

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024880.D
 Acq On : 25 Jun 2018 17:20
 Operator : MD/SY
 Sample : J3605-01ME
 Misc : 6.02µ/5.0mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 26 05:16:13 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	210948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	320239	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	310784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	182349	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	156609	45.48	ug/l	0.00
Spiked Amount			Recovery	=	90.96%	
35) Dibromofluoromethane	4.89	113	123764	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	
50) Toluene-d8	7.57	98	469054	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	10.32	95	196251	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	

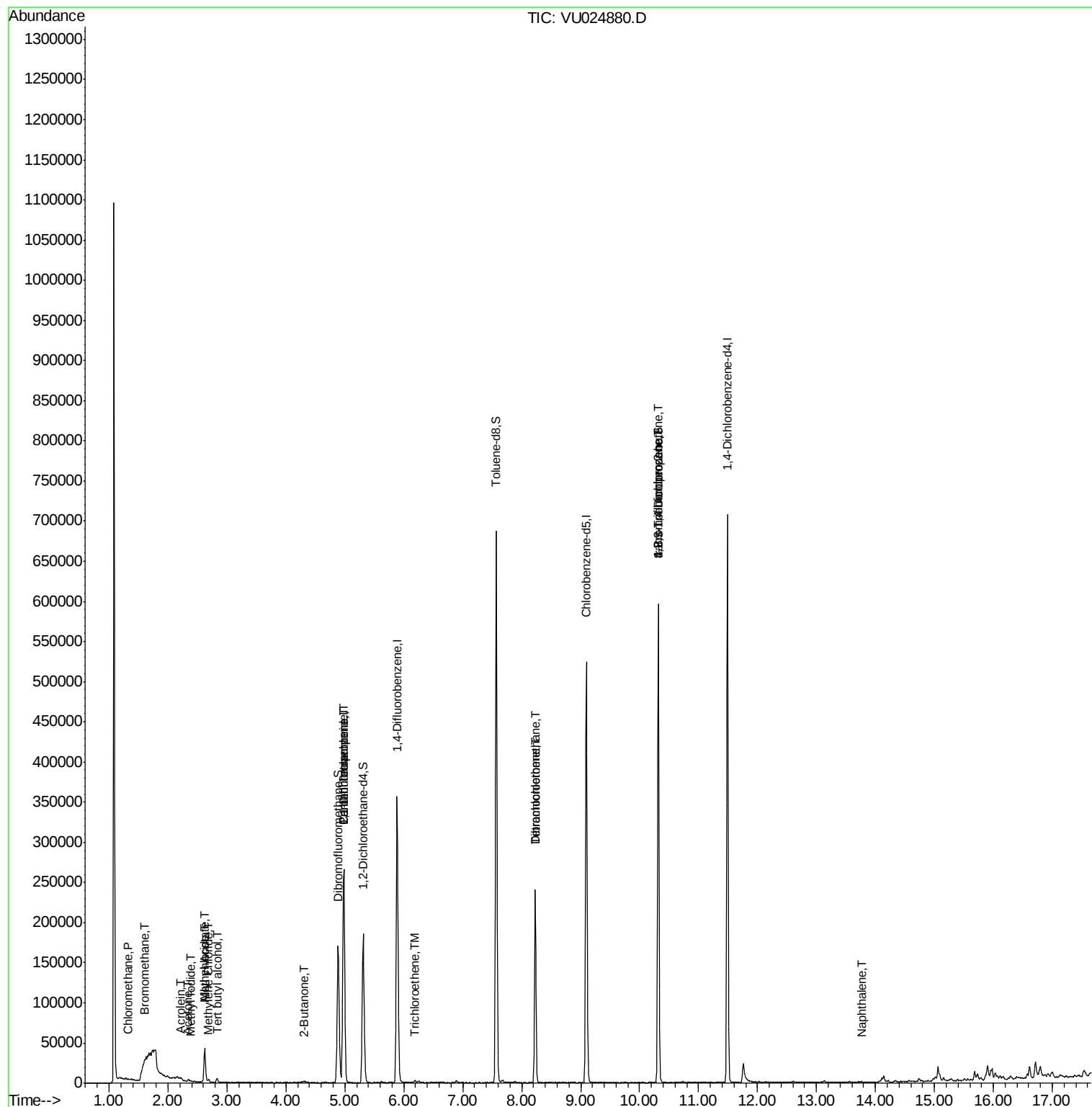
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	985	0.37	ug/l	# 87
5) Bromomethane	1.61	94	976	0.73	ug/l	# 83
6) Chloroethane	1.66	64	208	Below Cal	#	50
8) Diethyl Ether	2.10	74	98	Below Cal	#	1
10) Methyl Iodide	2.39	142	474	5.48	ug/l	# 44
11) Tert butyl alcohol	2.84	59	2377	2.84	ug/l	# 89
13) Acrolein	2.21	56	319	0.73	ug/l	# 13
14) Allyl chloride	2.62	41	920	0.21	ug/l	# 22
16) Acetone	2.34	43	3759	2.03	ug/l	# 78
18) Methyl Acetate	2.62	43	54338	13.70	ug/l	# 96
20) Methylene Chloride	2.69	84	1607	0.55	ug/l	# 77
25) 2-Butanone	4.30	43	3301	1.33	ug/l	# 90
31) Cyclohexane	4.98	56	4252	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	14988	3.98	ug/l	# 51
38) Carbon Tetrachloride	4.98	117	19610	4.74	ug/l	# 16
44) Trichloroethene	6.19	130	1375	0.45	ug/l	# 90
60) Dibromochloromethane	8.23	129	50832	14.54	ug/l	# 11
64) Tetrachloroethene	8.23	164	53952	18.26	ug/l	# 96
76) 1,2,3-Trichloropropane	10.32	75	101036	25.17	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	10.32	75	101036	58.25	ug/l	# 100
95) Naphthalene	13.76	128	494	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 : VU024880.D
Acq On : 25 Jun 2018 17:20
Operator : MD/SY
Sample : J3605-01ME
Misc : 6.02a/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jun 26 05:16:13 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: VU024880.D

Acq: 25 Jun 2018 17:20

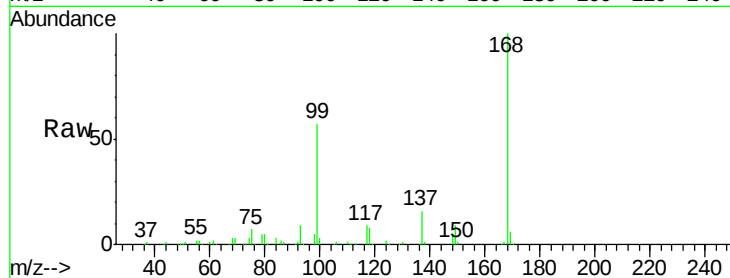
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 210948

Ion Ratio Lower Upper

168 100

99 56.5 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024880.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024880.D (-1275) (-)

4.98

100000

80000

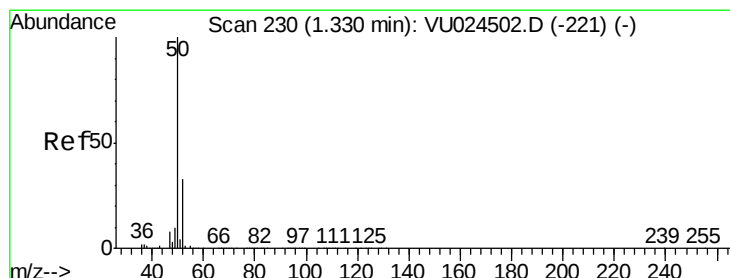
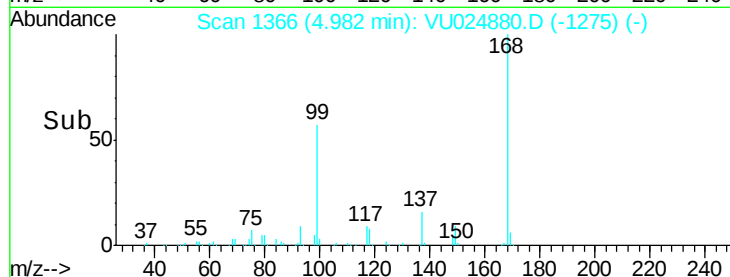
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.37 ug/l

RT: 1.32 min Scan# 227

Delta R.T. -0.01 min

Lab File: VU024880.D

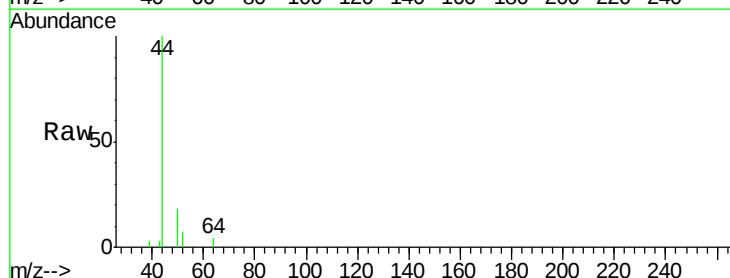
Acq: 25 Jun 2018 17:20

Tgt Ion: 50 Resp: 985

Ion Ratio Lower Upper

50 100

52 40.5 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU024880.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU024880.D (-137) (-)

1.32

800

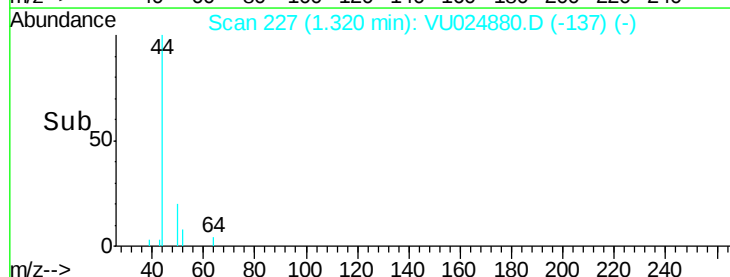
600

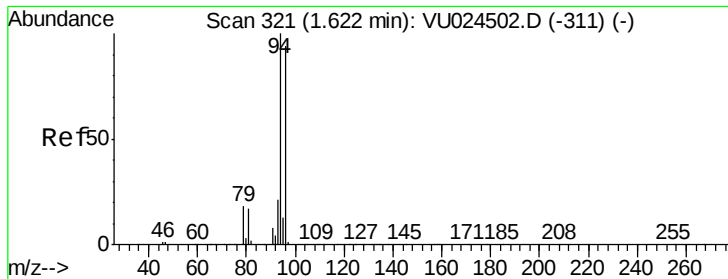
400

200

0

Time-->





#5

Bromomethane

Concen: 0.73 ug/l

RT: 1.61 min Scan# 316

Delta R.T. -0.02 min

Lab File: VU024880.D

Acq: 25 Jun 2018 17:20

Instrument :

