

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012820\
 Data File : VX014745.D
 Acq On : 28 Jan 2020 12:41
 Operator : JC/SP
 Sample : L1245-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 23:18:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

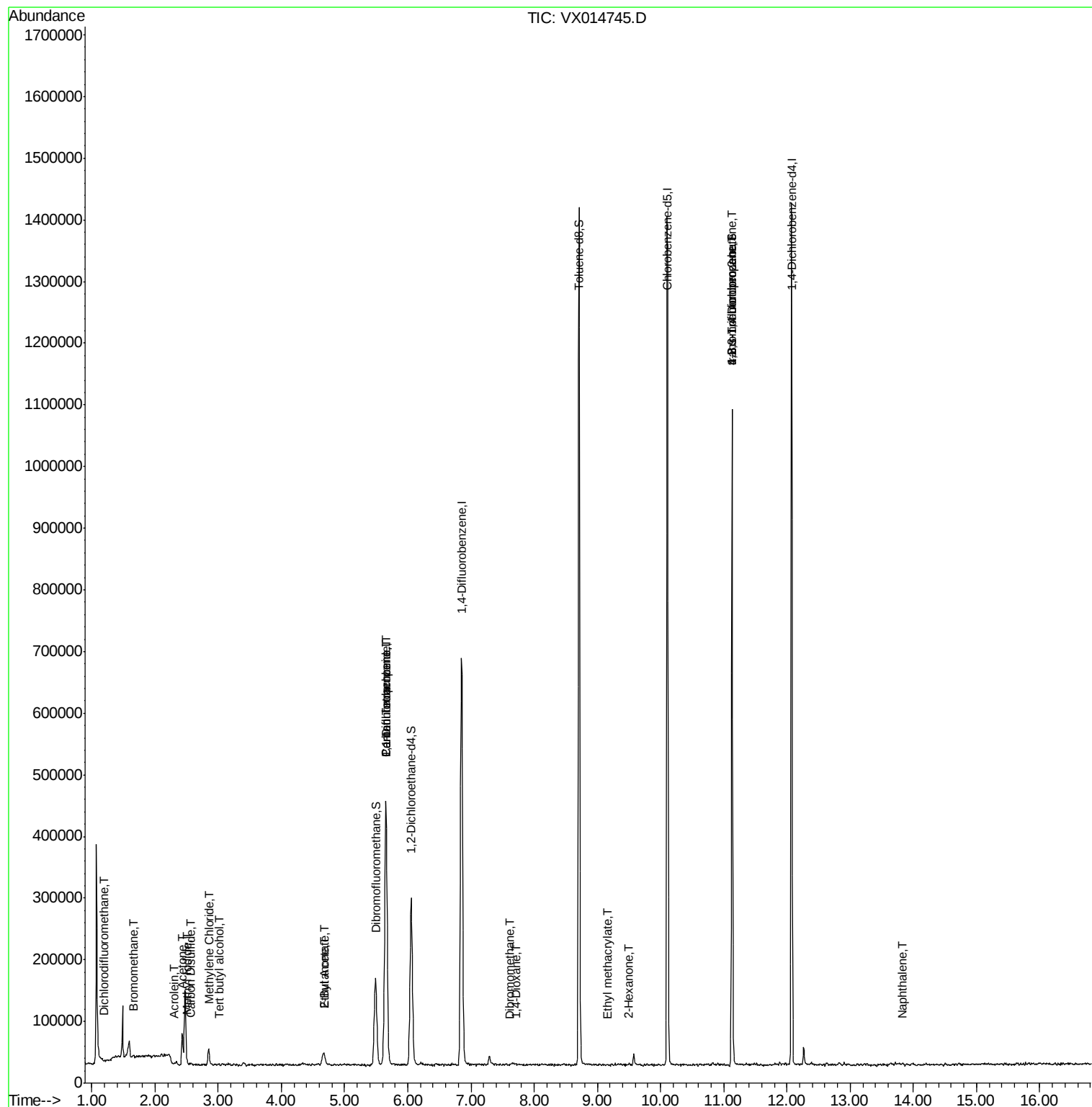
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	431955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	684856	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	638984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	292003	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	254834	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	5.49	113	124107	28.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.44%	
50) Toluene-d8	8.71	98	823146	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	11.13	95	279320	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	324	0.586	ug/l #	52
5) Bromomethane	1.65	94	1516	0.353	ug/l #	80
6) Chloroethane	1.72	64	213	Below Cal	#	61
10) Methyl Iodide	2.51	142	1414	0.250	ug/l #	51
11) Tert butyl alcohol	3.03	59	1046	0.924	ug/l #	29
13) Acrolein	2.30	56	1046	1.171	ug/l #	60
16) Acetone	2.43	43	55478	20.206	ug/l	97
17) Carbon Disulfide	2.56	76	4132	0.352	ug/l #	92
20) Methylene Chloride	2.84	84	13905	2.718	ug/l	94
25) 2-Butanone	4.67	43	13807	3.486	ug/l	93
36) 1,1-Dichloropropene	5.65	75	29975	4.710	ug/l #	51
37) Ethyl Acetate	4.67	43	13807	1.894	ug/l #	72
38) Carbon Tetrachloride	5.65	117	39962	6.575	ug/l #	16
41) Methacrylonitrile	5.00	41	308	Below Cal	#	53
46) Dibromomethane	7.62	93	822	0.251	ug/l #	24
49) 1,4-Dioxane	7.72	88	365	3.019	ug/l #	1
56) Ethyl methacrylate	9.16	69	282	1.817	ug/l #	43
59) 2-Hexanone	9.50	43	2115	0.362	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	140145	20.629	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	140145	58.706	ug/l #	10
95) Naphthalene	13.83	128	1289	0.993	ug/l #	84

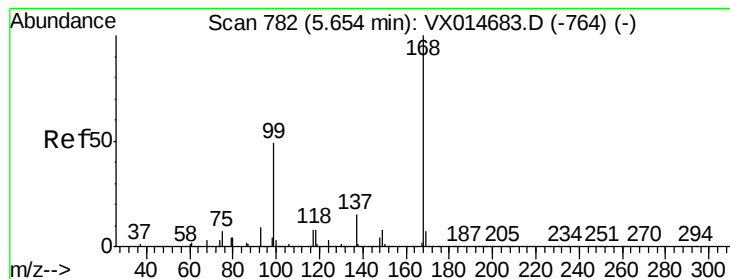
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 22 12:35:15 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: VX014745.D

Acq: 28 Jan 2020 12:41

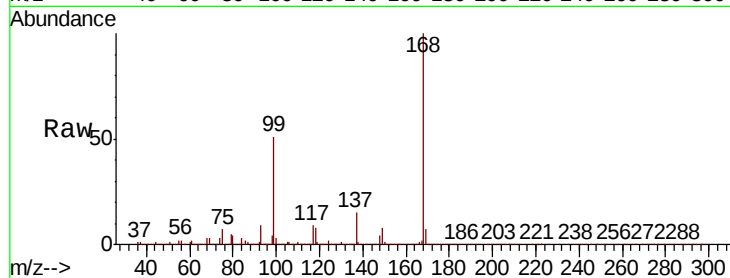
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 431955

Ion Ratio Lower Upper

168 100

99 50.5 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

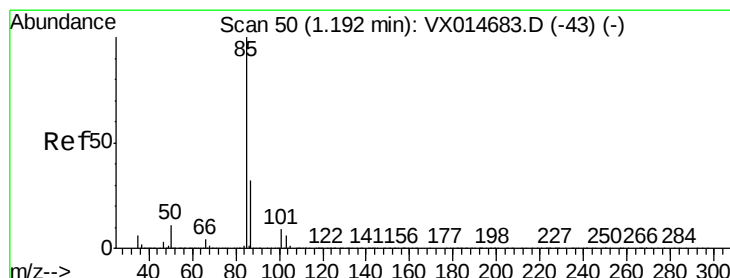
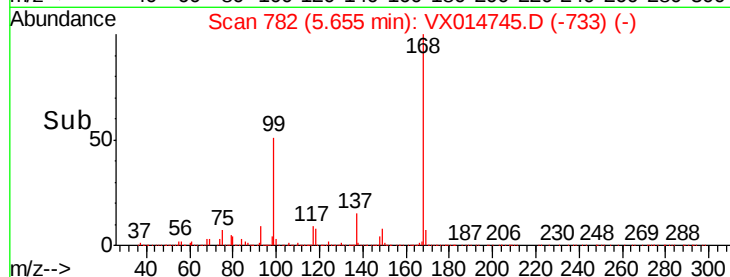
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.586 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014745.D

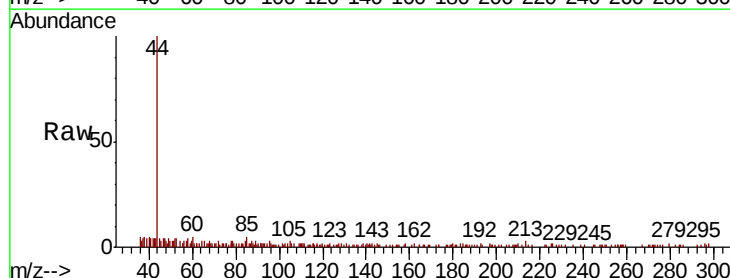
Acq: 28 Jan 2020 12:41

Tgt Ion: 85 Resp: 324

Ion Ratio Lower Upper

85 100

87 59.4 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400

300

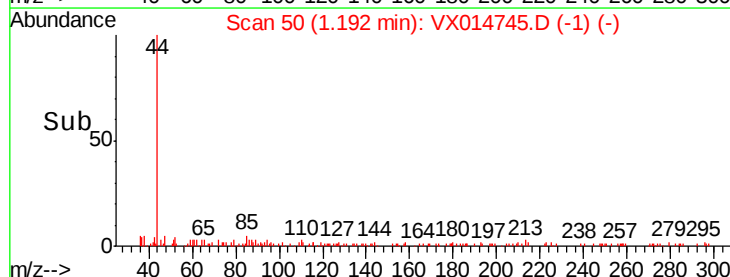
200

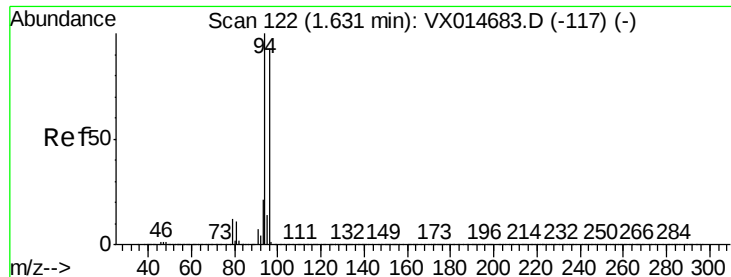
100

0

1.18 1.20 1.22

Time-->





#5

Bromomethane

Concen: 0.353 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014745.D

Acq: 28 Jan 2020 12:41

Instrument :

