

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021420\
 Data File : VX014944.D
 Acq On : 14 Feb 2020 14:02
 Operator : JC/SP
 Sample : L1533-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 14 22:10:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	460220	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	709888	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	674344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	357745	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	260282	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
35) Dibromofluoromethane	5.49	113	215538	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
50) Toluene-d8	8.71	98	842832	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
62) 4-Bromofluorobenzene	11.13	95	317503	52.91	ug/l	0.00
Spiked Amount			Recovery	=	105.82%	

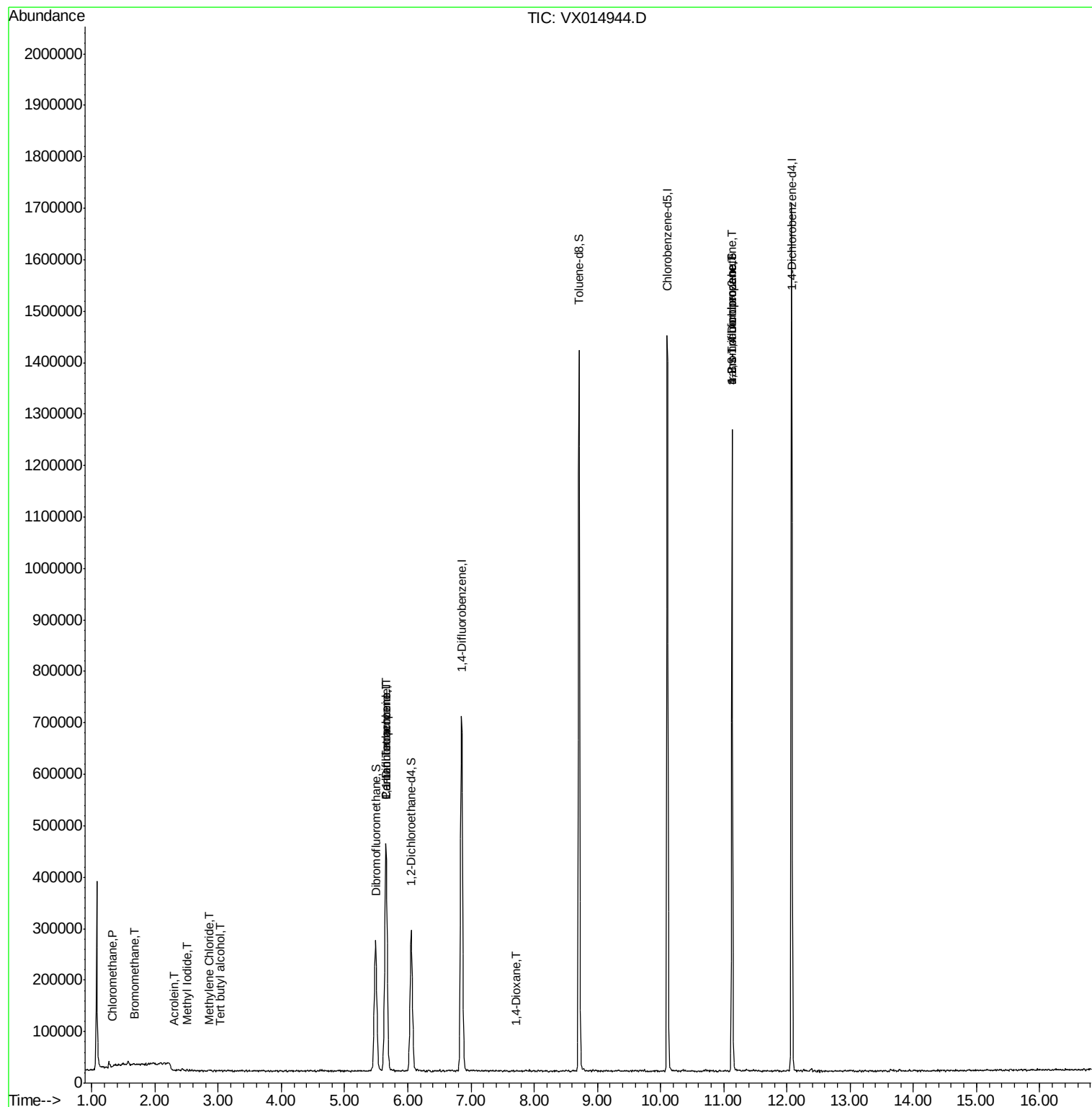
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1586	0.321	ug/l #	86
5) Bromomethane	1.66	94	1705	0.495	ug/l #	55
10) Methyl Iodide	2.51	142	1272	4.610	ug/l #	51
11) Tert butyl alcohol	3.03	59	1094	1.193	ug/l #	53
13) Acrolein	2.30	56	450	0.644	ug/l #	15
16) Acetone	2.43	43	5253	Below Cal		97
20) Methylene Chloride	2.85	84	1241	0.248	ug/l #	85
36) 1,1-Dichloropropene	5.65	75	30124	4.744	ug/l #	53
38) Carbon Tetrachloride	5.65	117	40472	6.540	ug/l #	15
49) 1,4-Dioxane	7.71	88	50	0.497	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	158744	24.538	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	158744	62.811	ug/l #	12

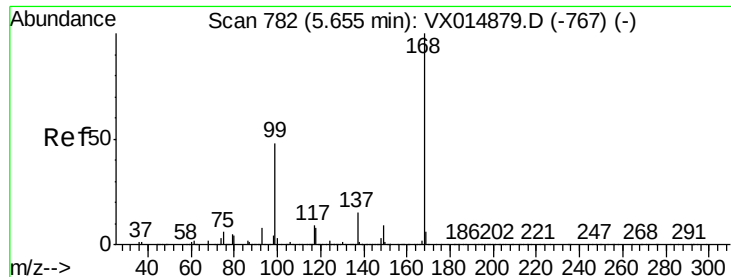
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014944.D

Acq: 14 Feb 2020 14:02

Instrument :

MSVOA_X

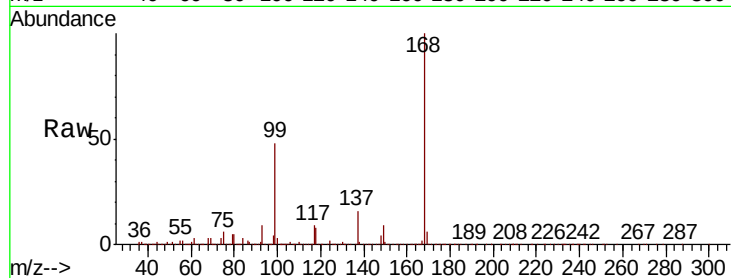
ClientSampleId :

Tot Ion:168 Resp: 460220

Ion Ratio Lower Upper

168 100

99 47.6 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

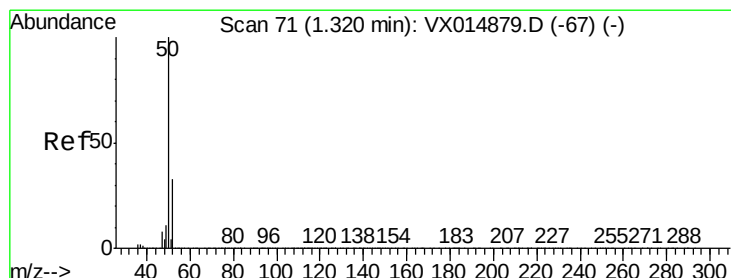
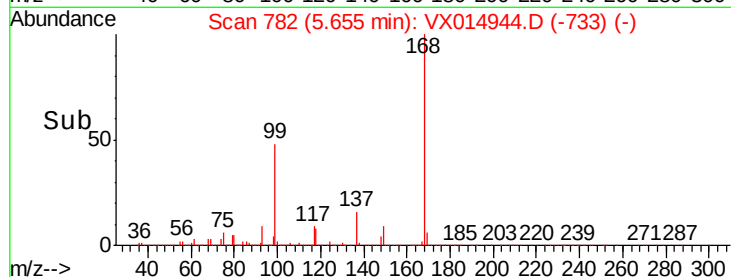
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.321 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014944.D

