

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024574.D
 Acq On : 15 Jun 2018 05:13
 Operator : MD/SY
 Sample : J3478-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 05:55:14 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

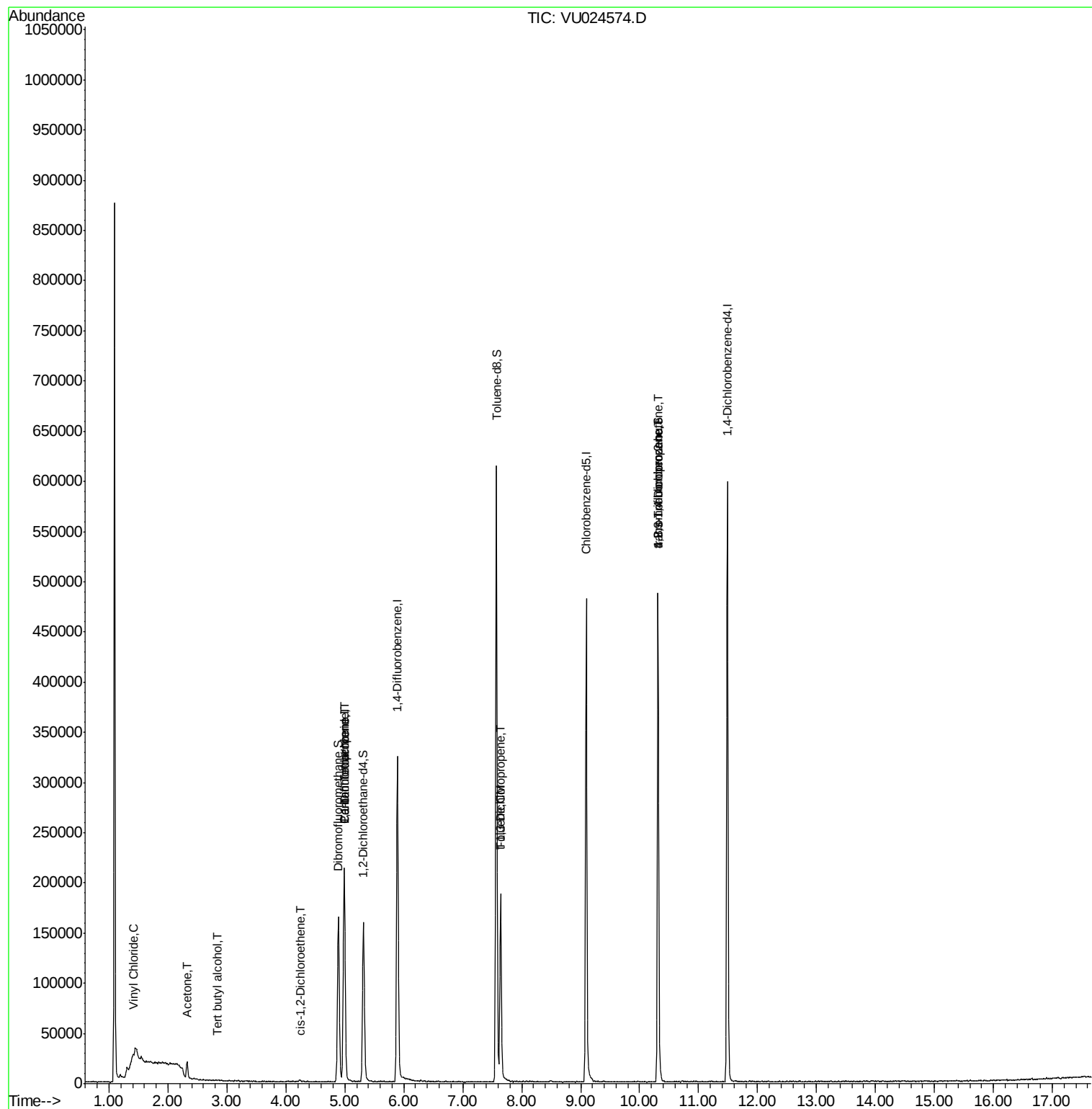
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	173847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	282582	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	276318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	164603	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	123267	43.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.86%	
35) Dibromofluoromethane	4.89	113	114161	48.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.36%	
50) Toluene-d8	7.57	98	421938	49.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	10.31	95	164353	48.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.78%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.41	62	1561	0.681	ug/l #	1
6) Chloroethane	1.86	64	725	Below Cal	#	46
8) Diethyl Ether	2.19	74	39	Below Cal		76
11) Tert butyl alcohol	2.84	59	159	0.230	ug/l #	1
16) Acetone	2.32	43	17104	11.216	ug/l	98
27) cis-1,2-Dichloroethene	4.24	96	1151	0.459	ug/l	48
31) Cyclohexane	4.98	56	3182	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	11864	3.573	ug/l #	51
38) Carbon Tetrachloride	4.99	117	15523	4.251	ug/l #	16
52) Toluene	7.64	92	79701	13.093	ug/l	99
53) t-1,3-Dichloropropene	7.64	75	899	0.227	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	80563	22.231	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	80563	51.451	ug/l #	100

(#) = 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: VU024574.D

Acq: 15 Jun 2018 05:13

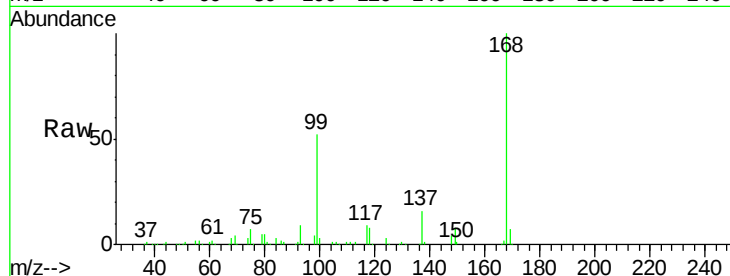
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 173847

Ion Ratio Lower Upper

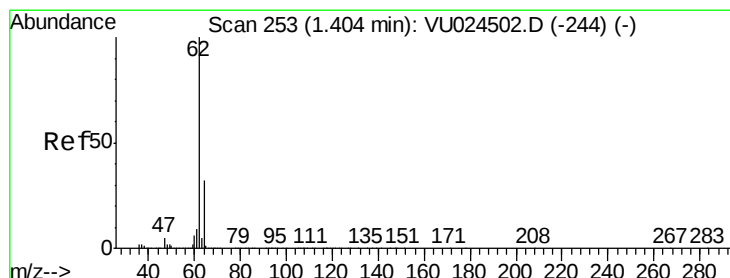
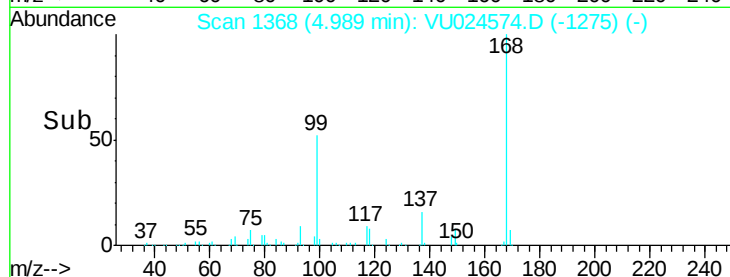
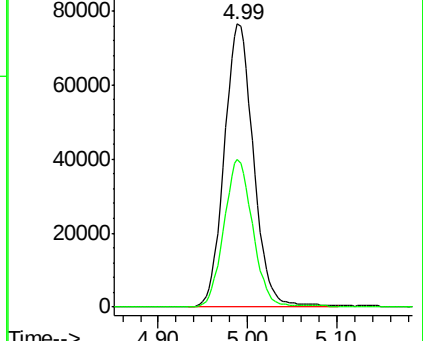
168 100

