

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121718\
 Data File : VX006578.D
 Acq On : 17 Dec 2018 17:39
 Operator : JC/MD
 Sample : J6408-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 18 00:41:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	666640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1048825	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	968019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	456233	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	367290	53.97	ug/l	0.00
Spiked Amount			Recovery	=	107.94%	
35) Dibromofluoromethane	5.50	113	320831	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
50) Toluene-d8	8.71	98	1260264	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
62) 4-Bromofluorobenzene	11.13	95	464860	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	

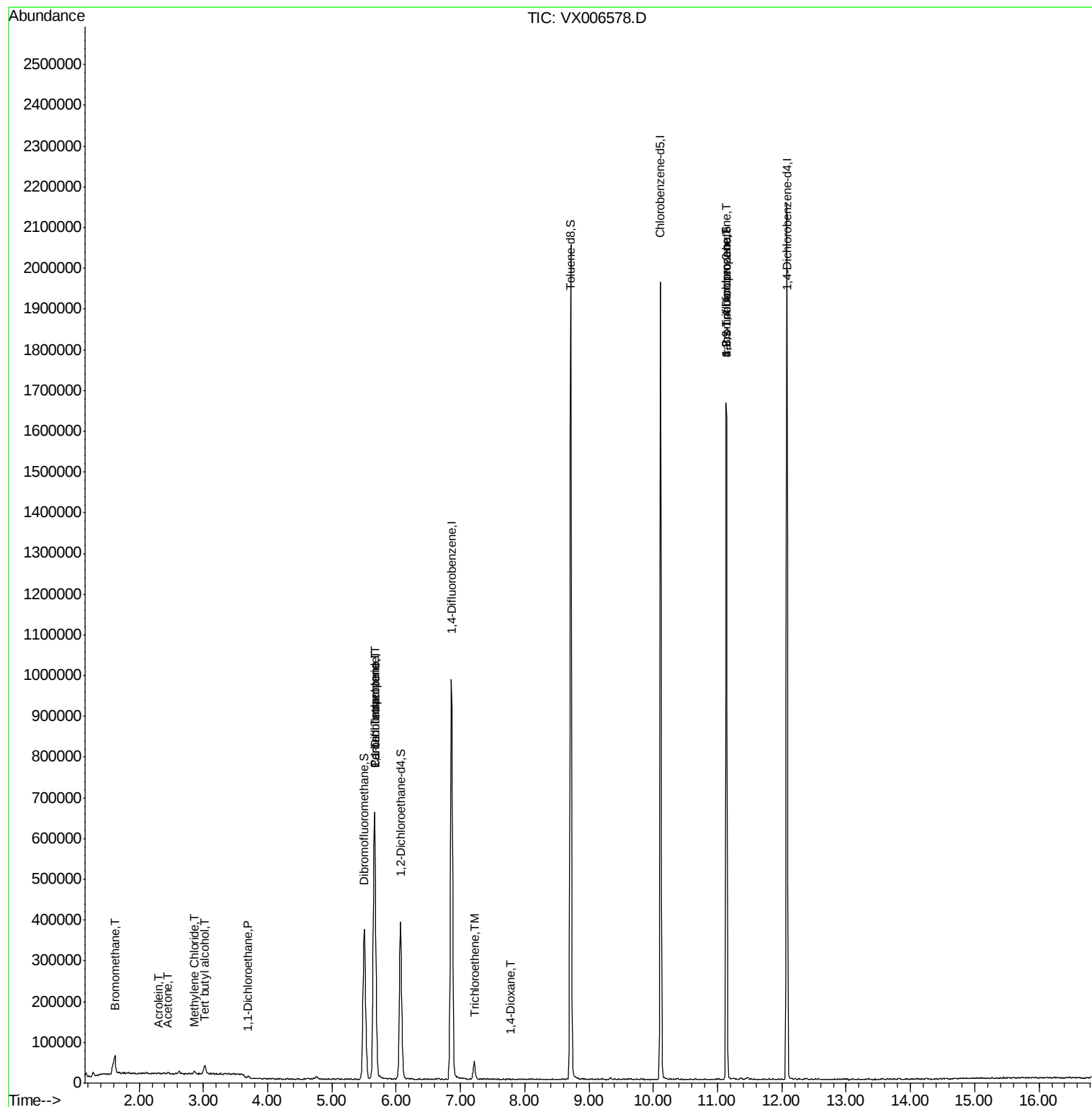
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1338	0.267	ug/l #	7
11) Tert butyl alcohol	3.02	59	14002	7.523	ug/l #	79
13) Acrolein	2.30	56	476	0.468	ug/l #	66
16) Acetone	2.45	43	3549	1.111	ug/l #	87
20) Methylene Chloride	2.87	84	2832	0.417	ug/l #	86
24) 1,1-Dichloroethane	3.70	63	6818	0.641	ug/l	98
36) 1,1-Dichloropropene	5.66	75	45656	5.169	ug/l #	48
38) Carbon Tetrachloride	5.66	117	63947	6.154	ug/l #	17
44) Trichloroethene	7.21	130	16862	2.104	ug/l	99
49) 1,4-Dioxane	7.78	88	142	0.718	ug/l #	42
76) 1,2,3-Trichloropropane	11.13	75	215057	24.422	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	215057	57.311	ug/l #	15

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006578.D

Acq: 17 Dec 2018 17:39

Instrument :

MSVOA_X

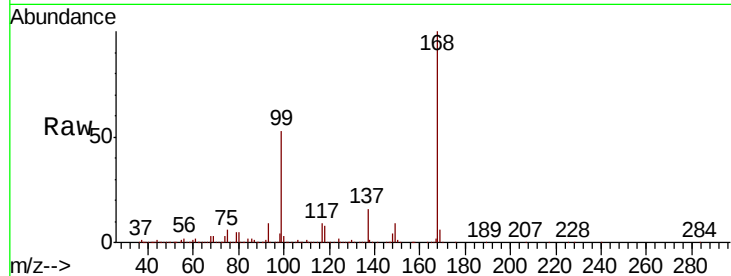
ClientSampleId :

Tot Ion:168 Resp: 666640

Ion Ratio Lower Upper

168 100

99 53.3 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

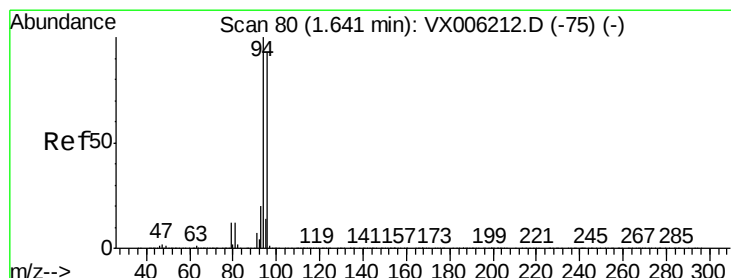
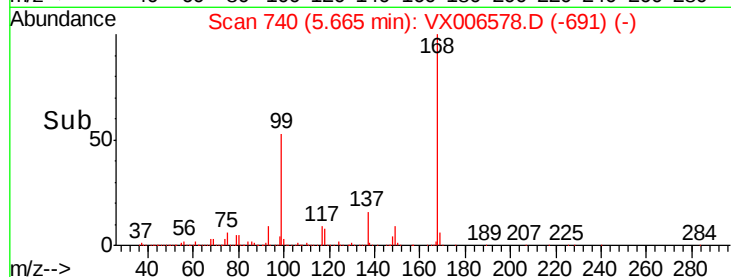
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.267 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006578.D