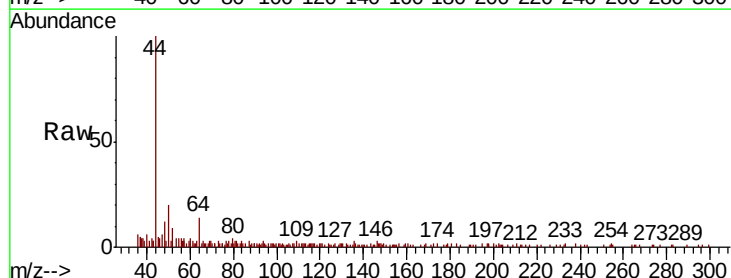
Acq: 14 Feb 2020 14:02

Tgt Ion: 50 Resp: 1586

Ion Ratio Lower Upper

50 100

52 40.7 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

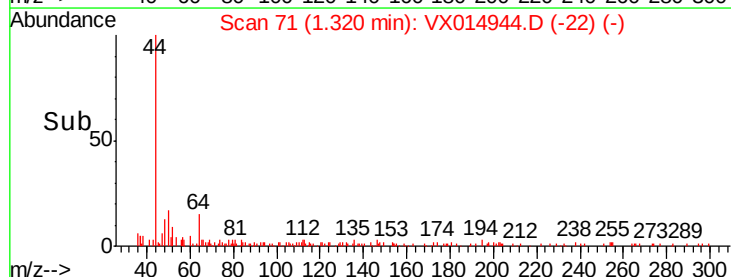
1.32

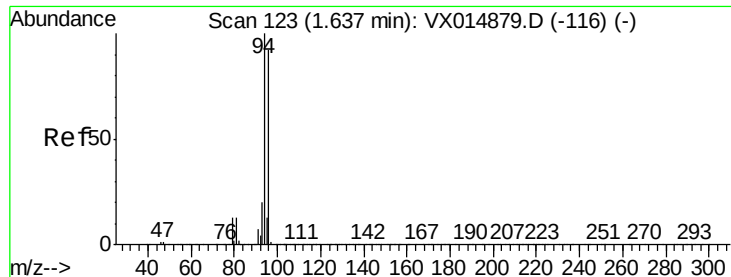
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.495 ug/l

RT: 1.66 min Scan# 127

Delta R.T. 0.02 min

Lab File: VX014944.D

Acq: 14 Feb 2020 14:02

Instrument :

MSVOA_X

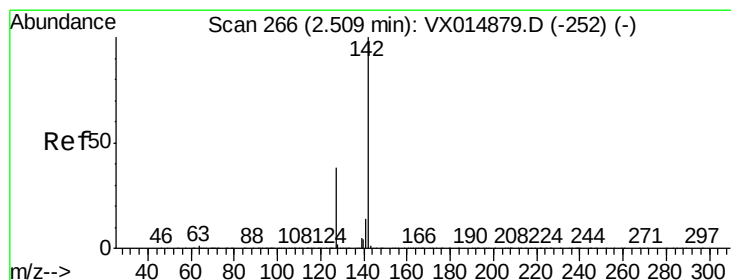
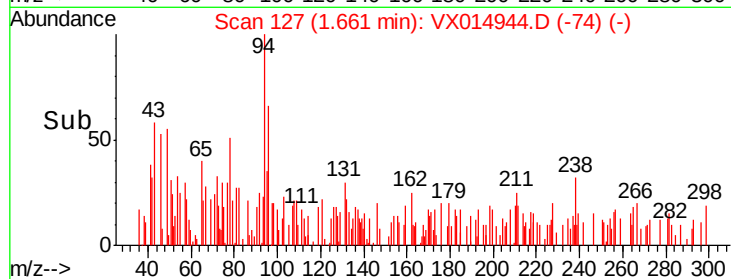
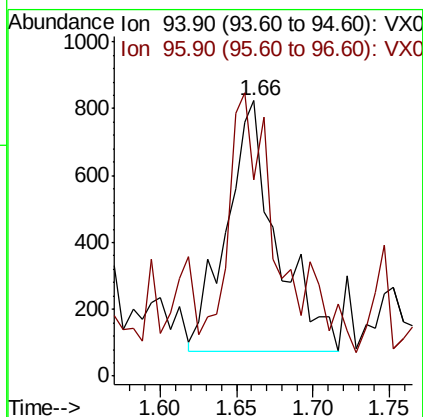
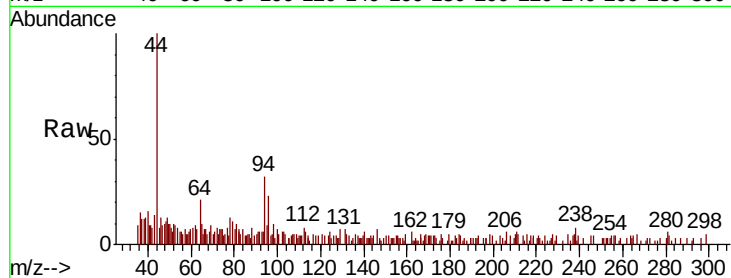
ClientSampled :

Tot Ion: 94 Resp: 1705

Ion Ratio Lower Upper

94 100

96 49.3 73.7 110.5#



#10

Methyl Iodide

Concen: 4.610 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX014944.D

Acq: 14 Feb 2020 14:02

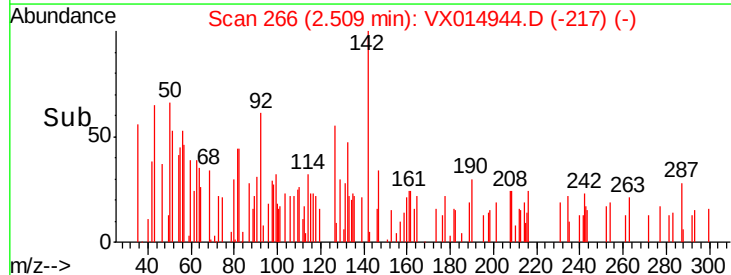
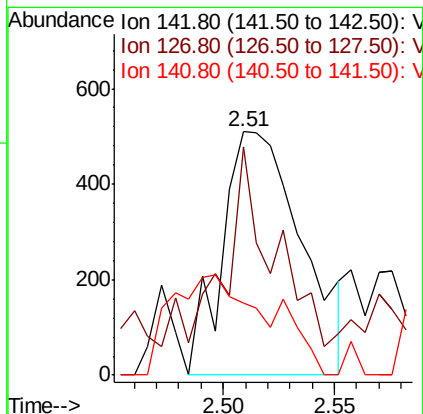
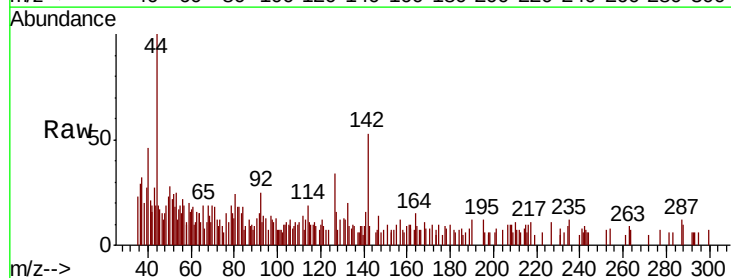
Tgt Ion: 142 Resp: 1272