MSVOA_U

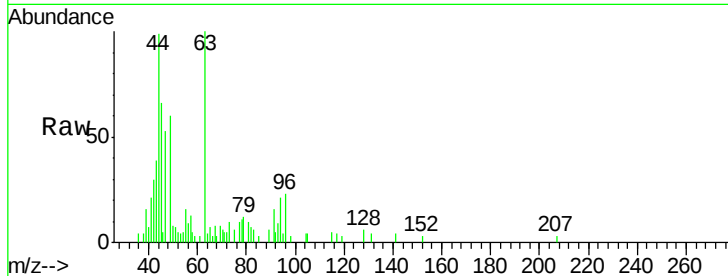
ClientSampled :

Tot Ion: 94 Resp: 976

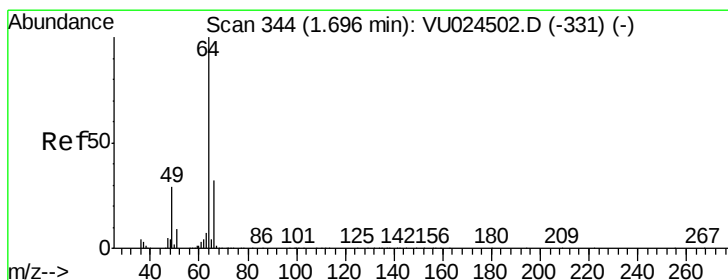
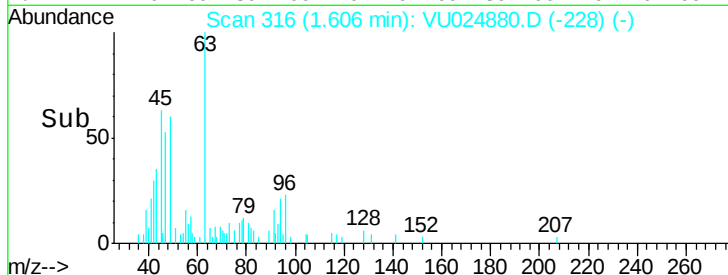
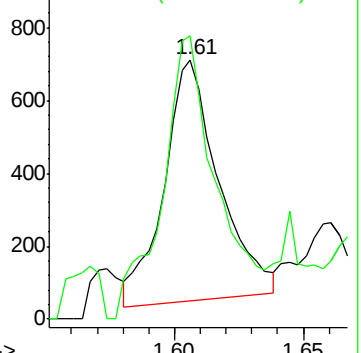
Ion Ratio Lower Upper

94 100

96 109.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU024880.D (-228) (-)



#6

Chloroethane

Concen: Below Cal

RT: 1.66 min Scan# 334

Delta R.T. -0.03 min

Lab File: VU024880.D

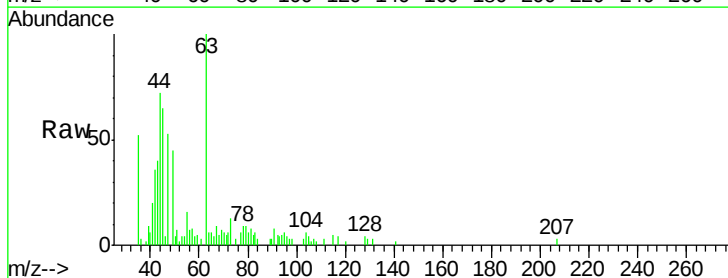
Acq: 25 Jun 2018 17:20

Tgt Ion: 64 Resp: 208

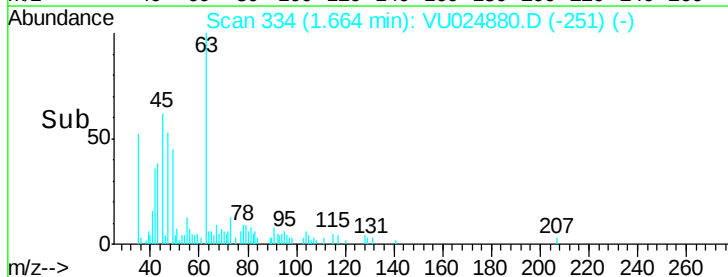
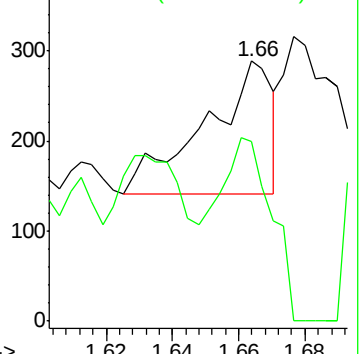
Ion Ratio Lower Upper

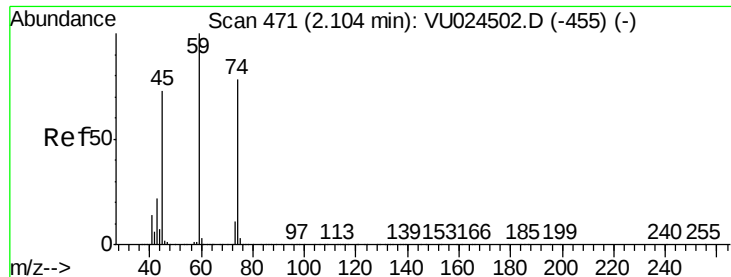
64 100

66 59.5 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU024880.D (-251) (-)





#8

Diethyl Ether

Concen: Below Cal

RT: 2.10 min Scan# 470

Delta R.T. -0.00 min

Lab File: VU024880.D

Acq: 25 Jun 2018 17:20

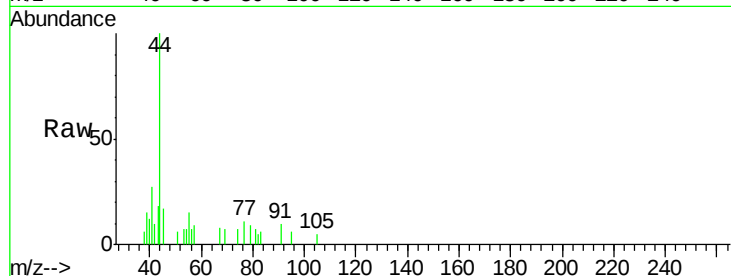
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 74 Resp: 98

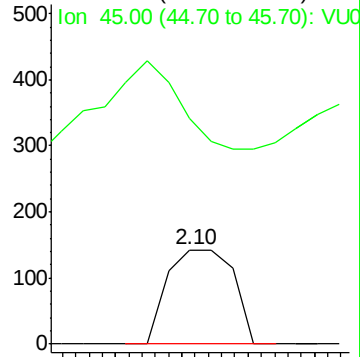
Ion Ratio Lower Upper

74 100

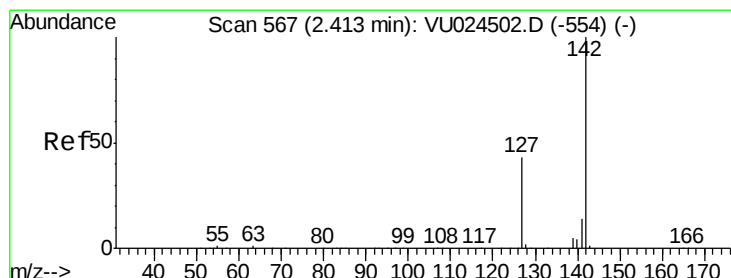
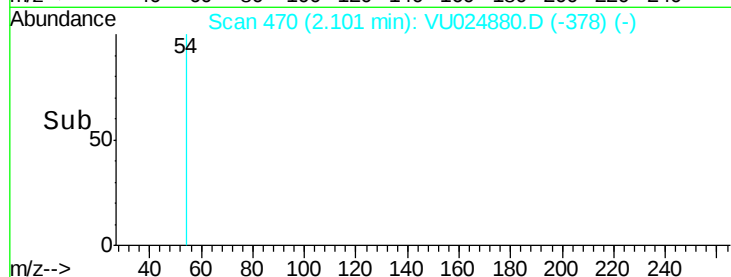
45 504.1 55.0 165.0#



Abundance Ion 74.00 (73.70 to 74.70): VU024880.D (-378) (-)



Time-->



#10

Methyl Iodide

Concen: 5.48 ug/l

RT: 2.39 min Scan# 561

Delta R.T. -0.02 min

Lab File: VU024880.D

Acq: 25 Jun 2018 17:20

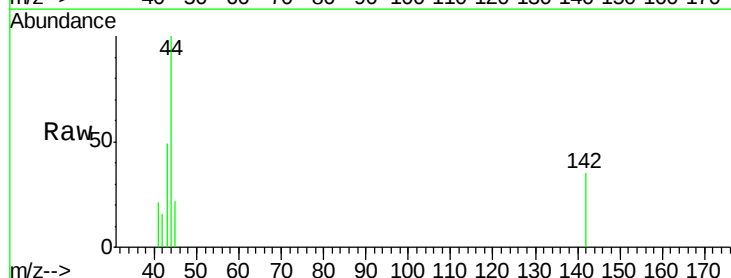
Tgt Ion: 142 Resp: 474

Ion Ratio Lower Upper

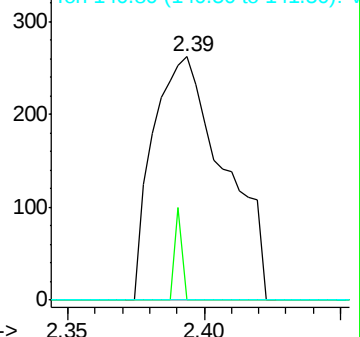
142 100

127 4.0 35.6 53.4#

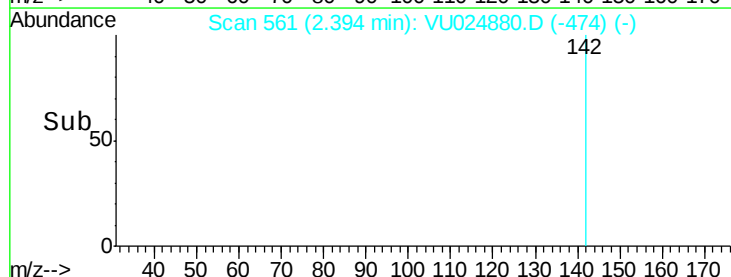
141 0.0 11.7 17.5#

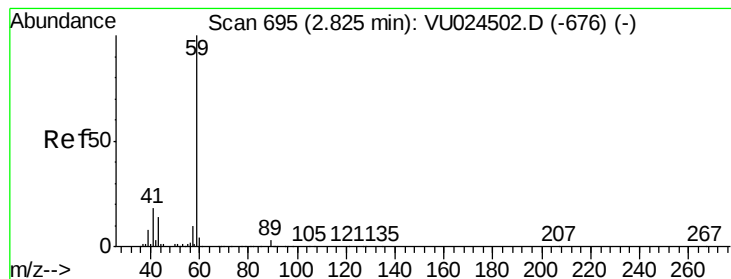


Abundance Ion 141.80 (141.50 to 142.50): VU024880.D (-474) (-)



