

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062318\
 Data File : VU024857.D
 Acq On : 23 Jun 2018 01:29
 Operator : MD/SY
 Sample : J3662-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

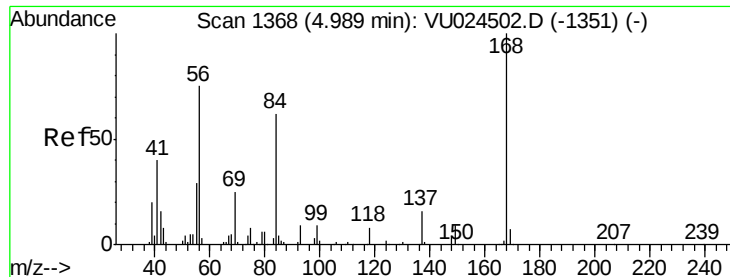
Quant Time: Jun 23 02:19:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	199516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	299534	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	279243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	151443	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	149072	45.77	ug/l	0.00
Spiked Amount			Recovery	=	91.54%	
35) Dibromofluoromethane	4.89	113	114258	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	
50) Toluene-d8	7.57	98	436145	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
62) 4-Bromofluorobenzene	10.31	95	162822	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.40	50	28764	11.27	ug/l	# 42
4) Vinyl Chloride	1.40	62	4150966	1577.60	ug/l	98
5) Bromomethane	1.63	94	317	0.25	ug/l	87
10) Methyl Iodide	2.42	142	70	5.32	ug/l	# 40
11) Tert butyl alcohol	2.82	59	3465	4.37	ug/l	# 92
12) 1,1-Dichloroethene	2.29	96	47628	20.96	ug/l	91
13) Acrolein	2.19	56	216	0.52	ug/l	# 68
16) Acetone	2.32	43	1632	0.93	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	78703	31.45	ug/l	95
24) 1,1-Dichloroethane	3.45	63	117583	24.44	ug/l	99
27) cis-1,2-Dichloroethene	4.24	96	14122272	4909.35	ug/l	88
29) Tetrahydrofuran	4.65	42	729	0.50	ug/l	# 39
31) Cyclohexane	4.99	56	6549	Below Cal		# 53
36) 1,1-Dichloropropene	4.99	75	14678	4.17	ug/l	# 50
38) Carbon Tetrachloride	4.99	117	18742	4.84	ug/l	# 16
40) Benzene	5.40	78	100856	10.06	ug/l	100
42) 1,2-Dichloroethane	5.40	62	2809	0.74	ug/l	81
44) Trichloroethene	6.19	130	282482	98.97	ug/l	97
45) 1,2-Dichloropropane	6.18	63	1260	0.47	ug/l	# 1
52) Toluene	7.64	92	5379	0.83	ug/l	94
55) 1,1,2-Trichloroethane	8.08	97	1883	0.72	ug/l	87
59) 2-Hexanone	8.17	43	4065	1.20	ug/l	70
60) Dibromochloromethane	8.23	129	3843	1.17	ug/l	# 11
64) Tetrachloroethene	8.23	164	4598	1.73	ug/l	89
65) Chlorobenzene	9.12	112	373596	52.37	ug/l	99
76) 1,2,3-Trichloropropane	10.31	75	83203	24.95	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	10.31	75	83203	57.75	ug/l	# 100
87) 1,3-Dichlorobenzene	11.42	146	5486	1.01	ug/l	94
88) 1,4-Dichlorobenzene	11.51	146	7473	1.37	ug/l	93
91) 1,2-Dichlorobenzene	11.89	146	27381	5.03	ug/l	100
95) Naphthalene	13.78	128	39	0.68	ug/l	# 69

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

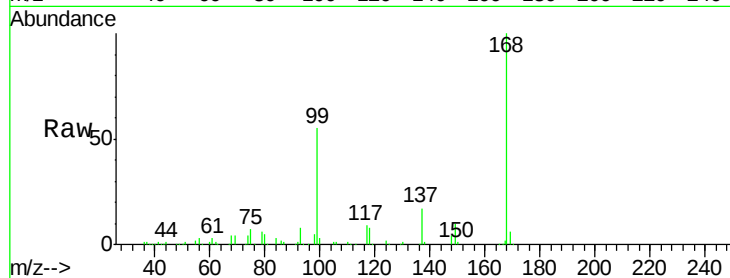
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 199516

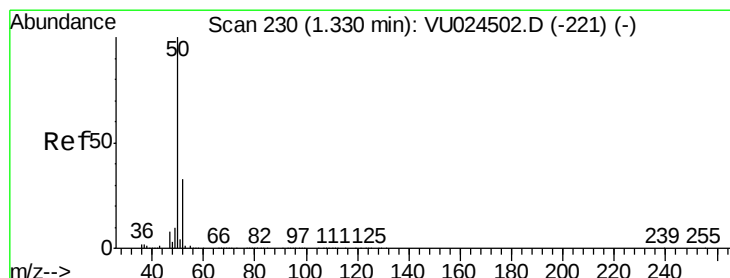
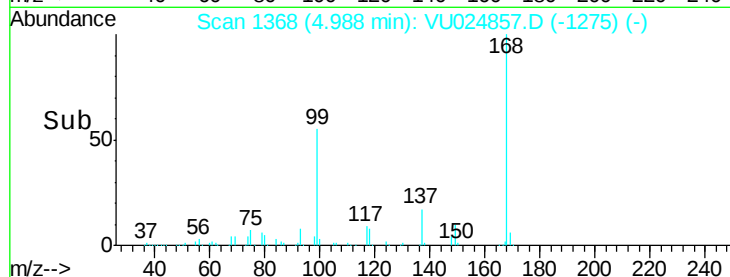
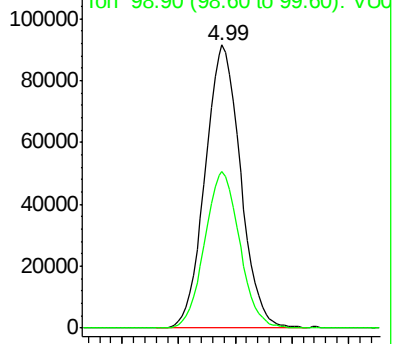
Ion Ratio Lower Upper

168 100

99 55.2 43.2 64.8



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



#3

Chloromethane

Concen: 11.27 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.07 min

Lab File: VU024857.D

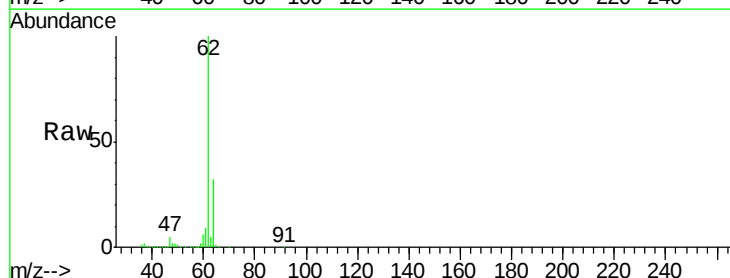
Acq: 23 Jun 2018 01:29

Tgt Ion: 50 Resp: 28764

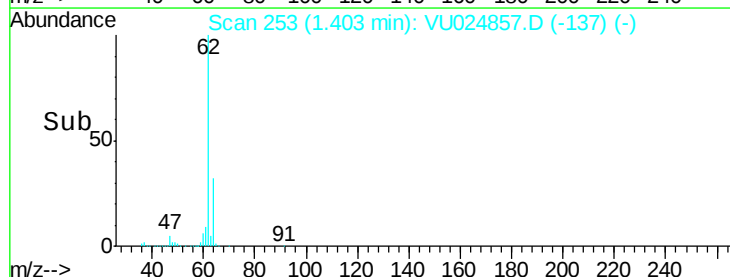
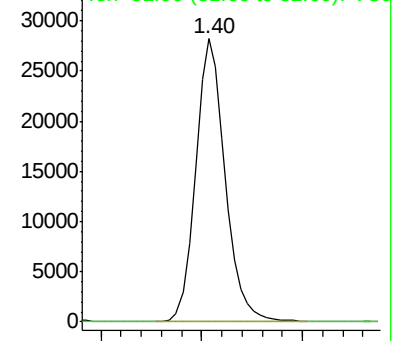
Ion Ratio Lower Upper

50 100

52 0.0 26.4 39.6#



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





#4

Vinyl Chloride

Concen: 1577.60 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

Instrument :

MSVOA_U

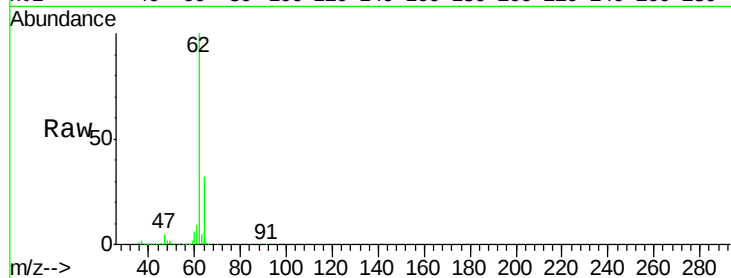
ClientSampled :

Tot Ion: 62 Resp: 4150966

Ion Ratio Lower Upper

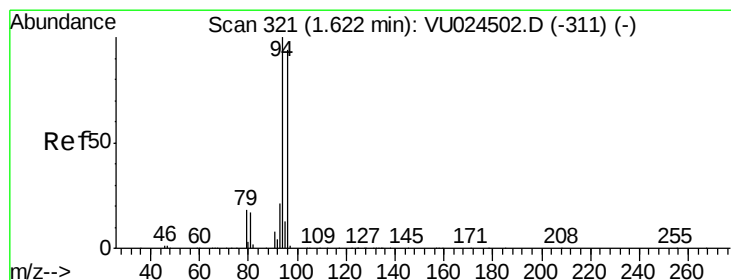
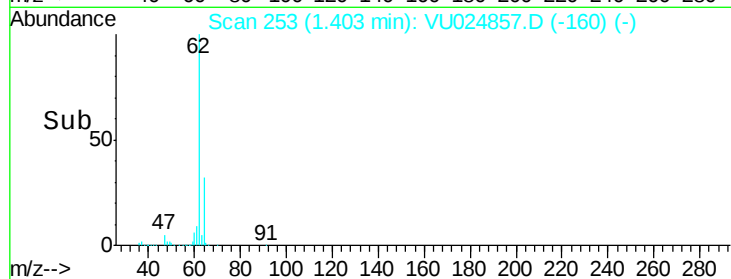
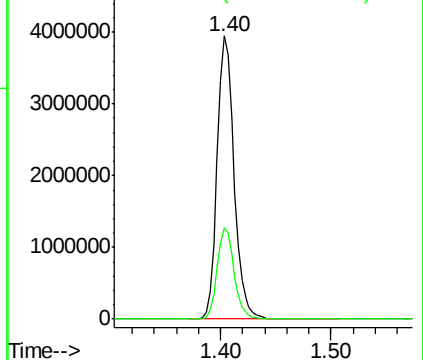
62 100

64 32.3 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#5

Bromomethane

Concen: 0.25 ug/l

RT: 1.63 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024857.D

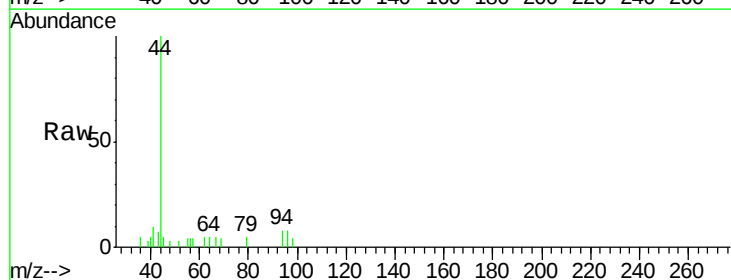
Acq: 23 Jun 2018 01:29

Tgt Ion: 94 Resp: 317

Ion Ratio Lower Upper

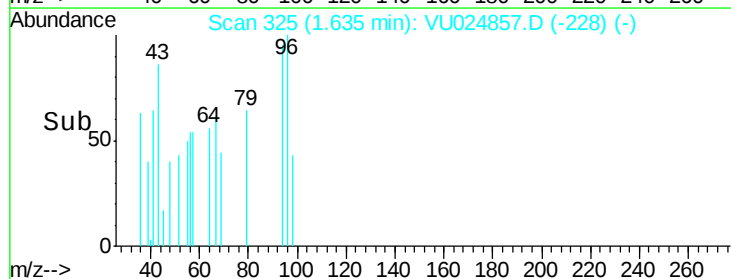
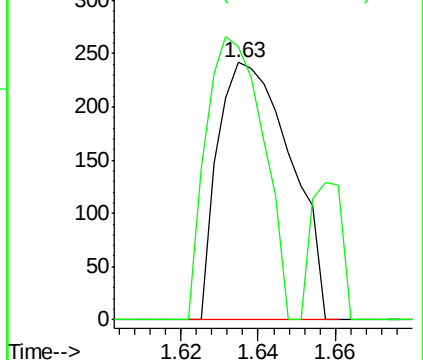
94 100

