

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021220\
 Data File : VX014927.D
 Acq On : 12 Feb 2020 15:46
 Operator : JC/SP
 Sample : L1503-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 13 03:36:05 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	425416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	665220	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	645302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	344448	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	247515	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
35) Dibromofluoromethane	5.49	113	205447	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
50) Toluene-d8	8.71	98	800259	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
62) 4-Bromofluorobenzene	11.14	95	302700	53.83	ug/l	0.00
Spiked Amount			Recovery	=	107.66%	

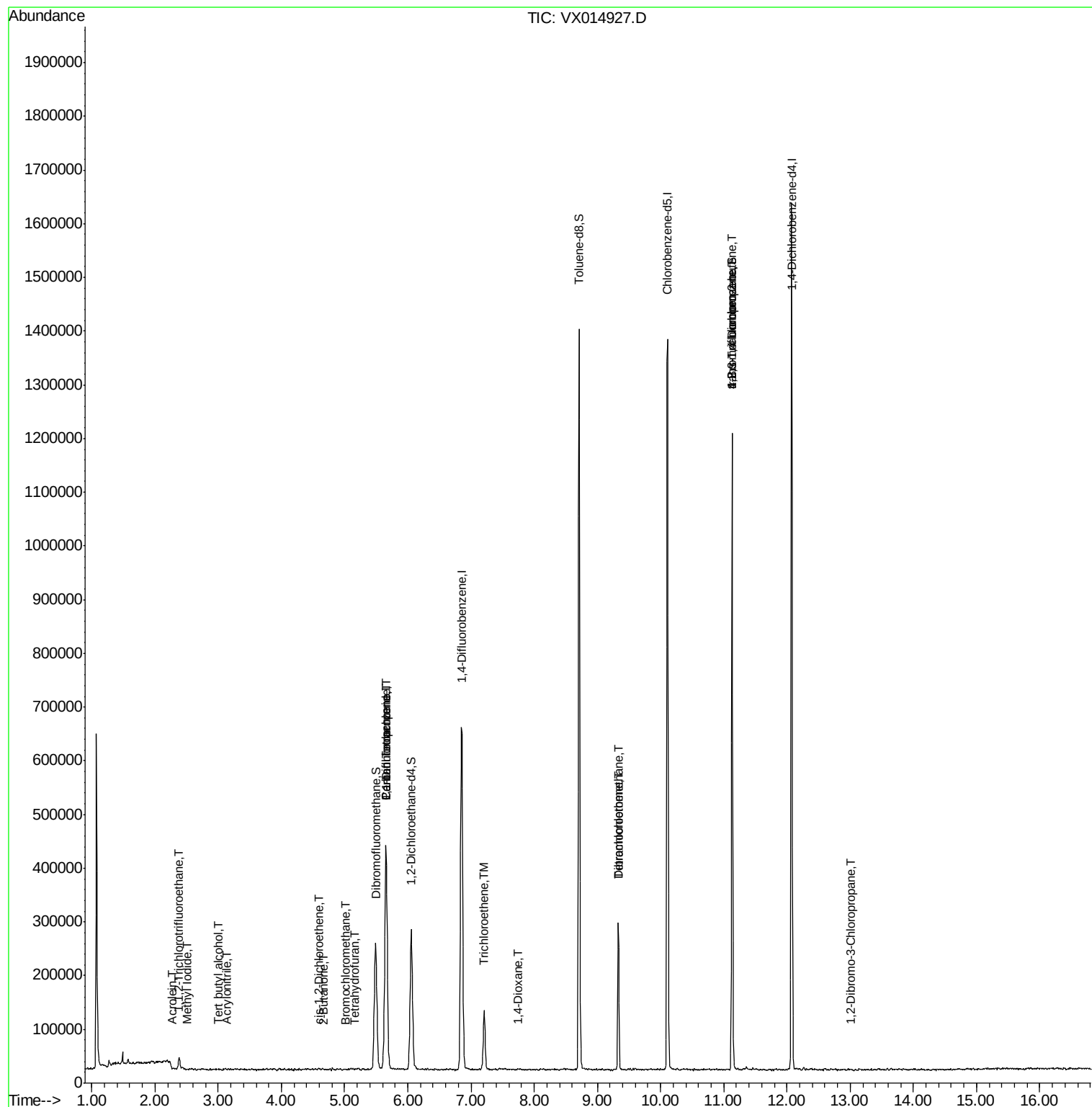
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.38	101	10098	2.531	ug/l	96
10) Methyl Iodide	2.51	142	576	4.487	ug/l #	32
11) Tert butyl alcohol	3.01	59	337	0.398	ug/l #	1
13) Acrolein	2.27	56	215	0.333	ug/l #	72
15) Acrylonitrile	3.14	53	486	0.226	ug/l #	79
16) Acetone	2.43	43	4203	Below Cal		91
25) 2-Butanone	4.67	43	798	0.244	ug/l #	86
27) cis-1,2-Dichloroethene	4.59	96	1537	0.320	ug/l	55
28) Bromochloromethane	5.01	49	724	0.251	ug/l #	30
29) Tetrahydrofuran	5.15	42	685	0.369	ug/l	99
36) 1,1-Dichloropropene	5.65	75	28613	4.808	ug/l #	51
38) Carbon Tetrachloride	5.65	117	37984	6.550	ug/l #	16
44) Trichloroethene	7.20	130	45631	8.841	ug/l	99
49) 1,4-Dioxane	7.73	88	241	2.558	ug/l #	44
60) Dibromochloromethane	9.33	129	47520	9.665	ug/l #	13
64) Tetrachloroethene	9.33	164	56265	9.326	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	149417	23.988	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	149417	61.403	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	13.01	75	361	0.218	ug/l #	37

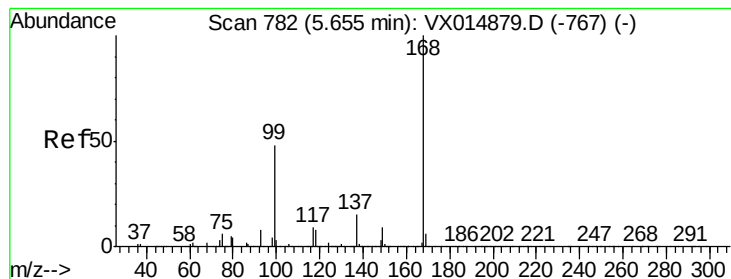
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Feb 13 03:36:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
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: VX014927.D

Acq: 12 Feb 2020 15:46

Instrument :

MSVOA_X

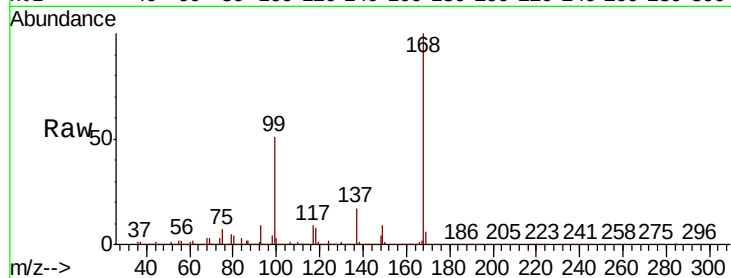
ClientSampleId :

Tot Ion:168 Resp: 425416

Ion Ratio Lower Upper

168 100

99 50.8 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

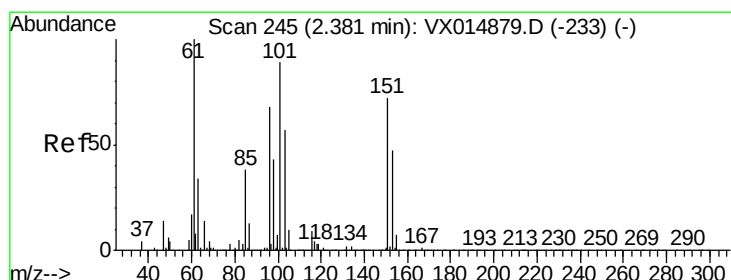
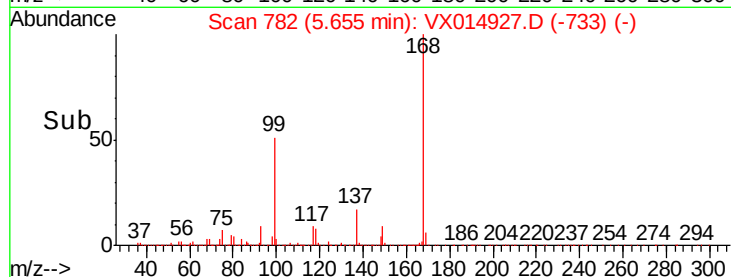
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.531 ug/l