Time-->



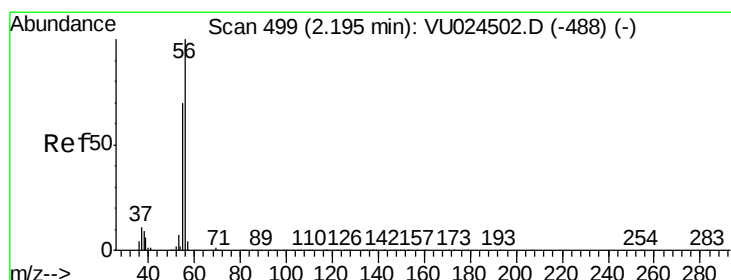
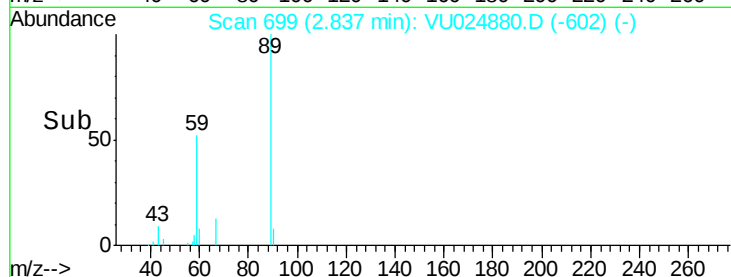
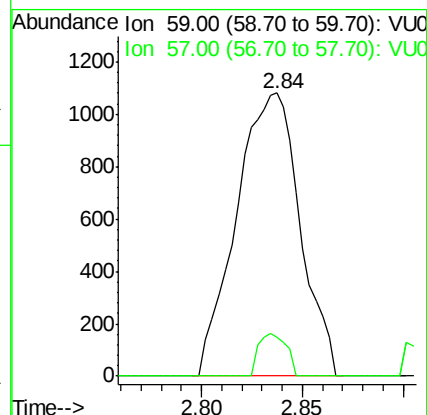
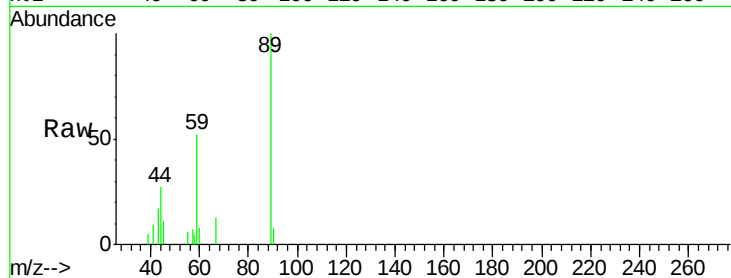


#11

Tert butyl alcohol
 Concen: 2.84 ug/l
 RT: 2.84 min Scan# 699
 Delta R.T. 0.01 min
 Lab File: VU024880.D
 Acq: 25 Jun 2018 17:20

Instrument :
 MSVOA_U
 ClientSampled :

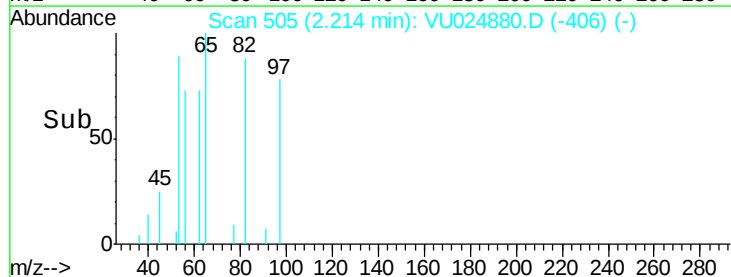
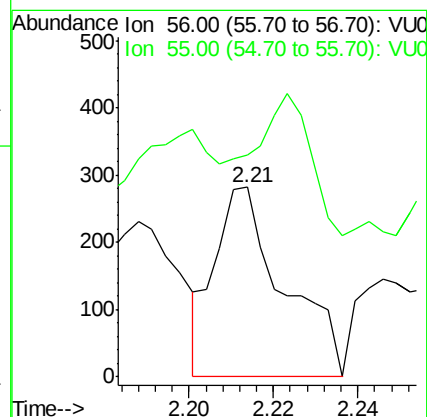
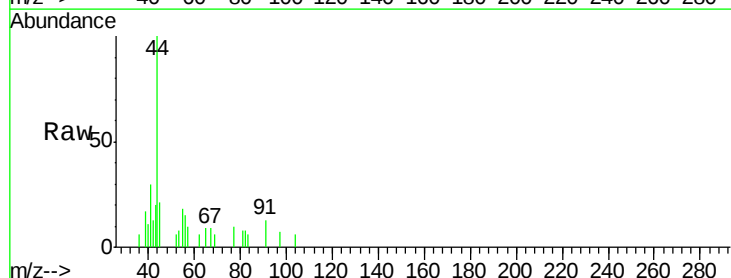
Tot Ion: 59 Resp: 2377
 Ion Ratio Lower Upper
 59 100
 57 6.6 8.5 12.7#

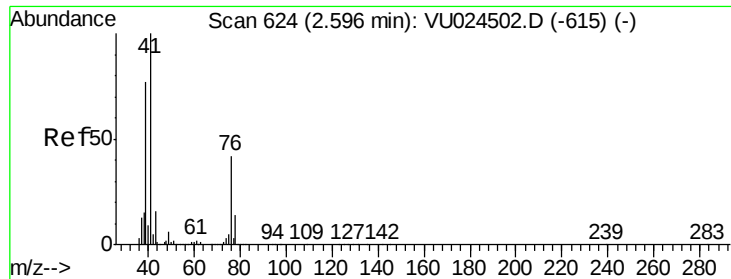


#13

Acrolein
 Concen: 0.73 ug/l
 RT: 2.21 min Scan# 505
 Delta R.T. 0.02 min
 Lab File: VU024880.D
 Acq: 25 Jun 2018 17:20

Tgt Ion: 56 Resp: 319
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.4 87.6#

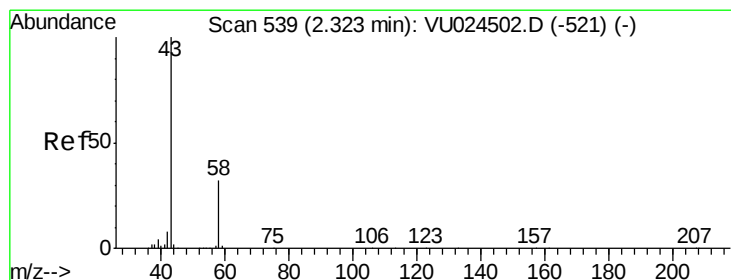
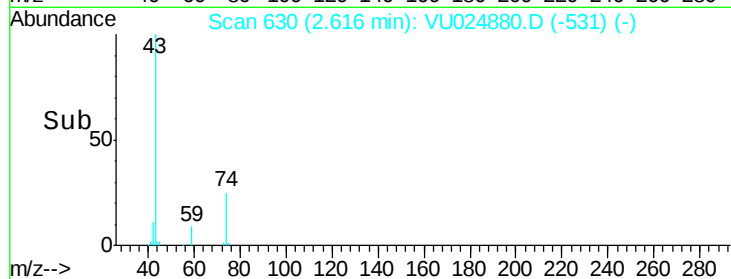
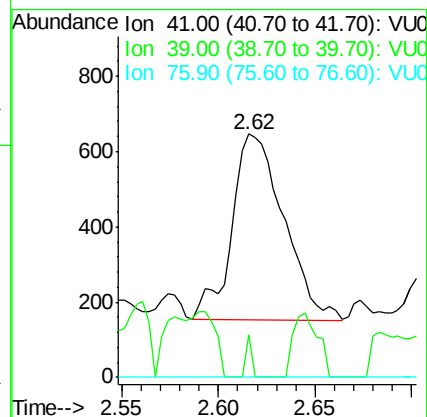
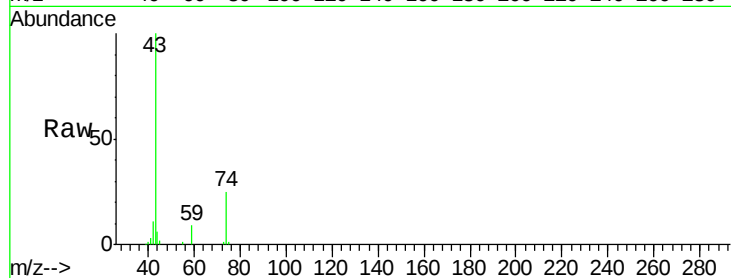




#14
Allvl chloride
Concen: 0.21 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.02 min
Lab File: VU024880.D
Acq: 25 Jun 2018 17:20

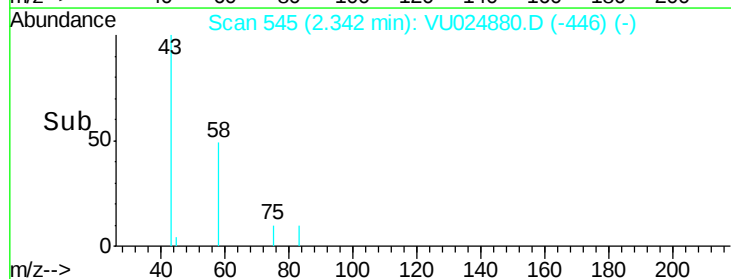
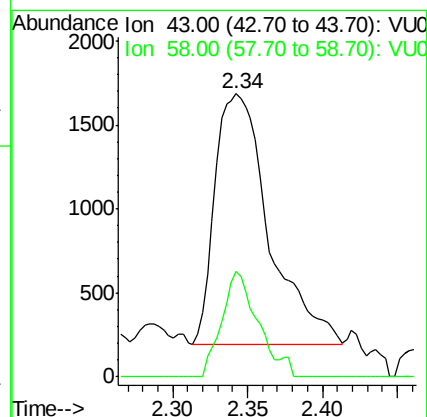
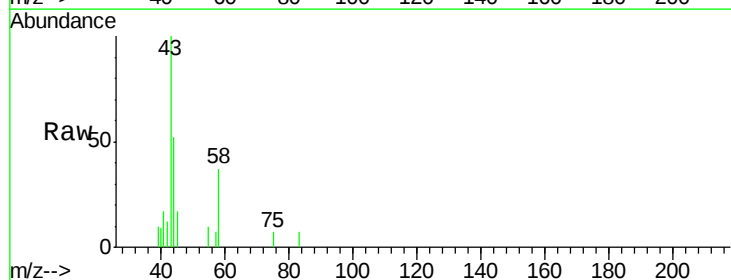
Instrument :
MSVOA_U
ClientSampleId :

