

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091418\
 Data File : VU026721.D
 Acq On : 13 Sep 2018 08:41
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 11:34:56 AM

Quant Time: Sep 14 01:00:54 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	114029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	169721	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	163128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	98849	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	79540	45.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.96%	
35) Dibromofluoromethane	4.88	113	66768	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
50) Toluene-d8	7.57	98	244999	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
62) 4-Bromofluorobenzene	10.31	95	90762	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	56511	45.87	ug/l	98
3) Chloromethane	1.33	50	75019	43.58	ug/l	100
4) Vinyl Chloride	1.40	62	80511	45.14	ug/l	99
5) Bromomethane	1.61	94	46247	41.40	ug/l	97
6) Chloroethane	1.69	64	51116	45.03	ug/l	99
7) Trichlorofluoromethane	1.88	101	108070	46.35	ug/l	99
8) Diethyl Ether	2.10	74	46497	45.51	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	65857	47.56	ug/l	99
10) Methyl Iodide	2.41	142	36854	32.99	ug/l	100
11) Tert butyl alcohol	2.83	59	90908	215.61	ug/l	100
12) 1,1-Dichloroethene	2.28	96	61012	46.61	ug/l	97
13) Acrolein	2.19	56	48602	171.05	ug/l	100
14) Allyl chloride	2.59	41	106826	45.31	ug/l	99
15) Acrylonitrile	2.94	53	217408	240.44	ug/l	99
16) Acetone	2.32	43	235114	240.08	ug/l	99
17) Carbon Disulfide	2.48	76	179312	43.05	ug/l	98
18) Methyl Acetate	2.62	43	104906	49.65	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	215442	47.80	ug/l	100
20) Methylene Chloride	2.70	84	73442	46.23	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	64955	47.10	ug/l	96
22) Diisopropyl ether	3.57	45	239369	48.64	ug/l	98
23) Vinyl Acetate	3.52	43	1026307	245.52	ug/l	100
24) 1,1-Dichloroethane	3.44	63	130783	47.11	ug/l	99
25) 2-Butanone	4.26	43	322954	244.81	ug/l	99
26) 2,2-Dichloropropane	4.23	77	111645	48.93	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	75574	47.55	ug/l	99
28) Bromochloromethane	4.55	49	60928	45.90	ug/l	98
29) Tetrahydrofuran	4.64	42	191183	240.38	ug/l	99
30) Chloroform	4.67	83	129309	47.37	ug/l	98
31) Cyclohexane	5.00	56	116305	45.86	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	110090	48.71	ug/l	98
36) 1,1-Dichloropropene	5.14	75	95842	50.30	ug/l	100
37) Ethyl Acetate	4.38	43	108693	47.43	ug/l	100
38) Carbon Tetrachloride	5.13	117	97522	48.44	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	114289	50.51	ug/l	99
40) Benzene	5.39	78	289242	48.88	ug/l	99
41) Methacrylonitrile	4.54	41	61821	47.91	ug/l	99
42) 1,2-Dichloroethane	5.40	62	102567	48.61	ug/l	100
43) Isopropyl Acetate	5.55	43	176433	50.57	ug/l	100
44) Trichloroethene	6.19	130	73124	49.93	ug/l	97
45) 1,2-Dichloropropane	6.43	63	80008	49.73	ug/l	97
46) Dibromomethane	6.56	93	52056	50.14	ug/l	98
47) Bromodichloromethane	6.76	83	102931	50.35	ug/l	99
48) Methyl methacrylate	6.62	41	89328	46.91	ug/l	99
49) 1,4-Dioxane	6.61	88	41839	958.31	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	581141	249.01	ug/l	100
52) Toluene	7.64	92	177700	50.41	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	114691	50.58	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	123886	50.88	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	75296	49.86	ug/l	99
56) Ethyl methacrylate	8.02	69	115921	45.81	ug/l	100
57) 1,3-Dichloropropane	8.24	76	129032	50.13	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	302829	249.95	ug/l	99
59) 2-Hexanone	8.36	43	464426	252.86	ug/l	100
60) Dibromochloromethane	8.48	129	82341	50.34	ug/l	99
61) 1,2-Dibromoethane	8.59	107	80363	49.04	ug/l	100
64) Tetrachloroethene	8.23	164	64059	49.34	ug/l	99
65) Chlorobenzene	9.12	112	201587	49.74	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	73833	49.51	ug/l	98
67) Ethyl Benzene	9.25	91	345508	51.75	ug/l	99
68) m/p-Xylenes	9.38	106	269120	105.97	ug/l	99
69) o-Xylene	9.78	106	128550	47.44	ug/l	99
70) Styrene	9.79	104	216475	47.46	ug/l	100
71) Bromoform	9.96	173	67455	52.01	ug/l #	99
73) Isopropylbenzene	10.17	105	347453	51.58	ug/l	99
74) N-amyl acetate	10.02	43	164308	51.67	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	128231	46.71	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	103541m	46.76	ug/l	
77) Bromobenzene	10.45	156	90928	49.67	ug/l	98
78) n-propylbenzene	10.59	91	422488	53.93	ug/l	100
79) 2-Chlorotoluene	10.66	91	243960	50.23	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	297485	52.54	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	42227m	59.86	ug/l	
82) 4-Chlorotoluene	10.77	91	282991	51.86	ug/l	99
83) tert-Butylbenzene	11.10	119	296694	51.64	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	303764	53.19	ug/l	99
85) sec-Butylbenzene	11.33	105	365627	53.58	ug/l	100
86) p-Isopropyltoluene	11.48	119	326305	49.75	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	167201	48.96	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	169239	47.71	ug/l	99
89) n-Butylbenzene	11.89	91	300633	49.95	ug/l	99
90) Hexachloroethane	12.15	117	59759	49.63	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	168097	48.93	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	28580	51.93	ug/l	99

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Quant Title : SW846 8260
QLast Update : Wed Sep 12 05:32:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	123928	54.32	ug/l	99
94) Hexachlorobutadiene	13.69	225	62765	53.48	ug/l	98
95) Naphthalene	13.74	128	380307	49.56	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	125812	52.80	ug/l	99

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

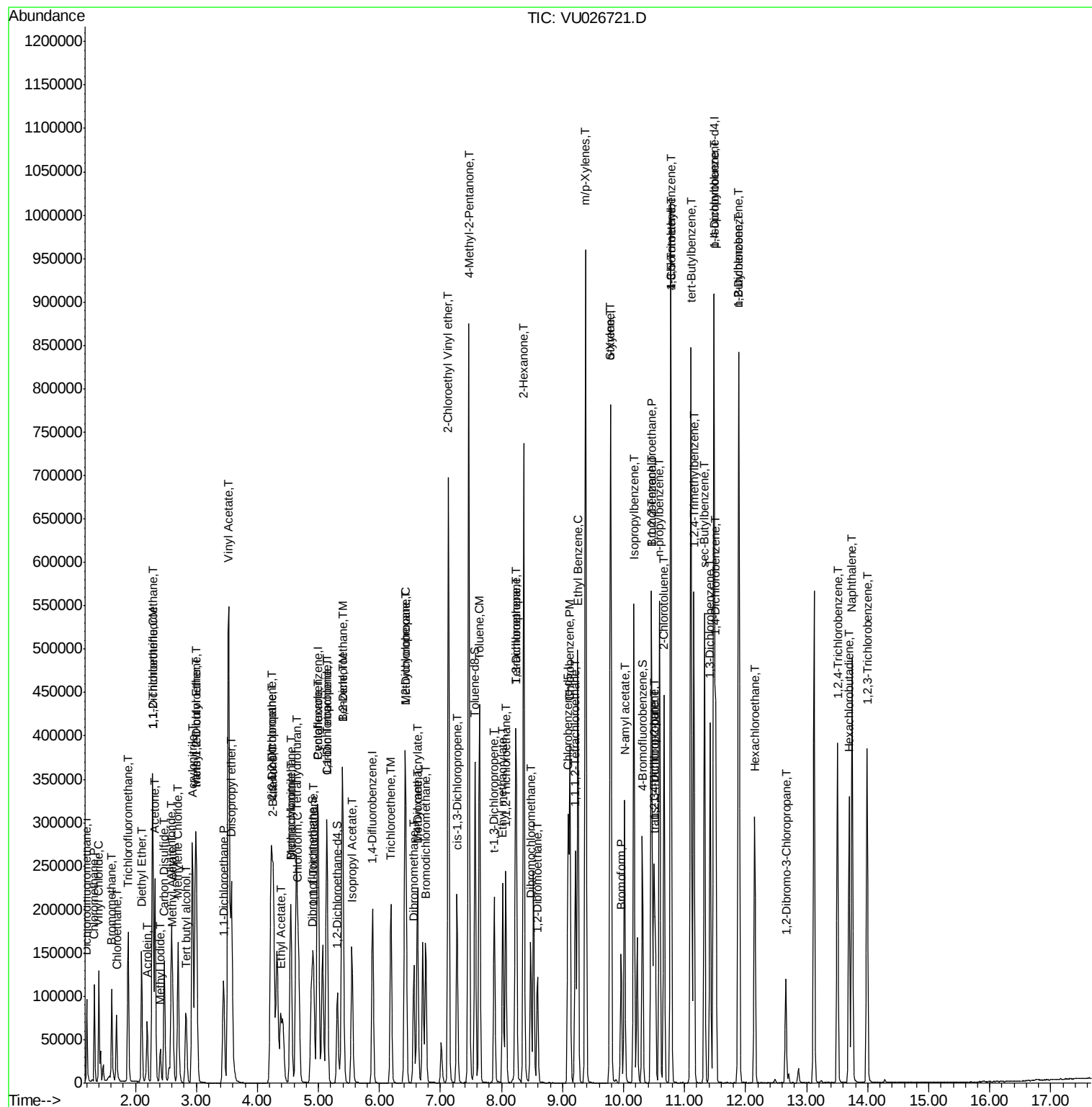
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 Acq On : 13 Sep 2018 08:41
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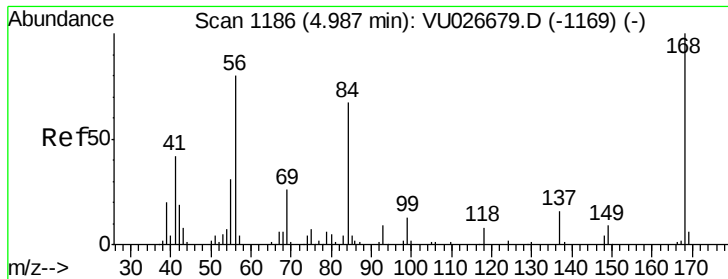
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 114029

Ion Ratio Lower Upper

168 100

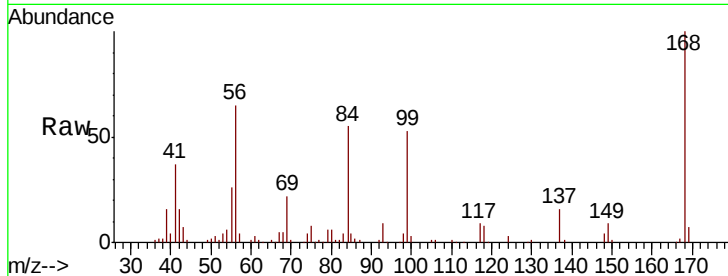
99 52.8 42.0 63.0

Manual Integrations

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

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

4.98

50000

40000

30000

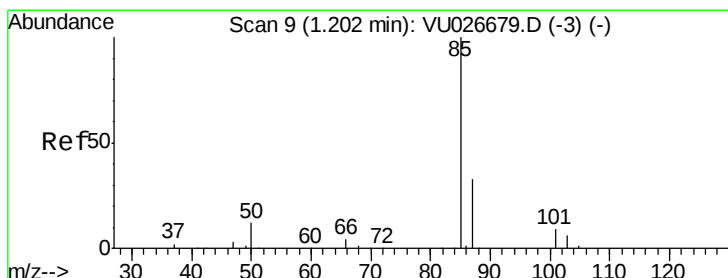
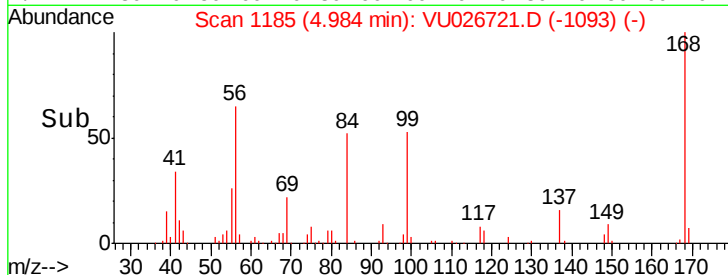
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.87 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026721.D

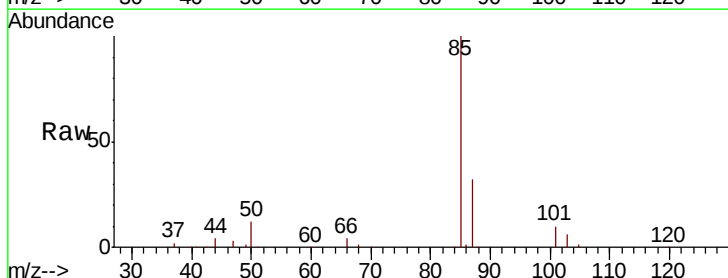
Acq: 13 Sep 2018 08:41

Tgt Ion: 85 Resp: 56511

Ion Ratio Lower Upper

85 100

87 32.2 16.6 49.7



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

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

1.21

60000

50000

40000

30000

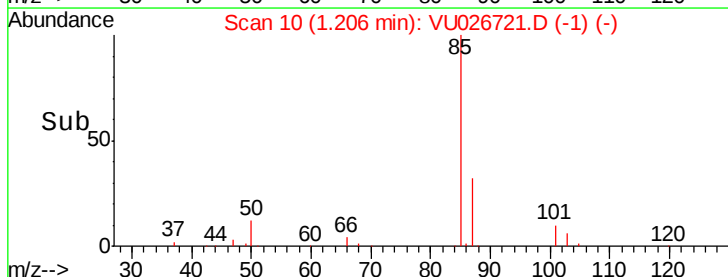
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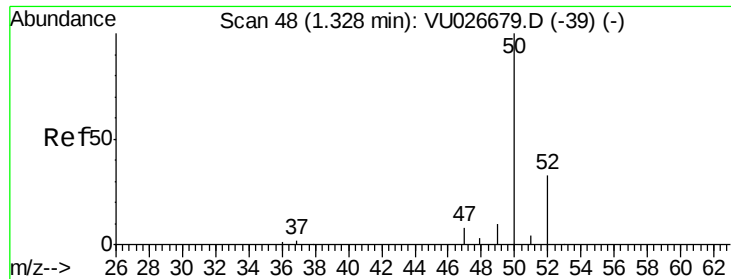
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 43.58 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Tot Ion: 50 Resp: 75019

Ion Ratio Lower Upper

50 100

52 32.8 26.3 39.5

Instrument :

MSVOA_U

ClientSampleId :

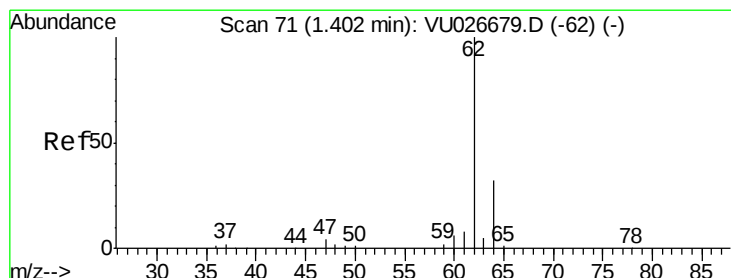
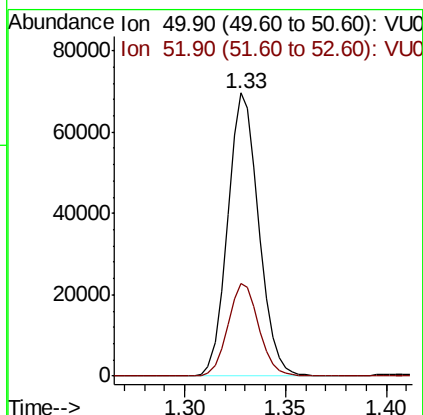
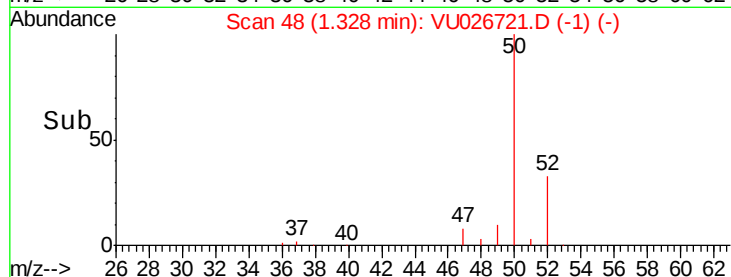
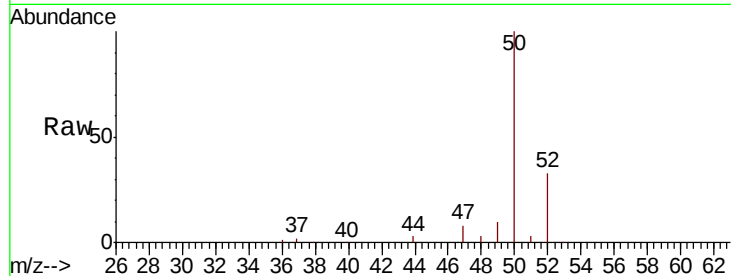
VSTDCCC050

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.14 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026721.D

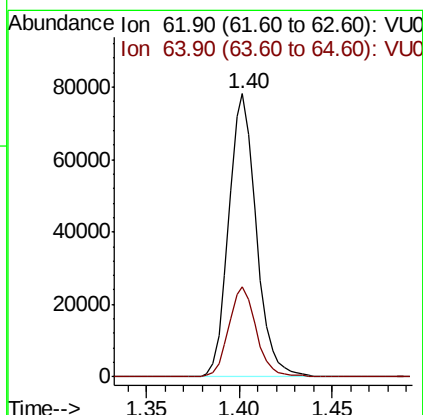
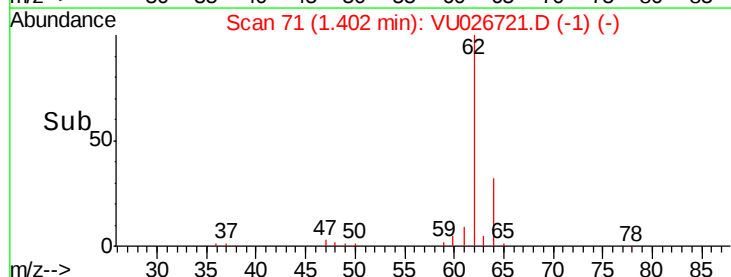
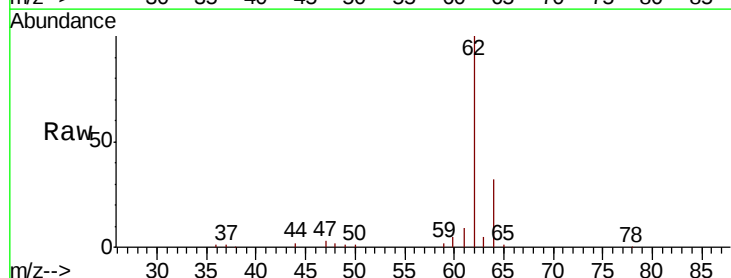
Acq: 13 Sep 2018 08:41

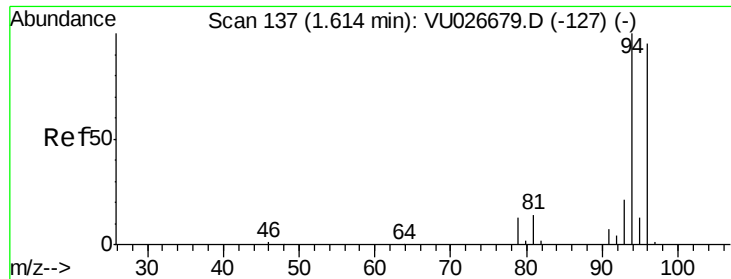
Tgt Ion: 62 Resp: 80511

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4





#5

Bromomethane

Concen: 41.40 ug/l

RT: 1.61 min Scan# 137

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 46247

Ion Ratio Lower Upper

94 100

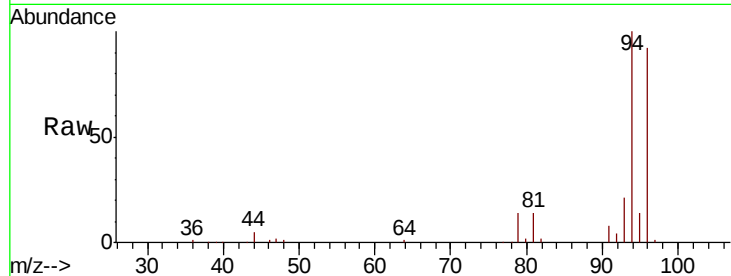
96 91.9 75.8 113.6

Manual Integrations

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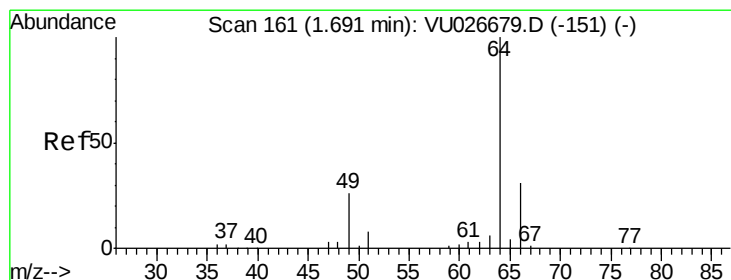
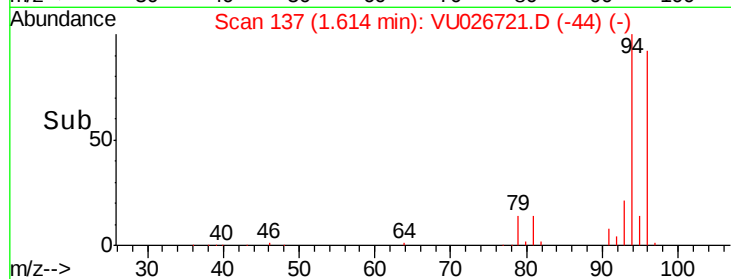
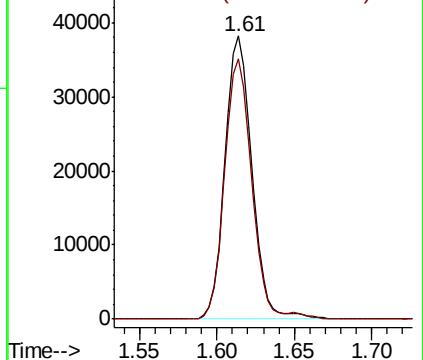
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 45.03 ug/l

RT: 1.69 min Scan# 161

Delta R.T. 0.00 min

Lab File: VU026721.D

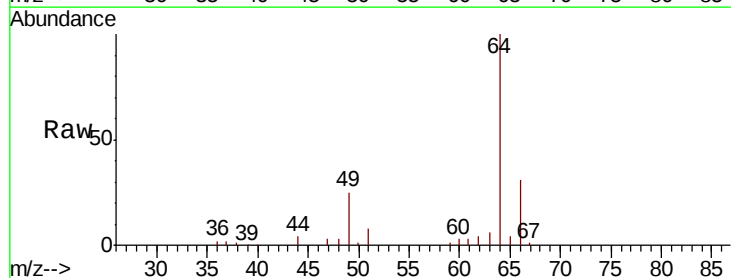
Acq: 13 Sep 2018 08:41

Tgt Ion: 64 Resp: 51116

Ion Ratio Lower Upper

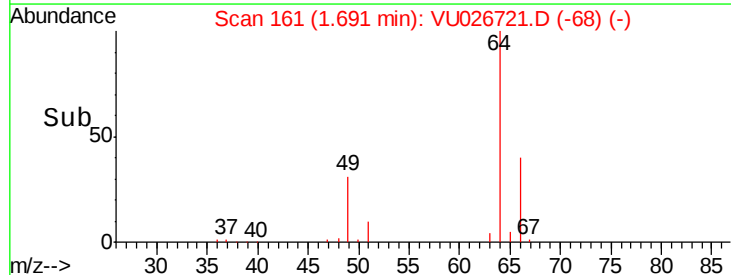
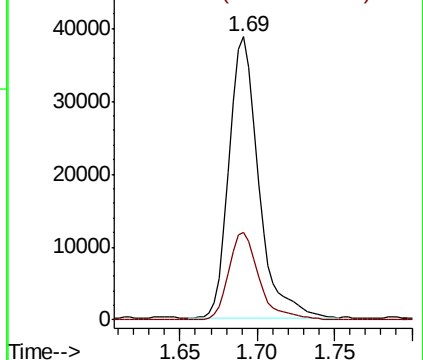
64 100

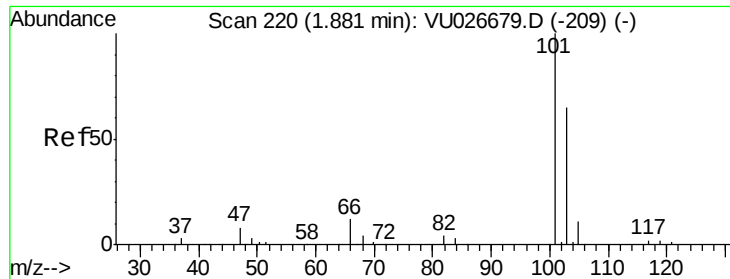
66 31.2 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

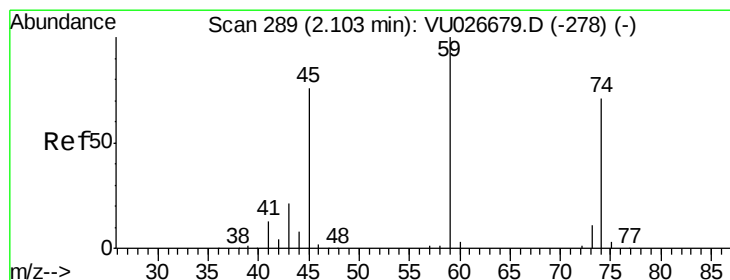
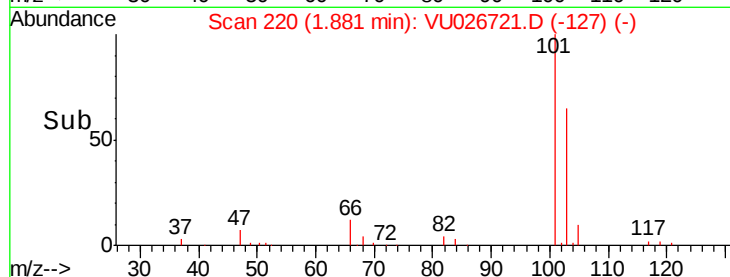
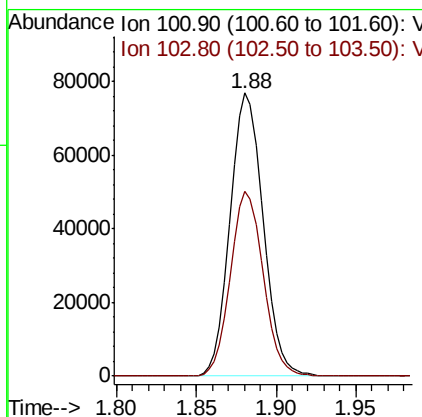
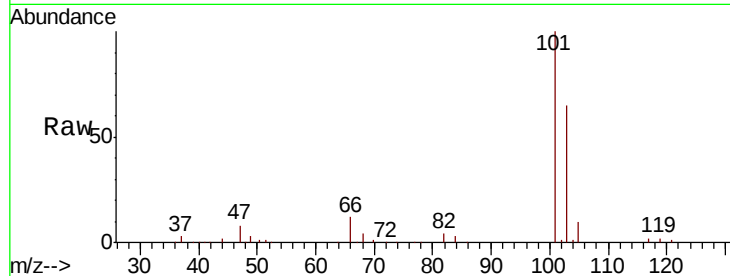
Trichlorofluoromethane
 Concen: 46.35 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.7	77.5

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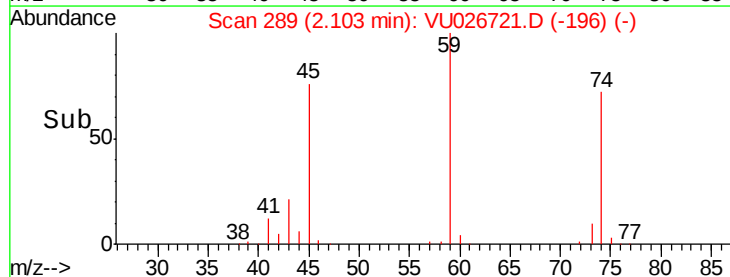
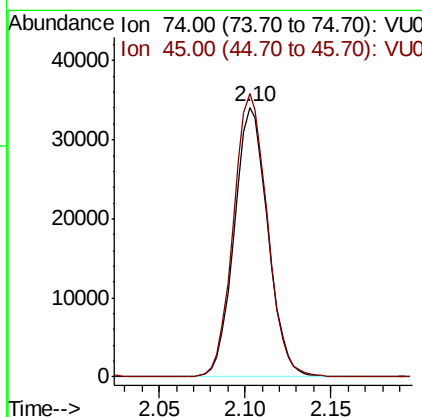
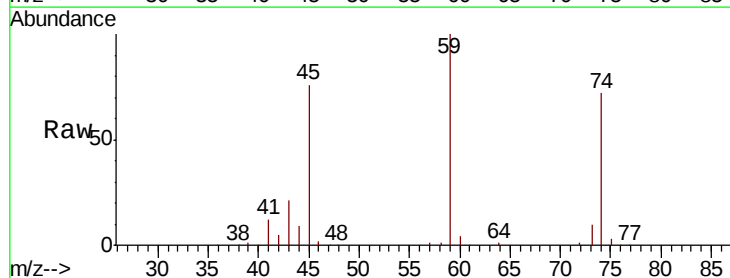
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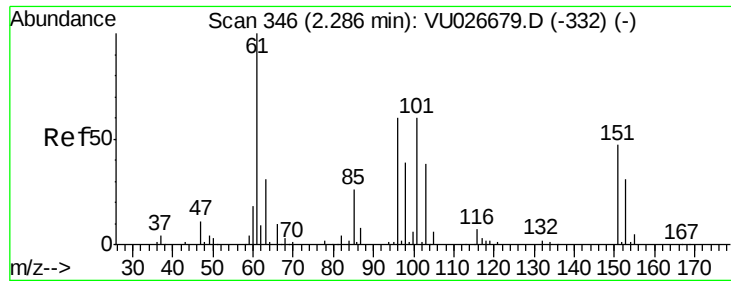


#8

Diethyl Ether
 Concen: 45.51 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.3	53.6	160.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.56 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

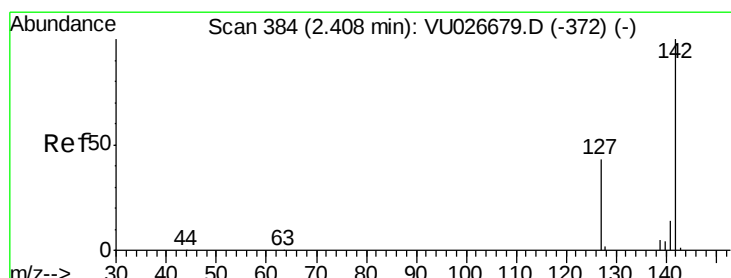
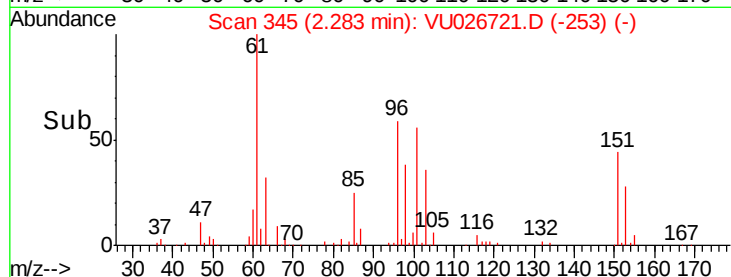
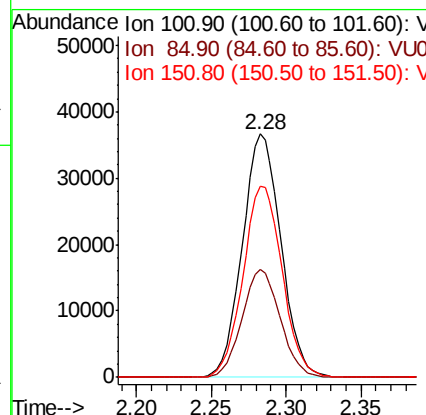
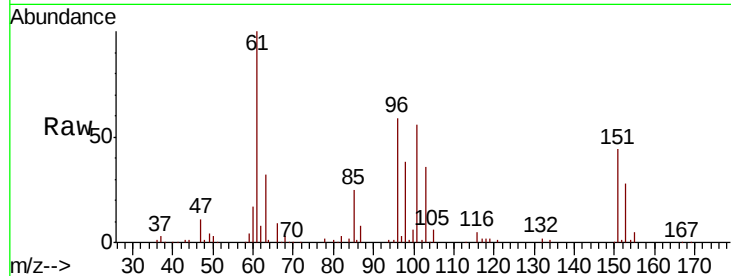
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	65857
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.6	52.0
151	79.6	62.7	94.1

