

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011720\
 Data File : VX014661.D
 Acq On : 17 Jan 2020 17:40
 Operator : JC/SP
 Sample : L1166-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 18 05:10:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	442023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	690360	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	622764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	275759	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	252920	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
35) Dibromofluoromethane	5.49	113	208466	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
50) Toluene-d8	8.71	98	819053	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.13	95	270381	45.41	ug/l	0.00
Spiked Amount			Recovery	=	90.82%	

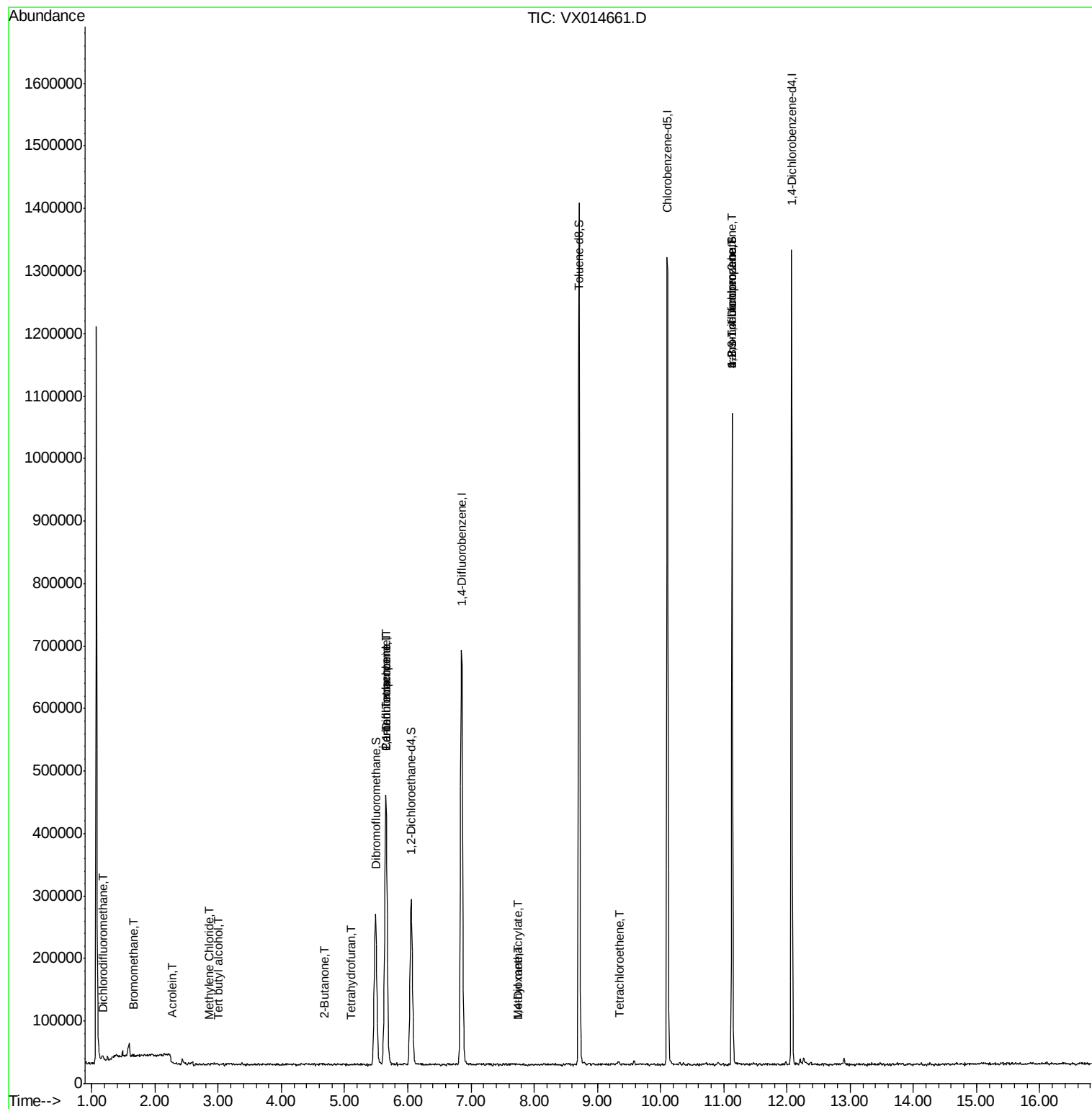
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	395	0.324	ug/l #	1
5) Bromomethane	1.66	94	1121	0.269	ug/l #	55
6) Chloroethane	1.73	64	354	Below Cal	#	54
11) Tert butyl alcohol	3.01	59	512	0.497	ug/l #	1
13) Acrolein	2.28	56	275	0.333	ug/l #	1
20) Methylene Chloride	2.87	84	1370	0.276	ug/l #	20
25) 2-Butanone	4.67	43	749	0.203	ug/l #	55
29) Tetrahydrofuran	5.11	42	478	0.219	ug/l #	32
36) 1,1-Dichloropropene	5.65	75	30815	4.746	ug/l #	50
38) Carbon Tetrachloride	5.65	117	39392	6.594	ug/l #	20
48) Methyl methacrylate	7.74	41	1282	0.235	ug/l #	46
49) 1,4-Dioxane	7.74	88	288	2.491	ug/l #	7
64) Tetrachloroethene	9.34	164	1313	0.210	ug/l #	72
76) 1,2,3-Trichloropropane	11.14	75	134201	23.521	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	134201	62.186	ug/l #	12
88) 1,4-Dichlorobenzene	12.02	146	354	Below Cal		79
93) 1,2,4-Trichlorobenzene	13.64	180	227	Below Cal	#	1
96) 1,2,3-Trichlorobenzene	14.01	180	244	Below Cal	#	1

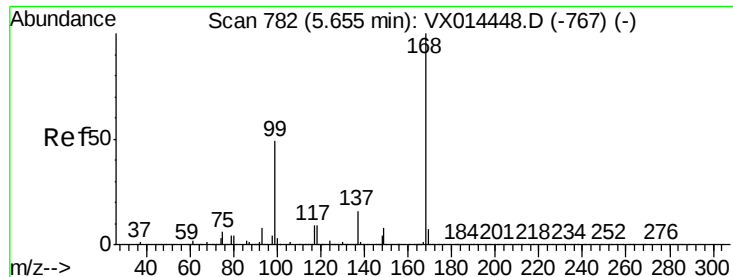
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014661.D

Acq: 17 Jan 2020 17:40

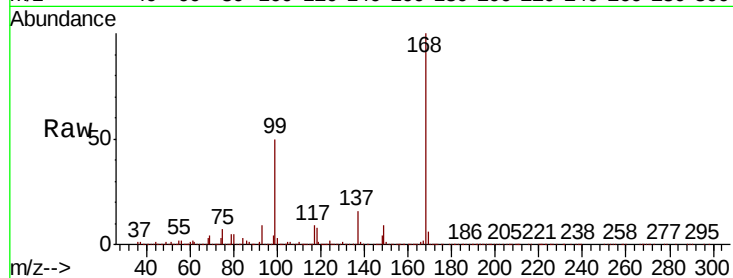
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 442023

Ion Ratio Lower Upper

168 100

99 50.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

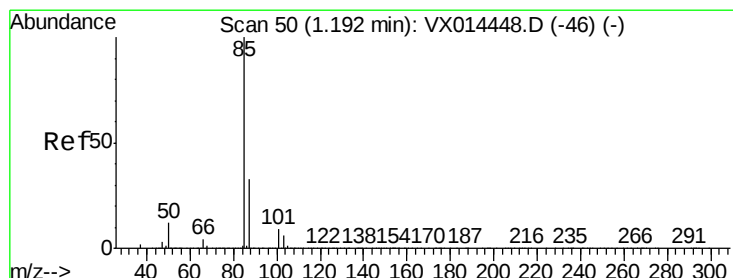
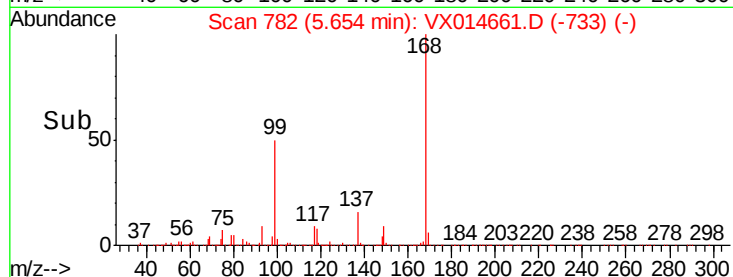
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.324 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX014661.D

