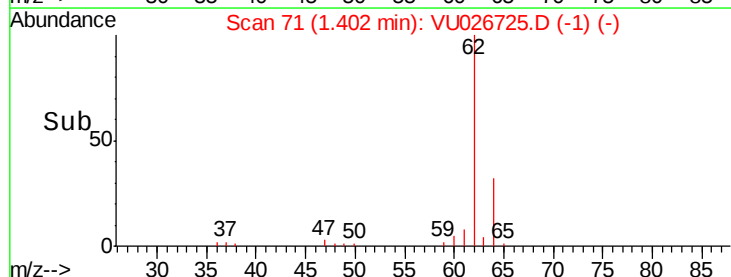
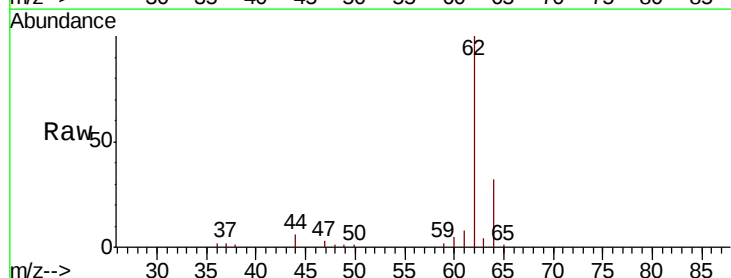
Acq: 13 Sep 2018 11:06

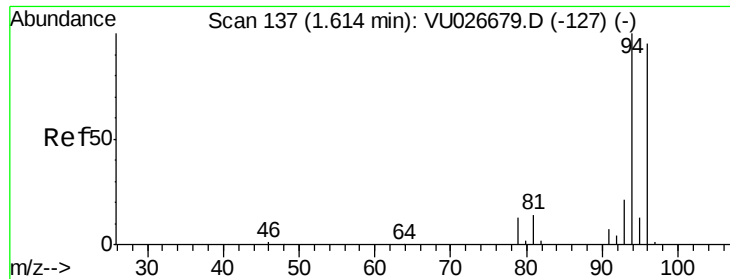
Tgt Ion: 62 Resp: 31400

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 15.99 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.01 min

Lab File: VU026725.D

Acq: 13 Sep 2018 11:06

Instrument :

MSVOA_U

ClientSampleId :

VU0914MBSD01

Tot Ion: 94 Resp: 17659

Ion Ratio Lower Upper

94 100

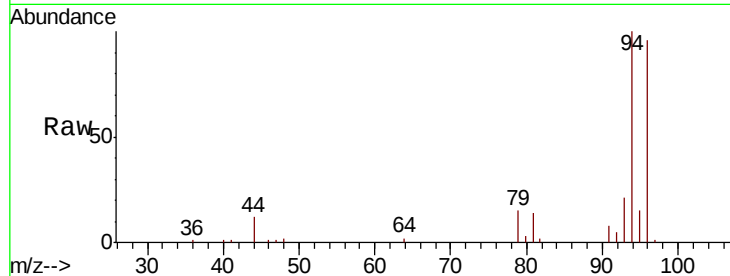
96 95.7 75.8 113.6

Manual Integrations

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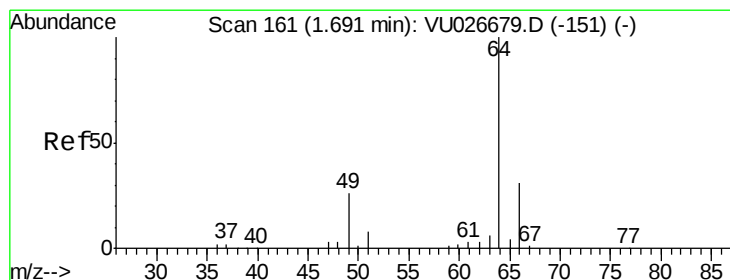
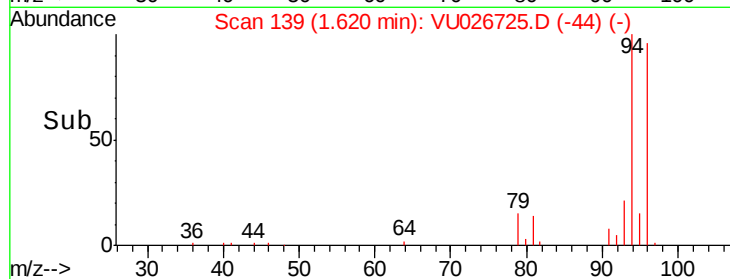
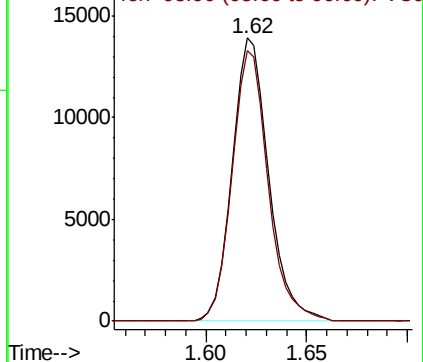
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 17.66 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU026725.D

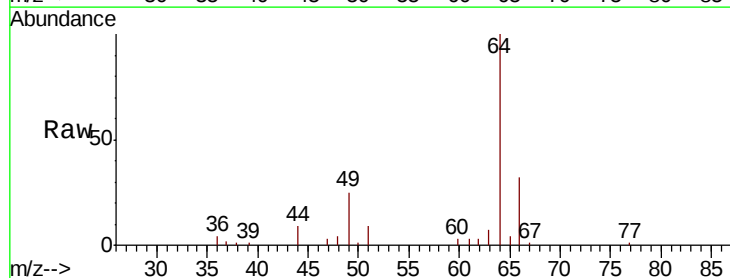
Acq: 13 Sep 2018 11:06

Tgt Ion: 64 Resp: 19822

Ion Ratio Lower Upper

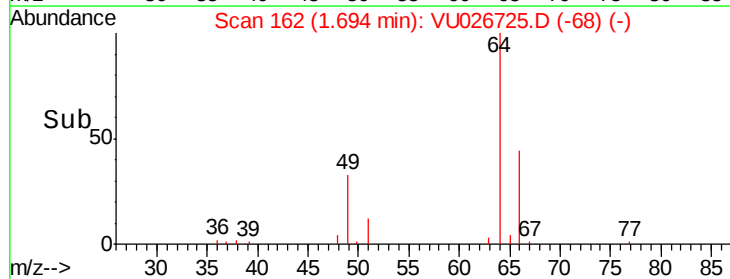
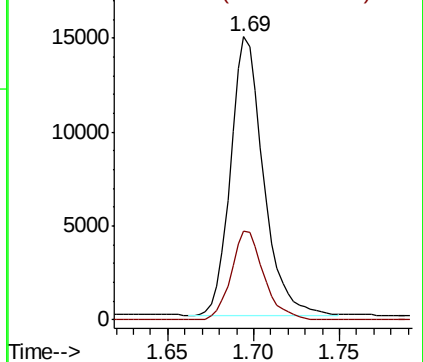
64 100

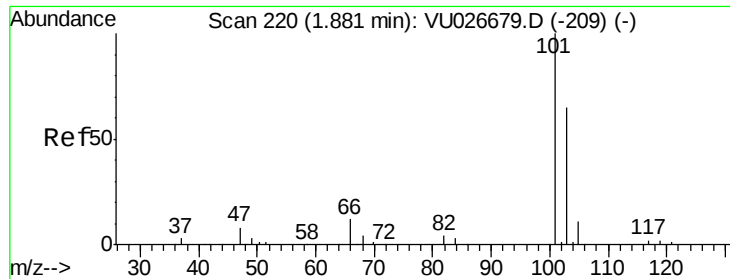
66 32.1 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

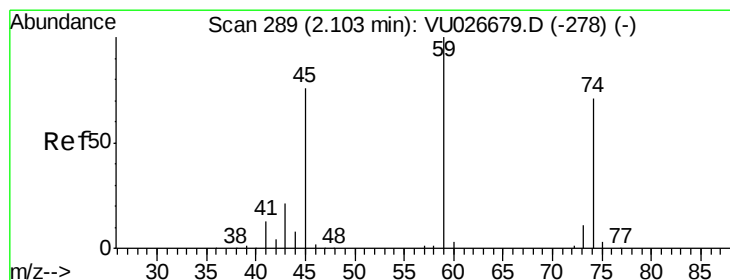
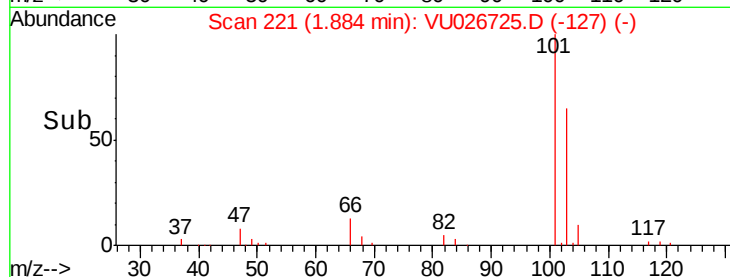
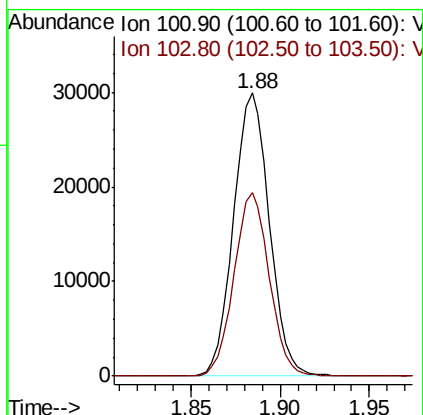
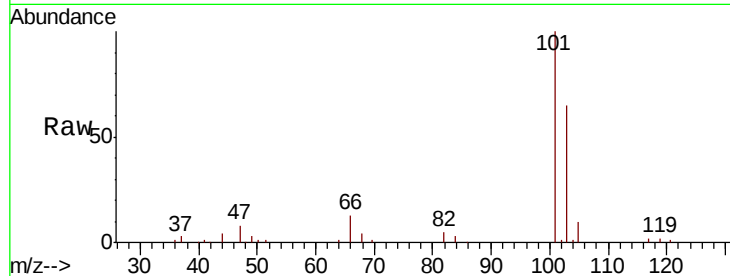
Trichlorofluoromethane
 Concen: 18.08 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Instrument :
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 ClientSampleID :
 VU0914MBSD01

Tot Ion:101 Resp: 41668
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.7 77.5

Manual Integrations
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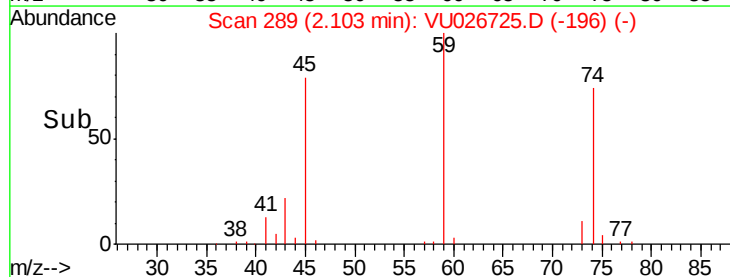
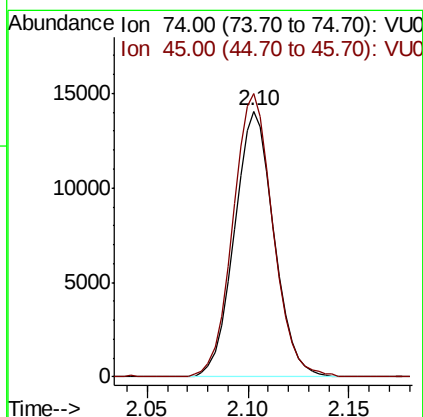
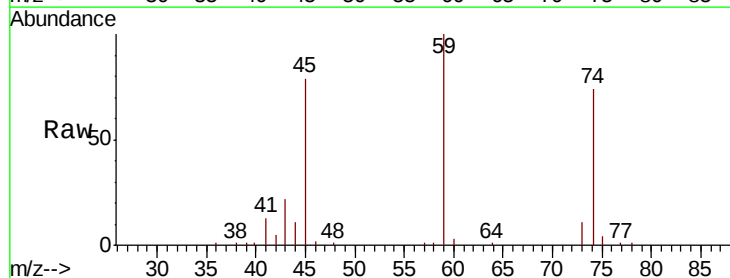
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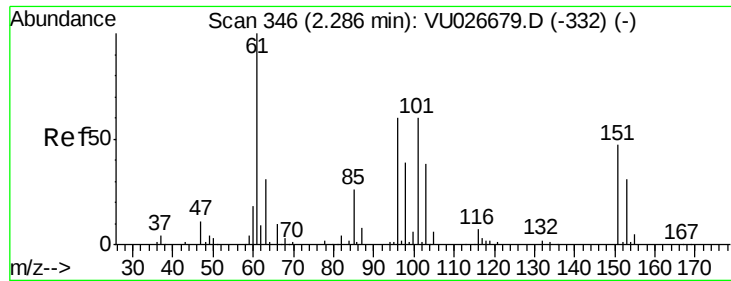


#8

Diethyl Ether
 Concen: 19.13 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Tgt Ion: 74 Resp: 19319
 Ion Ratio Lower Upper
 74 100
 45 107.8 53.6 160.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.88 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026725.D

Acq: 13 Sep 2018 11:06

Instrument :

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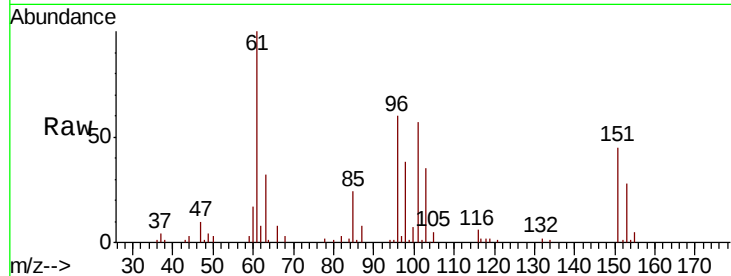
ClientSampleId :

VU0914MBSD01

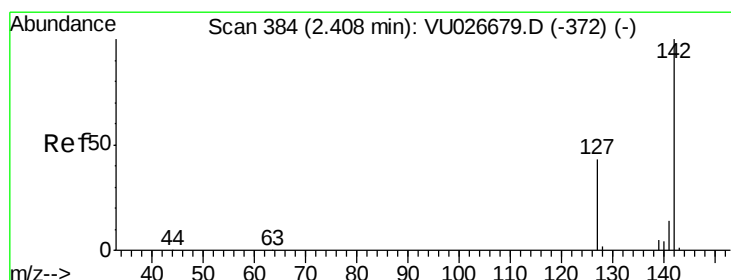
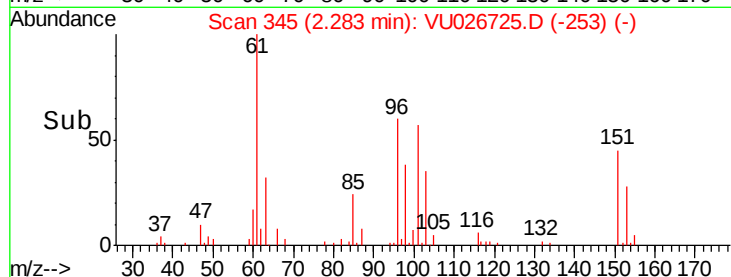
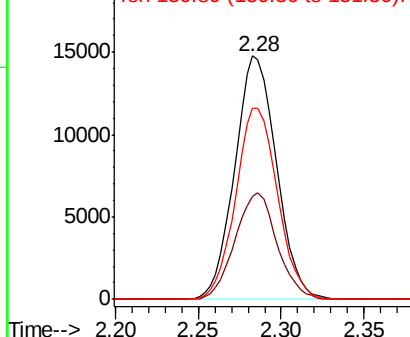
Tot Ion:	101	Resp:	25840
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.6	52.0
151	79.1	62.7	94.1

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.39 ug/l

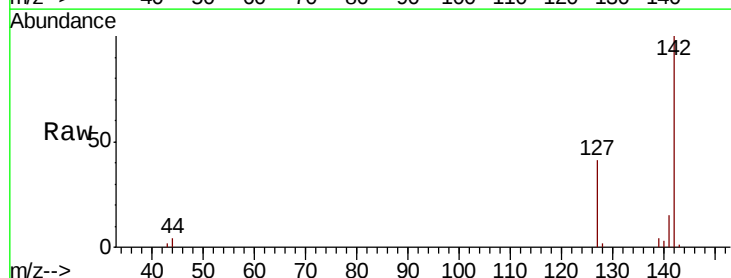
RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

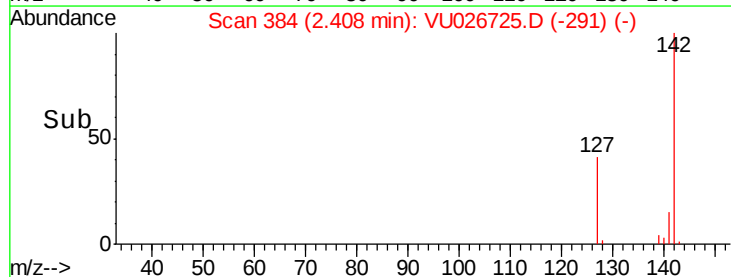
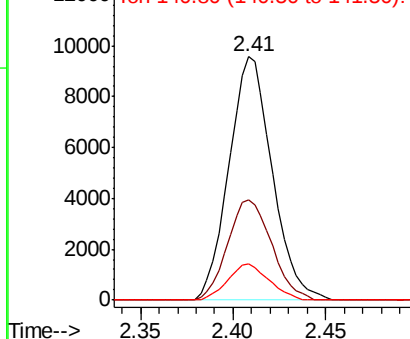
Lab File: VU026725.D

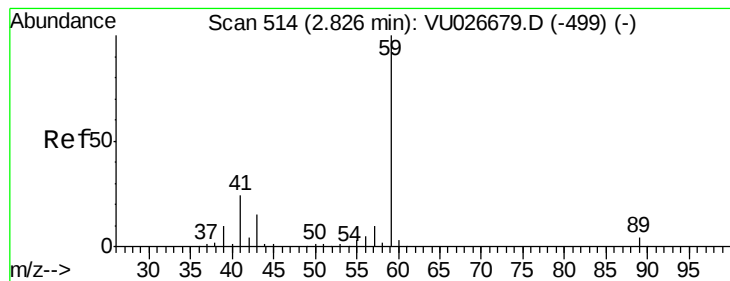
Acq: 13 Sep 2018 11:06

Tgt Ion:	142	Resp:	15487
Ion Ratio	Lower	Upper	
142	100		
127	41.8	34.1	51.1
141	14.1	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

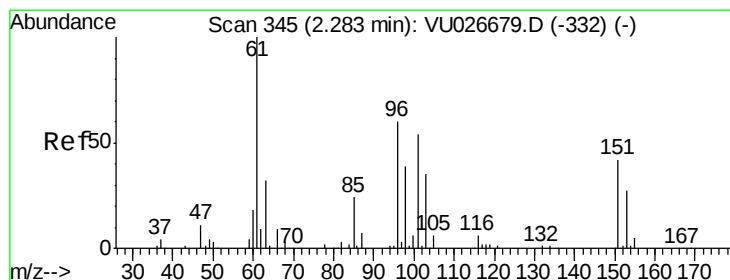
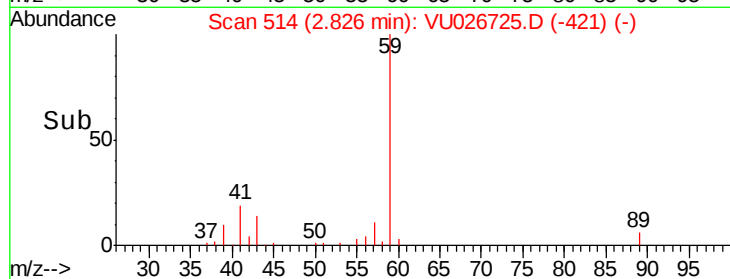
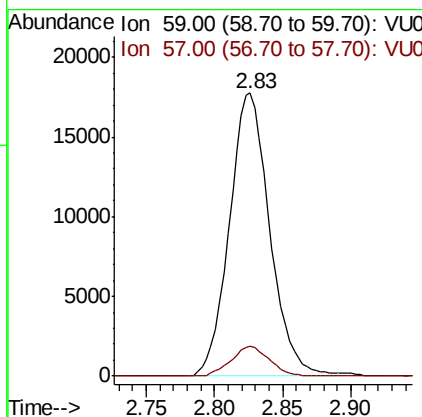
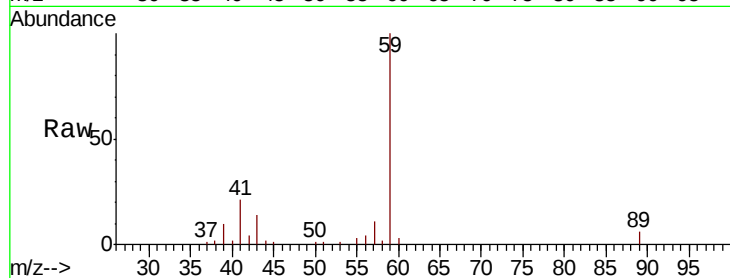
Tert butyl alcohol
 Concen: 87.37 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. 0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.0	12.0

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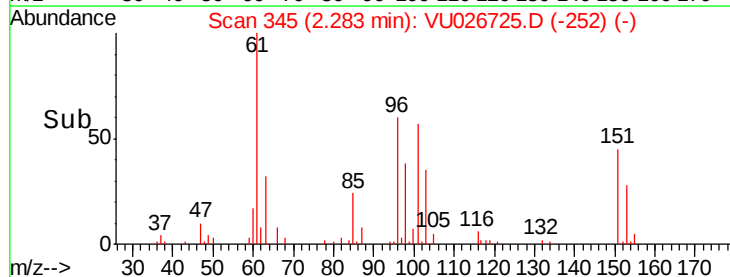
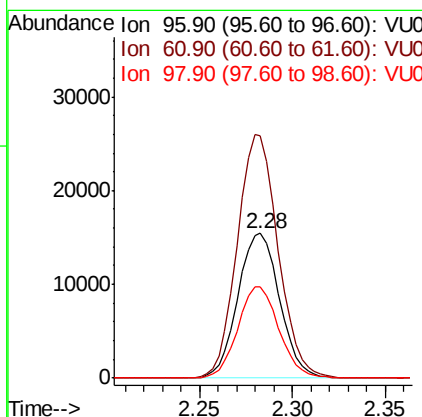
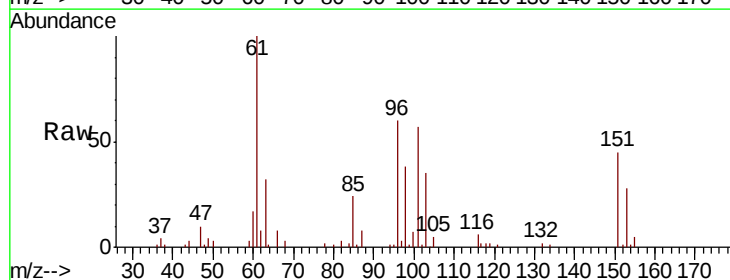
MMDadoda
 9/17/2018 11:34:57 AM

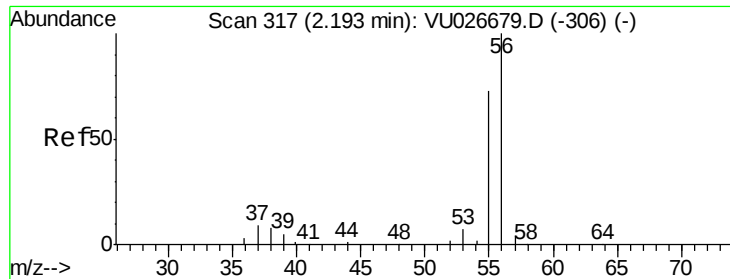


#12

1,1-Dichloroethene
 Concen: 18.65 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.4	133.0	199.6
98	63.1	51.3	76.9





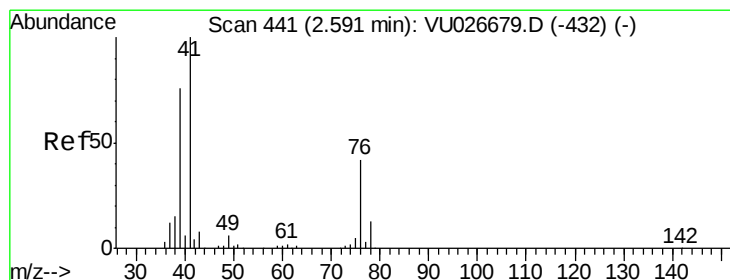
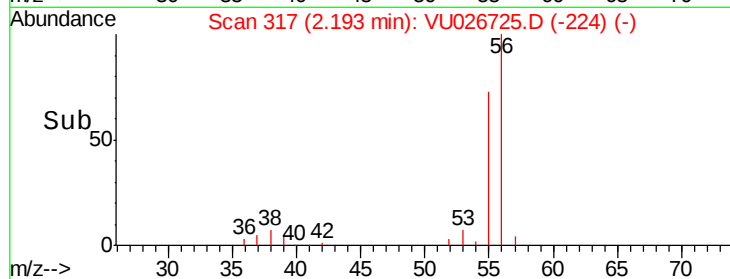
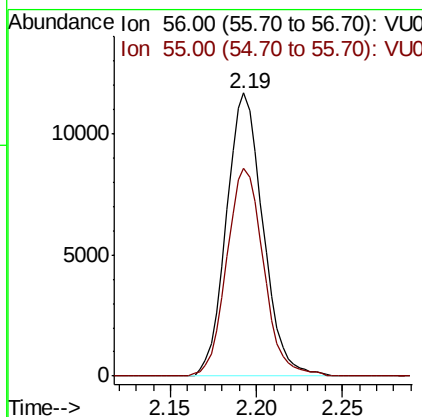
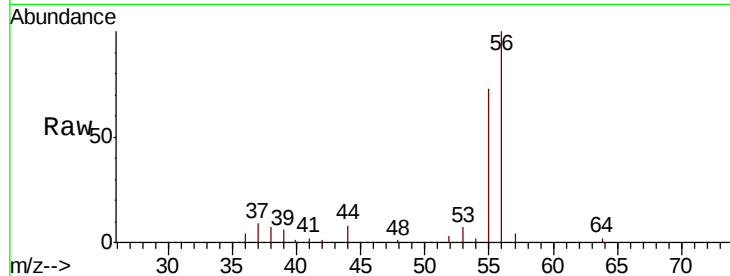
#13
Acrolein
Concen: 61.51 ug/l
RT: 2.19 min Scan# 317
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBSD01

Tot Ion	56	Resp	17276
Ion Ratio	100	Lower	Upper
56	100	57.4	86.2
55	74.0		

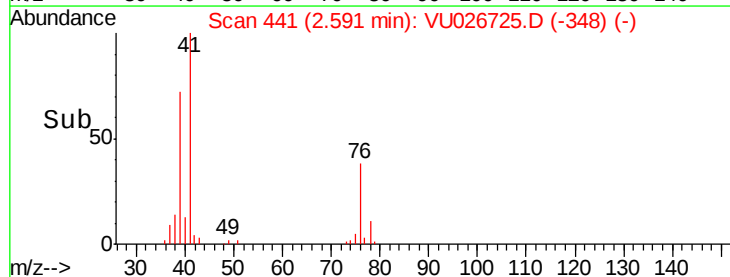
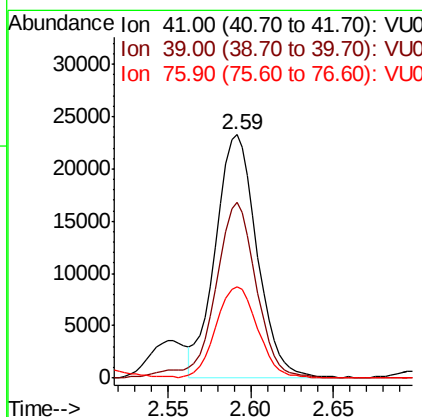
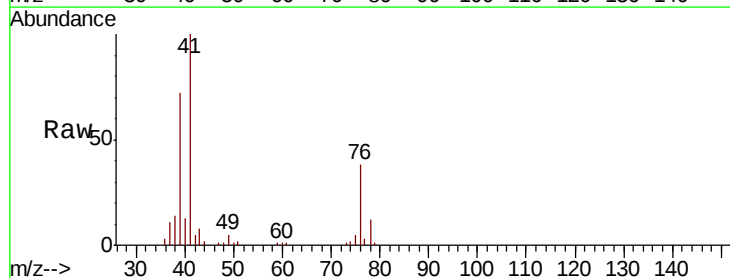
Manual Integrations
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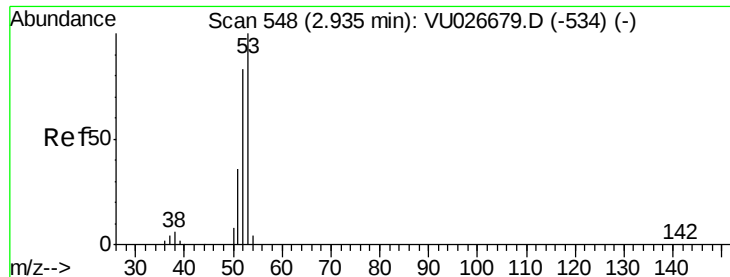
MMDadoda
9/17/2018 11:34:57 AM



#14
Allyl chloride
Concen: 17.42 ug/l
RT: 2.59 min Scan# 441
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Tgt Ion	41	Resp	40613
Ion Ratio	100	Lower	Upper
41	100	56.9	85.3
39	71.3		
76	37.6	29.7	44.5





#15

Acrylonitrile

Concen: 95.99 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU026725.D

Acq: 13 Sep 2018 11:06

Instrument :

MSVOA_U

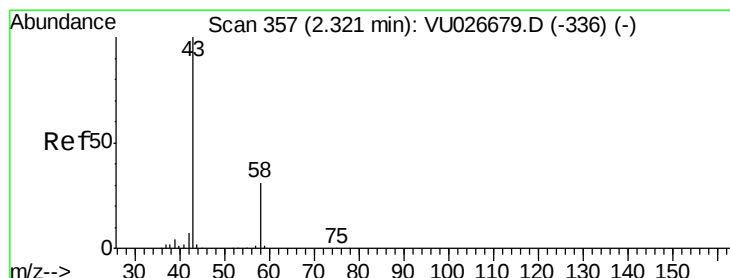
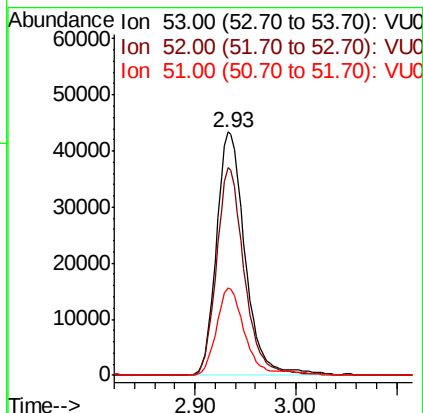
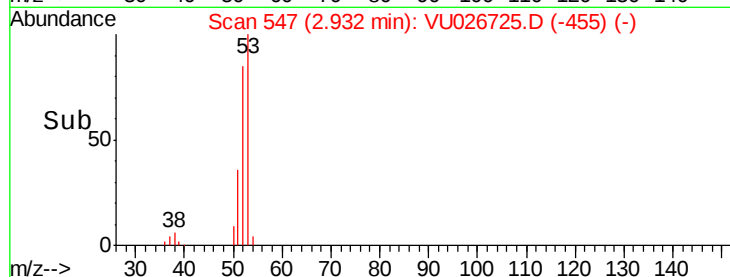
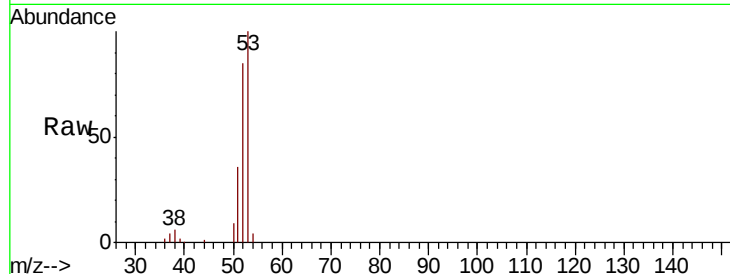
ClientSampleId :

