

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024882.D
 Acq On : 25 Jun 2018 18:09
 Operator : MD/SY
 Sample : J3605-05ME
 Misc : 6.46g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 26 05:16:43 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	4.98	168	210613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	321957	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	313452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	181708	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	155208	45.14	ug/l	0.00
Spiked Amount			Recovery	=	90.28%	
35) Dibromofluoromethane	4.89	113	123165	46.09	ug/l	0.00
Spiked Amount			Recovery	=	92.18%	
50) Toluene-d8	7.57	98	469447	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	
62) 4-Bromofluorobenzene	10.32	95	195164	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	

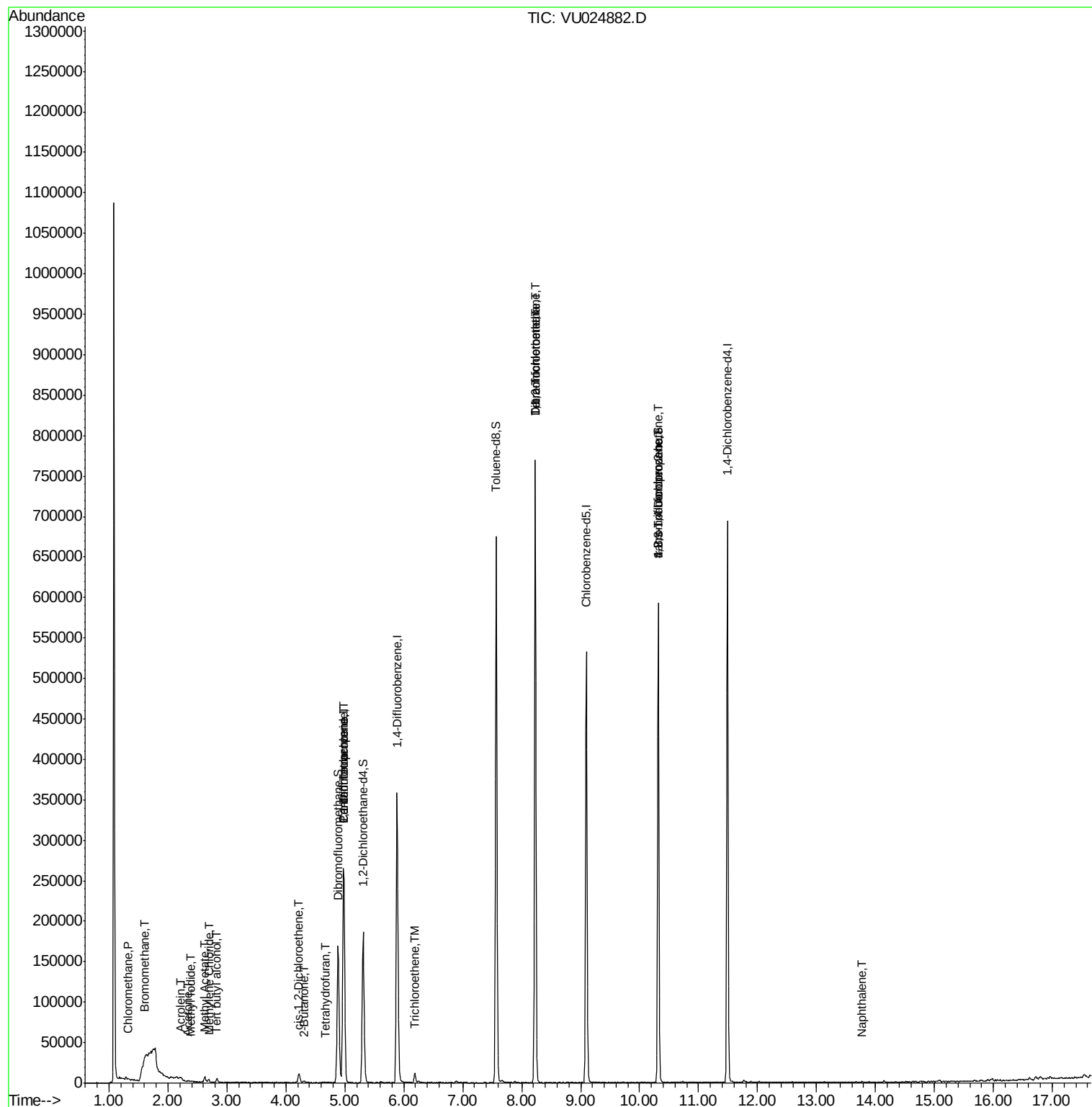
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1193	0.44	ug/l	# 85
5) Bromomethane	1.60	94	1204	0.90	ug/l	96
6) Chloroethane	1.69	64	86	Below Cal	#	1
8) Diethyl Ether	1.83	74	123	Below Cal		62
10) Methyl Iodide	2.39	142	210	5.37	ug/l	# 62
11) Tert butyl alcohol	2.82	59	2364	2.83	ug/l	# 72
13) Acrolein	2.20	56	109	0.25	ug/l	100
16) Acetone	2.35	43	1010	0.55	ug/l	90
18) Methyl Acetate	2.62	43	8022	2.03	ug/l	97
20) Methylene Chloride	2.69	84	1978	0.68	ug/l	# 76
25) 2-Butanone	4.30	43	3322	1.34	ug/l	96
27) cis-1,2-Dichloroethene	4.22	96	6584	2.17	ug/l	93
29) Tetrahydrofuran	4.65	42	368	0.24	ug/l	# 44
31) Cyclohexane	4.98	56	4582	Below Cal	#	7
36) 1,1-Dichloropropene	4.98	75	15611	4.13	ug/l	# 47
38) Carbon Tetrachloride	4.98	117	19728	4.74	ug/l	# 17
44) Trichloroethene	6.19	130	4418	1.44	ug/l	93
55) 1,1,2-Trichloroethane	8.23	97	1414	0.50	ug/l	# 12
60) Dibromochloromethane	8.23	129	161191	45.85	ug/l	# 11
64) Tetrachloroethene	8.23	164	172518	57.90	ug/l	98
76) 1,2,3-Trichloropropane	10.32	75	100387	25.09	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	10.32	75	100387	58.08	ug/l	# 100
95) Naphthalene	13.76	128	552	0.72	ug/l	# 69

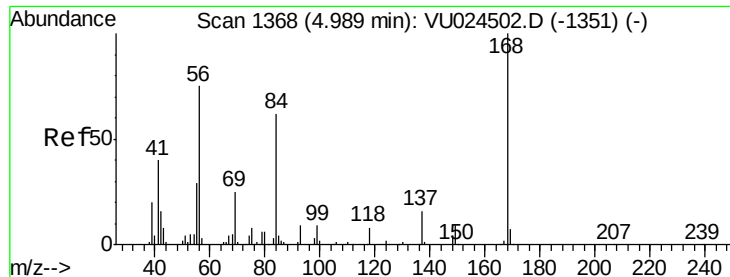
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU062518\
Data File : VU024882.D
Acq On : 25 Jun 2018 18:09
Operator : MD/SY
Sample : J3605-05ME
Misc : 6.46µL/5.0mL/100µL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jun 26 05:16:43 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.98 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VU024882.D

Acq: 25 Jun 2018 18:09

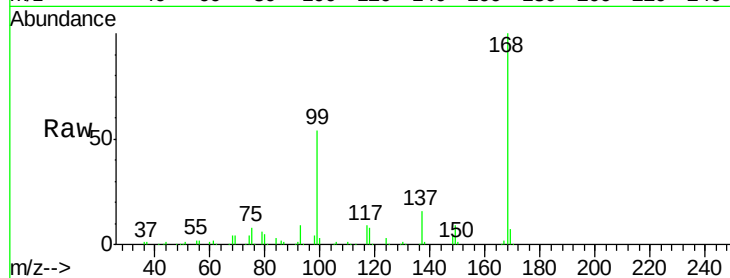
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 210613

Ion Ratio Lower Upper

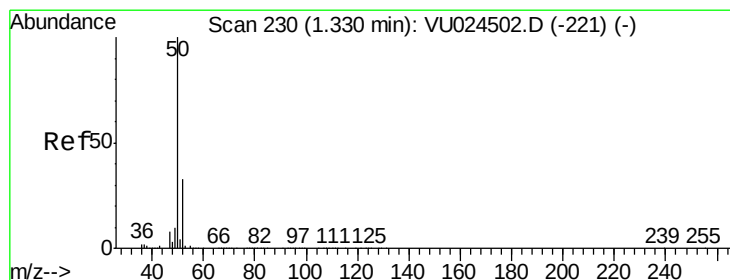
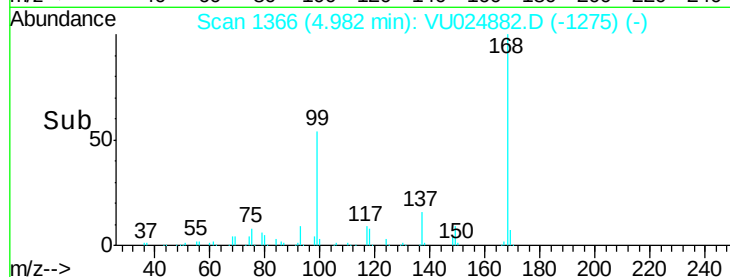
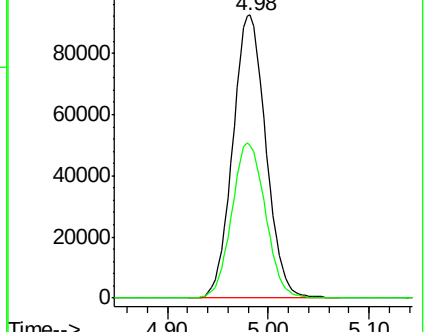
168 100

99 54.2 43.2 64.8



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

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#3

Chloromethane

Concen: 0.44 ug/l

RT: 1.32 min Scan# 227

Delta R.T. -0.01 min

Lab File: VU024882.D

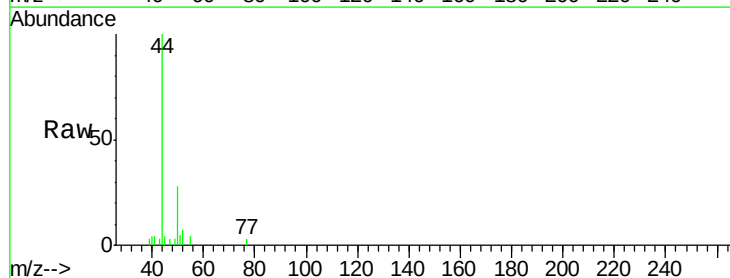
Acq: 25 Jun 2018 18:09

Tgt Ion: 50 Resp: 1193

Ion Ratio Lower Upper

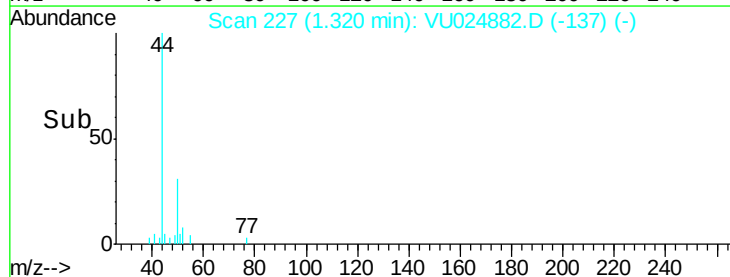
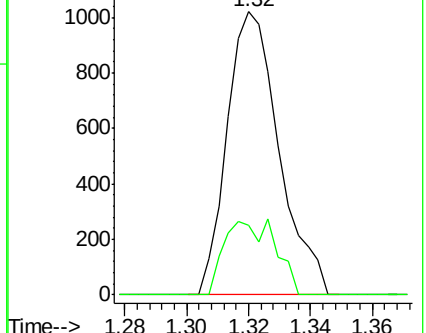
50 100