RT: 2.38 min Scan# 245

Delta R.T. -0.00 min

Lab File: VX014927.D

Acq: 12 Feb 2020 15:46

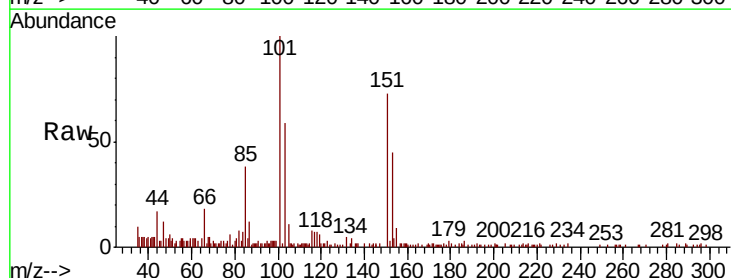
Tgt Ion:101 Resp: 10098

Ion Ratio Lower Upper

101 100

85 40.2 34.1 51.1

151 79.8 67.3 100.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

2.38

6000

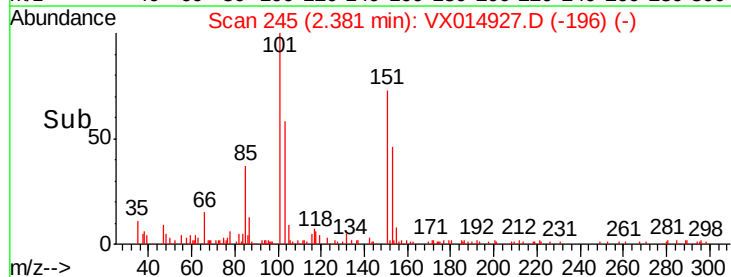
4000

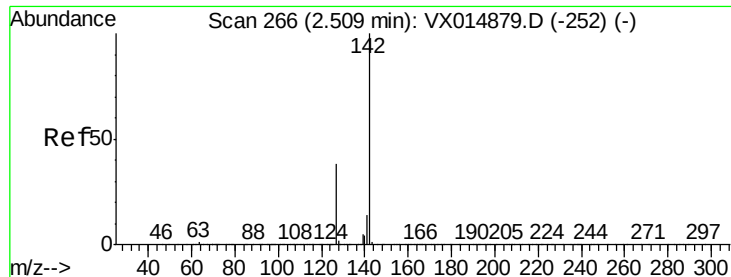
2000

0

Time-->

2.30 2.35 2.40 2.45

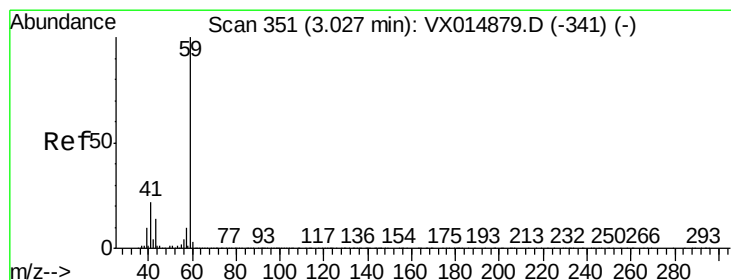
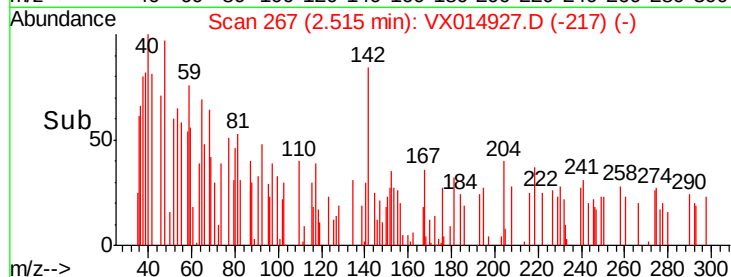
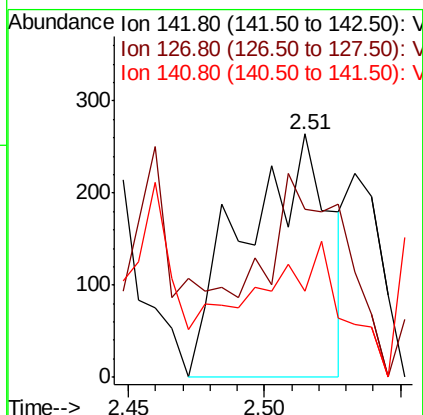
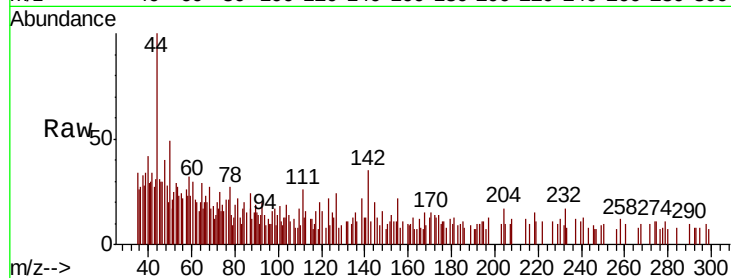




#10
Methvl Iodide
Concen: 4.487 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX014927.D
Acq: 12 Feb 2020 15:46

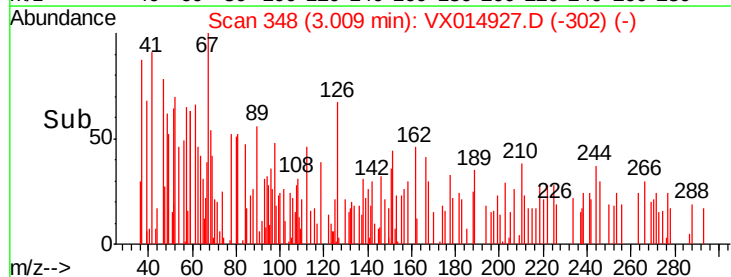
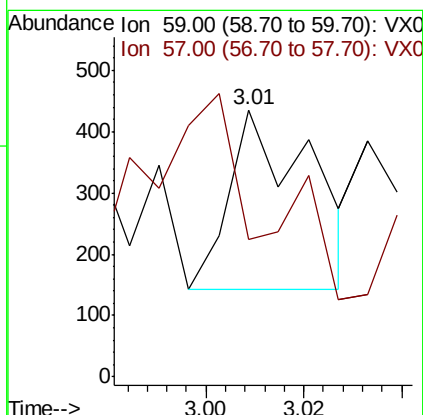
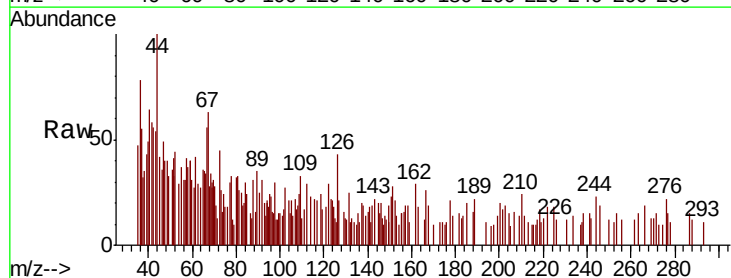
Instrument :
MSVOA_X
ClientSampled :

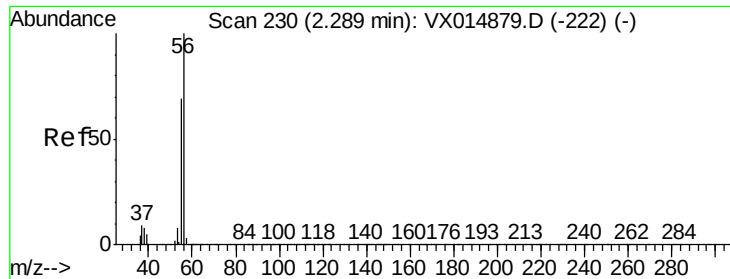
Tot Ion:142 Resp: 576
Ion Ratio Lower Upper
142 100
127 75.3 31.1 46.7#
141 51.4 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.398 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX014927.D
Acq: 12 Feb 2020 15:46

Tgt Ion: 59 Resp: 337
Ion Ratio Lower Upper
59 100
57 301.2 8.2 12.4#





#13

Acrolein

Concen: 0.333 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.02 min

Lab File: VX014927.D

Acq: 12 Feb 2020 15:46

Instrument :

MSVOA_X

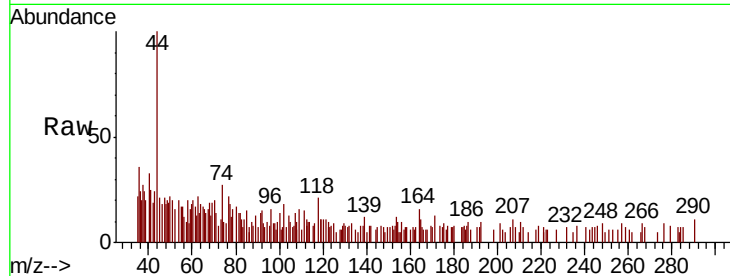
ClientSampled :

Tot Ion: 56 Resp: 215

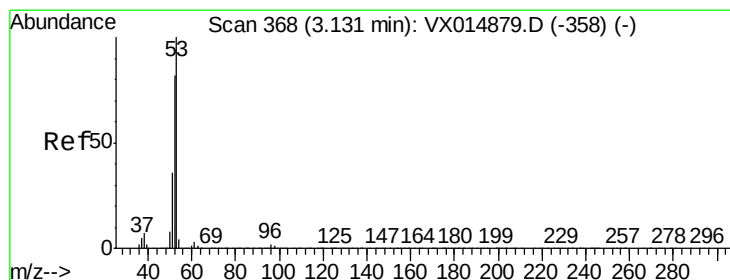
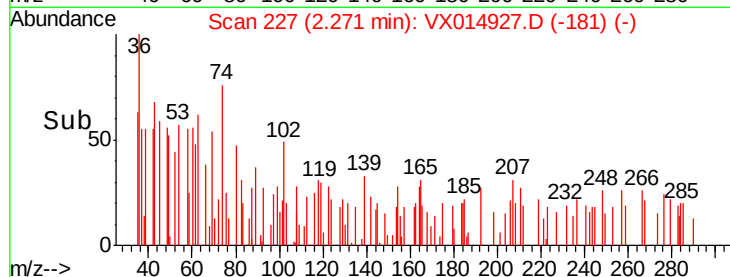
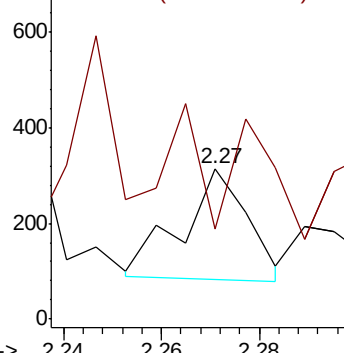
Ion Ratio Lower Upper