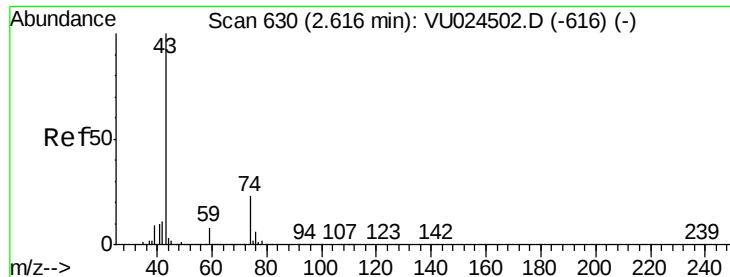
Tot Ion: 41 Resp: 920
Ion Ratio Lower Upper
41 100
39 2.4 61.6 92.4#
76 0.0 29.7 44.5#



#16
Acetone
Concen: 2.03 ug/l
RT: 2.34 min Scan# 545
Delta R.T. 0.02 min
Lab File: VU024880.D
Acq: 25 Jun 2018 17:20

Tgt Ion: 43 Resp: 3759
Ion Ratio Lower Upper
43 100
58 42.3 24.4 36.6#

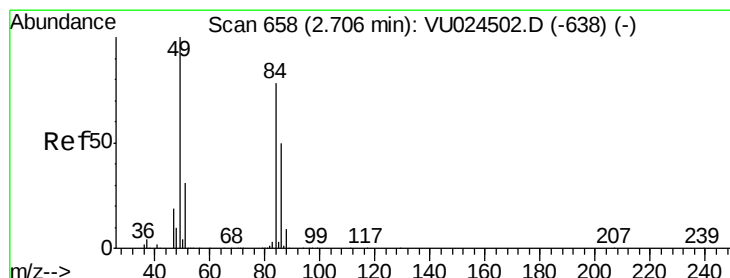
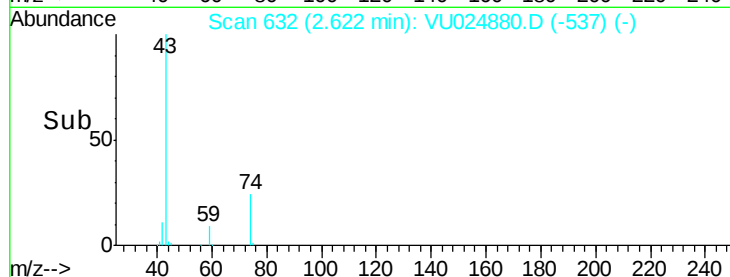
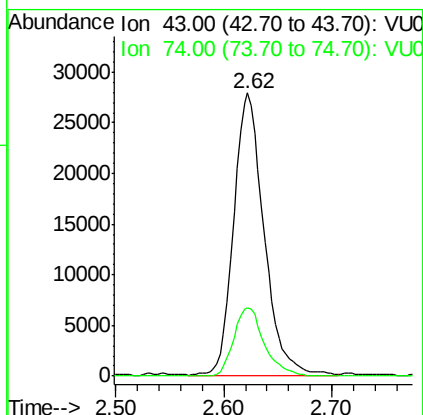
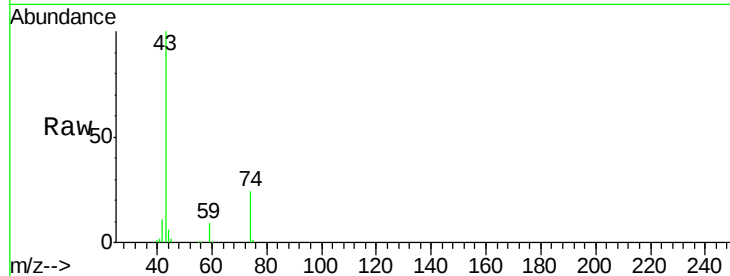




#18
Methyl Acetate
Concen: 13.70 ug/l
RT: 2.62 min Scan# 632
Delta R.T. 0.01 min
Lab File: VU024880.D
Acq: 25 Jun 2018 17:20

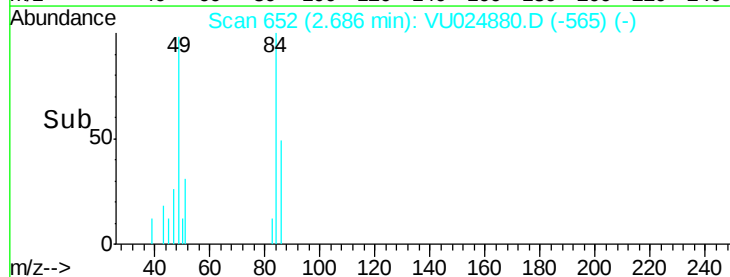
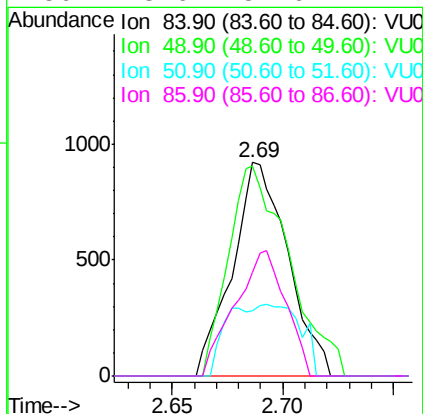
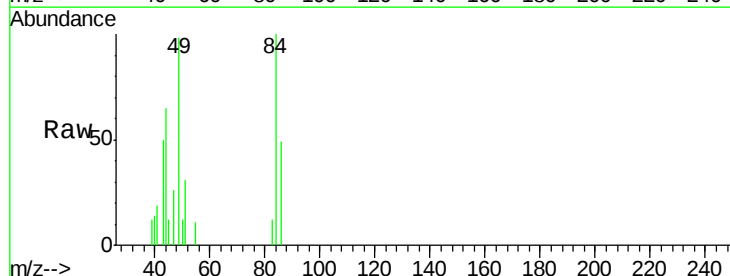
Instrument :
MSVOA_U
ClientSampled :

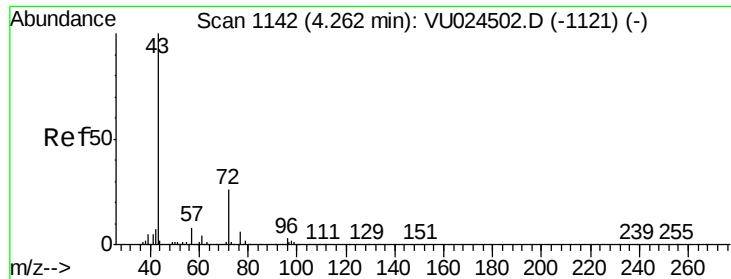
Tot Ion: 43 Resp: 54338
Ion Ratio Lower Upper
43 100
74 24.5 18.0 27.0



#20
Methylene Chloride
Concen: 0.55 ug/l
RT: 2.69 min Scan# 652
Delta R.T. -0.02 min
Lab File: VU024880.D
Acq: 25 Jun 2018 17:20

Tgt Ion: 84 Resp: 1607
Ion Ratio Lower Upper
84 100
49 98.4 103.8 155.8#
51 30.7 32.0 48.0#
86 48.6 51.6 77.4#

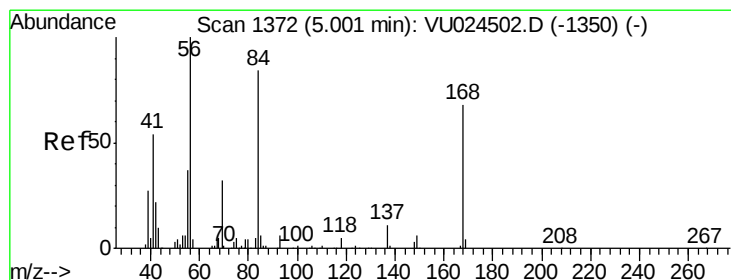
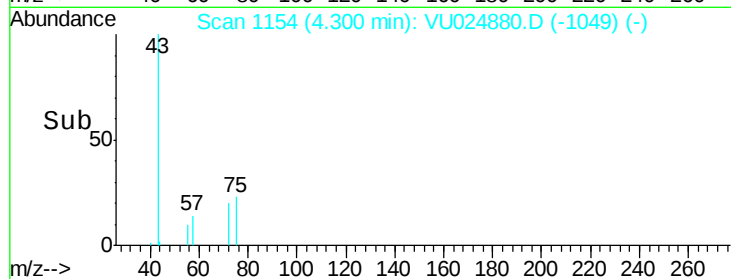
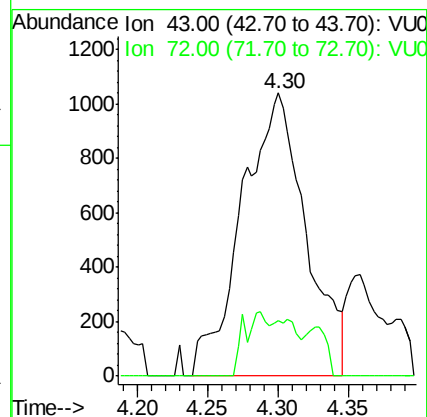
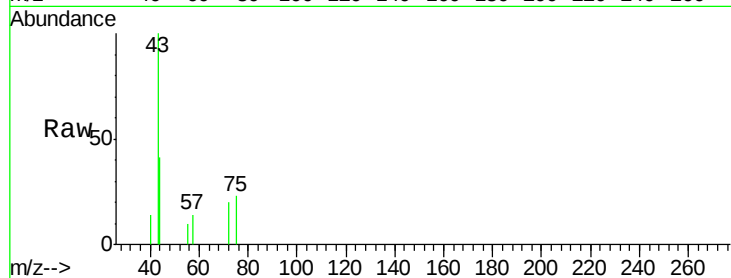




#25
2-Butanone
Concen: 1.33 ug/l
RT: 4.30 min Scan# 1154
Delta R.T. 0.04 min
Lab File: VU024880.D
Acq: 25 Jun 2018 17:20