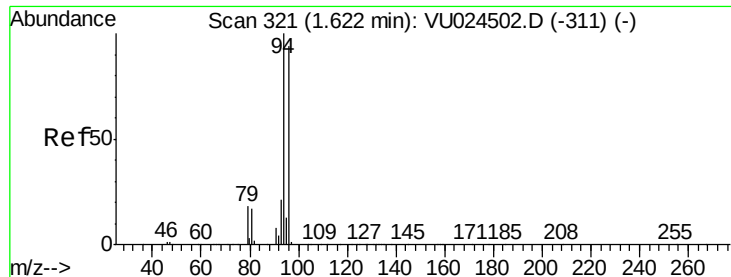
52 24.6 26.4 39.6#



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

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)





#5

Bromomethane

Concen: 0.90 ug/l

RT: 1.60 min Scan# 314

Delta R.T. -0.02 min

Lab File: VU024882.D

Acq: 25 Jun 2018 18:09

Instrument :

MSVOA_U

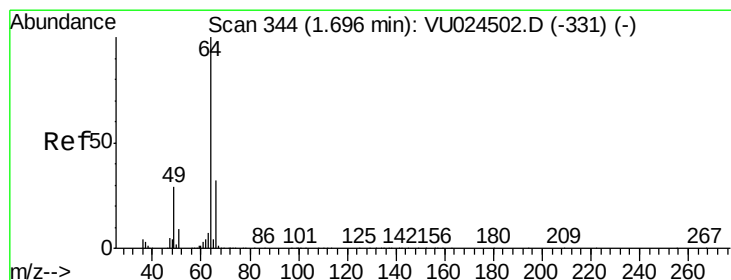
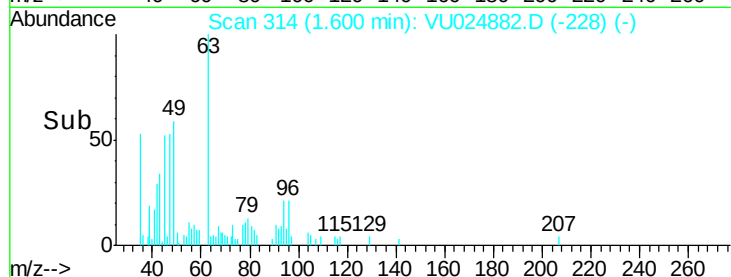
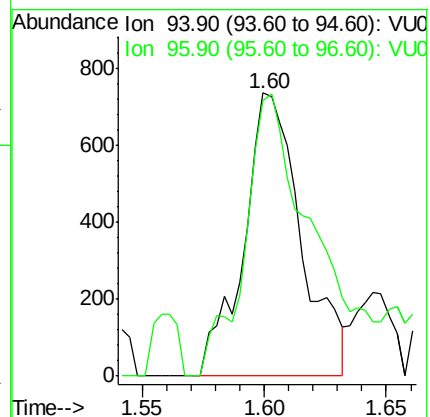
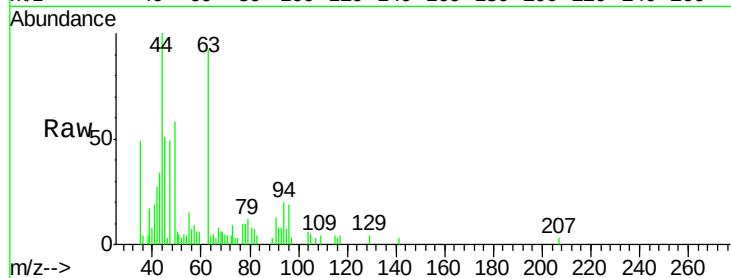
ClientSampleId :

Tot Ion: 94 Resp: 1204

Ion Ratio Lower Upper

94 100

96 97.3 74.5 111.7



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU024882.D

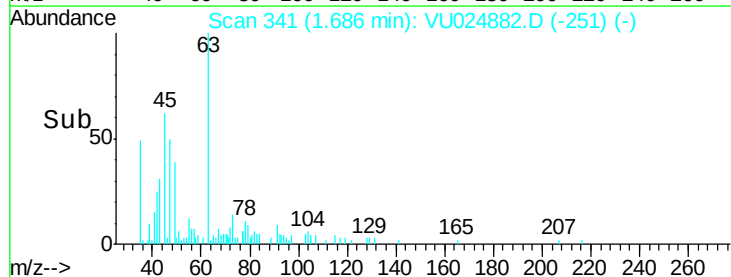
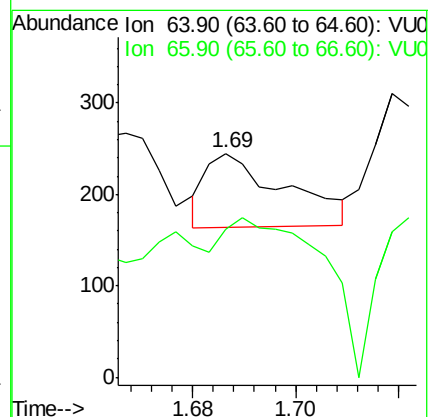
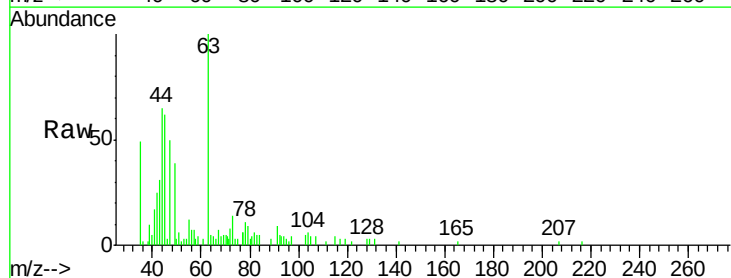
Acq: 25 Jun 2018 18:09

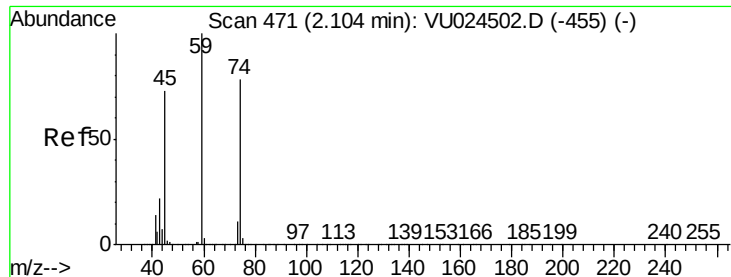
Tgt Ion: 64 Resp: 86

Ion Ratio Lower Upper

64 100

66 115.7 25.5 38.3#





#8

Diethyl Ether

Concen: Below Cal

RT: 1.83 min Scan# 387

Delta R.T. -0.27 min

Lab File: VU024882.D

Acq: 25 Jun 2018 18:09

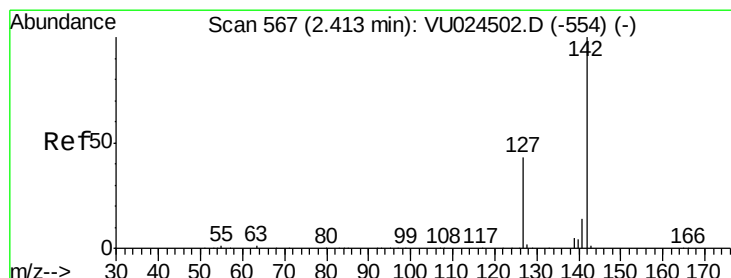
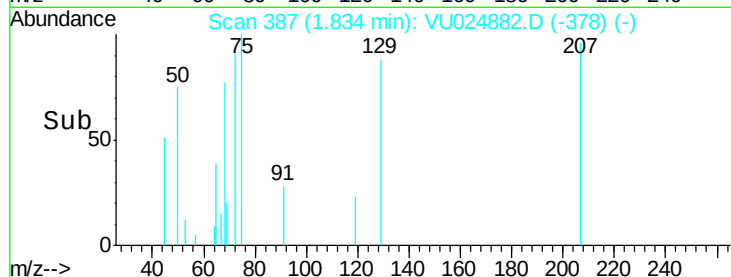
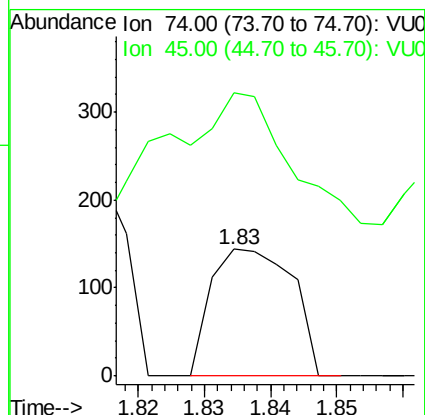
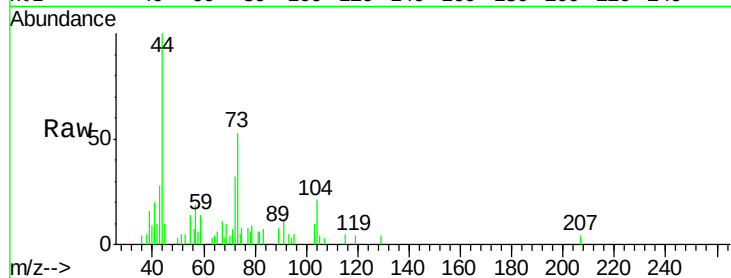
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 74 Resp: 123

Ion Ratio Lower Upper

74 100

45 150.4 55.0 165.0



#10

Methyl Iodide

Concen: 5.37 ug/l

RT: 2.39 min Scan# 561

Delta R.T. -0.02 min

Lab File: VU024882.D

Acq: 25 Jun 2018 18:09

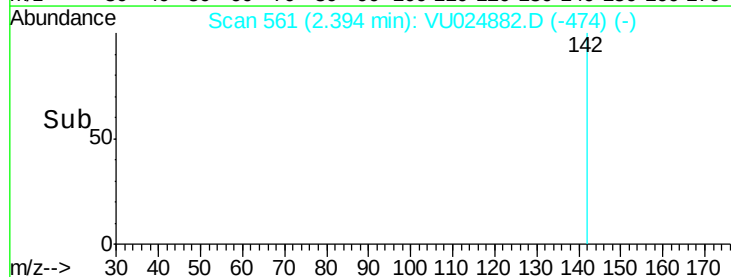
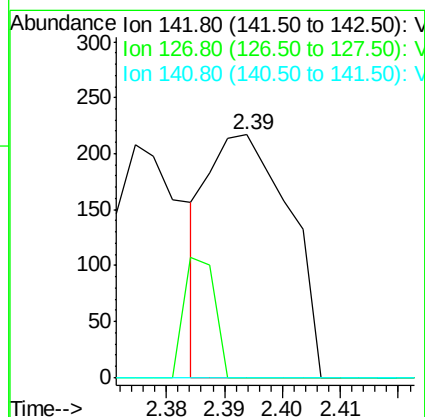
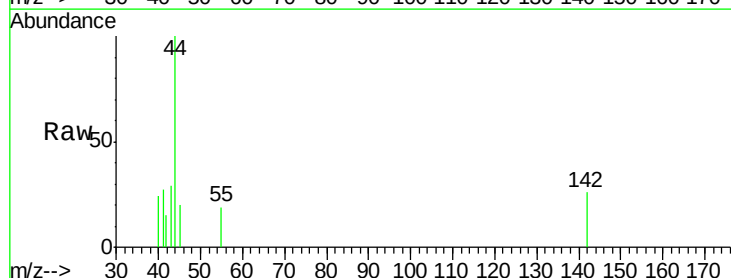
Tgt Ion:142 Resp: 210

