

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025767.D
 Acq On : 01 Aug 2018 11:20
 Operator : MD/SY
 Sample : J4251-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 02 03:55:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 16:07:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	186438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	296963	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	290554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	170758	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.32	65	143381	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
35) Dibromofluoromethane	4.89	113	122737	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
50) Toluene-d8	7.57	98	435490	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
62) 4-Bromofluorobenzene	10.31	95	164965	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.11	74	343	0.26	ug/l	52
11) Tert butyl alcohol	2.84	59	879	1.38	ug/l #	73
13) Acrolein	2.20	56	97	Below Cal	#	69
16) Acetone	2.32	43	19737	13.94	ug/l	93
17) Carbon Disulfide	2.48	76	2087	0.32	ug/l #	95
18) Methyl Acetate	2.62	43	3716	1.09	ug/l #	89
20) Methylene Chloride	2.71	84	81659	32.53	ug/l	97
25) 2-Butanone	4.28	43	2832	1.47	ug/l #	81
29) Tetrahydrofuran	4.65	42	1012	0.88	ug/l #	60
30) Chloroform	4.68	83	2886	0.64	ug/l	86
31) Cyclohexane	4.99	56	3610	Below Cal	#	1
38) Carbon Tetrachloride	4.99	117	17872	4.55	ug/l #	17
43) Isopropyl Acetate	5.55	43	96342	16.20	ug/l	99
44) Trichloroethene	6.19	130	629	0.22	ug/l	81
47) Bromodichloromethane	6.77	83	756	0.21	ug/l #	89
48) Methyl methacrylate	6.71	41	9922	3.40	ug/l #	45
51) 4-Methyl-2-Pentanone	7.46	43	2103	0.56	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.13	63	19	7.09	ug/l #	47
59) 2-Hexanone	8.37	43	840	0.29	ug/l	75
68) m/p-Xylenes	9.38	106	2081	0.44	ug/l	97
76) 1,2,3-Trichloropropane	10.31	75	83701	22.25	ug/l #	36
78) n-propylbenzene	10.59	91	3556	0.26	ug/l	96
80) 1,3,5-Trimethylbenzene	10.78	105	2180	0.22	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.31	75	83701	55.78	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	3095	0.31	ug/l	87
85) sec-Butylbenzene	11.33	105	2525	0.21	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	1256	0.21	ug/l	82
88) 1,4-Dichlorobenzene	11.42	146	1256	0.20	ug/l	83
89) n-Butylbenzene	11.89	91	3420	0.34	ug/l #	87
90) Hexachloroethane	12.26	117	558	0.29	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.51	180	2024	0.51	ug/l #	85
94) Hexachlorobutadiene	13.70	225	669	0.32	ug/l	81
95) Naphthalene	13.75	128	109935	9.70	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	1921	0.49	ug/l	91

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QLast Update : Tue Jul 31 16:07:47 2018
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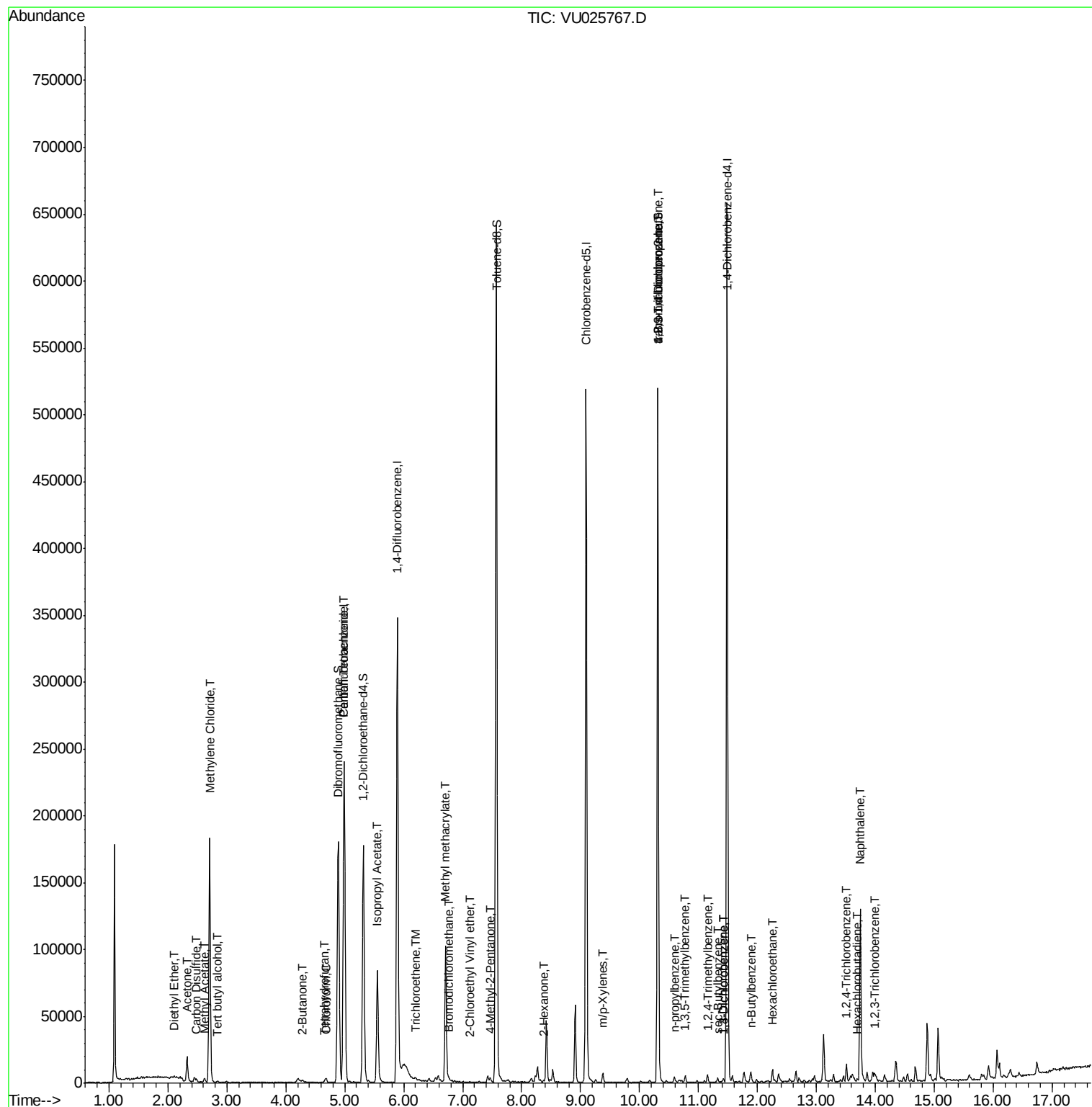
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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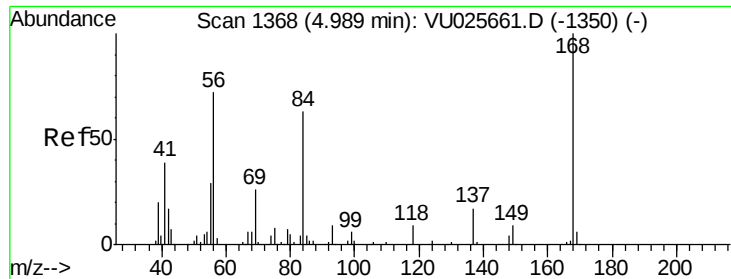
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025767.D

Acq: 01 Aug 2018 11:20

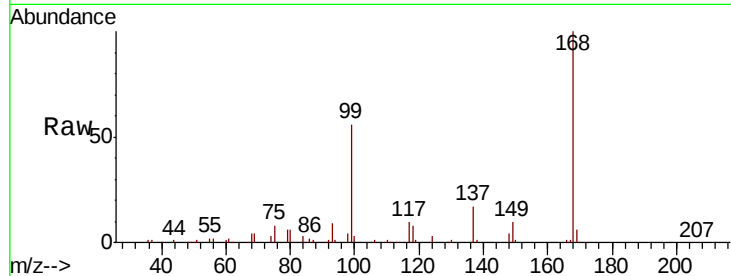
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 186438

Ion Ratio Lower Upper

168 100

99 56.3 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)

4.99

80000

60000

40000

20000

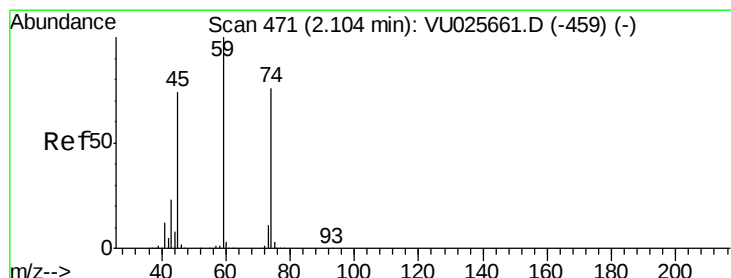
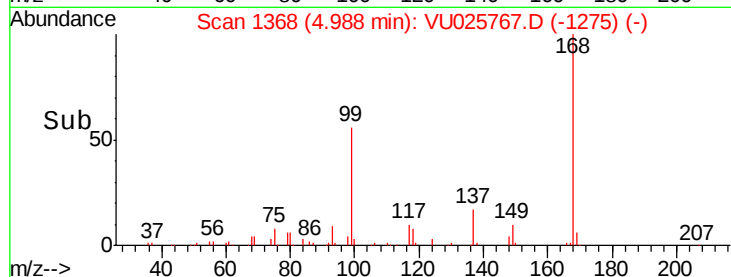
0

4.90

5.00

5.10

Time-->



#8

Diethyl Ether

Concen: 0.26 ug/l

RT: 2.11 min Scan# 472

Delta R.T. 0.00 min

Lab File: VU025767.D

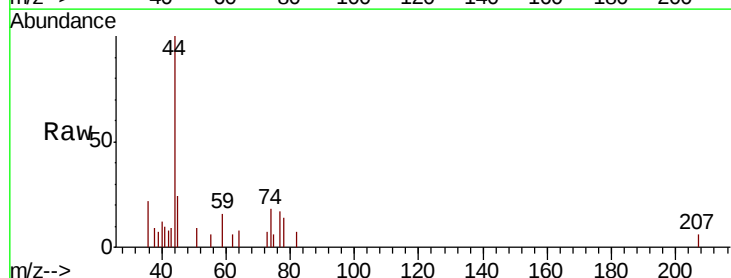
Acq: 01 Aug 2018 11:20

Tgt Ion: 74 Resp: 343

Ion Ratio Lower Upper

74 100

45 144.0 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU025661.D (-459) (-)

Ion 45.00 (44.70 to 45.70): VU025661.D (-459) (-)

2.11

500

400

300

200

100

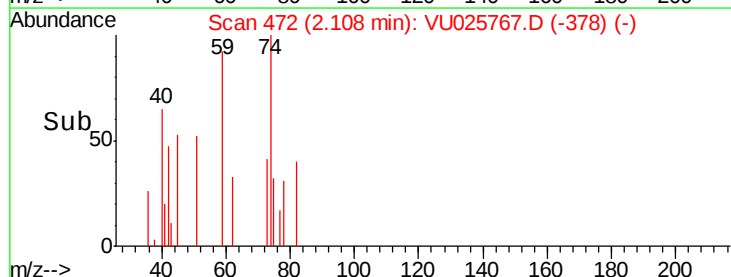
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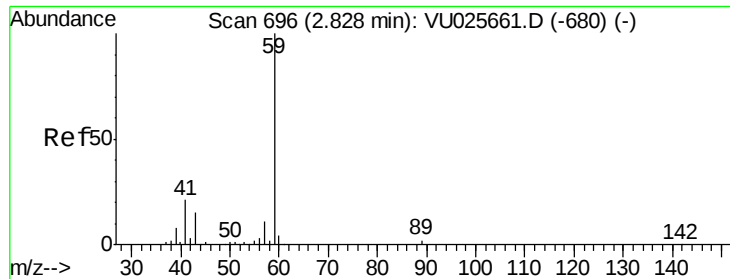
2.08

2.10

2.12

Time-->

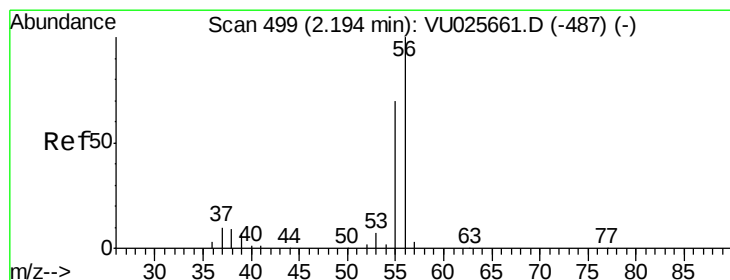
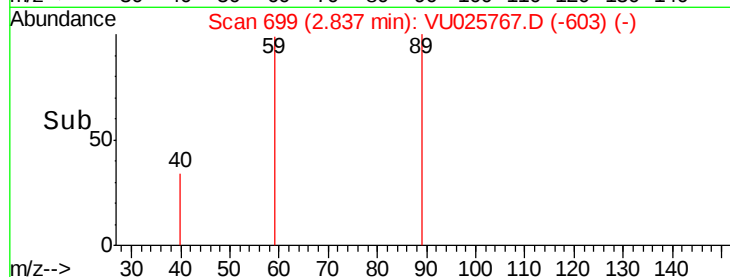
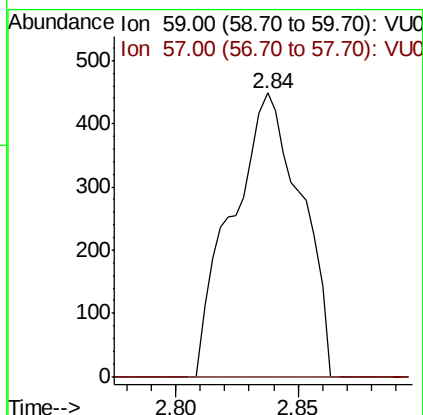
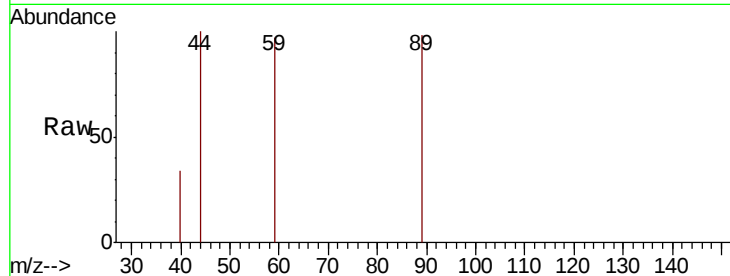




#11
Tert butyl alcohol
Concen: 1.38 ug/l
RT: 2.84 min Scan# 699
Delta R.T. 0.01 min
Lab File: VU025767.D
Acq: 01 Aug 2018 11:20