VU0914MBSD01

Tot Ion:	53	Resp:	85797
Ion Ratio	Lower	Upper	
53	100		
52	83.1	65.8	98.8
51	34.6	27.7	41.5

Manual Integrations
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#16

Acetone

Concen: 81.33 ug/l

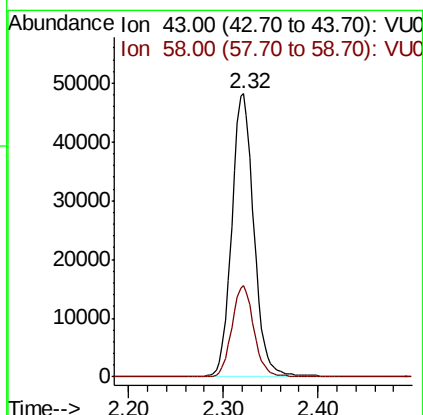
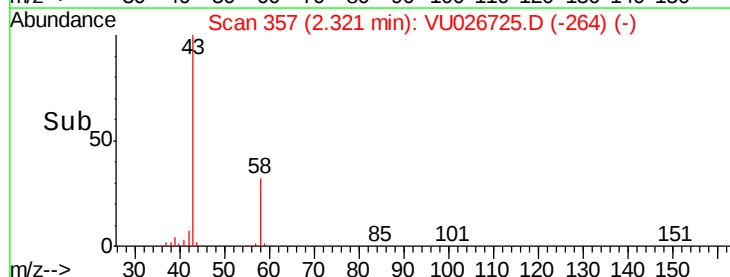
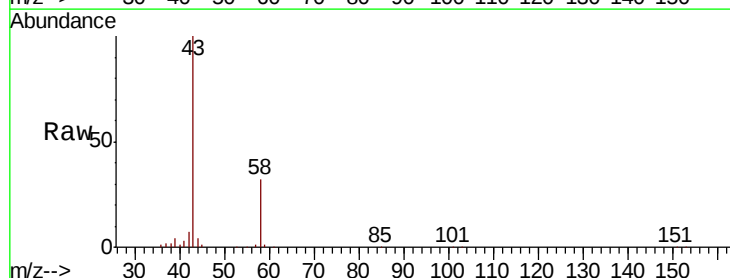
RT: 2.32 min Scan# 357

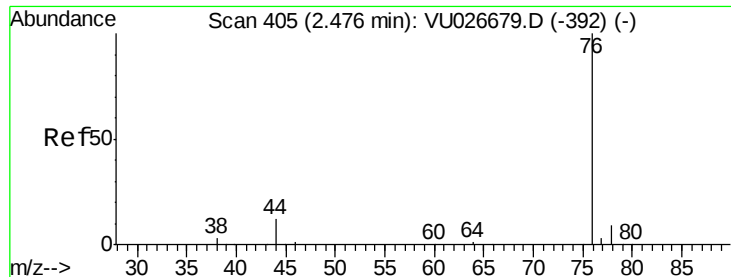
Delta R.T. 0.00 min

Lab File: VU026725.D

Acq: 13 Sep 2018 11:06

Tgt Ion:	43	Resp:	78732
Ion Ratio	Lower	Upper	
43	100		
58	32.2	25.1	37.7





#17

Carbon Disulfide

Concen: 16.62 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU026725.D

Acq: 13 Sep 2018 11:06

Tot Ion: 76 Resp: 68428

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

Instrument :

MSVOA_U

ClientSampleId :

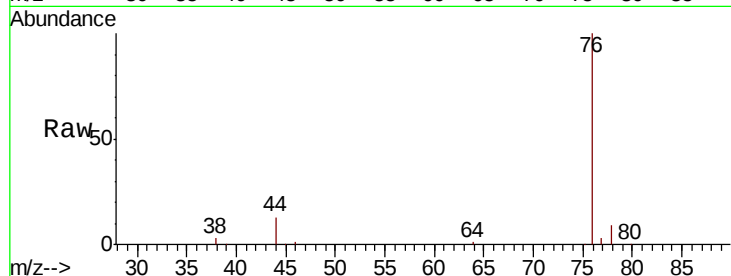
VU0914MBSD01

Manual Integrations

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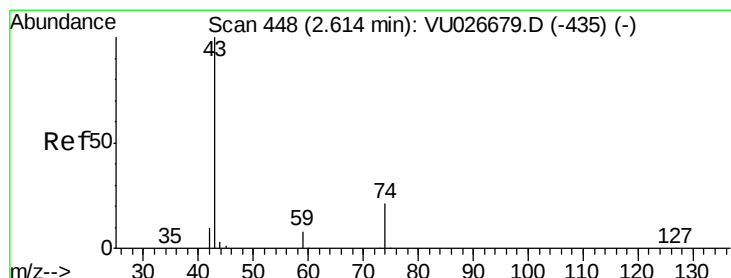
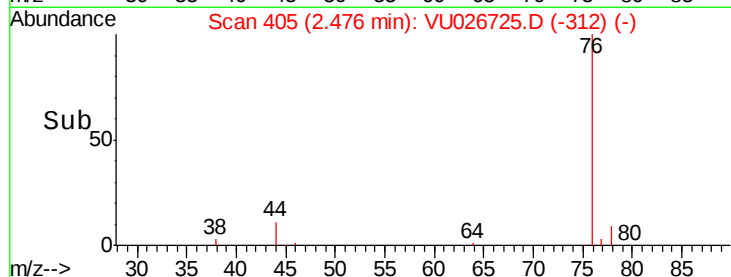
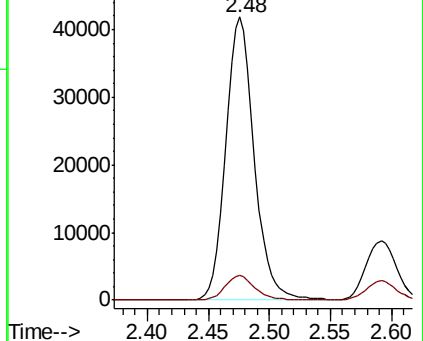
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 20.16 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU026725.D

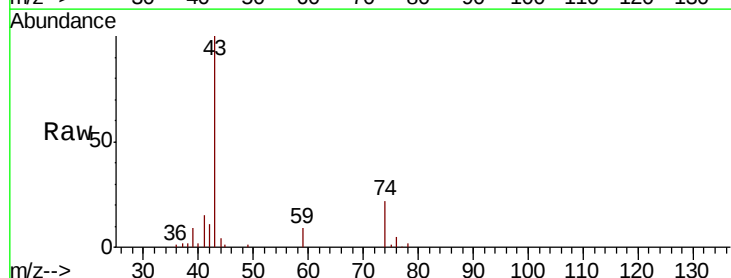
Acq: 13 Sep 2018 11:06

Tgt Ion: 43 Resp: 42117

Ion Ratio Lower Upper

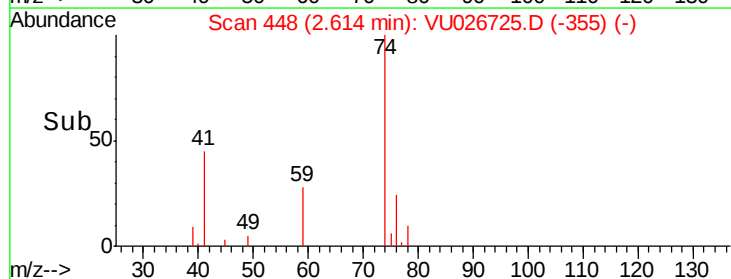
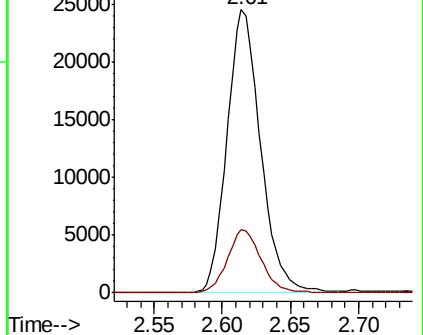
43 100

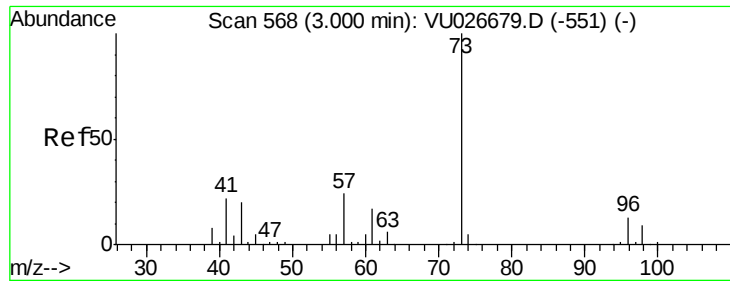
74 22.2 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





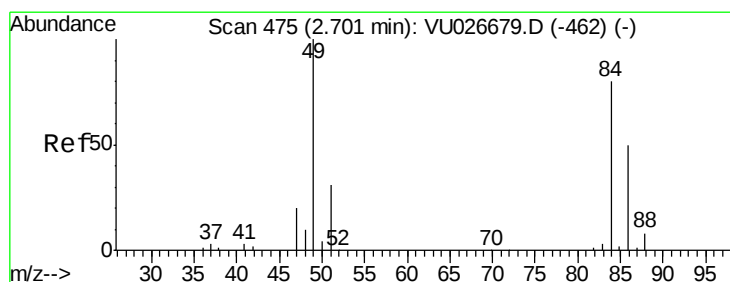
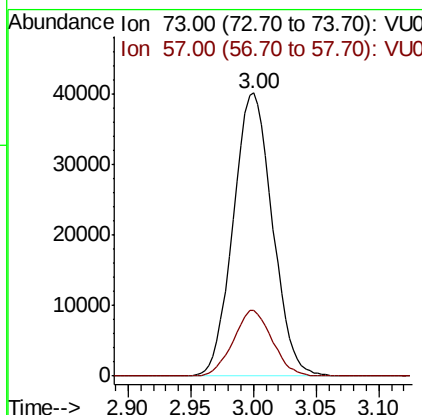
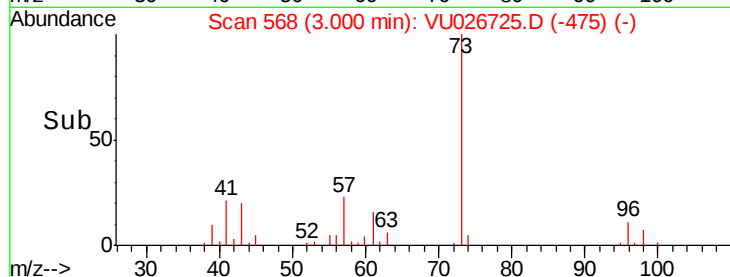
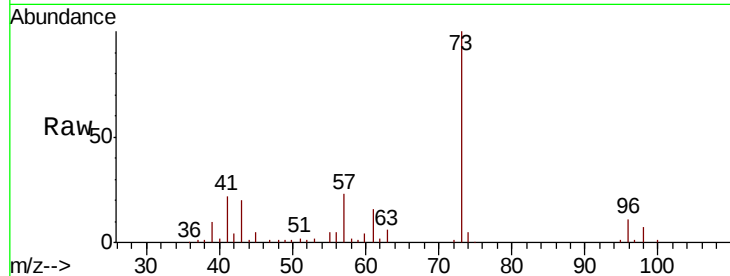
#19
Methvl tert-butvl Ether
Concen: 19.58 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBSD01

Tot Ion: 73 Resp: 87234
Ion Ratio Lower Upper
73 100
57 23.3 18.9 28.3

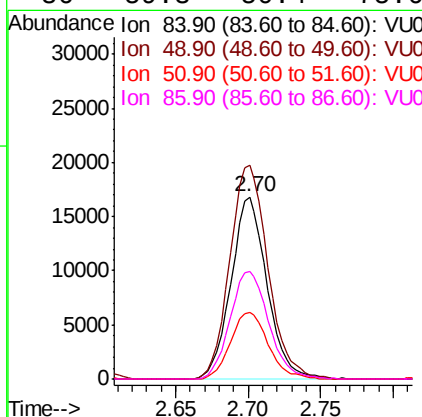
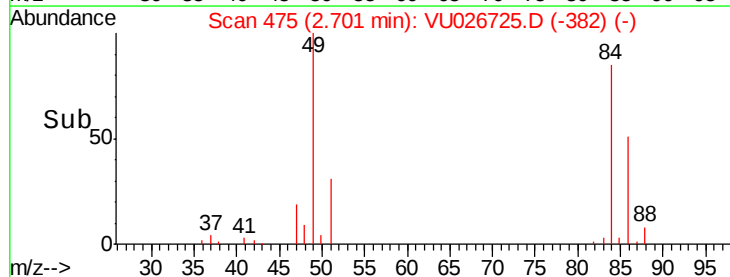
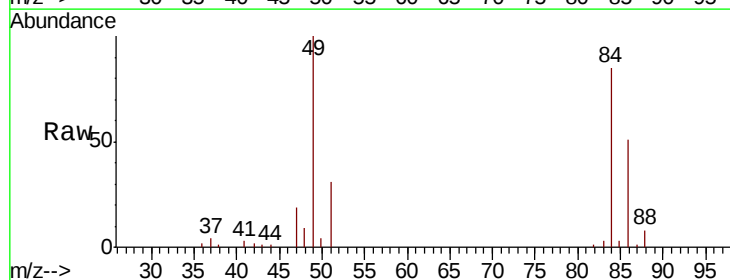
Manual Integrations
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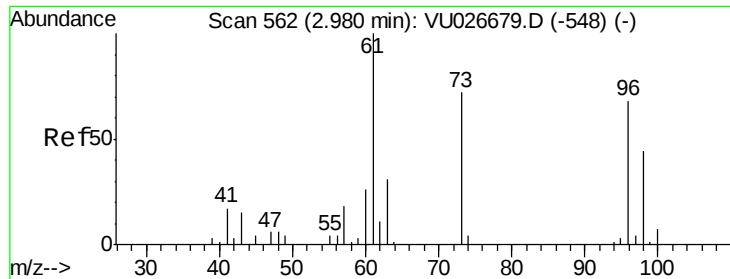
MMDadoda
9/17/2018 11:34:57 AM



#20
Methylene Chloride
Concen: 18.41 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Tgt Ion: 84 Resp: 28916
Ion Ratio Lower Upper
84 100
49 117.4 100.6 151.0
51 36.9 30.9 46.3
86 59.3 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 18.60 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU026725.D

Acq: 13 Sep 2018 11:06

Instrument :

MSVOA_U

ClientSampleID :

VU0914MBSD01

Tot Ion: 96 Resp: 25357

Ion Ratio Lower Upper

96 100

61 139.2 117.7 176.5

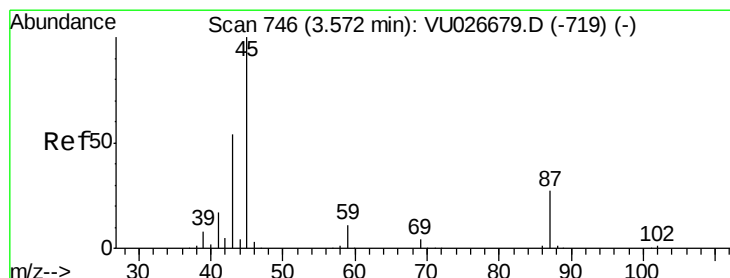
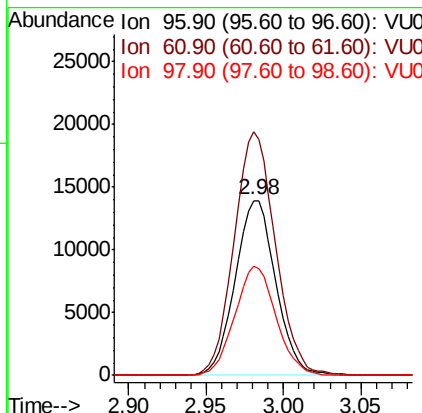
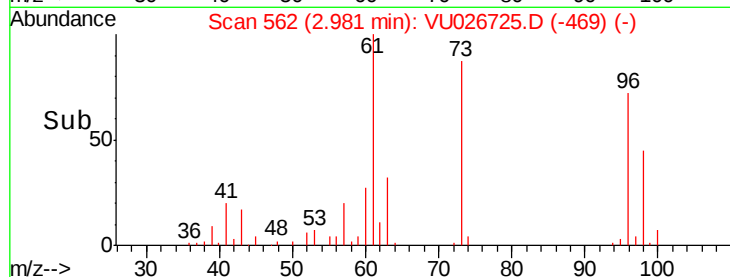
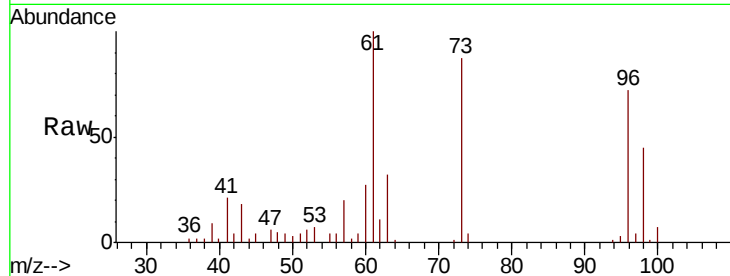
98 62.1 52.0 78.0

Manual Integrations

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MMDadoda

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#22

Diisopropyl ether

Concen: 19.67 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU026725.D

Acq: 13 Sep 2018 11:06

Tgt Ion: 45 Resp: 95705

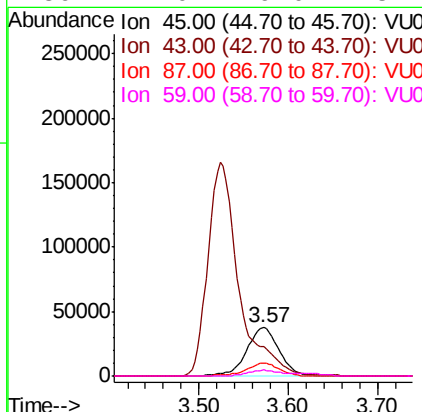
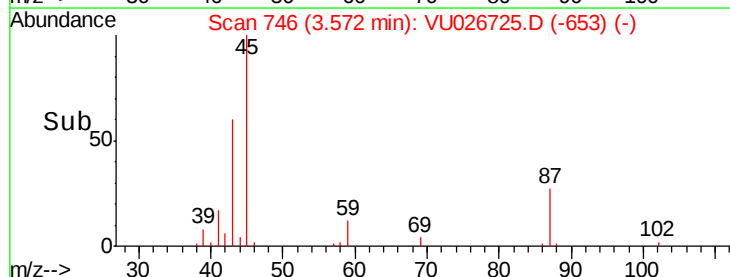
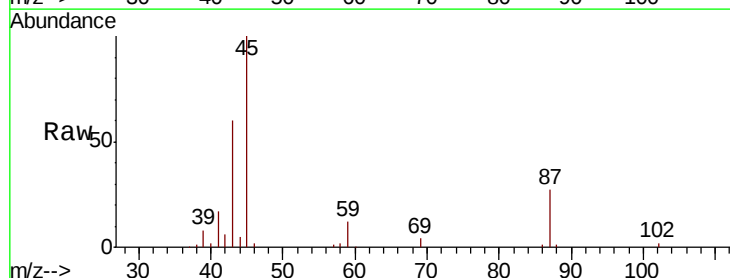
Ion Ratio Lower Upper

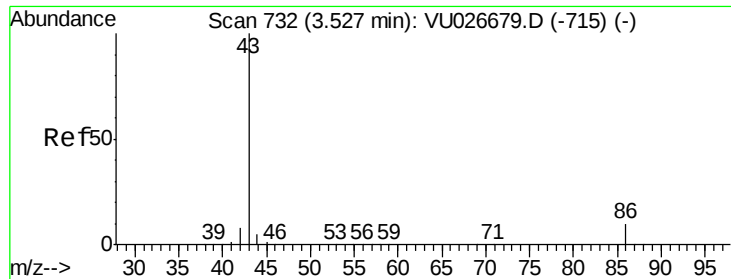
45 100

43 58.5 44.6 67.0

87 26.6 21.4 32.0

59 12.0 9.0 13.4





#23

Vinyl Acetate

Concen: 96.81 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU026725.D

Acq: 13 Sep 2018 11:06

Instrument :

MSVOA_U

ClientSampleId :

VU0914MBSD01

Tot Ion: 43 Resp: 400013

Ion Ratio Lower Upper

43 100

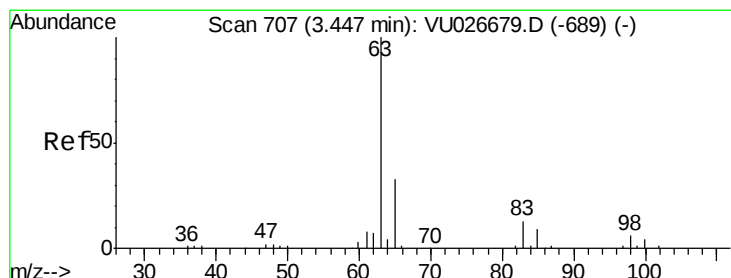
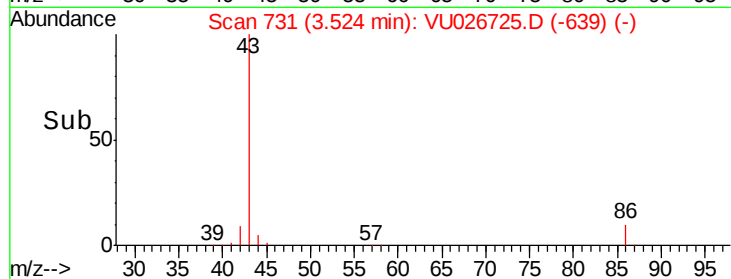
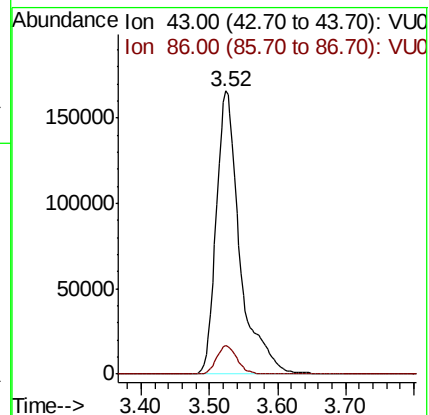
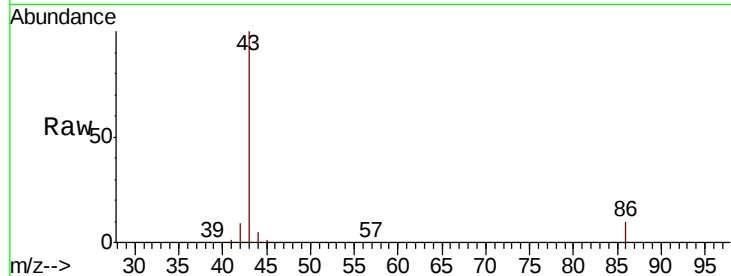
86 10.0 7.8 11.8

Manual Integrations

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MMDadoda

9/17/2018 11:34:57 AM



#24

1,1-Dichloroethane

Concen: 18.90 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU026725.D

Acq: 13 Sep 2018 11:06

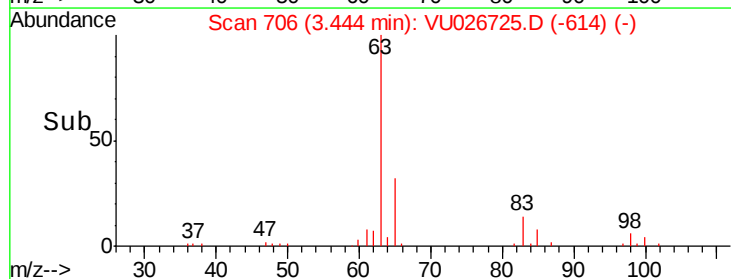
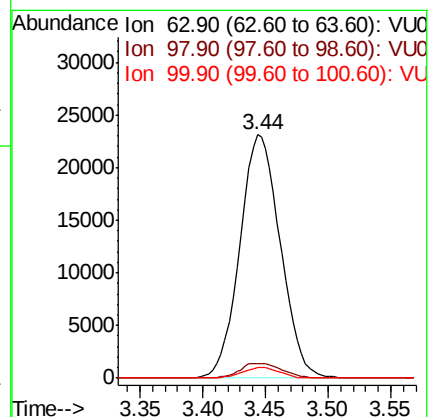
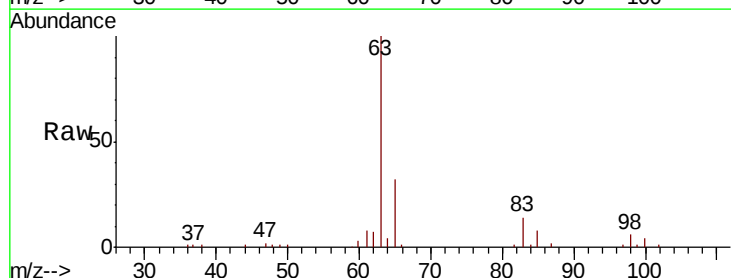
Tgt Ion: 63 Resp: 51852

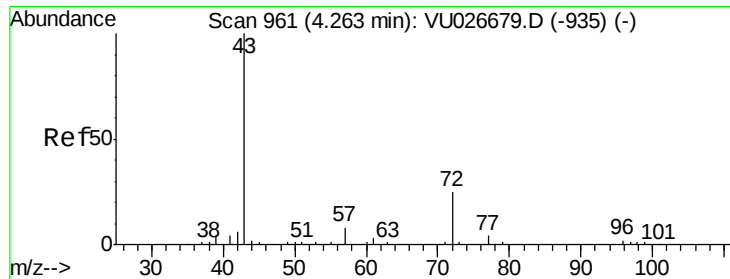
Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.4

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 89.14 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026725.D

Acq: 13 Sep 2018 11:06

Instrument :

MSVOA_U

ClientSampleId :

VU0914MBSD01

Tot Ion: 43 Resp: 116239

Ion Ratio Lower Upper

43 100

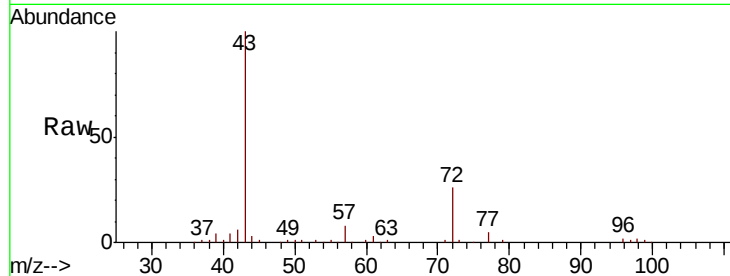
72 26.2 20.3 30.5

Manual Integrations

APPROVED

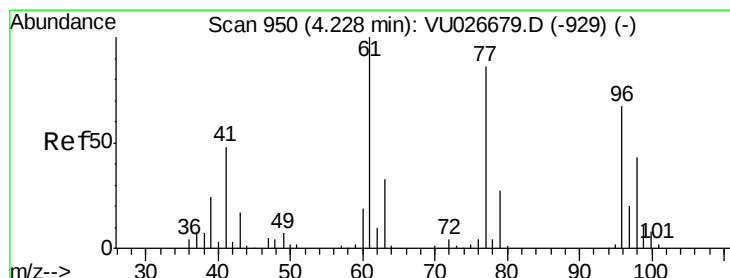
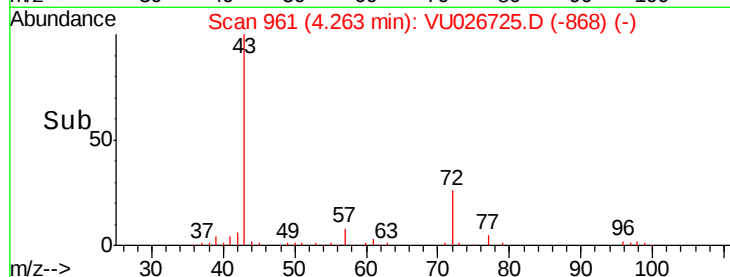
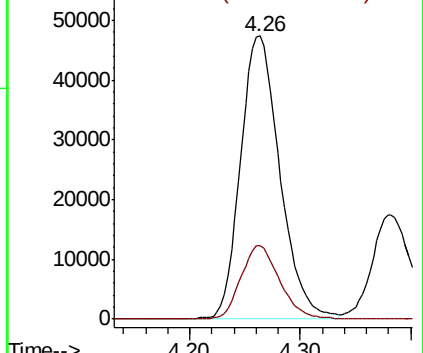
MMDadoda

9/17/2018 11:34:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 18.23 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU026725.D

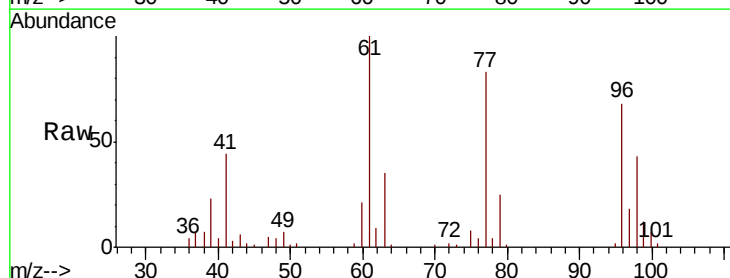
Acq: 13 Sep 2018 11:06

Tgt Ion: 77 Resp: 41129

Ion Ratio Lower Upper

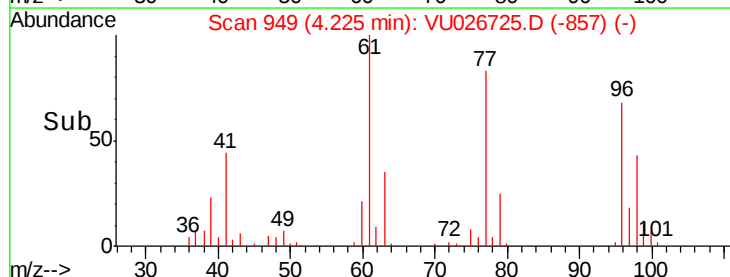
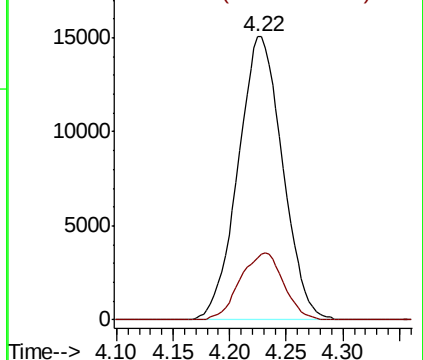
77 100

