

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070318\
 Data File : VU025193.D
 Acq On : 03 Jul 2018 16:06
 Operator : MD/SY
 Sample : J3783-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 04 04:59:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	203120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	302970	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	280585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	141412	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	153374	46.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.50%	
35) Dibromofluoromethane	4.89	113	118373	47.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.16%	
50) Toluene-d8	7.57	98	433193	47.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.46%	
62) 4-Bromofluorobenzene	10.31	95	157926	43.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.74%	

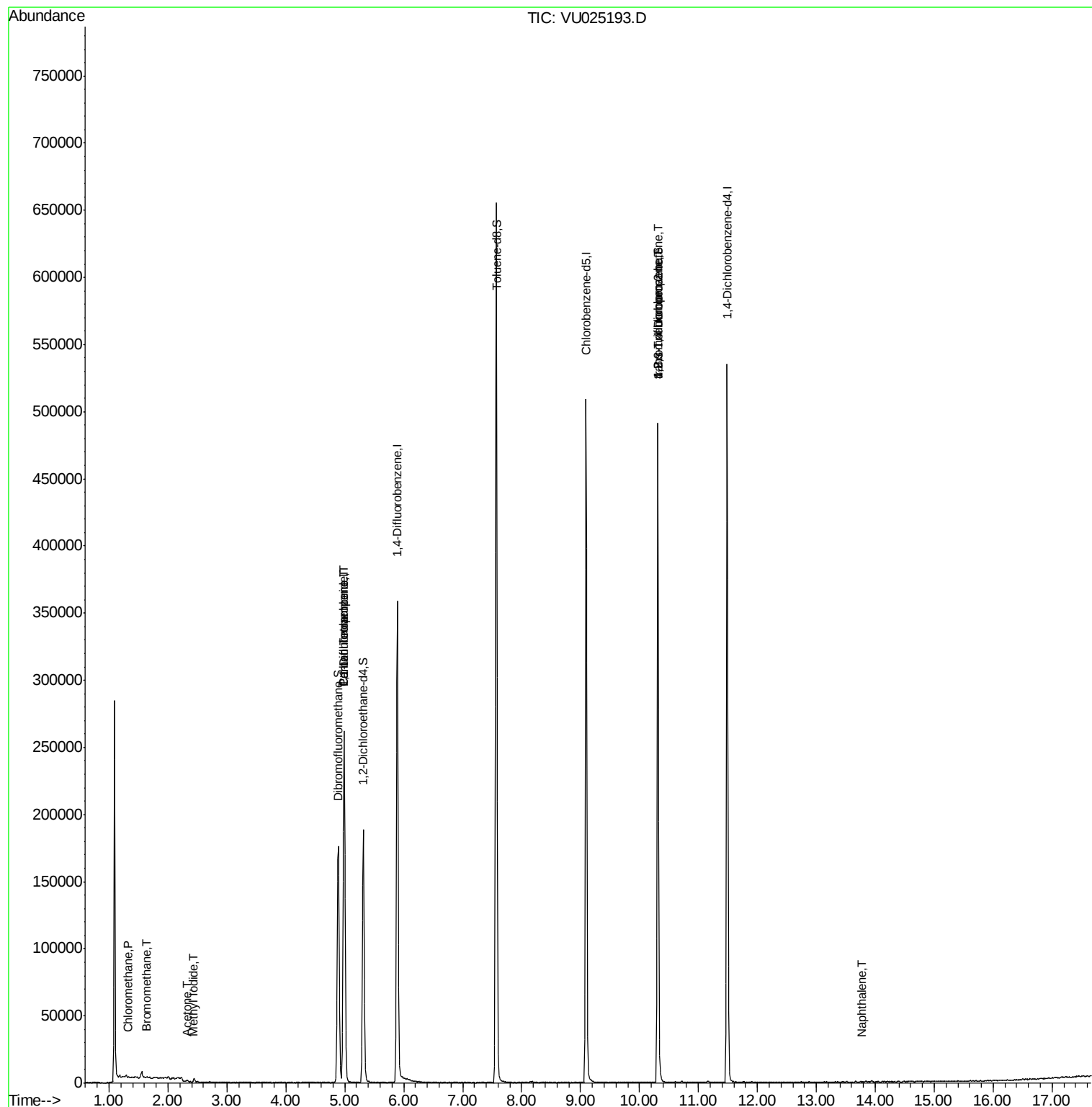
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	563	0.217	ug/l #	81
5) Bromomethane	1.64	94	360	0.278	ug/l #	66
6) Chloroethane	1.69	64	84	Below Cal	#	43
10) Methyl Iodide	2.42	142	69	5.317	ug/l #	40
16) Acetone	2.32	43	1152	0.647	ug/l #	81
31) Cyclohexane	4.99	56	3951	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	15457	4.342	ug/l #	51
38) Carbon Tetrachloride	4.99	117	19918	5.088	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	84357	27.095	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	84357	62.709	ug/l #	100
95) Naphthalene	13.77	128	204	0.699	ug/l #	69

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025193.D

Acq: 03 Jul 2018 16:06

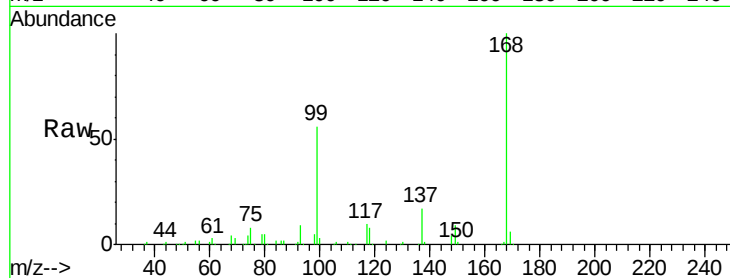
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 203120

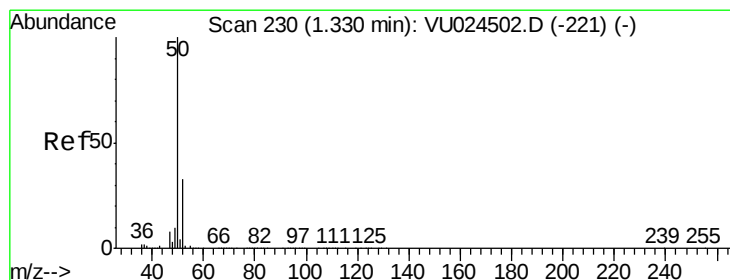
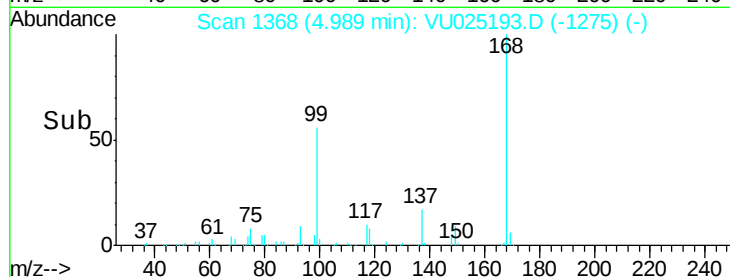
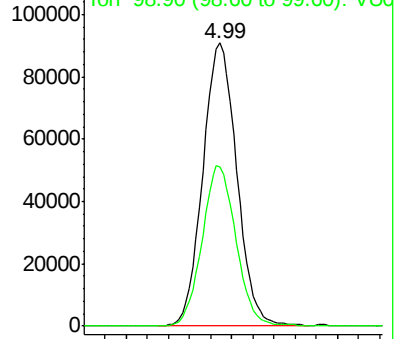
Ion Ratio Lower Upper