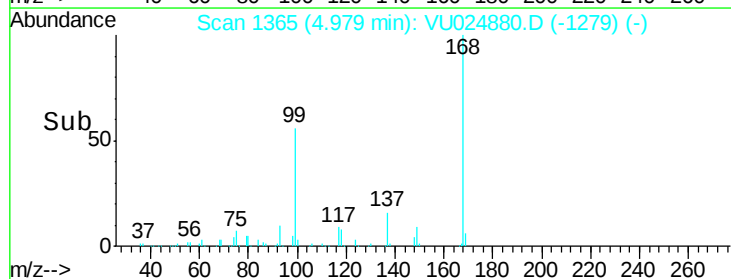
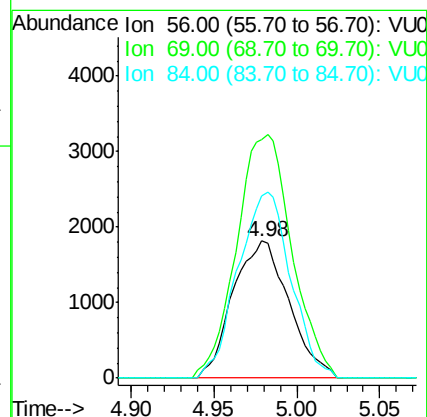
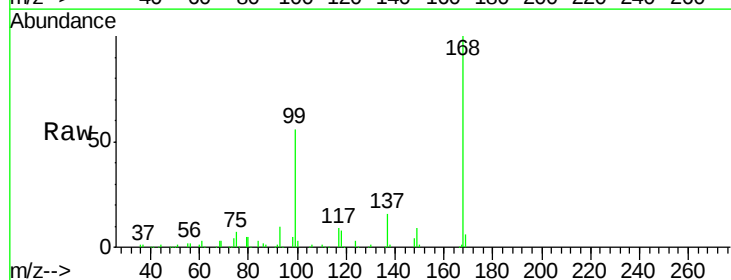
Instrument :
MSVOA_U
ClientSampleId :

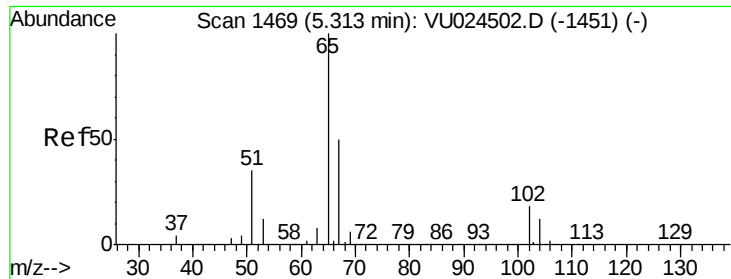
Tot Ion: 43 Resp: 3301
Ion Ratio Lower Upper
43 100
72 19.5 19.6 29.4#



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VU024880.D
Acq: 25 Jun 2018 17:20

Tgt Ion: 56 Resp: 4252
Ion Ratio Lower Upper
56 100
69 174.4 24.8 37.2#
84 132.6 65.2 97.8#

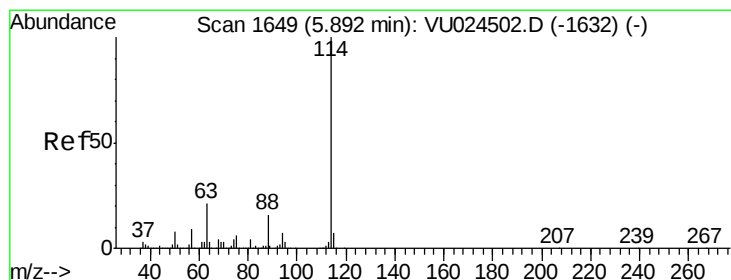
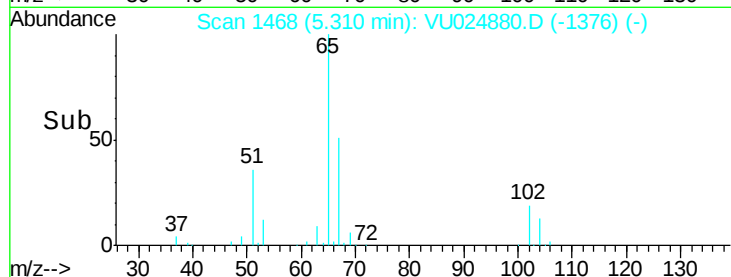
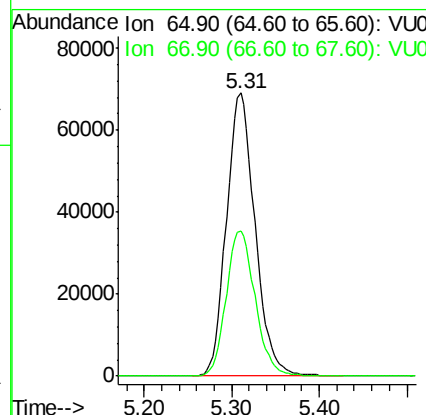
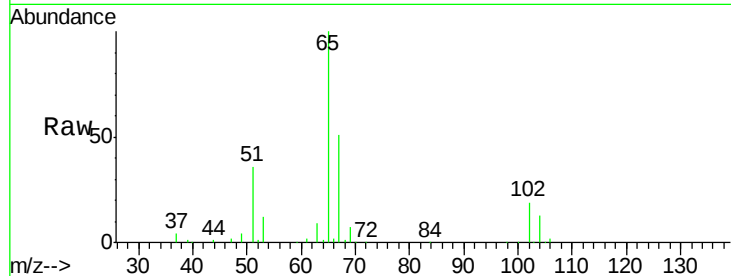




#33
 1,2-Dichloroethane-d4
 Concen: 45.48 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU024880.D
 Acq: 25 Jun 2018 17:20

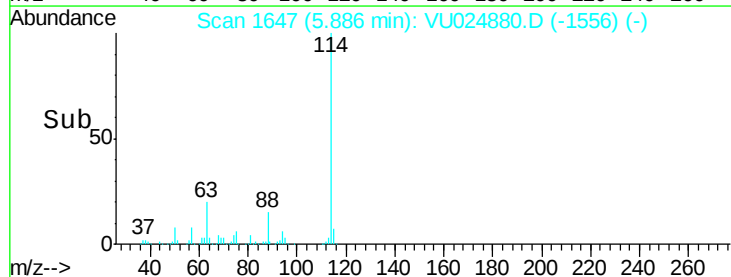
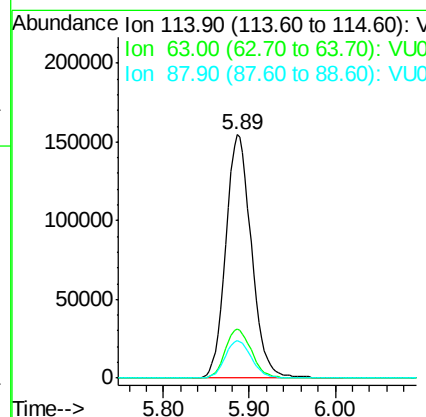
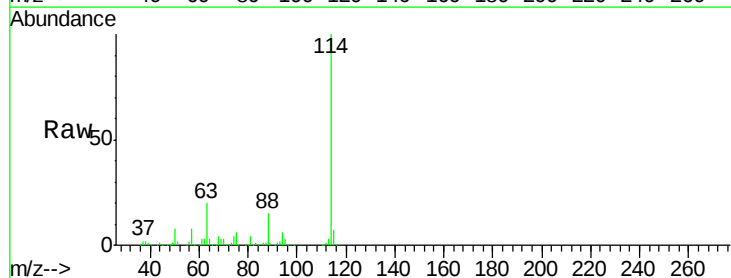
Instrument :
 MSVOA_U
 ClientSampleId :

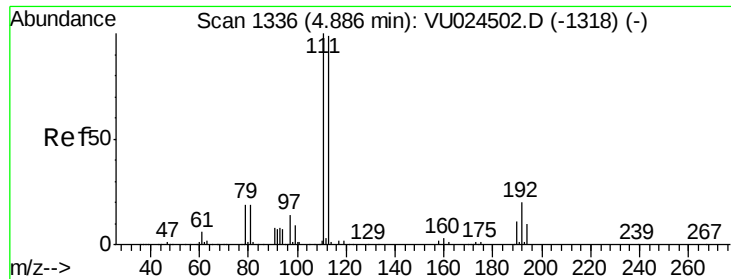
Tot Ion: 65 Resp: 156609
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1647
 Delta R.T. -0.01 min
 Lab File: VU024880.D
 Acq: 25 Jun 2018 17:20

Tgt Ion: 114 Resp: 320239
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 45.4
 88 15.4 0.0 31.0

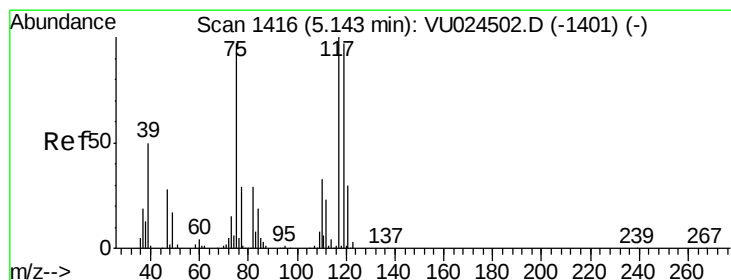
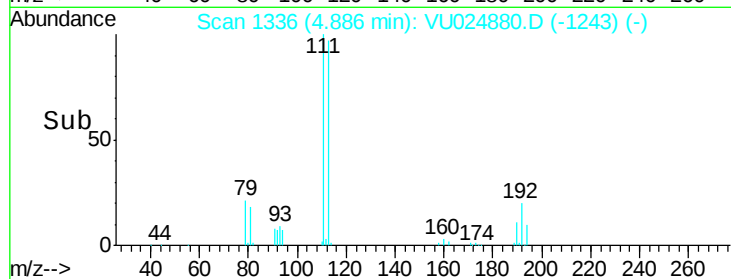
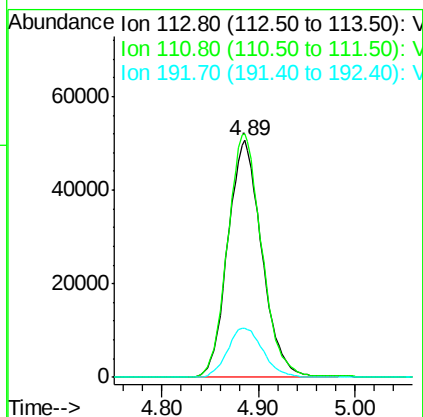
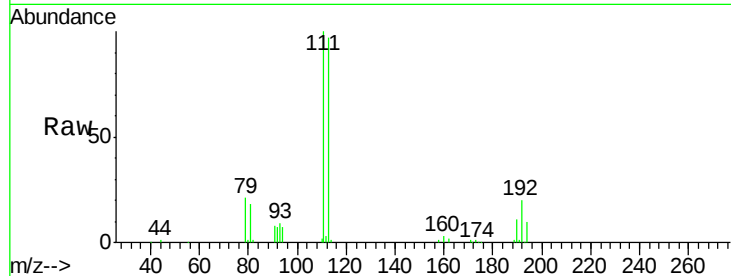




#35
 Dibromofluoromethane
 Concen: 46.57 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU024880.D
 Acq: 25 Jun 2018 17:20