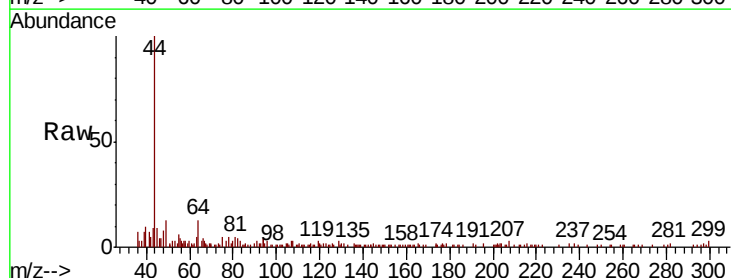
Acq: 17 Dec 2018 17:39

Tgt Ion: 94 Resp: 1338

Ion Ratio Lower Upper

94 100

96 4.1 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

600

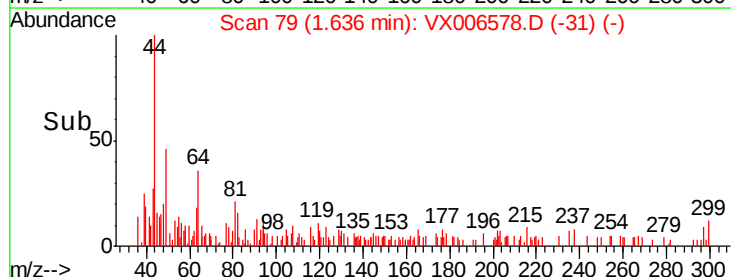
400

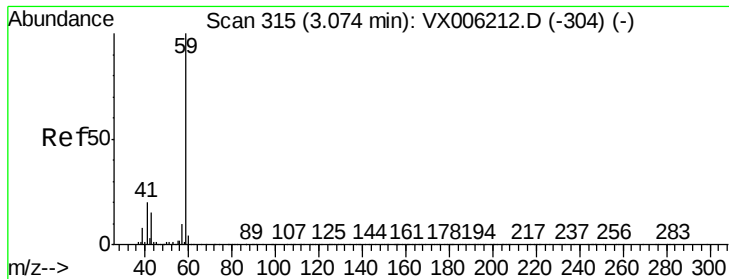
200

0

1.60 1.65

Time-->



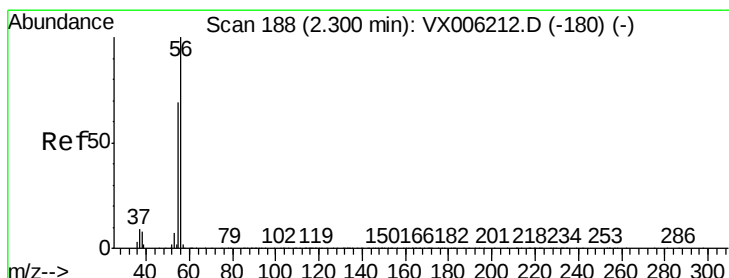
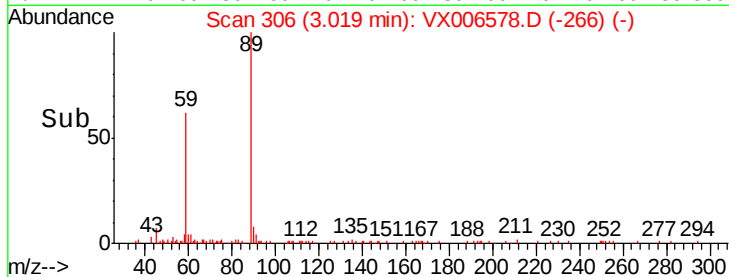
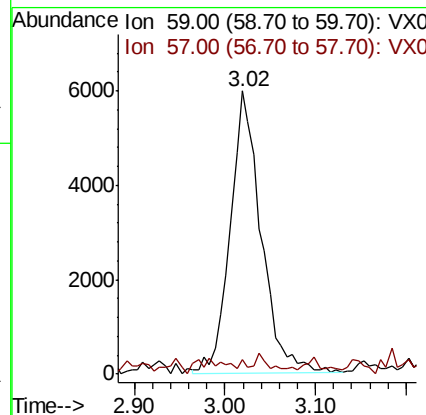
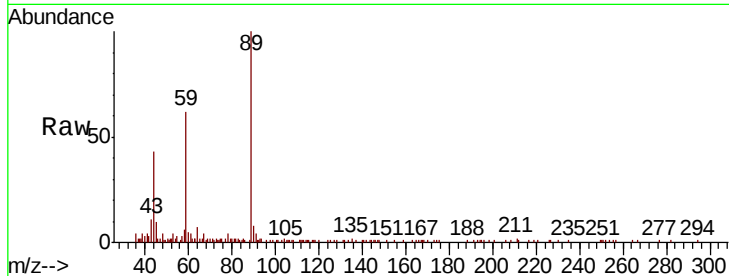


#11

Tert butyl alcohol
Concen: 7.523 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.05 min
Lab File: VX006578.D
Acq: 17 Dec 2018 17:39

Instrument :
MSVOA_X
ClientSampled :

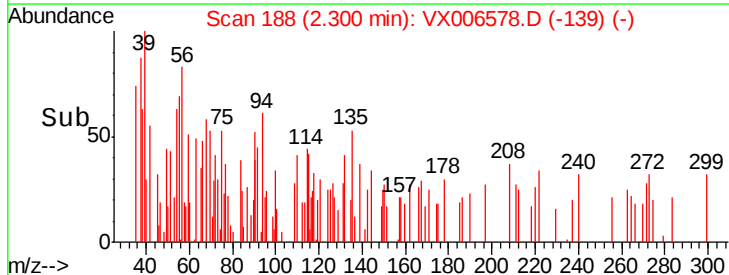
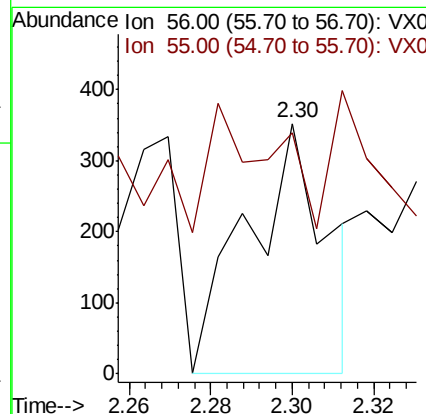
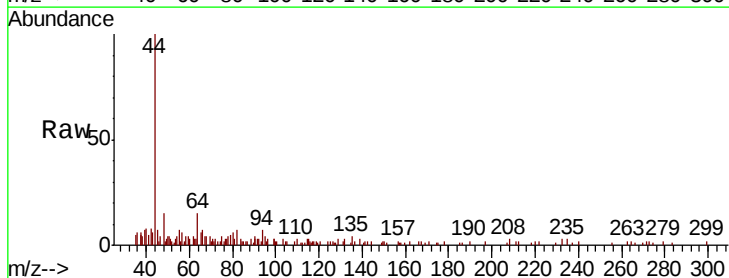
Tot Ion: 59 Resp: 14002
Ion Ratio Lower Upper
59 100
57 2.4 8.2 12.2#

