

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024876.D
 Acq On : 25 Jun 2018 15:43
 Operator : MD/SY
 Sample : J3662-06DL 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 26 05:15:17 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	207567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	312446	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	289554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156281	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	149976	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	
35) Dibromofluoromethane	4.89	113	121240	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	
50) Toluene-d8	7.57	98	450689	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
62) 4-Bromofluorobenzene	10.31	95	166294	44.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.56%	

Target Compounds

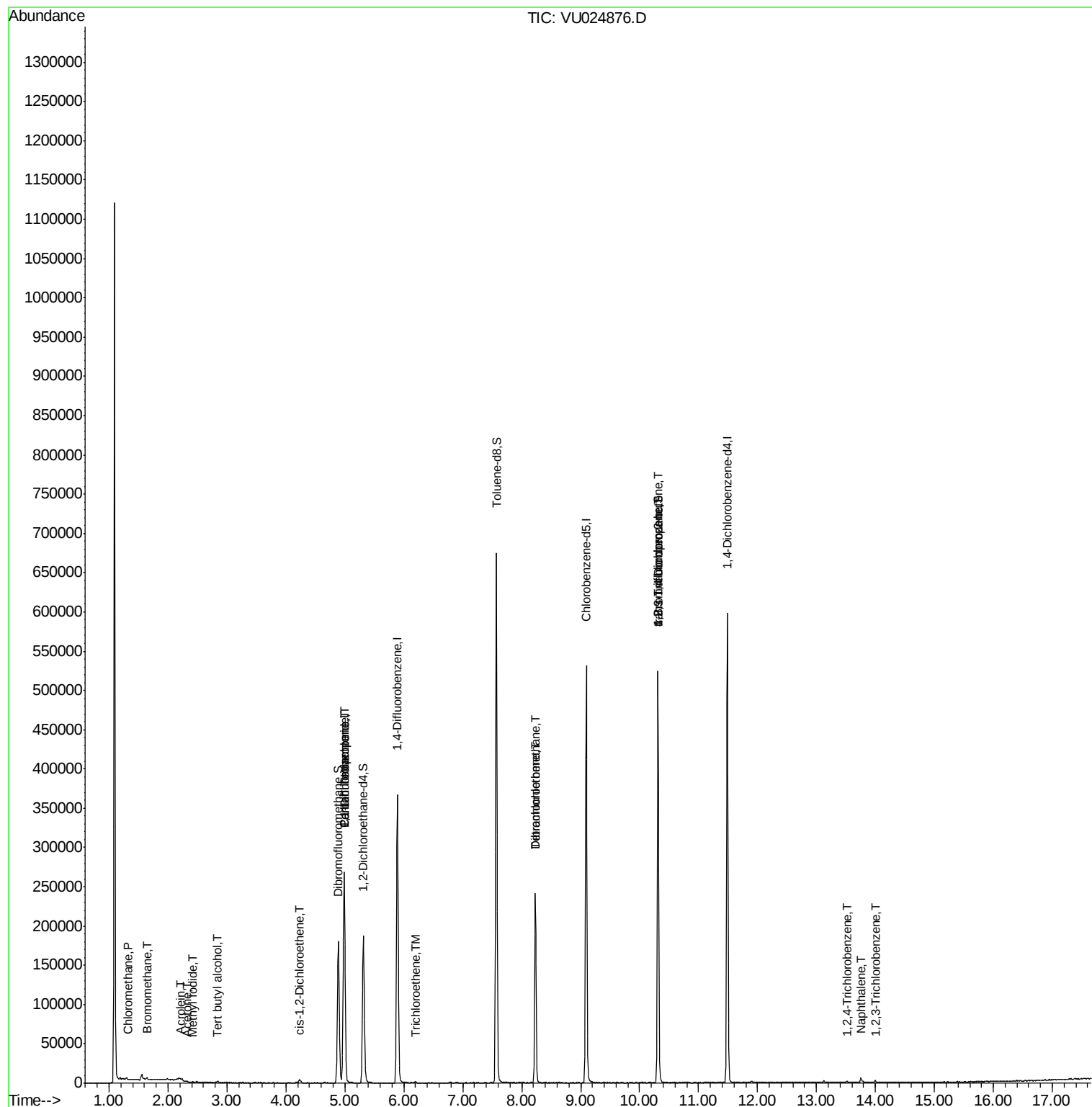
						Qvalue
3) Chloromethane	1.33	50	789	0.30	ug/l	90
5) Bromomethane	1.63	94	753	0.57	ug/l #	75
6) Chloroethane	1.71	64	113	Below Cal	#	43
10) Methyl Iodide	2.42	142	491	5.49	ug/l #	55
11) Tert butyl alcohol	2.83	59	197	0.24	ug/l #	72
13) Acrolein	2.22	56	118	0.27	ug/l #	38
16) Acetone	2.32	43	950	0.52	ug/l #	44
27) cis-1,2-Dichloroethene	4.23	96	2053	0.69	ug/l	97
31) Cyclohexane	4.99	56	4210	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	15485	4.22	ug/l #	46
38) Carbon Tetrachloride	4.99	117	19212	4.76	ug/l #	15
44) Trichloroethene	6.19	130	658	0.22	ug/l	77
60) Dibromochloromethane	8.23	129	51293	15.03	ug/l #	11
64) Tetrachloroethene	8.23	164	54900	19.95	ug/l	97
76) 1,2,3-Trichloropropane	10.31	75	88200	25.63	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	88200	59.33	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.51	180	1000	0.29	ug/l #	74
95) Naphthalene	13.76	128	5665	1.17	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	1173	0.34	ug/l	95

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

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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: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024876.D

Acq: 25 Jun 2018 15:43

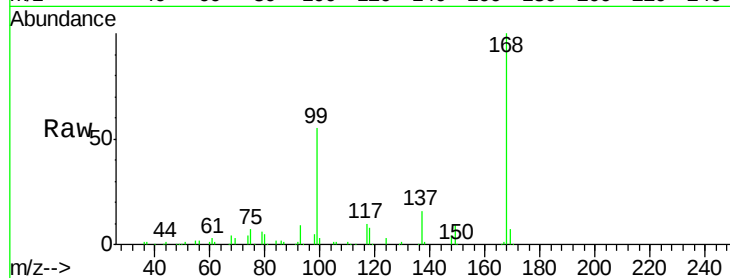
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 207567

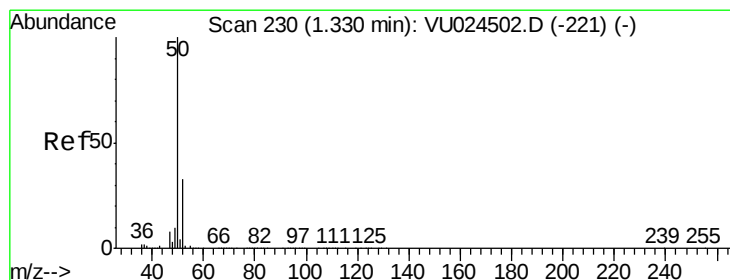
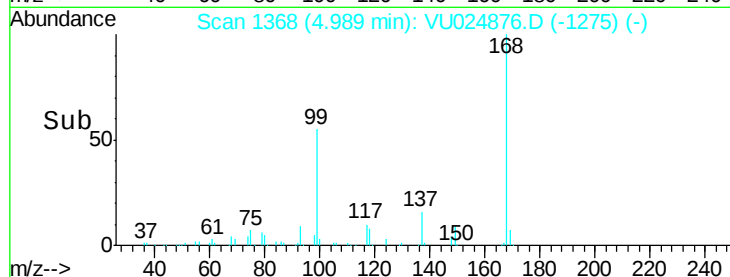
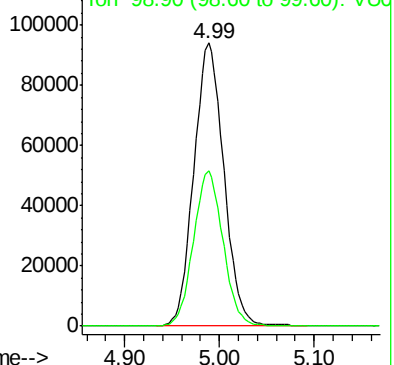
Ion Ratio Lower Upper

168 100

99 54.6 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024876.D (-1275) (-)



#3

Chloromethane

Concen: 0.30 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024876.D

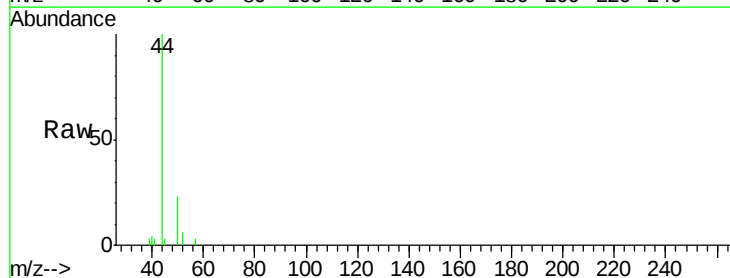
Acq: 25 Jun 2018 15:43

Tgt Ion: 50 Resp: 789

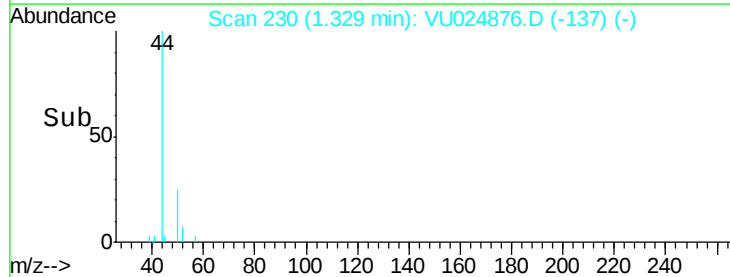
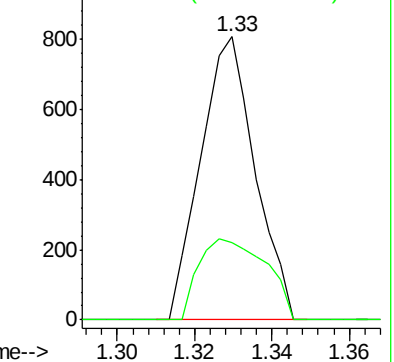
Ion Ratio Lower Upper

