

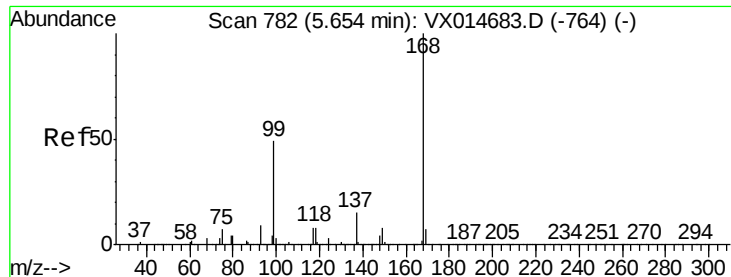
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012720\
 Data File : VX014730.D
 Acq On : 27 Jan 2020 16:40
 Operator : JC/SP
 Sample : L1245-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 03:17:44 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	437464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	683591	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	633201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	291433	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	254137	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
35) Dibromofluoromethane	5.49	113	124575	28.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.76%	
50) Toluene-d8	8.71	98	813020	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
62) 4-Bromofluorobenzene	11.14	95	280761	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	169	0.560	ug/l #	1
6) Chloroethane	1.71	64	753	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	2223	1.938	ug/l #	72
13) Acrolein	2.29	56	689	0.762	ug/l	97
16) Acetone	2.43	43	57400	20.639	ug/l	98
17) Carbon Disulfide	2.57	76	3640	0.306	ug/l #	91
20) Methylene Chloride	2.85	84	14508	2.800	ug/l #	93
25) 2-Butanone	4.68	43	14770	3.682	ug/l	96
36) 1,1-Dichloropropene	5.65	75	30450	4.794	ug/l #	51
38) Carbon Tetrachloride	5.65	117	39050	6.437	ug/l #	14
41) Methacrylonitrile	5.05	41	313	Below Cal	#	90
42) 1,2-Dichloroethane	6.18	62	1396	0.206	ug/l	88
49) 1,4-Dioxane	7.73	88	636	5.271	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	1948	0.259	ug/l #	72
56) Ethyl methacrylate	9.17	69	238	1.812	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.28	63	641	0.258	ug/l #	61
74) N-amyl acetate	10.91	43	2148	0.239	ug/l #	57
76) 1,2,3-Trichloropropane	11.13	75	140687	20.749	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	140687	59.048	ug/l #	10
95) Naphthalene	13.83	128	1865	1.021	ug/l #	81

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014730.D

Acq: 27 Jan 2020 16:40

Instrument :

MSVOA_X

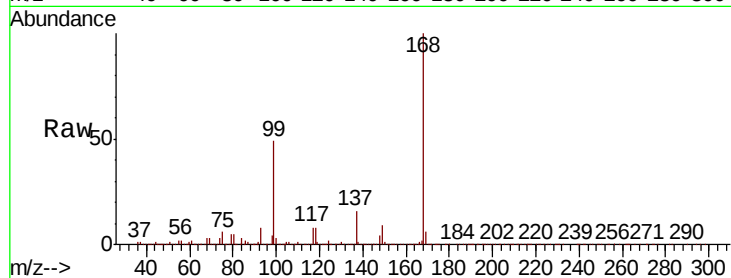
ClientSampleId :

Tot Ion:168 Resp: 437464

Ion Ratio Lower Upper

168 100

99 48.5 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

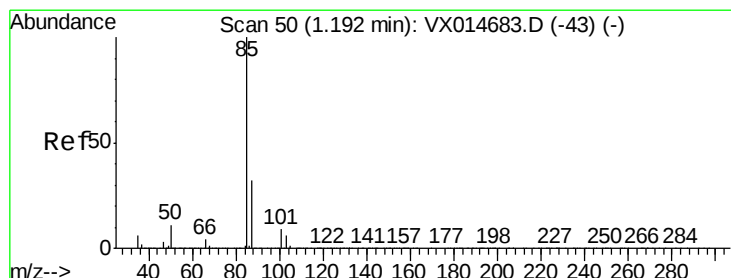
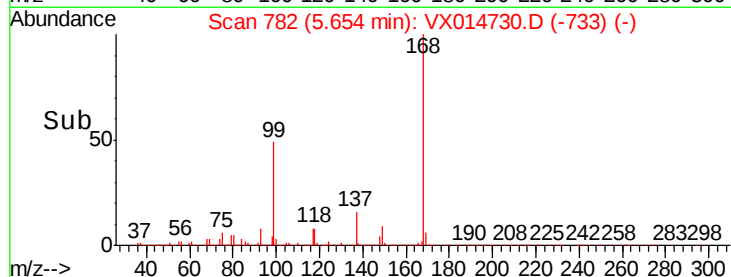
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.560 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX014730.D

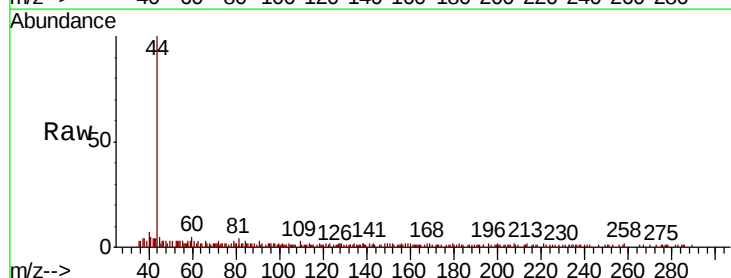
Acq: 27 Jan 2020 16:40

Tgt Ion: 85 Resp: 169

Ion Ratio Lower Upper

85 100

87 87.5 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

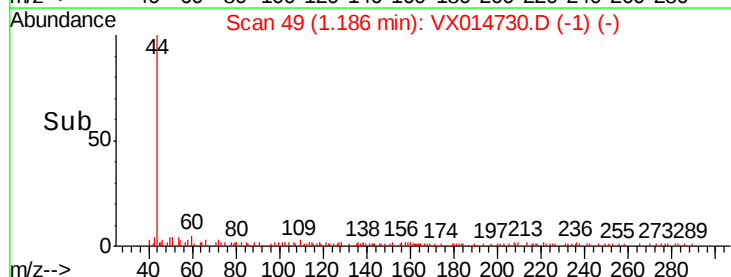
200

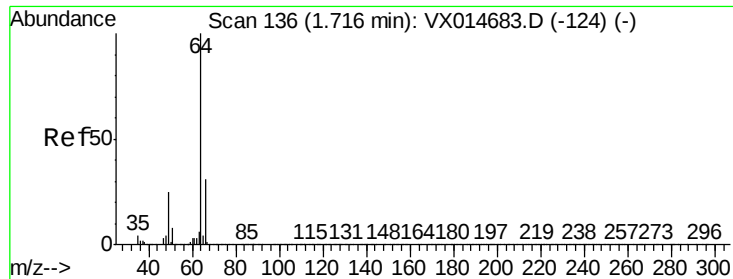
100

0

Time-->

1.18 1.19 1.20





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 135

Delta R.T. -0.01 min

Lab File: VX014730.D

Acq: 27 Jan 2020 16:40

Instrument :

MSVOA_X

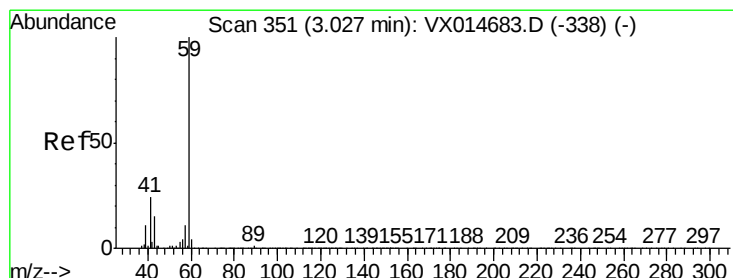
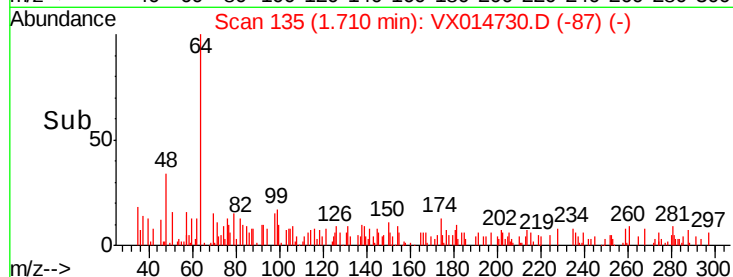
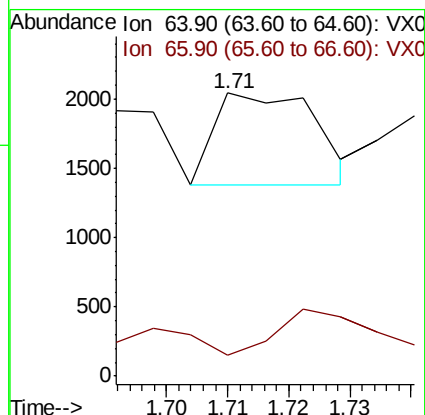
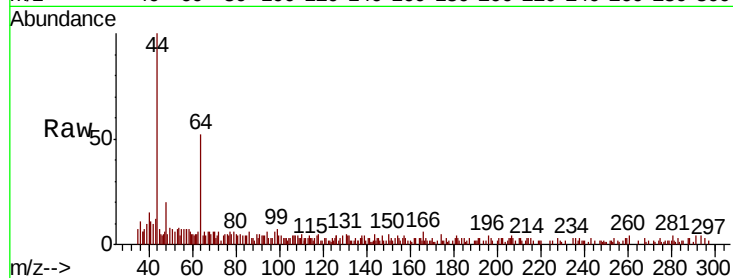
ClientSampleId :