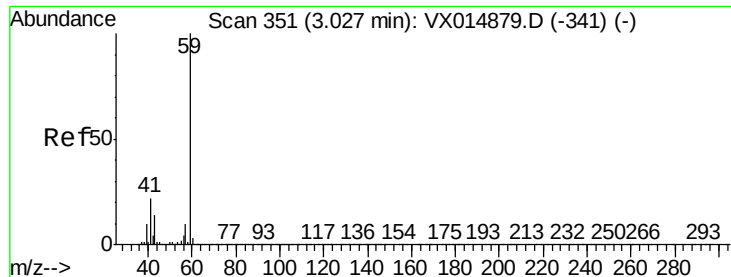
Ion Ratio Lower Upper

142 100

127 60.1 31.1 46.7#

141 50.4 11.3 16.9#

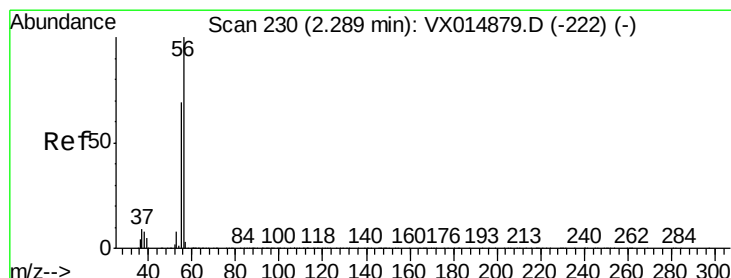
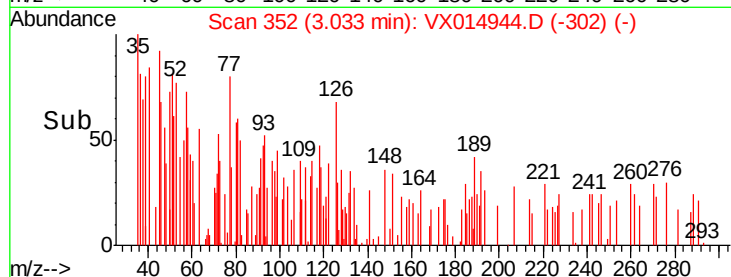
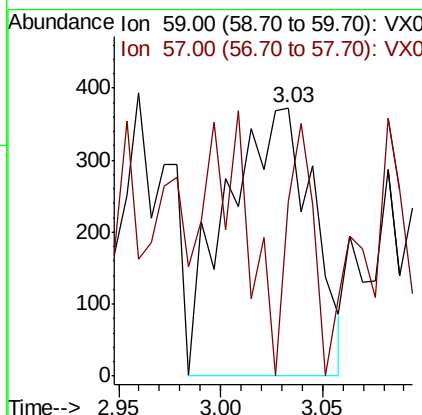
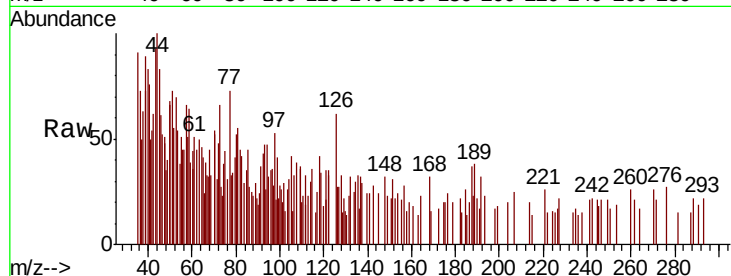




#11
Tert butyl alcohol
Concen: 1.193 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX014944.D
Acq: 14 Feb 2020 14:02

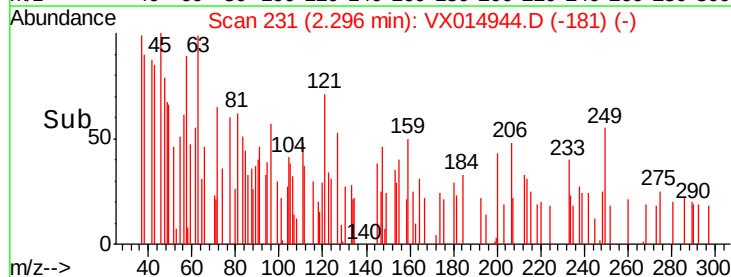
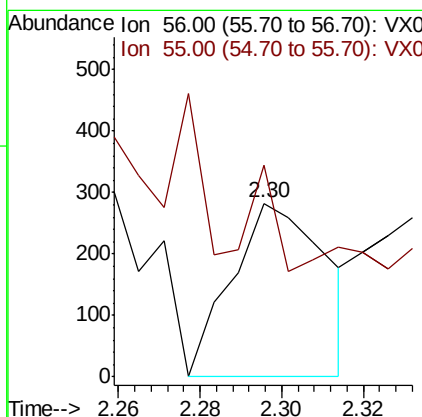
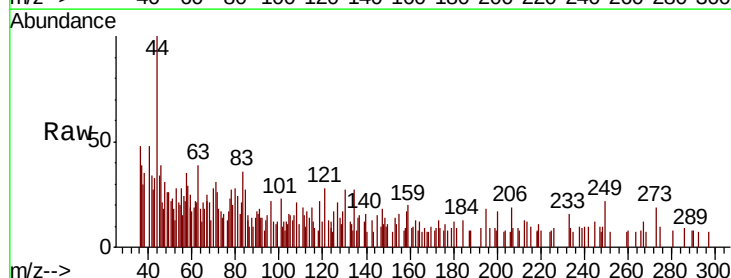
Instrument :
MSVOA_X
ClientSampled :

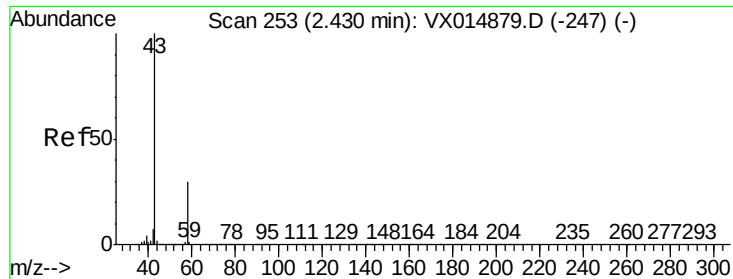
Tot Ion: 59 Resp: 1094
Ion Ratio Lower Upper
59 100
57 27.8 8.2 12.4#



#13
Acrolein
Concen: 0.644 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX014944.D
Acq: 14 Feb 2020 14:02