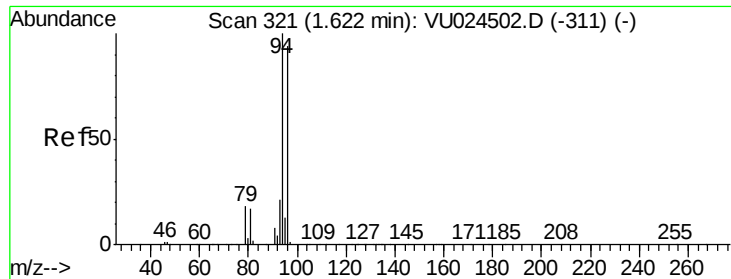
50 100

52 27.4 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024876.D (-137) (-)

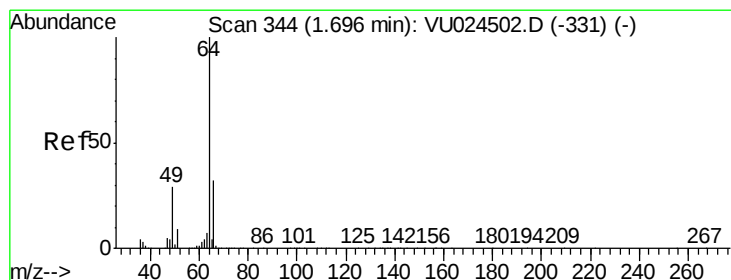
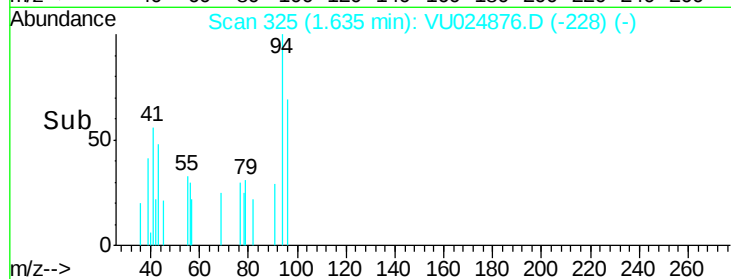
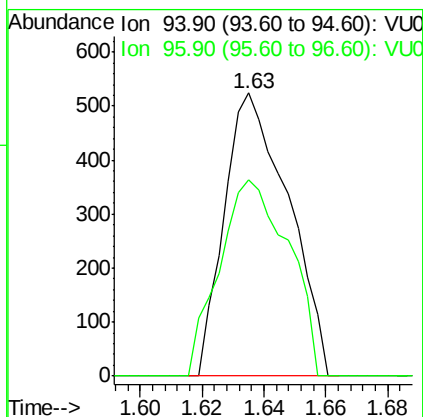
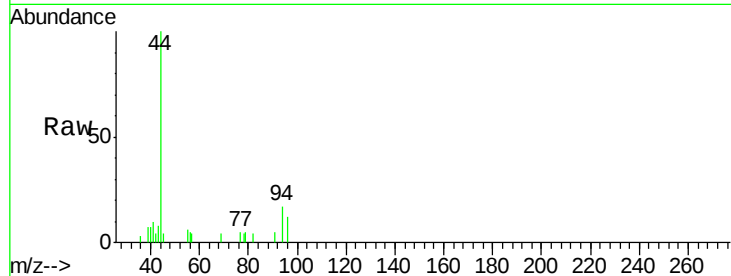




#5
Bromomethane
Concen: 0.57 ug/l
RT: 1.63 min Scan# 325
Delta R.T. 0.01 min
Lab File: VU024876.D
Acq: 25 Jun 2018 15:43

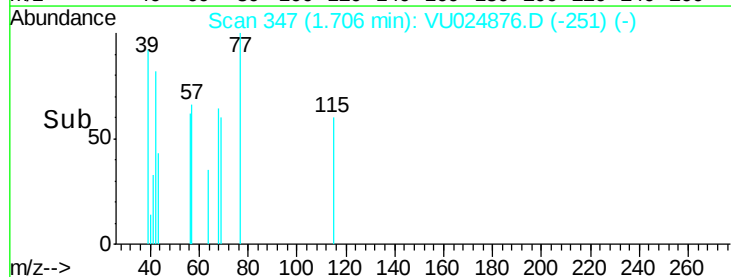
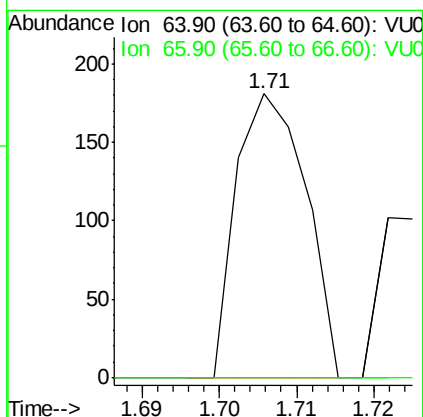
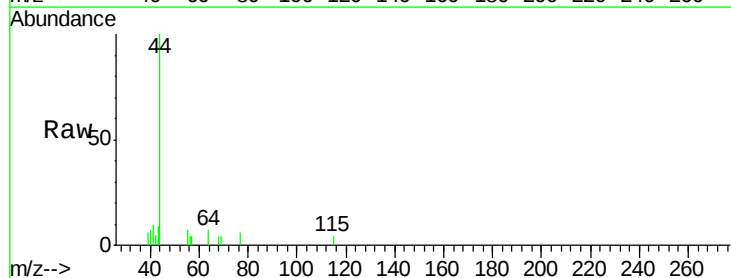
Instrument :
MSVOA_U
ClientSampleId :

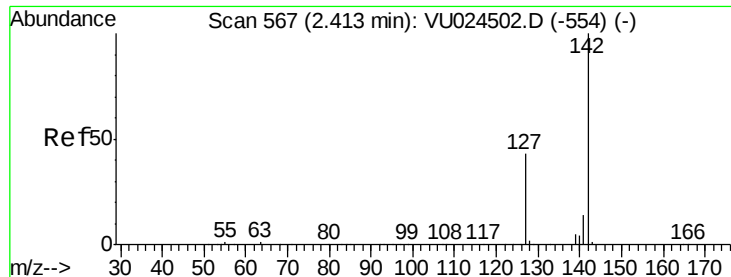
Tot Ion: 94 Resp: 753
Ion Ratio Lower Upper
94 100
96 69.3 74.5 111.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.71 min Scan# 347
Delta R.T. 0.01 min
Lab File: VU024876.D
Acq: 25 Jun 2018 15:43

Tgt Ion: 64 Resp: 113
Ion Ratio Lower Upper
64 100
66 0.0 25.5 38.3#

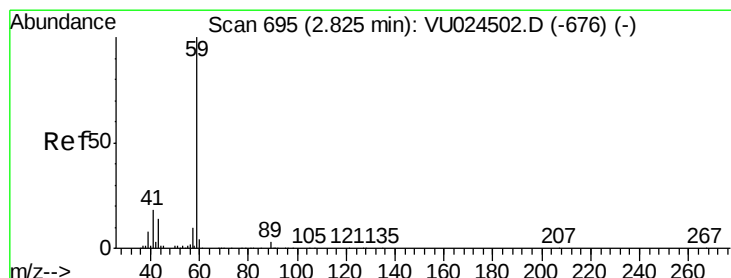
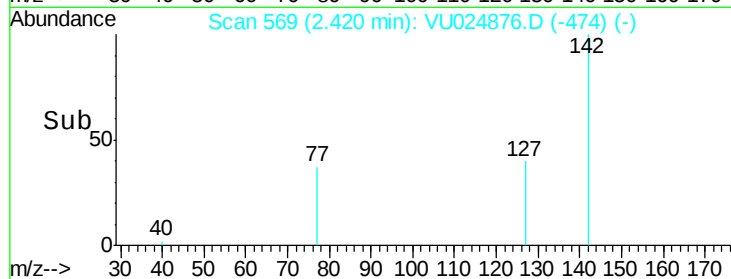
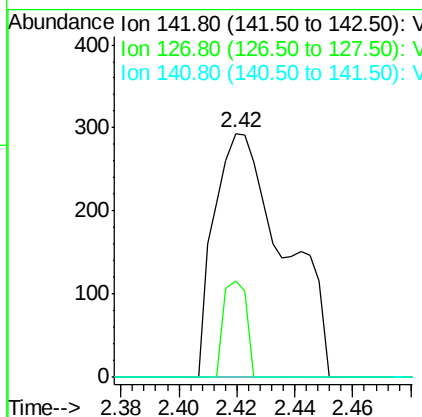
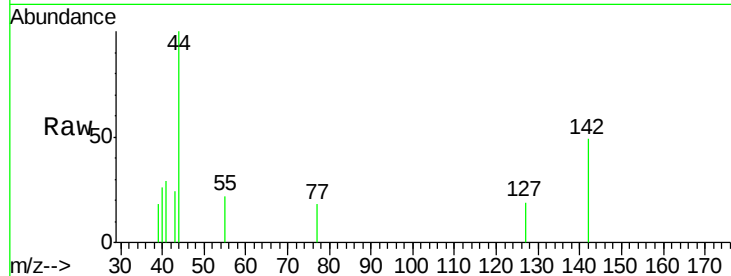