MSVOA_X

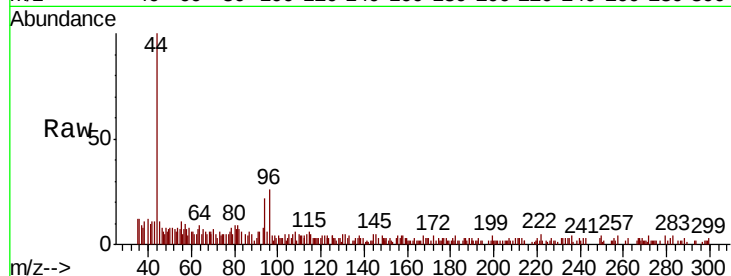
ClientSampled :

Tot Ion: 94 Resp: 1516

Ion Ratio Lower Upper

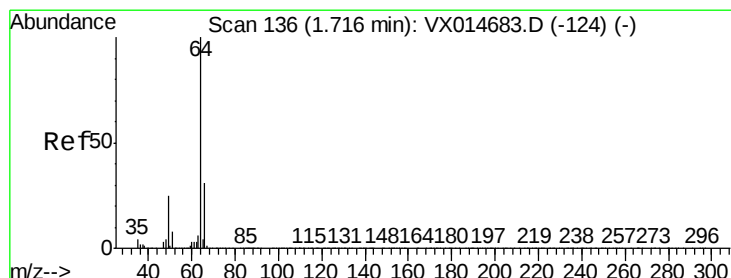
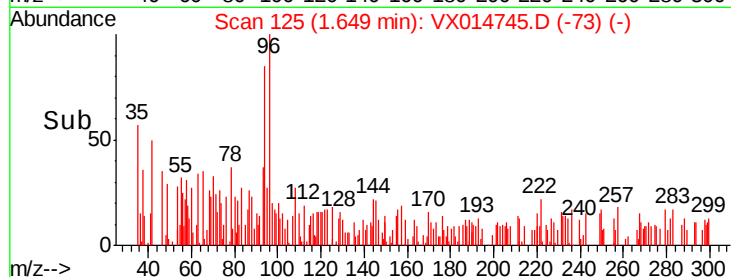
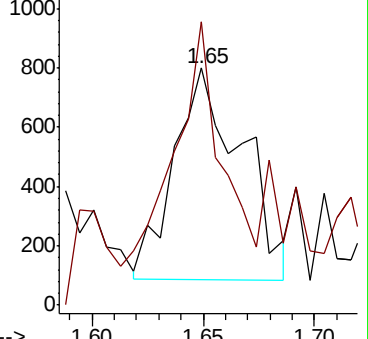
94 100

96 112.4 74.7 112.1#



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: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX014745.D

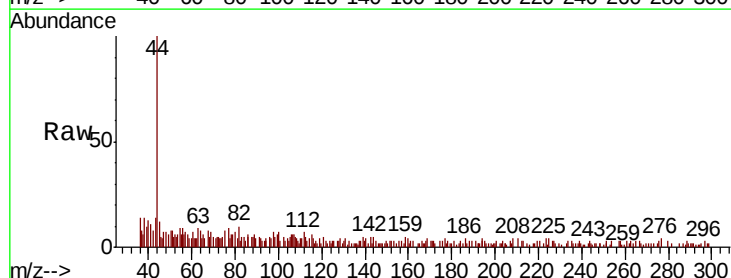
Acq: 28 Jan 2020 12:41

Tgt Ion: 64 Resp: 213

Ion Ratio Lower Upper

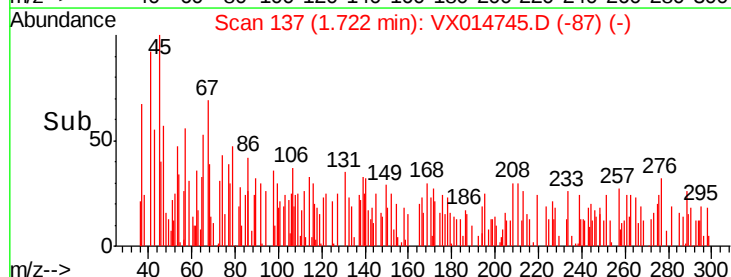
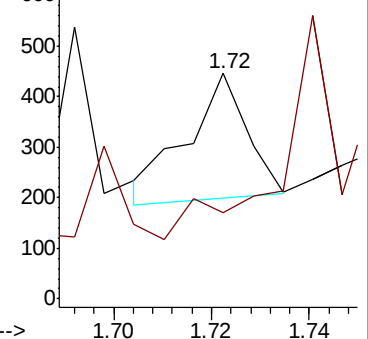
64 100

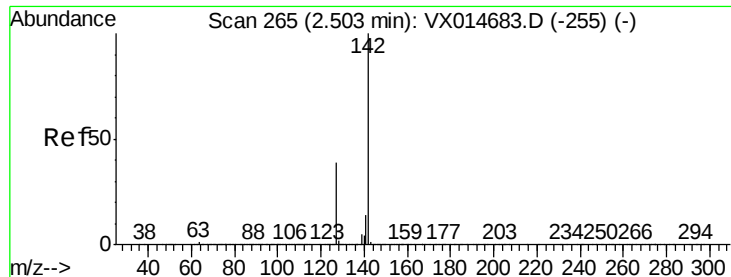
66 9.8 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

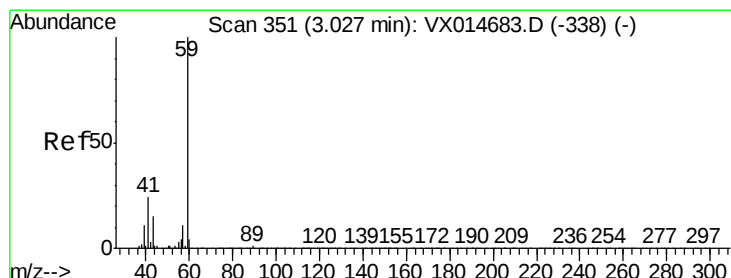
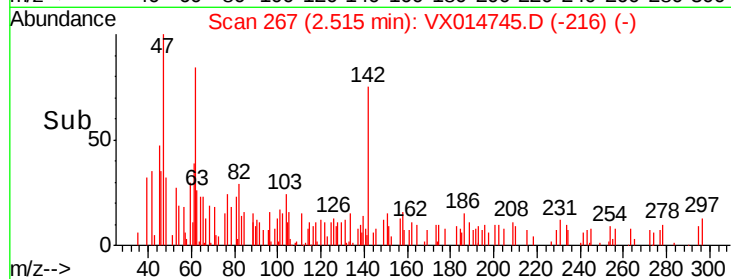
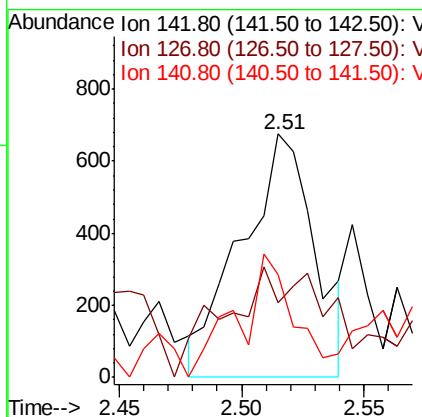
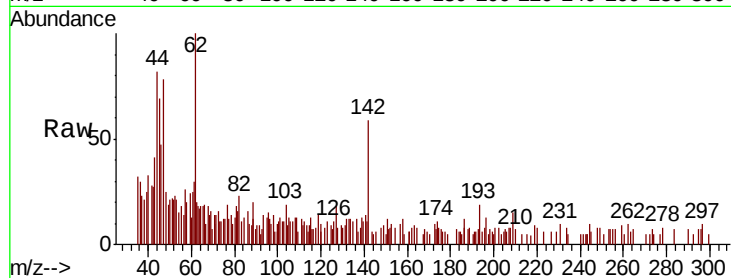




#10
Methvl Iodide
Concen: 0.250 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX014745.D
Acq: 28 Jan 2020 12:41

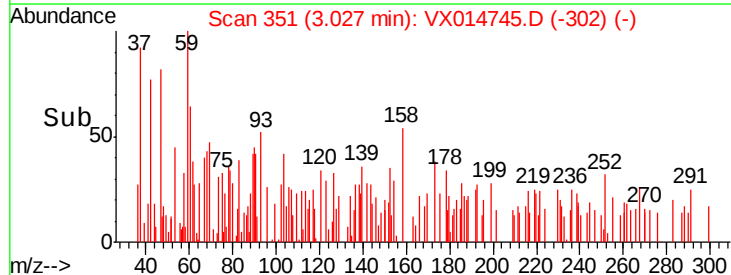
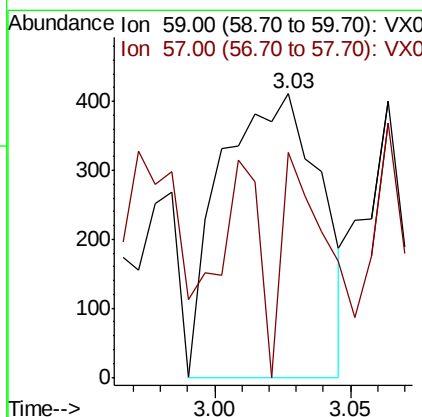
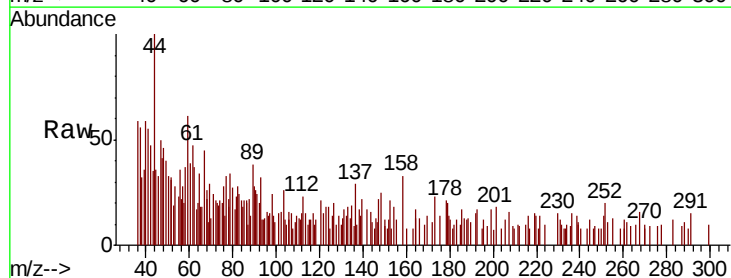
Instrument :
MSVOA_X
ClientSampled :