99 52.3 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#4

Vinyl Chloride

Concen: 0.681 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU024574.D

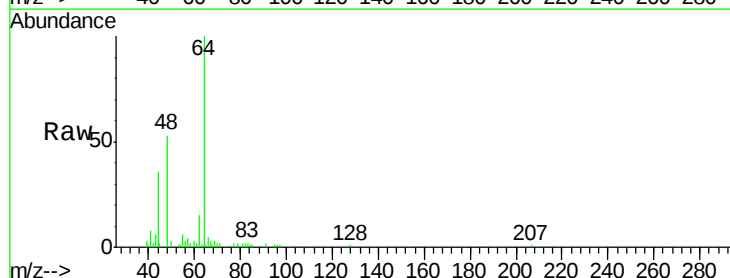
Acq: 15 Jun 2018 05:13

Tgt Ion: 62 Resp: 1561

Ion Ratio Lower Upper

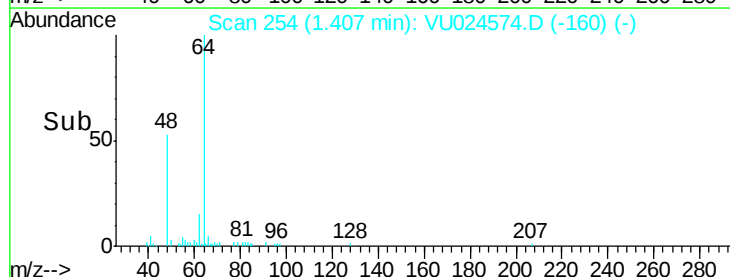
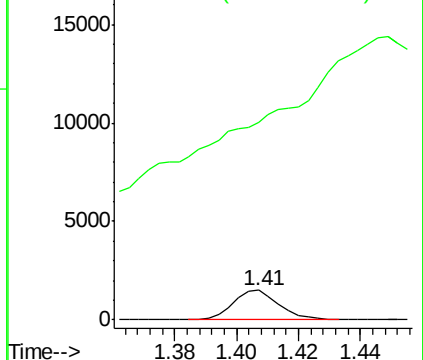
62 100

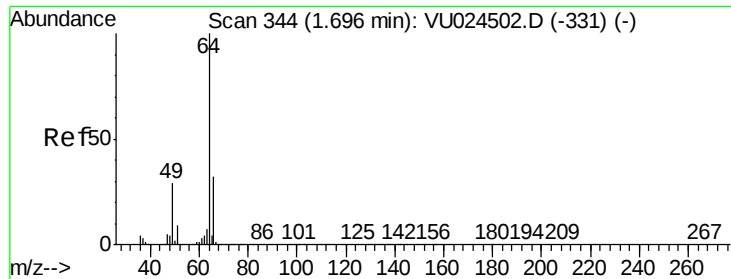
64 117.4 24.8 37.2#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#6

Chloroethane

Concen: Below Cal

RT: 1.86 min Scan# 396

Delta R.T. 0.17 min

Lab File: VU024574.D

Acq: 15 Jun 2018 05:13

Instrument :

MSVOA_U

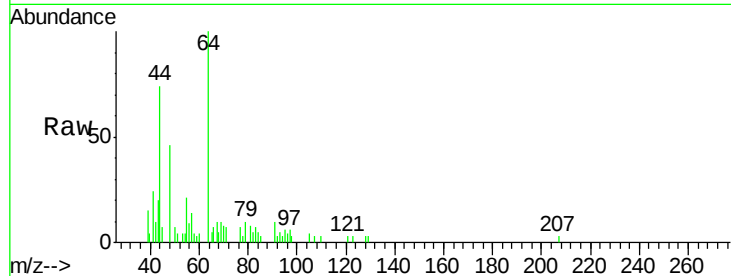
ClientSampleId :

Tot Ion: 64 Resp: 725

Ion Ratio Lower Upper

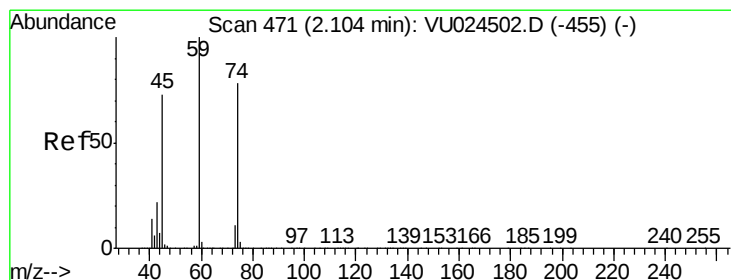
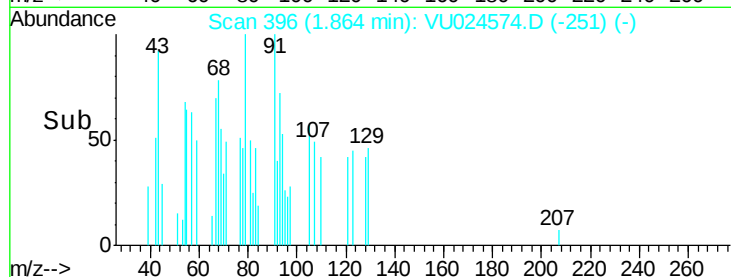
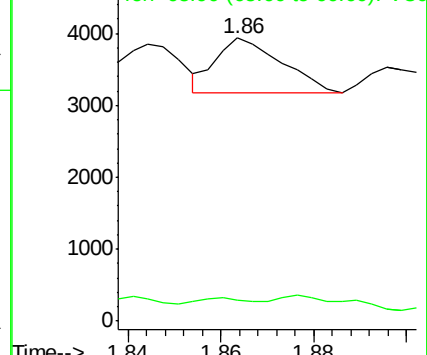
64 100

66 2.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.19 min Scan# 496

Delta R.T. 0.08 min

Lab File: VU024574.D

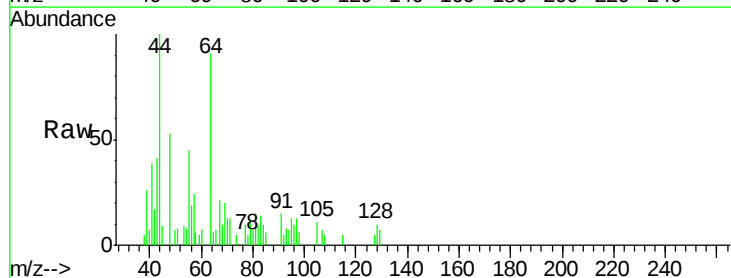
Acq: 15 Jun 2018 05:13

Tgt Ion: 74 Resp: 39

Ion Ratio Lower Upper

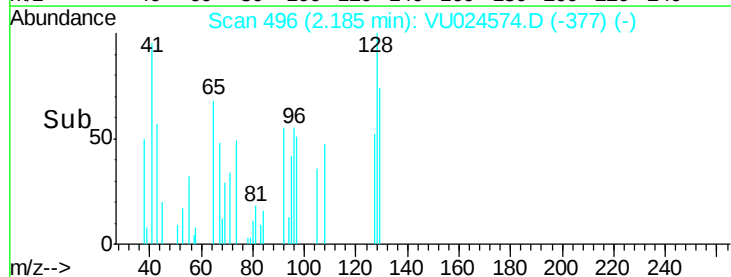
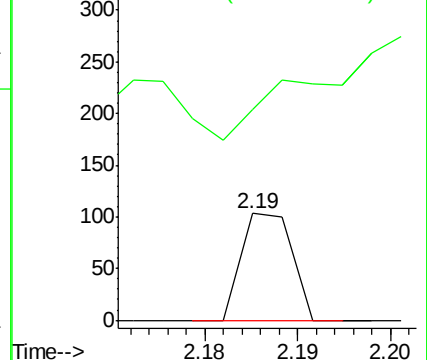
74 100