#10
Methvl Iodide
Concen: 5.49 ug/l
RT: 2.42 min Scan# 569
Delta R.T. 0.01 min
Lab File: VU024876.D
Acq: 25 Jun 2018 15:43

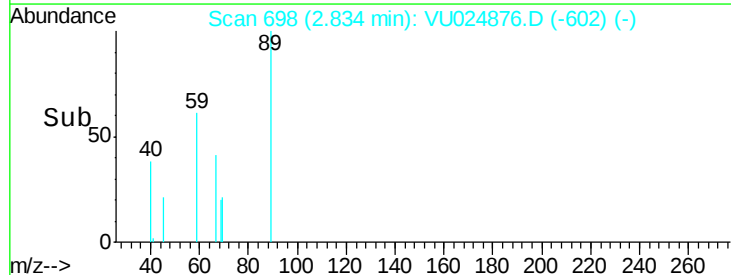
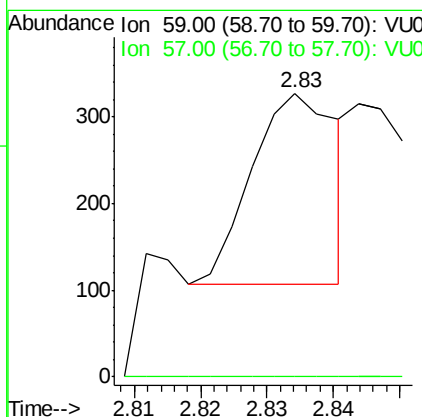
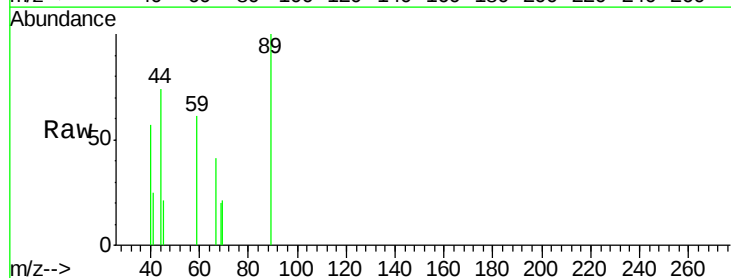
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:142 Resp: 491
Ion Ratio Lower Upper
142 100
127 12.8 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 0.24 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU024876.D
Acq: 25 Jun 2018 15:43

Tgt Ion: 59 Resp: 197
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

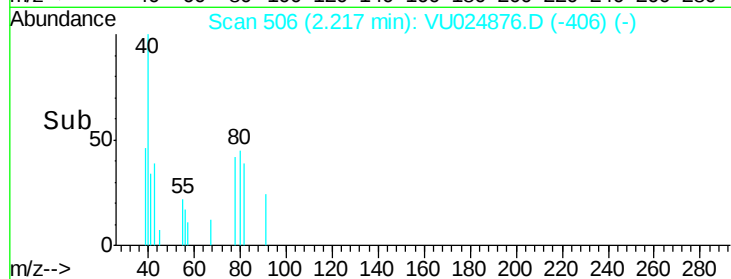
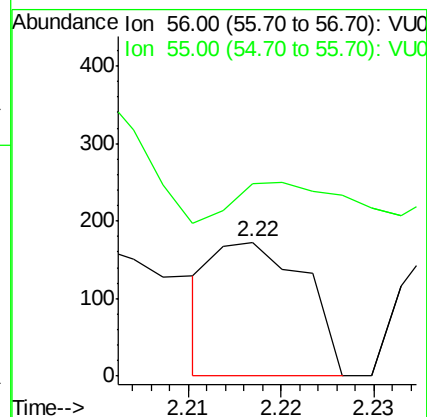
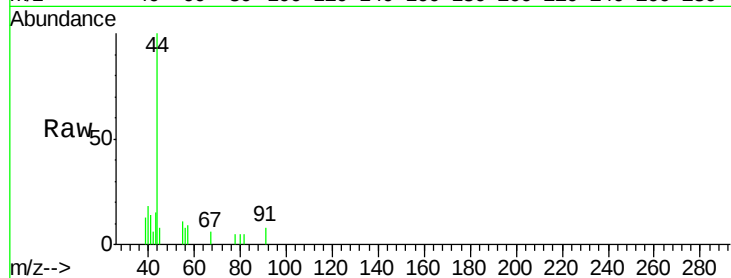




#13
Acrolein
Concen: 0.27 ug/l
RT: 2.22 min Scan# 506
Delta R.T. 0.02 min
Lab File: VU024876.D
Acq: 25 Jun 2018 15:43

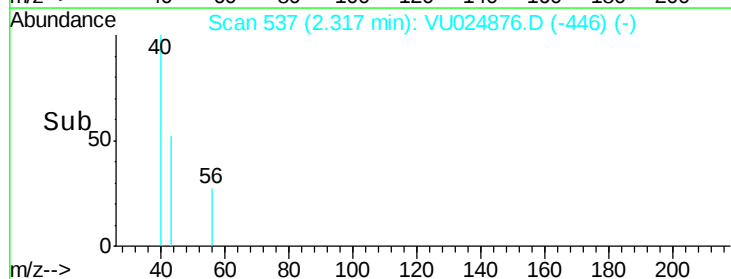
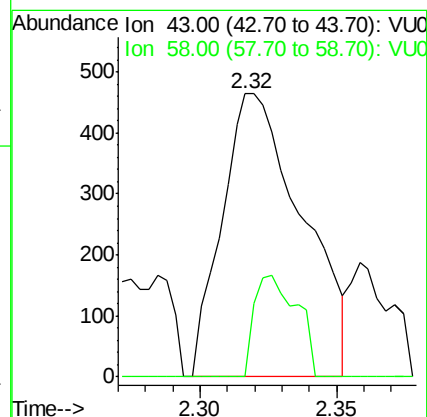
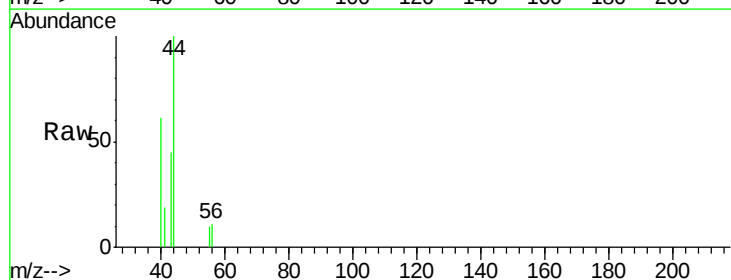
Instrument :
MSVOA_U
ClientSampleId :

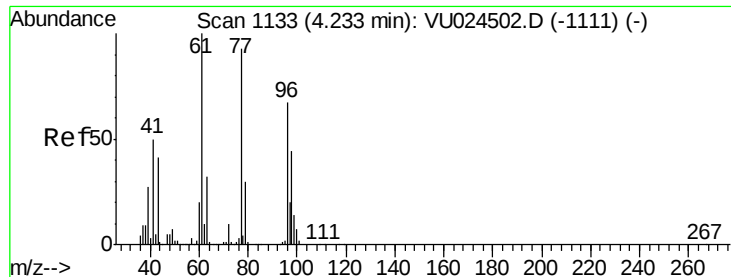
Tot Ion: 56 Resp: 118
Ion Ratio Lower Upper
56 100
55 125.4 58.4 87.6#



#16
Acetone
Concen: 0.52 ug/l
RT: 2.32 min Scan# 537
Delta R.T. -0.01 min
Lab File: VU024876.D
Acq: 25 Jun 2018 15:43

Tgt Ion: 43 Resp: 950
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#





#27

cis-1,2-Dichloroethene

Concen: 0.69 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024876.D

Acq: 25 Jun 2018 15:43

Instrument :
MSVOA_U
ClientSampleId :

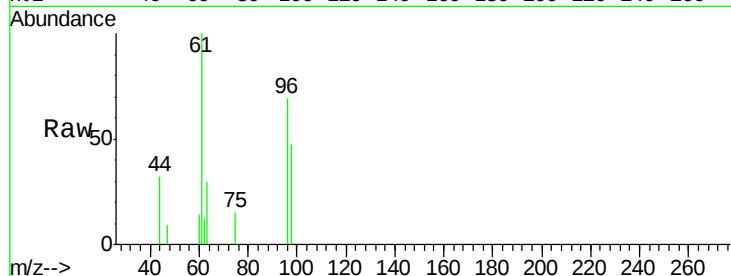
Tot Ion: 96 Resp: 2053

Ion Ratio Lower Upper

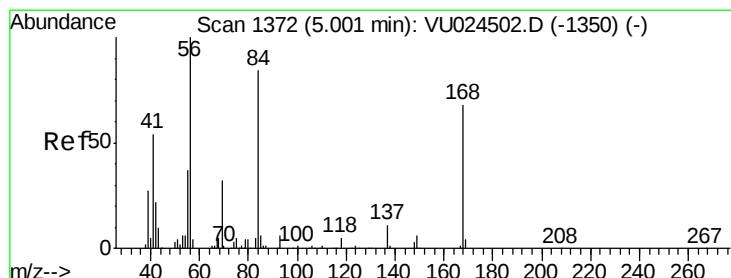
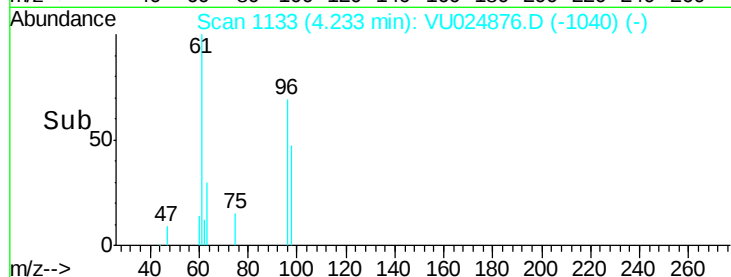
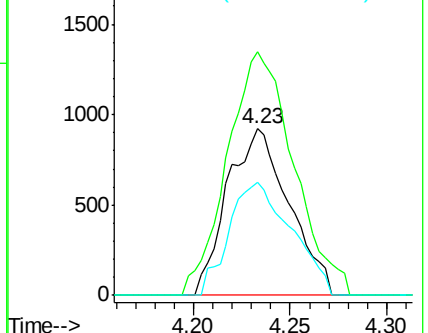
96 100