Tot Ion: 64 Resp: 753

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



#11

Tert butyl alcohol

Concen: 1.938 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.01 min

Lab File: VX014730.D

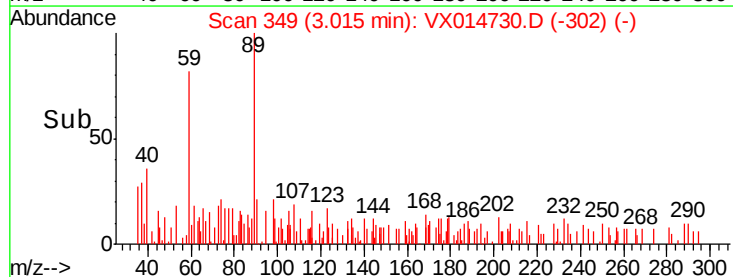
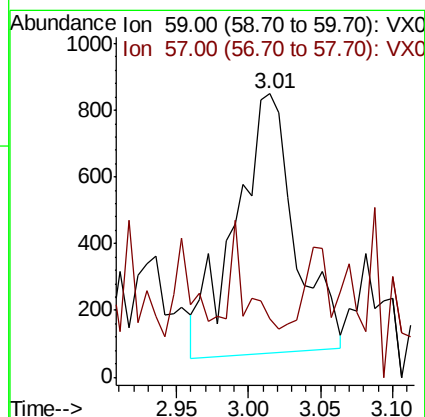
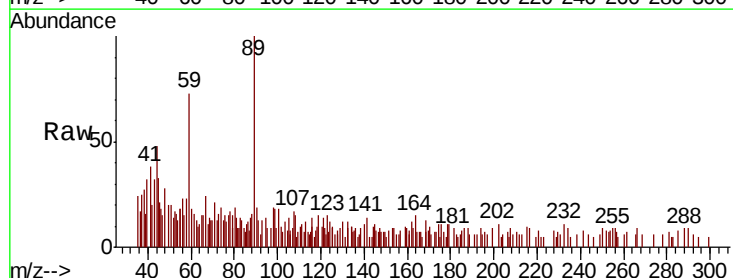
Acq: 27 Jan 2020 16:40

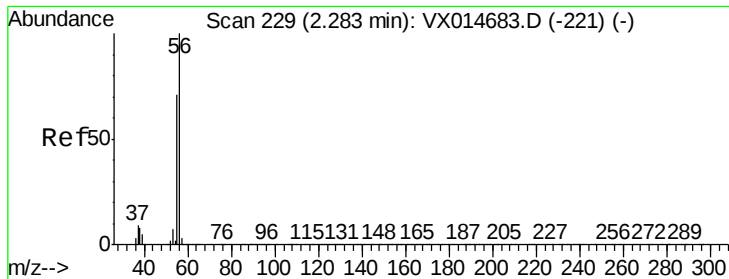
Tgt Ion: 59 Resp: 2223

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

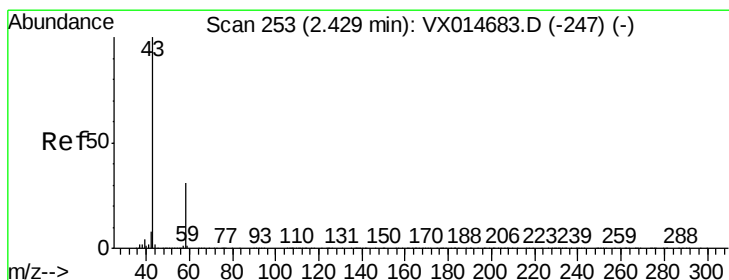
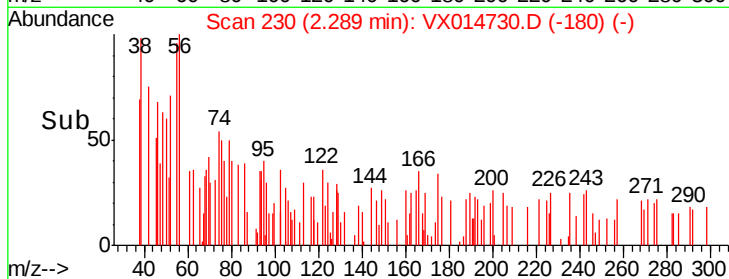
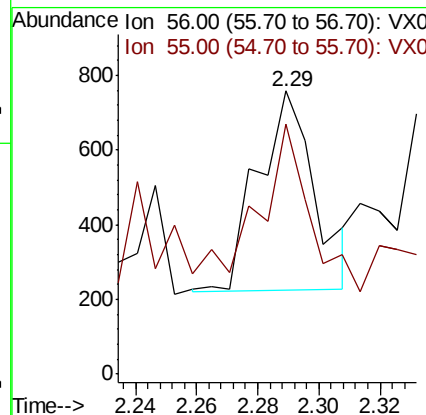
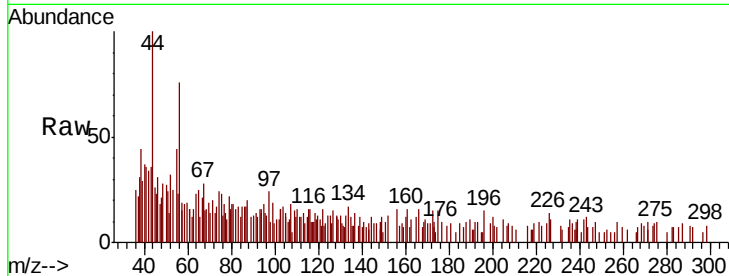




#13
Acrolein
Concen: 0.762 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX014730.D
Acq: 27 Jan 2020 16:40

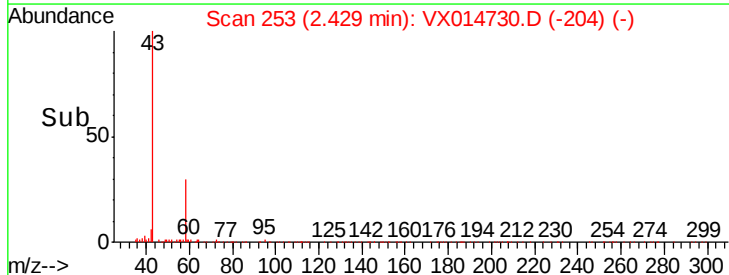
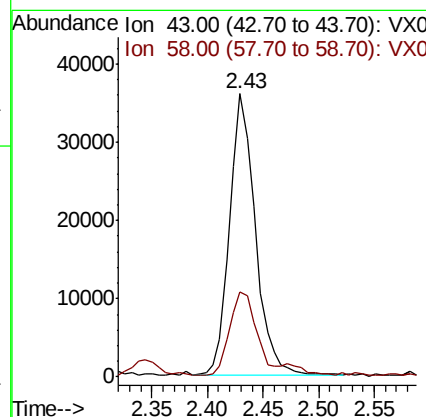
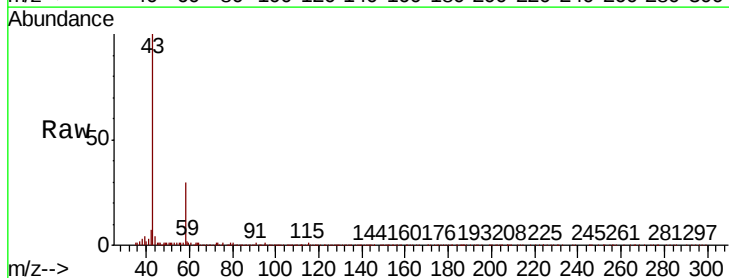
Instrument :
MSVOA_X
ClientSampleId :

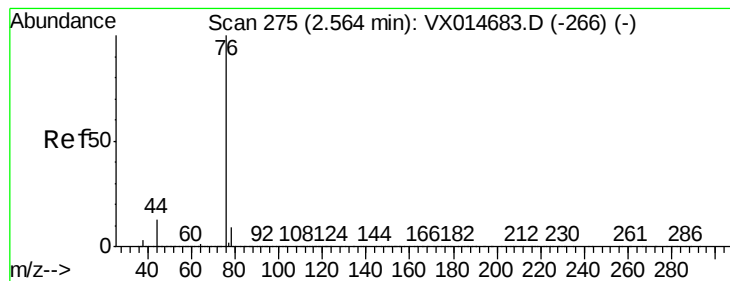
Tot Ion: 56 Resp: 689
Ion Ratio Lower Upper
56 100
55 68.1 56.6 84.8



#16
Acetone
Concen: 20.639 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014730.D
Acq: 27 Jan 2020 16:40

Tgt Ion: 43 Resp: 57400
Ion Ratio Lower Upper
43 100
58 29.6 24.5 36.7





#17

Carbon Disulfide

Concen: 0.306 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.01 min

Lab File: VX014730.D

Acq: 27 Jan 2020 16:40

Instrument :

