

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071118\
 Data File : VU025313.D
 Acq On : 11 Jul 2018 14:38
 Operator : MD/SY
 Sample : J3898-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW218-180703

Quant Time: Jul 12 03:11:18 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	209538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	314909	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	291755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	147959	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	156055	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
35) Dibromofluoromethane	4.89	113	124764	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	
50) Toluene-d8	7.57	98	454034	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	10.31	95	167345	45.69	ug/l	0.00
Spiked Amount			Recovery	=	91.38%	

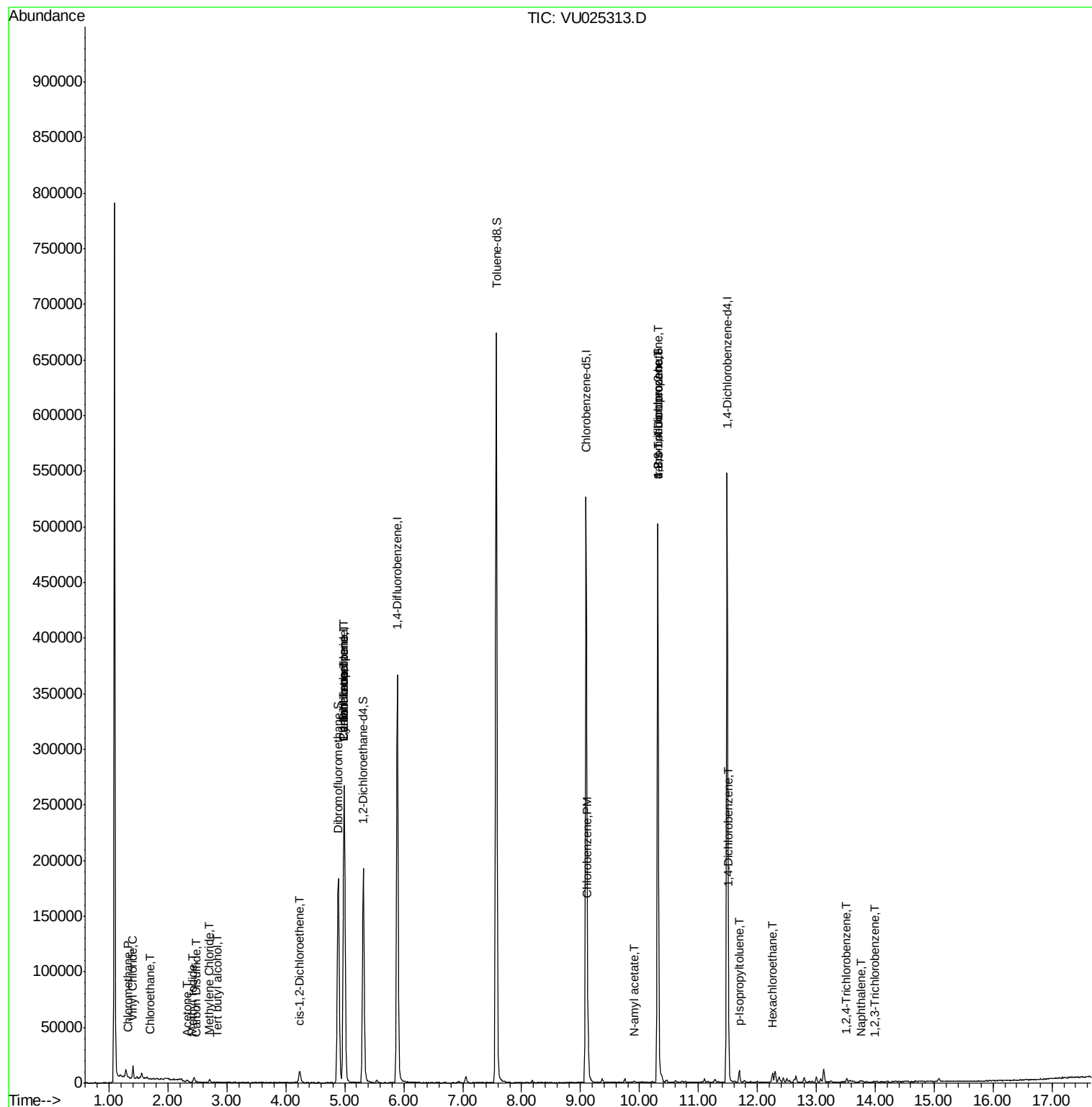
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	510	0.80	ug/l	96
4) Vinyl Chloride	1.40	62	6371	2.67	ug/l	96
5) Bromomethane	1.63	94	659	Below Cal		81
6) Chloroethane	1.70	64	134	0.38	ug/l #	43
10) Methyl Iodide	2.41	142	285	7.80	ug/l #	88
11) Tert butyl alcohol	2.83	59	455	0.64	ug/l #	73
16) Acetone	2.33	43	2193	6.16	ug/l	97
17) Carbon Disulfide	2.49	76	553	2.02	ug/l #	74
20) Methylene Chloride	2.70	84	691	0.96	ug/l	93
27) cis-1,2-Dichloroethene	4.24	96	5997	2.14	ug/l	93
31) Cyclohexane	4.99	56	4103	1.73	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	15575	4.45	ug/l #	50
38) Carbon Tetrachloride	4.99	117	19470	5.17	ug/l #	17
65) Chlorobenzene	9.12	112	25495	3.50	ug/l	99
74) N-amyl acetate	9.92	43	76	1.28	ug/l #	18
76) 1,2,3-Trichloropropane	10.31	75	85610	28.42	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	85610	72.63	ug/l #	100
86) p-Isopropyltoluene	11.69	119	6248	0.62	ug/l	93
88) 1,4-Dichlorobenzene	11.52	146	836	1.64	ug/l #	72
90) Hexachloroethane	12.25	117	400	0.24	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.51	180	73	3.30	ug/l #	1
95) Naphthalene	13.76	128	1464	2.54	ug/l #	88
96) 1,2,3-Trichlorobenzene	14.00	180	186	2.58	ug/l #	1

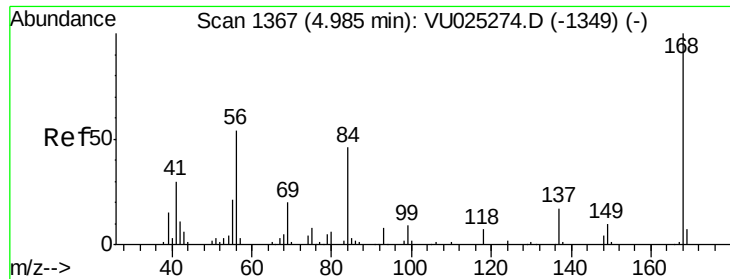
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071118\
Data File : VU025313.D
Acq On : 11 Jul 2018 14:38
Operator : MD/SY
Sample : J3898-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SS037MW218-180703

Quant Time: Jul 12 03:11:18 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 10 09:34:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025313.D

Acq: 11 Jul 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

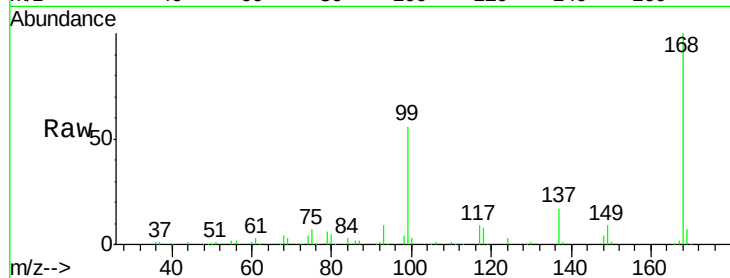
SS037MW218-180703

Tot Ion:168 Resp: 209538

Ion Ratio Lower Upper

168 100

99 55.6 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

100000

80000

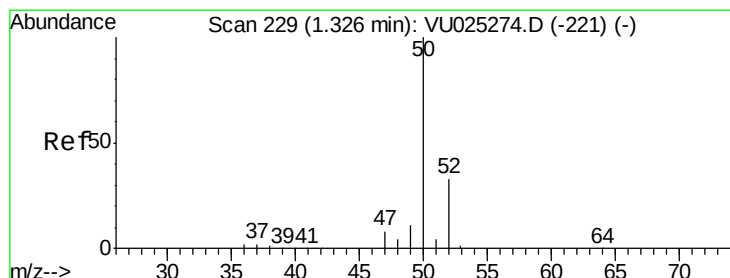
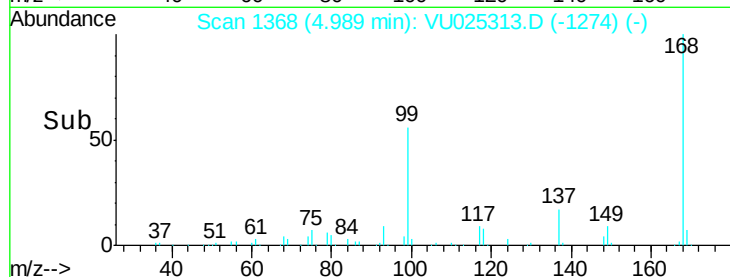
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.80 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025313.D

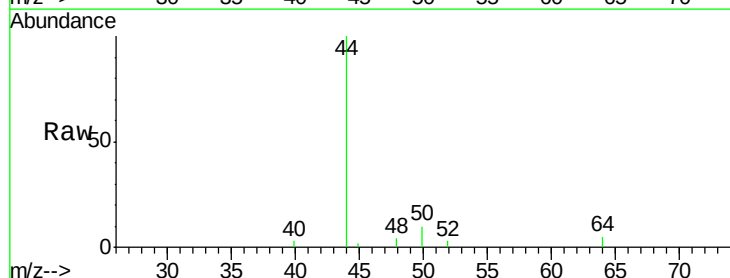
Acq: 11 Jul 2018 14:38

Tgt Ion: 50 Resp: 510

Ion Ratio Lower Upper

50 100

52 30.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU025274.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU025274.D (-221) (-)