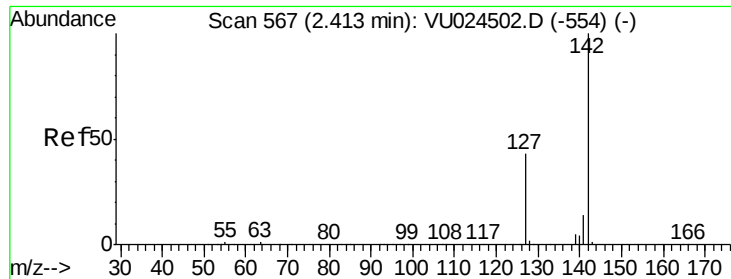
96 105.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

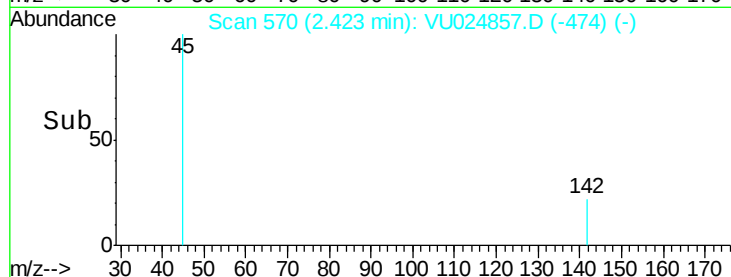
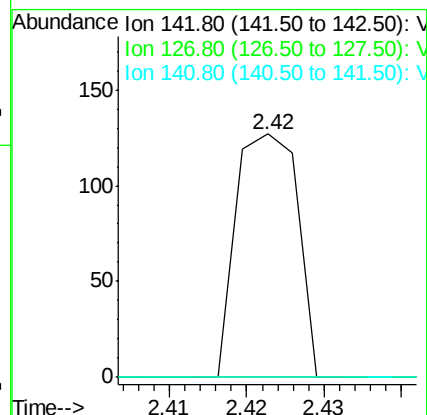
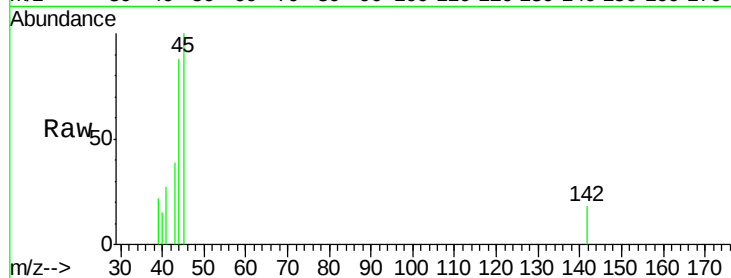




#10
Methvl Iodide
Concen: 5.32 ug/l
RT: 2.42 min Scan# 570
Delta R.T. 0.01 min
Lab File: VU024857.D
Acq: 23 Jun 2018 01:29

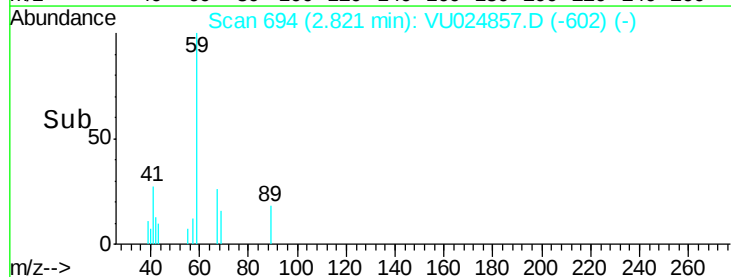
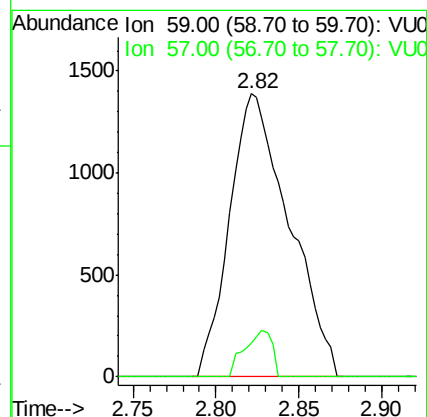
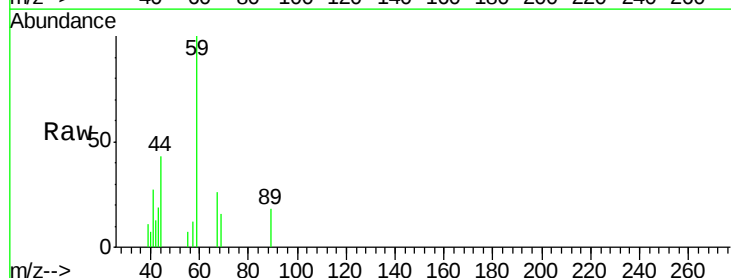
Instrument :
MSVOA_U
ClientSampleId :

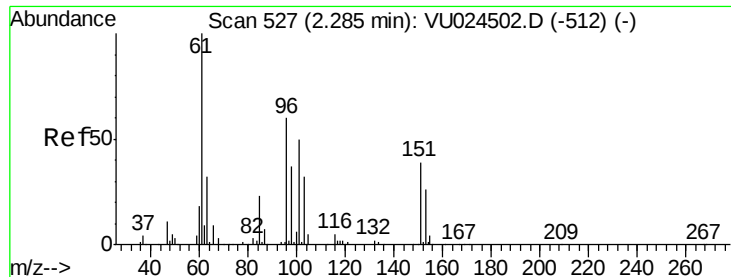
Tot Ion:142 Resp: 70
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 4.37 ug/l
RT: 2.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VU024857.D
Acq: 23 Jun 2018 01:29

Tgt Ion: 59 Resp: 3465
Ion Ratio Lower Upper
59 100
57 7.4 8.5 12.7#





#12

1,1-Dichloroethene

Concen: 20.96 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.01 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

Instrument :

MSVOA_U

ClientSampled :

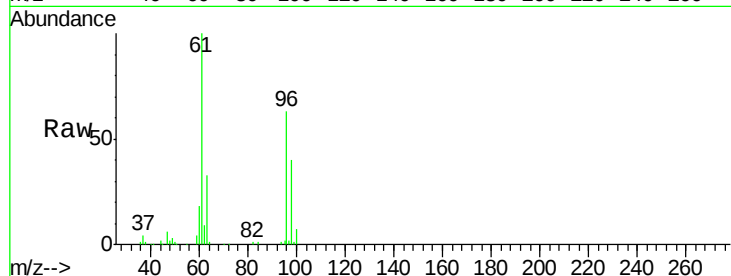
Tot Ion: 96 Resp: 47628

Ion Ratio Lower Upper

96 100

61 160.0 141.7 212.5

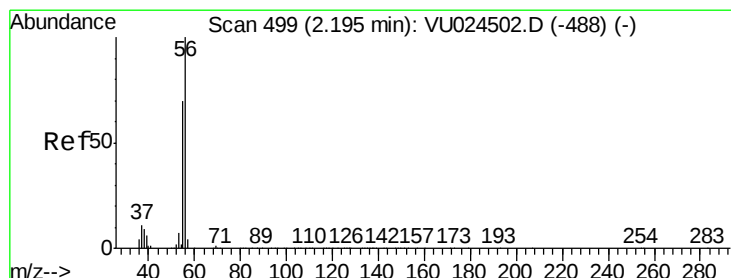
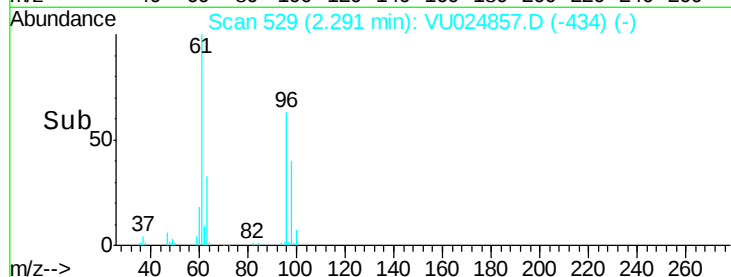
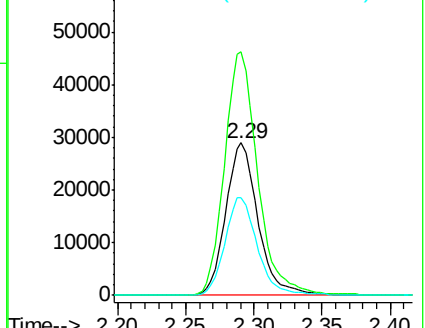
98 64.3 51.6 77.4



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



#13

Acrolein

Concen: 0.52 ug/l

RT: 2.19 min Scan# 497

Delta R.T. -0.01 min

Lab File: VU024857.D

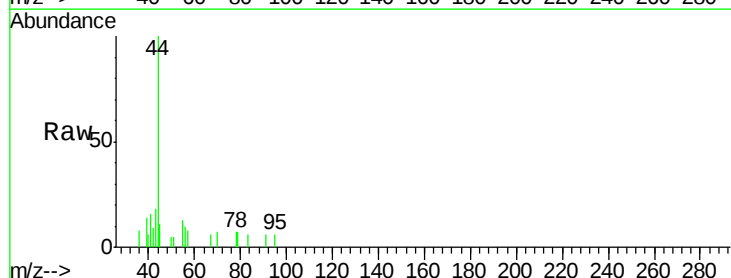
Acq: 23 Jun 2018 01:29

Tgt Ion: 56 Resp: 216

Ion Ratio Lower Upper

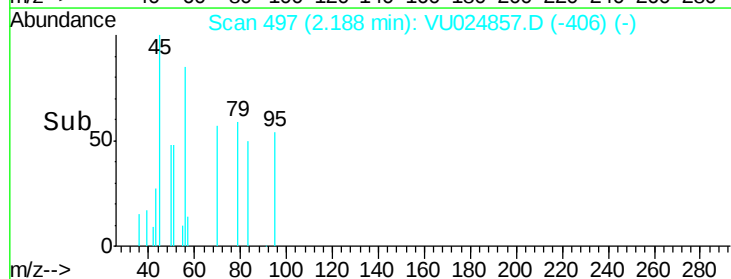
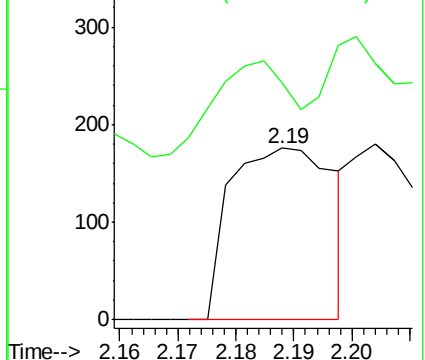
56 100

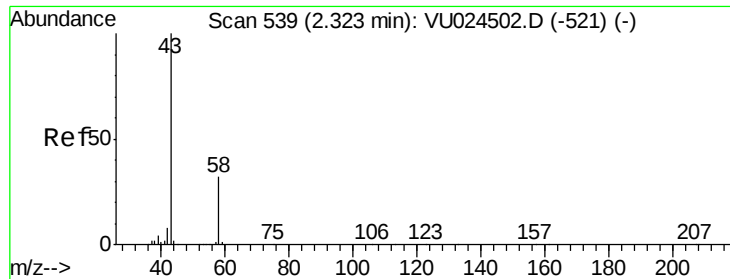
55 46.3 58.4 87.6#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0





#16

Acetone

Concen: 0.93 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

Instrument :

MSVOA_U

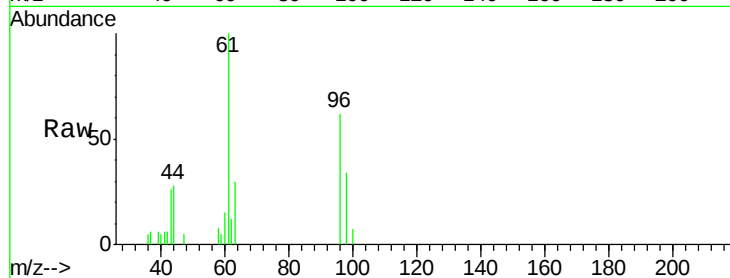
ClientSampleId :

Tot Ion: 43 Resp: 1632

Ion Ratio Lower Upper

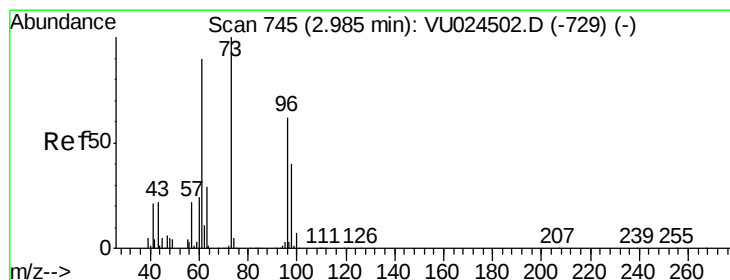
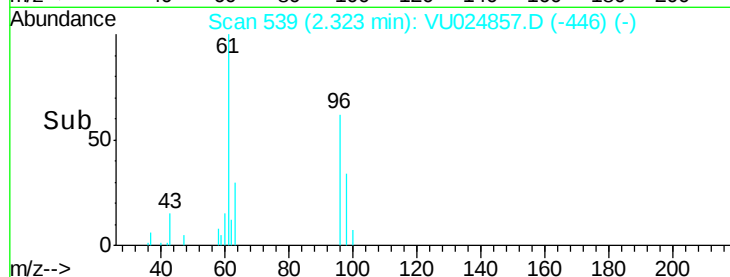
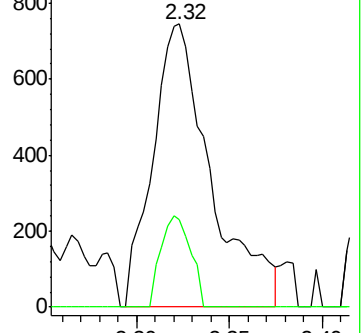
43 100

