

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024577.D
 Acq On : 15 Jun 2018 06:22
 Operator : MD/SY
 Sample : J3478-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 08:25:06 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	169959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	278546	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	272190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	162091	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	119493	43.07	ug/l	0.00
Spiked Amount			Recovery	=	86.14%	
35) Dibromofluoromethane	4.89	113	111404	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
50) Toluene-d8	7.57	98	414053	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
62) 4-Bromofluorobenzene	10.31	95	159819	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	

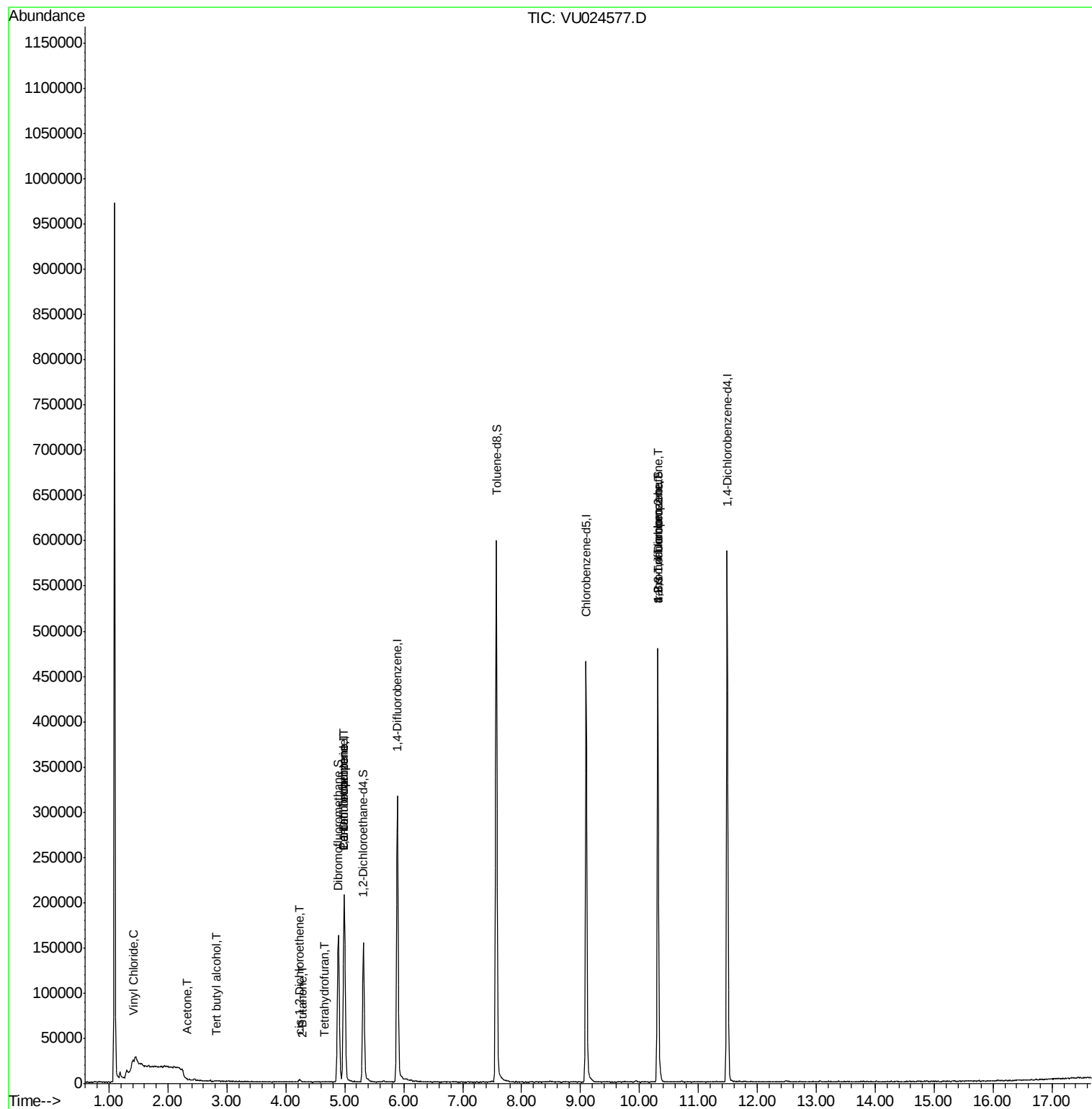
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	2297	1.025	ug/l #	1
6) Chloroethane	1.63	64	1032	Below Cal	#	49
8) Diethyl Ether	2.12	74	39	Below Cal		66
11) Tert butyl alcohol	2.83	59	342	0.507	ug/l	97
16) Acetone	2.33	43	638	0.428	ug/l #	82
25) 2-Butanone	4.29	43	451	0.225	ug/l #	51
27) cis-1,2-Dichloroethene	4.24	96	1736	0.708	ug/l	80
29) Tetrahydrofuran	4.65	42	602	0.485	ug/l #	63
31) Cyclohexane	4.99	56	3596	Below Cal	#	7
36) 1,1-Dichloropropene	4.99	75	11209	3.425	ug/l #	51
38) Carbon Tetrachloride	4.99	117	15395	4.277	ug/l #	17
76) 1,2,3-Trichloropropane	10.31	75	79184	22.189	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	79184	51.354	ug/l #	100

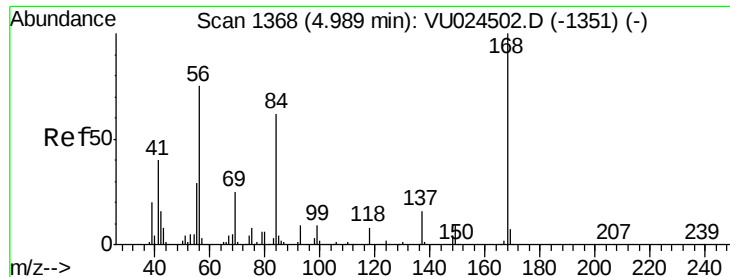
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VU024577.D

Acq: 15 Jun 2018 06:22

Instrument :

MSVOA_D

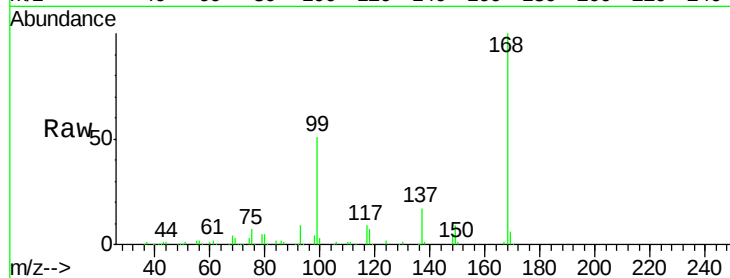
ClientSampleId :

Tot Ion:168 Resp: 169959

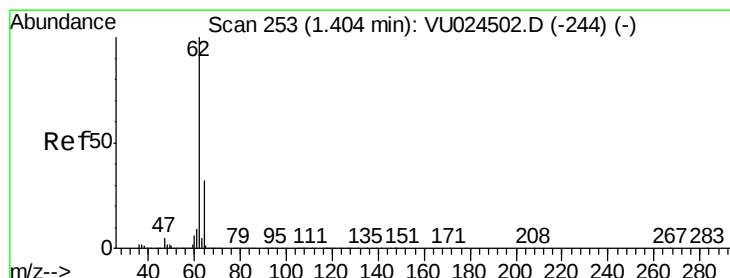
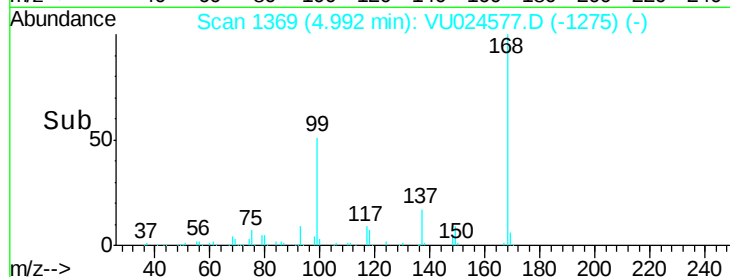
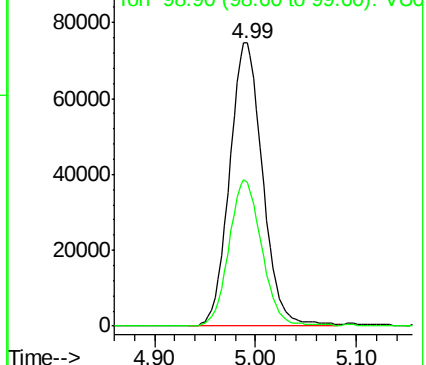
Ion Ratio Lower Upper