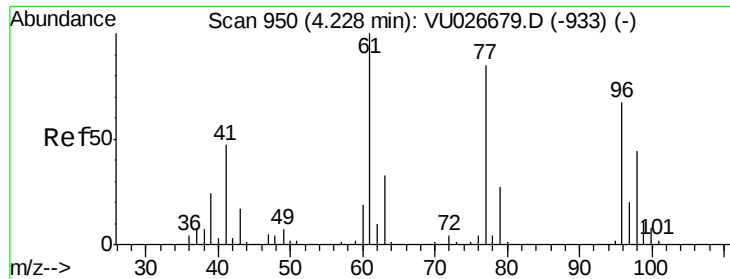
97 23.1 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





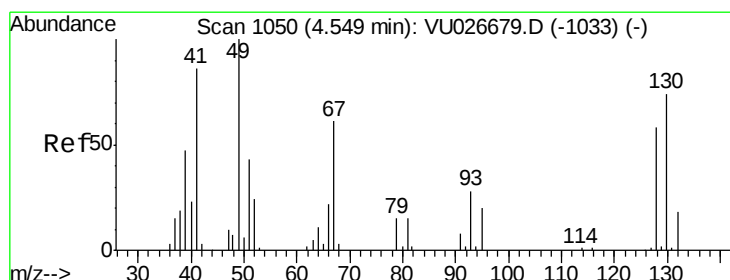
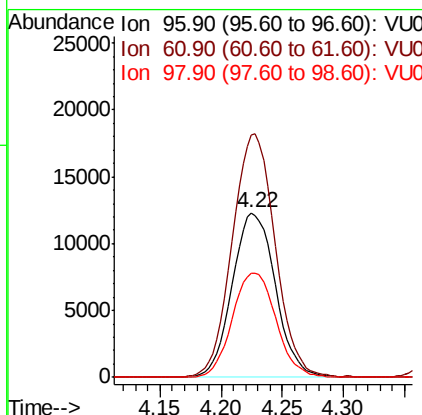
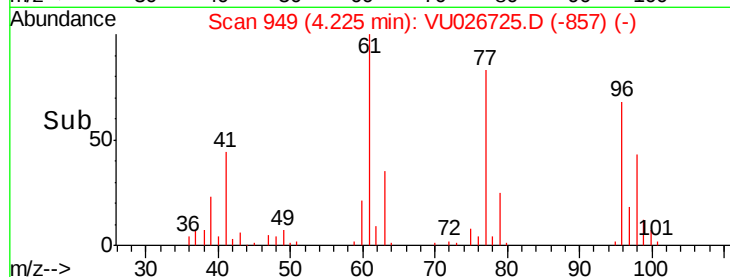
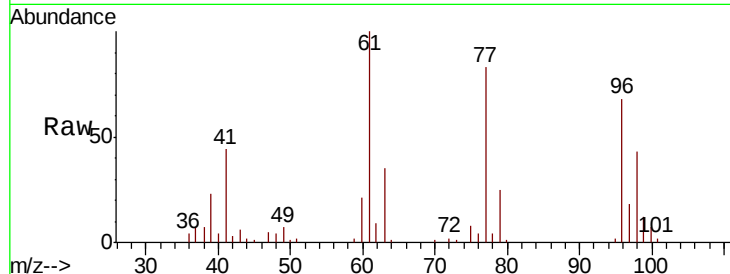
#27
 cis-1,2-Dichloroethene
 Concen: 19.17 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	30116		
61	147.3	0.0	301.8	
98	64.2	0.0	127.2	

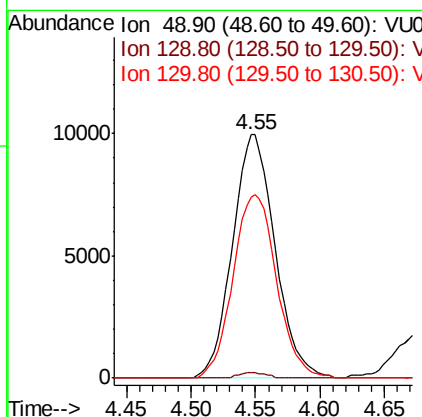
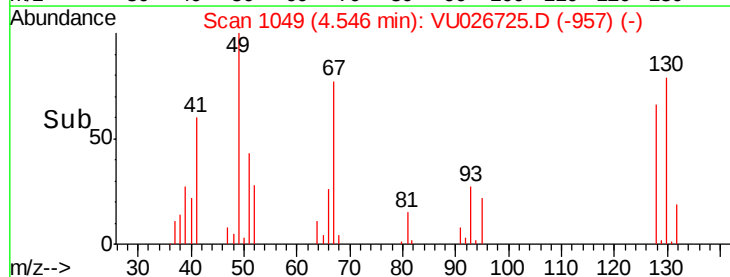
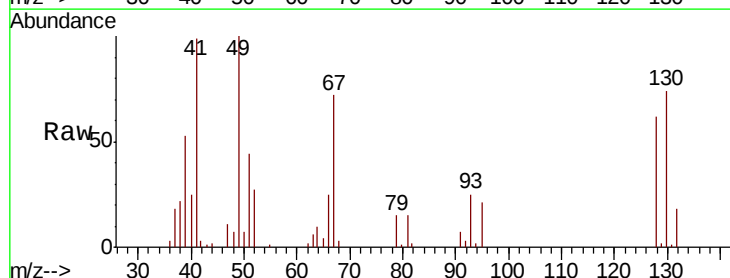
Manual Integrations
 APPROVED

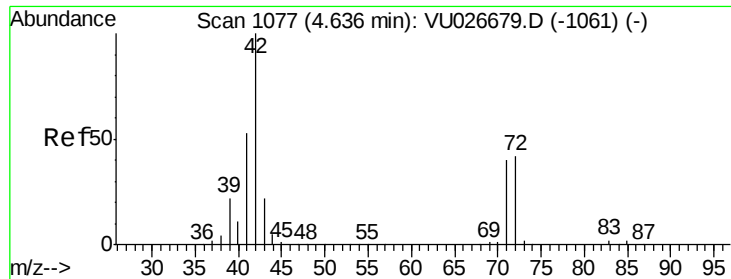
MMDadoda
 9/17/2018 11:34:57 AM



#28
 Bromochloromethane
 Concen: 17.44 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	22878		
129	1.4	0.0	3.8	
130	77.1	59.8	89.6	





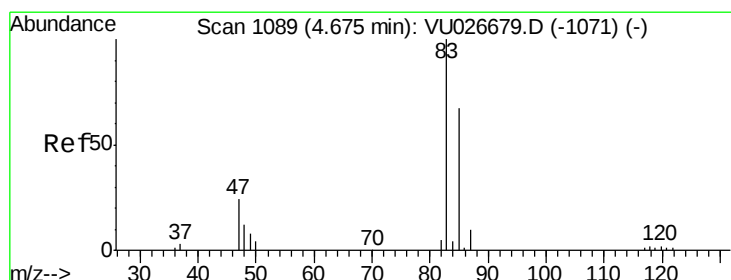
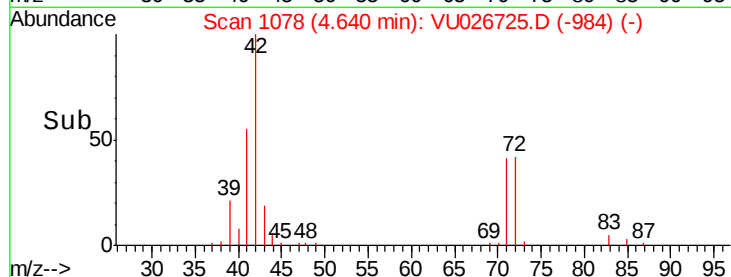
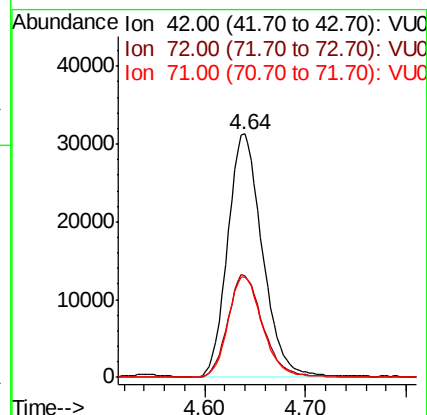
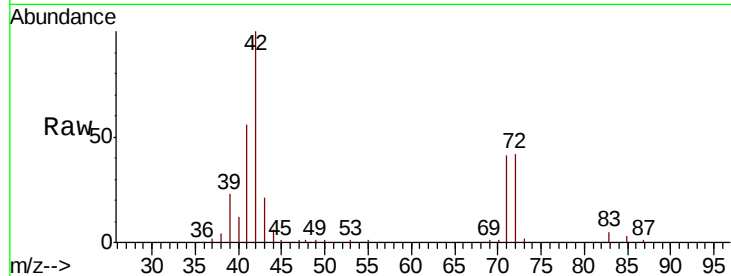
#29
Tetrahydrofuran
Concen: 95.83 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.4	51.6
71	40.7	32.4	48.6

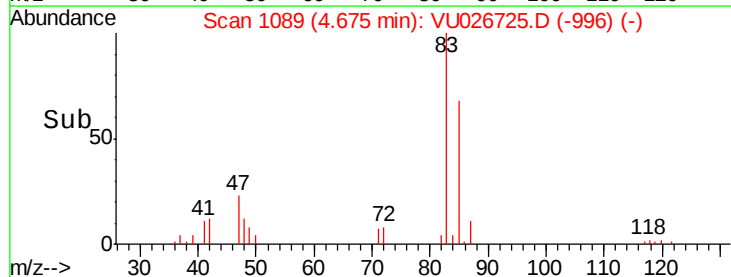
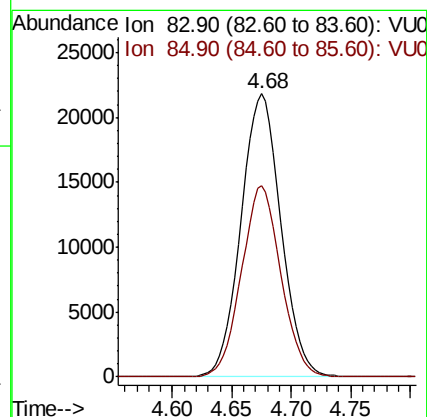
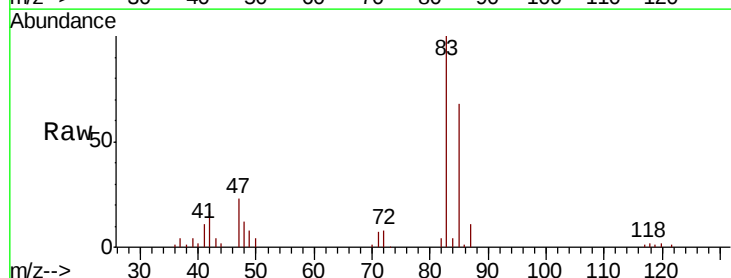
Manual Integrations
APPROVED

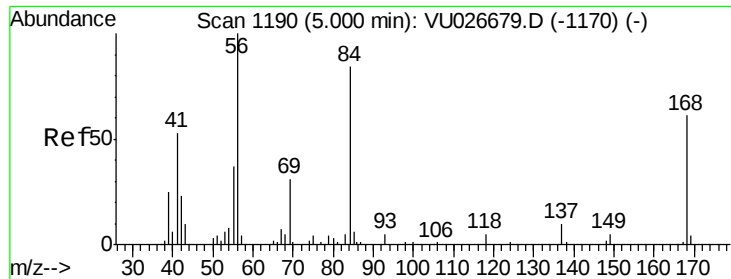
MMDadoda
9/17/2018 11:34:57 AM



#30
Chloroform
Concen: 18.81 ug/l
RT: 4.68 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	53.3	79.9





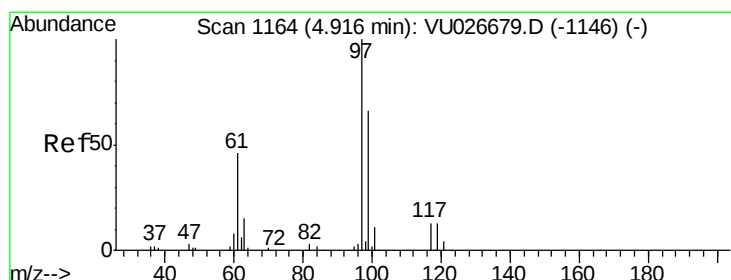
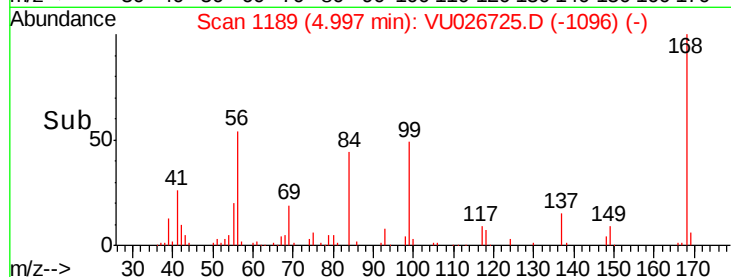
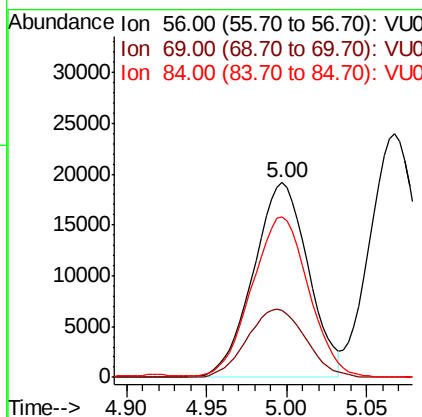
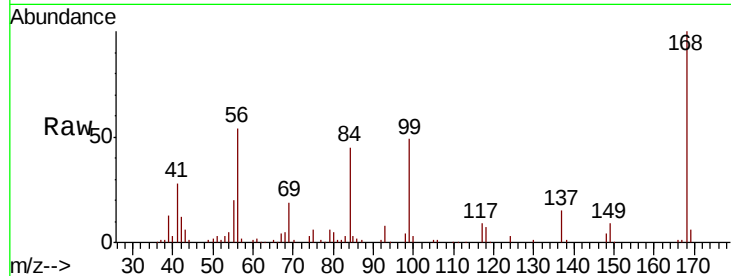
#31
Cyclohexane
Concen: 18.03 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	24.9	37.3
84	81.8	66.6	100.0

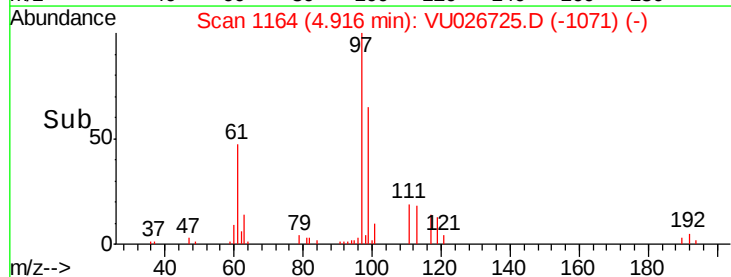
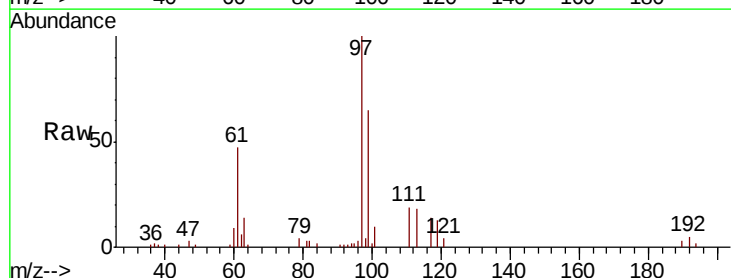
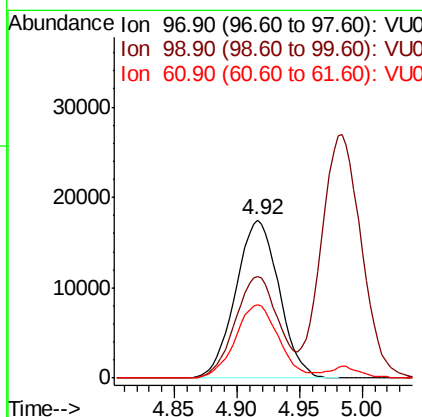
Manual Integrations
APPROVED

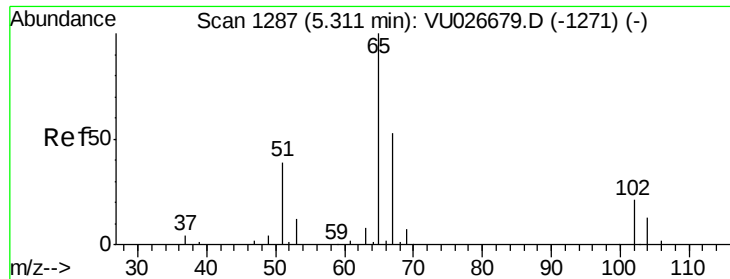
MMDadoda
9/17/2018 11:34:57 AM



#32
1,1,1-Trichloroethane
Concen: 18.87 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.2	78.2
61	46.4	36.8	55.2





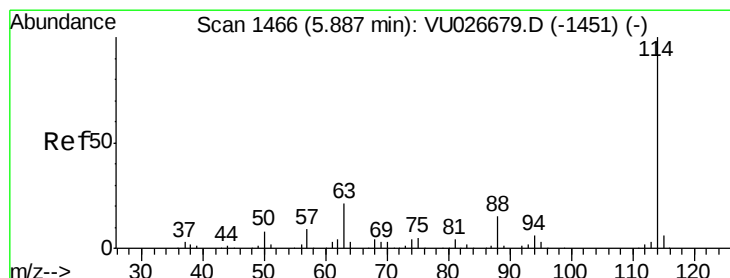
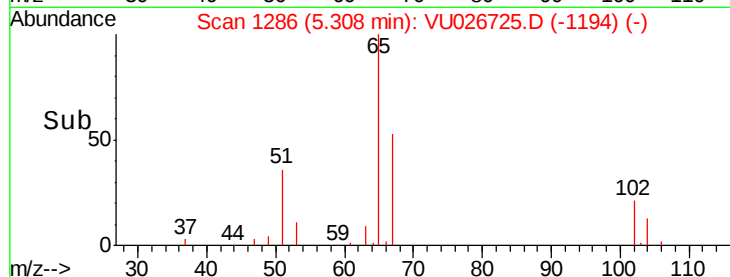
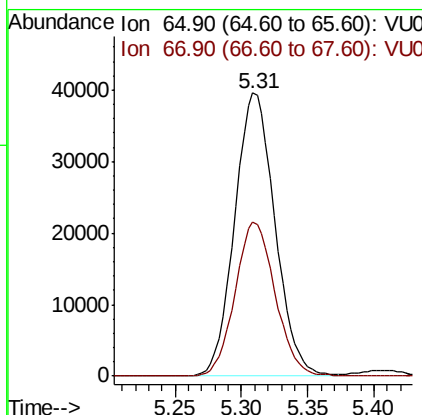
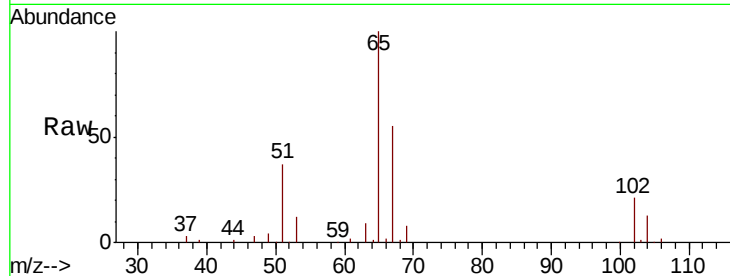
#33
 1,2-Dichloroethane-d4
 Concen: 49.01 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	106.4

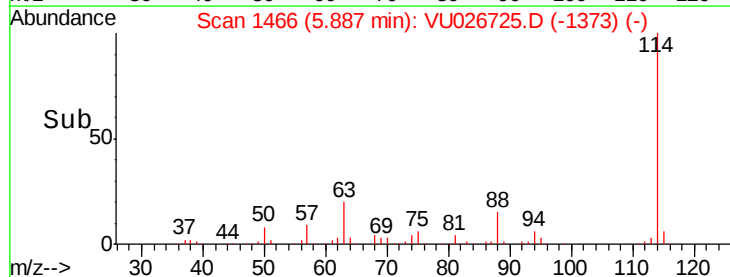
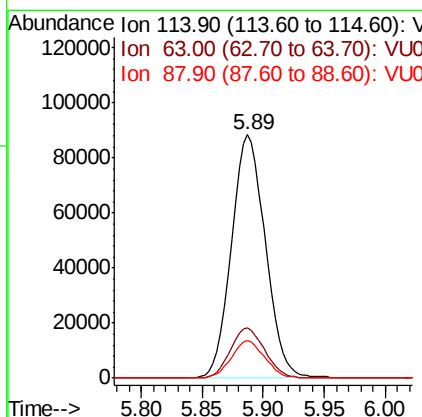
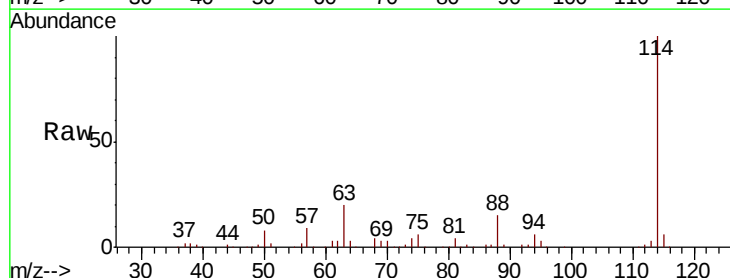
Manual Integrations
 APPROVED

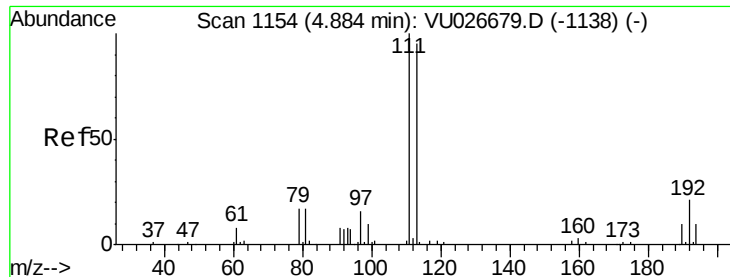
MMDadoda
 9/17/2018 11:34:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	41.4
88	15.4	0.0	30.8





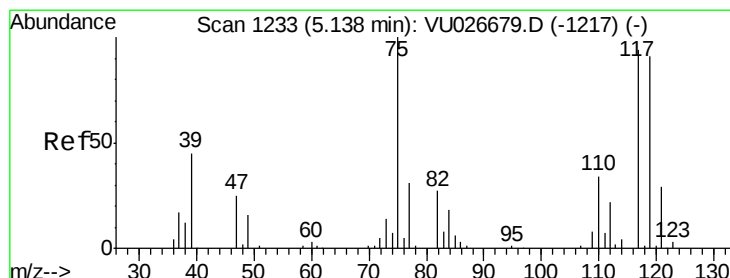
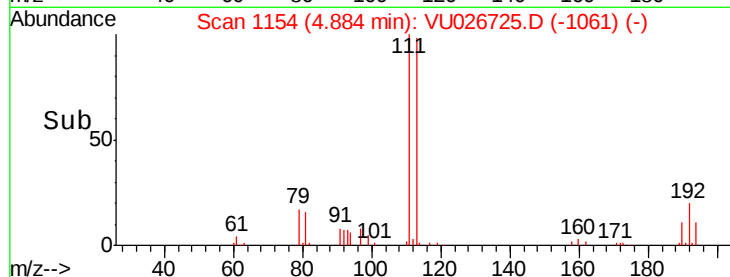
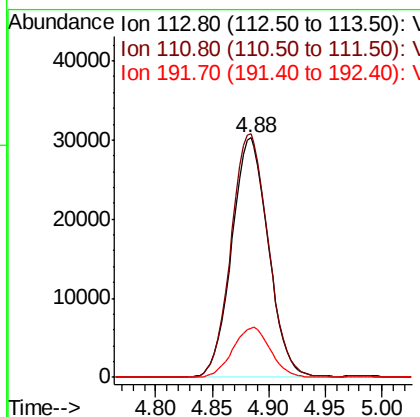
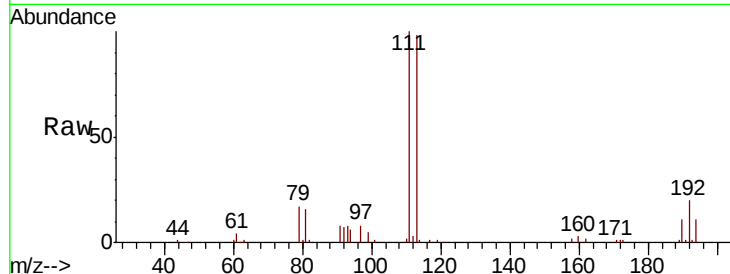
#35
 Dibromofluoromethane
 Concen: 49.02 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	68365		
111	103.0	83.1	124.7	
192	21.2	17.4	26.2	

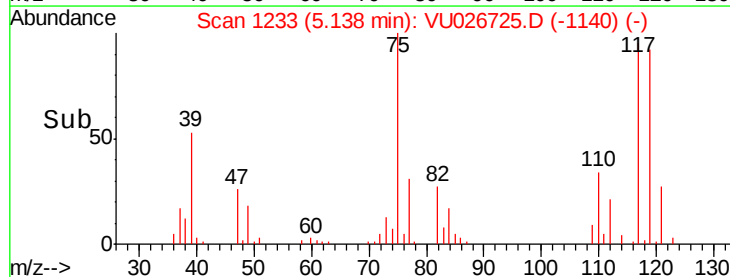
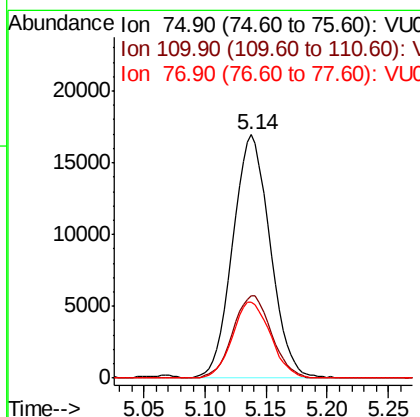
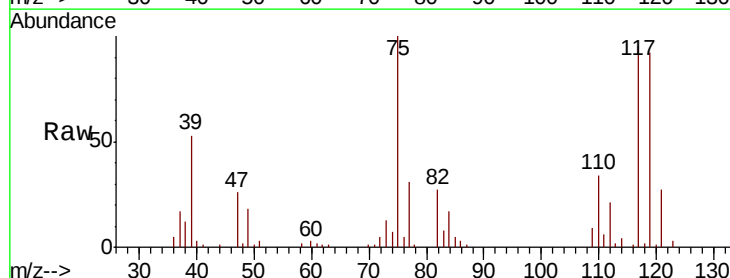
Manual Integrations
 APPROVED

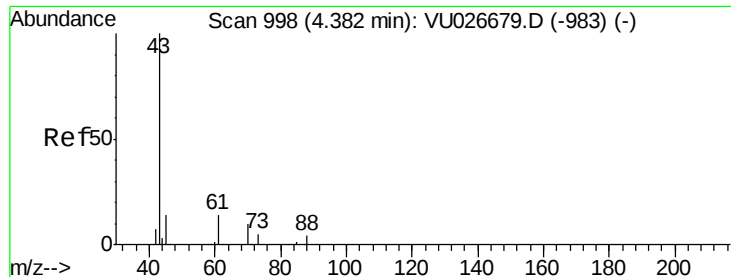
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 9/17/2018 11:34:57 AM



#36
 1,1-Dichloropropene
 Concen: 18.77 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	36025		
110	34.8	17.3	51.9	
77	31.7	24.9	37.3	





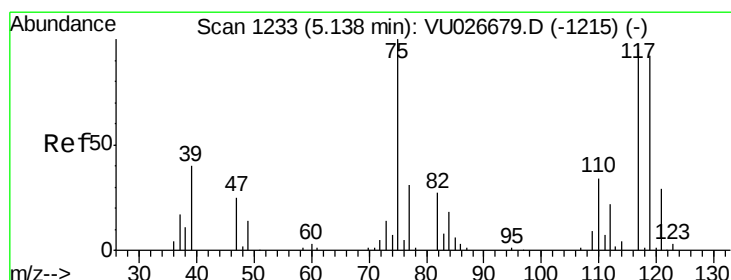
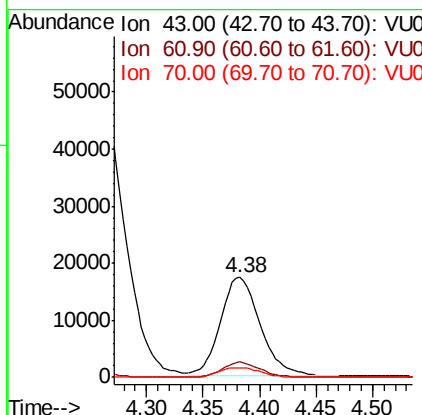
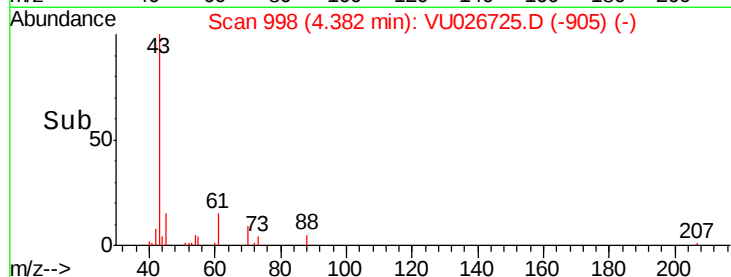
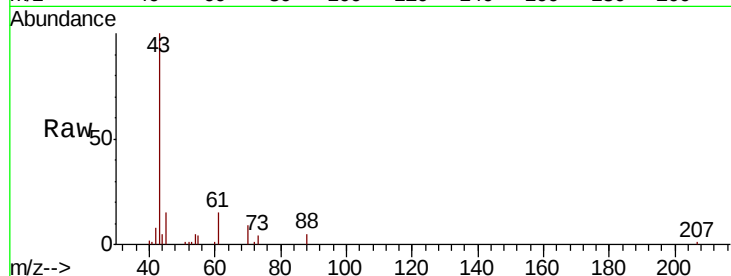
#37
Ethyl Acetate
Concen: 18.46 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	9.9	7.8	11.8