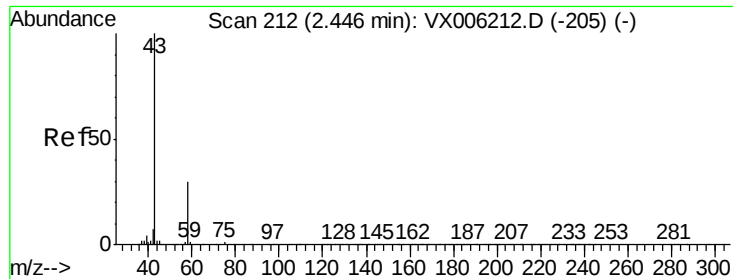


#13

Acrolein
Concen: 0.468 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.00 min
Lab File: VX006578.D
Acq: 17 Dec 2018 17:39

Tgt Ion: 56 Resp: 476
Ion Ratio Lower Upper
56 100
55 44.1 57.8 86.6#





#16

Acetone

Concen: 1.111 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006578.D

Acq: 17 Dec 2018 17:39

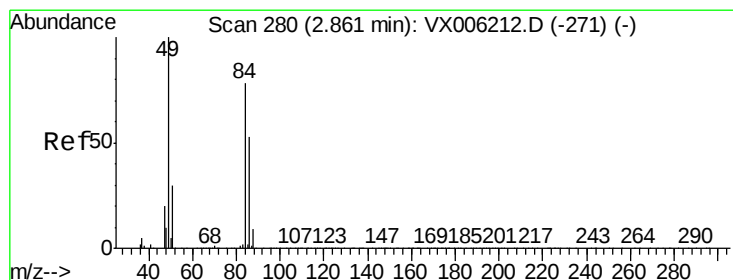
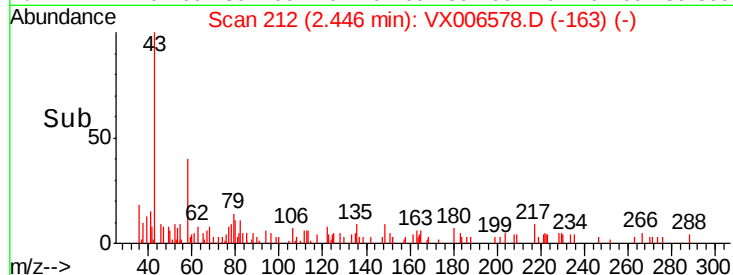
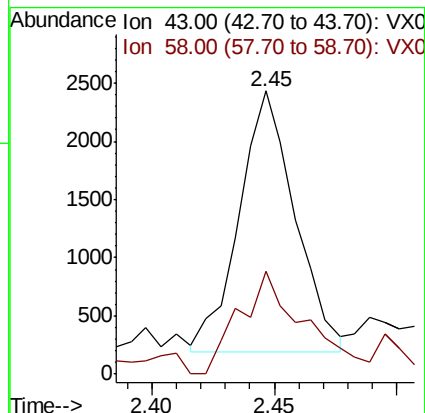
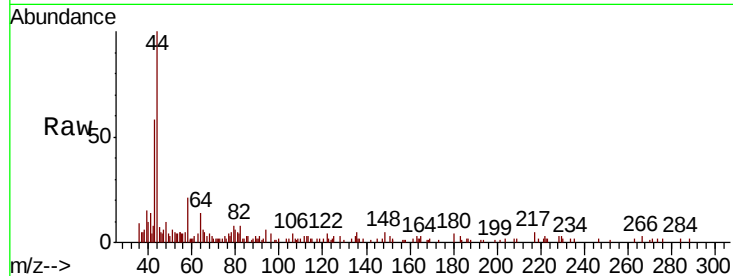
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 3549

Ion Ratio Lower Upper

43 100

58 37.2 24.0 36.0#



#20

Methylene Chloride

Concen: 0.417 ug/l

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX006578.D

Acq: 17 Dec 2018 17:39

Tgt Ion: 84 Resp: 2832

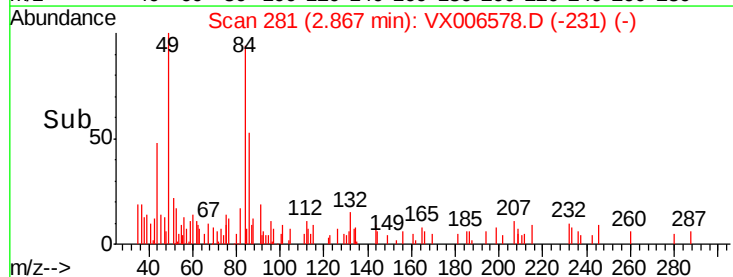
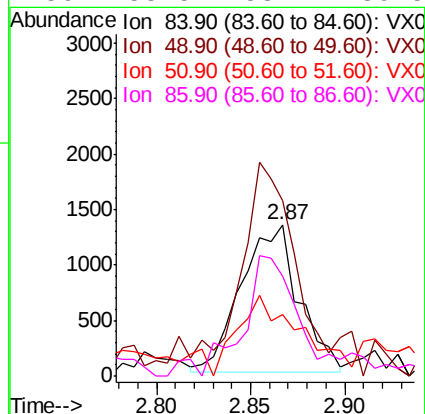
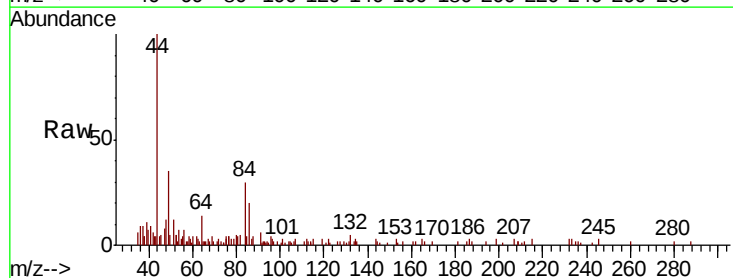
Ion Ratio Lower Upper

