

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021920\
 Data File : VX014963.D
 Acq On : 19 Feb 2020 13:08
 Operator : JC/SP
 Sample : L1579-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 20 00:23:16 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	430381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	672922	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	641255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	334903	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	242951	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
35) Dibromofluoromethane	5.49	113	206207	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
50) Toluene-d8	8.71	98	806014	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
62) 4-Bromofluorobenzene	11.13	95	297735	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	

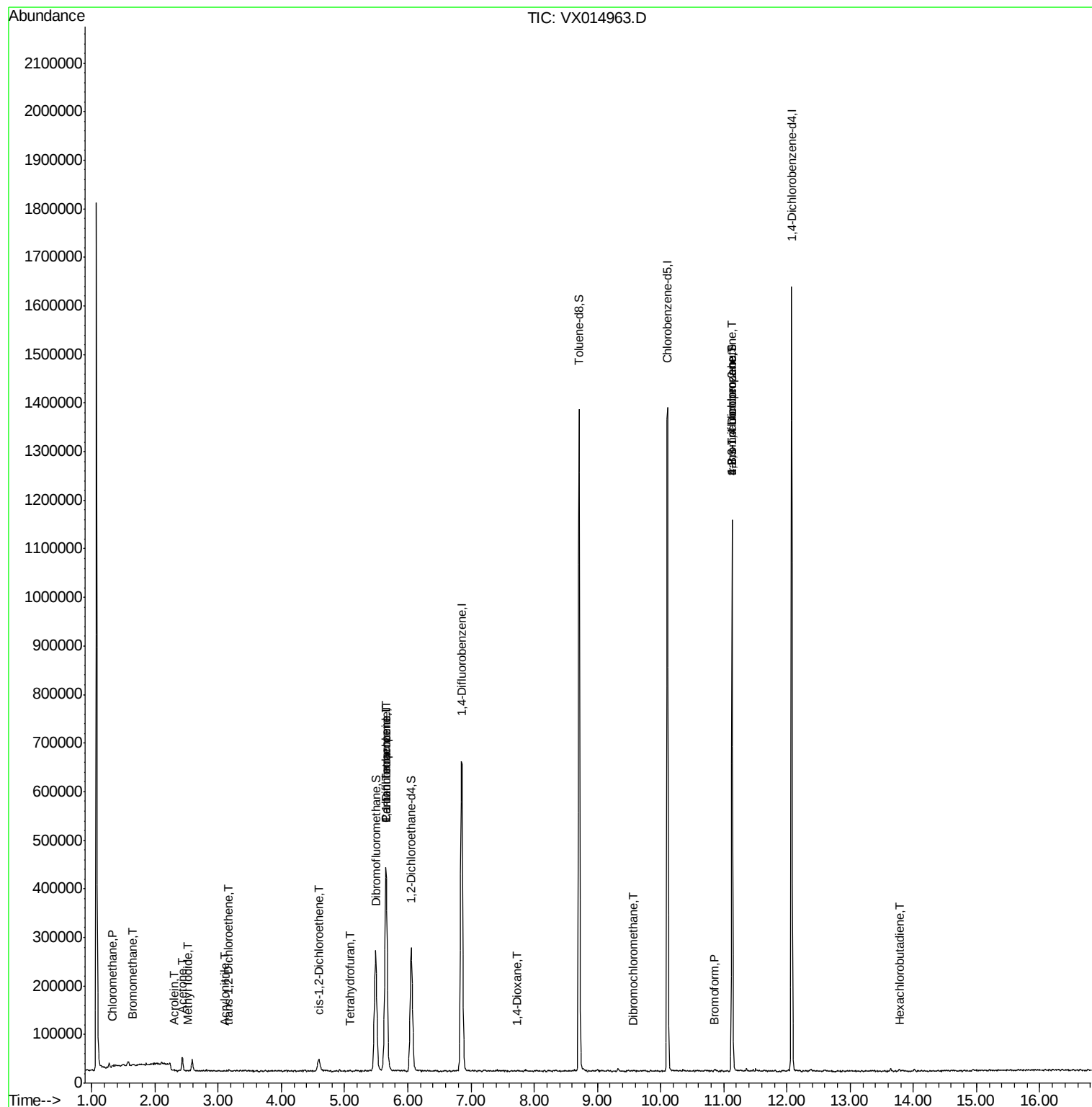
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1184	0.256	ug/l #	75
5) Bromomethane	1.66	94	1105	0.343	ug/l #	62
10) Methyl Iodide	2.52	142	1882	4.750	ug/l #	86
13) Acrolein	2.30	56	345	0.528	ug/l #	1
15) Acrylonitrile	3.11	53	447	0.206	ug/l #	68
16) Acetone	2.43	43	29642	0.453	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	959	0.220	ug/l #	21
27) cis-1,2-Dichloroethene	4.59	96	15847	3.257	ug/l	90
29) Tetrahydrofuran	5.10	42	665	0.354	ug/l #	32
36) 1,1-Dichloropropene	5.65	75	27702	4.602	ug/l #	51
38) Carbon Tetrachloride	5.65	117	37322	6.362	ug/l #	15
49) 1,4-Dioxane	7.74	88	415	4.355	ug/l #	73
60) Dibromochloromethane	9.57	129	1028	0.207	ug/l	68
71) Bromoform	10.85	173	1482	0.376	ug/l #	92
76) 1,2,3-Trichloropropane	11.13	75	149802	24.736	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	149802	63.316	ug/l #	12
94) Hexachlorobutadiene	13.78	225	754	0.205	ug/l	82

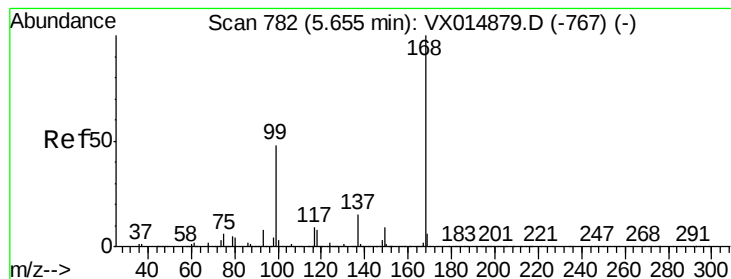
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 10 12:09:20 2020
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: VX014963.D

Acq: 19 Feb 2020 13:08

Instrument :

MSVOA_X

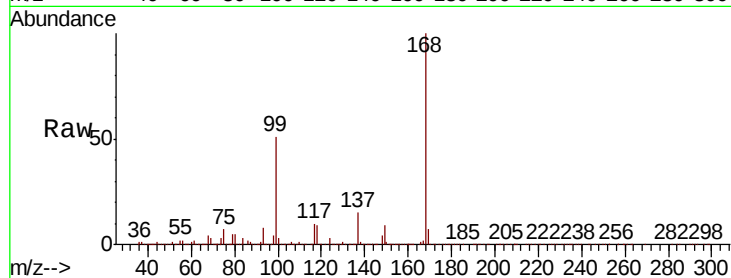
ClientSampleId :

Tot Ion:168 Resp: 430381

Ion Ratio Lower Upper

168 100

99 50.7 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

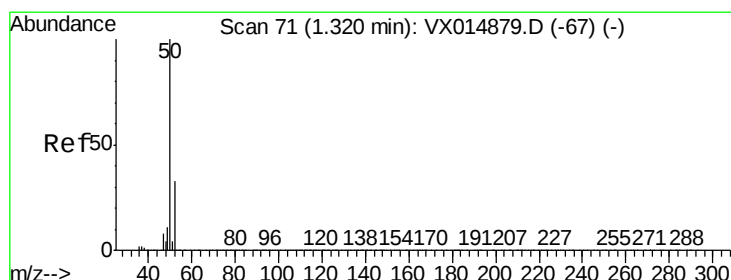
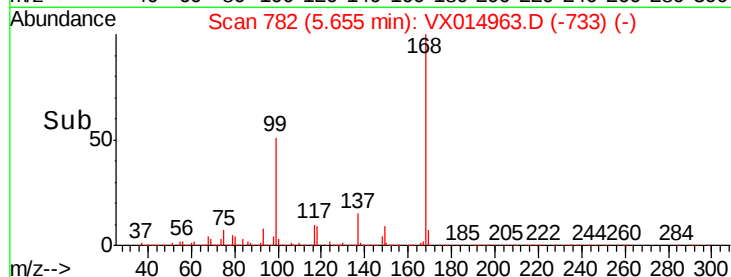
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.256 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014963.D