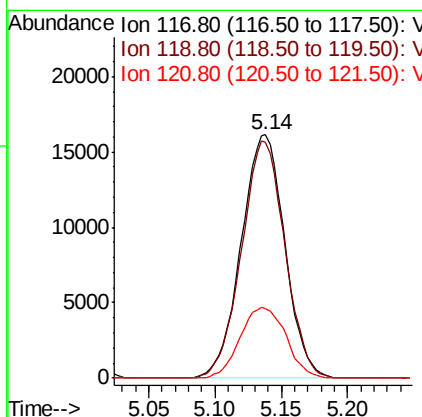
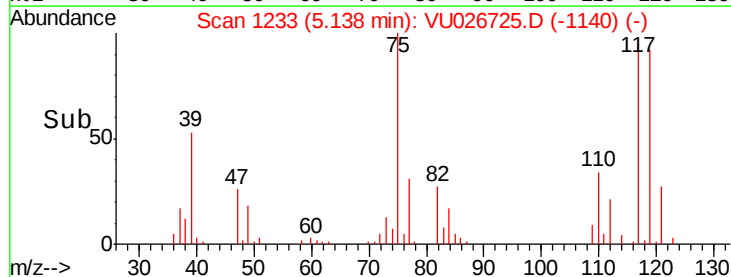
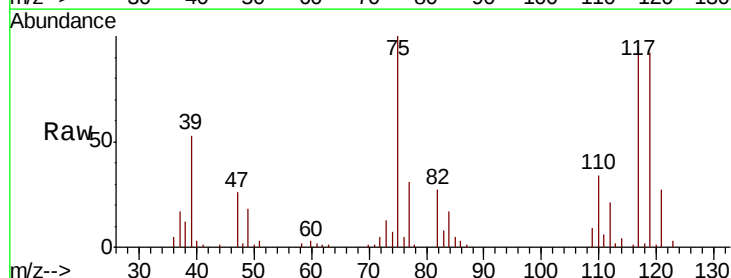
Manual Integrations
APPROVED

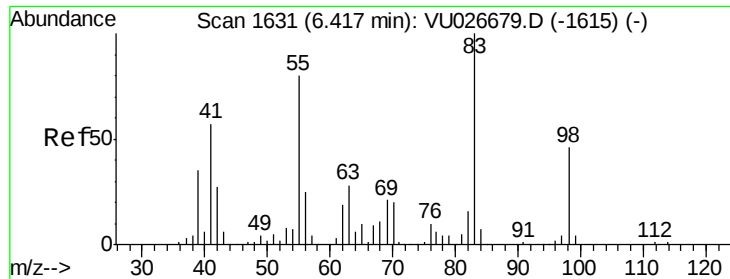
MMDadoda
9/17/2018 11:34:57 AM



#38
Carbon Tetrachloride
Concen: 18.25 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.8	116.8
121	28.7	25.0	37.4





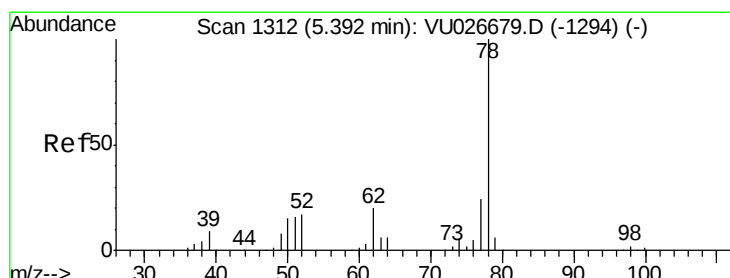
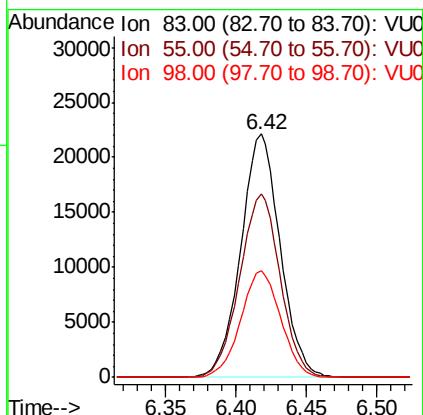
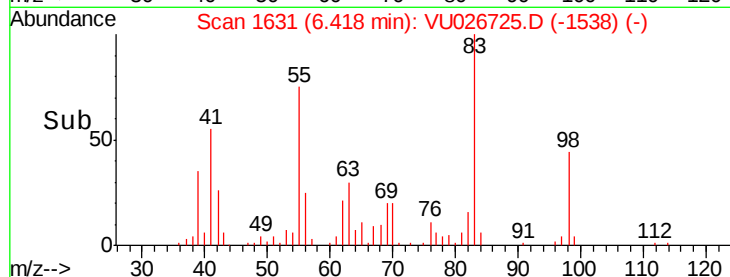
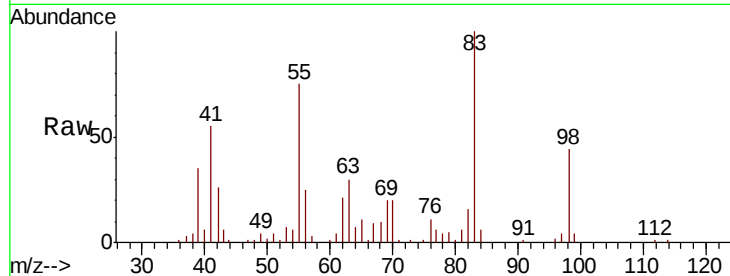
#39
Methvlcvclohexane
Concen: 18.99 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBSD01

Tot Ion	83.00	Resp	43277
Ion	Ratio	Lower	Upper
83	100		
55	75.3	63.8	95.6
98	43.6	37.2	55.8

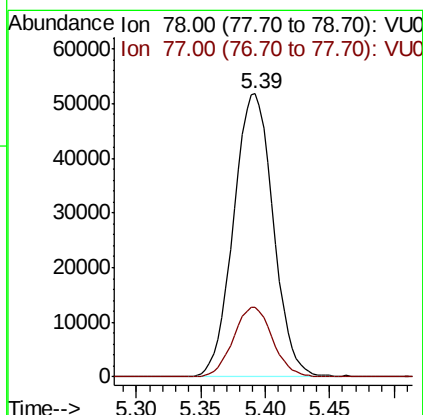
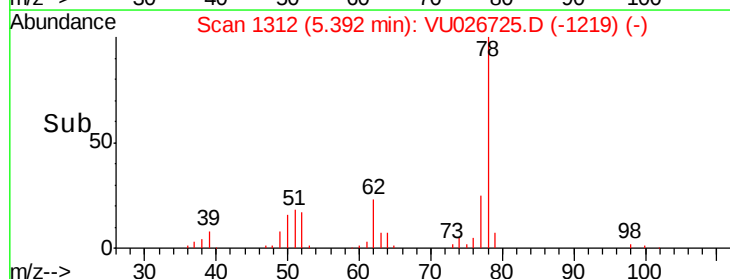
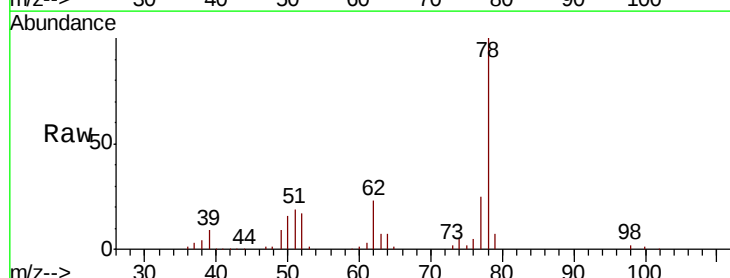
Manual Integrations
APPROVED

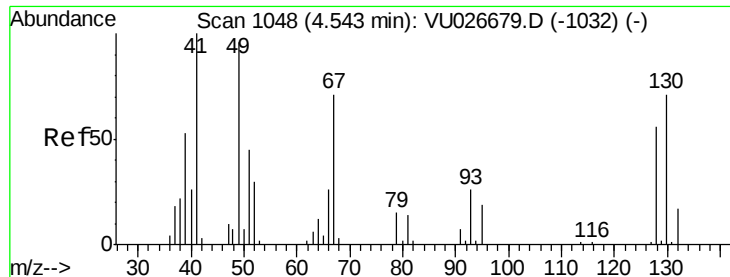
MMDadoda
9/17/2018 11:34:57 AM



#40
Benzene
Concen: 18.61 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Tgt Ion	78	Resp	110933
Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.5	29.3





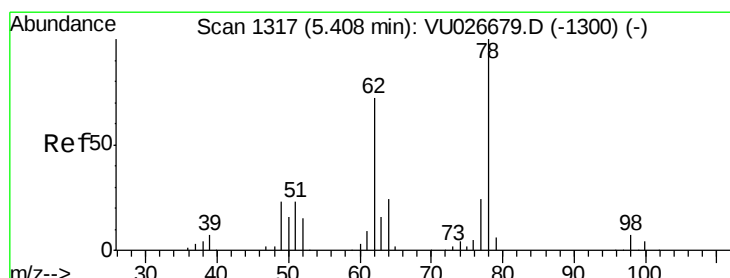
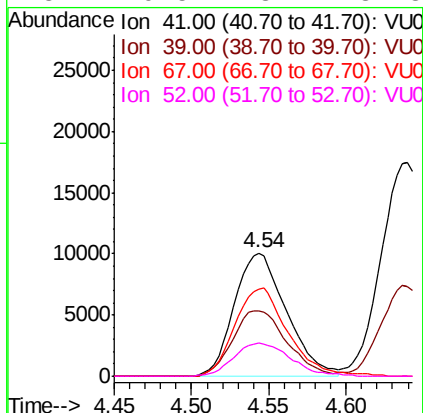
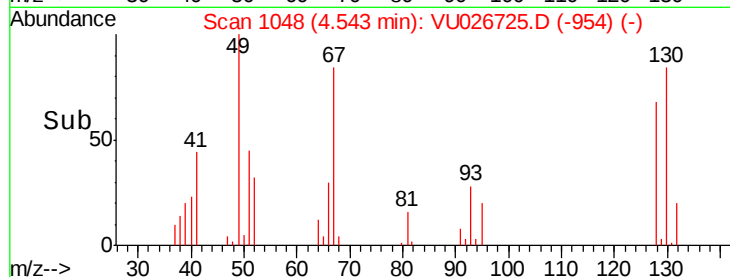
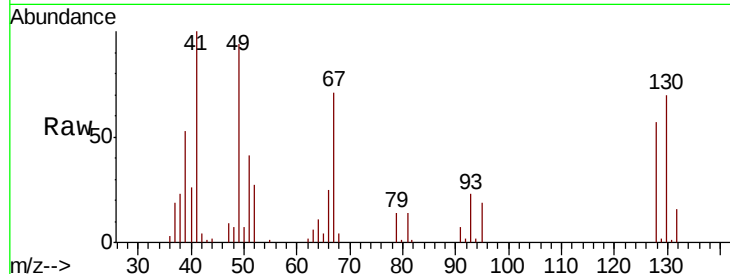
#41
Methacrylonitrile
Concen: 18.61 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.2	42.9	64.3	
67	72.9	56.6	84.8	
52	29.5	23.2	34.8	

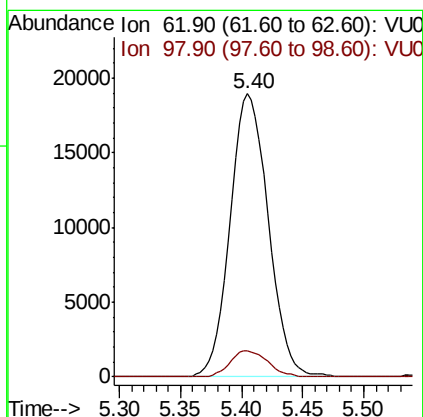
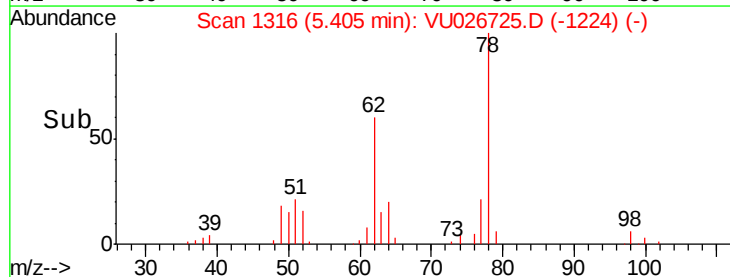
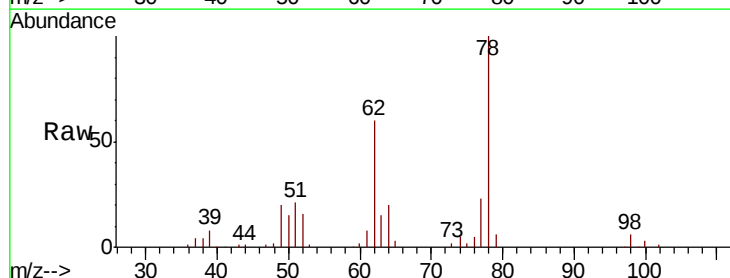
Manual Integrations
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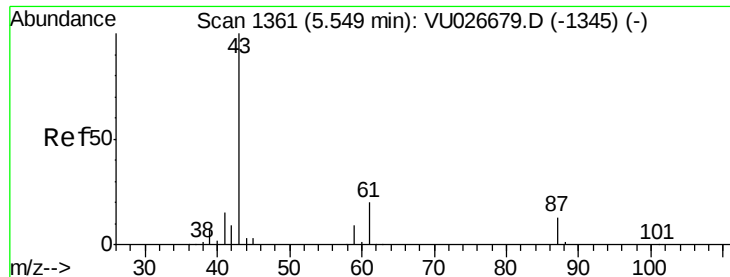
MMDadoda
9/17/2018 11:34:57 AM



#42
1,2-Dichloroethane
Concen: 19.39 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	17.8	





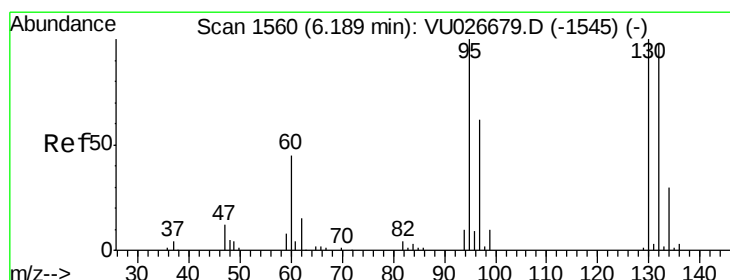
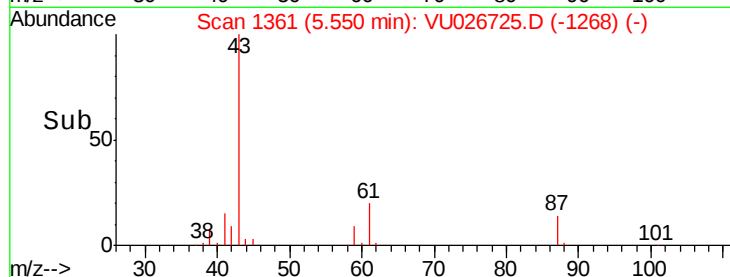
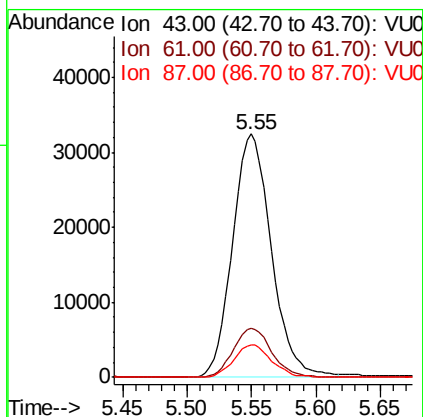
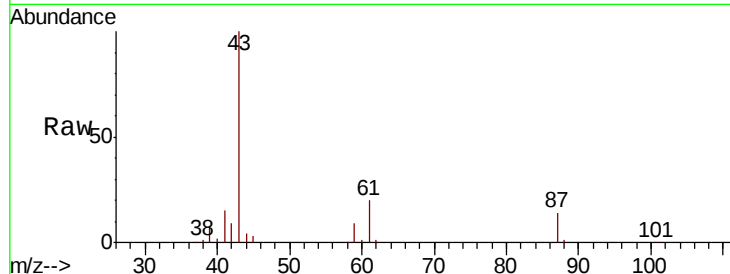
#43
Isopropyl Acetate
Concen: 19.35 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.0	24.0
87	13.1	10.1	15.1

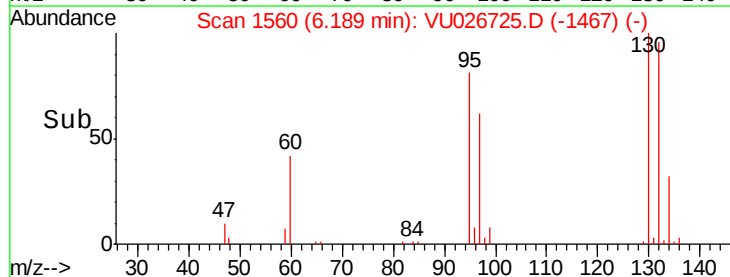
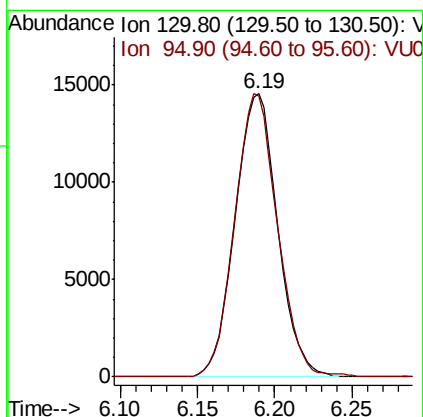
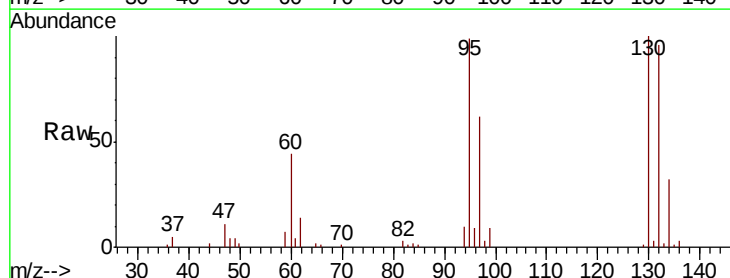
Manual Integrations
APPROVED

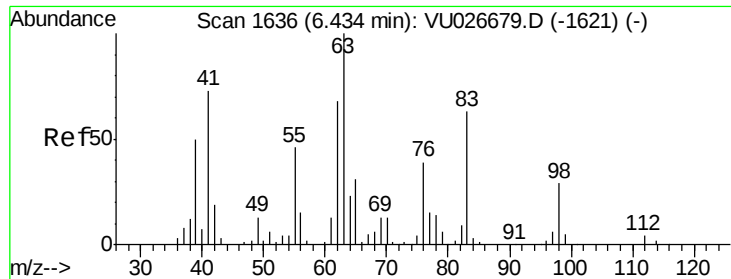
MMDadoda
9/17/2018 11:34:57 AM



#44
Trichloroethene
Concen: 18.80 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	199.4





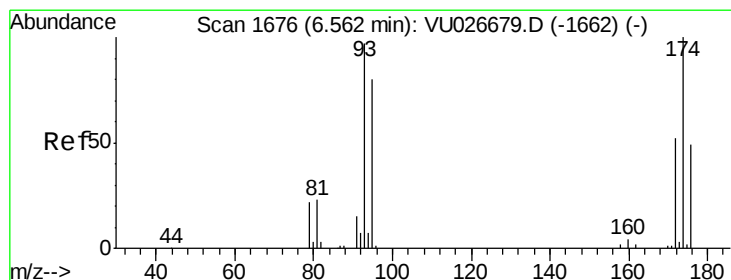
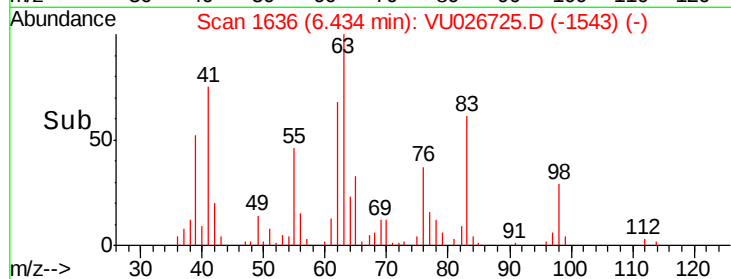
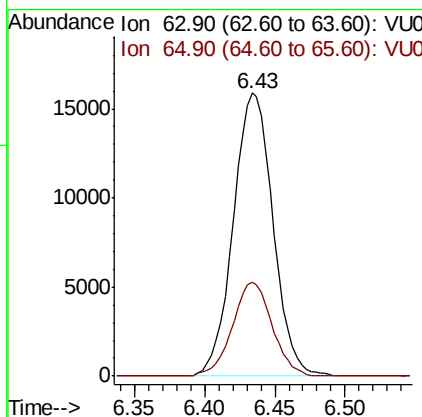
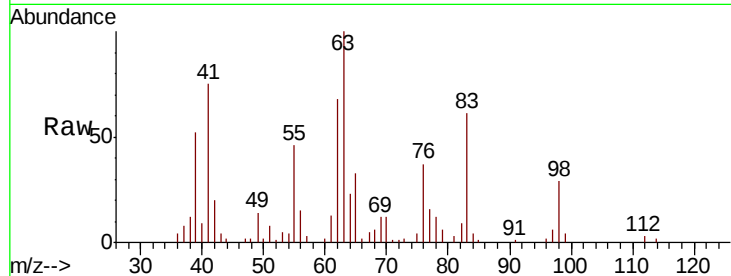
#45
 1,2-Dichloropropane
 Concen: 19.32 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBSD01

Tot Ion: 63 Resp: 31306
 Ion Ratio Lower Upper
 63 100
 65 33.2 25.0 37.4

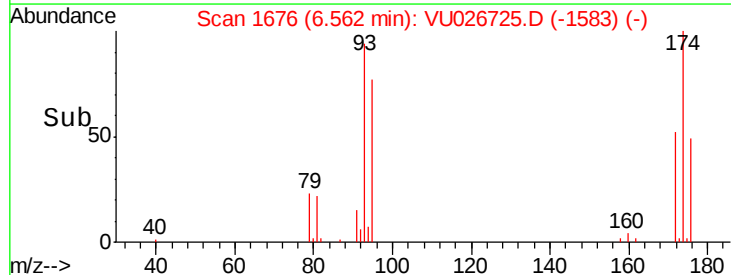
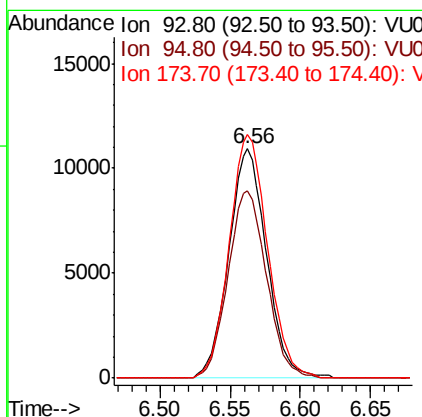
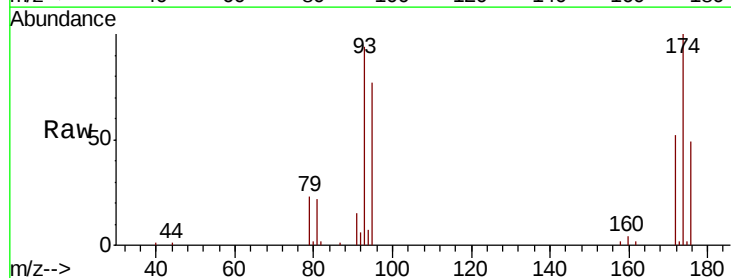
Manual Integrations
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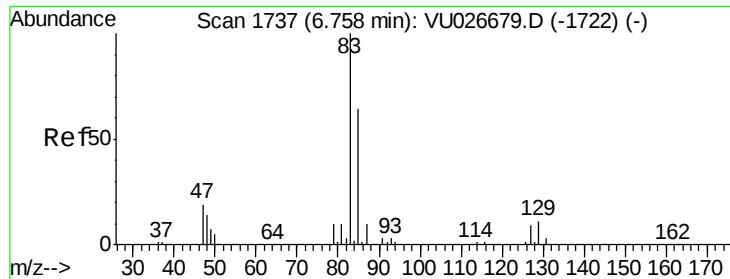
MMDadoda
 9/17/2018 11:34:57 AM



#46
 Dibromomethane
 Concen: 19.64 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Tgt Ion: 93 Resp: 20538
 Ion Ratio Lower Upper
 93 100
 95 82.9 65.4 98.2
 174 107.6 81.6 122.4





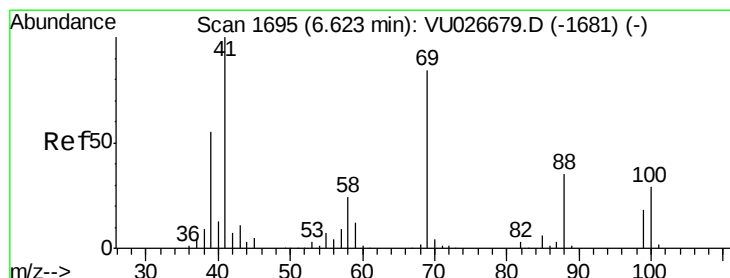
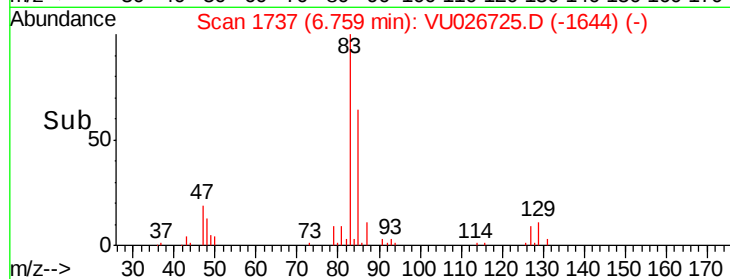
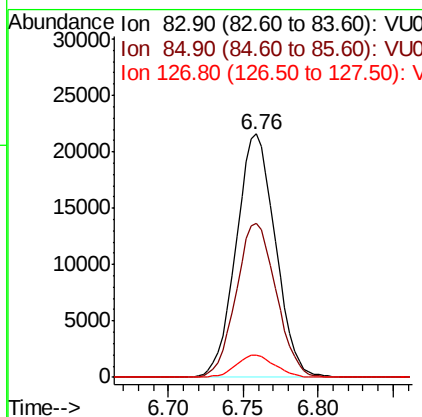
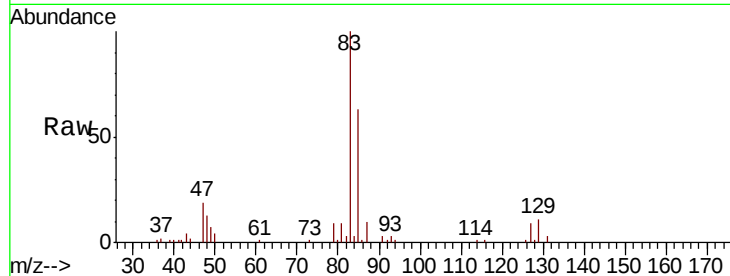
#47
 Bromodichloromethane
 Concen: 19.12 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBSD01

Tot Ion	83	Resp	39376
Ion Ratio	100	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	8.9	6.9	10.3

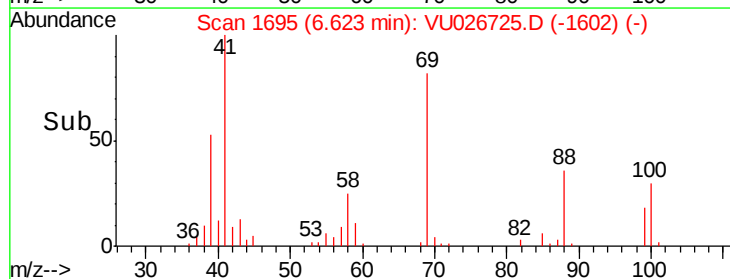
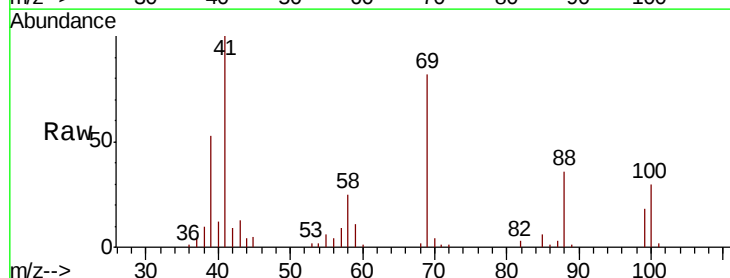
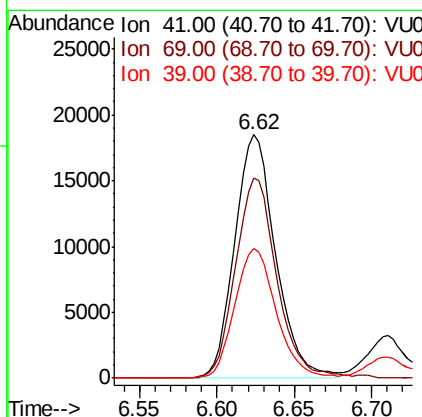
Manual Integrations
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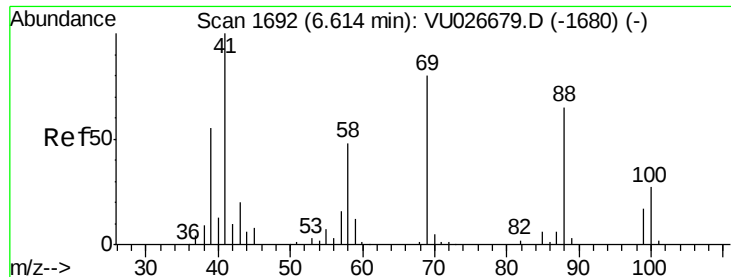
MMDadoda
 9/17/2018 11:34:57 AM



#48
 Methyl methacrylate
 Concen: 18.90 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Tgt Ion	41	Resp	34060
Ion Ratio	100	Lower	Upper
41	100		
69	82.5	66.6	99.8
39	53.8	43.6	65.4





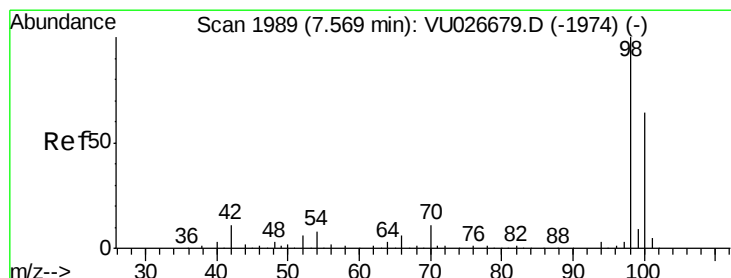
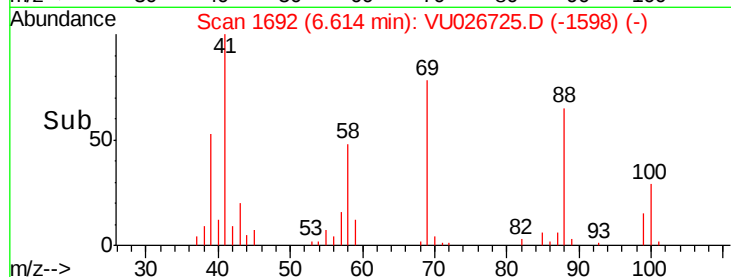
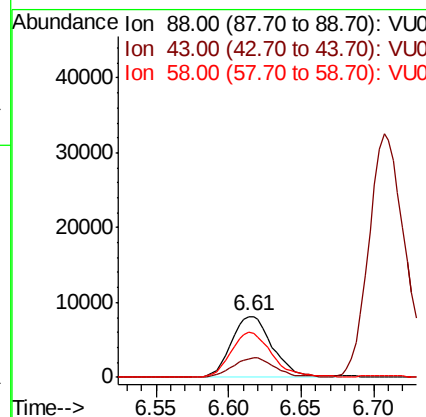
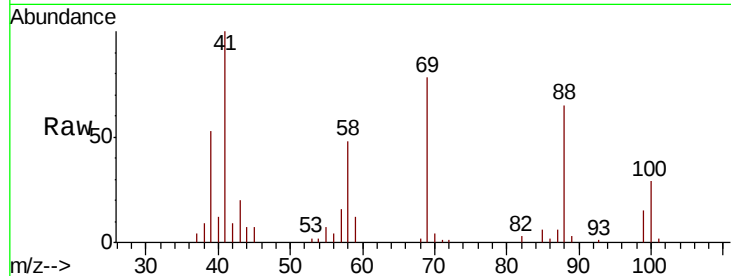
#49
1,4-Dioxane
Concen: 386.09 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	25.5	38.3
58	73.0	58.2	87.4

