

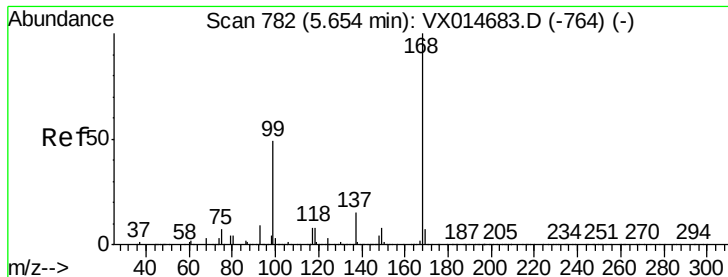
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012720\
 Data File : VX014732.D
 Acq On : 27 Jan 2020 17:27
 Operator : JC/SP
 Sample : L1245-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 03:18:12 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	453424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	718954	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	663756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	309138	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	263409	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
35) Dibromofluoromethane	5.49	113	119373	26.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	52.62%	
50) Toluene-d8	8.71	98	861658	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	11.13	95	296577	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.19	85	447	0.604	ug/l	80
6) Chloroethane	1.72	64	178	Below Cal	#	43
11) Tert butyl alcohol	3.02	59	433	0.364	ug/l #	1
13) Acrolein	2.29	56	1511	1.612	ug/l #	66
16) Acetone	2.43	43	57452	19.936	ug/l	98
20) Methylene Chloride	2.85	84	12498	2.327	ug/l	97
25) 2-Butanone	4.66	43	12816	3.082	ug/l #	85
28) Bromochloromethane	5.01	49	876	0.228	ug/l #	11
31) Cyclohexane	5.65	56	8419	1.023	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	31510	4.717	ug/l #	52
38) Carbon Tetrachloride	5.65	117	40540	6.354	ug/l #	16
41) Methacrylonitrile	5.03	41	496	Below Cal	#	1
49) 1,4-Dioxane	7.75	88	764	6.020	ug/l #	30
56) Ethyl methacrylate	9.18	69	129	1.799	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	146217	20.330	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	146217	57.854	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	13.10	75	446	0.267	ug/l	60
95) Naphthalene	13.83	128	800	0.968	ug/l #	73

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

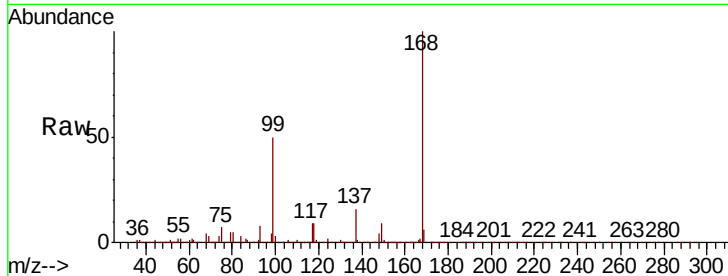


#1

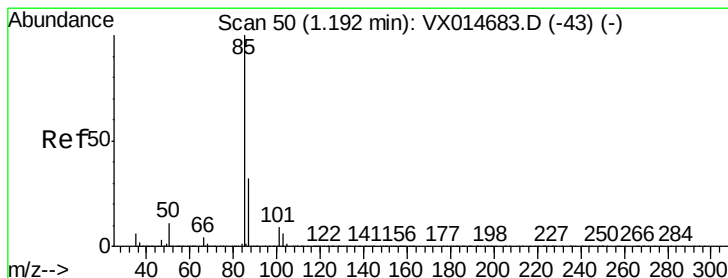
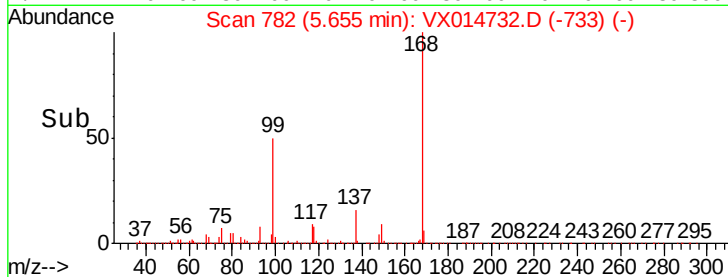
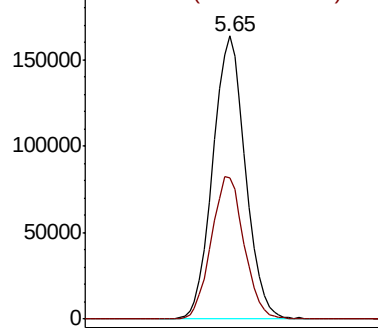
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: VX014732.D
 Acq: 27 Jan 2020 17:27