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#10

Methyl Iodide

Concen: 32.99 ug/l

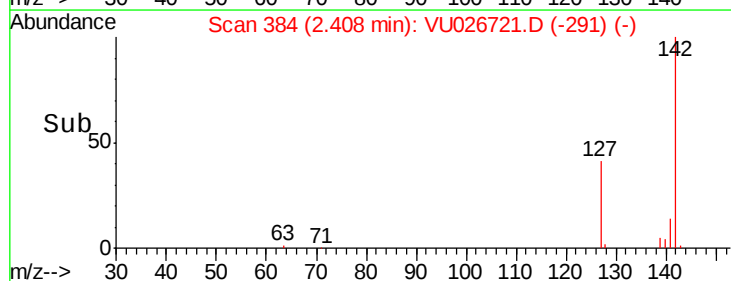
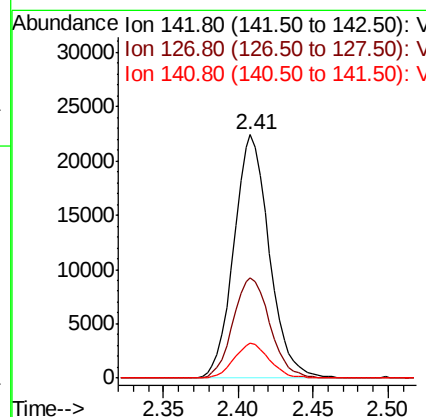
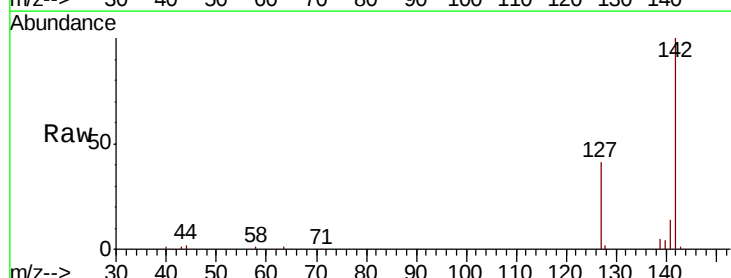
RT: 2.41 min Scan# 384

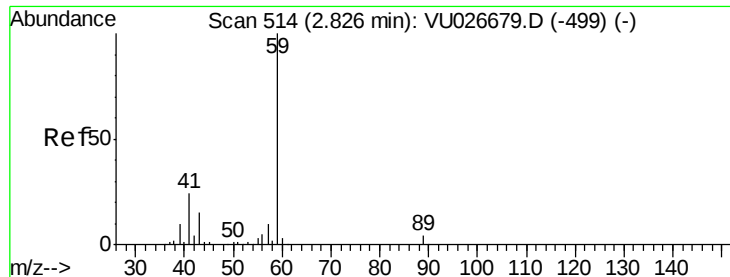
Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Tgt Ion:	142	Resp:	36854
Ion Ratio	Lower	Upper	
142	100		
127	42.8	34.1	51.1
141	14.0	11.2	16.8





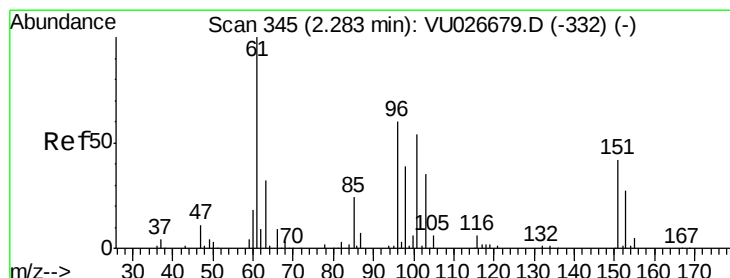
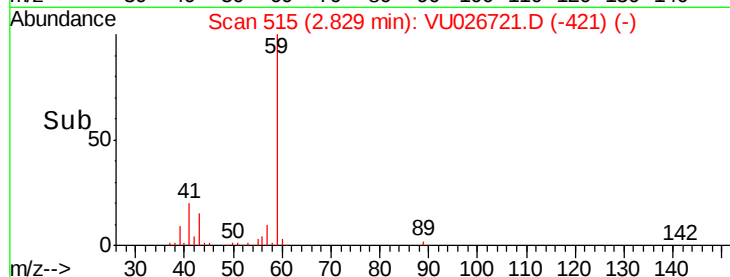
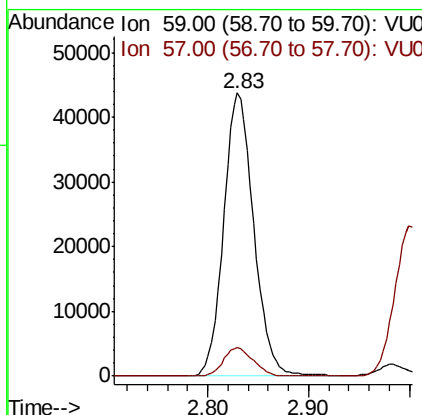
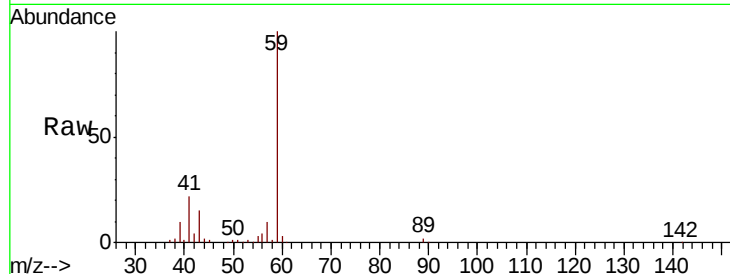
#11
Tert butyl alcohol
Concen: 215.61 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0

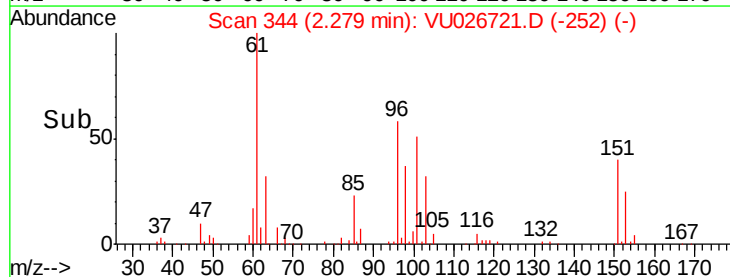
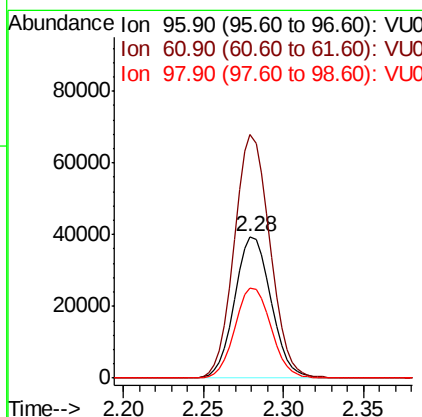
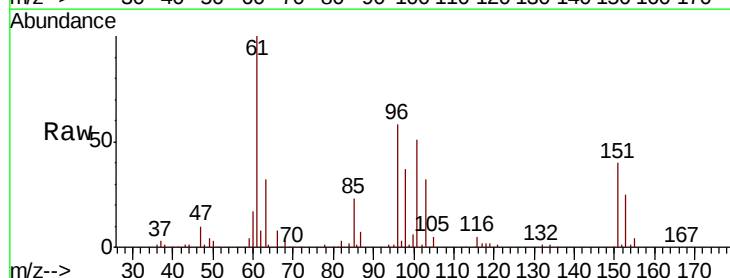
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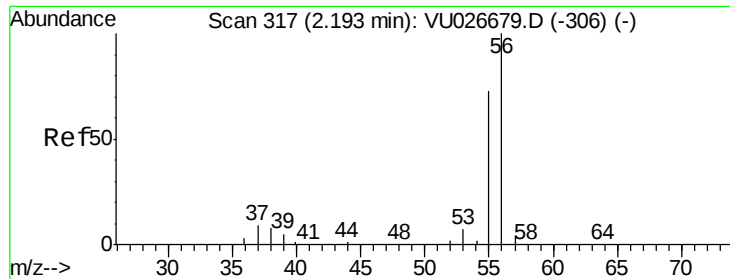
MMDadoda
9/17/2018 11:34:56 AM



#12
1,1-Dichloroethene
Concen: 46.61 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.1	133.0	199.6
98	64.1	51.3	76.9





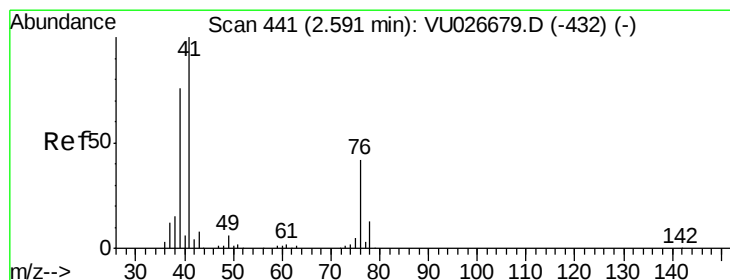
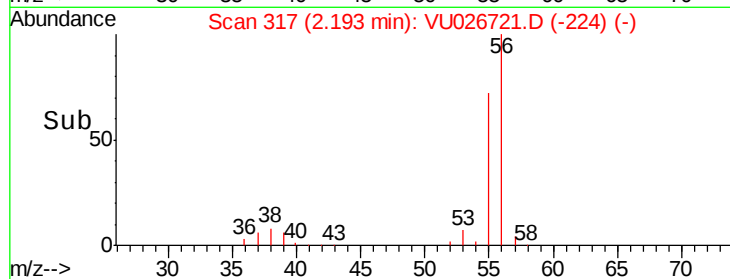
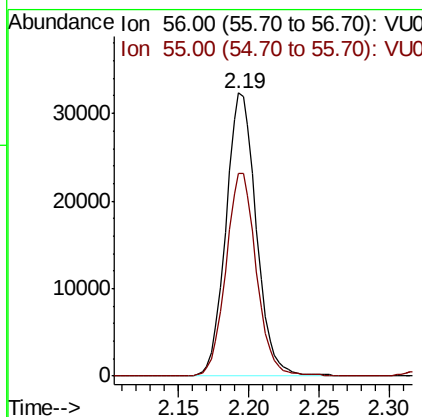
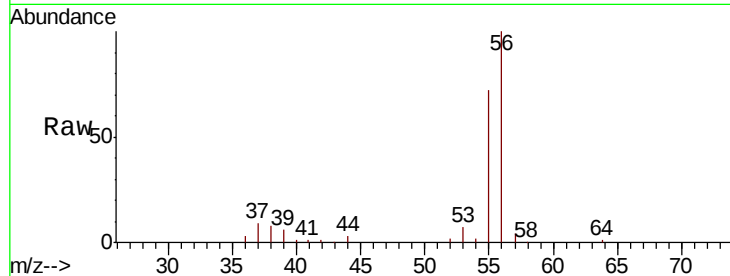
#13
Acrolein
Concen: 171.05 ug/l
RT: 2.19 min Scan# 317
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	Lower	Upper
48602	100	71.8		57.4	86.2

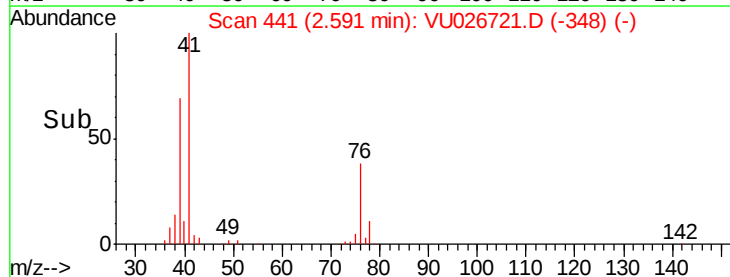
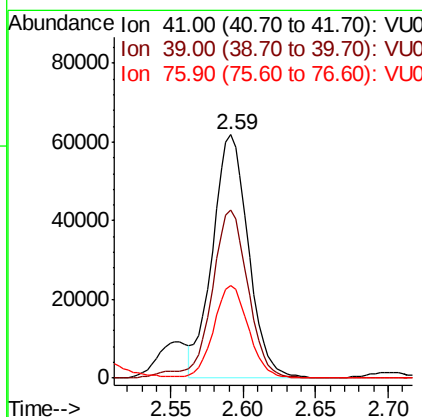
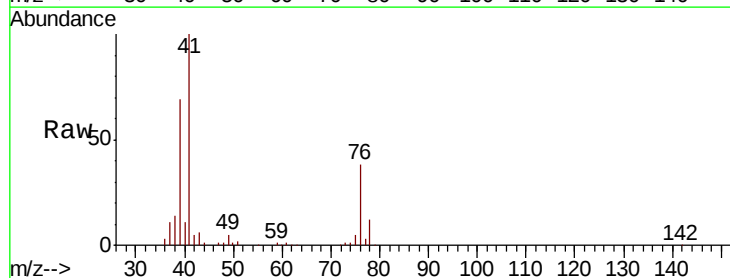
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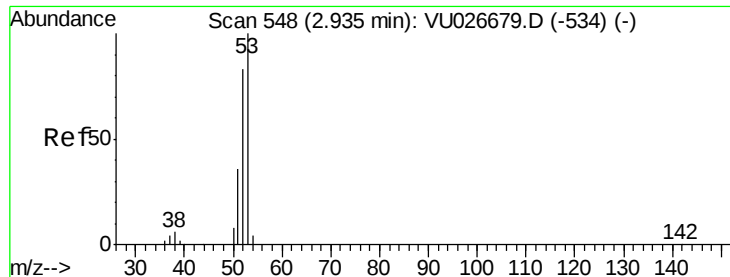
MMDadoda
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#14
Allyl chloride
Concen: 45.31 ug/l
RT: 2.59 min Scan# 441
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion	41	39	76	Ratio	Lower	Upper
106826	100	70.1	36.8		56.9	85.3





#15

Acrylonitrile

Concen: 240.44 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

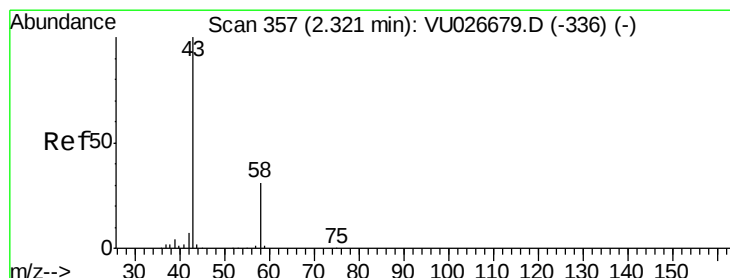
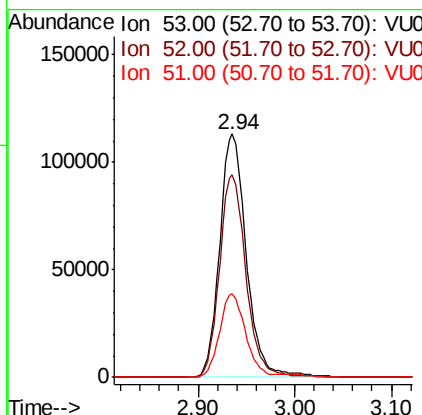
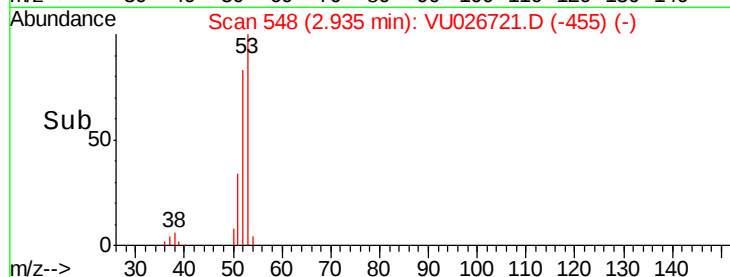
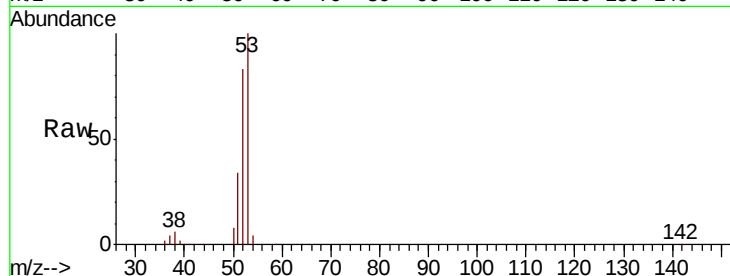
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	217408
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.8	98.8
51	33.8	27.7	41.5

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#16

Acetone

Concen: 240.08 ug/l

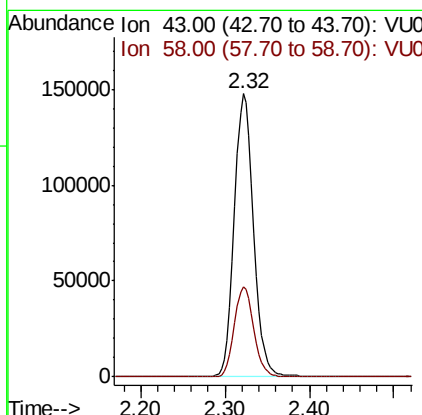
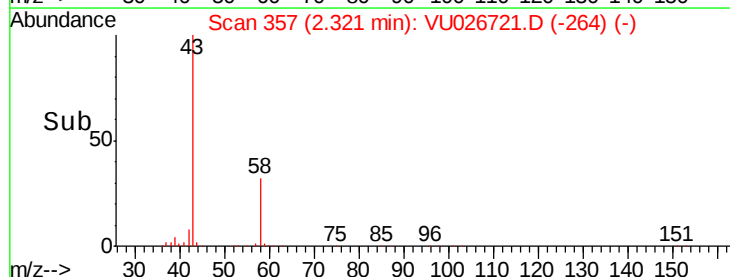
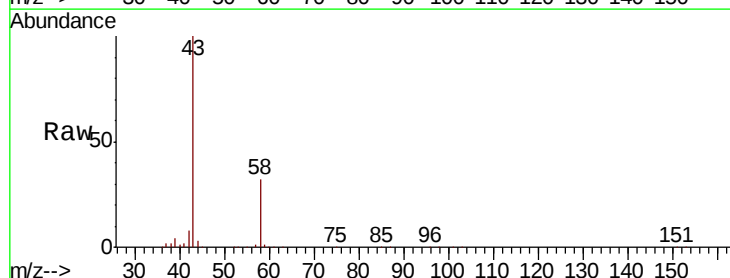
RT: 2.32 min Scan# 357

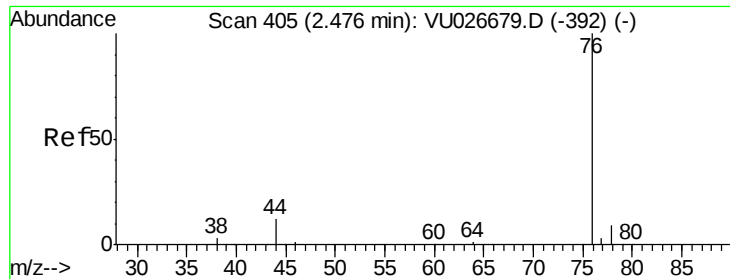
Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Tgt Ion:	43	Resp:	235114
Ion	Ratio	Lower	Upper
43	100		
58	32.0	25.1	37.7





#17

Carbon Disulfide

Concen: 43.05 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Tot Ion: 76 Resp: 179312

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6

Instrument :

MSVOA_U

ClientSampleId :

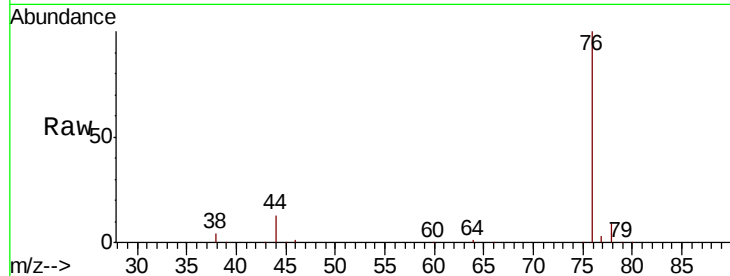
VSTDCCC050

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

120000

100000

80000

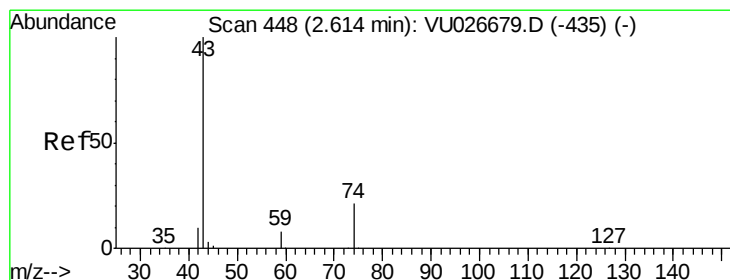
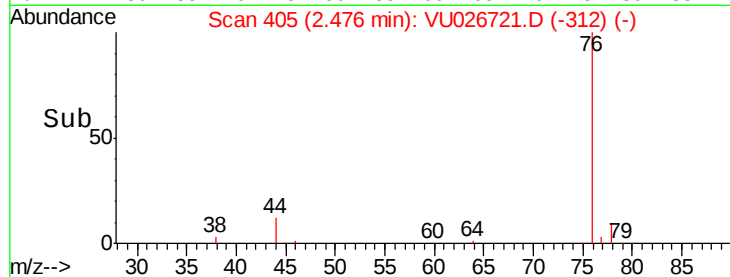
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 49.65 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU026721.D

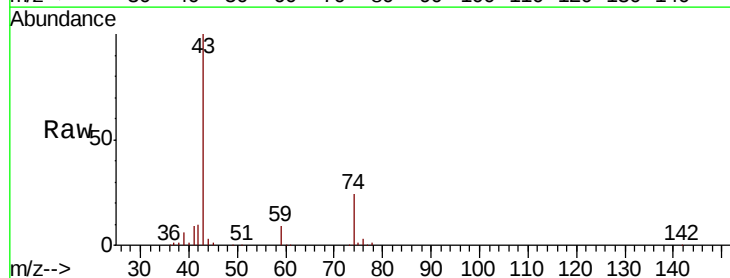
Acq: 13 Sep 2018 08:41

Tgt Ion: 43 Resp: 104906

Ion Ratio Lower Upper

43 100

74 23.1 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

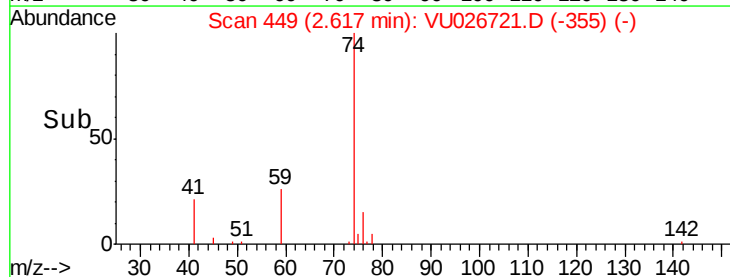
60000

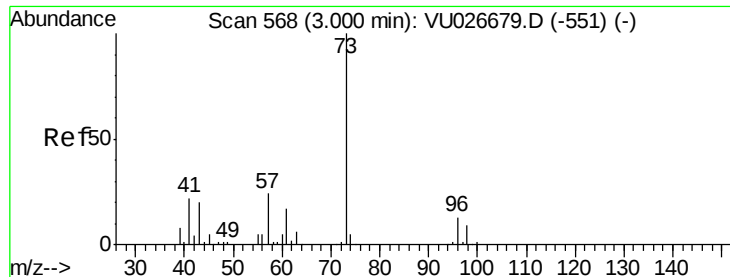
40000

20000

0

Time-->





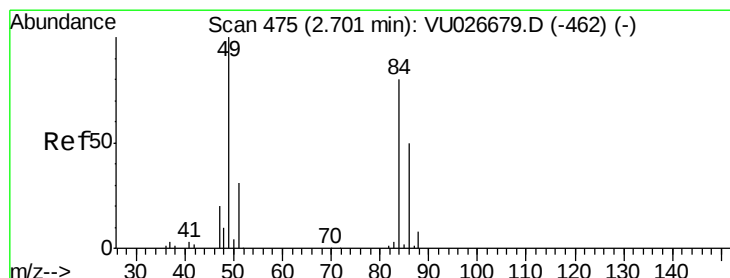
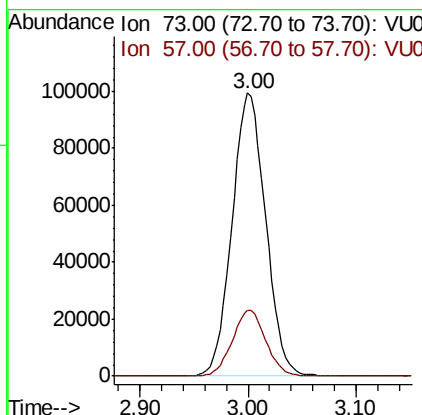
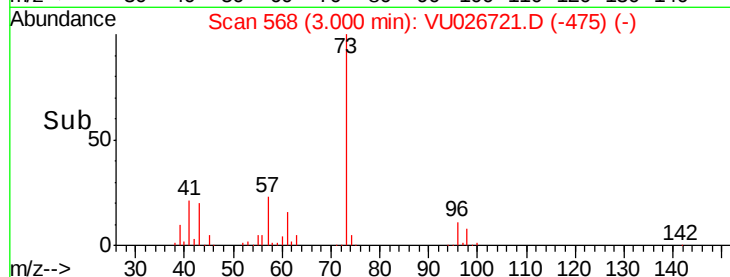
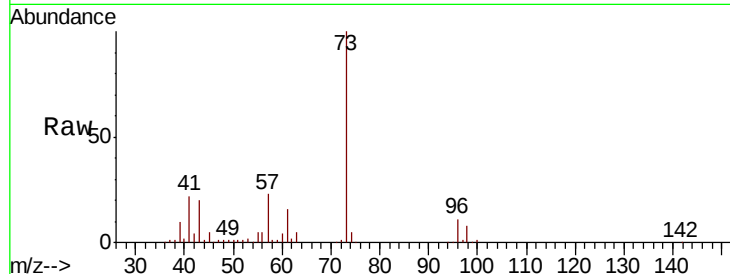
#19
Methvl tert-butvl Ether
Concen: 47.80 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 215442
Ion Ratio Lower Upper
73 100
57 23.4 18.9 28.3

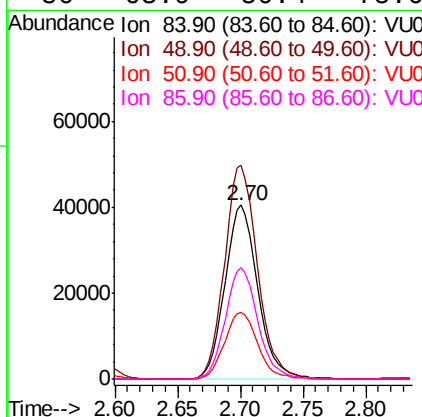
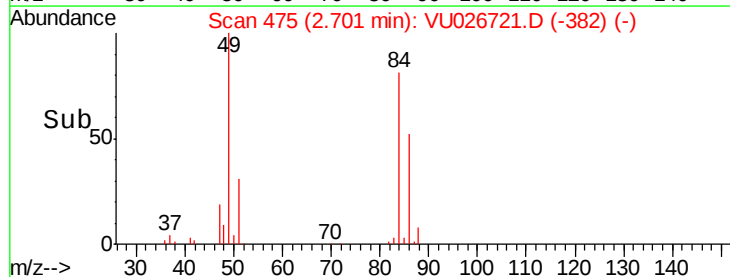
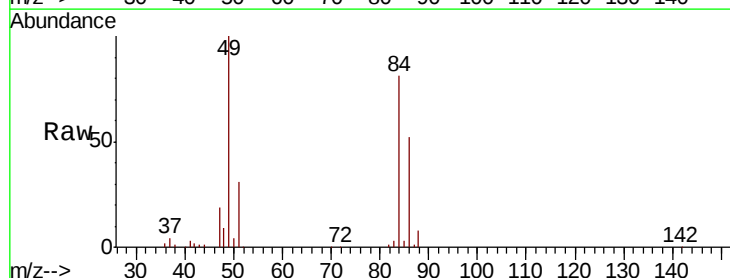
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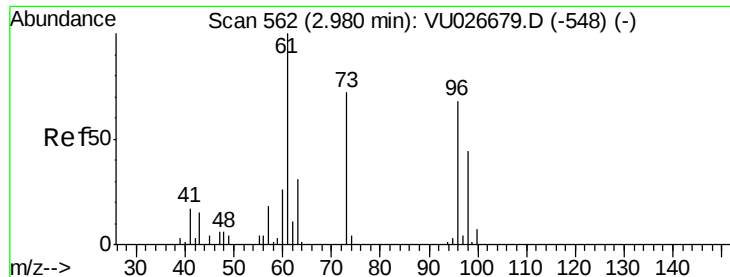
MMDadoda
9/17/2018 11:34:56 AM



#20
Methylene Chloride
Concen: 46.23 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion: 84 Resp: 73442
Ion Ratio Lower Upper
84 100
49 122.8 100.6 151.0
51 38.5 30.9 46.3
86 63.9 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 47.10 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 64955

Ion Ratio Lower Upper

96 100

61 141.5 117.7 176.5

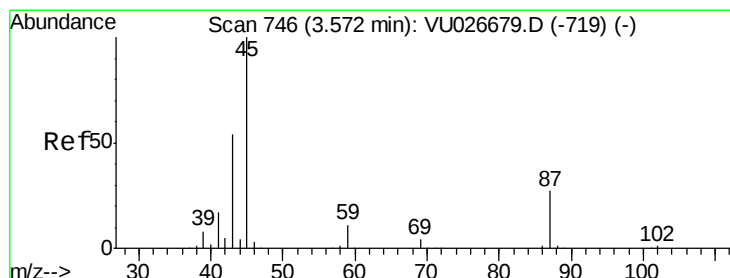
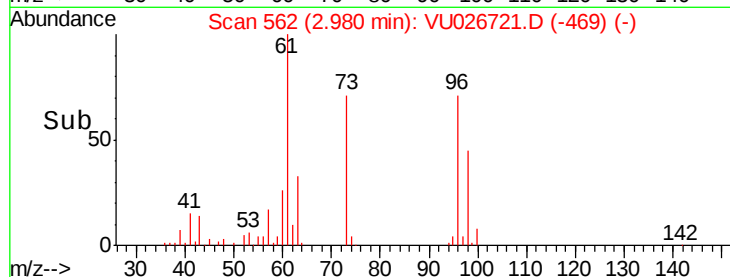
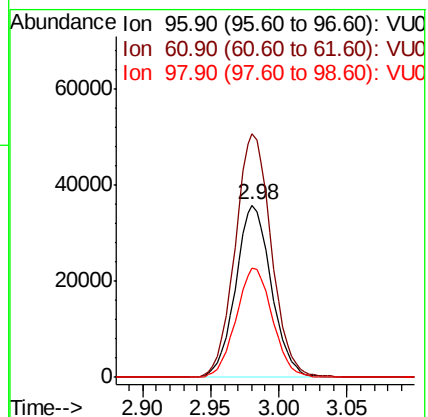
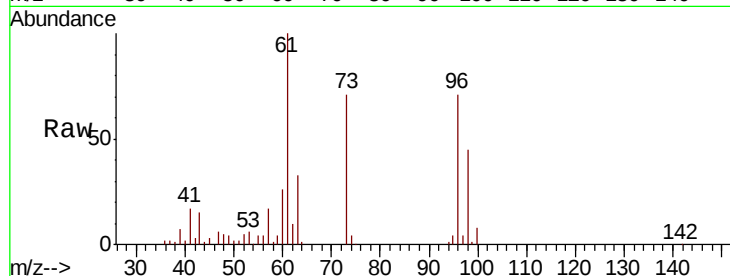
98 63.1 52.0 78.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 48.64 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Tgt Ion: 45 Resp: 239369