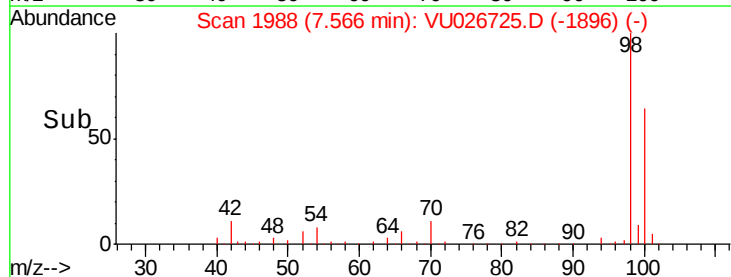
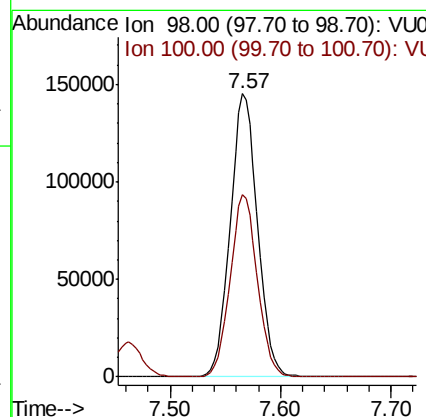
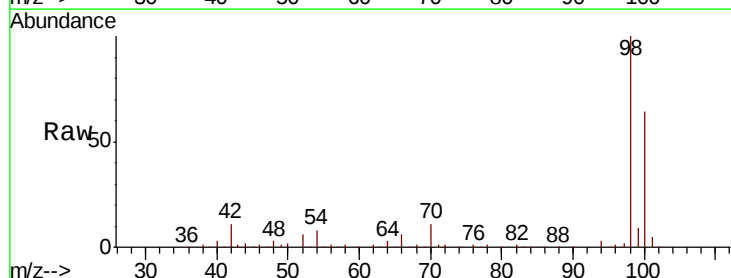
Manual Integrations
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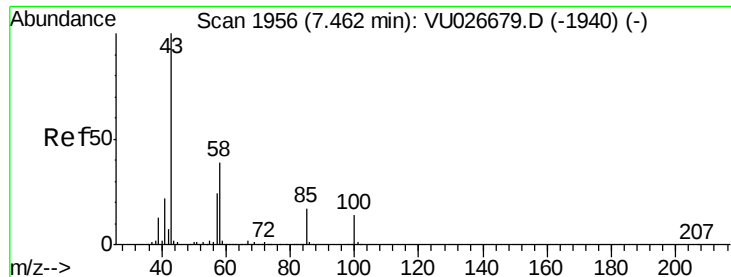
MMDadoda
9/17/2018 11:34:57 AM



#50
Toluene-d8
Concen: 48.25 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 94.75 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU026725.D

Acq: 13 Sep 2018 11:06

Instrument :

MSVOA_U

ClientSampleId :

VU0914MBSD01

Tot Ion: 43 Resp: 222757

Ion Ratio Lower Upper

43 100

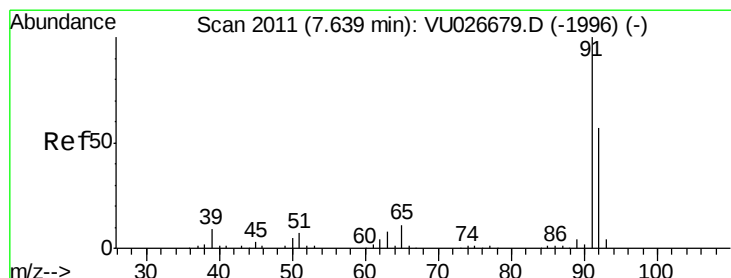
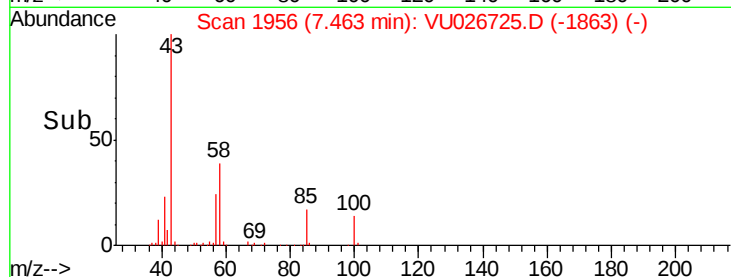
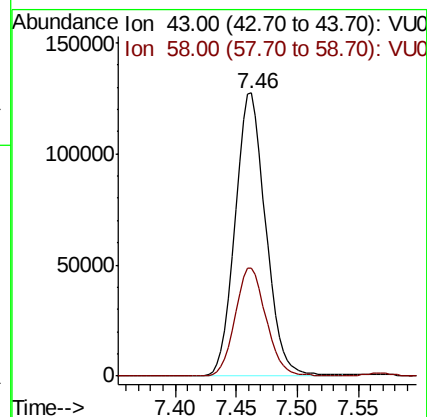
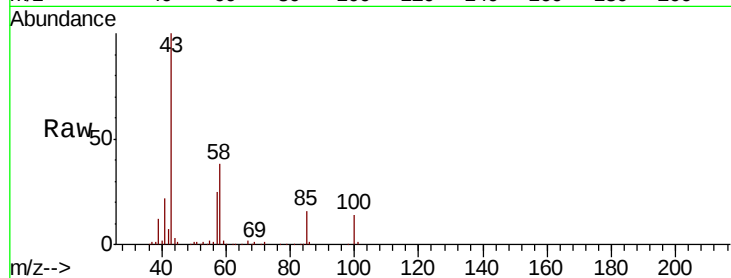
58 38.7 31.1 46.7

Manual Integrations

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9/17/2018 11:34:57 AM



#52

Toluene

Concen: 19.30 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026725.D

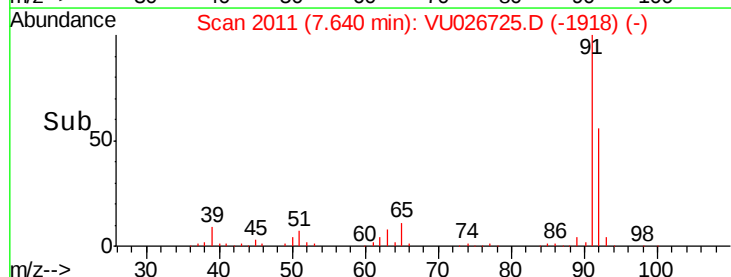
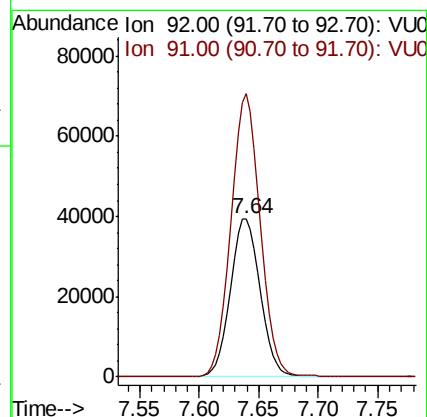
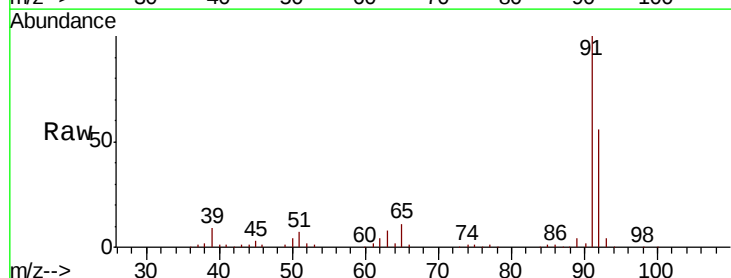
Acq: 13 Sep 2018 11:06

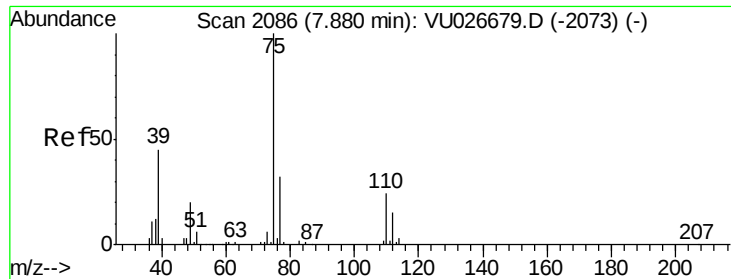
Tgt Ion: 92 Resp: 68523

Ion Ratio Lower Upper

92 100

91 176.0 141.1 211.7





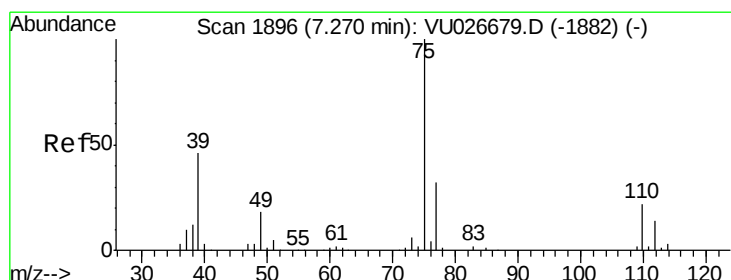
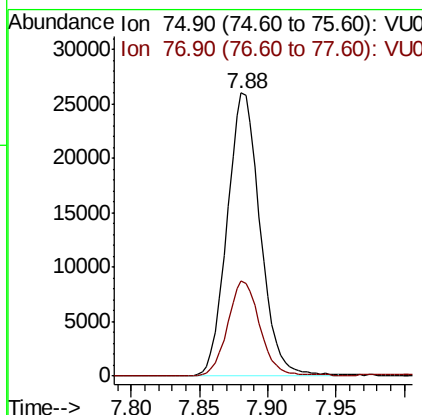
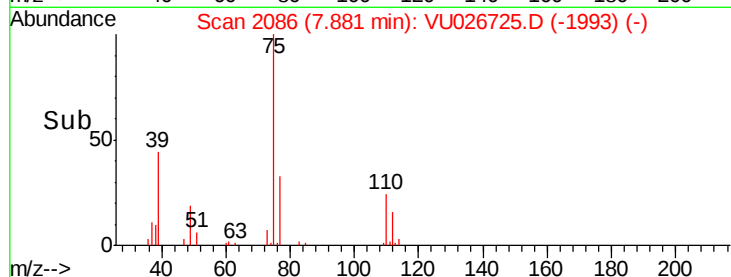
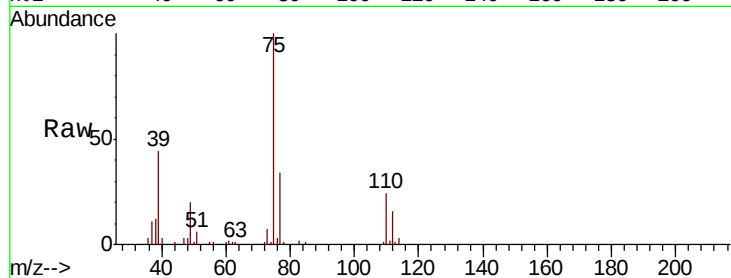
#53
t-1,3-Dichloropropene
Concen: 19.21 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBSD01

Tot Ion: 75 Resp: 43883
Ion Ratio Lower Upper
75 100
77 33.5 25.2 37.8

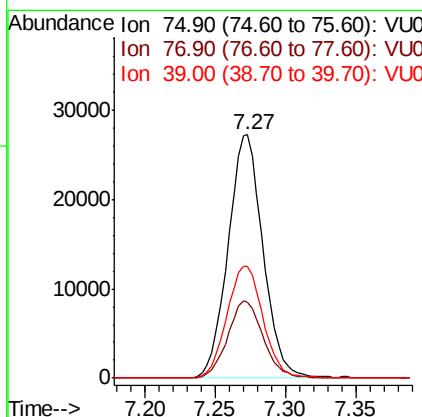
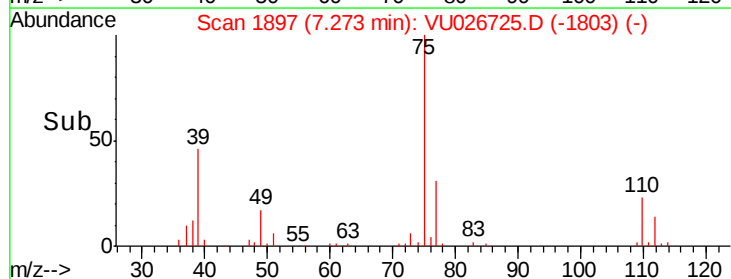
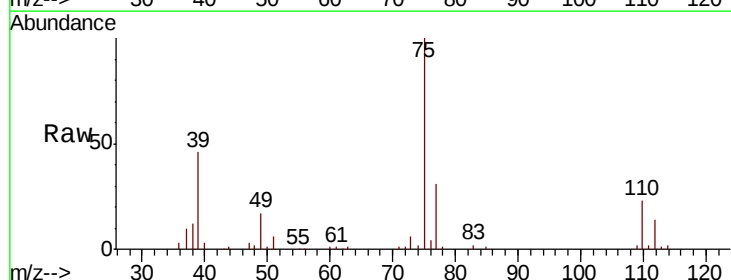
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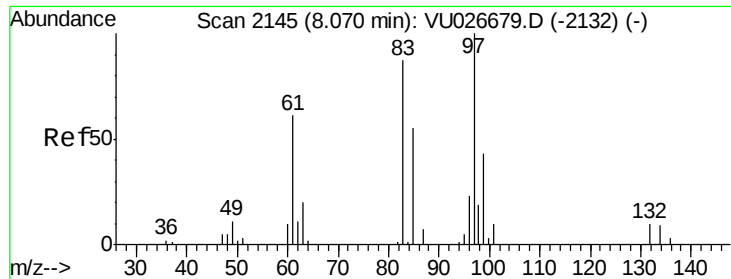
MMDadoda
9/17/2018 11:34:57 AM



#54
cis-1,3-Dichloropropene
Concen: 19.26 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Tgt Ion: 75 Resp: 47242
Ion Ratio Lower Upper
75 100
77 31.4 25.5 38.3
39 45.7 37.0 55.6





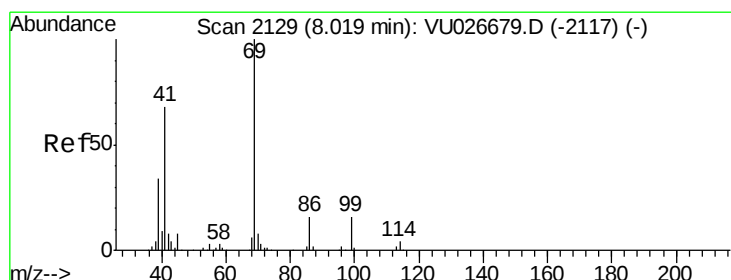
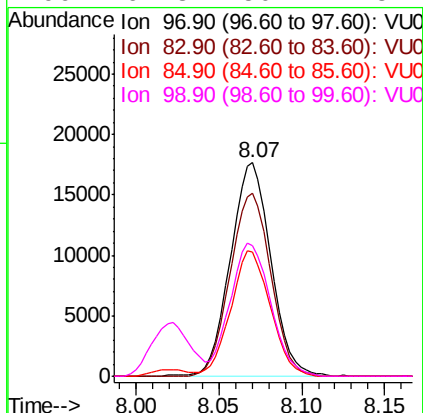
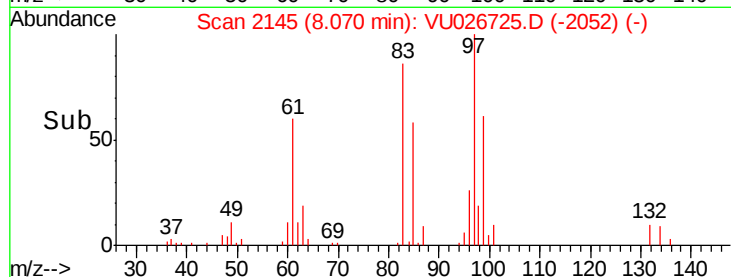
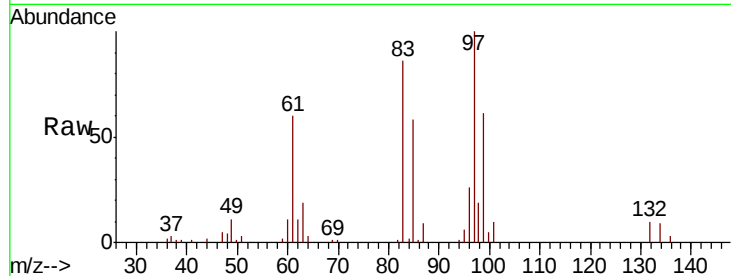
#55
 1,1,2-Trichloroethane
 Concen: 19.67 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBSD01

Tot Ion:	97	Resp:	29927
Ion	Ratio	Lower	Upper
97	100		
83	85.5	69.3	103.9
85	58.3	45.9	68.9
99	61.3	50.1	75.1

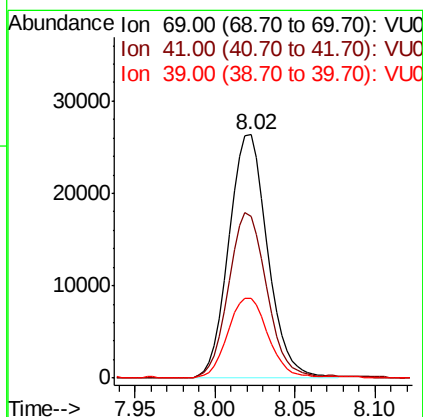
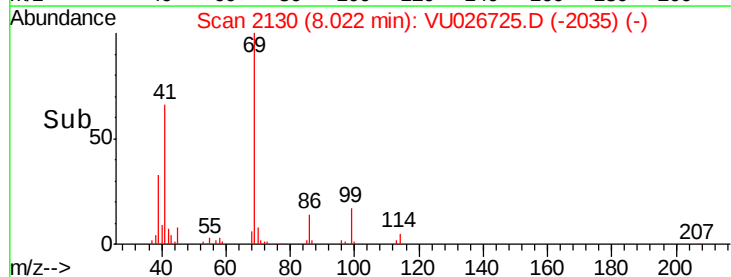
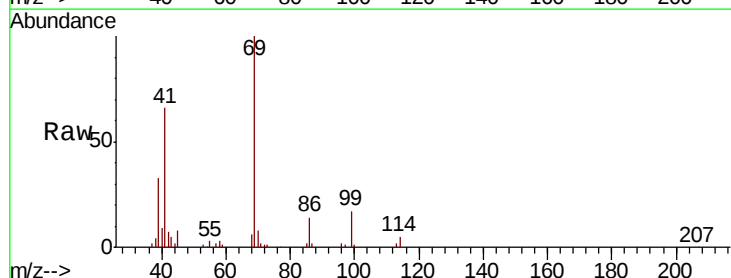
Manual Integrations
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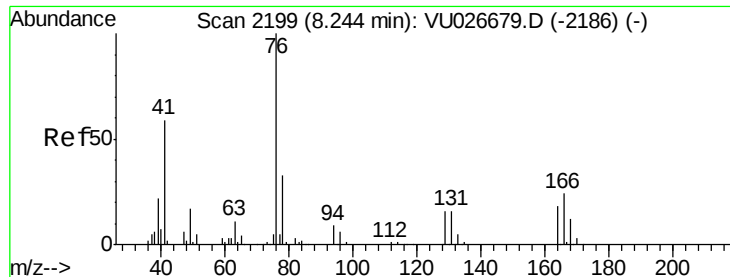
MMDadoda
 9/17/2018 11:34:57 AM



#56
 Ethyl methacrylate
 Concen: 18.80 ug/l
 RT: 8.02 min Scan# 2130
 Delta R.T. 0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Tgt Ion:	69	Resp:	43337
Ion	Ratio	Lower	Upper
69	100		
41	67.1	54.2	81.2
39	35.0	28.4	42.6





#57

1,3-Dichloropropane

Concen: 19.52 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU026725.D

Acq: 13 Sep 2018 11:06

Instrument :

MSVOA_U

ClientSampleId :

VU0914MBSD01

Tot Ion: 76 Resp: 50606

Ion Ratio Lower Upper

76 100

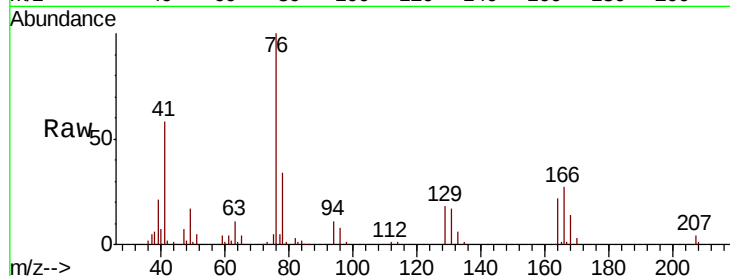
78 32.8 26.0 39.0

Manual Integrations

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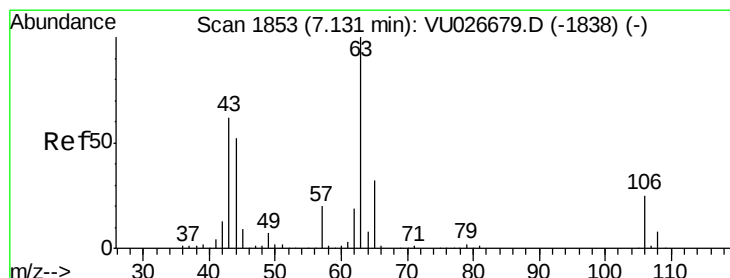
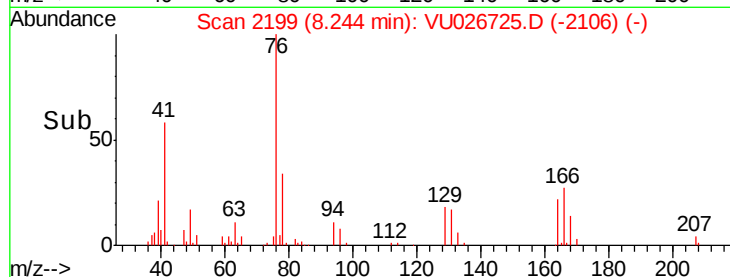
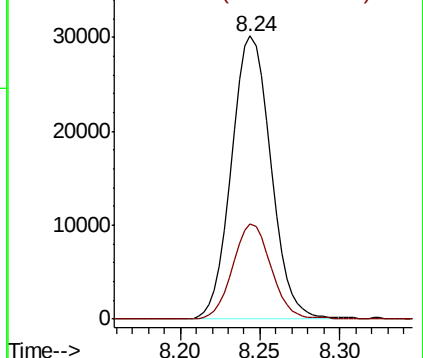
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 92.07 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU026725.D

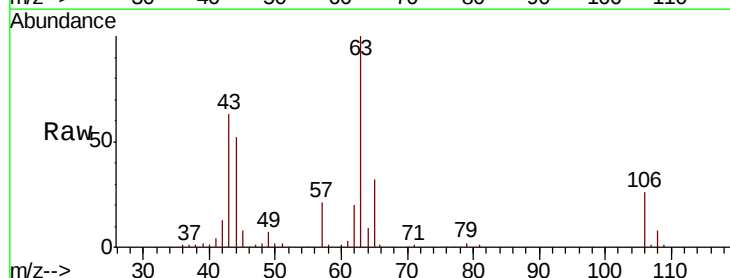
Acq: 13 Sep 2018 11:06

Tgt Ion: 63 Resp: 105237

Ion Ratio Lower Upper

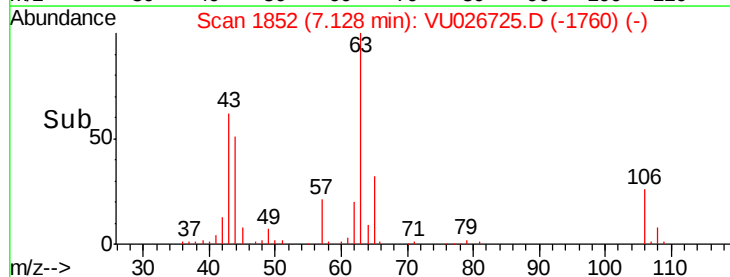
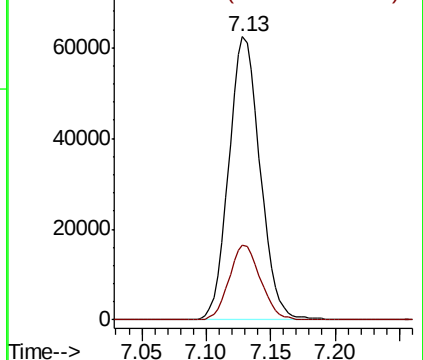
63 100

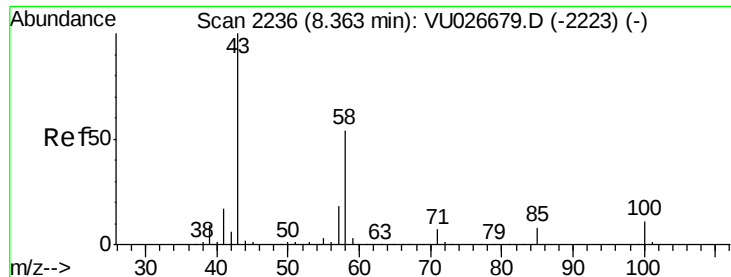
106 26.4 20.5 30.7



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





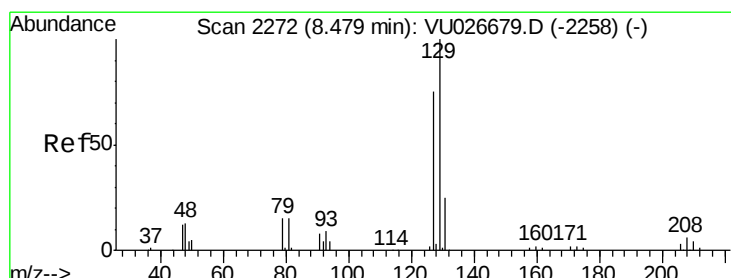
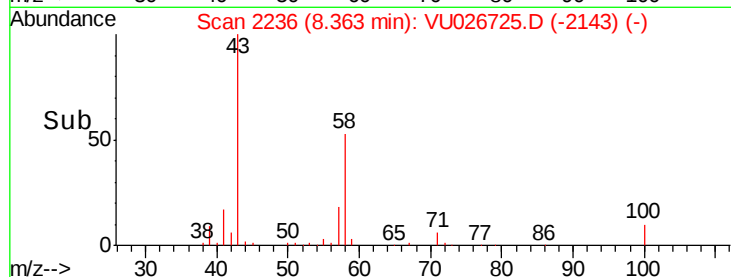
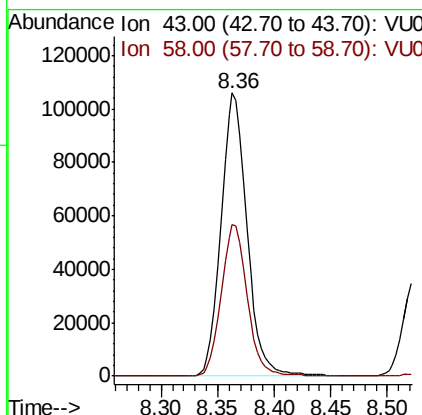
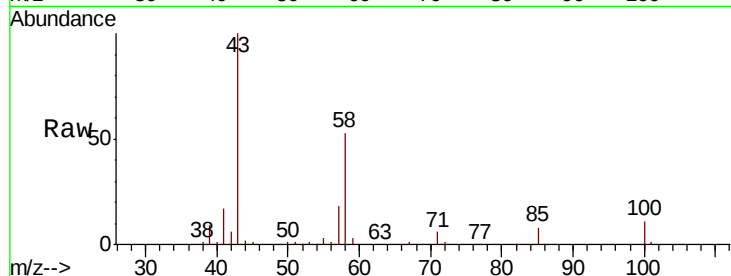
#59
2-Hexanone
Concen: 91.67 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBSD01

Tot Ion	43	58	Ratio	Lower	Upper
169620	100	53.8		26.9	80.7

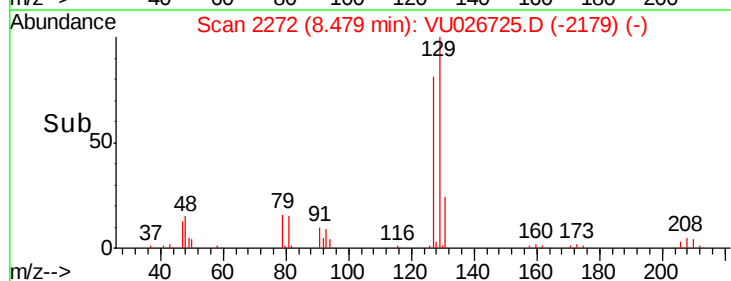
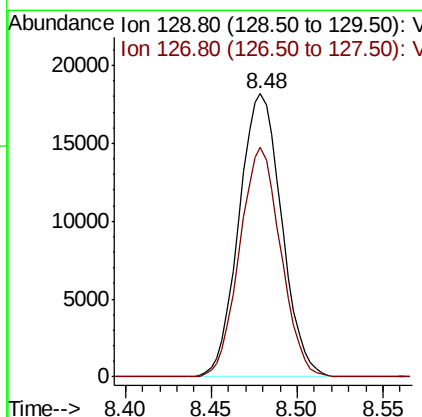
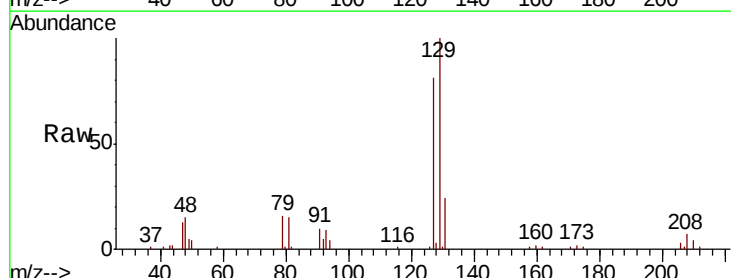
Manual Integrations
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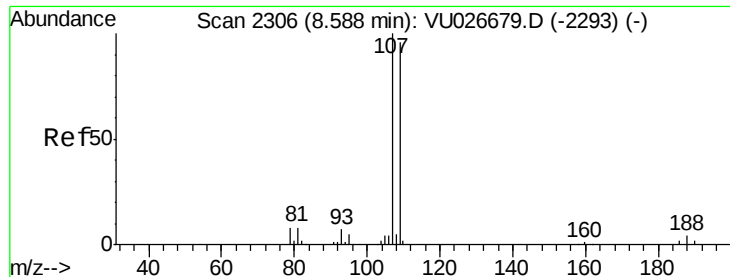
MMDadoda
9/17/2018 11:34:57 AM