56 100

55 45.6 55.0 82.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0



#15

Acrylonitrile

Concen: 0.226 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX014927.D

Acq: 12 Feb 2020 15:46

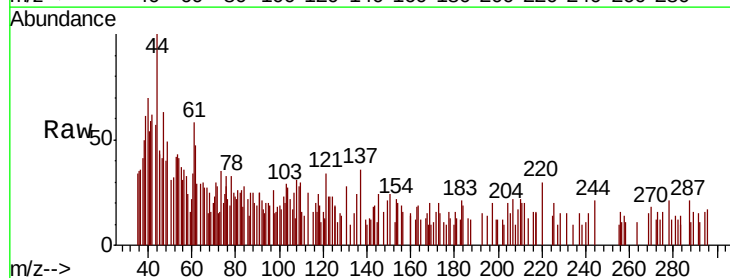
Tgt Ion: 53 Resp: 486

Ion Ratio Lower Upper

53 100

52 84.4 65.8 98.6

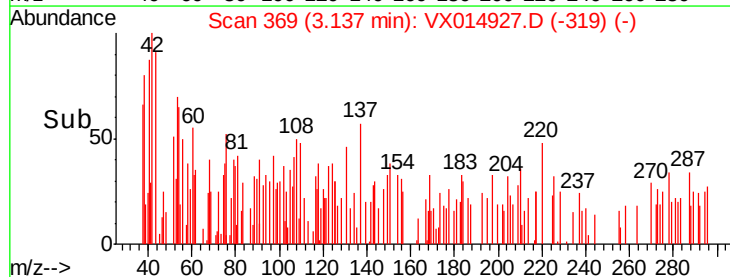
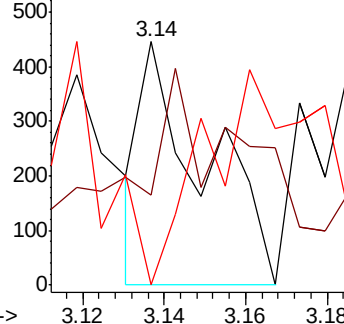
51 0.0 29.1 43.7#

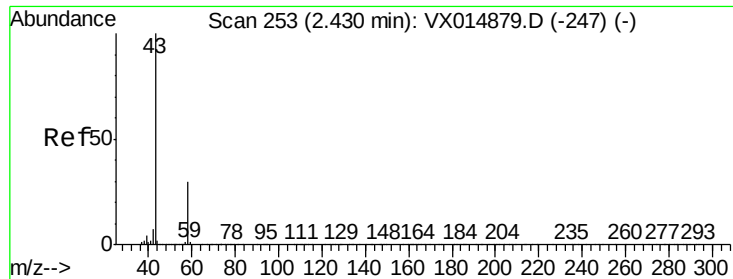


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

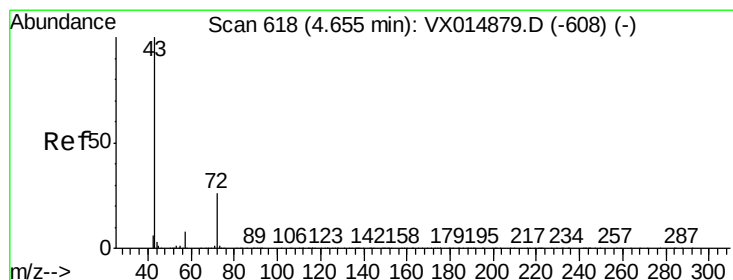
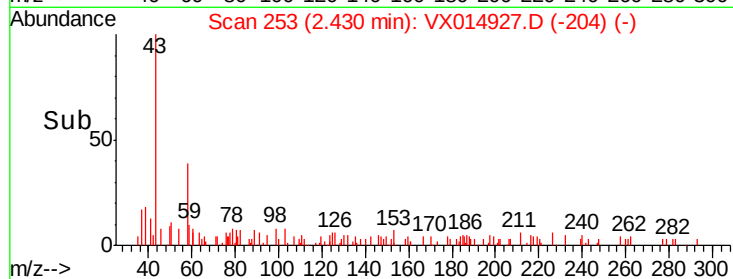
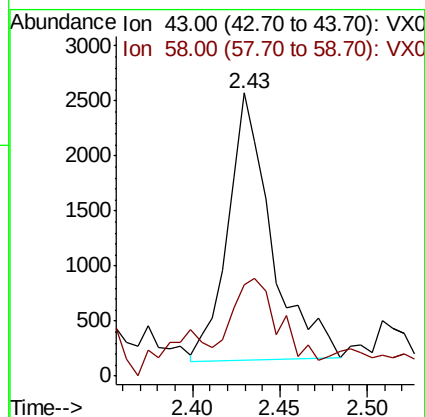
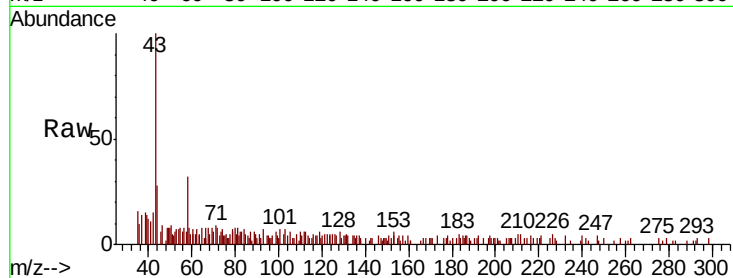




#16
Acetone
Concen: Below Cal
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014927.D
Acq: 12 Feb 2020 15:46

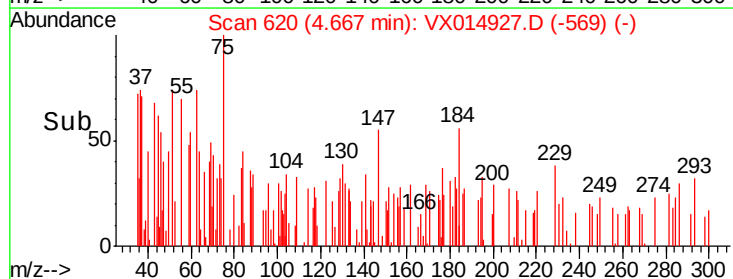
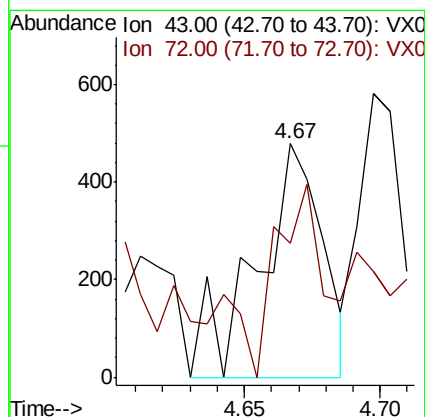
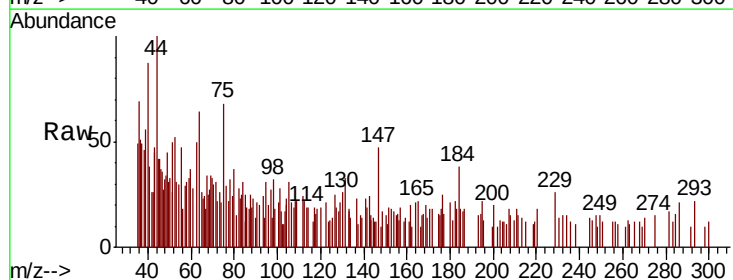
Instrument :
MSVOA_X
ClientSampleId :

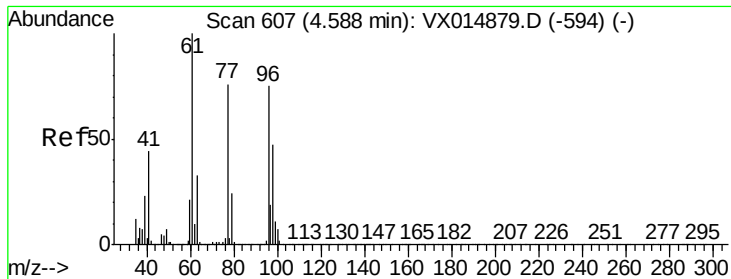
Tot Ion: 43 Resp: 4203
Ion Ratio Lower Upper
43 100
58 25.0 24.1 36.1



#25
2-Butanone
Concen: 0.244 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX014927.D
Acq: 12 Feb 2020 15:46

Tgt Ion: 43 Resp: 798
Ion Ratio Lower Upper
43 100
72 33.6 21.0 31.6#



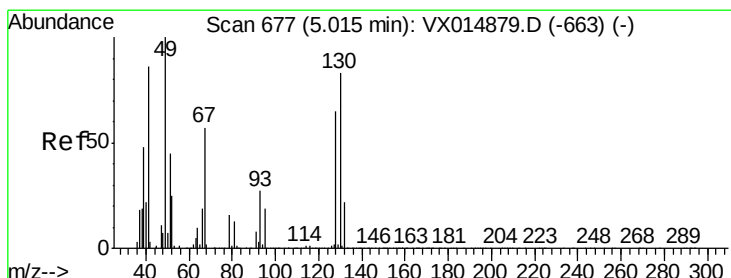
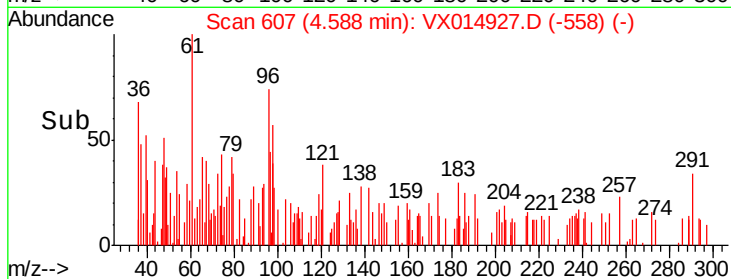
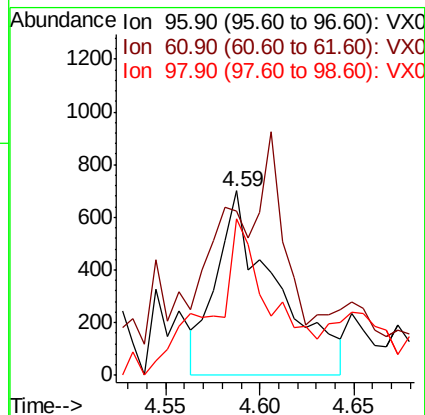
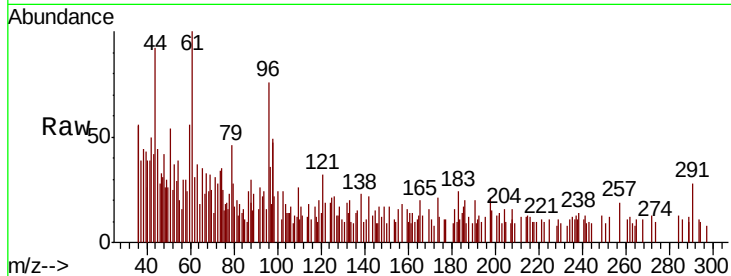