Tgt Ion: 56 Resp: 450
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.4#

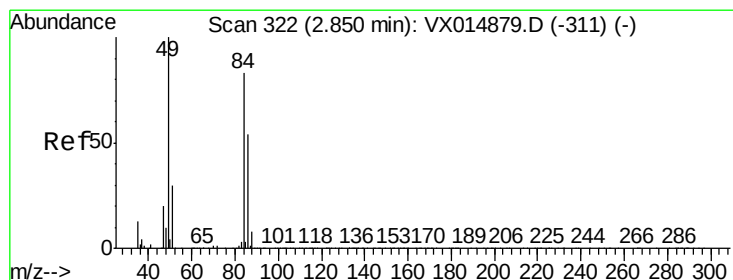
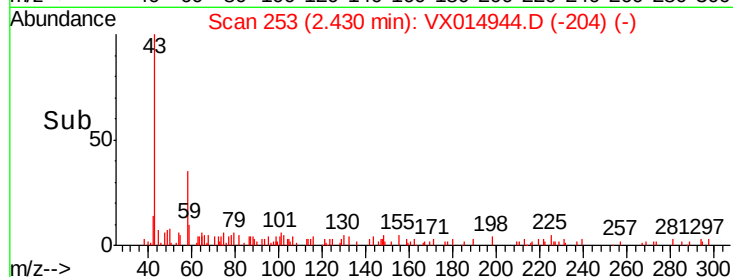
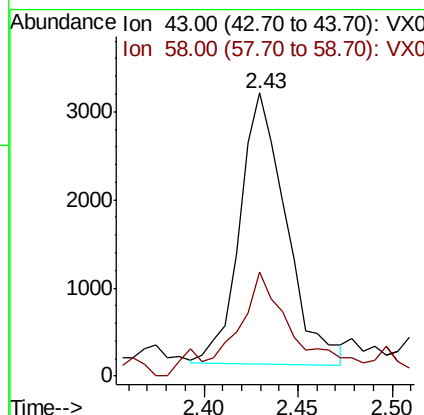
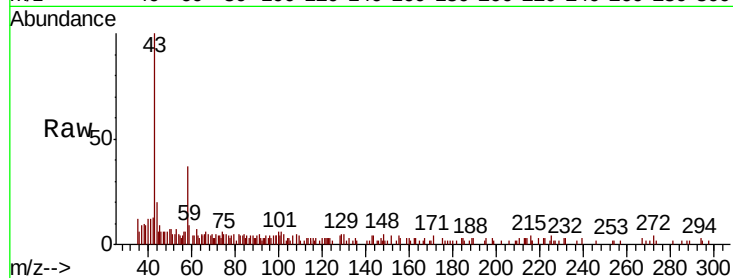




#16
Acetone
Concen: Below Cal
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014944.D
Acq: 14 Feb 2020 14:02

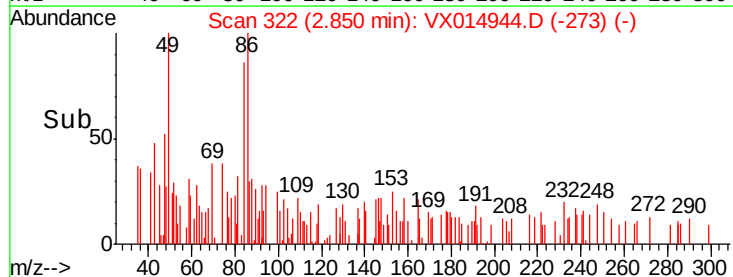
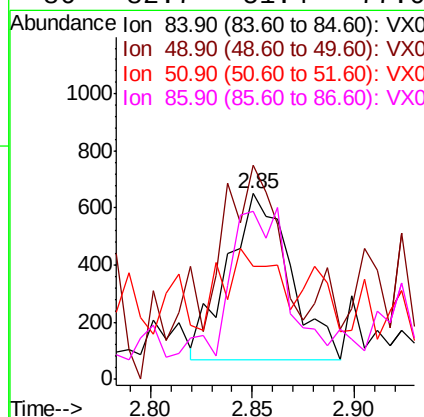
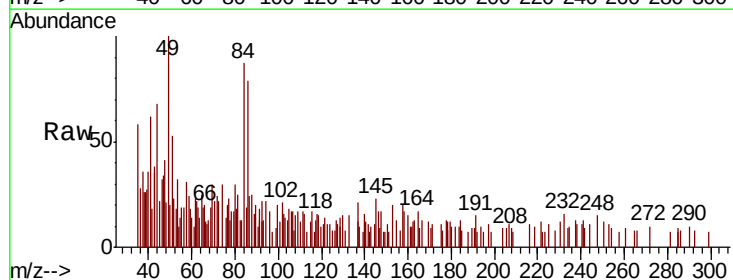
Instrument :
MSVOA_X
ClientSampleId :

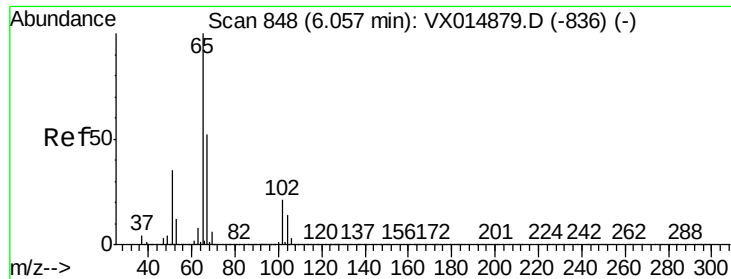
Tot Ion: 43 Resp: 5253
Ion Ratio Lower Upper
43 100
58 31.8 24.1 36.1



#20
Methylene Chloride
Concen: 0.248 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014944.D
Acq: 14 Feb 2020 14:02

Tgt Ion: 84 Resp: 1241
Ion Ratio Lower Upper
84 100
49 106.3 95.6 143.4
51 42.3 29.0 43.6
86 82.7 51.4 77.0#





#33

1,2-Dichloroethane-d4

Concen: 50.113 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX014944.D

Acq: 14 Feb 2020 14:02

Instrument :

MSVOA_X

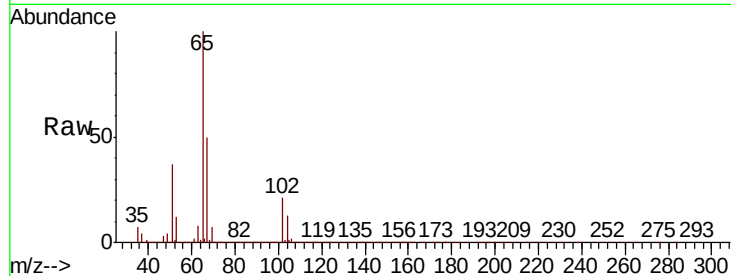
ClientSampleId :