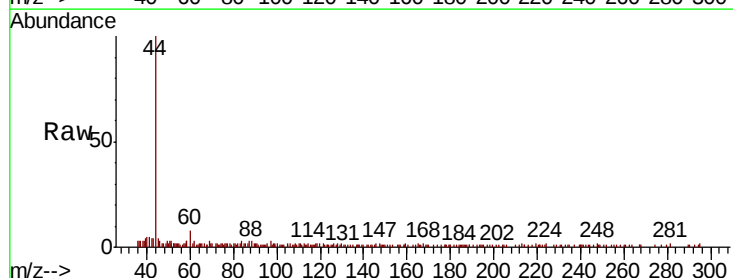
Acq: 17 Jan 2020 17:40

Tgt Ion: 85 Resp: 395

Ion Ratio Lower Upper

85 100

87 100.4 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

400

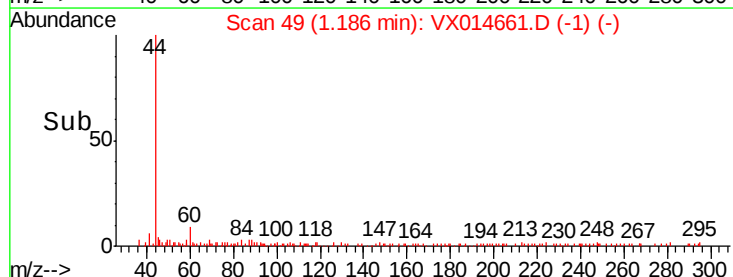
300

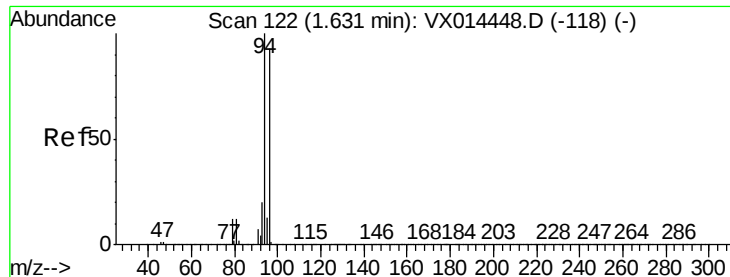
200

100

0

Time-->





#5

Bromomethane

Concen: 0.269 ug/l

RT: 1.66 min Scan# 127

Delta R.T. 0.03 min

Lab File: VX014661.D

Acq: 17 Jan 2020 17:40

Instrument :

MSVOA_X

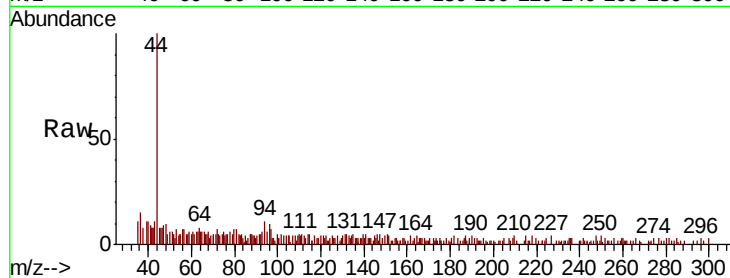
ClientSampled :

Tot Ion: 94 Resp: 1121

Ion Ratio Lower Upper

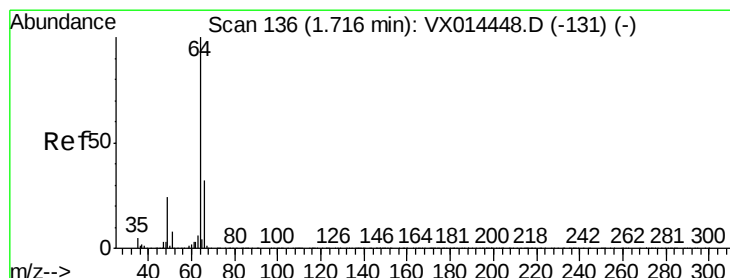
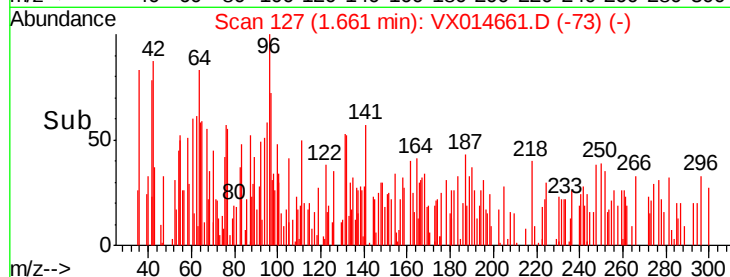
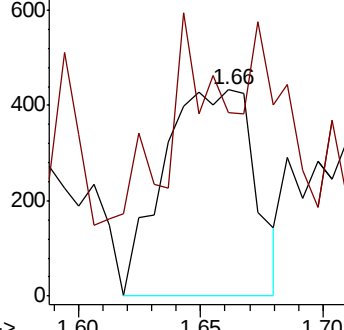
94 100

96 49.2 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 138

Delta R.T. 0.01 min

Lab File: VX014661.D

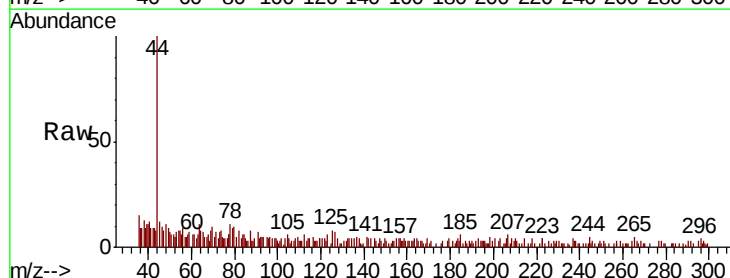
Acq: 17 Jan 2020 17:40

Tgt Ion: 64 Resp: 354

Ion Ratio Lower Upper

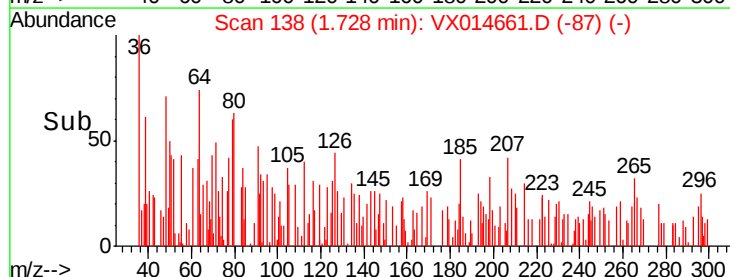
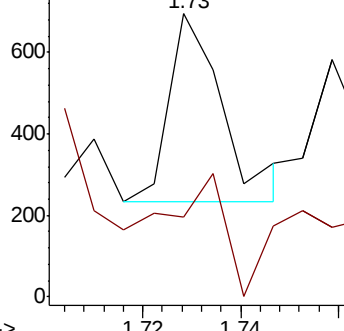
64 100

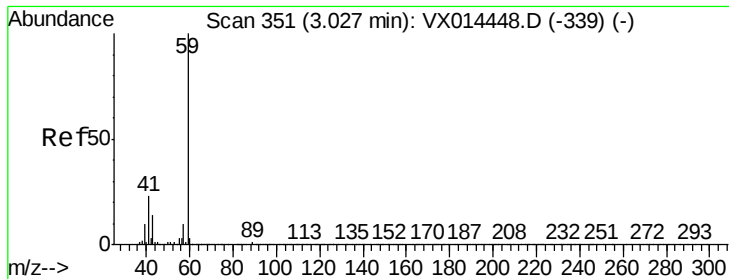
66 6.3 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



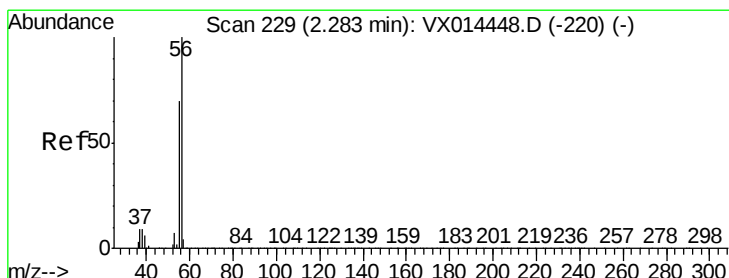
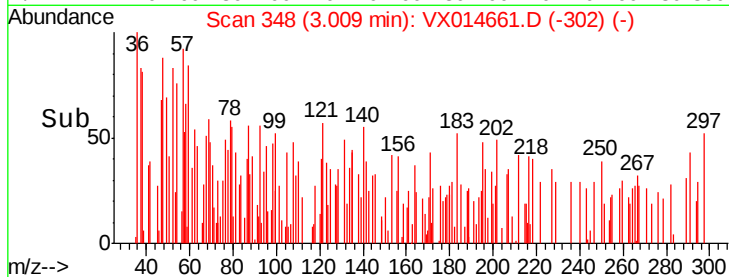
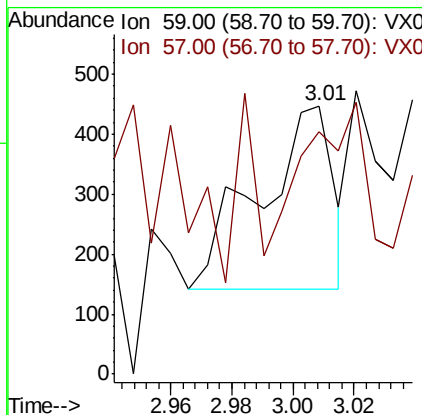
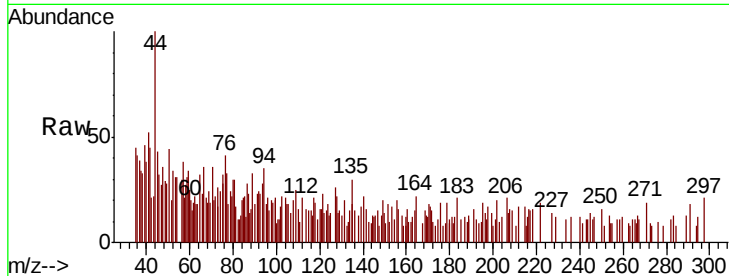