168 100

99 50.9 43.2 64.8



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



#4

Vinyl Chloride

Concen: 1.025 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU024577.D

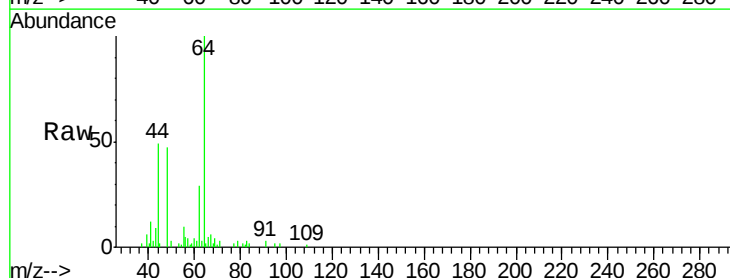
Acq: 15 Jun 2018 06:22

Tgt Ion: 62 Resp: 2297

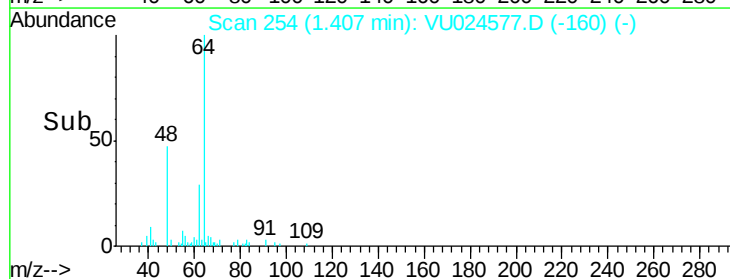
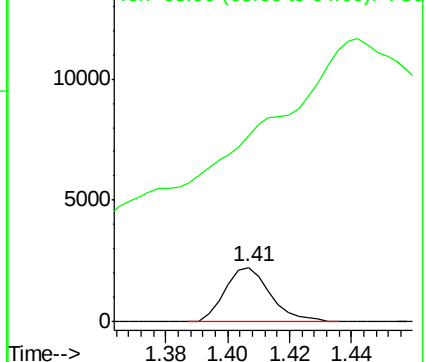
Ion Ratio Lower Upper

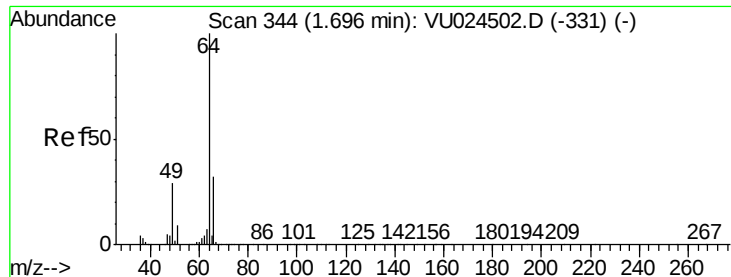
62 100

64 85.6 24.8 37.2#



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D (-244) (-)





#6

Chloroethane

Concen: Below Cal

RT: 1.63 min Scan# 323

Delta R.T. -0.07 min

Lab File: VU024577.D

Acq: 15 Jun 2018 06:22

Instrument :

MSVOA_D

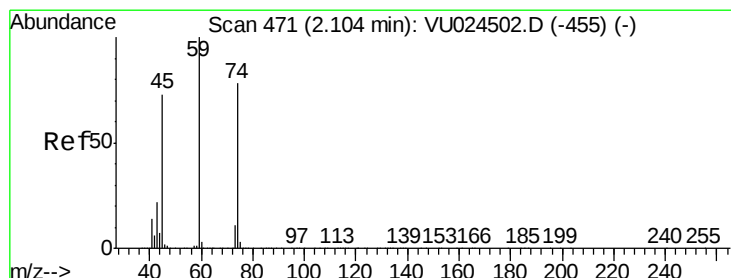
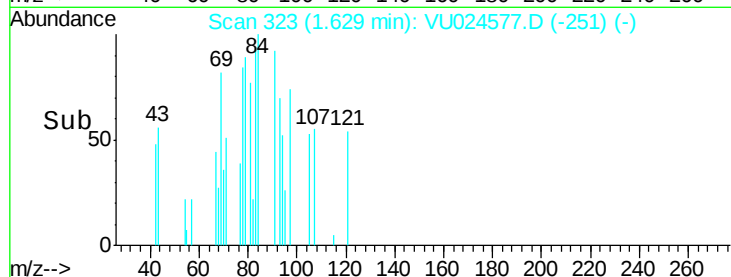
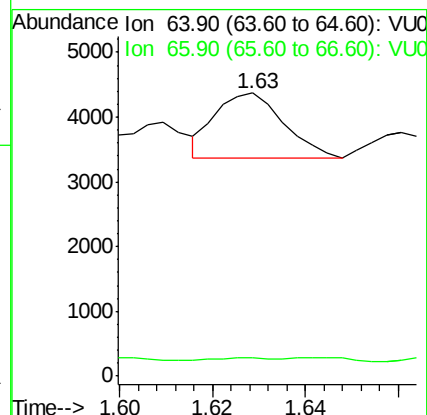
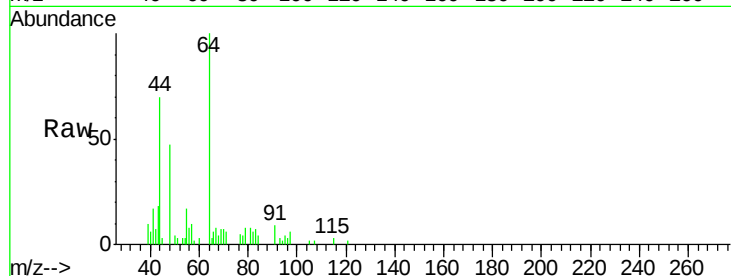
ClientSampled :

Tot Ion: 64 Resp: 1032

Ion Ratio Lower Upper

64 100

66 3.7 25.5 38.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.12 min Scan# 476

Delta R.T. 0.02 min

Lab File: VU024577.D

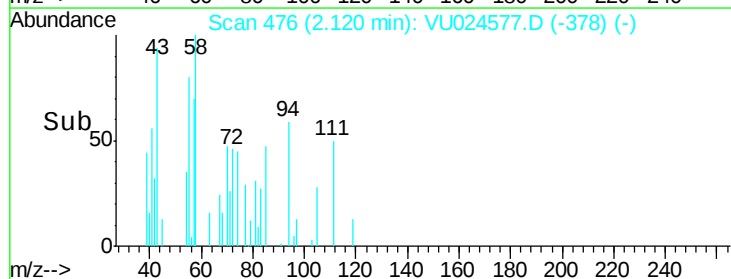
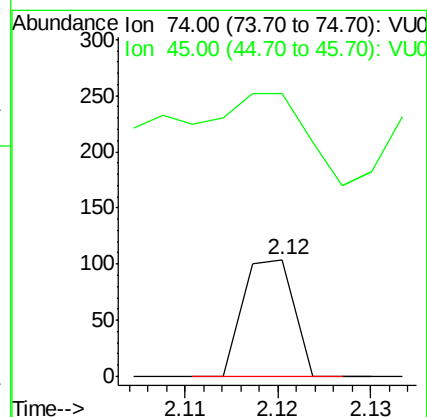
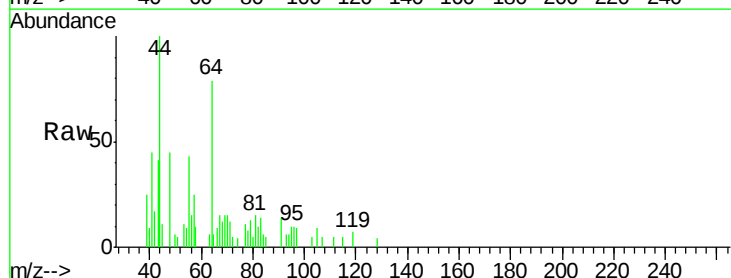
Acq: 15 Jun 2018 06:22