58 31.1 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#21

trans-1,2-Dichloroethene

Concen: 31.45 ug/l

RT: 2.99 min Scan# 747

Delta R.T. 0.01 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

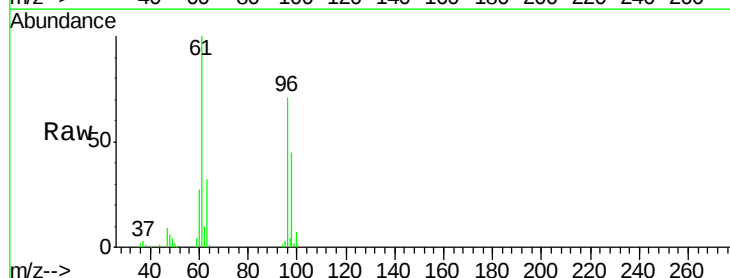
Tgt Ion: 96 Resp: 78703

Ion Ratio Lower Upper

96 100

61 140.9 119.4 179.0

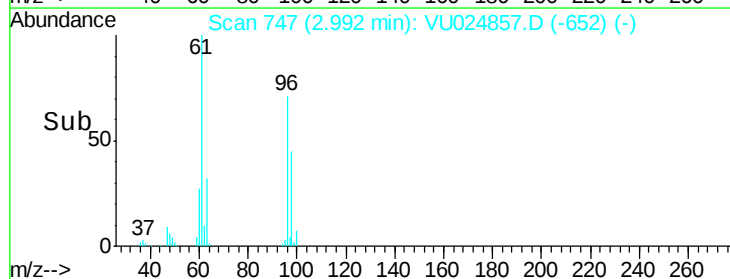
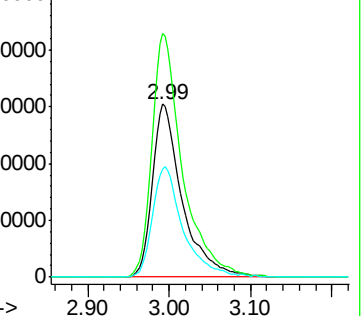
98 62.8 51.1 76.7

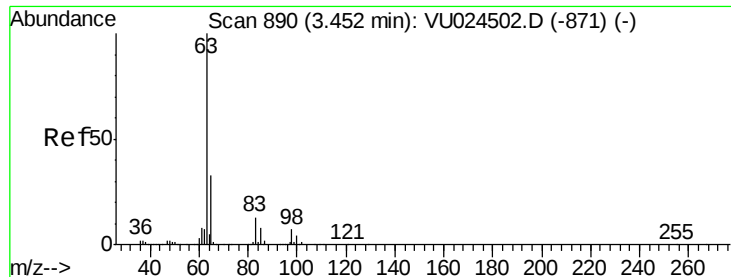


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#24

1,1-Dichloroethane

Concen: 24.44 ug/l

RT: 3.45 min Scan# 891

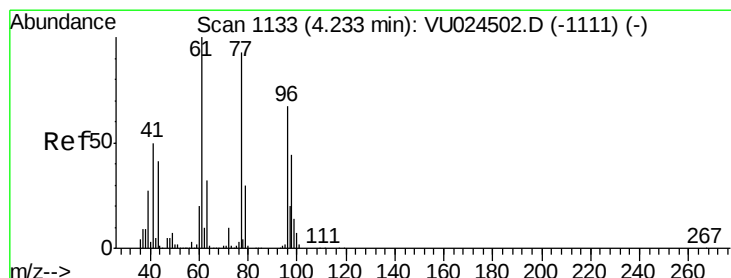
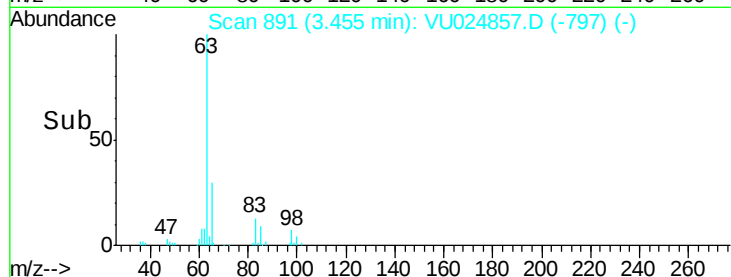
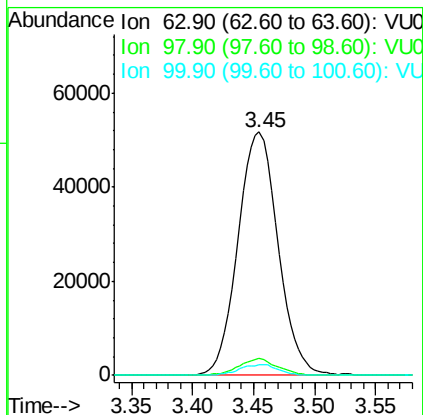
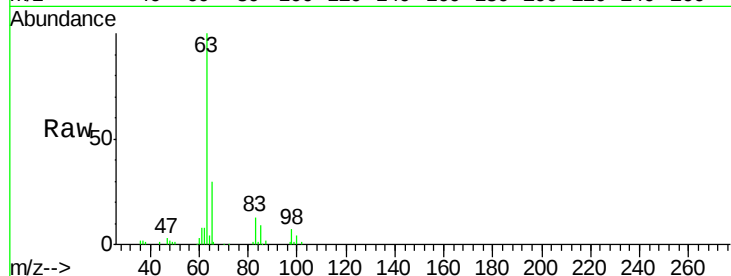
Delta R.T. 0.00 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	63	Resp:	117583
Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.4
100	4.2	1.8	5.5



#27

cis-1,2-Dichloroethene

Concen: 4909.35 ug/l

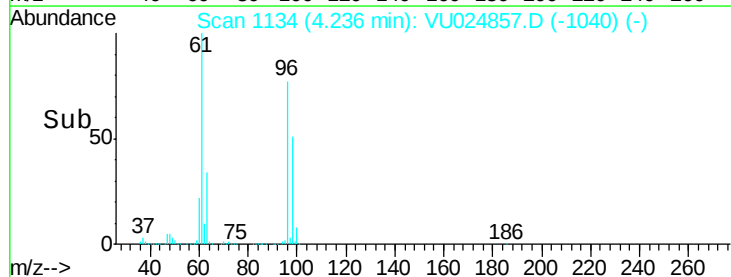
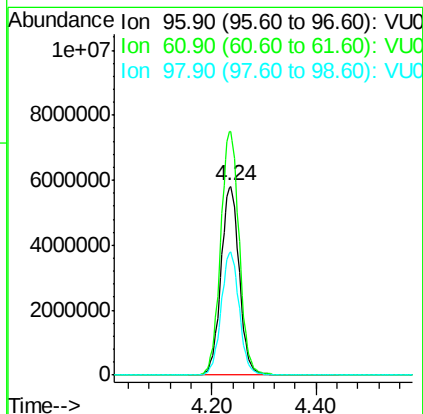
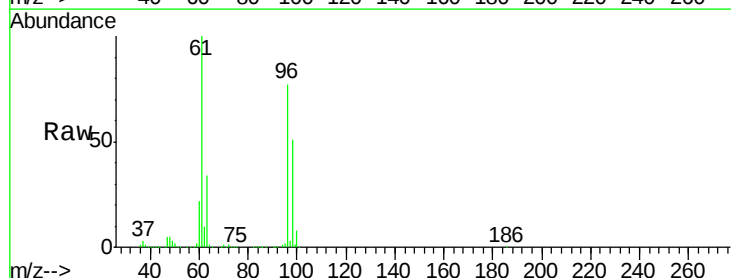
RT: 4.24 min Scan# 1134

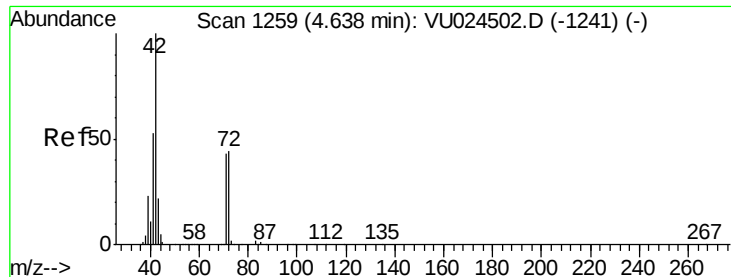
Delta R.T. 0.00 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

Tgt Ion:	96	Resp:	14122272
Ion	Ratio	Lower	Upper
96	100		
61	130.9	0.0	306.6
98	64.6	0.0	128.8





#29

Tetrahydrofuran

Concen: 0.50 ug/l

RT: 4.65 min Scan# 1264

Delta R.T. 0.02 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

Instrument :
MSVOA_U
ClientSampled :

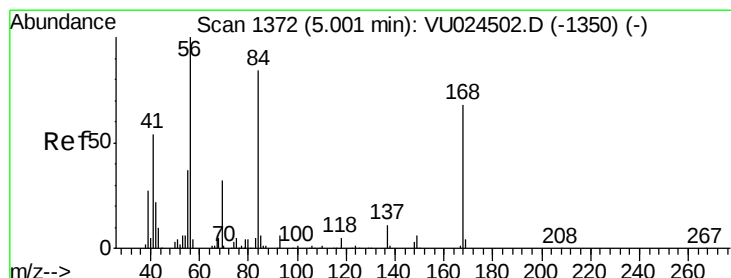
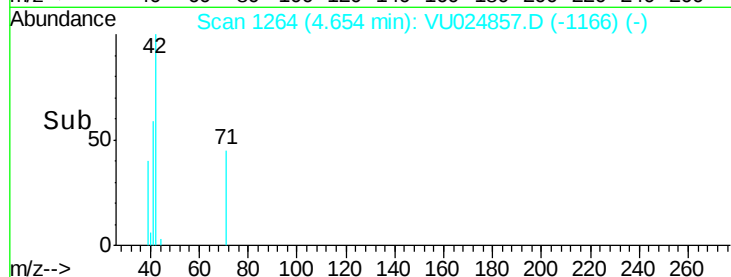
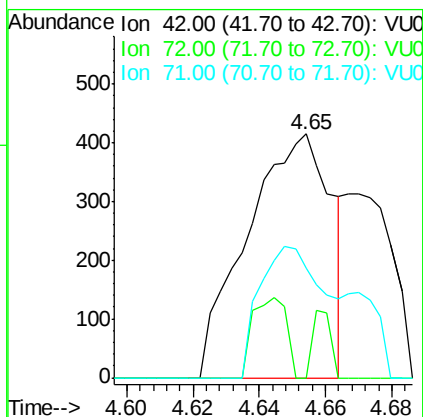
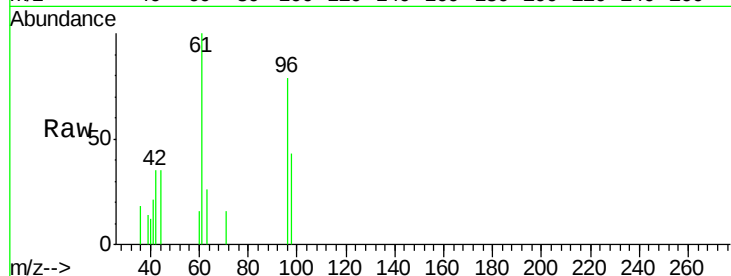
Tot Ion: 42 Resp: 729

Ion Ratio Lower Upper

42 100

72 6.0 34.5 51.7#

71 0.0 32.2 48.4#



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1370

Delta R.T. -0.01 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

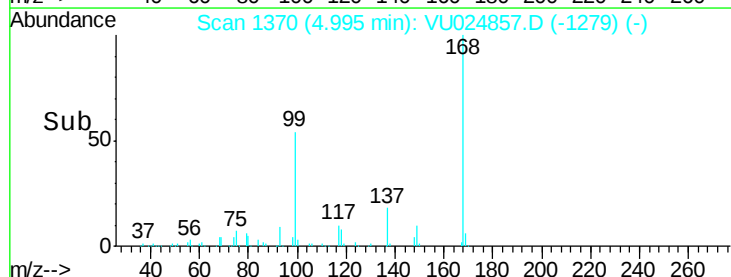
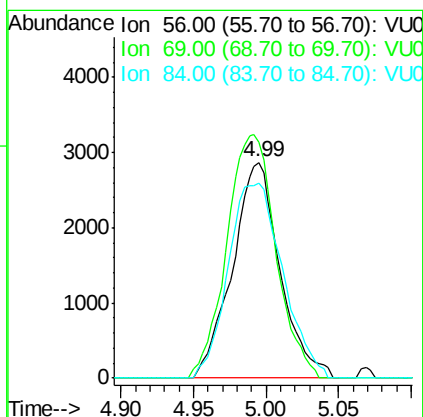
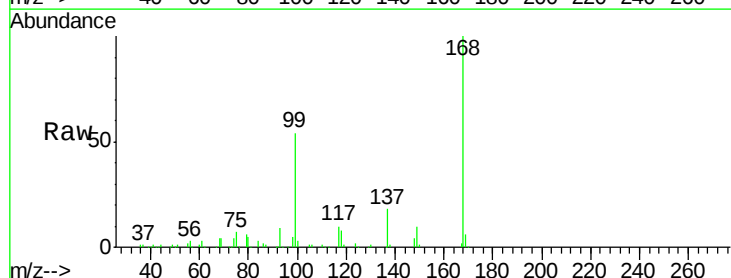
Tgt Ion: 56 Resp: 6549