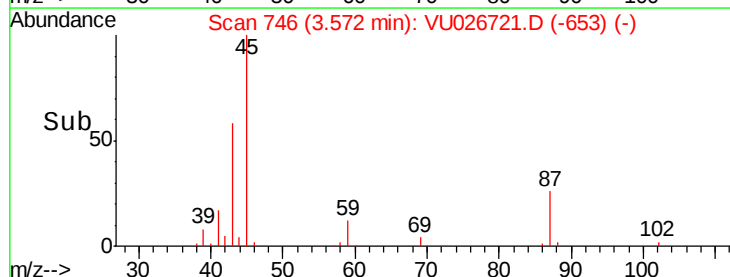
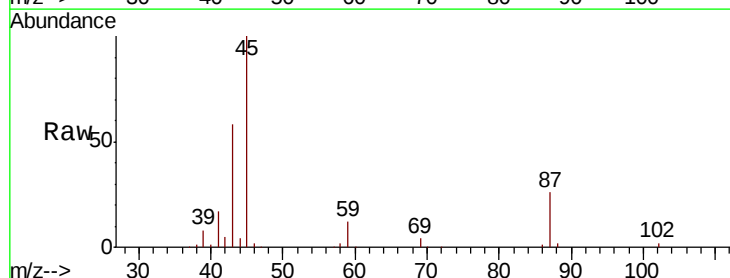
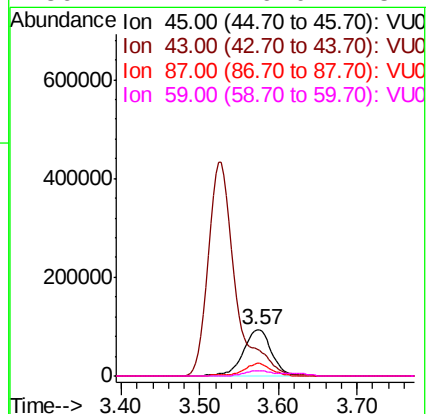
Ion Ratio Lower Upper

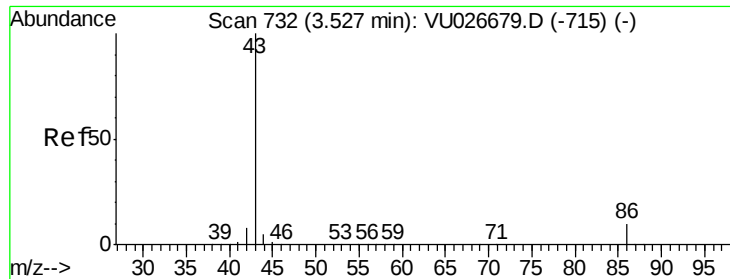
45 100

43 57.1 44.6 67.0

87 26.2 21.4 32.0

59 11.7 9.0 13.4





#23

Vinyl Acetate

Concen: 245.52 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Tot Ion: 43 Resp: 1026307

Ion Ratio Lower Upper

43 100

86 9.9 7.8 11.8

Instrument :

MSVOA_U

ClientSampleId :

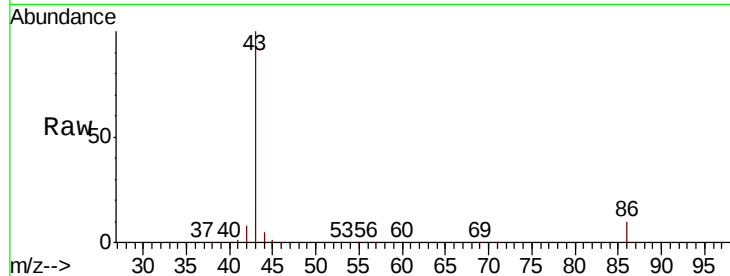
VSTDCCC050

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.52

400000

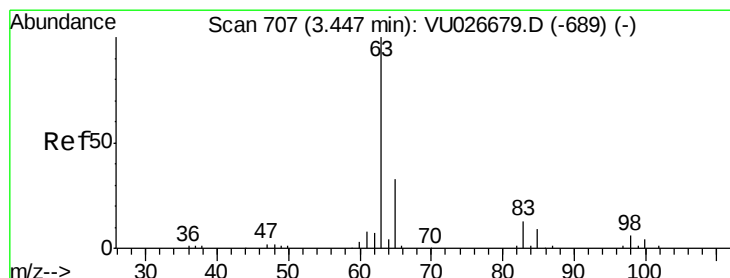
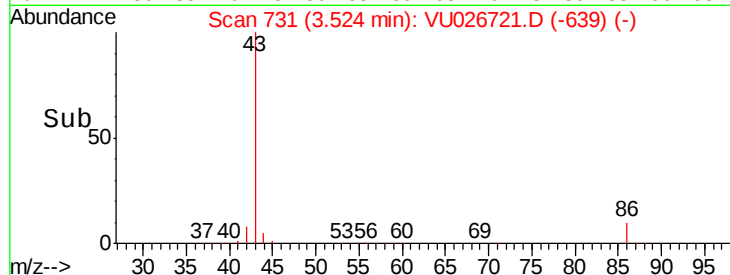
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.11 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

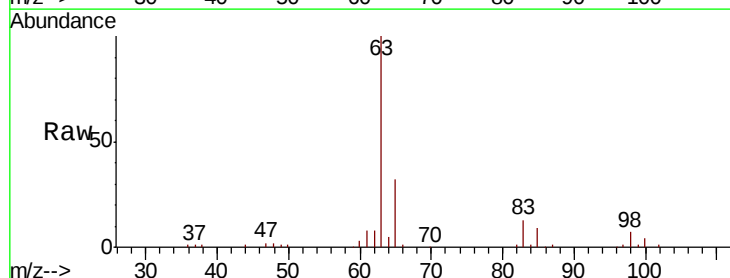
Tgt Ion: 63 Resp: 130783

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

100 4.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.44

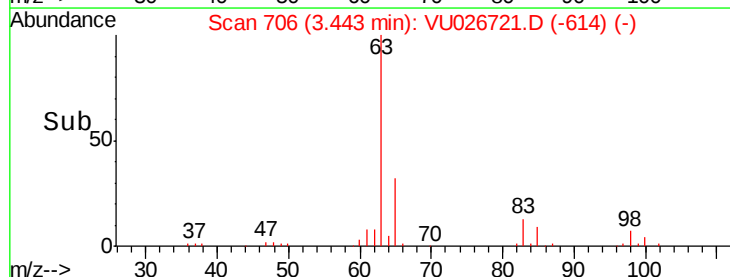
60000

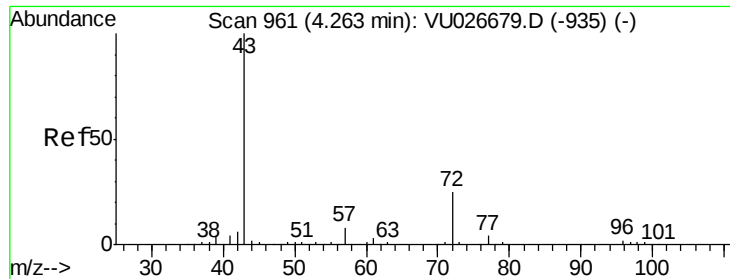
40000

20000

0

Time-->





#25

2-Butanone

Concen: 244.81 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 322954

Ion Ratio Lower Upper

43 100

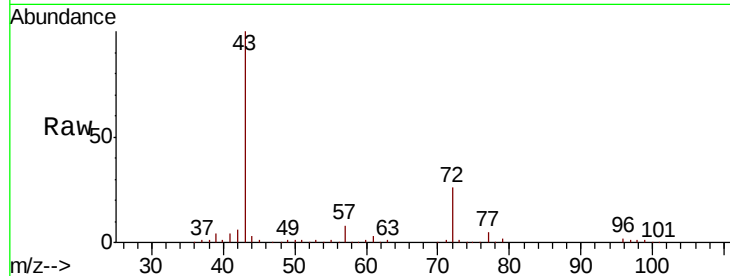
72 25.9 20.3 30.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

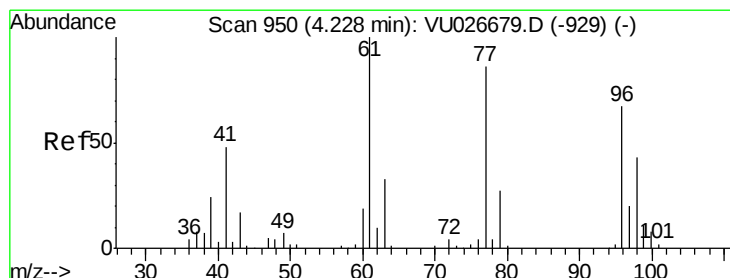
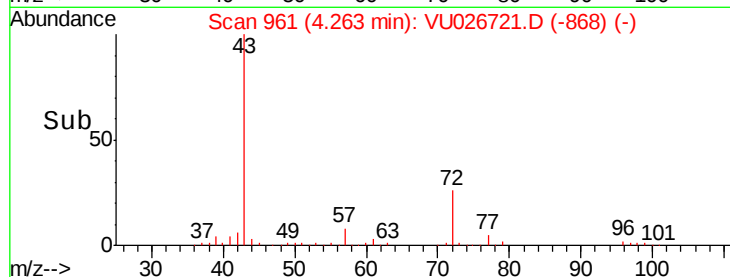
100000

50000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 48.93 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU026721.D

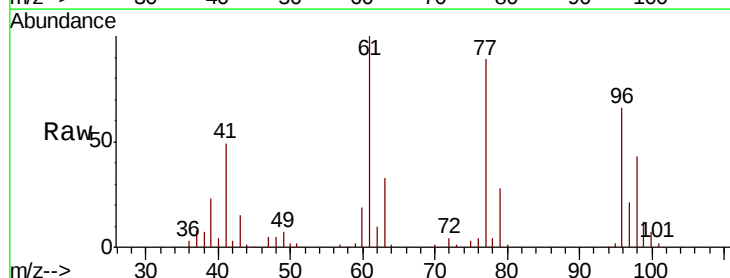
Acq: 13 Sep 2018 08:41

Tgt Ion: 77 Resp: 111645

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

40000

30000

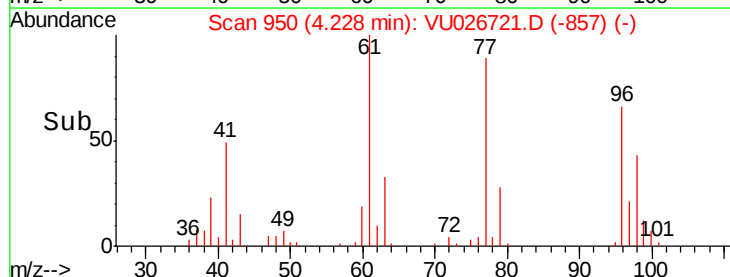
20000

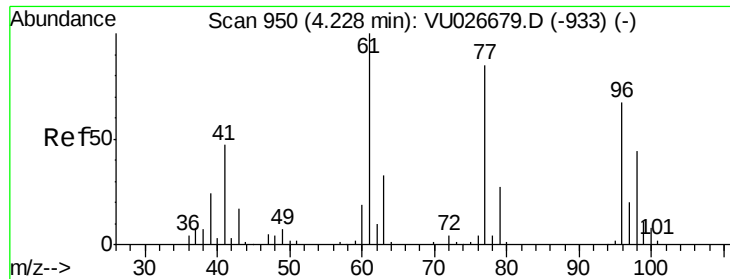
10000

0

4.10 4.20 4.30

Time-->





#27

cis-1,2-Dichloroethene

Concen: 47.55 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 75574

Ion Ratio Lower Upper

96 100

61 152.3 0.0 301.8

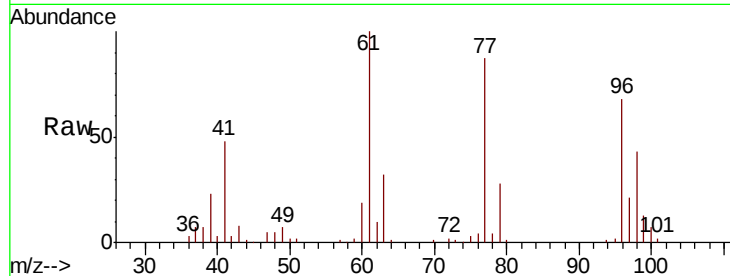
98 64.3 0.0 127.2

Manual Integrations

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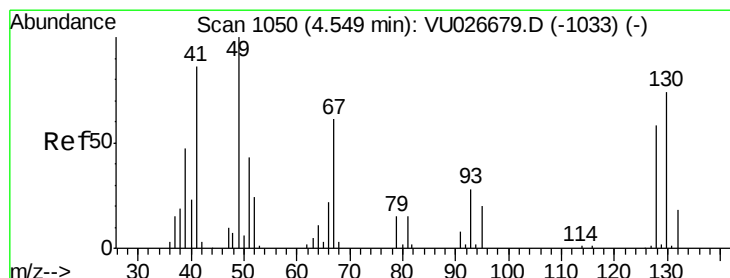
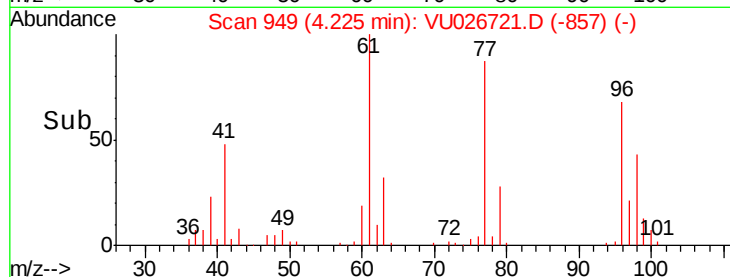
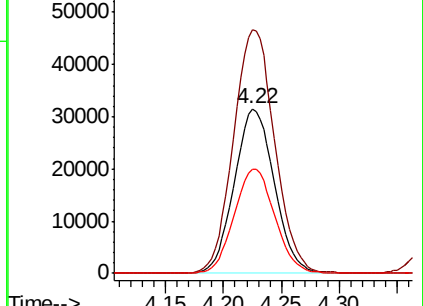
9/17/2018 11:34:56 AM



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 45.90 ug/l

RT: 4.55 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

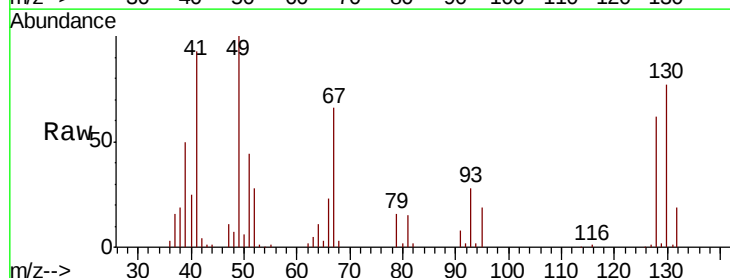
Tgt Ion: 49 Resp: 60928

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.8

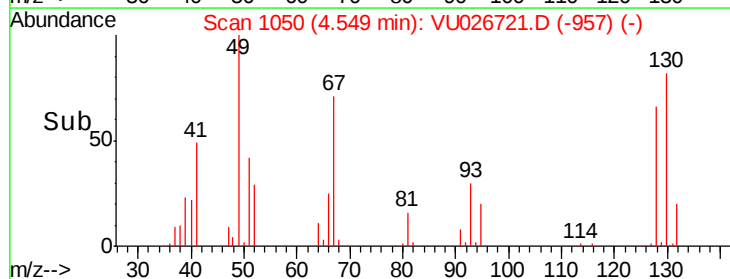
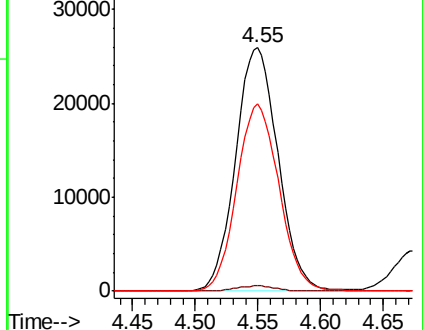
130 76.5 59.8 89.6

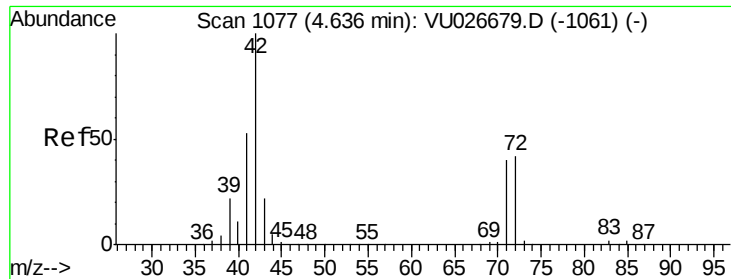


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





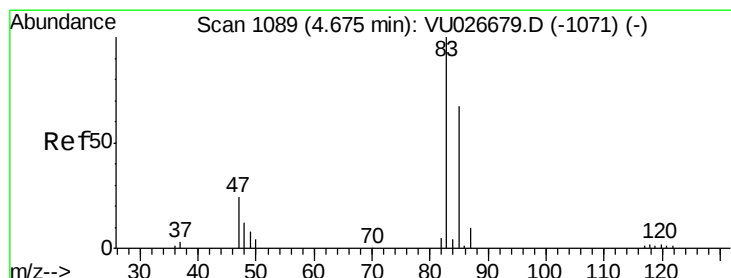
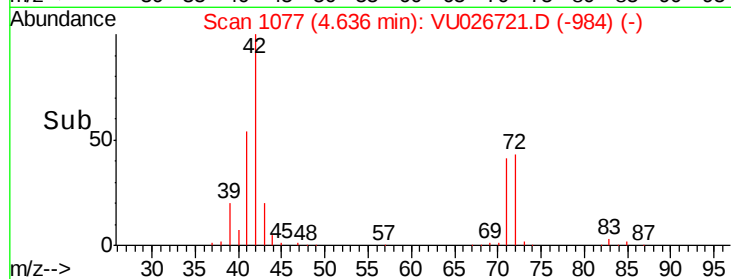
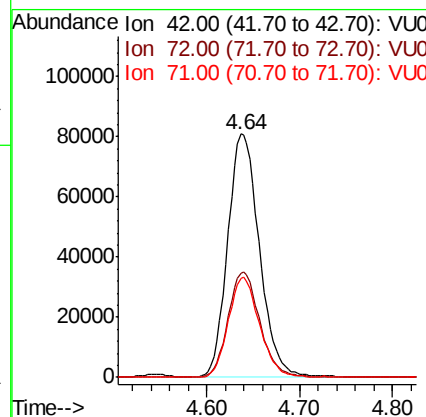
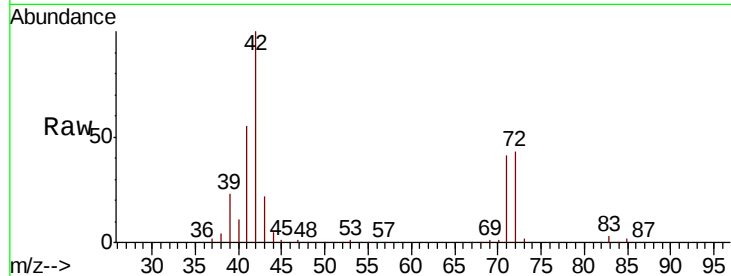
#29
Tetrahydrofuran
Concen: 240.38 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.4	51.6
71	40.6	32.4	48.6

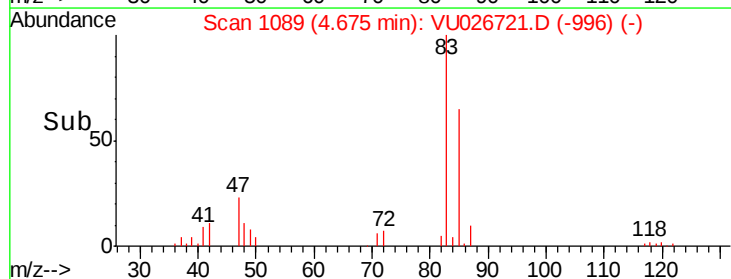
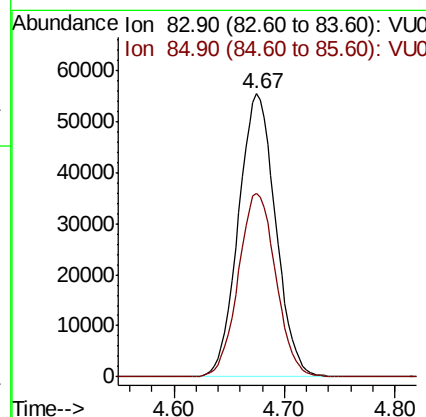
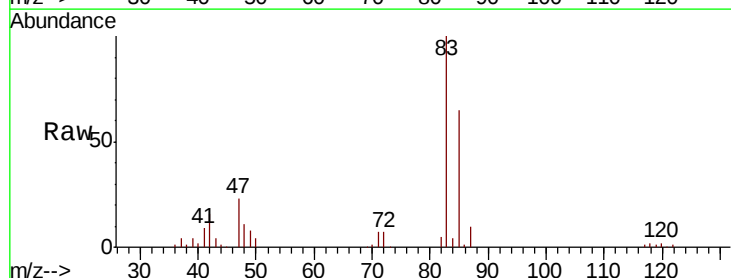
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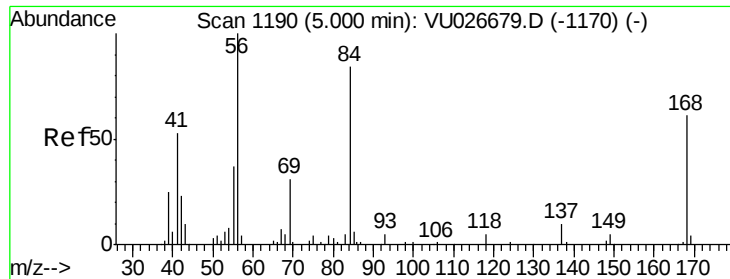
MMDadoda
9/17/2018 11:34:56 AM



#30
Chloroform
Concen: 47.37 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.3	79.9





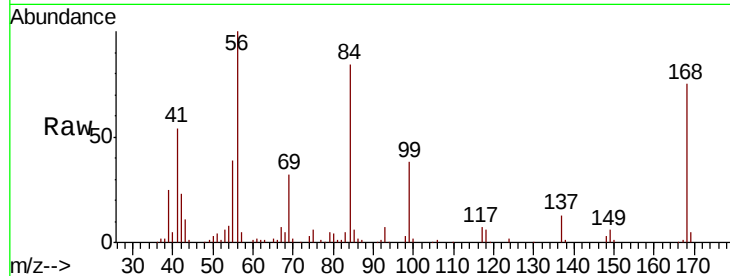
#31
Cyclohexane
Concen: 45.86 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

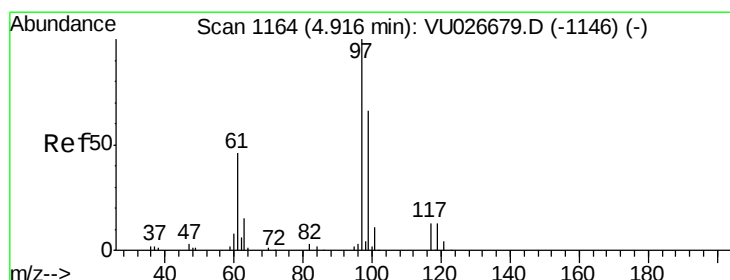
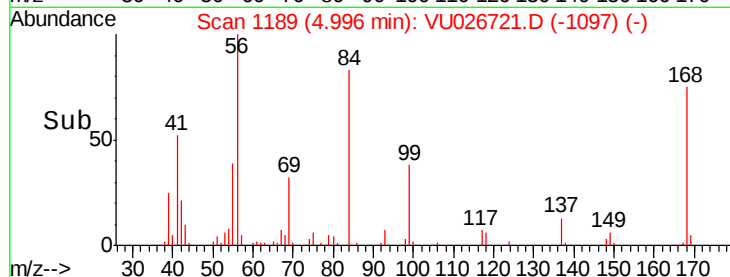
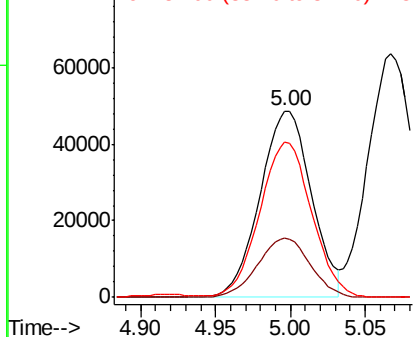
Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	24.9	37.3
84	82.7	66.6	100.0

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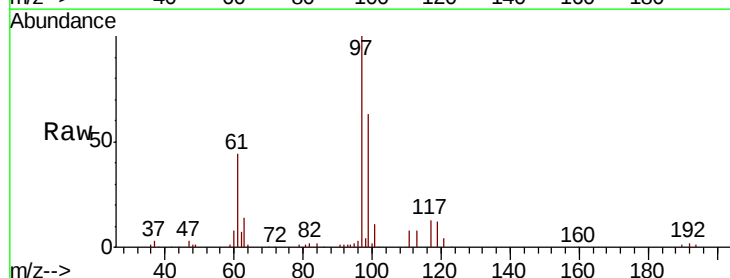


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

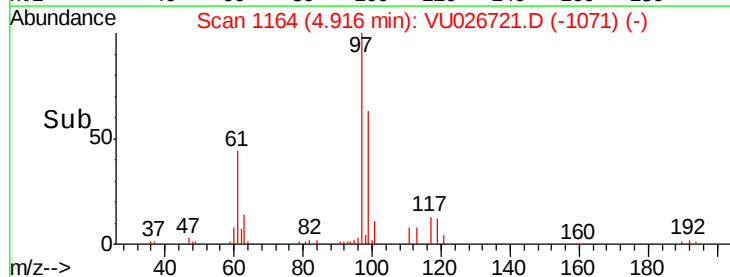
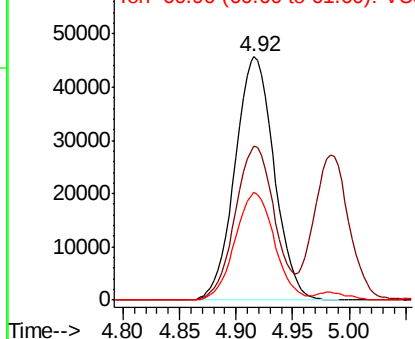


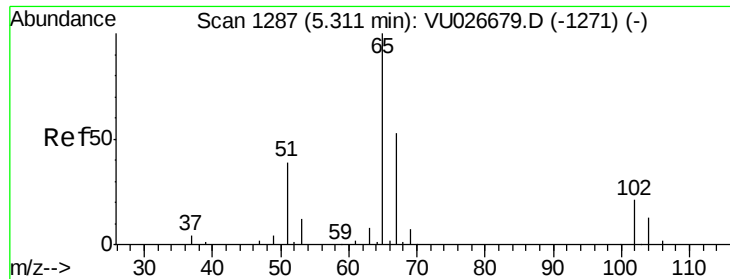
#32
1,1,1-Trichloroethane
Concen: 48.71 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.2	78.2
61	44.5	36.8	55.2



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





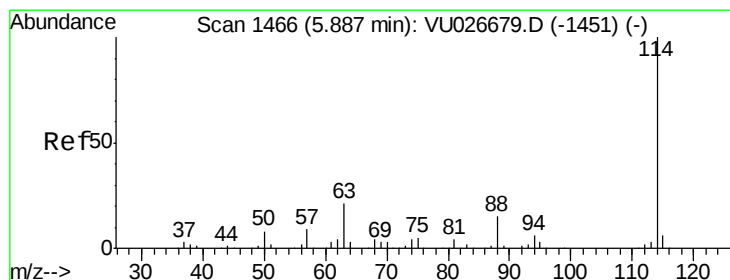
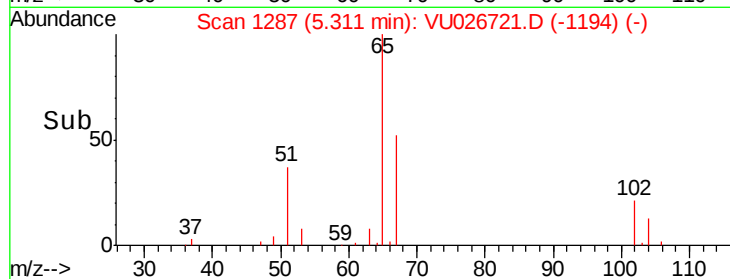
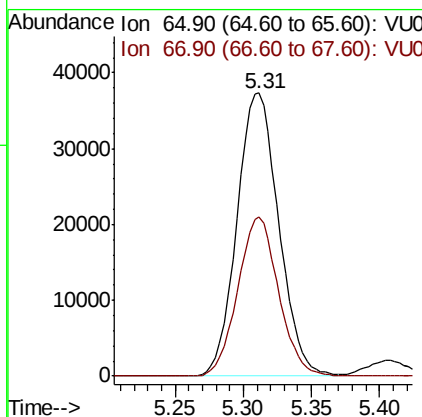
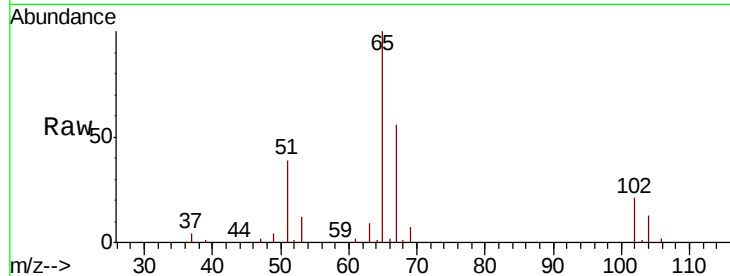
#33
 1,2-Dichloroethane-d4
 Concen: 45.98 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	106.4

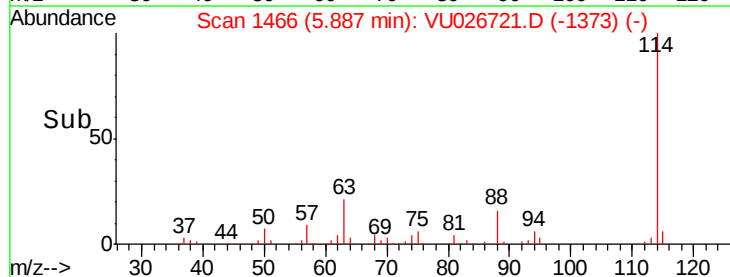
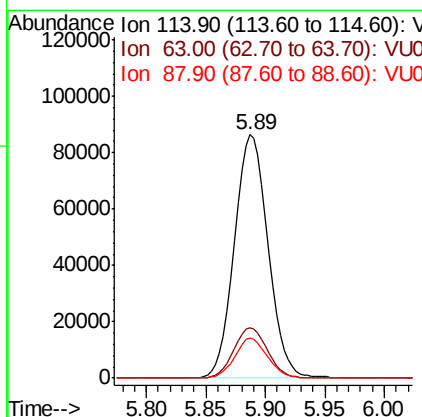
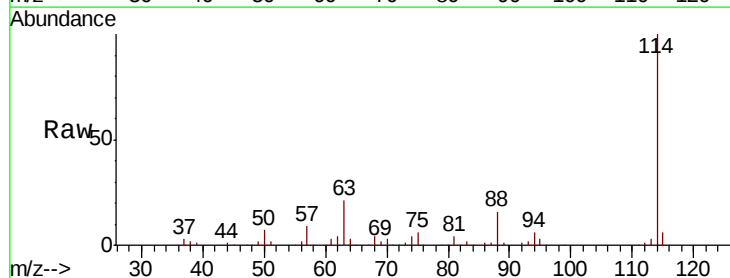
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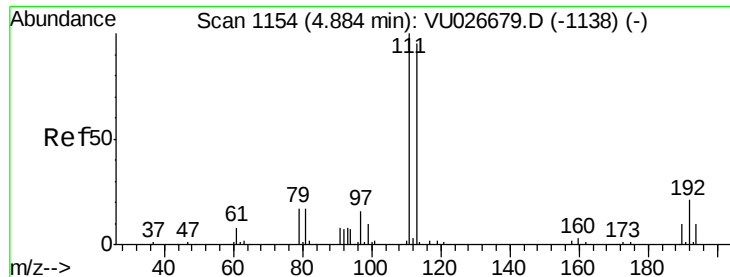
MMDadoda
 9/17/2018 11:34:56 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.4
88	16.5	0.0	30.8