61 156.9 0.0 306.6

98 68.4 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



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU024876.D

Acq: 25 Jun 2018 15:43

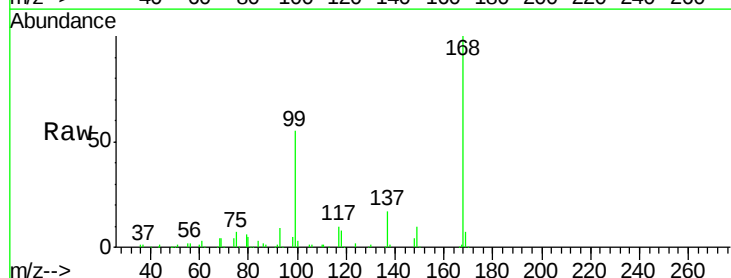
Tgt Ion: 56 Resp: 4210

Ion Ratio Lower Upper

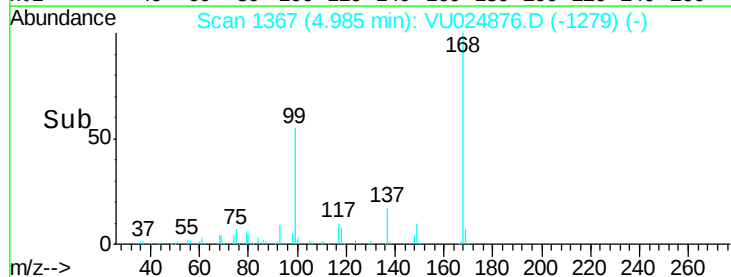
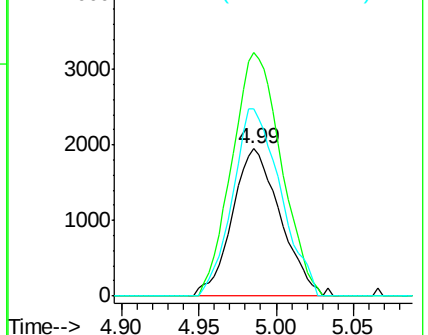
56 100

69 165.5 24.8 37.2#

84 127.3 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

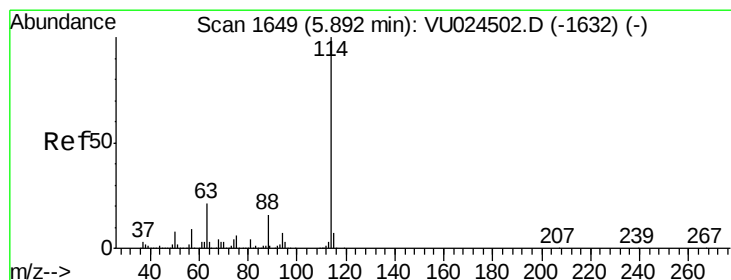
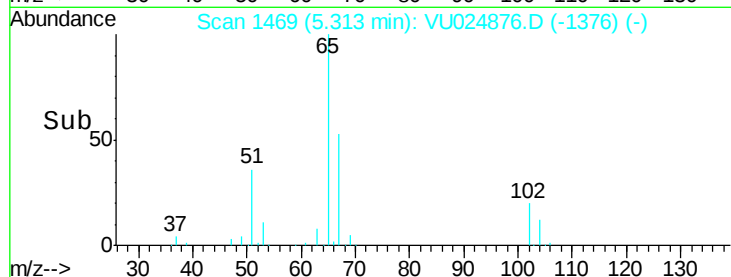
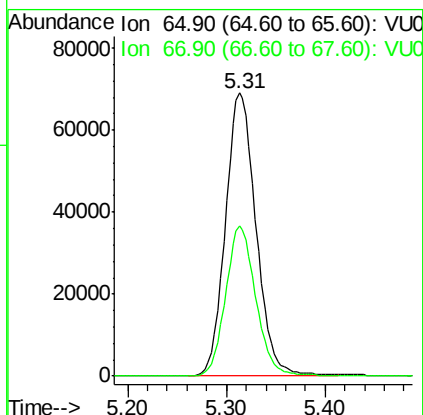
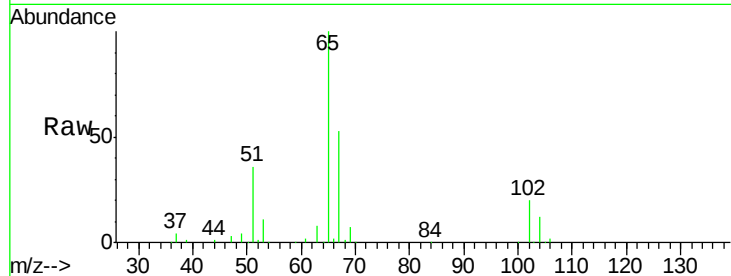




#33
 1,2-Dichloroethane-d4
 Concen: 44.26 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024876.D
 Acq: 25 Jun 2018 15:43

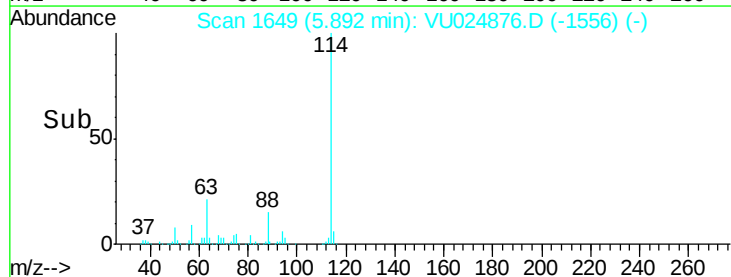
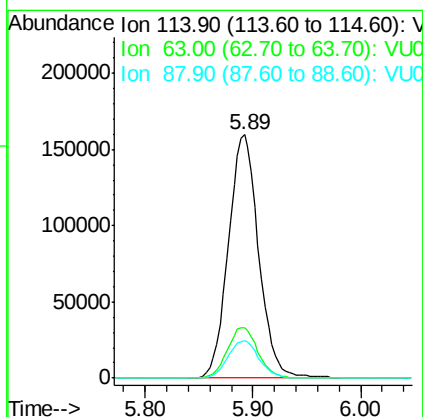
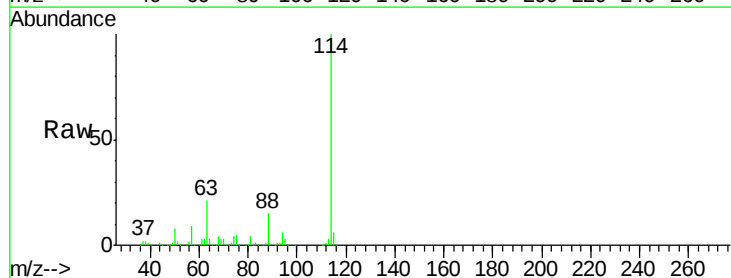
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 65 Resp: 149976
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024876.D
 Acq: 25 Jun 2018 15:43

Tgt Ion: 114 Resp: 312446
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 45.4
 88 15.3 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.76 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024876.D

Acq: 25 Jun 2018 15:43

Instrument :
MSVOA_U
ClientSampleId :

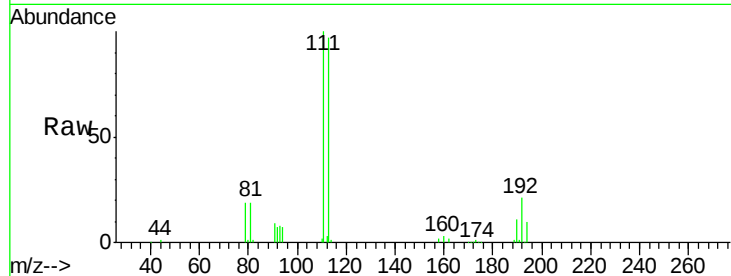
Tot Ion:113 Resp: 121240

Ion Ratio Lower Upper

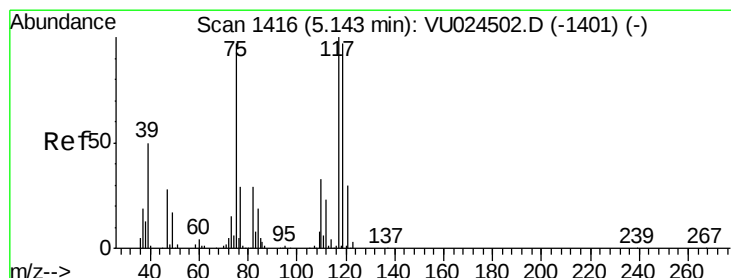
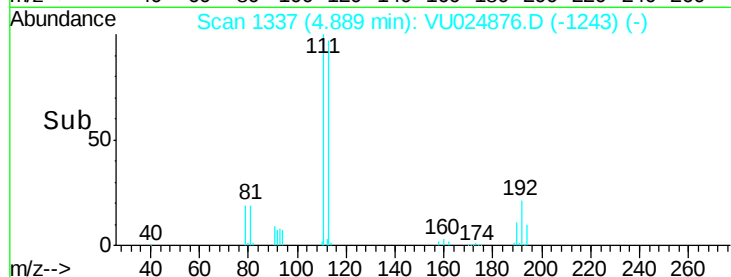
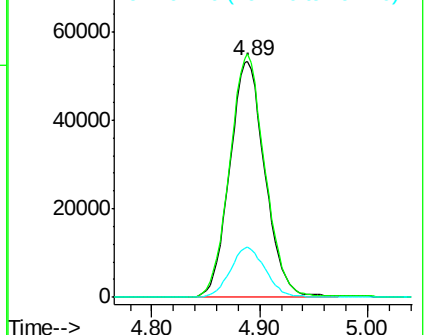
113 100