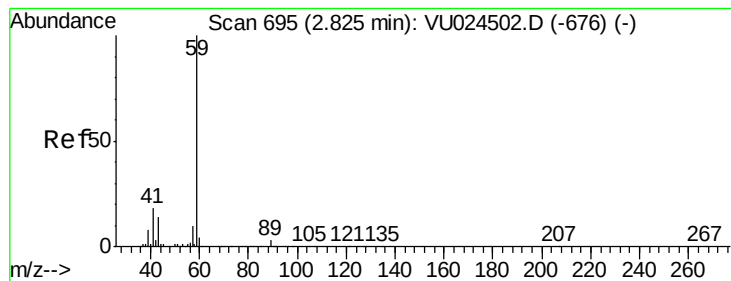
Ion Ratio Lower Upper

142 100

127 19.0 35.6 53.4#

141 0.0 11.7 17.5#



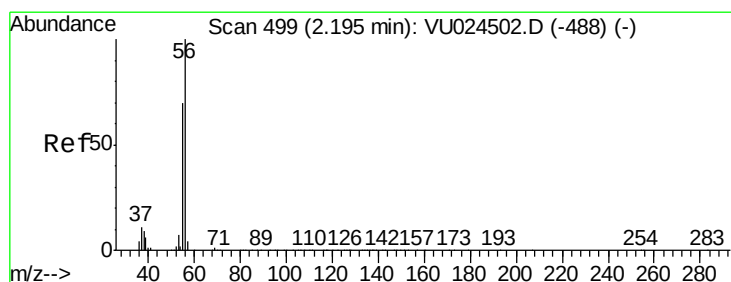
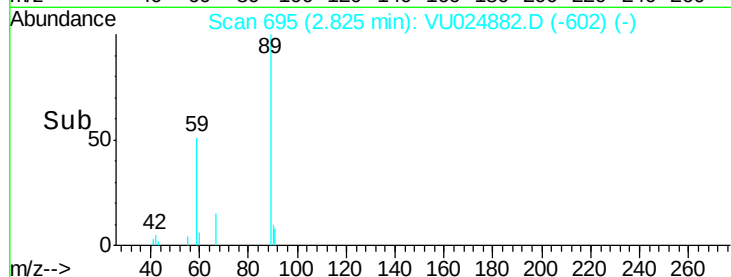
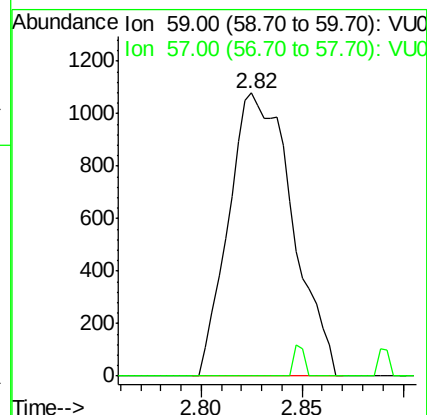
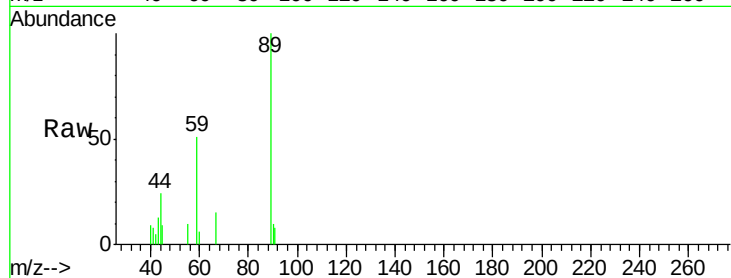


#11

Tert butyl alcohol
 Concen: 2.83 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VU024882.D
 Acq: 25 Jun 2018 18:09

Instrument :
 MSVOA_U
 ClientSampleId :

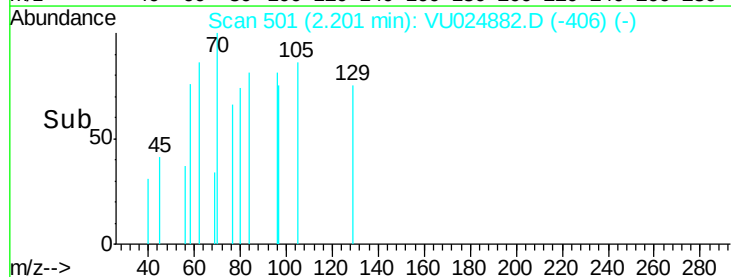
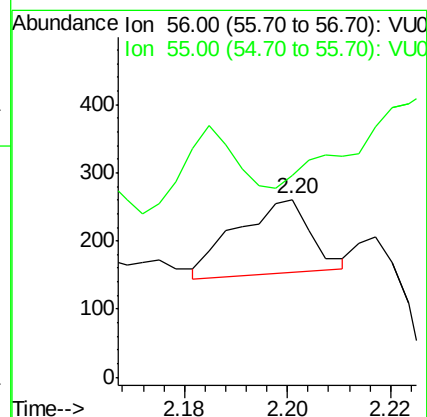
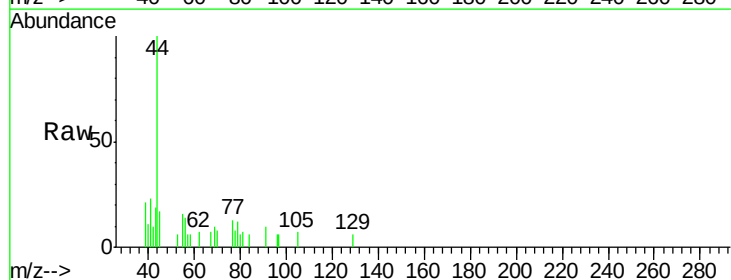
Tot Ion: 59 Resp: 2364
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

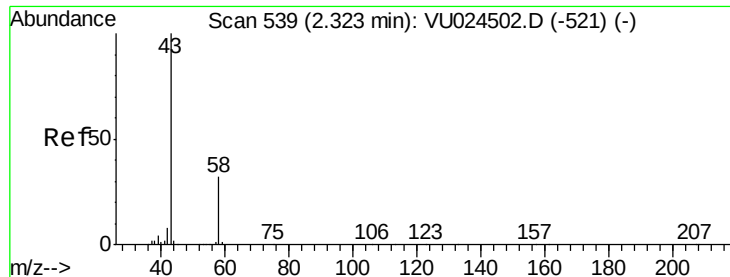


#13

Acrolein
 Concen: 0.25 ug/l
 RT: 2.20 min Scan# 501
 Delta R.T. 0.01 min
 Lab File: VU024882.D
 Acq: 25 Jun 2018 18:09

Tgt Ion: 56 Resp: 109
 Ion Ratio Lower Upper
 56 100
 55 73.4 58.4 87.6





#16

Acetone

Concen: 0.55 ug/l

RT: 2.35 min Scan# 546

Delta R.T. 0.02 min

Lab File: VU024882.D

Acq: 25 Jun 2018 18:09

Instrument :

MSVOA_U

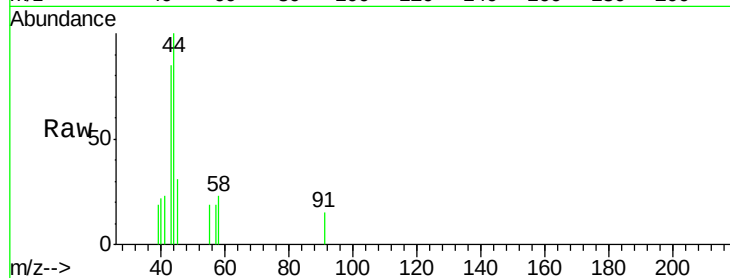
ClientSampled :

Tot Ion: 43 Resp: 1010

Ion Ratio Lower Upper

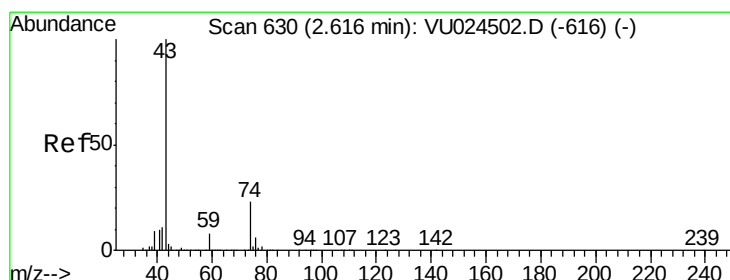
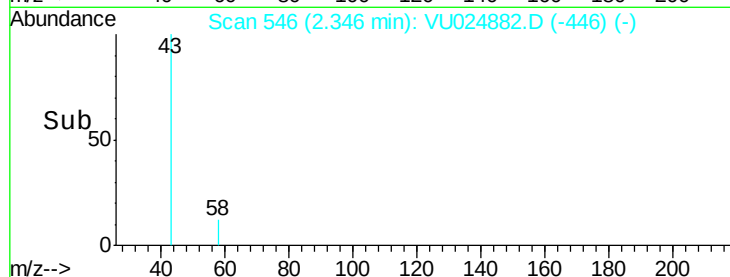
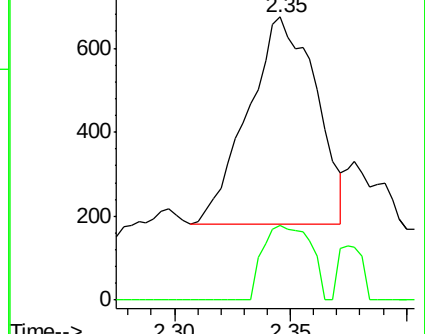
43 100

58 36.1 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 2.03 ug/l

RT: 2.62 min Scan# 632

Delta R.T. 0.01 min

Lab File: VU024882.D

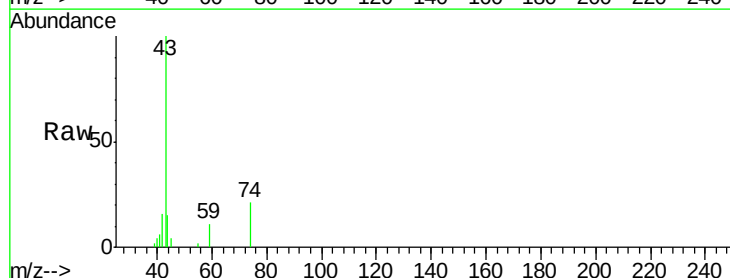
Acq: 25 Jun 2018 18:09

Tgt Ion: 43 Resp: 8022

Ion Ratio Lower Upper

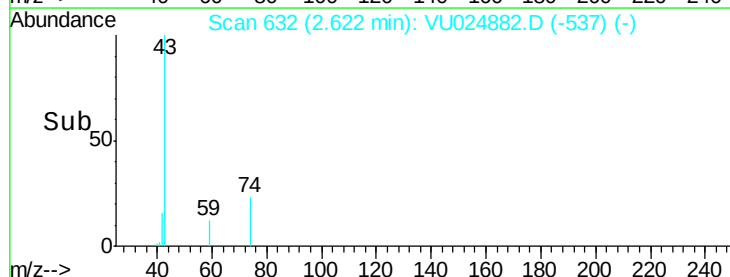
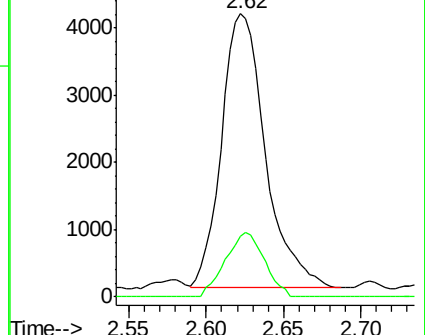
43 100