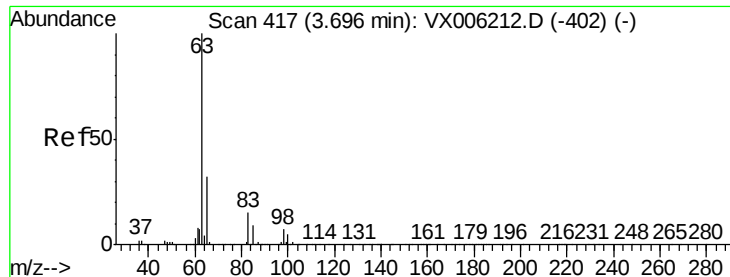
84 100

49 110.7 102.2 153.4

51 28.2 31.1 46.7#

86 58.5 53.7 80.5





#24

1,1-Dichloroethane

Concen: 0.641 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX006578.D

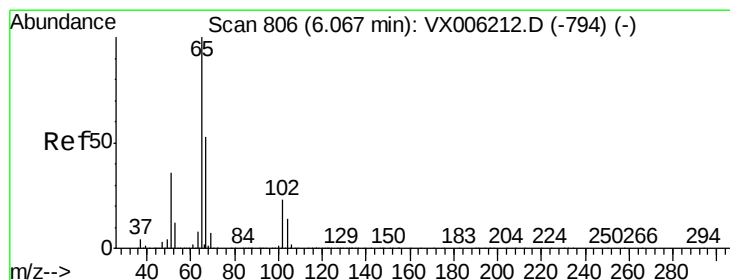
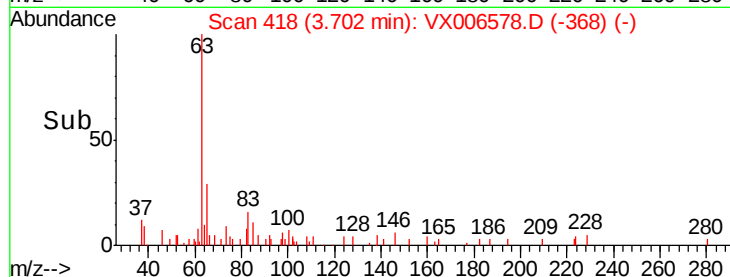
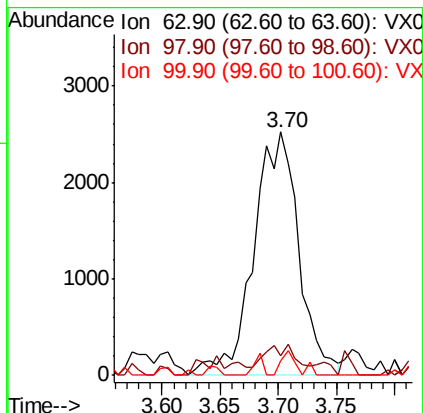
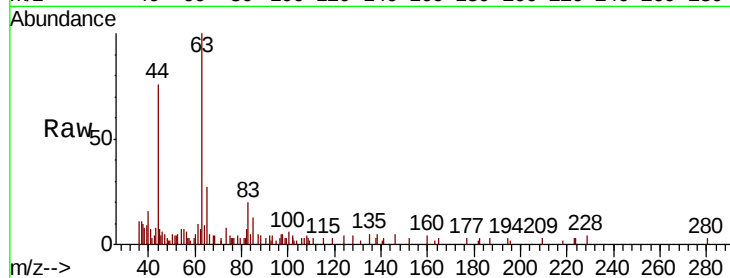
Acq: 17 Dec 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	63	Resp:	6818
Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.8	11.4
100	6.2	2.5	7.4



#33

1,2-Dichloroethane-d4

Concen: 53.971 ug/l

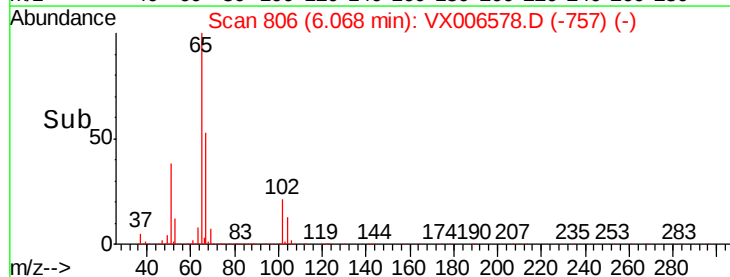
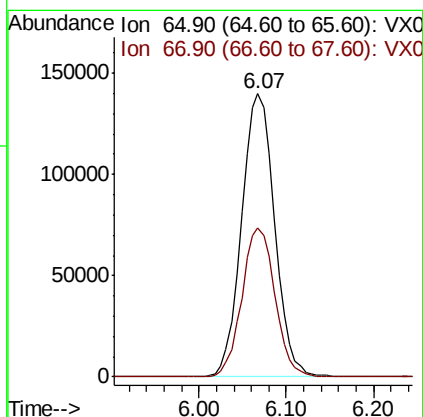
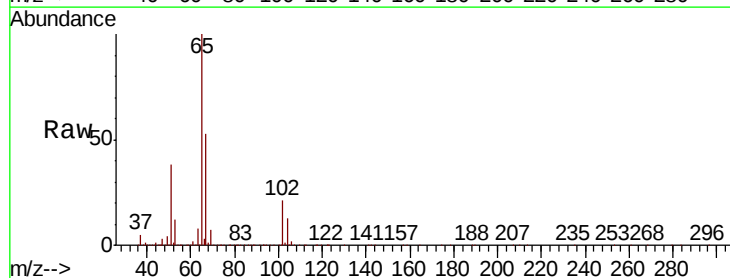
RT: 6.07 min Scan# 806

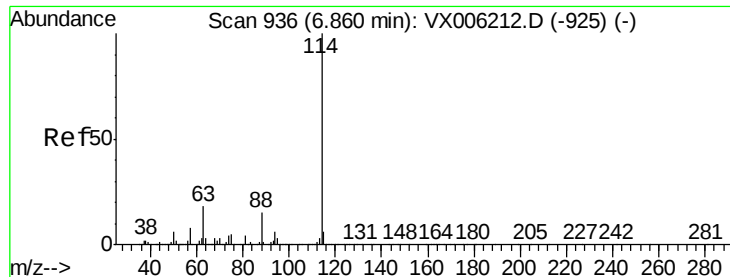
Delta R.T. 0.00 min

Lab File: VX006578.D

Acq: 17 Dec 2018 17:39

Tgt Ion:	65	Resp:	367290
Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006578.D

Acq: 17 Dec 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

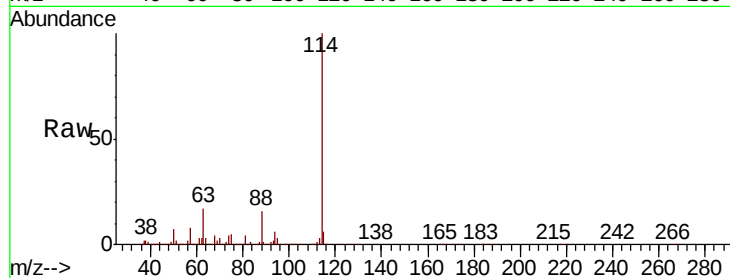
Tot Ion:114 Resp: 1048825

Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.6

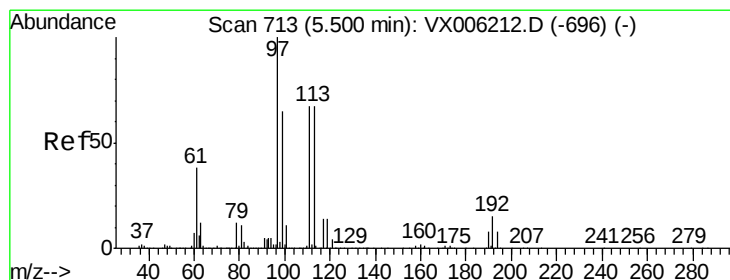
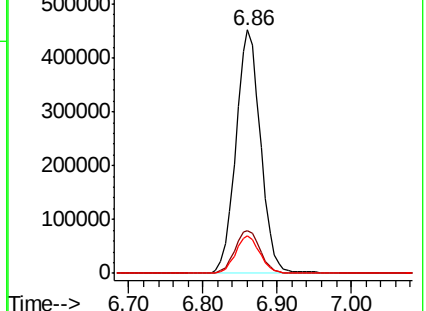
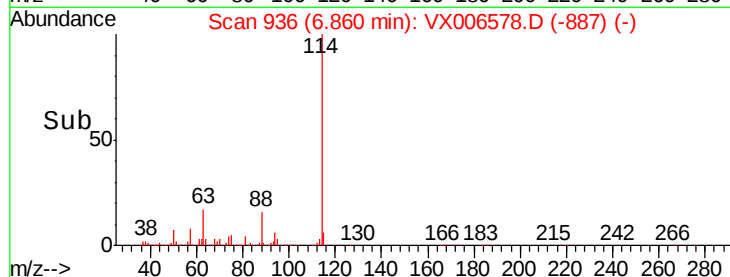
88 15.6 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.245 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006578.D