Tot Ion: 65 Resp: 260282

Ion Ratio Lower Upper

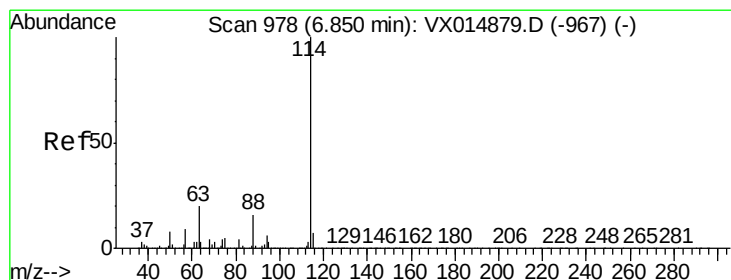
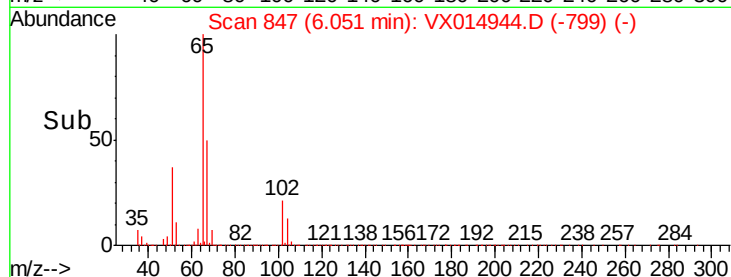
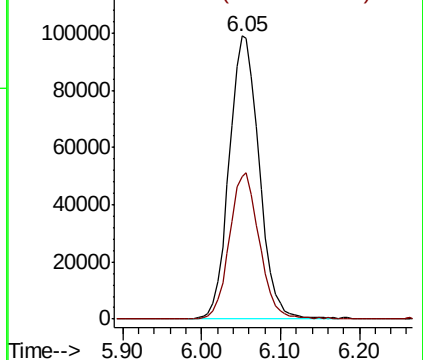
65 100

67 51.0 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014944.D

Acq: 14 Feb 2020 14:02

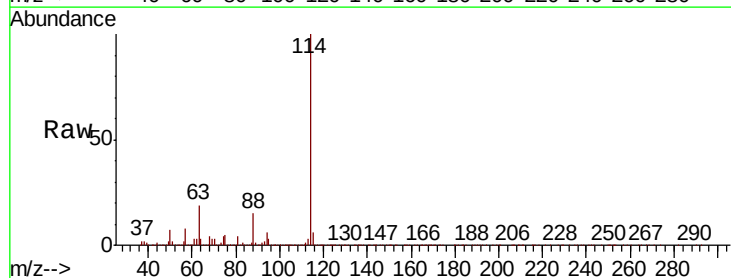
Tgt Ion: 114 Resp: 709888

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.2

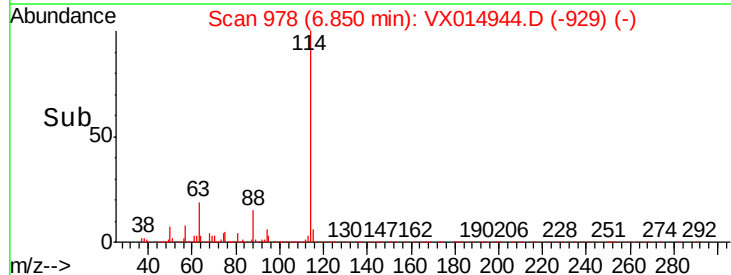
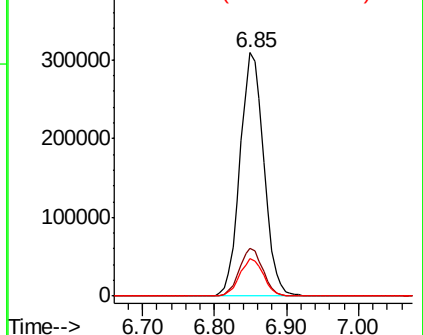
88 15.1 0.0 32.0

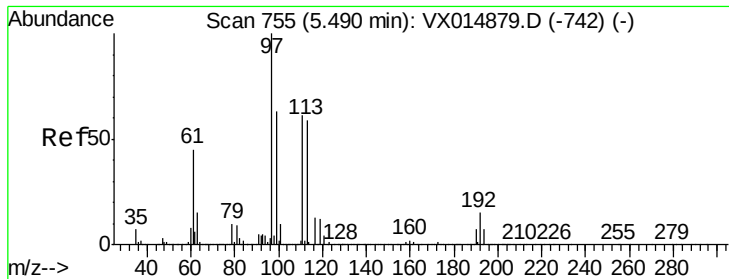


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.388 ug/l

RT: 5.49 min Scan# 755

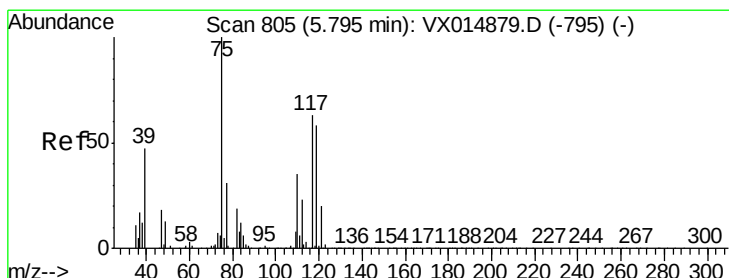
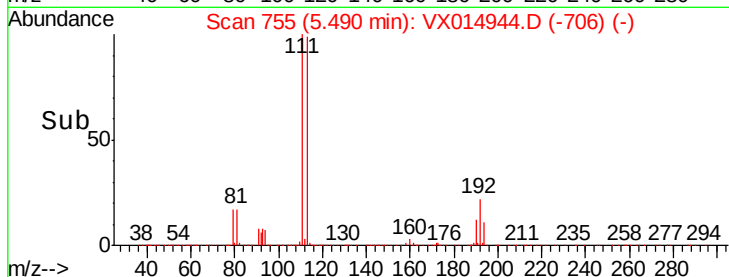
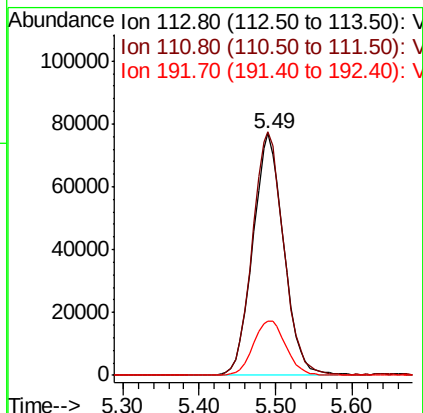
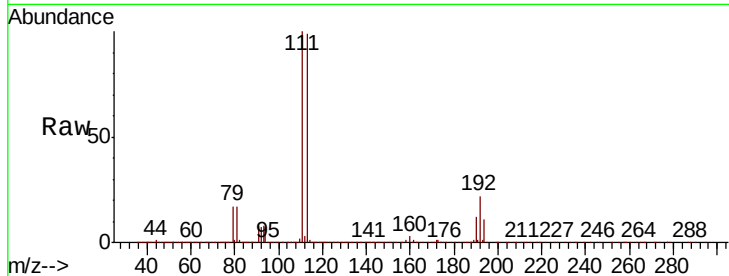
Delta R.T. 0.00 min

Lab File: VX014944.D

Acq: 14 Feb 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	113	Resp:	21538
Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.4	123.6
192	24.0	19.1	28.7