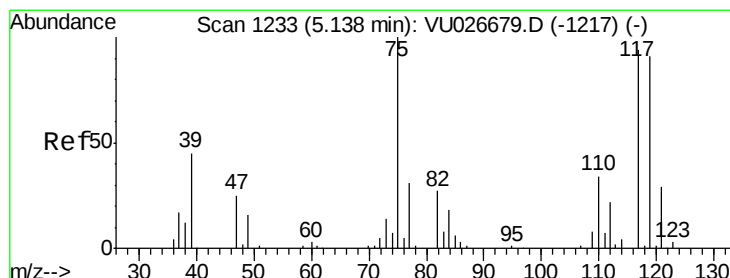
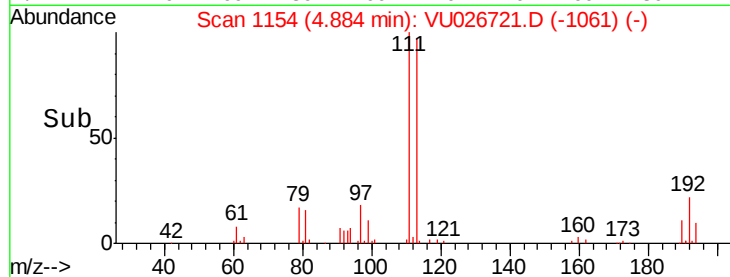
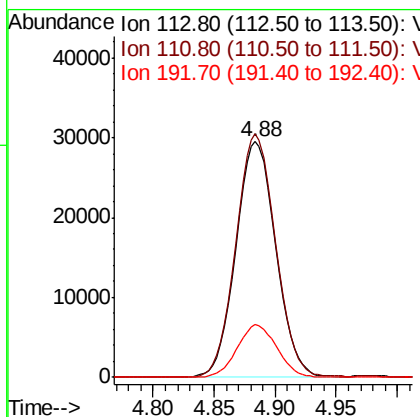
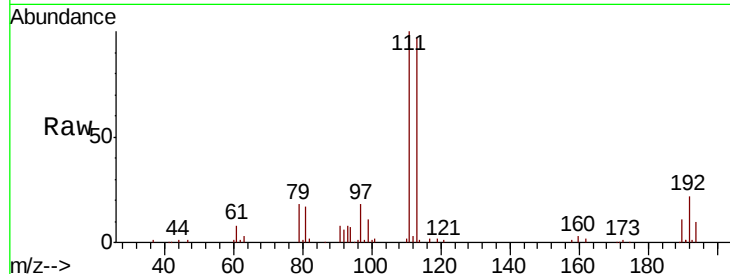
#35
 Dibromofluoromethane
 Concen: 48.23 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	66768		
111	102.9	83.1	124.7	
192	22.0	17.4	26.2	

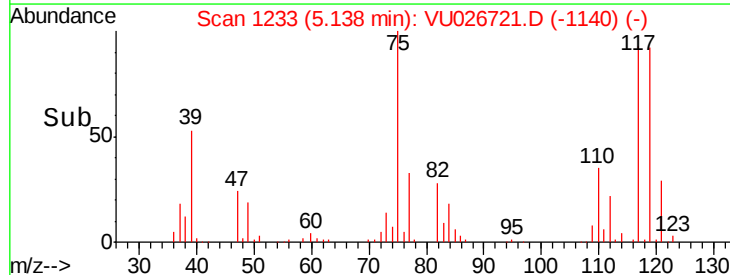
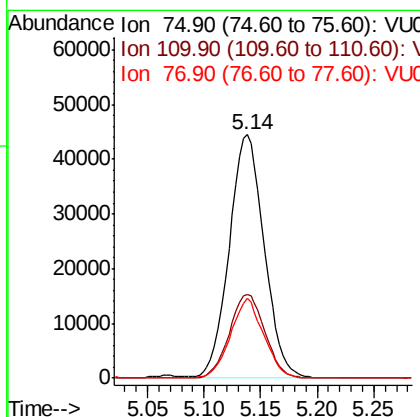
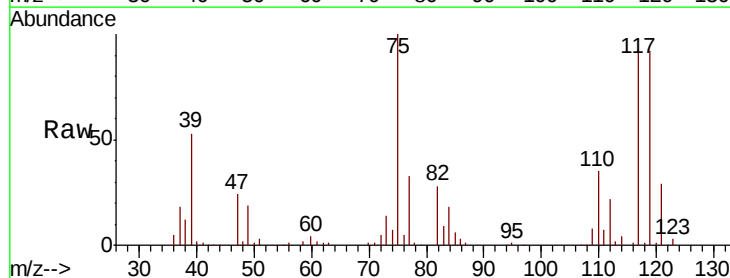
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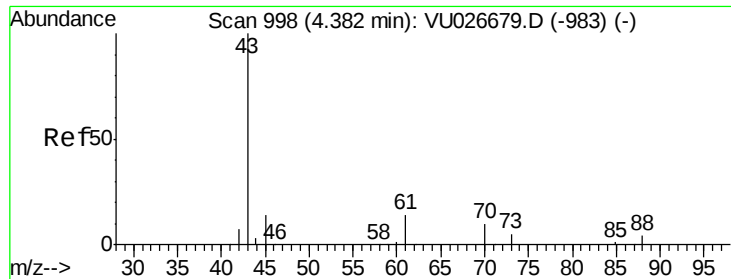
MMDadoda
 9/17/2018 11:34:56 AM



#36
 1,1-Dichloropropene
 Concen: 50.30 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	95842		
110	34.9	17.3	51.9	
77	30.9	24.9	37.3	





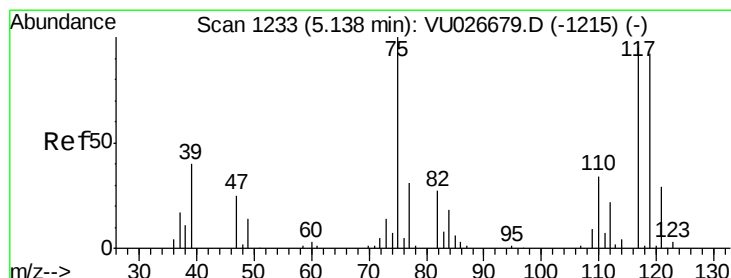
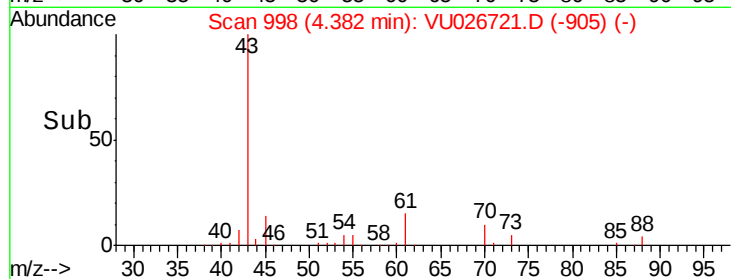
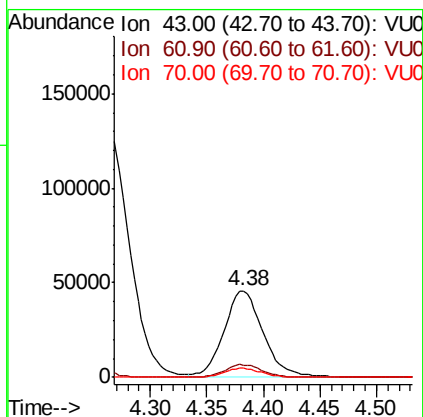
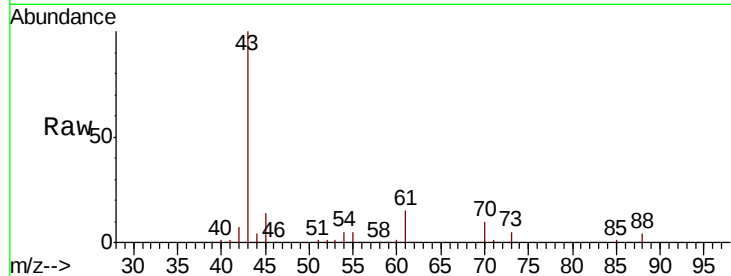
#37
Ethyl Acetate
Concen: 47.43 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	108693
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	10.1	7.8	11.8

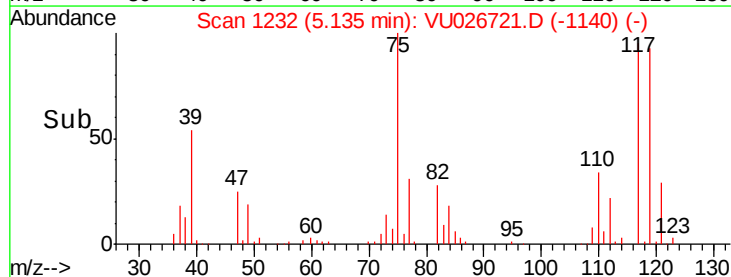
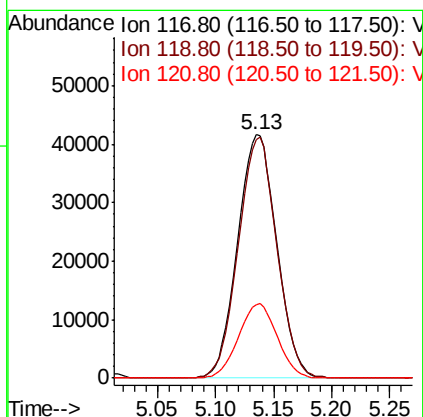
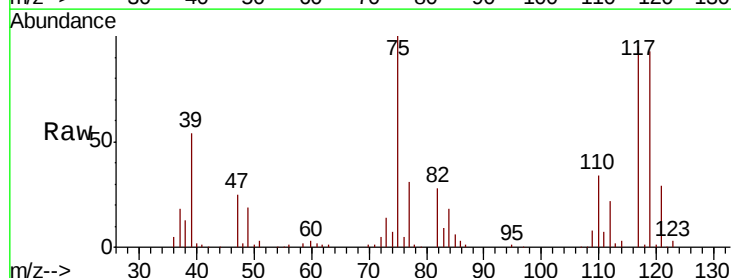
Manual Integrations
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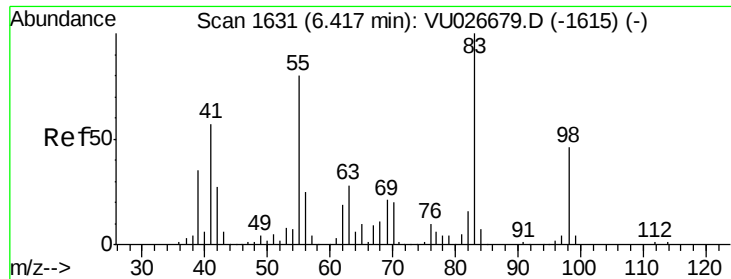
MMDadoda
9/17/2018 11:34:56 AM



#38
Carbon Tetrachloride
Concen: 48.44 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion:	117	Resp:	97522
Ion	Ratio	Lower	Upper
117	100		
119	98.2	77.8	116.8
121	30.4	25.0	37.4





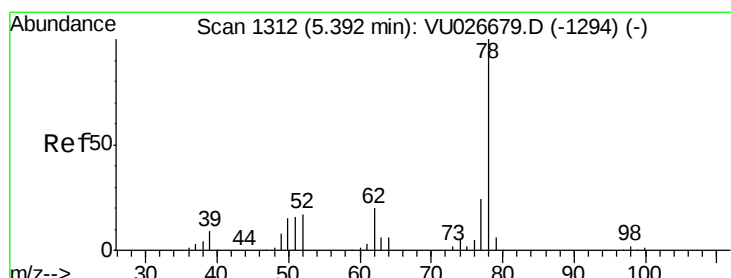
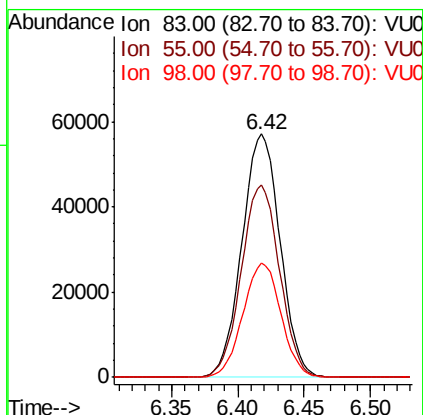
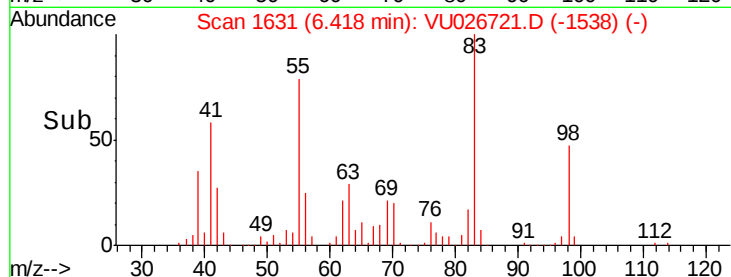
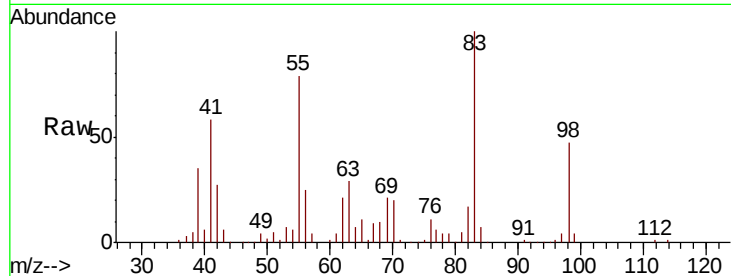
#39
Methvlcvclohexane
Concen: 50.51 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	114289
Ion Ratio	100	Lower	Upper
83	100		
55	78.9	63.8	95.6
98	46.9	37.2	55.8

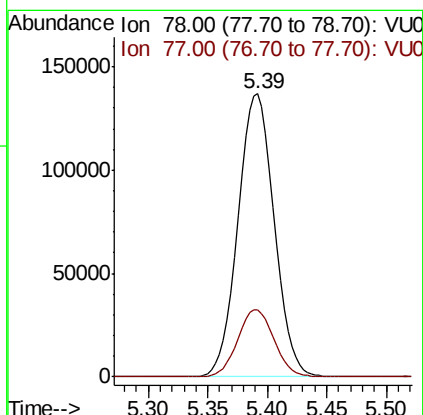
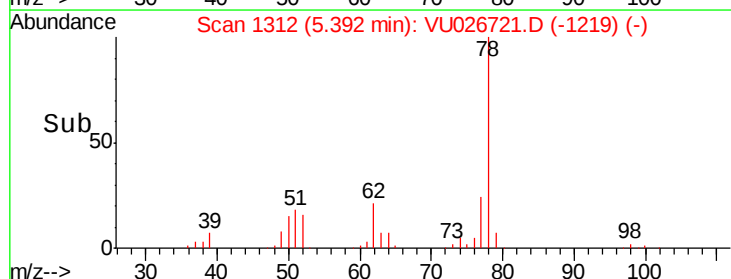
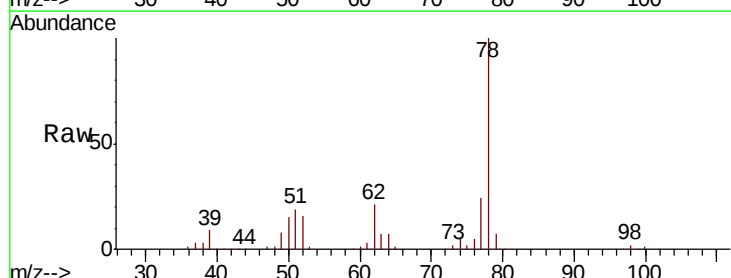
Manual Integrations
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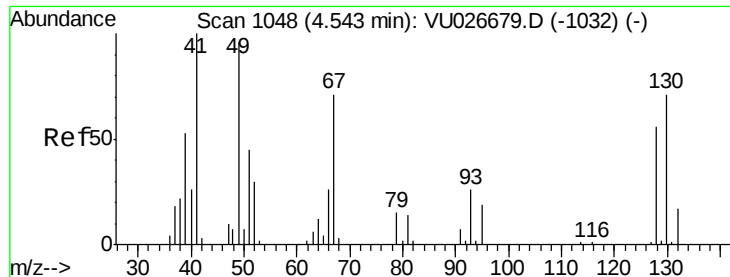
MMDadoda
9/17/2018 11:34:56 AM



#40
Benzene
Concen: 48.88 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion	78	Resp	289242
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	19.5	29.3





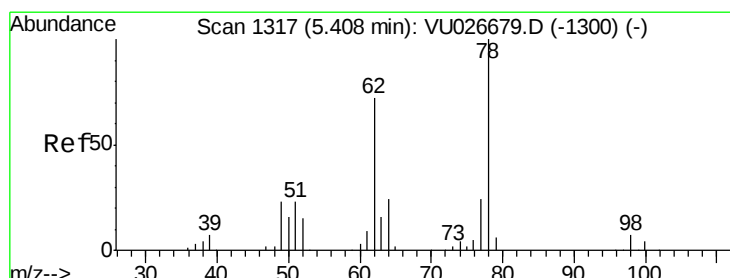
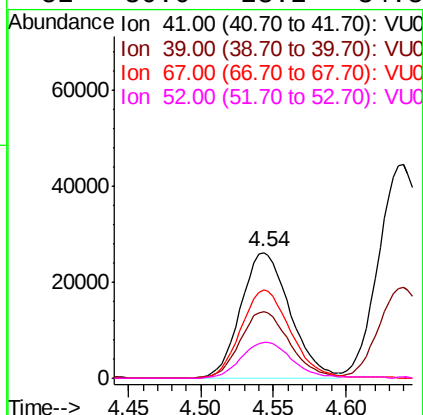
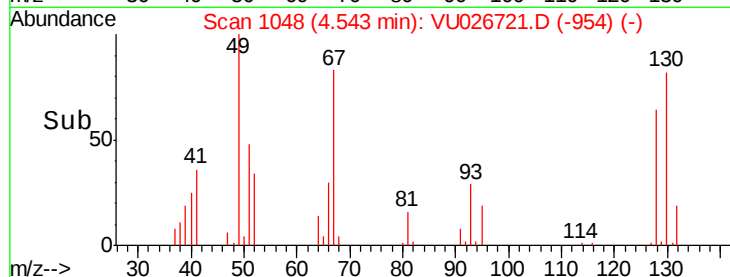
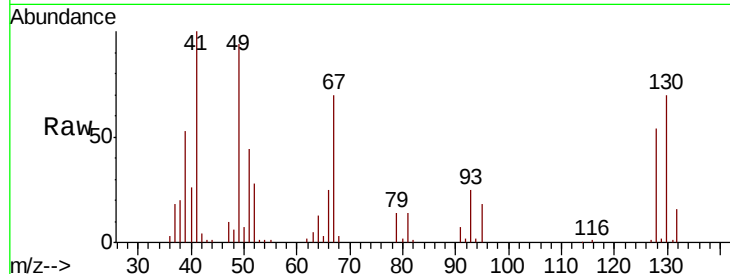
#41
Methacrylonitrile
Concen: 47.91 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	42.9	64.3	
67	71.0	56.6	84.8	
52	30.0	23.2	34.8	

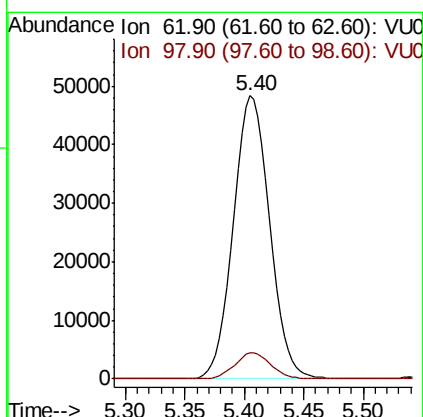
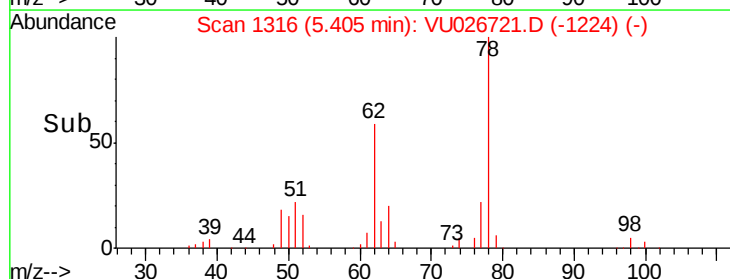
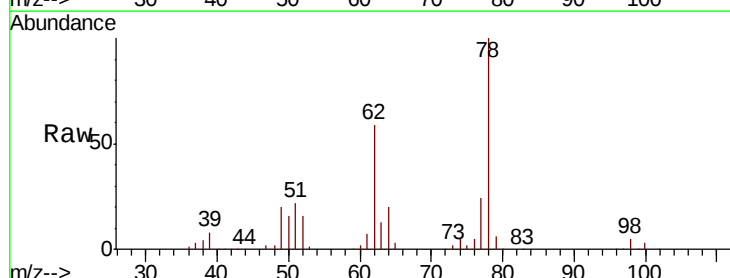
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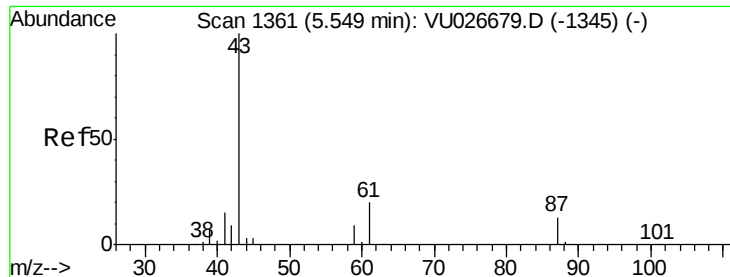
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.61 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	17.8	





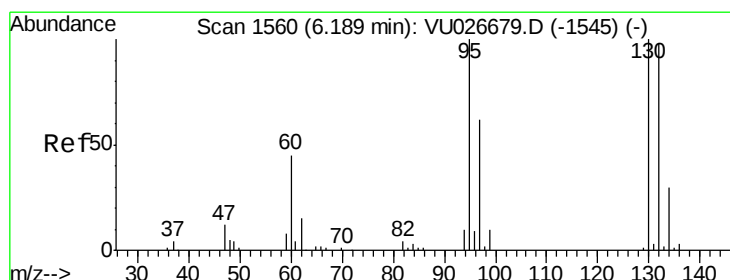
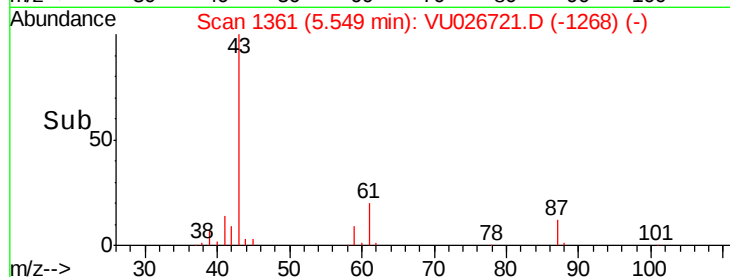
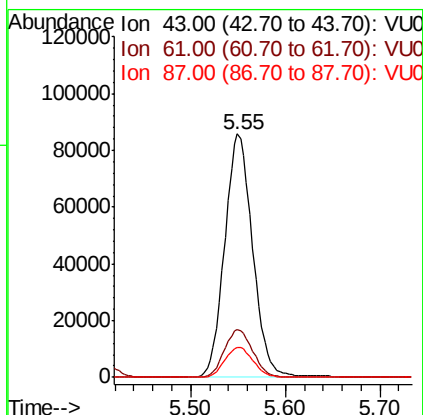
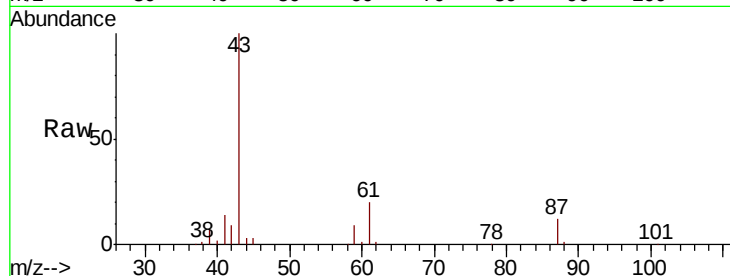
#43
Isopropyl Acetate
Concen: 50.57 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	16.0	24.0
87	12.5	10.1	15.1

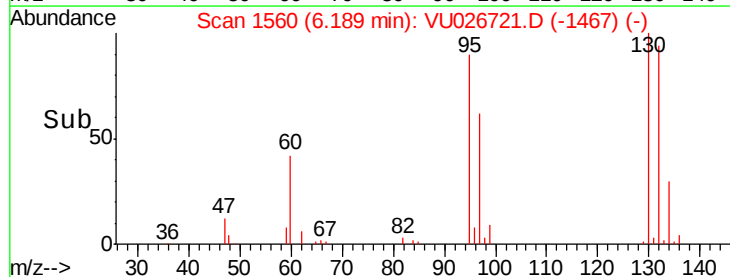
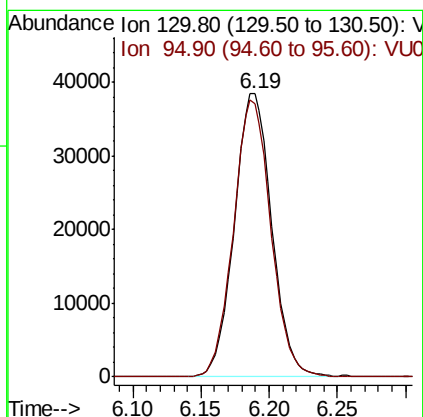
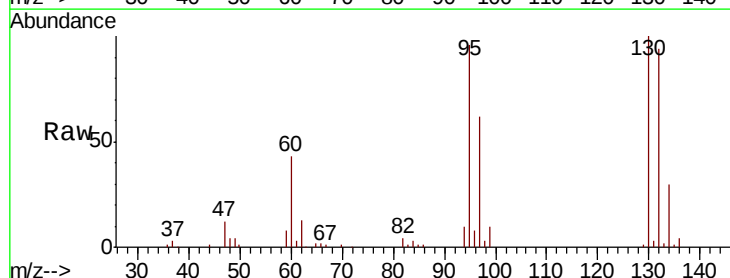
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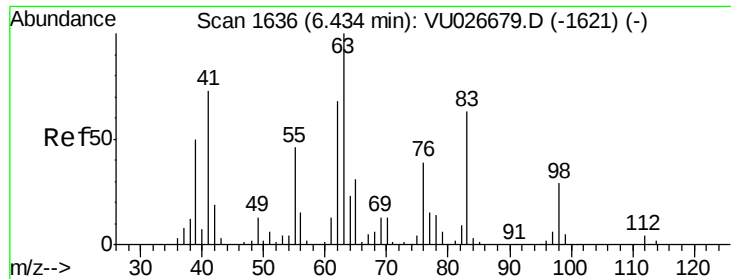
MMDadoda
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#44
Trichloroethene
Concen: 49.93 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	199.4





#45

1,2-Dichloropropane

Concen: 49.73 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 80008

Ion Ratio Lower Upper

63 100

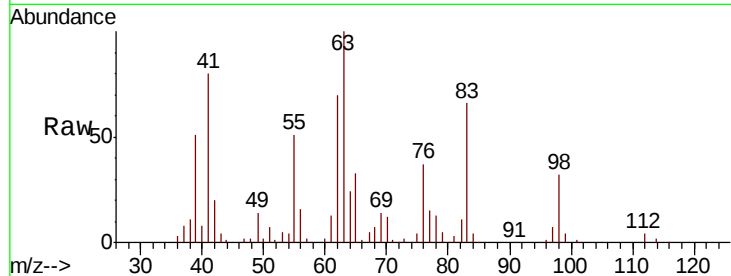
65 32.7 25.0 37.4

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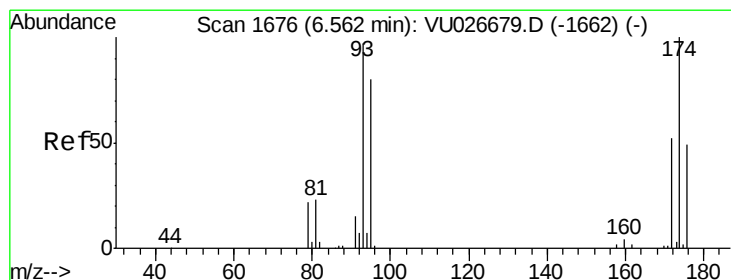
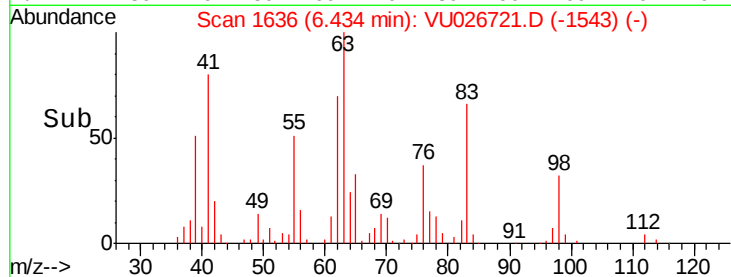
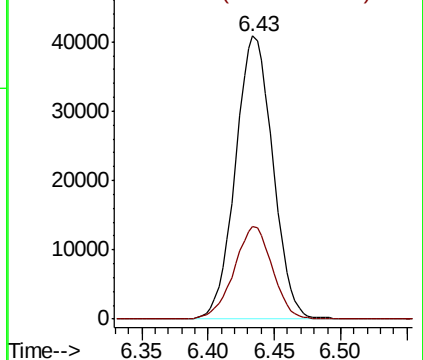
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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 50.14 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

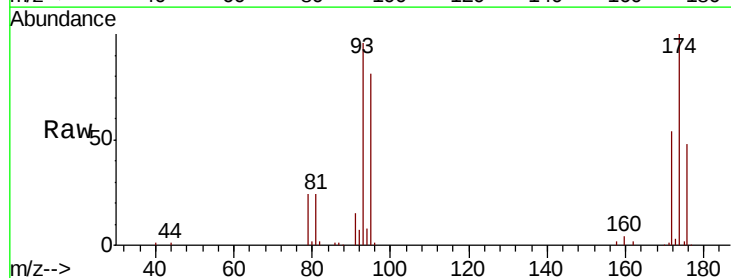
Tgt Ion: 93 Resp: 52056

Ion Ratio Lower Upper

93 100

95 82.8 65.4 98.2

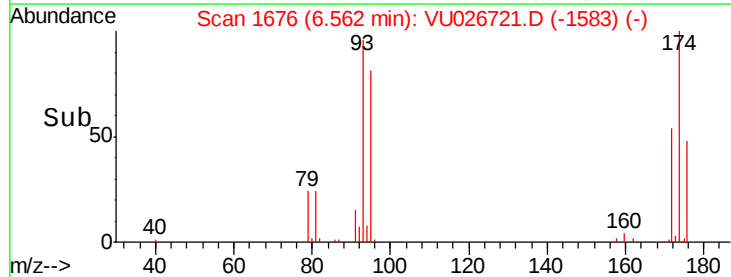
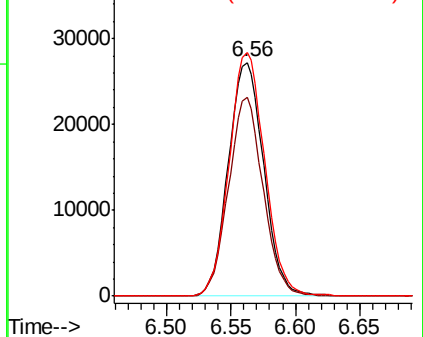
174 104.4 81.6 122.4

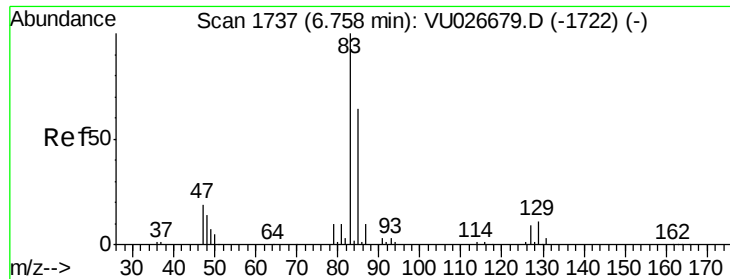


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.35 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