168 100

99 56.4 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)



#3

Chloromethane

Concen: 0.217 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025193.D

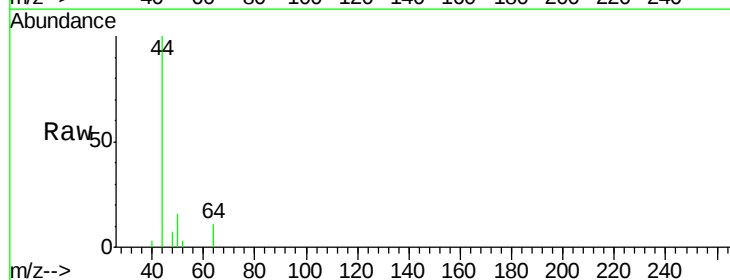
Acq: 03 Jul 2018 16:06

Tgt Ion: 50 Resp: 563

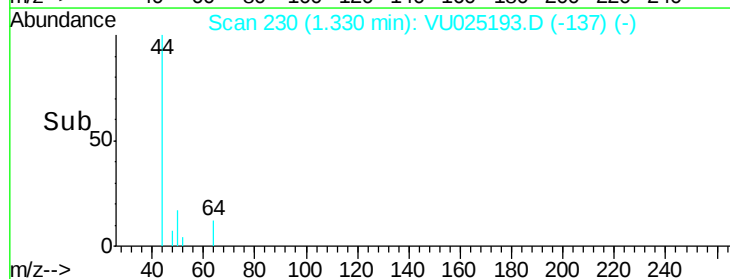
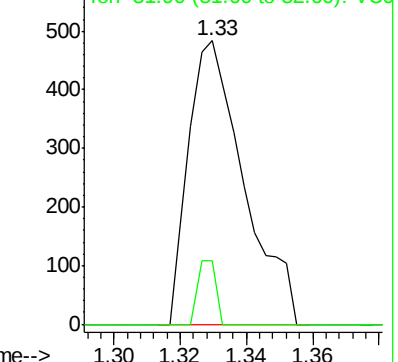
Ion Ratio Lower Upper

50 100

52 22.4 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)





#5

Bromomethane

Concen: 0.278 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU025193.D

Acq: 03 Jul 2018 16:06

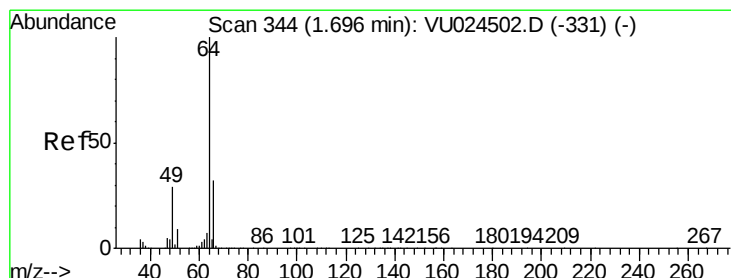
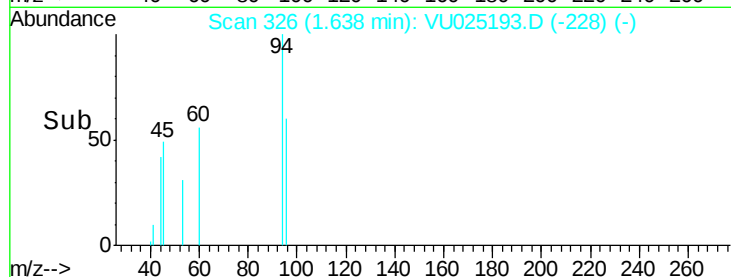
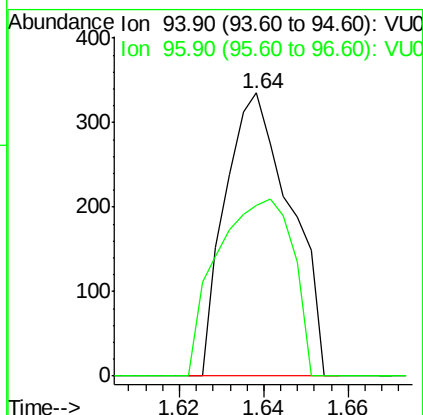
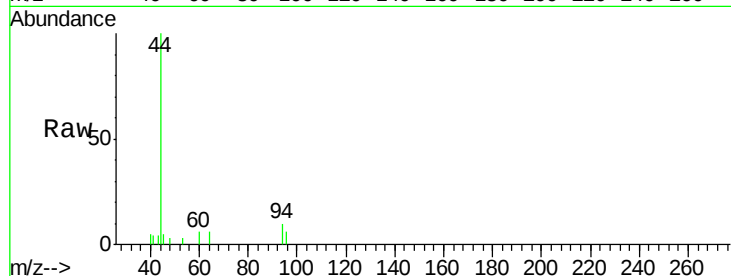
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 94 Resp: 360

Ion Ratio Lower Upper

94 100

96 60.3 74.5 111.7#



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU025193.D

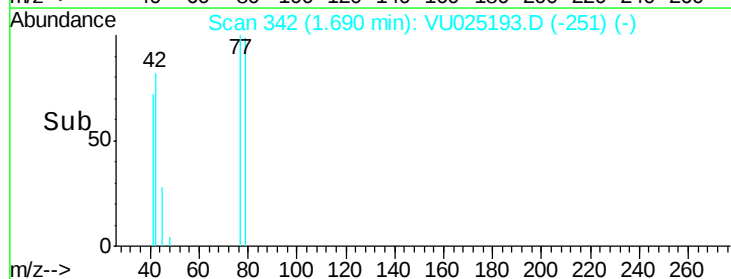
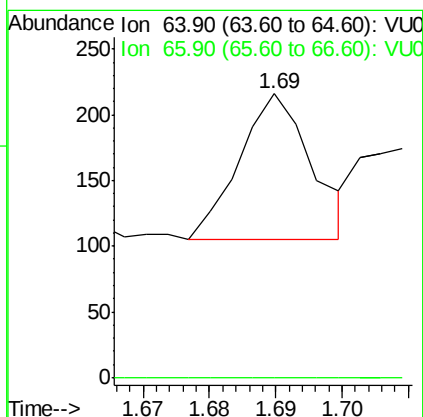
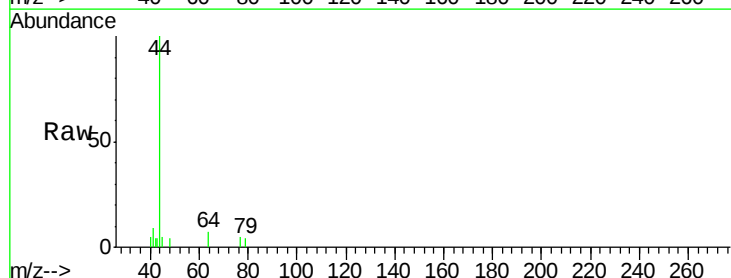
Acq: 03 Jul 2018 16:06