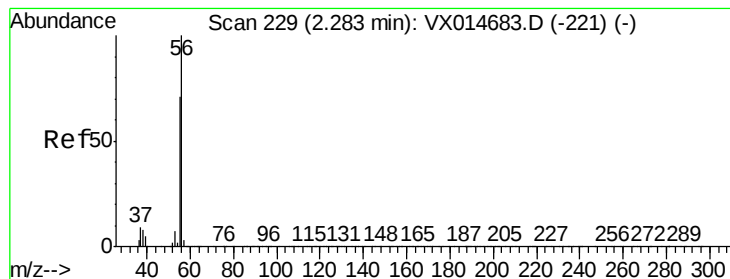
Tot Ion:142 Resp: 1414
Ion Ratio Lower Upper
142 100
127 66.6 31.1 46.7#
141 38.5 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.924 ug/l
RT: 3.03 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX014745.D
Acq: 28 Jan 2020 12:41

Tgt Ion: 59 Resp: 1046
Ion Ratio Lower Upper
59 100
57 36.9 8.3 12.5#





#13

Acrolein

Concen: 1.171 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX014745.D

Acq: 28 Jan 2020 12:41

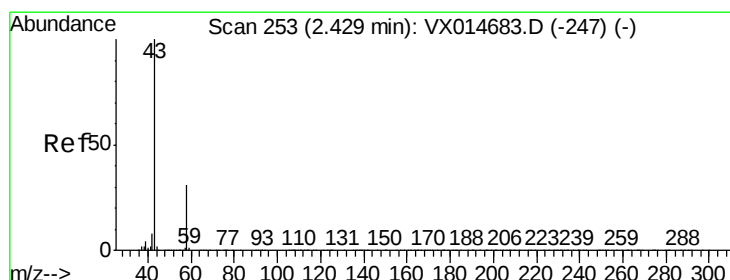
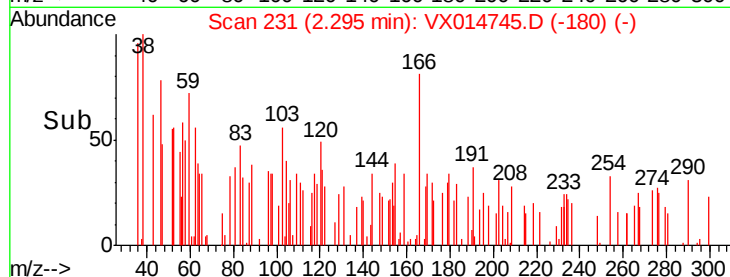
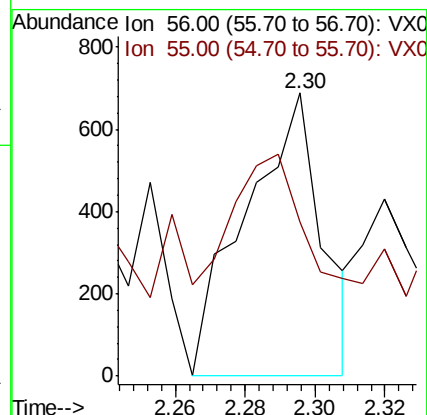
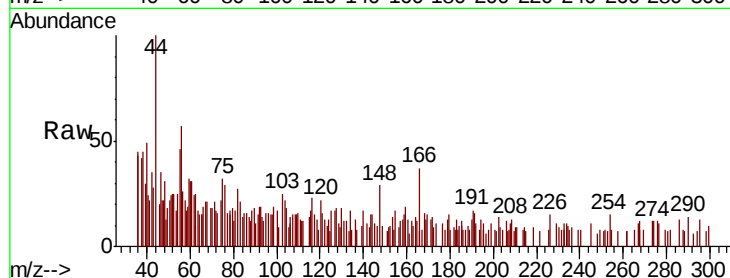
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 1046

Ion Ratio Lower Upper

56 100

55 37.9 56.6 84.8#



#16

Acetone

Concen: 20.206 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014745.D

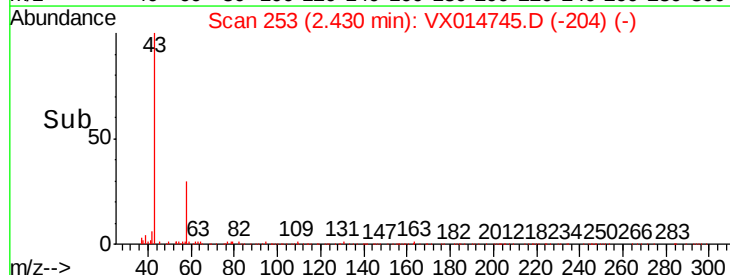
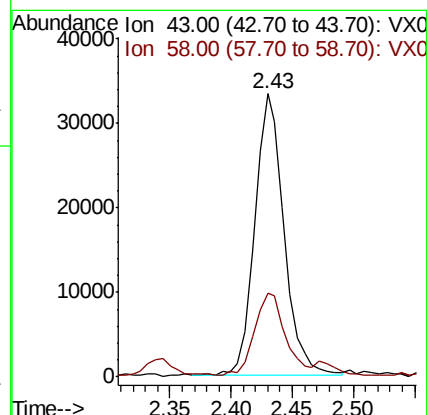
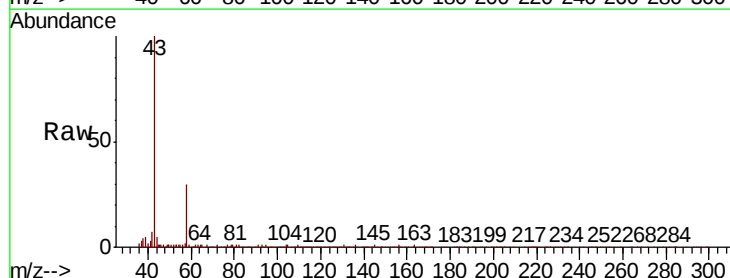
Acq: 28 Jan 2020 12:41

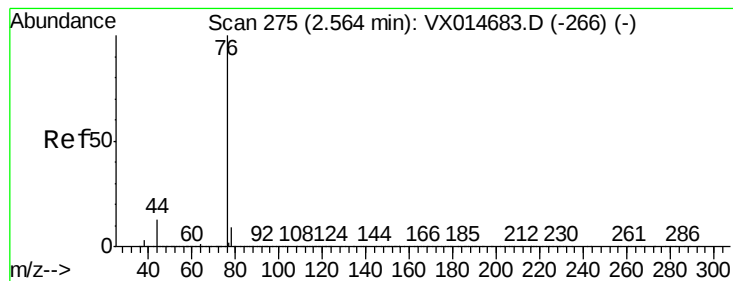
Tgt Ion: 43 Resp: 55478

Ion Ratio Lower Upper

43 100

58 28.8 24.5 36.7





#17

Carbon Disulfide

Concen: 0.352 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX014745.D

Acq: 28 Jan 2020 12:41

Instrument :

MSVOA_X

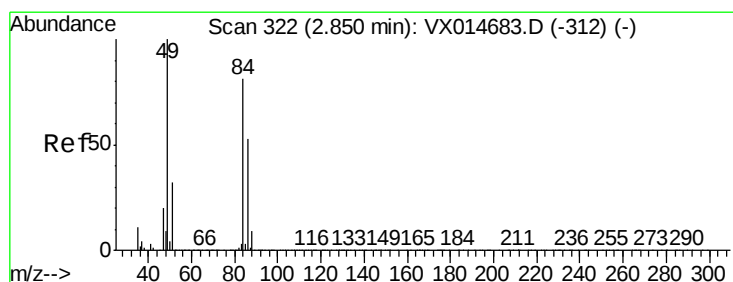
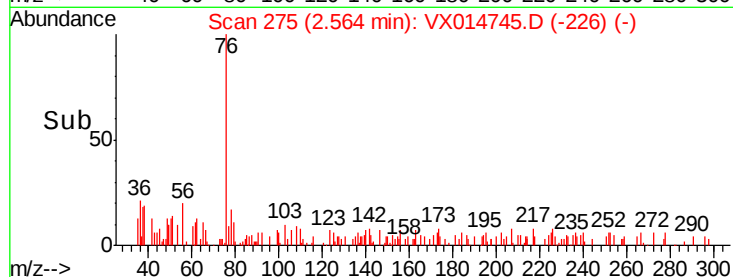
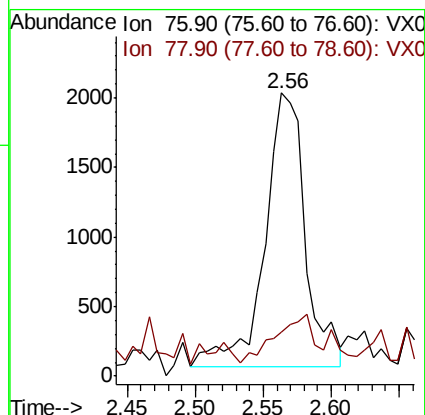
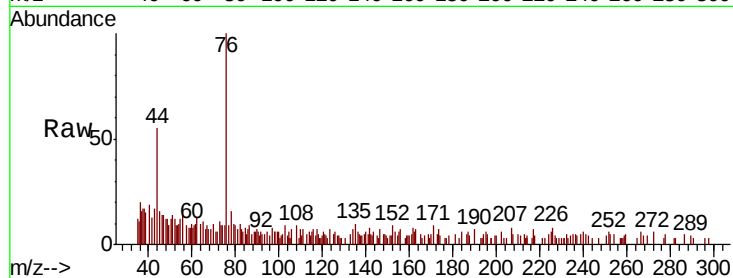
ClientSampleId :