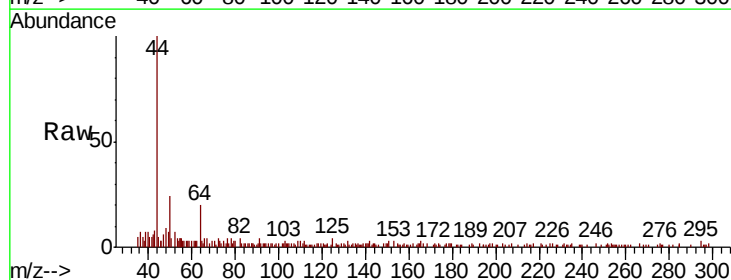
Acq: 19 Feb 2020 13:08

Tgt Ion: 50 Resp: 1184

Ion Ratio Lower Upper

50 100

52 18.7 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

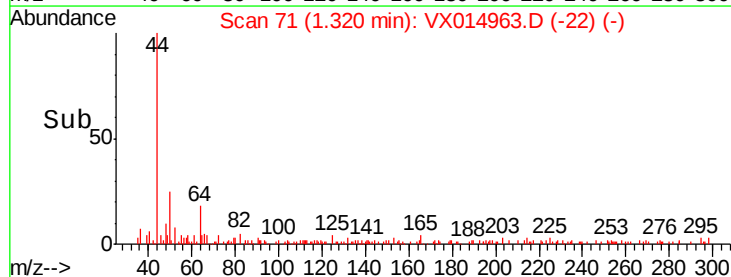
1500

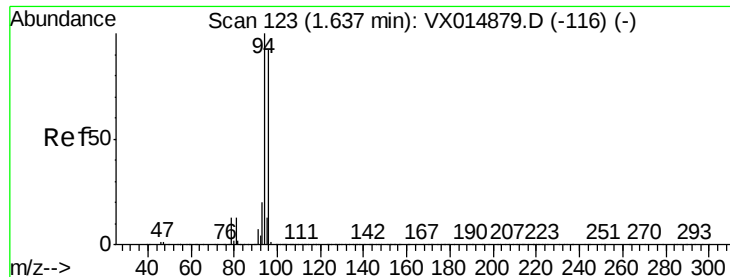
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.343 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX014963.D

Acq: 19 Feb 2020 13:08

Instrument :

MSVOA_X

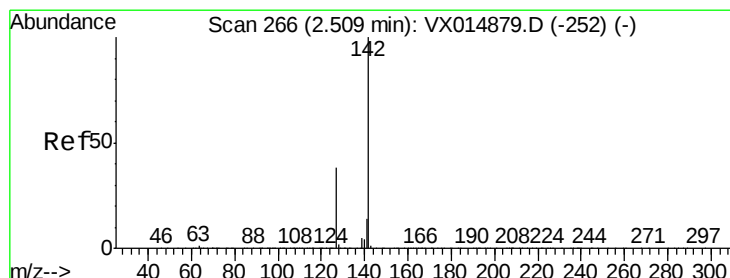
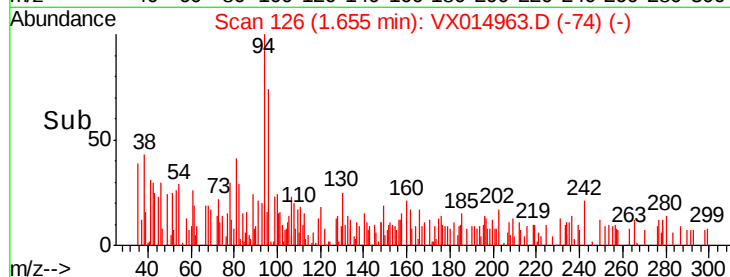
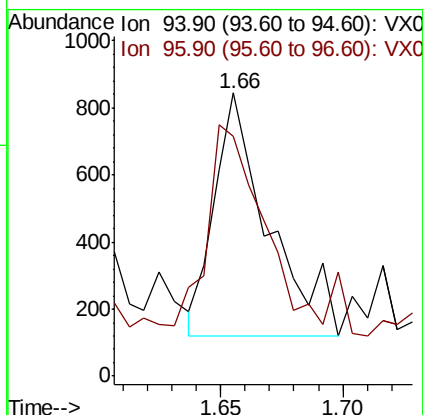
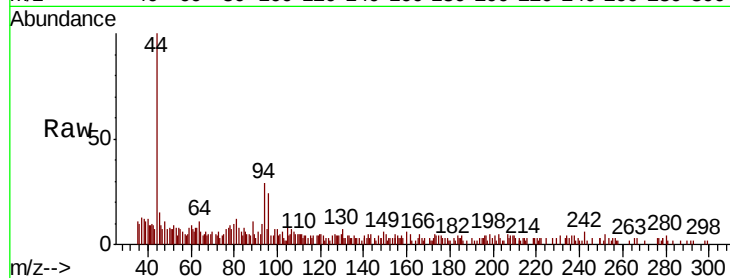
ClientSampled :

Tot Ion: 94 Resp: 1105

Ion Ratio Lower Upper

94 100

96 56.1 73.7 110.5#



#10

Methyl Iodide

Concen: 4.750 ug/l

RT: 2.52 min Scan# 268

Delta R.T. 0.01 min

Lab File: VX014963.D

Acq: 19 Feb 2020 13:08

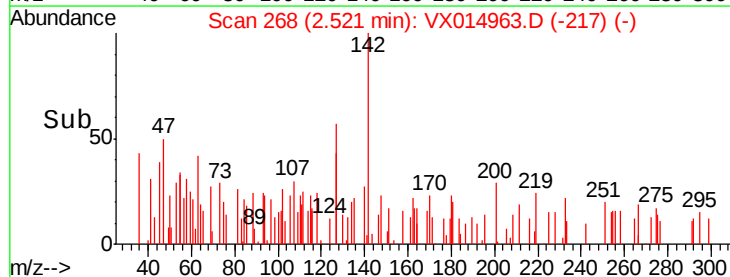
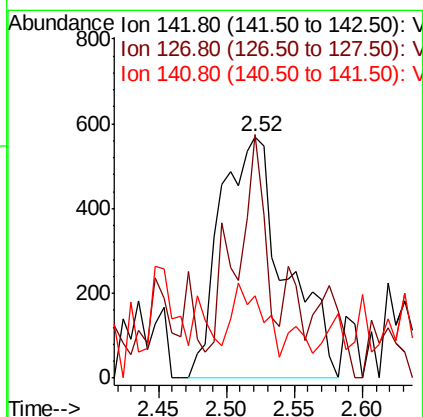
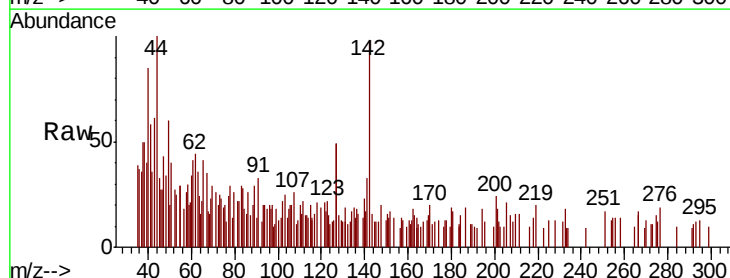
Tgt Ion: 142 Resp: 1882

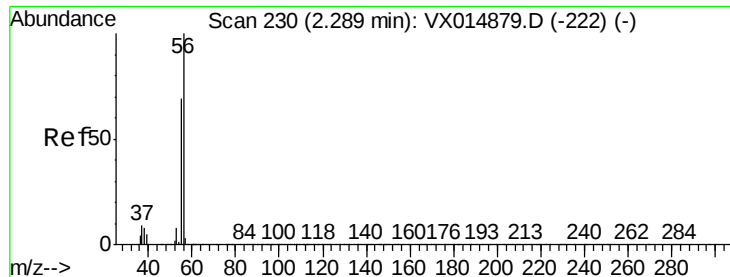
Ion Ratio Lower Upper

142 100

127 49.5 31.1 46.7#

141 15.5 11.3 16.9

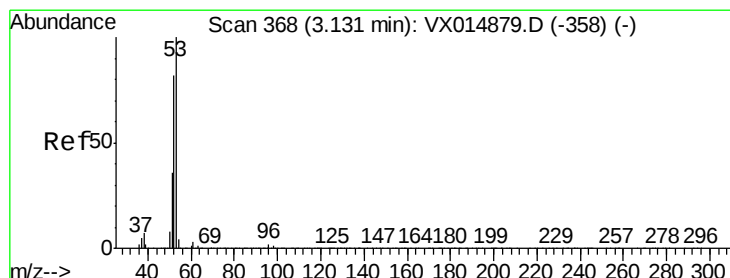
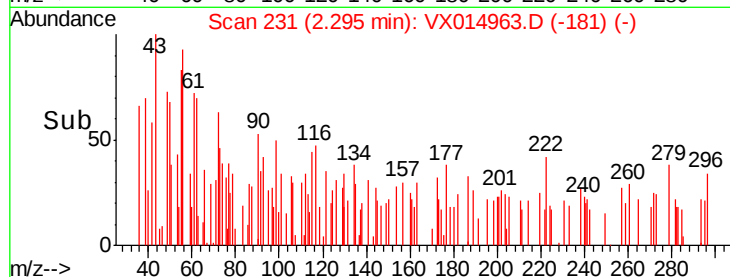
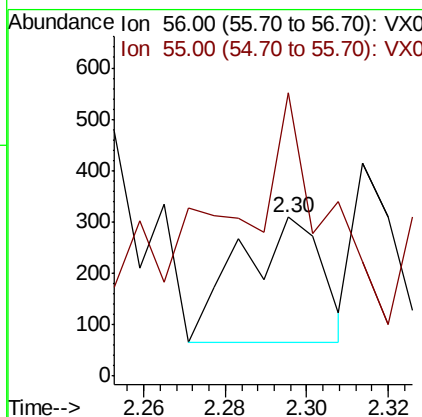
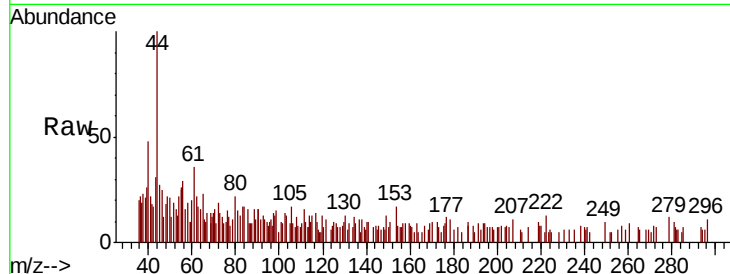