#27

cis-1,2-Dichloroethene
Concen: 0.320 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX014927.D
Acq: 12 Feb 2020 15:46

Instrument :
MSVOA_X
ClientSampleId :

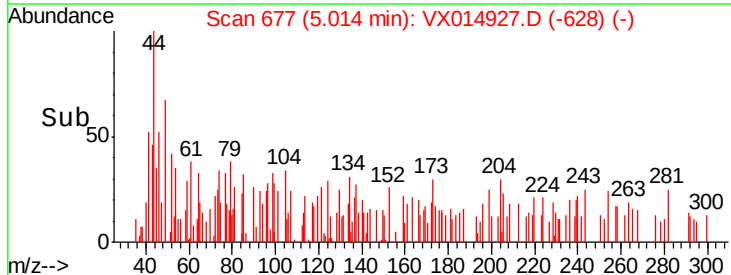
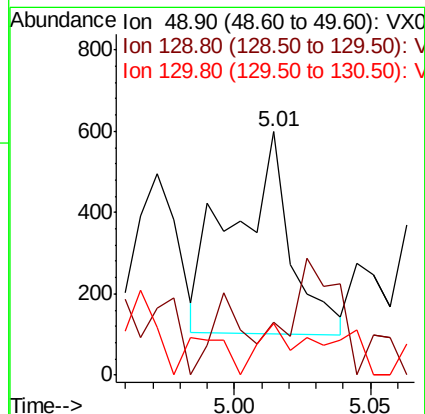
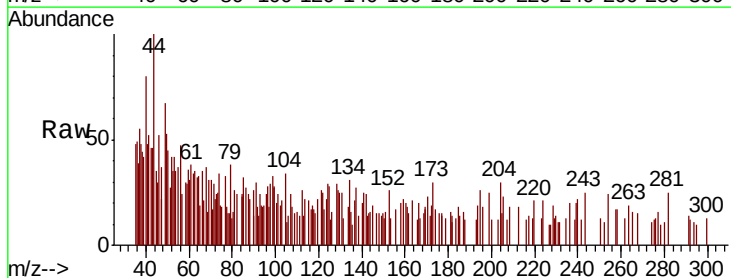
Tot Ion	Ratio	Lower	Upper
96	100		
61	78.1	0.0	286.2
98	86.7	0.0	131.0

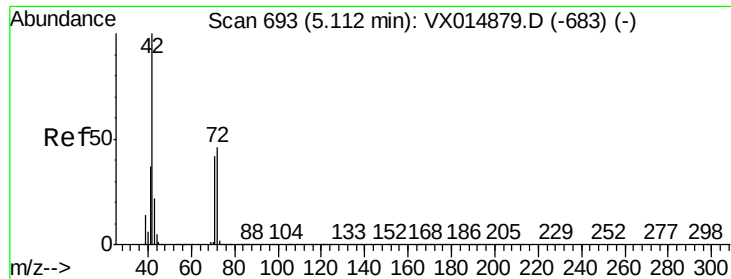


#28

Bromochloromethane
Concen: 0.251 ug/l
RT: 5.01 min Scan# 677
Delta R.T. -0.00 min
Lab File: VX014927.D
Acq: 12 Feb 2020 15:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	35.2	0.0	5.2#
130	21.8	67.4	101.2#

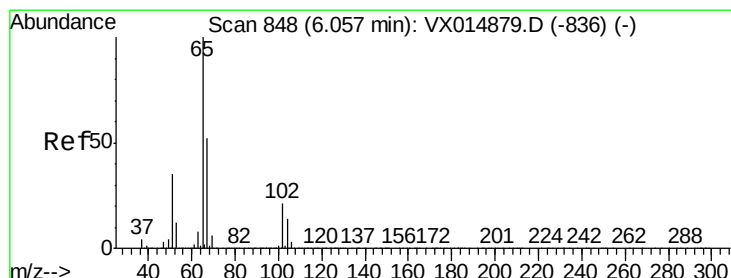
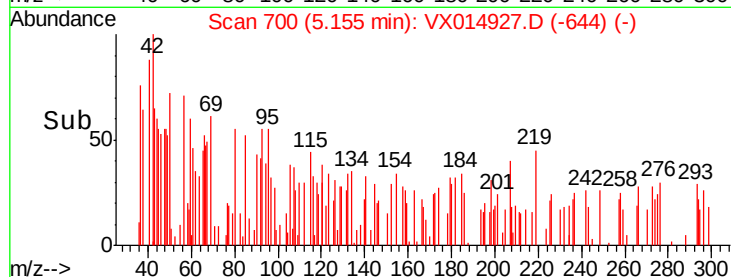
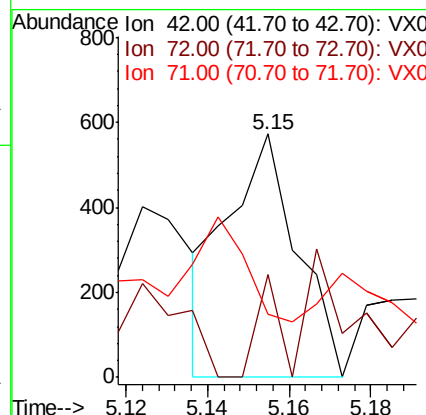
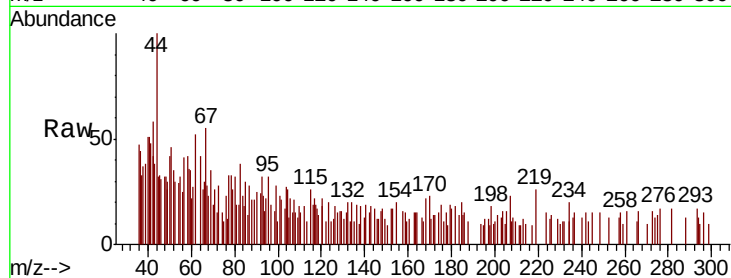




#29
Tetrahydrofuran
Concen: 0.369 ug/l
RT: 5.15 min Scan# 700
Delta R.T. 0.04 min
Lab File: VX014927.D
Acq: 12 Feb 2020 15:46

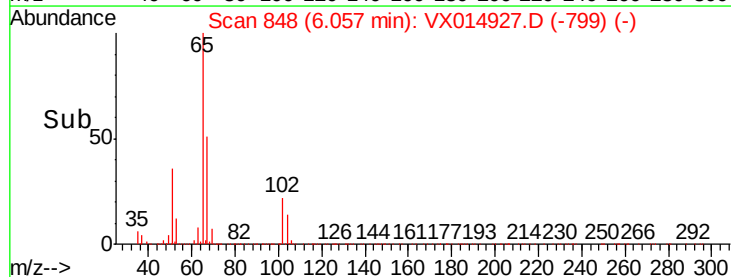
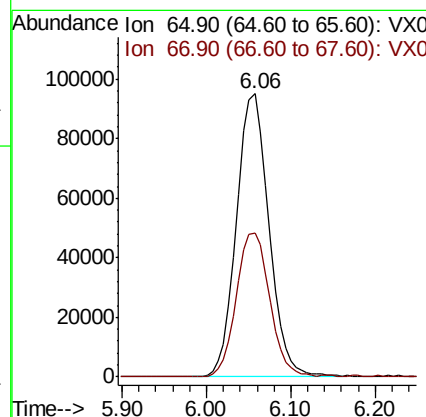
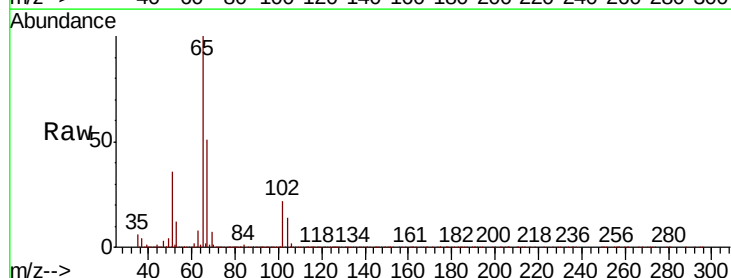
Instrument :
MSVOA_X
ClientSampleId :

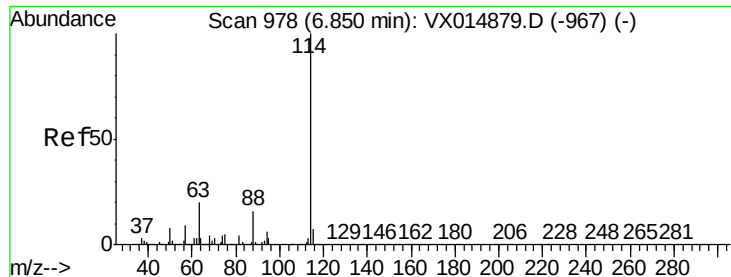
Tot Ion: 42 Resp: 685
Ion Ratio Lower Upper
42 100
72 46.4 36.9 55.3
71 41.6 34.1 51.1