Acq: 17 Dec 2018 17:39

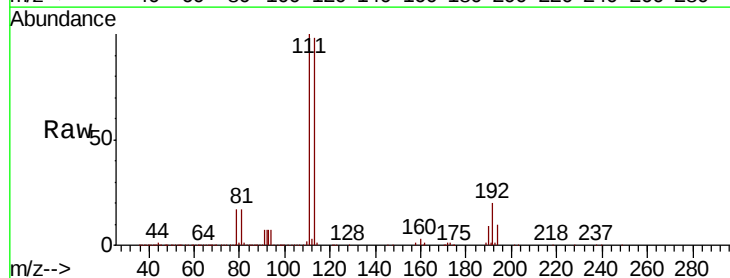
Tgt Ion:113 Resp: 320831

Ion Ratio Lower Upper

113 100

111 101.8 81.1 121.7

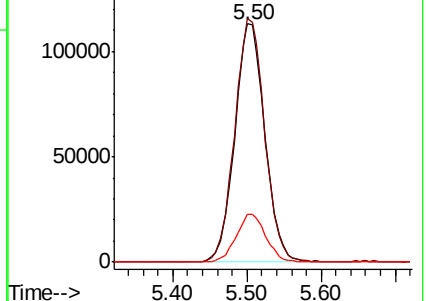
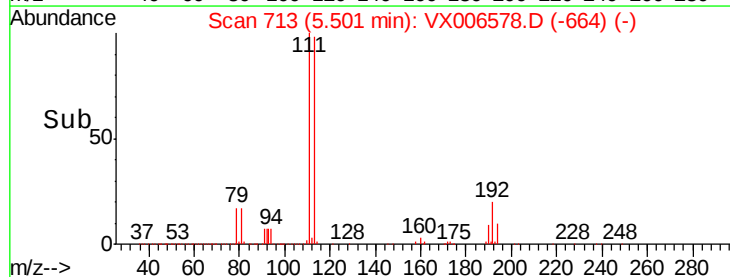
192 19.8 18.2 27.2

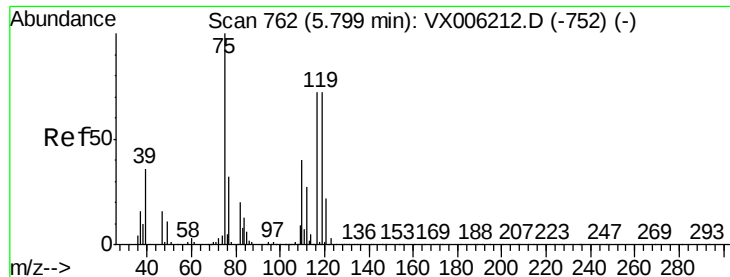


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.169 ug/l

RT: 5.66 min Scan# 739

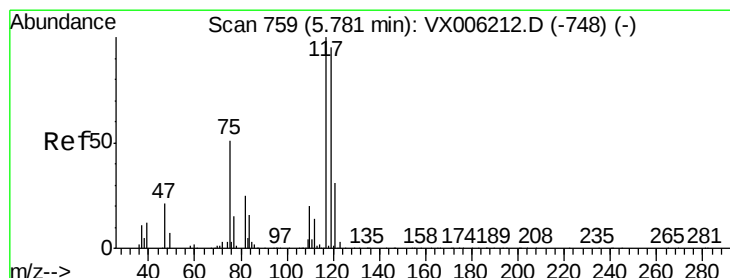
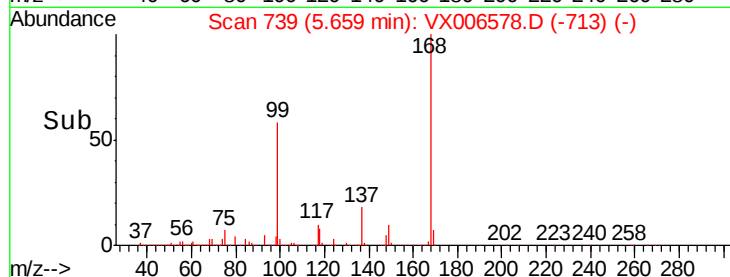
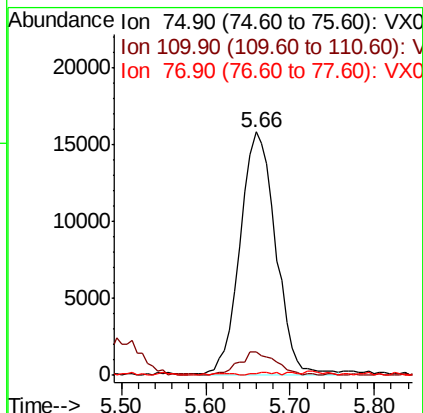
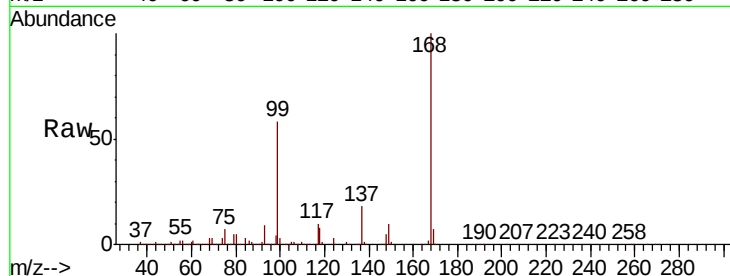
Delta R.T. -0.14 min

Lab File: VX006578.D

Acq: 17 Dec 2018 17:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	75	Resp:	45656
Ion	Ratio	Lower	Upper
75	100		
110	9.9	20.4	61.3#
77	0.5	24.9	37.3#