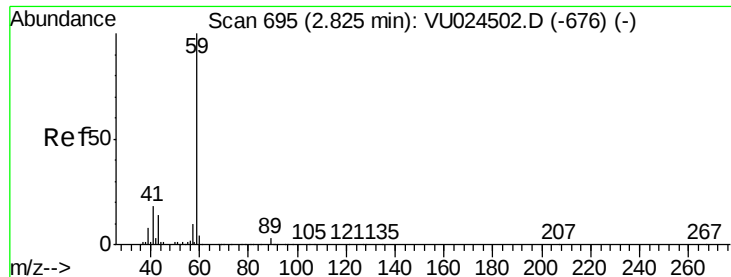
45 84.6 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

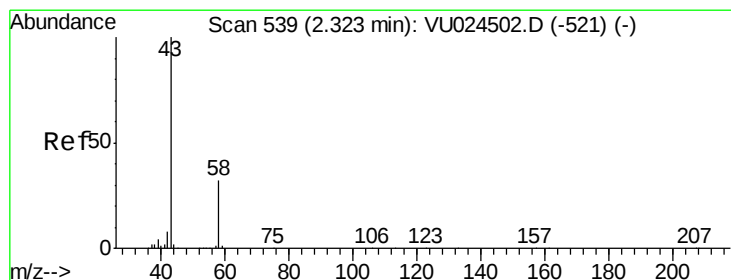
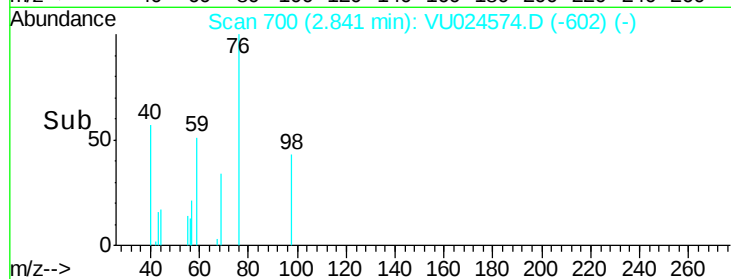
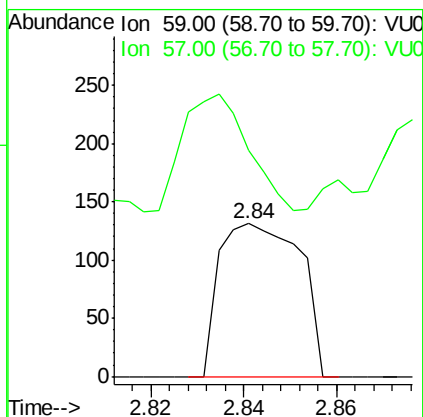
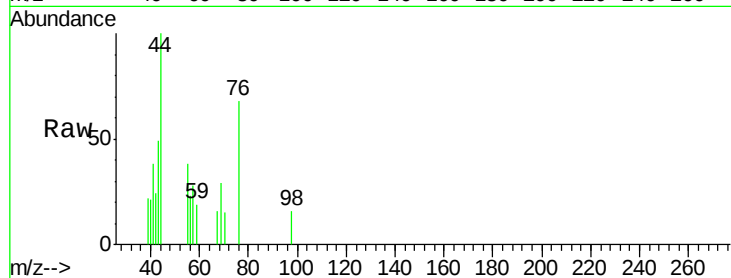




#11
Tert butyl alcohol
Concen: 0.230 ug/l
RT: 2.84 min Scan# 700
Delta R.T. 0.02 min
Lab File: VU024574.D
Acq: 15 Jun 2018 05:13

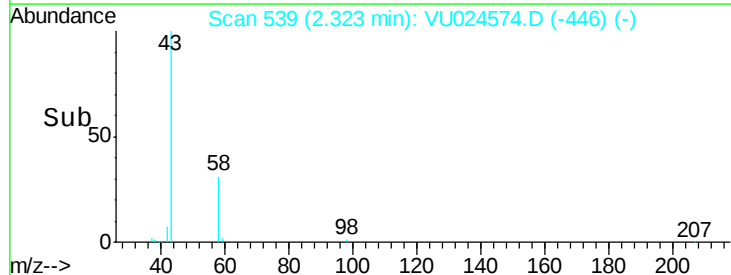
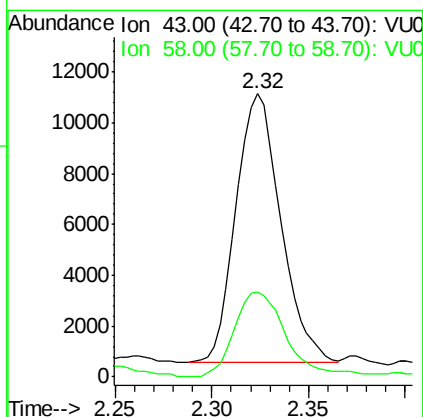
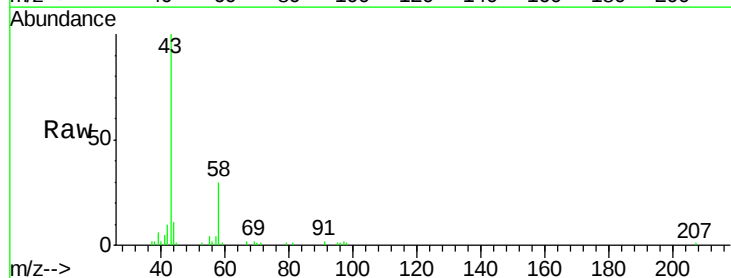
Instrument :
MSVOA_U
ClientSampled :

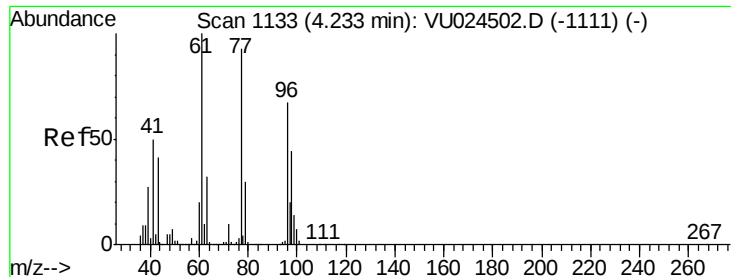
Tot Ion: 59 Resp: 159
Ion Ratio Lower Upper
59 100
57 64.2 8.5 12.7#



#16
Acetone
Concen: 11.216 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU024574.D
Acq: 15 Jun 2018 05:13

Tgt Ion: 43 Resp: 17104
Ion Ratio Lower Upper
43 100
58 31.4 24.4 36.6





#27

cis-1,2-Dichloroethene

Concen: 0.459 ug/l

RT: 4.24 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VU024574.D

Acq: 15 Jun 2018 05:13

Instrument :
MSVOA_U
ClientSampleId :