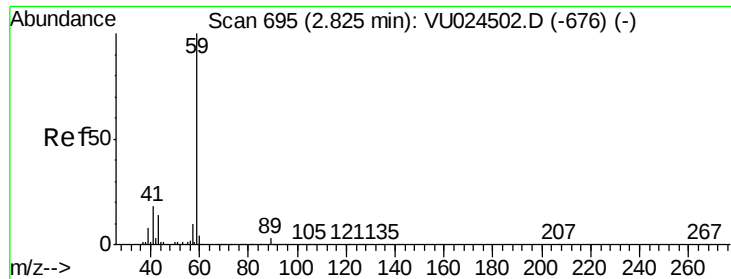
Tgt Ion: 74 Resp: 39

Ion Ratio Lower Upper

74 100

45 146.2 55.0 165.0

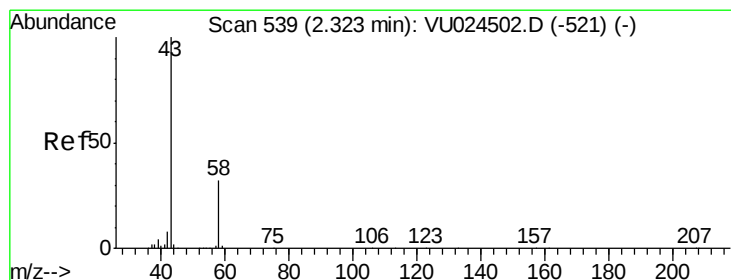
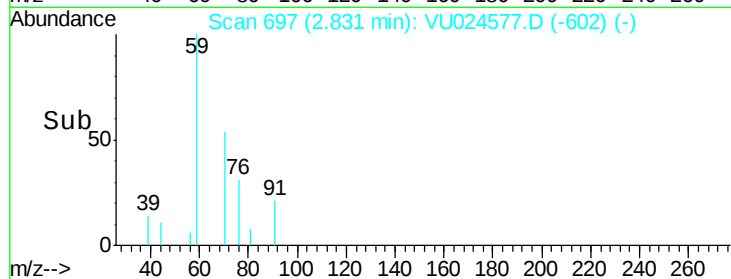
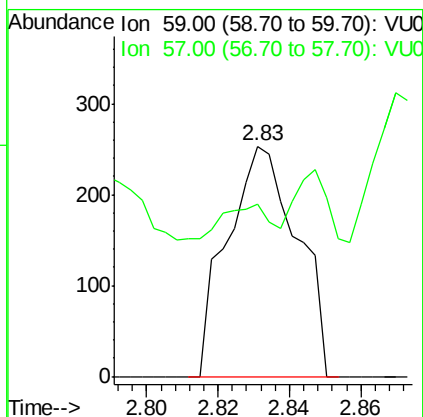
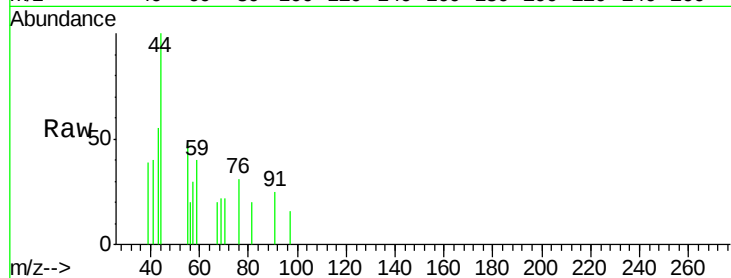




#11
Tert butyl alcohol
Concen: 0.507 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU024577.D
Acq: 15 Jun 2018 06:22

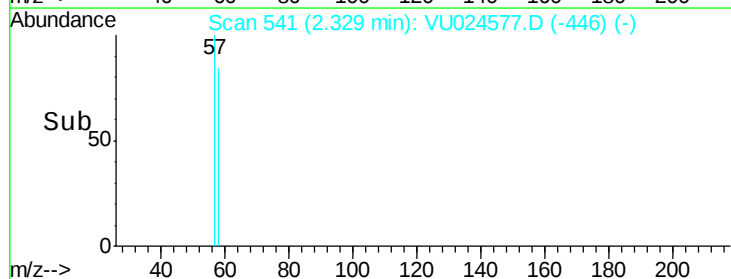
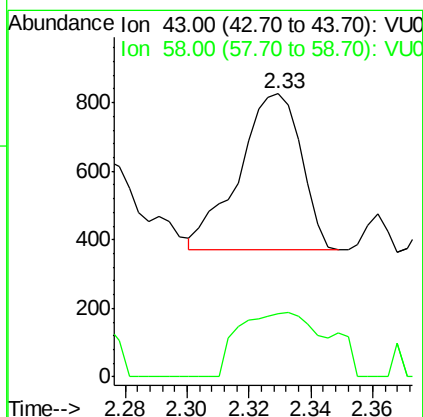
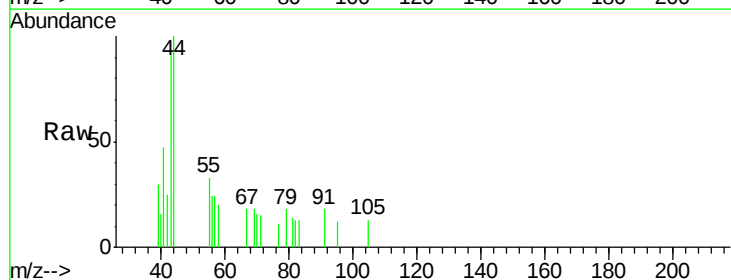
Instrument :
MSVOA_D
ClientSampleId :

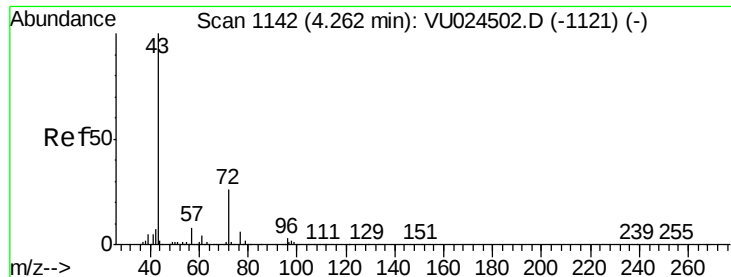
Tot Ion: 59 Resp: 342
Ion Ratio Lower Upper
59 100
57 9.6 8.5 12.7



#16
Acetone
Concen: 0.428 ug/l
RT: 2.33 min Scan# 541
Delta R.T. 0.01 min
Lab File: VU024577.D
Acq: 15 Jun 2018 06:22