Tot Ion: 76 Resp: 4132

Ion Ratio Lower Upper

76 100

78 12.0 7.2 10.8#



#20

Methylene Chloride

Concen: 2.718 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.01 min

Lab File: VX014745.D

Acq: 28 Jan 2020 12:41

Tgt Ion: 84 Resp: 13905

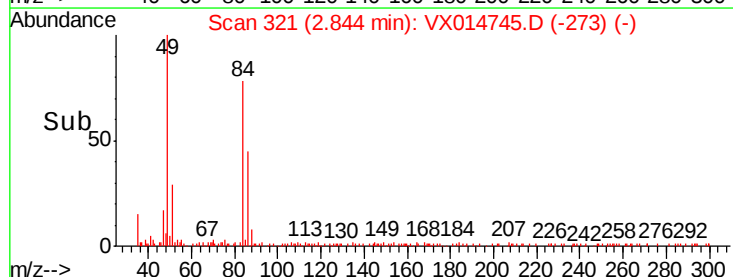
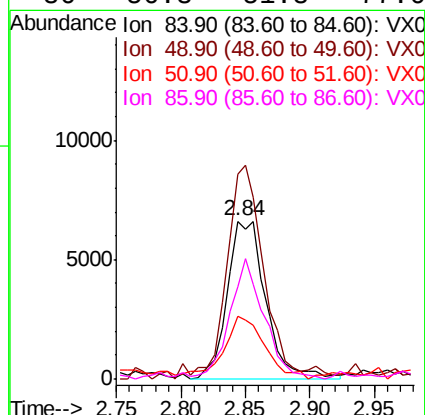
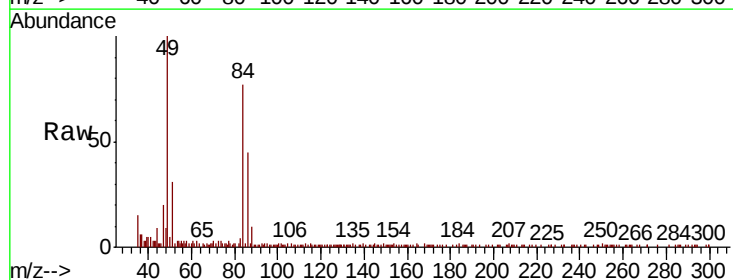
Ion Ratio Lower Upper

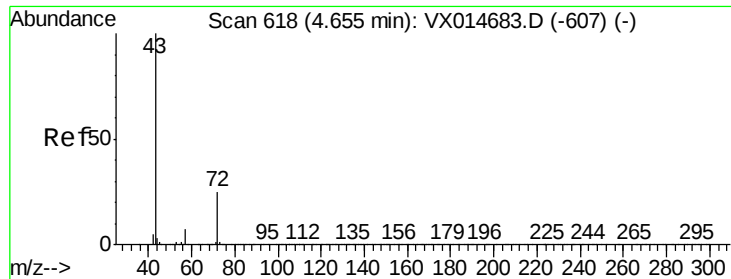
84 100

49 126.9 98.2 147.4

51 36.2 31.3 46.9

86 56.3 51.8 77.6

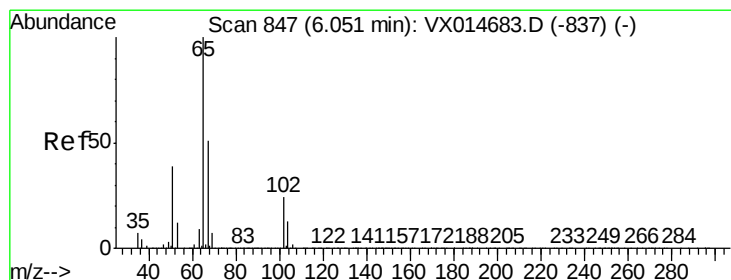
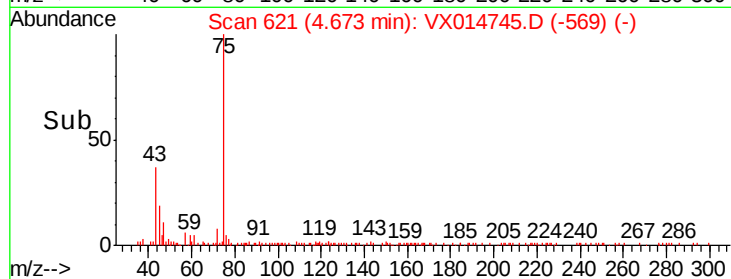
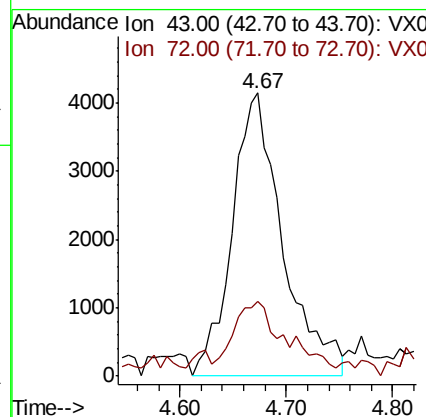
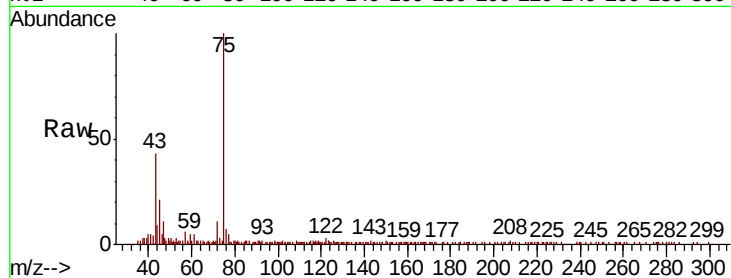




#25
2-Butanone
Concen: 3.486 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.02 min
Lab File: VX014745.D
Acq: 28 Jan 2020 12:41

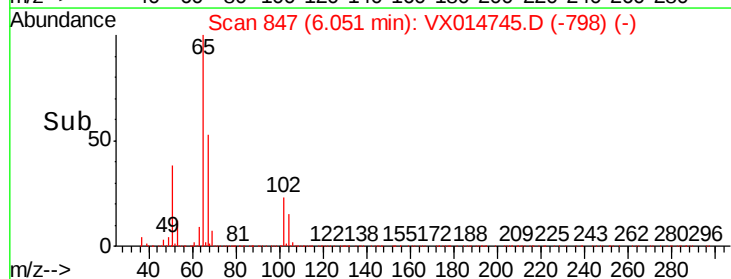
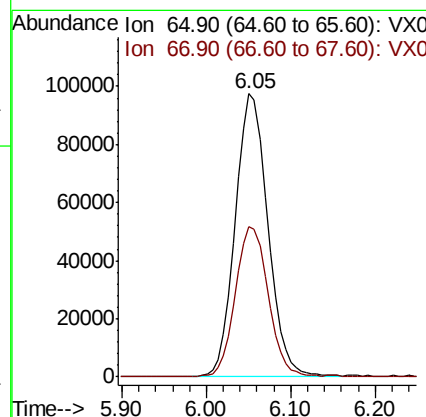
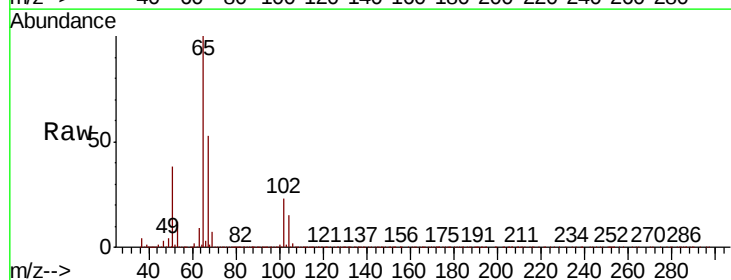
Instrument :
MSVOA_X
ClientSampleId :

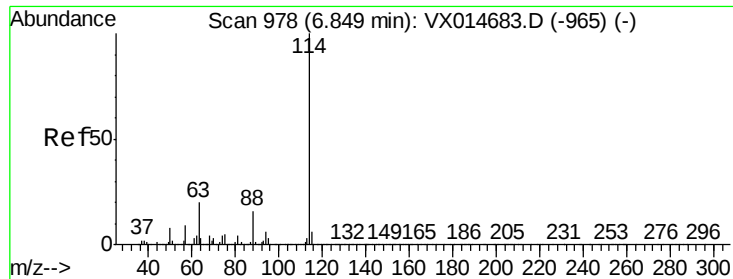
Tot Ion: 43 Resp: 13807
Ion Ratio Lower Upper
43 100
72 21.3 19.9 29.9



#33
1,2-Dichloroethane-d4
Concen: 50.520 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014745.D
Acq: 28 Jan 2020 12:41

Tgt Ion: 65 Resp: 254834
Ion Ratio Lower Upper
65 100
67 53.5 0.0 107.4

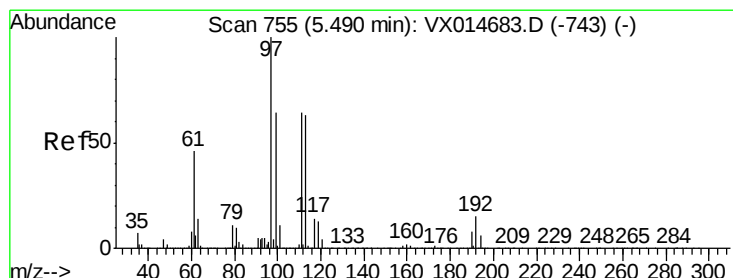
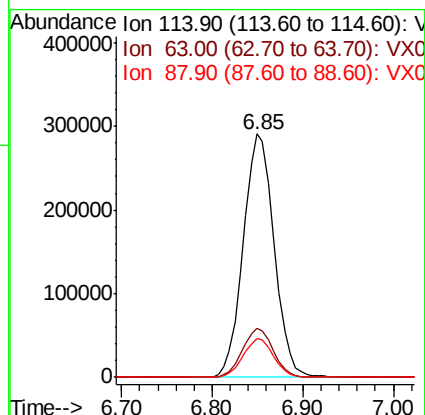
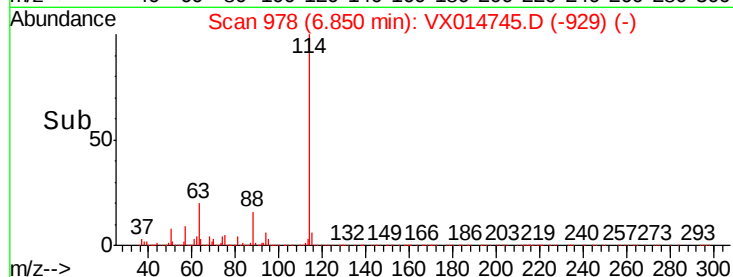
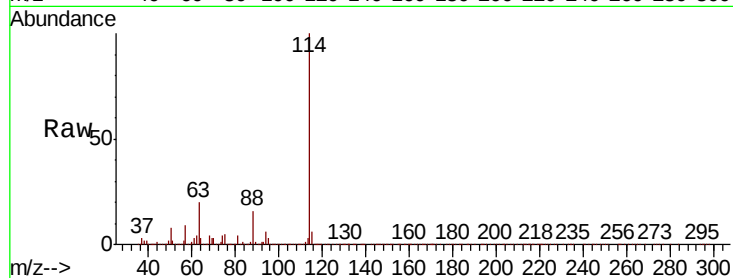