#11

Tert butyl alcohol
Concen: 0.497 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX014661.D
Acq: 17 Jan 2020 17:40

Instrument :
MSVOA_X
ClientSampled :

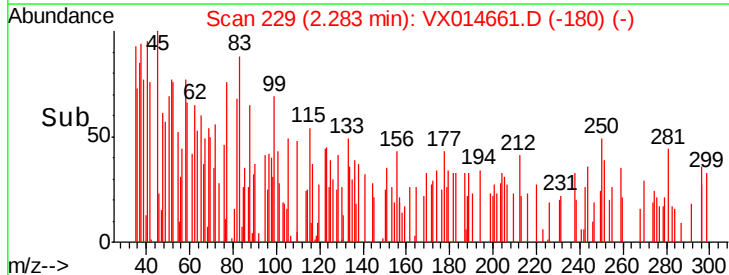
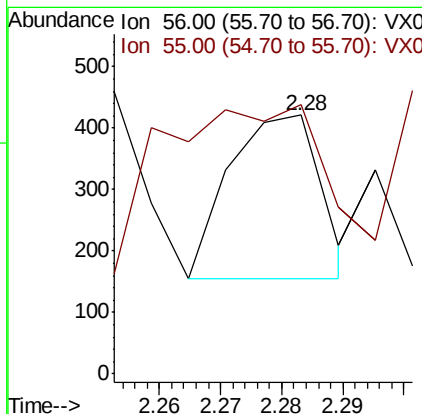
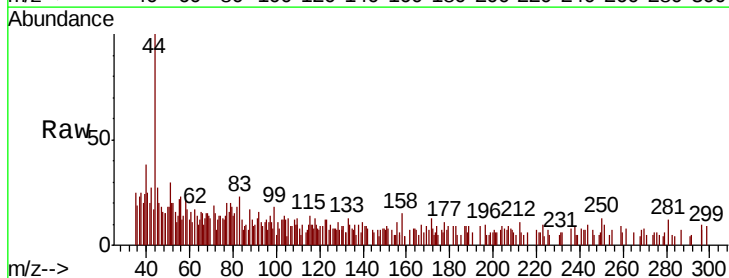
Tot Ion: 59 Resp: 512
Ion Ratio Lower Upper
59 100
57 100.2 8.5 12.7#

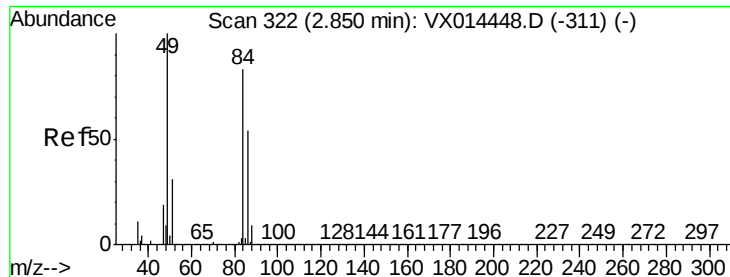


#13

Acrolein
Concen: 0.333 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX014661.D
Acq: 17 Jan 2020 17:40

Tgt Ion: 56 Resp: 275
Ion Ratio Lower Upper
56 100
55 187.3 55.0 82.6#





#20

Methylene Chloride

Concen: 0.276 ug/l

RT: 2.87 min Scan# 325

Delta R.T. 0.02 min

Lab File: VX014661.D

Acq: 17 Jan 2020 17:40

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 1370

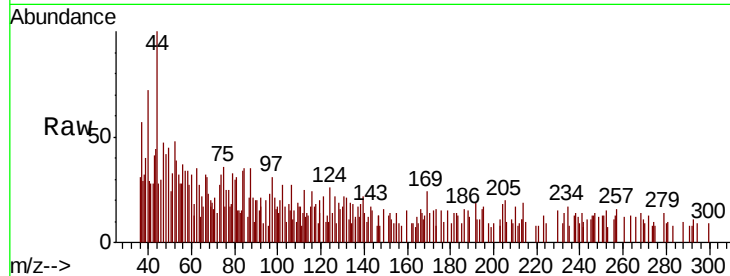
Ion Ratio Lower Upper

84 100

49 25.4 95.8 143.8#

51 0.0 30.2 45.4#

86 0.0 51.8 77.6#

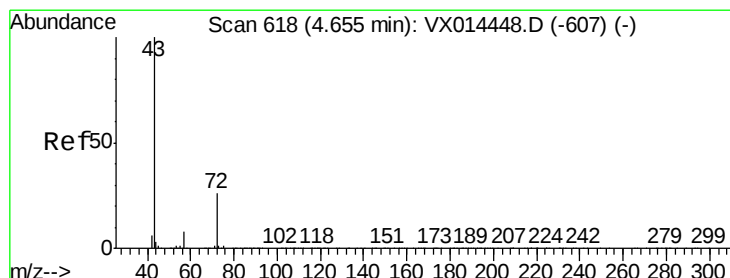
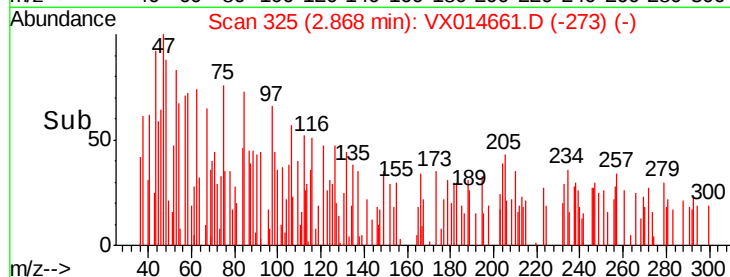
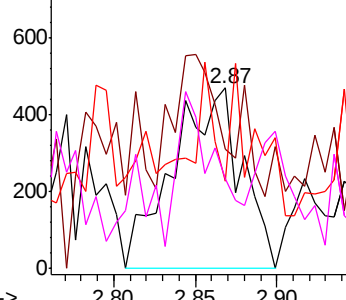


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.203 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX014661.D

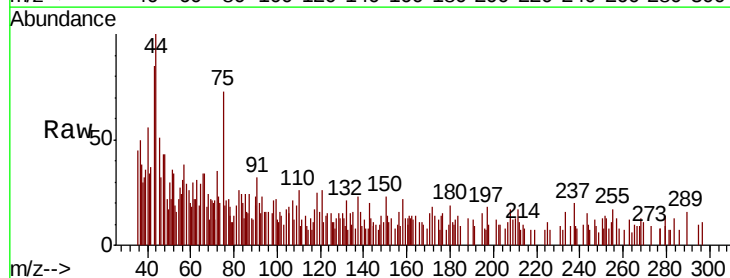
Acq: 17 Jan 2020 17:40

Tgt Ion: 43 Resp: 749

Ion Ratio Lower Upper

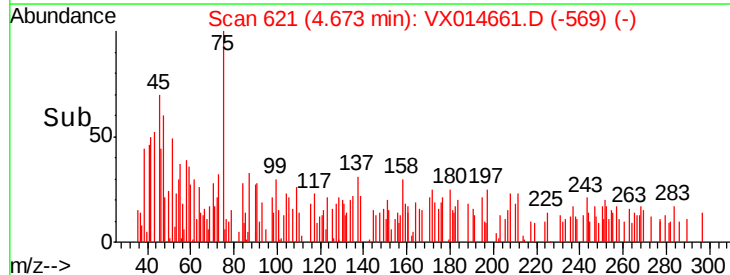
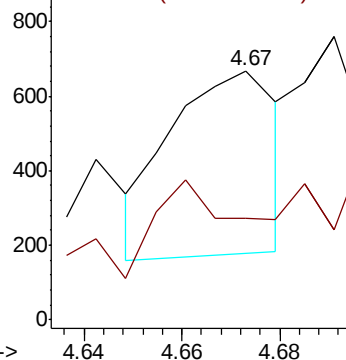
43 100

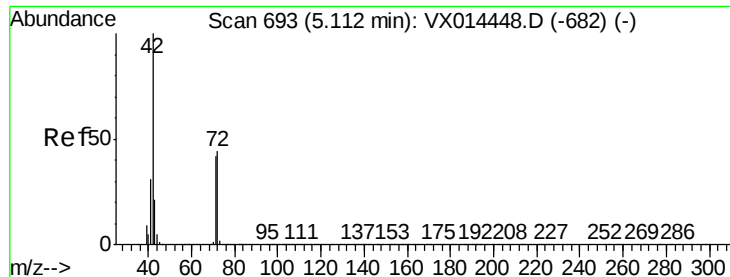
72 48.8 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.219 ug/l

RT: 5.11 min Scan# 692

Delta R.T. -0.01 min

Lab File: VX014661.D

Acq: 17 Jan 2020 17:40

Instrument :