#13
Acrolein
Concen: 0.528 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX014963.D
Acq: 19 Feb 2020 13:08

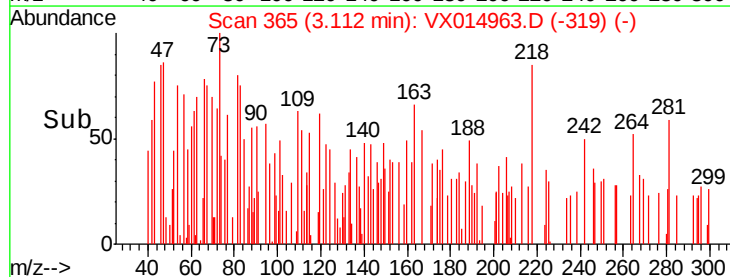
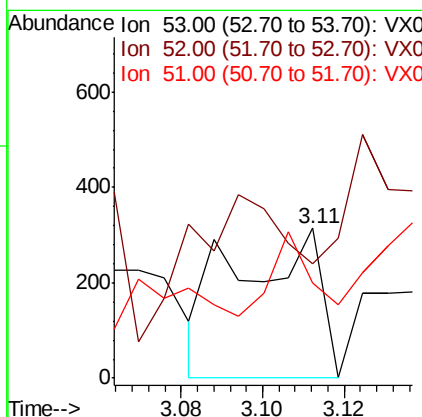
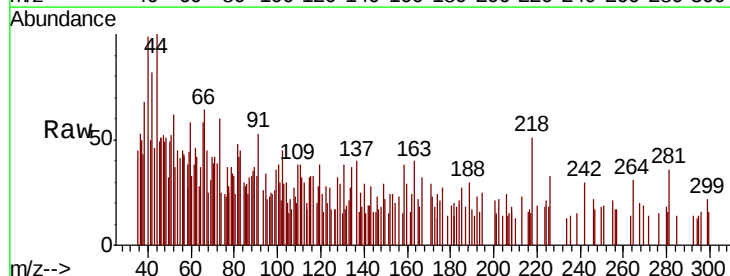
Instrument :
MSVOA_X
ClientSampleId :

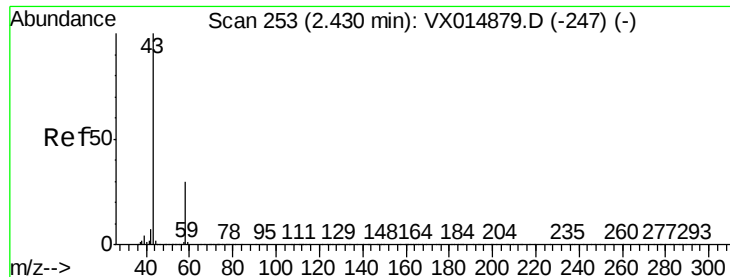
Tot Ion: 56 Resp: 345
Ion Ratio Lower Upper
56 100
55 221.4 55.0 82.4#



#15
Acrylonitrile
Concen: 0.206 ug/l
RT: 3.11 min Scan# 365
Delta R.T. -0.02 min
Lab File: VX014963.D
Acq: 19 Feb 2020 13:08

Tgt Ion: 53 Resp: 447
Ion Ratio Lower Upper
53 100
52 121.5 65.8 98.6#
51 33.8 29.1 43.7





#16

Acetone

Concen: 0.453 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014963.D

Acq: 19 Feb 2020 13:08

Instrument :

MSVOA_X

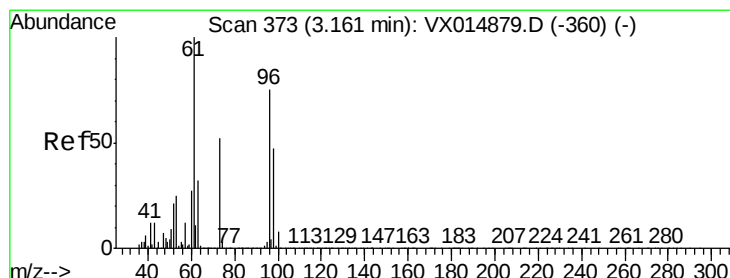
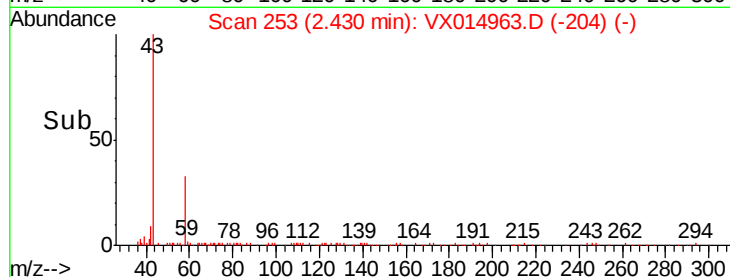
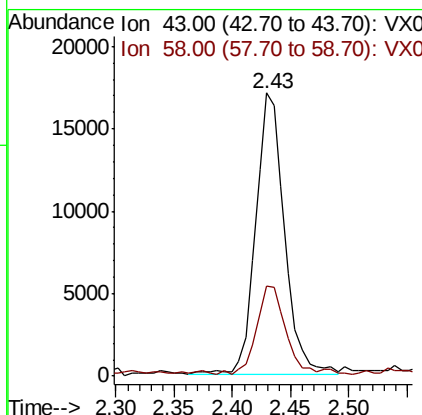
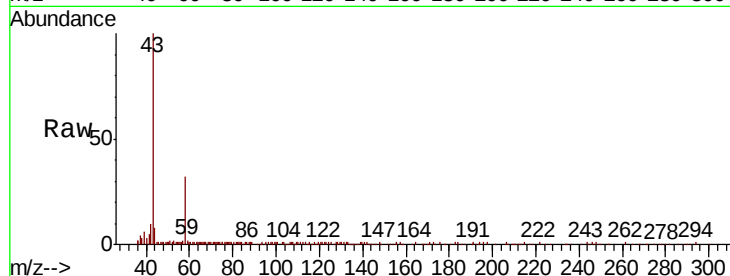
ClientSampleId :

Tot Ion: 43 Resp: 29642

Ion Ratio Lower Upper

43 100

58 31.3 24.1 36.1



#21

trans-1,2-Dichloroethene

Concen: 0.220 ug/l

RT: 3.17 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX014963.D

Acq: 19 Feb 2020 13:08

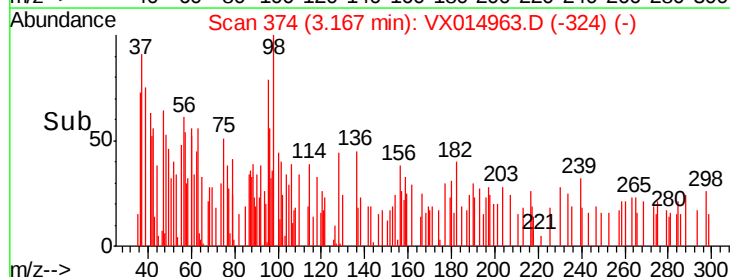
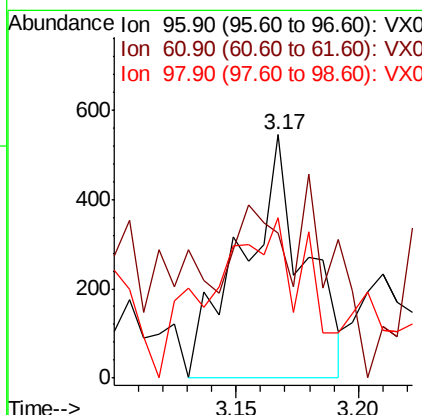
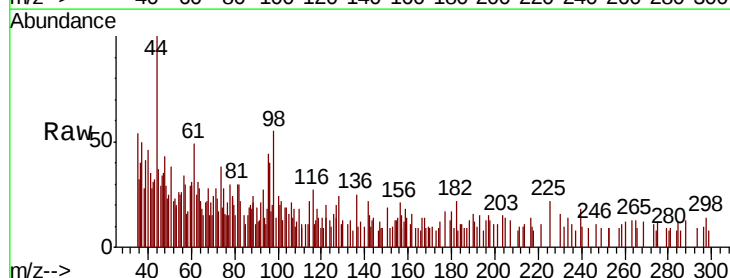
Tgt Ion: 96 Resp: 959