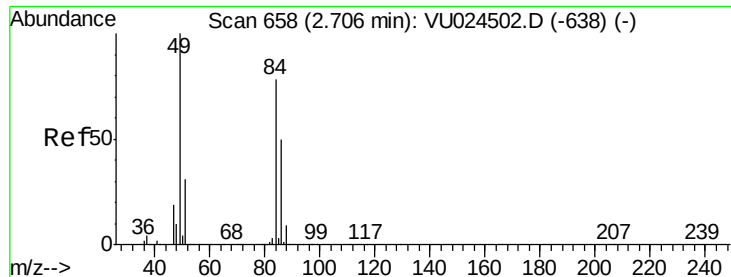
74 20.9 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

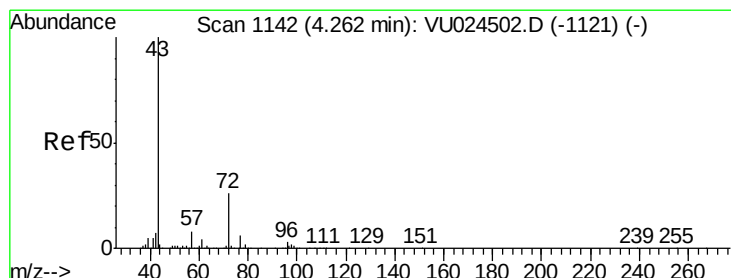
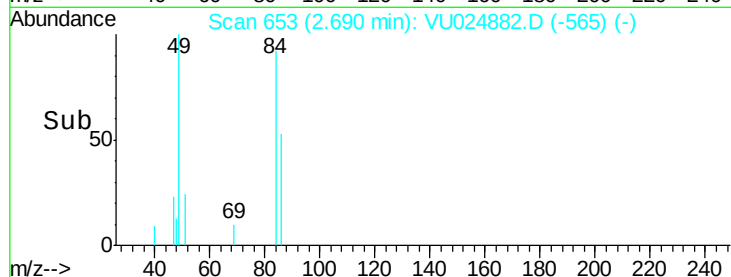
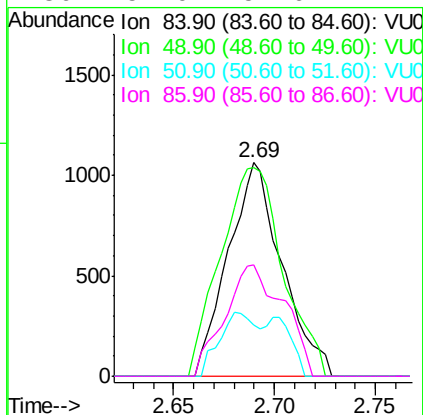
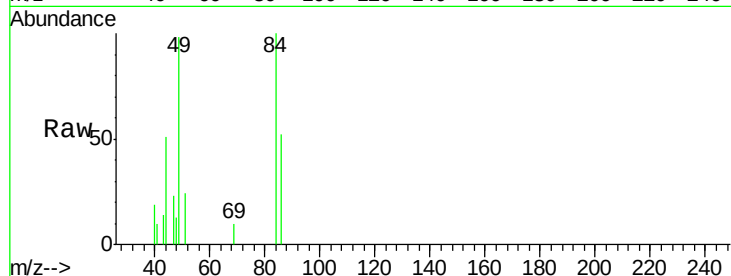




#20
Methvlene Chloride
Concen: 0.68 ug/l
RT: 2.69 min Scan# 653
Delta R.T. -0.02 min
Lab File: VU024882.D
Acq: 25 Jun 2018 18:09

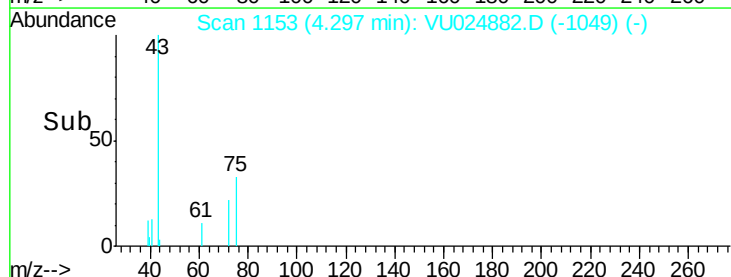
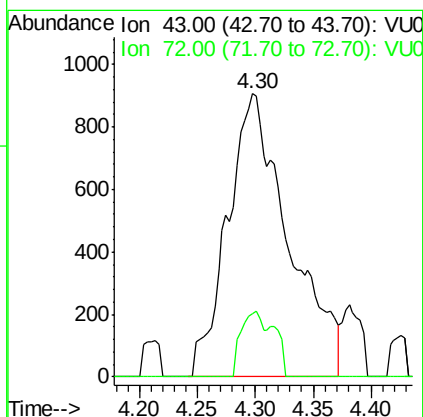
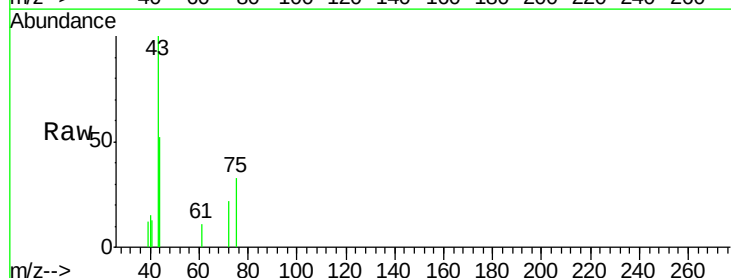
Instrument :
MSVOA_U
ClientSampleId :

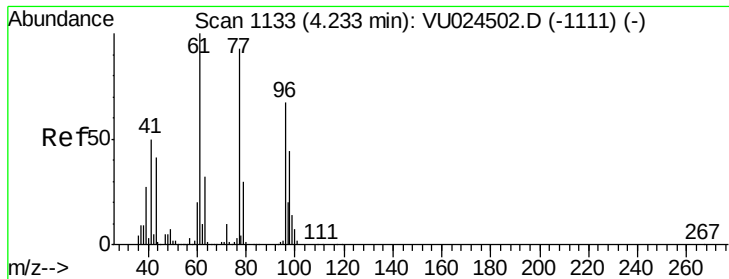
Tot Ion: 84 Resp: 1978
Ion Ratio Lower Upper
84 100
49 97.8 103.8 155.8#
51 23.8 32.0 48.0#
86 52.0 51.6 77.4



#25
2-Butanone
Concen: 1.34 ug/l
RT: 4.30 min Scan# 1153
Delta R.T. 0.04 min
Lab File: VU024882.D
Acq: 25 Jun 2018 18:09

Tgt Ion: 43 Resp: 3322
Ion Ratio Lower Upper
43 100
72 22.4 19.6 29.4





#27

cis-1,2-Dichloroethene

Concen: 2.17 ug/l

RT: 4.22 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VU024882.D

Acq: 25 Jun 2018 18:09

Instrument :
MSVOA_U
ClientSampled :

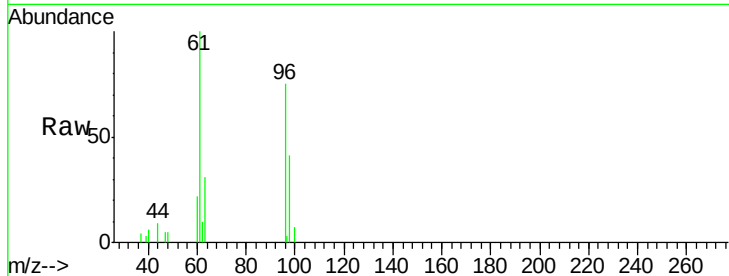
Tot Ion: 96 Resp: 6584

Ion Ratio Lower Upper

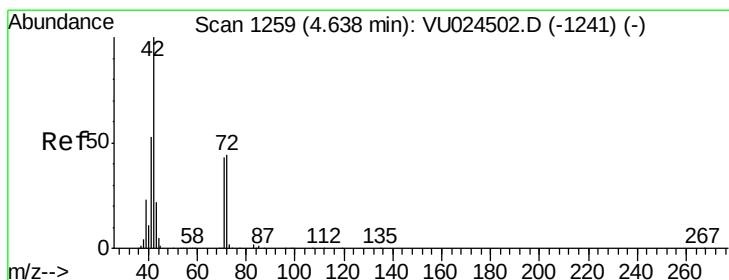
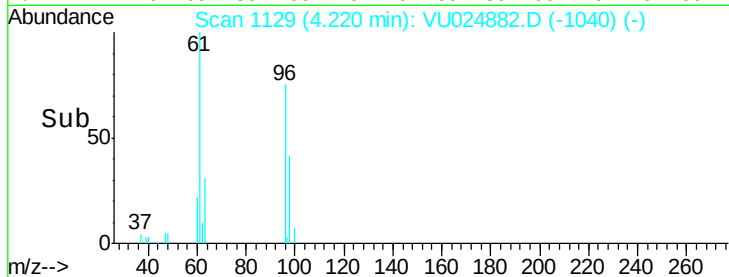
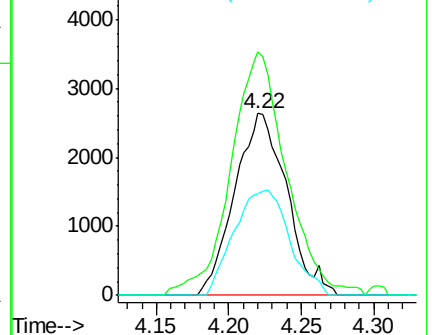
96 100

61 142.9 0.0 306.6

98 61.5 0.0 128.8



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



#29

Tetrahydrofuran

Concen: 0.24 ug/l

RT: 4.65 min Scan# 1264

Delta R.T. 0.02 min

Lab File: VU024882.D

Acq: 25 Jun 2018 18:09

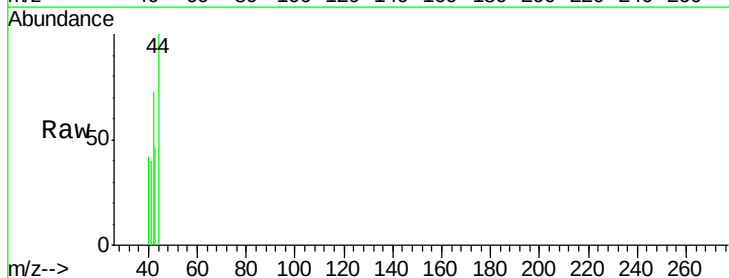
Tgt Ion: 42 Resp: 368

Ion Ratio Lower Upper

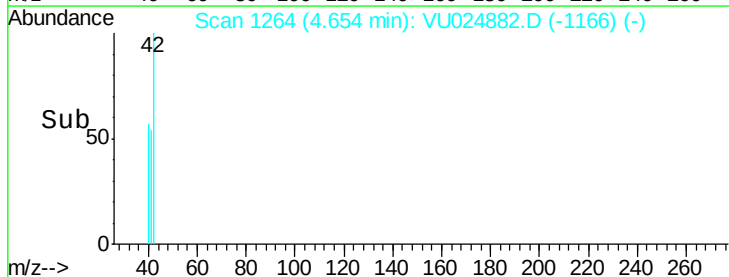
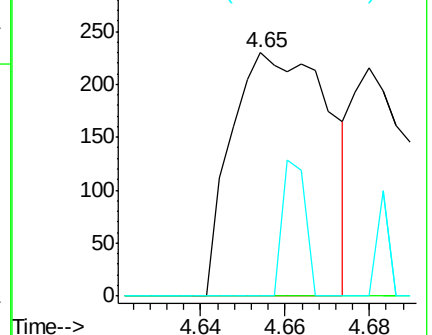
42 100