#36

1,1-Dichloropropene

Concen: 4.744 ug/l

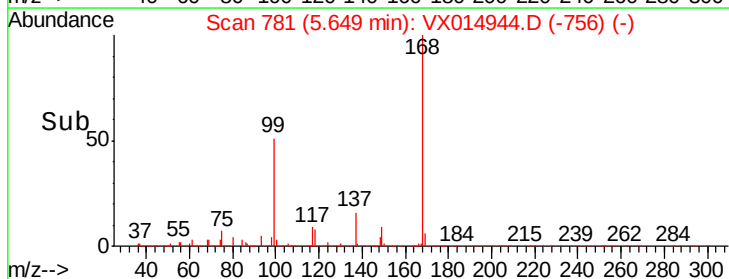
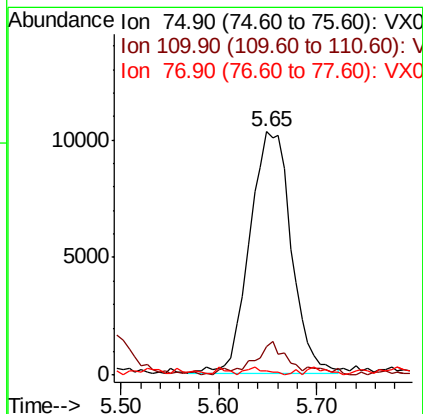
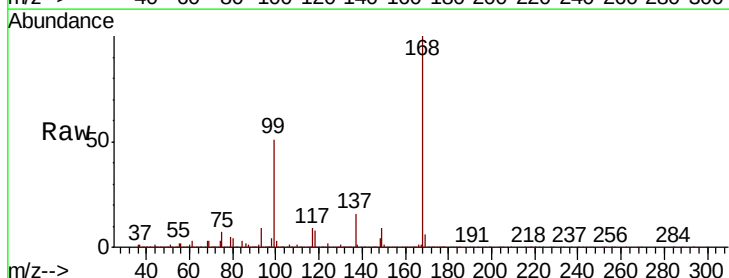
RT: 5.65 min Scan# 781

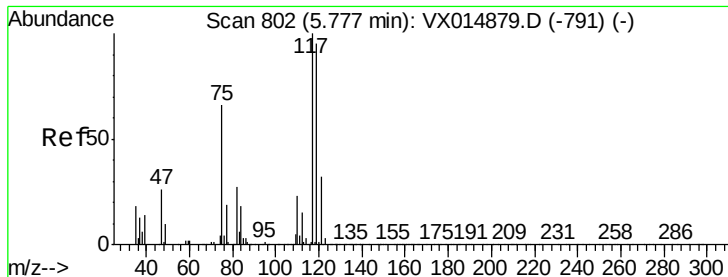
Delta R.T. -0.15 min

Lab File: VX014944.D

Acq: 14 Feb 2020 14:02

Tgt Ion:	75	Resp:	30124
Ion	Ratio	Lower	Upper
75	100		
110	12.0	18.3	54.8#
77	1.7	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.540 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014944.D

Acq: 14 Feb 2020 14:02

Instrument :

MSVOA_X

ClientSampled :

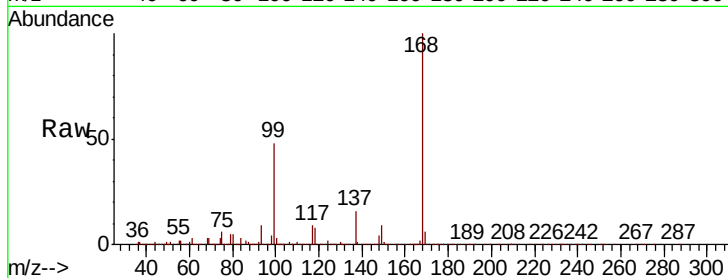
Tot Ion:117 Resp: 40472

Ion Ratio Lower Upper

117 100

119 3.4 76.0 114.0#

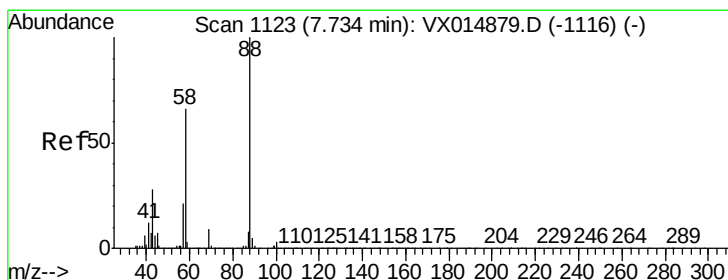
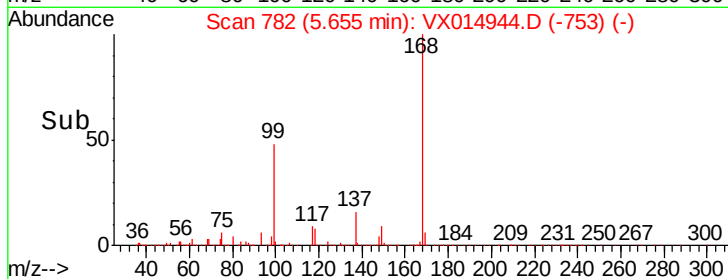
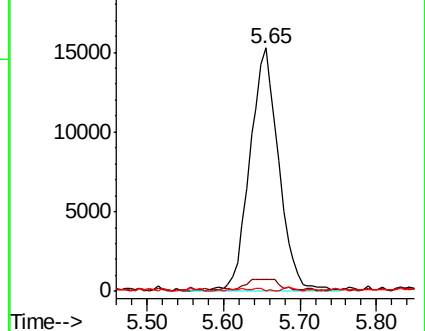
121 0.0 25.4 38.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.497 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.02 min

Lab File: VX014944.D

Acq: 14 Feb 2020 14:02

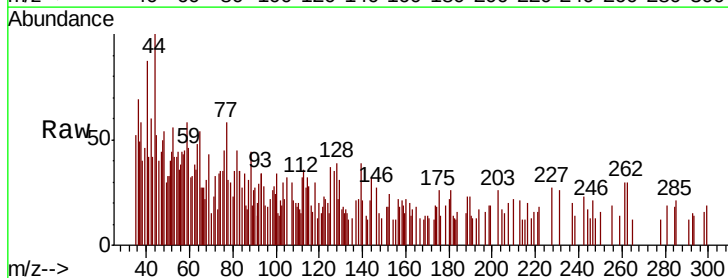
Tgt Ion: 88 Resp: 50

Ion Ratio Lower Upper

88 100

43 0.0 27.0 40.4#

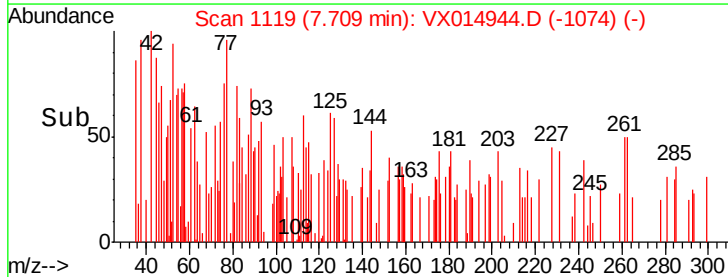
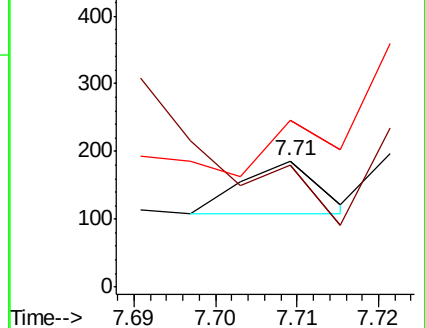
58 1426.0 53.2 79.8#