MSVOA_X

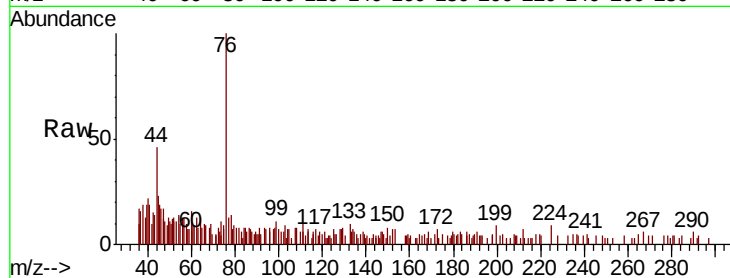
ClientSampleId :

Tot Ion: 76 Resp: 3640

Ion Ratio Lower Upper

76 100

78 12.1 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2000

1500

1000

500

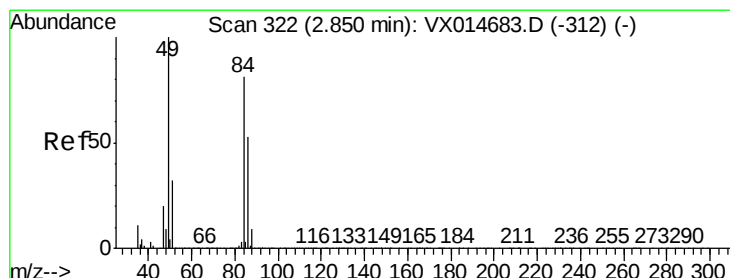
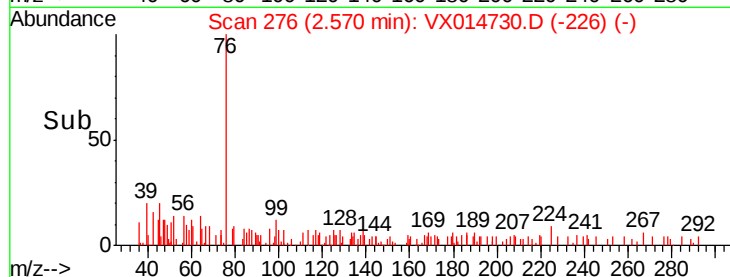
0

Time-->

2.50

2.55

2.60



#20

Methylene Chloride

Concen: 2.800 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014730.D

Acq: 27 Jan 2020 16:40

Tgt Ion: 84 Resp: 14508

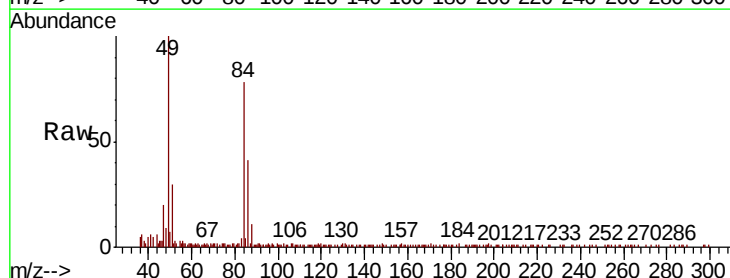
Ion Ratio Lower Upper

84 100

49 127.1 98.2 147.4

51 37.8 31.3 46.9

86 51.1 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

15000

10000

5000

0

Time-->

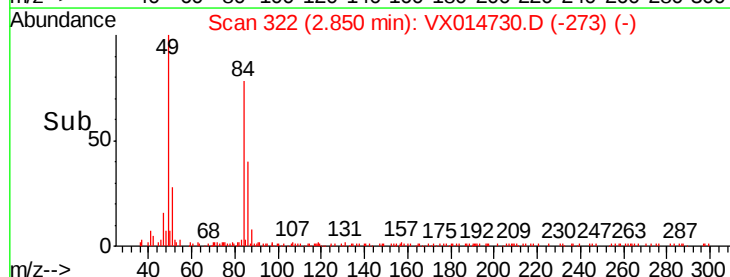
2.75

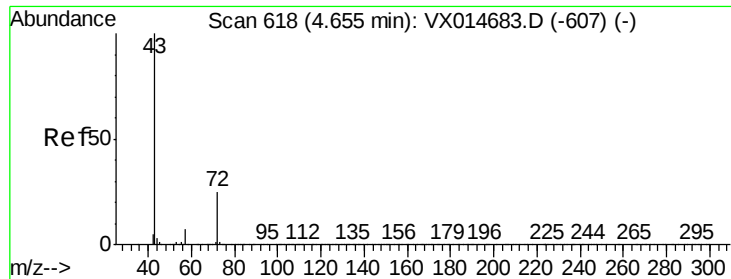
2.80

2.85

2.90

2.95

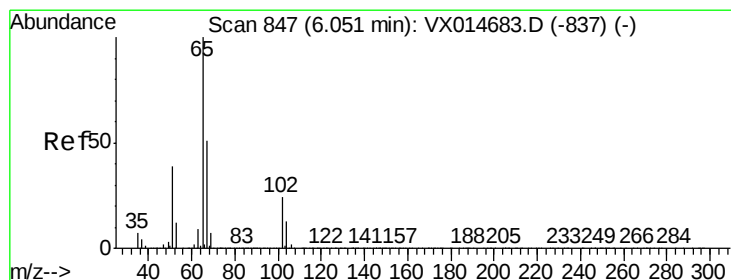
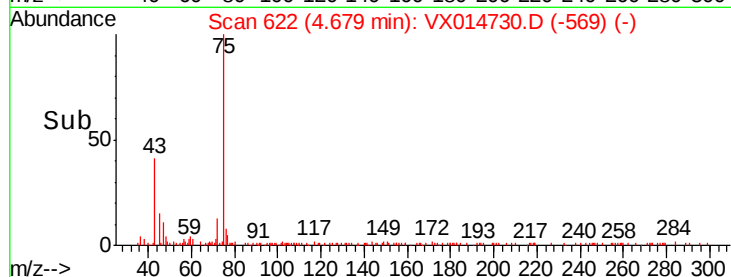
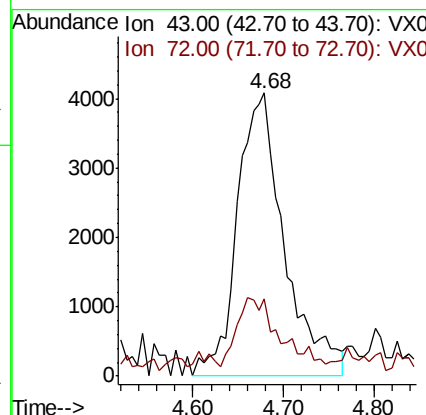
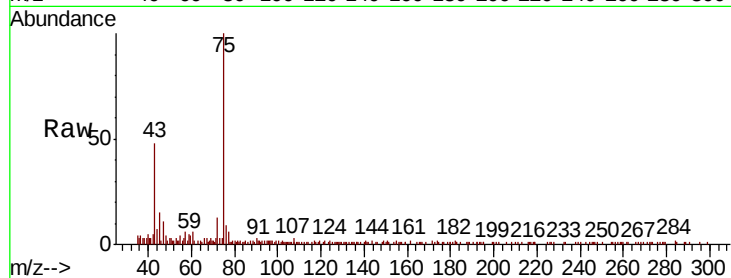




#25
2-Butanone
Concen: 3.682 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX014730.D
Acq: 27 Jan 2020 16:40

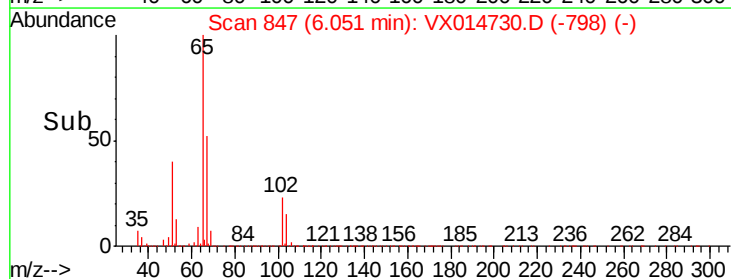
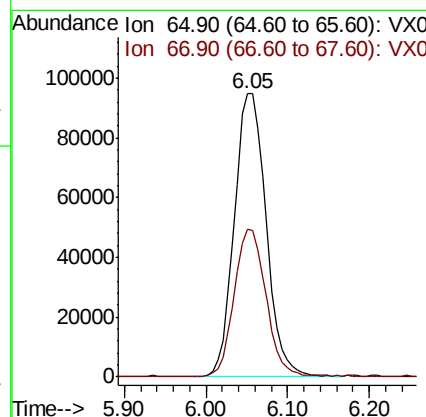
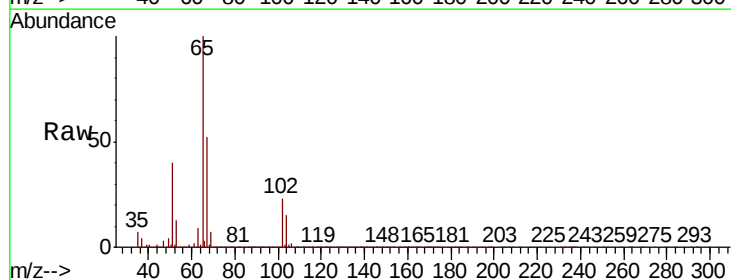
Instrument :
MSVOA_X
ClientSampleId :