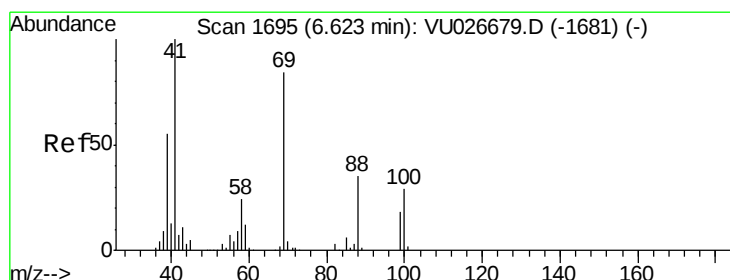
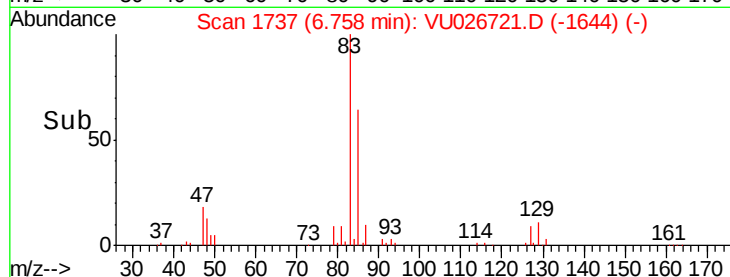
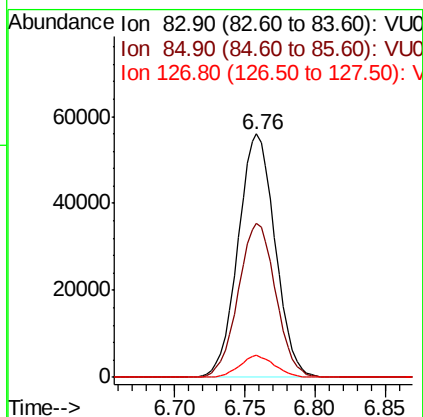
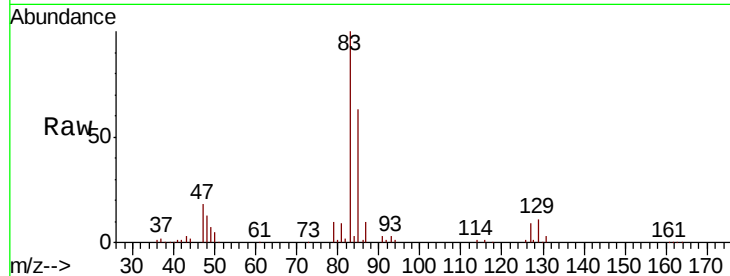
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	102931
Ion Ratio	Lower	Upper	
83	100		
85	63.1	51.1	76.7
127	8.9	6.9	10.3

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#48

Methyl methacrylate

Concen: 46.91 ug/l

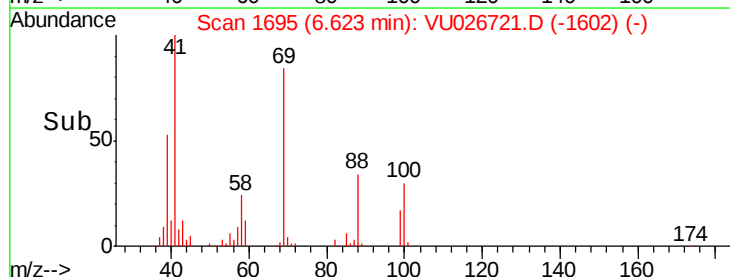
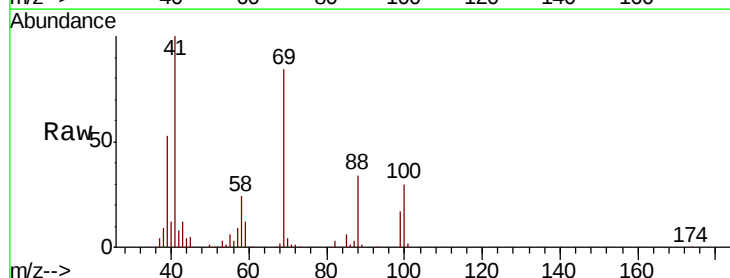
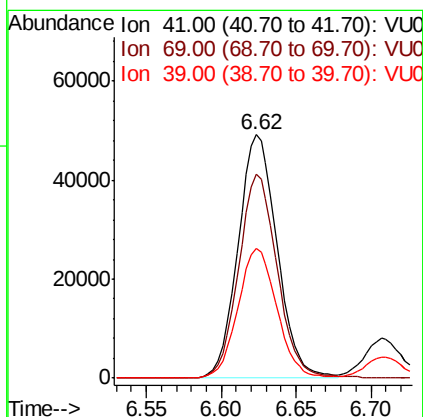
RT: 6.62 min Scan# 1695

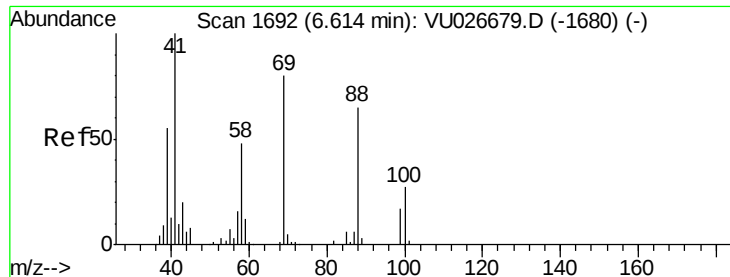
Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Tgt Ion:	41	Resp:	89328
Ion Ratio	Lower	Upper	
41	100		
69	82.7	66.6	99.8
39	53.4	43.6	65.4





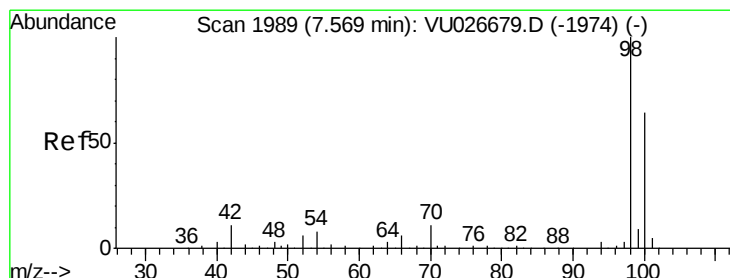
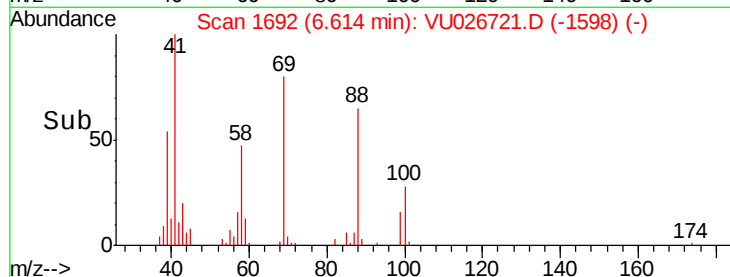
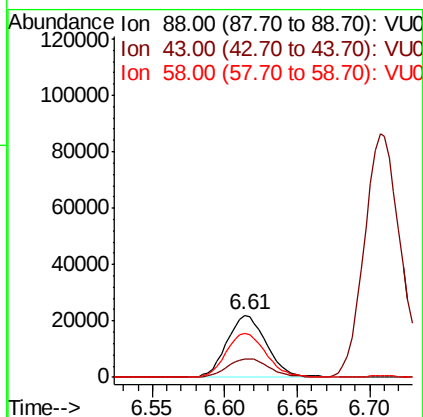
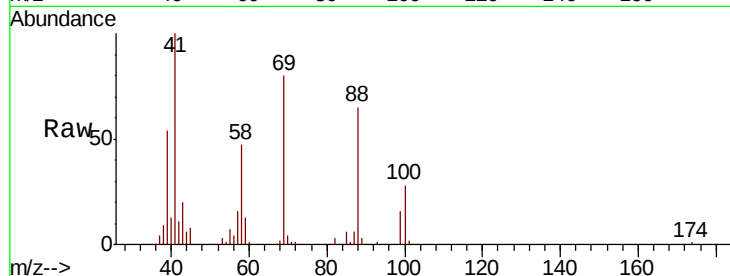
#49
1,4-Dioxane
Concen: 958.31 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.4	25.5	38.3
58	71.5	58.2	87.4

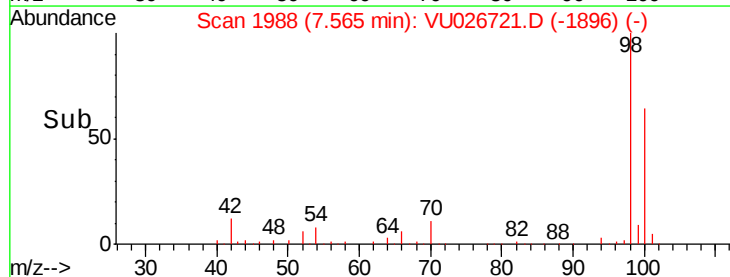
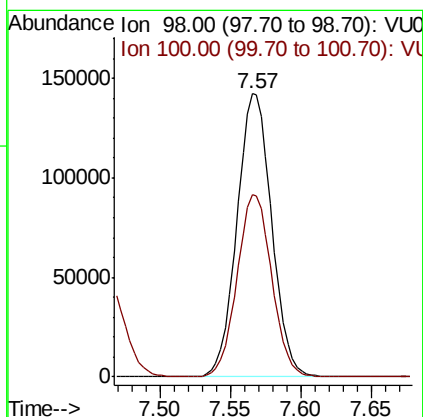
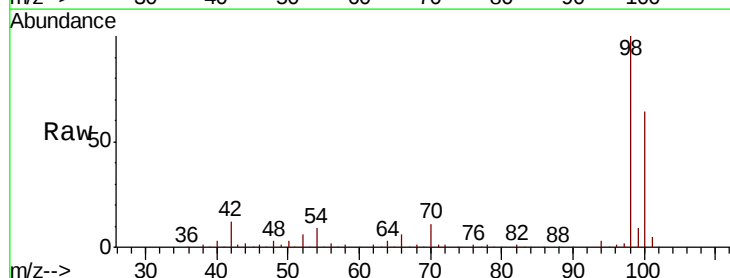
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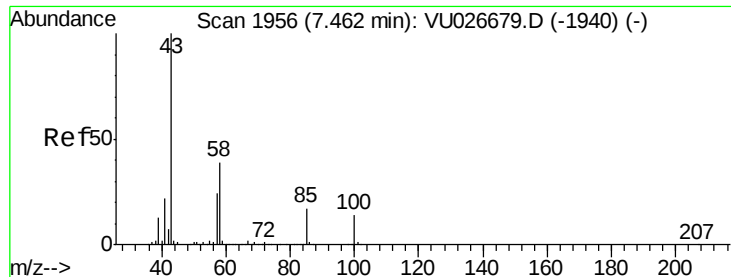
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#50
Toluene-d8
Concen: 47.85 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 249.01 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 581141

Ion Ratio Lower Upper

43 100

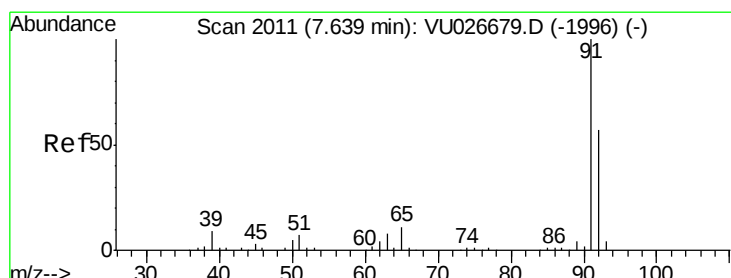
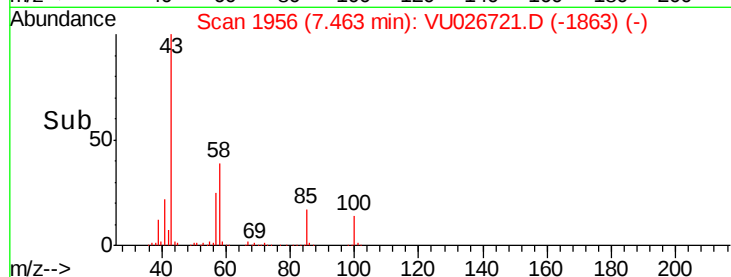
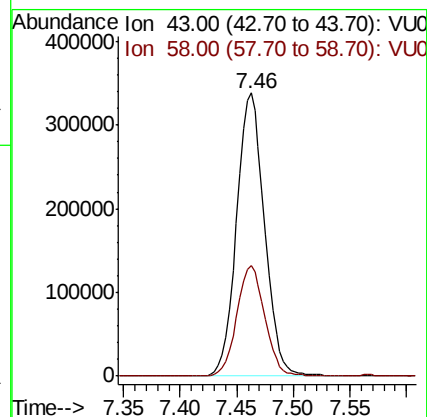
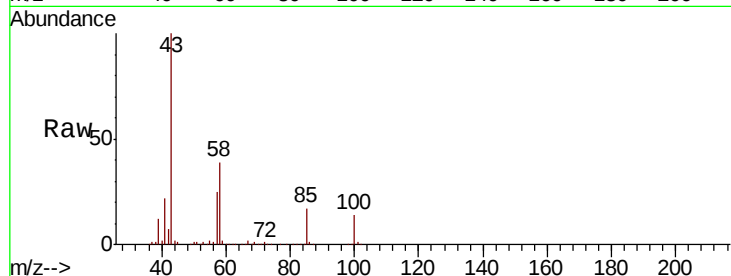
58 39.1 31.1 46.7

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#52

Toluene

Concen: 50.41 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026721.D

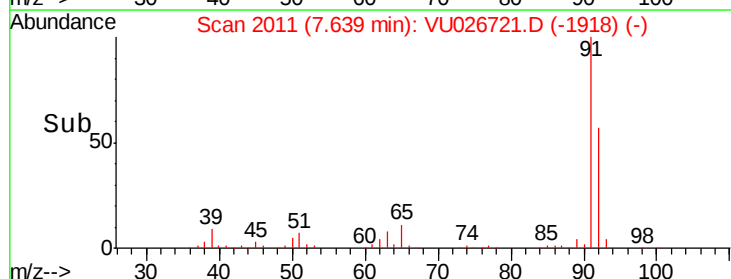
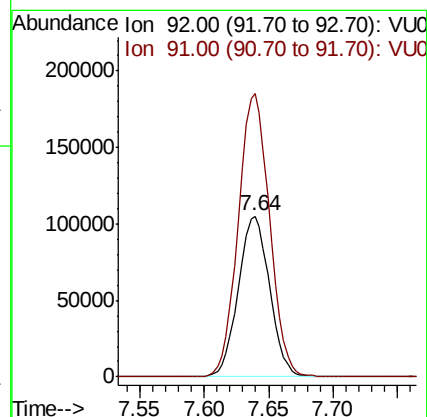
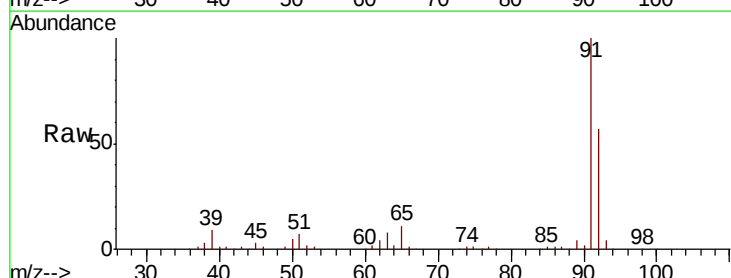
Acq: 13 Sep 2018 08:41

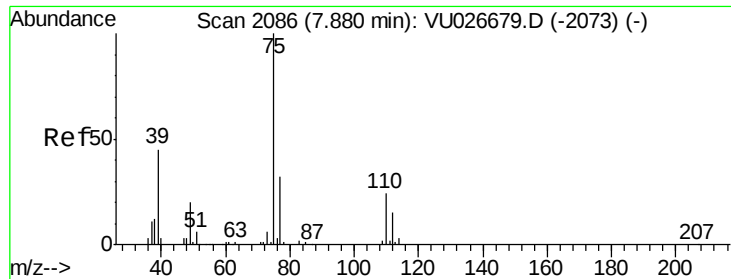
Tgt Ion: 92 Resp: 177700

Ion Ratio Lower Upper

92 100

91 176.3 141.1 211.7





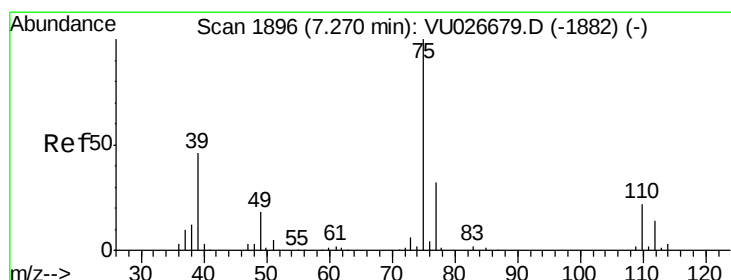
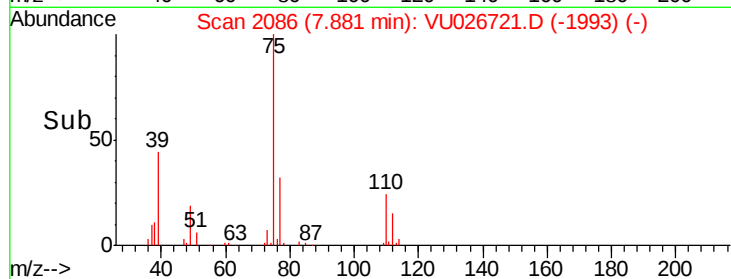
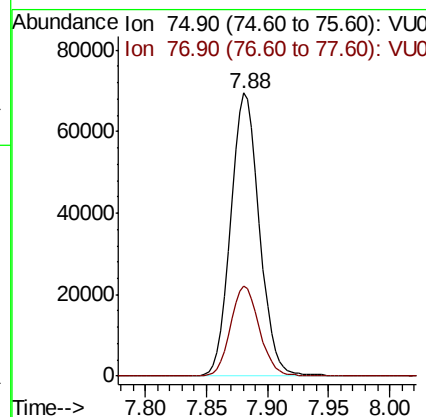
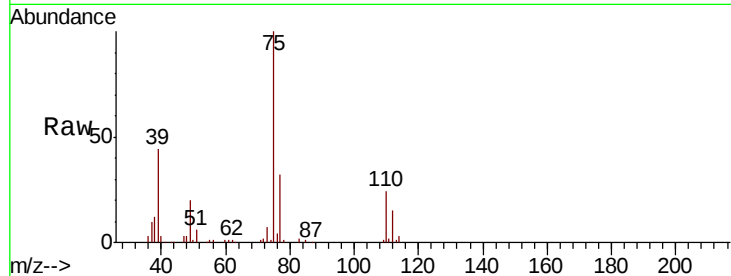
#53
t-1,3-Dichloropropene
Concen: 50.58 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.2	37.8

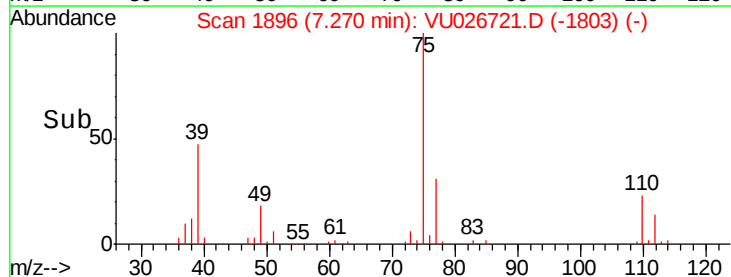
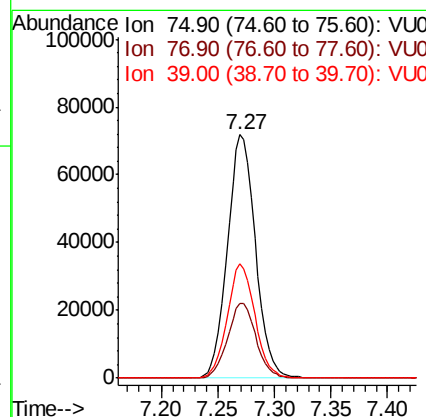
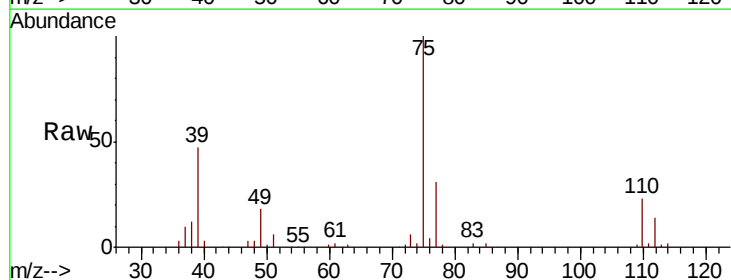
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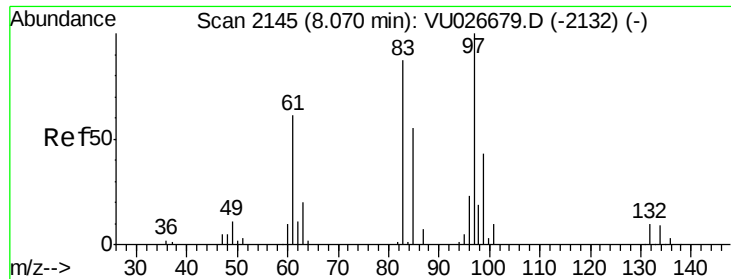
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#54
cis-1,3-Dichloropropene
Concen: 50.88 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.5	38.3
39	46.8	37.0	55.6





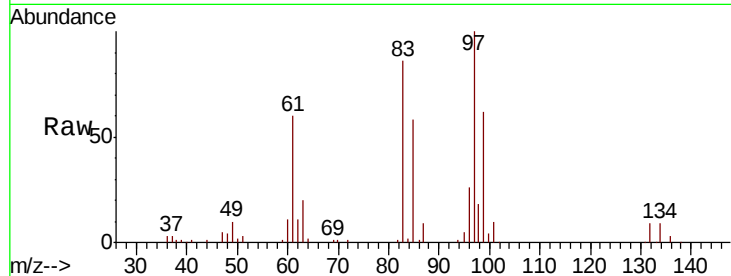
#55
 1,1,2-Trichloroethane
 Concen: 49.86 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

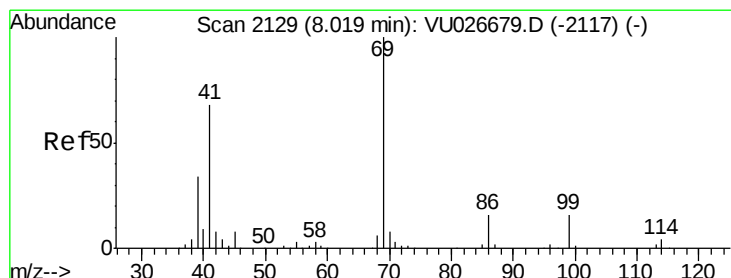
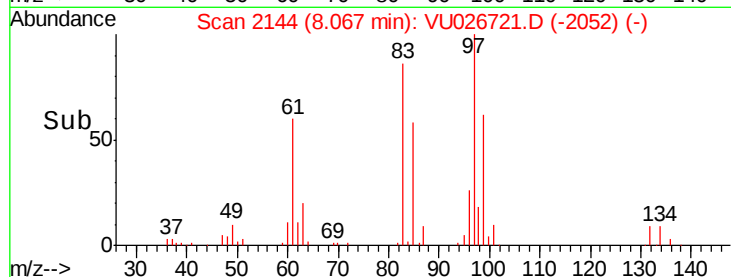
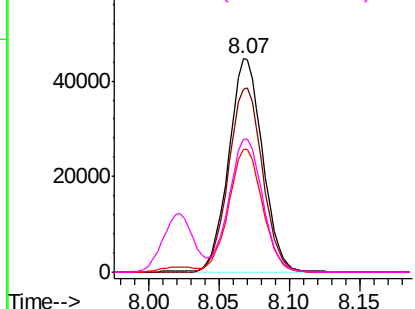
Tot Ion:	97	Resp:	75296
Ion	Ratio	Lower	Upper
97	100		
83	85.8	69.3	103.9
85	57.7	45.9	68.9
99	62.4	50.1	75.1

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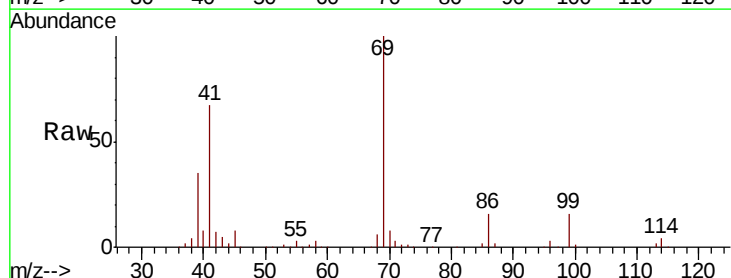


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

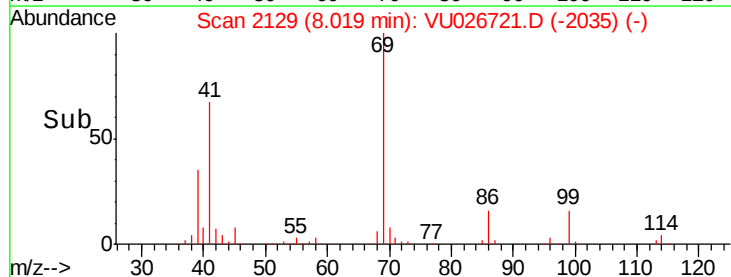
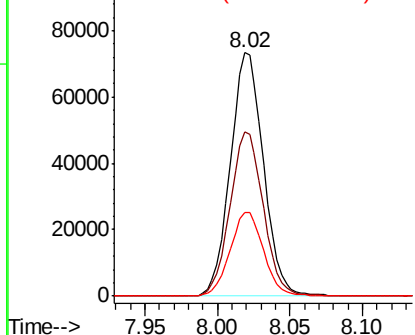


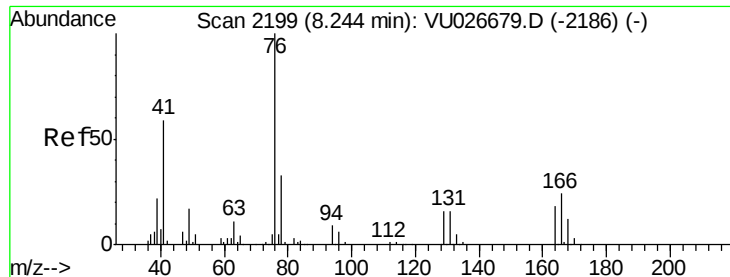
#56
 Ethyl methacrylate
 Concen: 45.81 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Tgt Ion:	69	Resp:	115921
Ion	Ratio	Lower	Upper
69	100		
41	67.9	54.2	81.2
39	35.0	28.4	42.6



Abundance Ion 69.00 (68.70 to 69.70): VU0
 Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0





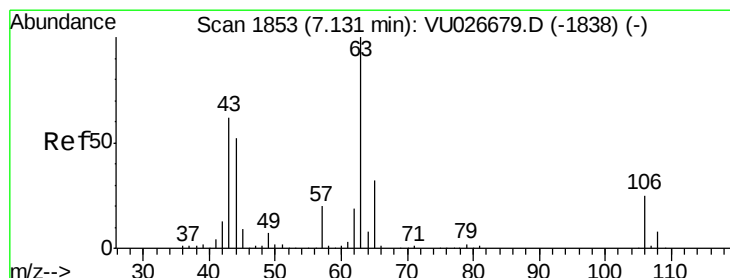
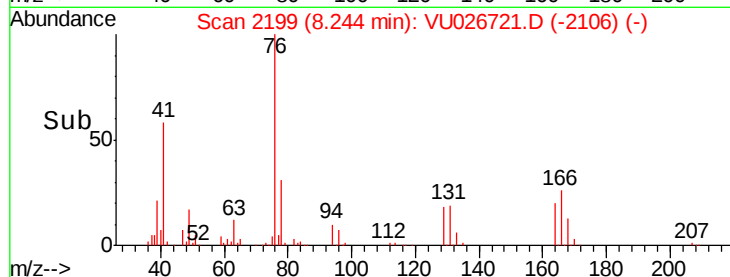
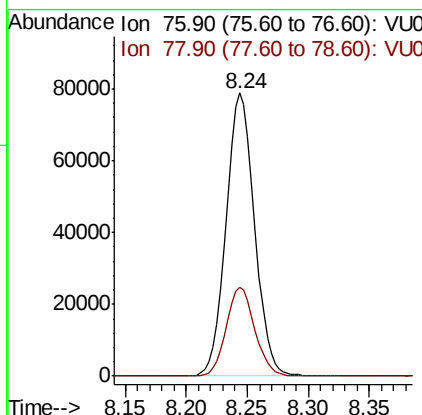
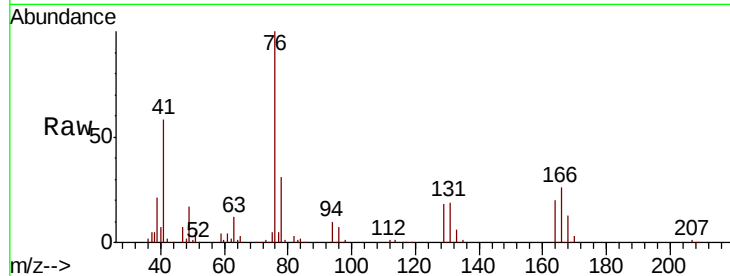
#57
 1,3-Dichloropropane
 Concen: 50.13 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	26.0	39.0

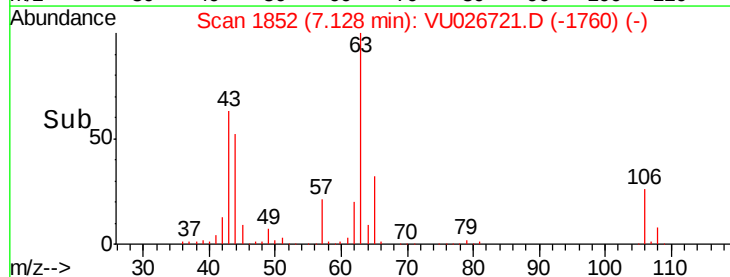
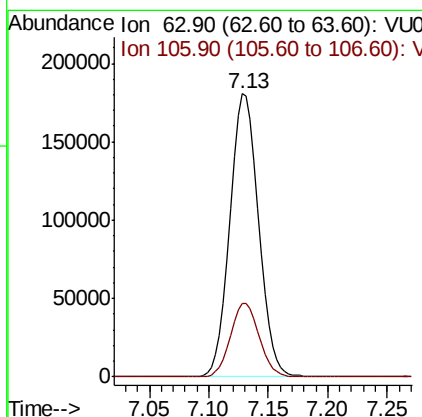
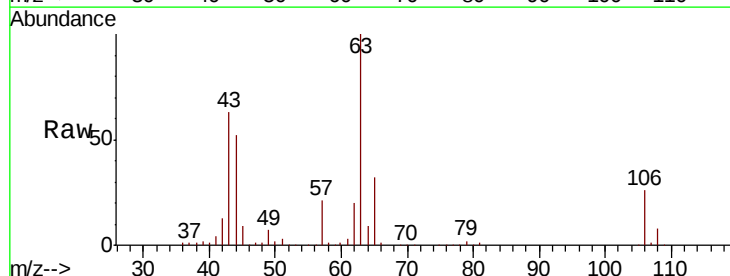
Manual Integrations
 APPROVED

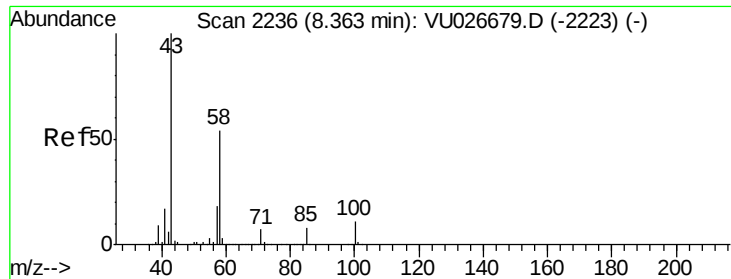
MMDadoda
 9/17/2018 11:34:56 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.95 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.0	20.5	30.7