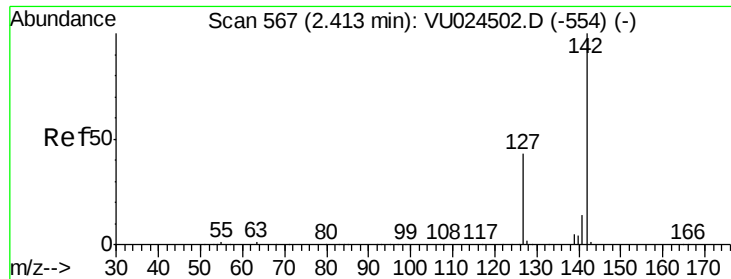
Tgt Ion: 64 Resp: 84

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#

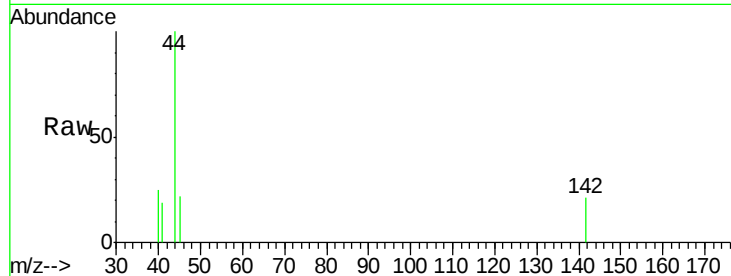




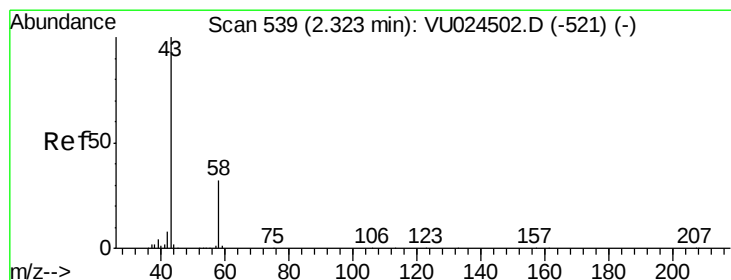
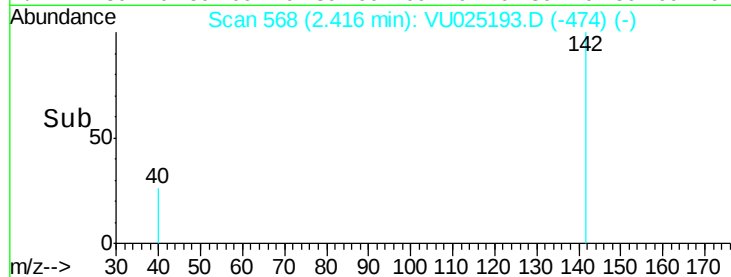
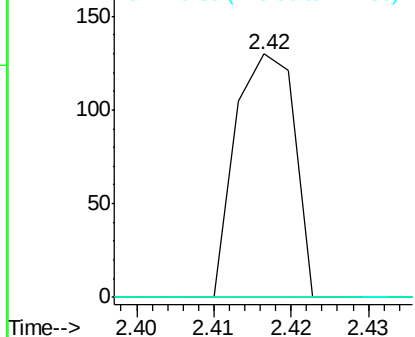
#10
Methvl Iodide
Concen: 5.317 ug/l
RT: 2.42 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU025193.D
Acq: 03 Jul 2018 16:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:142 Resp: 69
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#

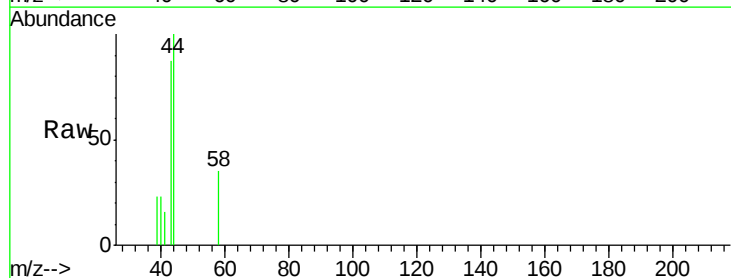


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

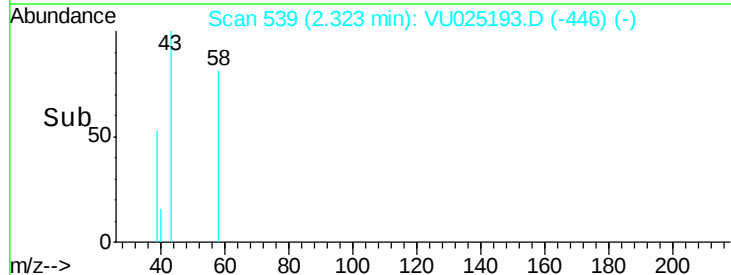
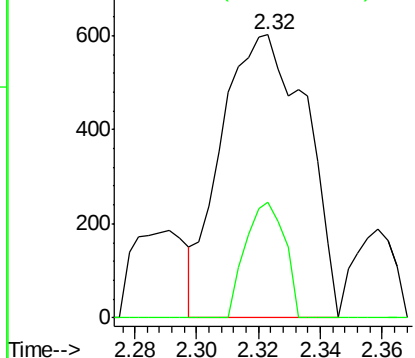


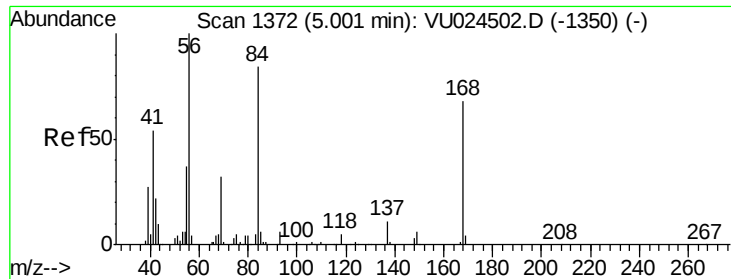
#16
Acetone
Concen: 0.647 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU025193.D
Acq: 03 Jul 2018 16:06