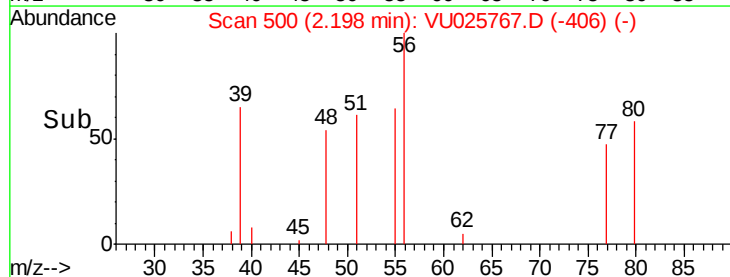
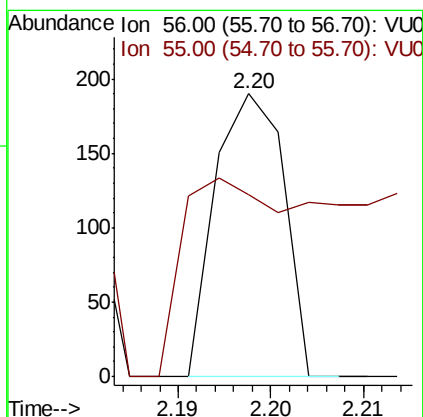
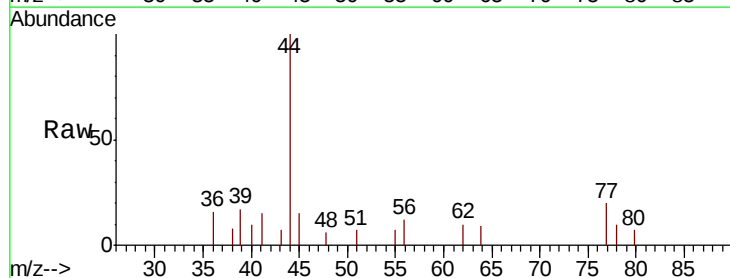
Instrument :
MSVOA_U
ClientSampleId :

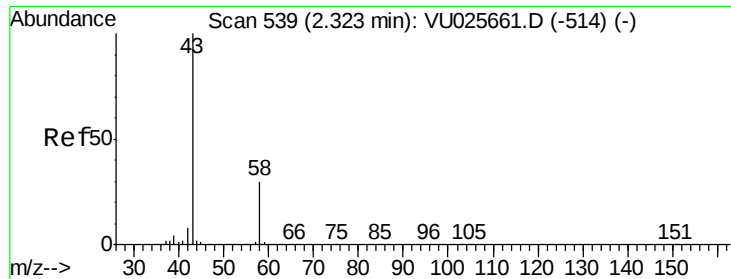
Tot Ion: 59 Resp: 879
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: Below Cal
RT: 2.20 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU025767.D
Acq: 01 Aug 2018 11:20

Tgt Ion: 56 Resp: 97
Ion Ratio Lower Upper
56 100
55 96.9 57.2 85.8#





#16

Acetone

Concen: 13.94 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025767.D

Acq: 01 Aug 2018 11:20

Instrument :

MSVOA_U

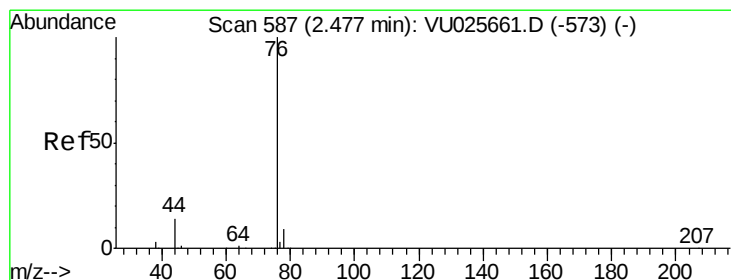
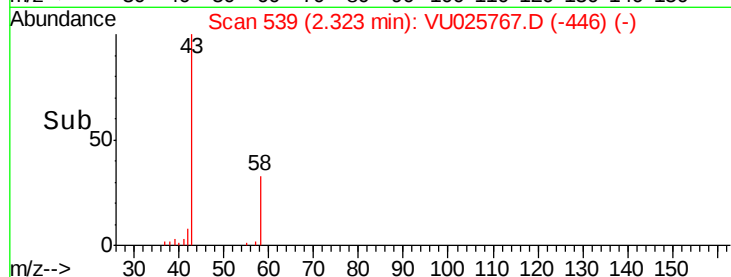
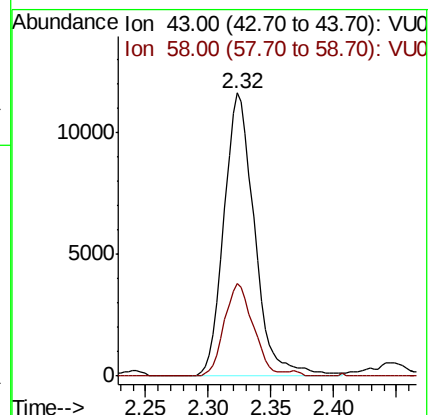
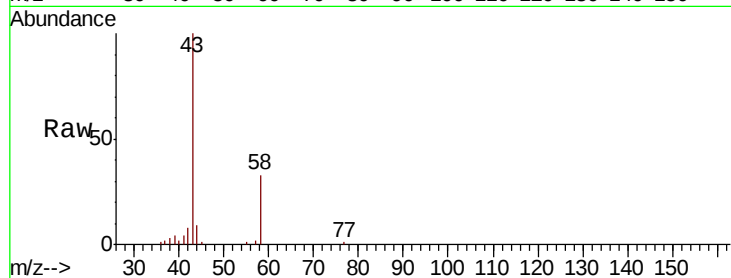
ClientSampled :

Tot Ion: 43 Resp: 19737

Ion Ratio Lower Upper

43 100

58 32.6 23.1 34.7



#17

Carbon Disulfide

Concen: 0.32 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025767.D

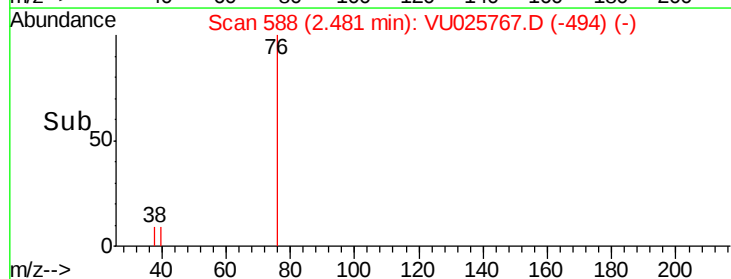
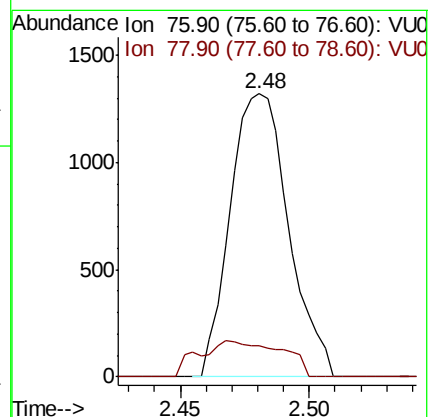
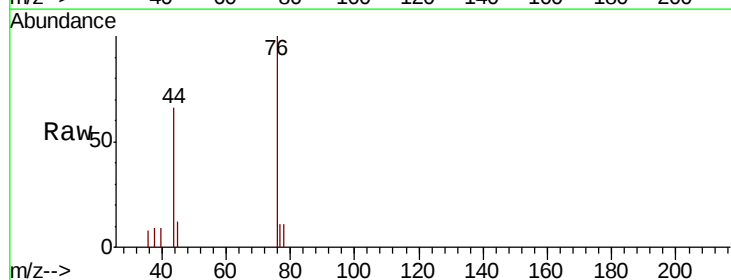
Acq: 01 Aug 2018 11:20

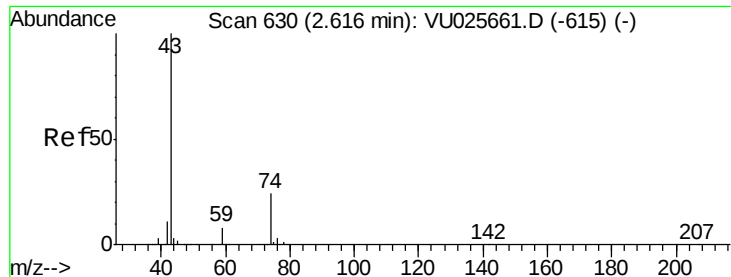
Tgt Ion: 76 Resp: 2087

Ion Ratio Lower Upper

76 100

78 11.2 7.4 11.2#

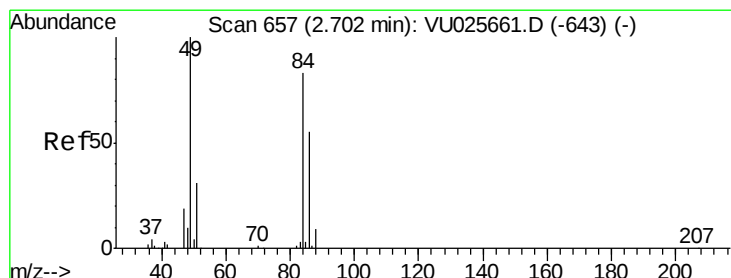
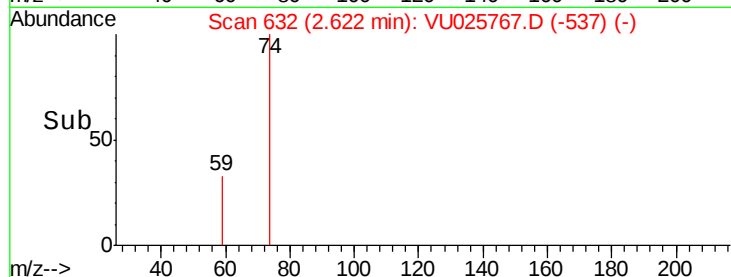
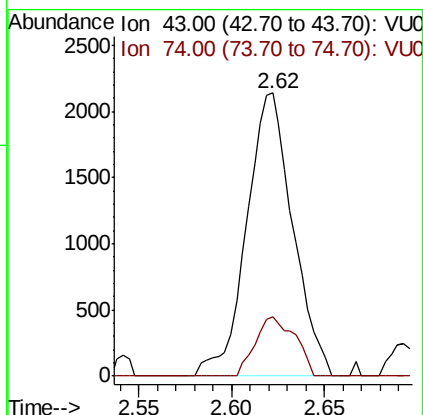
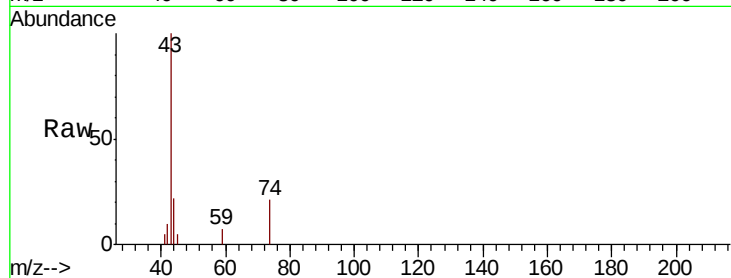




#18
Methyl Acetate
Concen: 1.09 ug/l
RT: 2.62 min Scan# 632
Delta R.T. 0.01 min
Lab File: VU025767.D
Acq: 01 Aug 2018 11:20

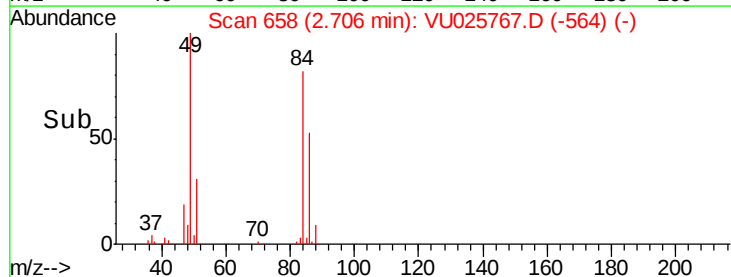
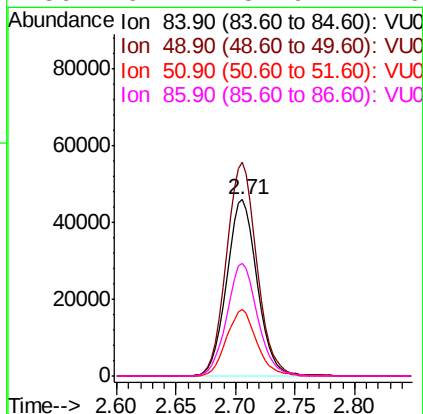
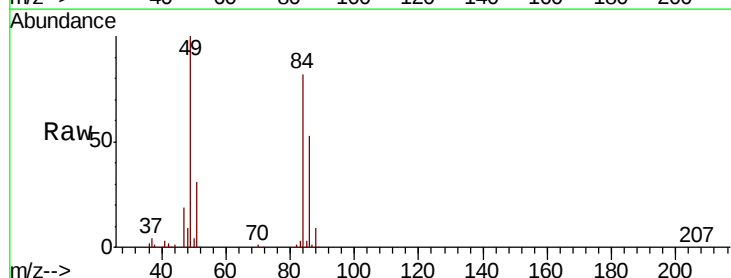
Instrument :
MSVOA_U
ClientSampleId :

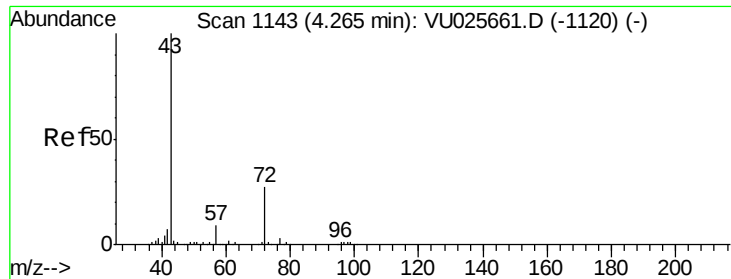
Tot Ion: 43 Resp: 3716
Ion Ratio Lower Upper
43 100
74 17.9 18.5 27.7#



#20
Methylene Chloride
Concen: 32.53 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025767.D
Acq: 01 Aug 2018 11:20

Tgt Ion: 84 Resp: 81659
Ion Ratio Lower Upper
84 100
49 121.2 101.8 152.6
51 37.7 30.8 46.2
86 64.1 51.9 77.9





#25

2-Butanone

Concen: 1.47 ug/l

RT: 4.28 min Scan# 1148

Delta R.T. 0.02 min

Lab File: VU025767.D

Acq: 01 Aug 2018 11:20

Instrument :

MSVOA_U

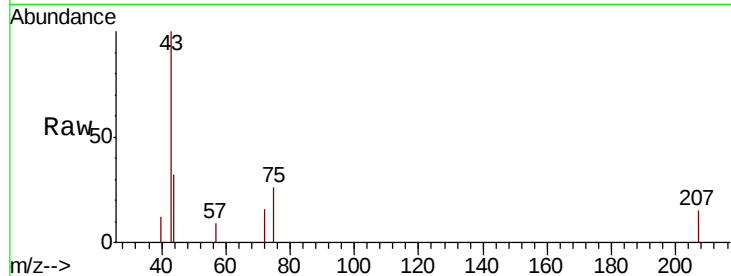
ClientSampleId :