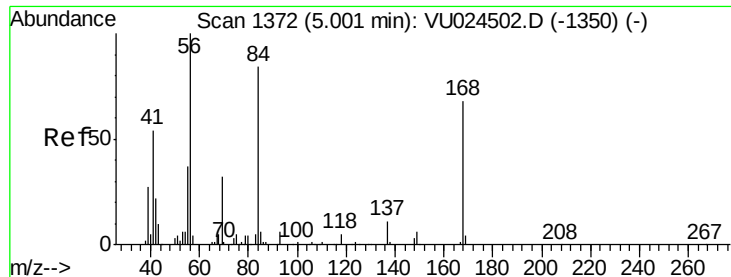
72 0.0 34.5 51.7#

71 13.0 32.2 48.4#



Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

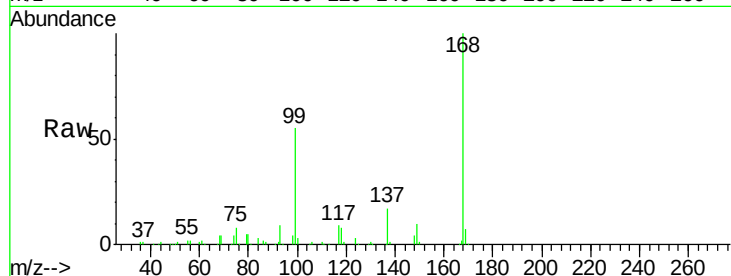




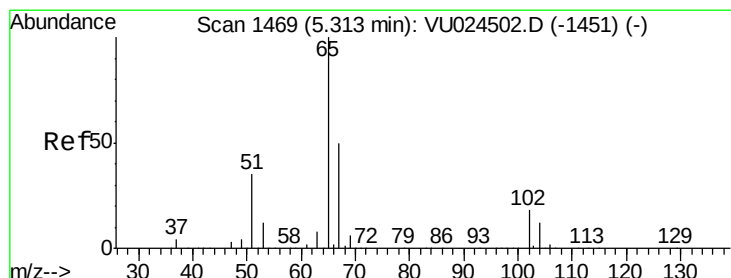
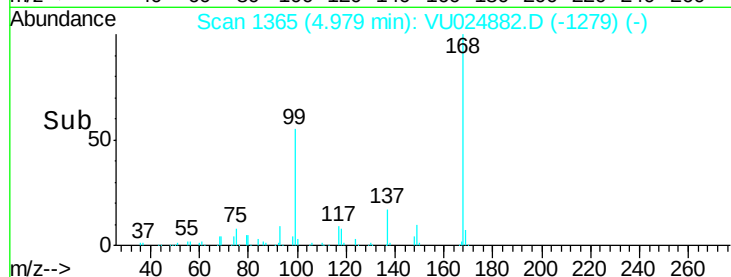
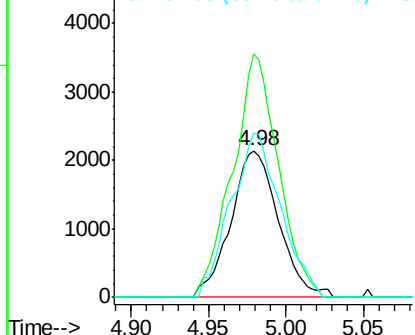
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VU024882.D
Acq: 25 Jun 2018 18:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 4582
Ion Ratio Lower Upper
56 100
69 166.3 24.8 37.2#
84 112.6 65.2 97.8#

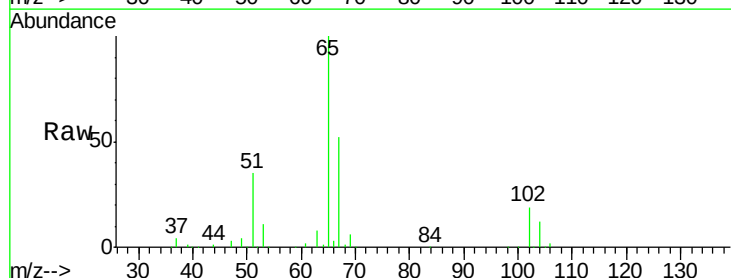


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

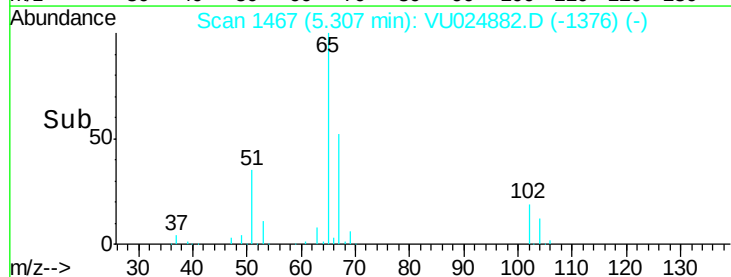
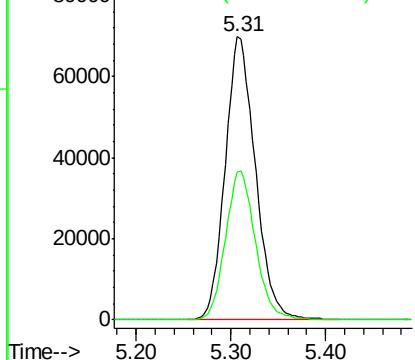


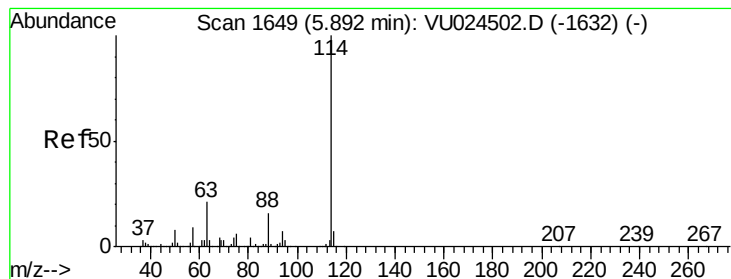
#33
1,2-Dichloroethane-d4
Concen: 45.14 ug/l
RT: 5.31 min Scan# 1467
Delta R.T. -0.01 min
Lab File: VU024882.D
Acq: 25 Jun 2018 18:09

Tgt Ion: 65 Resp: 155208
Ion Ratio Lower Upper
65 100
67 52.3 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: 50.00 ug/l

RT: 5.89 min Scan# 1647

Delta R.T. -0.01 min

Lab File: VU024882.D

Acq: 25 Jun 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

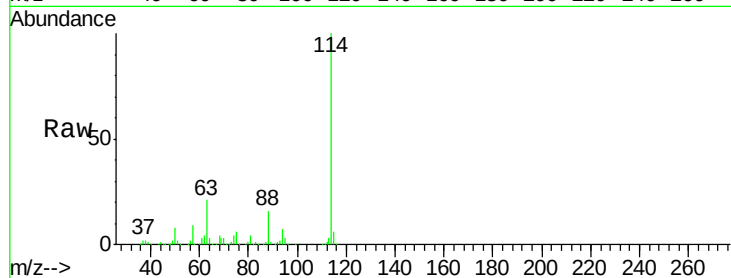
Tot Ion:114 Resp: 321957

Ion Ratio Lower Upper

114 100

63 20.6 0.0 45.4

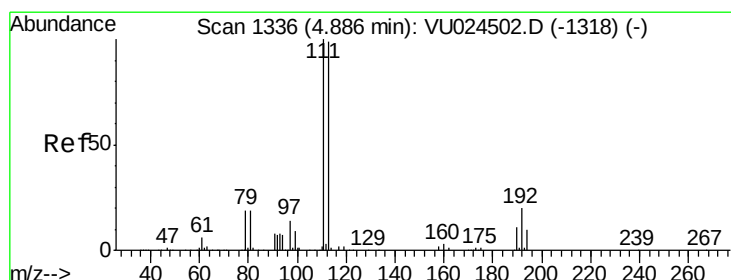
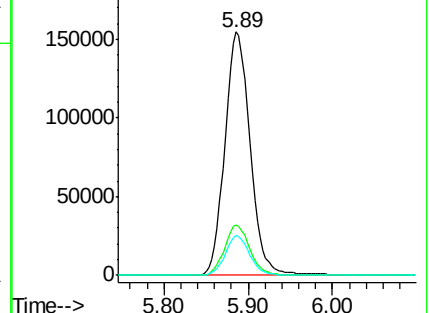
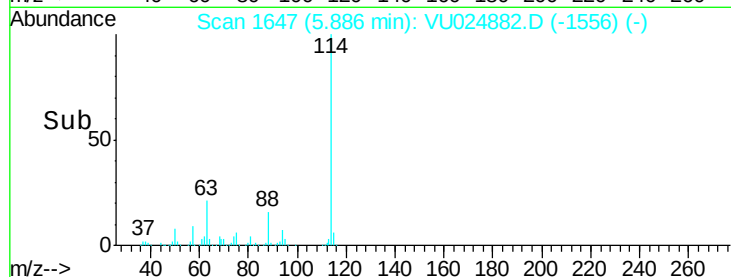
88 16.3 0.0 31.0



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: 46.09 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU024882.D

Acq: 25 Jun 2018 18:09

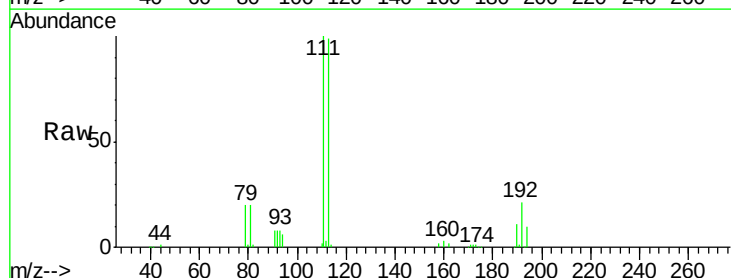
Tgt Ion:113 Resp: 123165

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.4

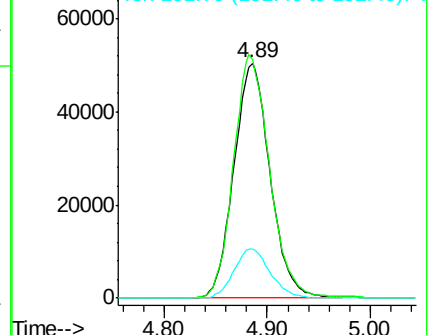
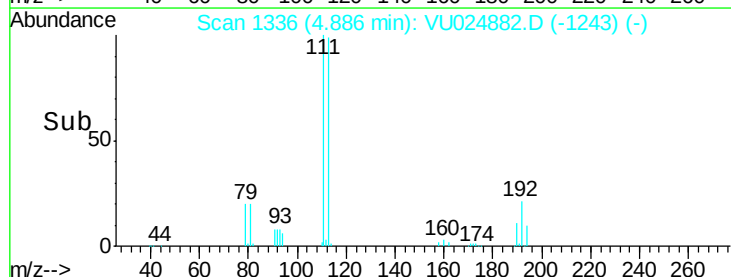
192 20.9 16.2 24.4