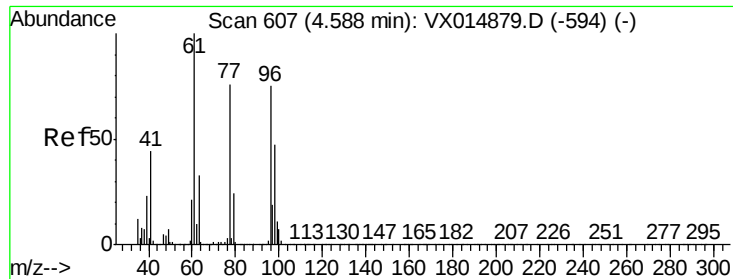
Ion Ratio Lower Upper

96 100

61 6.8 106.9 160.3#

98 47.6 50.7 76.1#





#27

cis-1,2-Dichloroethene

Concen: 3.257 ug/l

RT: 4.59 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX014963.D

Acq: 19 Feb 2020 13:08

Instrument :

MSVOA_X

ClientSampled :

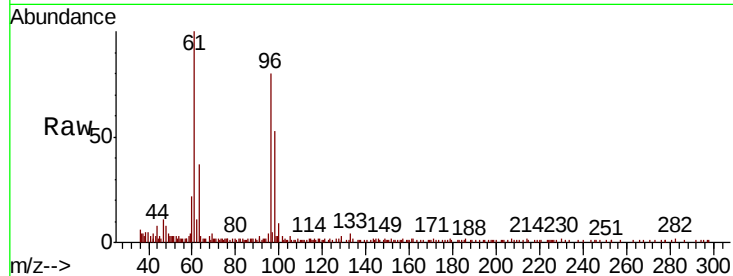
Tot Ion: 96 Resp: 15847

Ion Ratio Lower Upper

96 100

61 130.6 0.0 286.2

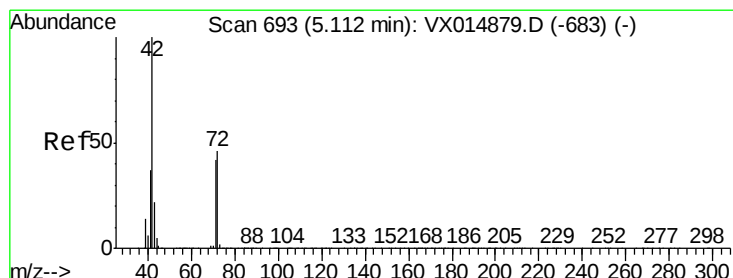
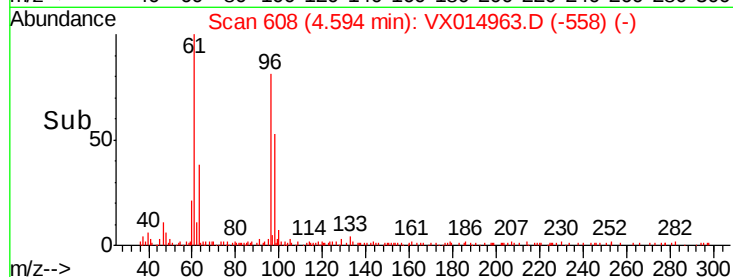
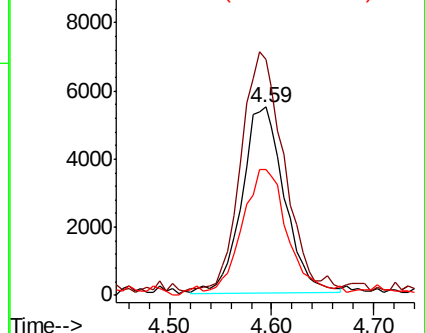
98 73.8 0.0 131.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#29

Tetrahydrofuran

Concen: 0.354 ug/l

RT: 5.10 min Scan# 691

Delta R.T. -0.01 min

Lab File: VX014963.D

Acq: 19 Feb 2020 13:08

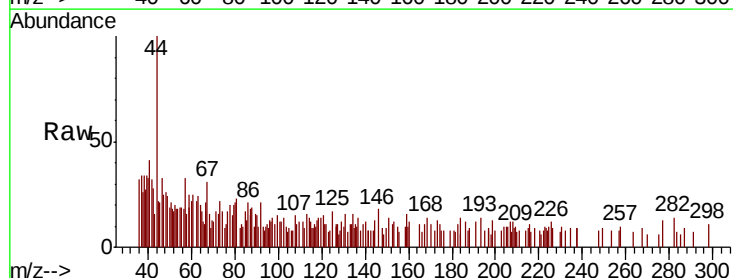
Tgt Ion: 42 Resp: 665

Ion Ratio Lower Upper

42 100

72 0.0 36.9 55.3#

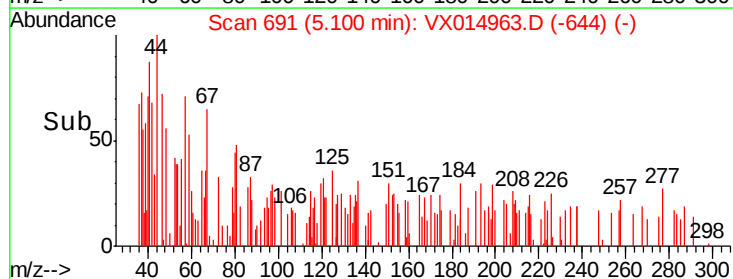
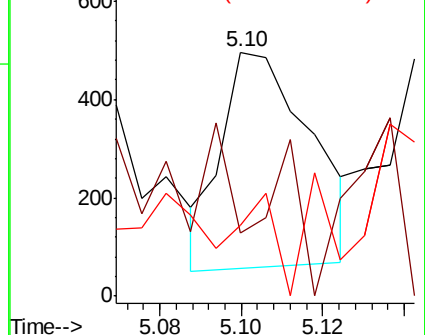
71 0.0 34.1 51.1#

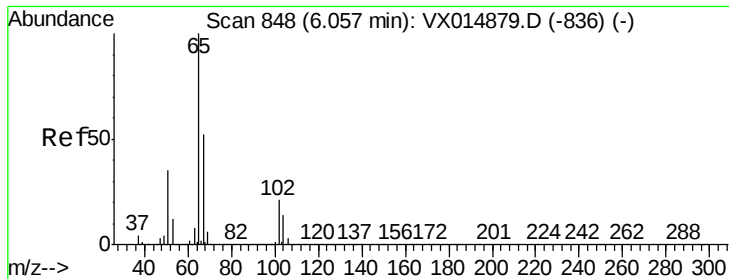


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.019 ug/l

RT: 6.06 min Scan# 848

Delta R.T. -0.00 min

Lab File: VX014963.D

Acq: 19 Feb 2020 13:08

Instrument :

MSVOA_X

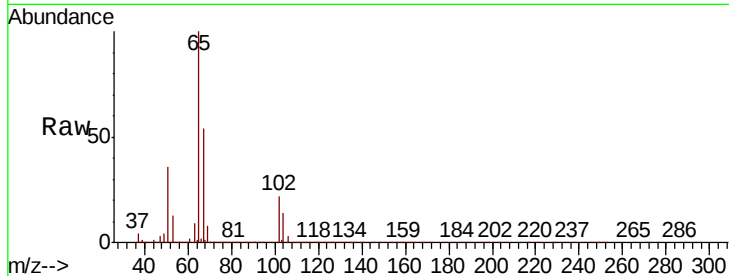
ClientSampleId :

Tot Ion: 65 Resp: 242951

Ion Ratio Lower Upper

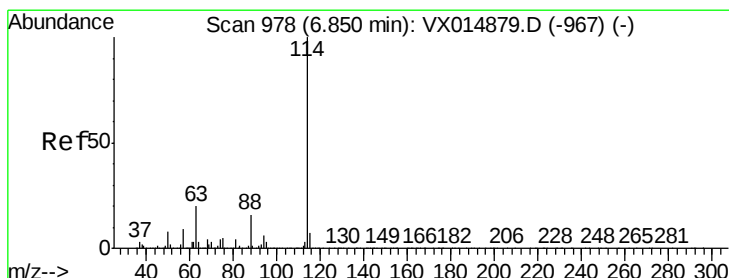
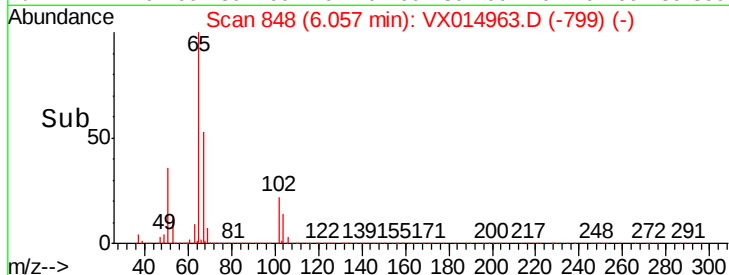
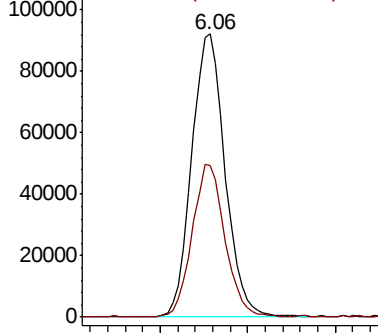
65 100