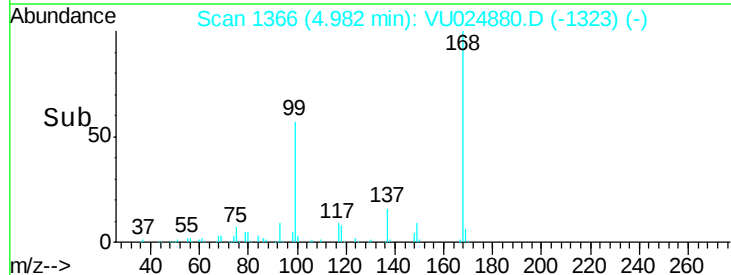
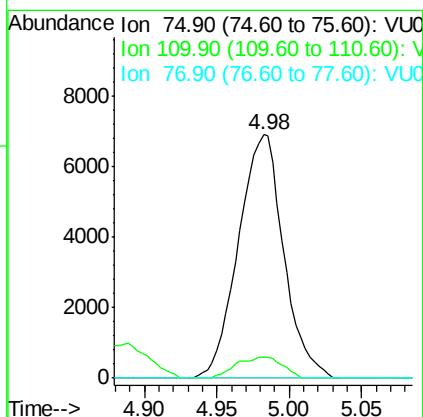
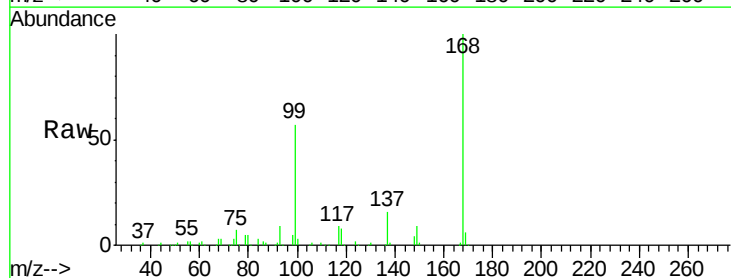
Instrument :
 MSVOA_U
 ClientSampleId :

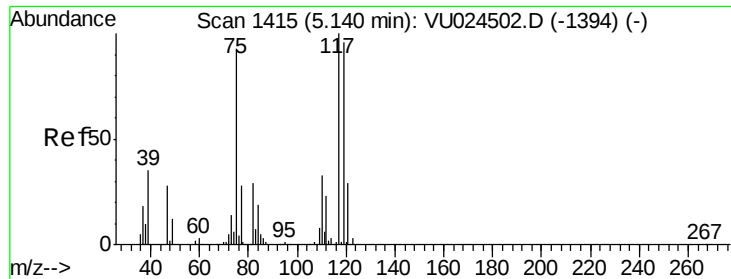
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.4
192	21.7	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 3.98 ug/l
 RT: 4.98 min Scan# 1366
 Delta R.T. -0.16 min
 Lab File: VU024880.D
 Acq: 25 Jun 2018 17:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.0	50.9#
77	0.0	24.2	36.4#

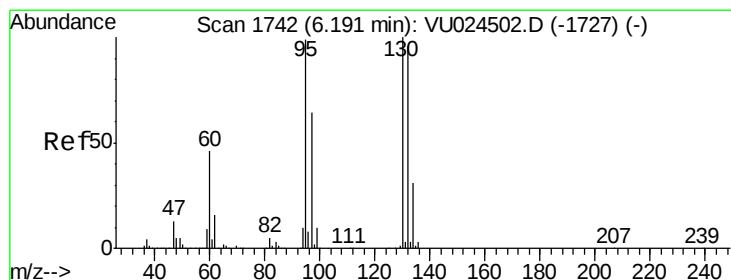
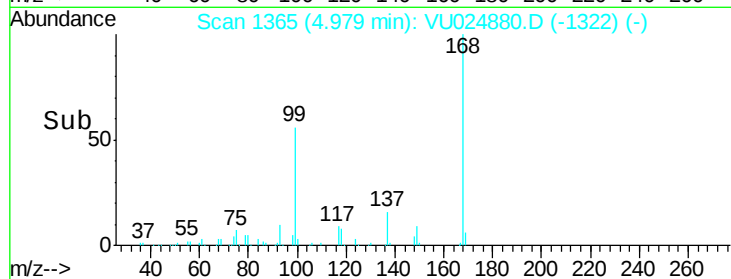
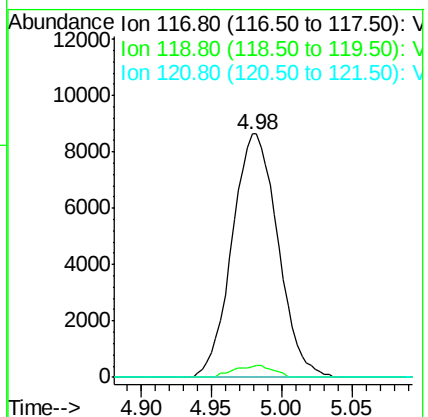
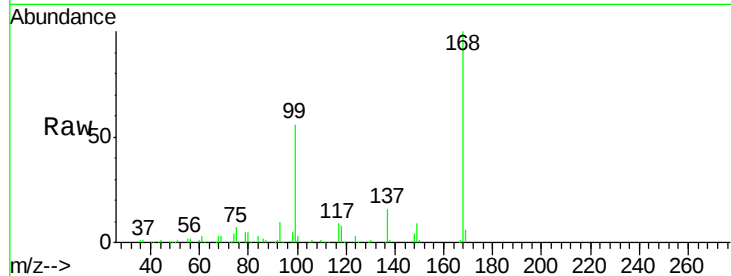




#38
Carbon Tetrachloride
Concen: 4.74 ug/l
RT: 4.98 min Scan# 1365
Delta R.T. -0.16 min
Lab File: VU024880.D
Acq: 25 Jun 2018 17:20

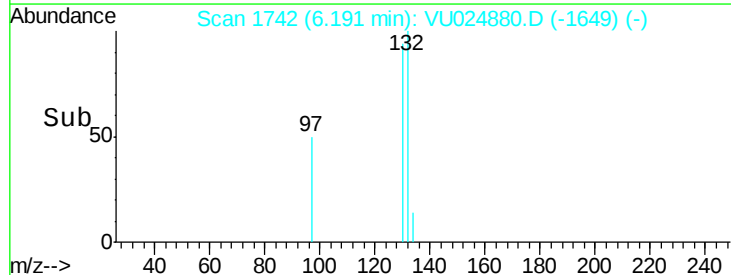
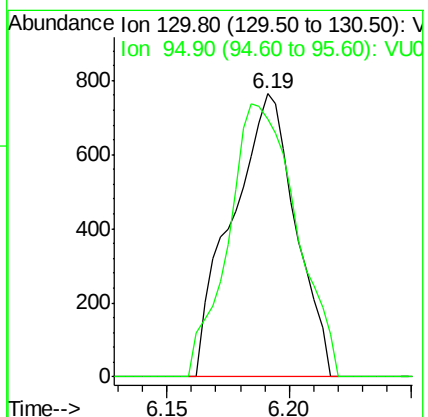
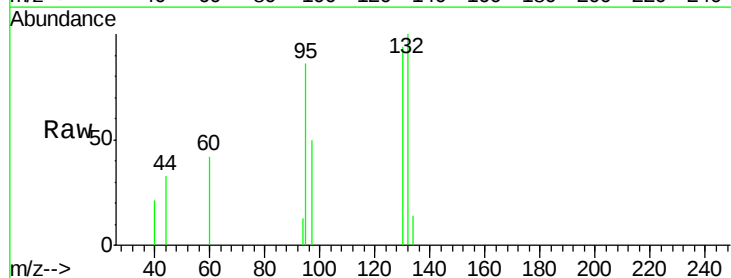
Instrument :
MSVOA_U
ClientSampled :

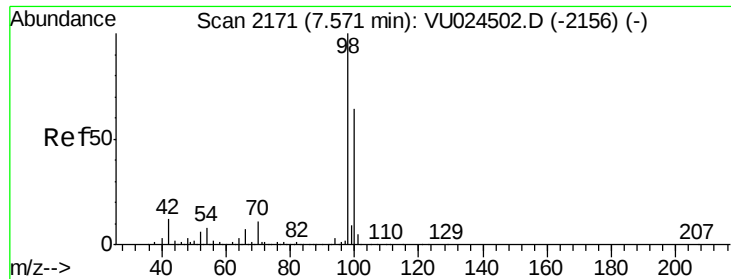
Tot Ion:117 Resp: 19610
Ion Ratio Lower Upper
117 100
119 4.3 76.1 114.1#
121 0.0 23.7 35.5#



#44
Trichloroethene
Concen: 0.45 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VU024880.D
Acq: 25 Jun 2018 17:20

Tgt Ion:130 Resp: 1375
Ion Ratio Lower Upper
130 100
95 91.0 0.0 202.4





#50

Toluene-d8

Concen: 48.38 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024880.D

Acq: 25 Jun 2018 17:20

Instrument :

MSVOA_U

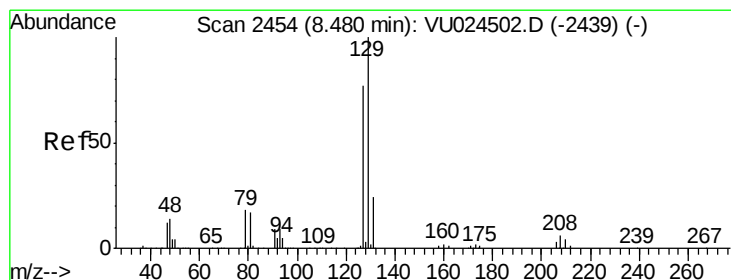
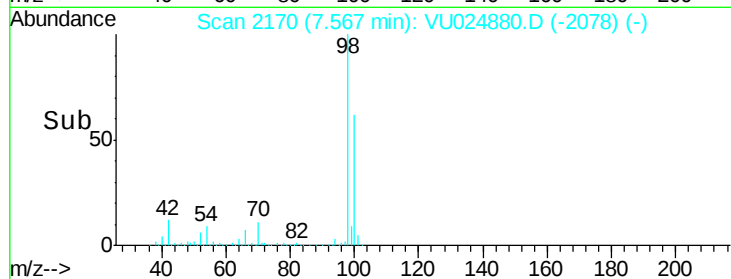
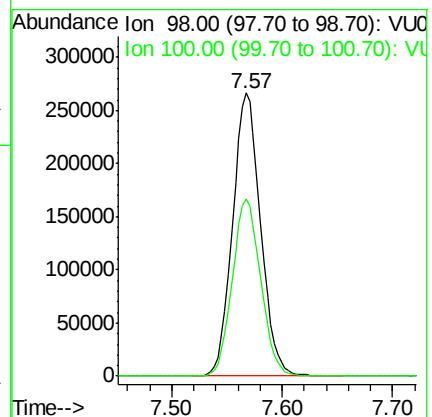
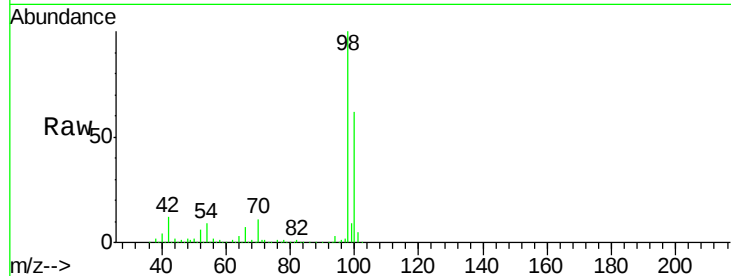
ClientSampleId :