#33
1,2-Dichloroethane-d4
Concen: 51.553 ug/l
RT: 6.06 min Scan# 848
Delta R.T. -0.00 min
Lab File: VX014927.D
Acq: 12 Feb 2020 15:46

Tgt Ion: 65 Resp: 247515
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014927.D

Acq: 12 Feb 2020 15:46

Instrument :

MSVOA_X

ClientSampleId :

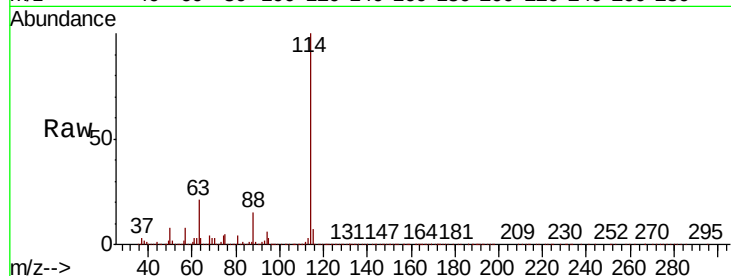
Tot Ion:114 Resp: 665220

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.2

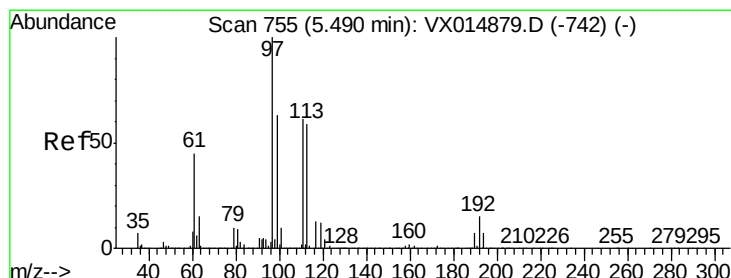
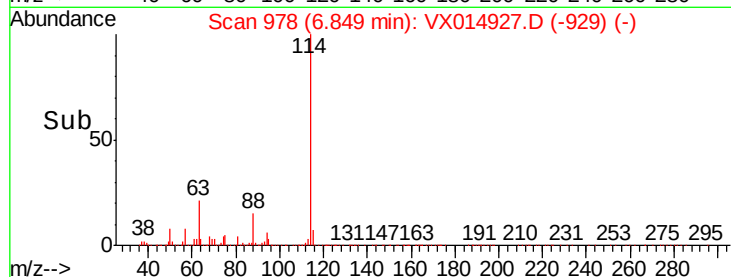
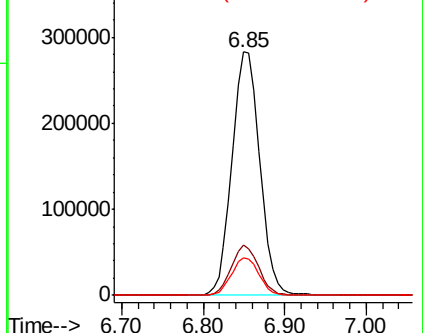
88 15.4 0.0 32.0



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: 50.236 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014927.D

Acq: 12 Feb 2020 15:46

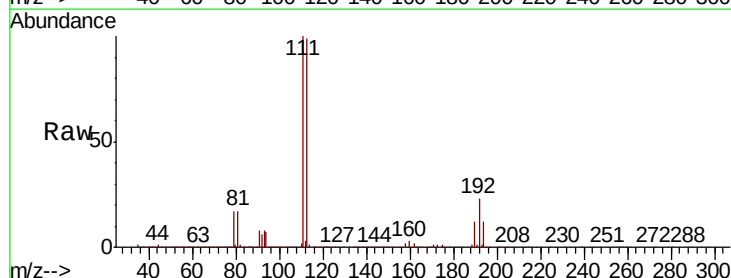
Tgt Ion:113 Resp: 205447

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

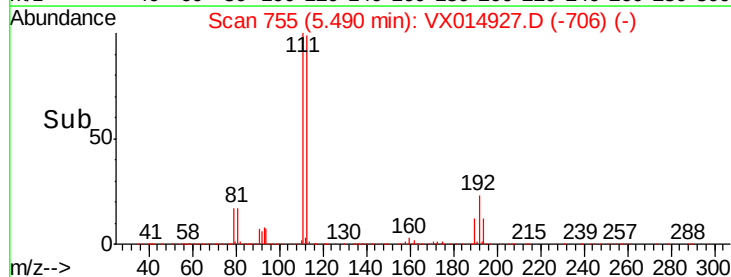
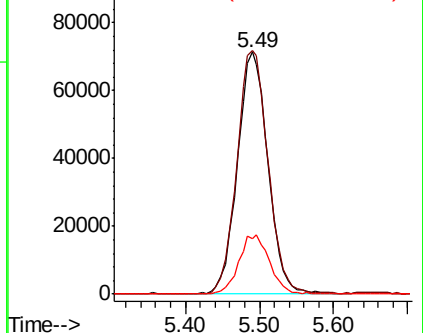
192 24.6 19.1 28.7

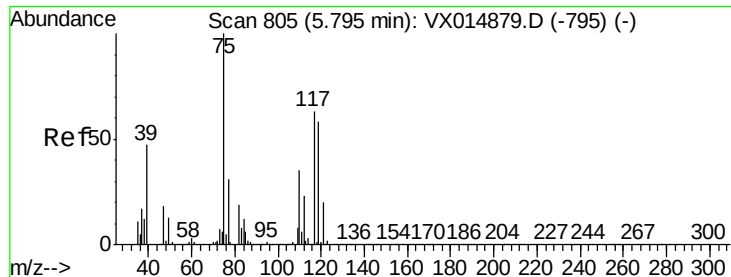


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

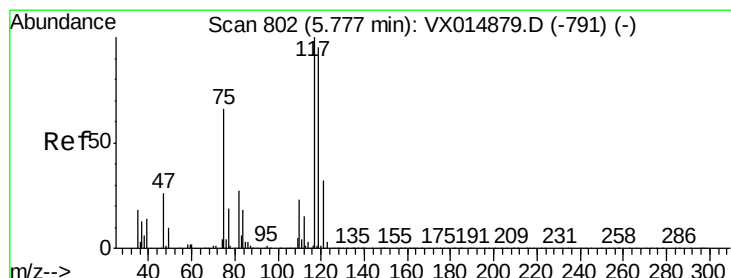
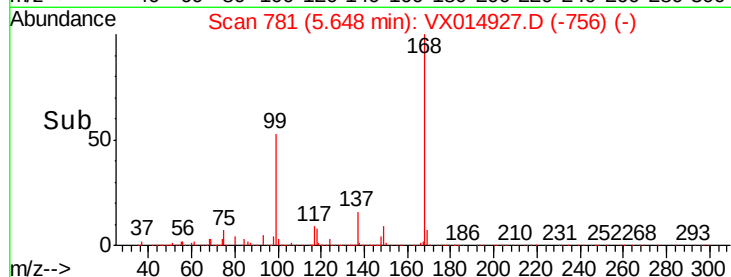
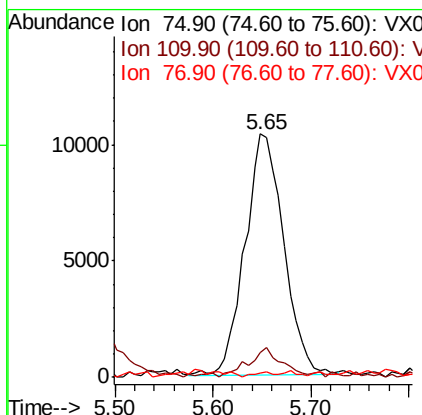
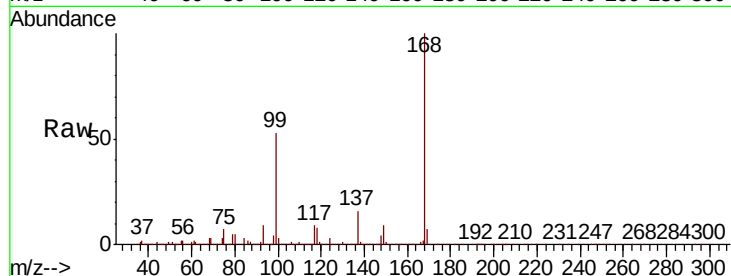




#36
 1,1-Dichloropropene
 Concen: 4.808 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014927.D
 Acq: 12 Feb 2020 15:46