#38

Carbon Tetrachloride

Concen: 6.154 ug/l

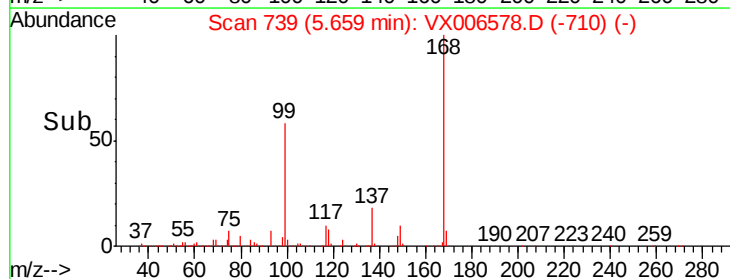
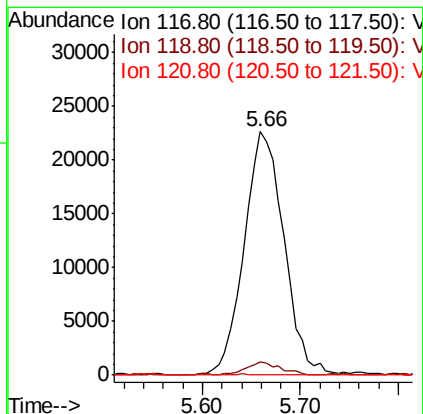
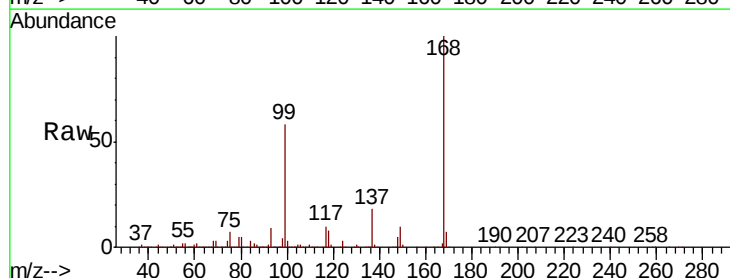
RT: 5.66 min Scan# 739

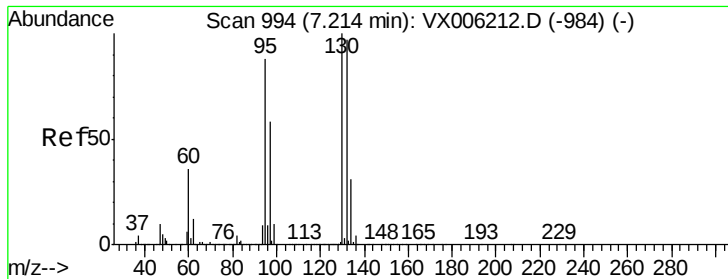
Delta R.T. -0.12 min

Lab File: VX006578.D

Acq: 17 Dec 2018 17:39

Tgt Ion:	117	Resp:	63947
Ion	Ratio	Lower	Upper
117	100		
119	5.5	75.8	113.8#
121	0.0	24.6	37.0#





#44

Trichloroethene

Concen: 2.104 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006578.D

Acq: 17 Dec 2018 17:39

Instrument :

MSVOA_X

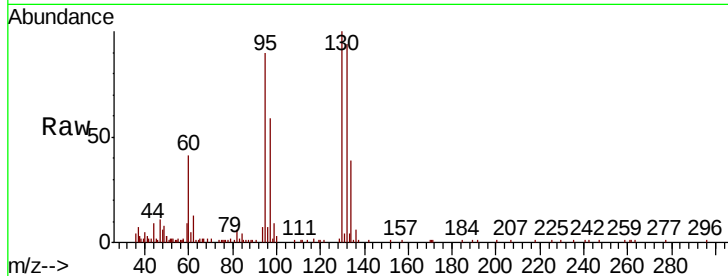
ClientSampleId :

Tot Ion:130 Resp: 16862

Ion Ratio Lower Upper

130 100

95 88.9 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

8000

6000

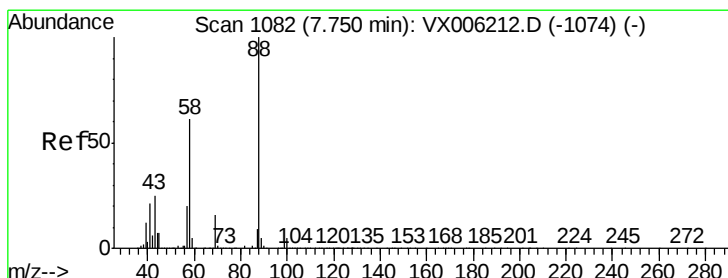
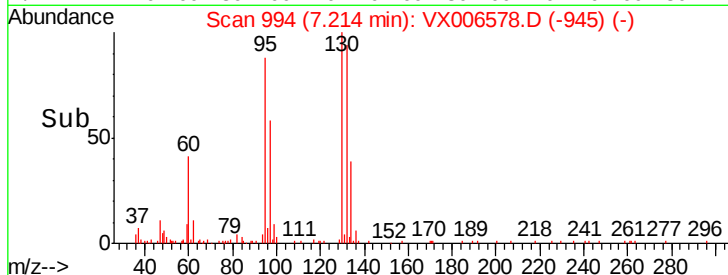
4000

2000

0

7.15 7.20 7.25 7.30

Time-->



#49

1,4-Dioxane

Concen: 0.718 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.03 min

Lab File: VX006578.D

Acq: 17 Dec 2018 17:39

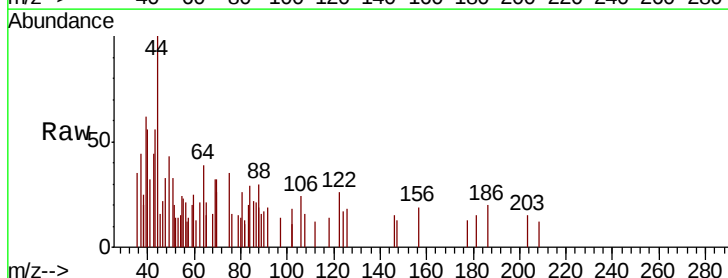
Tgt Ion: 88 Resp: 142

Ion Ratio Lower Upper

88 100

43 0.0 23.2 34.8#

58 111.3 51.4 77.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

300

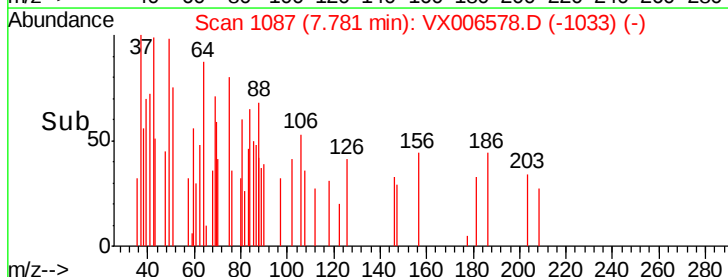
200

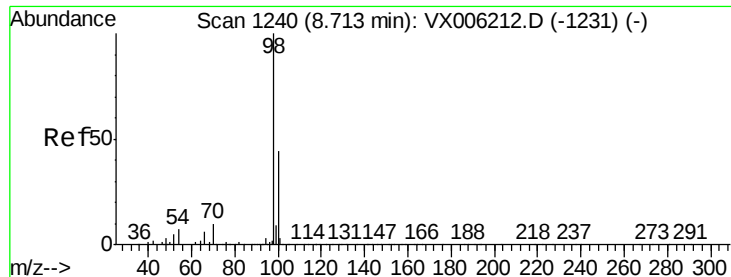
100

0

7.74 7.76 7.78 7.80

Time-->





#50

Toluene-d8

Concen: 51.021 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006578.D

Acq: 17 Dec 2018 17:39

Instrument :