Tot Ion: 43 Resp: 2832

Ion Ratio Lower Upper

43 100

72 16.3 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.28

1200

1000

800

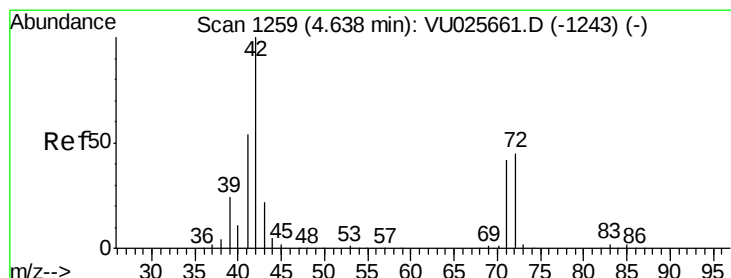
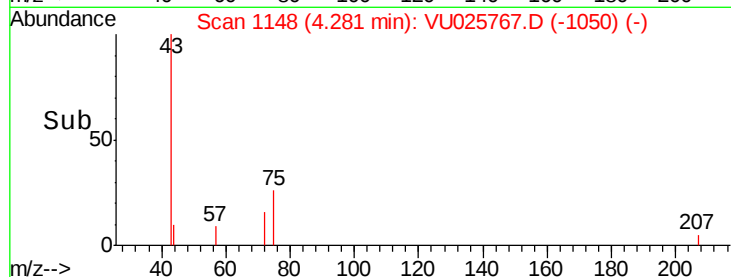
600

400

200

0

Time-->



#29

Tetrahydrofuran

Concen: 0.88 ug/l

RT: 4.65 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VU025767.D

Acq: 01 Aug 2018 11:20

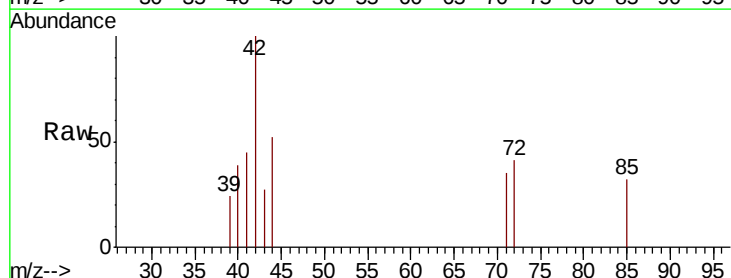
Tgt Ion: 42 Resp: 1012

Ion Ratio Lower Upper

42 100

72 28.8 36.7 55.1#

71 7.7 33.9 50.9#



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0

4.65

600

500

400

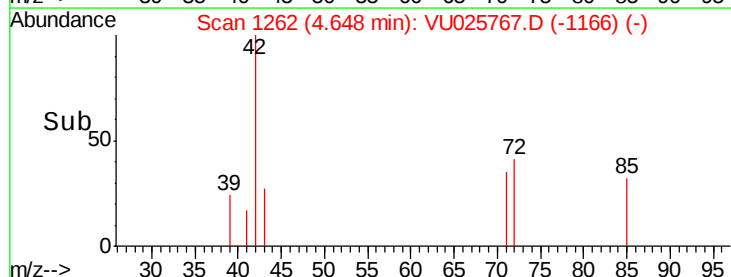
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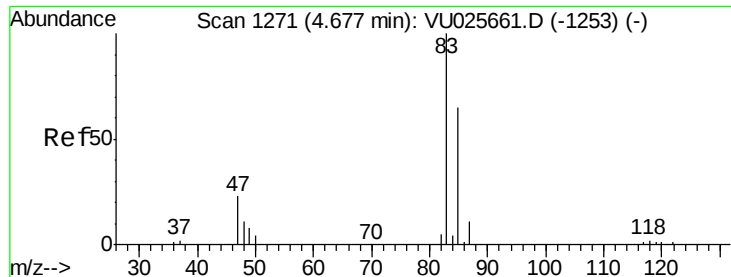
200

100

0

Time-->

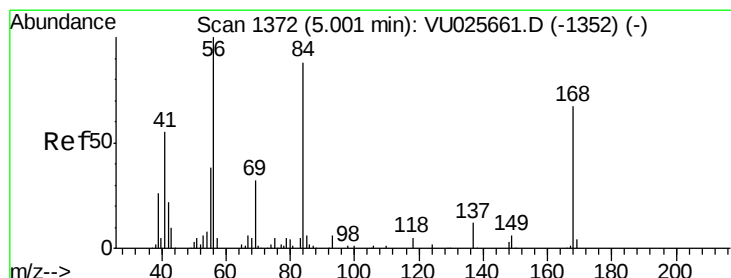
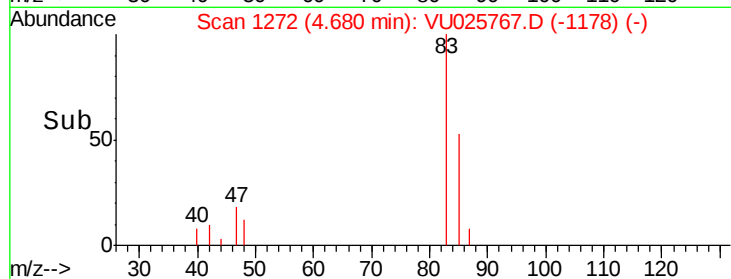
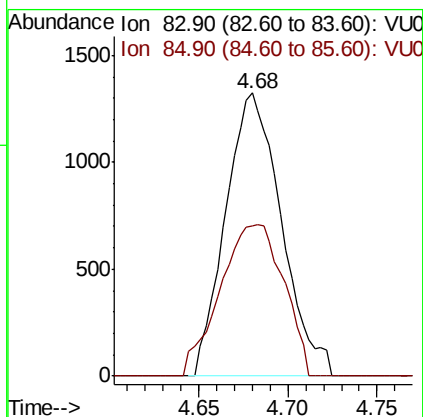
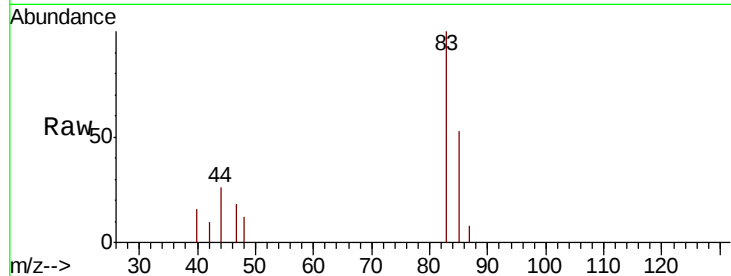




#30
Chloroform
Concen: 0.64 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025767.D
Acq: 01 Aug 2018 11:20

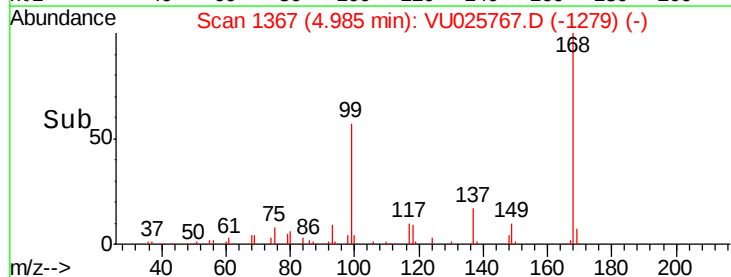
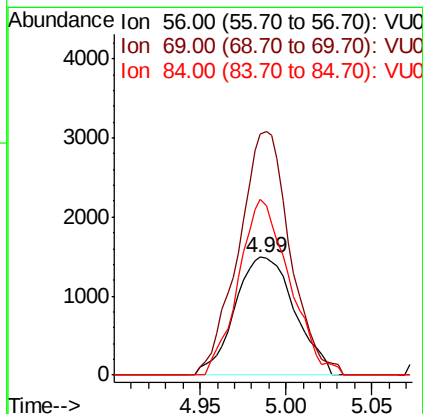
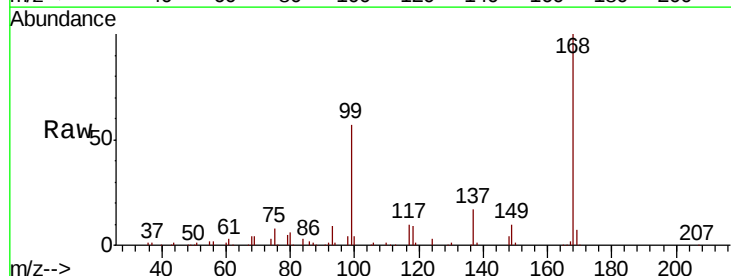
Instrument :
MSVOA_U
ClientSampled :

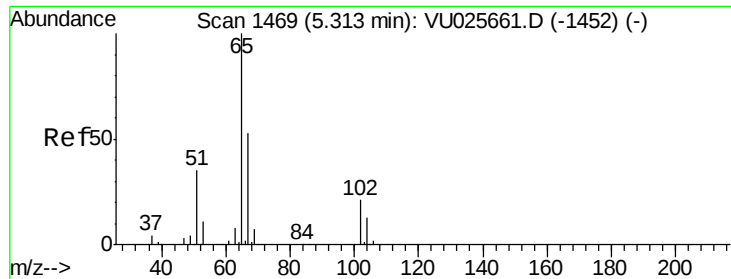
Tot Ion: 83 Resp: 2886
Ion Ratio Lower Upper
83 100
85 53.1 51.5 77.3



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU025767.D
Acq: 01 Aug 2018 11:20

Tgt Ion: 56 Resp: 3610
Ion Ratio Lower Upper
56 100
69 204.6 26.8 40.2#
84 149.4 69.7 104.5#

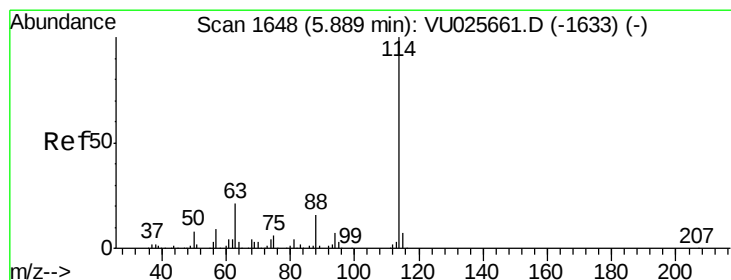
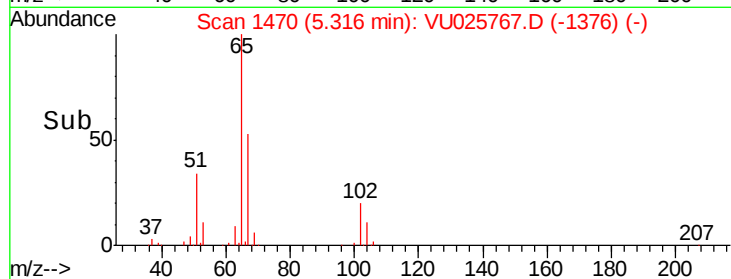
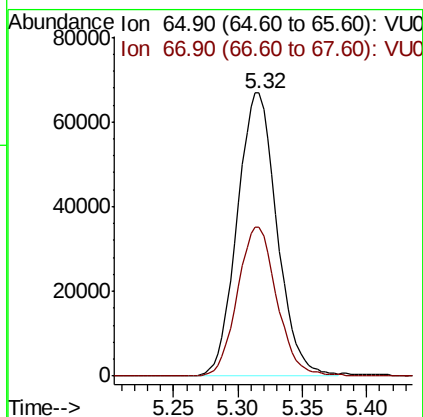
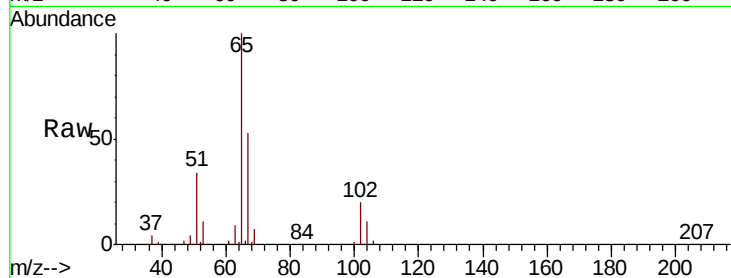




#33
 1,2-Dichloroethane-d4
 Concen: 49.36 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU025767.D
 Acq: 01 Aug 2018 11:20

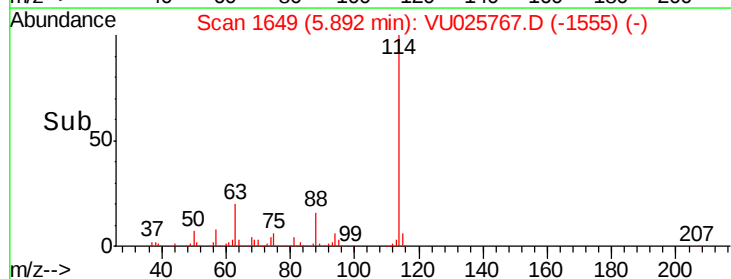
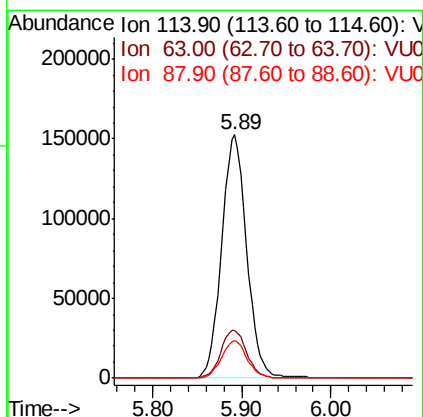
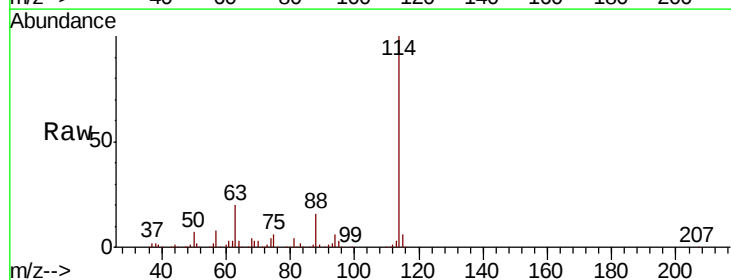
Instrument :
 MSVOA_U
 ClientSampleId :

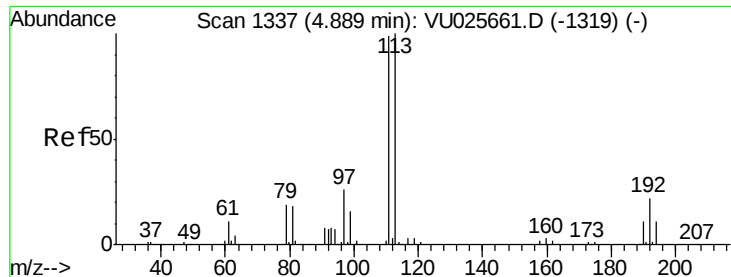
Tot Ion: 65 Resp: 143381
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025767.D
 Acq: 01 Aug 2018 11:20

Tgt Ion: 114 Resp: 296963
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.6
 88 15.6 0.0 32.4