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:168 Resp: 453424
 Ion Ratio Lower Upper
 168 100
 99 50.0 39.8 59.6



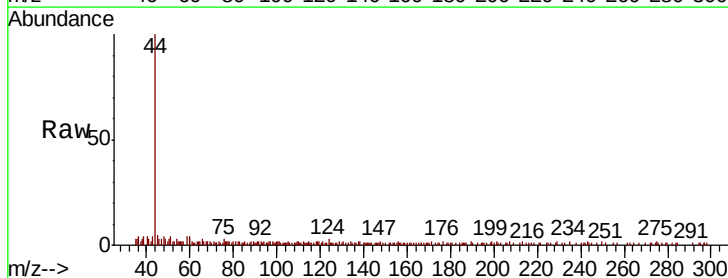
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



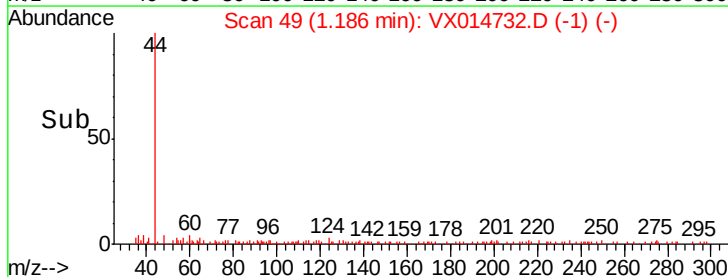
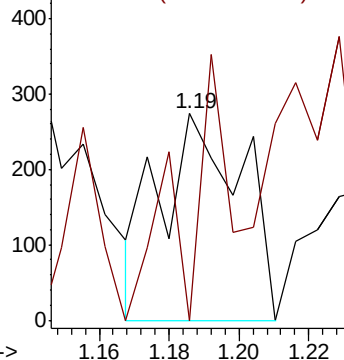
#2

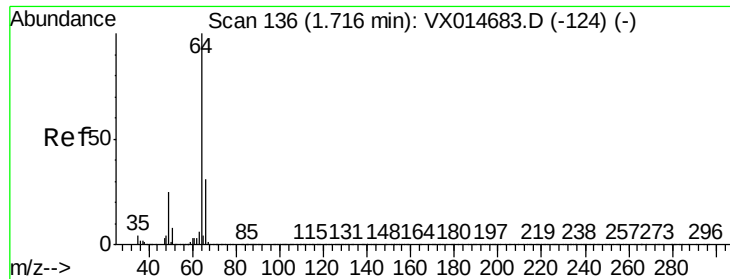
Dichlorodifluoromethane
 Concen: 0.604 ug/l
 RT: 1.19 min Scan# 49
 Delta R.T. -0.01 min
 Lab File: VX014732.D
 Acq: 27 Jan 2020 17:27

Tgt Ion: 85 Resp: 447
 Ion Ratio Lower Upper
 85 100
 87 43.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0
 Ion 86.90 (86.60 to 87.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX014732.D

Acq: 27 Jan 2020 17:27

Instrument :

MSVOA_X

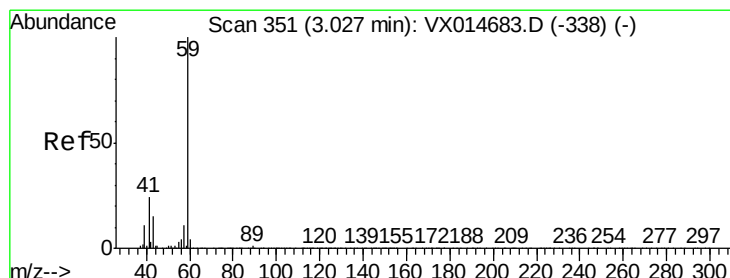
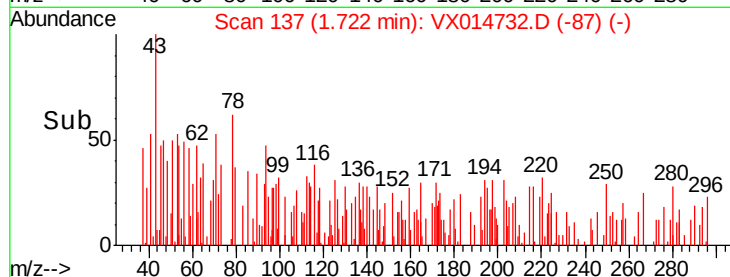
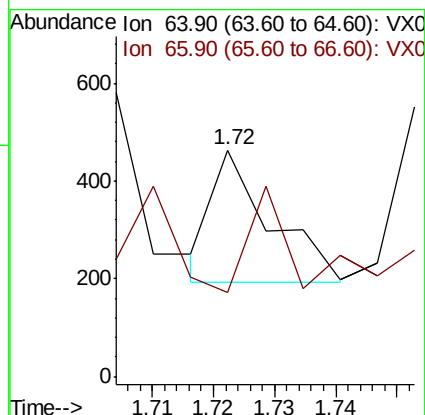
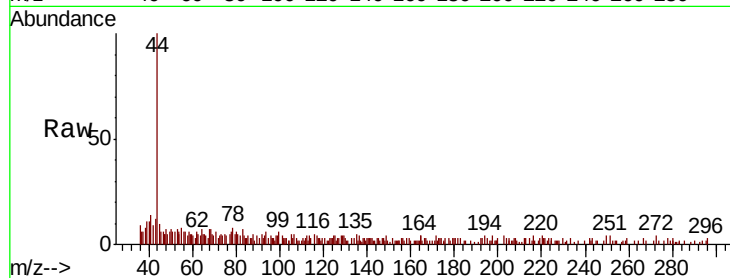
ClientSampleId :