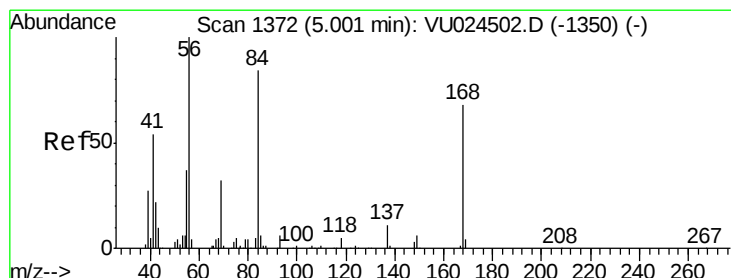
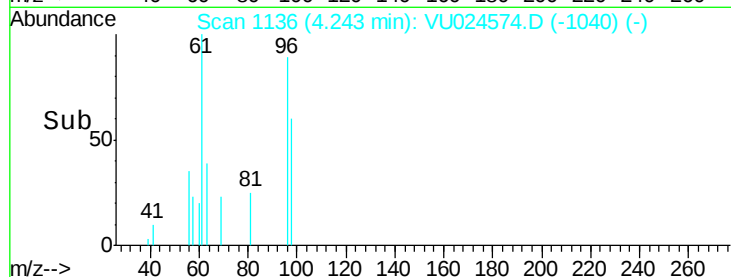
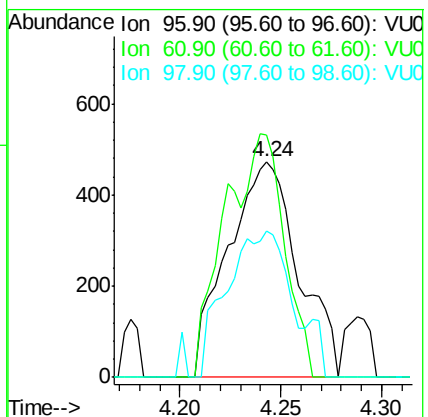
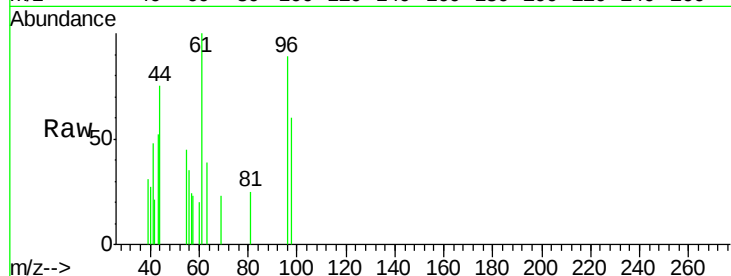
Tot Ion: 96 Resp: 1151

Ion Ratio Lower Upper

96 100

61 59.1 0.0 306.6

98 64.4 0.0 128.8



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1366

Delta R.T. -0.02 min

Lab File: VU024574.D

Acq: 15 Jun 2018 05:13

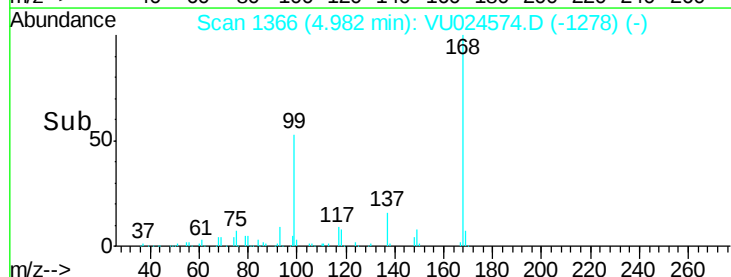
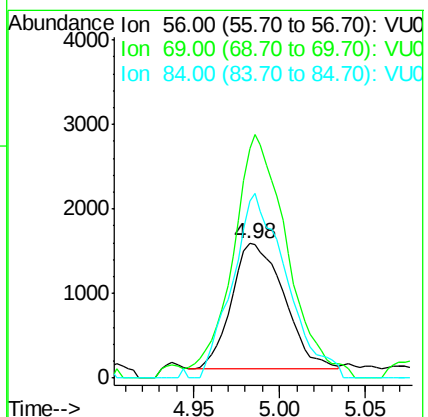
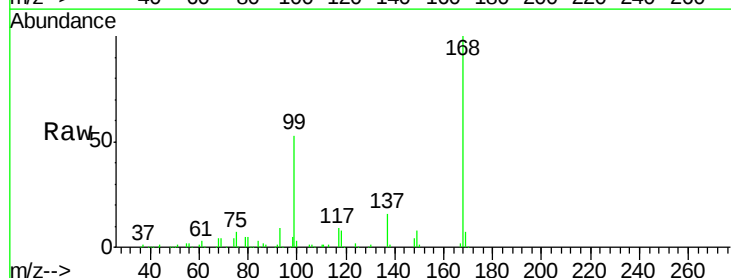
Tgt Ion: 56 Resp: 3182

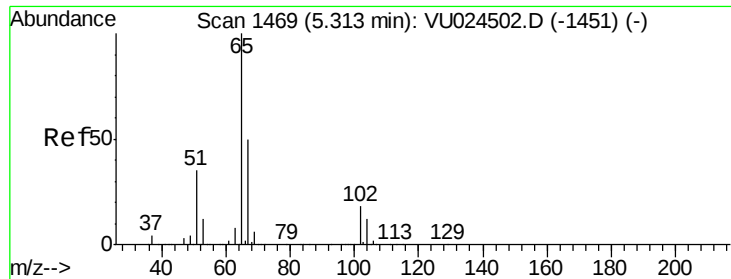
Ion Ratio Lower Upper

56 100

69 174.6 24.8 37.2#

84 140.9 65.2 97.8#





#33

1,2-Dichloroethane-d4

Concen: 43.433 ug/l

RT: 5.32 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VU024574.D

Acq: 15 Jun 2018 05:13

Instrument :

MSVOA_U

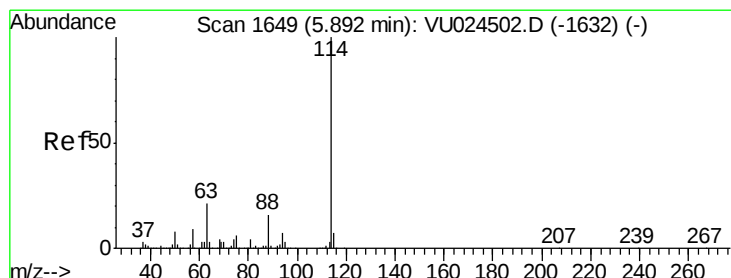
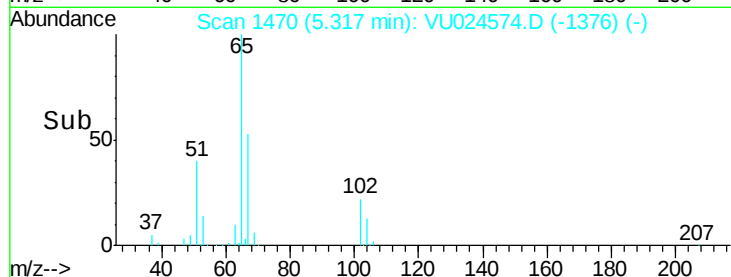
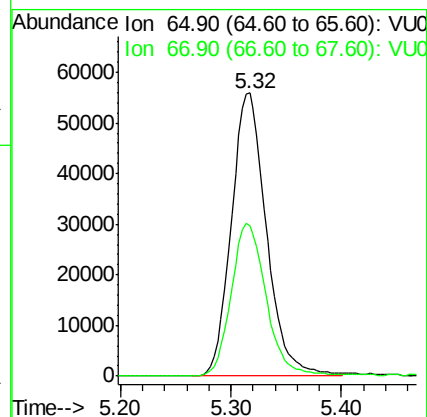
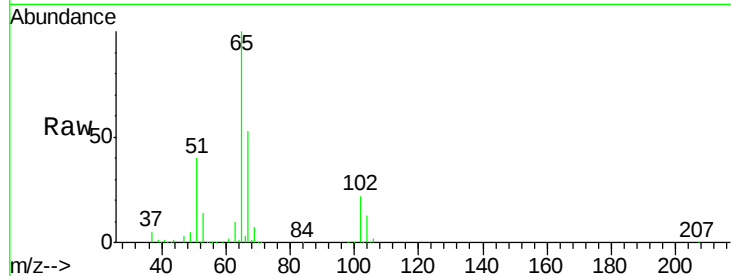
ClientSampled :