Tgt Ion: 43 Resp: 1152
Ion Ratio Lower Upper
43 100
58 40.7 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

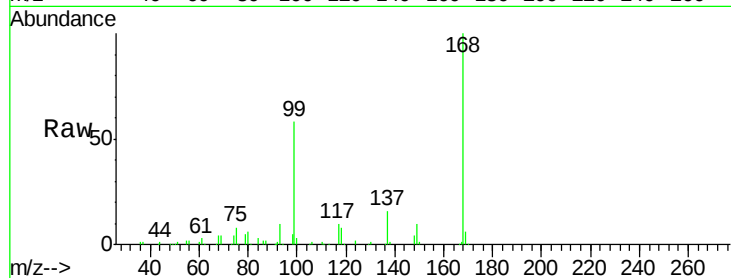




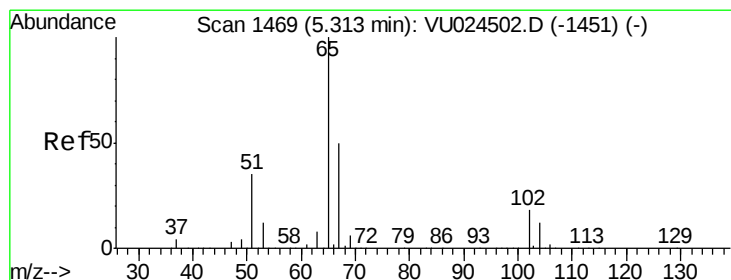
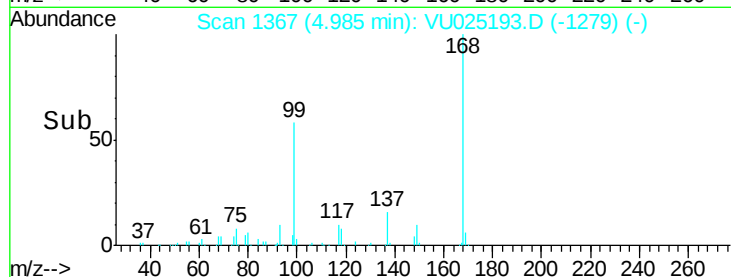
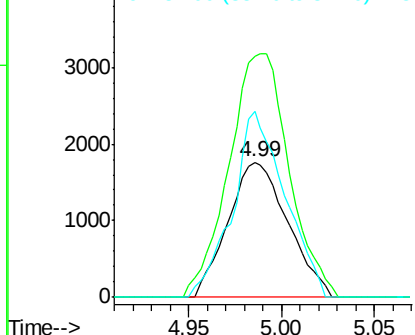
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU025193.D
Acq: 03 Jul 2018 16:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 3951
Ion Ratio Lower Upper
56 100
69 178.6 24.8 37.2#
84 137.6 65.2 97.8#

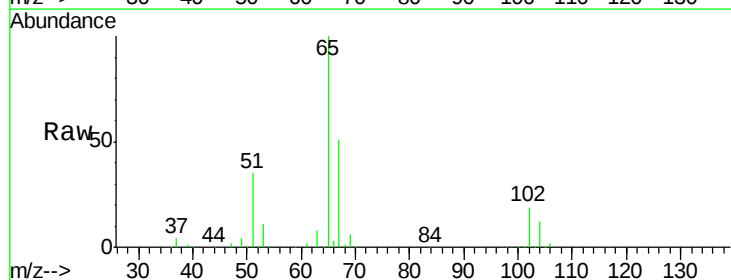


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

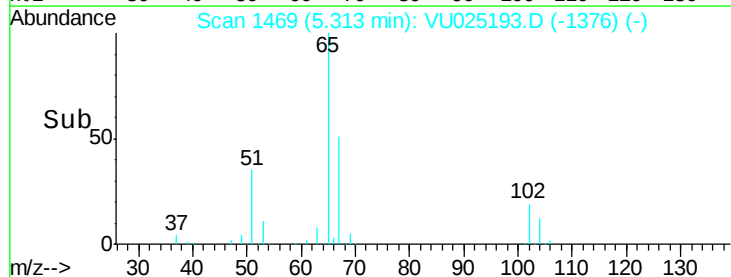
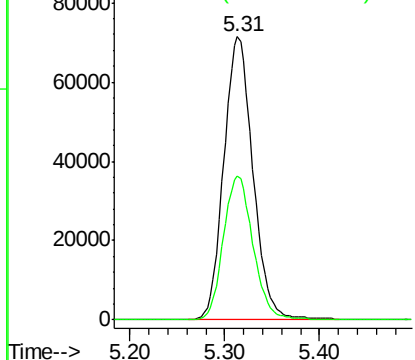


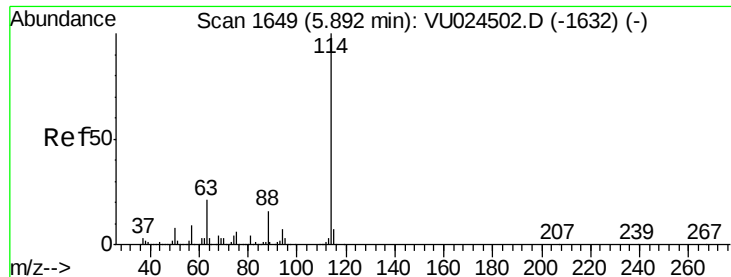
#33
1,2-Dichloroethane-d4
Concen: 46.253 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025193.D
Acq: 03 Jul 2018 16:06

Tgt Ion: 65 Resp: 153374
Ion Ratio Lower Upper
65 100
67 51.5 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025193.D

Acq: 03 Jul 2018 16:06

Instrument :

MSVOA_U

ClientSampleId :