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX014745.D
Acq: 28 Jan 2020 12:41

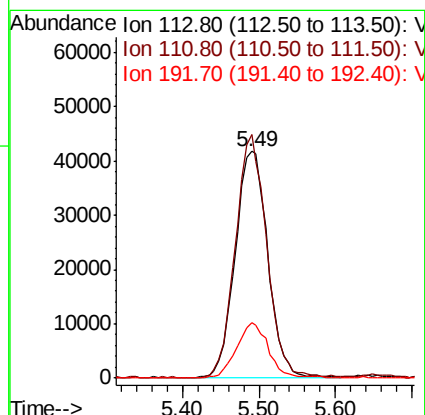
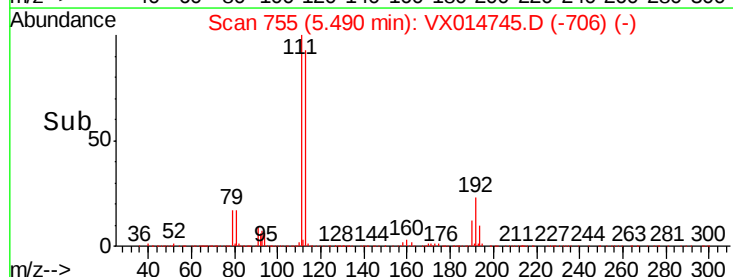
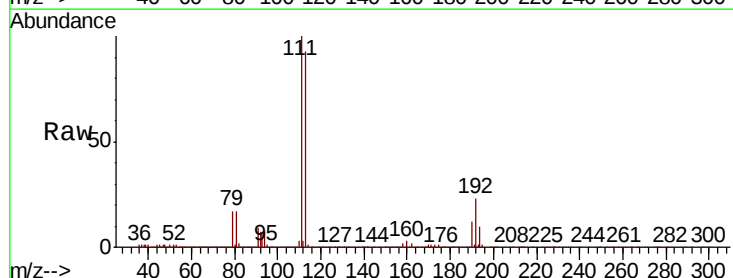
Instrument :
MSVOA_X
ClientSampleId :

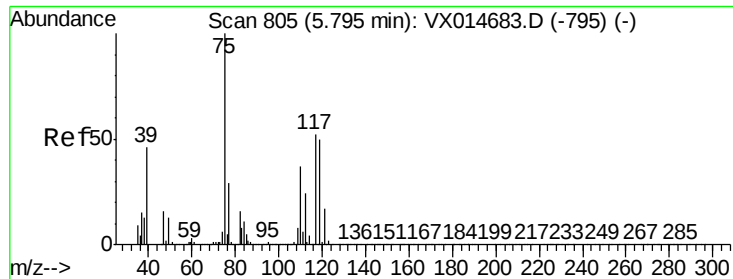
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.6
88	15.7	0.0	31.2



#35
Dibromofluoromethane
Concen: 28.719 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014745.D
Acq: 28 Jan 2020 12:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.7	121.1
192	23.9	18.5	27.7

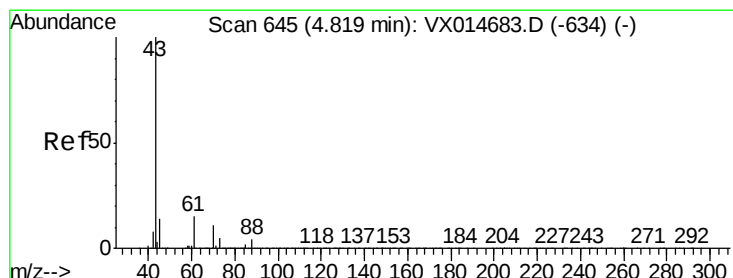
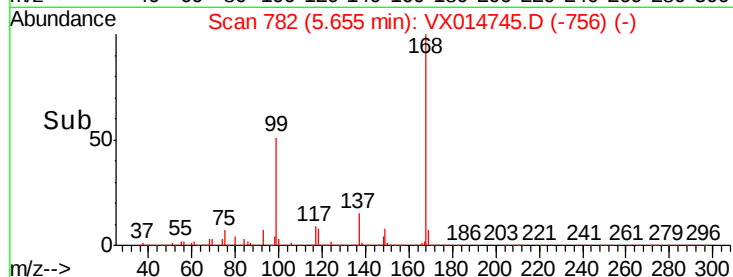
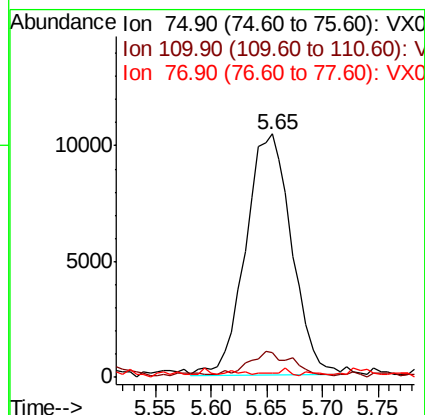
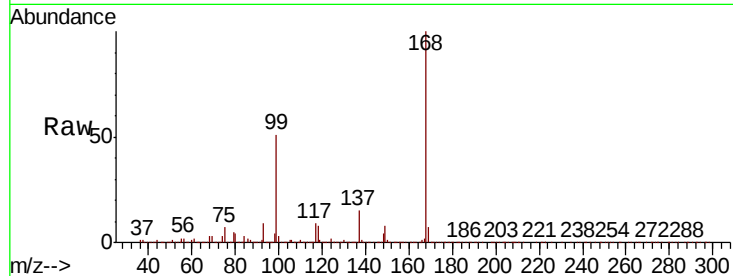




#36
 1,1-Dichloropropene
 Concen: 4.710 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX014745.D
 Acq: 28 Jan 2020 12:41

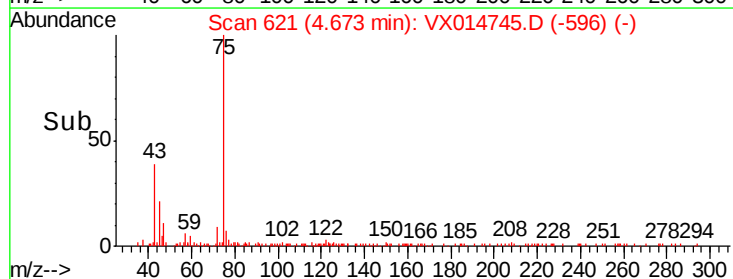
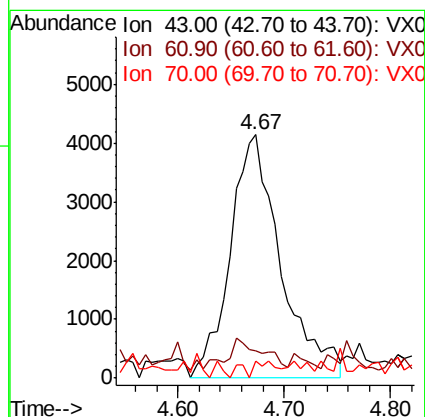
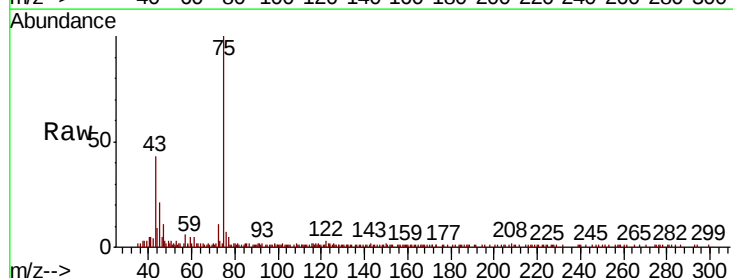
Instrument :
 MSVOA_X
 ClientSampled :

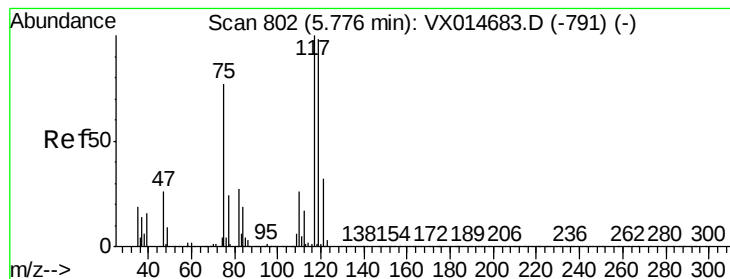
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.9	53.7#
77	0.8	24.1	36.1#



#37
 Ethyl Acetate
 Concen: 1.894 ug/l
 RT: 4.67 min Scan# 621
 Delta R.T. -0.15 min
 Lab File: VX014745.D
 Acq: 28 Jan 2020 12:41

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.4#
70	3.0	8.5	12.7#





#38

Carbon Tetrachloride

Concen: 6.575 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014745.D

Acq: 28 Jan 2020 12:41

Instrument :

MSVOA_X

ClientSampleId :