1.33

500

400

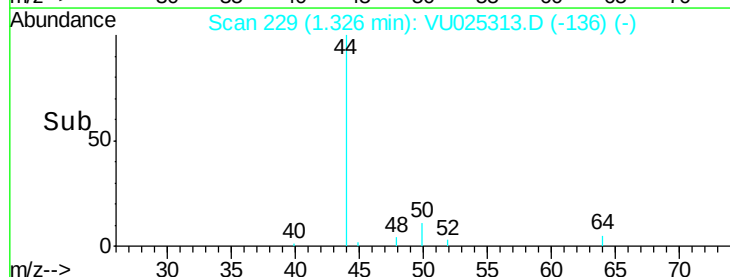
300

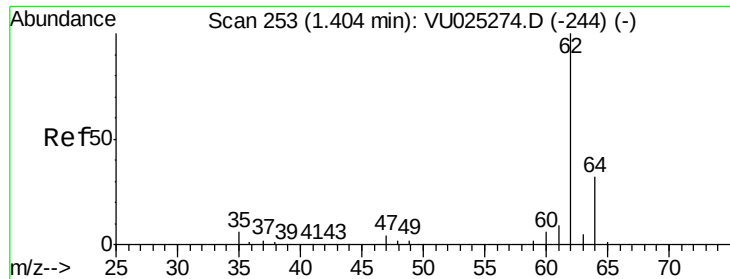
200

100

0

Time-->





#4

Vinyl Chloride

Concen: 2.67 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025313.D

Acq: 11 Jul 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

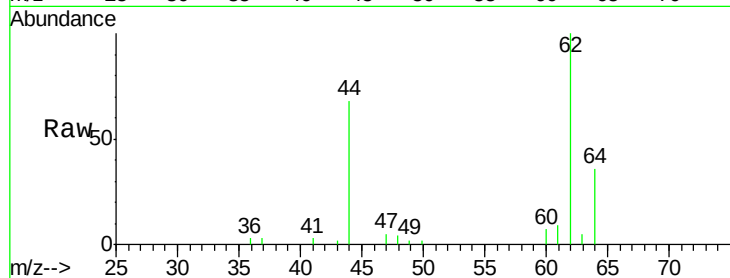
SS037MW218-180703

Tot Ion: 62 Resp: 6371

Ion Ratio Lower Upper

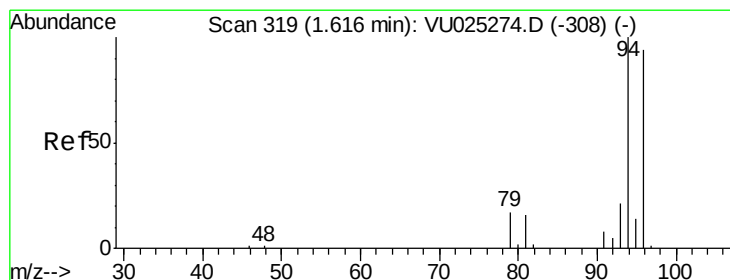
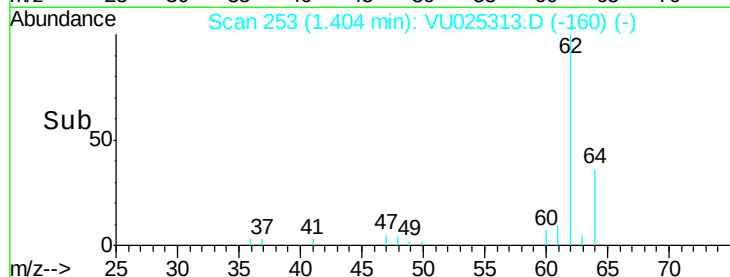
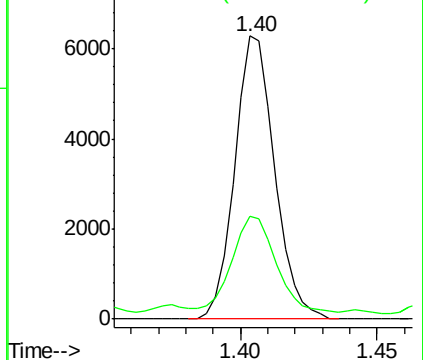
62 100

64 33.8 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025313.D

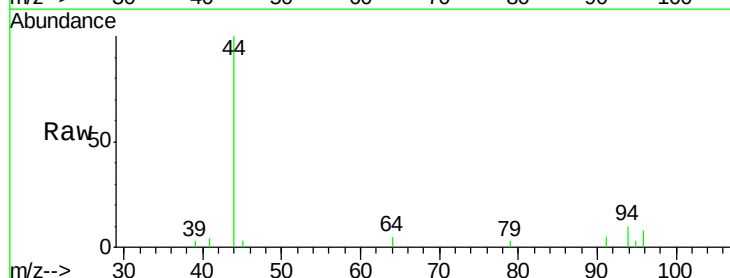
Acq: 11 Jul 2018 14:38

Tgt Ion: 94 Resp: 659

Ion Ratio Lower Upper

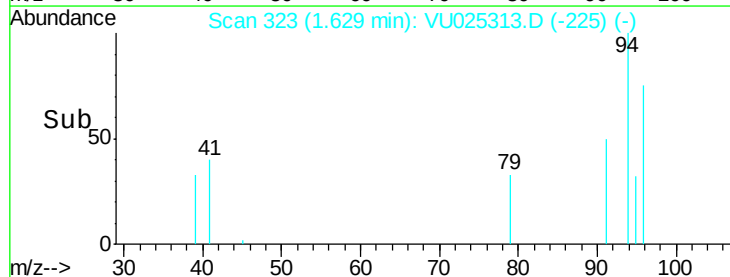
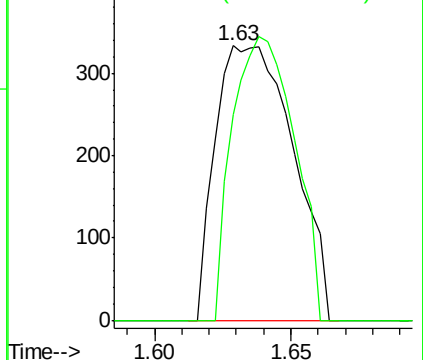
94 100

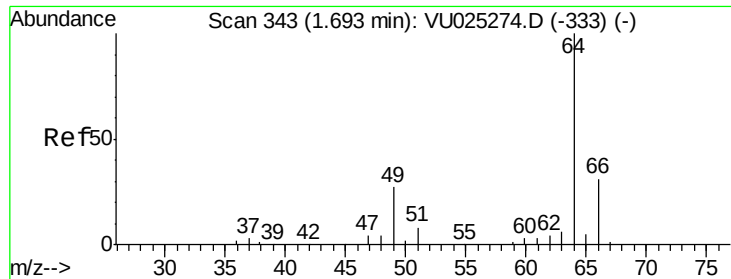
96 75.1 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0





#6

Chloroethane

Concen: 0.38 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025313.D

Acq: 11 Jul 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

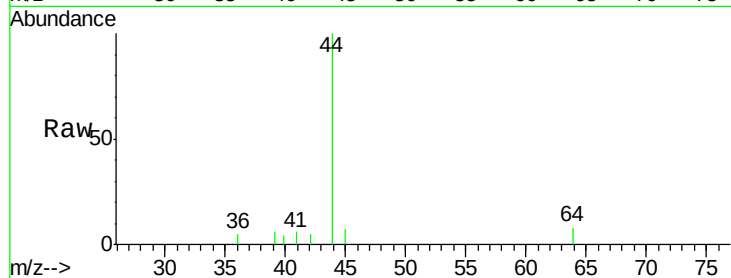
SS037MW218-180703

Tot Ion: 64 Resp: 134

Ion Ratio Lower Upper

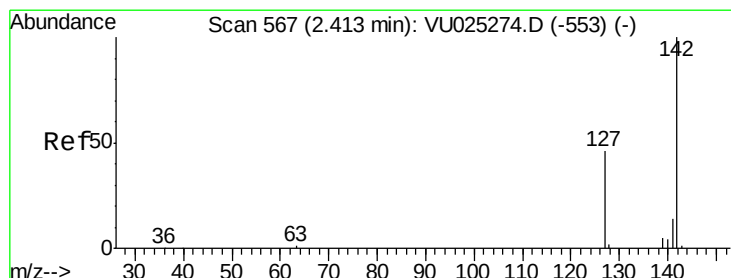
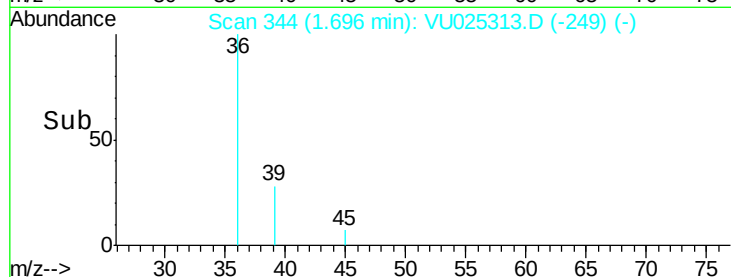
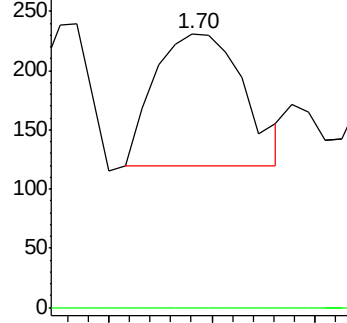
64 100

66 0.0 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



#10

Methyl Iodide

Concen: 7.80 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025313.D

Acq: 11 Jul 2018 14:38

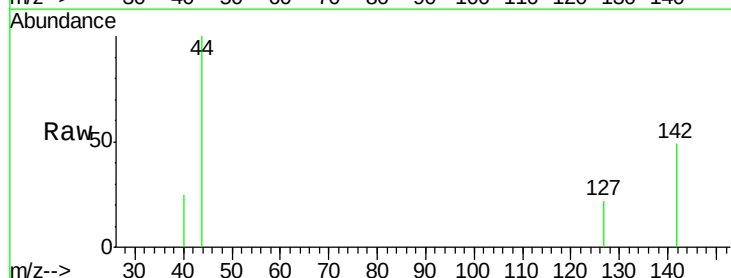
Tgt Ion: 142 Resp: 285

Ion Ratio Lower Upper

142 100

127 48.8 36.5 54.7

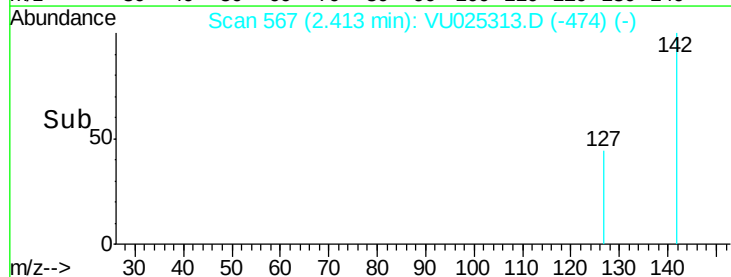
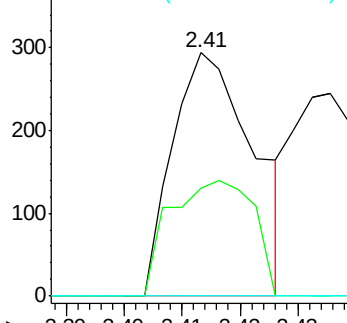
141 0.0 11.4 17.2#