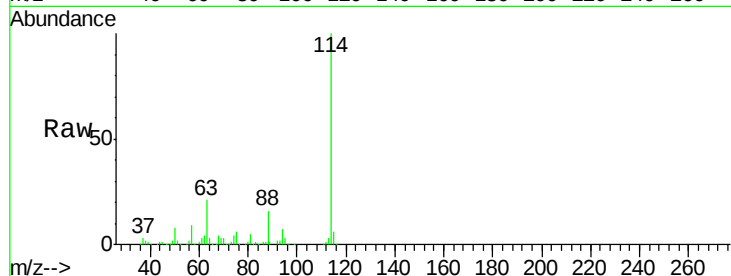
Tot Ion:114 Resp: 302970

Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.4

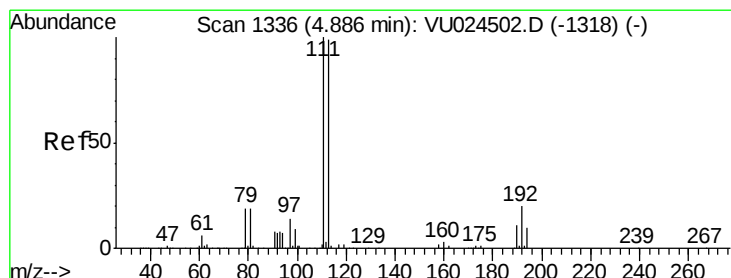
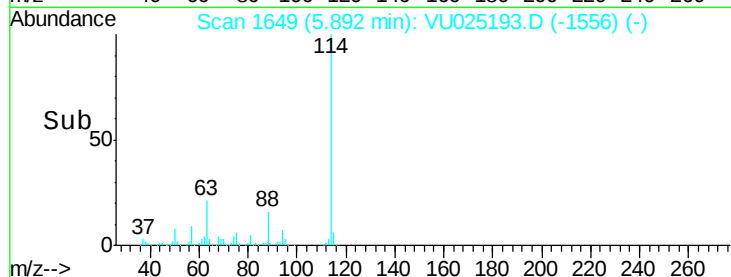
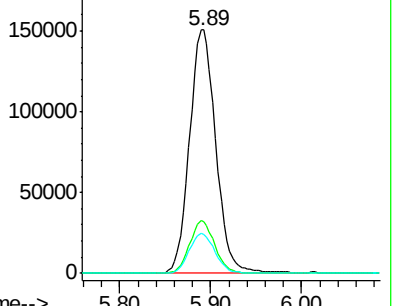
88 16.1 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 47.078 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025193.D

Acq: 03 Jul 2018 16:06

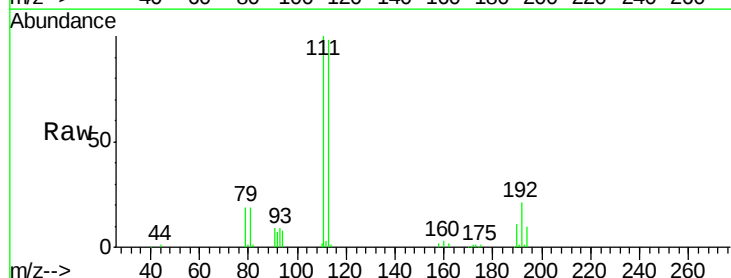
Tgt Ion:113 Resp: 118373

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

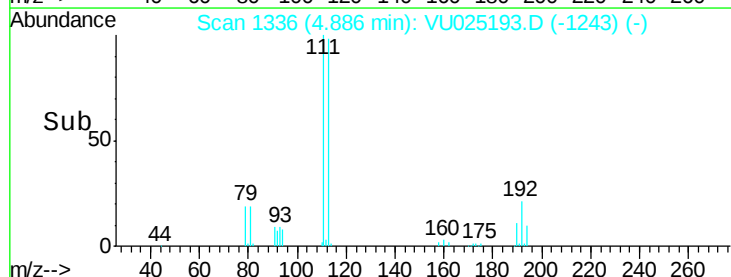
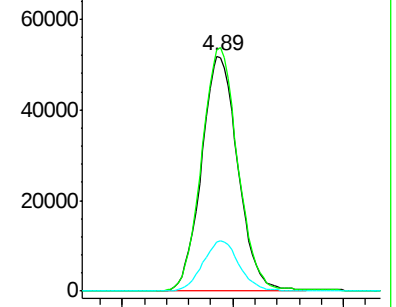
192 21.2 16.2 24.4

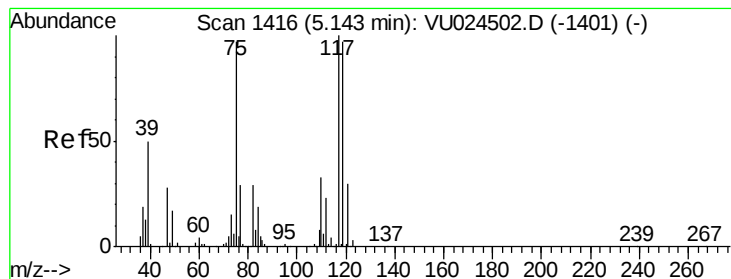


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.342 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025193.D

Acq: 03 Jul 2018 16:06

Instrument :

MSVOA_U

ClientSampleId :

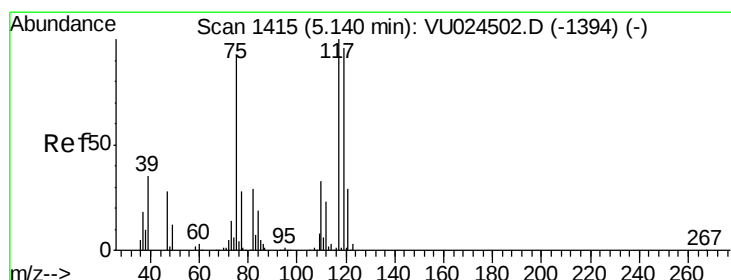
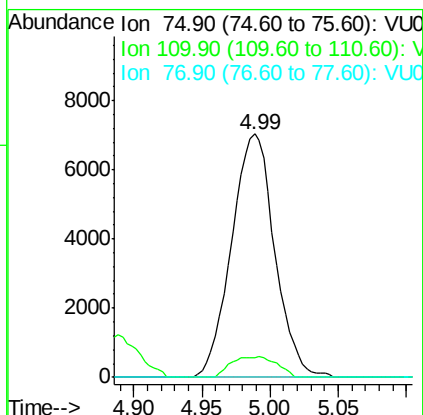
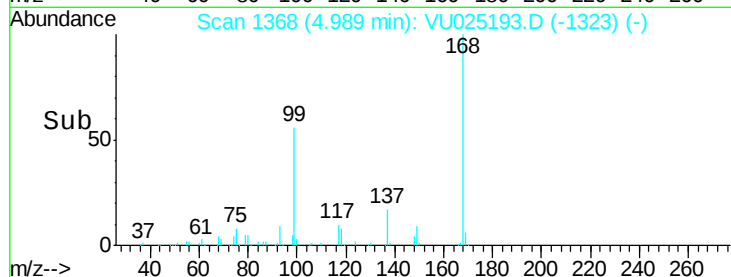
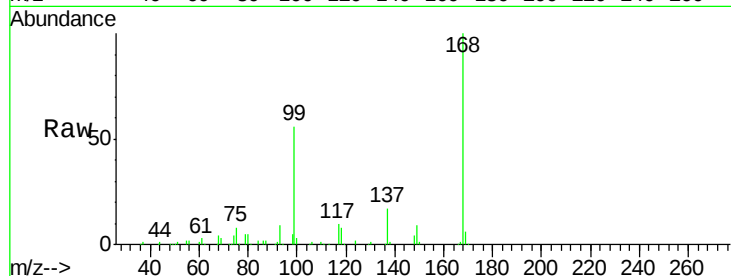
Tot Ion: 75 Resp: 15457