#60
Dibromochloromethane
Concen: 18.98 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Tgt Ion	129	127	Ratio	Lower	Upper
31280	100	77.9		38.3	114.9





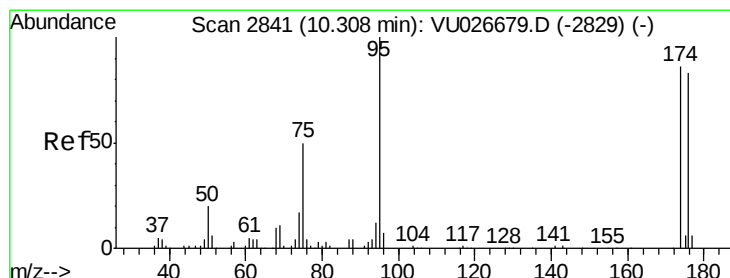
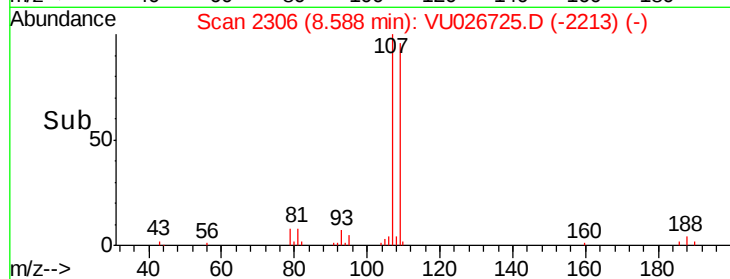
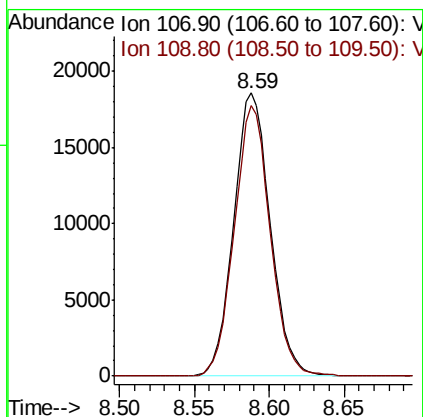
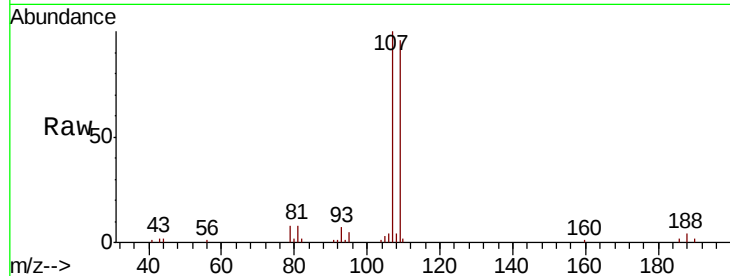
#61
 1,2-Dibromoethane
 Concen: 19.15 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.7	113.5

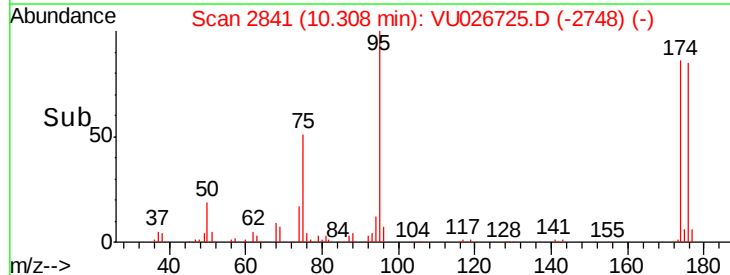
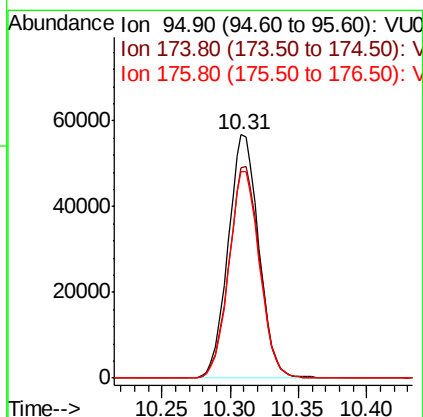
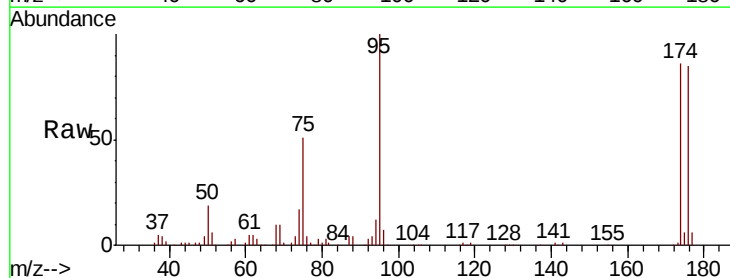
Manual Integrations
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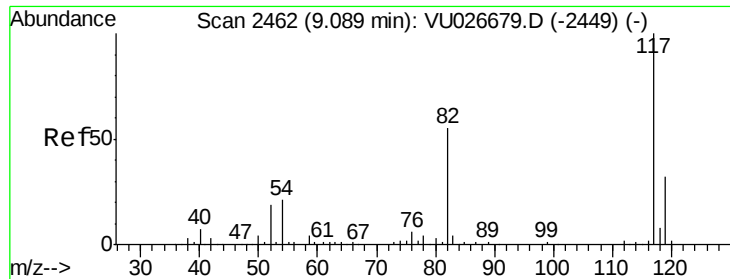
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 9/17/2018 11:34:57 AM



#62
 4-Bromofluorobenzene
 Concen: 47.41 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.4	0.0	172.8
176	84.9	0.0	168.6





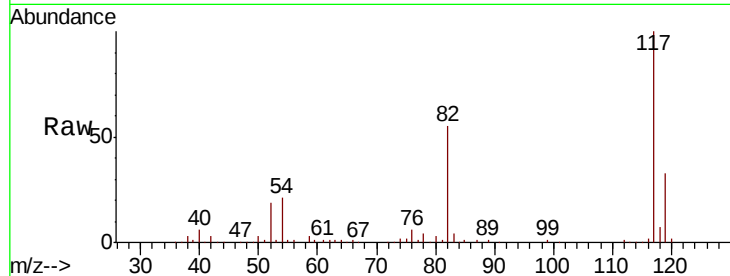
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Instrument :
MSVOA_U
ClientSampleID :
VU0914MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.1	66.1
119	32.9	25.7	38.5

Manual Integrations
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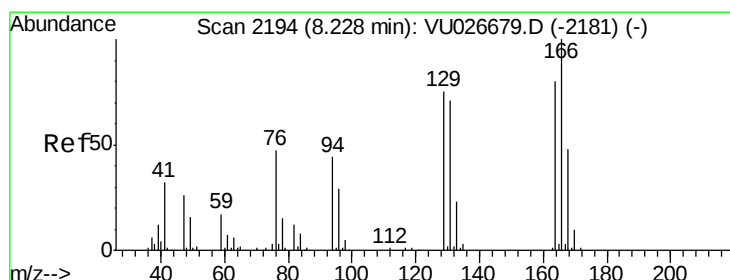
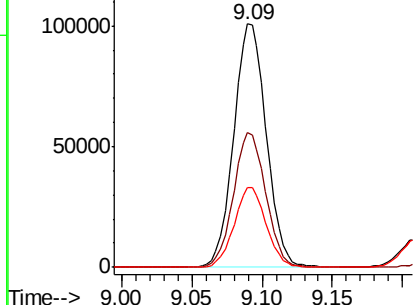
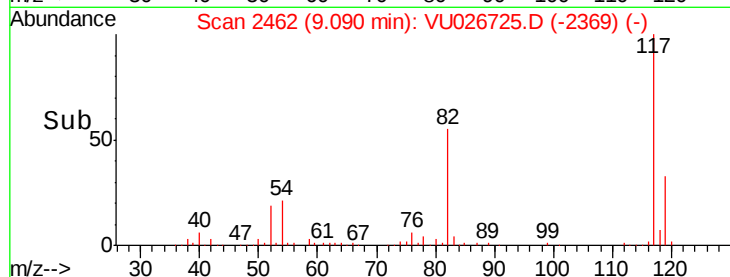


Abundance

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: 19.53 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	100.5	150.7
129	94.9	75.3	112.9
131	91.7	71.4	107.2

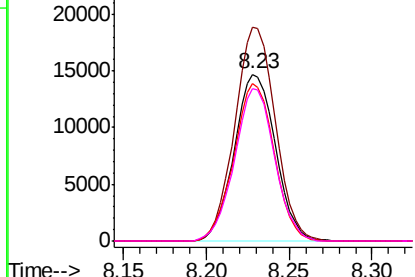
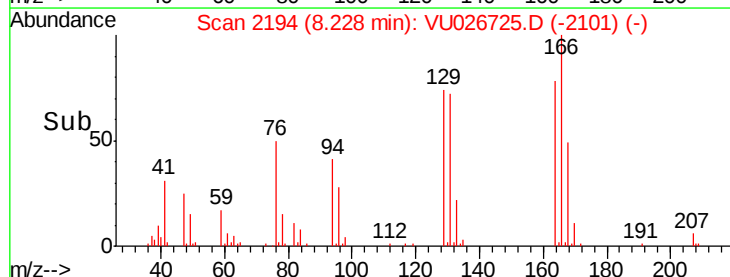
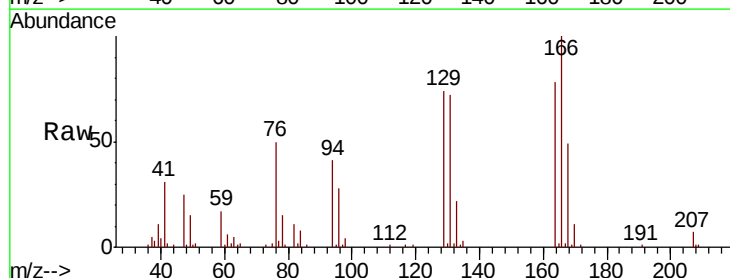
Abundance

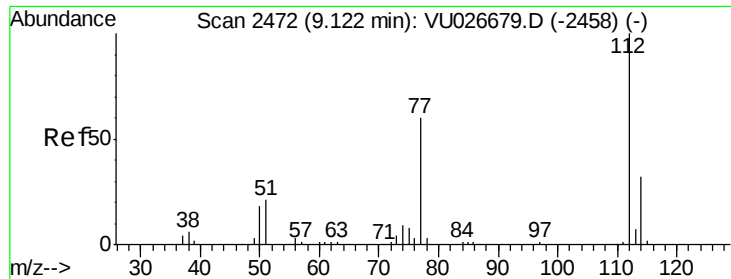
Ion 163.80 (163.50 to 164.50): V

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





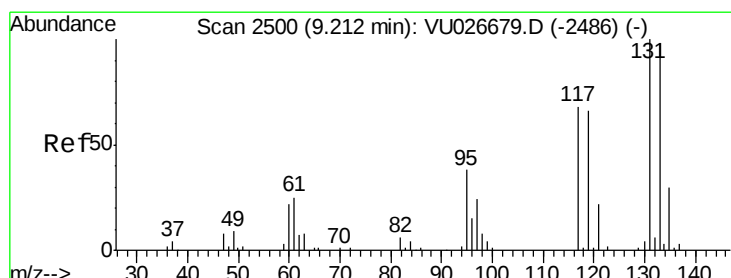
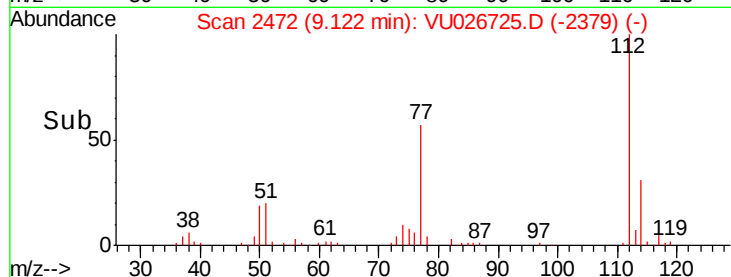
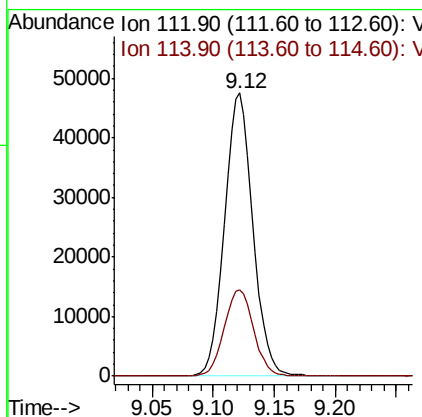
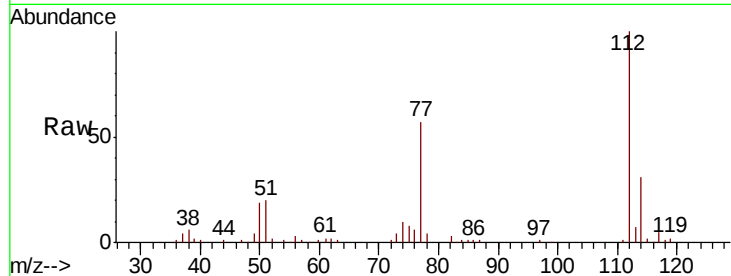
#65
Chlorobenzene
Concen: 19.08 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBSD01

Tot Ion:112 Resp: 77422
Ion Ratio Lower Upper
112 100
114 30.7 25.5 38.3

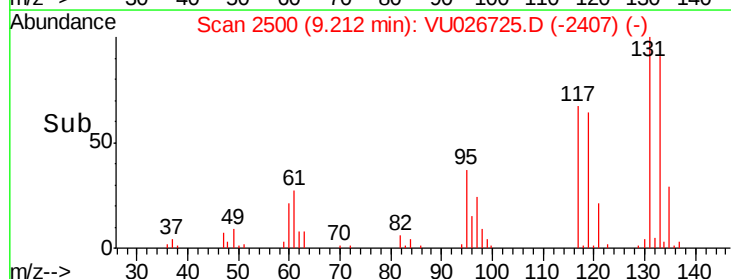
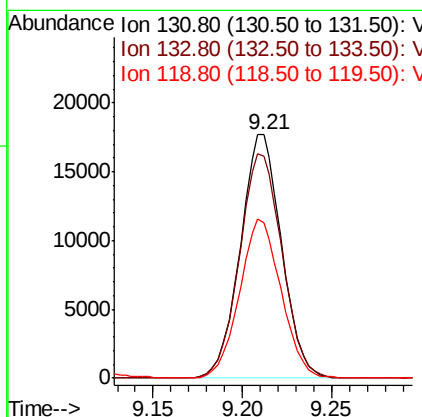
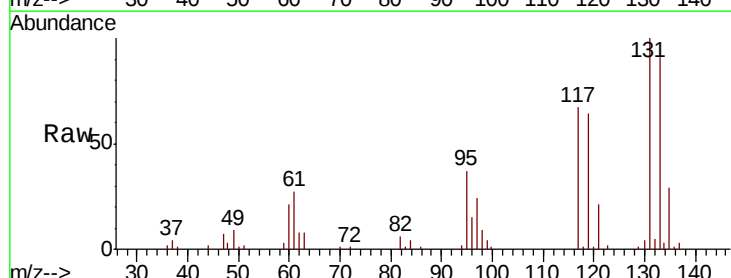
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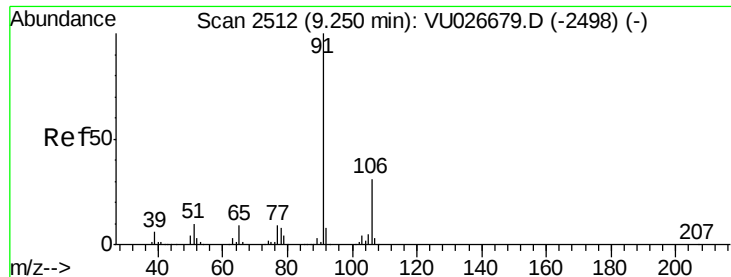
MMDadoda
9/17/2018 11:34:57 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.17 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Tgt Ion:131 Resp: 28625
Ion Ratio Lower Upper
131 100
133 94.9 48.9 146.6
119 65.6 32.7 98.1





#67

Ethyl Benzene

Concen: 19.15 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU026725.D

Acq: 13 Sep 2018 11:06

Instrument :

MSVOA_U

ClientSampleId :

VU0914MBSD01

Tot Ion: 91 Resp: 128033

Ion Ratio Lower Upper

91 100

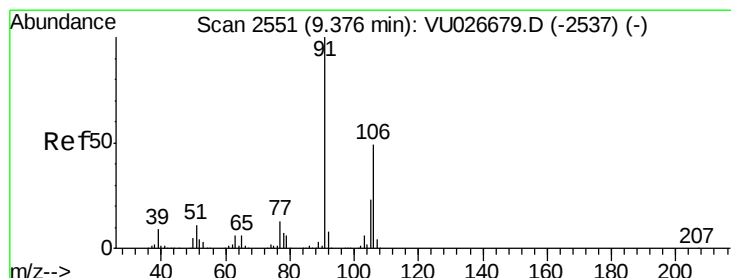
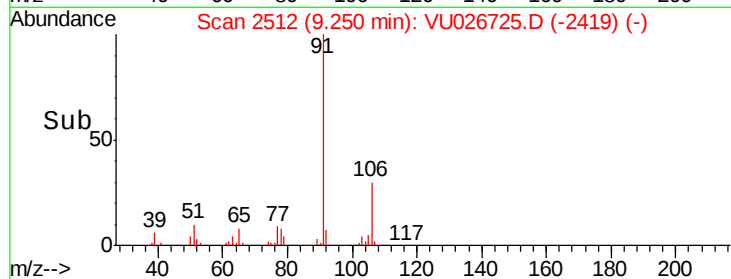
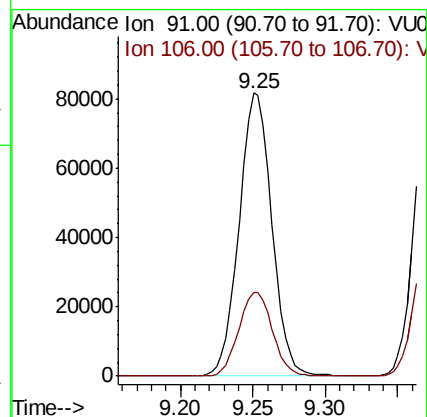
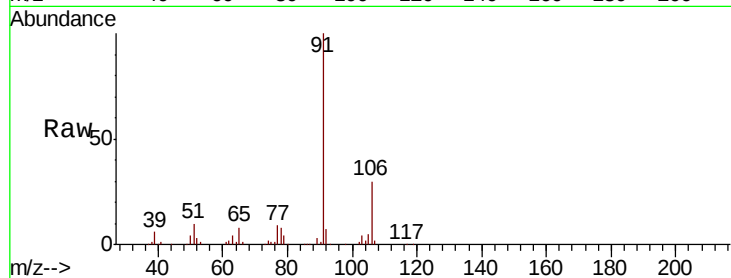
106 29.8 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.18 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU026725.D

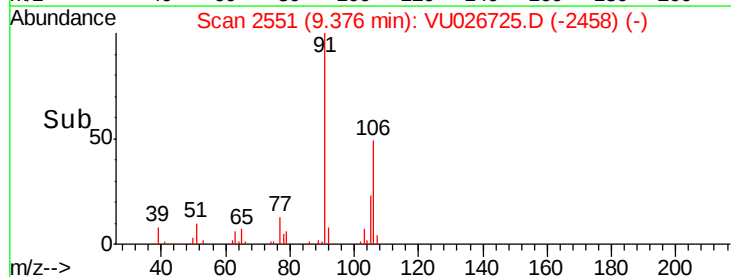
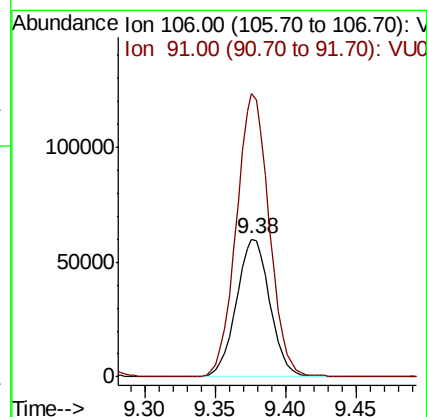
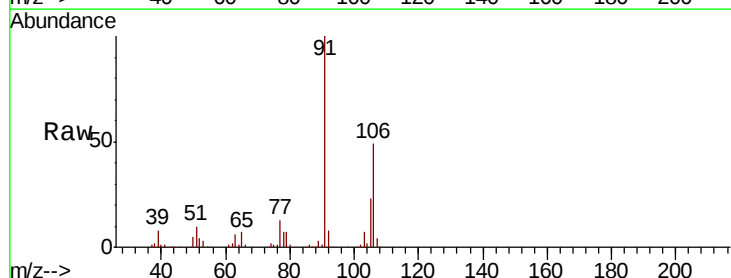
Acq: 13 Sep 2018 11:06

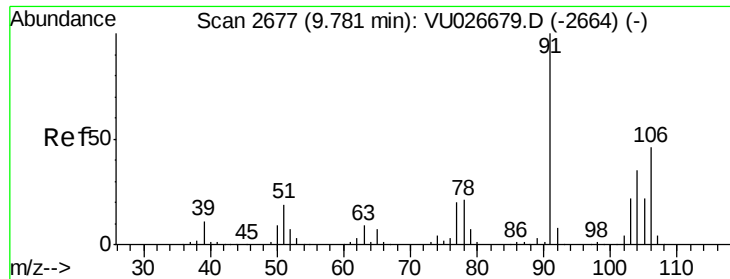
Tgt Ion: 106 Resp: 99656

Ion Ratio Lower Upper

106 100

91 201.5 162.1 243.1





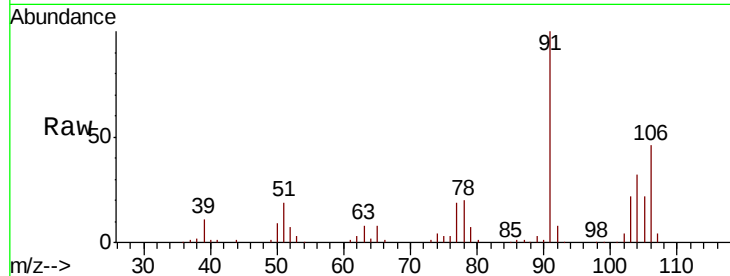
#69
o-Xylene
Concen: 18.33 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Instrument :
MSVOA_U
ClientSampled :
VU0914MBSD01

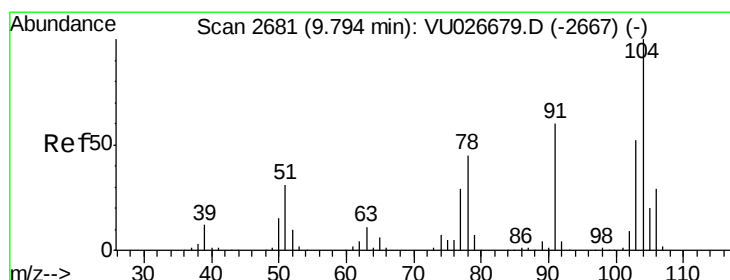
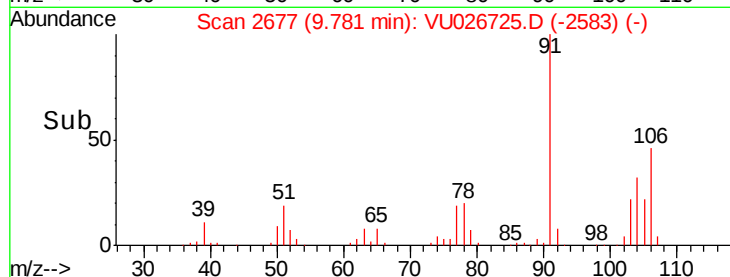
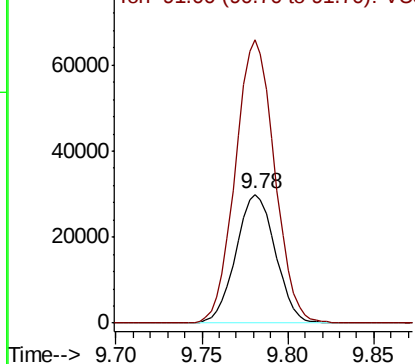
Tot Ion:106 Resp: 47630
Ion Ratio Lower Upper
106 100
91 218.9 106.9 320.8

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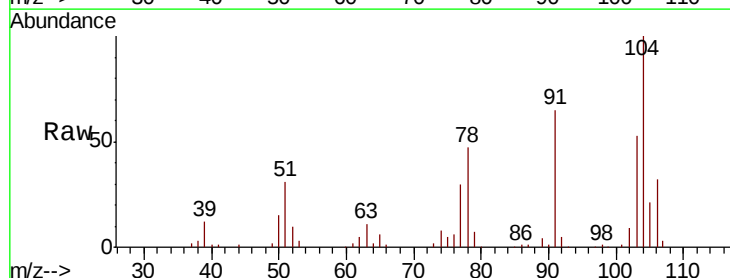


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

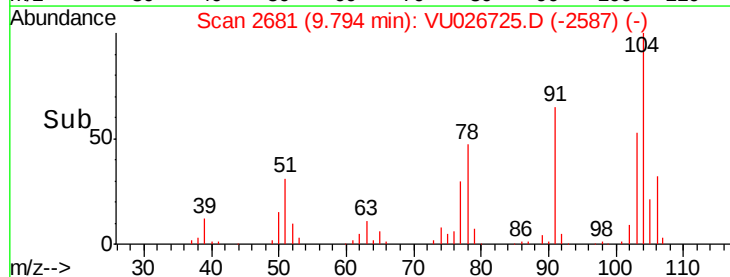
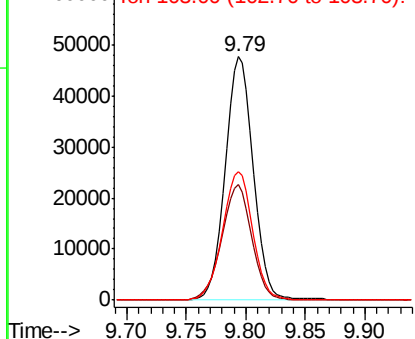


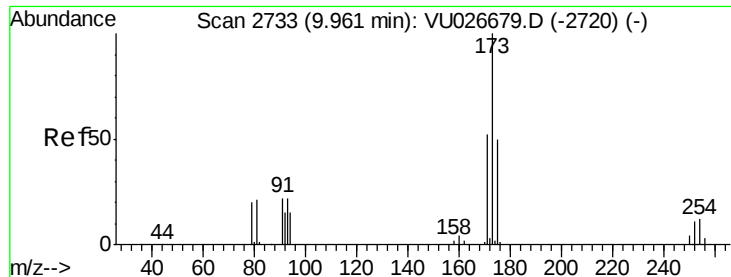
#70
Styrene
Concen: 18.25 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Tgt Ion:104 Resp: 77916
Ion Ratio Lower Upper
104 100
78 50.4 39.4 59.2
103 56.7 44.5 66.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





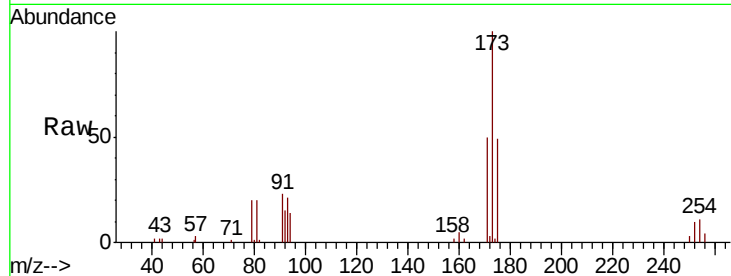
#71
Bromoform
Concen: 19.64 ug/l
RT: 9.96 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.7	74.1
254	0.0	0.0	0.0

Manual Integrations
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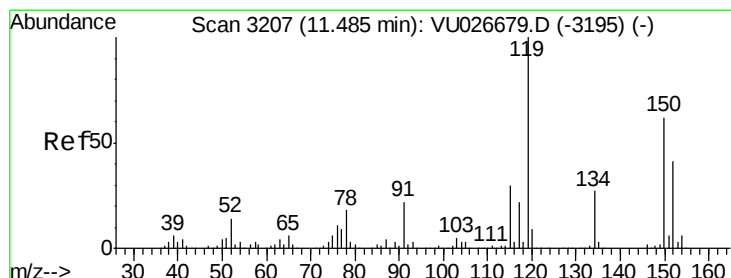
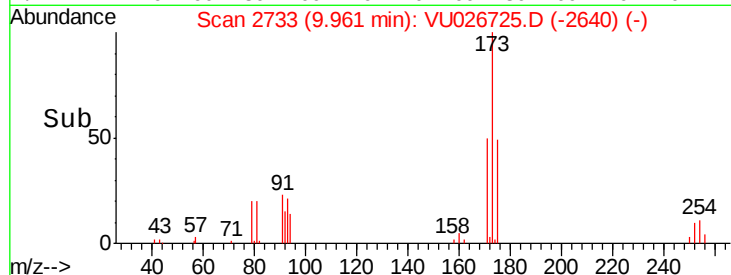
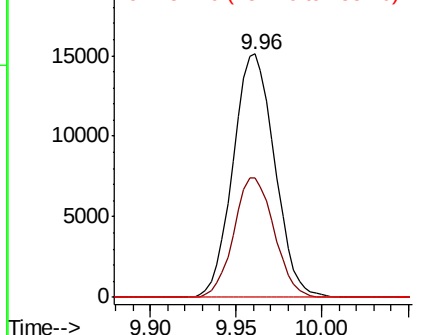


Abundance

Ion 172.70 (172.40 to 173.40): V

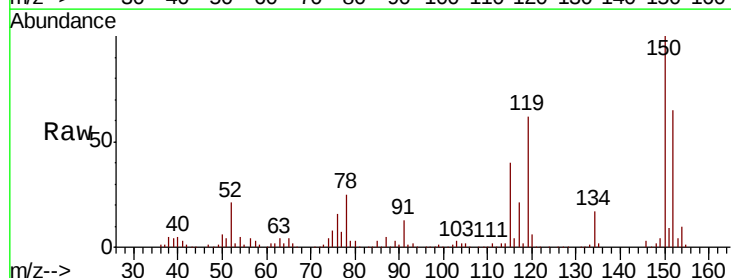
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.1	40.4	121.1
150	161.6	0.0	345.2

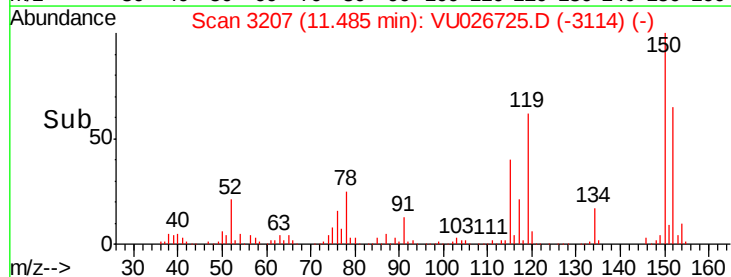
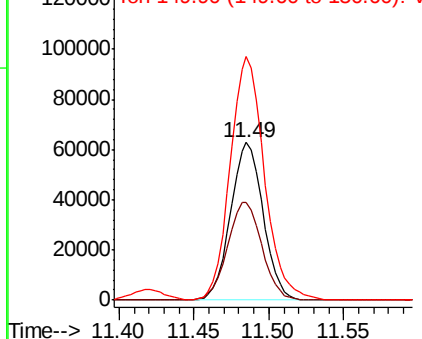