MSVOA_X

ClientSampled :

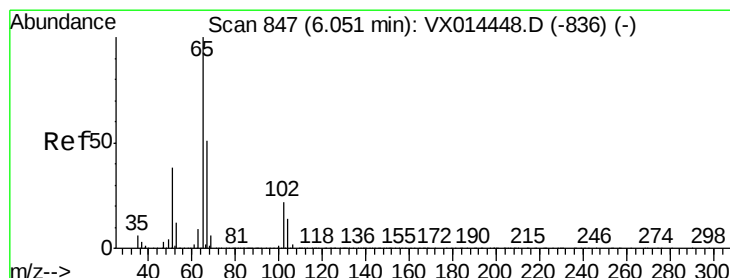
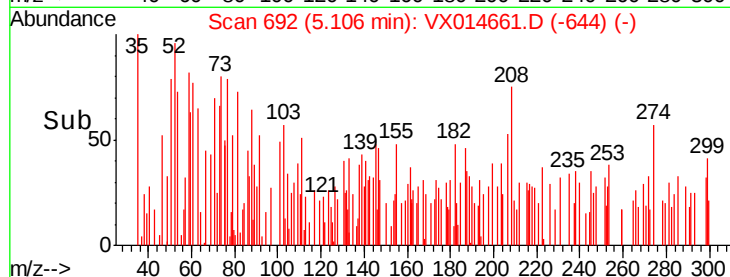
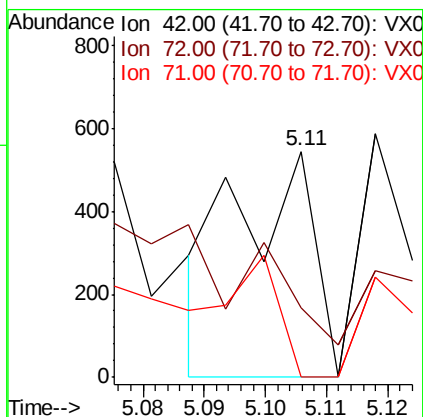
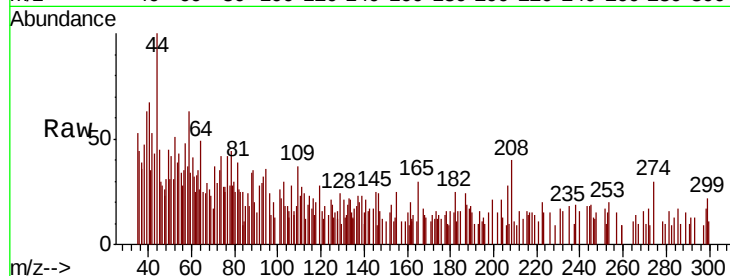
Tot Ion: 42 Resp: 478

Ion Ratio Lower Upper

42 100

72 0.0 36.2 54.4#

71 0.0 34.1 51.1#



#33

1,2-Dichloroethane-d4

Concen: 51.256 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014661.D

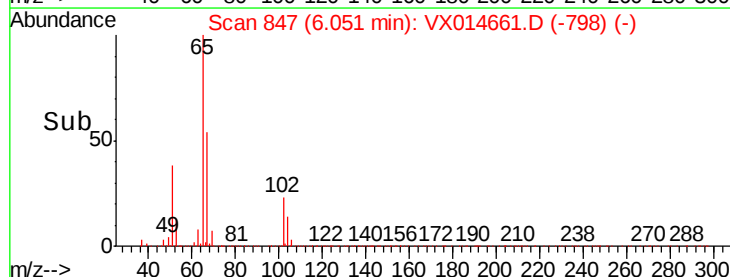
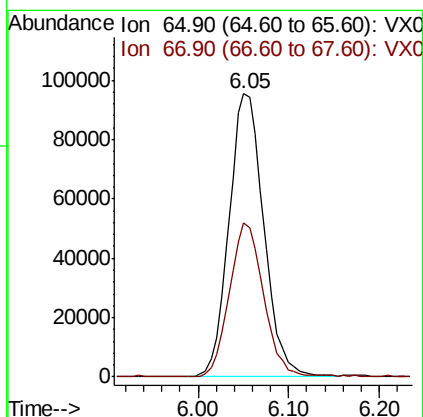
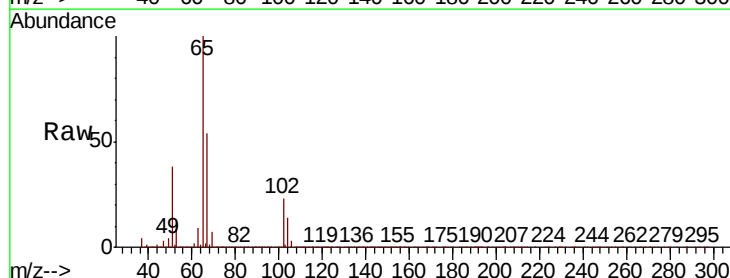
Acq: 17 Jan 2020 17:40

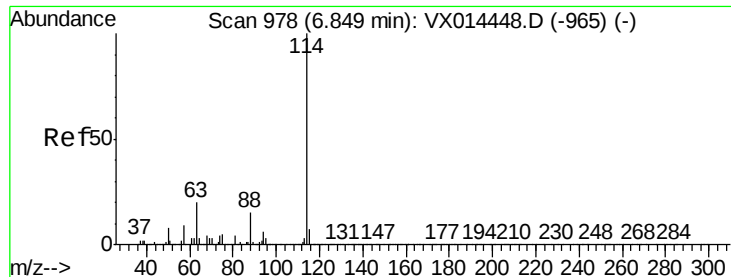
Tgt Ion: 65 Resp: 252920

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014661.D

Acq: 17 Jan 2020 17:40

Instrument :

MSVOA_X

ClientSampleId :

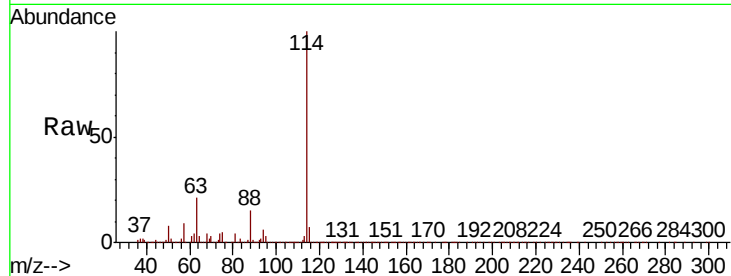
Tot Ion:114 Resp: 690360

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.6

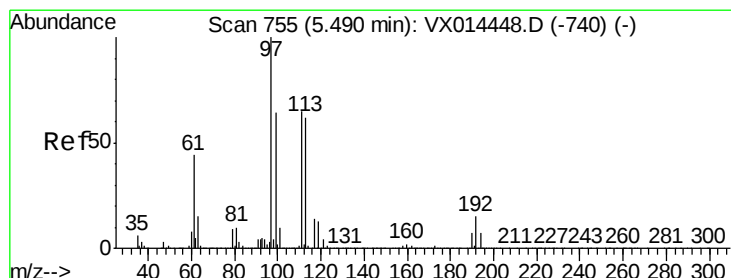
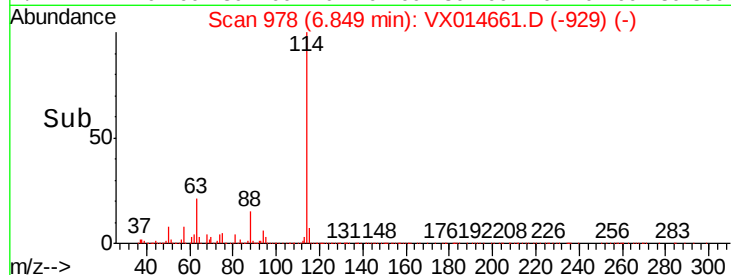
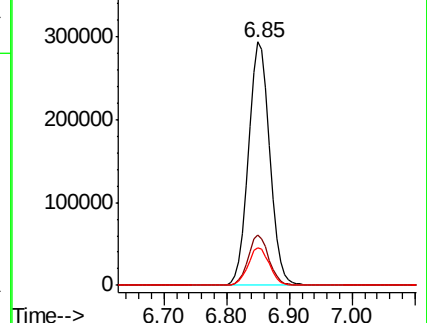
88 15.2 0.0 30.8



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: 49.884 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014661.D