Ion Ratio Lower Upper

75 100

110 9.1 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.088 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025193.D

Acq: 03 Jul 2018 16:06

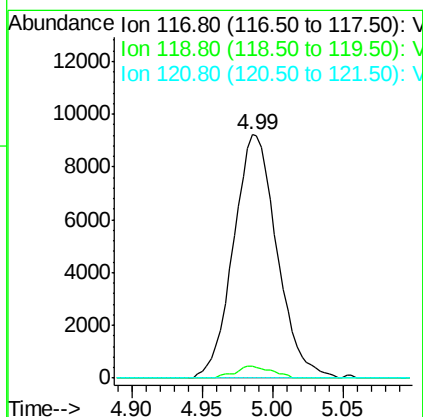
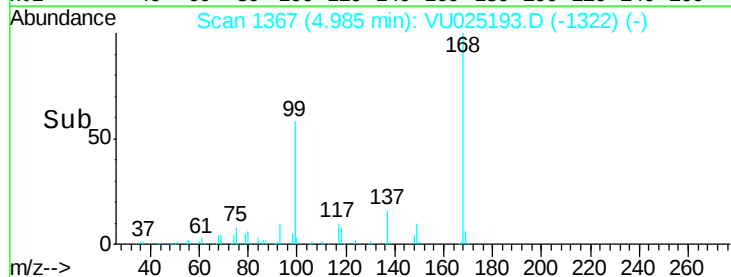
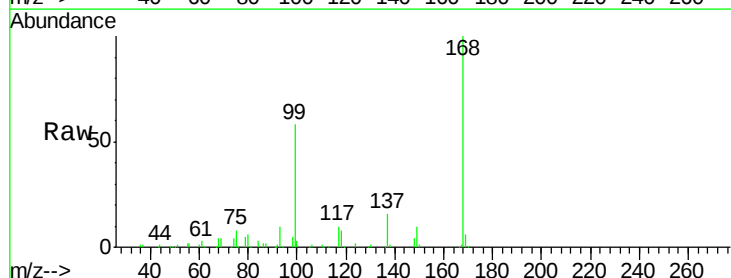
Tgt Ion: 117 Resp: 19918

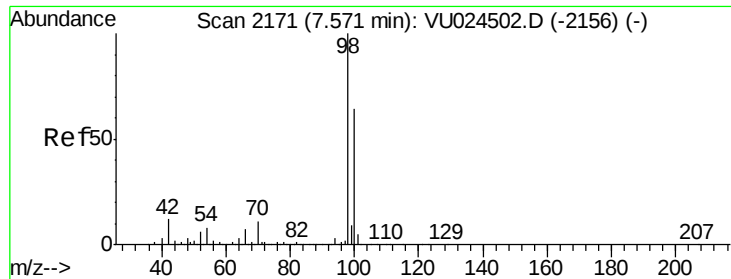
Ion Ratio Lower Upper

117 100

119 4.7 76.1 114.1#

121 0.0 23.7 35.5#





#50

Toluene-d8

Concen: 47.232 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025193.D

Acq: 03 Jul 2018 16:06

Instrument :

MSVOA_U

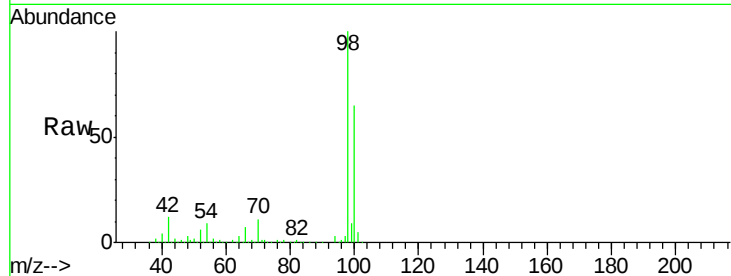
ClientSampleId :

Tot Ion: 98 Resp: 433193

Ion Ratio Lower Upper

98 100

100 64.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024502.D (-2156) (-)

Ion 100.00 (99.70 to 100.70): VU024502.D (-2156) (-)

7.57

250000

200000

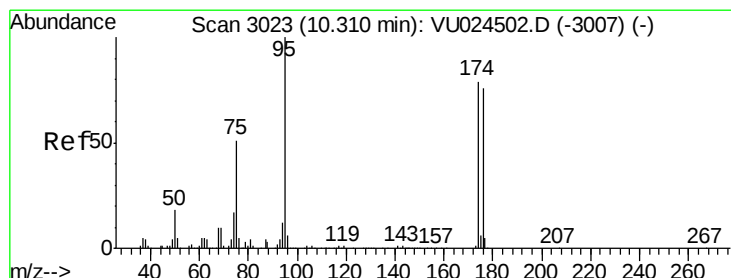
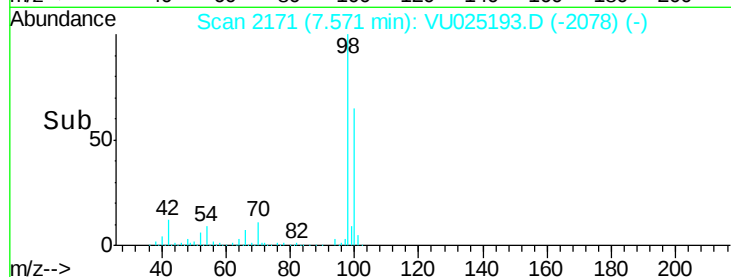
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.369 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025193.D

Acq: 03 Jul 2018 16:06

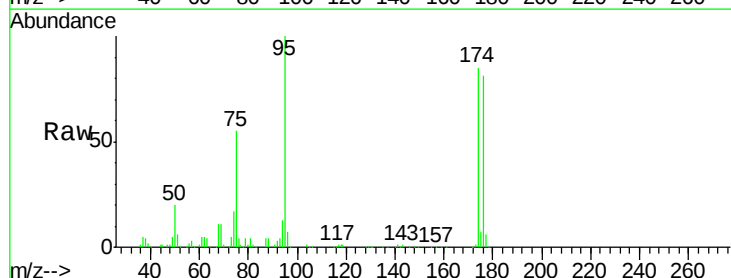
Tgt Ion: 95 Resp: 157926

Ion Ratio Lower Upper

95 100

174 86.3 0.0 165.8

176 82.7 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)

Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)