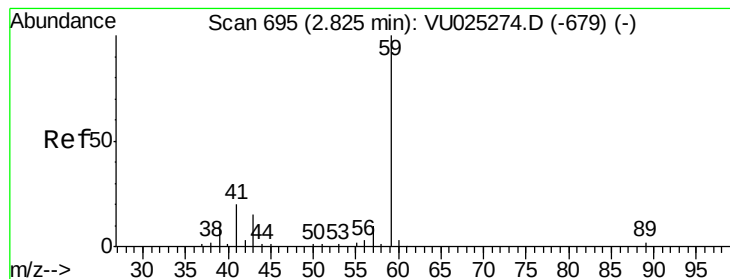


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



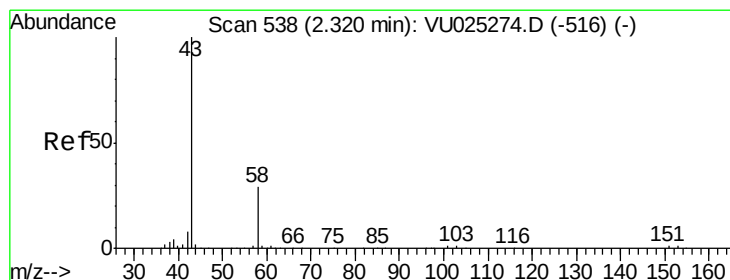
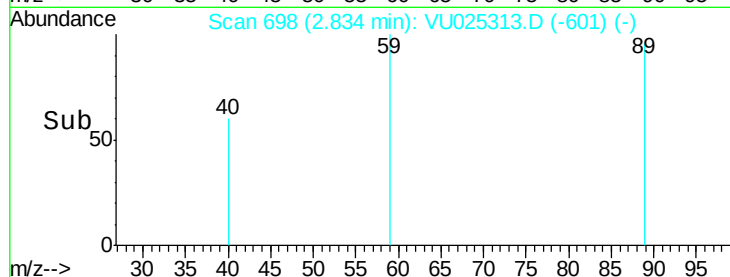
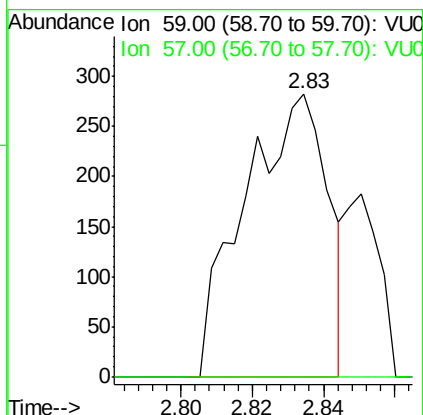
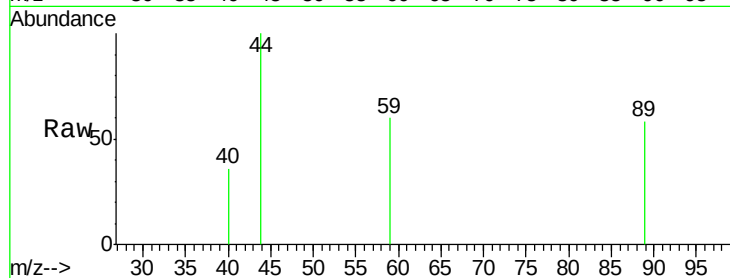


#11

Tert butyl alcohol
 Concen: 0.64 ug/l
 RT: 2.83 min Scan# 698
 Delta R.T. 0.01 min
 Lab File: VU025313.D
 Acq: 11 Jul 2018 14:38

Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW218-180703

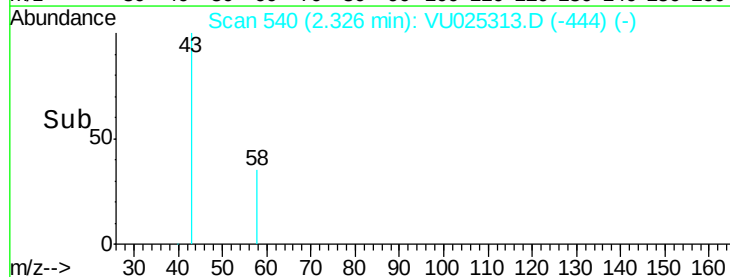
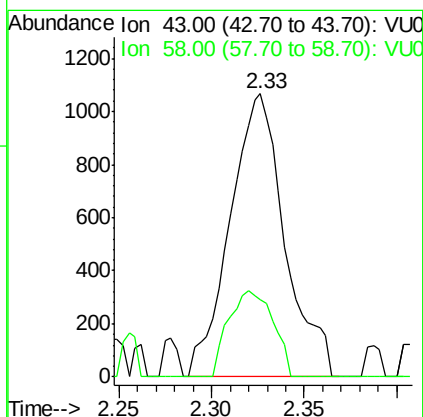
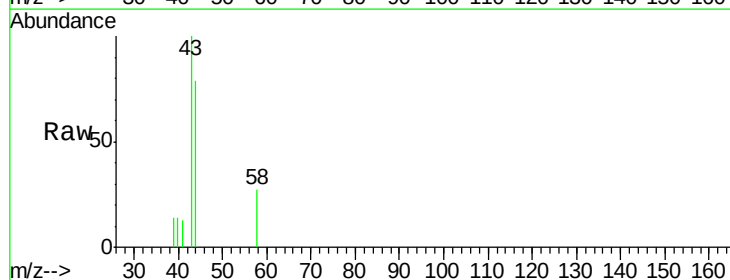
Tot Ion: 59 Resp: 455
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

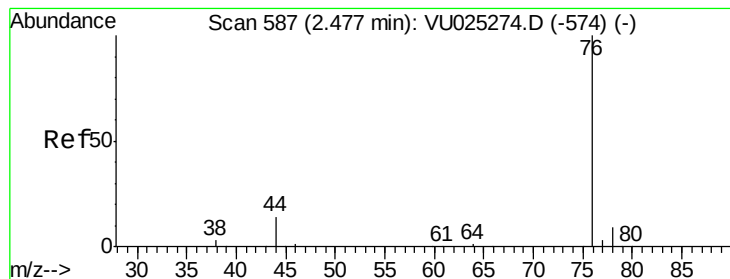


#16

Acetone
 Concen: 6.16 ug/l
 RT: 2.33 min Scan# 540
 Delta R.T. 0.01 min
 Lab File: VU025313.D
 Acq: 11 Jul 2018 14:38

Tgt Ion: 43 Resp: 2193
 Ion Ratio Lower Upper
 43 100
 58 27.2 23.1 34.7





#17

Carbon Disulfide

Concen: 2.02 ug/l

RT: 2.49 min Scan# 590

Delta R.T. 0.01 min

Lab File: VU025313.D

Acq: 11 Jul 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

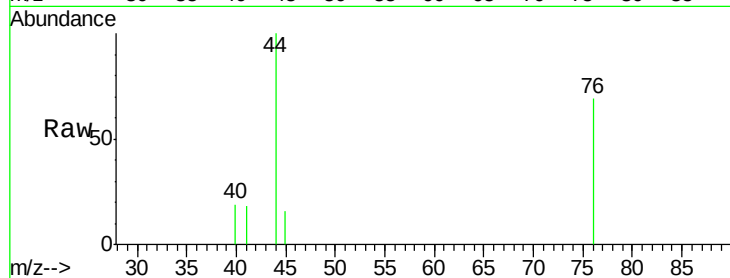
SS037MW218-180703

Tot Ion: 76 Resp: 553

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.49

500

400

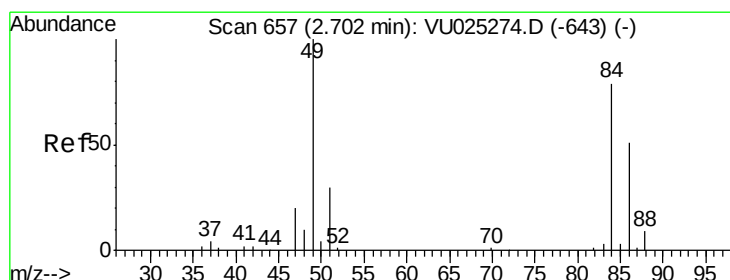
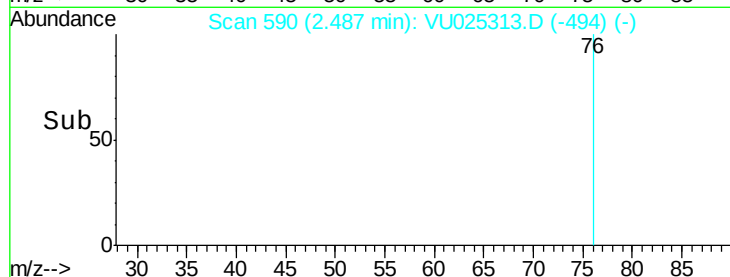
300

200

100

0

Time--> 2.44 2.46 2.48 2.50 2.52



#20

Methylene Chloride

Concen: 0.96 ug/l

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU025313.D

Acq: 11 Jul 2018 14:38

Tgt Ion: 84 Resp: 691

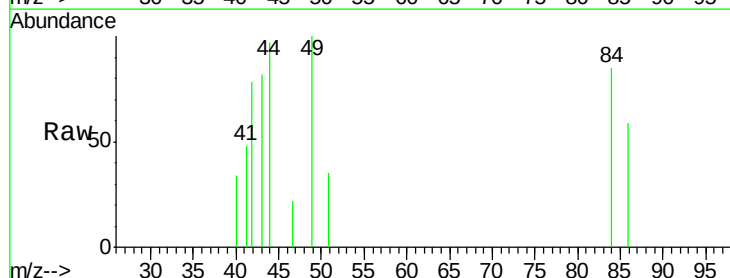
Ion Ratio Lower Upper

84 100

49 118.3 101.8 152.6

51 41.6 30.8 46.2

86 69.8 51.9 77.9



Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0

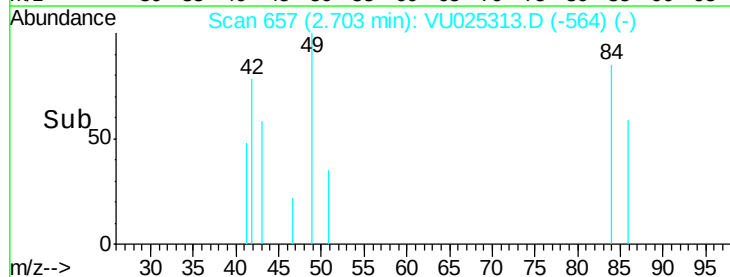
600

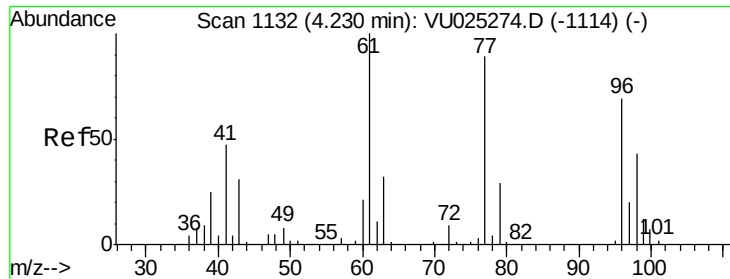
400

200

0

Time--> 2.66 2.68 2.70 2.72 2.74





#27

cis-1,2-Dichloroethene

Concen: 2.14 ug/l

RT: 4.24 min Scan# 1134

Delta R.T. 0.01 min

Lab File: VU025313.D

Acq: 11 Jul 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

SS037MW218-180703

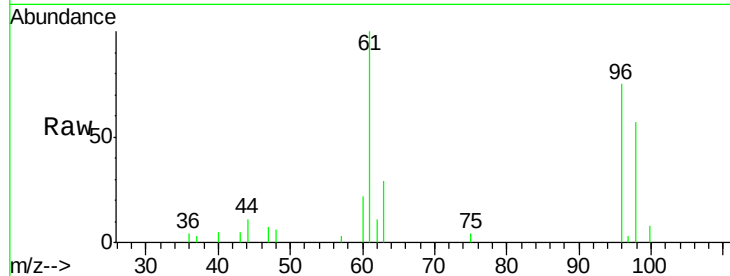
Tot Ion: 96 Resp: 5997

Ion Ratio Lower Upper

96 100

61 139.2 0.0 299.8

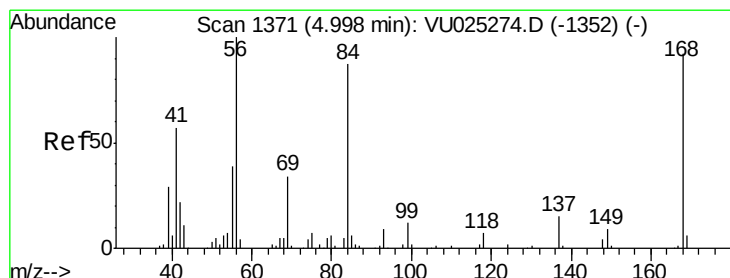
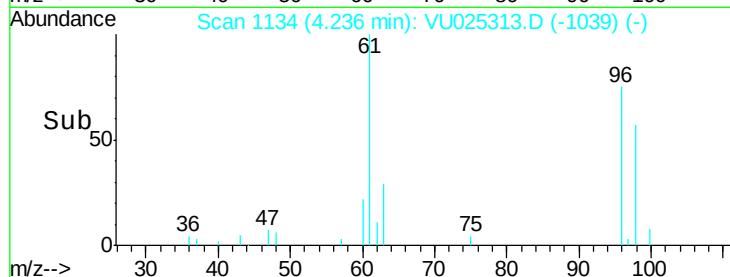
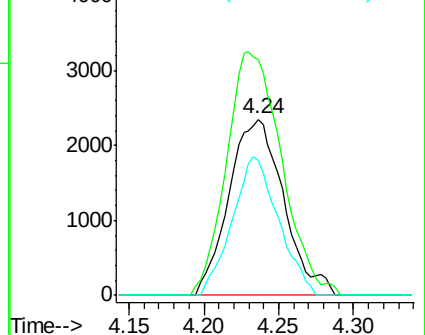
98 66.4 0.0 128.6