Tot Ion: 65 Resp: 123267

Ion Ratio Lower Upper

65 100

67 53.7 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: VU024574.D

Acq: 15 Jun 2018 05:13

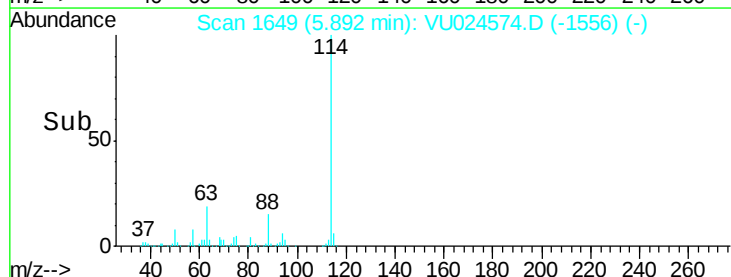
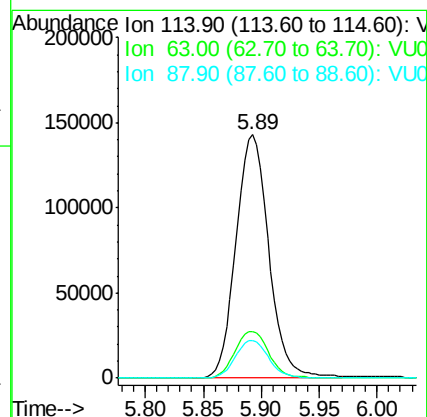
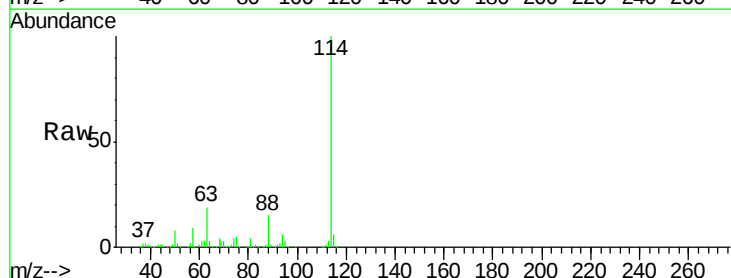
Tgt Ion: 114 Resp: 282582

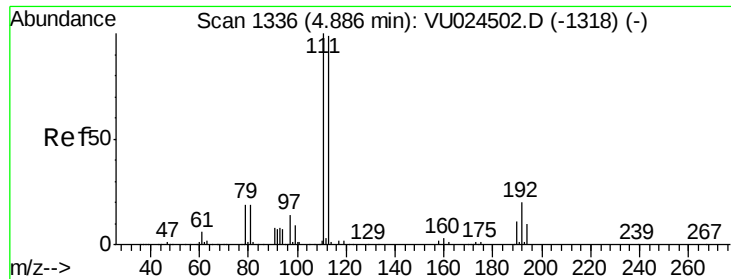
Ion Ratio Lower Upper

114 100

63 19.2 0.0 45.4

88 15.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.678 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024574.D

Acq: 15 Jun 2018 05:13

Instrument :
MSVOA_U
ClientSampleId :

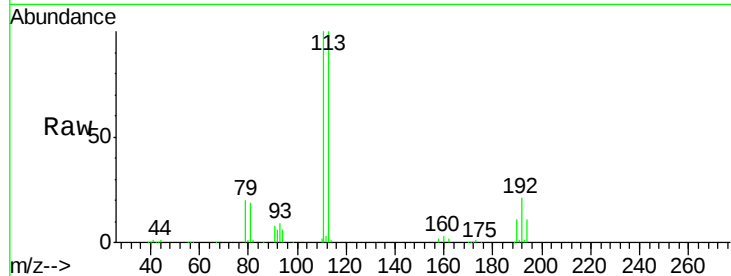
Tot Ion:113 Resp: 114161

Ion Ratio Lower Upper

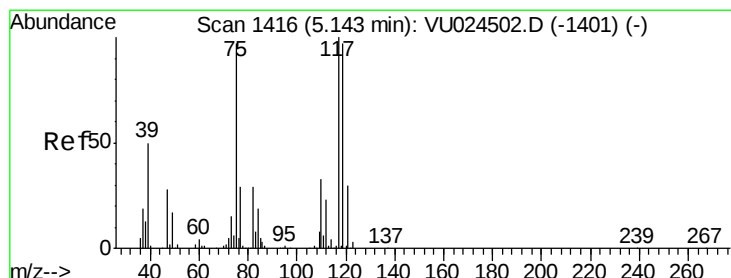
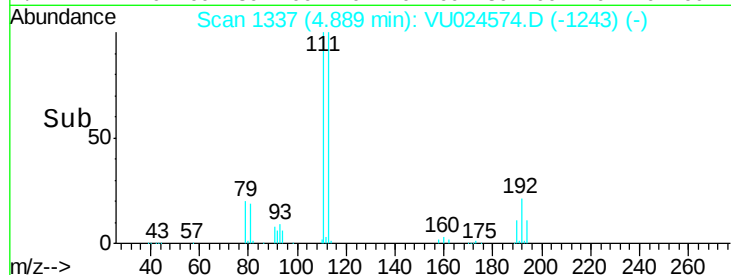
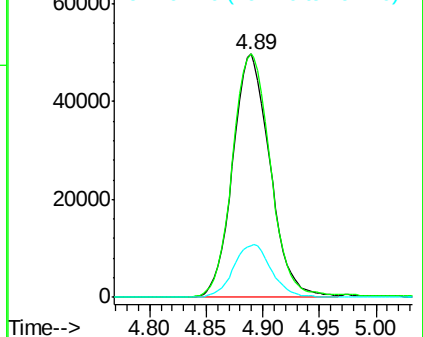
113 100

111 102.4 82.2 123.4

192 22.2 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: 3.573 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024574.D

Acq: 15 Jun 2018 05:13

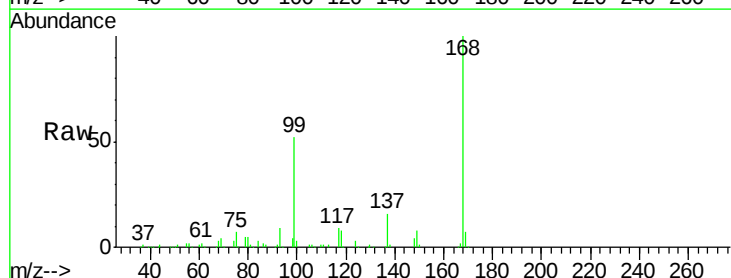
Tgt Ion: 75 Resp: 11864

Ion Ratio Lower Upper

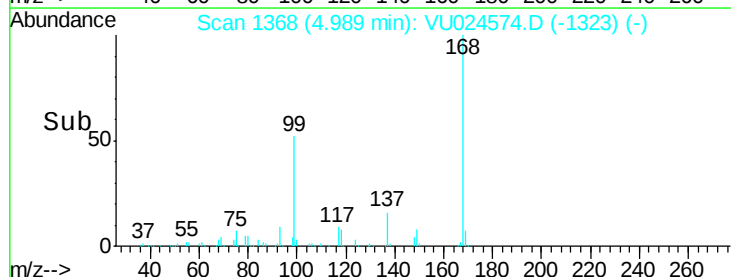
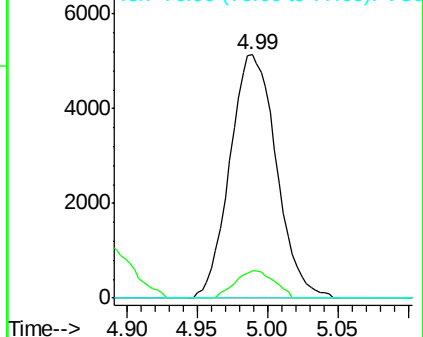
75 100

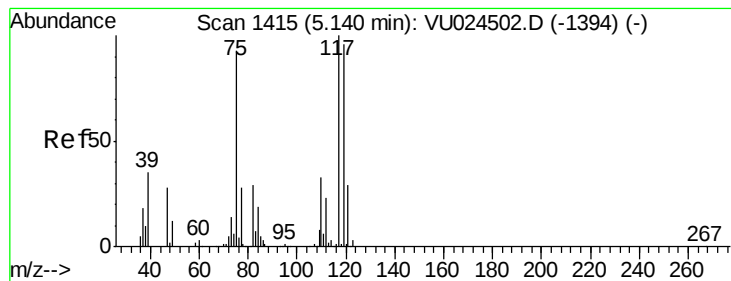
110 9.4 17.0 50.9#

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: 4.251 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024574.D