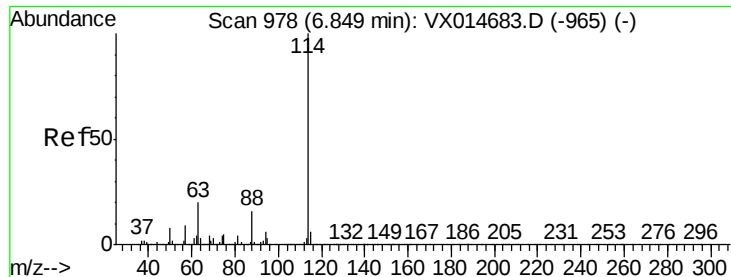
Tot Ion: 43 Resp: 14770
Ion Ratio Lower Upper
43 100
72 22.8 19.9 29.9



#33
1,2-Dichloroethane-d4
Concen: 49.747 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014730.D
Acq: 27 Jan 2020 16:40

Tgt Ion: 65 Resp: 254137
Ion Ratio Lower Upper
65 100
67 52.5 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: VX014730.D

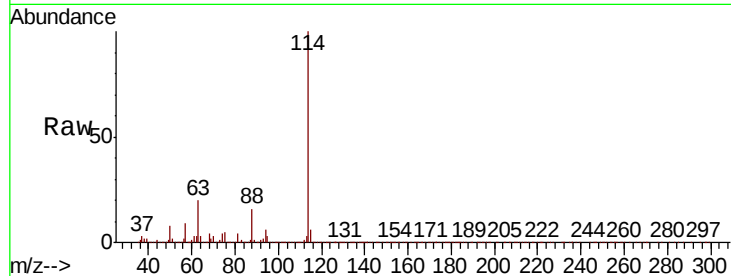
Acq: 27 Jan 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

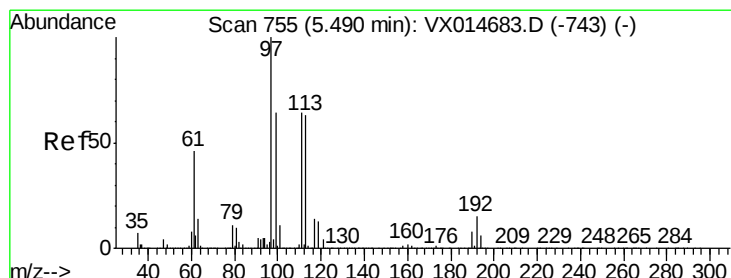
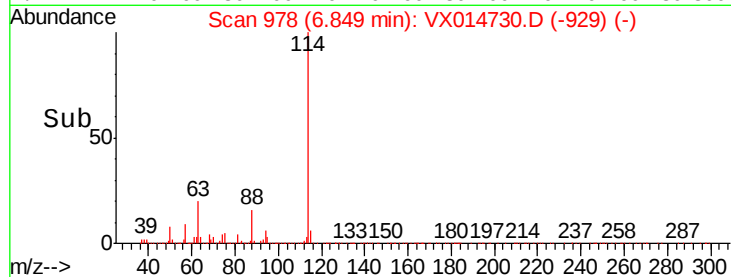
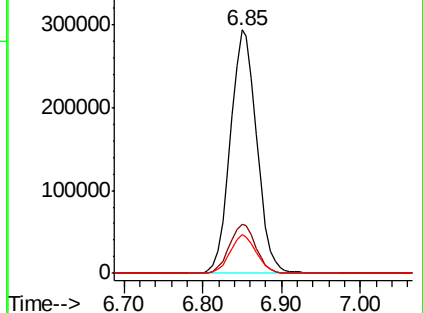
Tot Ion:	114	Resp:	683591
Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.6
88	15.7	0.0	31.2



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: 28.881 ug/l

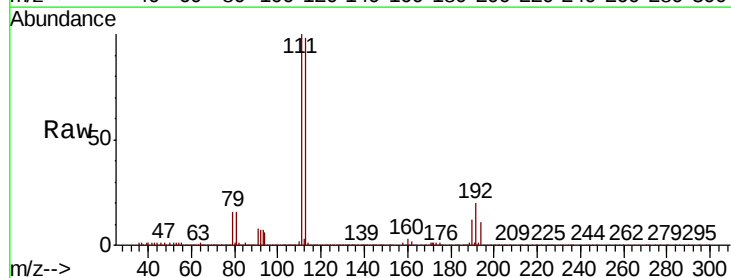
RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014730.D

Acq: 27 Jan 2020 16:40

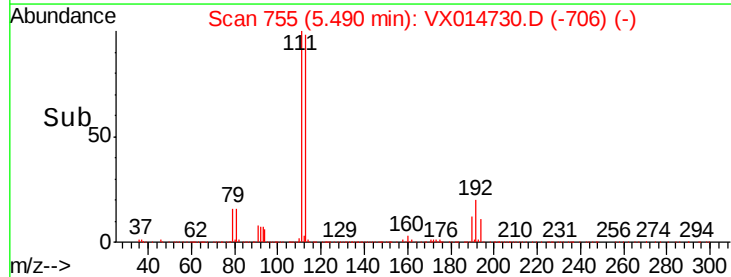
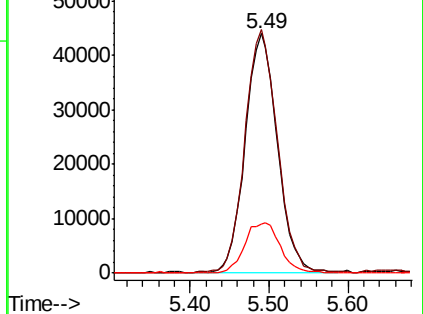
Tgt Ion:	113	Resp:	124575
Ion	Ratio	Lower	Upper
113	100		
111	103.1	80.7	121.1
192	23.4	18.5	27.7

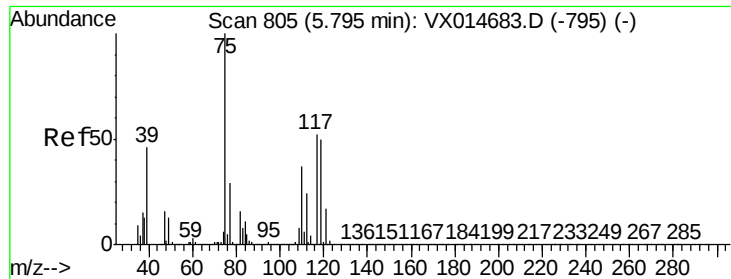


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

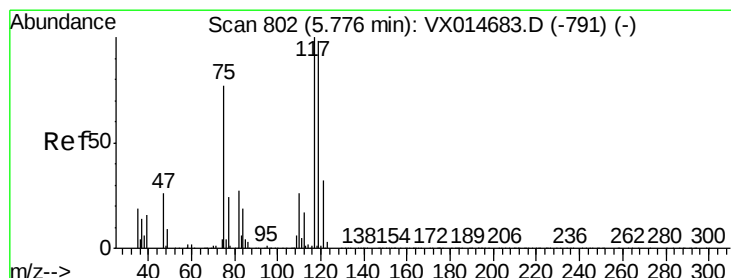
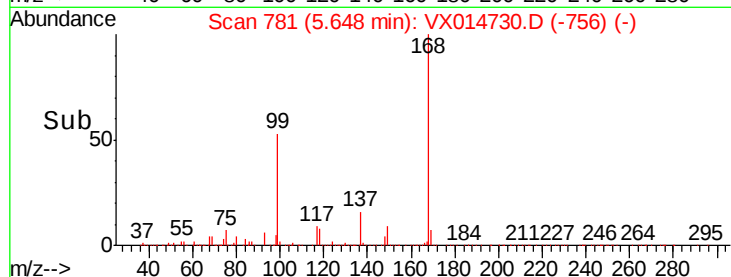
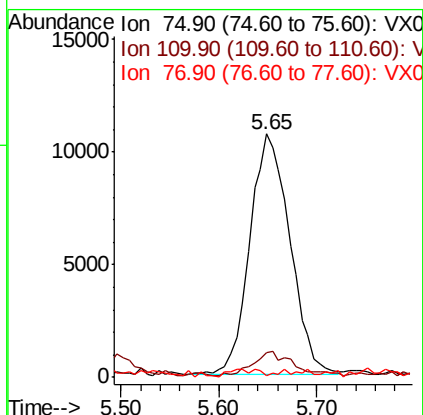
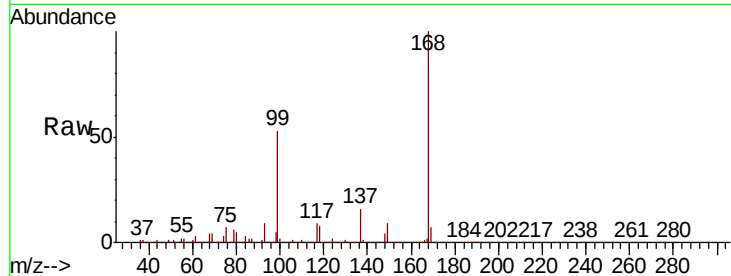




#36
 1,1-Dichloropropene
 Concen: 4.794 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014730.D
 Acq: 27 Jan 2020 16:40