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



#31

Cyclohexane

Concen: 1.73 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. -0.01 min

Lab File: VU025313.D

Acq: 11 Jul 2018 14:38

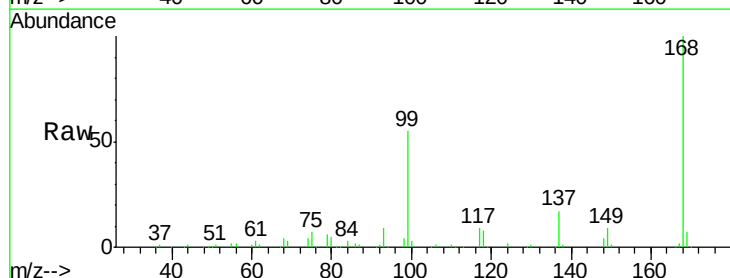
Tgt Ion: 56 Resp: 4103

Ion Ratio Lower Upper

56 100

69 170.6 26.8 40.2#

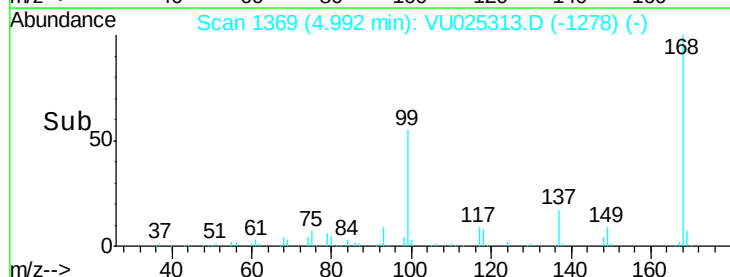
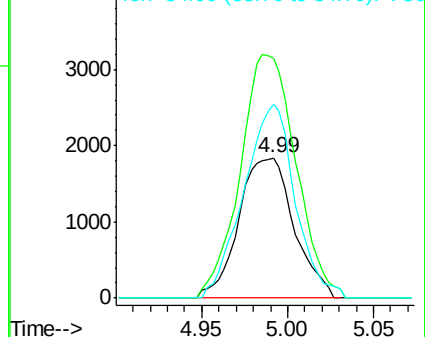
84 137.9 69.7 104.5#

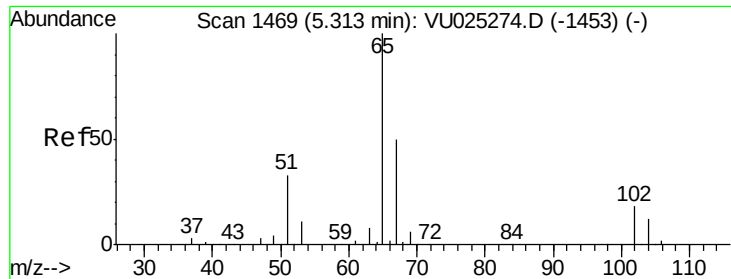


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

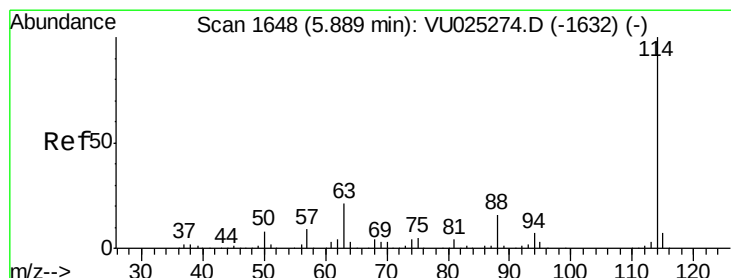
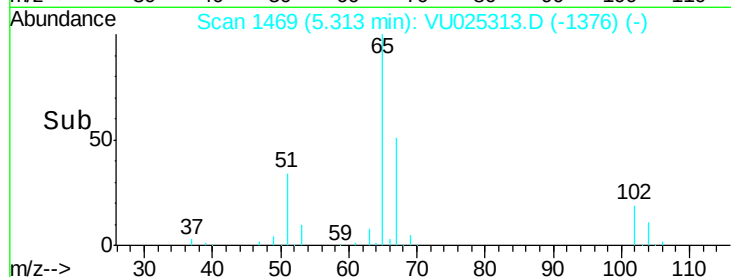
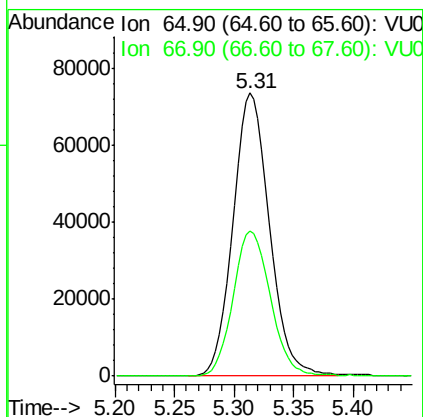
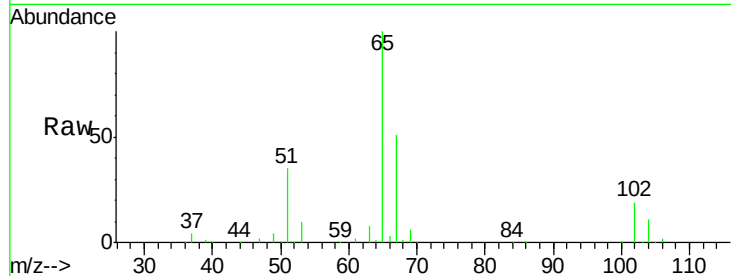




#33
 1,2-Dichloroethane-d4
 Concen: 47.94 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025313.D
 Acq: 11 Jul 2018 14:38

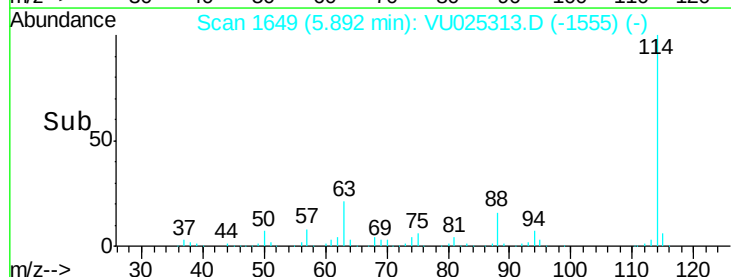
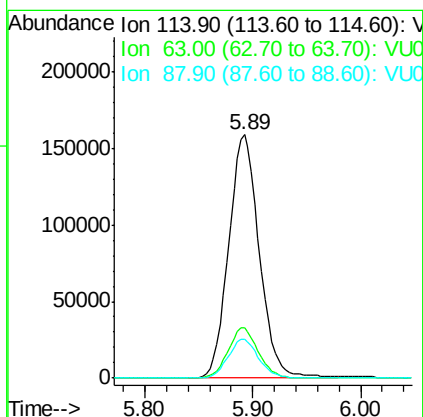
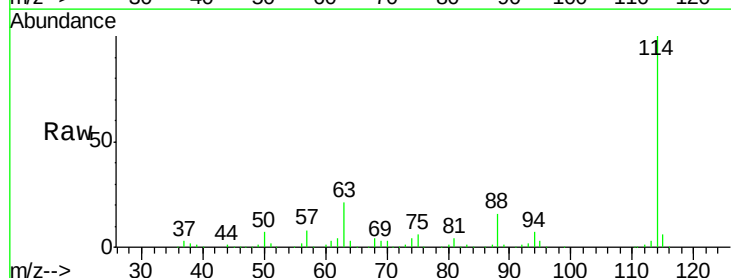
Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW218-180703

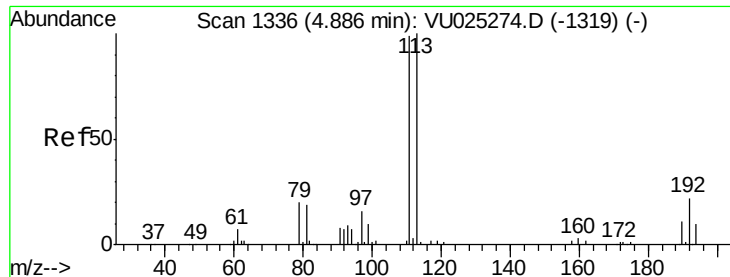
Tot Ion: 65 Resp: 156055
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025313.D
 Acq: 11 Jul 2018 14:38

Tgt Ion: 114 Resp: 314909
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.6
 88 16.1 0.0 32.4

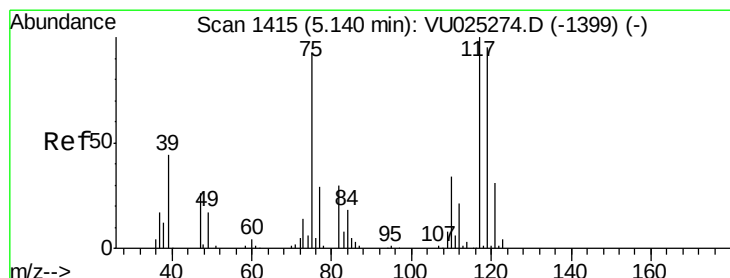
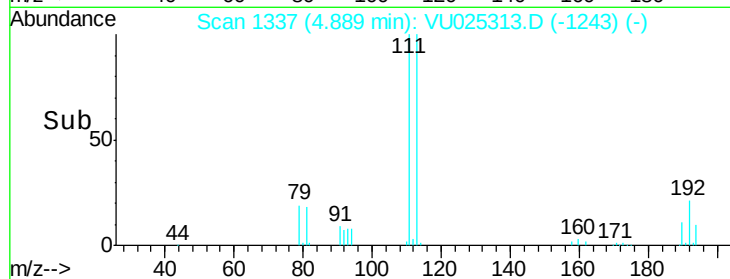
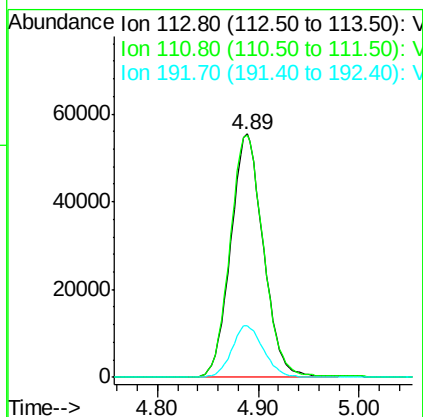
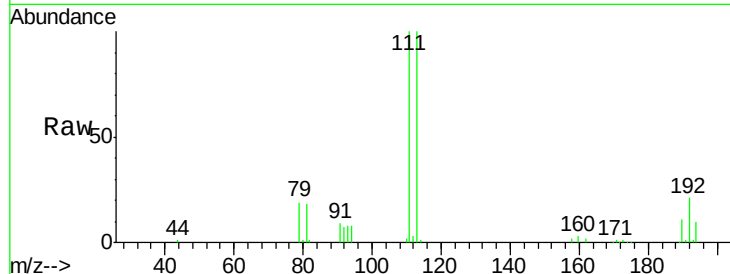