Acq: 15 Jun 2018 05:13

Instrument :

MSVOA_U

ClientSampled :

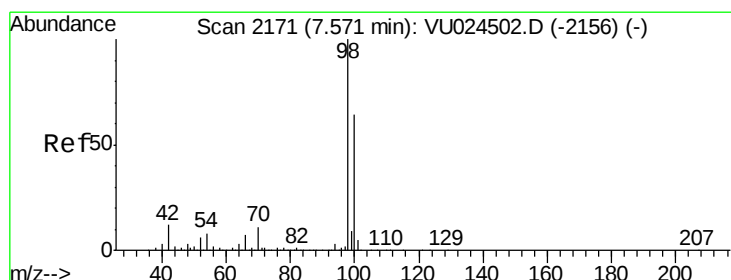
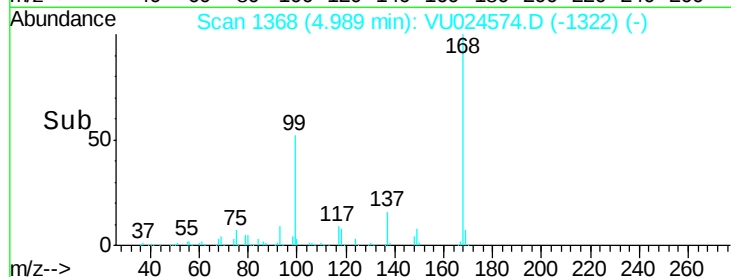
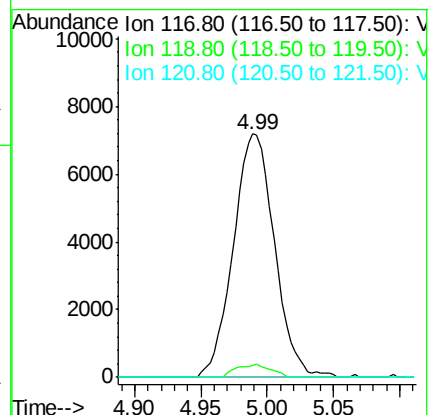
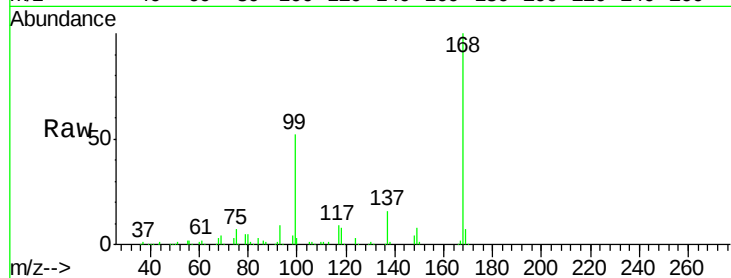
Tot Ion:117 Resp: 15523

Ion Ratio Lower Upper

117 100

119 4.9 76.1 114.1#

121 0.0 23.7 35.5#



#50

Toluene-d8

Concen: 49.324 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU024574.D

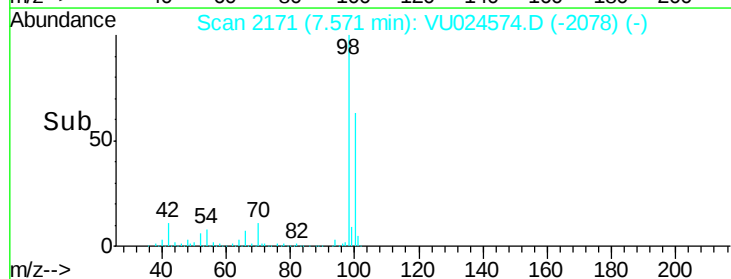
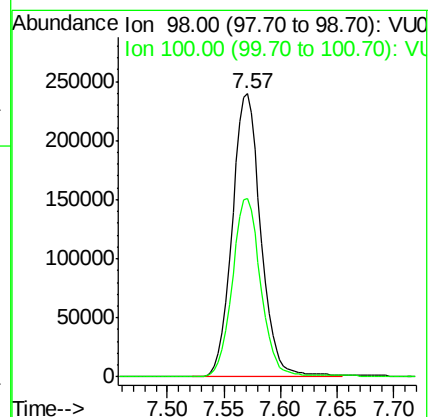
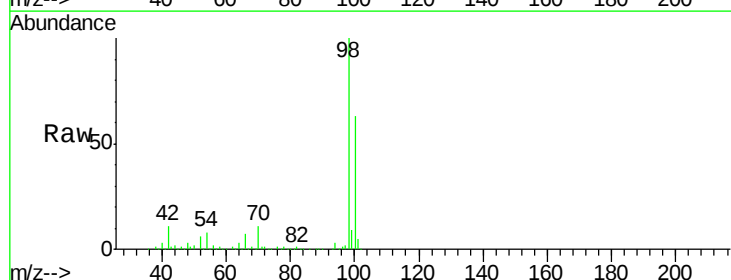
Acq: 15 Jun 2018 05:13

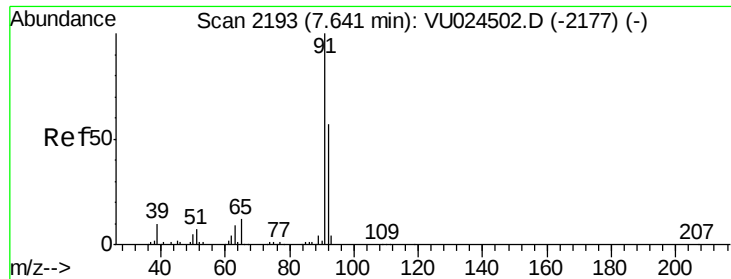
Tgt Ion: 98 Resp: 421938

Ion Ratio Lower Upper

98 100

100 63.0 51.1 76.7





#52

Toluene

Concen: 13.093 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024574.D

Acq: 15 Jun 2018 05:13

Instrument :

MSVOA_U

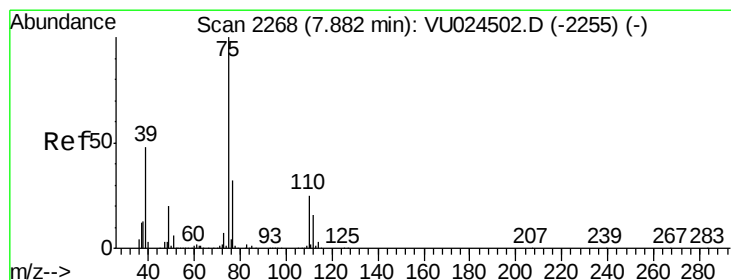
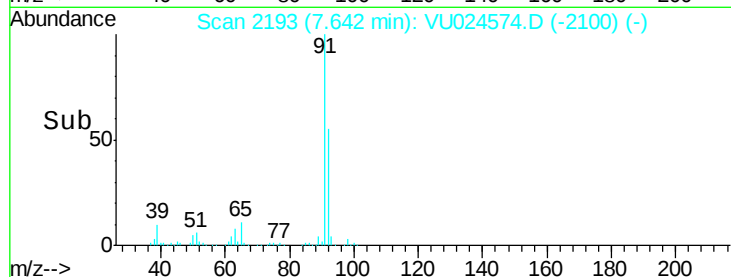
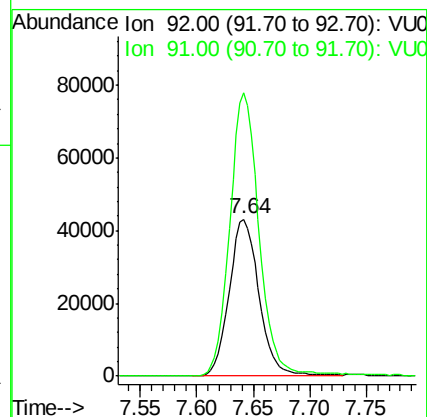
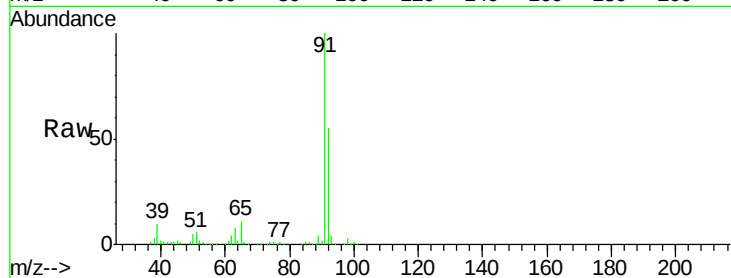
ClientSampleId :