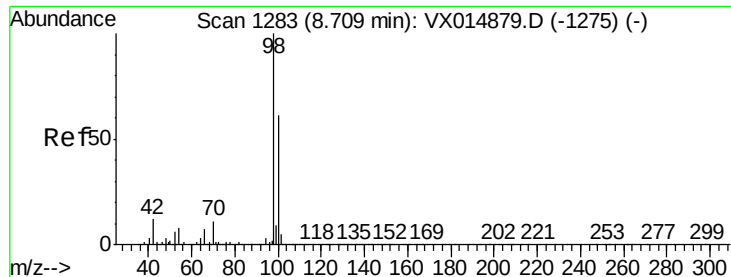


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

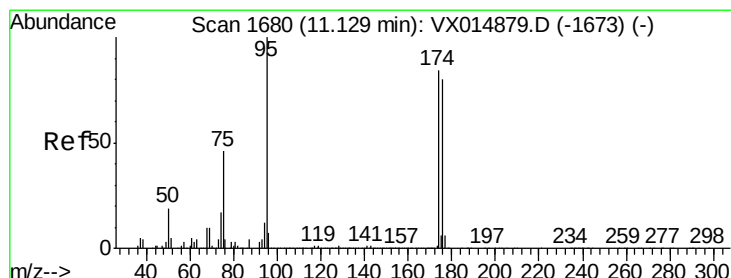
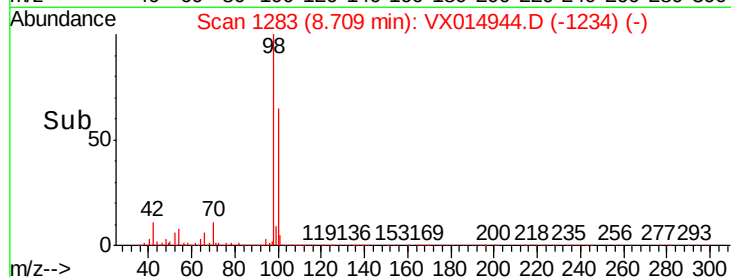
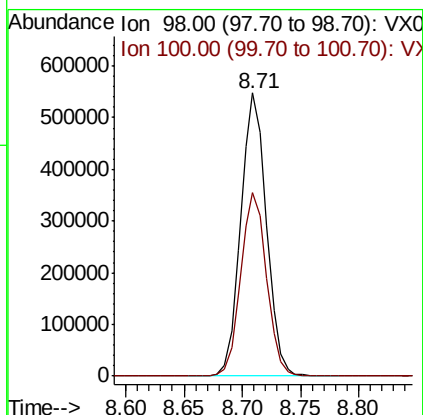
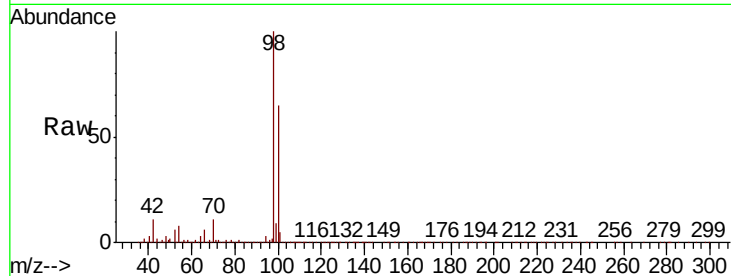




#50
Toluene-d8
Concen: 50.594 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014944.D
Acq: 14 Feb 2020 14:02

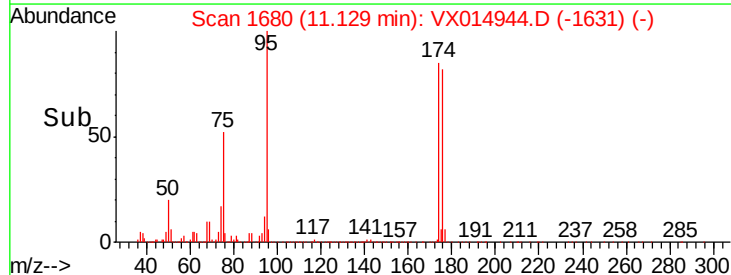
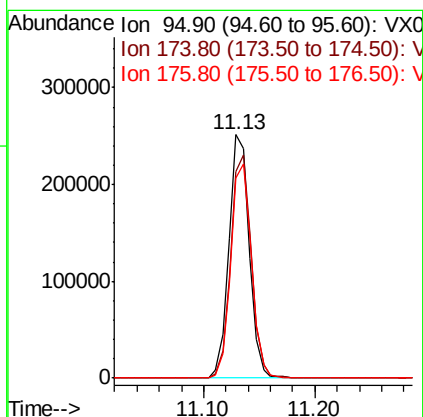
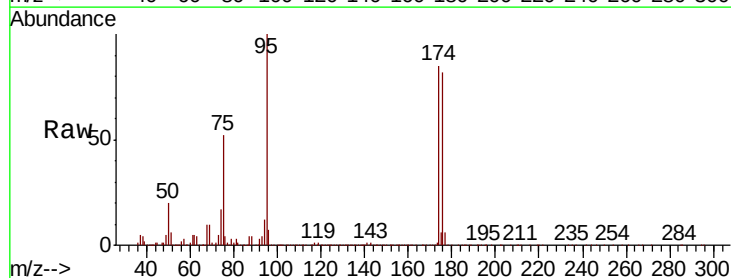
Instrument :
MSVOA_X
ClientSampleId :

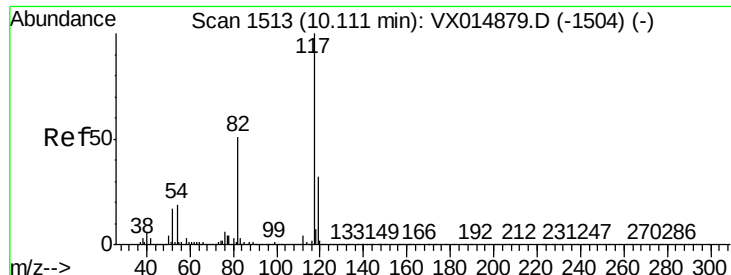
Tot Ion: 98 Resp: 842832
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 52.909 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014944.D
Acq: 14 Feb 2020 14:02

Tgt Ion: 95 Resp: 317503
Ion Ratio Lower Upper
95 100
174 92.9 0.0 183.0
176 89.7 0.0 178.0

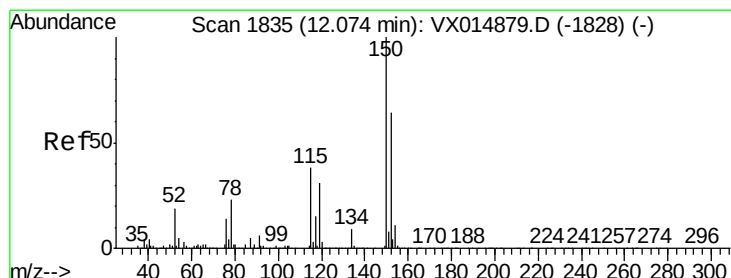
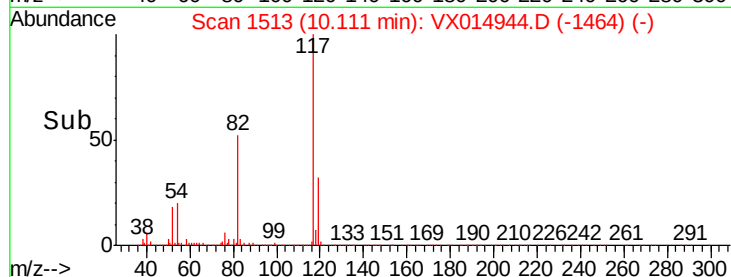
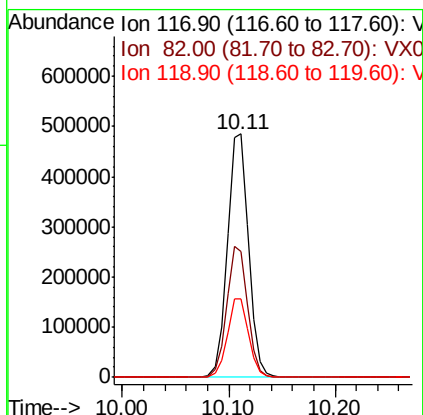
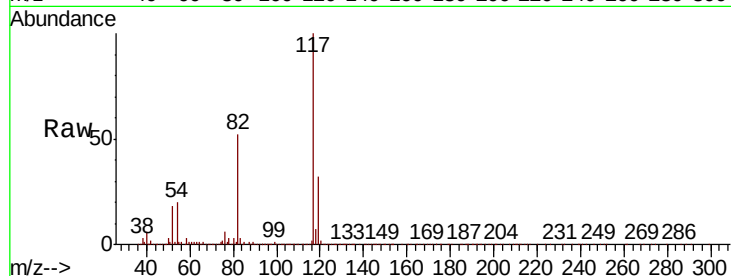