MSVOA_X

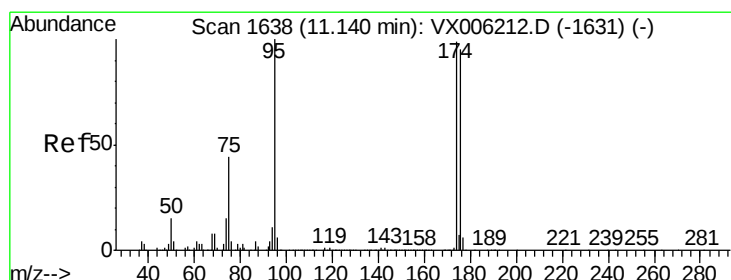
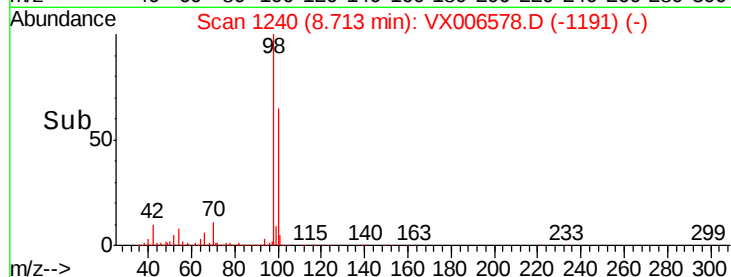
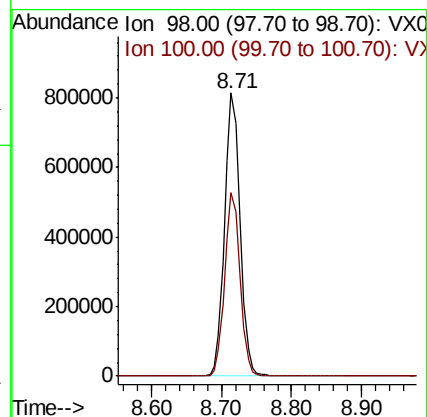
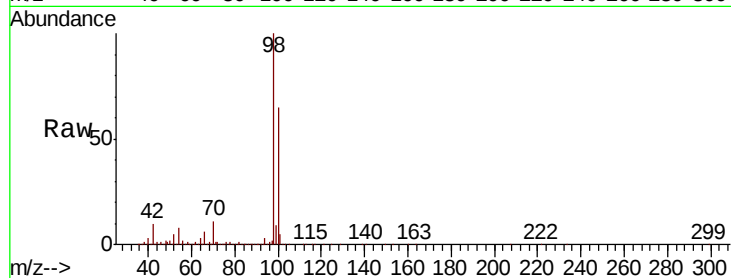
ClientSampleId :

Tot Ion: 98 Resp: 1260264

Ion Ratio Lower Upper

98 100

100 64.2 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 49.942 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006578.D

Acq: 17 Dec 2018 17:39

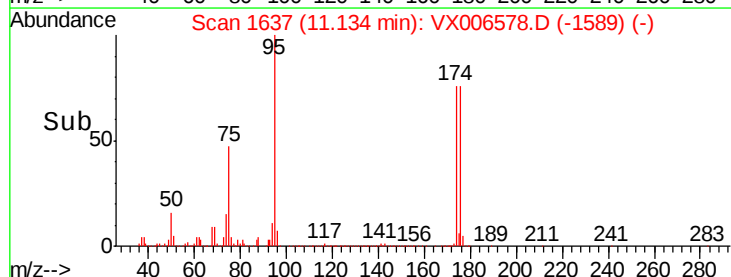
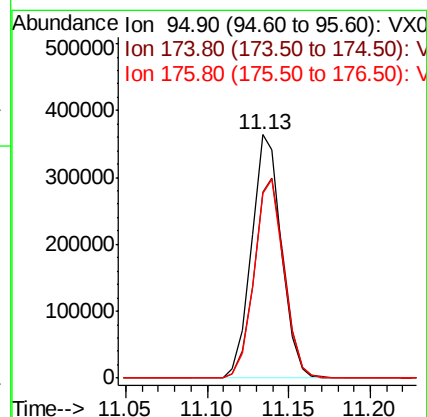
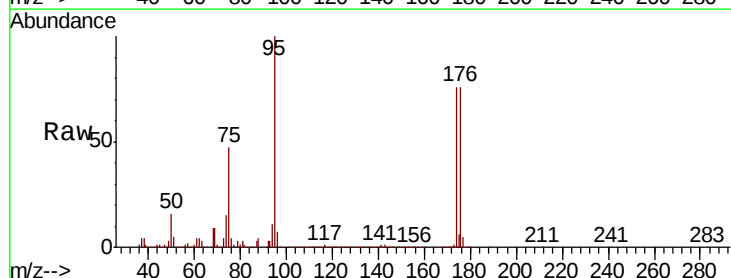
Tgt Ion: 95 Resp: 464860

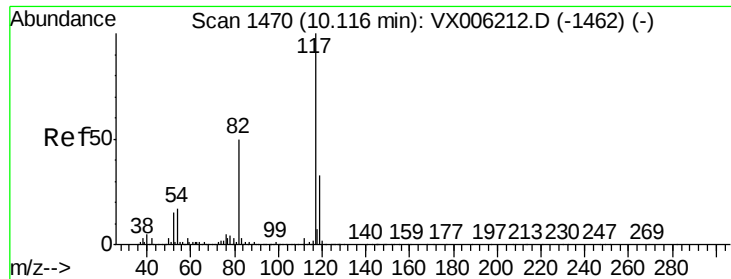
Ion Ratio Lower Upper

95 100

174 82.7 0.0 187.0

176 81.3 0.0 181.8

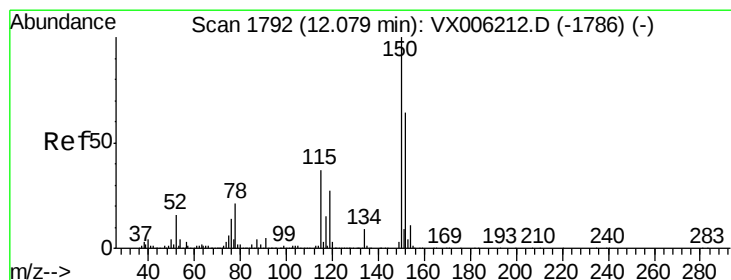
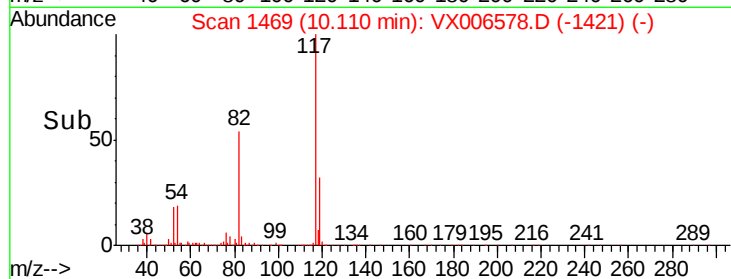
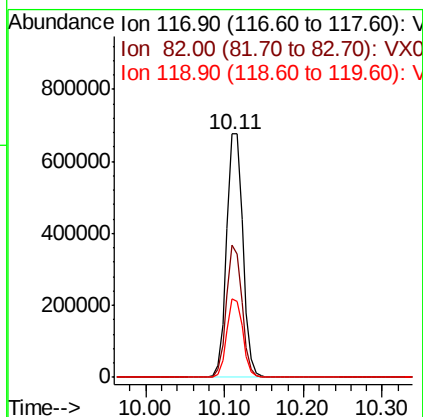
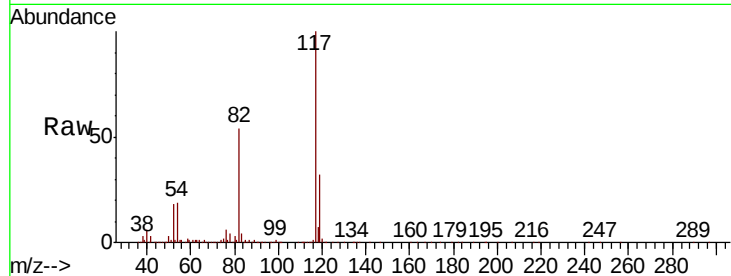