#35
 Dibromofluoromethane
 Concen: 46.96 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025313.D
 Acq: 11 Jul 2018 14:38

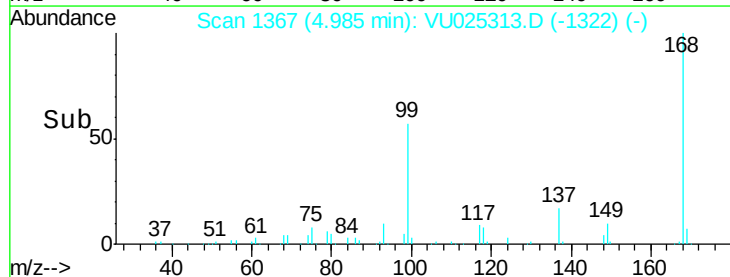
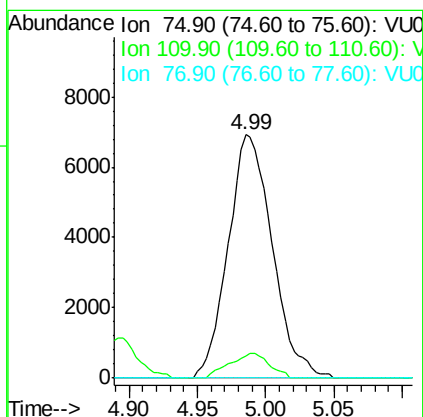
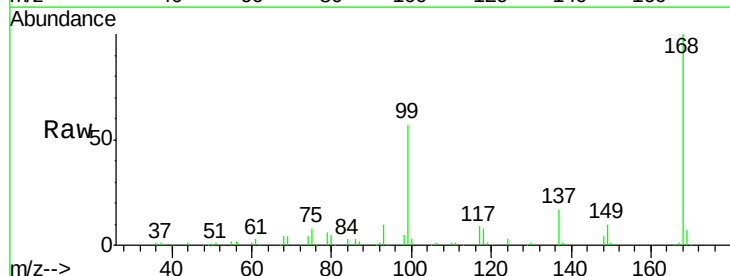
Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW218-180703

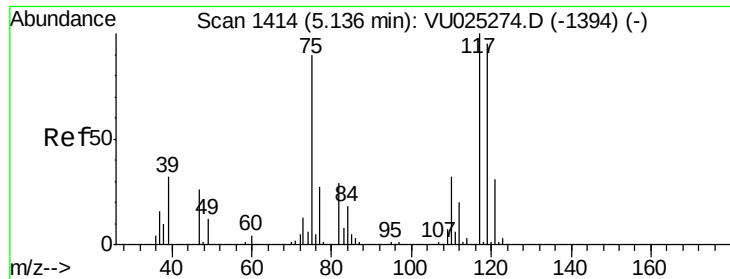
Tot Ion:113 Resp: 124764
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.7 122.5
 192 20.7 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.45 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025313.D
 Acq: 11 Jul 2018 14:38

Tgt Ion: 75 Resp: 15575
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.6 52.9#
 77 0.0 24.4 36.6#

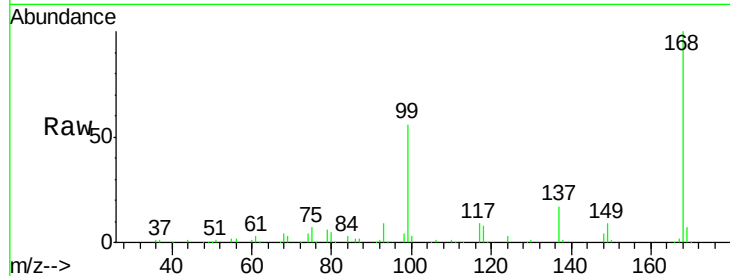




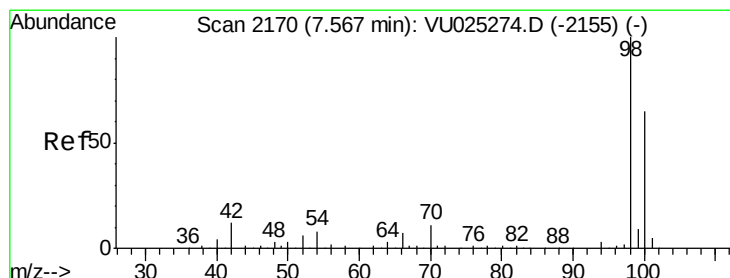
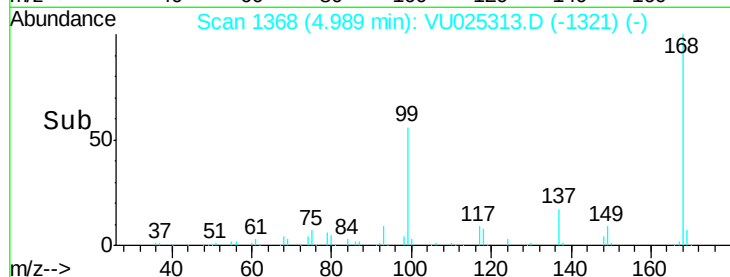
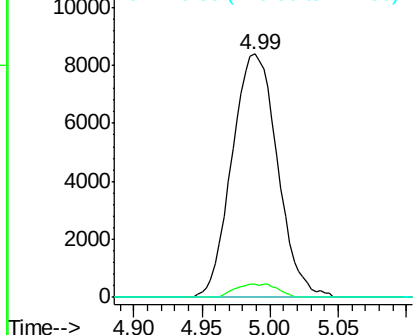
#38
Carbon Tetrachloride
Concen: 5.17 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.15 min
Lab File: VU025313.D
Acq: 11 Jul 2018 14:38

Instrument :
MSVOA_U
ClientSampleId :
SS037MW218-180703

Tot Ion:117 Resp: 19470
Ion Ratio Lower Upper
117 100
119 5.3 75.7 113.5#
121 0.0 24.6 36.8#

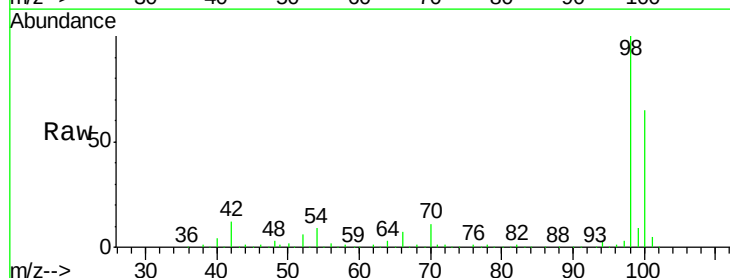


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

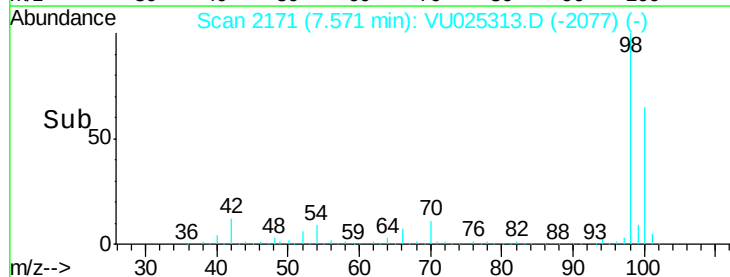
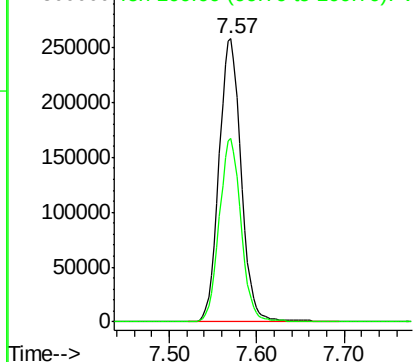


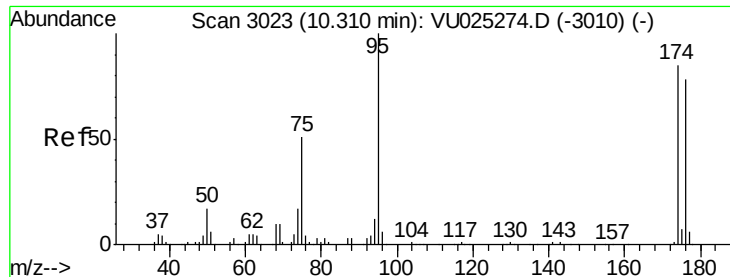
#50
Toluene-d8
Concen: 49.91 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025313.D
Acq: 11 Jul 2018 14:38

Tgt Ion: 98 Resp: 454034
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU

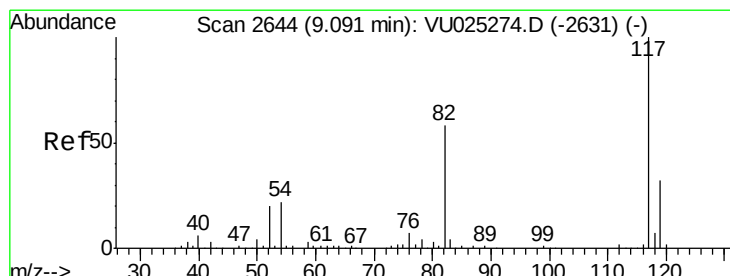
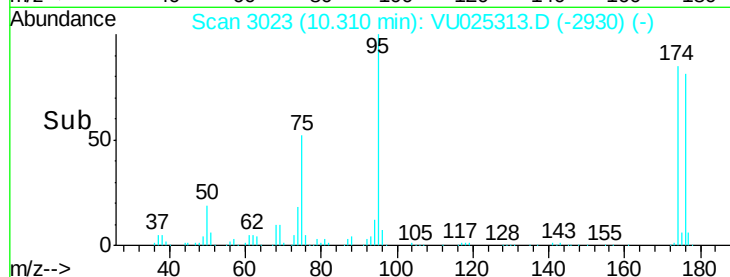
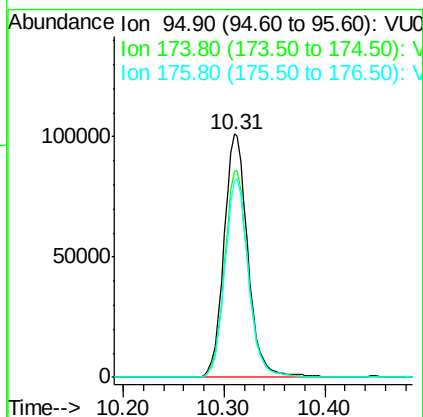
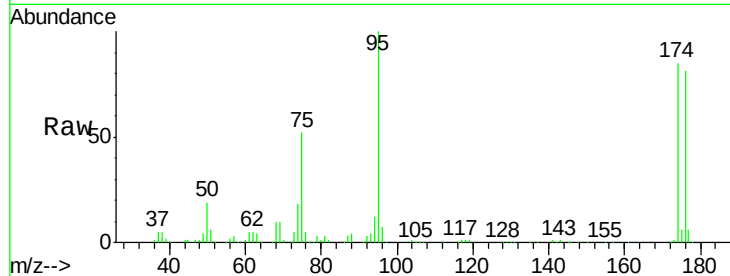