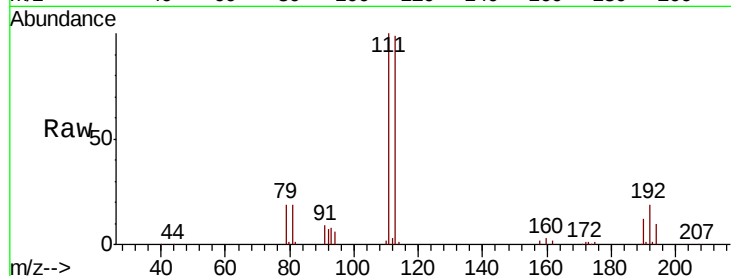




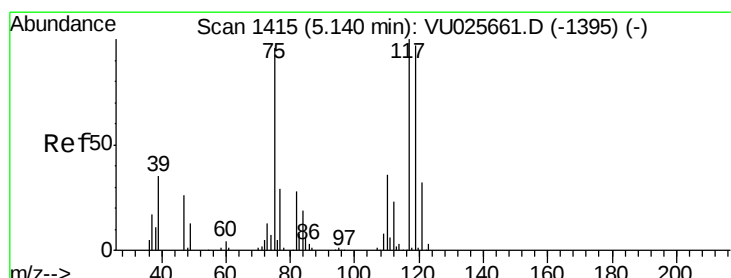
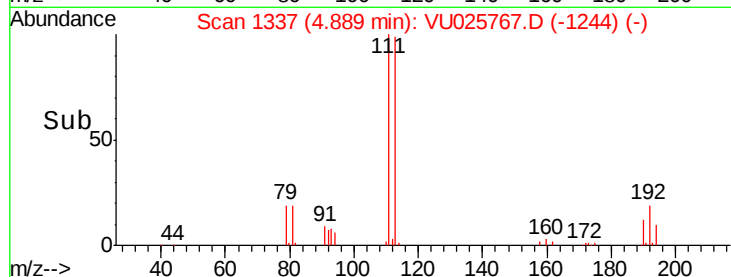
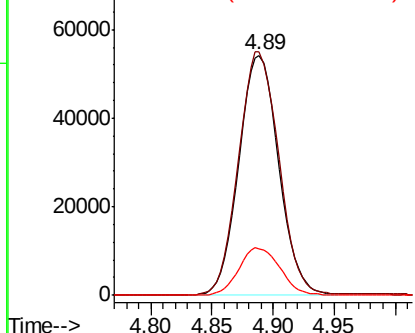
#35
Dibromofluoromethane
Concen: 47.52 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VU025767.D
Acq: 01 Aug 2018 11:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.7	122.5
192	20.6	17.1	25.7

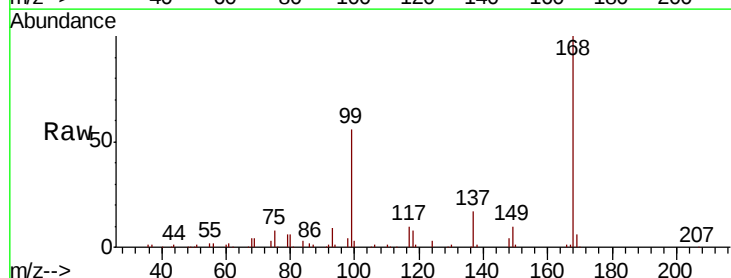


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

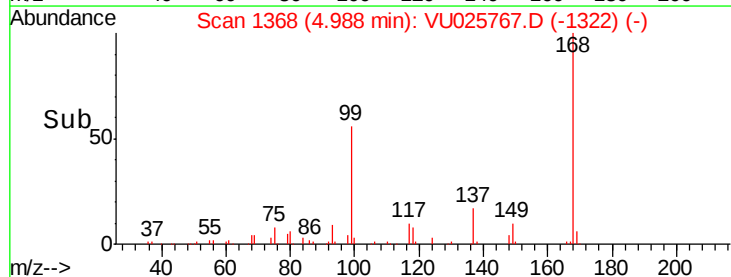
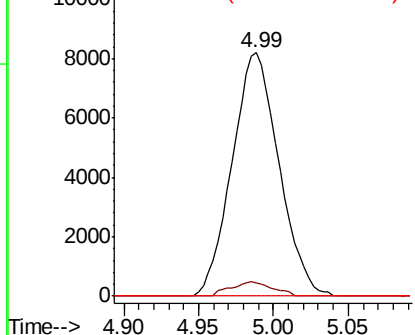


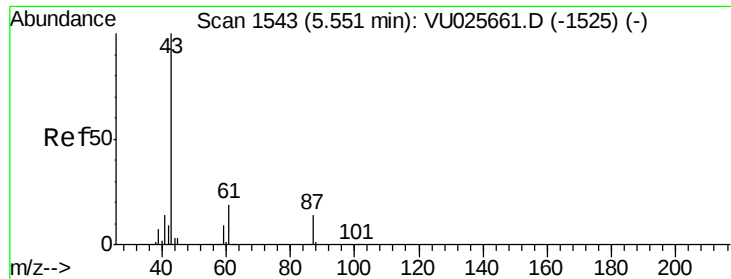
#38
Carbon Tetrachloride
Concen: 4.55 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.15 min
Lab File: VU025767.D
Acq: 01 Aug 2018 11:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	75.7	113.5#
121	0.0	24.6	36.8#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



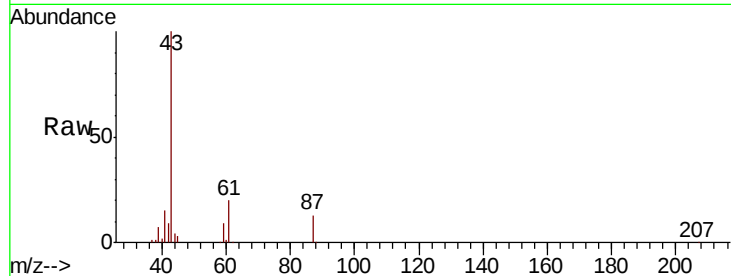


#43

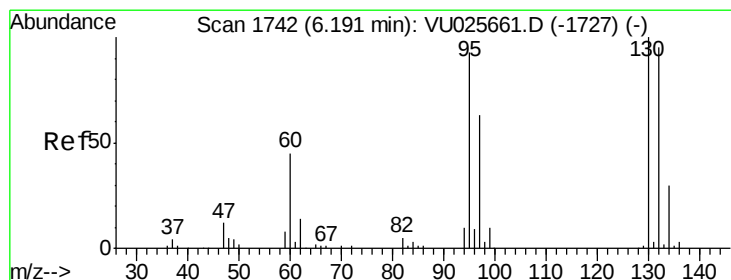
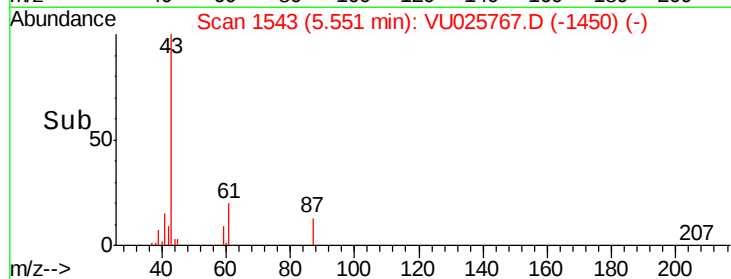
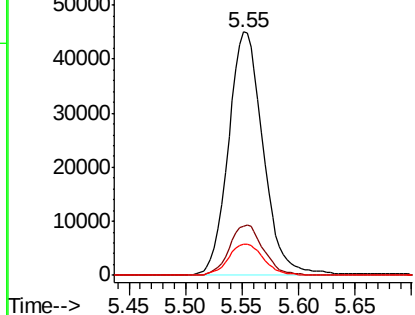
Isopropyl Acetate
 Concen: 16.20 ug/l
 RT: 5.55 min Scan# 1543
 Delta R.T. -0.00 min
 Lab File: VU025767.D
 Acq: 01 Aug 2018 11:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	15.5	23.3
87	13.1	10.6	16.0



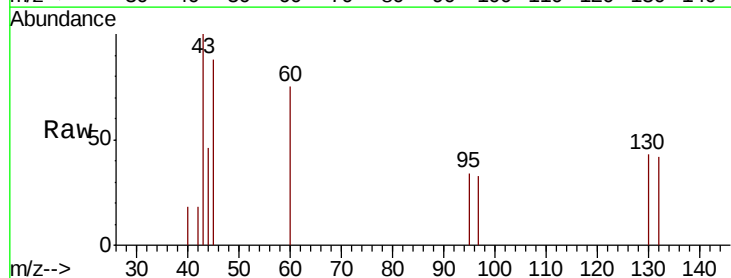
Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 87.00 (86.70 to 87.70): VU0



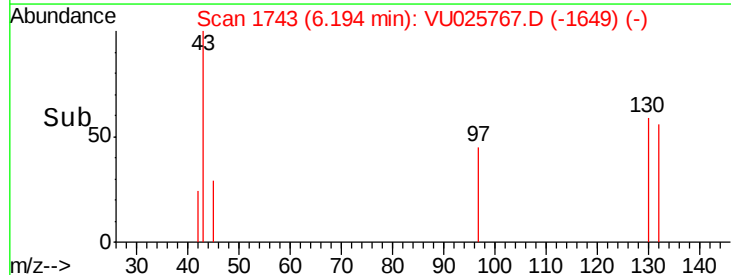
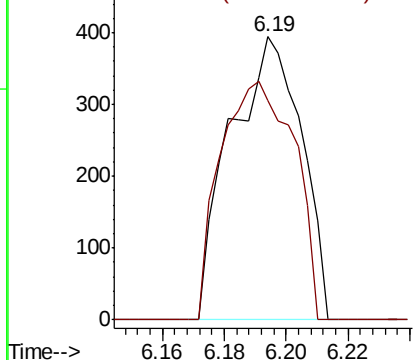
#44

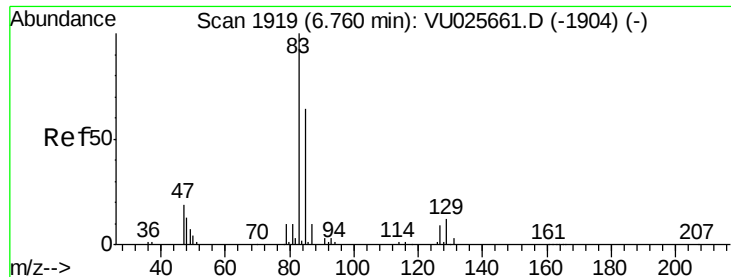
Trichloroethene
 Concen: 0.22 ug/l
 RT: 6.19 min Scan# 1743
 Delta R.T. 0.00 min
 Lab File: VU025767.D
 Acq: 01 Aug 2018 11:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	77.7	0.0	192.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VU0





#47

Bromodichloromethane

Concen: 0.21 ug/l

RT: 6.77 min Scan# 1921

Delta R.T. 0.01 min

Lab File: VU025767.D

Acq: 01 Aug 2018 11:20

Instrument :

MSVOA_U

ClientSampleId :

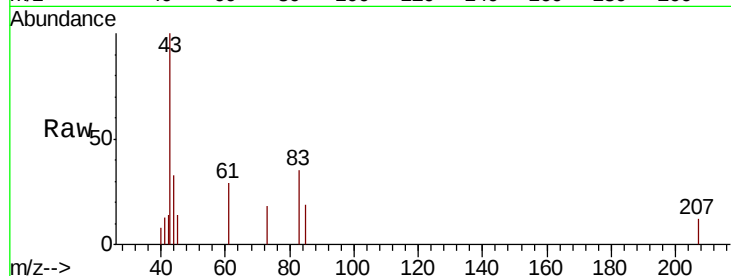
Tot Ion: 83 Resp: 756

Ion Ratio Lower Upper

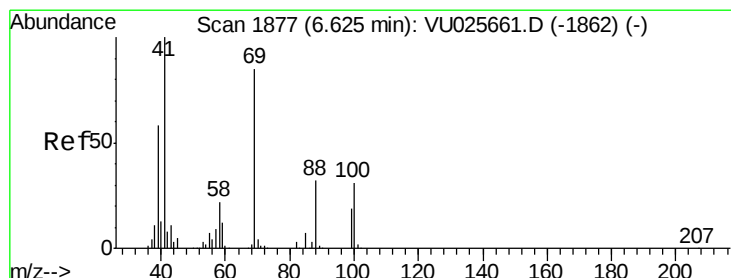
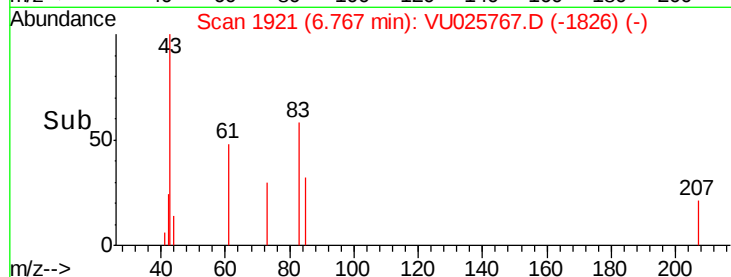
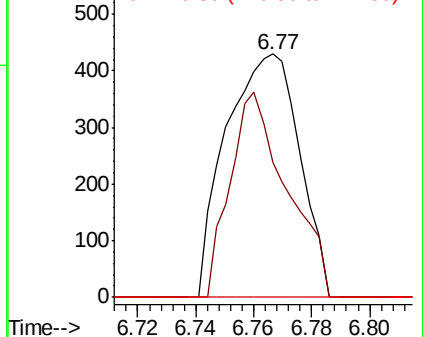
83 100

85 55.6 50.2 75.4

127 0.0 7.2 10.8#



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 3.40 ug/l

RT: 6.71 min Scan# 1904

Delta R.T. 0.09 min

Lab File: VU025767.D

Acq: 01 Aug 2018 11:20

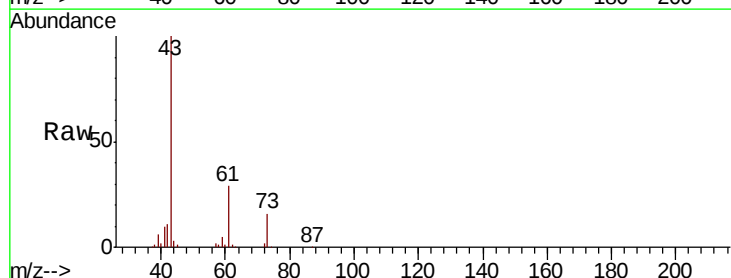
Tgt Ion: 41 Resp: 9922

Ion Ratio Lower Upper

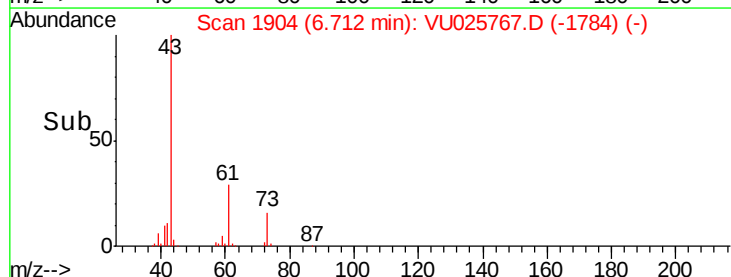
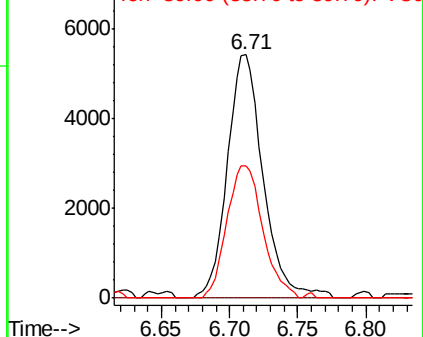
41 100