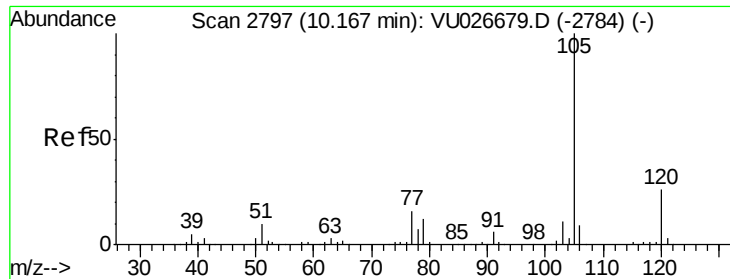
Abundance

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





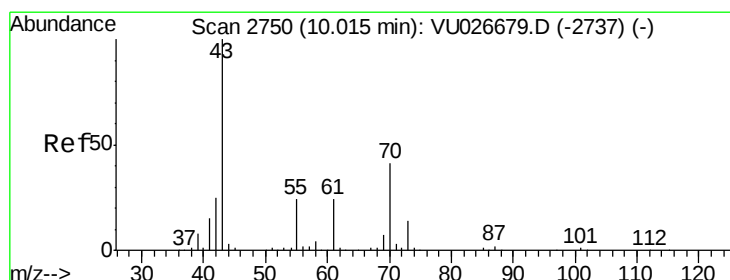
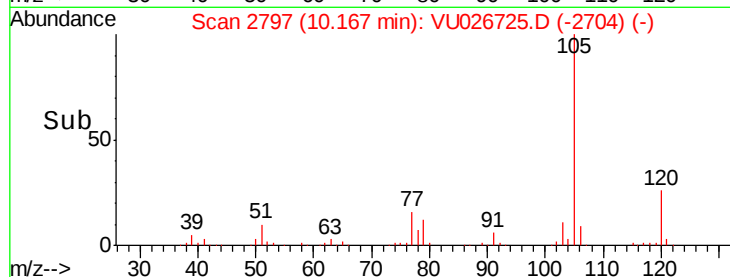
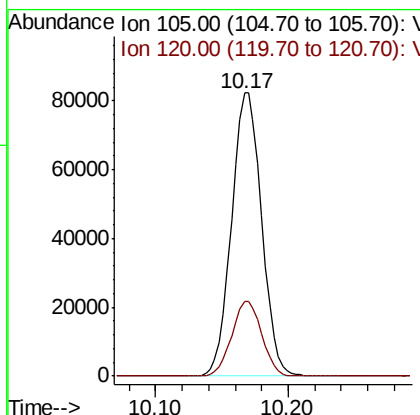
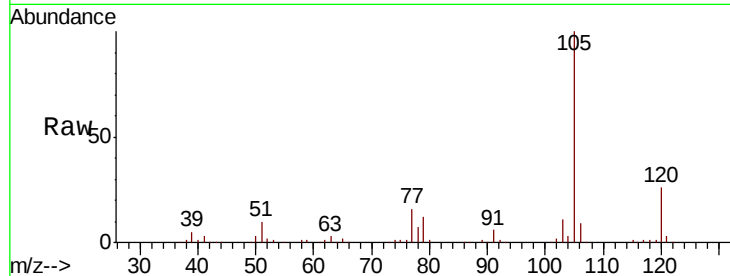
#73
Isopropylbenzene
Concen: 19.94 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.3	39.9

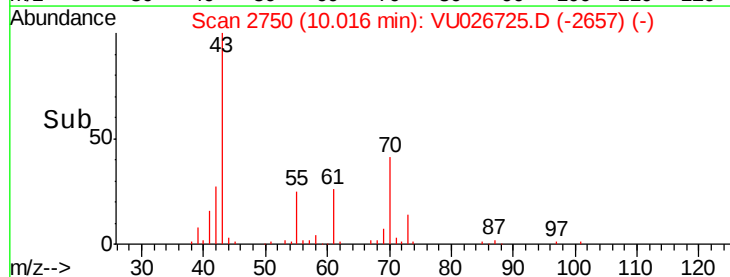
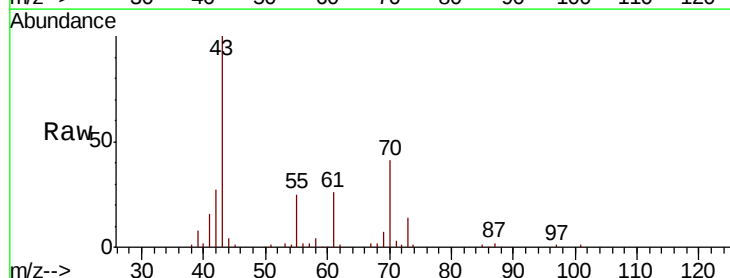
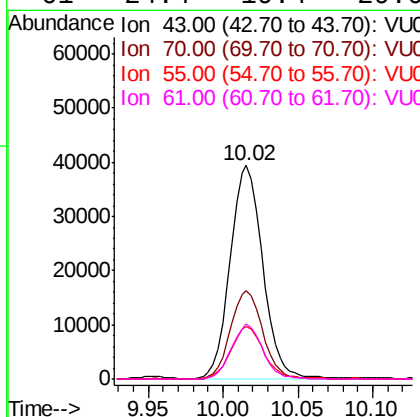
Manual Integrations
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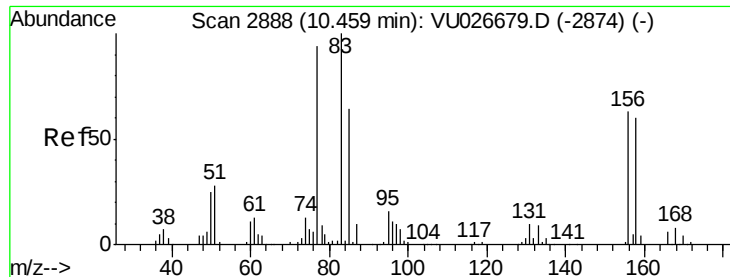
MMDadoda
9/17/2018 11:34:57 AM



#74
N-ethyl acetate
Concen: 19.61 ug/l
RT: 10.02 min Scan# 2750
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.8	32.6	48.8
55	24.8	19.1	28.7
61	24.4	19.4	29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.68 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026725.D

Acq: 13 Sep 2018 11:06

Instrument :

MSVOA_U

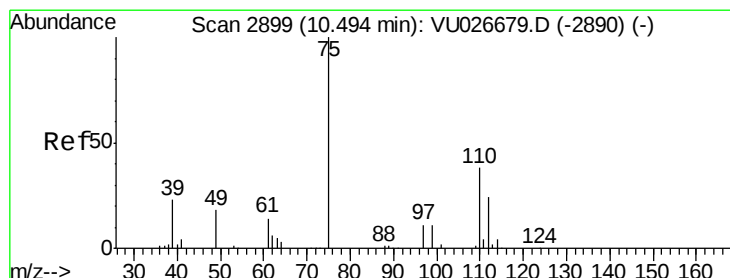
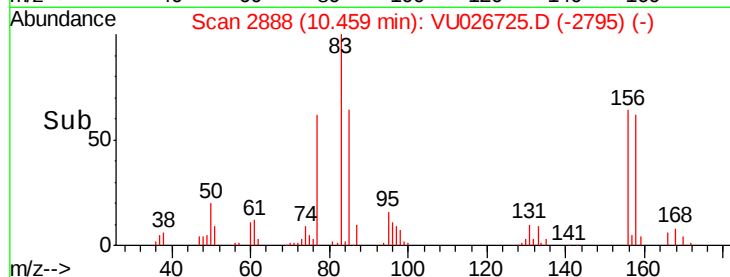
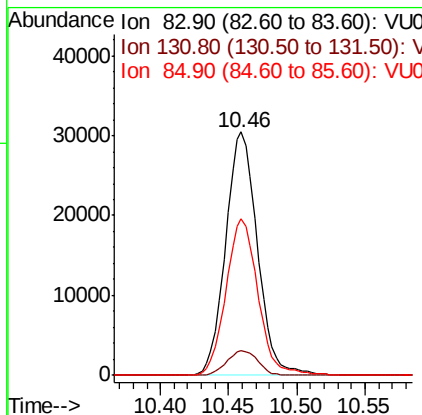
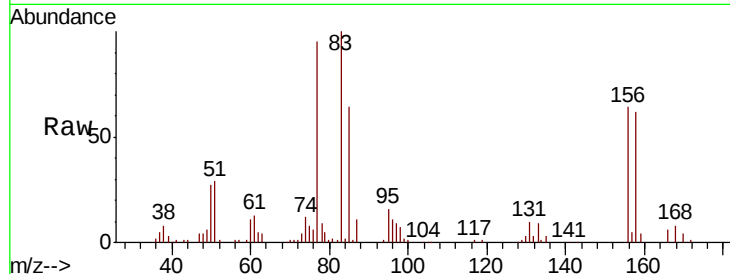
ClientSampleId :

VU0914MBSD01

Tot Ion:	83	Resp:	49421
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.6
85	64.7	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.46 ug/l m

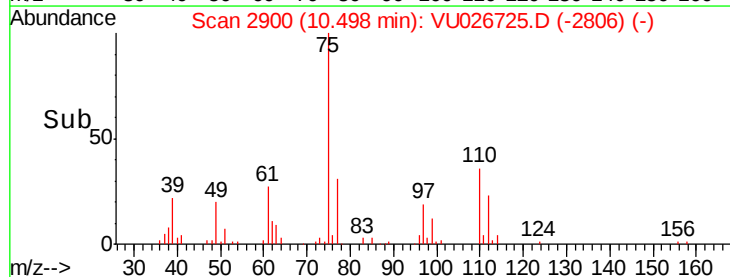
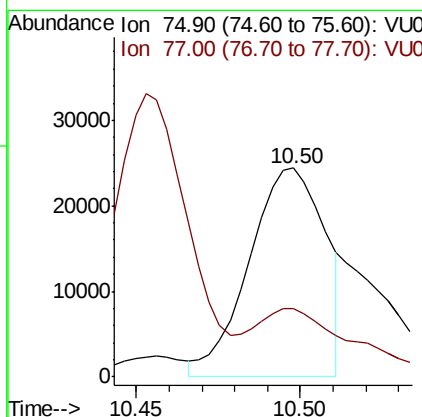
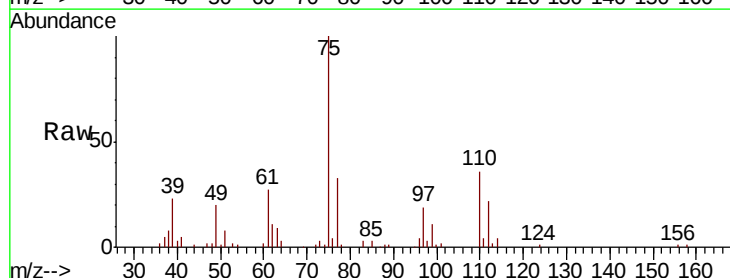
RT: 10.50 min Scan# 2900

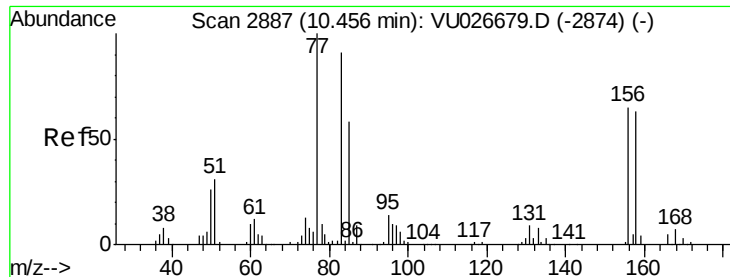
Delta R.T. 0.00 min

Lab File: VU026725.D

Acq: 13 Sep 2018 11:06

Tgt Ion:	75	Resp:	39377
Ion Ratio	Lower	Upper	
75	100		
77	41.8	21.1	63.1





#77

Bromobenzene

Concen: 19.27 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU026725.D

Acq: 13 Sep 2018 11:06

Instrument :

MSVOA_U

ClientSampleId :

VU0914MBSD01

Tot Ion:156 Resp: 33996

Ion Ratio Lower Upper

156 100

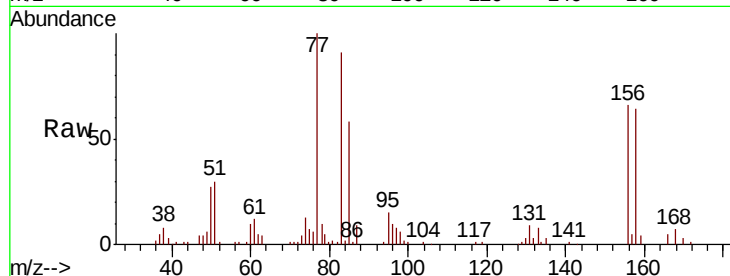
77 155.4 77.6 232.9

158 97.5 48.9 146.6

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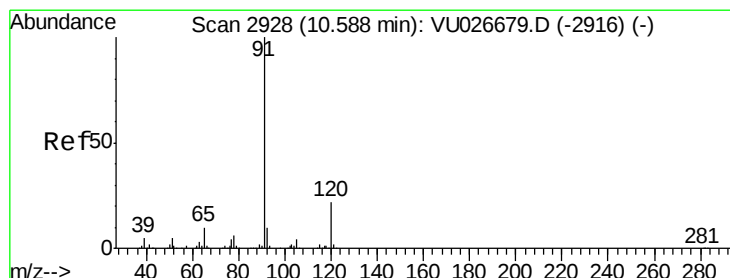
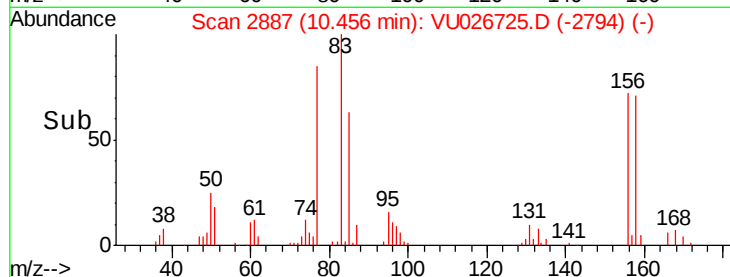
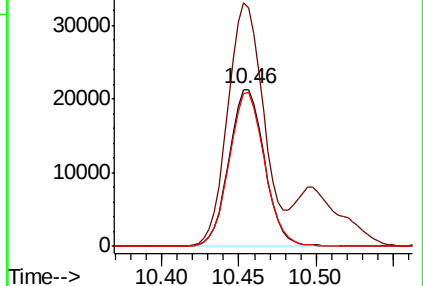
9/17/2018 11:34:57 AM



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: 20.09 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU026725.D

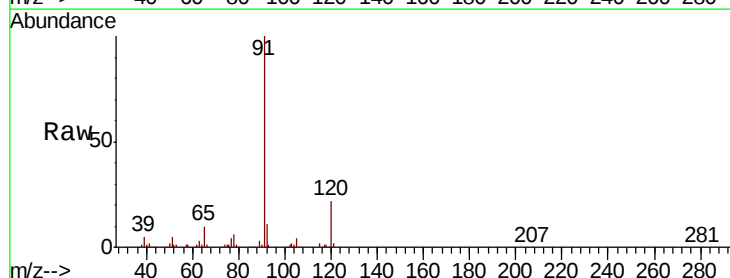
Acq: 13 Sep 2018 11:06

Tgt Ion: 91 Resp: 151633

Ion Ratio Lower Upper

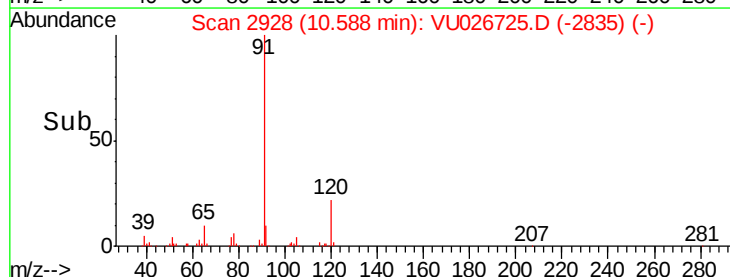
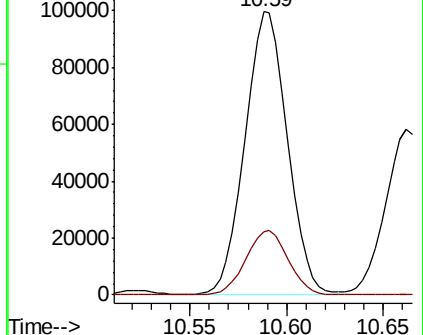
91 100

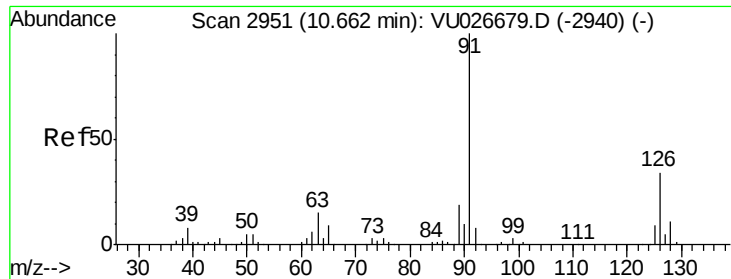
120 22.9 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.46 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU026725.D

Acq: 13 Sep 2018 11:06

Instrument :

MSVOA_U

ClientSampleId :

VU0914MBSD01

Tot Ion: 91 Resp: 91062

Ion Ratio Lower Upper

91 100

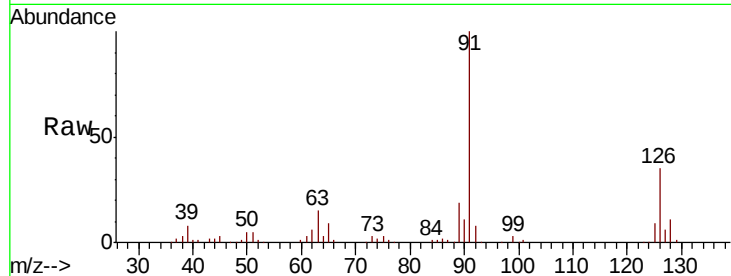
126 34.5 17.3 51.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU026679.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU026679.D (-2940) (-)

100000

80000

60000

40000

20000

0

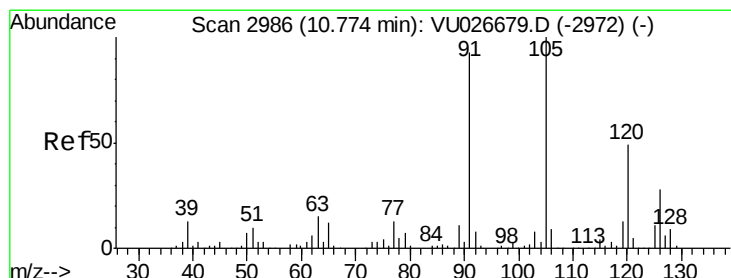
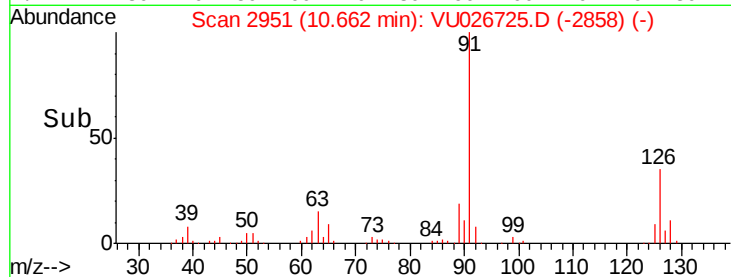
10.60

10.65

10.70

10.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.91 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026725.D

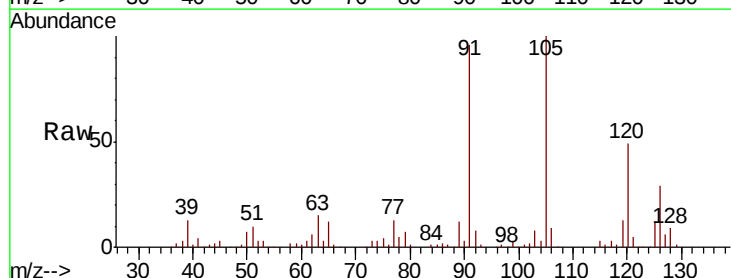
Acq: 13 Sep 2018 11:06

Tgt Ion:105 Resp: 108638

Ion Ratio Lower Upper

105 100

120 49.1 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VU026679.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU026679.D (-2972) (-)

80000

60000

40000

20000

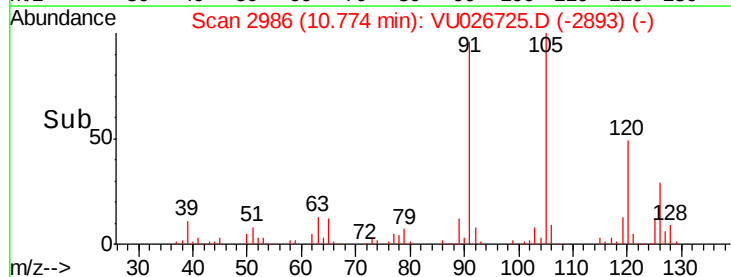
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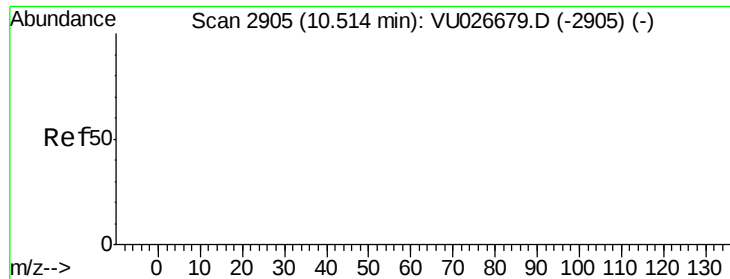
10.70

10.75

10.80

Time-->





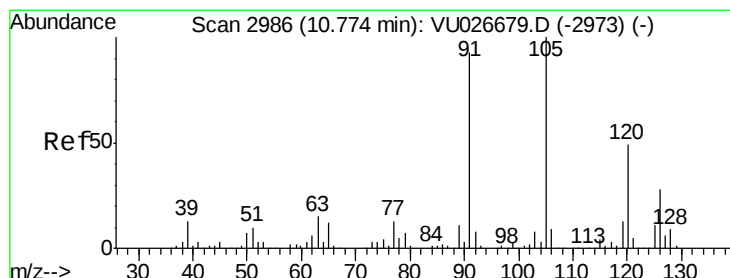
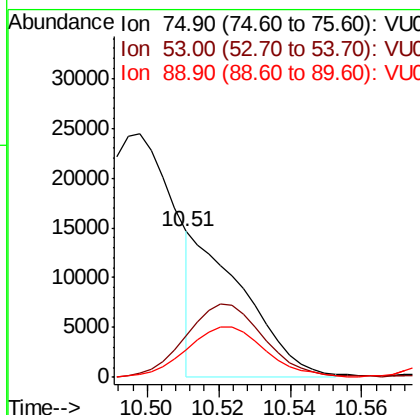
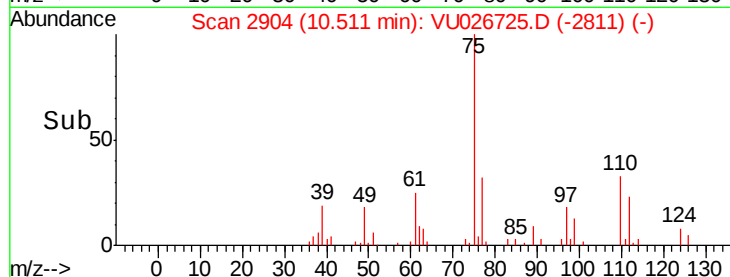
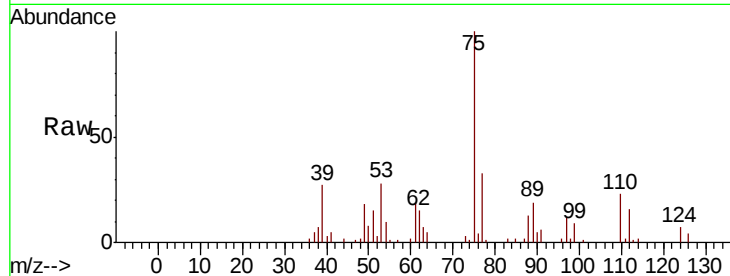
#81
trans-1,4-Dichloro-2-butene
Concen: 25.50 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. -0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBSD01

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

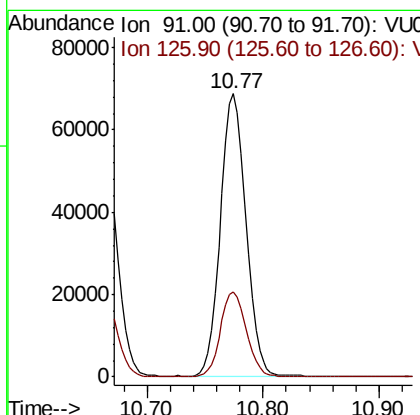
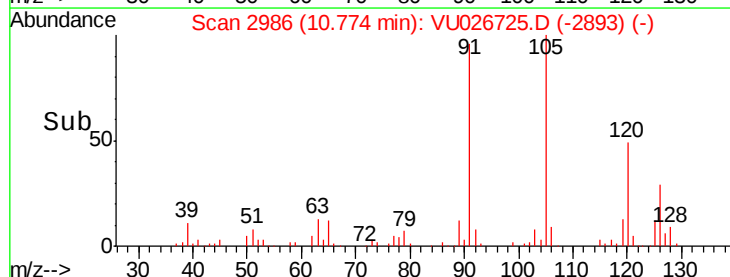
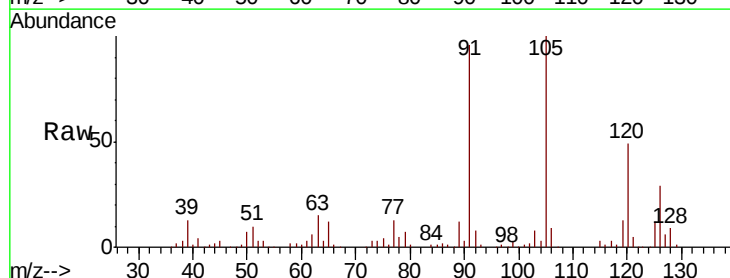
Manual Integrations
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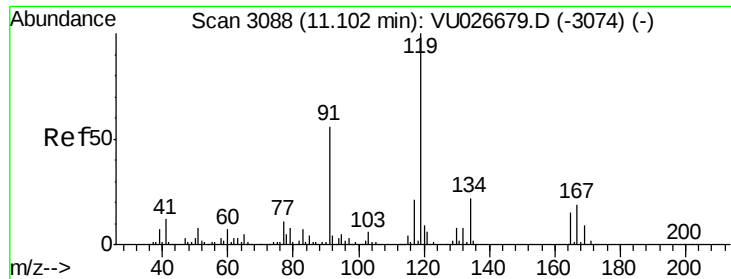
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.10 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.2	45.5





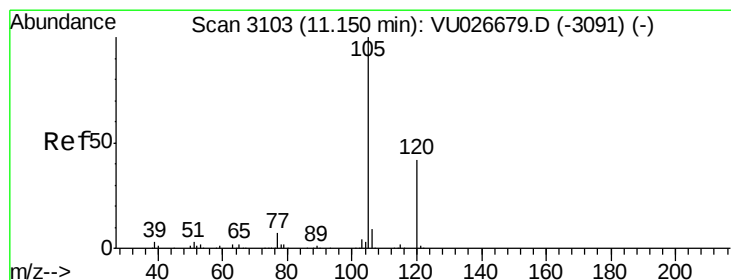
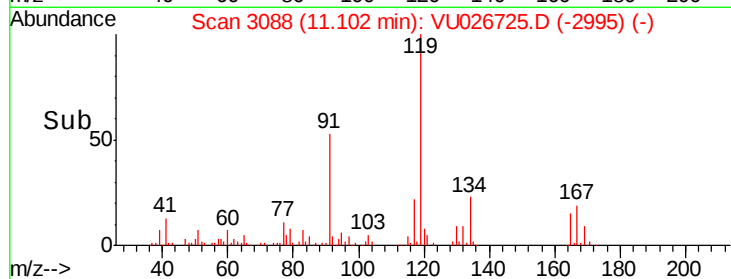
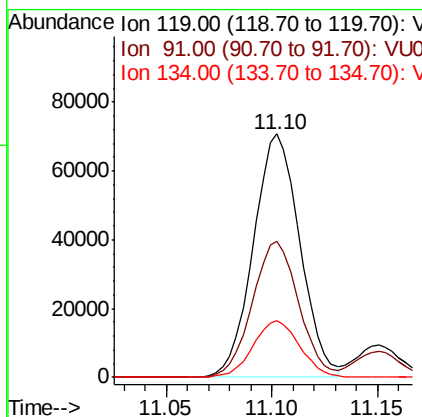
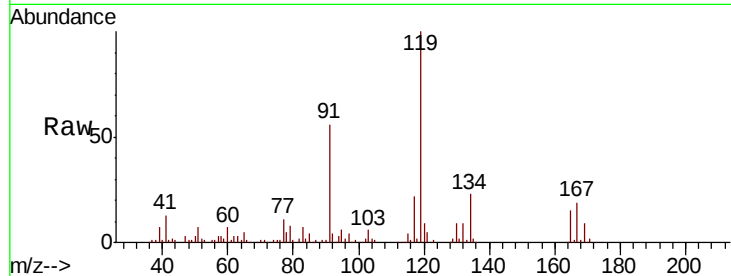
#83
tert-Butylbenzene
Concen: 19.64 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	108763		
91	56.0	28.3	85.0	
134	23.2	11.2	33.5	

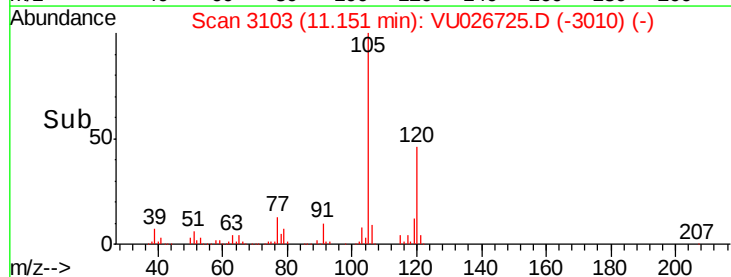
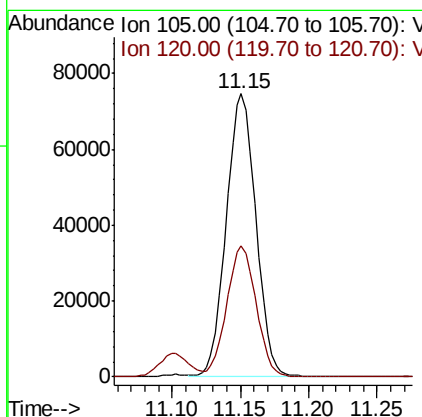
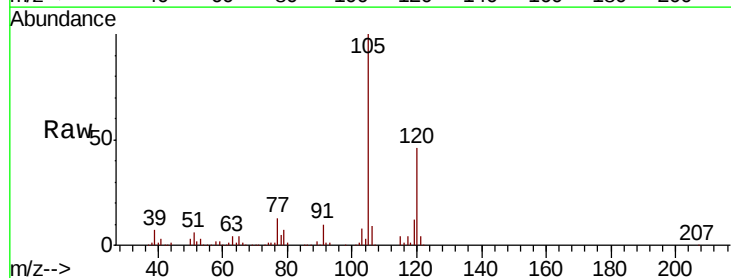
Manual Integrations
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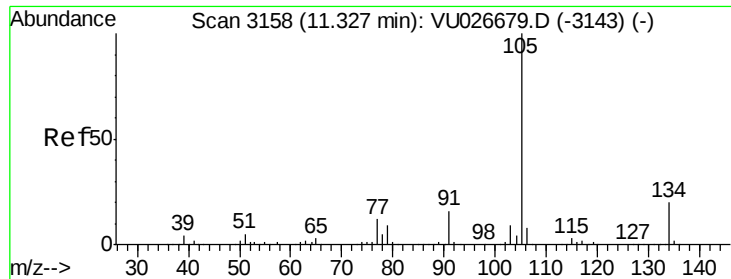
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#84
1,2,4-Trimethylbenzene
Concen: 20.56 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	113149		
120	46.0	23.3	69.8	