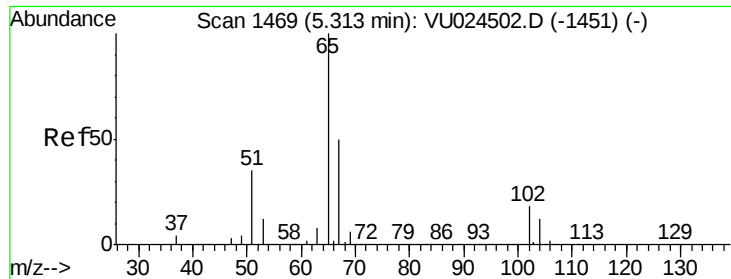
Ion Ratio Lower Upper

56 100

69 109.2 24.8 37.2#

84 90.6 65.2 97.8





#33

1,2-Dichloroethane-d4

Concen: 45.77 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

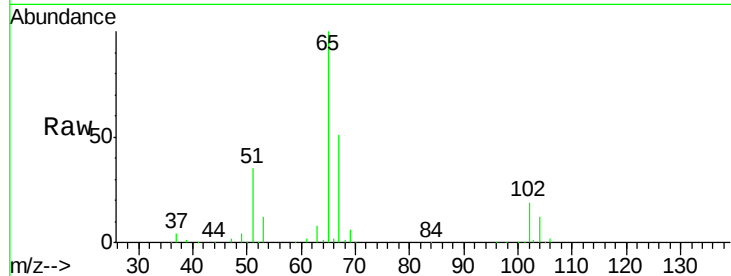
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 65 Resp: 149072

Ion Ratio Lower Upper

65 100

67 50.9 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU024857.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU024857.D (-1376) (-)

5.31

60000

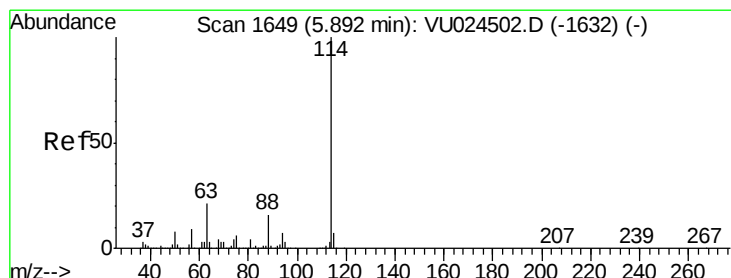
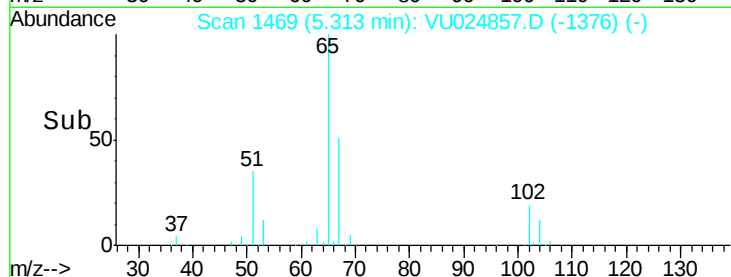
40000

20000

0

Time-->

5.20 5.30 5.40



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

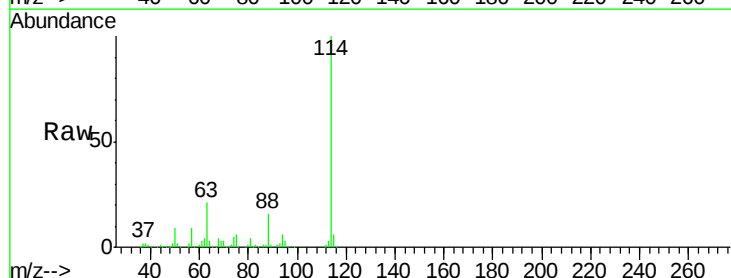
Tgt Ion: 114 Resp: 299534

Ion Ratio Lower Upper

114 100

63 20.7 0.0 45.4

88 16.1 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VU024857.D (-1556) (-)

Ion 63.00 (62.70 to 63.70): VU024857.D (-1556) (-)

Ion 87.90 (87.60 to 88.60): VU024857.D (-1556) (-)

5.89

200000

150000

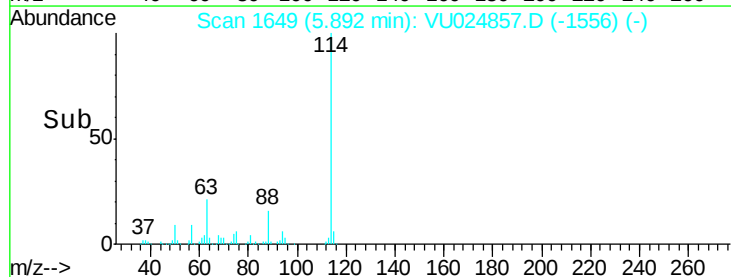
100000

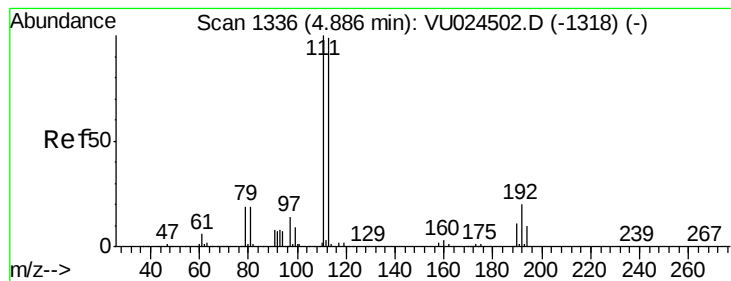
50000

0

Time-->

5.80 5.90 6.00





#35

Dibromofluoromethane

Concen: 45.96 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

Instrument :

MSVOA_U

ClientSampleId :

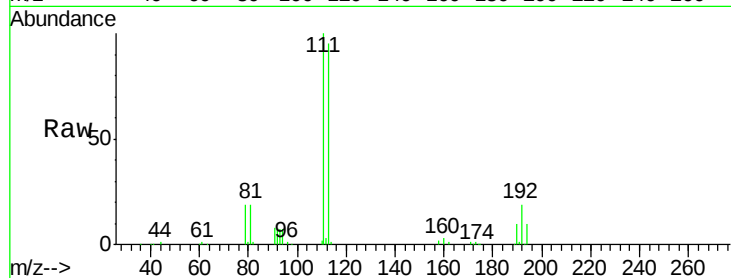
Tot Ion:113 Resp: 114258

Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

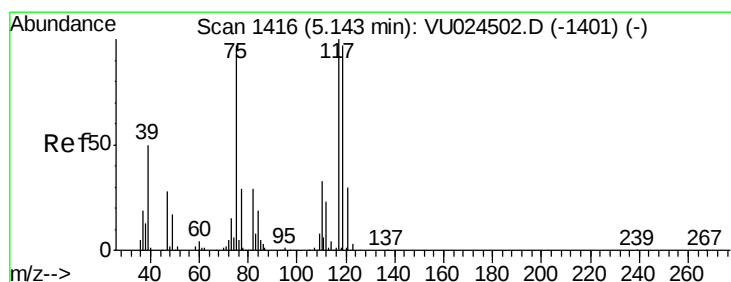
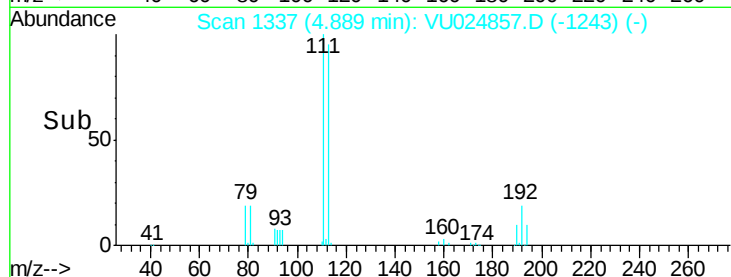
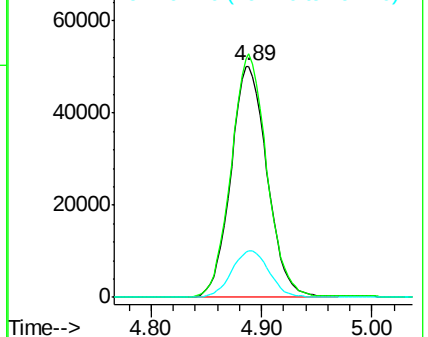
192 20.7 16.2 24.4



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: 4.17 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

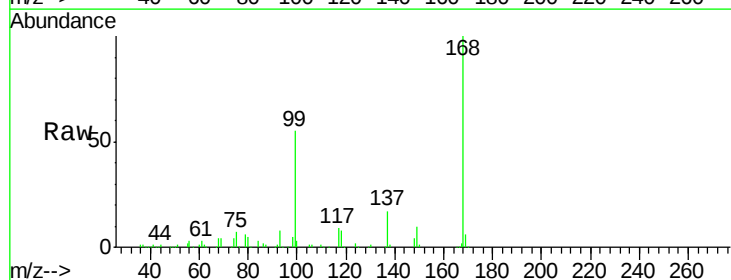
Tgt Ion: 75 Resp: 14678

Ion Ratio Lower Upper

75 100

110 8.7 17.0 50.9#

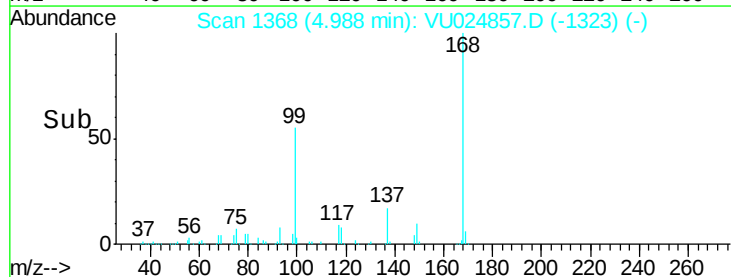
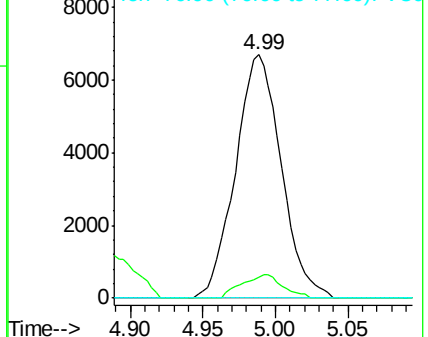
77 0.0 24.2 36.4#

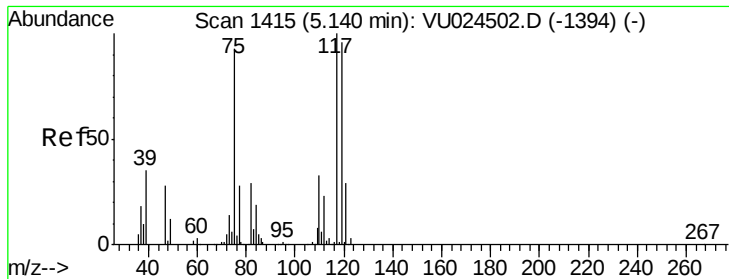


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.84 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

Instrument :

MSVOA_U

ClientSampleId :

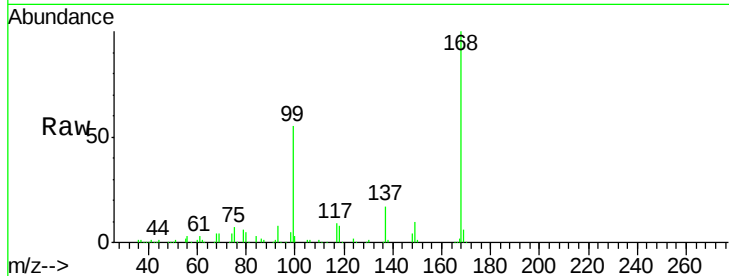
Tot Ion:117 Resp: 18742

Ion Ratio Lower Upper

117 100

119 4.9 76.1 114.1#

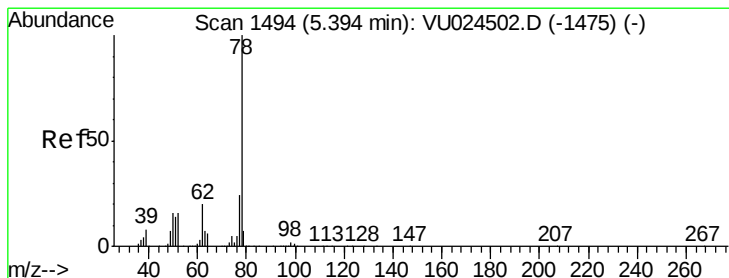
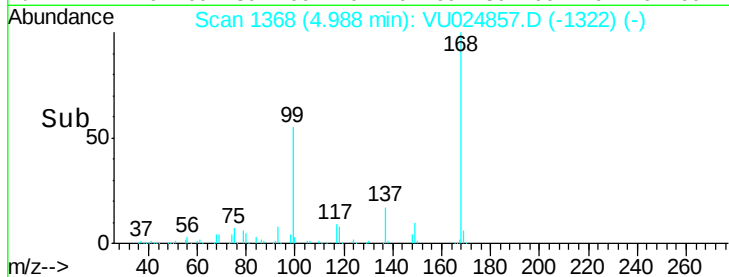
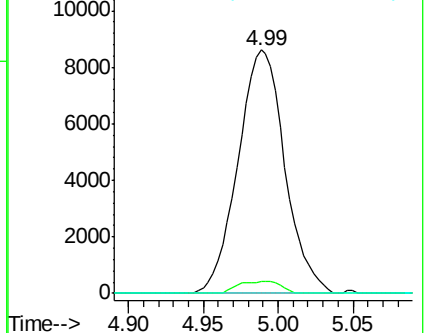
121 0.0 23.7 35.5#