#62
 4-Bromofluorobenzene
 Concen: 45.69 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025313.D
 Acq: 11 Jul 2018 14:38

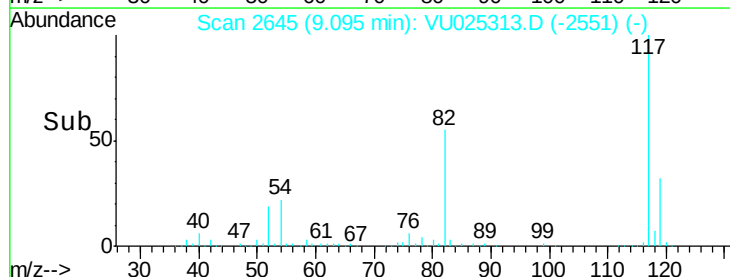
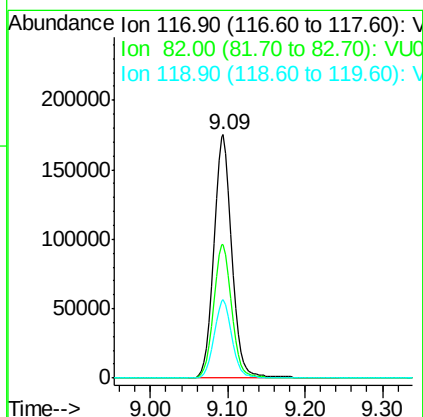
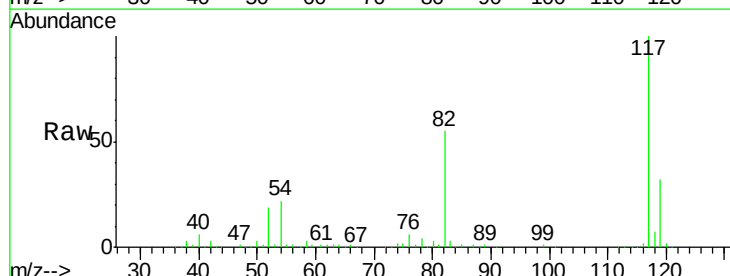
Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW218-180703

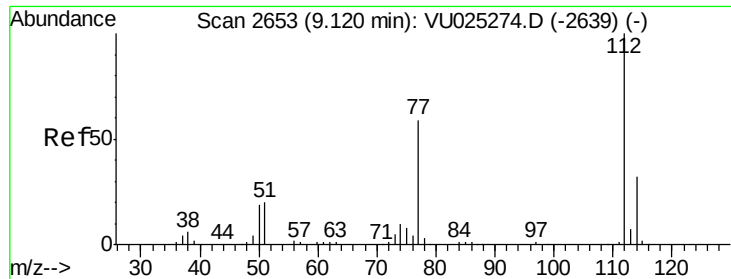
Tot Ion: 95 Resp: 167345
 Ion Ratio Lower Upper
 95 100
 174 84.5 0.0 172.2
 176 80.6 0.0 162.6



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU025313.D
 Acq: 11 Jul 2018 14:38

Tgt Ion: 117 Resp: 291755
 Ion Ratio Lower Upper
 117 100
 82 54.9 46.0 69.0
 119 32.3 26.0 39.0

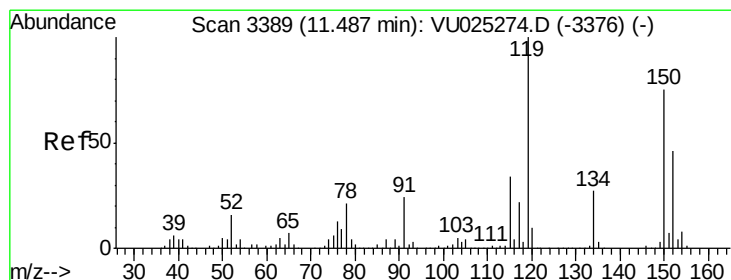
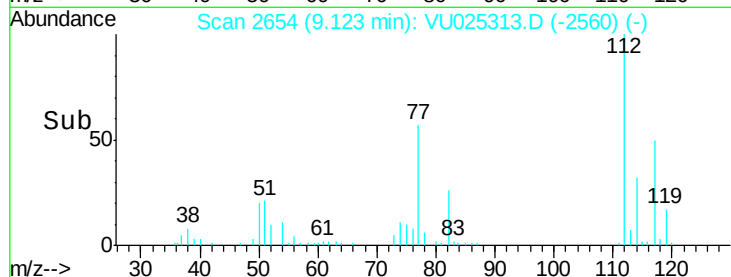
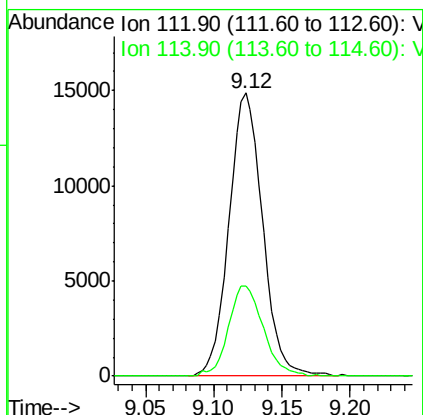
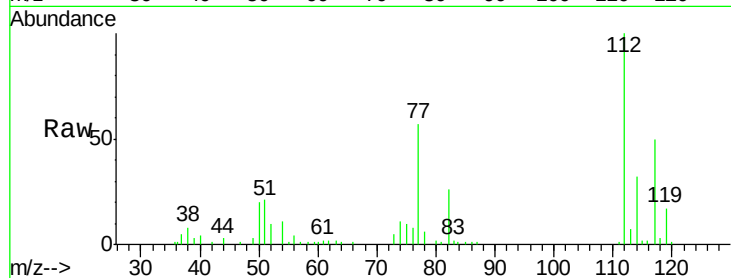




#65
Chlorobenzene
Concen: 3.50 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025313.D
Acq: 11 Jul 2018 14:38

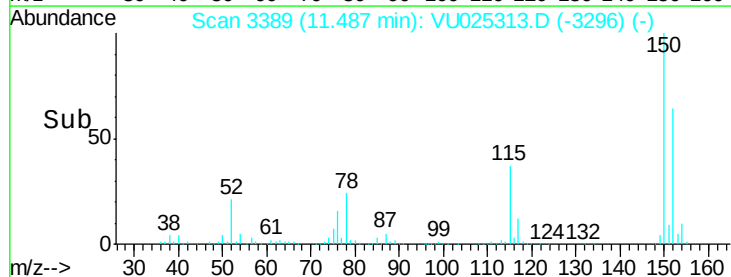
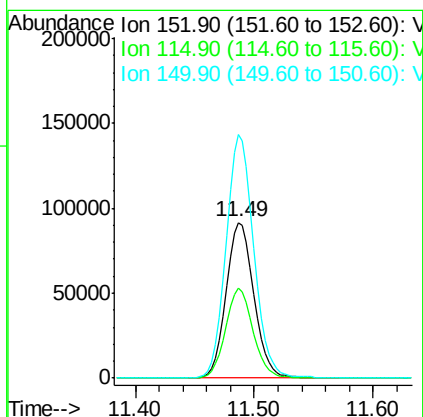
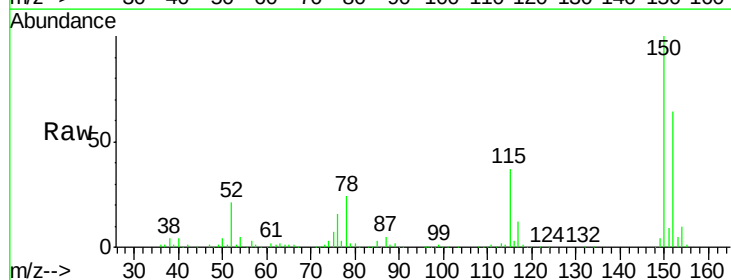
Instrument :
MSVOA_U
ClientSampleId :
SS037MW218-180703

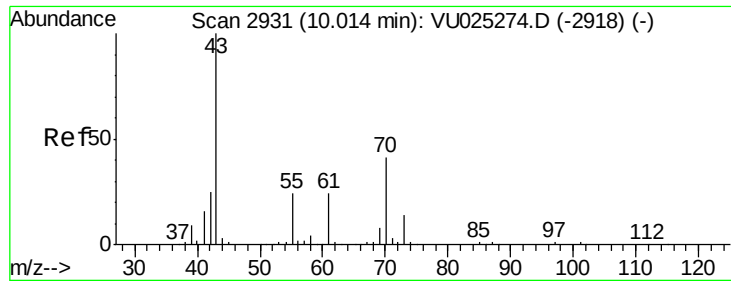
Tot Ion:112 Resp: 25495
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025313.D
Acq: 11 Jul 2018 14:38

Tgt Ion:152 Resp: 147959
Ion Ratio Lower Upper
152 100
115 57.2 40.1 120.3
150 156.2 0.0 351.4





#74

N-amvl acetate

Concen: 1.28 ug/l

RT: 9.92 min Scan# 2901

Delta R.T. -0.10 min

Lab File: VU025313.D

Acq: 11 Jul 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

SS037MW218-180703

Tot Ion: 43 Resp: 76

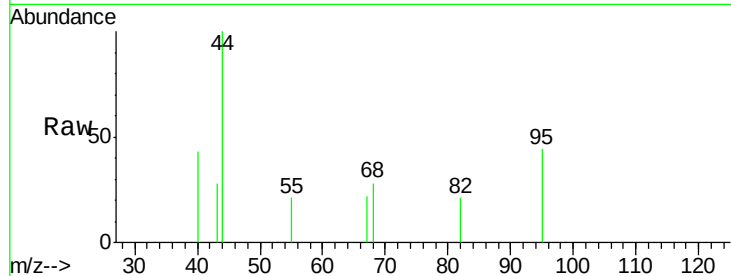
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.2#