Tot Ion: 98 Resp: 469054

Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7



#60

Dibromochloromethane

Concen: 14.54 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. -0.25 min

Lab File: VU024880.D

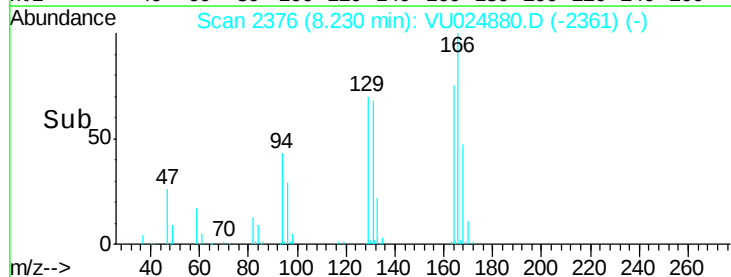
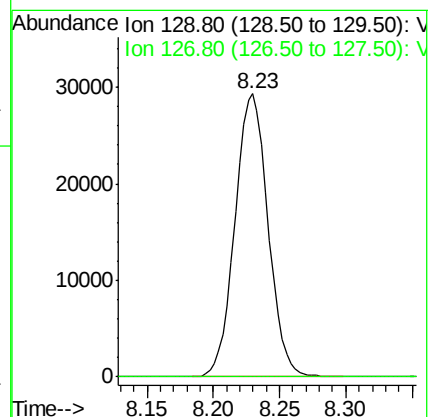
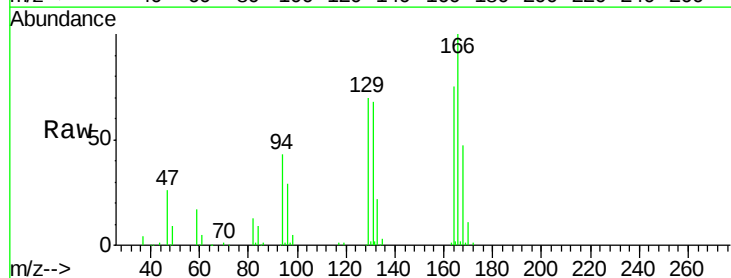
Acq: 25 Jun 2018 17:20

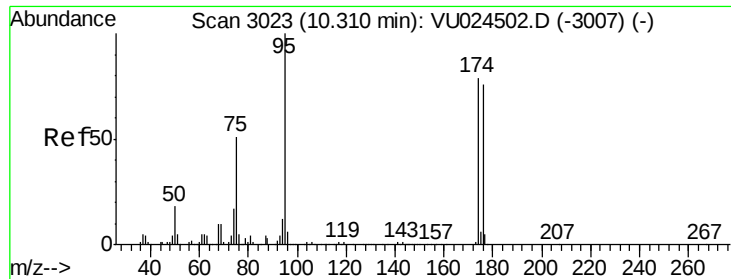
Tgt Ion: 129 Resp: 50832

Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#





#62

4-Bromofluorobenzene

Concen: 50.99 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. 0.01 min

Lab File: VU024880.D

Acq: 25 Jun 2018 17:20

Instrument :

MSVOA_U

ClientSampleId :

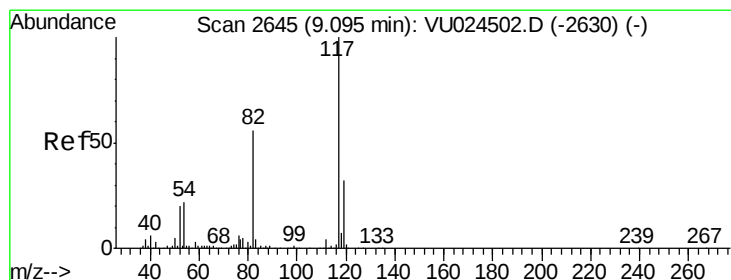
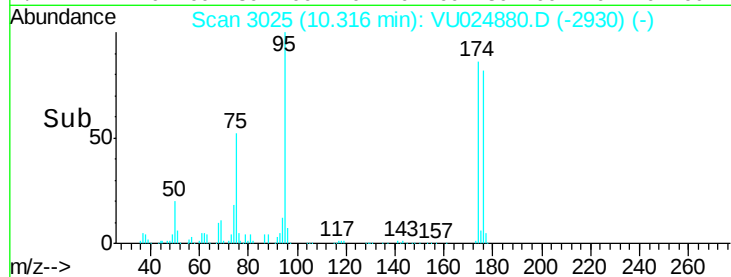
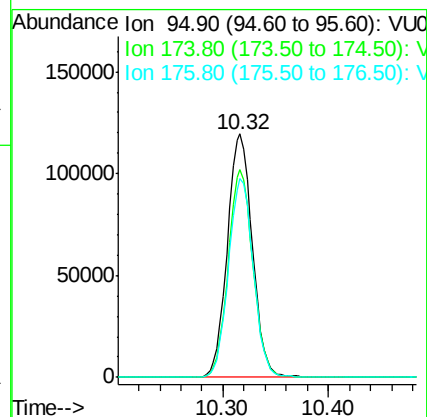
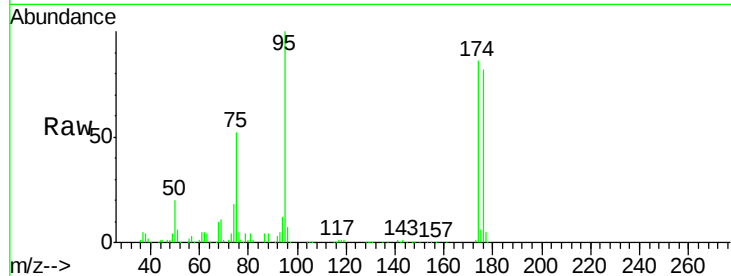
Tot Ion: 95 Resp: 196251

Ion Ratio Lower Upper

95 100

174 83.9 0.0 165.8

176 81.1 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: VU024880.D

Acq: 25 Jun 2018 17:20

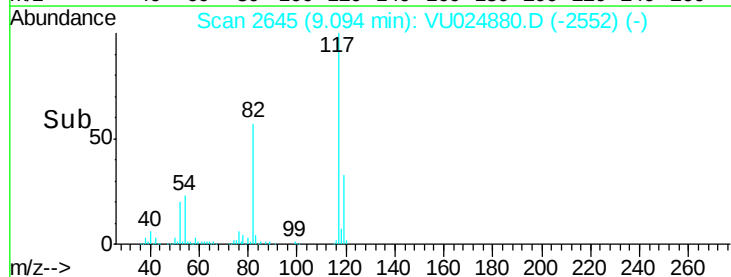
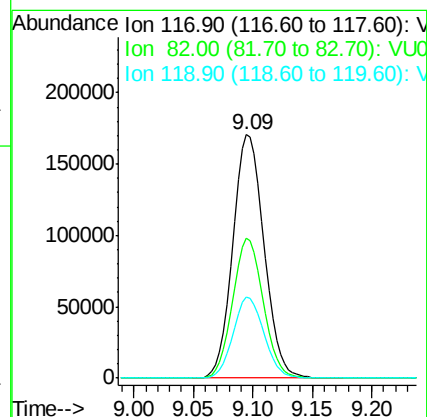
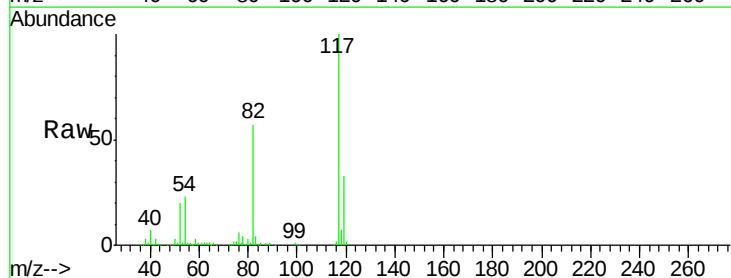
Tgt Ion: 117 Resp: 310784

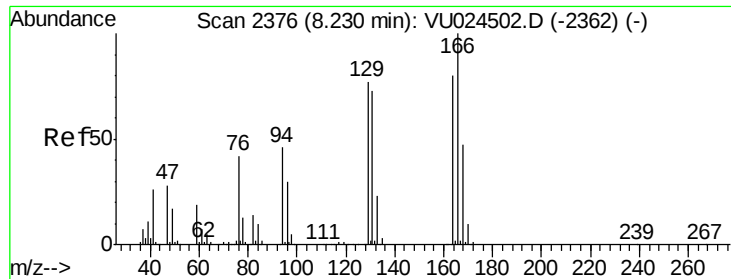
Ion Ratio Lower Upper

117 100

82 57.2 44.3 66.5

119 33.1 25.4 38.2

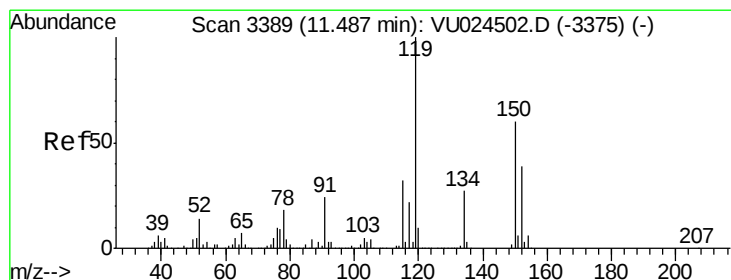
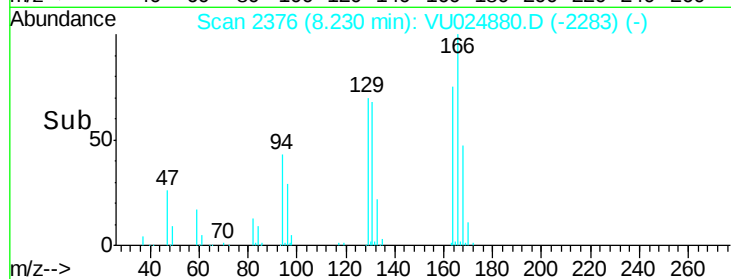
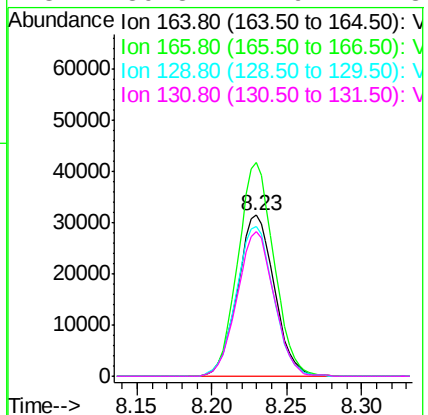
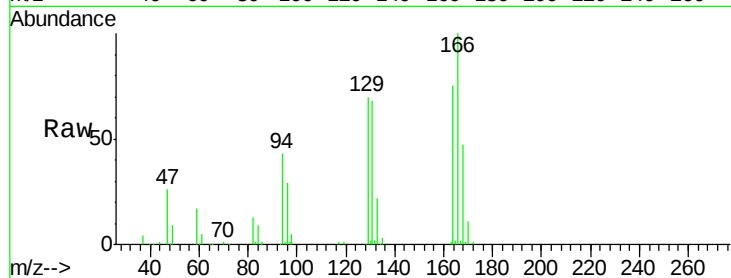