67 53.4 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: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX014963.D

Acq: 19 Feb 2020 13:08

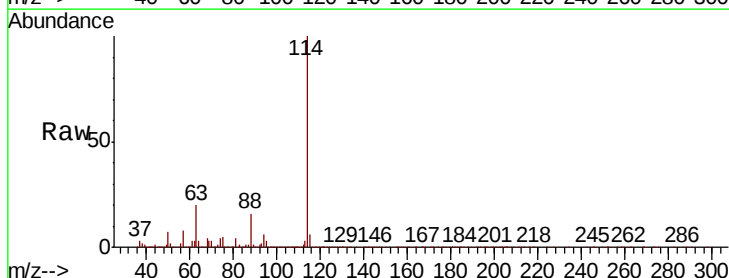
Tgt Ion: 114 Resp: 672922

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.2

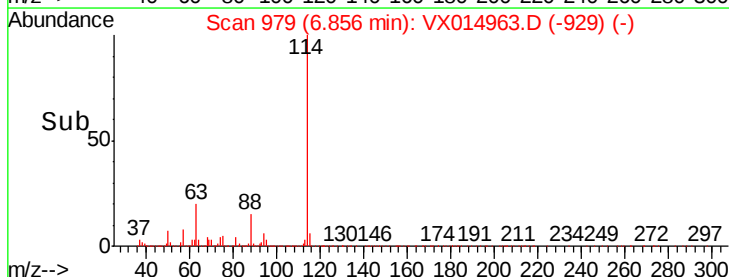
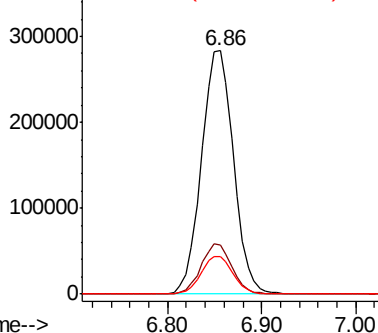
88 15.5 0.0 32.0

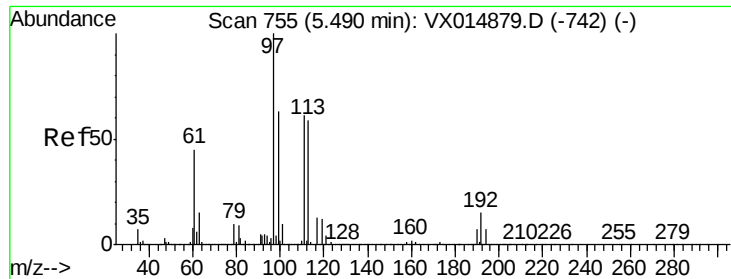


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.845 ug/l

RT: 5.49 min Scan# 755

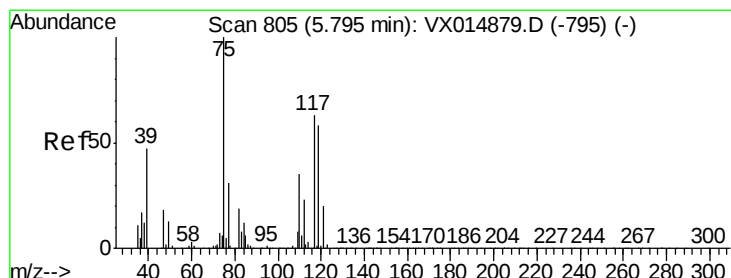
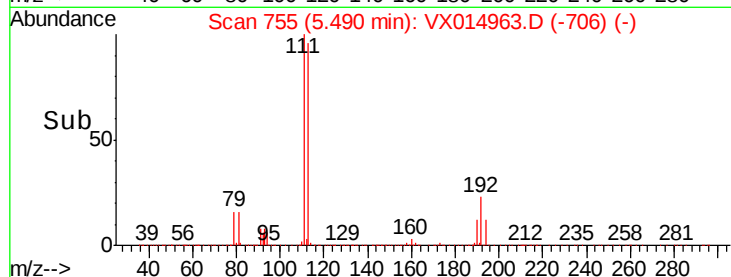
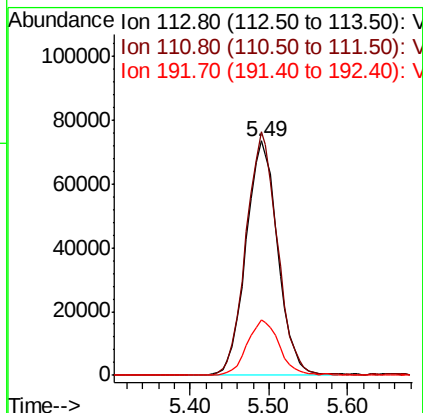
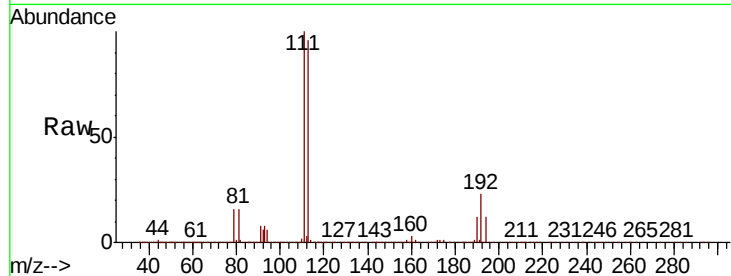
Delta R.T. -0.00 min

Lab File: VX014963.D

Acq: 19 Feb 2020 13:08

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	113	Resp:	206207
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.4	123.6
192	23.2	19.1	28.7



#36

1,1-Dichloropropene

Concen: 4.602 ug/l

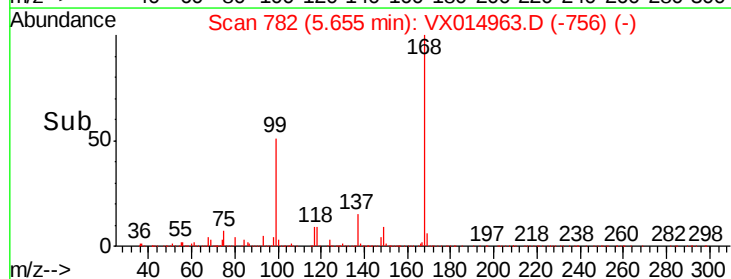
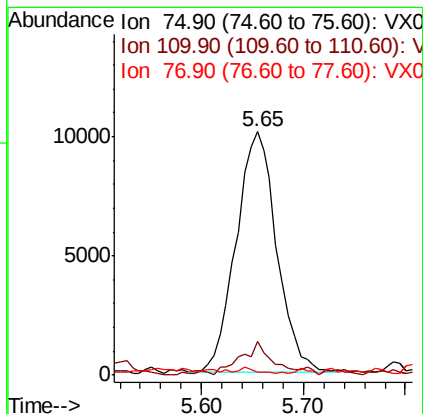
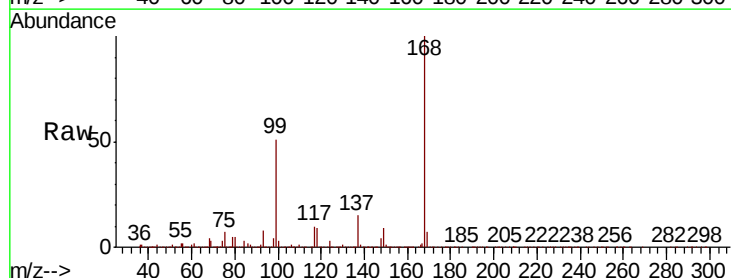
RT: 5.65 min Scan# 782

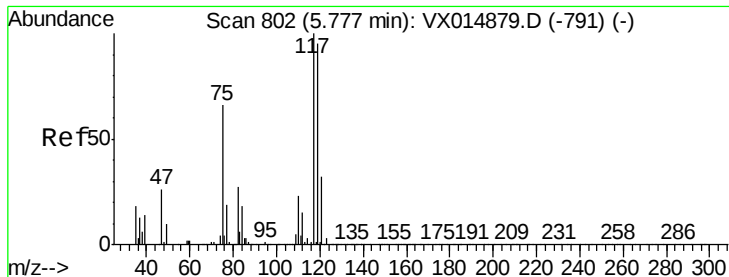
Delta R.T. -0.14 min

Lab File: VX014963.D

Acq: 19 Feb 2020 13:08

Tgt Ion:	75	Resp:	27702
Ion	Ratio	Lower	Upper
75	100		
110	10.6	18.3	54.8#
77	0.9	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.362 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014963.D

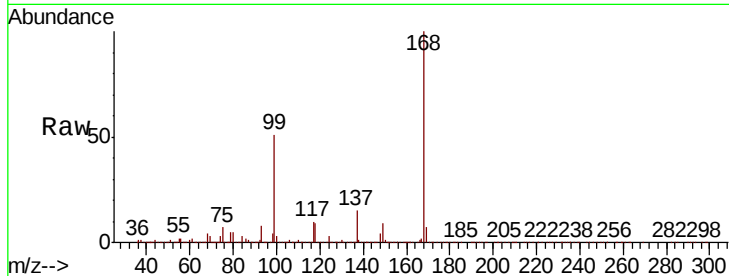
Acq: 19 Feb 2020 13:08

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
119	3.5	76.0	114.0#
121	0.0	25.4	38.2#