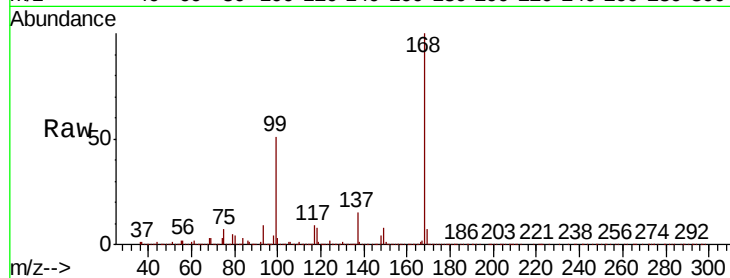
Tot Ion:117 Resp: 39962

Ion Ratio Lower Upper

117 100

119 5.6 77.9 116.9#

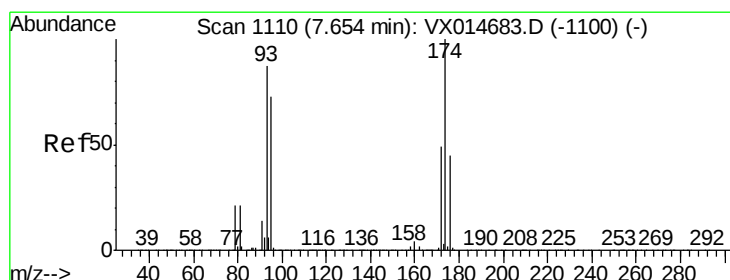
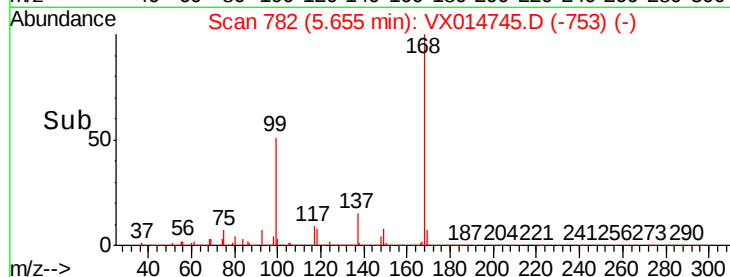
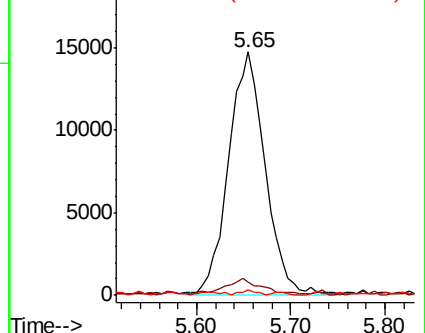
121 1.2 25.4 38.2#



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



#46

Dibromomethane

Concen: 0.251 ug/l

RT: 7.62 min Scan# 1105

Delta R.T. -0.03 min

Lab File: VX014745.D

Acq: 28 Jan 2020 12:41

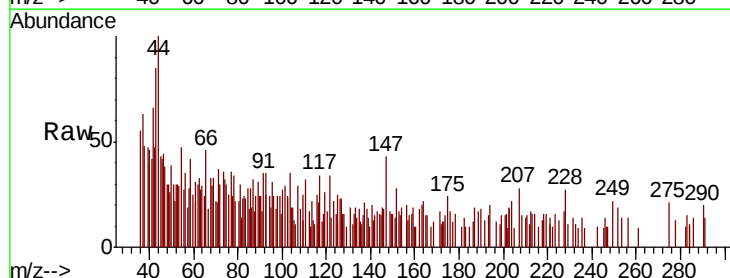
Tgt Ion: 93 Resp: 822

Ion Ratio Lower Upper

93 100

95 21.7 67.0 100.4#

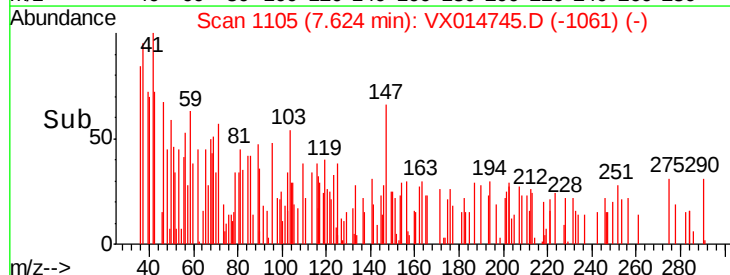
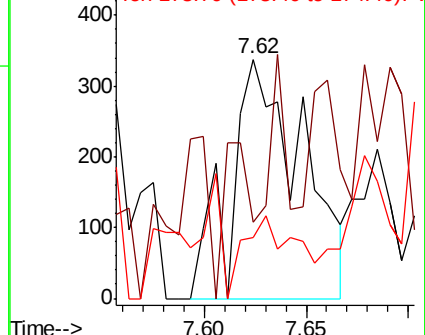
174 25.4 90.2 135.2#

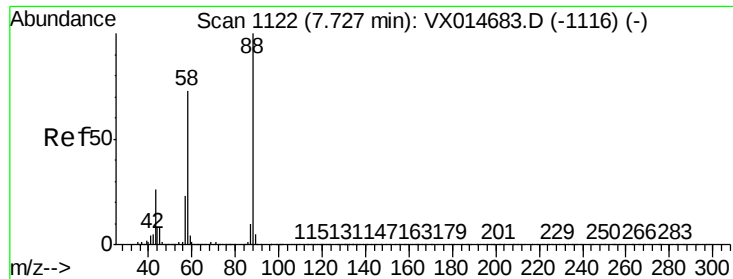


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

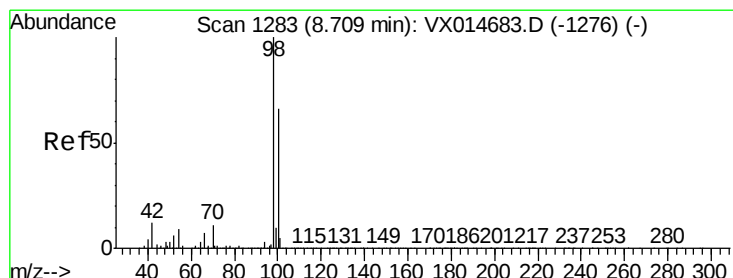
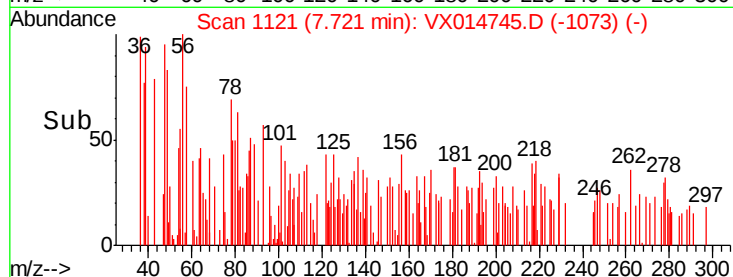
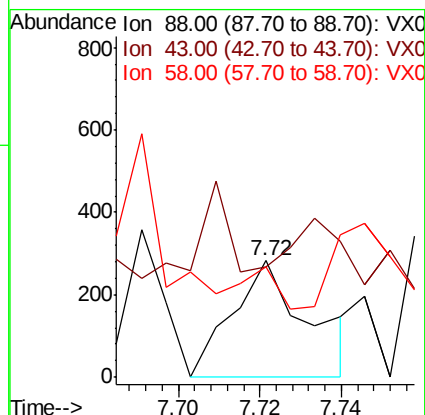
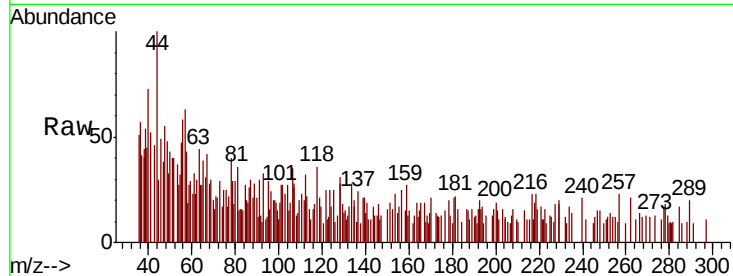




#49
1,4-Dioxane
Concen: 3.019 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX014745.D
Acq: 28 Jan 2020 12:41

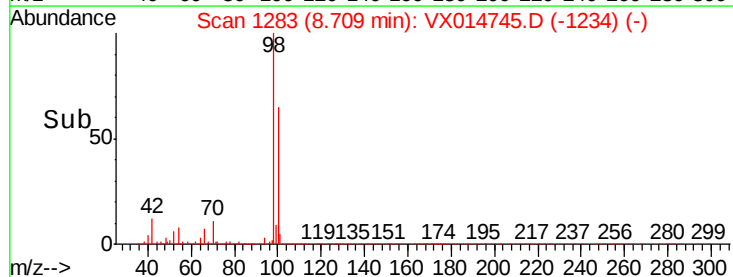
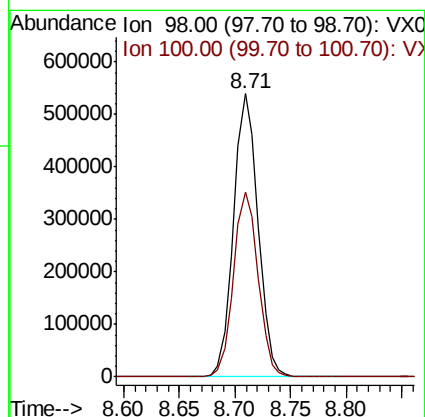
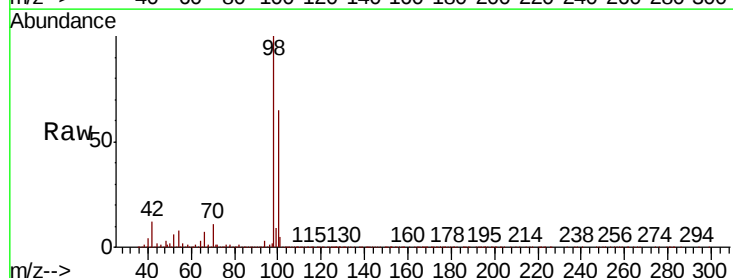
Instrument :
MSVOA_X
ClientSampled :

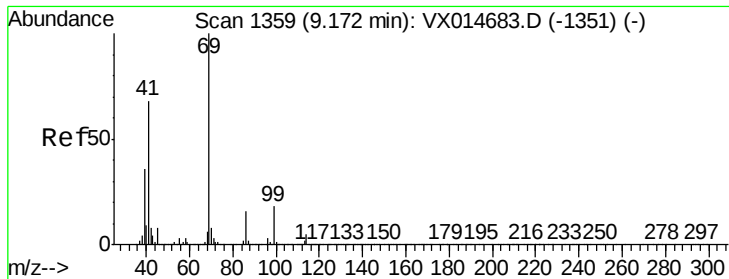
Tot Ion: 88 Resp: 365
Ion Ratio Lower Upper
88 100
43 148.2 26.2 39.2#
58 0.0 56.6 85.0#