55 93.4 19.0 28.6#

61 0.0 19.3 28.9#

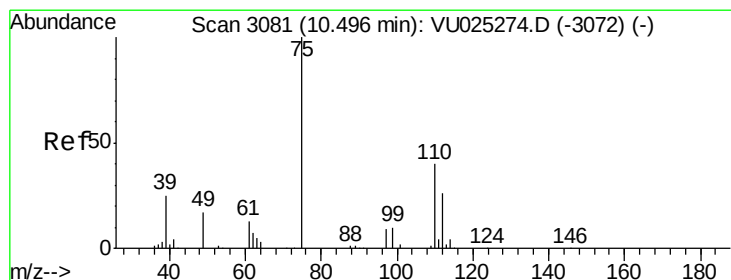
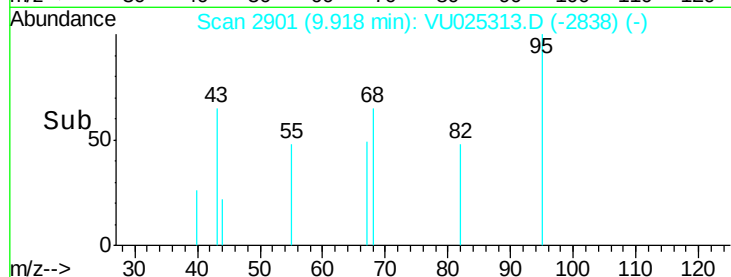
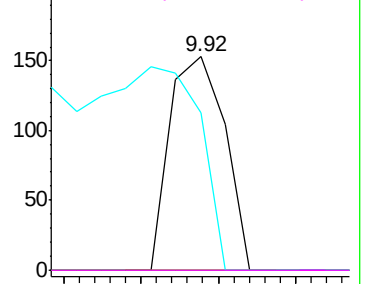


Abundance Ion 43.00 (42.70 to 43.70): VU0

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



#76

1,2,3-Trichloropropane

Concen: 28.42 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025313.D

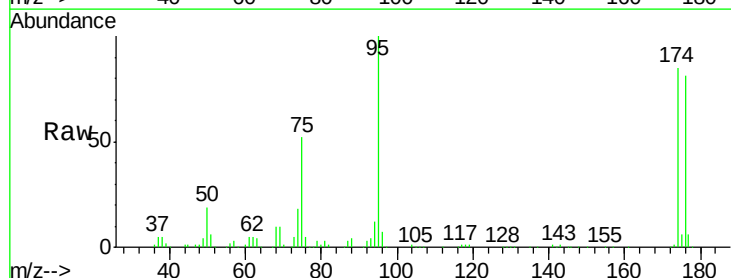
Acq: 11 Jul 2018 14:38

Tgt Ion: 75 Resp: 85610

Ion Ratio Lower Upper

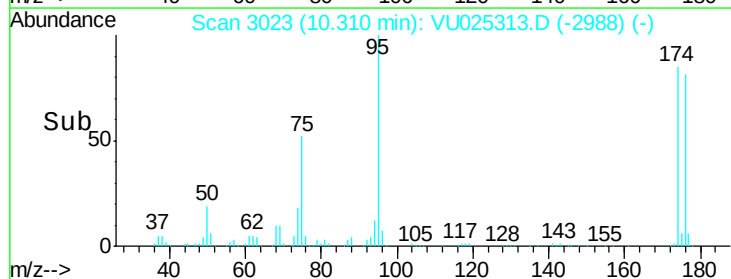
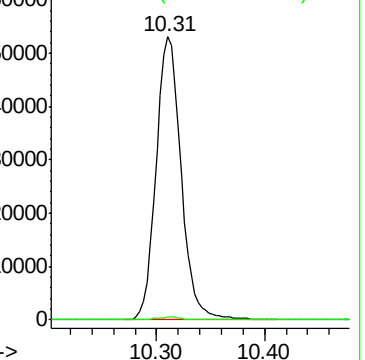
75 100

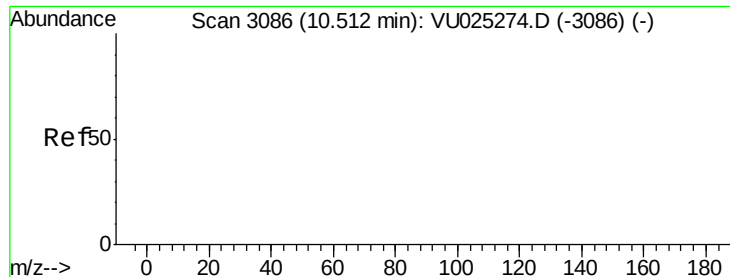
77 0.9 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 72.63 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025313.D

Acq: 11 Jul 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

SS037MW218-180703

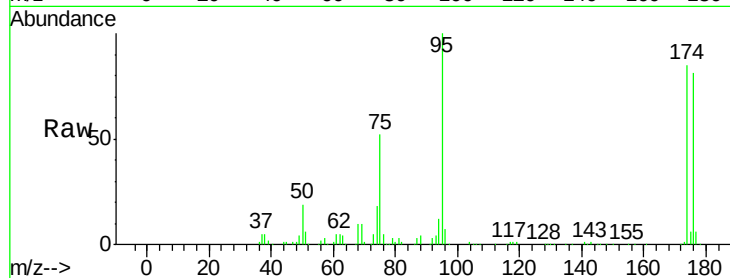
Tot Ion: 75 Resp: 85610

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

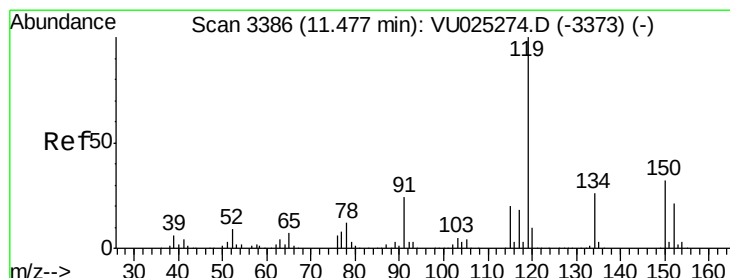
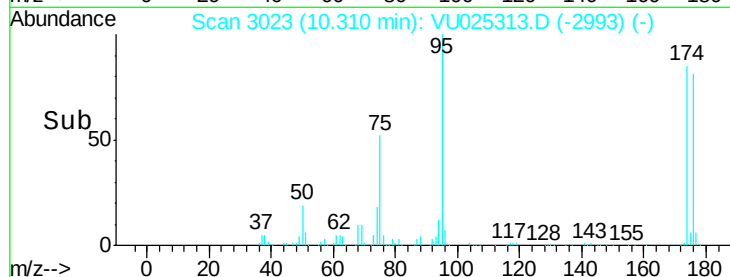
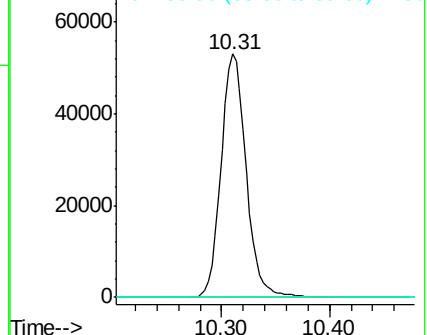
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU025274.D (-3086) (-)

Ion 53.00 (52.70 to 53.70): VU025274.D (-3086) (-)

Ion 88.90 (88.60 to 89.60): VU025274.D (-3086) (-)



#86

p-Isopropyltoluene

Concen: 0.62 ug/l

RT: 11.69 min Scan# 3453

Delta R.T. 0.22 min

Lab File: VU025313.D

Acq: 11 Jul 2018 14:38

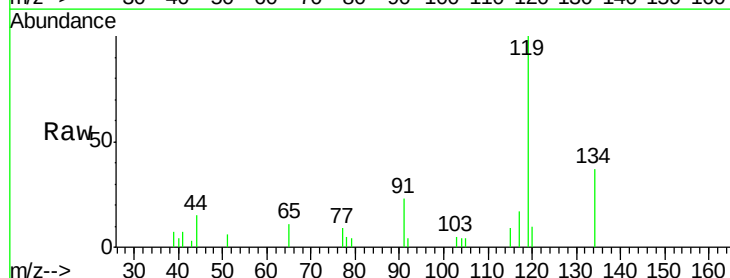
Tgt Ion: 119 Resp: 6248

Ion Ratio Lower Upper

119 100

134 31.1 13.2 39.5

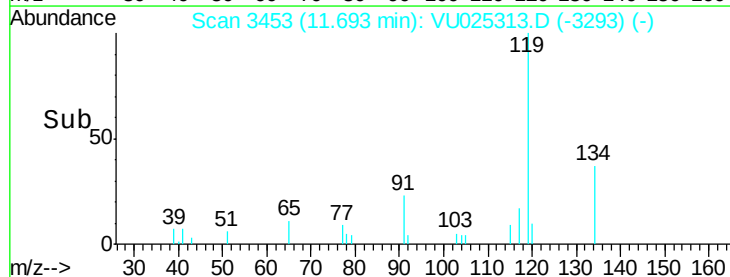
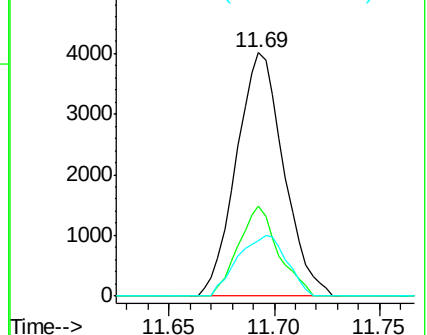
91 25.8 12.0 36.1

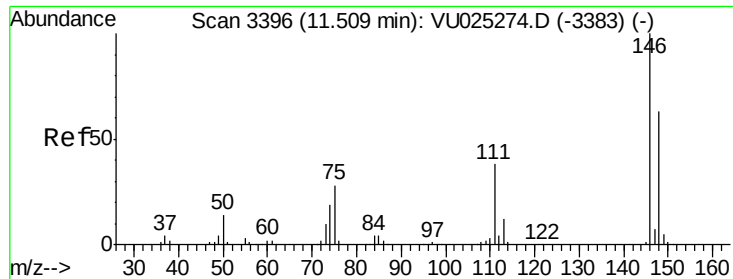


Abundance Ion 119.00 (118.70 to 119.70): VU025274.D (-3373) (-)

Ion 134.00 (133.70 to 134.70): VU025274.D (-3373) (-)

Ion 91.00 (90.70 to 91.70): VU025274.D (-3373) (-)

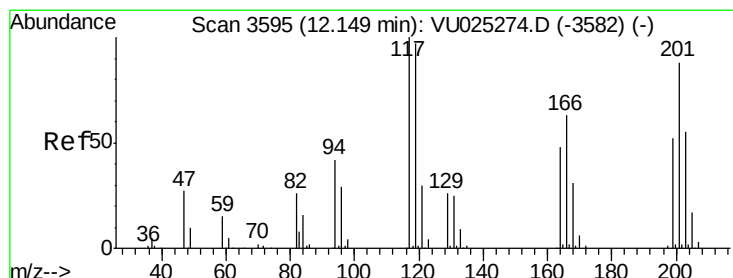
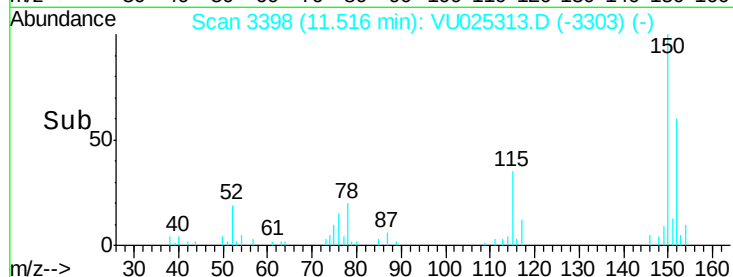
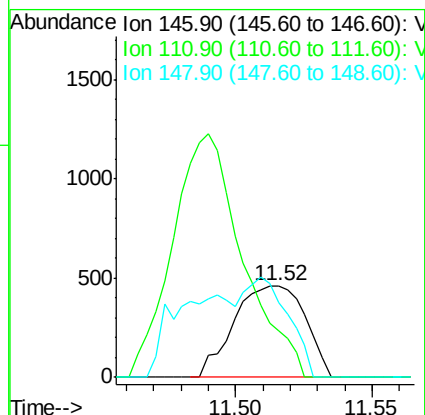
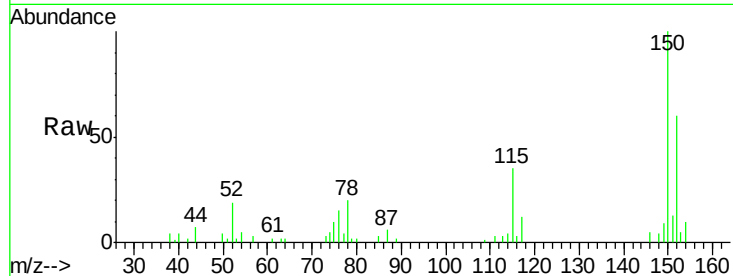