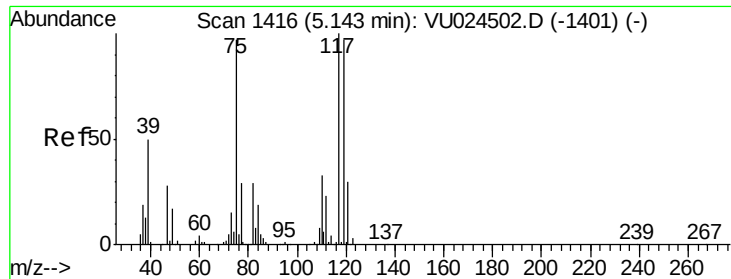


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

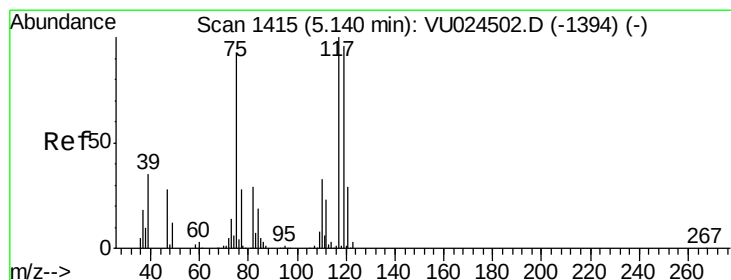
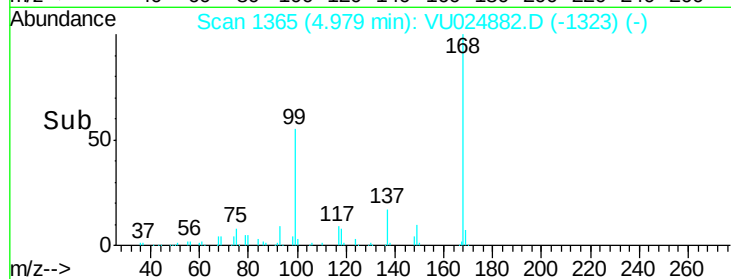
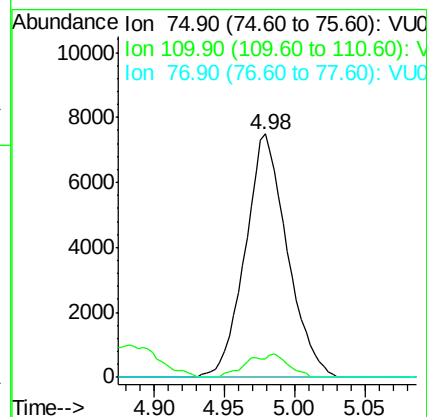
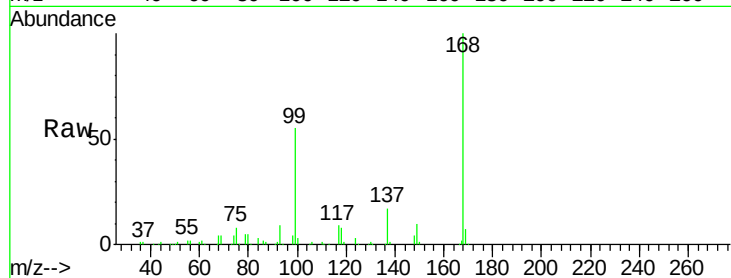




#36
 1,1-Dichloropropene
 Concen: 4.13 ug/l
 RT: 4.98 min Scan# 1365
 Delta R.T. -0.16 min
 Lab File: VU024882.D
 Acq: 25 Jun 2018 18:09

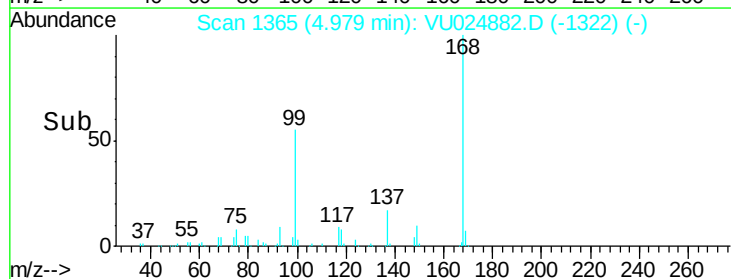
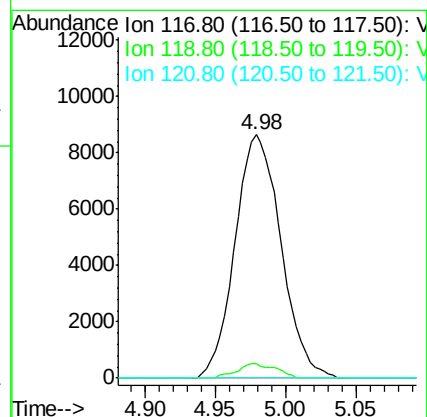
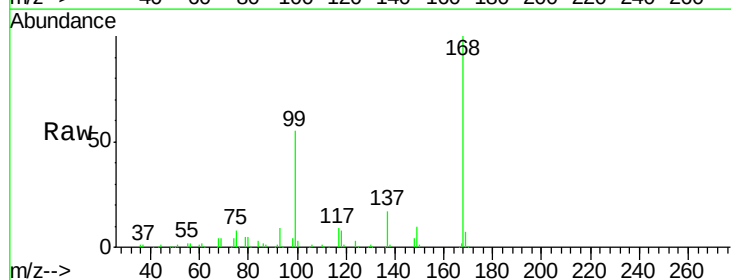
Instrument :
 MSVOA_U
 ClientSampleId :

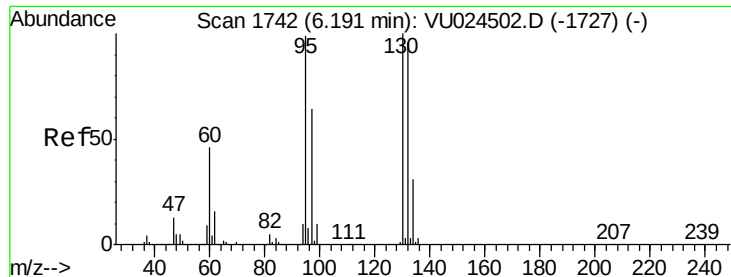
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.7	17.0	50.9#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 4.74 ug/l
 RT: 4.98 min Scan# 1365
 Delta R.T. -0.16 min
 Lab File: VU024882.D
 Acq: 25 Jun 2018 18:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.1	114.1#
121	0.0	23.7	35.5#





#44

Trichloroethene

Concen: 1.44 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU024882.D

Acq: 25 Jun 2018 18:09

Instrument :

MSVOA_U

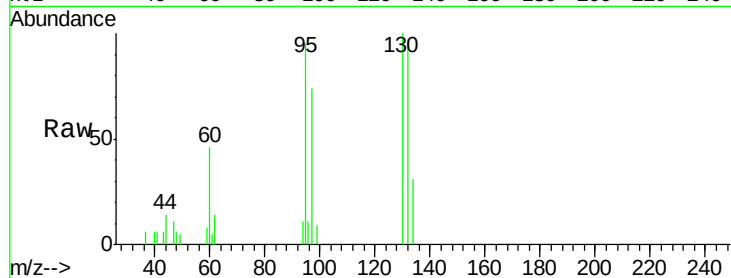
ClientSampleId :

Tot Ion:130 Resp: 4418

Ion Ratio Lower Upper

130 100

95 94.6 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

6.19

2500

2000

1500

1000

500

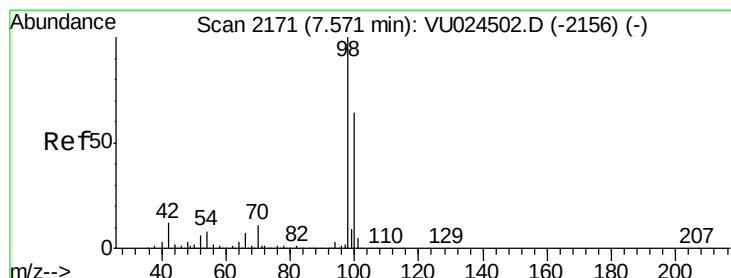
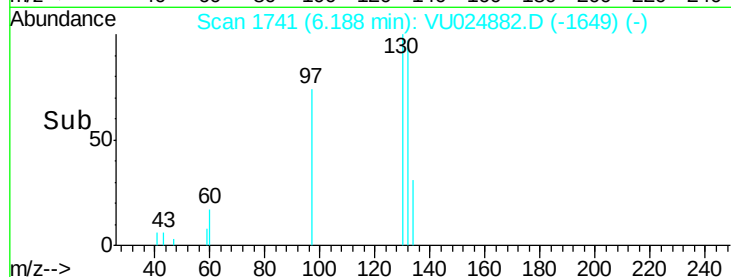
0