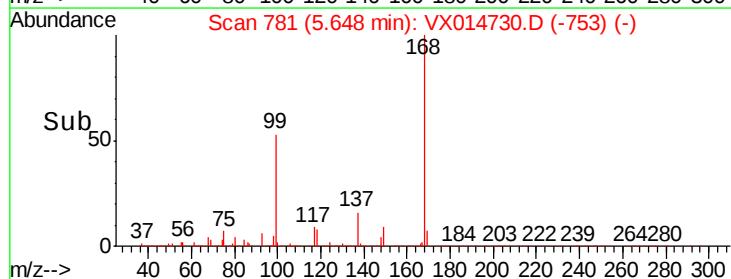
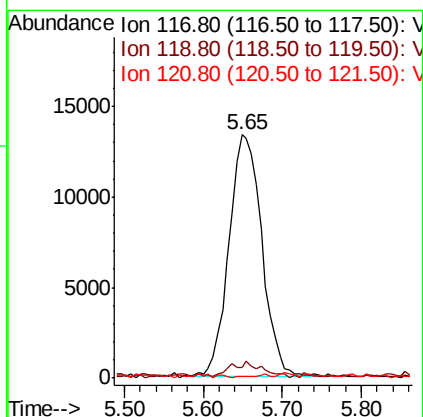
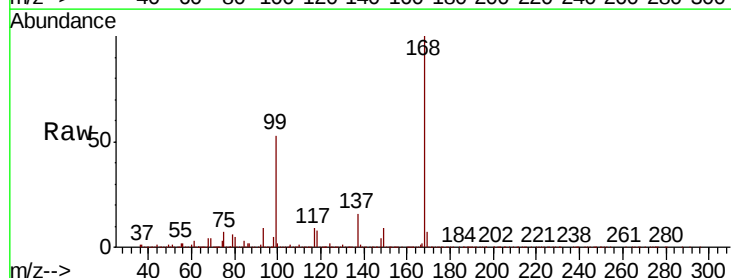
Instrument :
 MSVOA_X
 ClientSampleId :

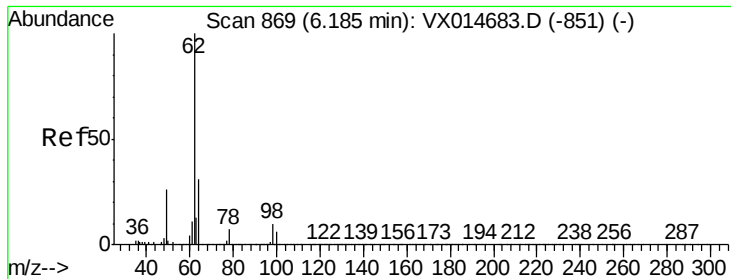
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.9	53.7#
77	0.2	24.1	36.1#



#38
 Carbon Tetrachloride
 Concen: 6.437 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014730.D
 Acq: 27 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.3	77.9	116.9#
121	0.2	25.4	38.2#





#42

1,2-Dichloroethane

Concen: 0.206 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.01 min

Lab File: VX014730.D

Acq: 27 Jan 2020 16:40

Instrument :

MSVOA_X

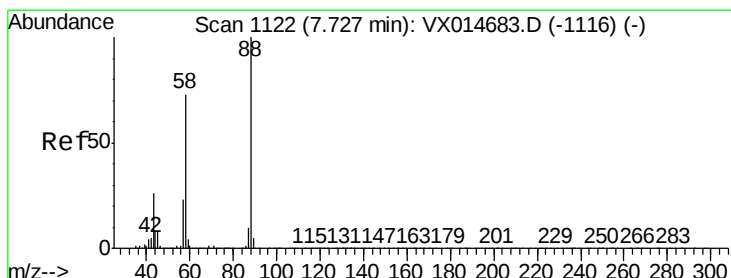
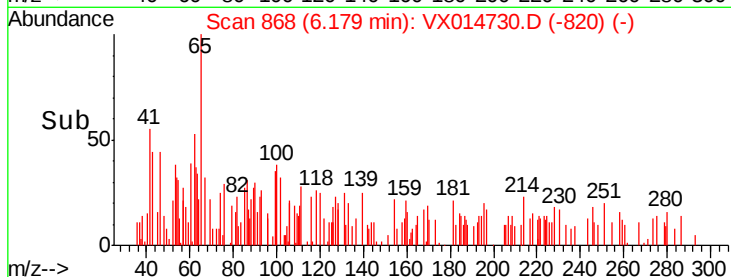
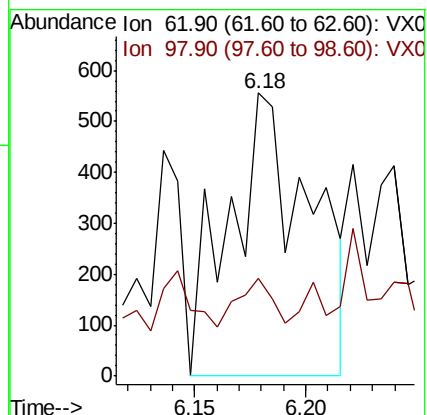
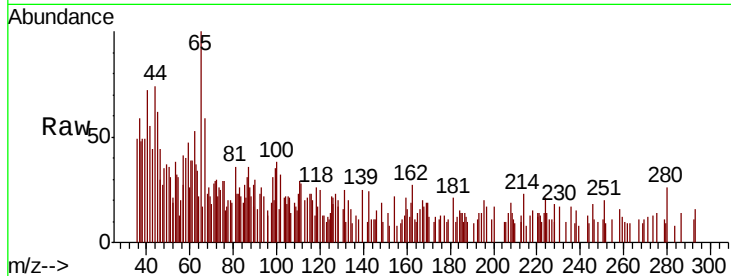
ClientSampled :

Tot Ion: 62 Resp: 1396

Ion Ratio Lower Upper

62 100

98 14.4 0.0 20.0



#49

1,4-Dioxane

Concen: 5.271 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VX014730.D

Acq: 27 Jan 2020 16:40

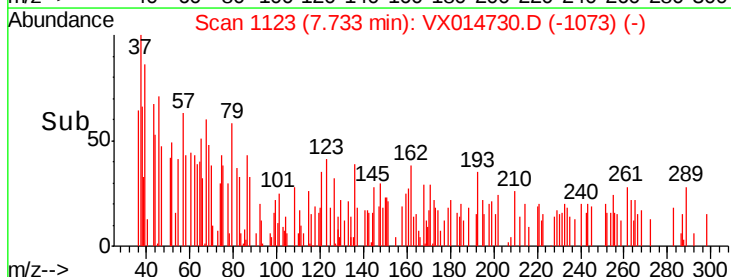
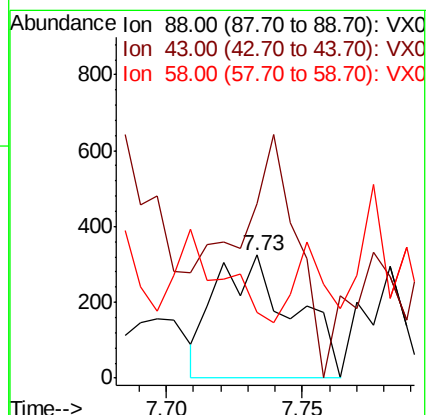
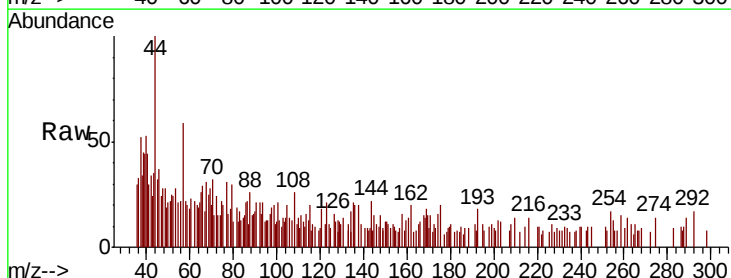
Tgt Ion: 88 Resp: 636

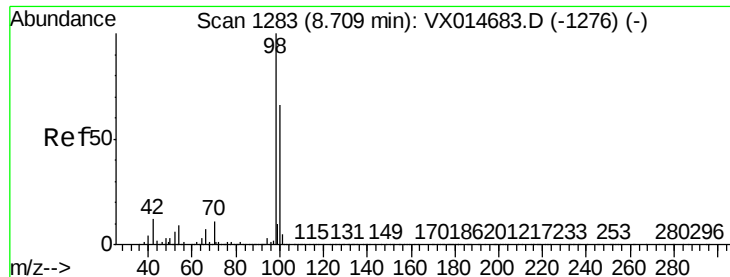
Ion Ratio Lower Upper

88 100

43 165.9 26.2 39.2#

58 24.1 56.6 85.0#





#50

Toluene-d8

Concen: 49.029 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014730.D

Acq: 27 Jan 2020 16:40

Instrument :