#50
Toluene-d8
Concen: 49.548 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014745.D
Acq: 28 Jan 2020 12:41

Tgt Ion: 98 Resp: 823146
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.6





#56

Ethyl methacrylate

Concen: 1.817 ug/l

RT: 9.16 min Scan# 1357

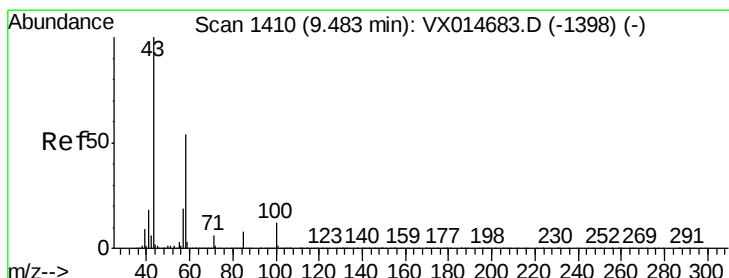
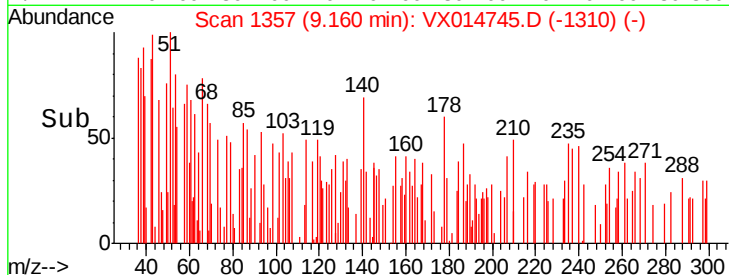
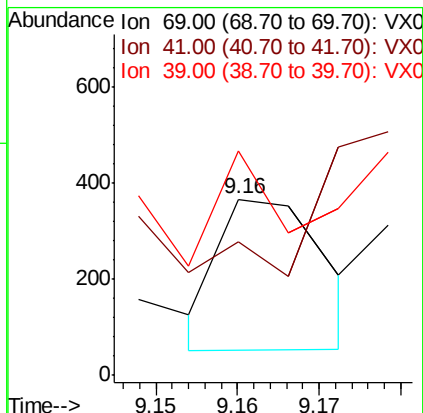
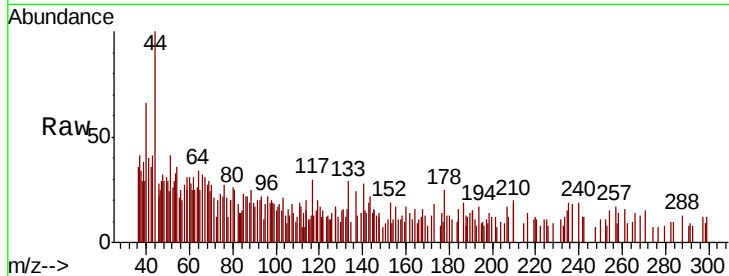
Delta R.T. -0.01 min

Lab File: VX014745.D

Acq: 28 Jan 2020 12:41

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	69.00	Resp:	282
Ion	Ratio	Lower	Upper
69	100		
41	0.0	54.9	82.3#
39	39.7	29.3	43.9



#59

2-Hexanone

Concen: 0.362 ug/l

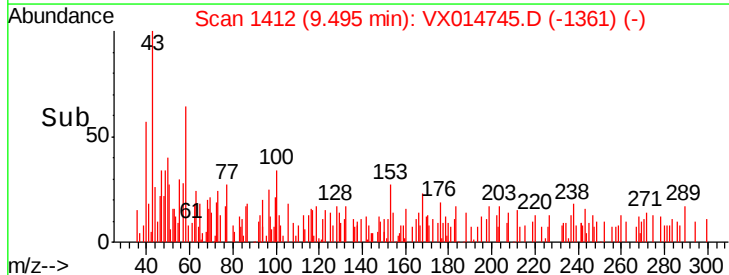
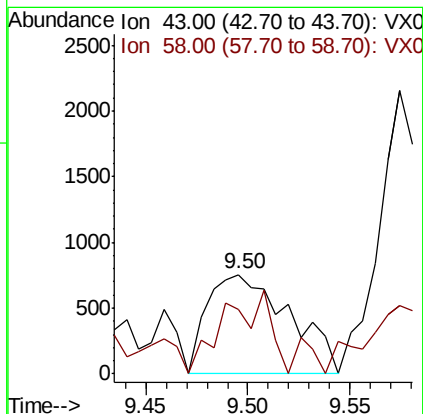
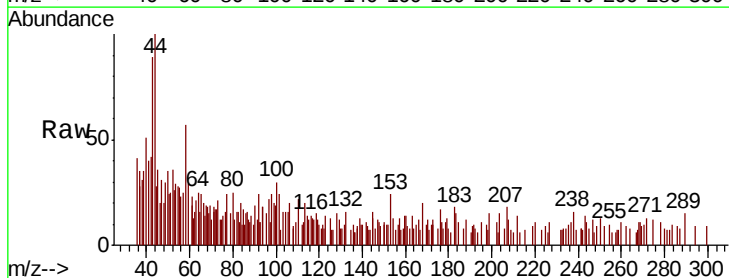
RT: 9.50 min Scan# 1412

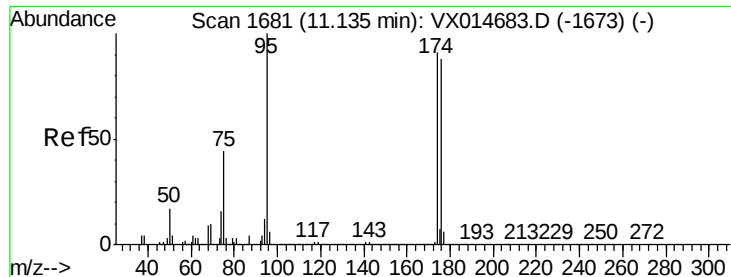
Delta R.T. 0.01 min

Lab File: VX014745.D

Acq: 28 Jan 2020 12:41

Tgt Ion:	43.00	Resp:	2115
Ion	Ratio	Lower	Upper
43	100		
58	47.0	27.2	81.5

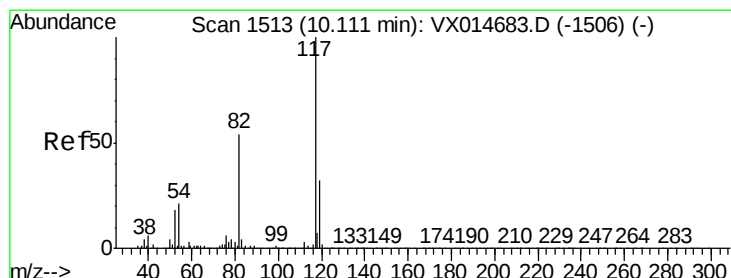
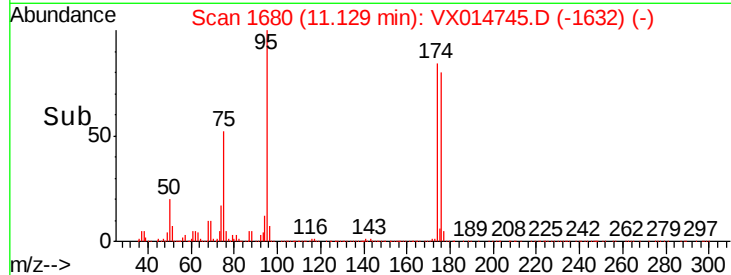
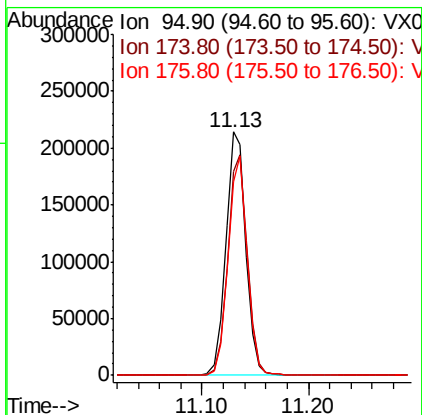
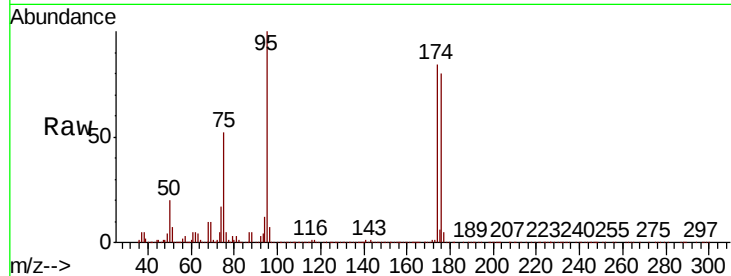




#62
4-Bromofluorobenzene
Concen: 47.198 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014745.D
Acq: 28 Jan 2020 12:41

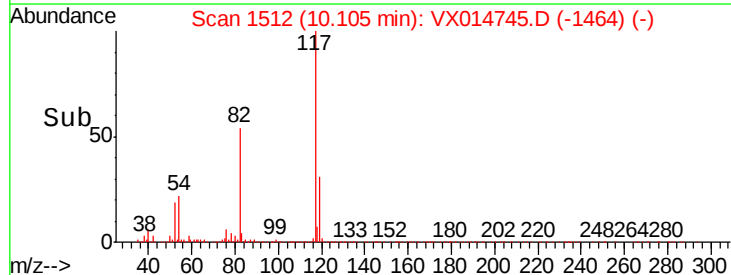
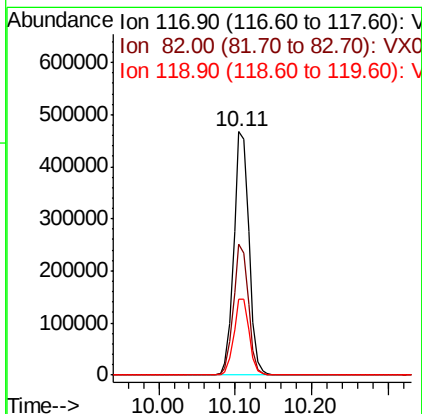
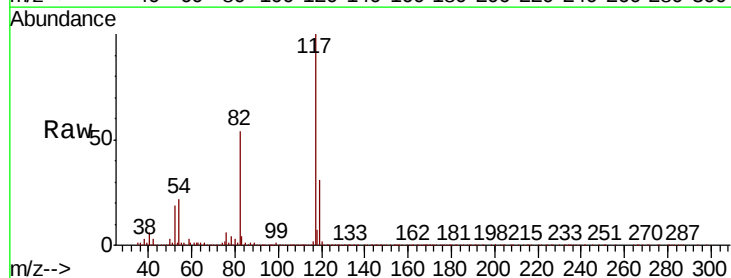
Instrument :
MSVOA_X
ClientSampleId :