#88
 1,4-Dichlorobenzene
 Concen: 1.64 ug/l
 RT: 11.52 min Scan# 3398
 Delta R.T. 0.01 min
 Lab File: VU025313.D
 Acq: 11 Jul 2018 14:38

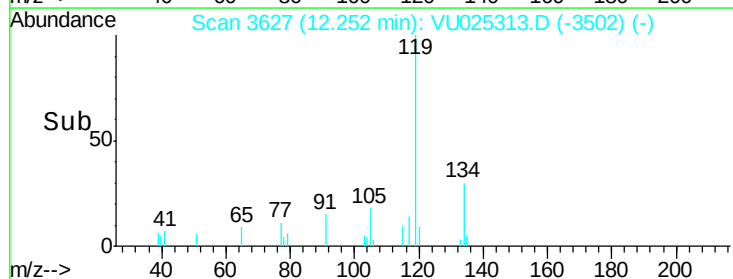
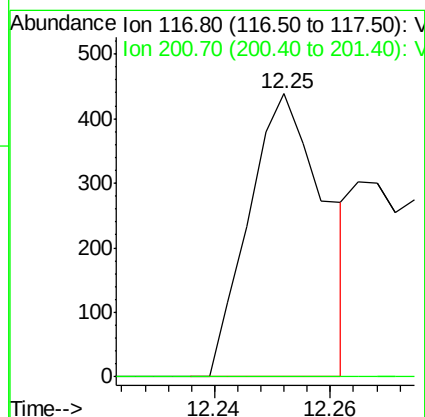
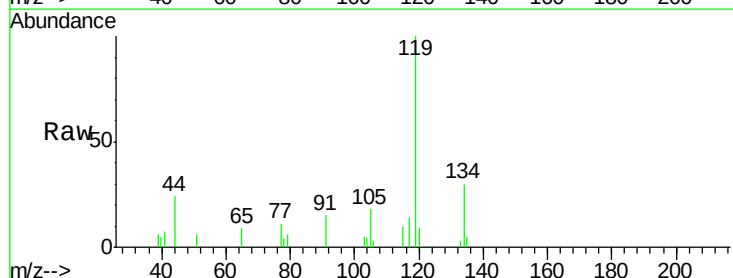
Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW218-180703

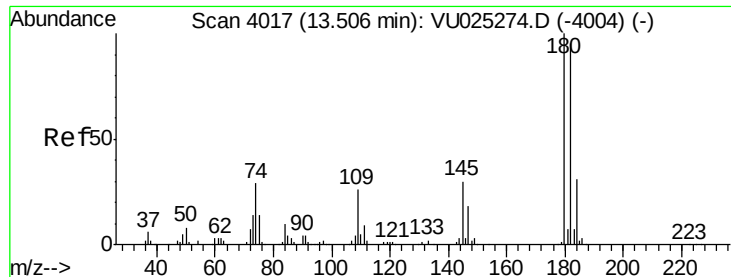
Tot Ion:146 Resp: 836
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.4 58.1#
 148 68.7 31.7 95.1



#90
 Hexachloroethane
 Concen: 0.24 ug/l
 RT: 12.25 min Scan# 3627
 Delta R.T. 0.10 min
 Lab File: VU025313.D
 Acq: 11 Jul 2018 14:38

Tgt Ion:117 Resp: 400
 Ion Ratio Lower Upper
 117 100
 201 0.0 42.5 127.6#

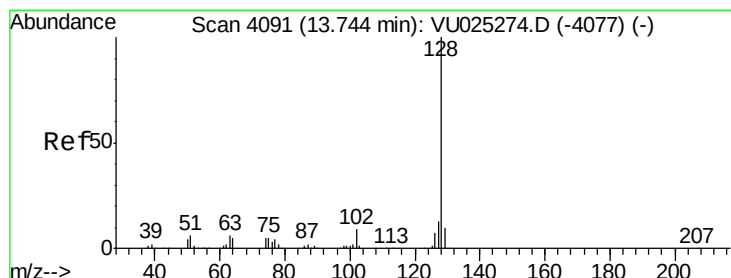
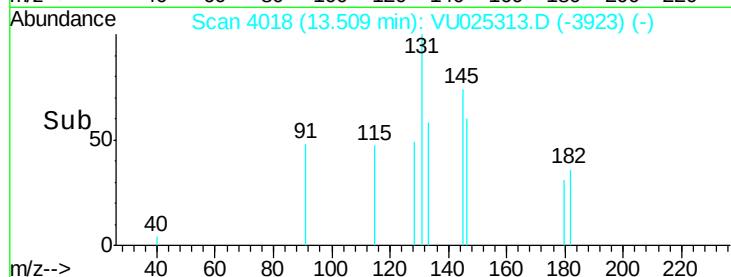
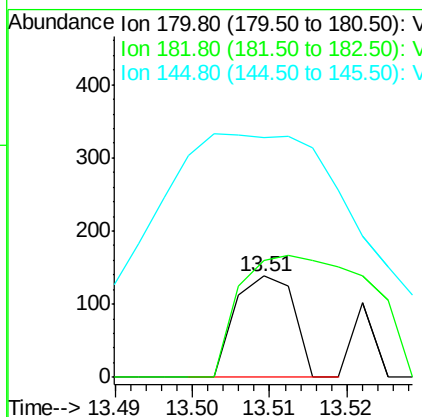
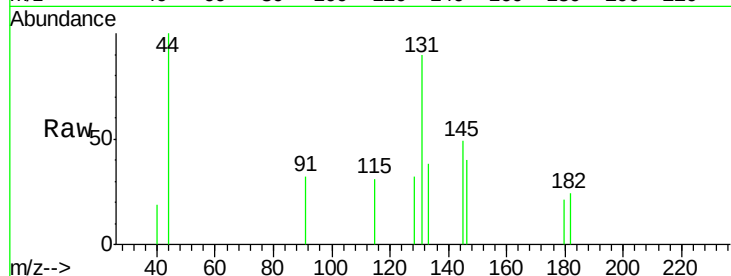




#93
 1,2,4-Trichlorobenzene
 Concen: 3.30 ug/l
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025313.D
 Acq: 11 Jul 2018 14:38

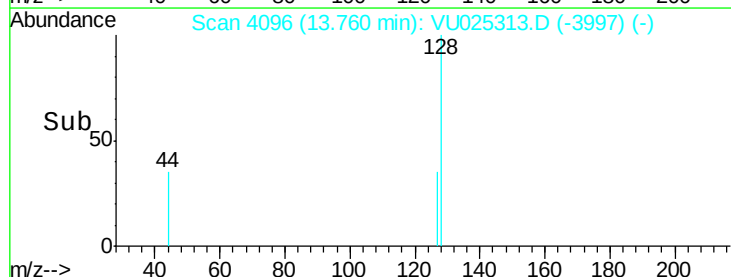
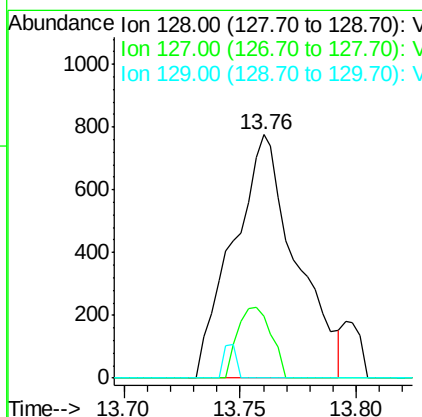
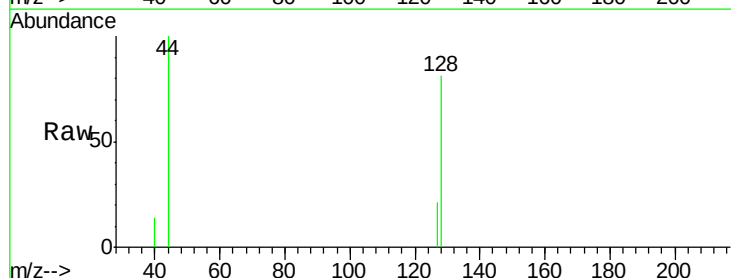
Instrument :
 MSVOA_U
 ClientSampleId :
 SS037MW218-180703

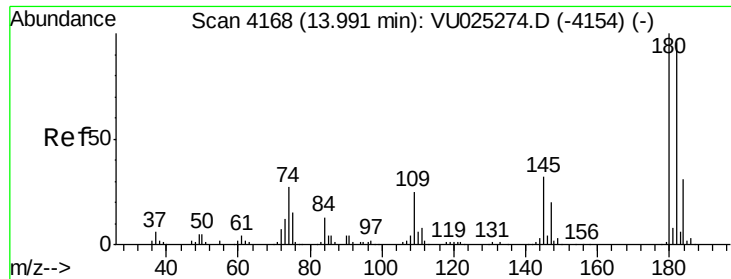
Tot Ion:180 Resp: 73
 Ion Ratio Lower Upper
 180 100
 182 265.8 47.3 141.9#
 145 846.6 14.9 44.7#



#95
 Naphthalene
 Concen: 2.54 ug/l
 RT: 13.76 min Scan# 4096
 Delta R.T. 0.02 min
 Lab File: VU025313.D
 Acq: 11 Jul 2018 14:38

Tgt Ion:128 Resp: 1464
 Ion Ratio Lower Upper
 128 100
 127 15.5 10.5 15.7
 129 2.8 8.3 12.5#





#96

1,2,3-Trichlorobenzene

Concen: 2.58 ug/l

RT: 14.00 min Scan# 4170

Delta R.T. 0.01 min

Lab File: VU025313.D

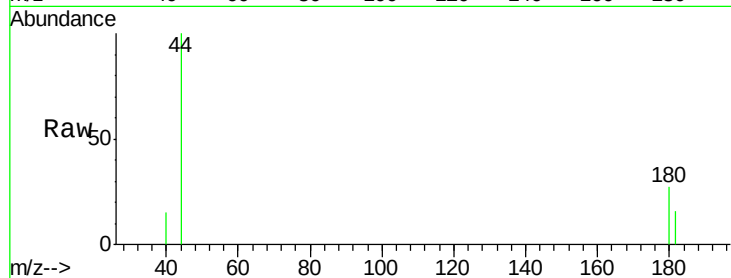
Acq: 11 Jul 2018 14:38

Instrument :

MSVOA_U

ClientSampleId :

SS037MW218-180703



Tot Ion:180 Resp: 186

Ion Ratio Lower Upper

180 100

182 87.6 47.8 143.3

145 279.0 15.6 46.8#