Tot Ion: 64 Resp: 178

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



#11

Tert butyl alcohol

Concen: 0.364 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX014732.D

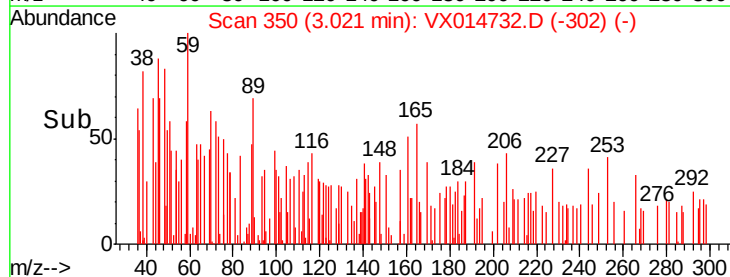
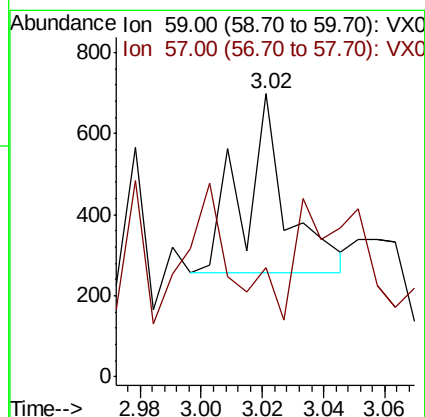
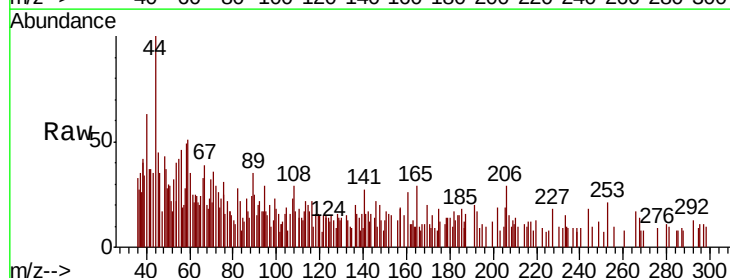
Acq: 27 Jan 2020 17:27