Tgt Ion: 43 Resp: 638
Ion Ratio Lower Upper
43 100
58 40.4 24.4 36.6#

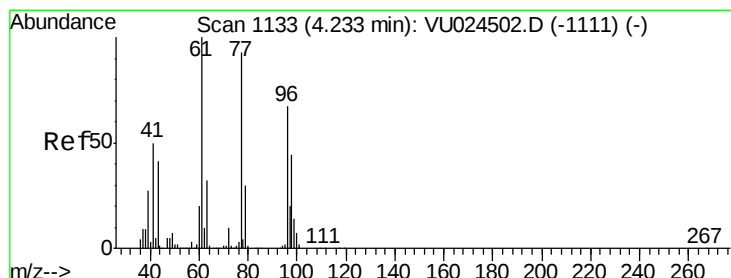
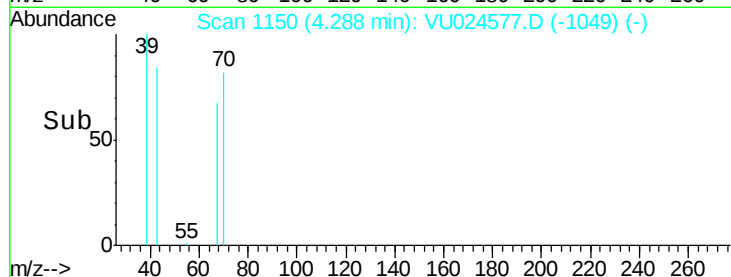
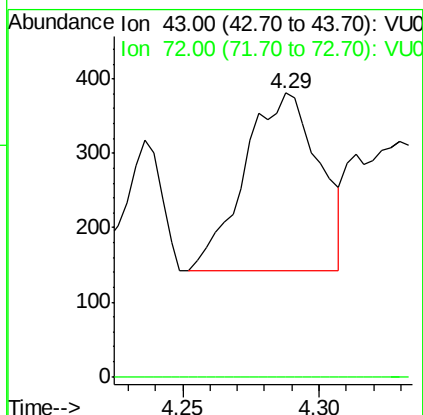
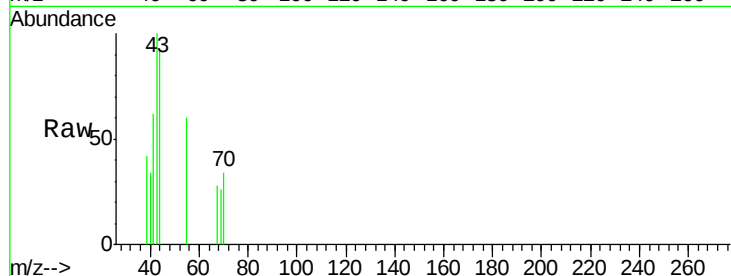




#25
2-Butanone
Concen: 0.225 ug/l
RT: 4.29 min Scan# 1150
Delta R.T. 0.03 min
Lab File: VU024577.D
Acq: 15 Jun 2018 06:22

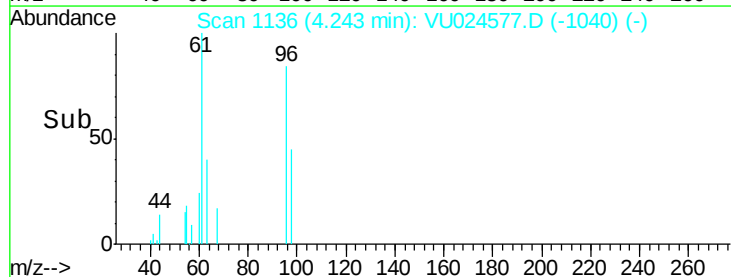
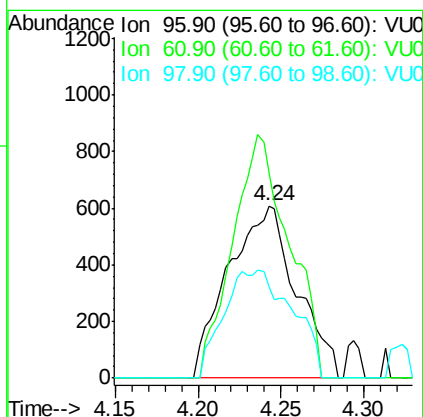
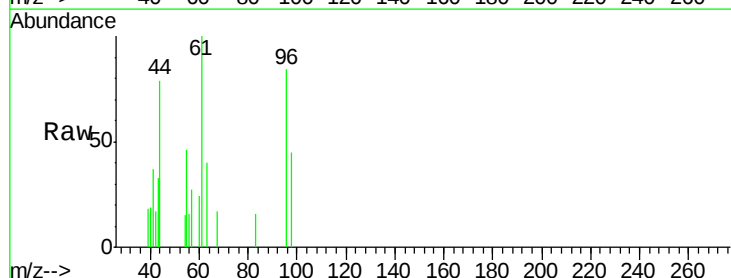
Instrument :
MSVOA_D
ClientSampleId :

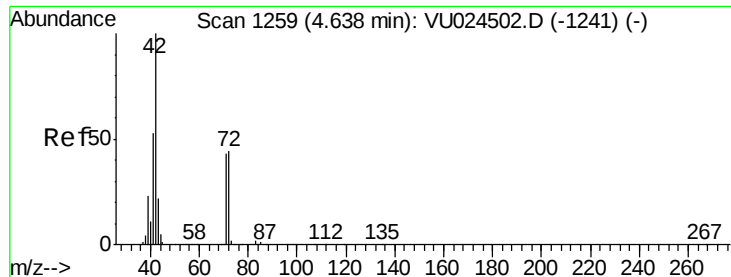
Tot Ion: 43 Resp: 451
Ion Ratio Lower Upper
43 100
72 0.0 19.6 29.4#



#27
cis-1,2-Dichloroethene
Concen: 0.708 ug/l
RT: 4.24 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VU024577.D
Acq: 15 Jun 2018 06:22

Tgt Ion: 96 Resp: 1736
Ion Ratio Lower Upper
96 100
61 116.9 0.0 306.6
98 63.2 0.0 128.8

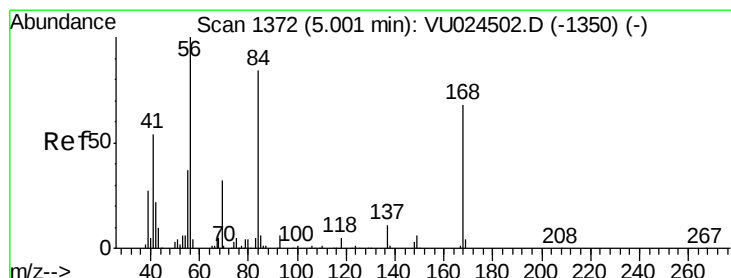
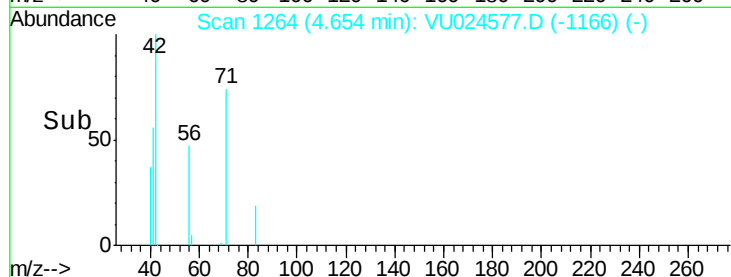
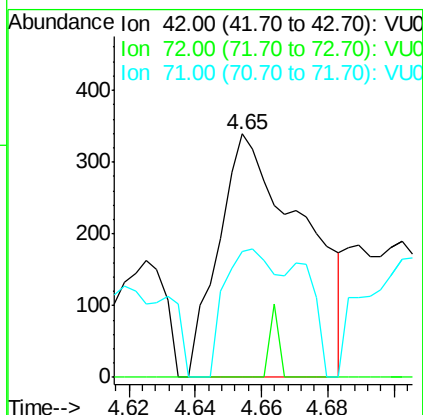
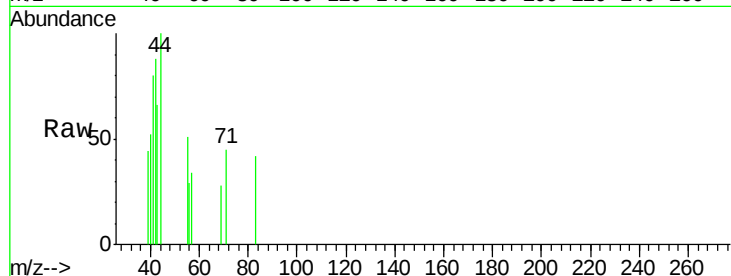




#29
Tetrahydrofuran
Concen: 0.485 ug/l
RT: 4.65 min Scan# 1264
Delta R.T. 0.02 min
Lab File: VU024577.D
Acq: 15 Jun 2018 06:22