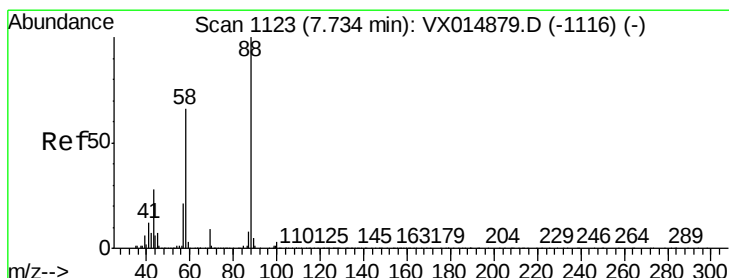
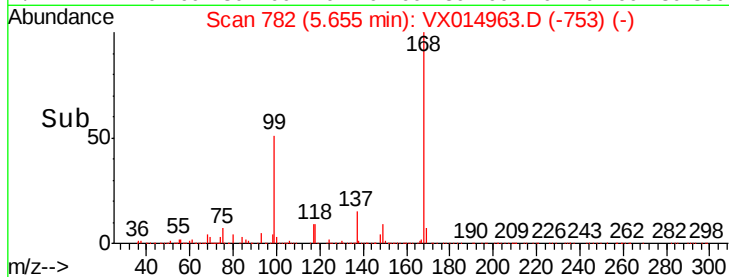
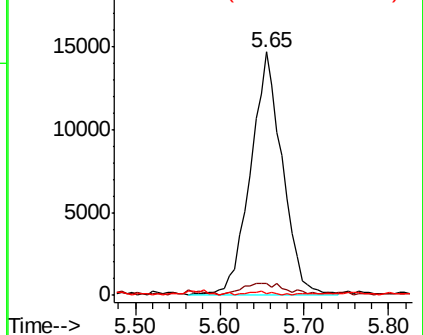


Abundance

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: 4.355 ug/l

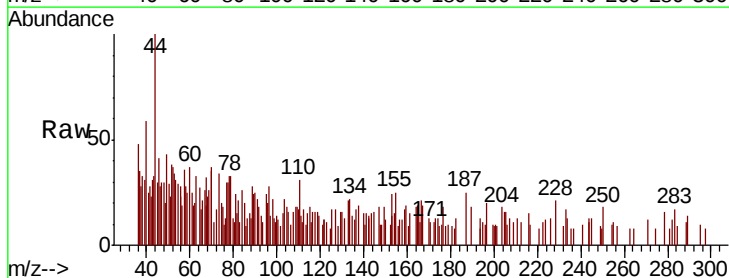
RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014963.D

Acq: 19 Feb 2020 13:08

Tgt Ion	Ratio	Lower	Upper
88	100		
43	24.3	27.0	40.4#
58	40.5	53.2	79.8#

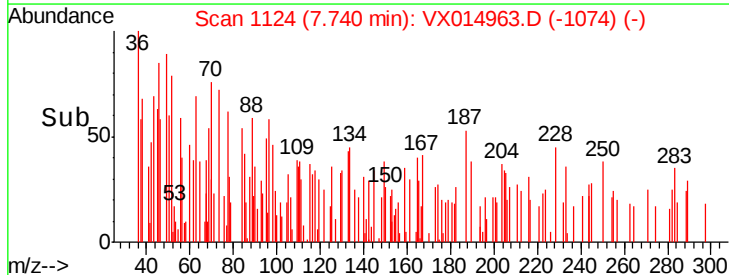
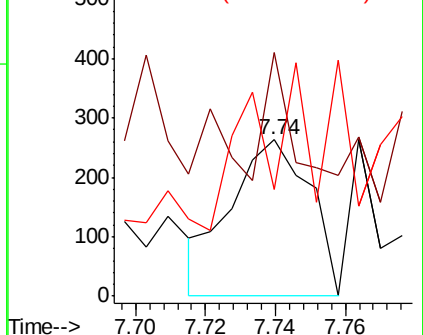


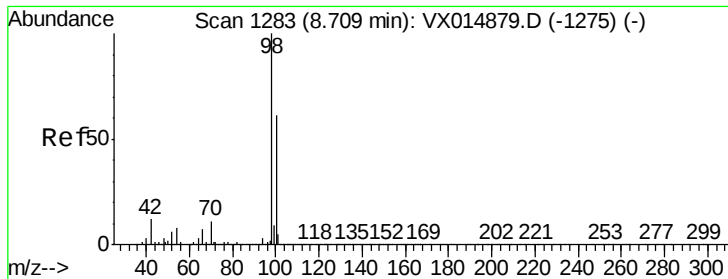
Abundance

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: 51.042 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014963.D

Acq: 19 Feb 2020 13:08

Instrument :

MSVOA_X

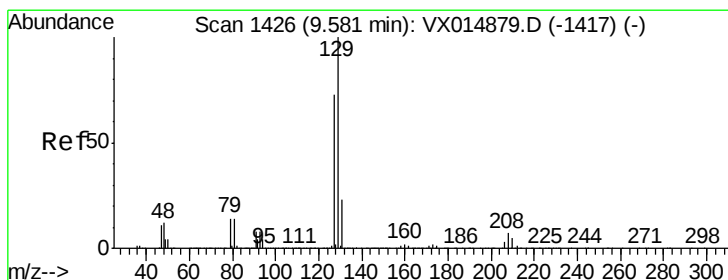
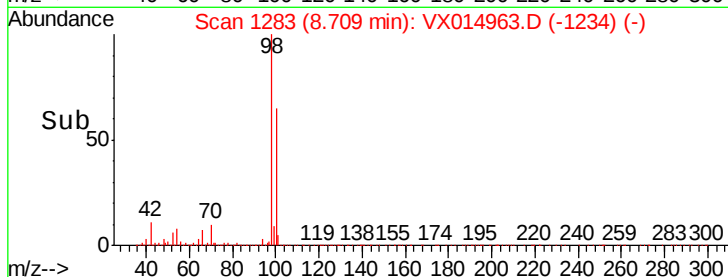
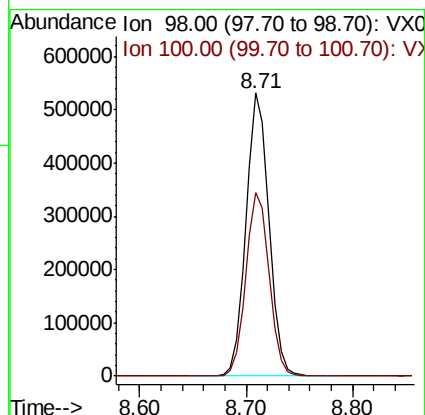
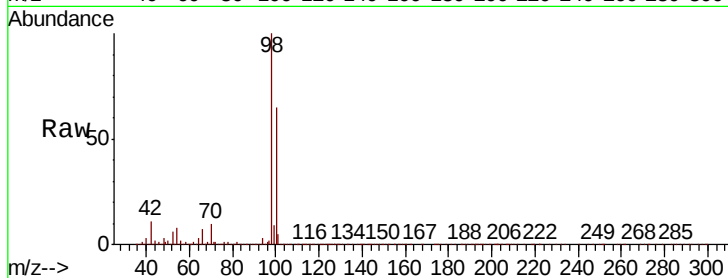
ClientSampled :

Tot Ion: 98 Resp: 806014

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6



#60

Dibromochloromethane

Concen: 0.207 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.01 min

Lab File: VX014963.D

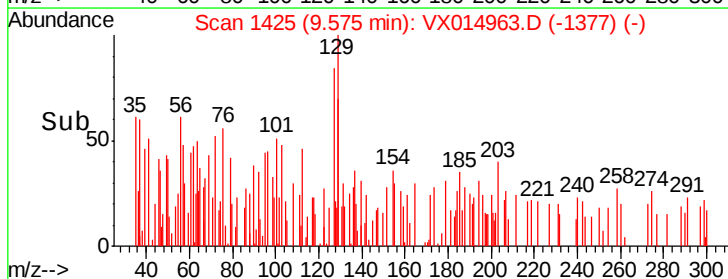
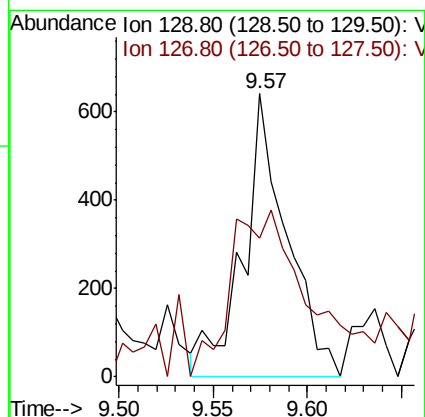
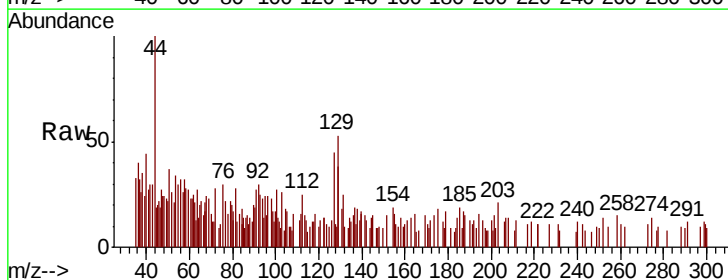
Acq: 19 Feb 2020 13:08