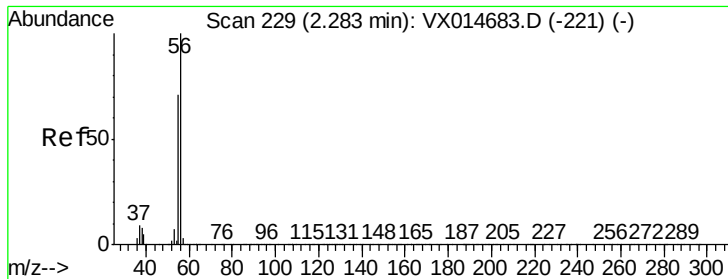
Tgt Ion: 59 Resp: 433

Ion Ratio Lower Upper

59 100

57 94.2 8.3 12.5#

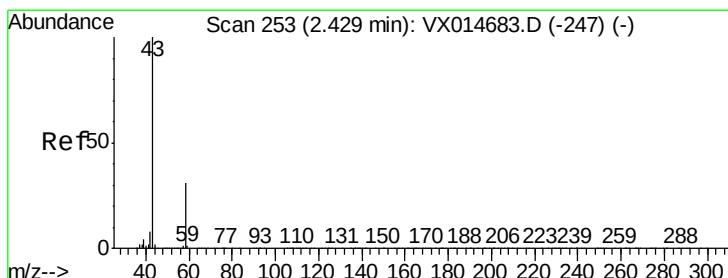
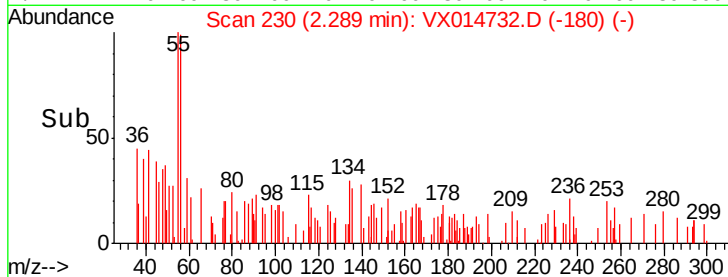
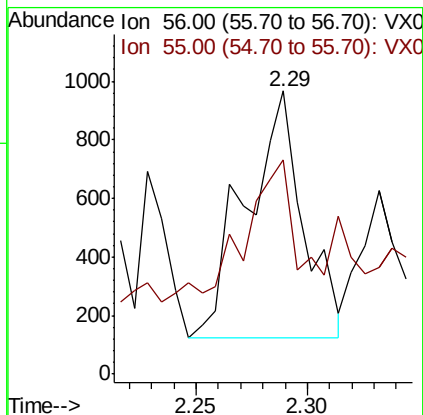
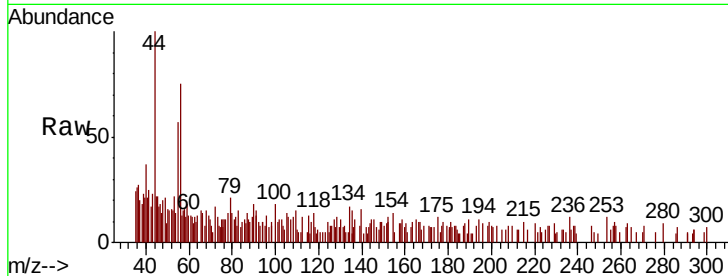




#13
Acrolein
Concen: 1.612 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX014732.D
Acq: 27 Jan 2020 17:27

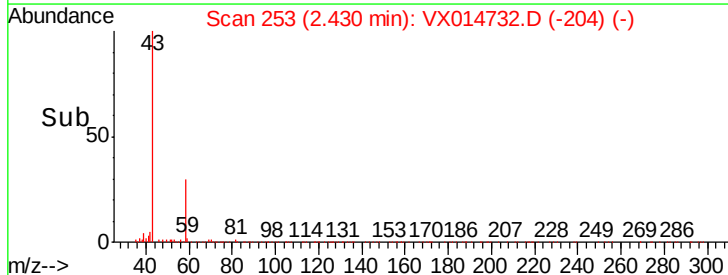
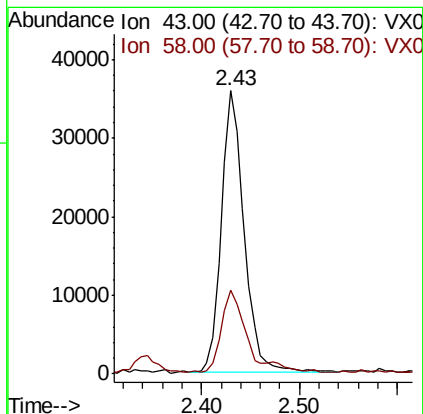
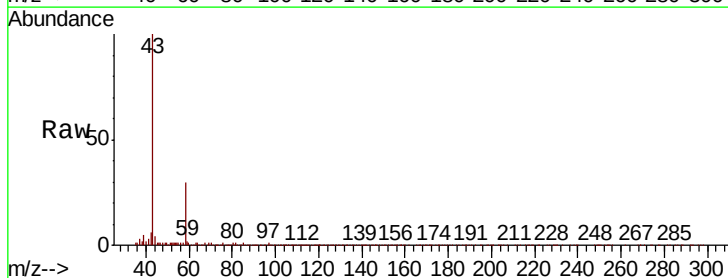
Instrument :
MSVOA_X
ClientSampled :

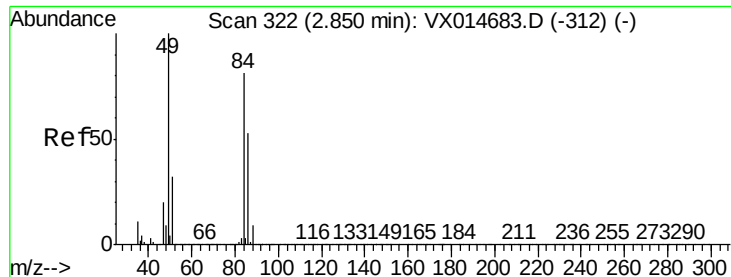
Tot Ion: 56 Resp: 1511
Ion Ratio Lower Upper
56 100
55 42.7 56.6 84.8#