MSVOA_X

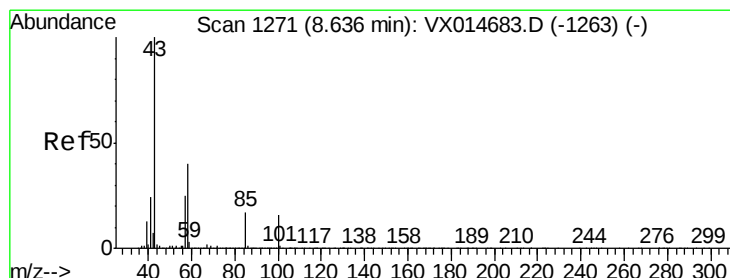
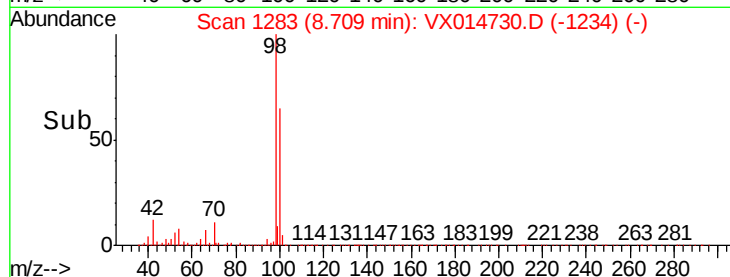
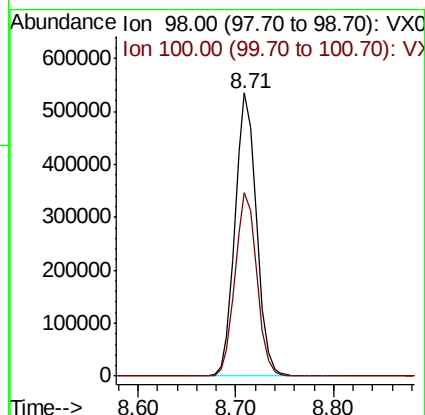
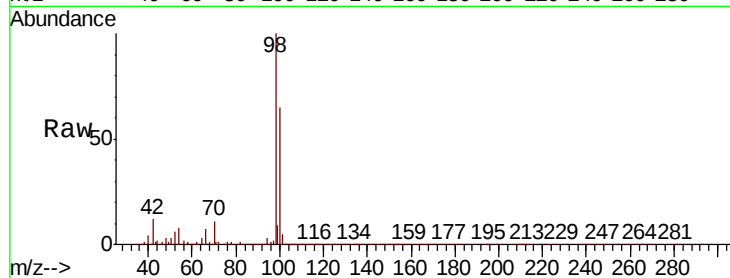
ClientSampleId :

Tot Ion: 98 Resp: 813020

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 0.259 ug/l

RT: 8.64 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VX014730.D

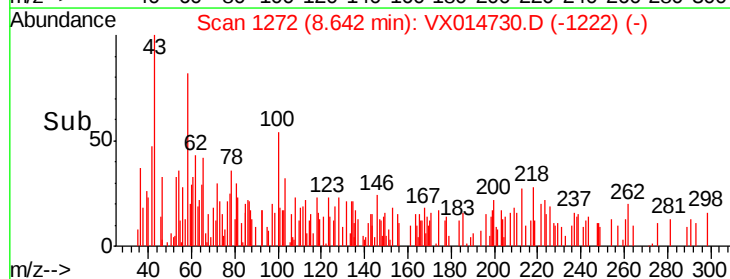
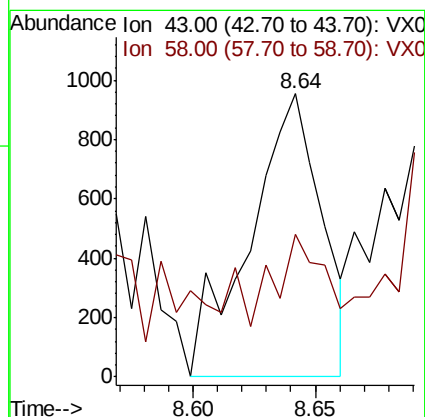
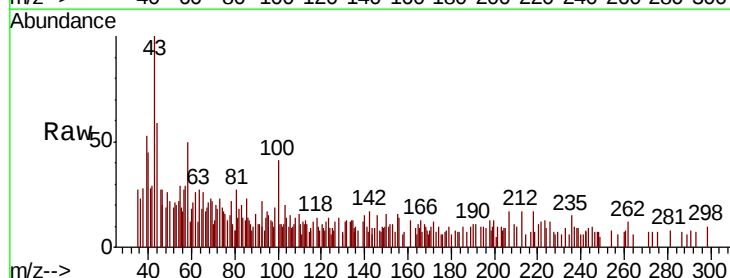
Acq: 27 Jan 2020 16:40

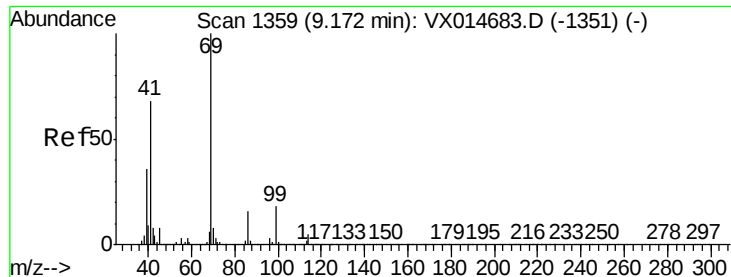
Tgt Ion: 43 Resp: 1948

Ion Ratio Lower Upper

43 100

58 22.2 31.6 47.4#

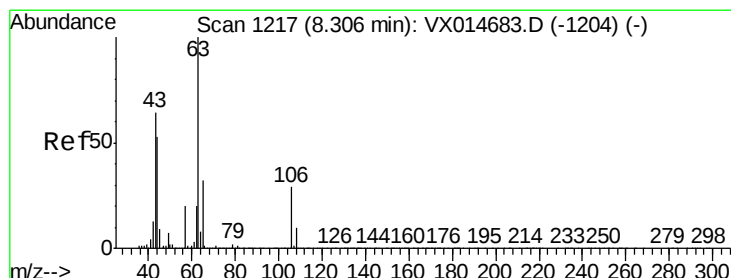
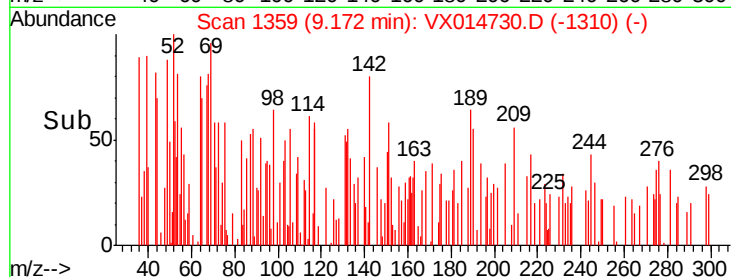
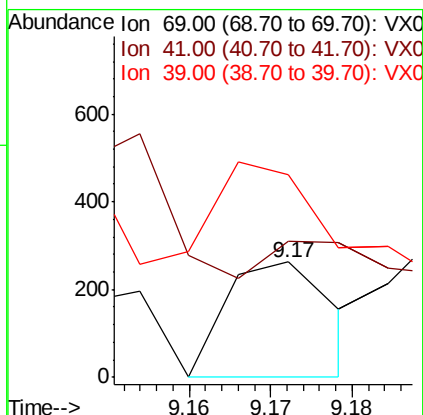
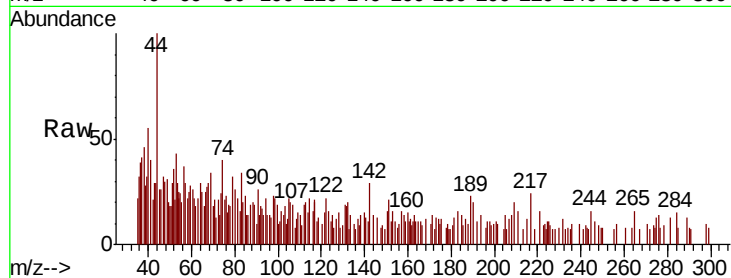




#56
 Ethyl methacrylate
 Concen: 1.812 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014730.D
 Acq: 27 Jan 2020 16:40

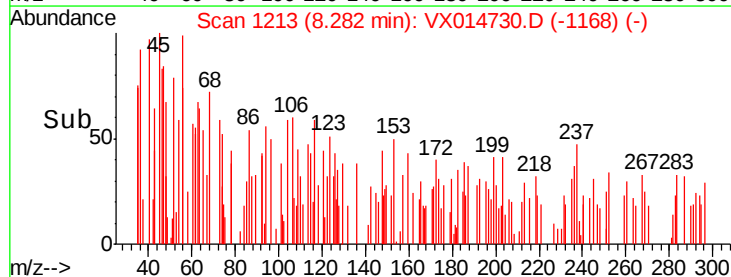
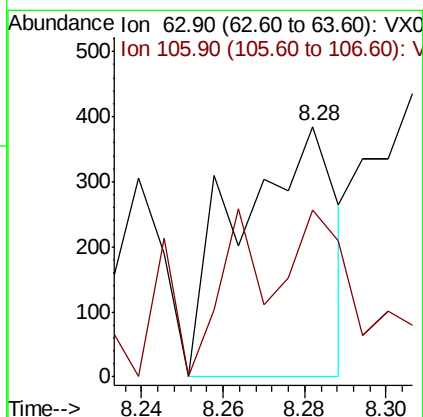
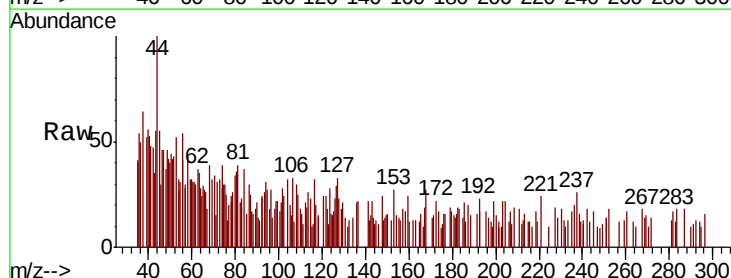
Instrument :
 MSVOA_X
 ClientSampleId :