Tot Ion: 92 Resp: 79701

Ion Ratio Lower Upper

92 100

91 177.0 140.5 210.7



#53

t-1,3-Dichloropropene

Concen: 0.227 ug/l

RT: 7.64 min Scan# 2194

Delta R.T. -0.24 min

Lab File: VU024574.D

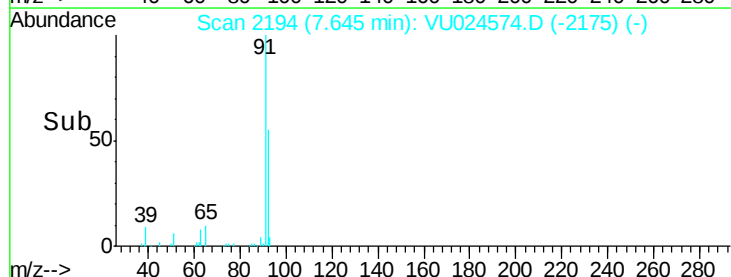
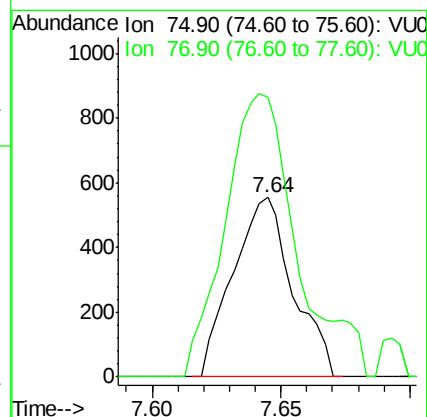
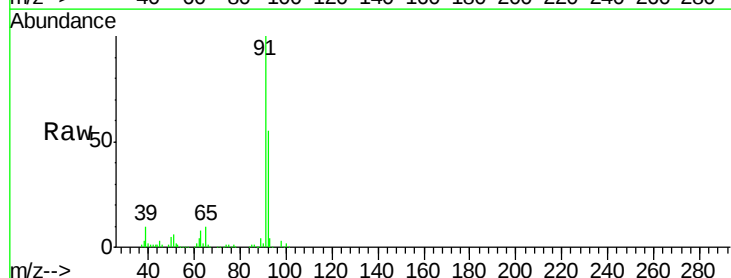
Acq: 15 Jun 2018 05:13

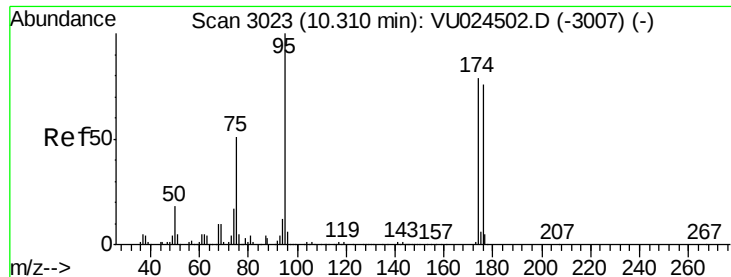
Tgt Ion: 75 Resp: 899

Ion Ratio Lower Upper

75 100

77 135.3 24.8 37.2#





#62

4-Bromofluorobenzene

Concen: 48.390 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024574.D

Acq: 15 Jun 2018 05:13

Instrument :

MSVOA_U

ClientSampleId :

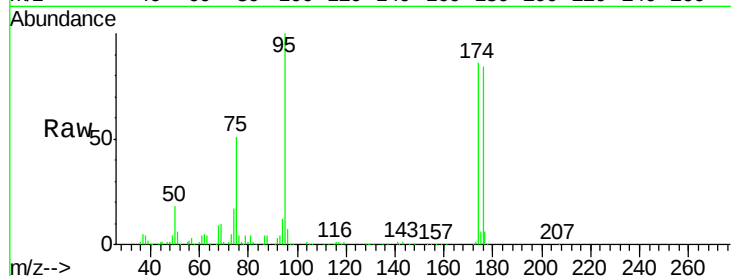
Tot Ion: 95 Resp: 164353

Ion Ratio Lower Upper

95 100

174 86.2 0.0 165.8

176 84.8 0.0 159.4

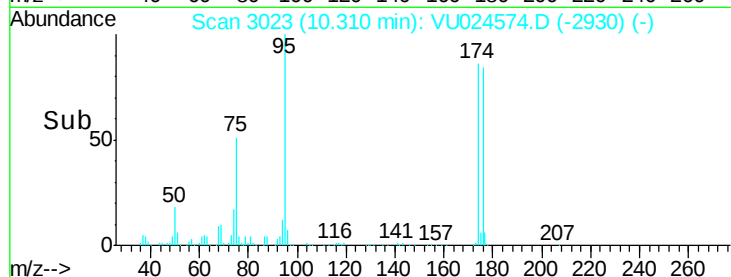


Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

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

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

Time-->

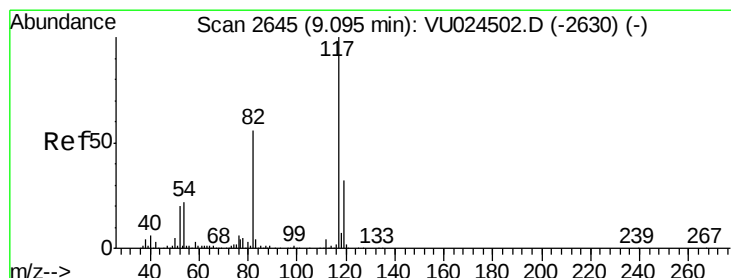


Abundance Ion 94.90 (94.60 to 95.60): VU024574.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU024574.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU024574.D (-2930) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU024574.D

Acq: 15 Jun 2018 05:13

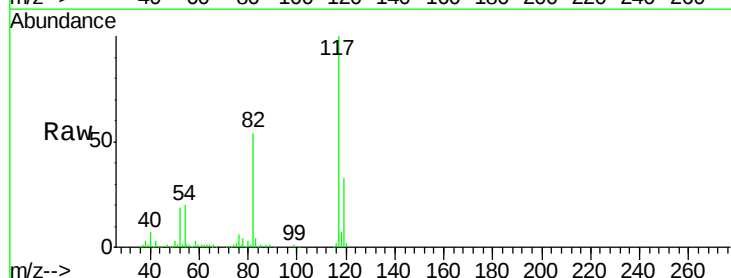
Tgt Ion: 117 Resp: 276318

Ion Ratio Lower Upper

117 100

82 53.8 44.3 66.5

119 32.6 25.4 38.2

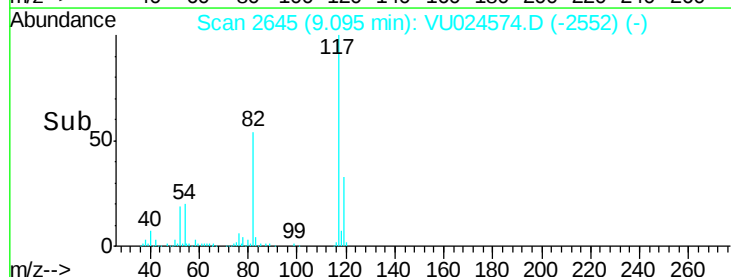


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

Ion 82.00 (81.70 to 82.70): VU024502.D (-2630) (-)