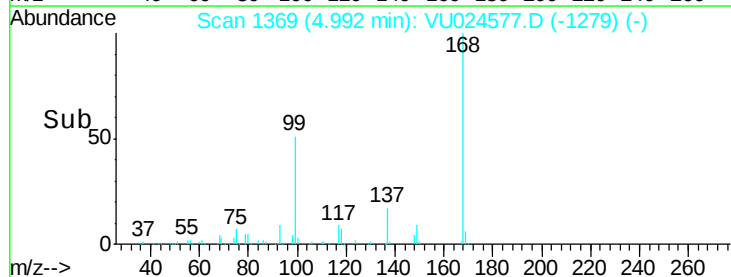
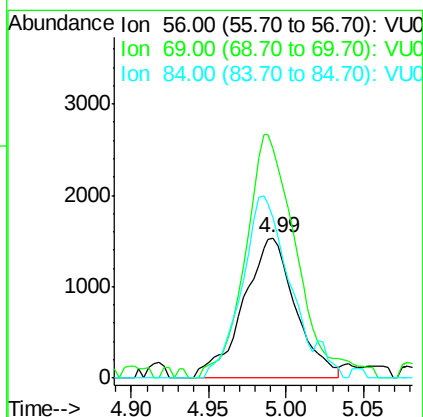
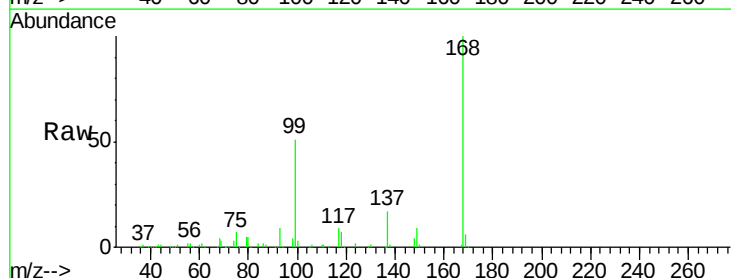
Instrument :
MSVOA_D
ClientSampleId :

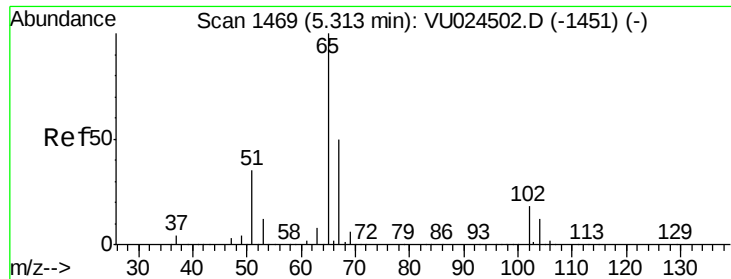
Tot Ion: 42 Resp: 602
Ion Ratio Lower Upper
42 100
72 3.3 34.5 51.7#
71 34.4 32.2 48.4



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU024577.D
Acq: 15 Jun 2018 06:22

Tgt Ion: 56 Resp: 3596
Ion Ratio Lower Upper
56 100
69 163.0 24.8 37.2#
84 114.0 65.2 97.8#

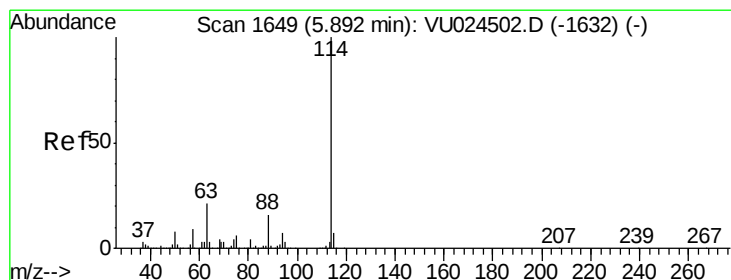
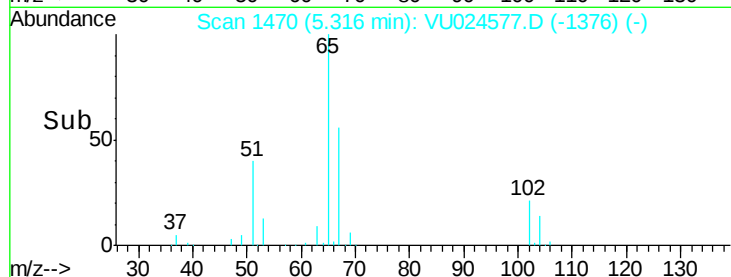
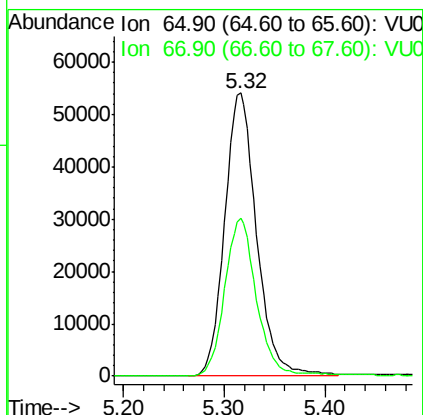
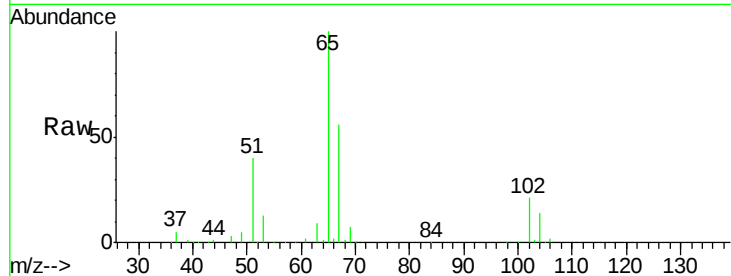




#33
 1,2-Dichloroethane-d4
 Concen: 43.067 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU024577.D
 Acq: 15 Jun 2018 06:22

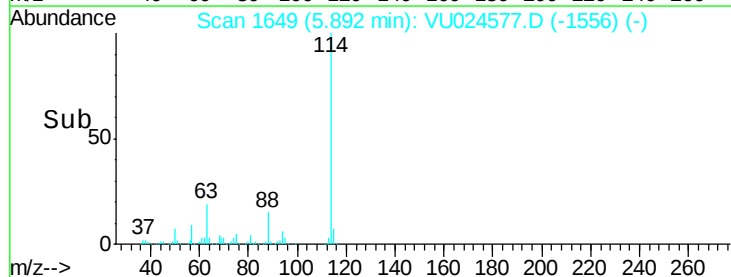
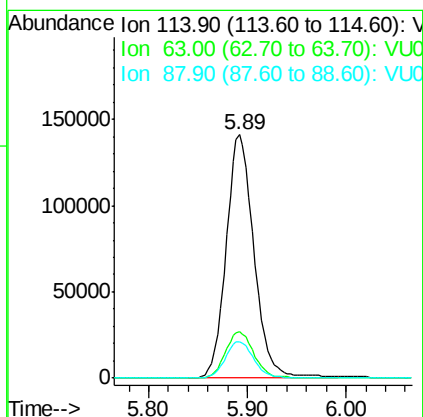
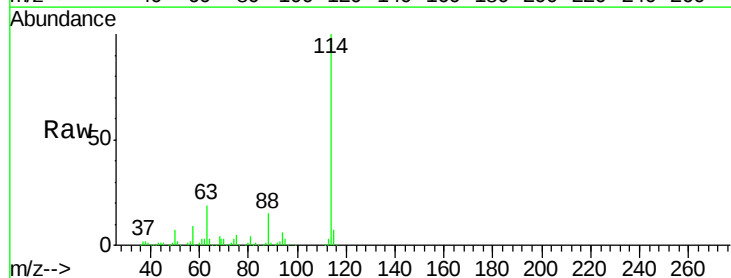
Instrument :
 MSVOA_D
 ClientSampled :