#16
Acetone
Concen: 19.936 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014732.D
Acq: 27 Jan 2020 17:27

Tgt Ion: 43 Resp: 57452
Ion Ratio Lower Upper
43 100
58 29.3 24.5 36.7

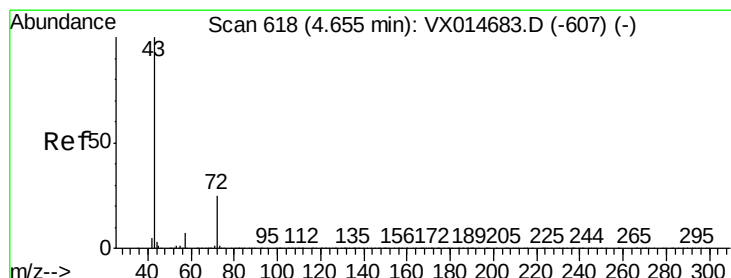
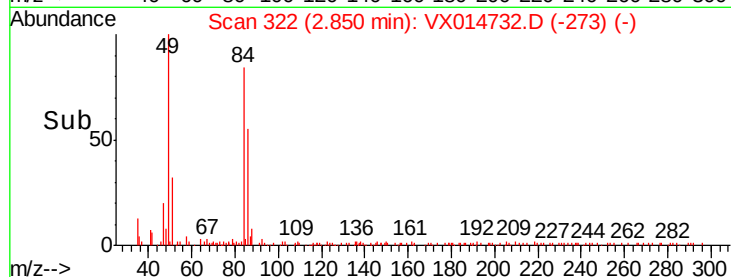
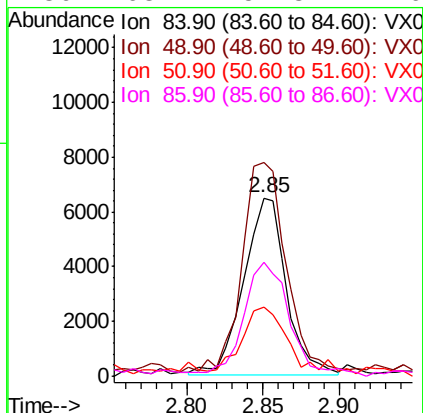
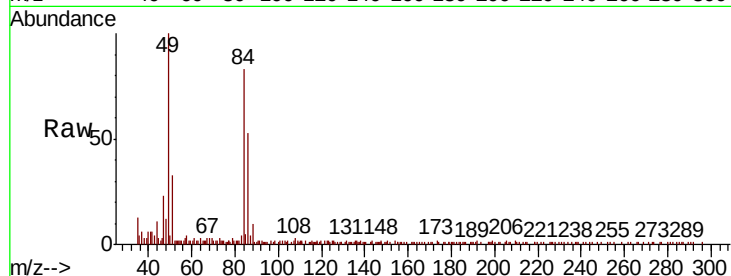




#20
Methvlene Chloride
Concen: 2.327 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014732.D
Acq: 27 Jan 2020 17:27

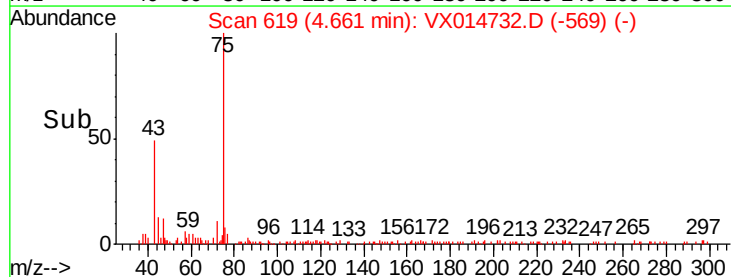
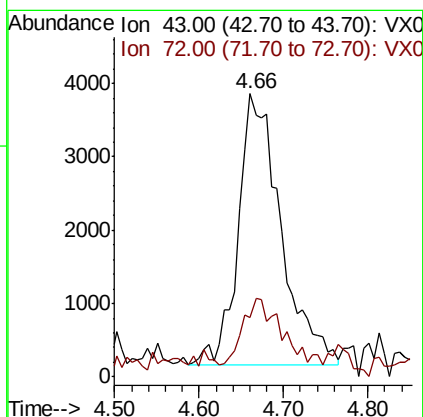
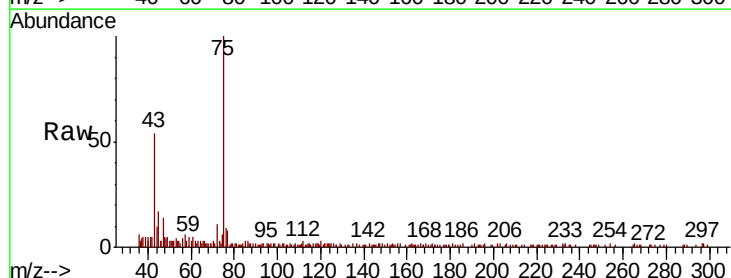
Instrument :
MSVOA_X
ClientSampleId :