10.31

120000

100000

80000

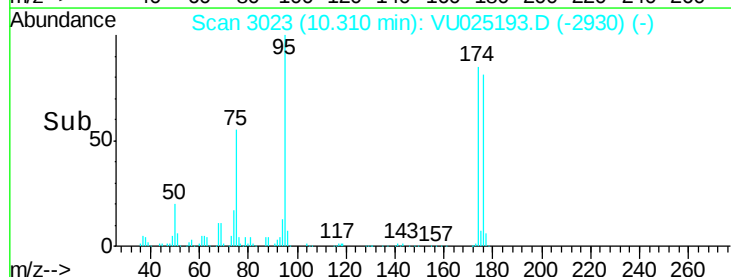
60000

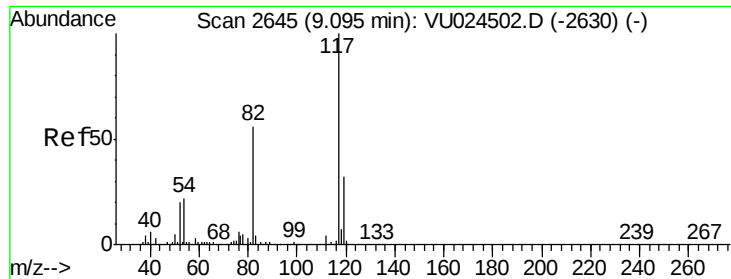
40000

20000

0

Time-->

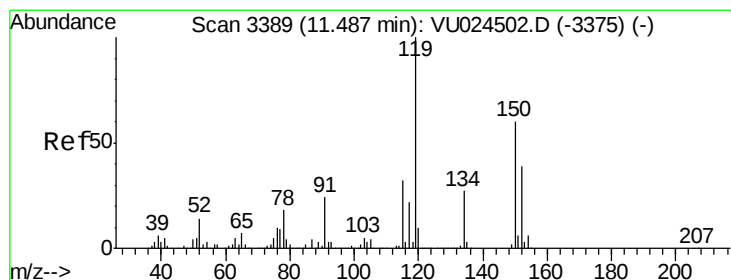
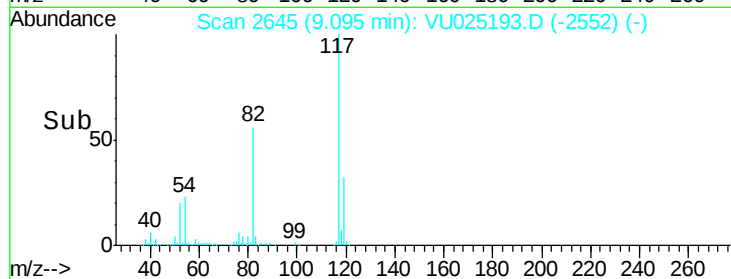
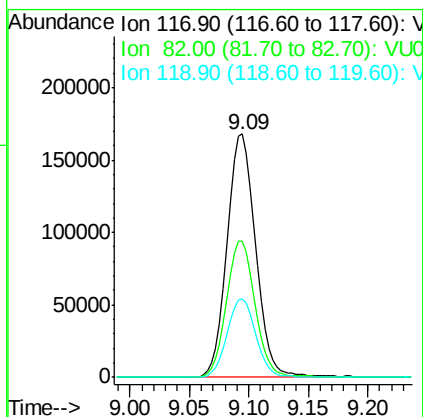
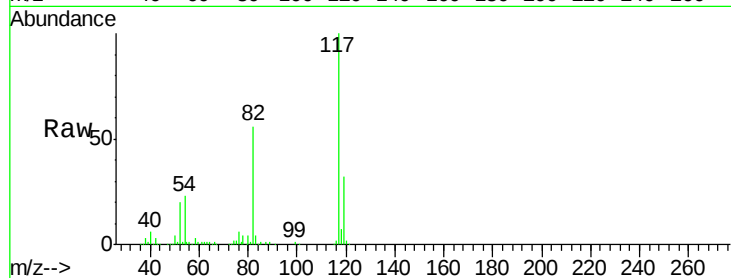




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025193.D
Acq: 03 Jul 2018 16:06

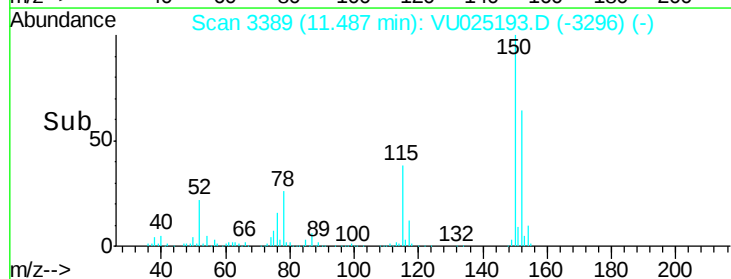
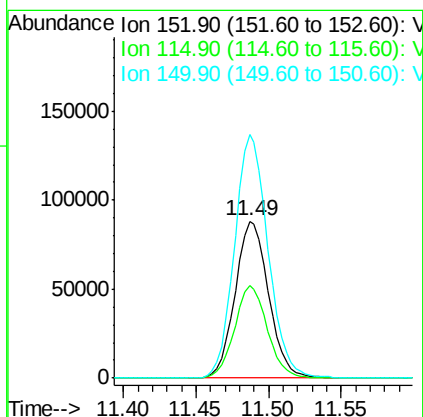
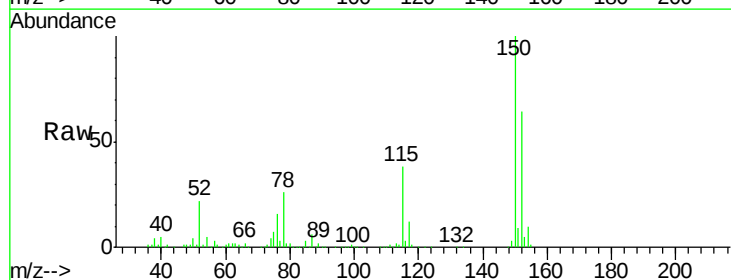
Instrument :
MSVOA_U
ClientSampled :

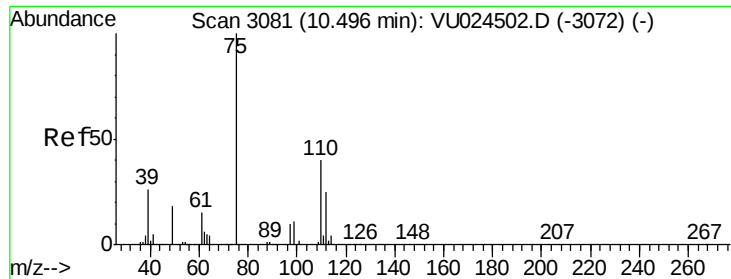
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.3	66.5
119	32.4	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025193.D
Acq: 03 Jul 2018 16:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	43.0	129.0
150	155.7	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 27.095 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025193.D

Acq: 03 Jul 2018 16:06

Instrument :