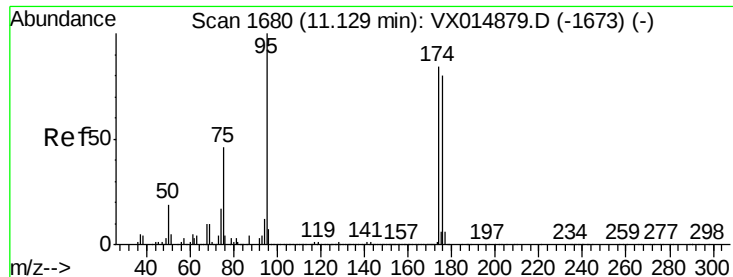
Tgt Ion: 129 Resp: 1028

Ion Ratio Lower Upper

129 100

127 102.4 37.8 113.3

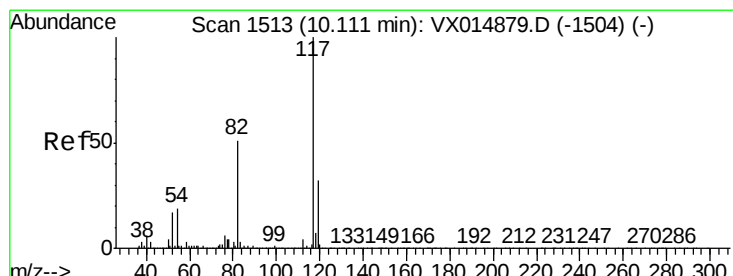
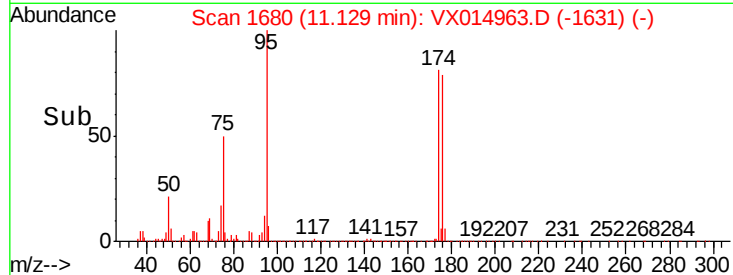
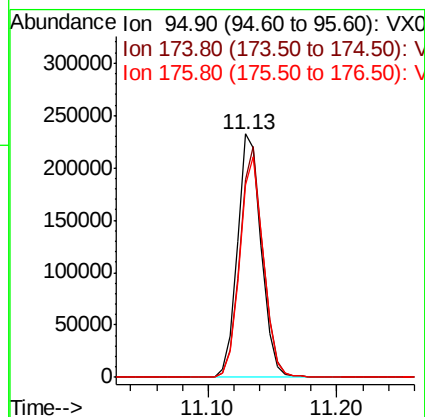
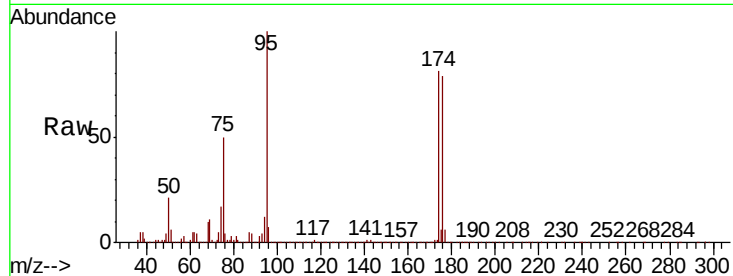




#62
4-Bromofluorobenzene
Concen: 52.340 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014963.D
Acq: 19 Feb 2020 13:08

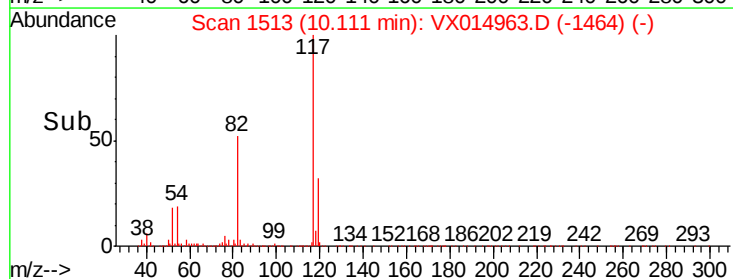
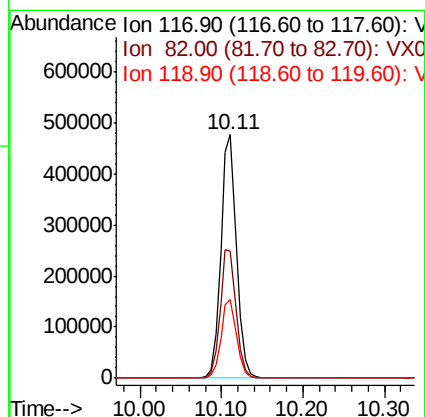
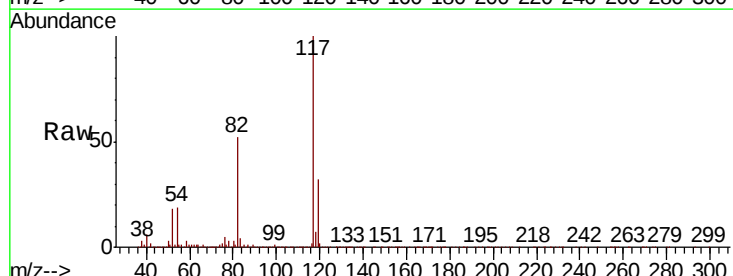
Instrument :
MSVOA_X
ClientSampleId :

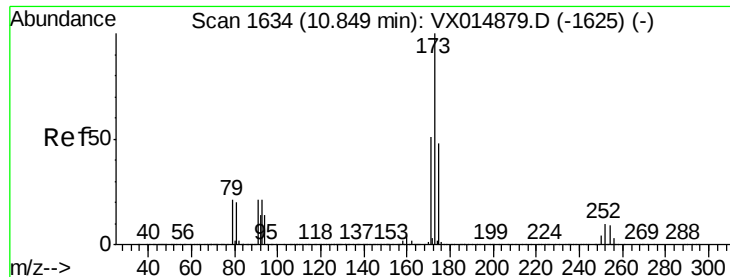
Tot Ion	Ratio	Lower	Upper
95	100		
174	92.5	0.0	183.0
176	89.8	0.0	178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014963.D
Acq: 19 Feb 2020 13:08

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.4	40.5	60.7
119	32.5	25.8	38.6





#71

Bromoform

Concen: 0.376 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VX014963.D

Acq: 19 Feb 2020 13:08

Instrument :

MSVOA_X

ClientSampleId :

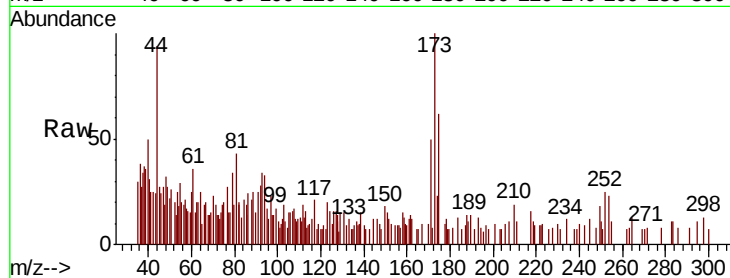
Tot Ion:173 Resp: 1482

Ion Ratio Lower Upper

173 100

175 53.5 24.2 72.6

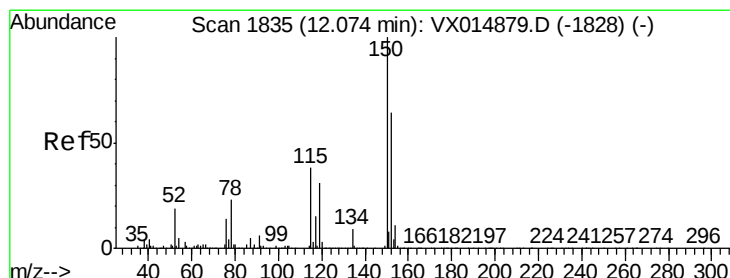
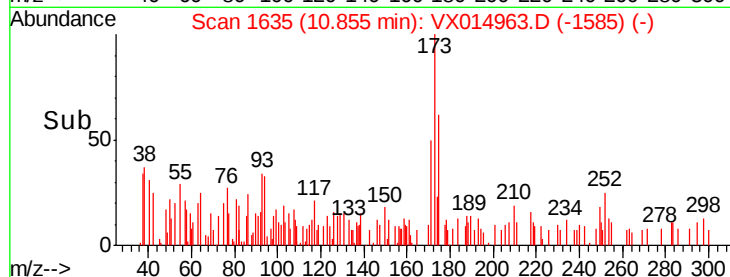
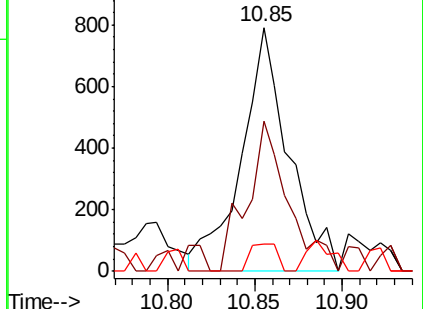
254 6.5 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX014963.D