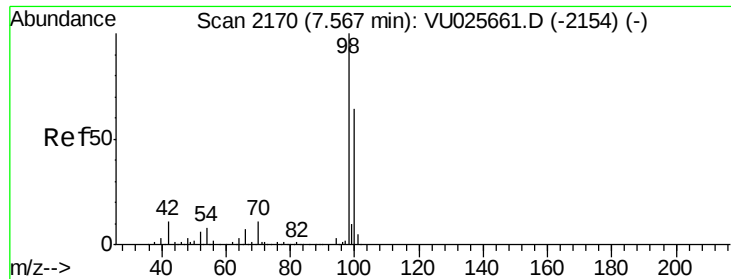
69 0.0 65.0 97.4#

39 54.6 46.4 69.6



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

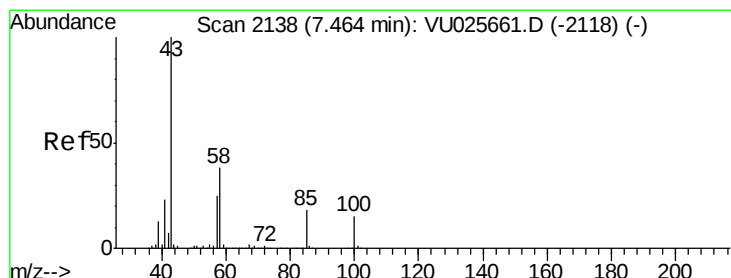
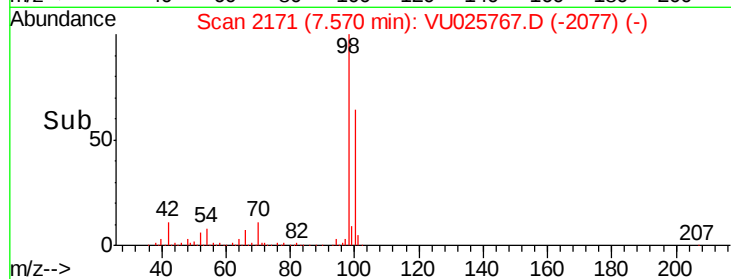
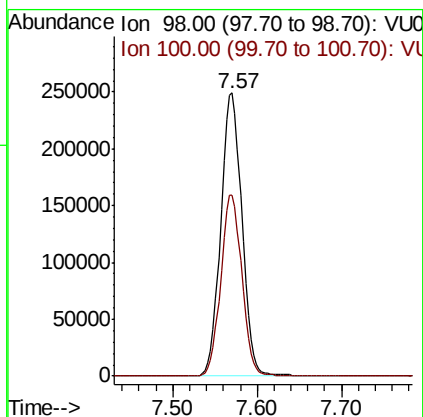
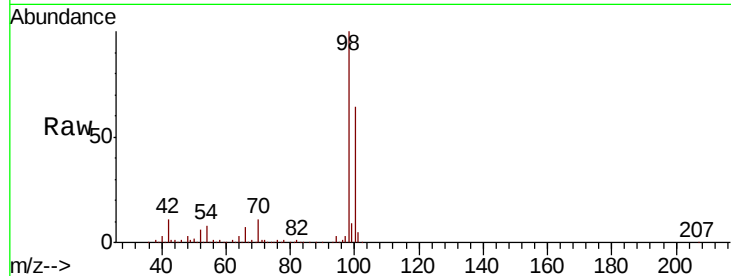




#50
Toluene-d8
Concen: 48.18 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025767.D
Acq: 01 Aug 2018 11:20

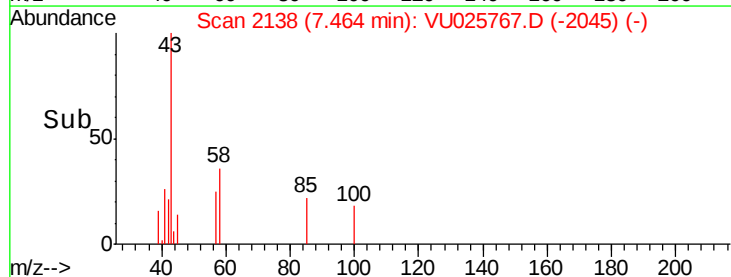
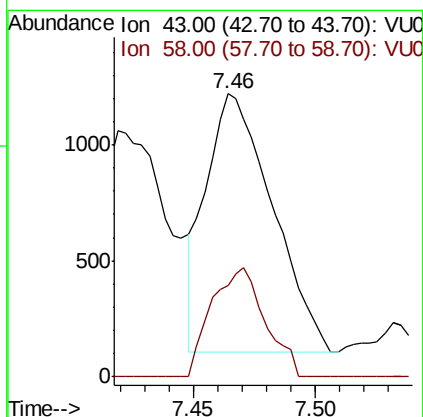
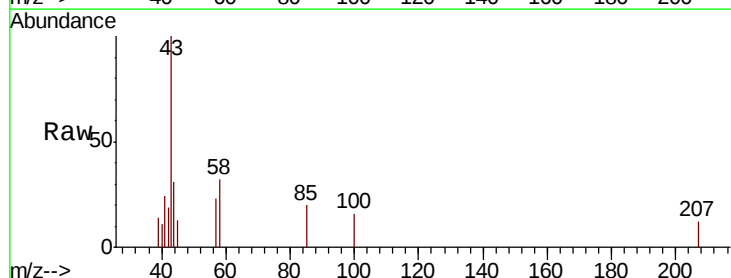
Instrument :
MSVOA_U
ClientSampled :

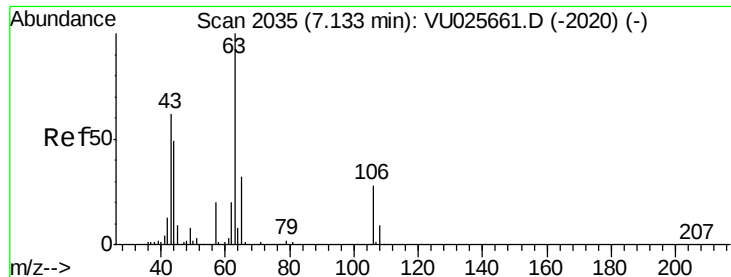
Tot Ion: 98 Resp: 435490
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.56 ug/l
RT: 7.46 min Scan# 2138
Delta R.T. -0.00 min
Lab File: VU025767.D
Acq: 01 Aug 2018 11:20

Tgt Ion: 43 Resp: 2103
Ion Ratio Lower Upper
43 100
58 34.1 31.0 46.4

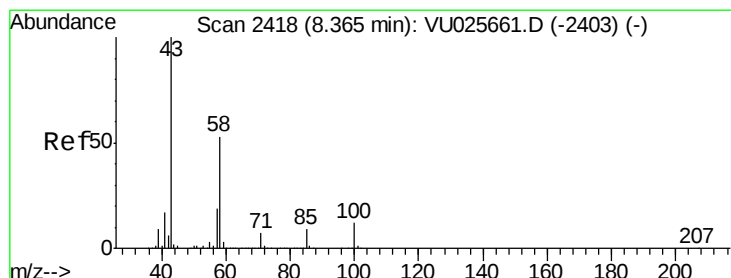
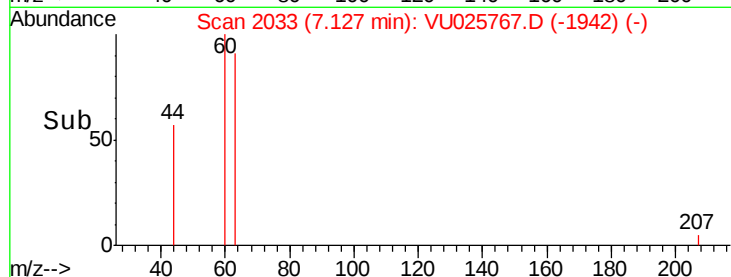
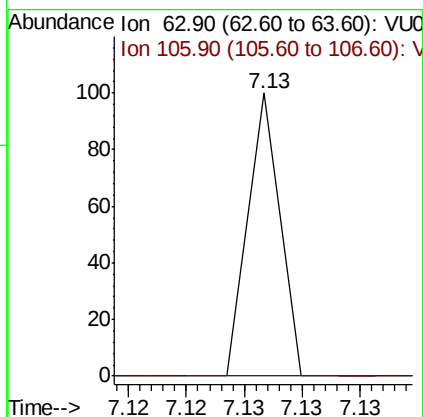
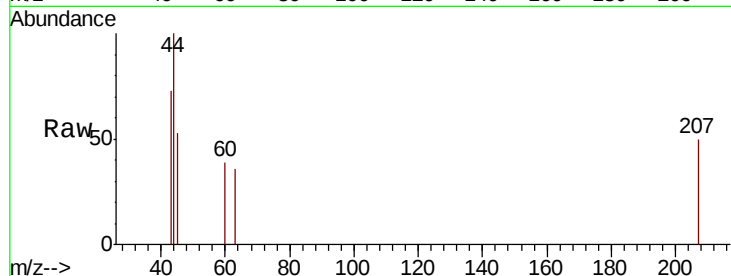




#58
 2-Chloroethyl Vinyl ether
 Concen: 7.09 ug/l
 RT: 7.13 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: VU025767.D
 Acq: 01 Aug 2018 11:20

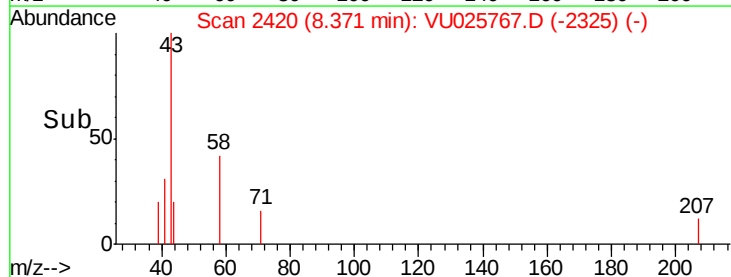
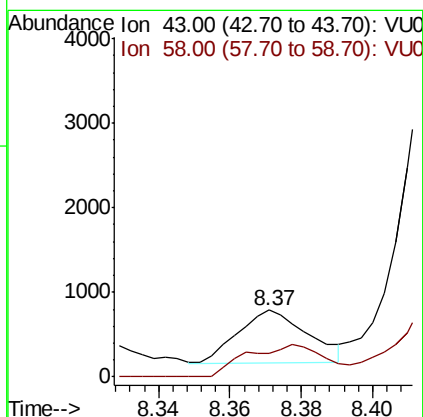
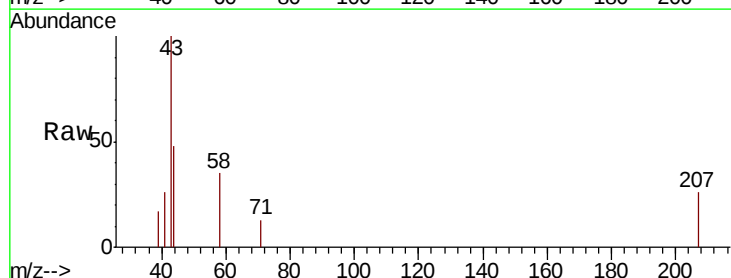
Instrument :
 MSVOA_U
 ClientSampled :

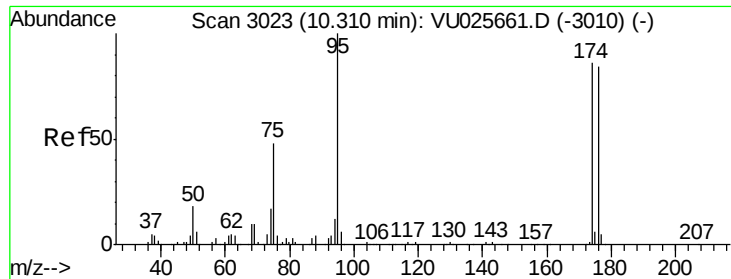
Tot Ion: 63 Resp: 19
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.3 33.5#



#59
 2-Hexanone
 Concen: 0.29 ug/l
 RT: 8.37 min Scan# 2420
 Delta R.T. 0.01 min
 Lab File: VU025767.D
 Acq: 01 Aug 2018 11:20

Tgt Ion: 43 Resp: 840
 Ion Ratio Lower Upper
 43 100
 58 70.0 26.2 78.5





#62

4-Bromofluorobenzene

Concen: 47.02 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025767.D

Acq: 01 Aug 2018 11:20

Instrument :

MSVOA_U

ClientSampleId :

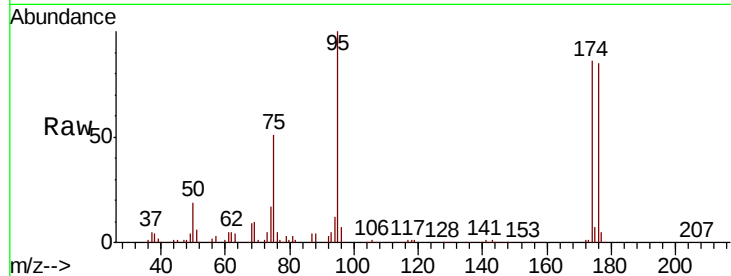
Tot Ion: 95 Resp: 164965

Ion Ratio Lower Upper

95 100

174 87.1 0.0 172.2

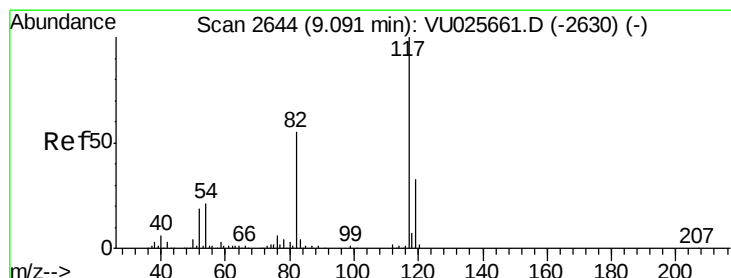
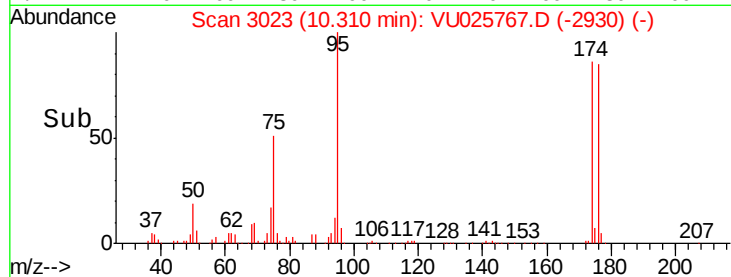
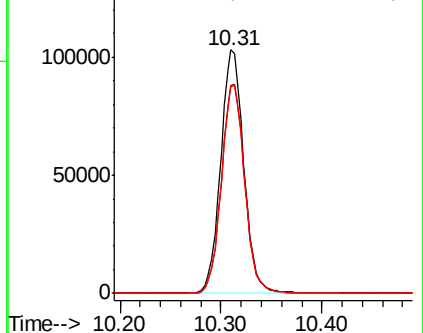
176 85.8 0.0 162.6