111 103.0 82.2 123.4

192 21.2 16.2 24.4



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.22 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024876.D

Acq: 25 Jun 2018 15:43

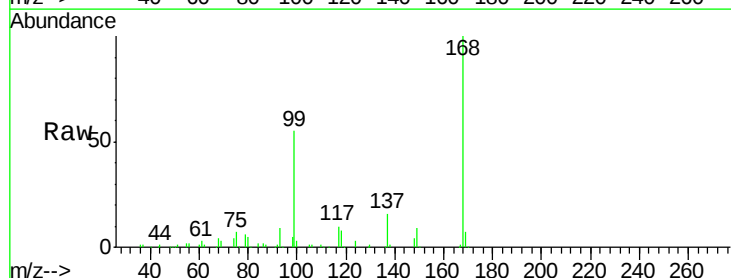
Tgt Ion: 75 Resp: 15485

Ion Ratio Lower Upper

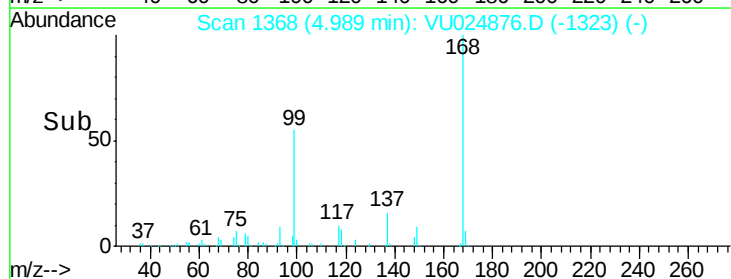
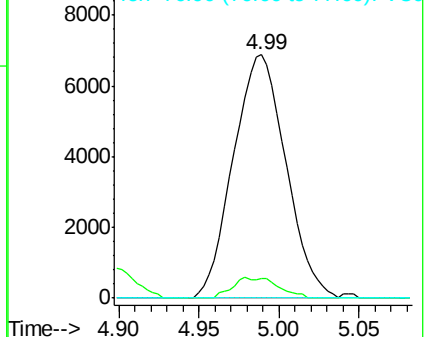
75 100

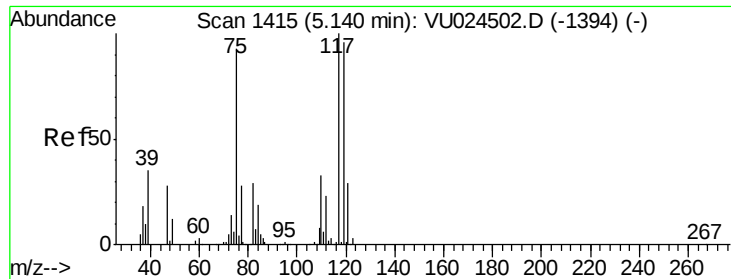
110 3.8 17.0 50.9#

77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0

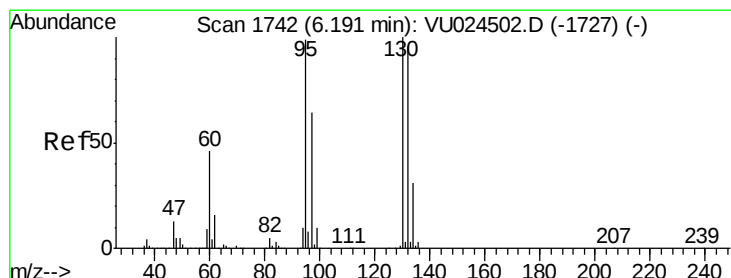
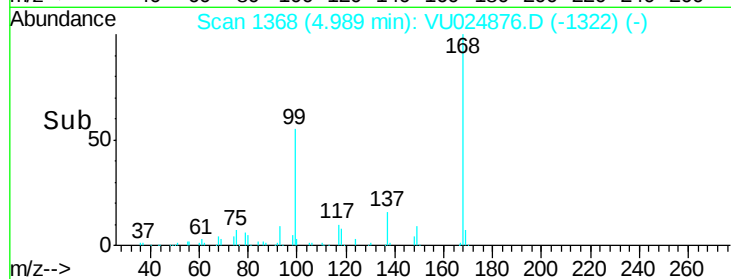
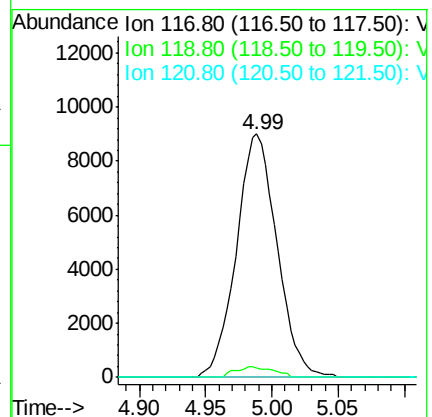
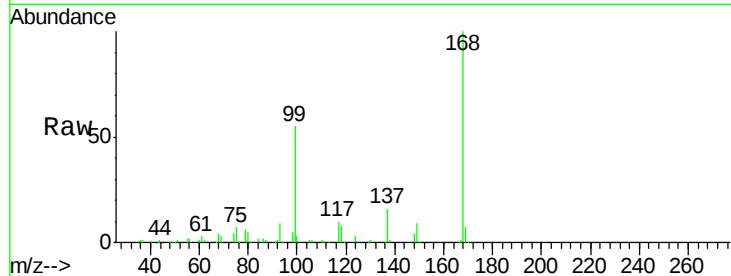




#38
Carbon Tetrachloride
Concen: 4.76 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.15 min
Lab File: VU024876.D
Acq: 25 Jun 2018 15:43

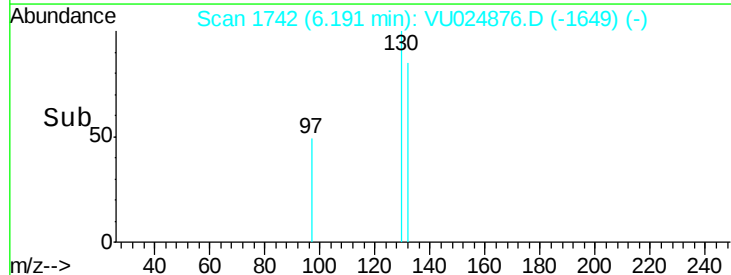
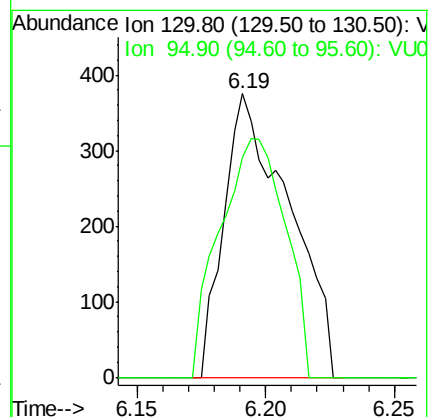
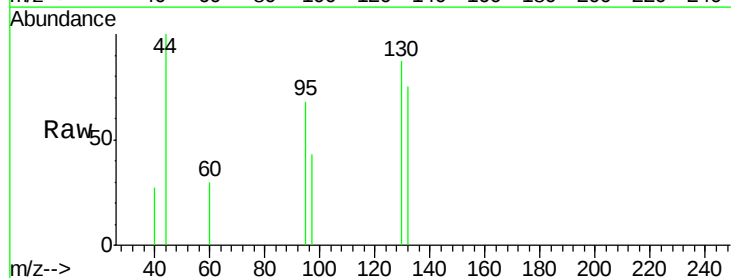
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 19212
Ion Ratio Lower Upper
117 100
119 3.6 76.1 114.1#
121 0.0 23.7 35.5#



#44
Trichloroethene
Concen: 0.22 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VU024876.D
Acq: 25 Jun 2018 15:43