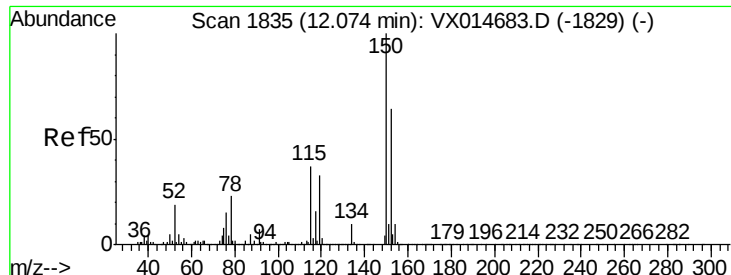
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	176.0
176	86.7	0.0	172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014745.D
Acq: 28 Jan 2020 12:41

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.2	64.8
119	31.1	25.8	38.6



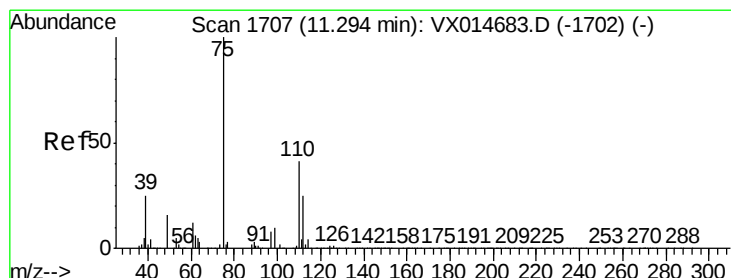
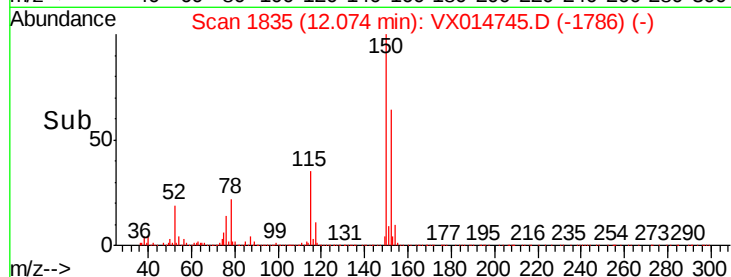
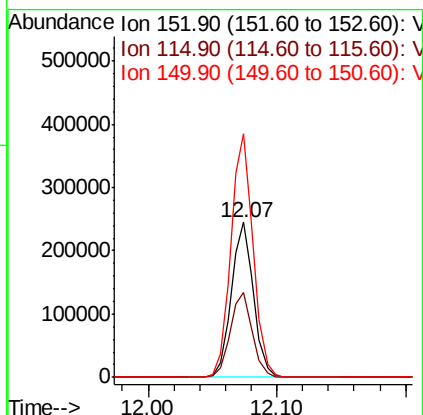
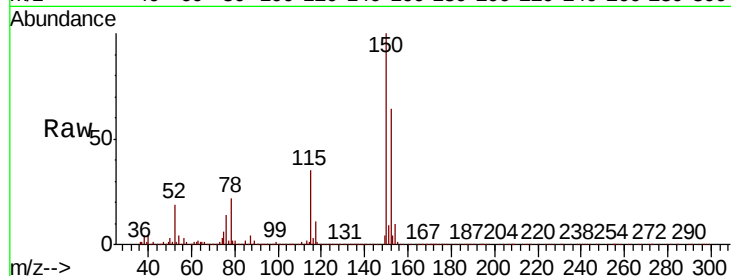


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014745.D
Acq: 28 Jan 2020 12:41

Instrument :
MSVOA_X
ClientSampleId :

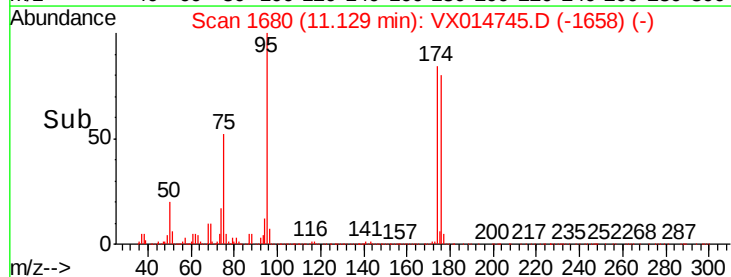
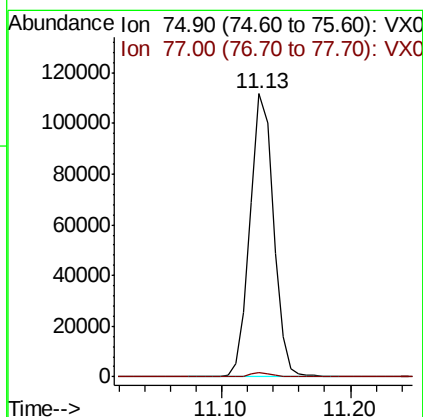
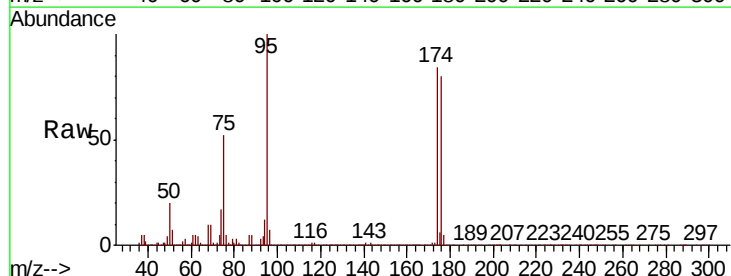
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.4	39.4	118.1
150	158.3	0.0	351.2

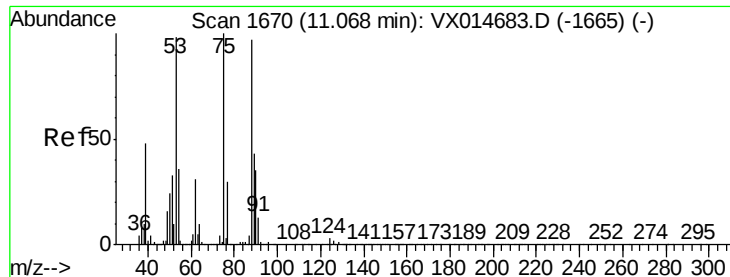


#76

1,2,3-Trichloropropane
Concen: 20.629 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014745.D
Acq: 28 Jan 2020 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	18.7	56.1

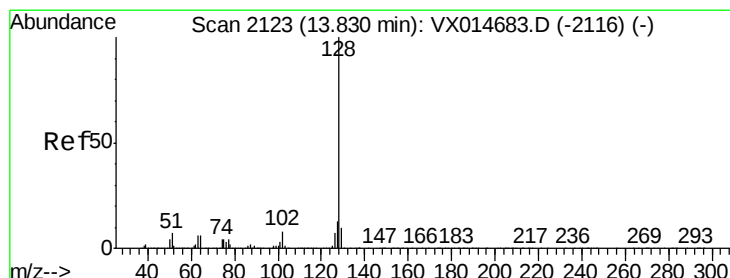
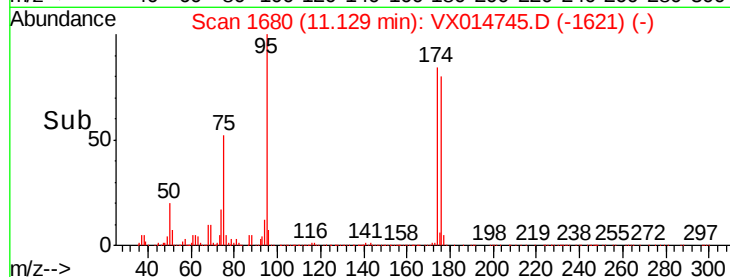
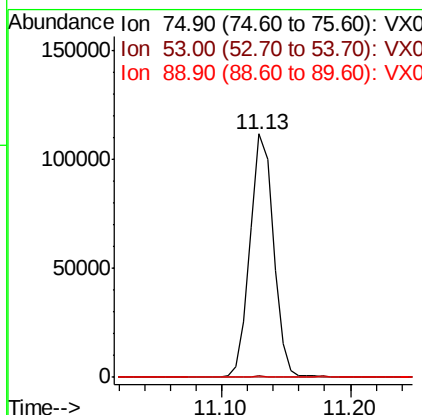
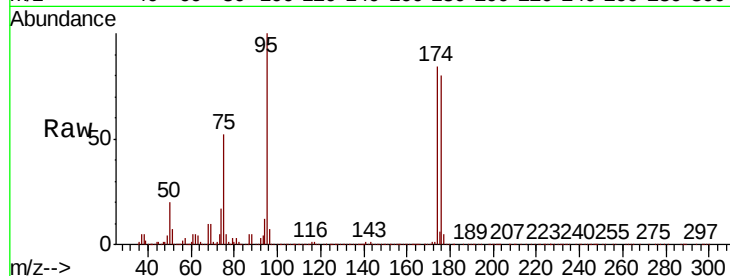




#81
trans-1,4-Dichloro-2-butene
Concen: 58.706 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014745.D
Acq: 28 Jan 2020 12:41

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.2	78.8	118.2#
89	0.1	35.4	53.0#



#95
Naphthalene
Concen: 0.993 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014745.D
Acq: 28 Jan 2020 12:41

Tgt Ion	Ratio	Lower	Upper
128	100		
127	18.9	10.3	15.5#
129	17.3	8.6	12.8#