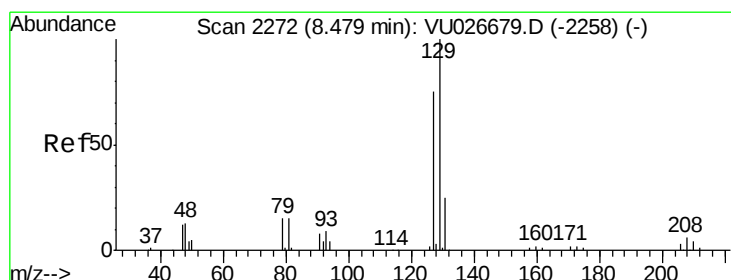
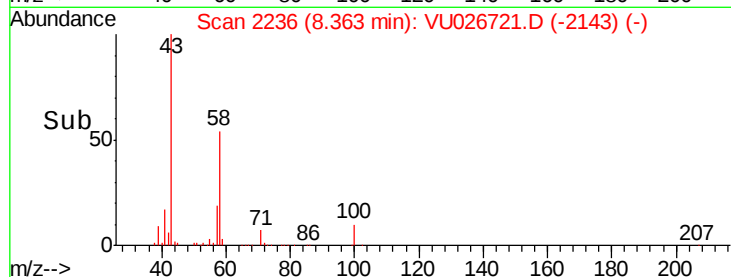
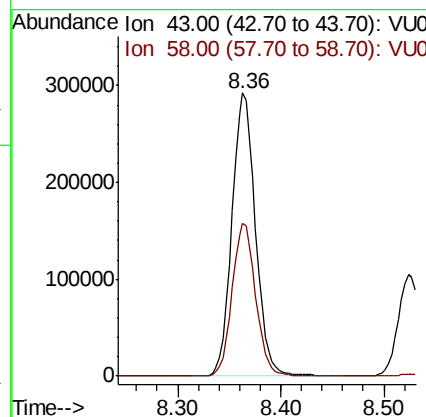
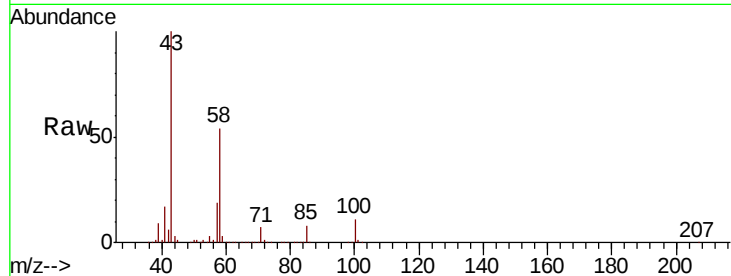
#59
2-Hexanone
Concen: 252.86 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 464426
Ion Ratio Lower Upper
43 100
58 54.0 26.9 80.7

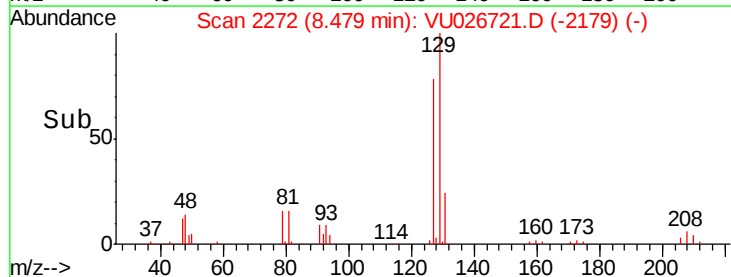
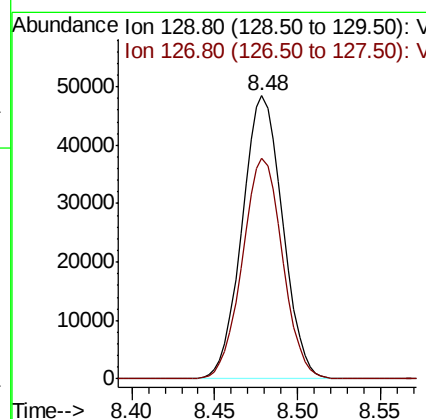
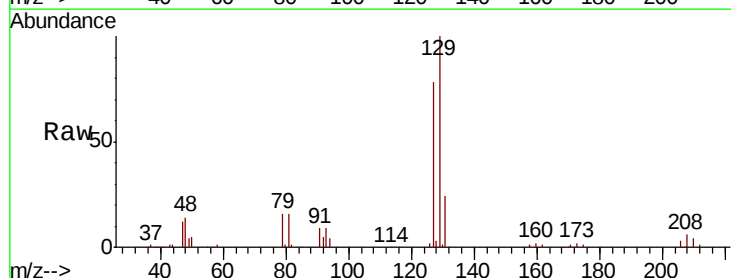
Manual Integrations
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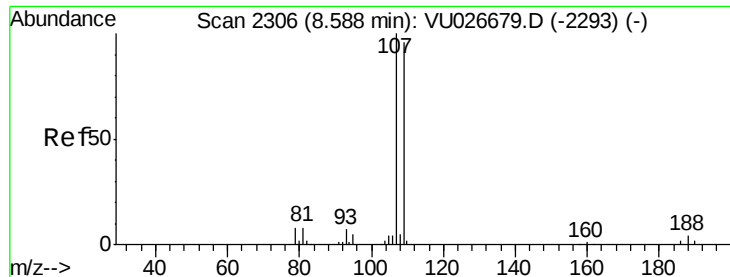
MMDadoda
9/17/2018 11:34:56 AM



#60
Dibromochloromethane
Concen: 50.34 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion: 129 Resp: 82341
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.9





#61

1,2-Dibromoethane

Concen: 49.04 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 80363

Ion Ratio Lower Upper

107 100

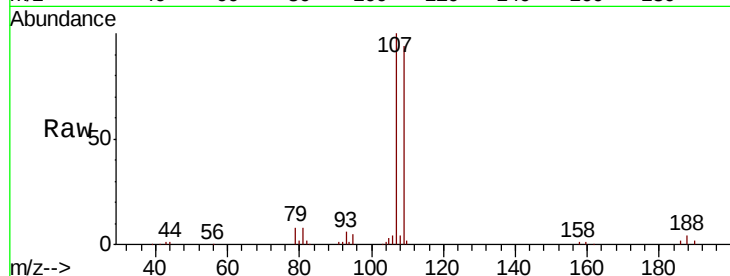
109 94.2 75.7 113.5

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

50000

40000

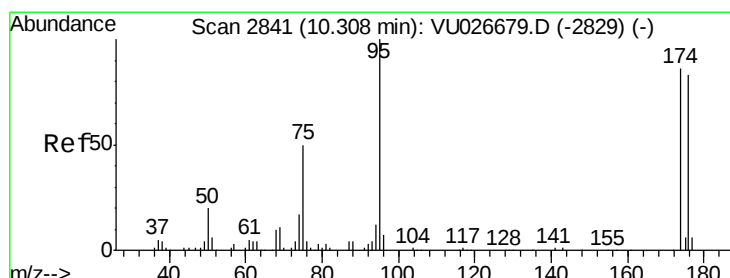
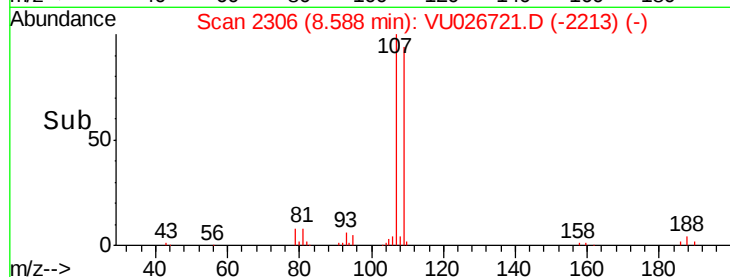
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.91 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

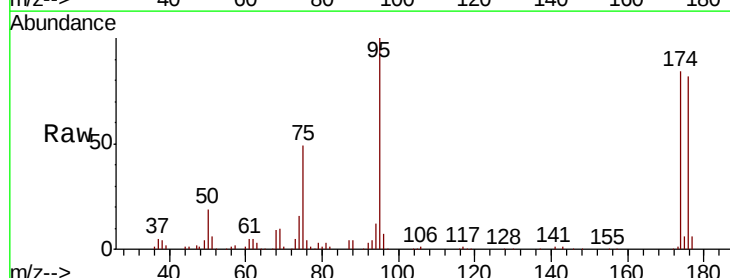
Tgt Ion: 95 Resp: 90762

Ion Ratio Lower Upper

95 100

174 85.6 0.0 172.8

176 83.2 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

80000

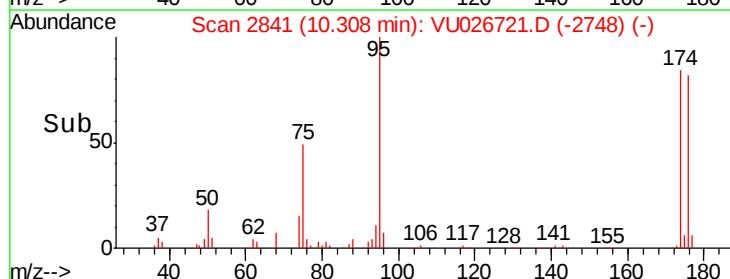
60000

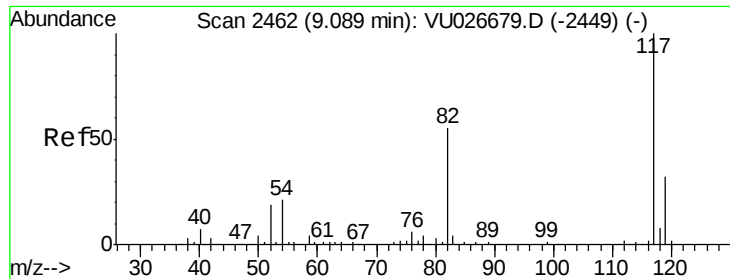
40000

20000

0

Time-->





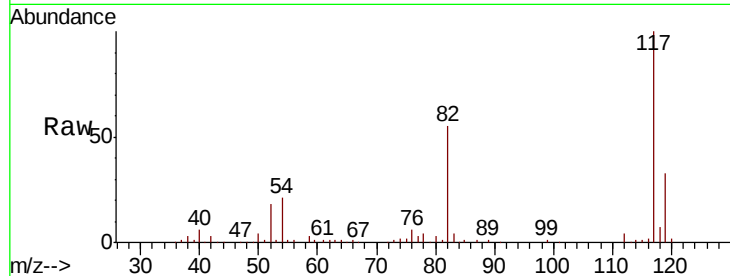
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	44.1	66.1
119	32.6	25.7	38.5

Manual Integrations
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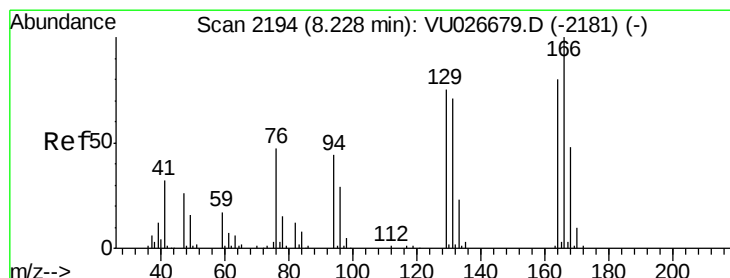
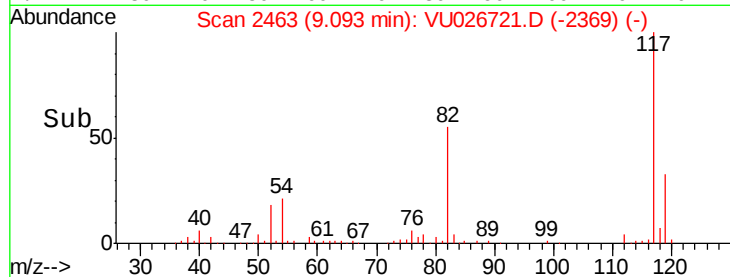
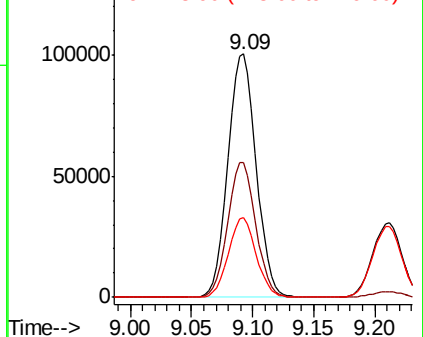


Abundance

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: 49.34 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	100.5	150.7
129	94.0	75.3	112.9
131	90.8	71.4	107.2

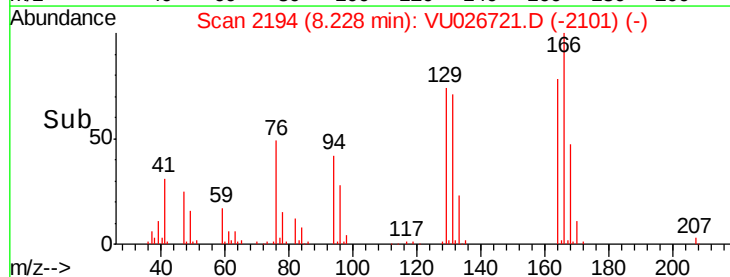
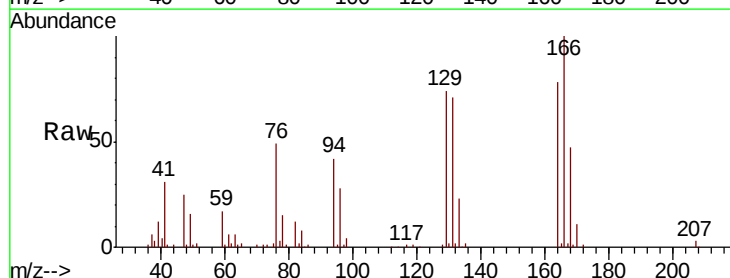
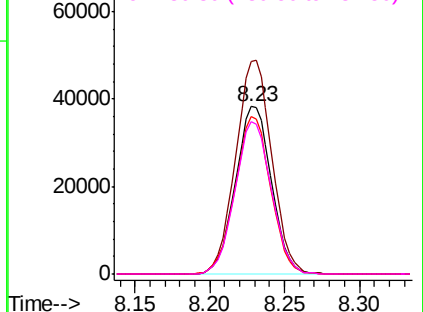
Abundance

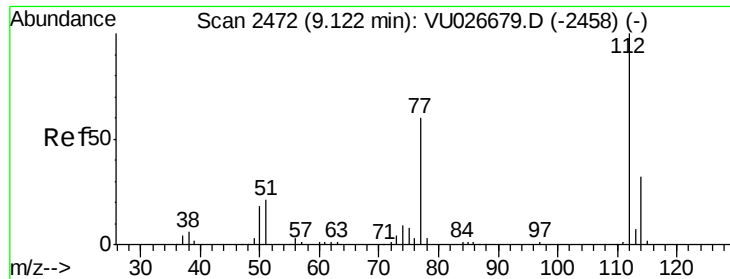
Ion 163.80 (163.50 to 164.50): V

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





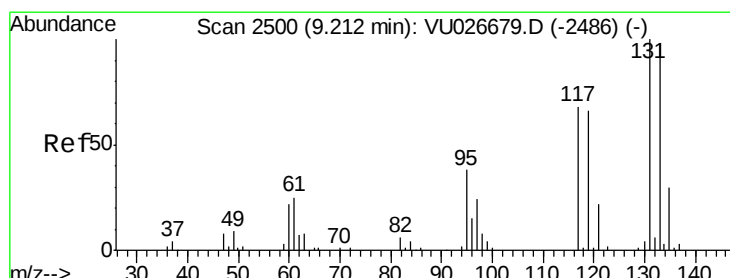
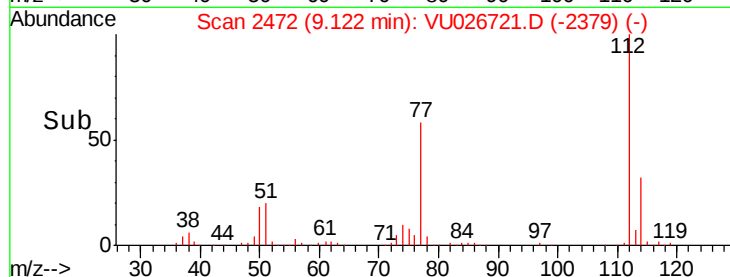
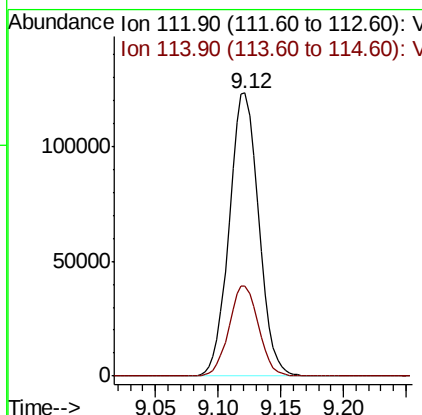
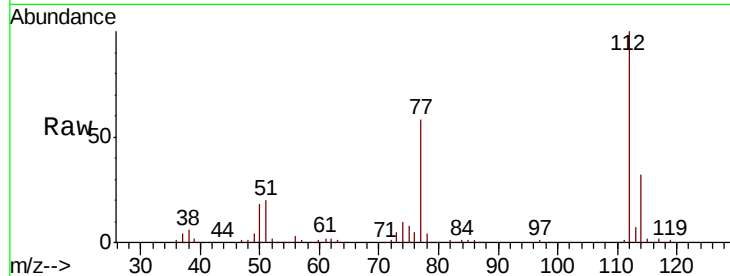
#65
Chlorobenzene
Concen: 49.74 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 201587
Ion Ratio Lower Upper
112 100
114 31.9 25.5 38.3

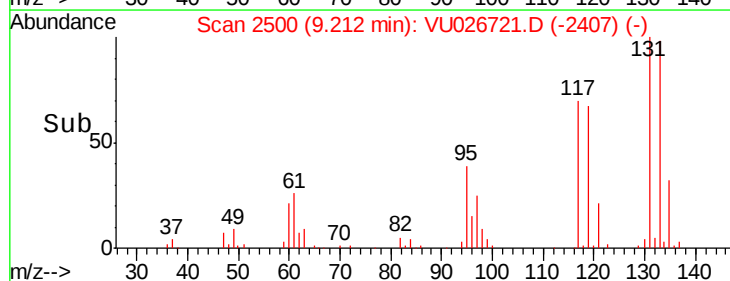
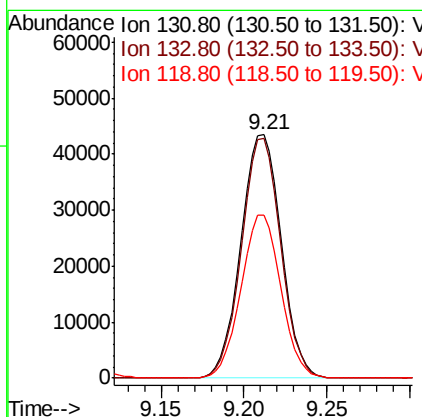
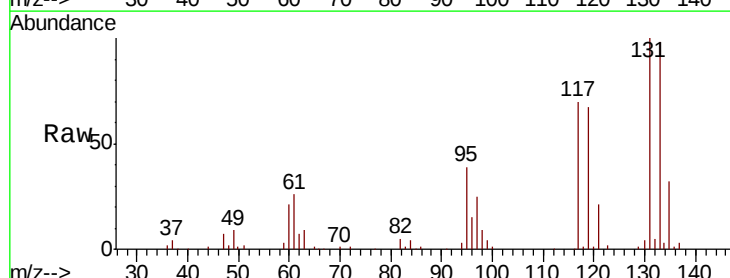
Manual Integrations
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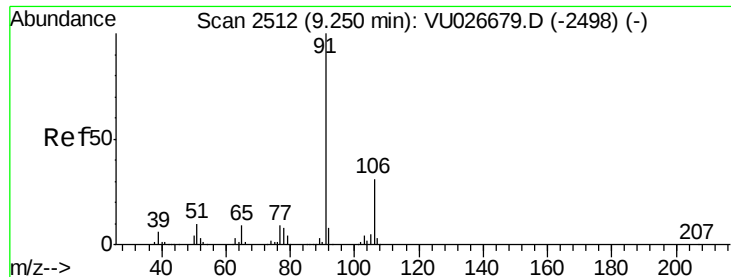
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.51 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion:131 Resp: 73833
Ion Ratio Lower Upper
131 100
133 95.7 48.9 146.6
119 66.1 32.7 98.1





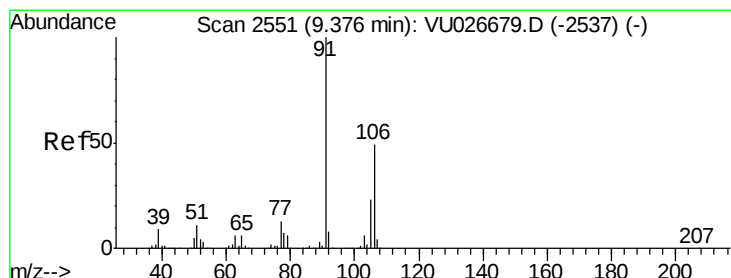
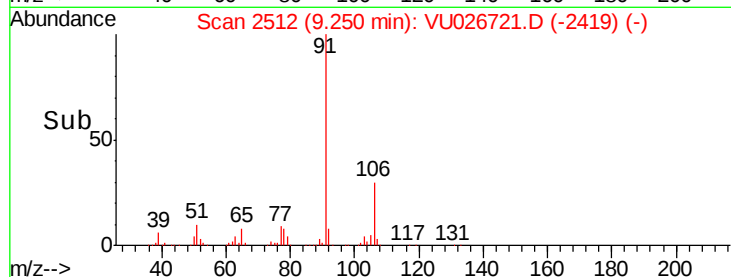
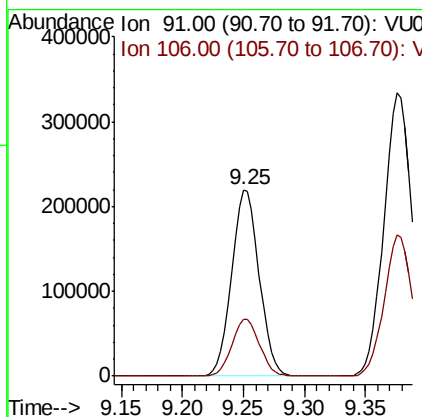
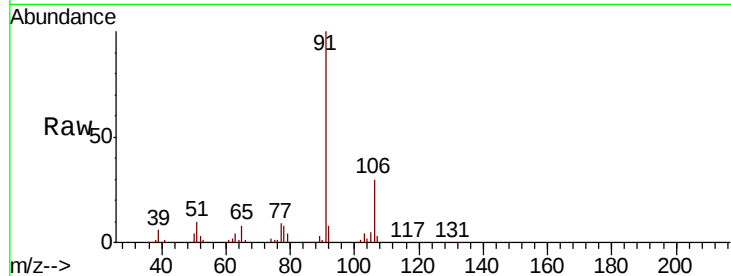
#67
Ethyl Benzene
Concen: 51.75 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
106	30.5	25.0	37.4		

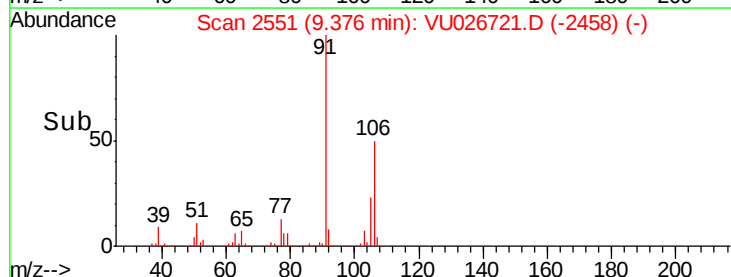
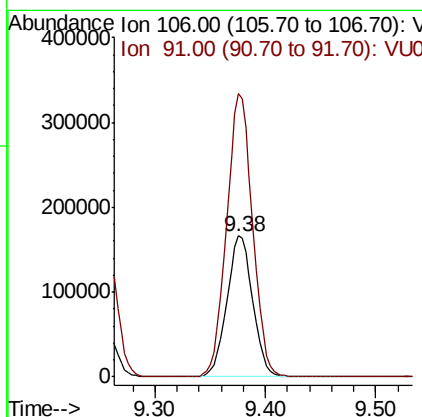
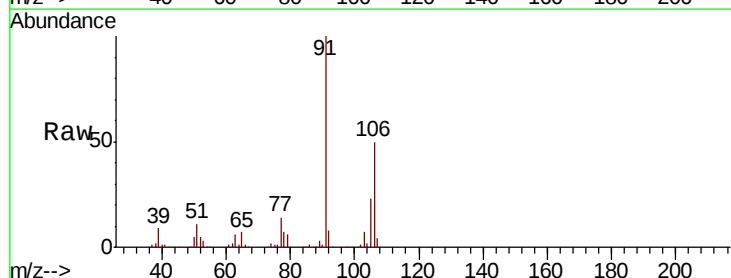
Manual Integrations
APPROVED

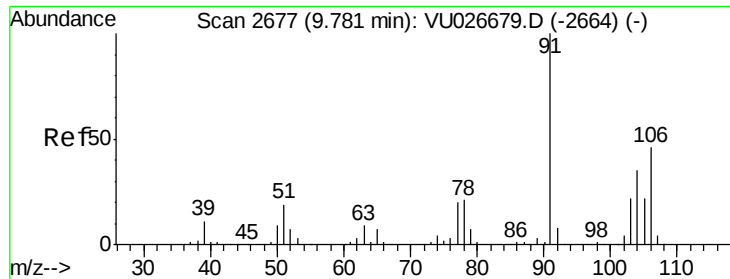
MMDadoda
9/17/2018 11:34:56 AM



#68
m/p-Xylenes
Concen: 105.97 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	201.5	162.1	243.1		





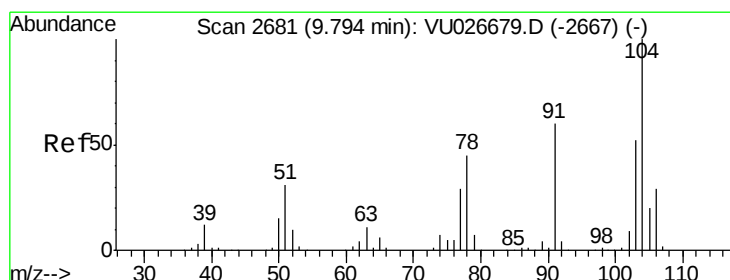
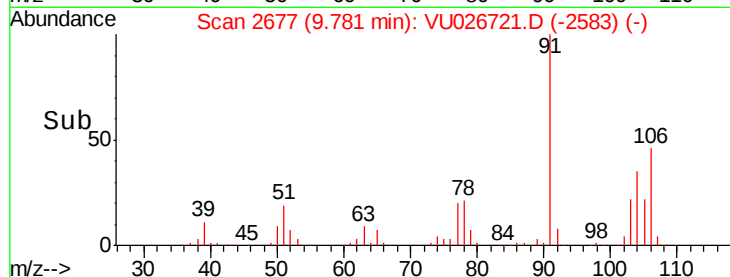
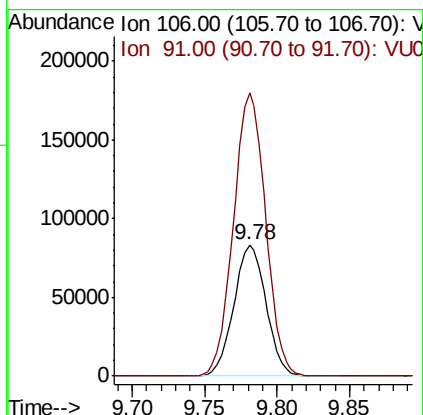
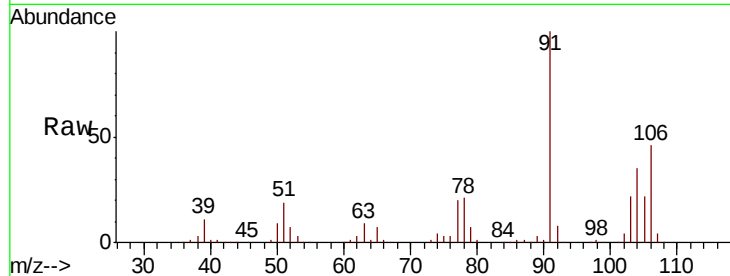
#69
o-Xylene
Concen: 47.44 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		128550		
91	215.7	106.9	320.8		

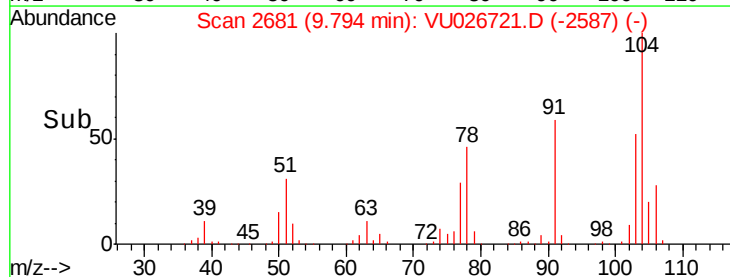
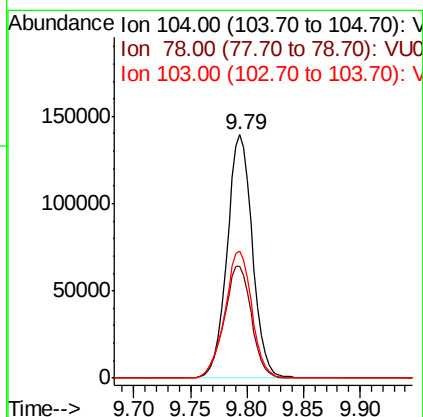
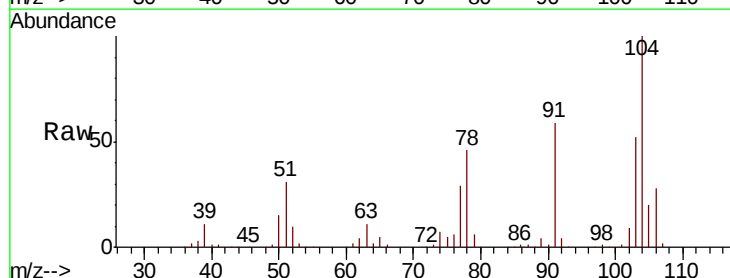
Manual Integrations
APPROVED

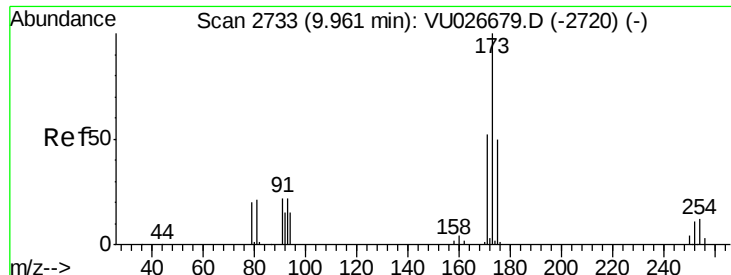
MMDadoda
9/17/2018 11:34:56 AM



#70
Styrene
Concen: 47.46 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		216475		
78	50.0	39.4	59.2		
103	55.6	44.5	66.7		