Tgt Ion:130 Resp: 658
Ion Ratio Lower Upper
130 100
95 77.6 0.0 202.4

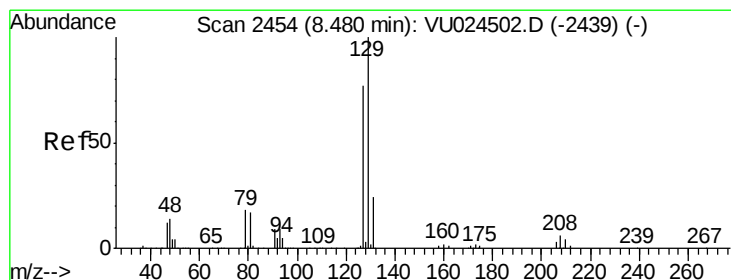
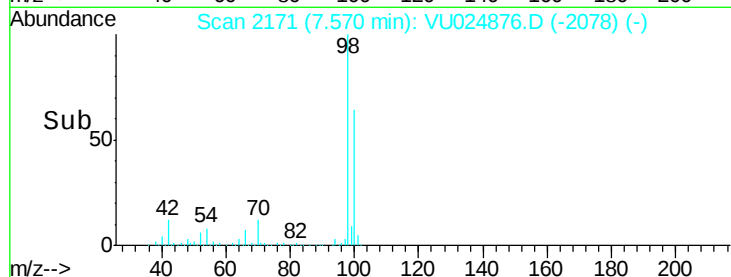
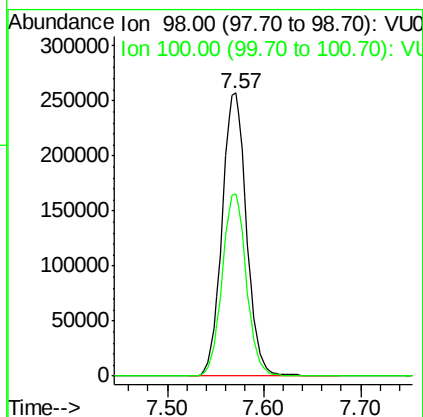
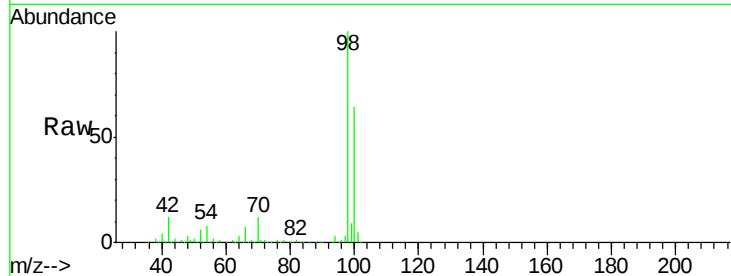




#50
Toluene-d8
Concen: 47.65 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024876.D
Acq: 25 Jun 2018 15:43

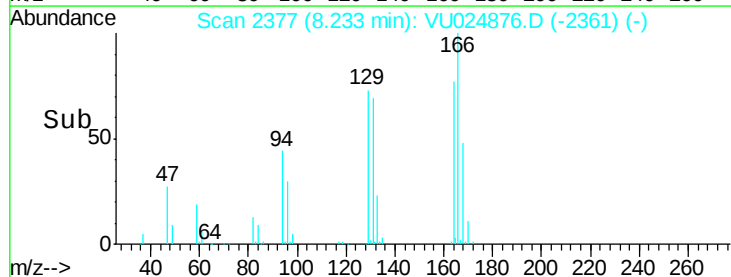
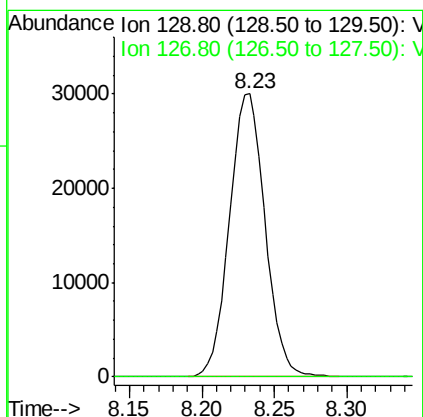
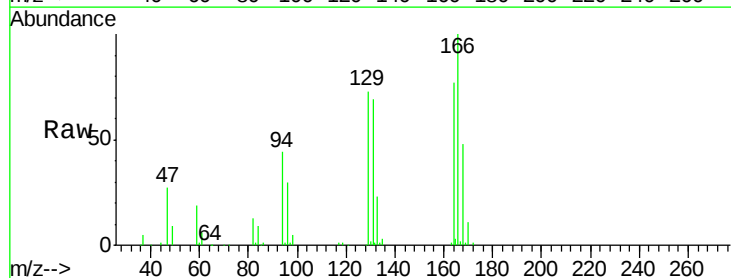
Instrument :
MSVOA_U
ClientSampleId :

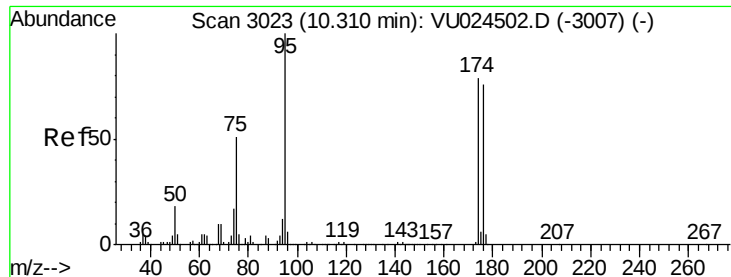
Tot Ion: 98 Resp: 450689
Ion Ratio Lower Upper
98 100
100 63.8 51.1 76.7



#60
Dibromochloromethane
Concen: 15.03 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. -0.25 min
Lab File: VU024876.D
Acq: 25 Jun 2018 15:43

Tgt Ion: 129 Resp: 51293
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

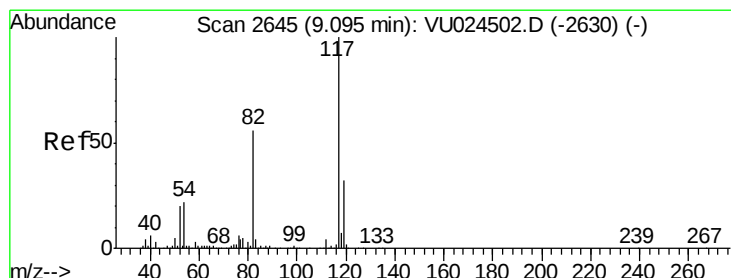
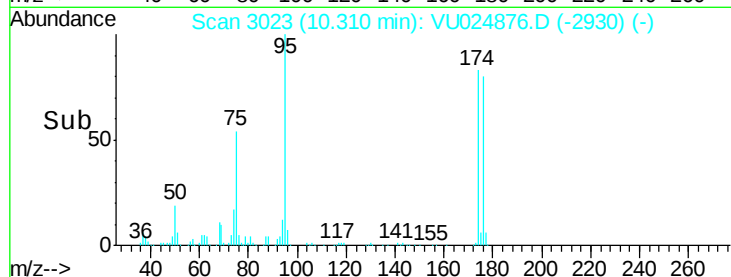
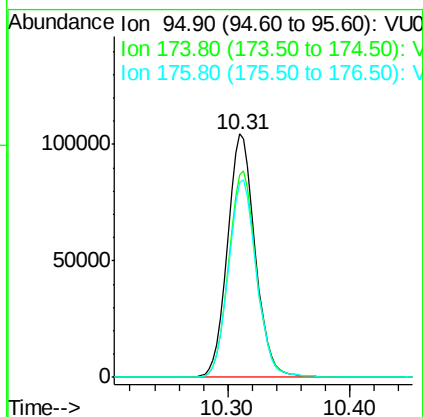
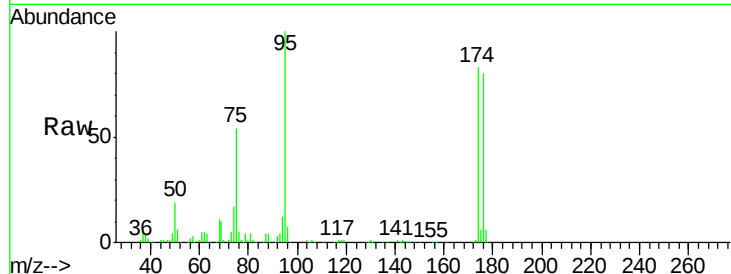




#62
4-Bromofluorobenzene
Concen: 44.28 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024876.D
Acq: 25 Jun 2018 15:43

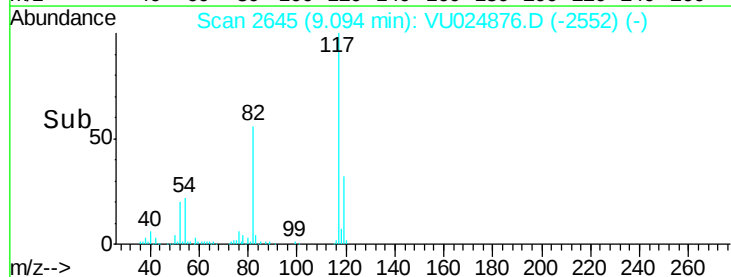
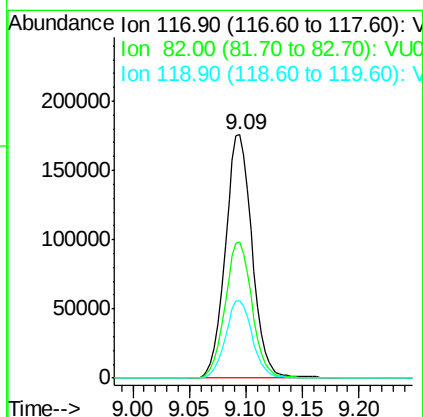
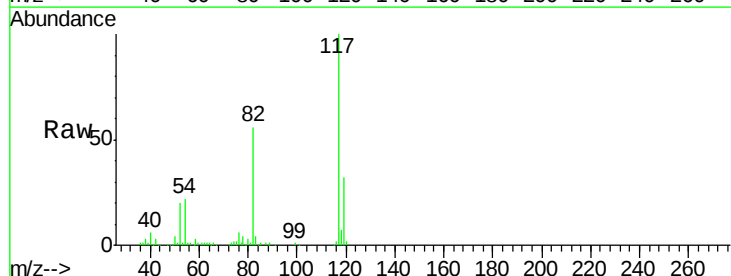
Instrument :
MSVOA_U
ClientSampled :

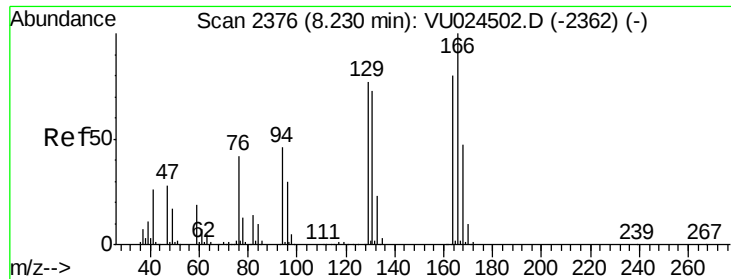
Tot Ion	Ratio	Lower	Upper
95	100		
174	85.3	0.0	165.8
176	82.6	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024876.D
Acq: 25 Jun 2018 15:43