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



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025767.D

Acq: 01 Aug 2018 11:20

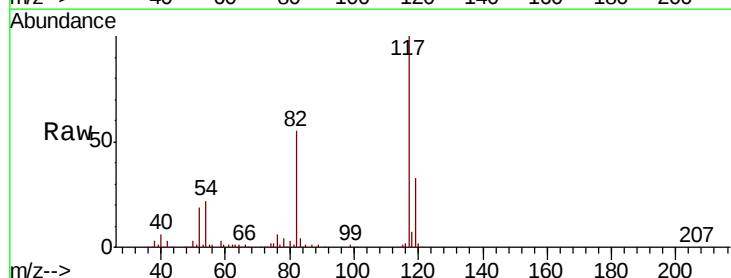
Tgt Ion: 117 Resp: 290554

Ion Ratio Lower Upper

117 100

82 55.3 46.0 69.0

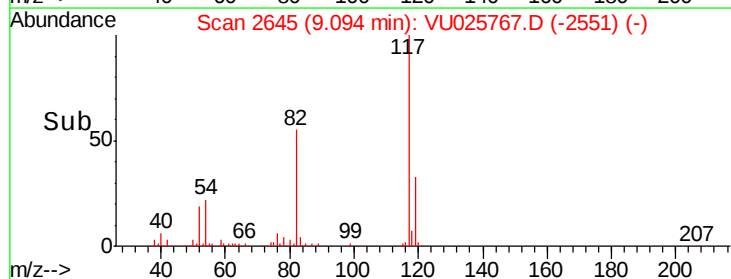
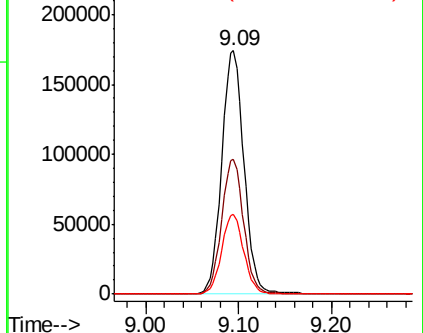
119 32.6 26.0 39.0

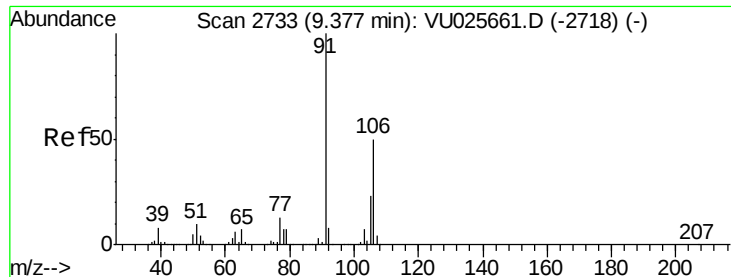


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V

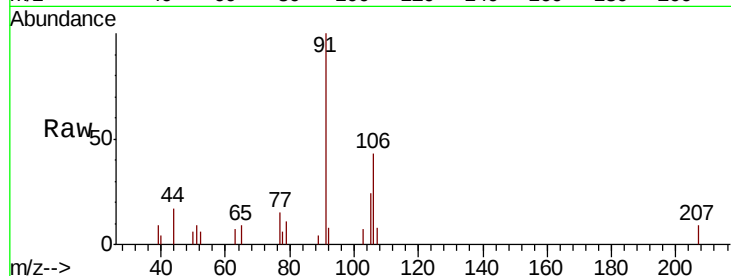




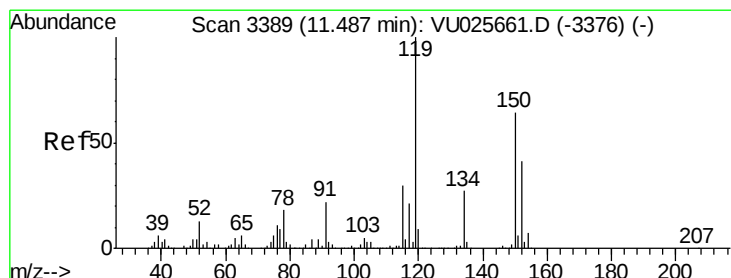
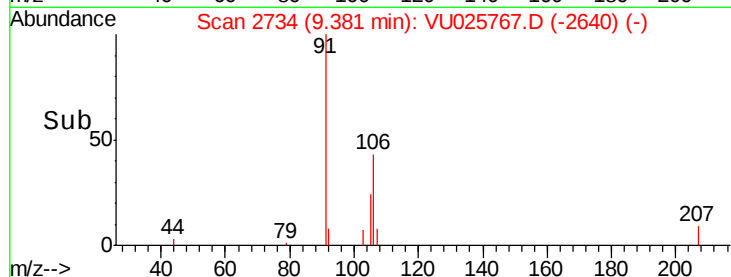
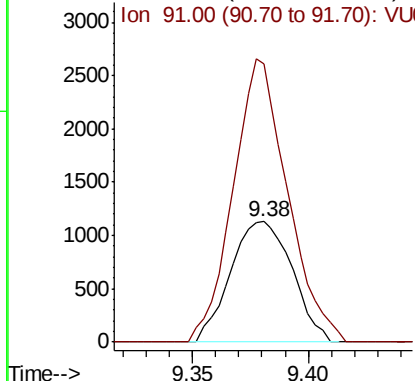
#68
m/p-Xvlenes
Concen: 0.44 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025767.D
Acq: 01 Aug 2018 11:20

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 2081
Ion Ratio Lower Upper
106 100
91 208.2 162.3 243.5

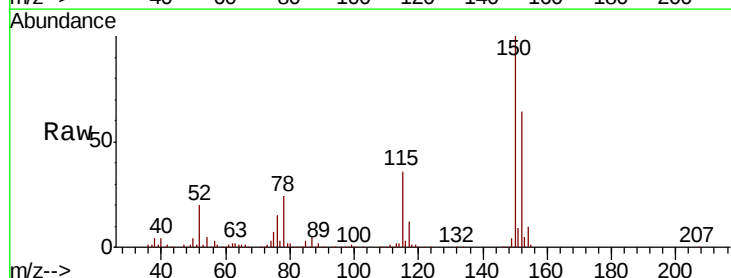


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

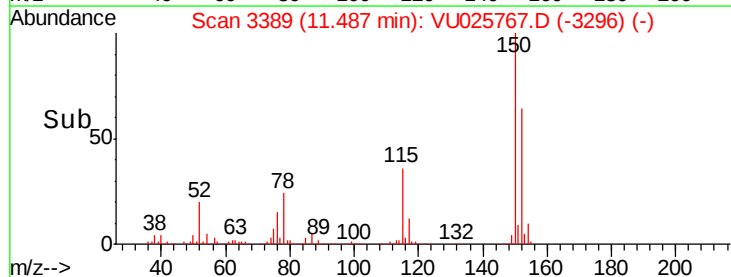
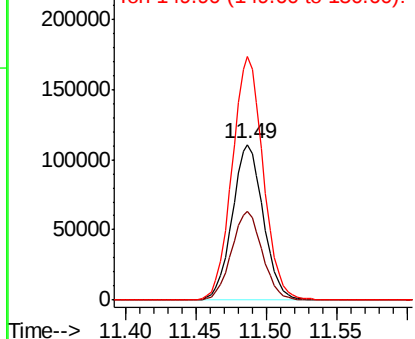


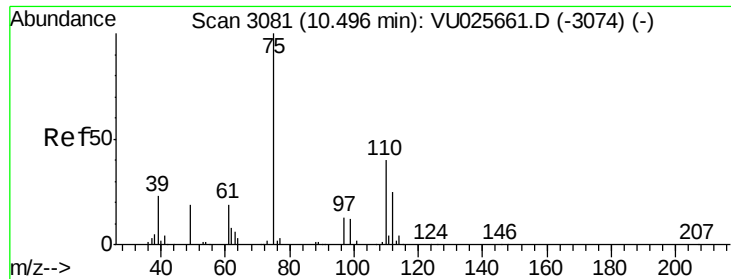
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU025767.D
Acq: 01 Aug 2018 11:20

Tgt Ion:152 Resp: 170758
Ion Ratio Lower Upper
152 100
115 56.6 40.1 120.3
150 156.7 0.0 351.4



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

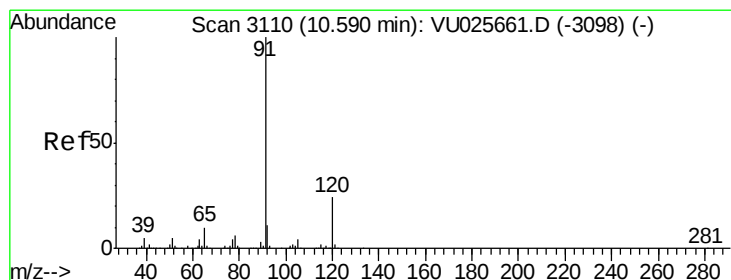
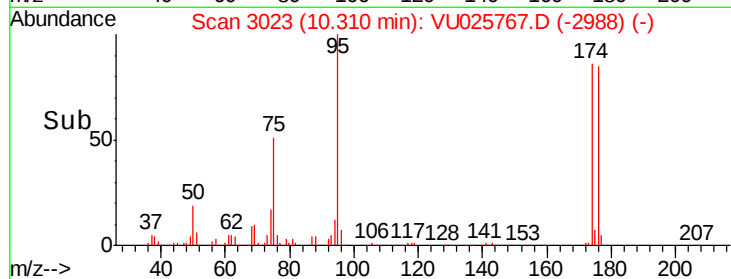
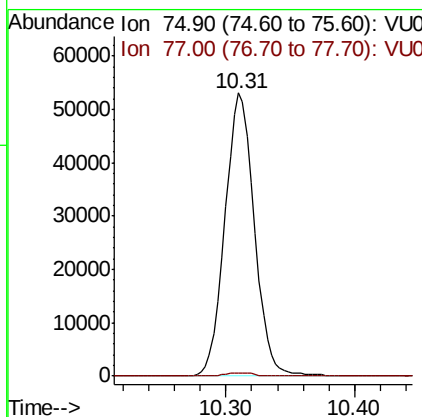
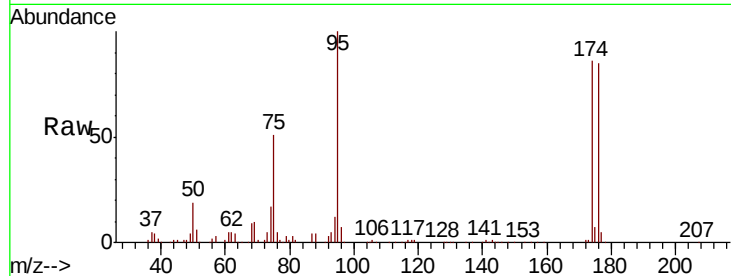




#76
 1,2,3-Trichloropropane
 Concen: 22.25 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025767.D
 Acq: 01 Aug 2018 11:20

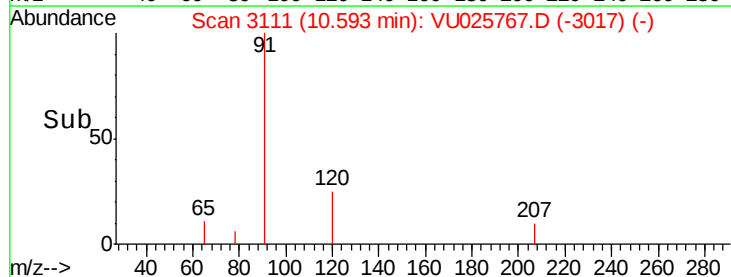
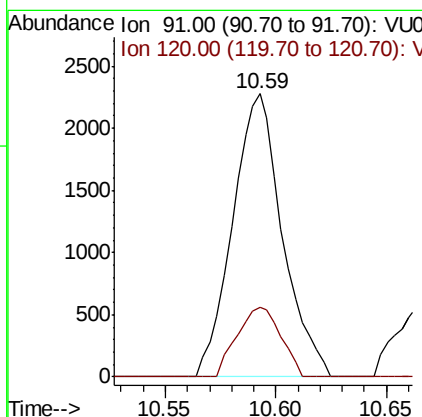
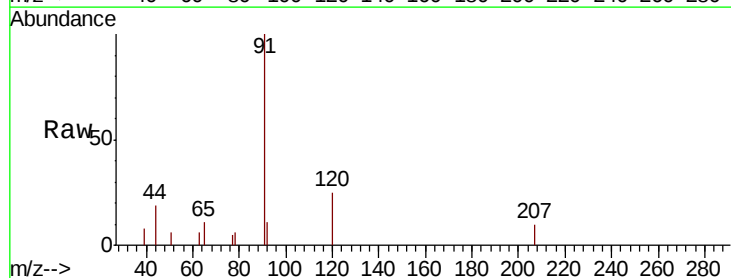
Instrument :
 MSVOA_U
 ClientSampled :

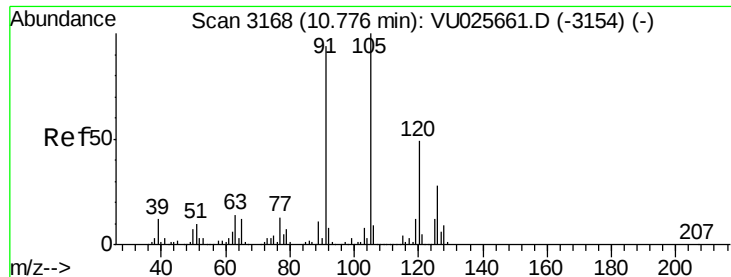
Tot Ion: 75 Resp: 83701
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.4 61.3#



#78
 n-propylbenzene
 Concen: 0.26 ug/l
 RT: 10.59 min Scan# 3111
 Delta R.T. 0.00 min
 Lab File: VU025767.D
 Acq: 01 Aug 2018 11:20

Tgt Ion: 91 Resp: 3556
 Ion Ratio Lower Upper
 91 100
 120 21.6 11.8 35.3

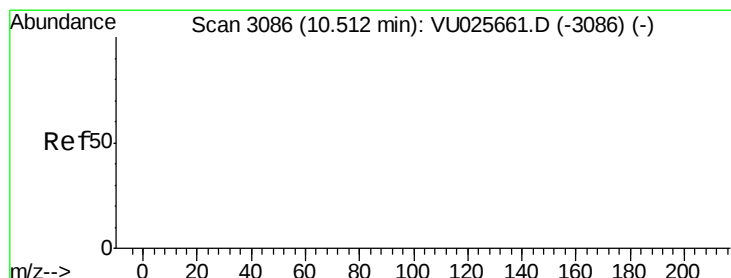
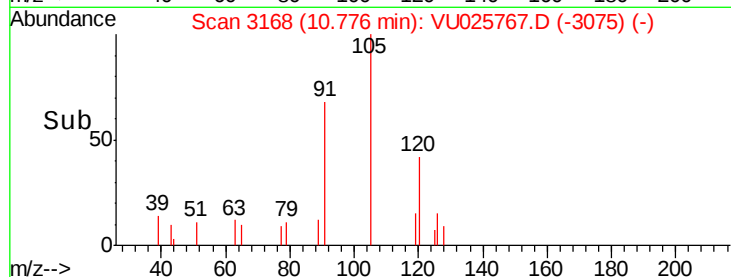
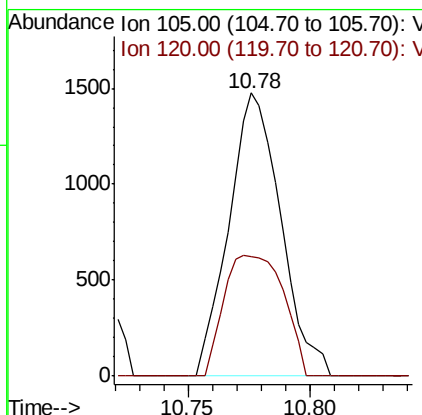
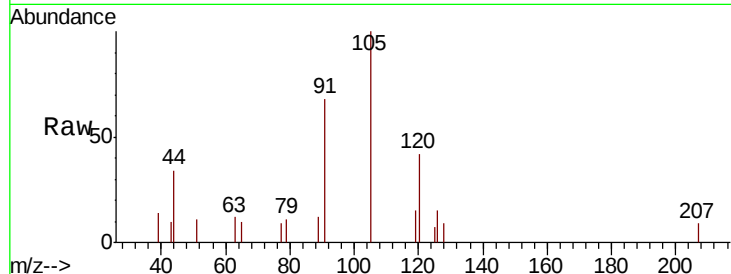