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX006578.D
Acq: 17 Dec 2018 17:39

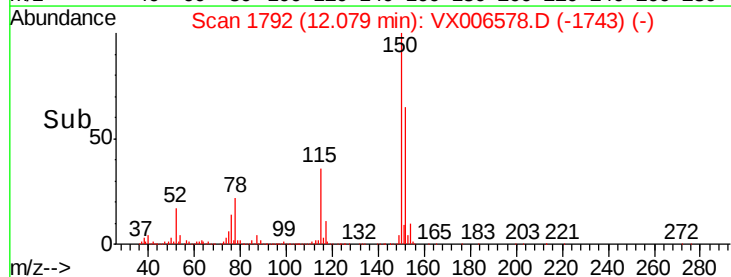
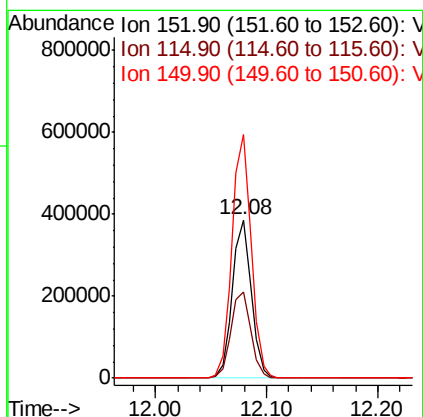
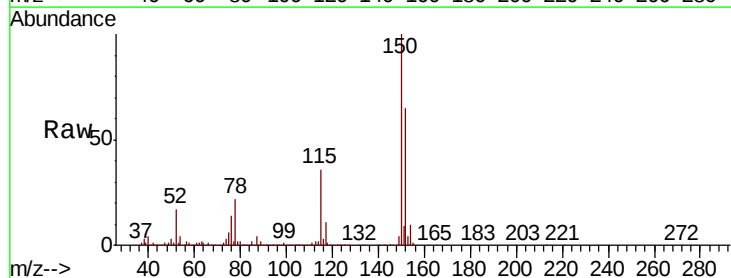
Instrument :
MSVOA_X
ClientSampleId :

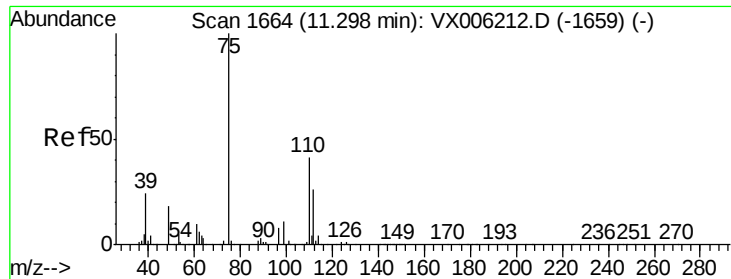
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	39.6	59.4
119	32.1	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006578.D
Acq: 17 Dec 2018 17:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	39.0	116.9
150	156.0	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 24.422 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006578.D

Acq: 17 Dec 2018 17:39

Instrument :

MSVOA_X

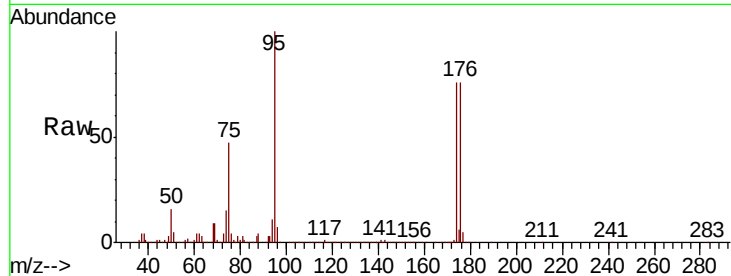
ClientSampleId :

Tot Ion: 75 Resp: 215057

Ion Ratio Lower Upper

75 100

77 1.1 19.9 59.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

200000

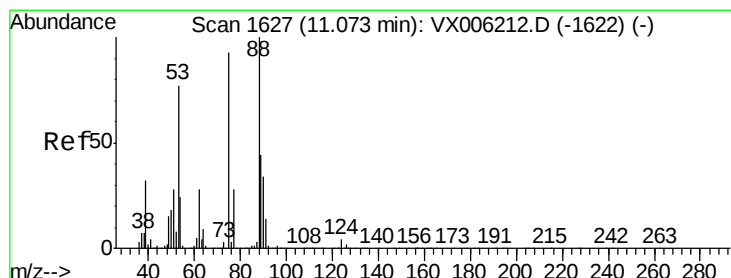
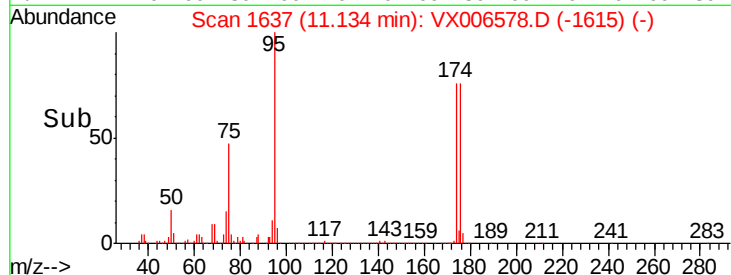
150000

100000

50000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 57.311 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006578.D

Acq: 17 Dec 2018 17:39

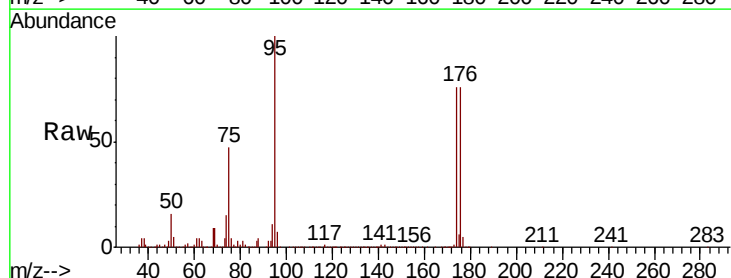
Tgt Ion: 75 Resp: 215057

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 44.2 66.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

200000

150000

100000

50000

0

Time--> 11.05 11.10 11.15 11.20