#71

Bromoform

Concen: 52.01 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 67455

Ion Ratio Lower Upper

173 100

175 48.7 24.7 74.1

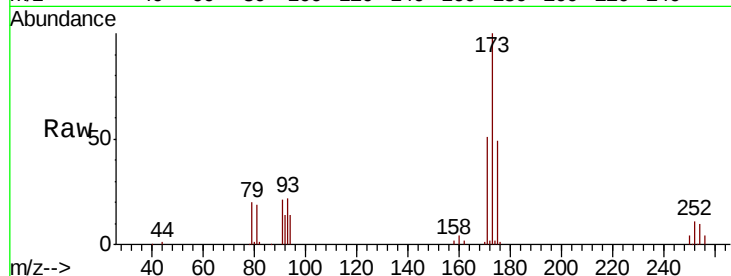
254 0.0 0.0 0.0

Manual Integrations

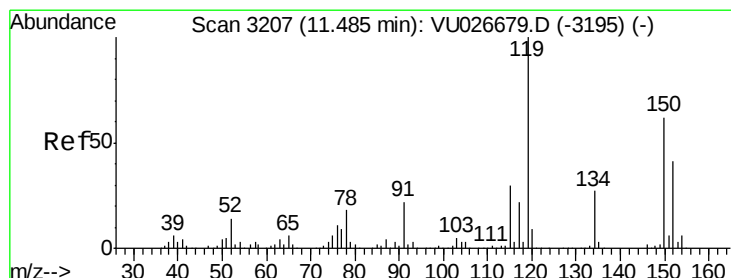
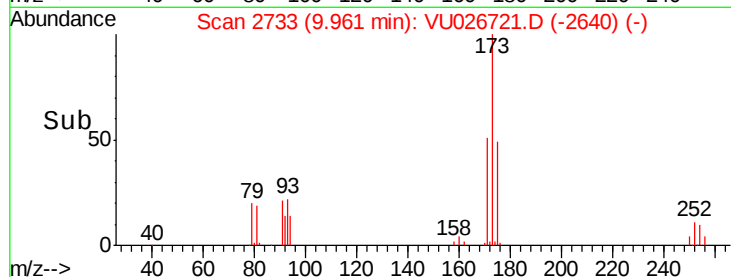
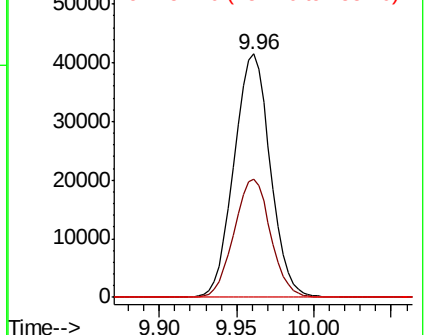
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

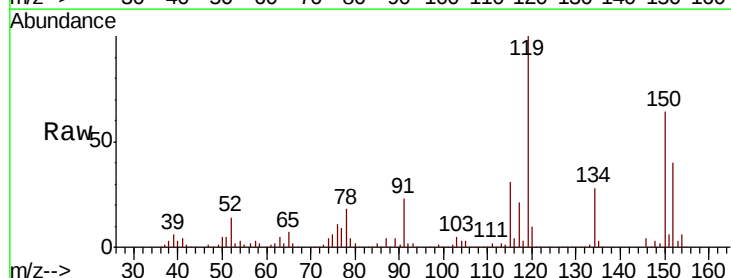
Tgt Ion:152 Resp: 98849

Ion Ratio Lower Upper

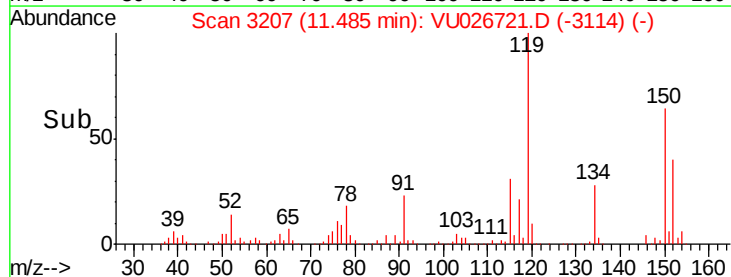
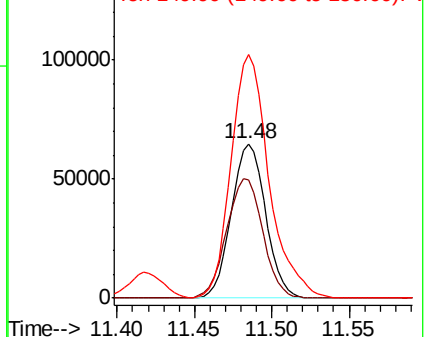
152 100

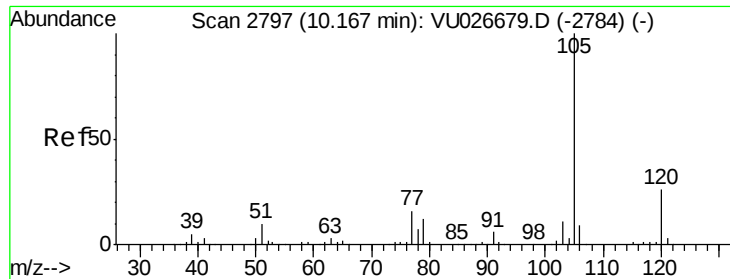
115 82.5 40.4 121.1

150 176.2 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: 51.58 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 347453

Ion Ratio Lower Upper

105 100

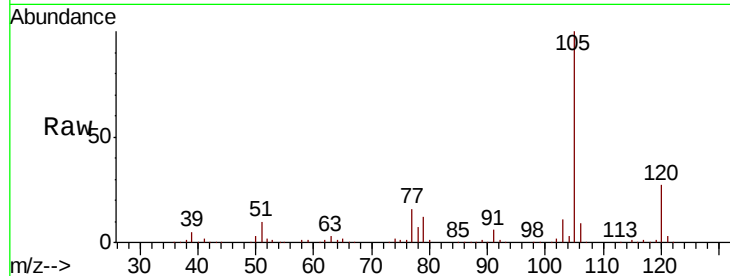
120 27.1 13.3 39.9

Manual Integrations

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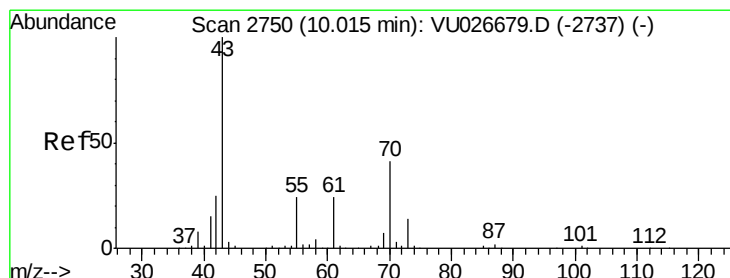
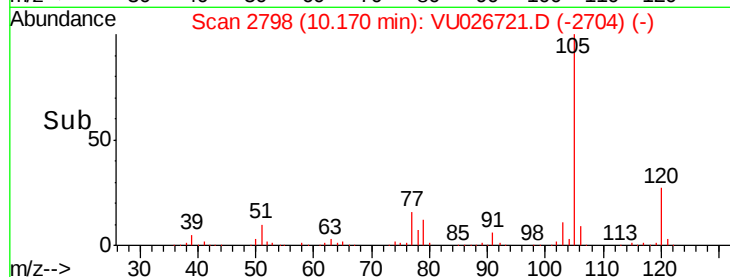
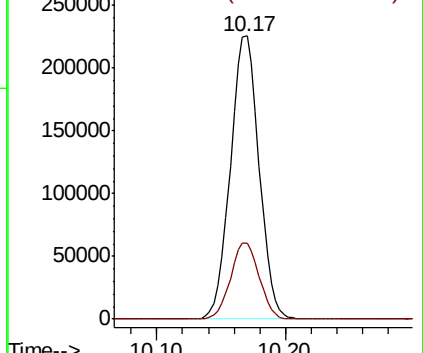
MMDadoda

9/17/2018 11:34:56 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.67 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Tgt Ion: 43 Resp: 164308

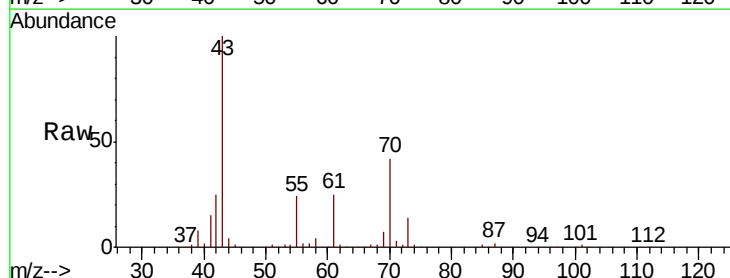
Ion Ratio Lower Upper

43 100

70 40.9 32.6 48.8

55 24.1 19.1 28.7

61 24.3 19.4 29.0

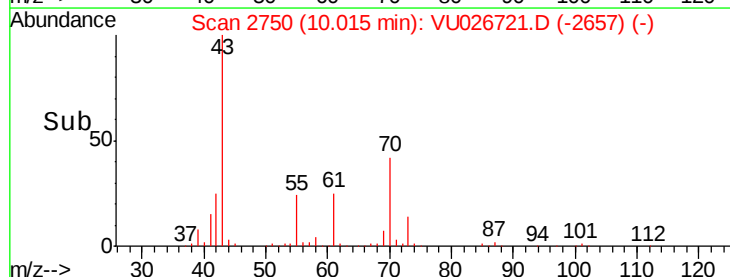
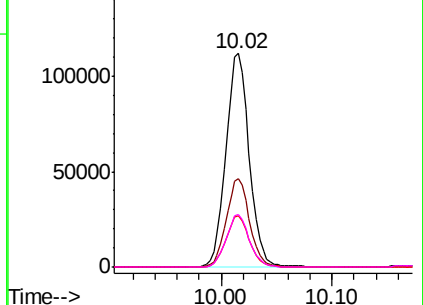


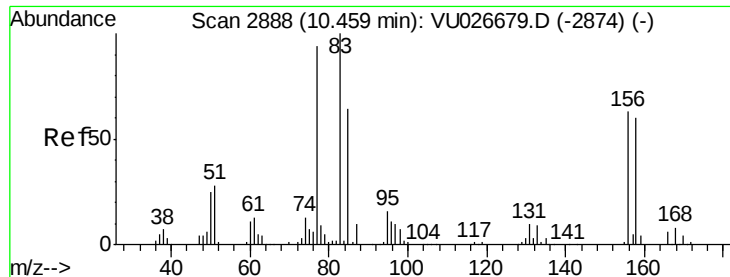
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.71 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

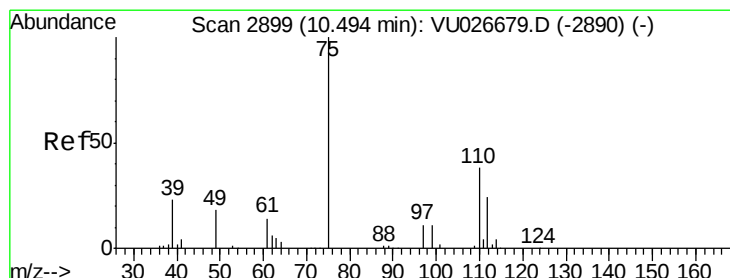
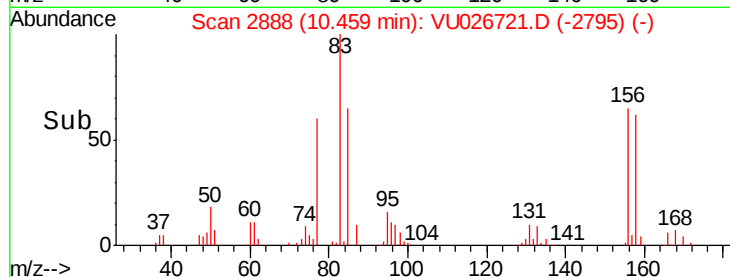
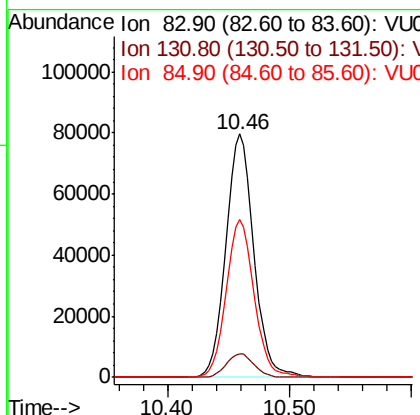
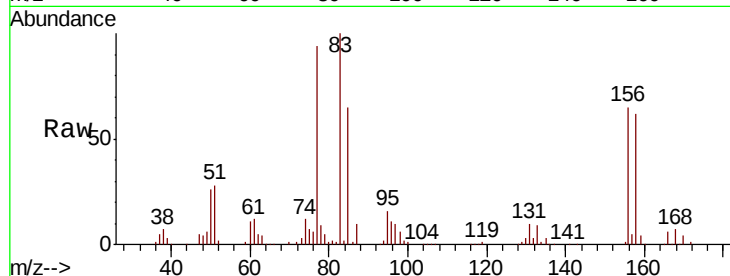
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	128231
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.6
85	64.9	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.76 ug/l m

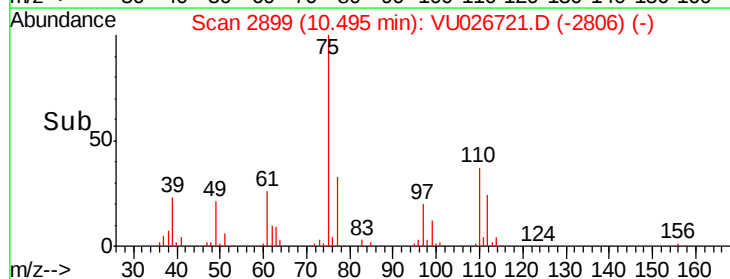
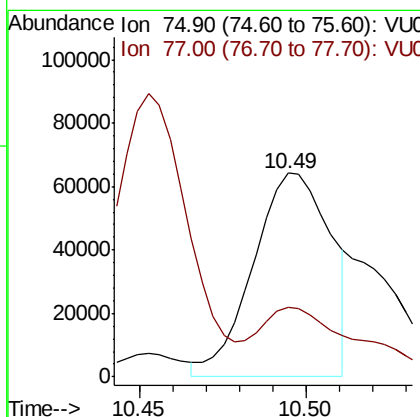
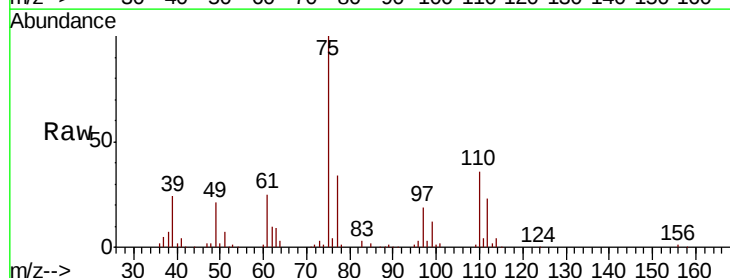
RT: 10.49 min Scan# 2899

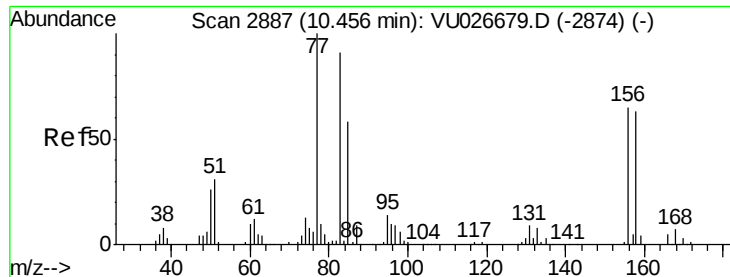
Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Tgt Ion:	75	Resp:	103541
Ion Ratio	Lower	Upper	
75	100		
77	43.1	21.1	63.1





#77

Bromobenzene

Concen: 49.67 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 90928

Ion Ratio Lower Upper

156 100

77 153.0 77.6 232.9

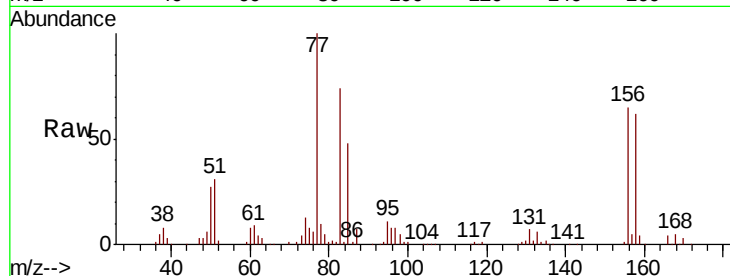
158 96.1 48.9 146.6

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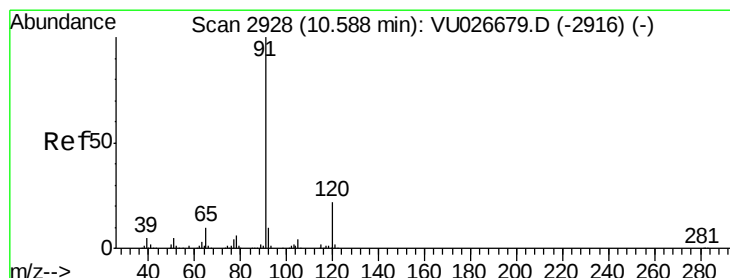
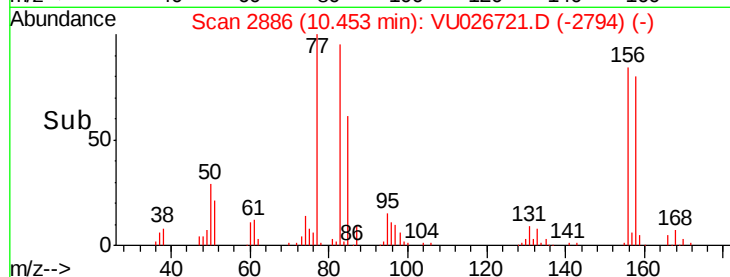
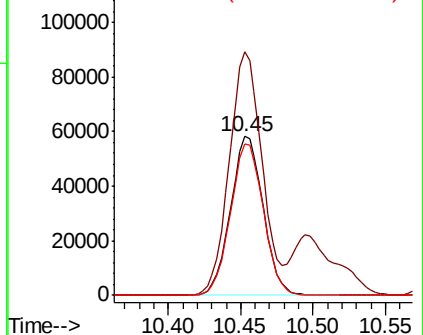
9/17/2018 11:34:56 AM



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: 53.93 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU026721.D

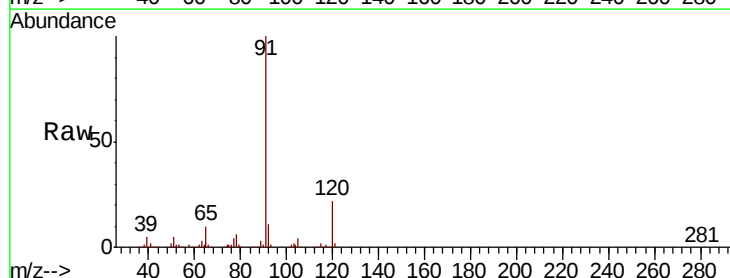
Acq: 13 Sep 2018 08:41

Tgt Ion: 91 Resp: 422488

Ion Ratio Lower Upper

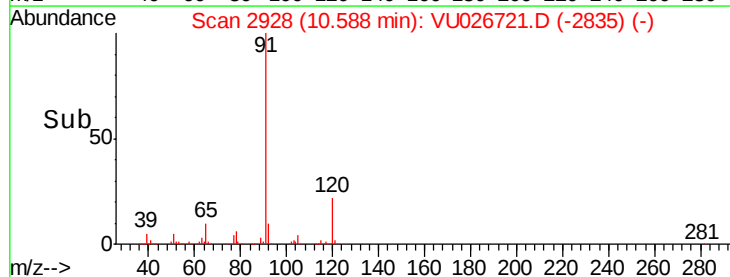
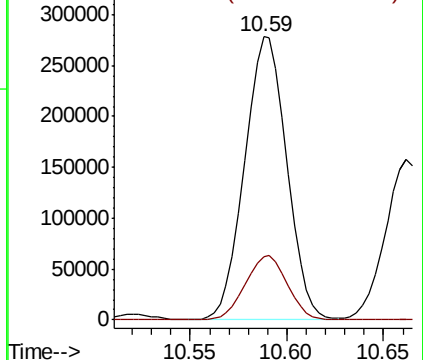
91 100

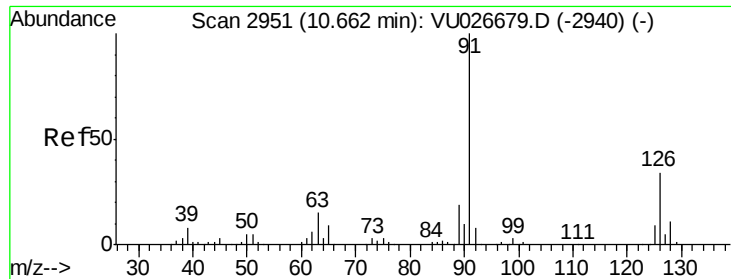
120 22.6 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





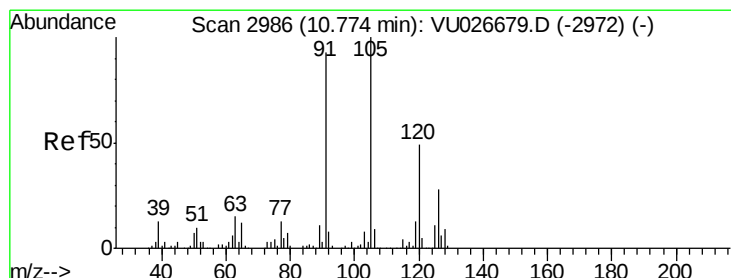
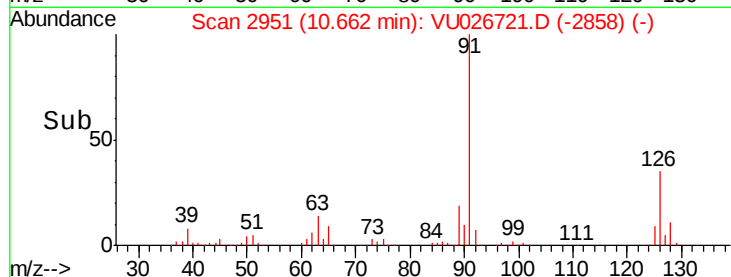
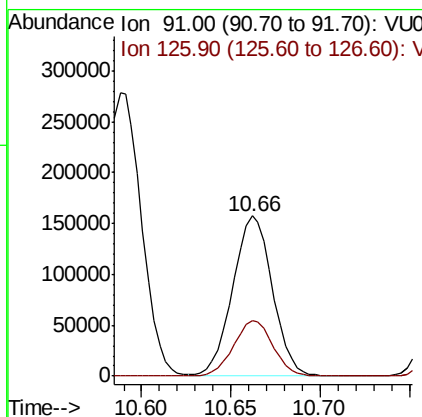
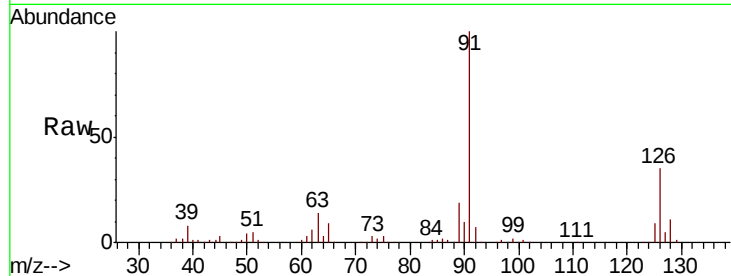
#79
2-Chlorotoluene
Concen: 50.23 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 243960
Ion Ratio Lower Upper
91 100
126 34.6 17.3 51.7

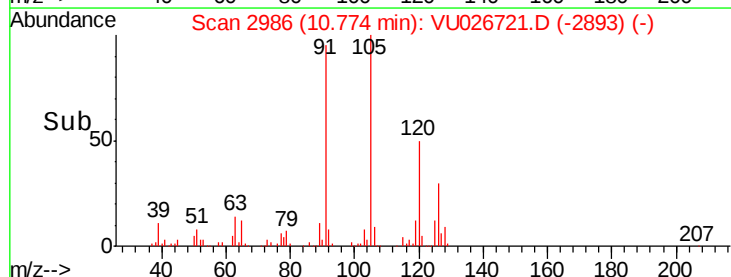
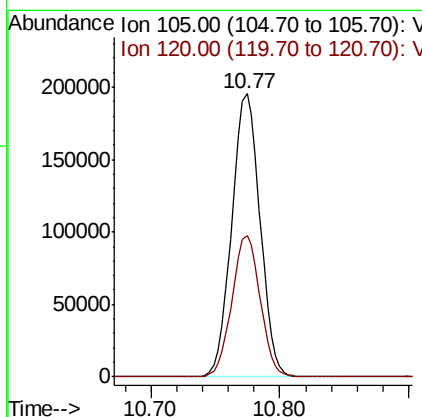
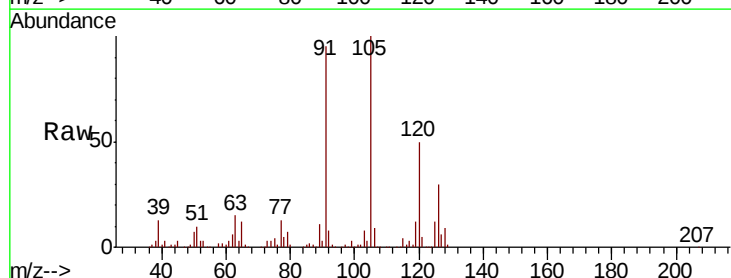
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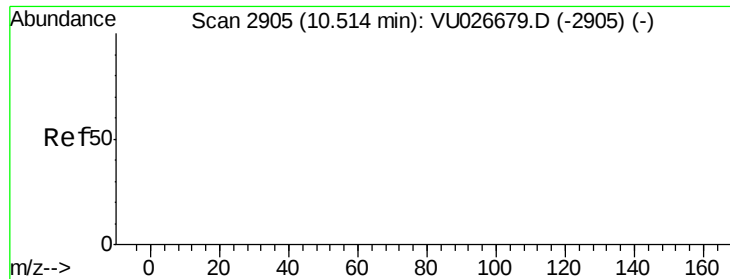
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#80
1,3,5-Trimethylbenzene
Concen: 52.54 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion: 105 Resp: 297485
Ion Ratio Lower Upper
105 100
120 49.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.86 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. -0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 42227

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

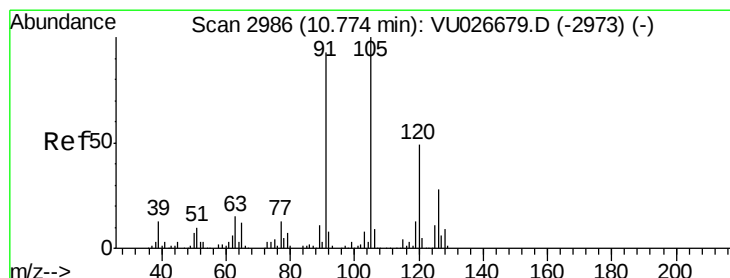
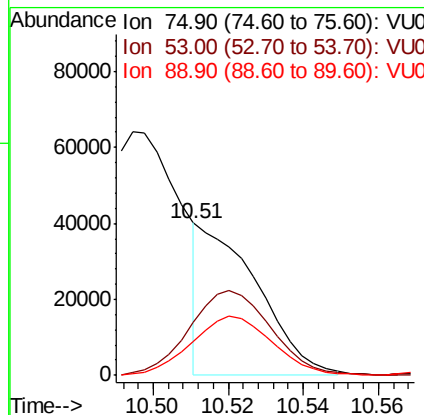
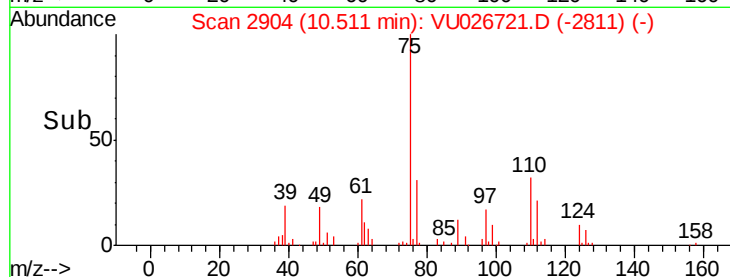
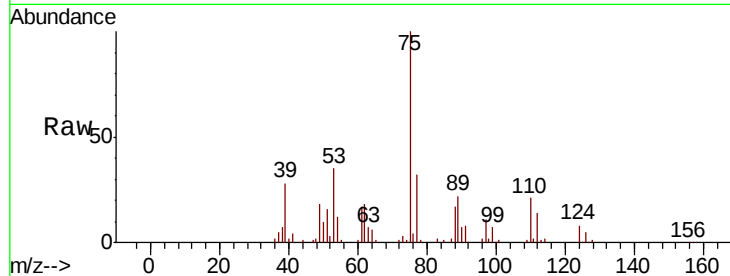
89 0.0 0.0 0.0

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#82

4-Chlorotoluene

Concen: 51.86 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026721.D

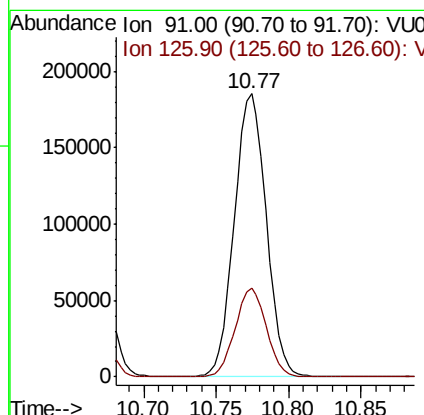
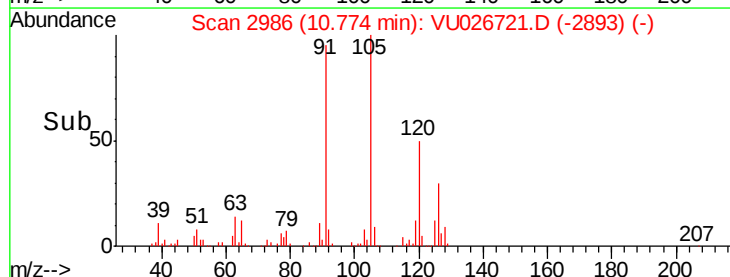
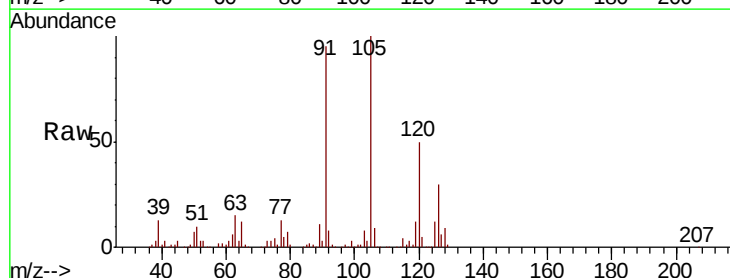
Acq: 13 Sep 2018 08:41

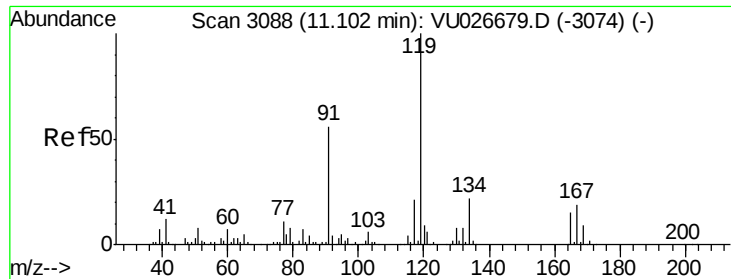
Tgt Ion: 91 Resp: 282991

Ion Ratio Lower Upper

91 100

126 30.8 15.2 45.5





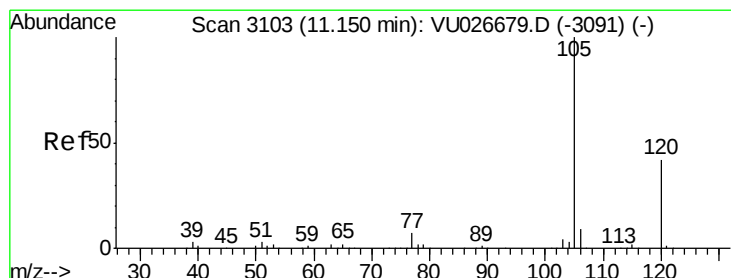
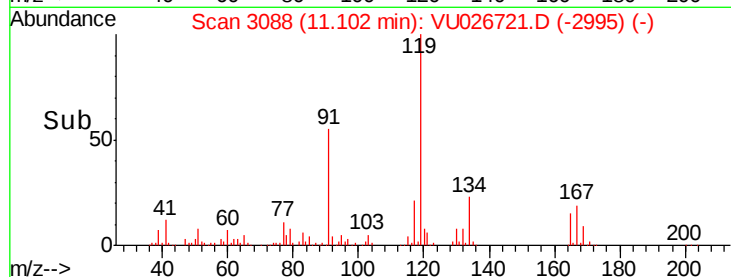
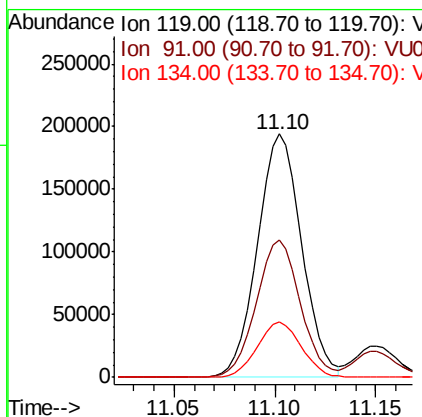
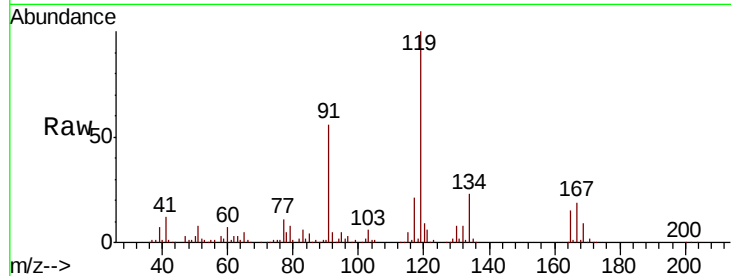
#83
tert-Butylbenzene
Concen: 51.64 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	296694		
91	56.4	28.3	85.0	
134	22.6	11.2	33.5	