#80
 1,3,5-Trimethylbenzene
 Concen: 0.22 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU025767.D
 Acq: 01 Aug 2018 11:20

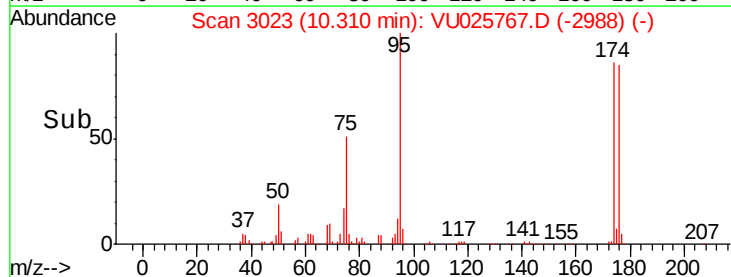
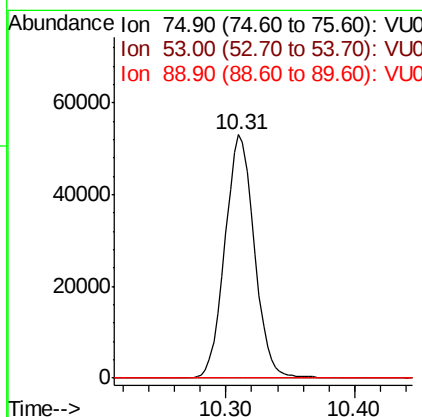
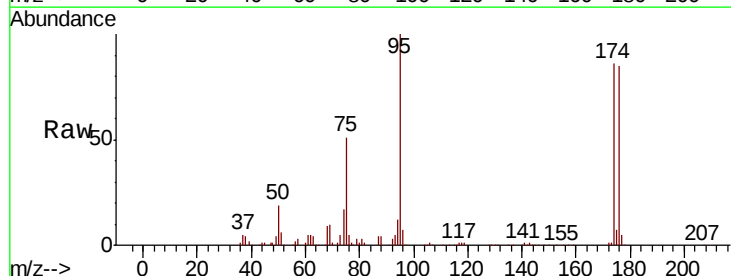
Instrument :
 MSVOA_U
 ClientSampled :

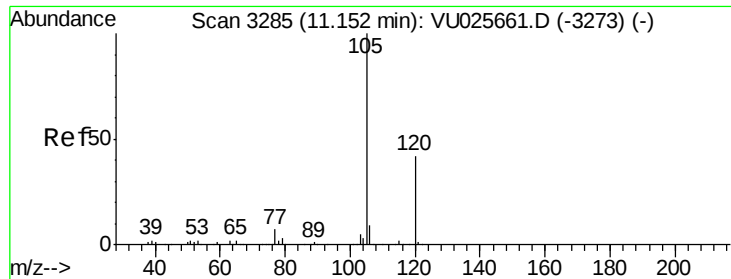
Tot Ion:105 Resp: 2180
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.78 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025767.D
 Acq: 01 Aug 2018 11:20

Tgt Ion: 75 Resp: 83701
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

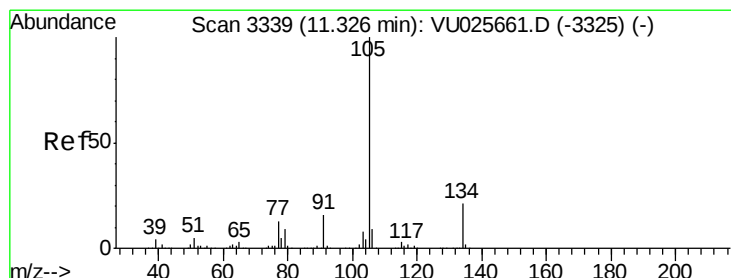
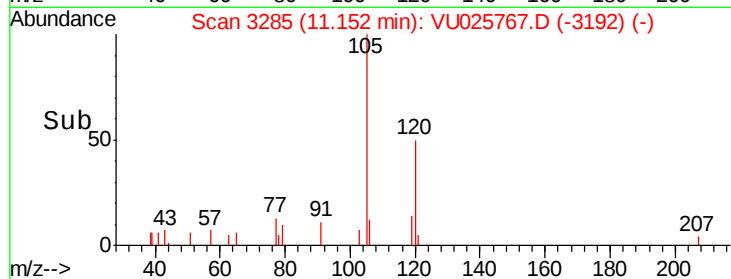
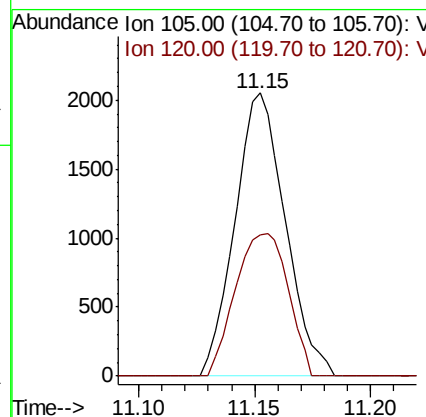
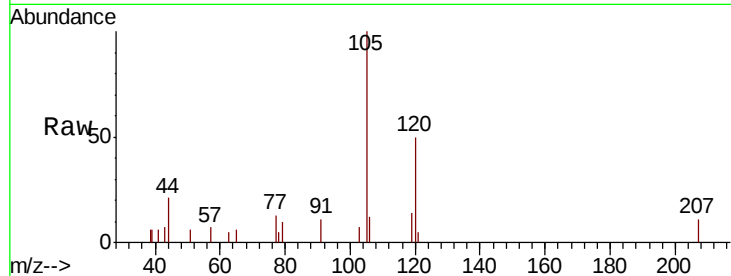




#84
1,2,4-Trimethylbenzene
Concen: 0.31 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. -0.00 min
Lab File: VU025767.D
Acq: 01 Aug 2018 11:20

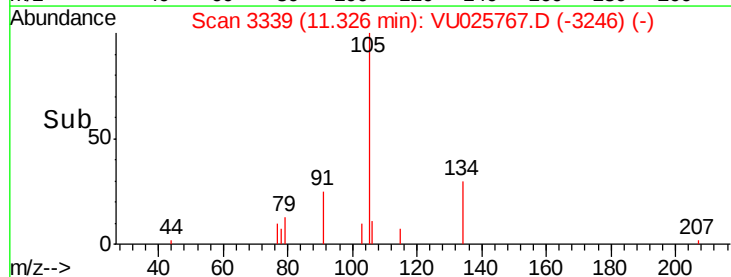
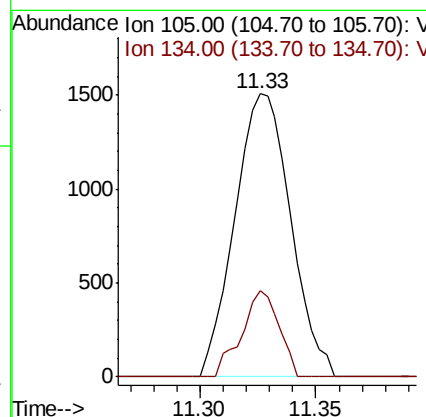
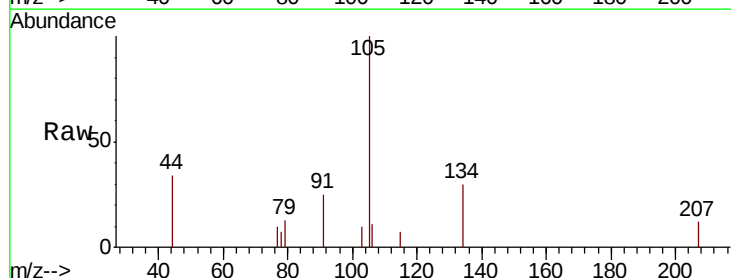
Instrument :
MSVOA_U
ClientSampleId :

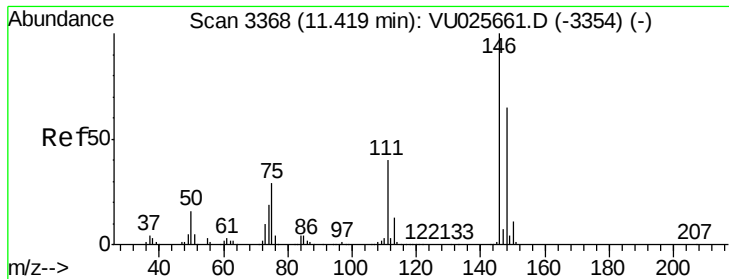
Tot Ion:105 Resp: 3095
Ion Ratio Lower Upper
105 100
120 52.7 22.3 66.8



#85
sec-Butylbenzene
Concen: 0.21 ug/l
RT: 11.33 min Scan# 3339
Delta R.T. -0.00 min
Lab File: VU025767.D
Acq: 01 Aug 2018 11:20

Tgt Ion:105 Resp: 2525
Ion Ratio Lower Upper
105 100
134 20.3 10.3 30.8





#87

1,3-Dichlorobenzene

Concen: 0.21 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU025767.D

Acq: 01 Aug 2018 11:20

Instrument :

MSVOA_U

ClientSampleId :

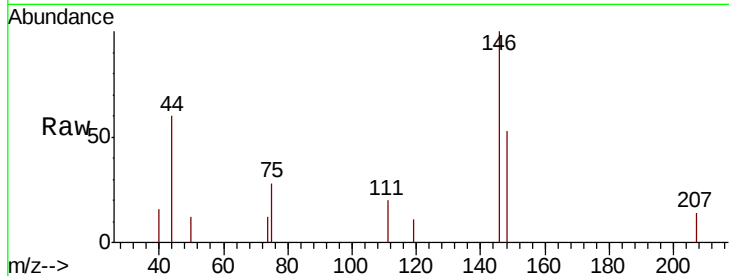
Tot Ion:146 Resp: 1256

Ion Ratio Lower Upper

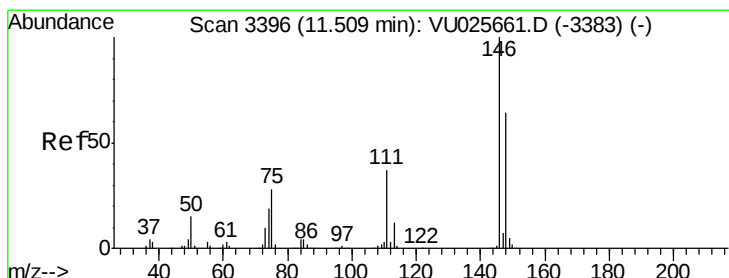
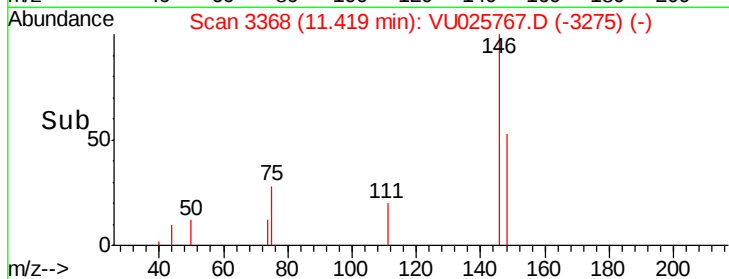
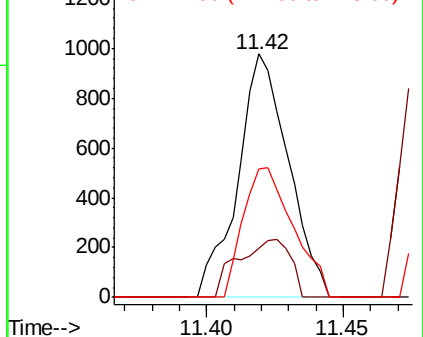
146 100

111 24.5 19.7 59.1

148 52.9 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 0.20 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. -0.09 min

Lab File: VU025767.D

Acq: 01 Aug 2018 11:20

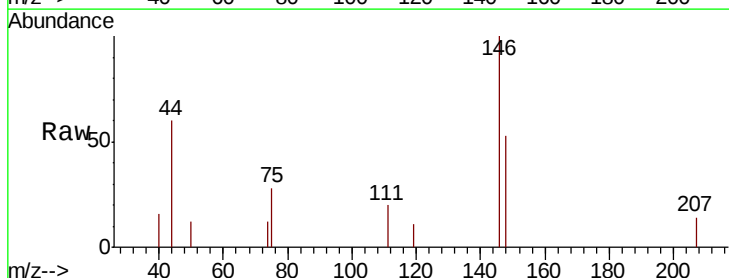
Tgt Ion:146 Resp: 1256

Ion Ratio Lower Upper

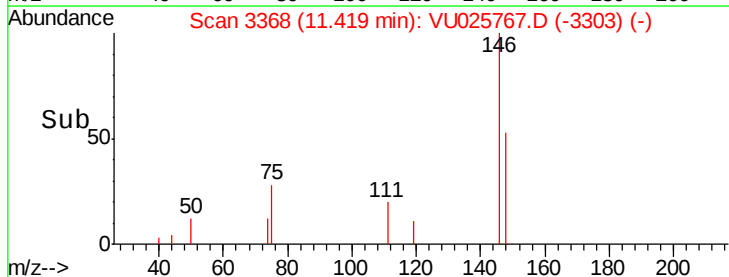
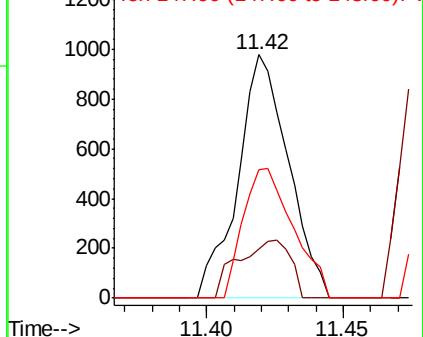
146 100