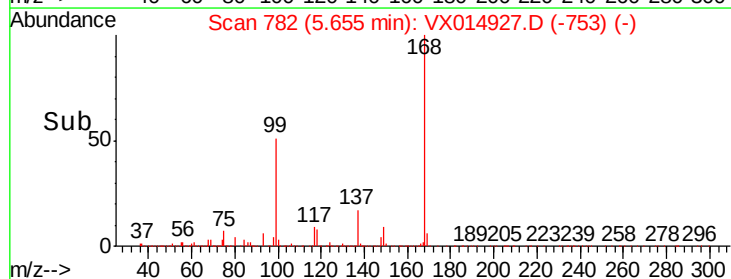
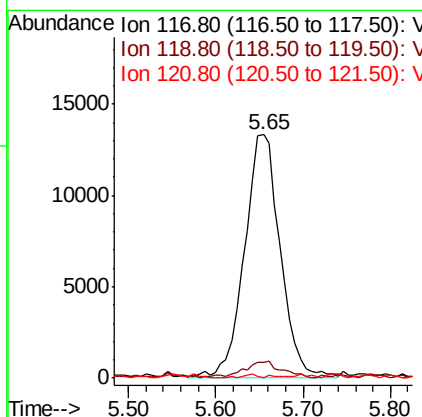
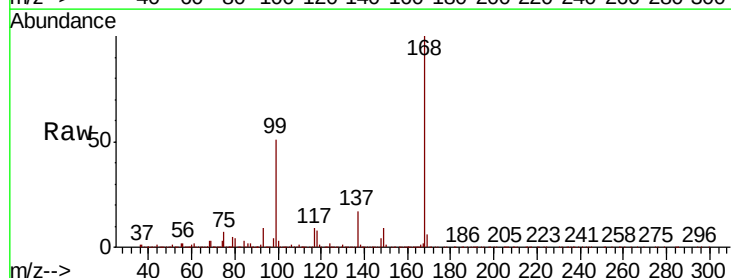
Instrument :
 MSVOA_X
 ClientSampled :

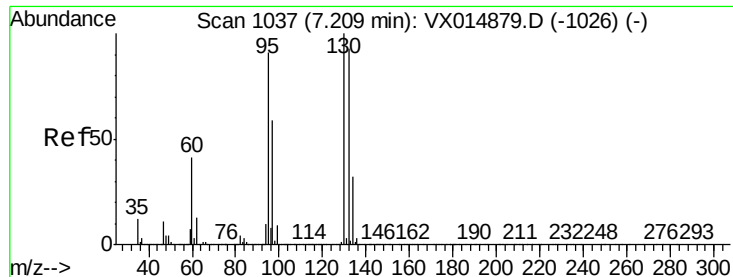
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.3	54.8#
77	1.1	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.550 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014927.D
 Acq: 12 Feb 2020 15:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.0	114.0#
121	0.0	25.4	38.2#





#44

Trichloroethene

Concen: 8.841 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014927.D

Acq: 12 Feb 2020 15:46

Instrument :

MSVOA_X

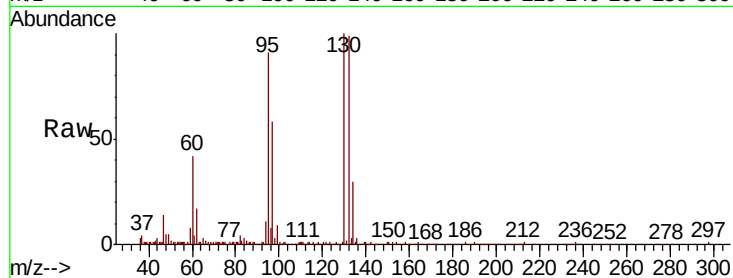
ClientSampleId :

Tot Ion:130 Resp: 45631

Ion Ratio Lower Upper

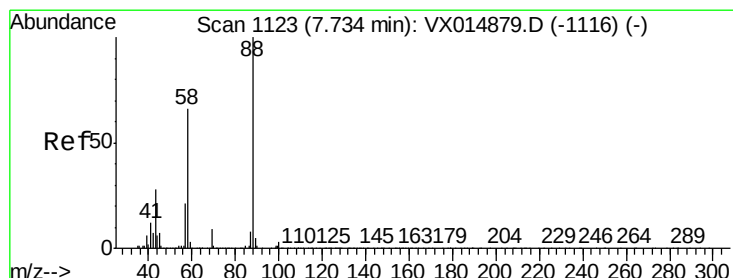
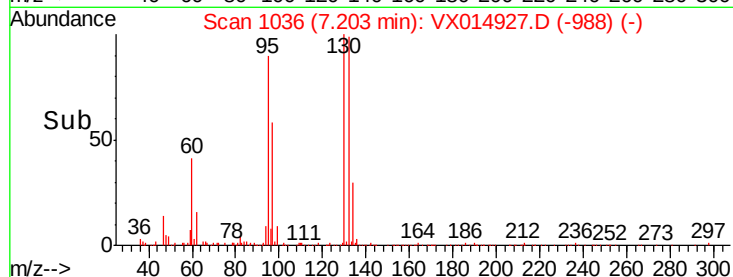
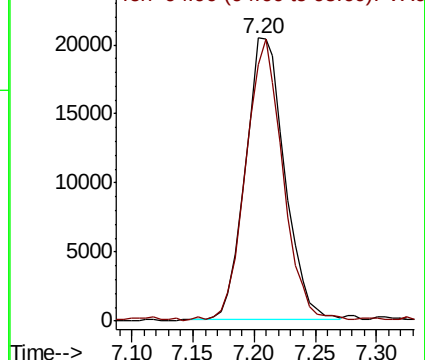
130 100

95 90.6 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 2.558 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VX014927.D

Acq: 12 Feb 2020 15:46

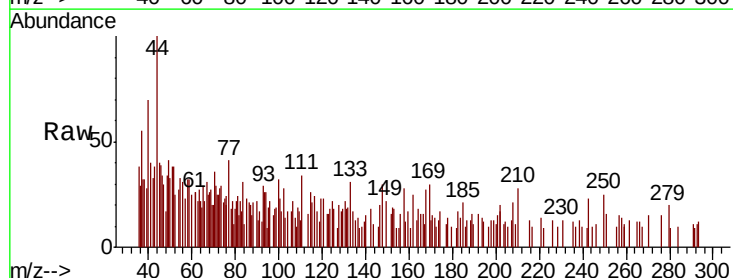
Tgt Ion: 88 Resp: 241

Ion Ratio Lower Upper

88 100

43 0.0 27.0 40.4#

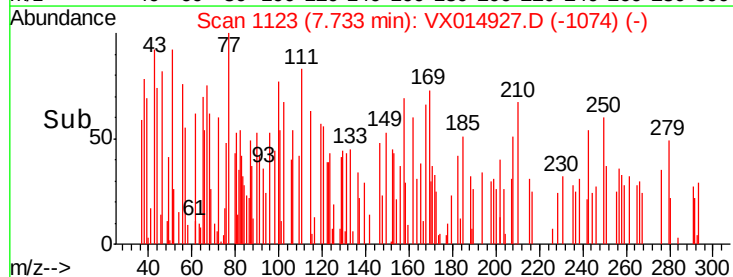
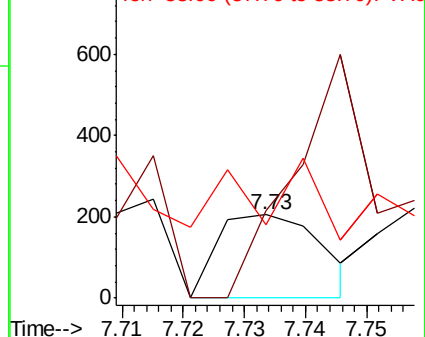
58 22.8 53.2 79.8#

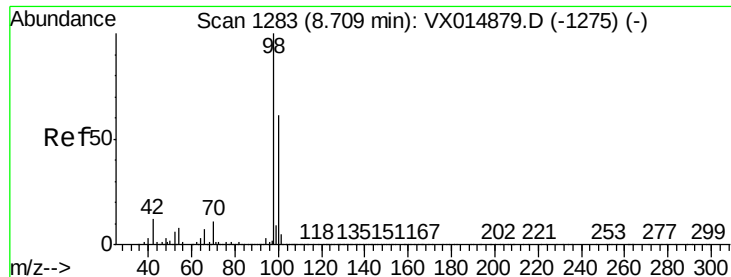


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.264 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014927.D

Acq: 12 Feb 2020 15:46

Instrument :

MSVOA_X

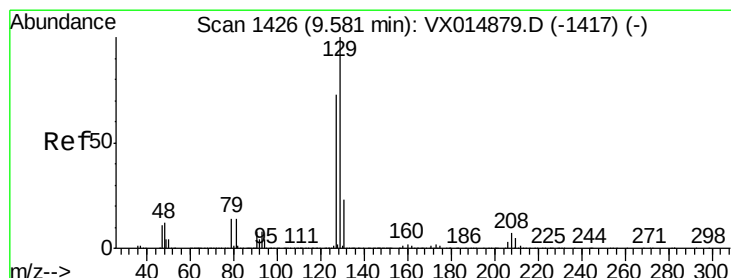
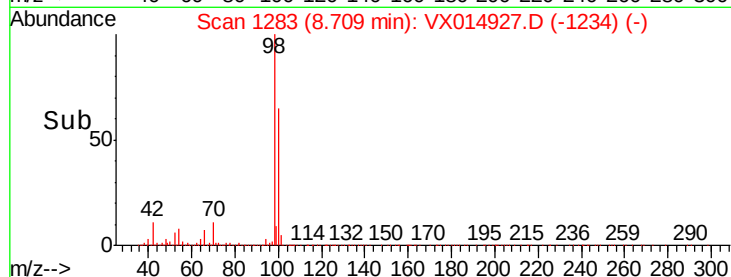
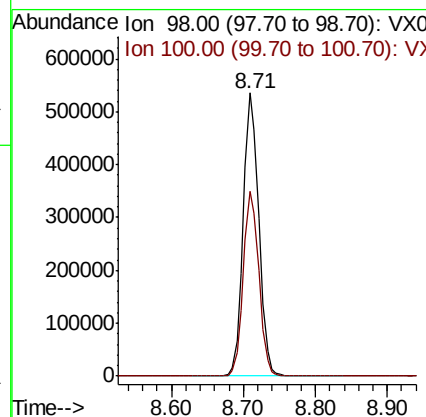
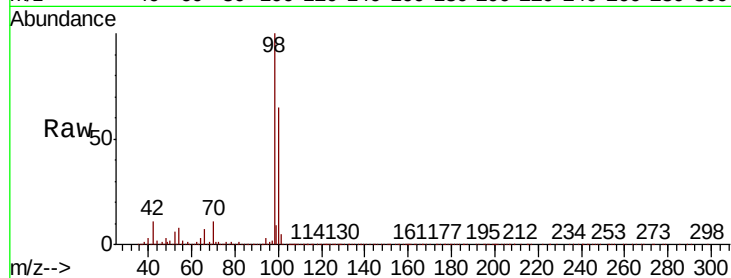
ClientSampleId :