MSVOA_U

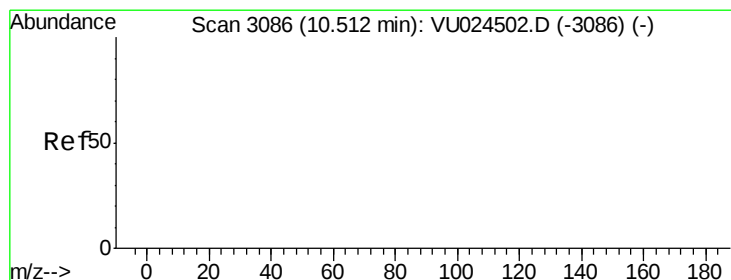
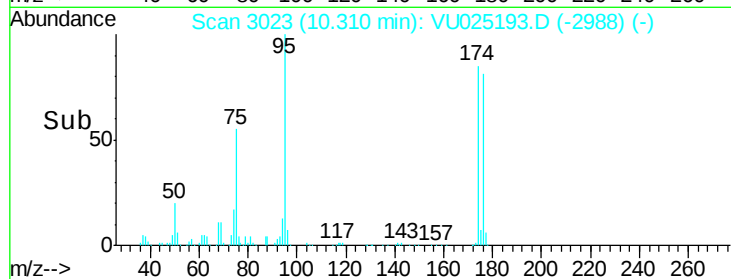
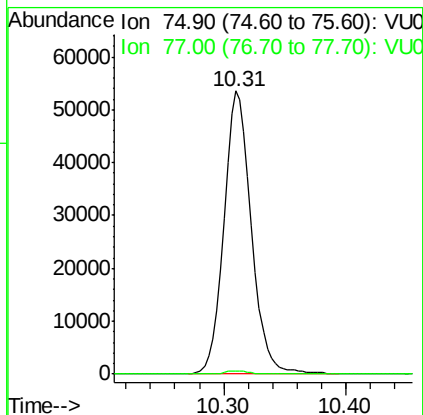
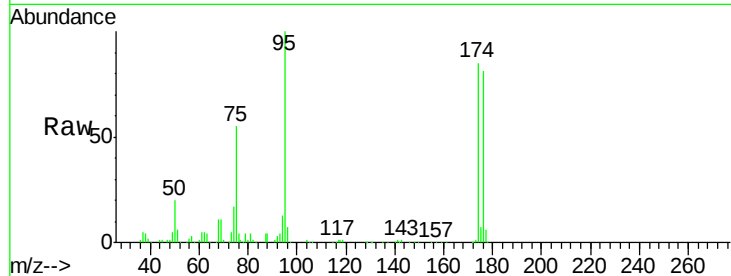
ClientSampleId :

Tot Ion: 75 Resp: 84357

Ion Ratio Lower Upper

75 100

77 1.0 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.709 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025193.D

Acq: 03 Jul 2018 16:06

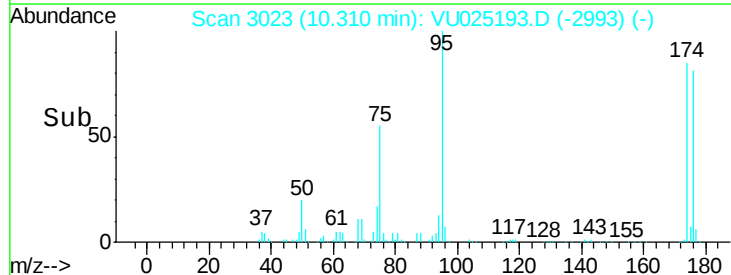
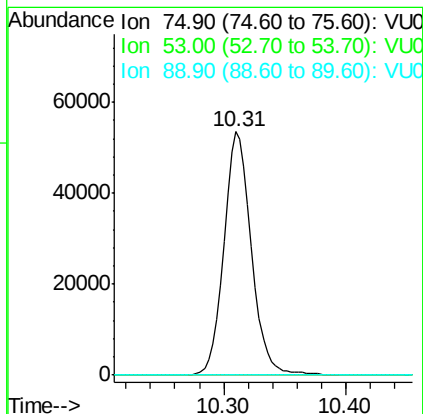
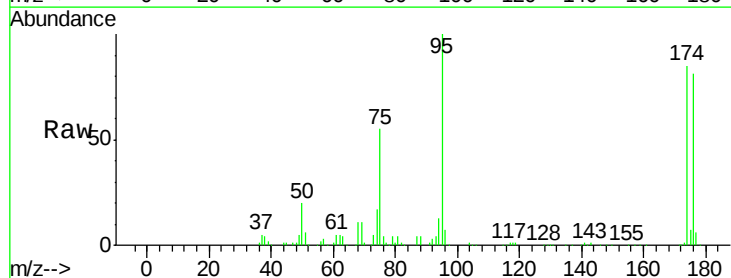
Tgt Ion: 75 Resp: 84357

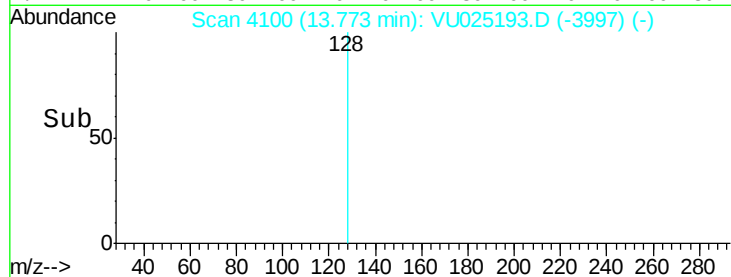
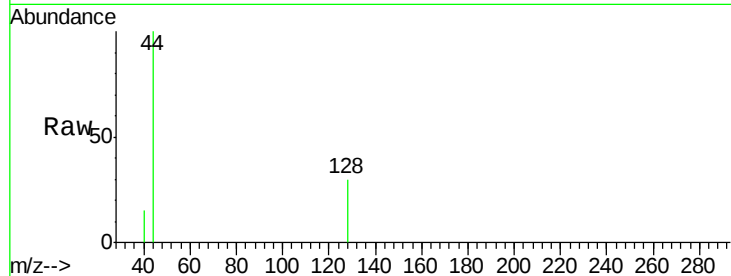
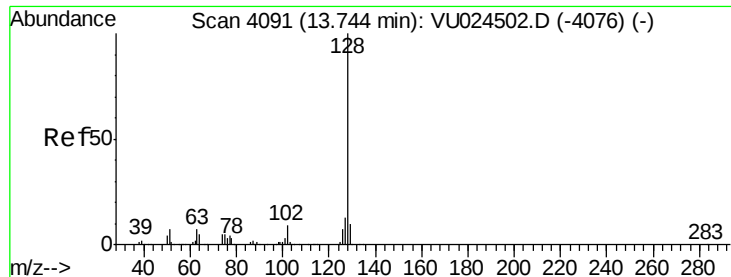
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#95

Naphthalene

Concen: 0.699 ug/l

RT: 13.77 min Scan# 4100

Delta R.T. 0.03 min

Lab File: VU025193.D

Acq: 03 Jul 2018 16:06

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 204

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#