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014944.D
Acq: 14 Feb 2020 14:02

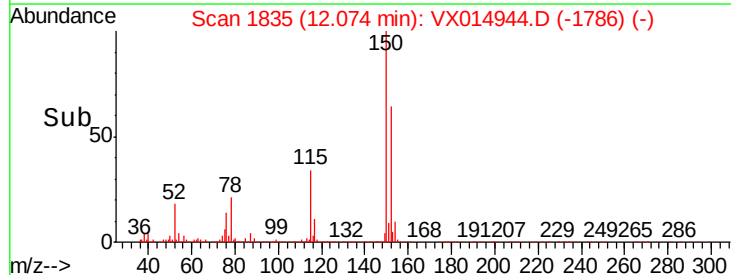
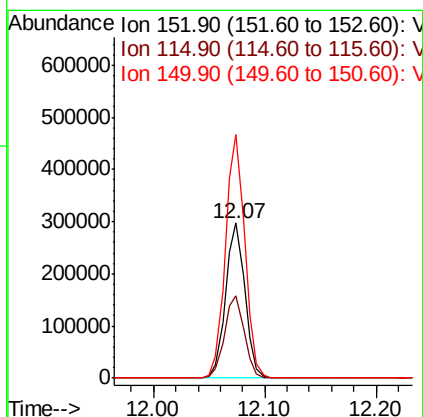
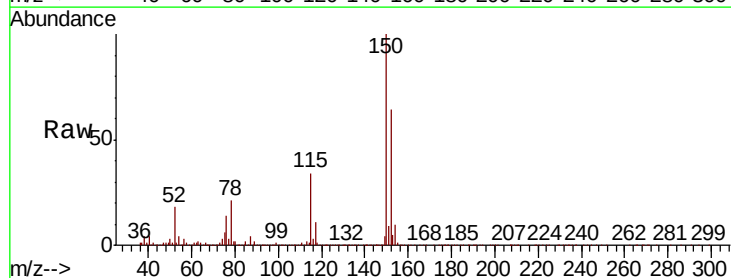
Instrument :
MSVOA_X
ClientSampleId :

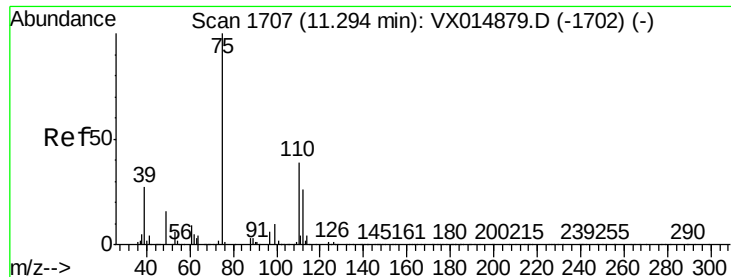
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	40.5	60.7
119	32.2	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014944.D
Acq: 14 Feb 2020 14:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.0	38.6	116.0
150	156.5	0.0	349.0





#76

1,2,3-Trichloropropane

Concen: 24.538 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014944.D

Acq: 14 Feb 2020 14:02

Instrument :

MSVOA_X

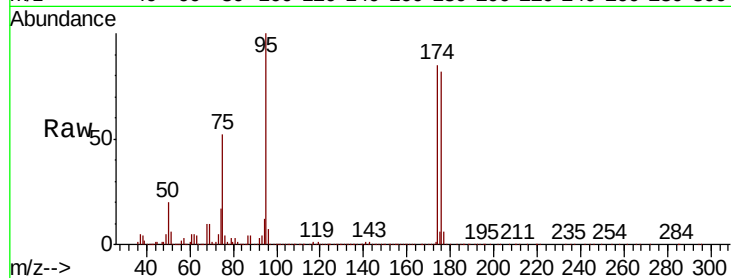
ClientSampled :

Tot Ion: 75 Resp: 158744

Ion Ratio Lower Upper

75 100

77 1.2 18.4 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

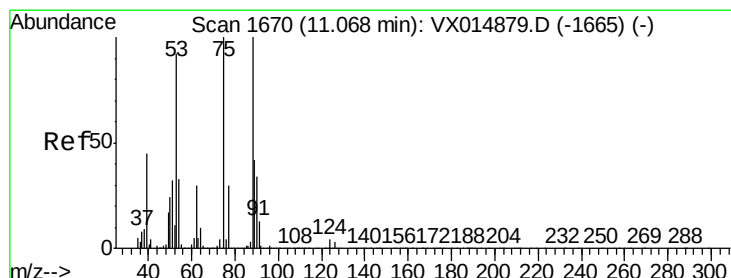
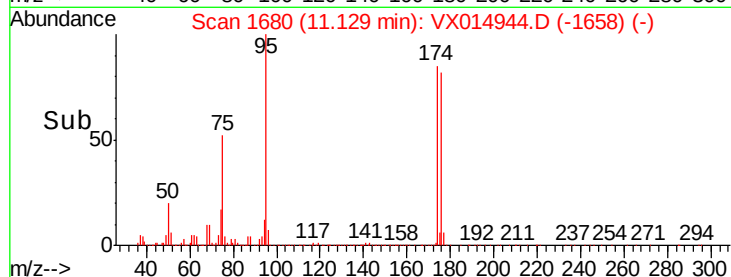
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 62.811 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014944.D

Acq: 14 Feb 2020 14:02

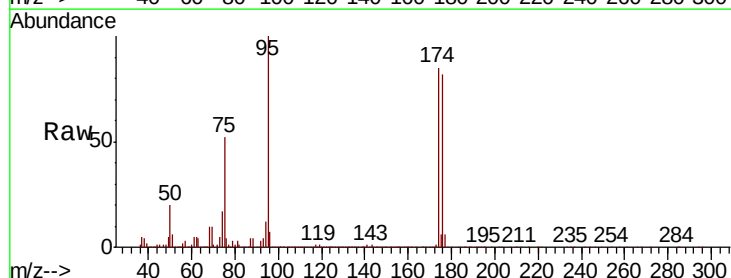
Tgt Ion: 75 Resp: 158744

Ion Ratio Lower Upper

75 100

53 0.1 76.2 114.2#

89 0.0 35.8 53.6#



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

150000

100000

50000

0

Time-->