Tot Ion: 98 Resp: 800259

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6



#60

Dibromochloromethane

Concen: 9.665 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX014927.D

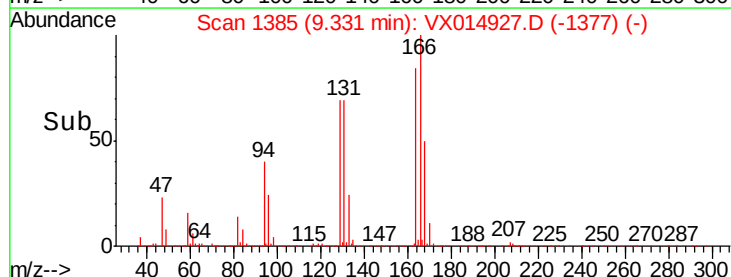
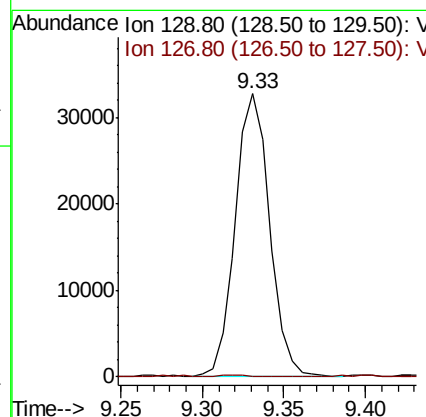
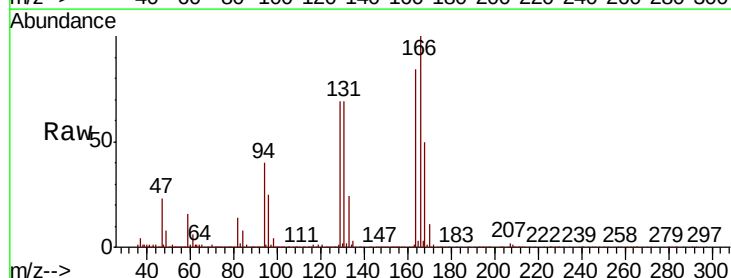
Acq: 12 Feb 2020 15:46

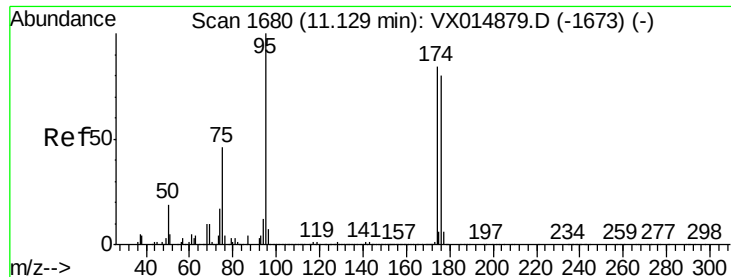
Tgt Ion: 129 Resp: 47520

Ion Ratio Lower Upper

129 100

127 0.9 37.8 113.3#

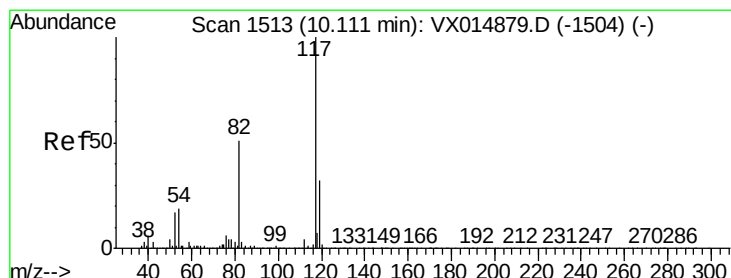
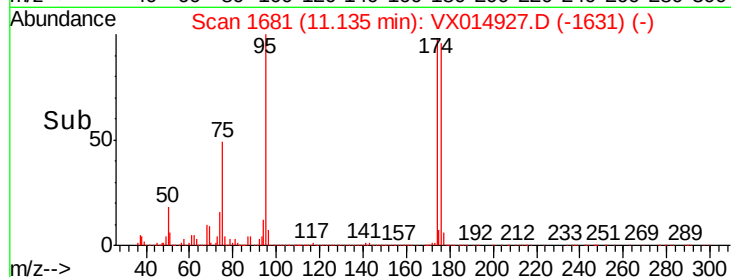
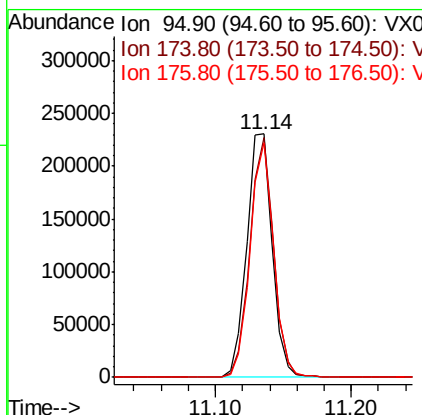
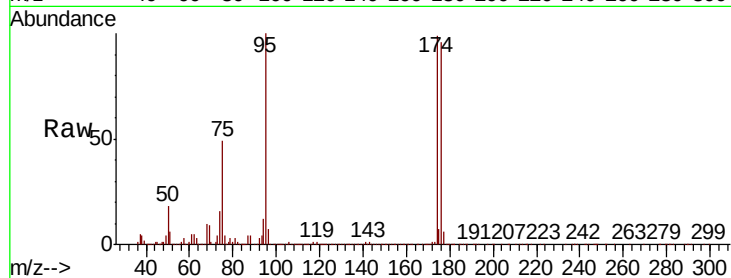




#62
4-Bromofluorobenzene
Concen: 53.829 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014927.D
Acq: 12 Feb 2020 15:46

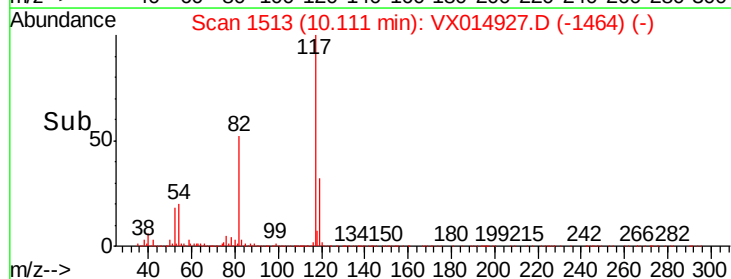
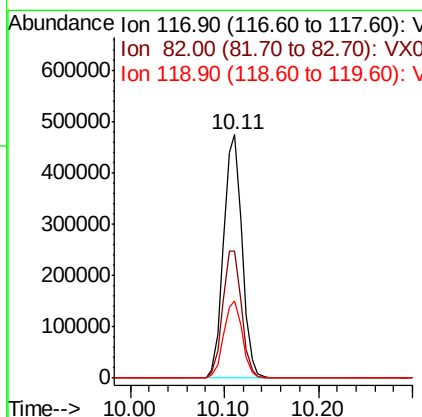
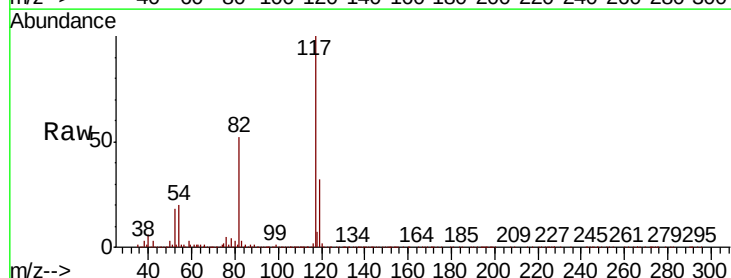
Instrument :
MSVOA_X
ClientSampleId :

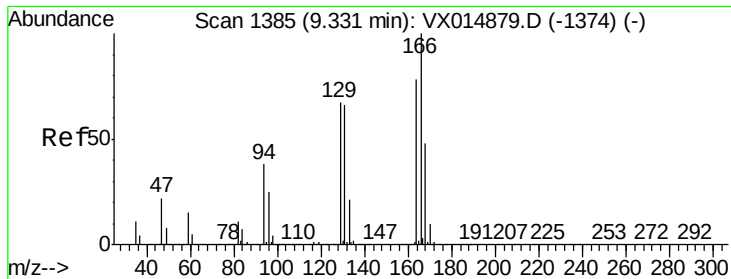
Tot Ion	Ratio	Lower	Upper
95	100		
174	91.8	0.0	183.0
176	89.4	0.0	178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014927.D
Acq: 12 Feb 2020 15:46

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.3	40.5	60.7
119	31.8	25.8	38.6