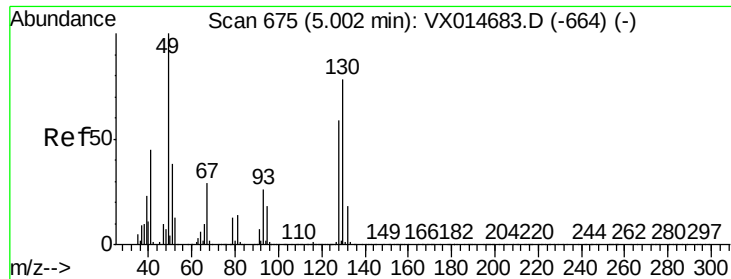
Tot Ion:	84	Resp:	12498
Ion	Ratio	Lower	Upper
84	100		
49	118.2	98.2	147.4
51	36.7	31.3	46.9
86	63.2	51.8	77.6



#25
2-Butanone
Concen: 3.082 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.01 min
Lab File: VX014732.D
Acq: 27 Jan 2020 17:27

Tgt Ion:	43	Resp:	12816
Ion	Ratio	Lower	Upper
43	100		
72	17.4	19.9	29.9#





#28

Bromochloromethane

Concen: 0.228 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014732.D

Acq: 27 Jan 2020 17:27

Instrument :
MSVOA_X
ClientSampleId :

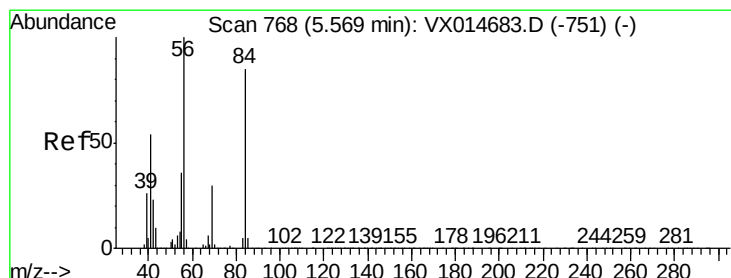
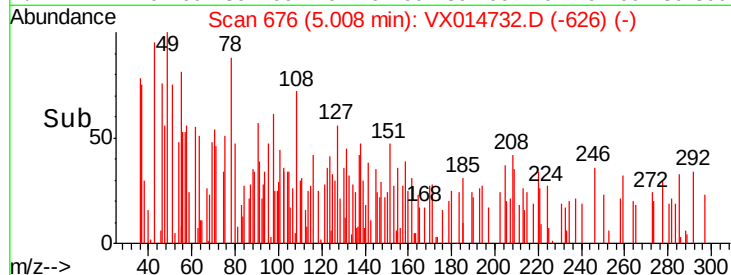
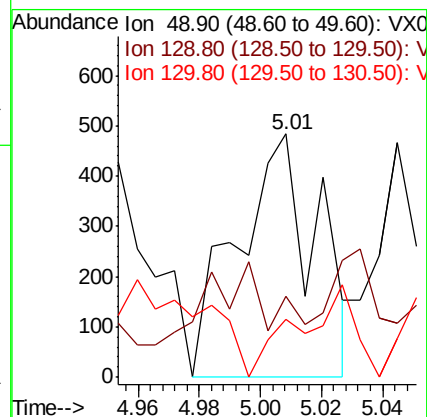
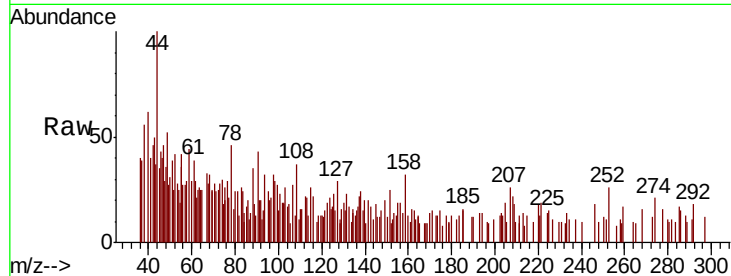
Tot Ion: 49 Resp: 876