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.3	66.5
119	31.9	25.4	38.2

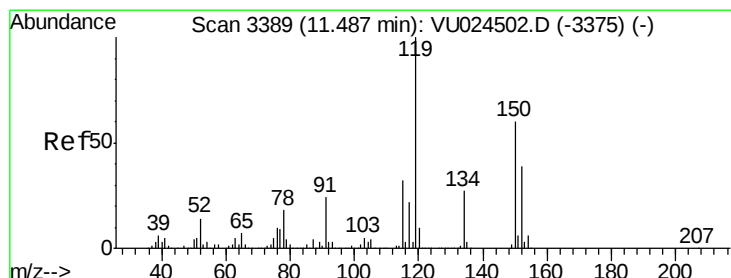
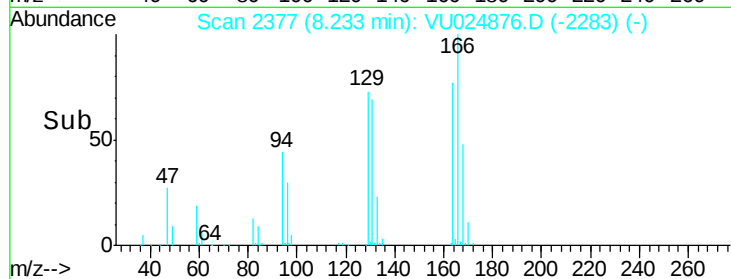
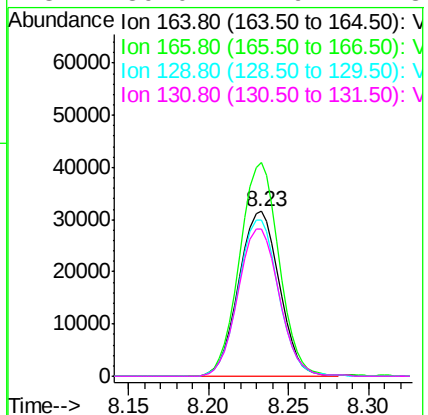
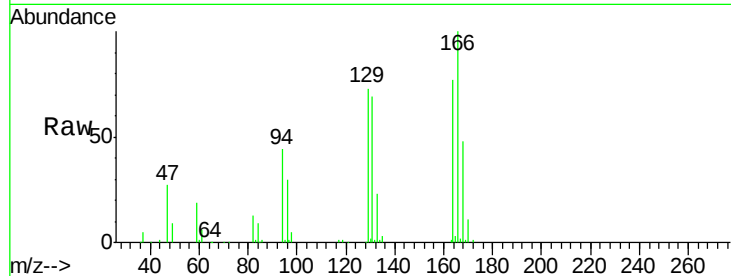




#64
Tetrachloroethene
Concen: 19.95 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU024876.D
Acq: 25 Jun 2018 15:43

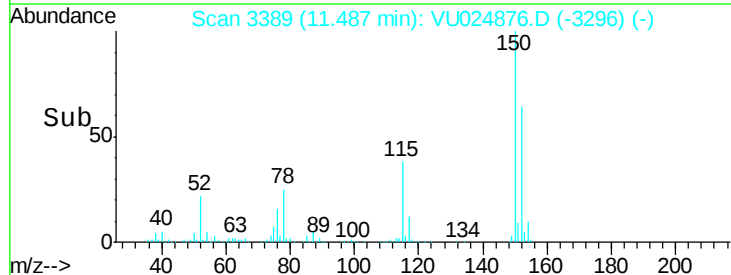
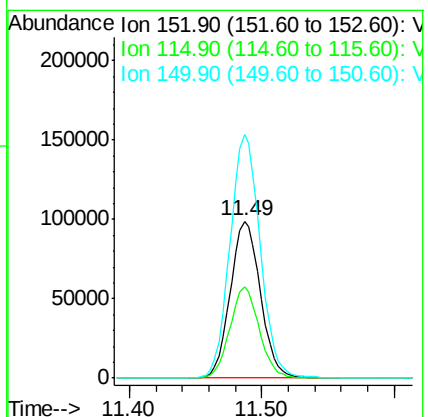
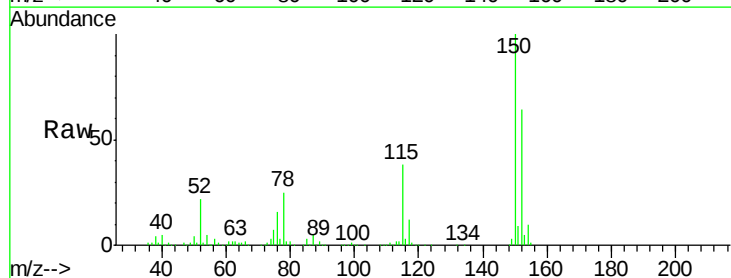
Instrument :
MSVOA_U
ClientSampleId :

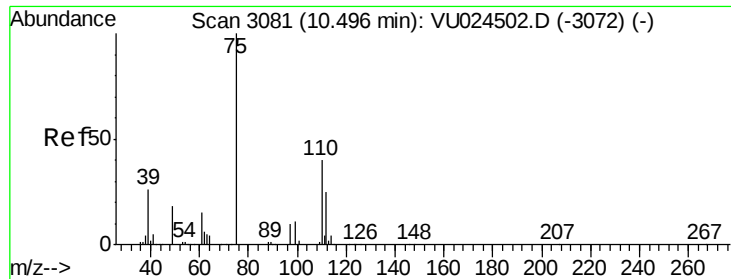
Tot Ion	Ratio	Lower	Upper
164	100		
166	129.6	101.7	152.5
129	95.0	76.9	115.3
131	89.0	74.9	112.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024876.D
Acq: 25 Jun 2018 15:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	43.0	129.0
150	155.4	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 25.63 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024876.D

Acq: 25 Jun 2018 15:43

Instrument :

MSVOA_U

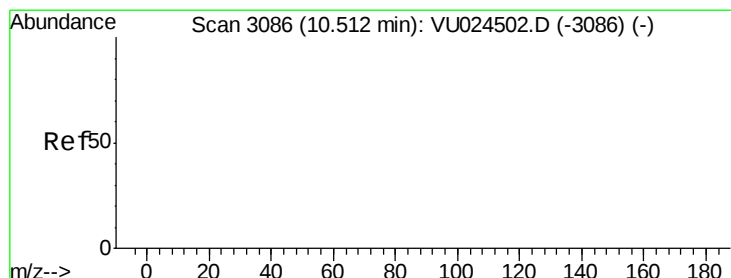
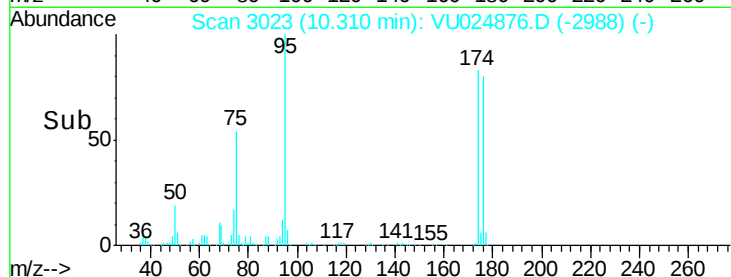
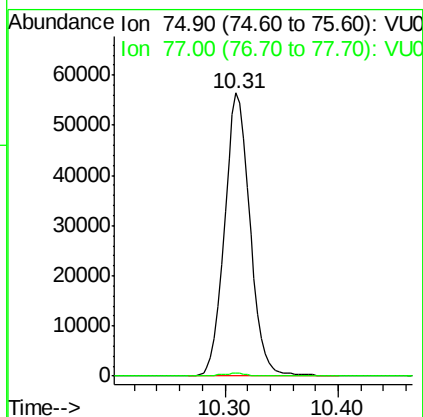
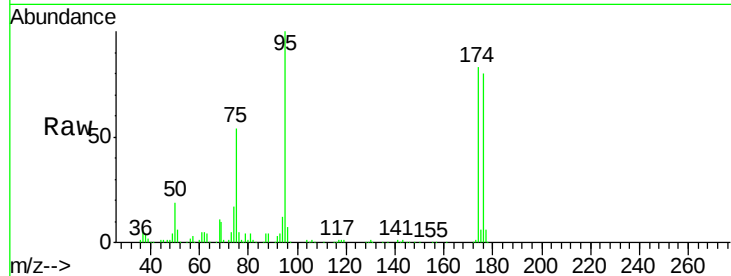
ClientSampled :

Tot Ion: 75 Resp: 88200

Ion Ratio Lower Upper

75 100

77 1.0 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.33 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024876.D