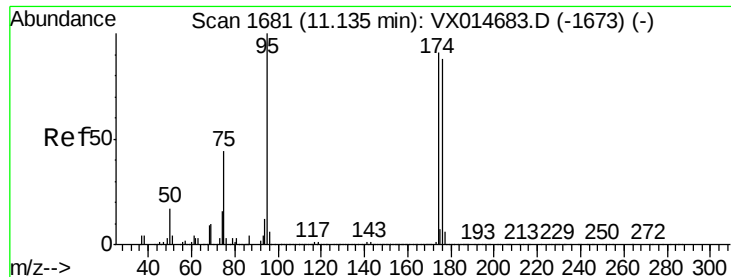
Tot Ion: 69 Resp: 238
 Ion Ratio Lower Upper
 69 100
 41 0.0 54.9 82.3#
 39 273.1 29.3 43.9#



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.258 ug/l
 RT: 8.28 min Scan# 1213
 Delta R.T. -0.02 min
 Lab File: VX014730.D
 Acq: 27 Jan 2020 16:40

Tgt Ion: 63 Resp: 641
 Ion Ratio Lower Upper
 63 100
 106 49.1 22.7 34.1#

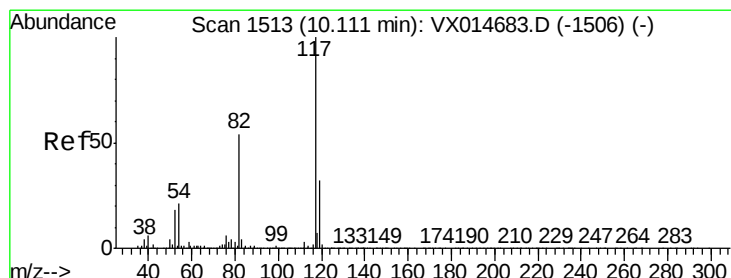
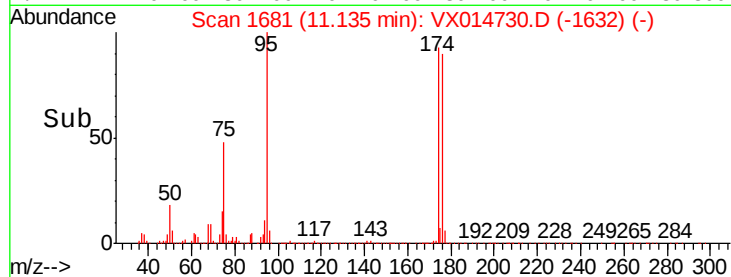
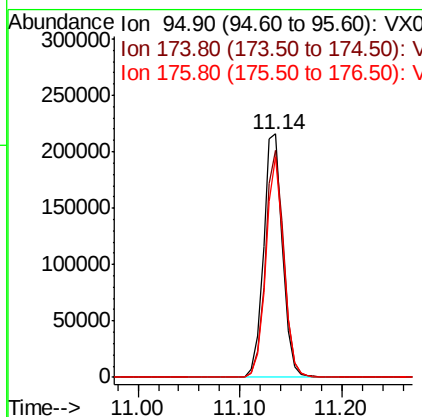
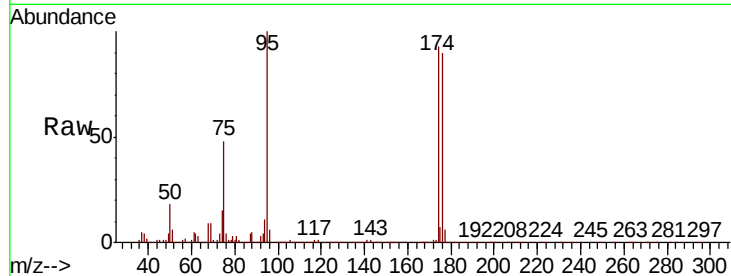




#62
4-Bromofluorobenzene
Concen: 47.530 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX014730.D
Acq: 27 Jan 2020 16:40

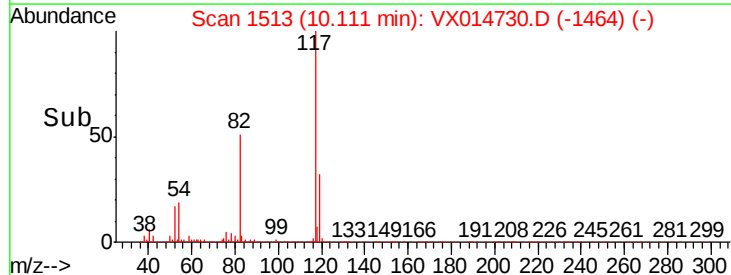
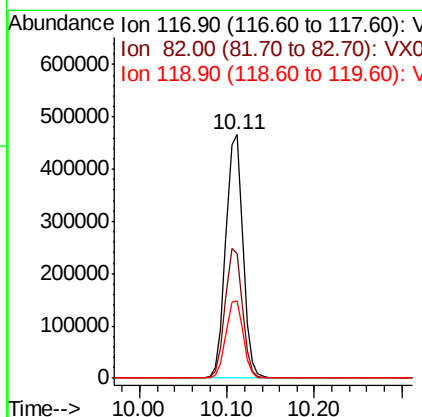
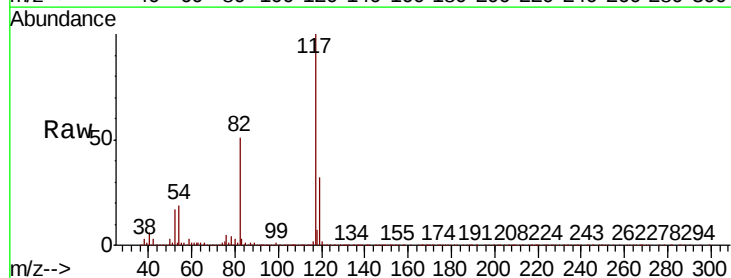
Instrument :
MSVOA_X
ClientSampleId :

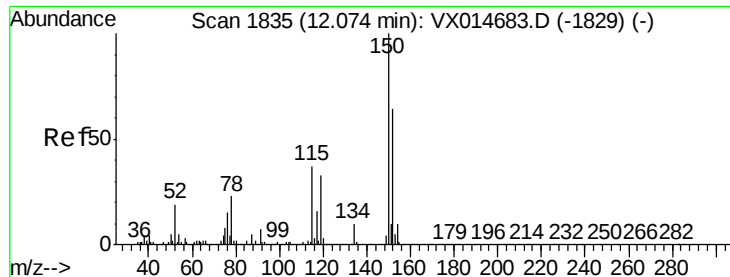
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.0	0.0	176.0
176	85.3	0.0	172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014730.D
Acq: 27 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.2	43.2	64.8
119	32.0	25.8	38.6



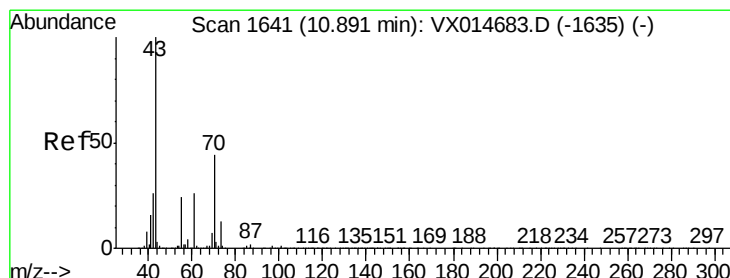
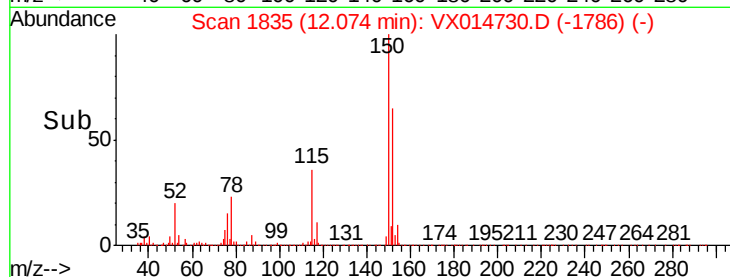
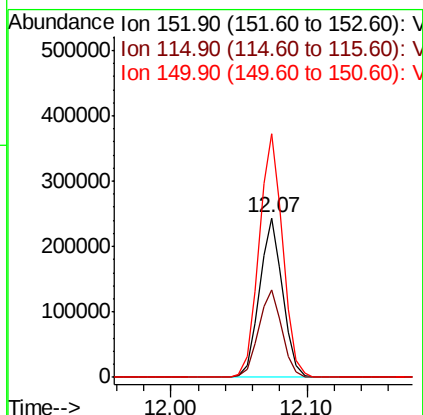
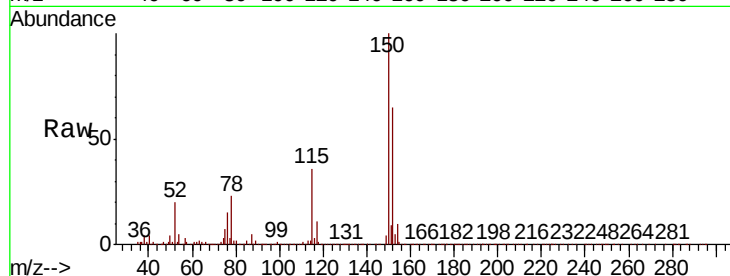


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014730.D
Acq: 27 Jan 2020 16:40

Instrument :
MSVOA_X
ClientSampled :