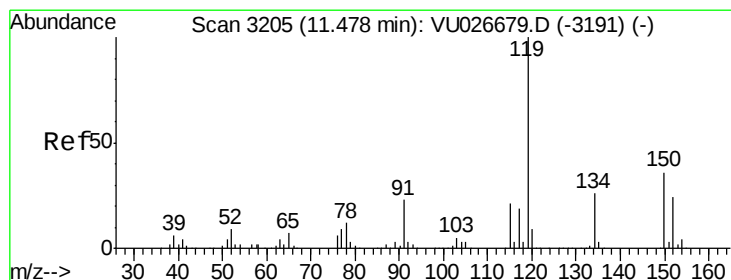
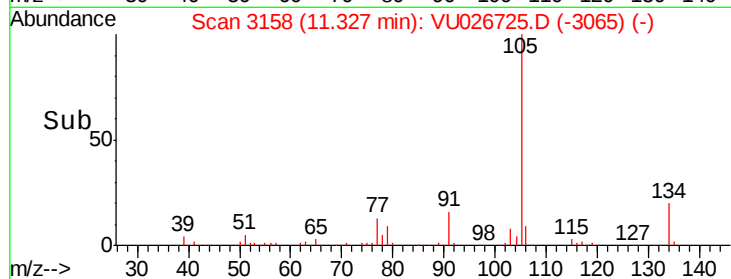
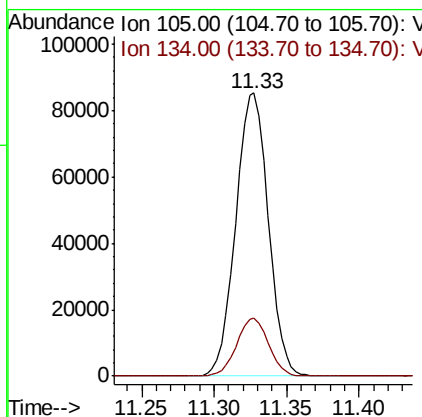
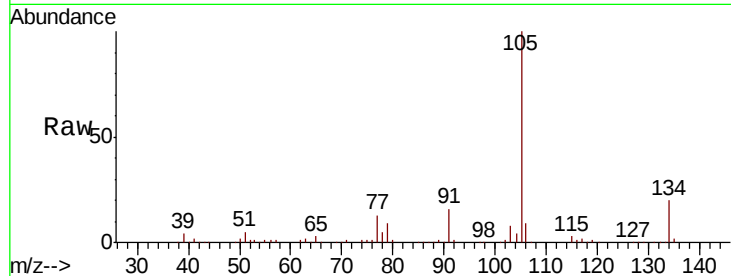
#85
 sec-Butylbenzene
 Concen: 20.17 ug/l
 RT: 11.33 min Scan# 3158
 Delta R.T. 0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.1	30.1

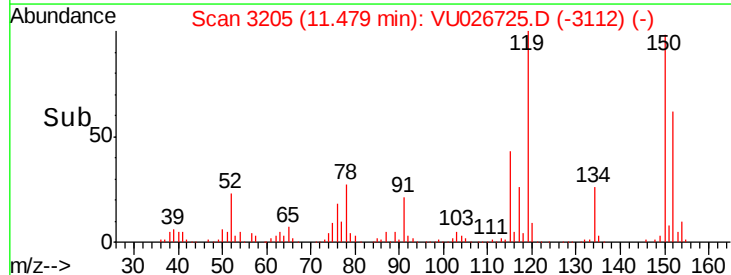
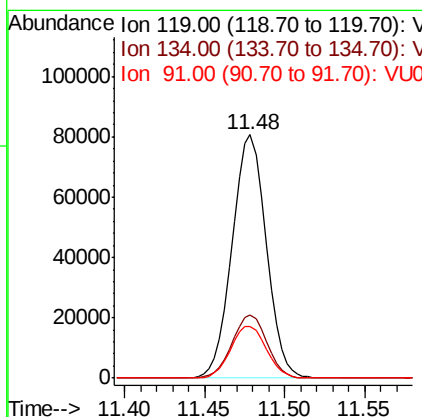
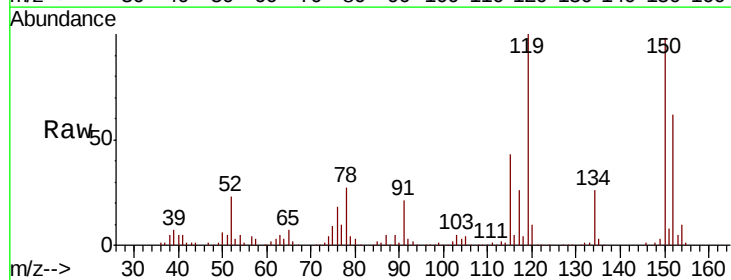
Manual Integrations
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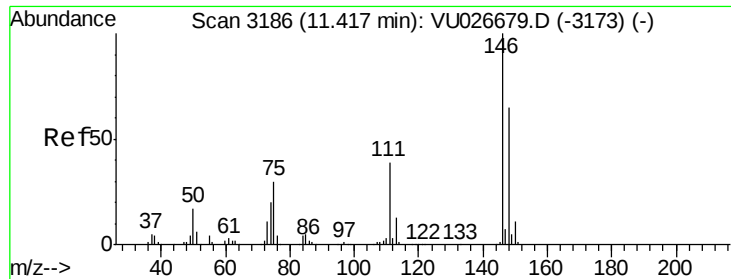
MMDadoda
 9/17/2018 11:34:57 AM



#86
 p-Isopropyltoluene
 Concen: 19.15 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.2	39.5
91	22.5	11.6	34.8





#87

1,3-Dichlorobenzene

Concen: 18.76 ug/l

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026725.D

Acq: 13 Sep 2018 11:06

Instrument :

MSVOA_U

ClientSampleId :

VU0914MBSD01

Tot Ion:146 Resp: 61729

Ion Ratio Lower Upper

146 100

111 39.6 19.7 59.1

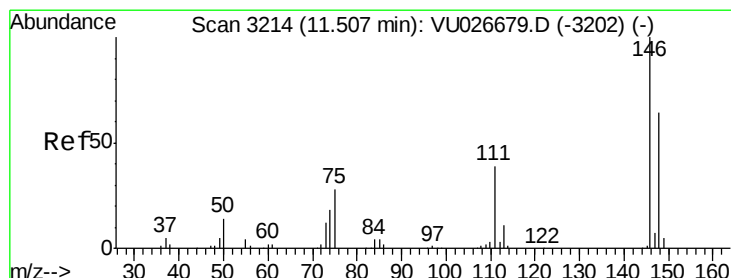
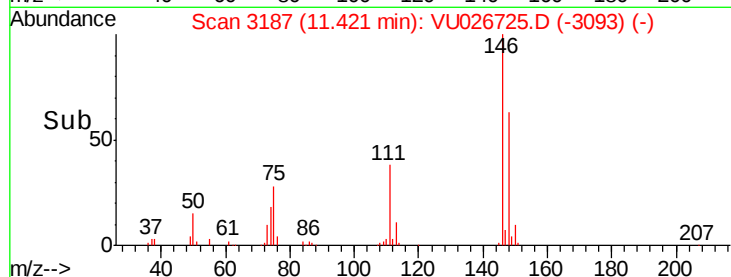
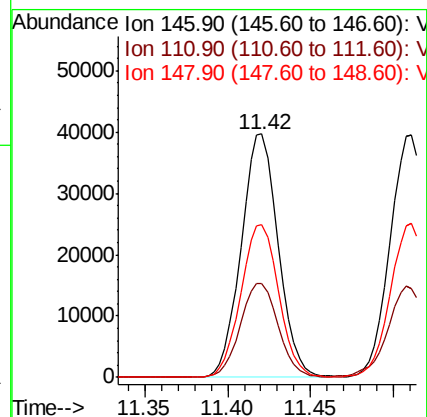
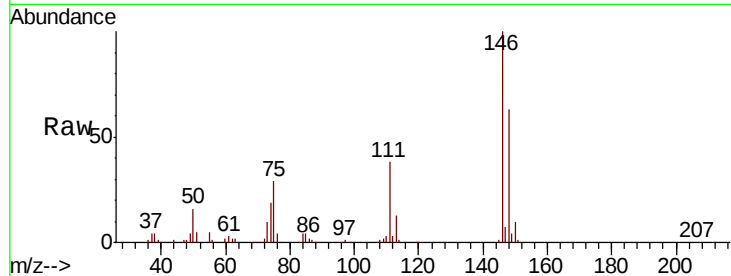
148 63.9 32.1 96.3

Manual Integrations

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#88

1,4-Dichlorobenzene

Concen: 18.37 ug/l

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU026725.D

Acq: 13 Sep 2018 11:06

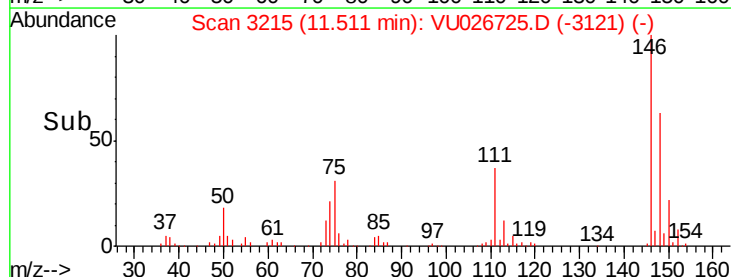
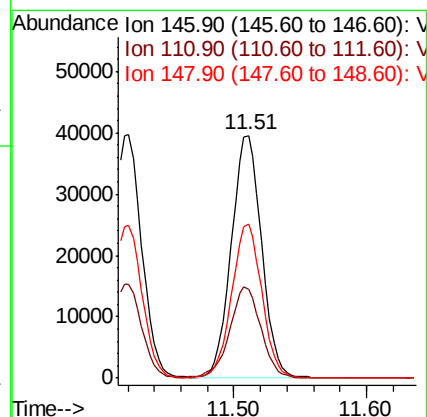
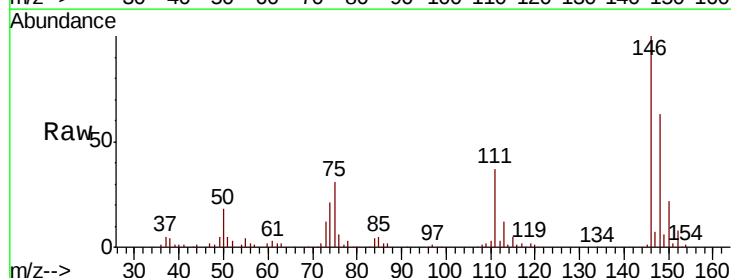
Tgt Ion:146 Resp: 62773

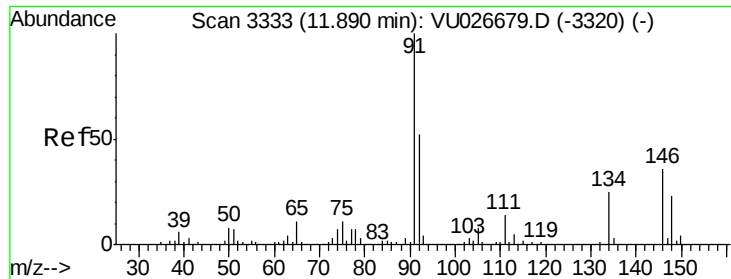
Ion Ratio Lower Upper

146 100

111 39.2 19.2 57.6

148 63.3 32.1 96.3





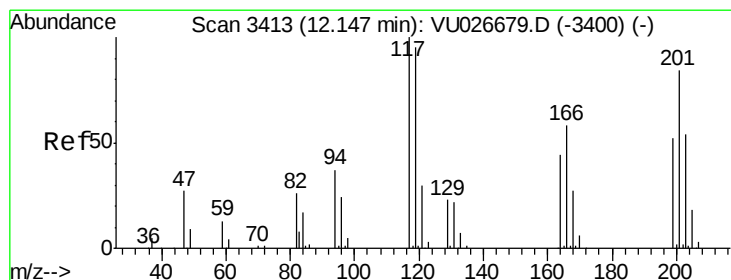
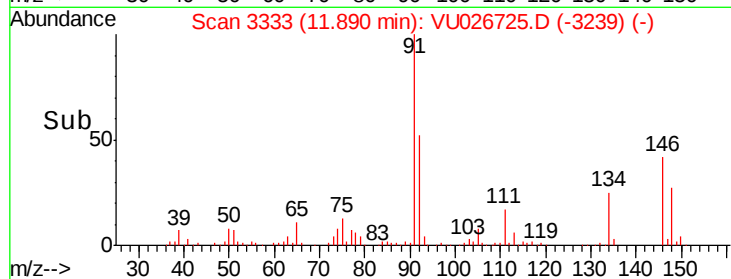
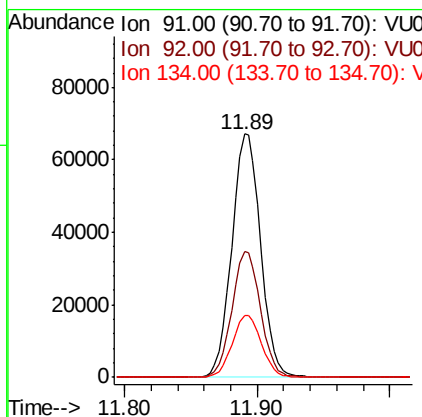
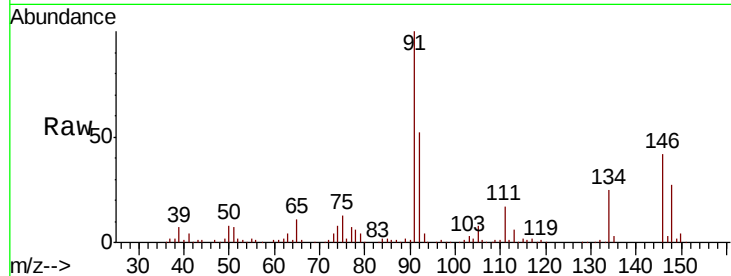
#89
n-Butylbenzene
Concen: 18.80 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.8	77.3
134	25.8	12.6	37.8

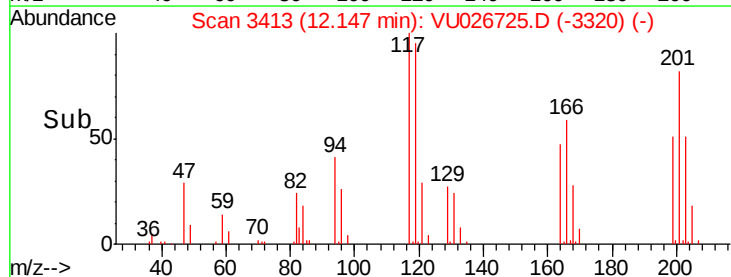
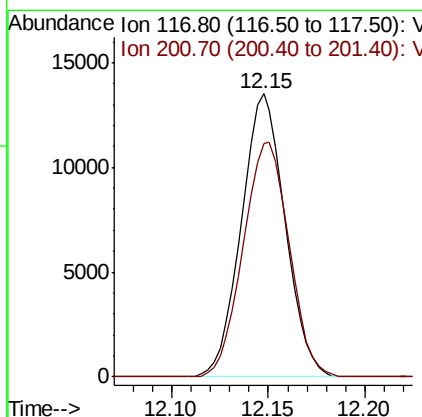
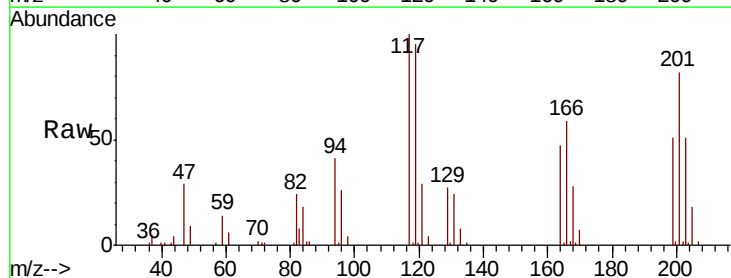
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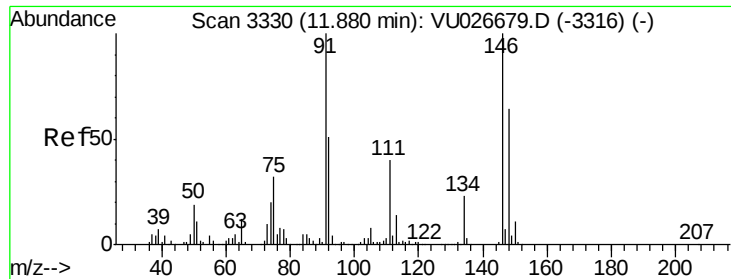
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#90
Hexachloroethane
Concen: 18.34 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.1	42.4	127.1





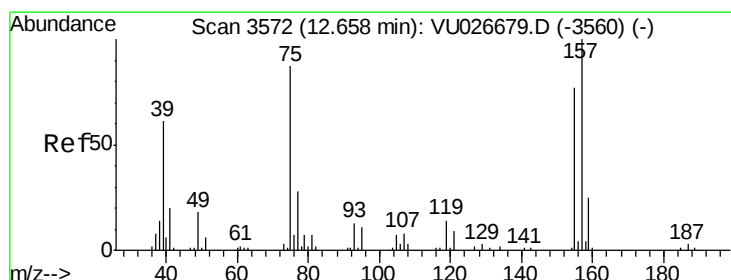
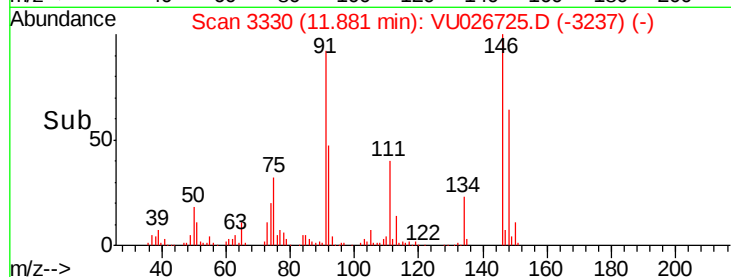
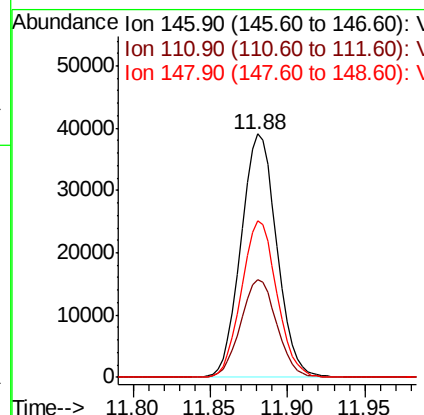
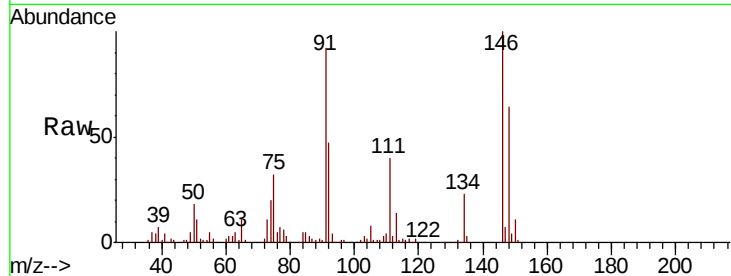
#91
 1,2-Dichlorobenzene
 Concen: 18.96 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	63.6	32.1	96.3

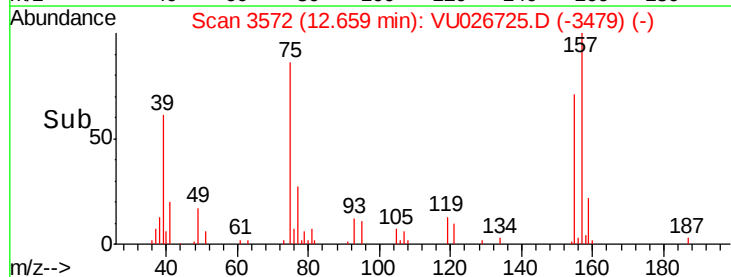
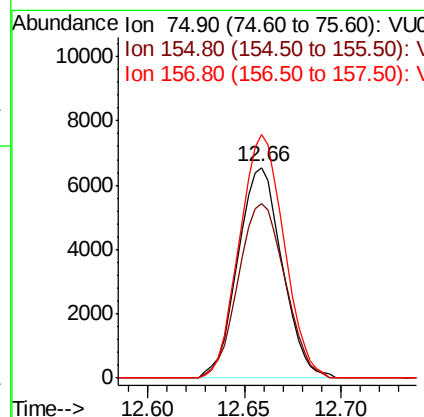
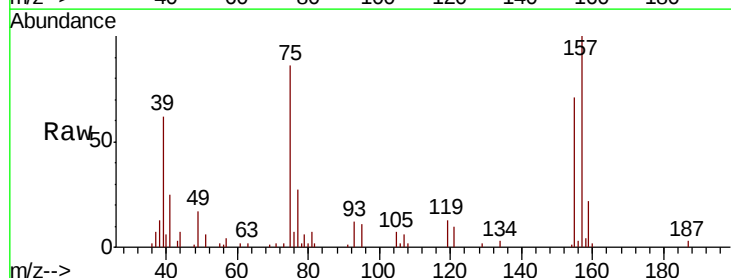
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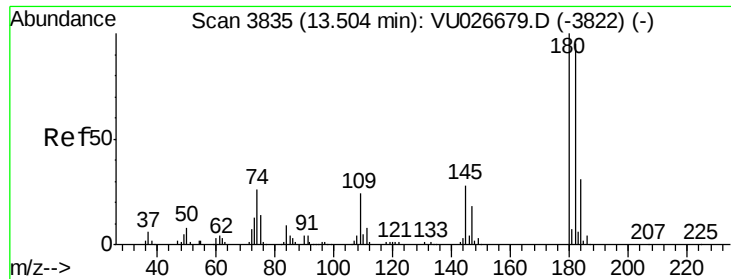
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.68 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	44.1	132.4
157	116.3	57.2	171.6





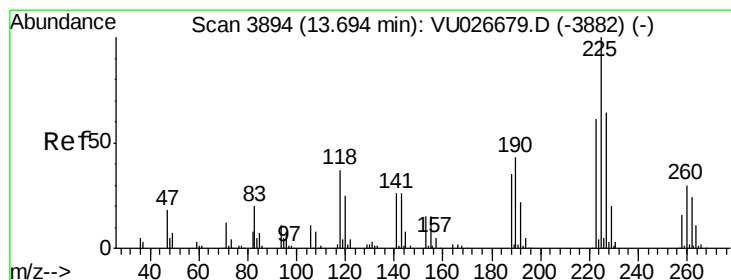
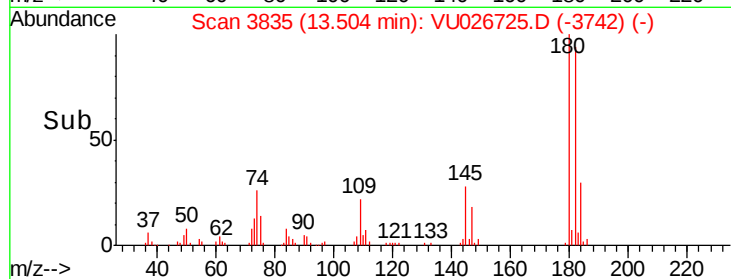
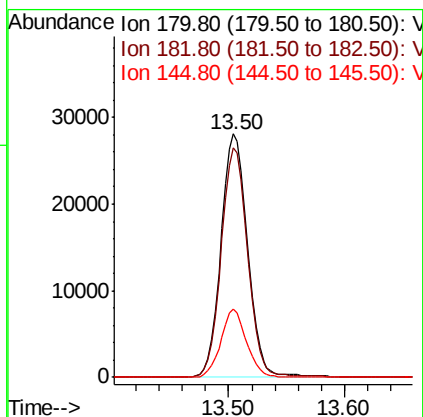
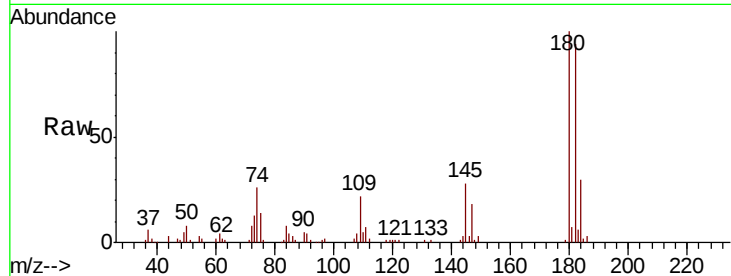
#93
 1,2,4-Trichlorobenzene
 Concen: 20.31 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0914MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.9	143.7
145	26.7	14.0	42.0

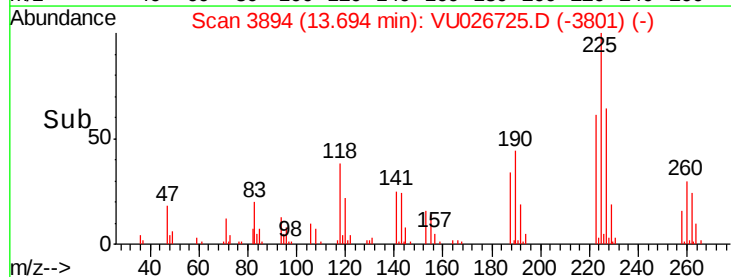
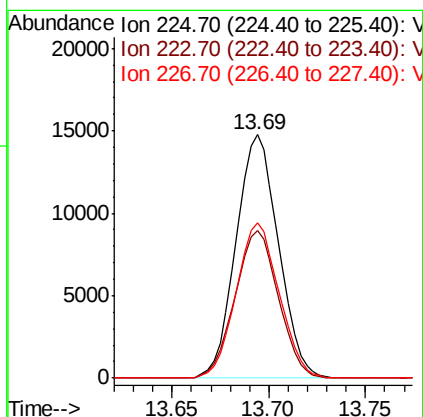
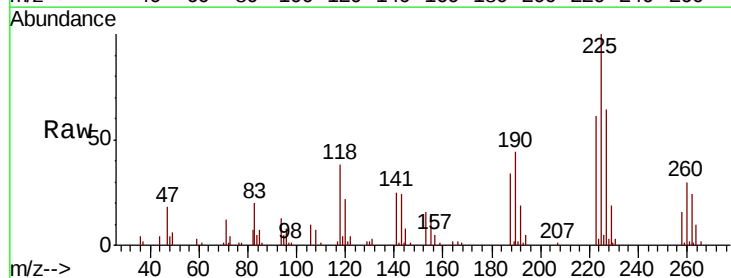
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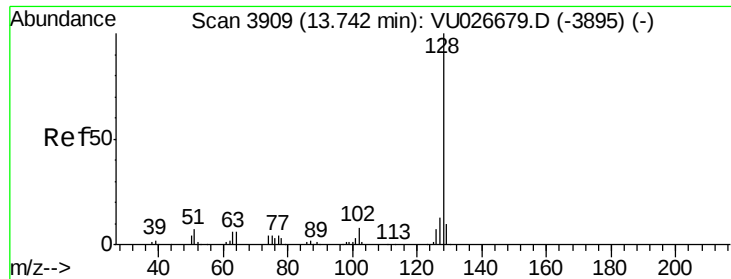
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#94
 Hexachlorobutadiene
 Concen: 19.89 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU026725.D
 Acq: 13 Sep 2018 11:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	30.6	92.0
227	64.6	32.1	96.3





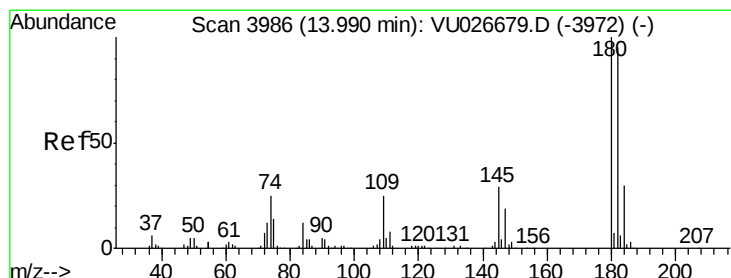
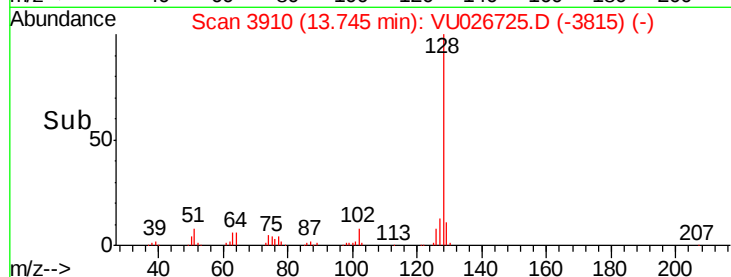
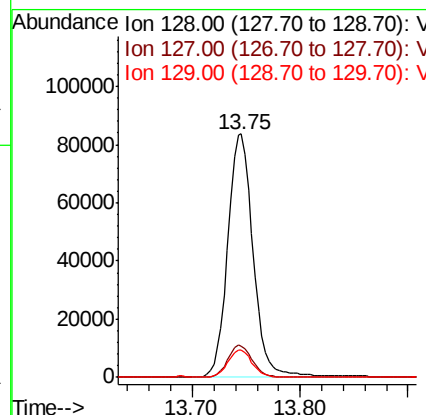
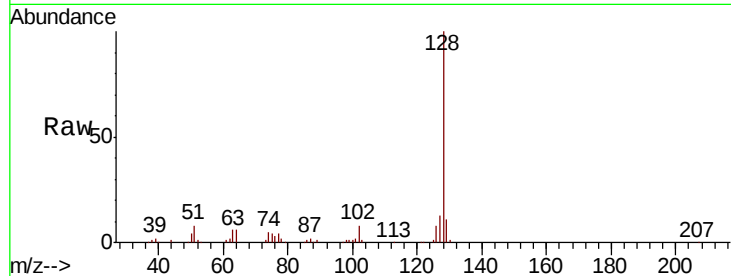
#95
Naphthalene
Concen: 19.21 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Instrument :
MSVOA_U
ClientSampleId :
VU0914MBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.01 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026725.D
Acq: 13 Sep 2018 11:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.7
145	29.9	14.9	44.9