#64
Tetrachloroethene
Concen: 18.26 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU024880.D
Acq: 25 Jun 2018 17:20

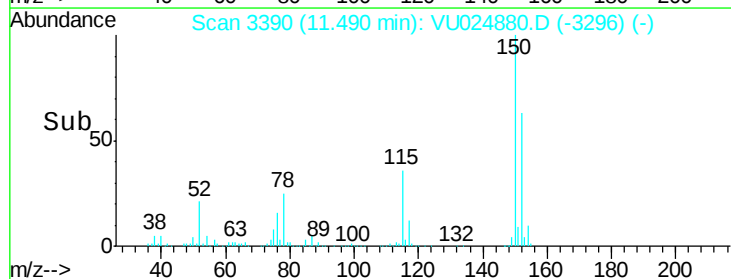
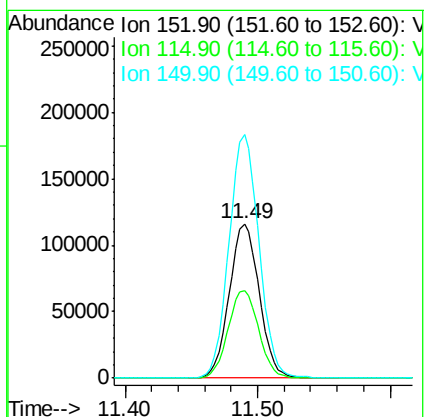
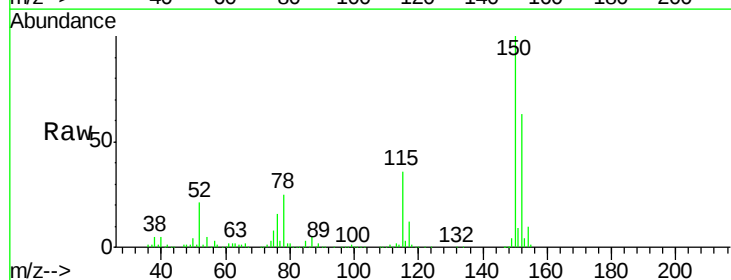
Instrument :
MSVOA_U
ClientSampleId :

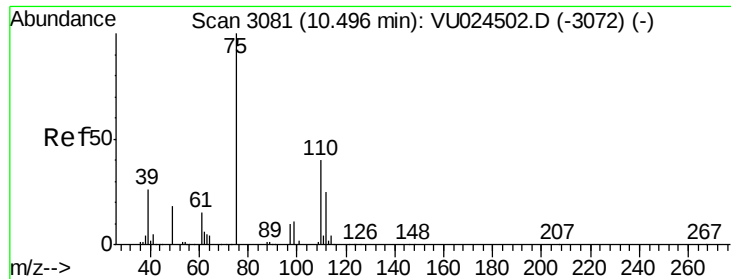
Tot Ion:	164	Resp:	53952
Ion	Ratio	Lower	Upper
164	100		
166	132.8	101.7	152.5
129	93.1	76.9	115.3
131	89.8	74.9	112.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VU024880.D
Acq: 25 Jun 2018 17:20

Tgt Ion:	152	Resp:	182349
Ion	Ratio	Lower	Upper
152	100		
115	57.7	43.0	129.0
150	158.0	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 25.17 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. -0.18 min

Lab File: VU024880.D

Acq: 25 Jun 2018 17:20

Instrument :

MSVOA_U

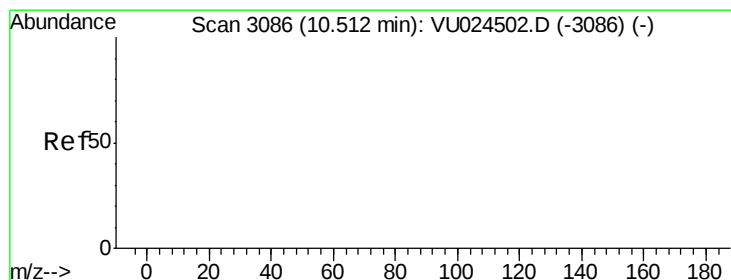
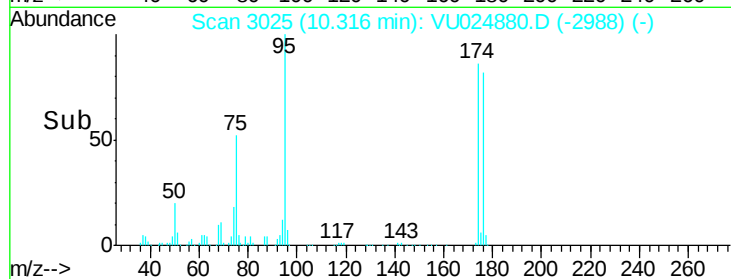
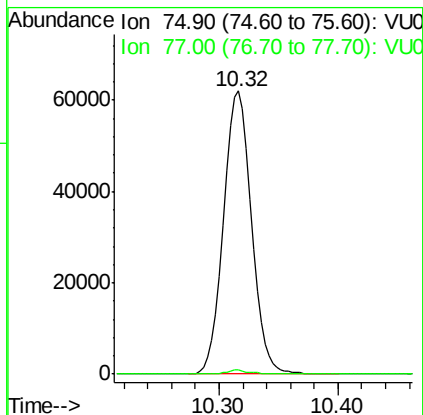
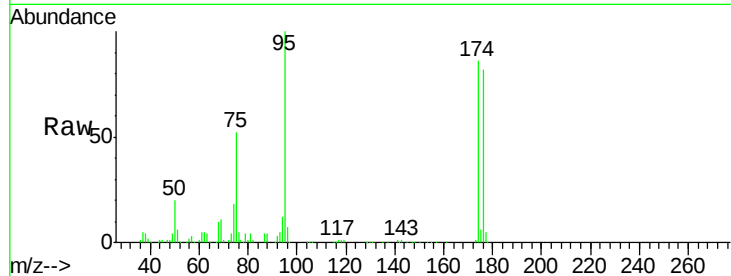
ClientSampleId :

Tot Ion: 75 Resp: 101036

Ion Ratio Lower Upper

75 100

77 1.2 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.25 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. -0.20 min

Lab File: VU024880.D

Acq: 25 Jun 2018 17:20

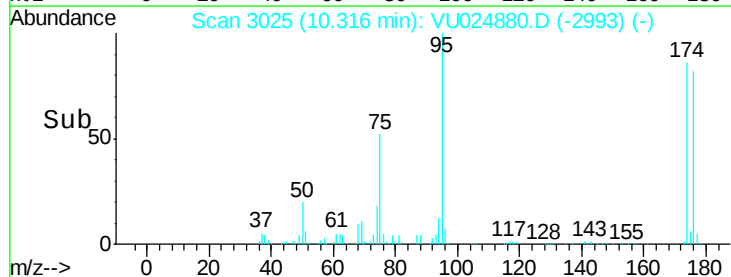
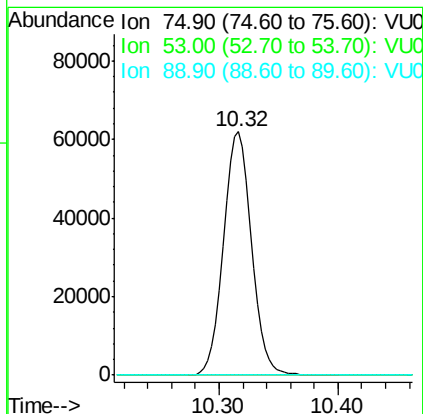
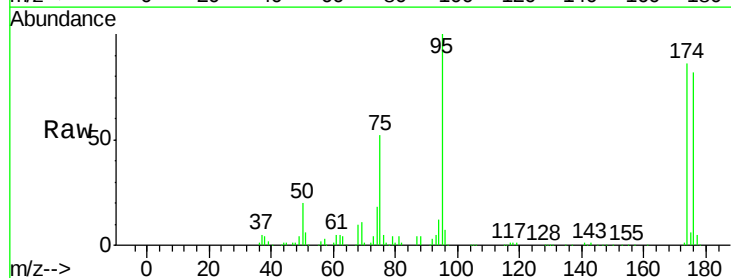
Tgt Ion: 75 Resp: 101036

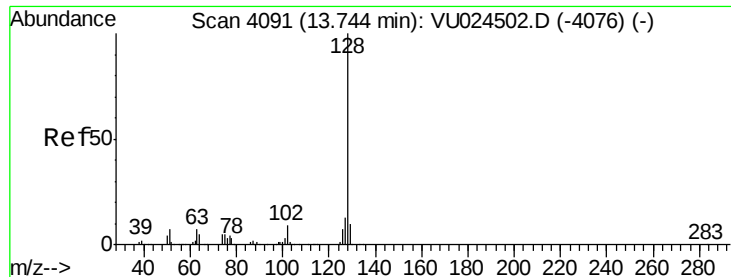
Ion Ratio Lower Upper

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# 4097

Delta R.T. 0.02 min

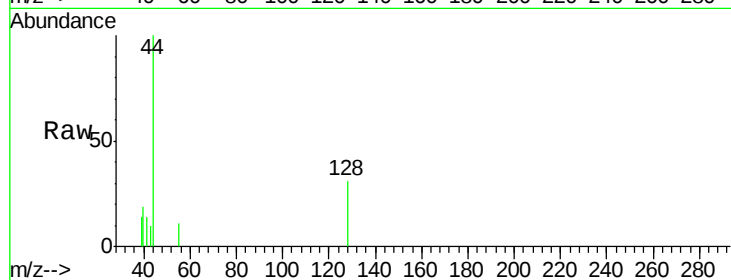
Lab File: VU024880.D

Acq: 25 Jun 2018 17:20

Instrument :

MSVOA_U

ClientSampleId :



Tot Ion:	128	Resp:	494
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