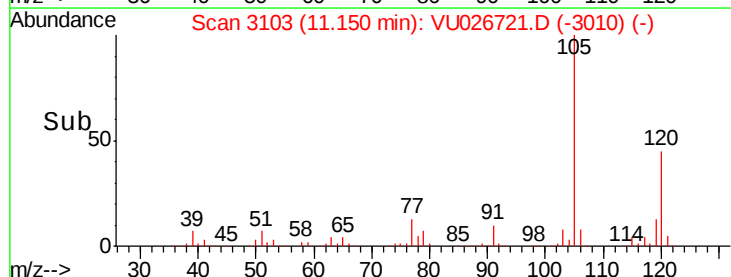
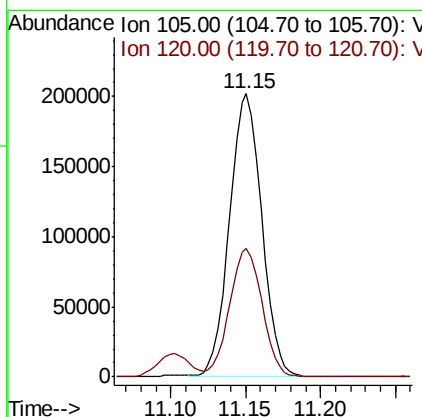
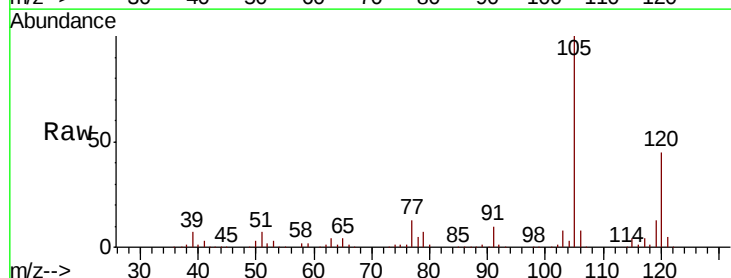
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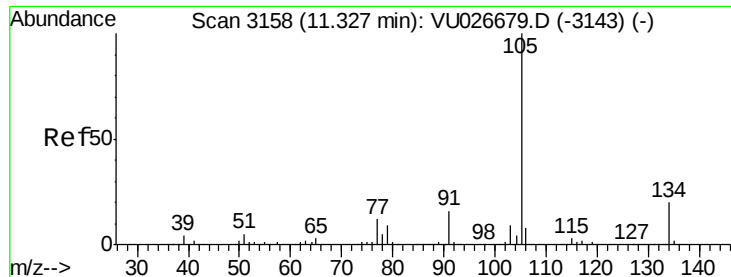
MMDadoda
9/17/2018 11:34:56 AM



#84
1,2,4-Trimethylbenzene
Concen: 53.19 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	303764		
120	45.7	23.3	69.8	





#85

sec-Butylbenzene

Concen: 53.58 ug/l

RT: 11.33 min Scan# 3158

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 365627

Ion Ratio Lower Upper

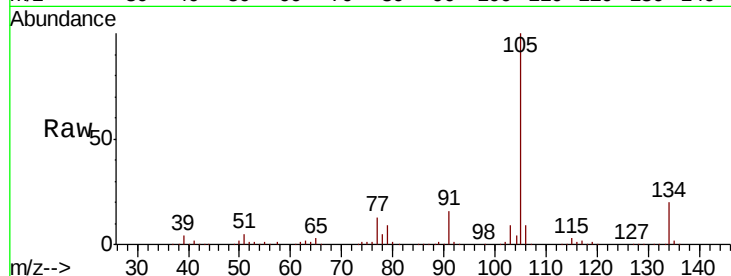
105 100

134 20.2 10.1 30.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

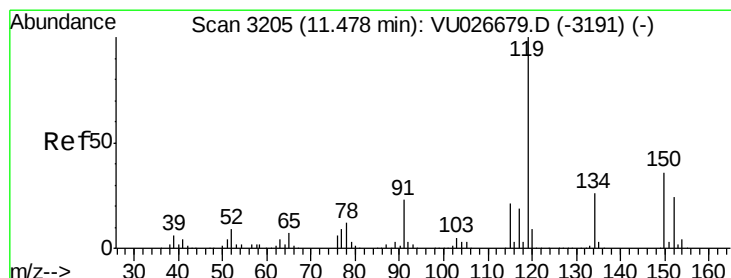
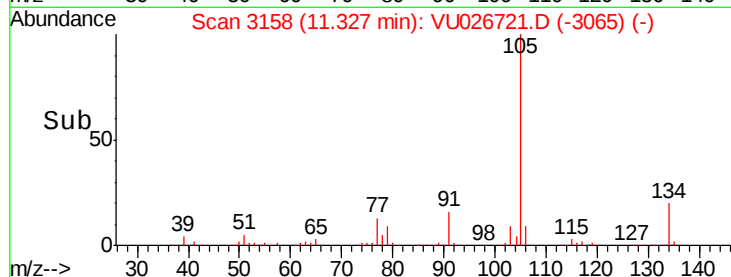
50000

0

11.33

11.40

Time-->



#86

p-Isopropyltoluene

Concen: 49.75 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

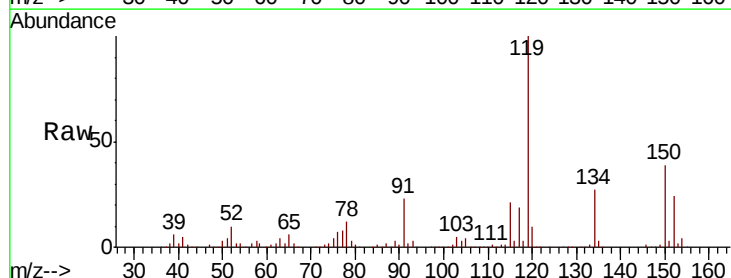
Tgt Ion:119 Resp: 326305

Ion Ratio Lower Upper

119 100

134 26.9 13.2 39.5

91 23.3 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

300000

250000

200000

150000

100000

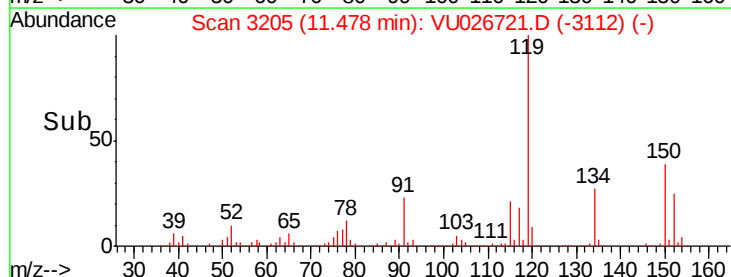
50000

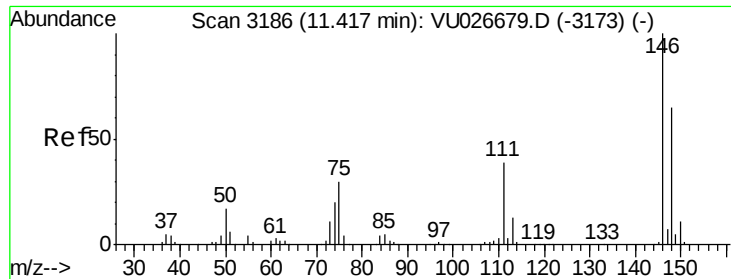
0

11.48

11.55

Time-->





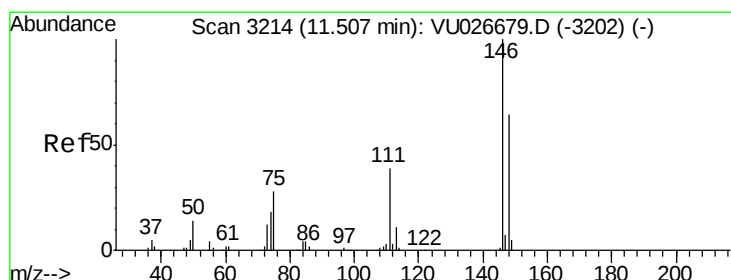
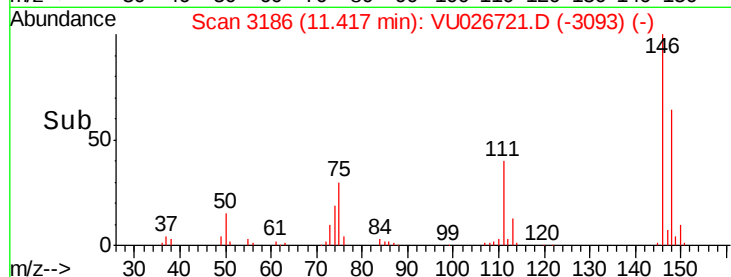
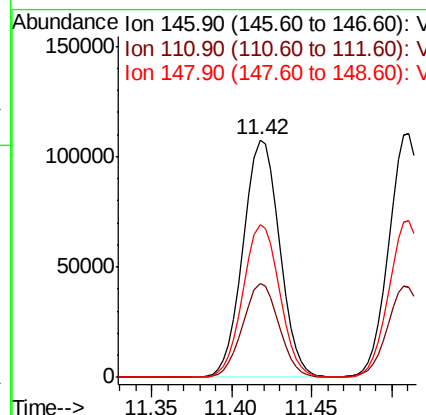
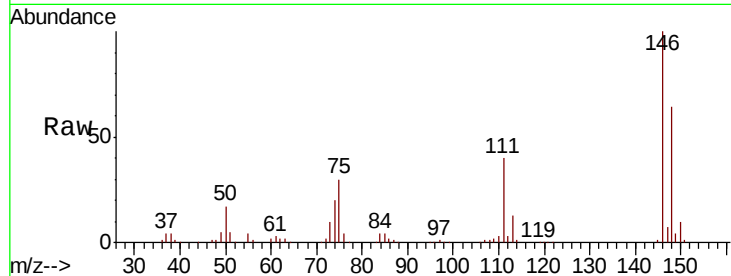
#87
 1,3-Dichlorobenzene
 Concen: 48.96 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.1
148	64.6	32.1	96.3

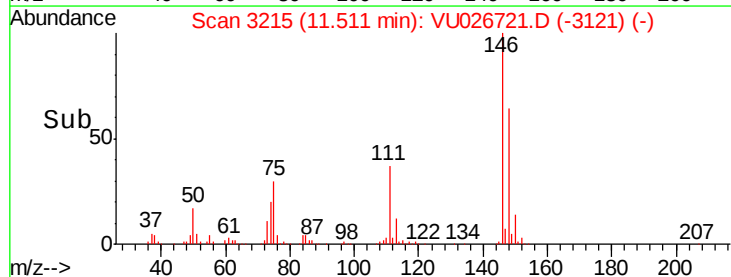
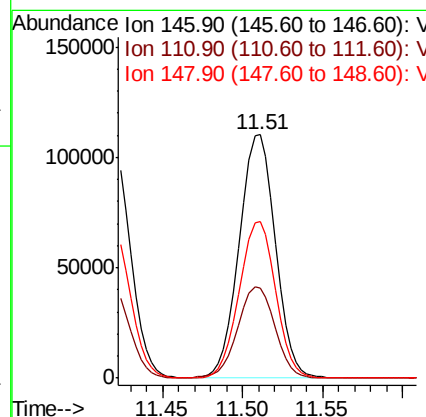
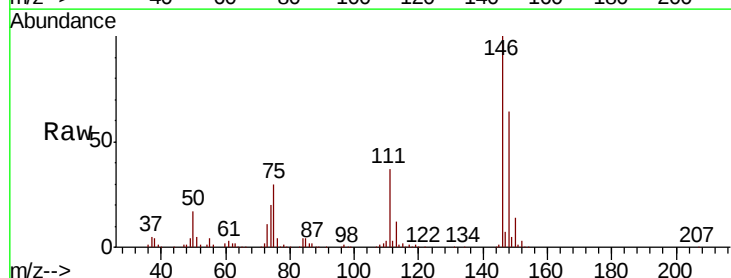
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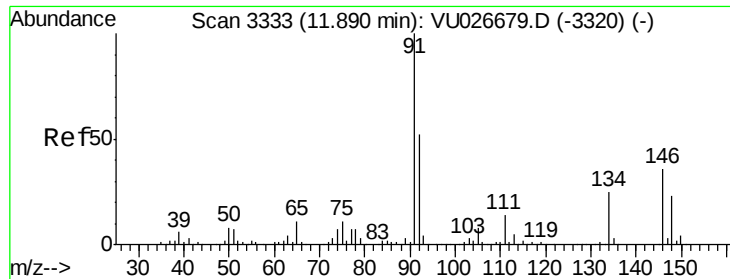
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#88
 1,4-Dichlorobenzene
 Concen: 47.71 ug/l
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.2	57.6
148	64.9	32.1	96.3





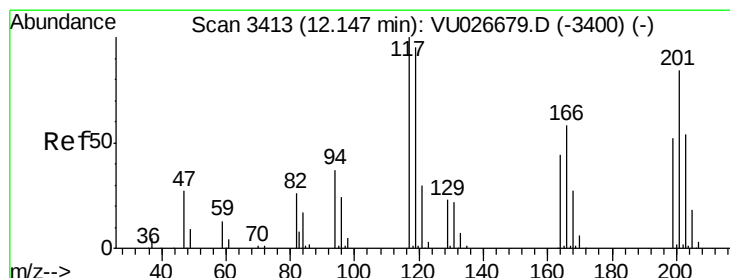
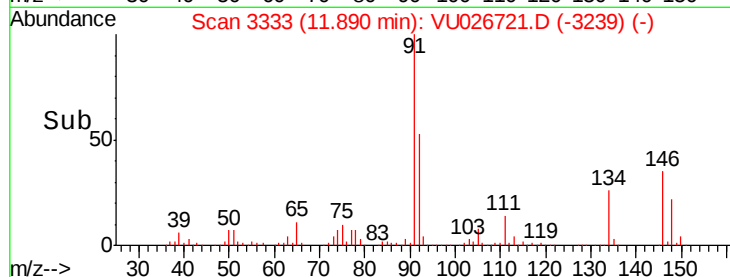
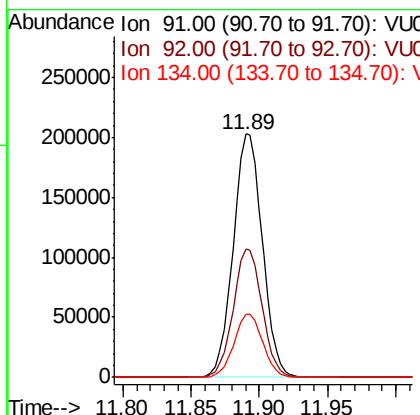
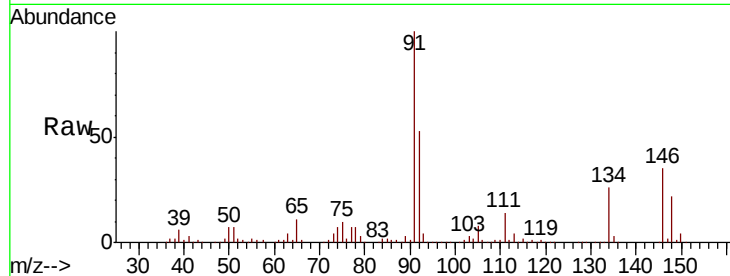
#89
n-Butylbenzene
Concen: 49.95 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	300633		
92	52.1		25.8	77.3
134	25.6		12.6	37.8

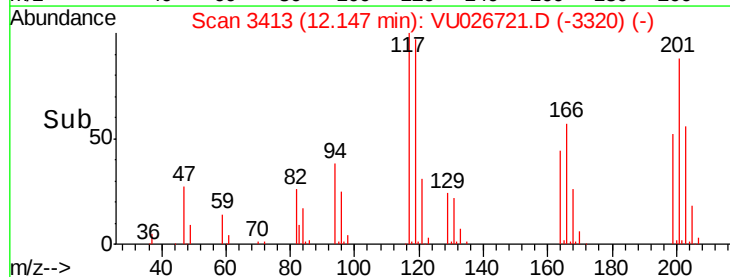
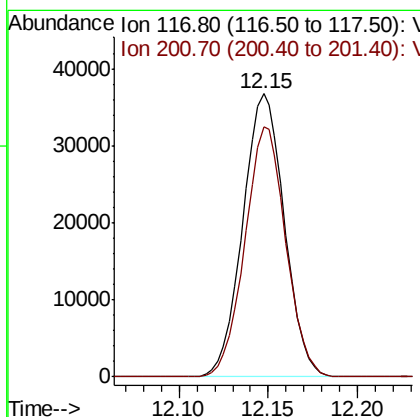
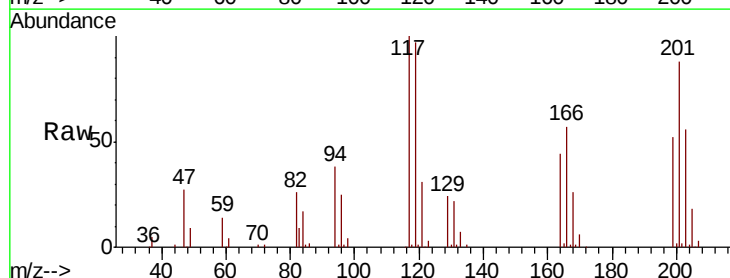
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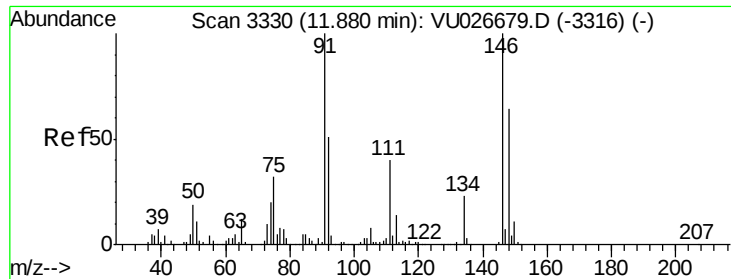
MMDadoda
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#90
Hexachloroethane
Concen: 49.63 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	59759		
201	87.1		42.4	127.1





#91

1,2-Dichlorobenzene

Concen: 48.93 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026721.D

Acq: 13 Sep 2018 08:41

Instrument :

MSVOA_U

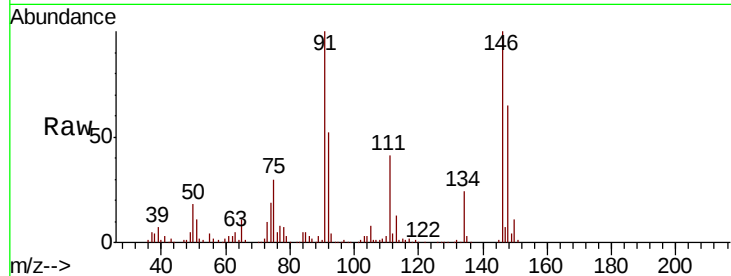
ClientSampleId :

VSTDCCC050

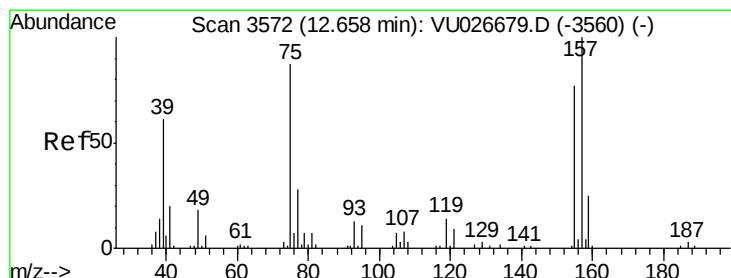
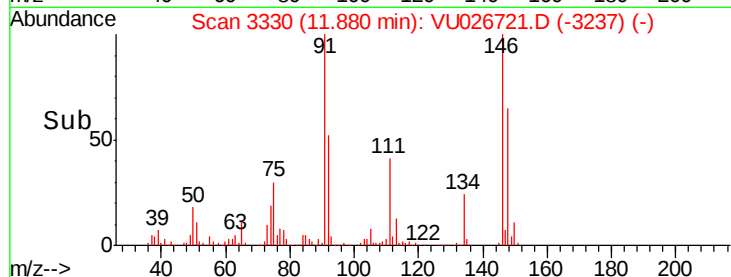
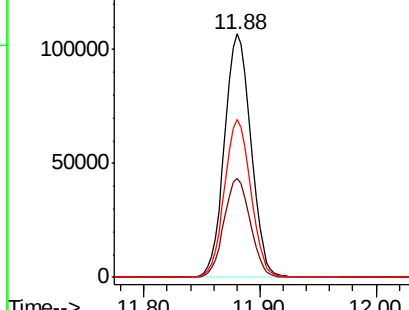
Tot Ion:	146	Resp:	168097
Ion Ratio	Lower	Upper	
146	100		
111	40.5	20.3	60.8
148	64.5	32.1	96.3

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.93 ug/l

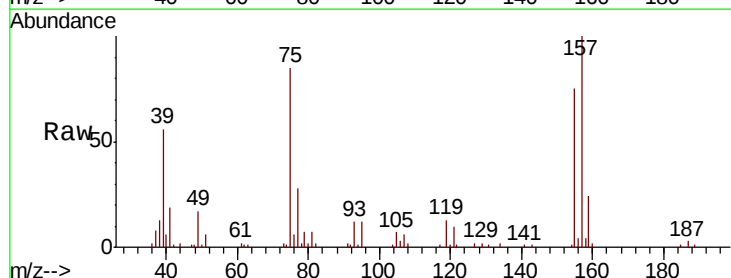
RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

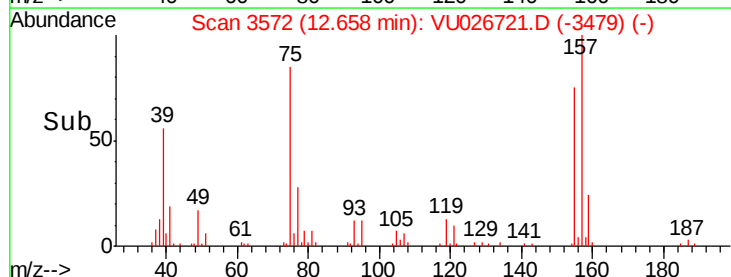
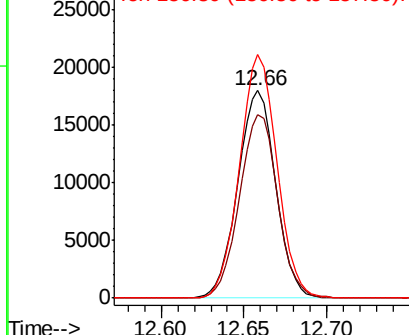
Lab File: VU026721.D

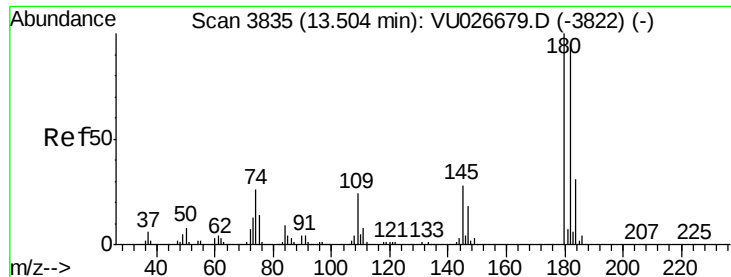
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Tgt Ion:	75	Resp:	28580
Ion Ratio	Lower	Upper	
75	100		
155	88.5	44.1	132.4
157	115.6	57.2	171.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





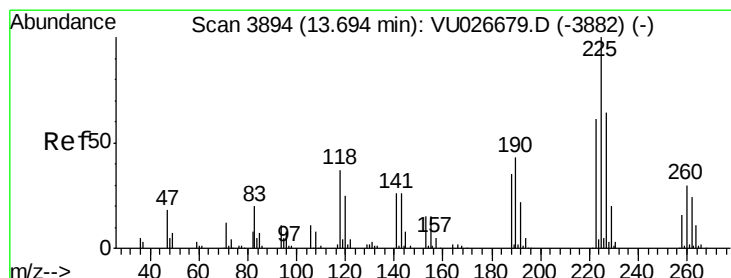
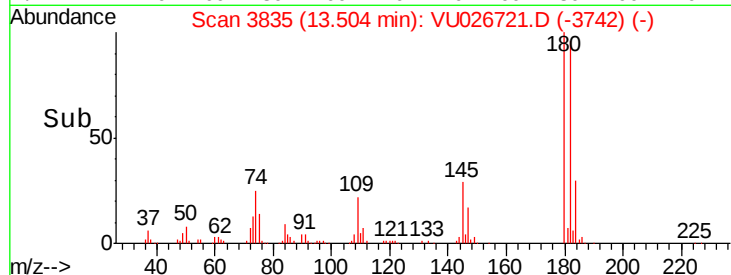
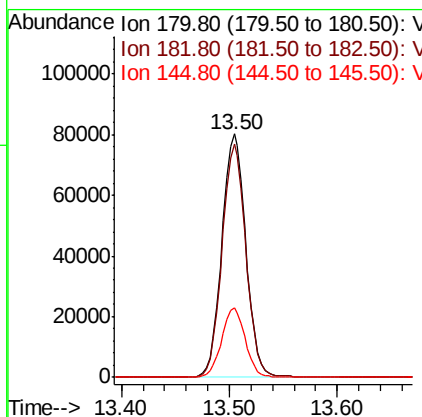
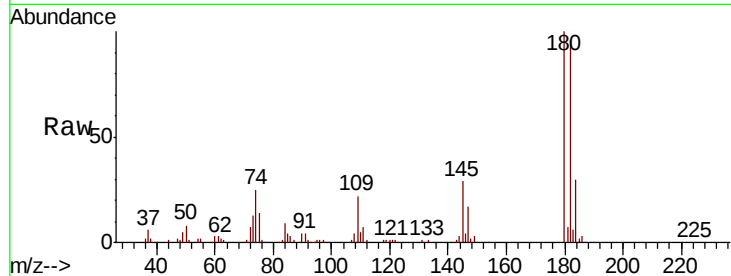
#93
 1,2,4-Trichlorobenzene
 Concen: 54.32 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.7
145	28.2	14.0	42.0

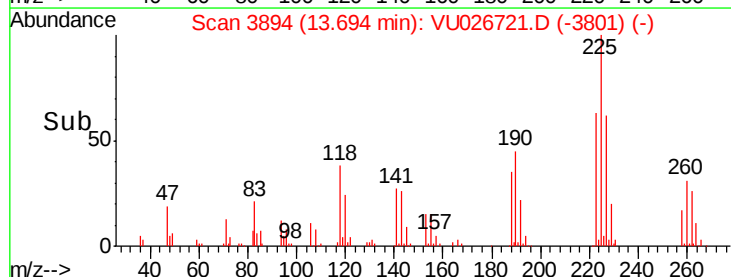
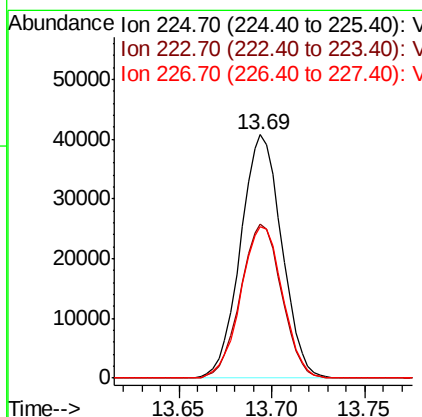
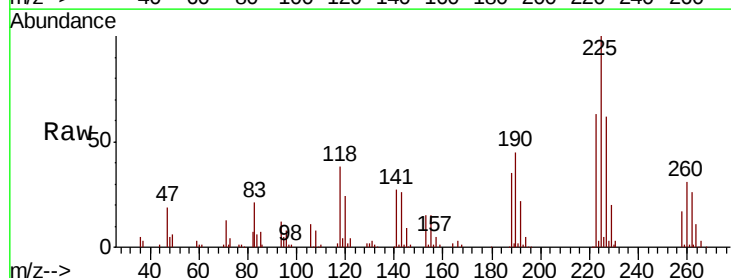
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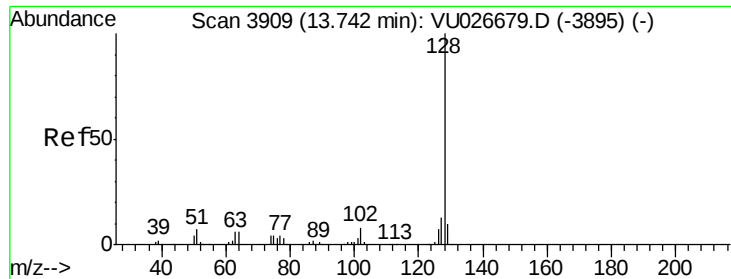
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#94
 Hexachlorobutadiene
 Concen: 53.48 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU026721.D
 Acq: 13 Sep 2018 08:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	30.6	92.0
227	63.0	32.1	96.3





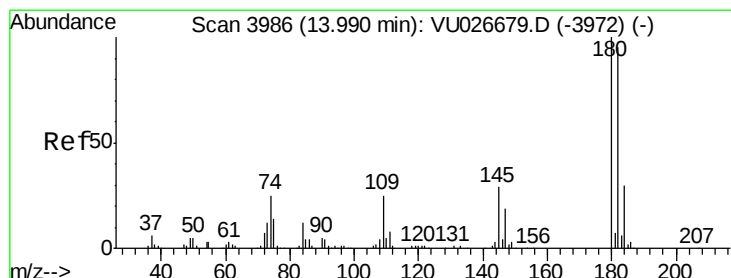
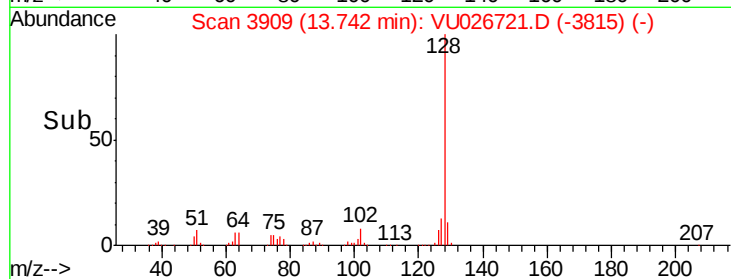
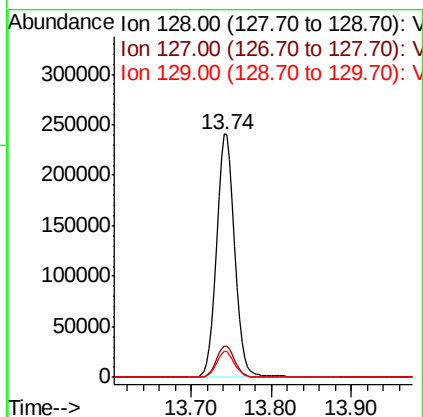
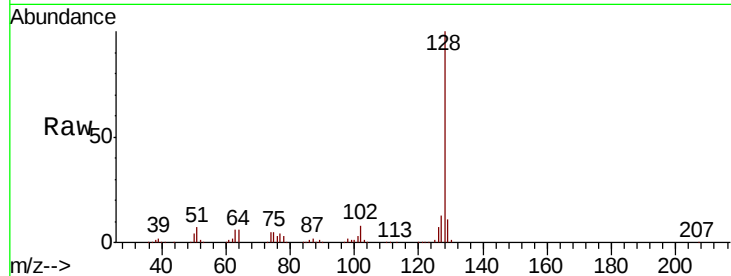
#95
Naphthalene
Concen: 49.56 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.6	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 52.80 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026721.D
Acq: 13 Sep 2018 08:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.9	143.7
145	29.8	14.9	44.9