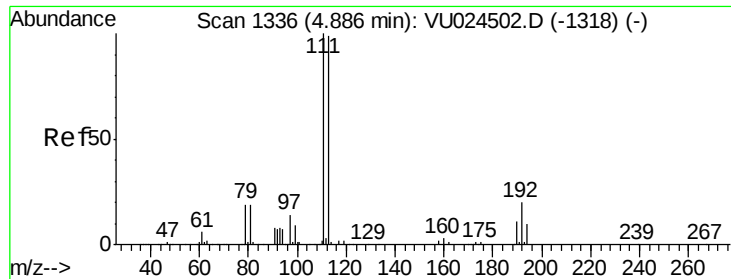
Tot Ion: 65 Resp: 119493
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024577.D
 Acq: 15 Jun 2018 06:22

Tgt Ion: 114 Resp: 278546
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 45.4
 88 15.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.191 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024577.D

Acq: 15 Jun 2018 06:22

Instrument :

MSVOA_D

ClientSampleId :

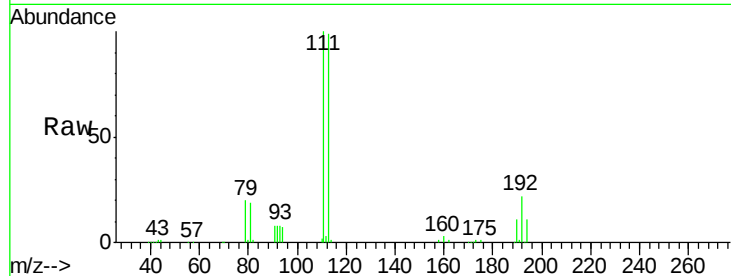
Tot Ion:113 Resp: 111404

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.4

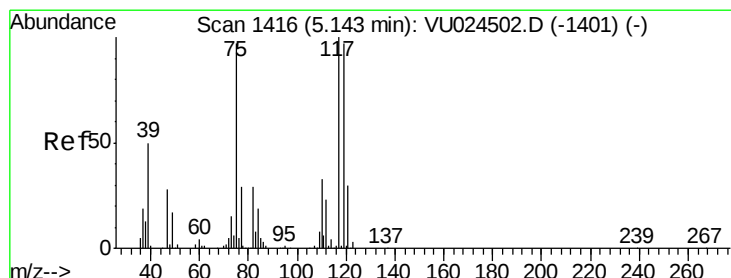
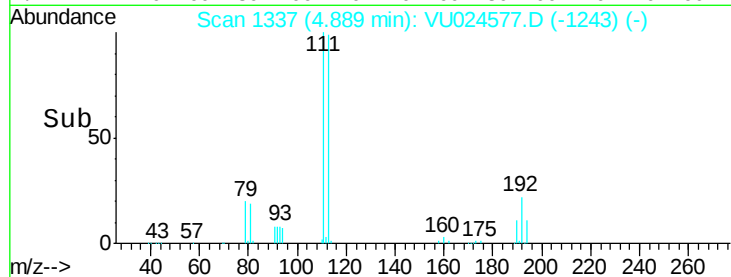
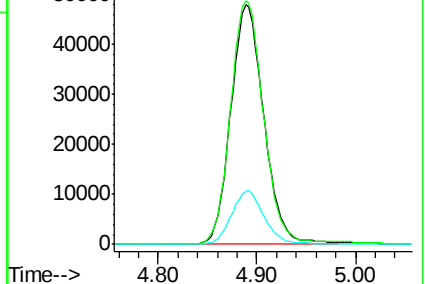
192 22.0 16.2 24.4



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: 3.425 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024577.D

Acq: 15 Jun 2018 06:22

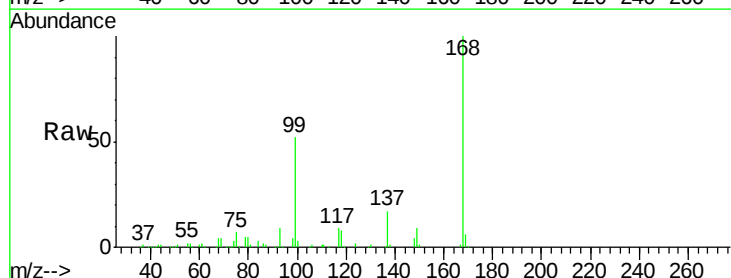
Tgt Ion: 75 Resp: 11209

Ion Ratio Lower Upper

75 100

110 8.8 17.0 50.9#

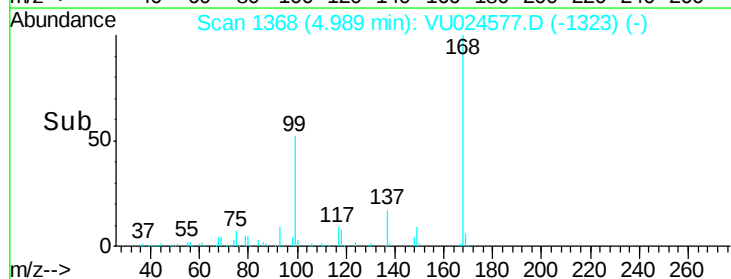
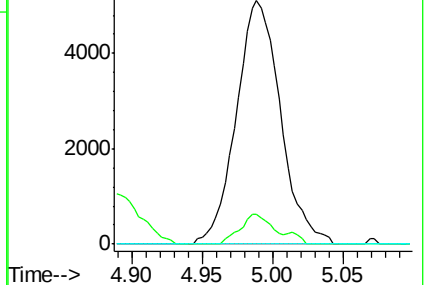
77 0.0 24.2 36.4#

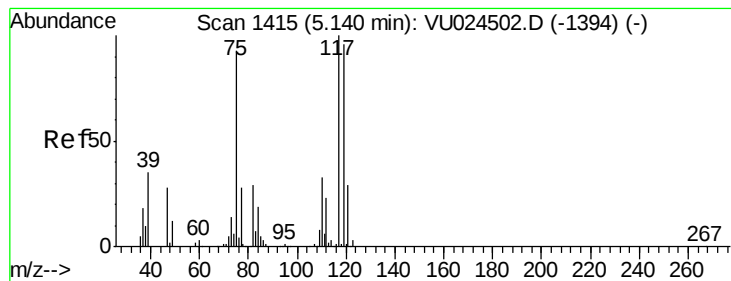


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.277 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024577.D

Acq: 15 Jun 2018 06:22

Instrument :

MSVOA_D

ClientSampleId :

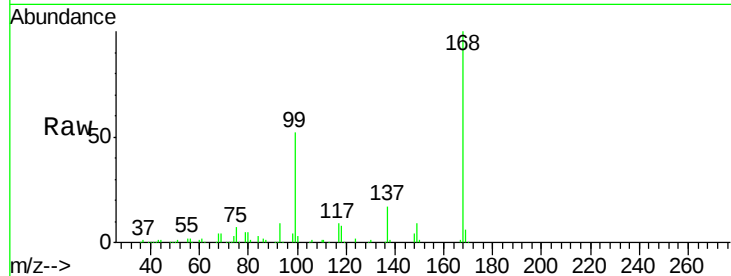
Tot Ion:117 Resp: 15395

Ion Ratio Lower Upper

117 100

119 5.4 76.1 114.1#

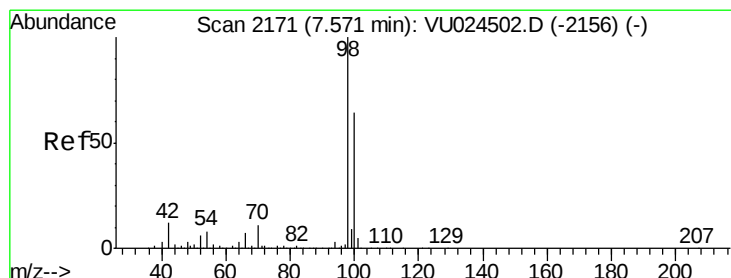
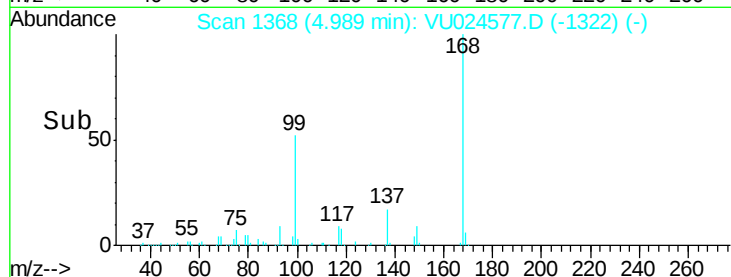
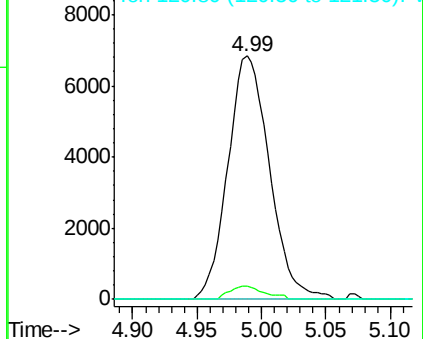
121 0.0 23.7 35.5#