Acq: 17 Jan 2020 17:40

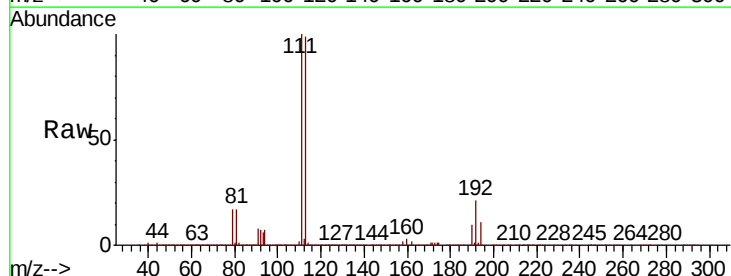
Tgt Ion:113 Resp: 208466

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

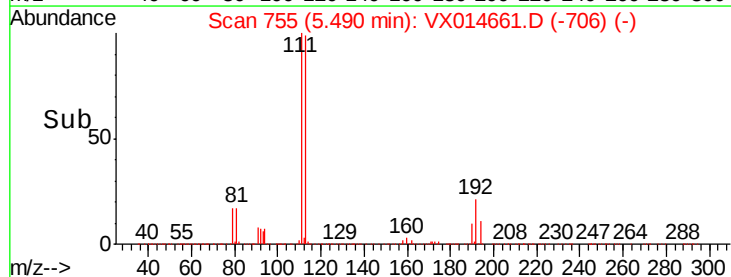
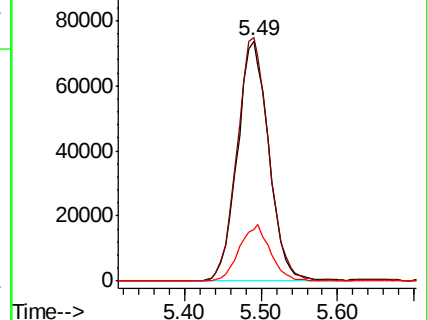
192 23.4 19.2 28.8

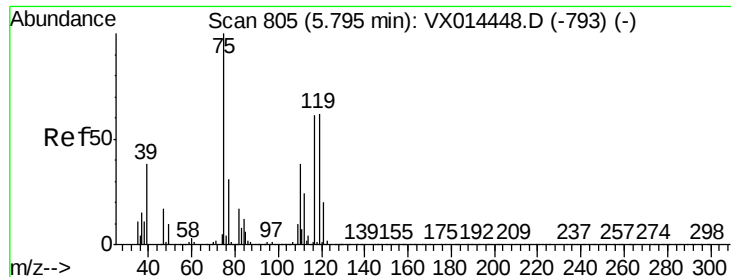


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

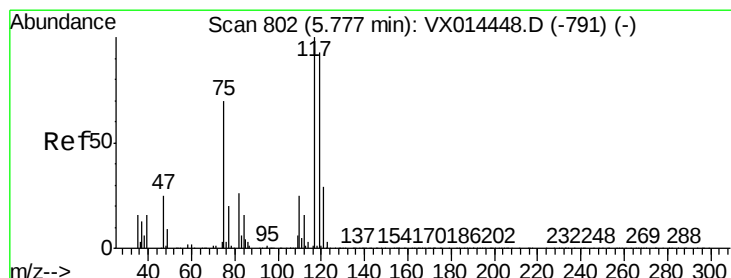
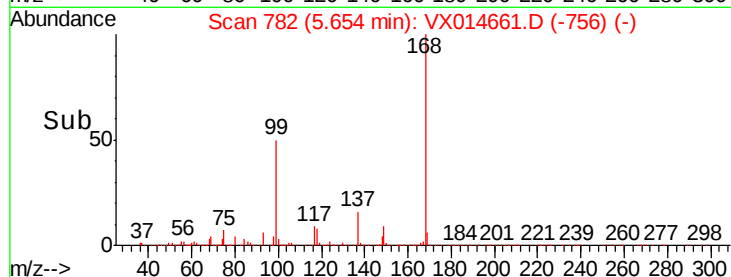
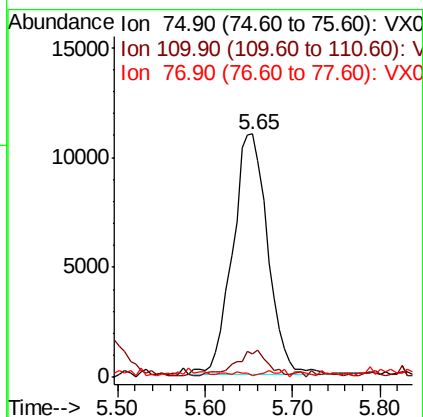
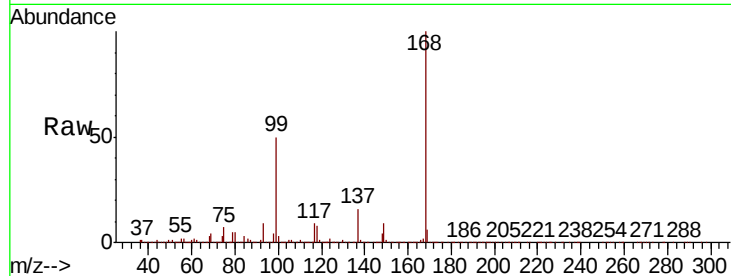




#36
 1,1-Dichloropropene
 Concen: 4.746 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX014661.D
 Acq: 17 Jan 2020 17:40

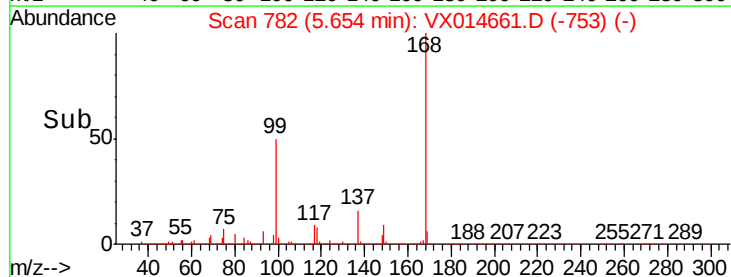
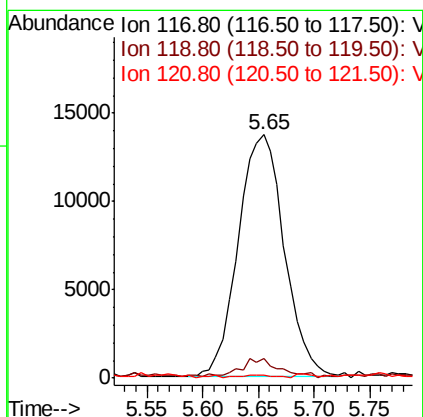
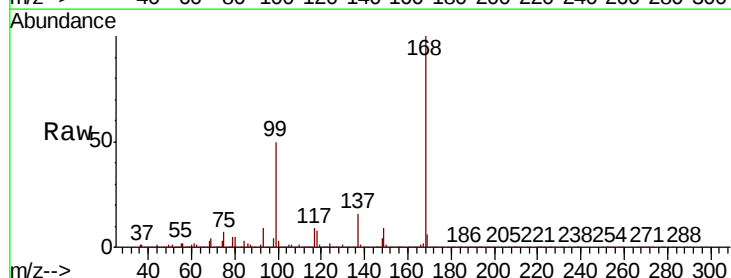
Instrument :
 MSVOA_X
 ClientSampleId :

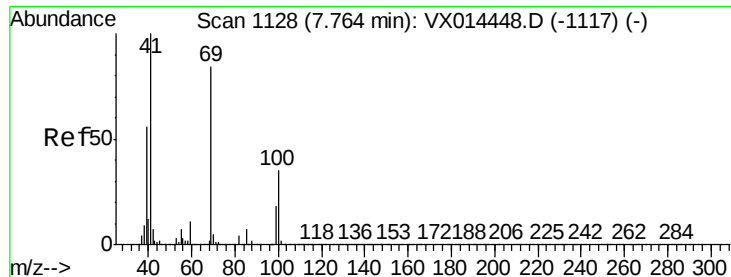
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.6	55.8#
77	0.6	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.594 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014661.D
 Acq: 17 Jan 2020 17:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.6	73.8	110.8#
121	0.4	23.4	35.0#





#48

Methyl methacrylate

Concen: 0.235 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. -0.02 min

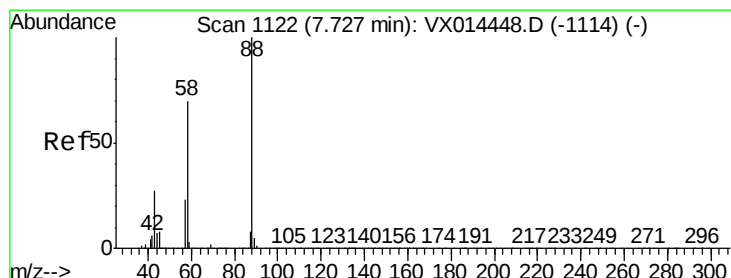
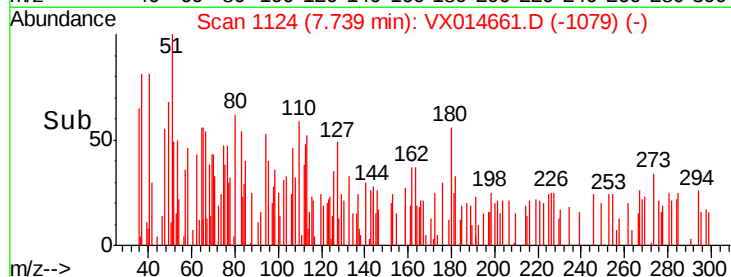
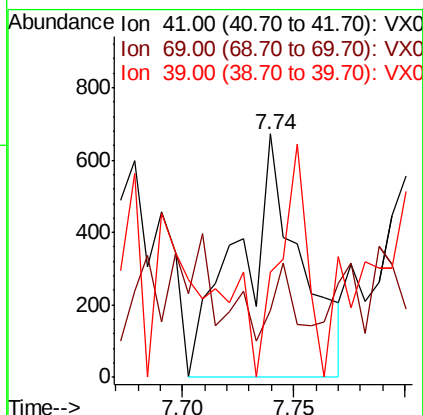
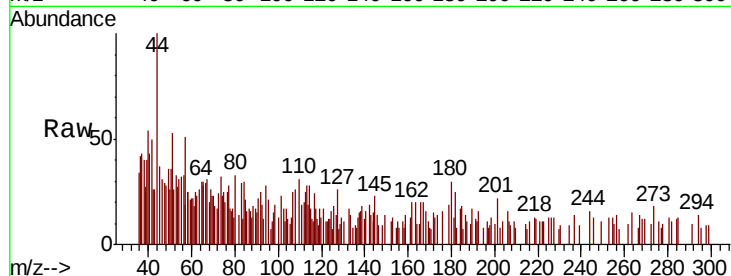
Lab File: VX014661.D