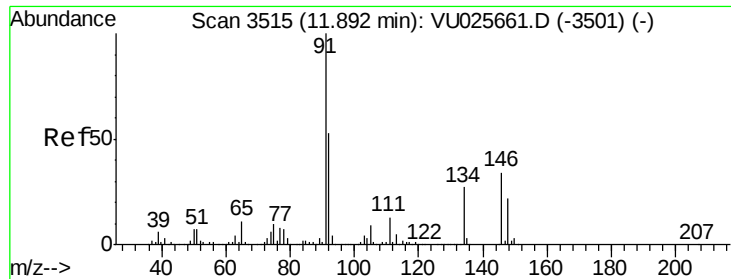
111 24.5 19.4 58.1

148 52.9 31.7 95.1



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

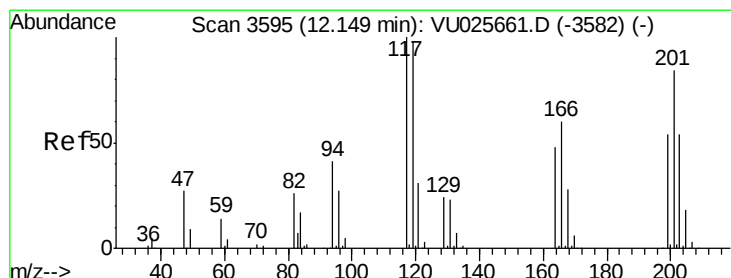
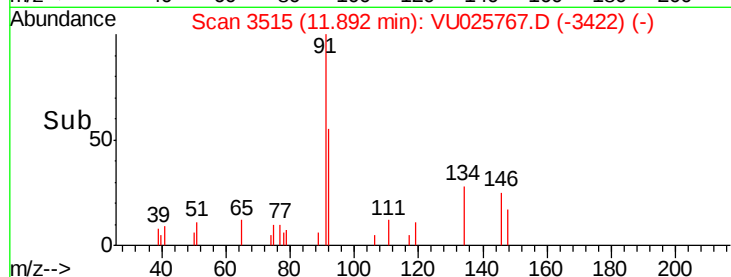
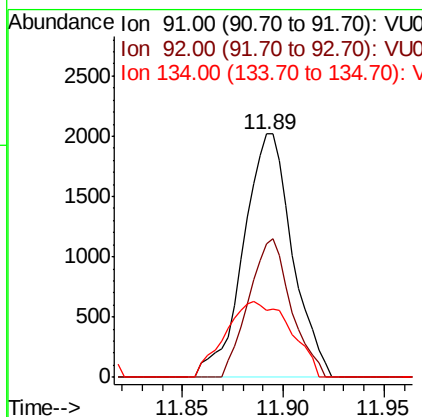
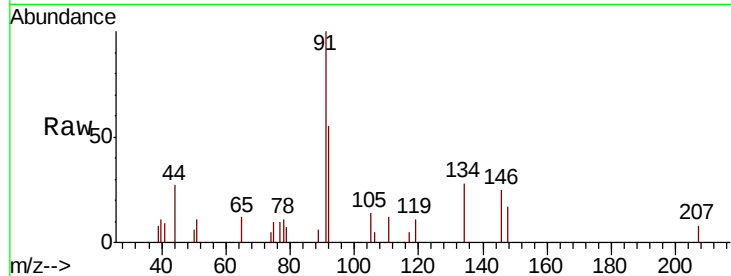




#89
n-Butylbenzene
Concen: 0.34 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU025767.D
Acq: 01 Aug 2018 11:20

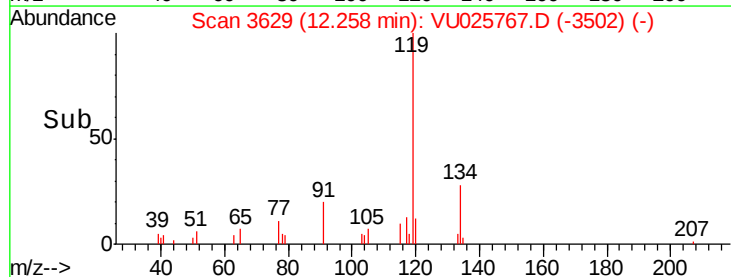
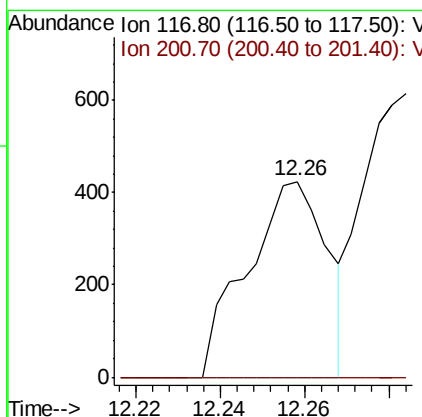
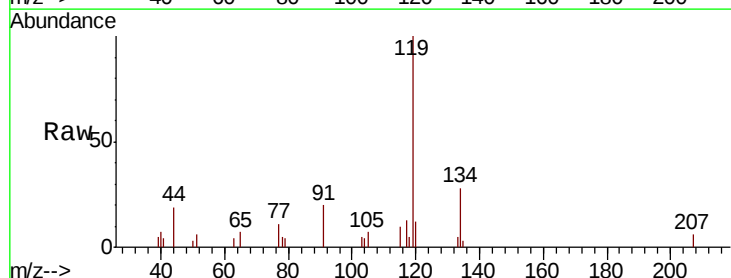
Instrument :
MSVOA_U
ClientSampleId :

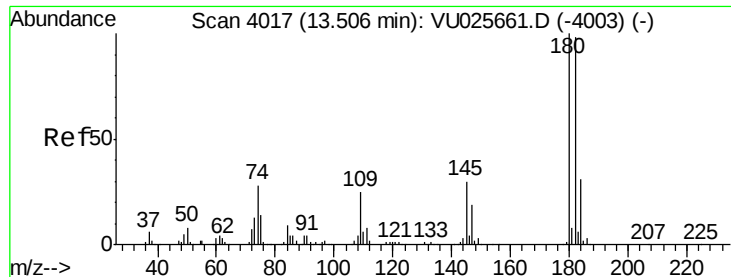
Tot Ion: 91 Resp: 3420
Ion Ratio Lower Upper
91 100
92 49.4 26.5 79.5
134 41.4 13.6 40.7#



#90
Hexachloroethane
Concen: 0.29 ug/l
RT: 12.26 min Scan# 3629
Delta R.T. 0.11 min
Lab File: VU025767.D
Acq: 01 Aug 2018 11:20

Tgt Ion: 117 Resp: 558
Ion Ratio Lower Upper
117 100
201 0.0 42.5 127.6#

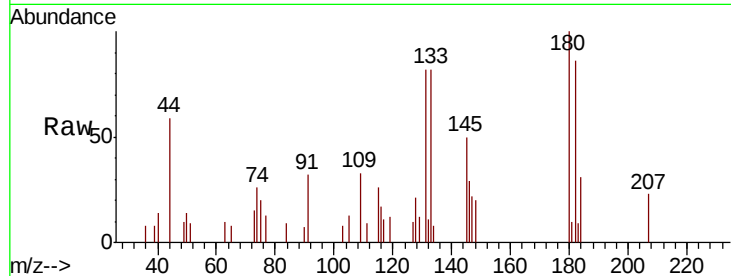




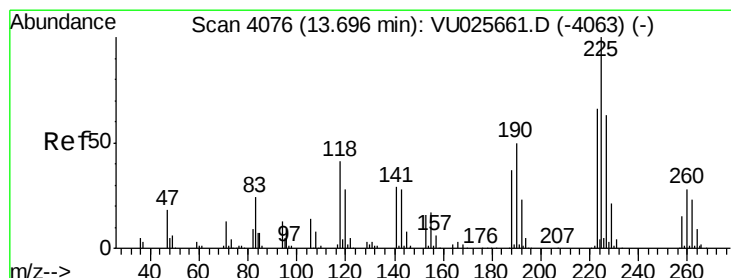
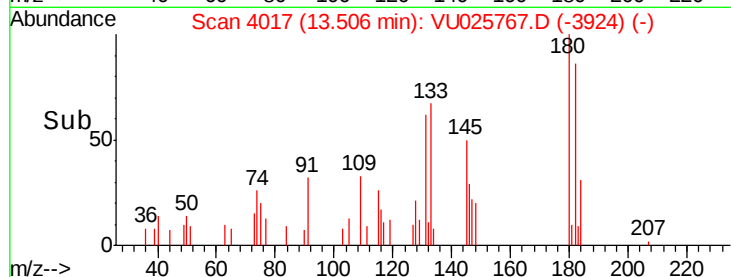
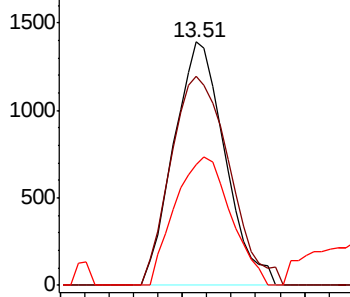
#93
 1,2,4-Trichlorobenzene
 Concen: 0.51 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025767.D
 Acq: 01 Aug 2018 11:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 2024
 Ion Ratio Lower Upper
 180 100
 182 98.4 47.3 141.9
 145 57.7 14.9 44.7#

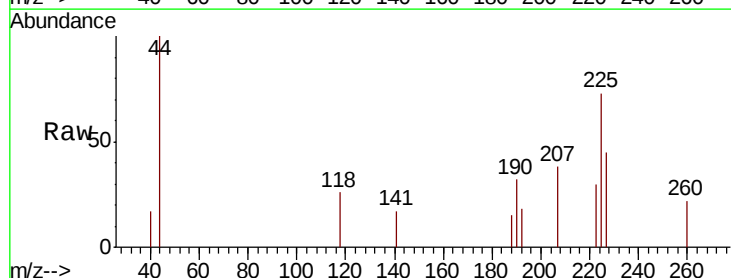


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

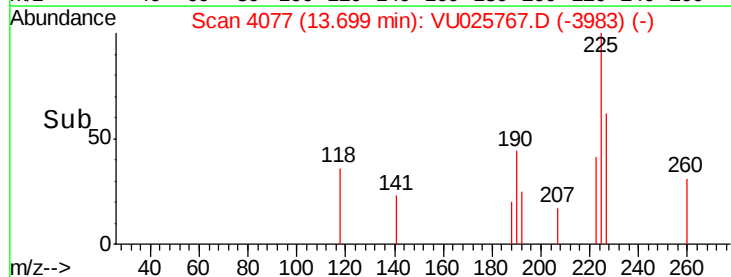
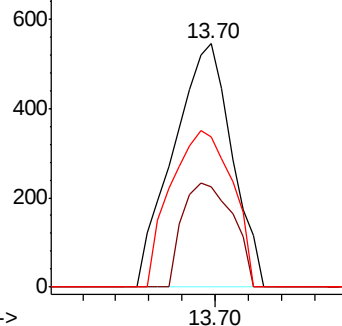


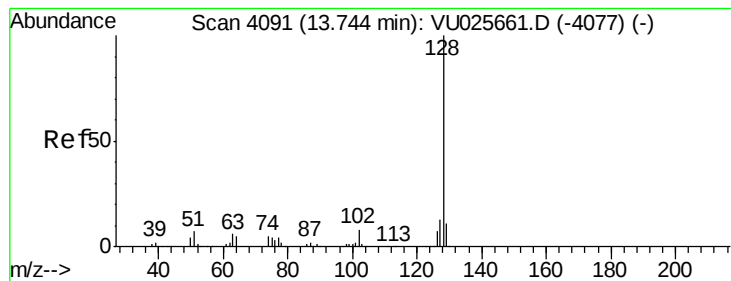
#94
 Hexachlorobutadiene
 Concen: 0.32 ug/l
 RT: 13.70 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VU025767.D
 Acq: 01 Aug 2018 11:20

Tgt Ion:225 Resp: 669
 Ion Ratio Lower Upper
 225 100
 223 36.8 31.9 95.7
 227 67.3 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 9.70 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025767.D

Acq: 01 Aug 2018 11:20

Instrument :

MSVOA_U

ClientSampleId :

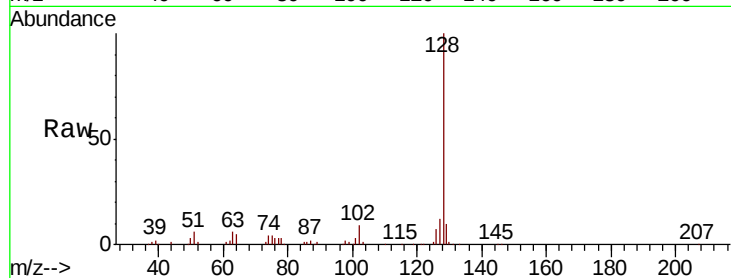
Tot Ion:128 Resp: 109935

Ion Ratio Lower Upper

128 100

127 12.2 10.5 15.7

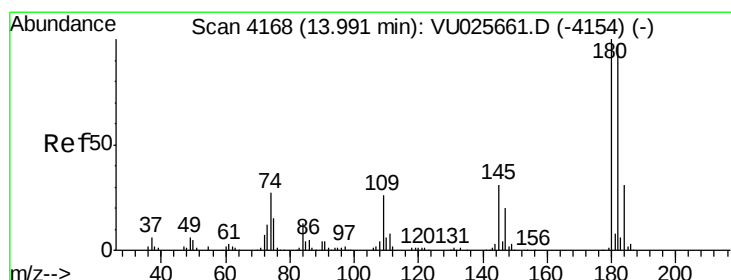
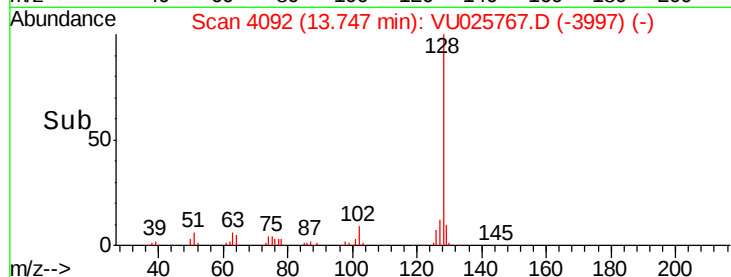
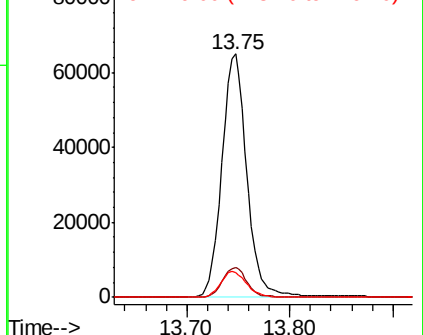
129 10.9 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.49 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025767.D

Acq: 01 Aug 2018 11:20

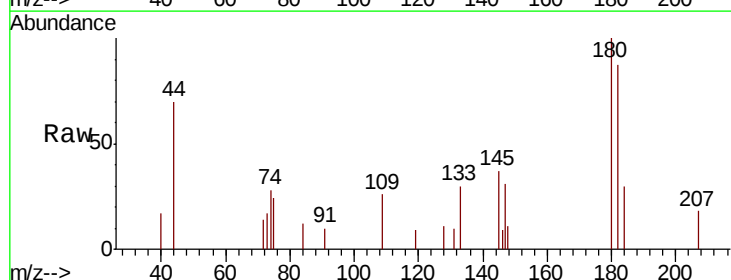
Tgt Ion:180 Resp: 1921

Ion Ratio Lower Upper

180 100

182 106.2 47.8 143.3

145 32.1 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