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: 49.104 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU024577.D

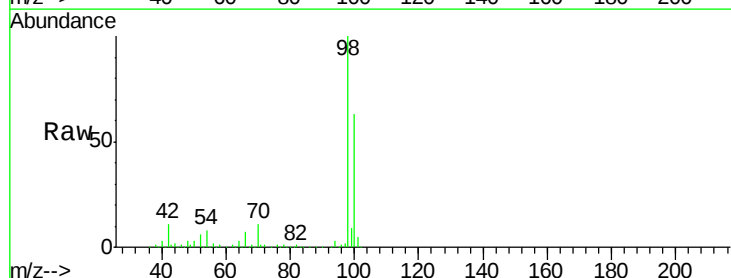
Acq: 15 Jun 2018 06:22

Tgt Ion: 98 Resp: 414053

Ion Ratio Lower Upper

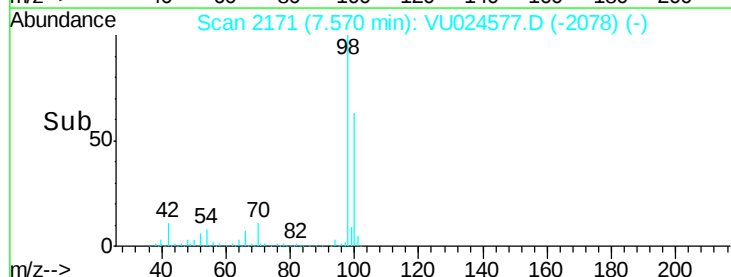
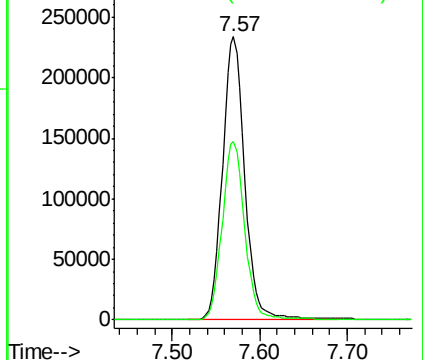
98 100

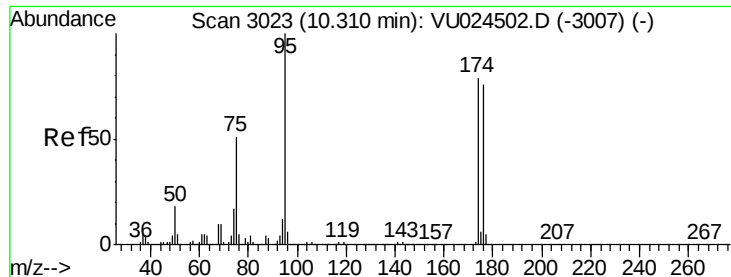
100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

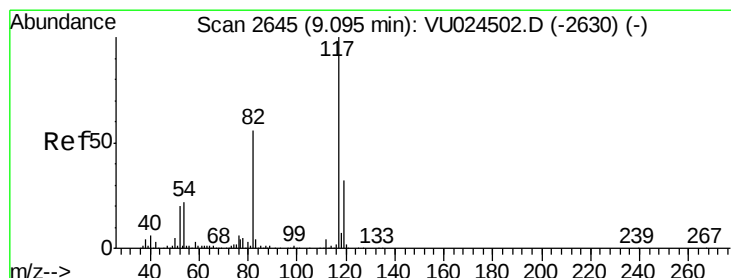
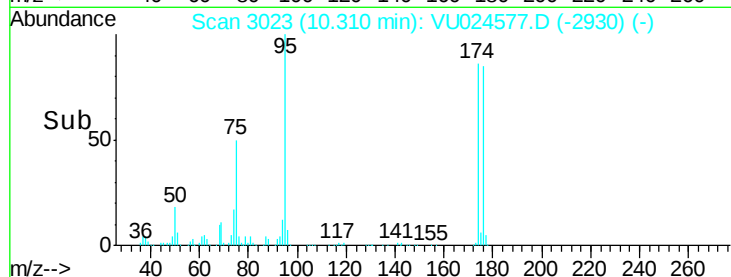
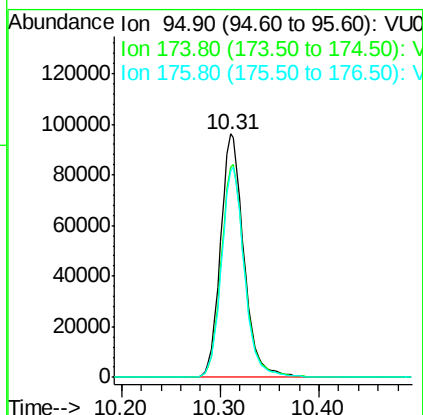
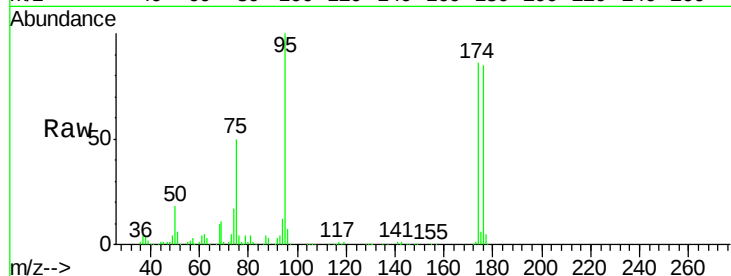




#62
4-Bromofluorobenzene
Concen: 47.737 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024577.D
Acq: 15 Jun 2018 06:22

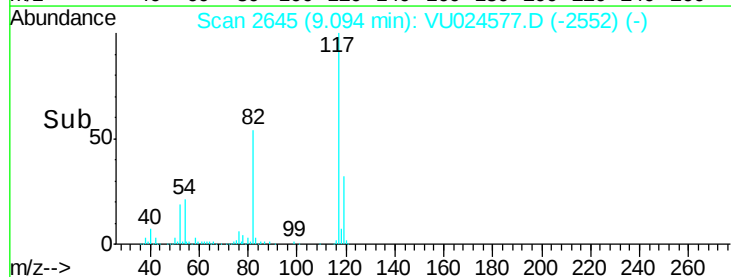
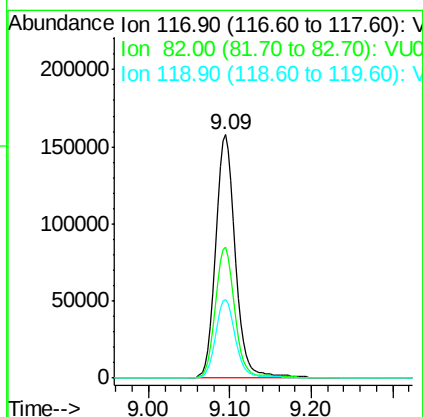
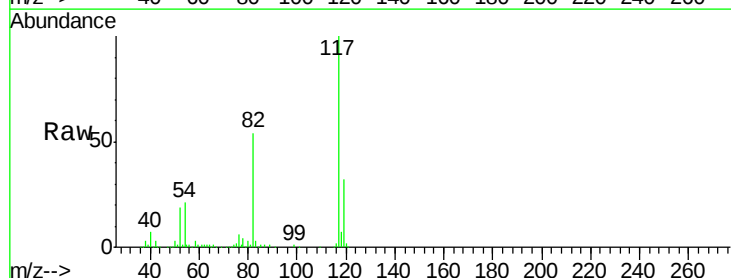
Instrument :
MSVOA_D
ClientSampleId :