Acq: 19 Feb 2020 13:08

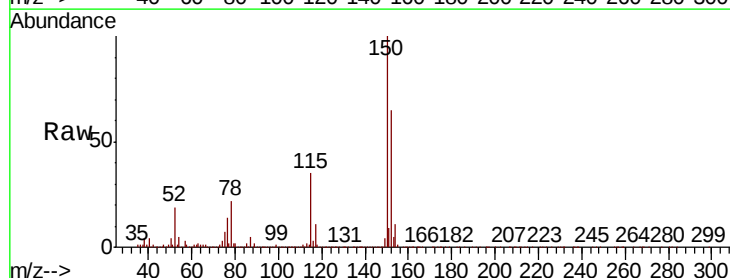
Tgt Ion:152 Resp: 334903

Ion Ratio Lower Upper

152 100

115 55.2 38.6 116.0

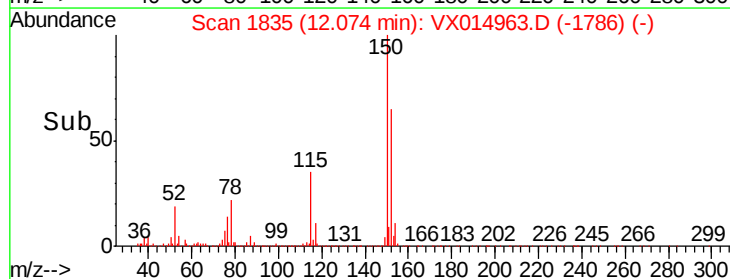
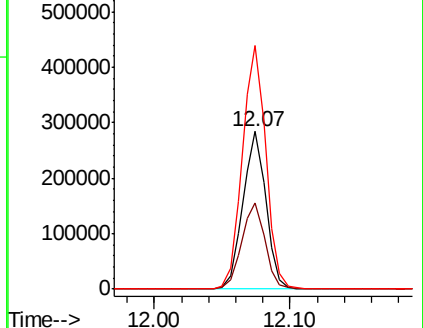
150 157.1 0.0 349.0

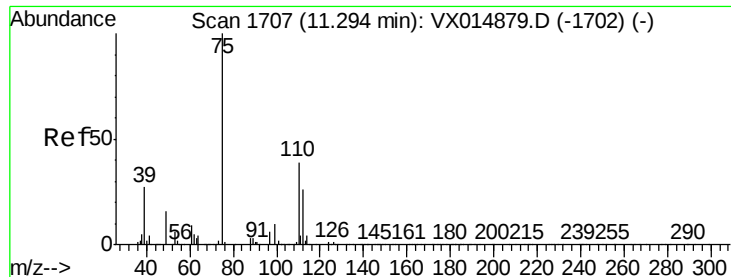


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.736 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014963.D

Acq: 19 Feb 2020 13:08

Instrument :

MSVOA_X

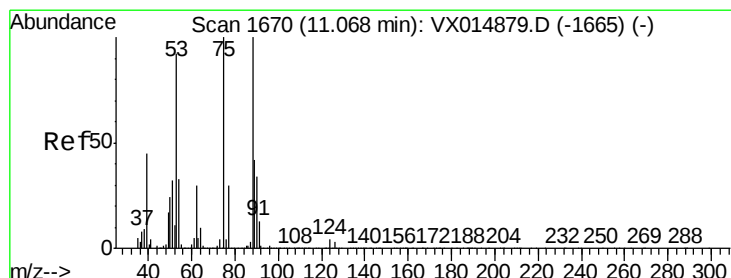
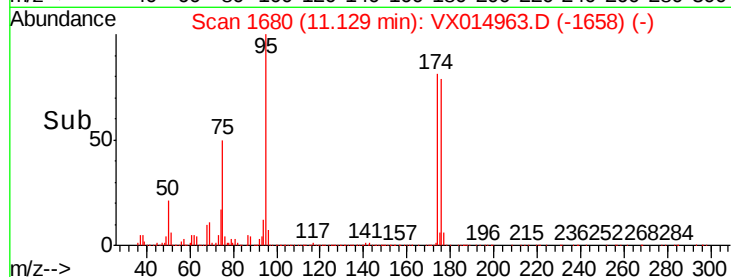
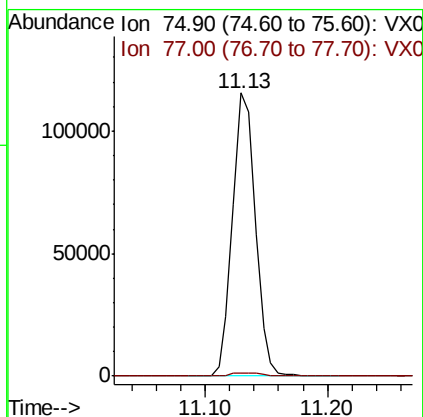
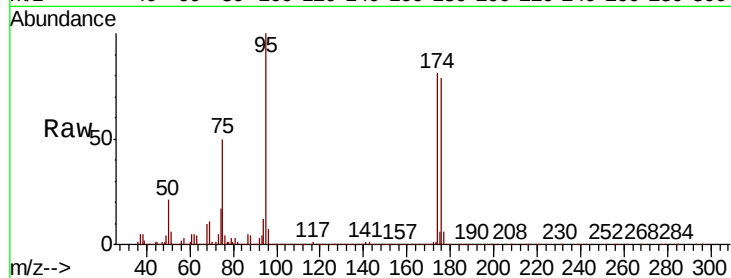
ClientSampleId :

Tot Ion: 75 Resp: 149802

Ion Ratio Lower Upper

75 100

77 1.7 18.4 55.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.316 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014963.D

Acq: 19 Feb 2020 13:08

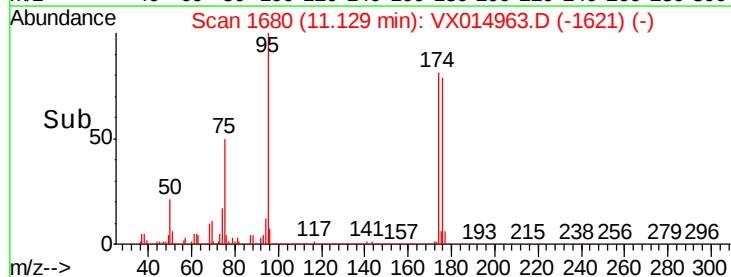
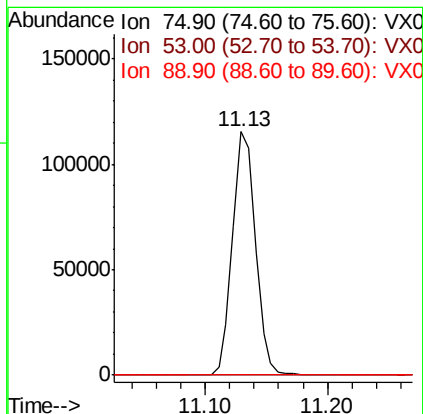
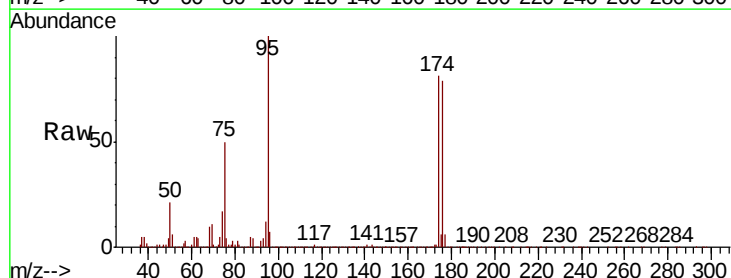
Tgt Ion: 75 Resp: 149802

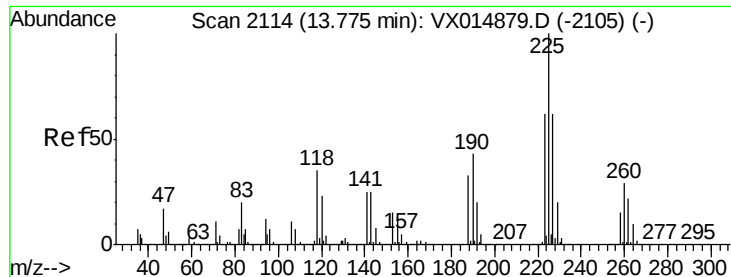
Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.1 35.8 53.6#





#94
 Hexachlorobutadiene
 Concen: 0.205 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX014963.D
 Acq: 19 Feb 2020 13:08

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
225	100		
223	80.9	31.1	93.2
227	70.0	30.9	92.5