Acq: 17 Jan 2020 17:40

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 41 Resp: 1282

Ion	Ratio	Lower	Upper
41	100		
69	11.1	65.5	98.3#
39	42.6	43.9	65.9#



#49

1,4-Dioxane

Concen: 2.491 ug/l

RT: 7.74 min Scan# 1124

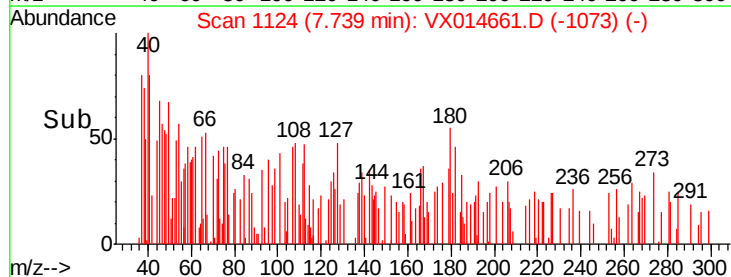
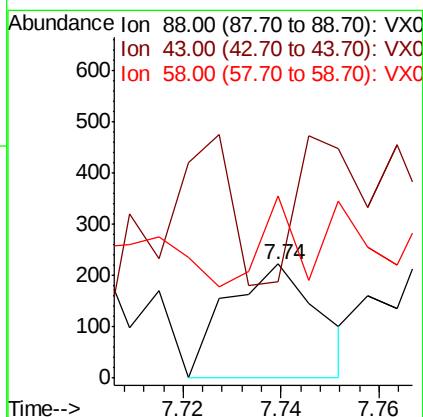
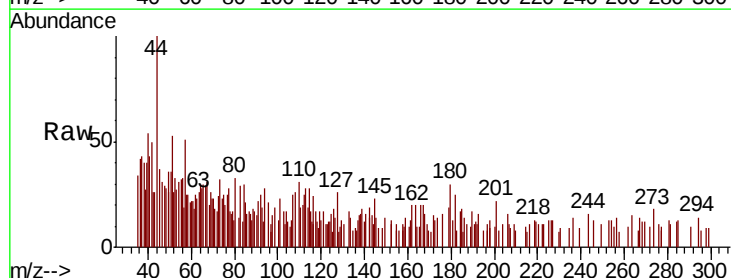
Delta R.T. 0.01 min

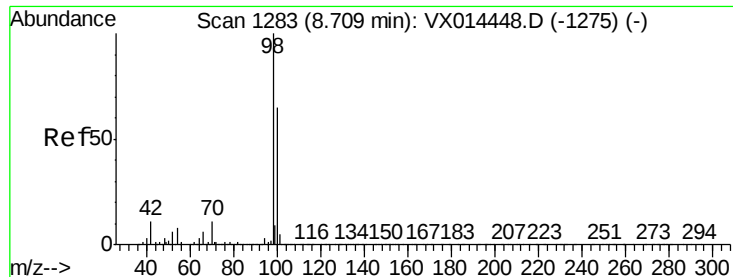
Lab File: VX014661.D

Acq: 17 Jan 2020 17:40

Tgt Ion: 88 Resp: 288

Ion	Ratio	Lower	Upper
88	100		
43	163.9	27.4	41.0#
58	47.6	57.1	85.7#

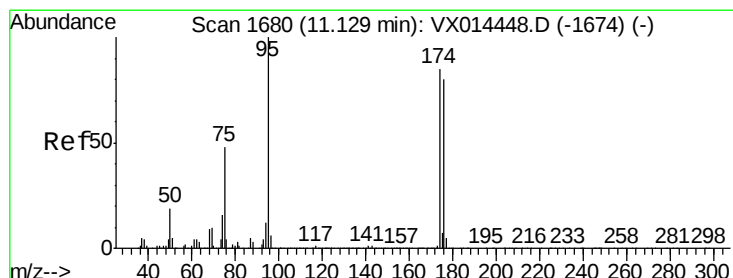
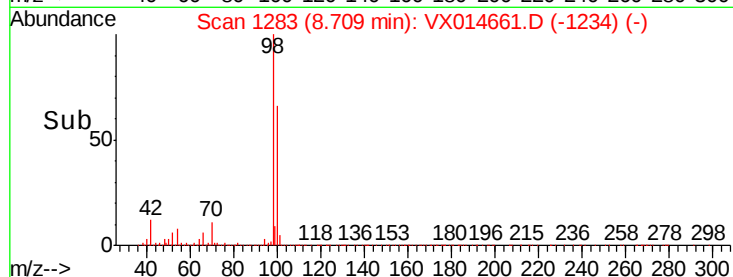
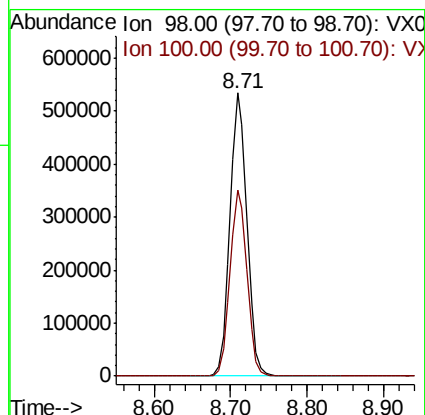
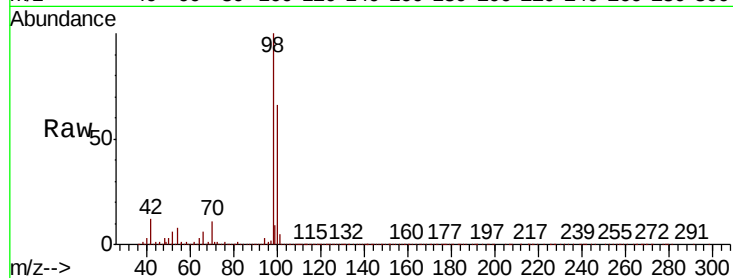




#50
Toluene-d8
Concen: 50.504 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014661.D
Acq: 17 Jan 2020 17:40

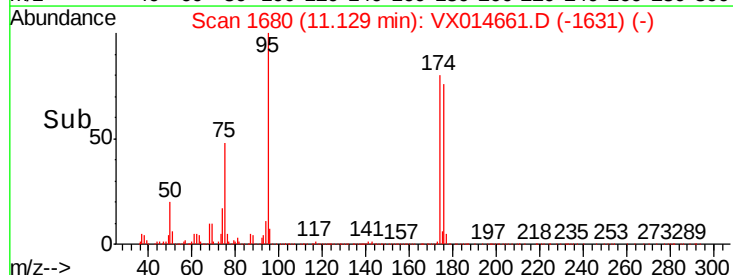
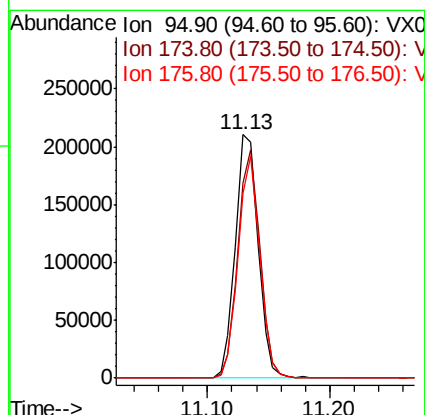
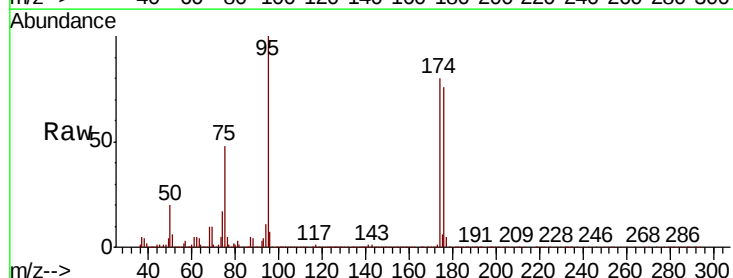
Instrument :
MSVOA_X
ClientSampleId :