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



#40

Benzene

Concen: 10.06 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU024857.D

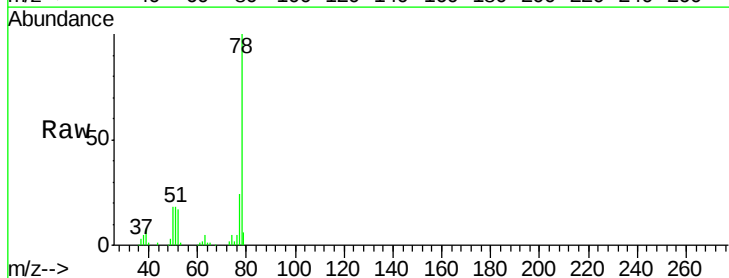
Acq: 23 Jun 2018 01:29

Tgt Ion: 78 Resp: 100856

Ion Ratio Lower Upper

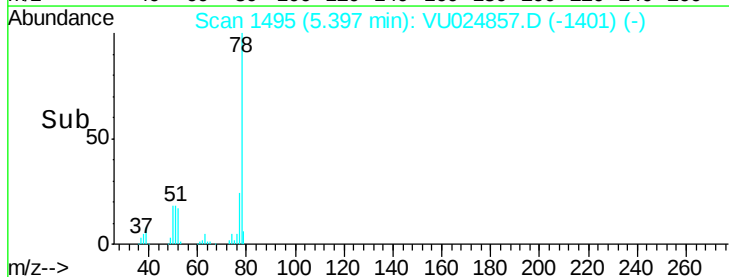
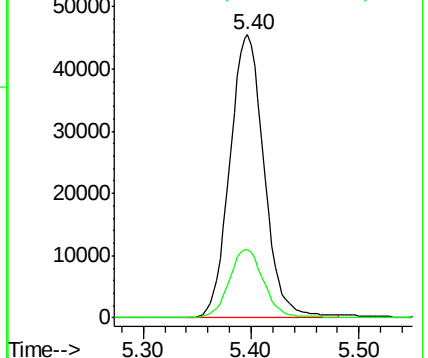
78 100

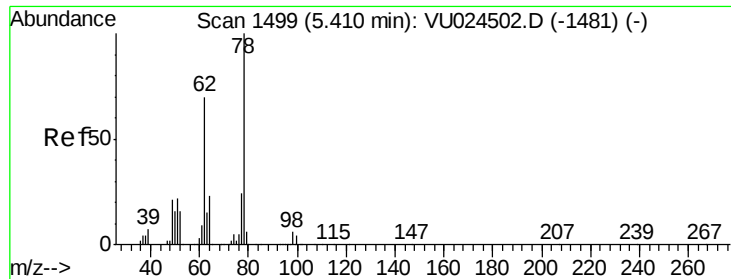
77 24.1 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#42

1,2-Dichloroethane

Concen: 0.74 ug/l

RT: 5.40 min Scan# 1497

Delta R.T. -0.01 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

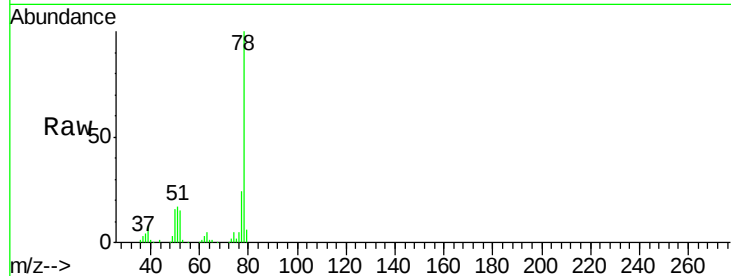
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 2809

Ion Ratio Lower Upper

62 100

98 1.6 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D (-1481) (-)

Ion 97.90 (97.60 to 98.60): VU024502.D (-1481) (-)

5.40

1200

1000

800

600

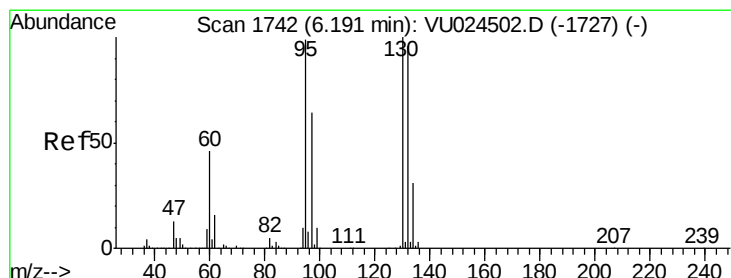
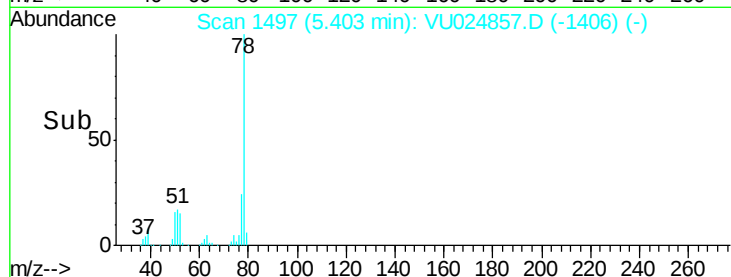
400

200

0

Time-->

5.35 5.40 5.45



#44

Trichloroethene

Concen: 98.97 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024857.D

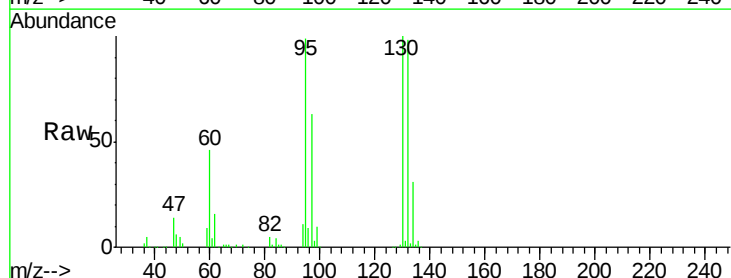
Acq: 23 Jun 2018 01:29

Tgt Ion:130 Resp: 282482

Ion Ratio Lower Upper

130 100

95 98.5 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): VU024502.D (-1727) (-)

Ion 94.90 (94.60 to 95.60): VU024502.D (-1727) (-)

6.19

150000

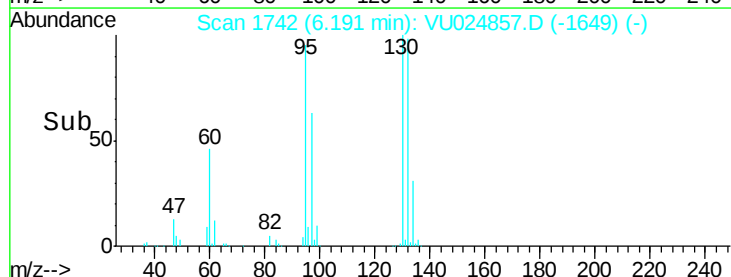
100000

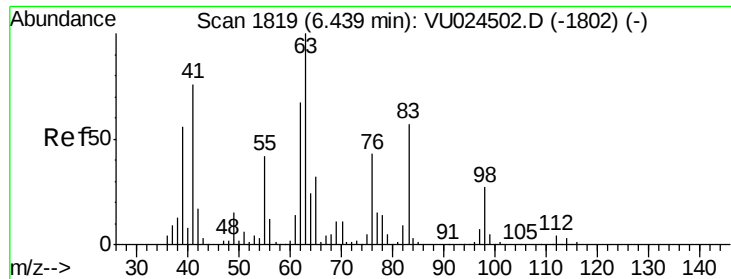
50000

0

Time-->

6.10 6.20 6.30





#45

1,2-Dichloropropane

Concen: 0.47 ug/l

RT: 6.18 min Scan# 1740

Delta R.T. -0.25 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

Instrument :

MSVOA_U

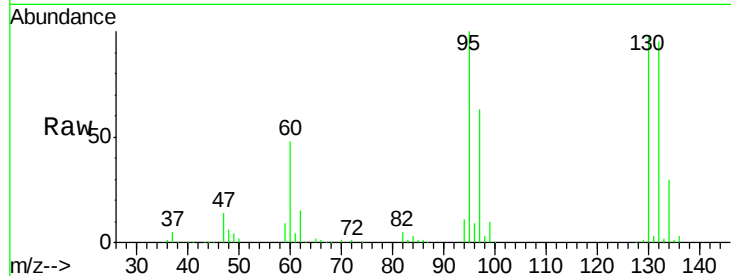
ClientSampleId :

Tot Ion: 63 Resp: 1260

Ion Ratio Lower Upper

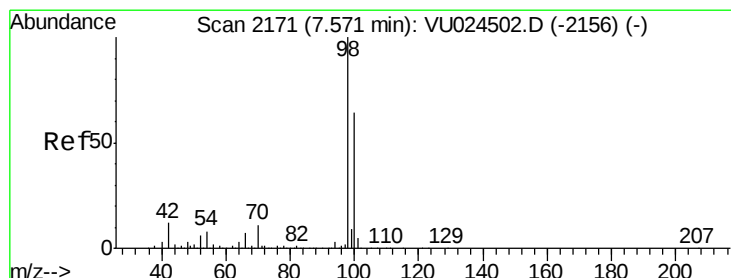
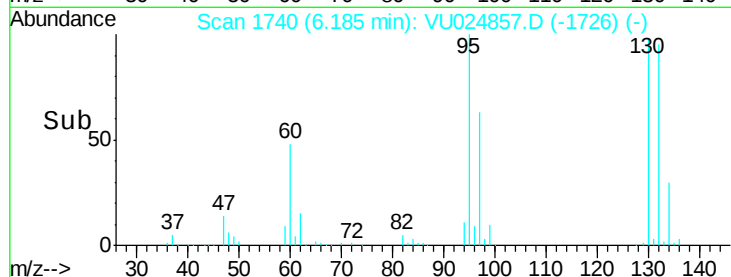
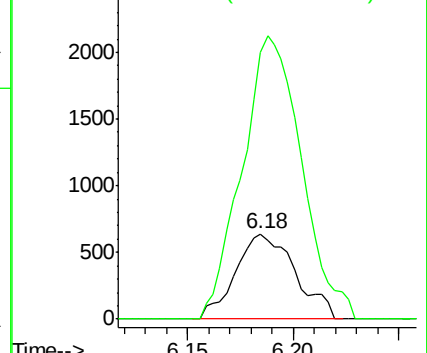
63 100

65 313.3 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#50

Toluene-d8

Concen: 48.10 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024857.D

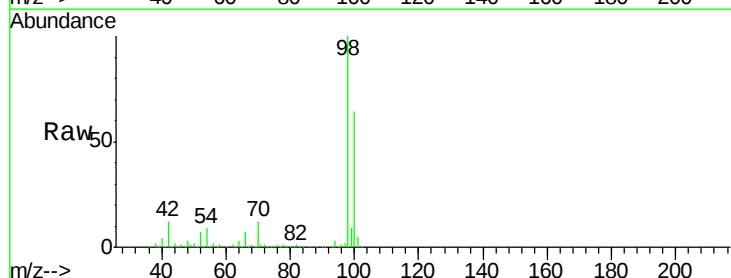
Acq: 23 Jun 2018 01:29

Tgt Ion: 98 Resp: 436145

Ion Ratio Lower Upper

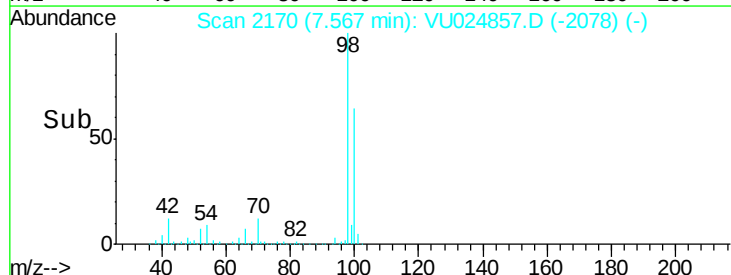
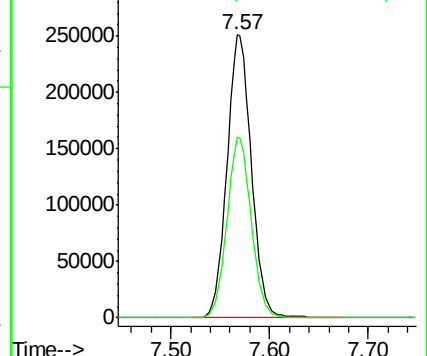
98 100