Ion Ratio Lower Upper

49 100

129 28.3 0.0 4.8#

130 0.0 62.4 93.6#



#31

Cyclohexane

Concen: 1.023 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX014732.D

Acq: 27 Jan 2020 17:27

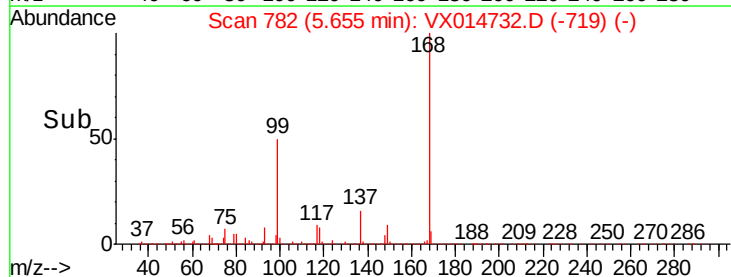
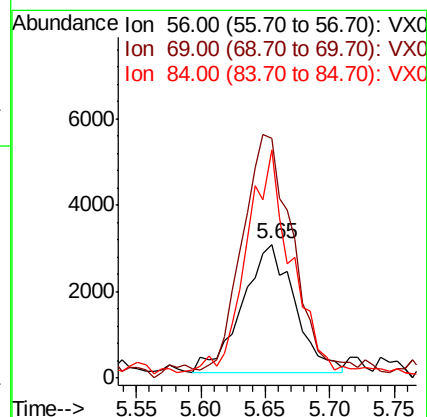
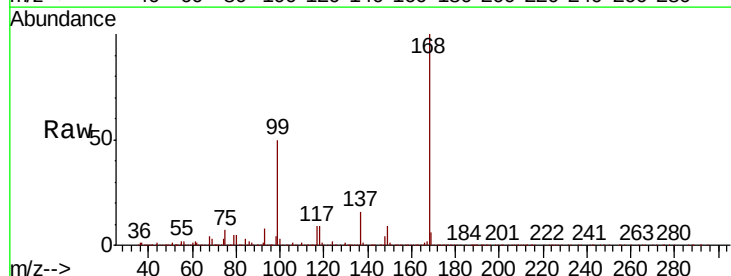
Tgt Ion: 56 Resp: 8419

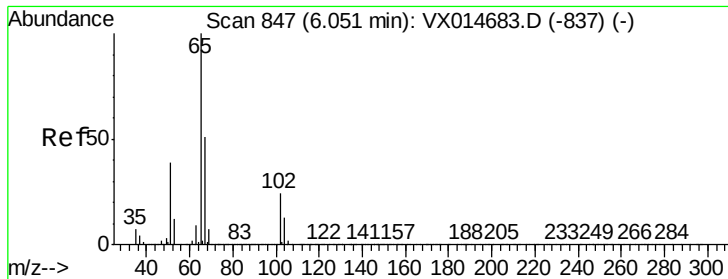
Ion Ratio Lower Upper

56 100

69 178.7 23.4 35.2#

84 184.3 68.4 102.6#

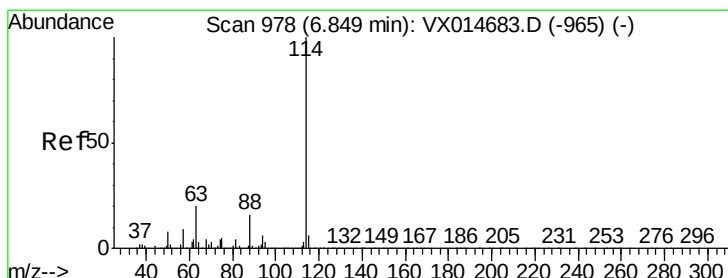
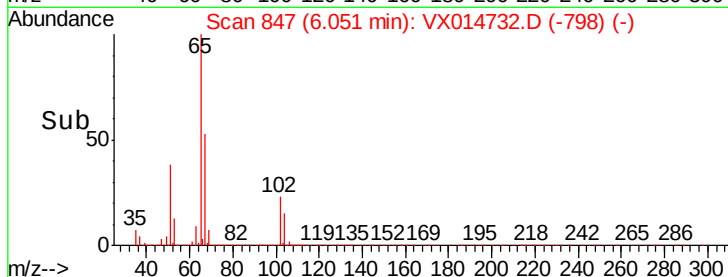
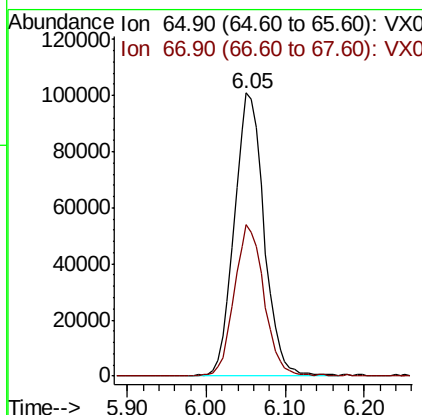
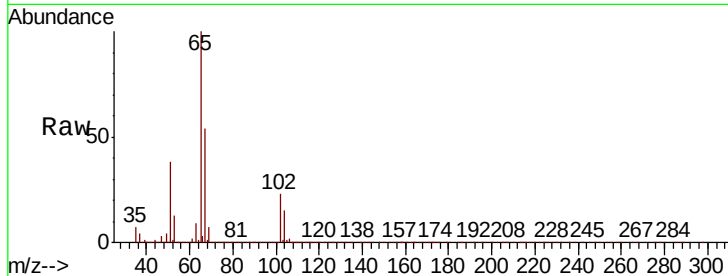