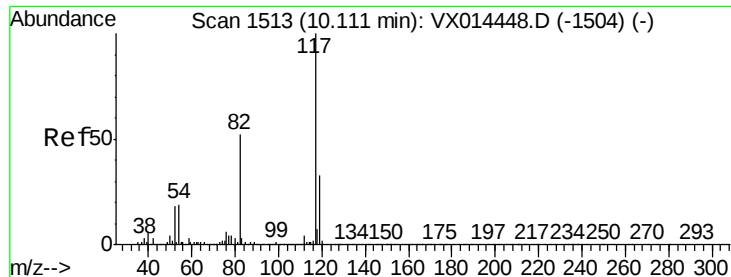
Tot Ion: 98 Resp: 819053
Ion Ratio Lower Upper
98 100
100 65.7 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 45.415 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014661.D
Acq: 17 Jan 2020 17:40

Tgt Ion: 95 Resp: 270381
Ion Ratio Lower Upper
95 100
174 90.8 0.0 180.8
176 86.7 0.0 172.8

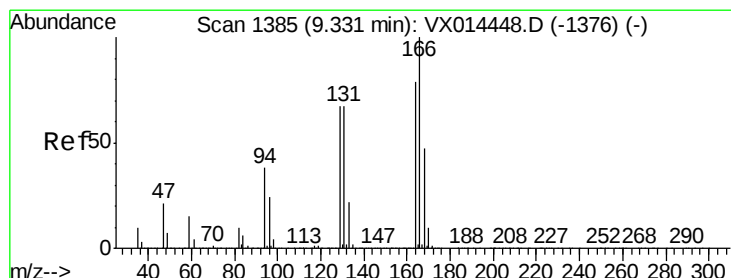
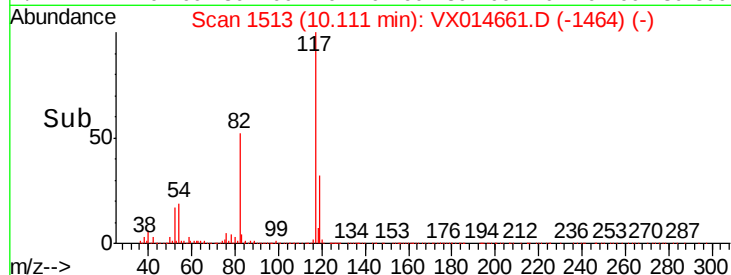
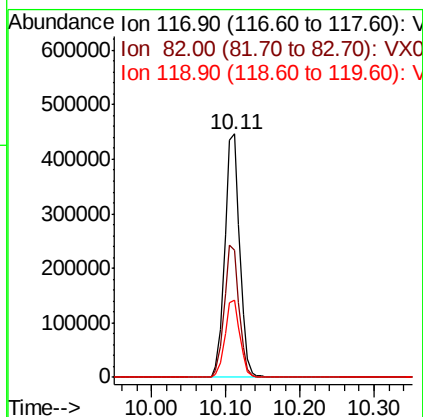
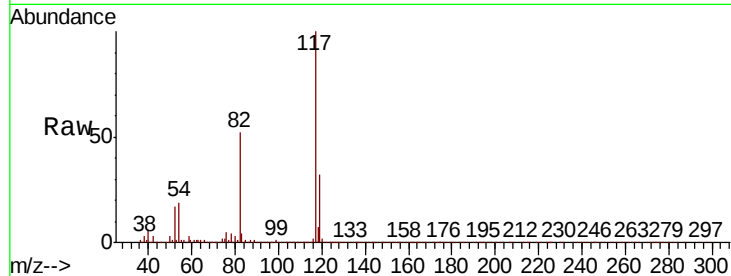




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014661.D
Acq: 17 Jan 2020 17:40

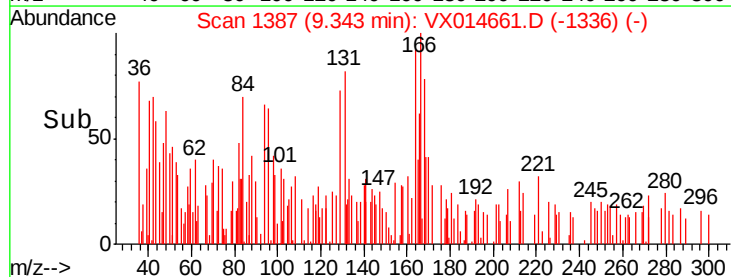
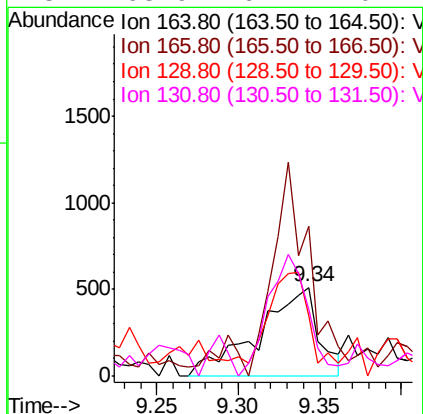
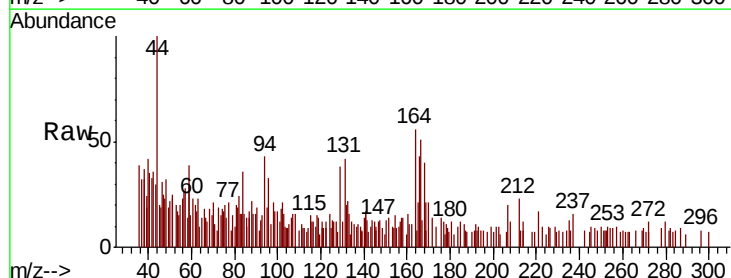
Instrument :
MSVOA_X
ClientSampled :

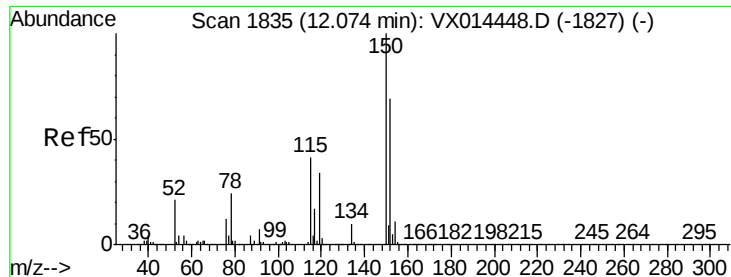
Tot Ion:117 Resp: 622764
Ion Ratio Lower Upper
117 100
82 52.1 41.8 62.6
119 31.8 26.2 39.4



#64
Tetrachloroethene
Concen: 0.210 ug/l
RT: 9.34 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VX014661.D
Acq: 17 Jan 2020 17:40

Tgt Ion:164 Resp: 1313
Ion Ratio Lower Upper
164 100
166 158.1 101.2 151.8#
129 52.6 68.3 102.5#
131 63.9 67.4 101.2#



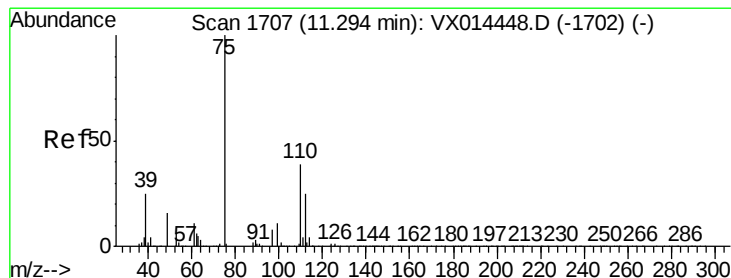
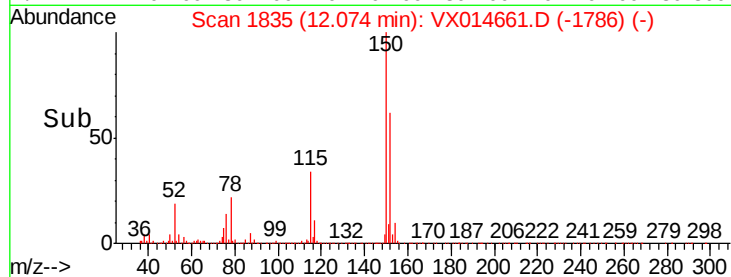
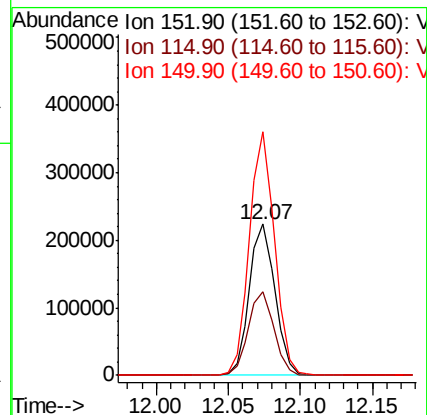
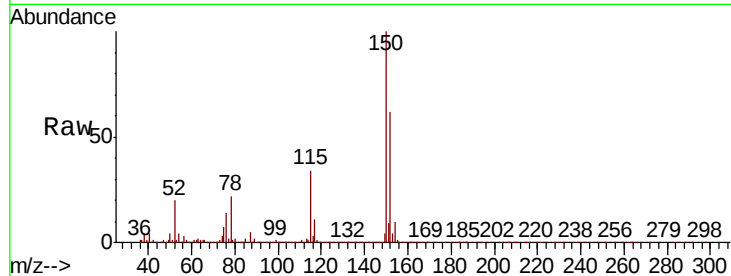