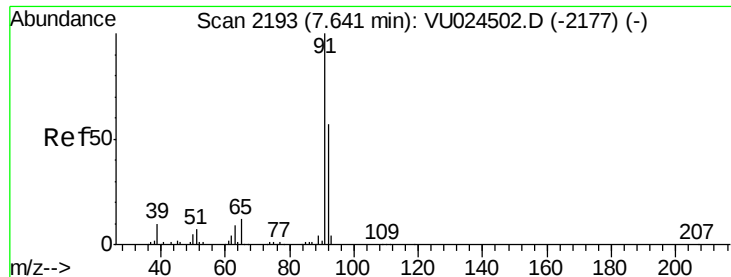
100 63.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#52

Toluene

Concen: 0.83 ug/l

RT: 7.64 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

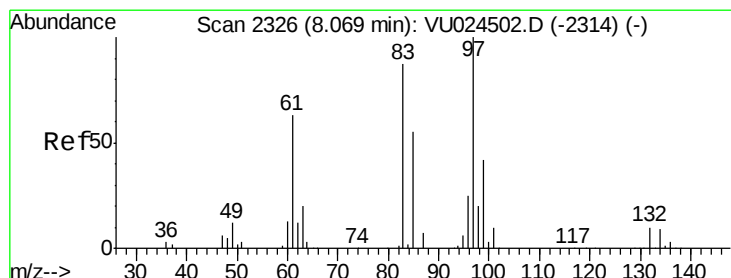
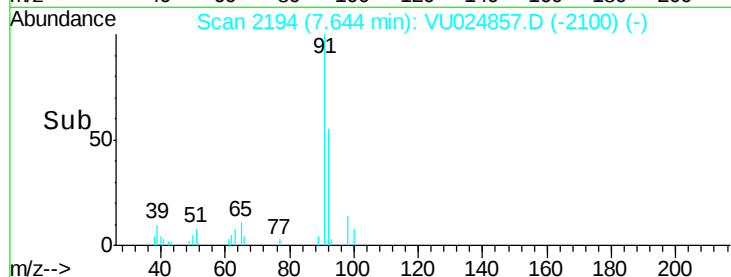
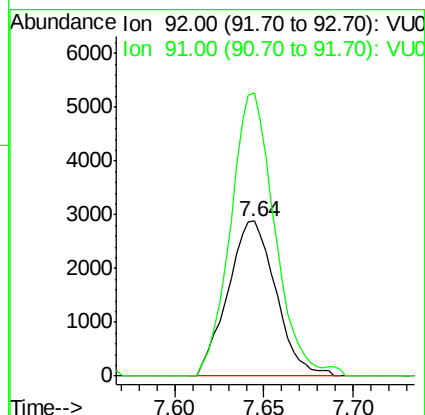
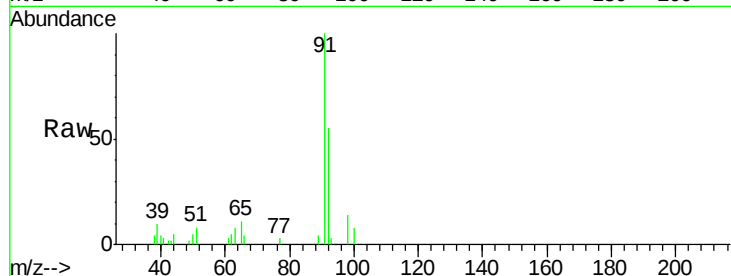
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 92 Resp: 5379

Ion Ratio Lower Upper

92 100

91 167.5 140.5 210.7



#55

1,1,2-Trichloroethane

Concen: 0.72 ug/l

RT: 8.08 min Scan# 2328

Delta R.T. 0.01 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

Tgt Ion: 97 Resp: 1883

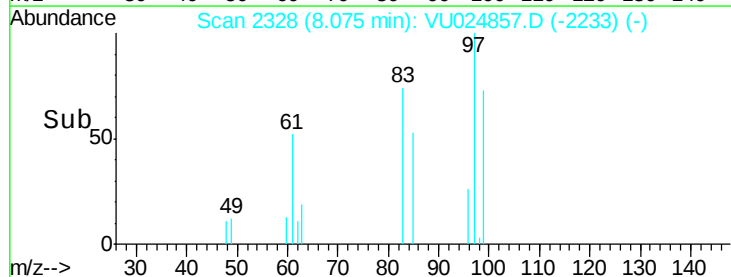
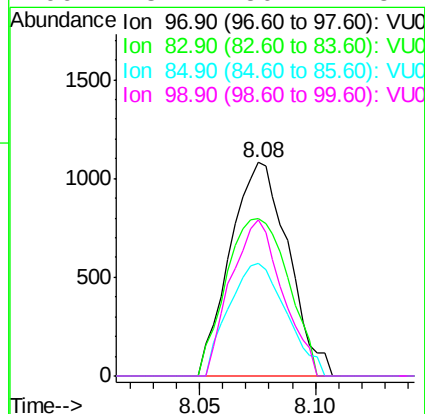
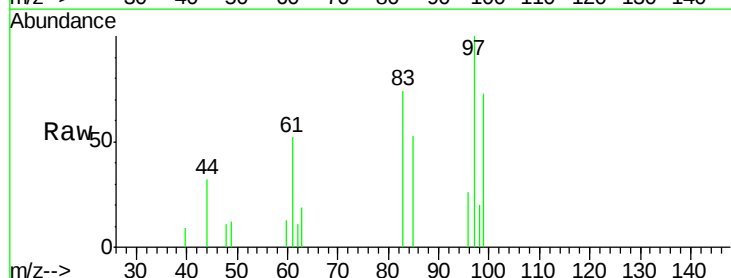
Ion Ratio Lower Upper

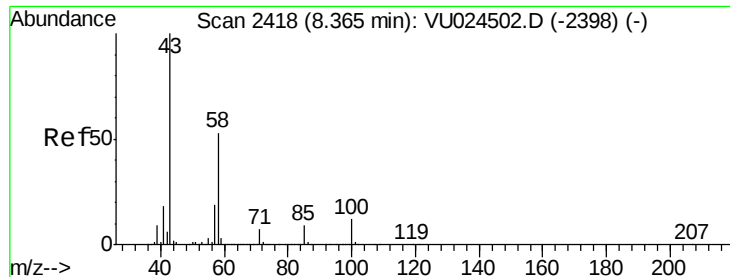
97 100

83 73.7 70.5 105.7

85 52.7 46.4 69.6

99 73.4 50.2 75.2





#59

2-Hexanone

Concen: 1.20 ug/l

RT: 8.17 min Scan# 2357

Delta R.T. -0.20 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

Instrument :

MSVOA_U

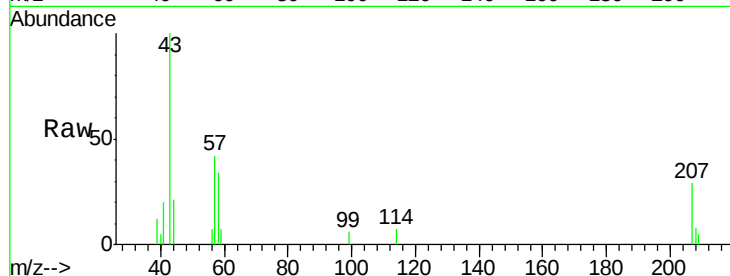
ClientSampleId :

Tot Ion: 43 Resp: 4065

Ion Ratio Lower Upper

43 100

58 31.5 26.4 79.0



Abundance Ion 43.00 (42.70 to 43.70): VU024857.D (-2357) (-)

Ion 58.00 (57.70 to 58.70): VU024857.D (-2357) (-)

8.17

2500

2000

1500

1000

500

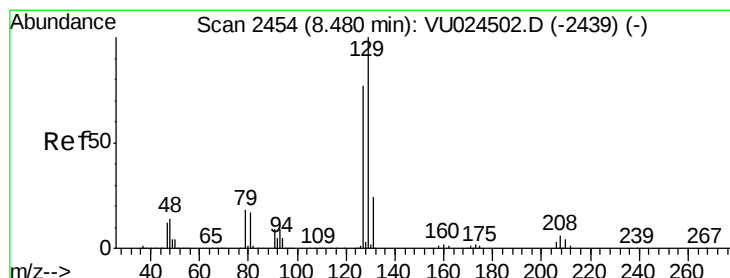
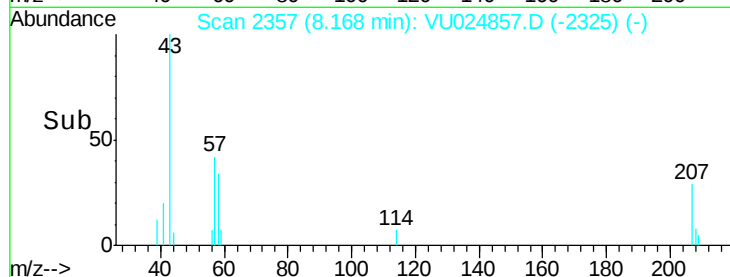
0

Time-->

8.10

8.15

8.20



#60

Dibromochloromethane

Concen: 1.17 ug/l

RT: 8.23 min Scan# 2377

Delta R.T. -0.25 min

Lab File: VU024857.D

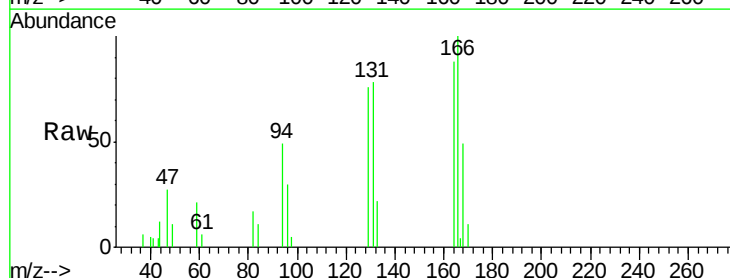
Acq: 23 Jun 2018 01:29

Tgt Ion: 129 Resp: 3843

Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#



Abundance Ion 128.80 (128.50 to 129.50): VU024857.D (-2377) (-)

Ion 126.80 (126.50 to 127.50): VU024857.D (-2377) (-)

8.23

2500

2000

1500

1000

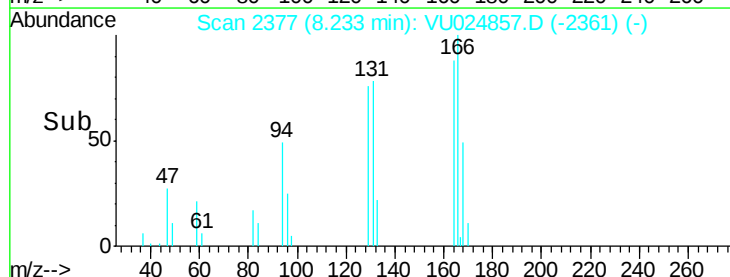
500

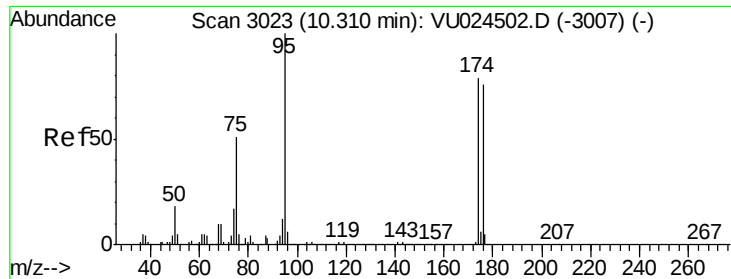
0

Time-->

8.20

8.25

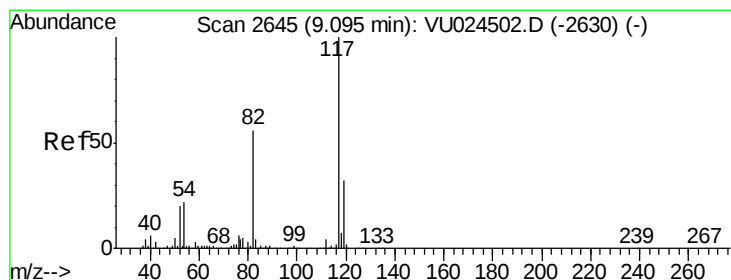
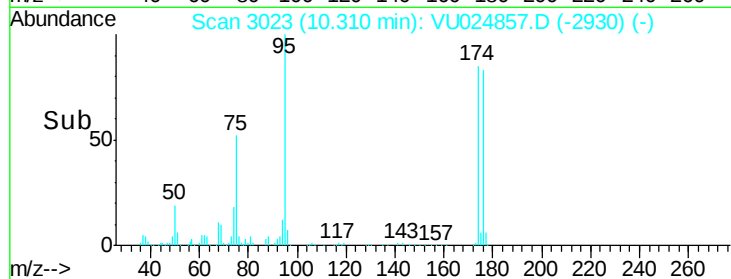
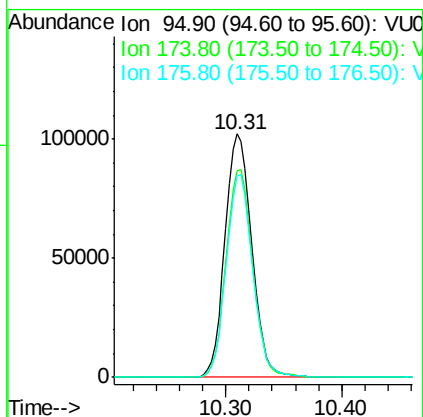
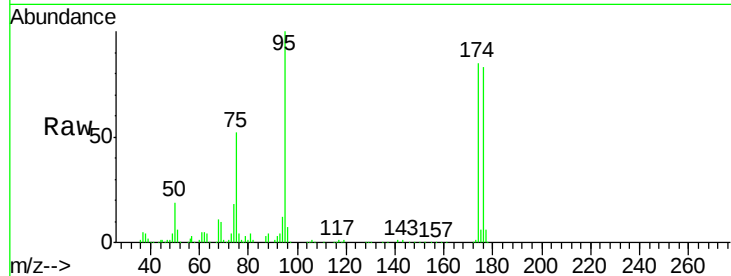