Ion 118.90 (118.60 to 119.60): VU024502.D (-2630) (-)

Time-->

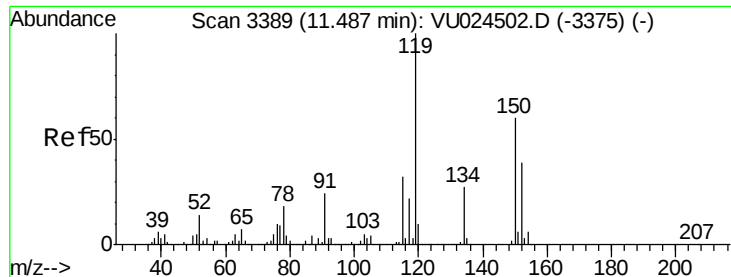


Abundance Ion 116.90 (116.60 to 117.60): VU024574.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU024574.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU024574.D (-2552) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024574.D

Acq: 15 Jun 2018 05:13

Instrument :

MSVOA_U

ClientSampled :

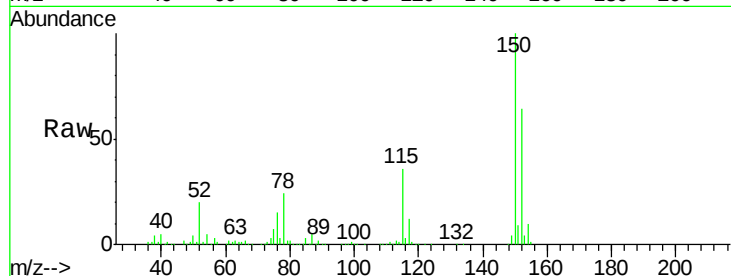
Tot Ion:152 Resp: 164603

Ion Ratio Lower Upper

152 100

115 55.8 43.0 129.0

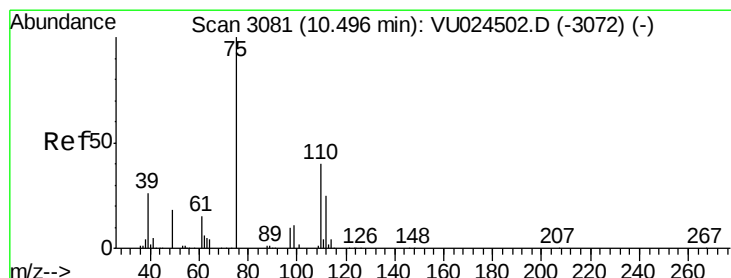
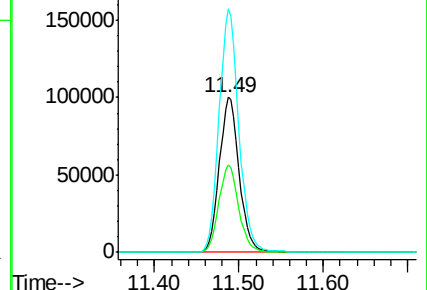
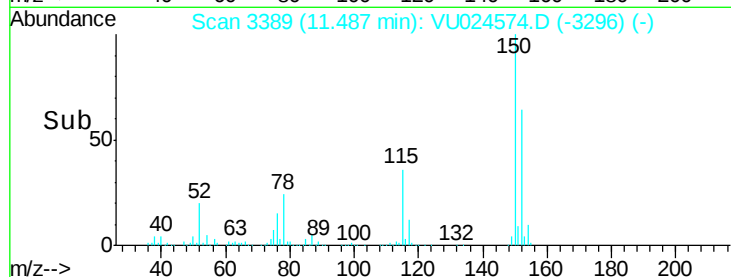
150 155.0 0.0 354.0



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: 22.231 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024574.D

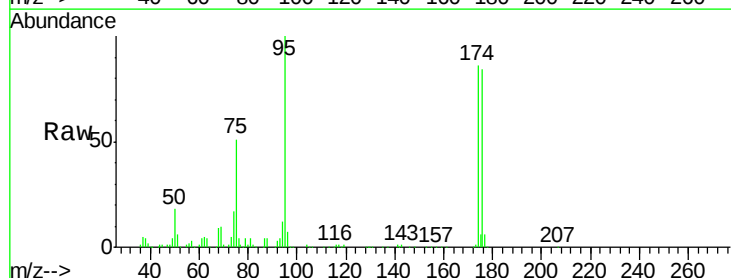
Acq: 15 Jun 2018 05:13

Tgt Ion: 75 Resp: 80563

Ion Ratio Lower Upper

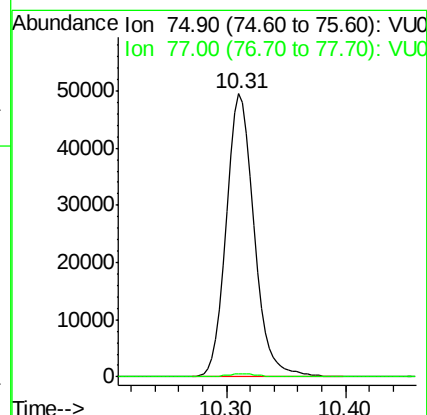
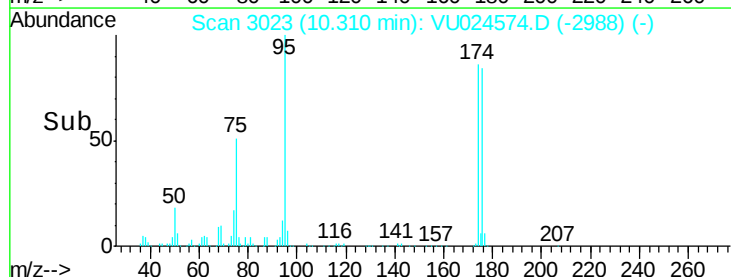
75 100

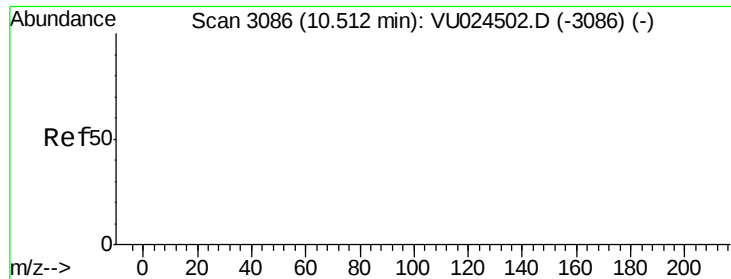
77 1.2 20.9 62.7#



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: 51.451 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024574.D

Acq: 15 Jun 2018 05:13

Instrument :

MSVOA_U

ClientSampleId :

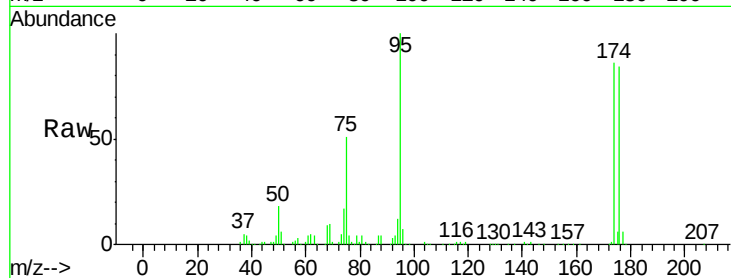
Tot Ion: 75 Resp: 80563

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