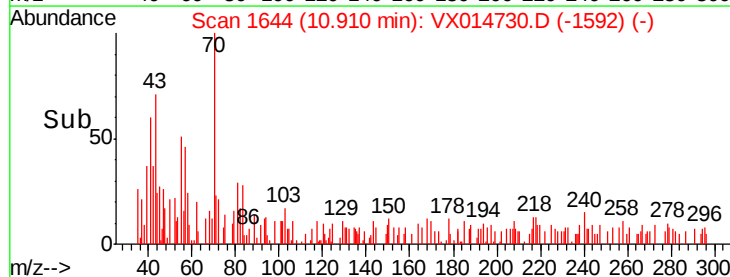
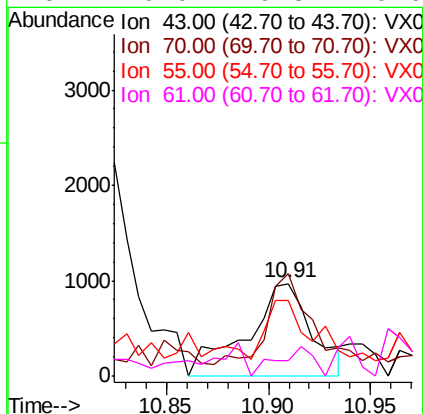
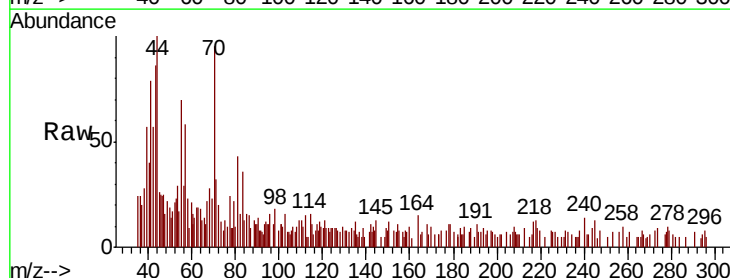
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.5	39.4	118.1
150	156.3	0.0	351.2

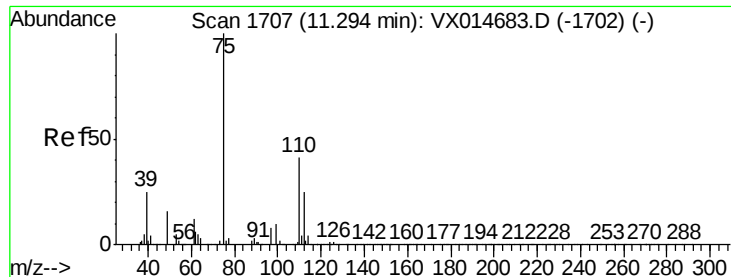


#74

N-ethyl acetate
Concen: 0.239 ug/l
RT: 10.91 min Scan# 1644
Delta R.T. 0.02 min
Lab File: VX014730.D
Acq: 27 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
43	100		
70	69.3	34.6	52.0#
55	45.0	19.4	29.2#
61	0.0	19.8	29.6#





#76

1,2,3-Trichloropropane

Concen: 20.749 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014730.D

Acq: 27 Jan 2020 16:40

Instrument :

MSVOA_X

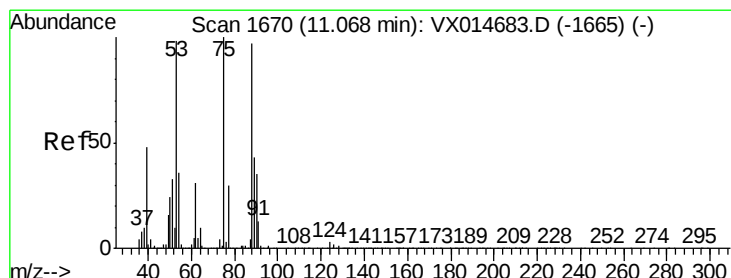
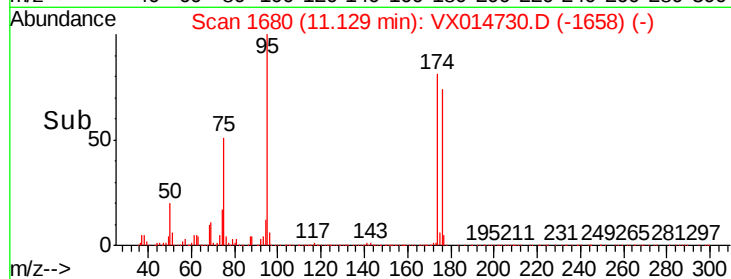
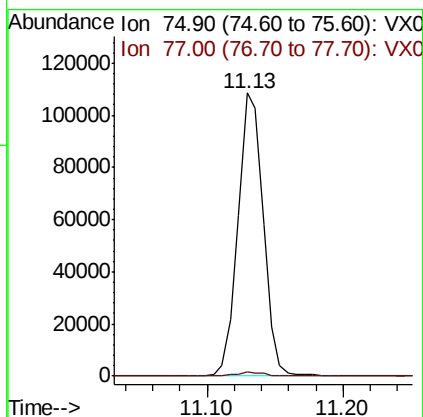
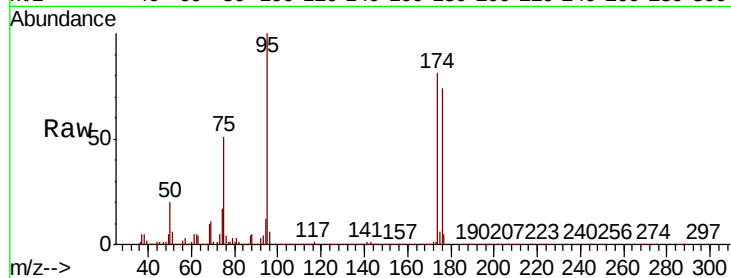
ClientSampleId :

Tot Ion: 75 Resp: 140687

Ion Ratio Lower Upper

75 100

77 1.3 18.7 56.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.048 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014730.D

Acq: 27 Jan 2020 16:40

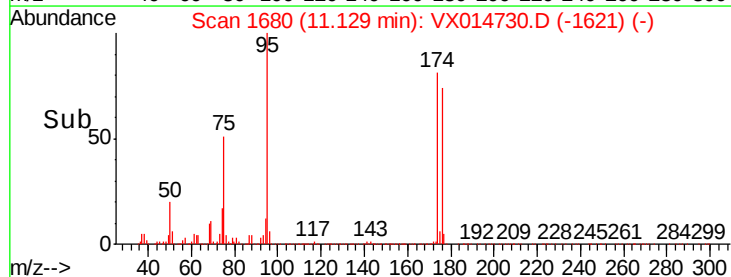
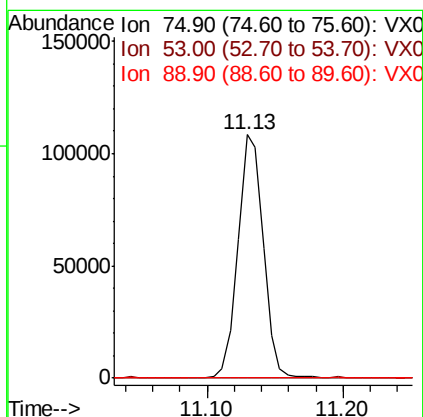
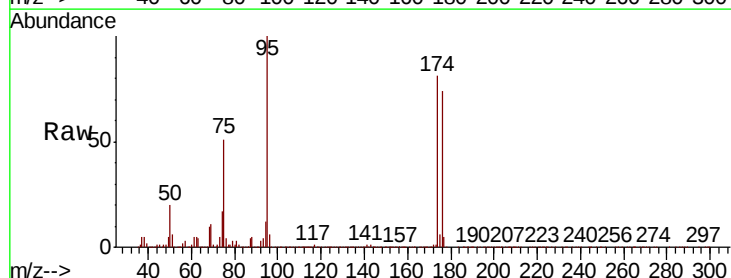
Tgt Ion: 75 Resp: 140687

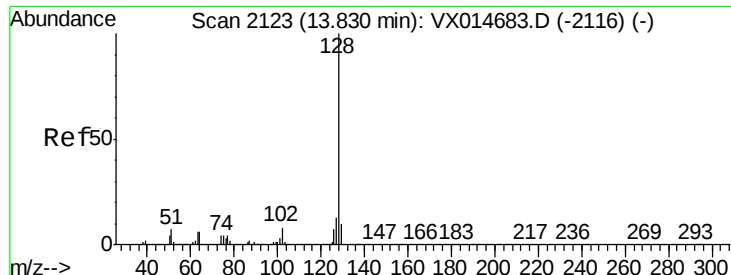
Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

89 0.0 35.4 53.0#





#95

Naphthalene

Concen: 1.021 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014730.D

Acq: 27 Jan 2020 16:40

Instrument :

MSVOA_X

ClientSampleId :

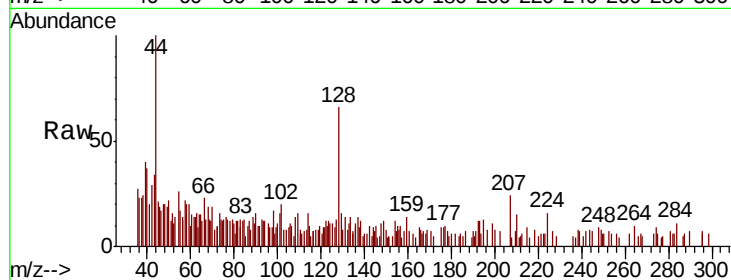
Tot Ion:128 Resp: 1865

Ion Ratio Lower Upper

128 100

127 22.6 10.3 15.5#

129 6.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