#62
4-Bromofluorobenzene
Concen: 45.23 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024857.D
Acq: 23 Jun 2018 01:29

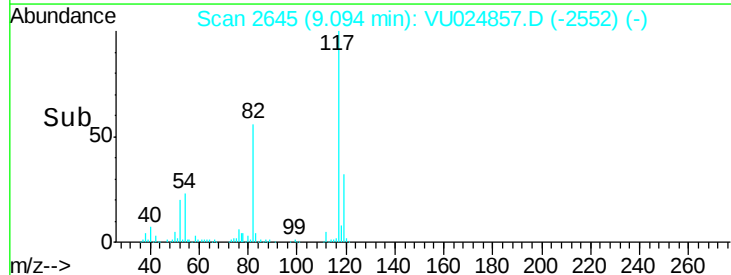
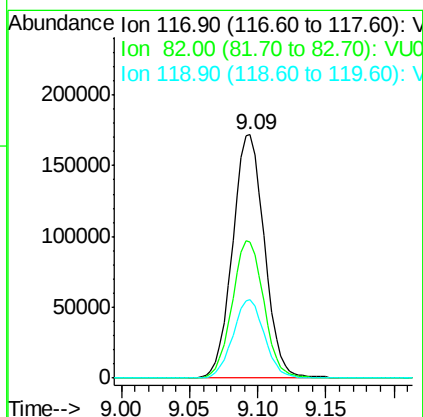
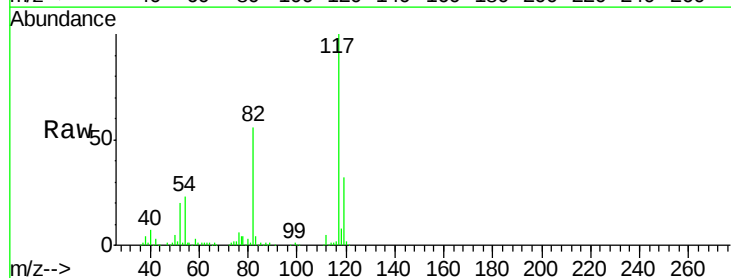
Instrument :
MSVOA_U
ClientSampleId :

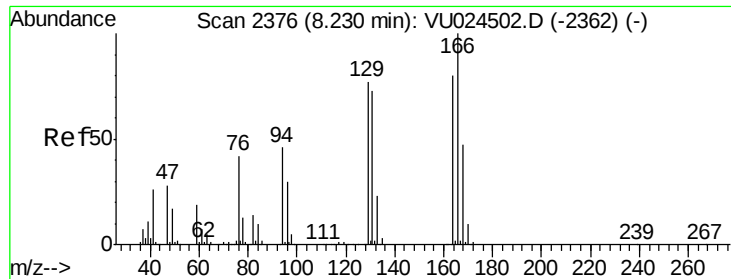
Tot Ion: 95 Resp: 162822
Ion Ratio Lower Upper
95 100
174 84.9 0.0 165.8
176 82.2 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024857.D
Acq: 23 Jun 2018 01:29

Tgt Ion: 117 Resp: 279243
Ion Ratio Lower Upper
117 100
82 56.1 44.3 66.5
119 32.3 25.4 38.2





#64

Tetrachloroethene

Concen: 1.73 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 4598

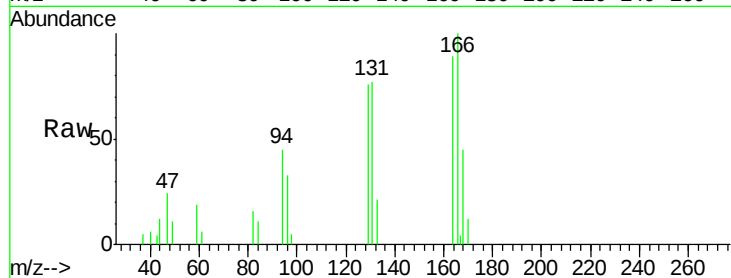
Ion Ratio Lower Upper

164 100

166 112.5 101.7 152.5

129 85.6 76.9 115.3

131 86.5 74.9 112.3

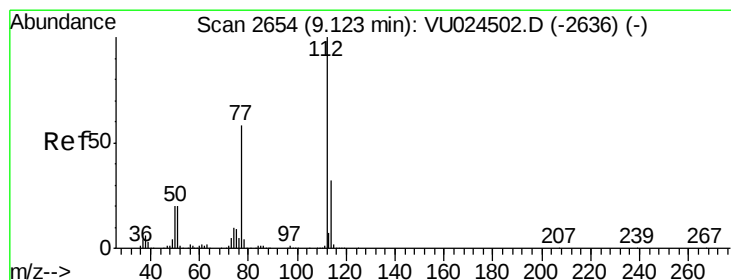
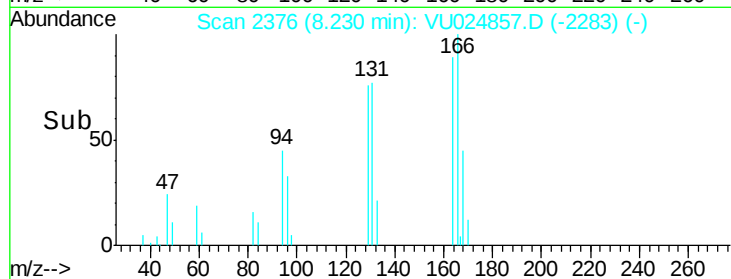
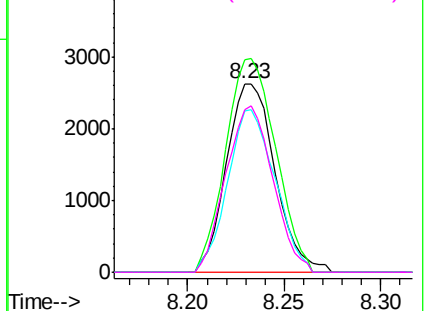


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 52.37 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU024857.D

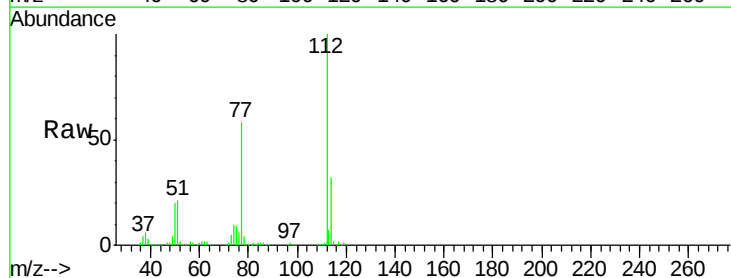
Acq: 23 Jun 2018 01:29

Tgt Ion:112 Resp: 373596

Ion Ratio Lower Upper

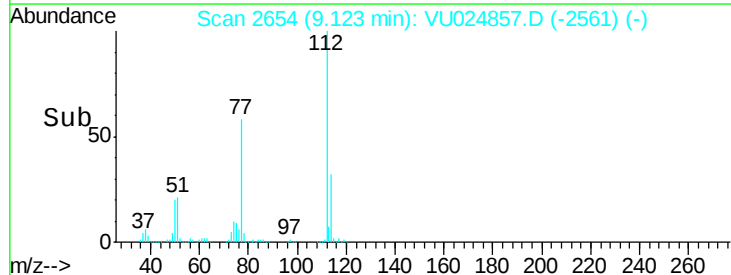
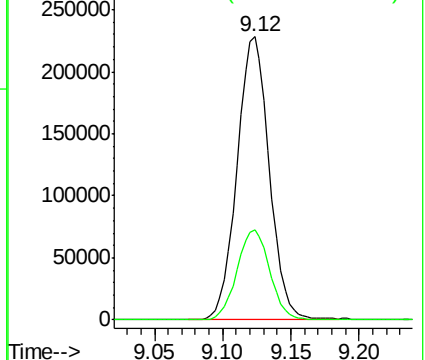
112 100

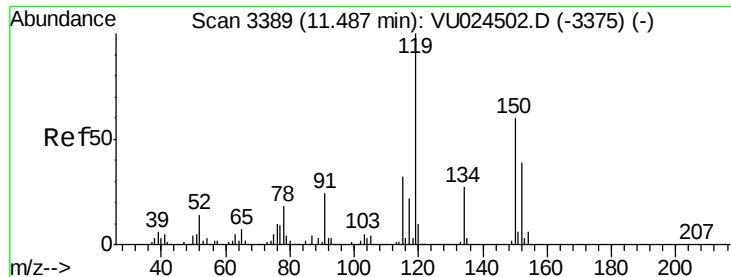
114 31.7 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

Instrument :

MSVOA_U

ClientSampleId :

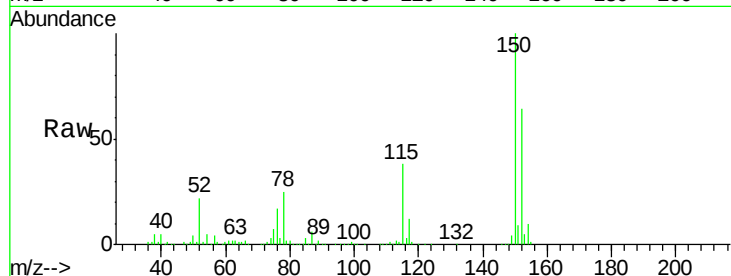
Tot Ion:152 Resp: 151443

Ion Ratio Lower Upper

152 100

115 57.0 43.0 129.0

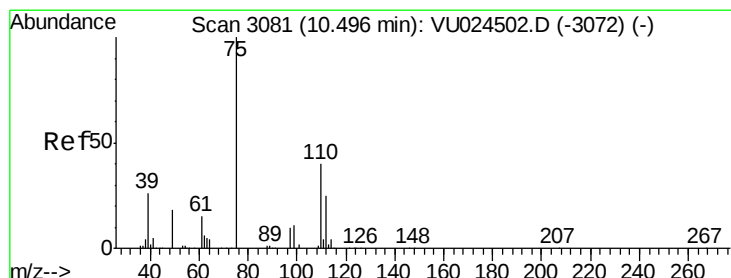
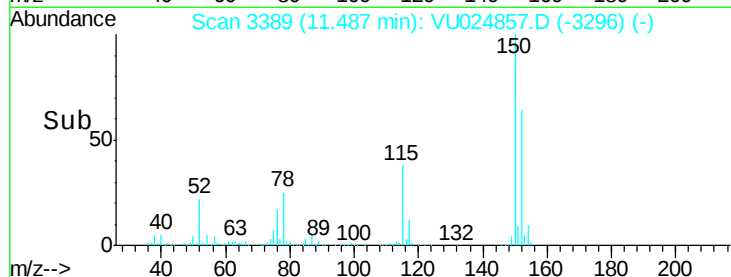
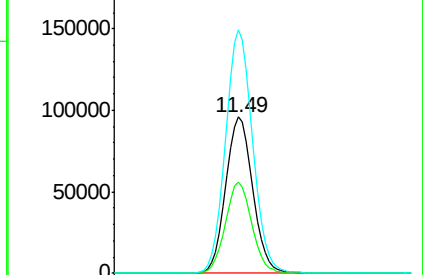
150 155.6 0.0 354.0



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: 24.95 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024857.D

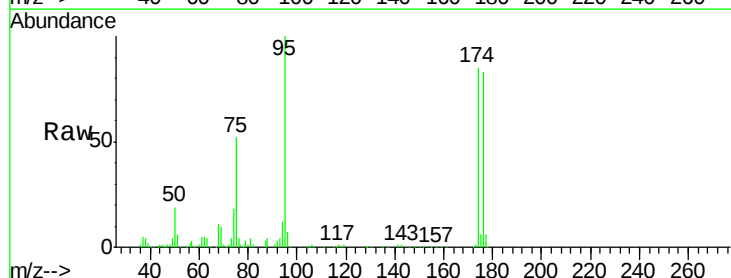
Acq: 23 Jun 2018 01:29

Tgt Ion: 75 Resp: 83203

Ion Ratio Lower Upper

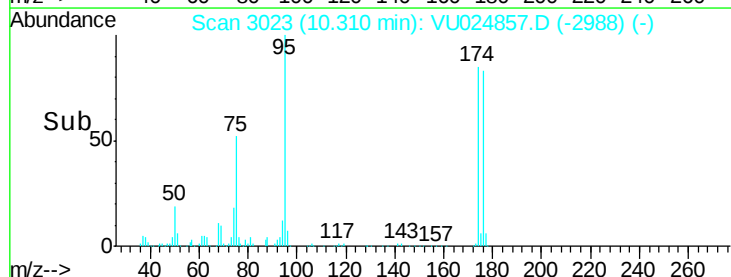
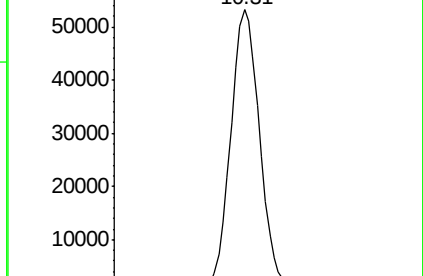
75 100