6.15

6.20

6.25

Time-->



#50

Toluene-d8

Concen: 48.17 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024882.D

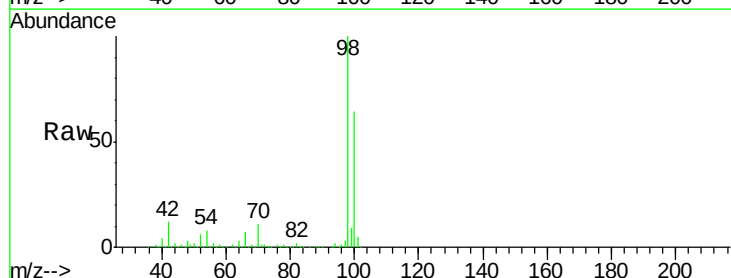
Acq: 25 Jun 2018 18:09

Tgt Ion: 98 Resp: 469447

Ion Ratio Lower Upper

98 100

100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

7.57

300000

250000

200000

150000

100000

50000

0

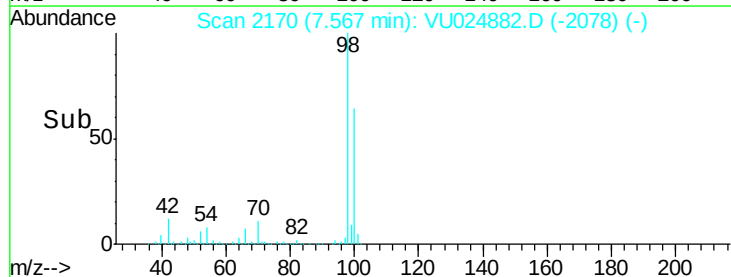
7.50

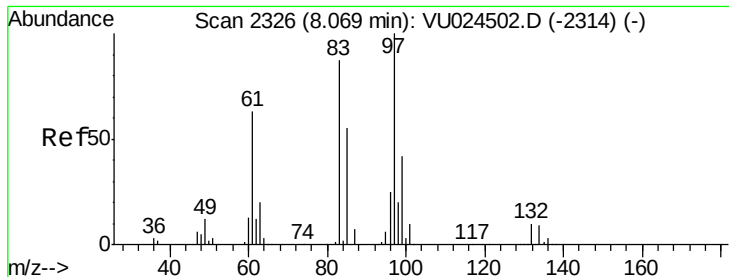
7.55

7.60

7.65

Time-->





#55

1,1,2-Trichloroethane

Concen: 0.50 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.16 min

Lab File: VU024882.D

Acq: 25 Jun 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 1414

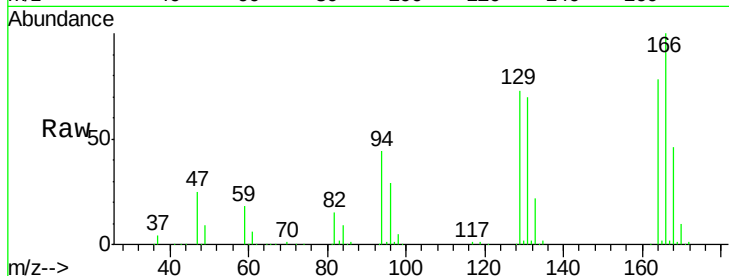
Ion Ratio Lower Upper

97 100

83 233.6 70.5 105.7#

85 45.1 46.4 69.6#

99 19.2 50.2 75.2#

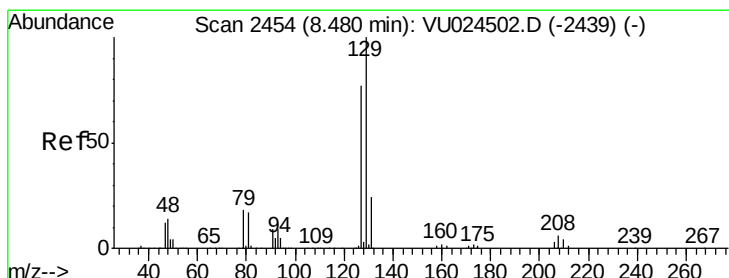
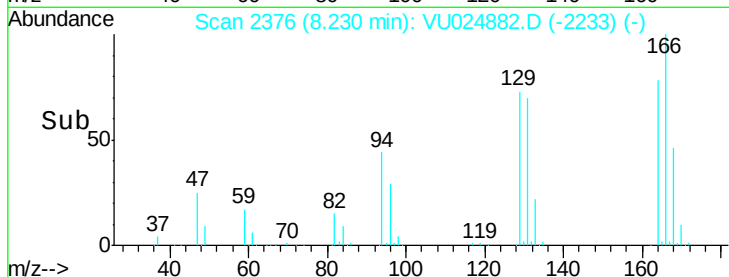
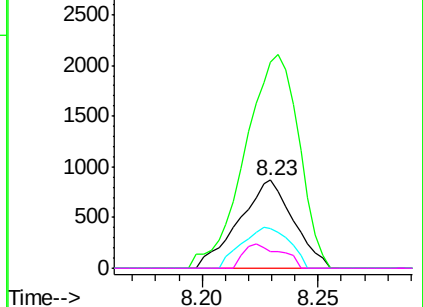


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#60

Dibromochloromethane

Concen: 45.85 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. -0.25 min

Lab File: VU024882.D

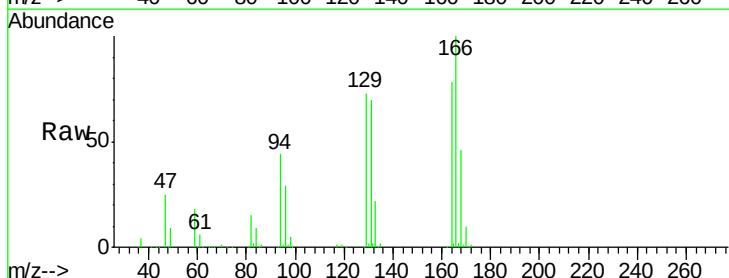
Acq: 25 Jun 2018 18:09

Tgt Ion: 129 Resp: 161191

Ion Ratio Lower Upper

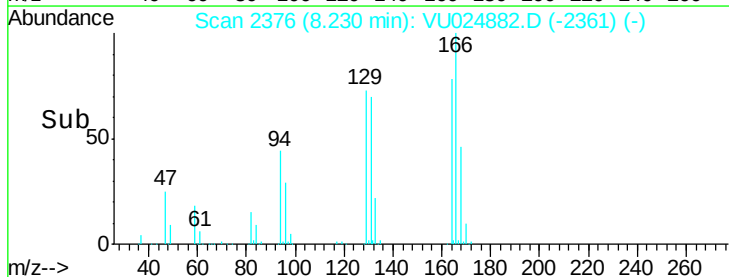
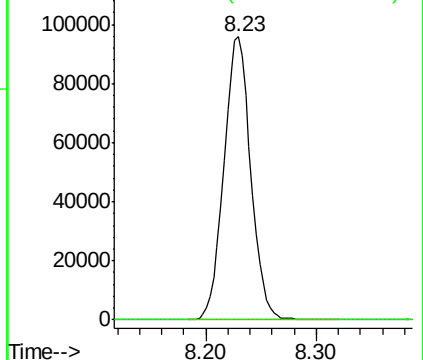
129 100

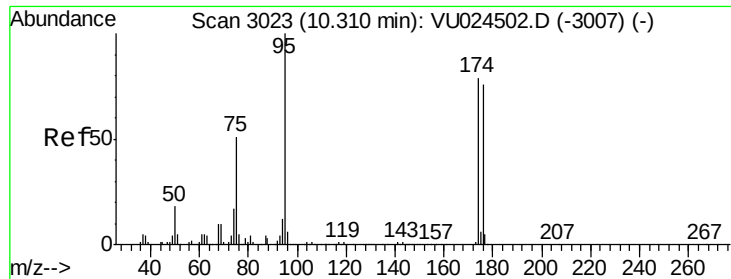
127 0.0 38.6 116.0#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

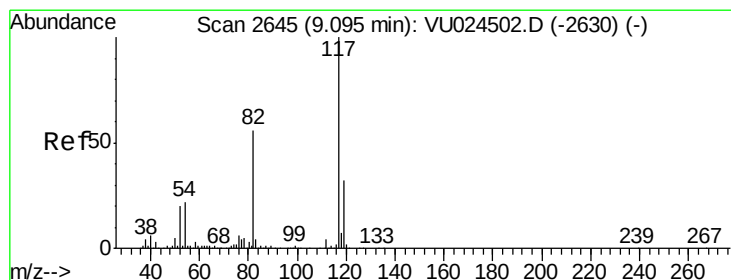
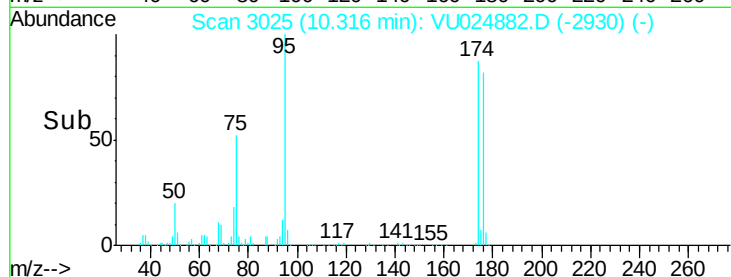
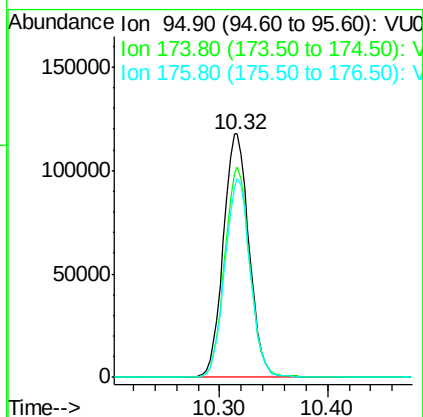
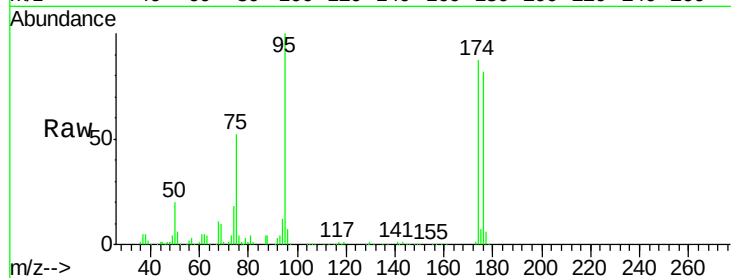




#62
4-Bromofluorobenzene
Concen: 50.43 ug/l
RT: 10.32 min Scan# 3025
Delta R.T. 0.01 min
Lab File: VU024882.D
Acq: 25 Jun 2018 18:09

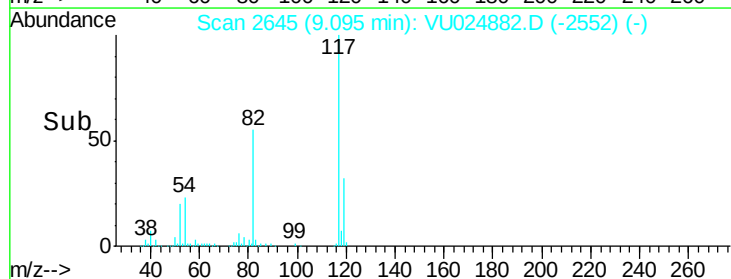
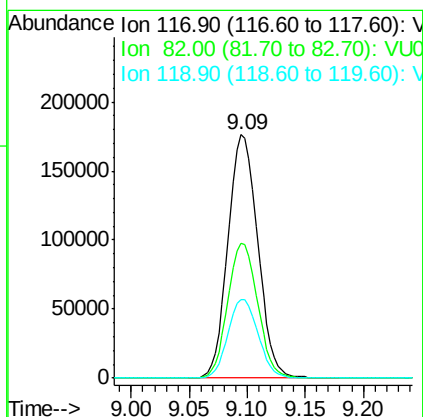
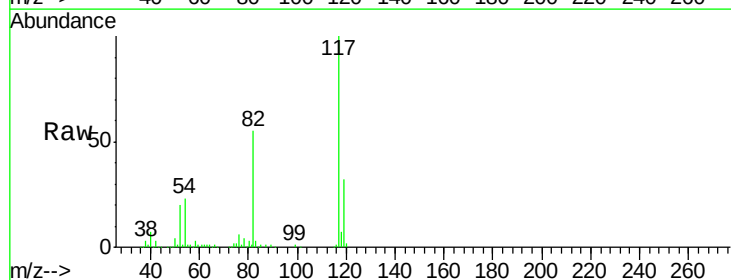
Instrument :
MSVOA_U
ClientSampleId :

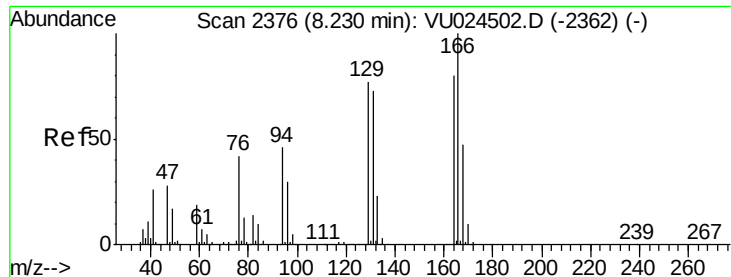
Tot Ion	Ratio	Lower	Upper
95	100		
174	84.5	0.0	165.8
176	80.7	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024882.D
Acq: 25 Jun 2018 18:09