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014661.D
Acq: 17 Jan 2020 17:40

Instrument :
MSVOA_X
ClientSampleId :

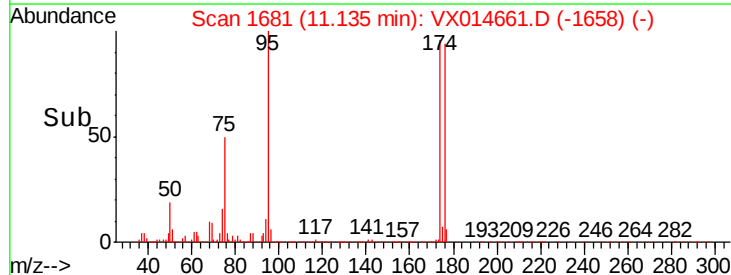
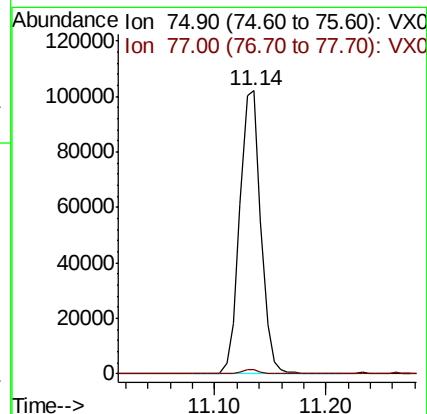
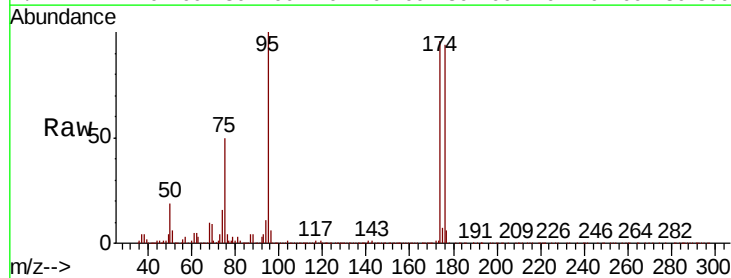
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.2	39.5	118.3
150	157.2	0.0	350.2

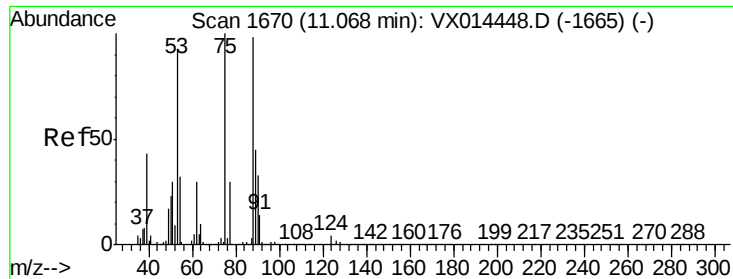


#76

1,2,3-Trichloropropane
Concen: 23.521 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.16 min
Lab File: VX014661.D
Acq: 17 Jan 2020 17:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	21.9	65.7

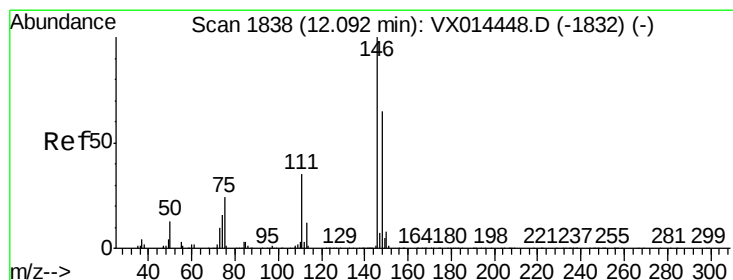
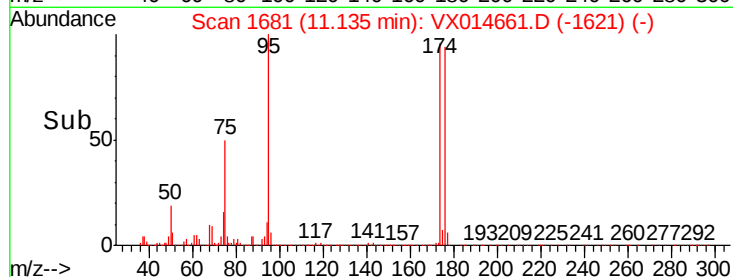
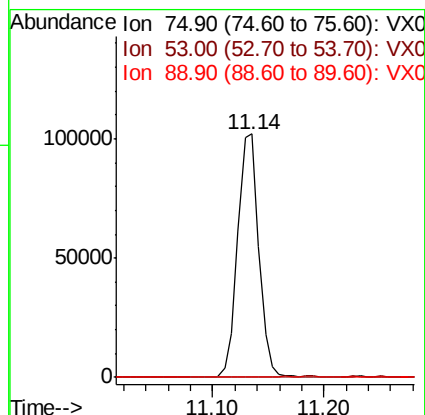
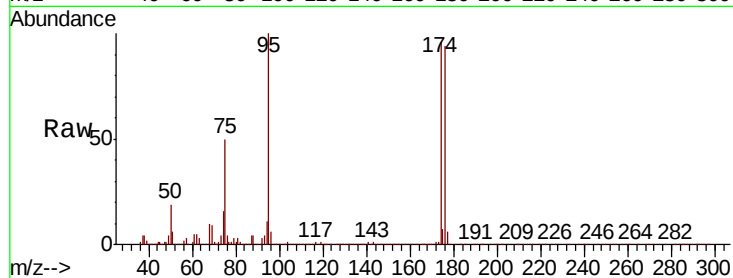




#81
trans-1,4-Dichloro-2-butene
Concen: 62.186 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.07 min
Lab File: VX014661.D
Acq: 17 Jan 2020 17:40

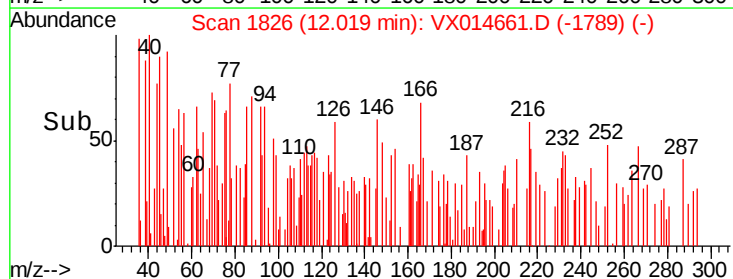
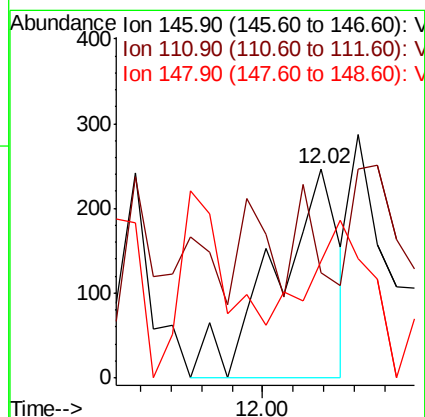
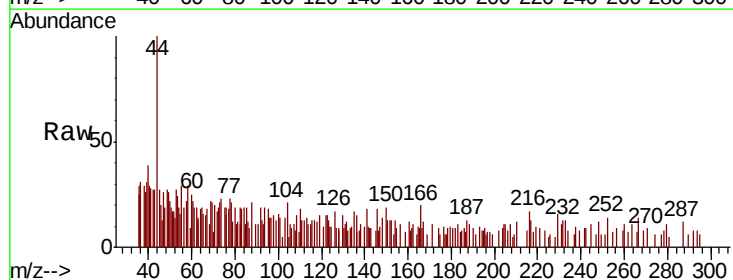
Instrument :
MSVOA_X
ClientSampleId :

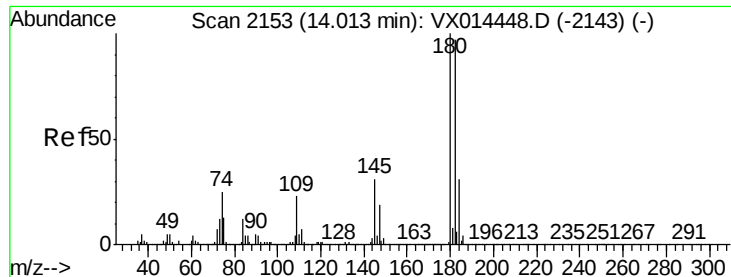
Tot Ion: 75 Resp: 134201
Ion Ratio Lower Upper
75 100
53 0.2 74.8 112.2#
89 0.1 36.3 54.5#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 12.02 min Scan# 1826
Delta R.T. -0.07 min
Lab File: VX014661.D
Acq: 17 Jan 2020 17:40

Tgt Ion: 146 Resp: 354
Ion Ratio Lower Upper
146 100
111 49.2 18.1 54.1
148 79.7 32.1 96.3





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014661.D
 Acq: 17 Jan 2020 17:40

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.9	143.6#
145	93.9	14.8	44.3#