Acq: 25 Jun 2018 15:43

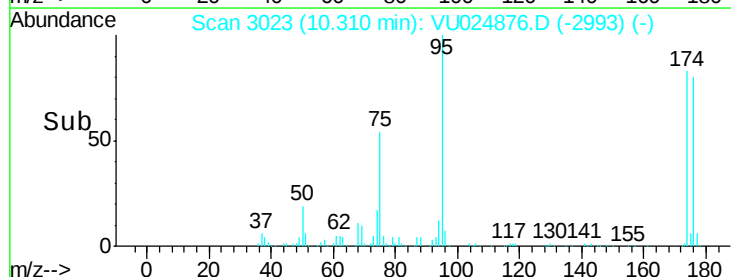
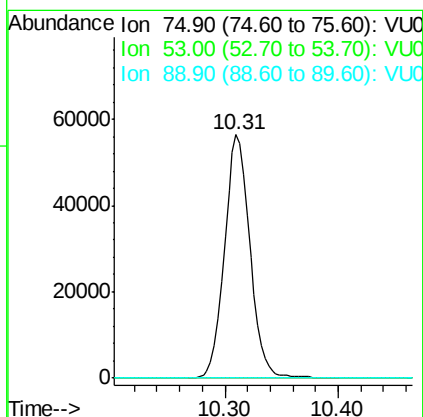
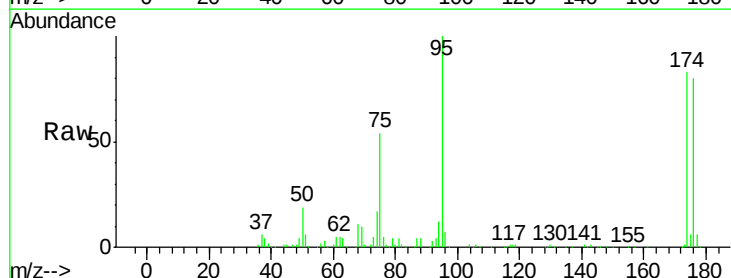
Tgt Ion: 75 Resp: 88200

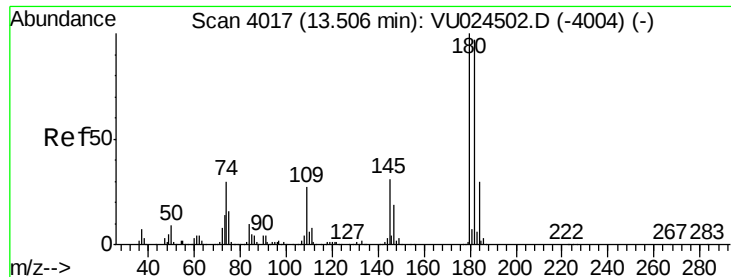
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

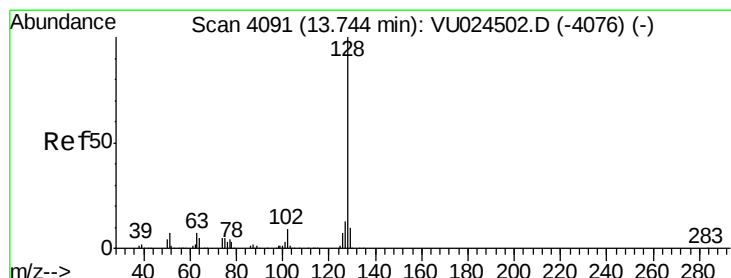
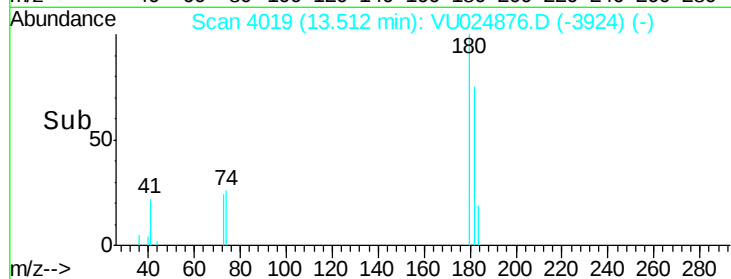
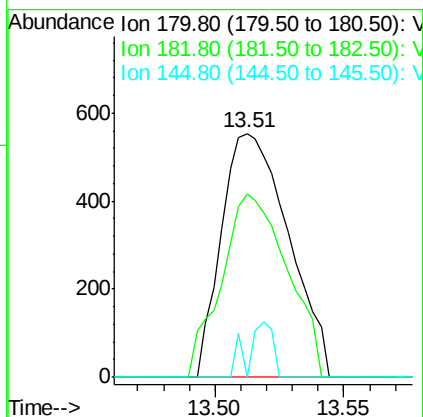
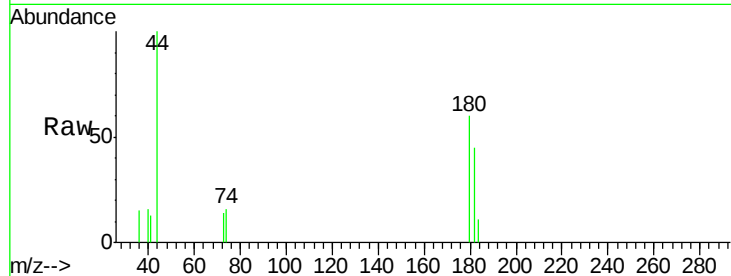




#93
 1,2,4-Trichlorobenzene
 Concen: 0.29 ug/l
 RT: 13.51 min Scan# 4019
 Delta R.T. 0.01 min
 Lab File: VU024876.D
 Acq: 25 Jun 2018 15:43

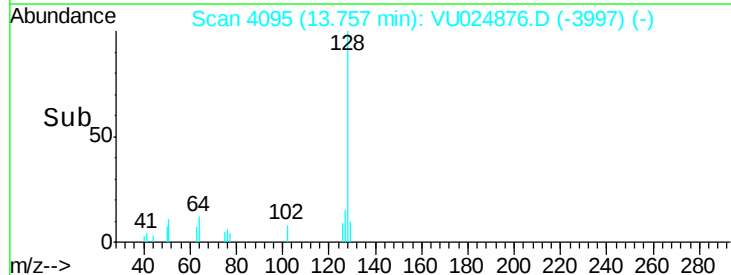
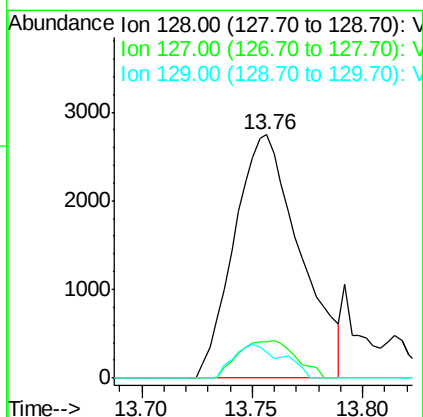
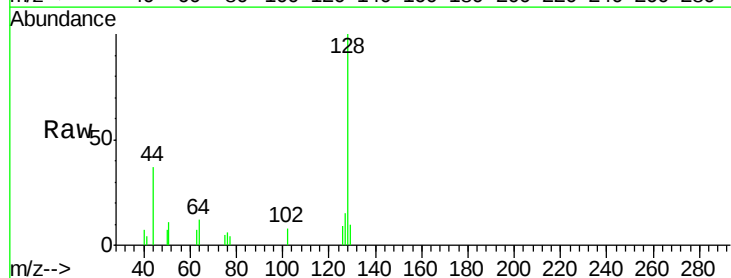
Instrument :
 MSVOA_U
 ClientSampleId :

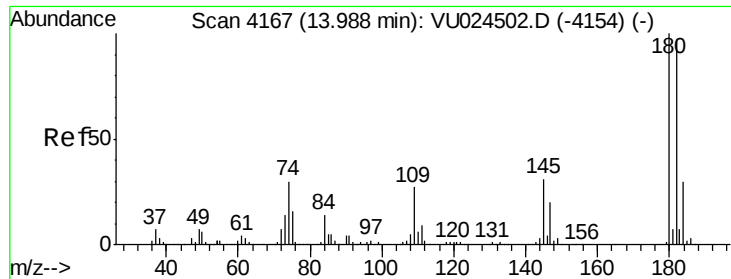
Tot Ion:180 Resp: 1000
 Ion Ratio Lower Upper
 180 100
 182 74.2 48.0 144.2
 145 8.4 14.7 44.1#



#95
 Naphthalene
 Concen: 1.17 ug/l
 RT: 13.76 min Scan# 4095
 Delta R.T. 0.01 min
 Lab File: VU024876.D
 Acq: 25 Jun 2018 15:43

Tgt Ion:128 Resp: 5665
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.6 16.0
 129 10.4 8.6 12.8





#96

1,2,3-Trichlorobenzene

Concen: 0.34 ug/l

RT: 14.00 min Scan# 4170

Delta R.T. 0.01 min

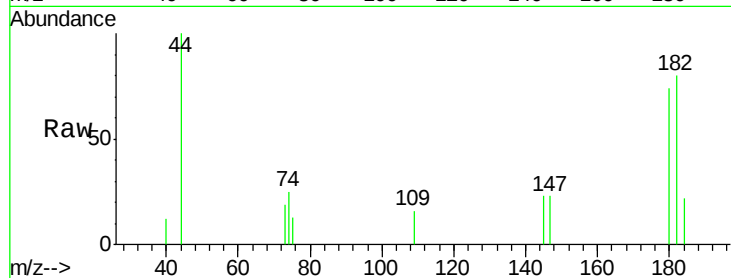
Lab File: VU024876.D

Acq: 25 Jun 2018 15:43

Instrument :

MSVOA_U

ClientSampleId :



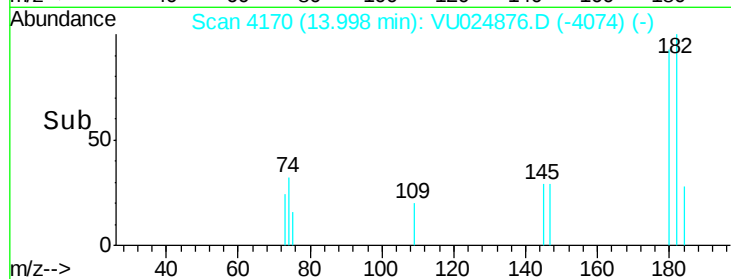
Tot Ion:180 Resp: 1173

Ion Ratio Lower Upper

180 100

182 93.2 47.9 143.7

145 24.1 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