#64

Tetrachloroethene

Concen: 9.326 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX014927.D

Acq: 12 Feb 2020 15:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 56265

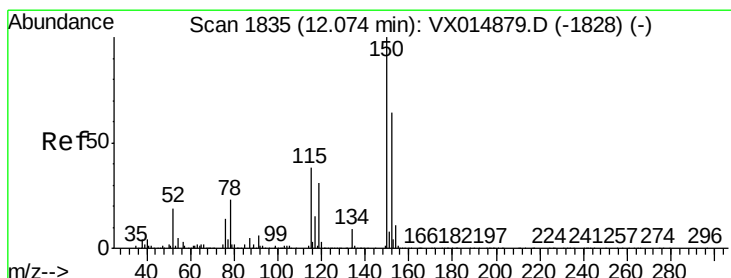
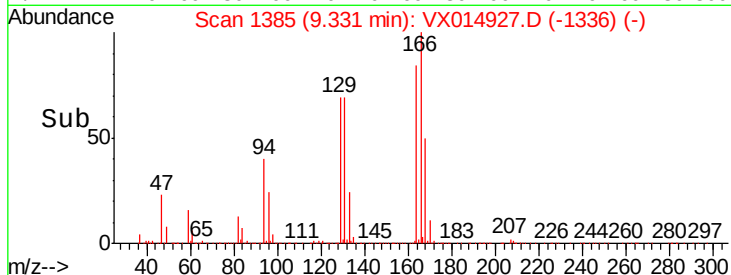
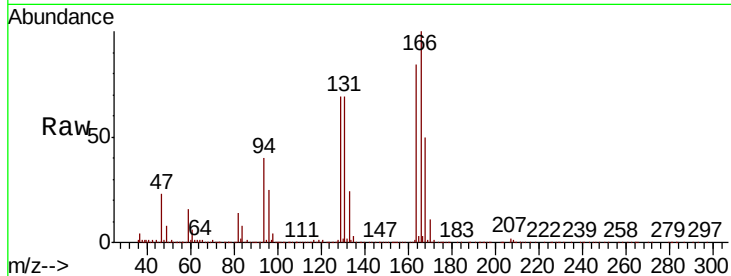
Ion Ratio Lower Upper

164 100

166 118.2 102.6 153.8

129 81.9 68.3 102.5

131 81.6 67.4 101.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX014927.D

Acq: 12 Feb 2020 15:46

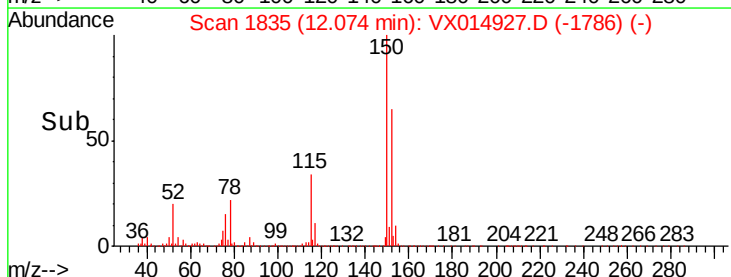
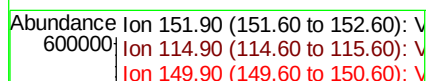
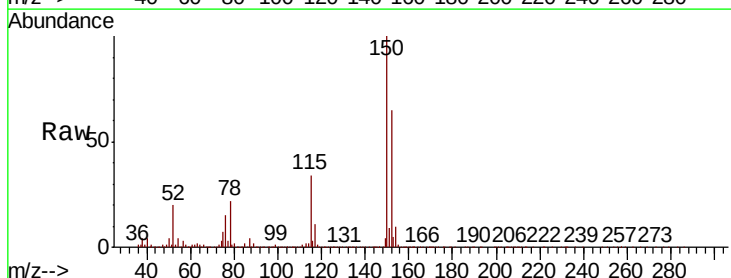
Tgt Ion:152 Resp: 344448

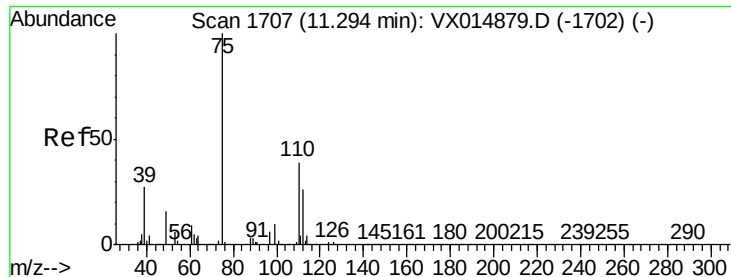
Ion Ratio Lower Upper

152 100

115 53.7 38.6 116.0

150 154.5 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 23.988 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014927.D

Acq: 12 Feb 2020 15:46

Instrument :

MSVOA_X

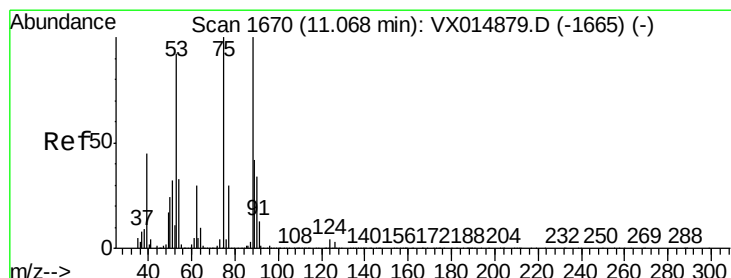
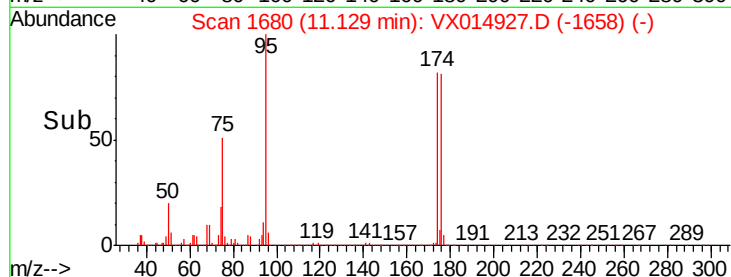
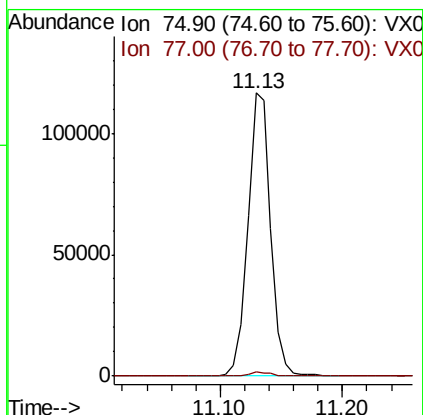
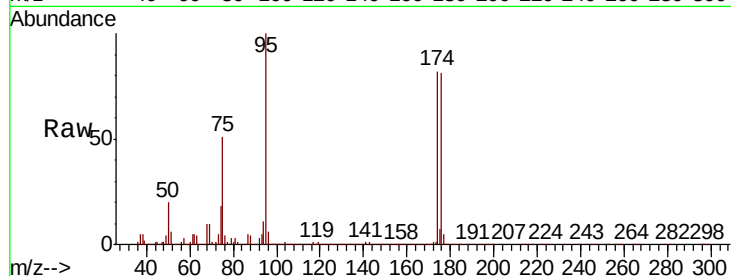
ClientSampleId :

Tot Ion: 75 Resp: 149417

Ion Ratio Lower Upper

75 100

77 1.3 18.4 55.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.403 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014927.D

Acq: 12 Feb 2020 15:46

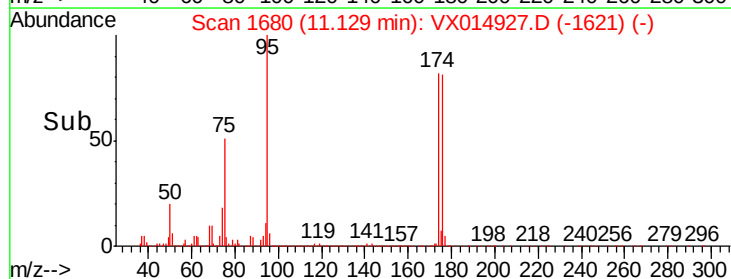
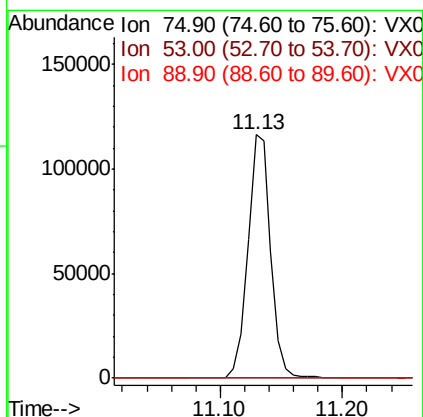
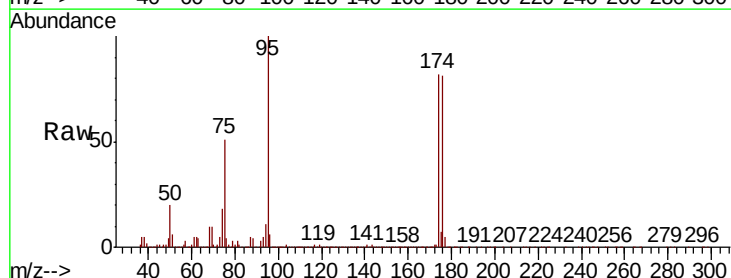
Tgt Ion: 75 Resp: 149417

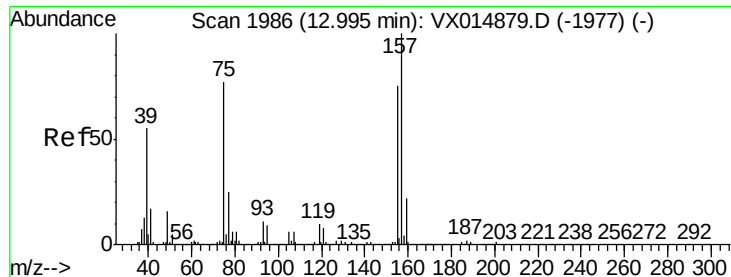
Ion Ratio Lower Upper

75 100

53 0.3 76.2 114.2#

89 0.0 35.8 53.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.218 ug/l

RT: 13.01 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VX014927.D

Acq: 12 Feb 2020 15:46

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 361

Ion Ratio Lower Upper

75 100

155 93.6 48.6 145.9

157 0.0 62.0 186.0#