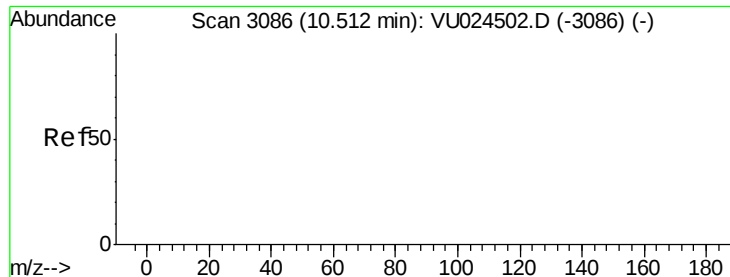
77 1.1 20.9 62.7#



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: 57.75 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

Instrument :

MSVOA_U

ClientSampleId :

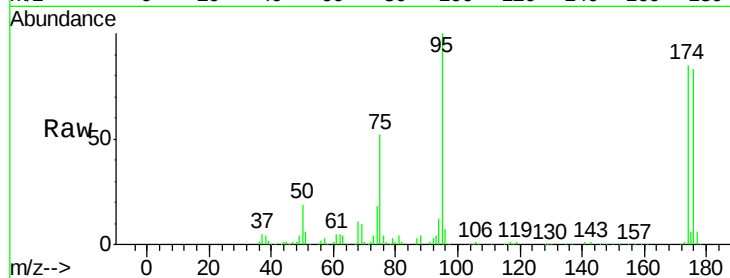
Tot Ion: 75 Resp: 83203

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

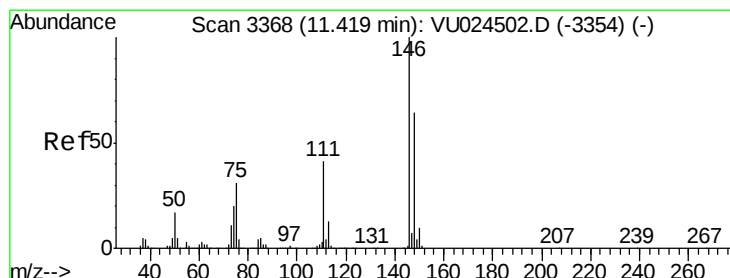
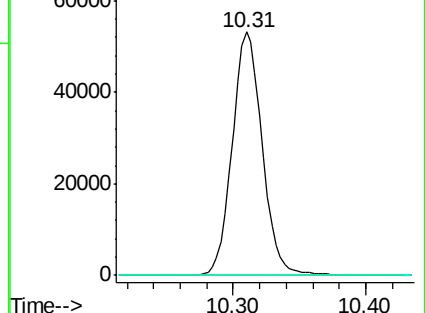
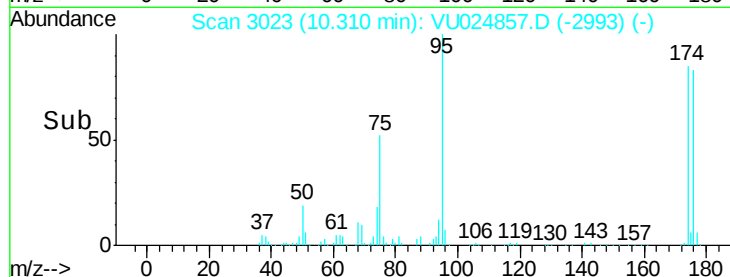
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024857.D (-2993) (-)

Ion 53.00 (52.70 to 53.70): VU024857.D (-2993) (-)

Ion 88.90 (88.60 to 89.60): VU024857.D (-2993) (-)



#87

1,3-Dichlorobenzene

Concen: 1.01 ug/l

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

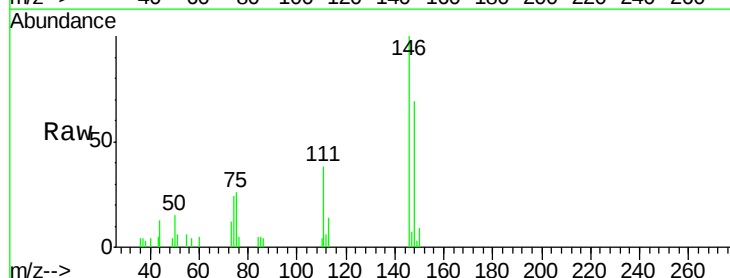
Tgt Ion: 146 Resp: 5486

Ion Ratio Lower Upper

146 100

111 33.8 20.0 60.0

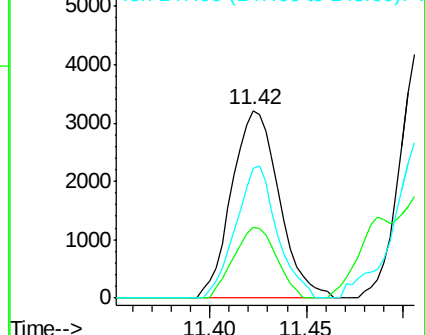
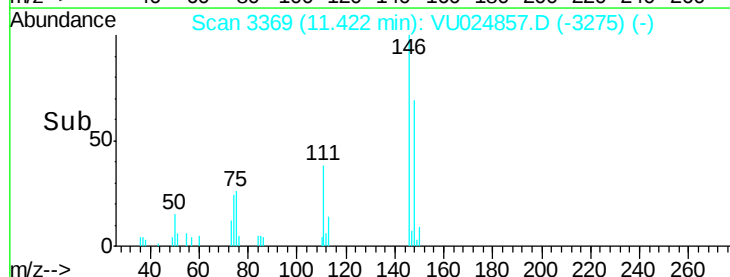
148 61.3 32.1 96.5

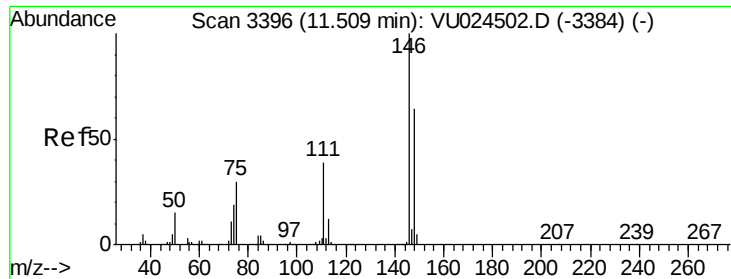


Abundance Ion 145.90 (145.60 to 146.60): VU024857.D (-3275) (-)

Ion 110.90 (110.60 to 111.60): VU024857.D (-3275) (-)

Ion 147.90 (147.60 to 148.60): VU024857.D (-3275) (-)

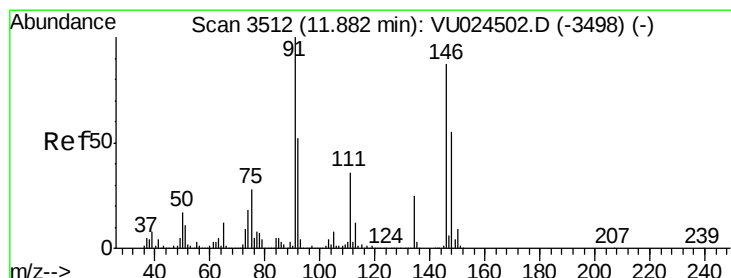
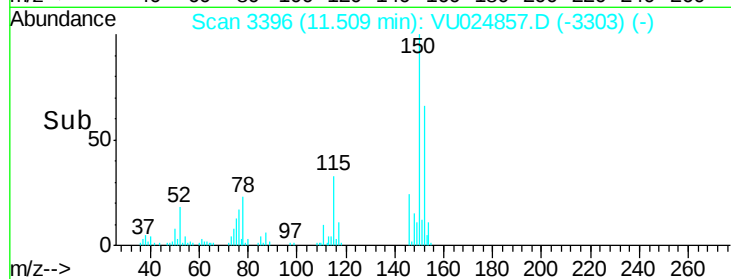
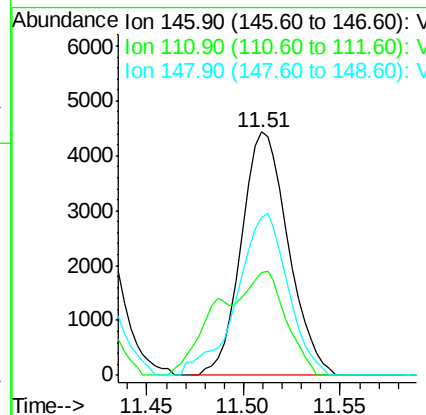
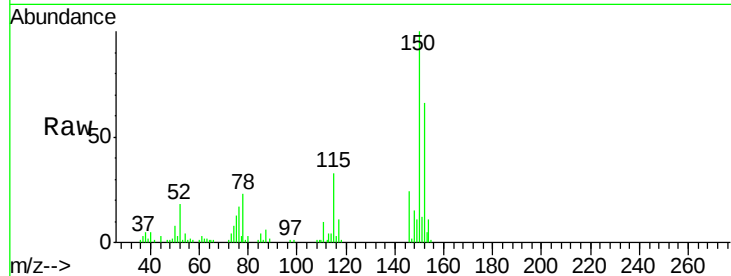




#88
 1,4-Dichlorobenzene
 Concen: 1.37 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024857.D
 Acq: 23 Jun 2018 01:29

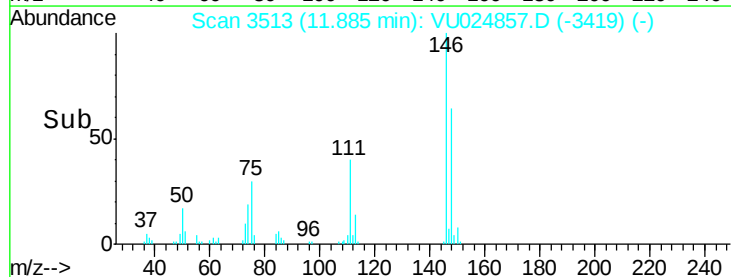
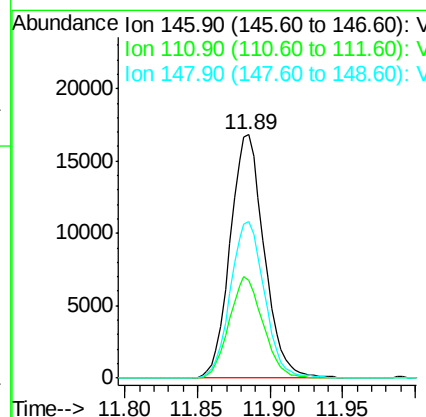
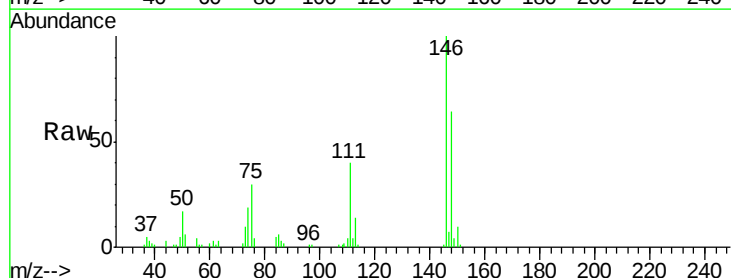
Instrument :
 MSVOA_U
 ClientSampleId :

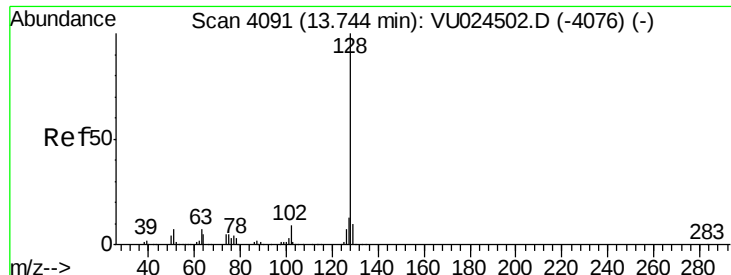
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.5	58.5
148	72.4	32.4	97.0



#91
 1,2-Dichlorobenzene
 Concen: 5.03 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU024857.D
 Acq: 23 Jun 2018 01:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.6
148	64.2	31.9	95.7





#95

Naphthalene

Concen: 0.68 ug/l

RT: 13.78 min Scan# 4103

Delta R.T. 0.04 min

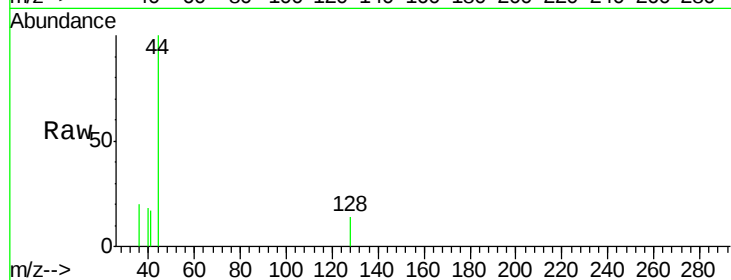
Lab File: VU024857.D

Acq: 23 Jun 2018 01:29

Instrument :

MSVOA_U

ClientSampleId :



Tot Ion:	128	Resp:	39
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