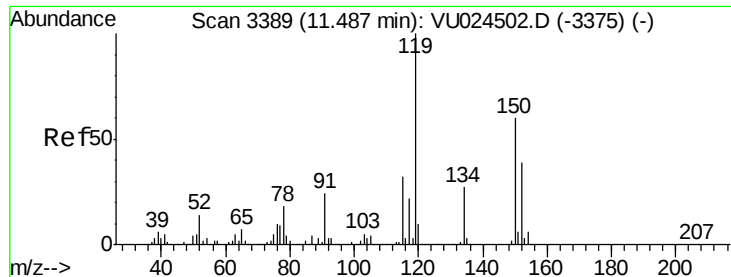
Tot Ion: 95 Resp: 159819
Ion Ratio Lower Upper
95 100
174 87.4 0.0 165.8
176 85.0 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024577.D
Acq: 15 Jun 2018 06:22

Tgt Ion: 117 Resp: 272190
Ion Ratio Lower Upper
117 100
82 53.6 44.3 66.5
119 32.5 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU024577.D

Acq: 15 Jun 2018 06:22

Instrument :

MSVOA_D

ClientSampleId :

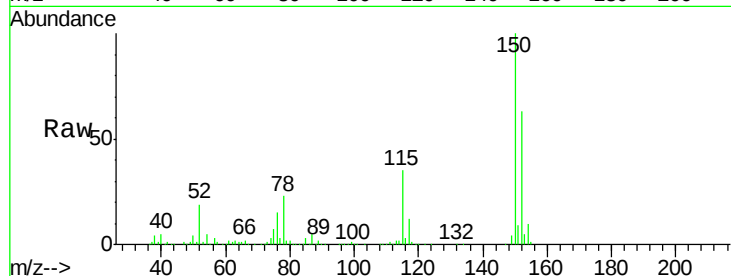
Tot Ion:152 Resp: 162091

Ion Ratio Lower Upper

152 100

115 55.9 43.0 129.0

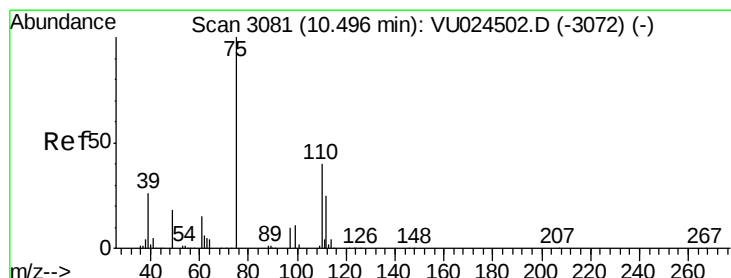
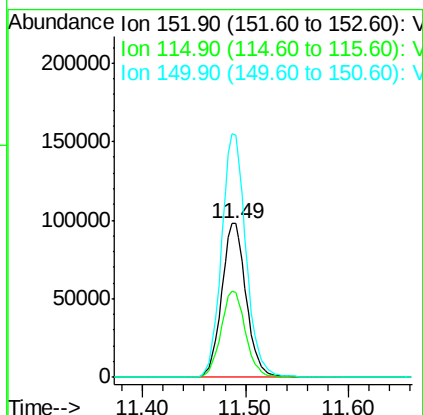
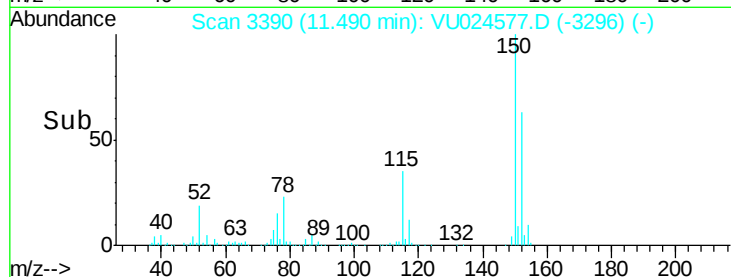
150 156.7 0.0 354.0



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: 22.189 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024577.D

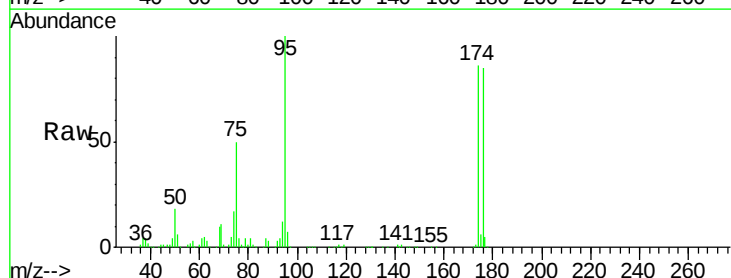
Acq: 15 Jun 2018 06:22

Tgt Ion: 75 Resp: 79184

Ion Ratio Lower Upper

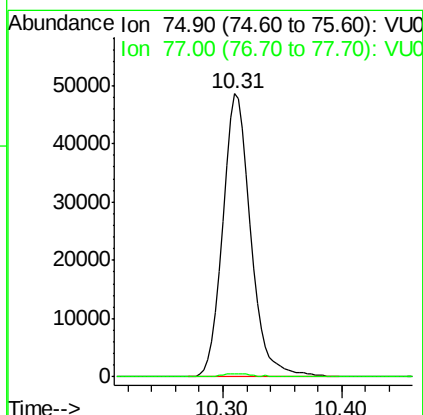
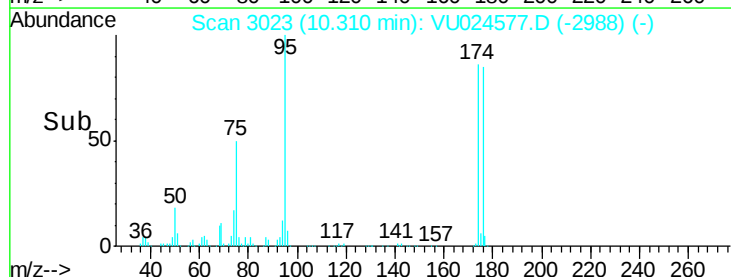
75 100

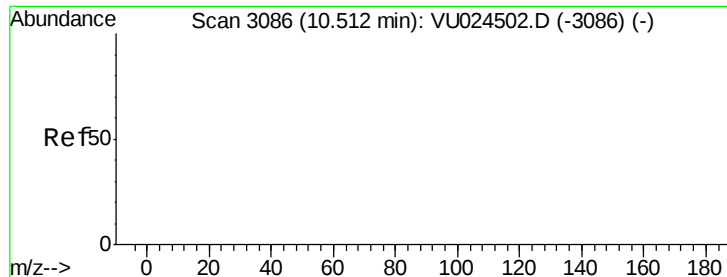
77 1.2 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

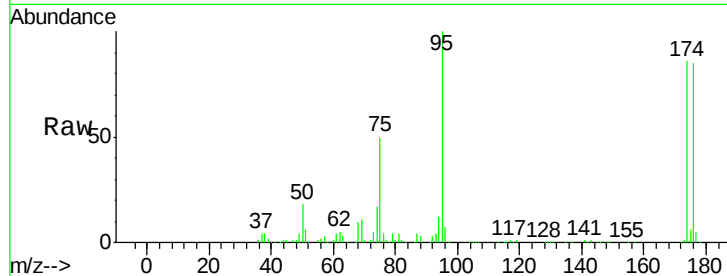




#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.354 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU024577.D
 Acq: 15 Jun 2018 06:22

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 79184
 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): VU0
 Ion 53.00 (52.70 to 53.70): VU0
 Ion 88.90 (88.60 to 89.60): VU0