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.3	66.5
119	32.5	25.4	38.2





#64

Tetrachloroethene

Concen: 57.90 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU024882.D

Acq: 25 Jun 2018 18:09

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:164 Resp: 172518

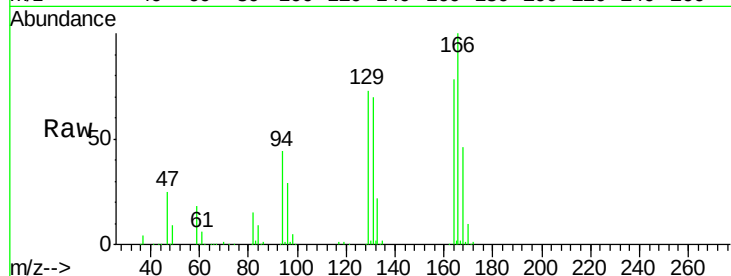
Ion Ratio Lower Upper

164 100

166 128.8 101.7 152.5

129 94.0 76.9 115.3

131 90.6 74.9 112.3

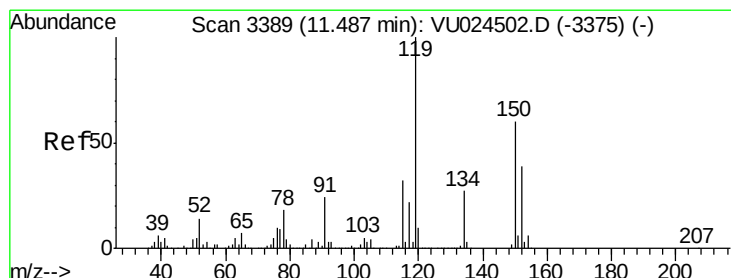
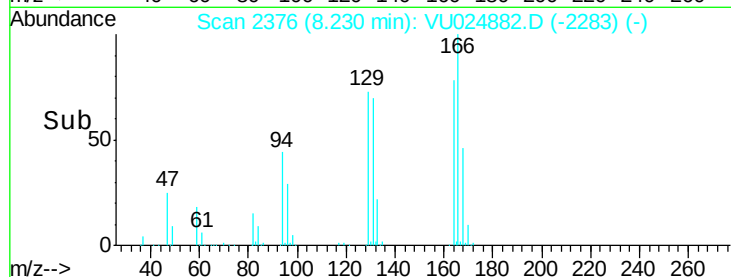
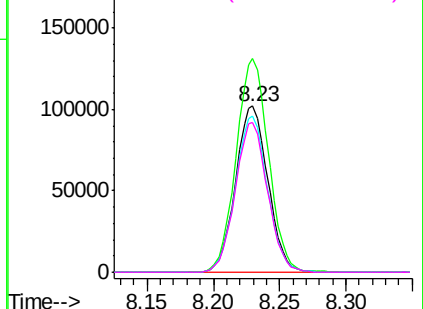


Abundance Ion 163.80 (163.50 to 164.50): V

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU024882.D

Acq: 25 Jun 2018 18:09

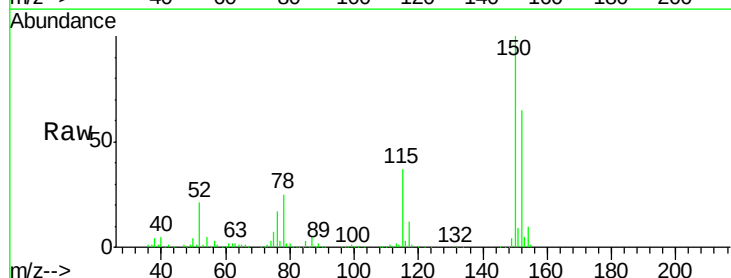
Tgt Ion:152 Resp: 181708

Ion Ratio Lower Upper

152 100

115 57.4 43.0 129.0

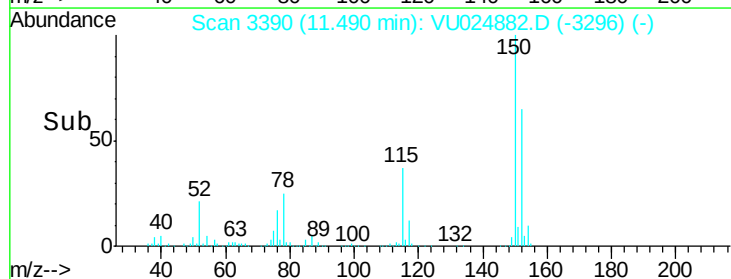
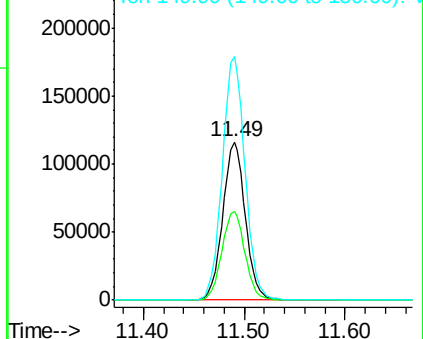
150 155.4 0.0 354.0

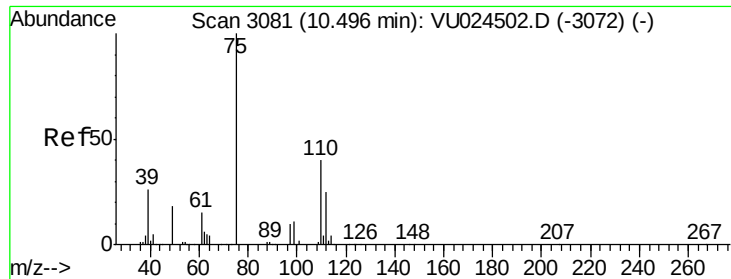


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

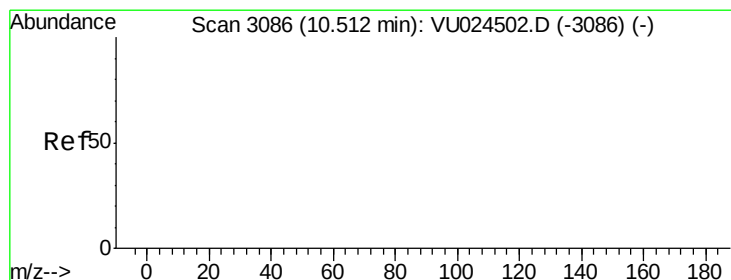
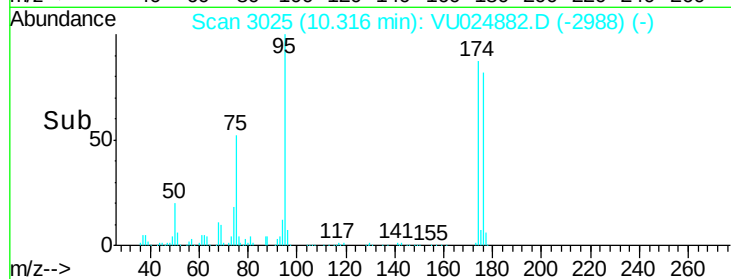
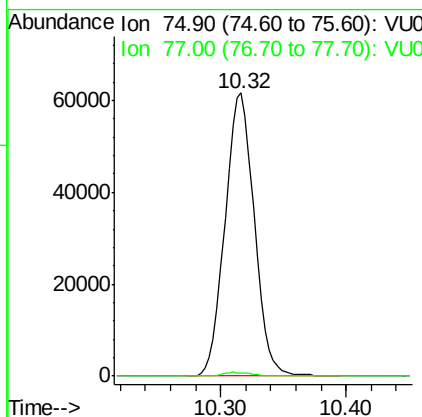
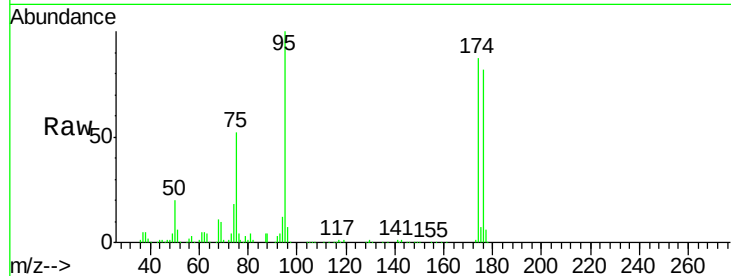




#76
 1,2,3-Trichloropropane
 Concen: 25.09 ug/l
 RT: 10.32 min Scan# 3025
 Delta R.T. -0.18 min
 Lab File: VU024882.D
 Acq: 25 Jun 2018 18:09

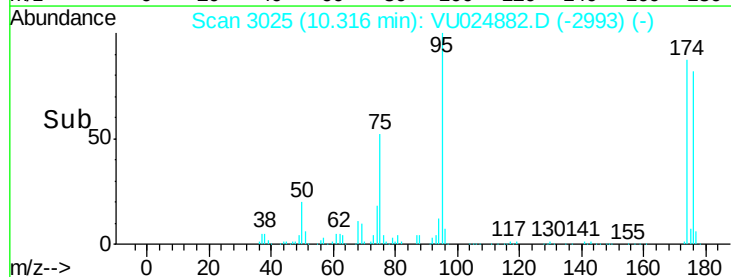
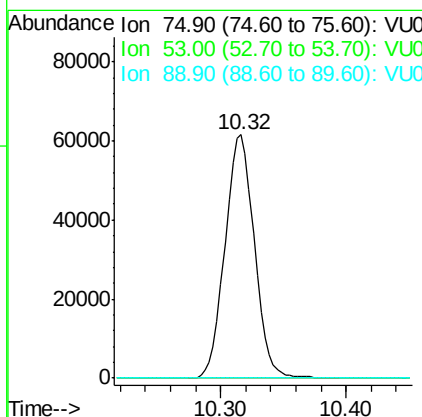
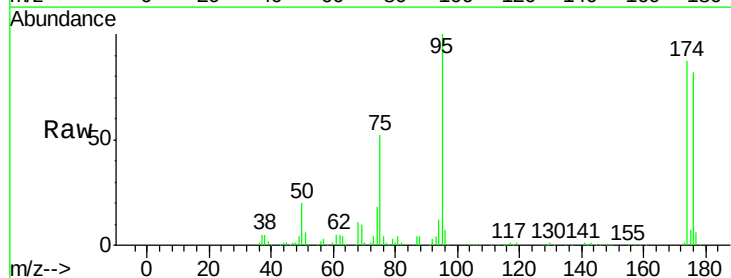
Instrument :
 MSVOA_U
 ClientSampleId :

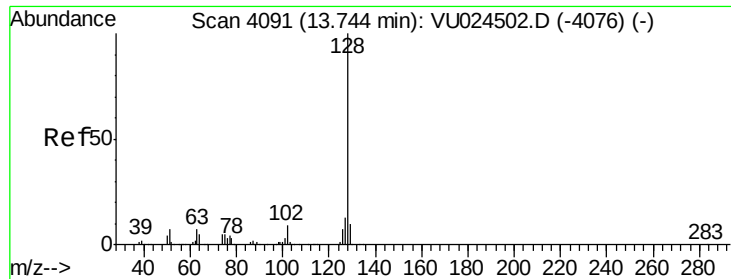
Tot Ion: 75 Resp: 100387
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.08 ug/l
 RT: 10.32 min Scan# 3025
 Delta R.T. -0.20 min
 Lab File: VU024882.D
 Acq: 25 Jun 2018 18:09

Tgt Ion: 75 Resp: 100387
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#95
Naphthalene
Concen: 0.72 ug/l
RT: 13.76 min Scan# 4096
Delta R.T. 0.02 min
Lab File: VU024882.D
Acq: 25 Jun 2018 18:09

Instrument :
MSVOA_U
ClientSampleId :

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