#33
 1,2-Dichloroethane-d4
 Concen: 49.747 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014732.D
 Acq: 27 Jan 2020 17:27

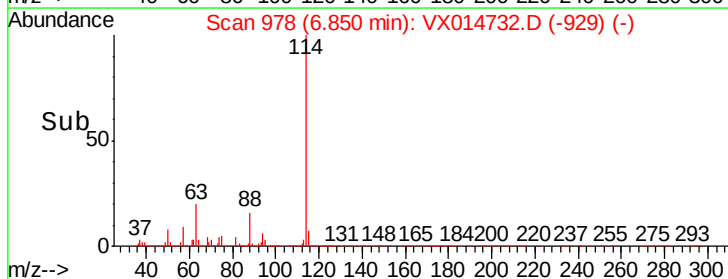
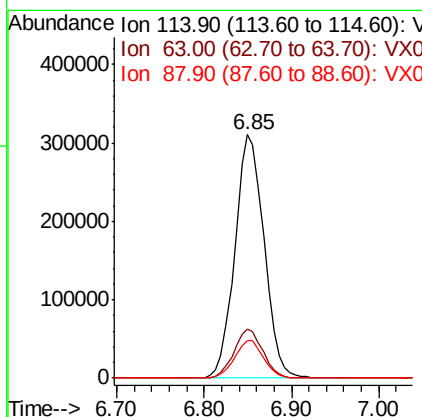
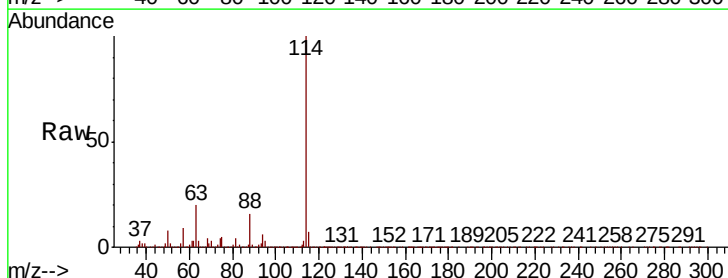
Instrument :
 MSVOA_X
 ClientSampleId :

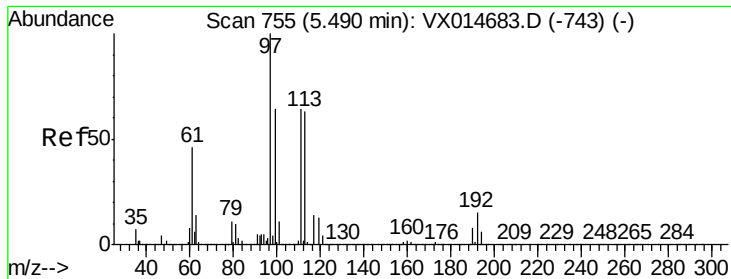
Tot Ion: 65 Resp: 263409
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014732.D
 Acq: 27 Jan 2020 17:27

Tgt Ion: 114 Resp: 718954
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.6
 88 15.5 0.0 31.2

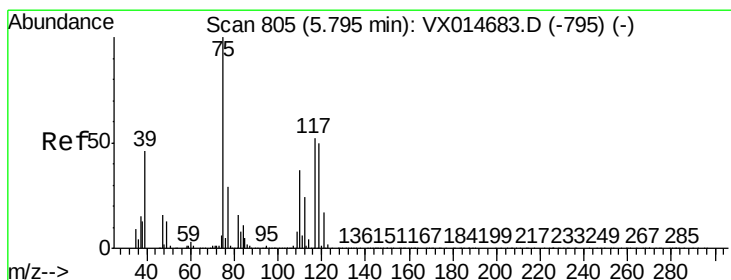
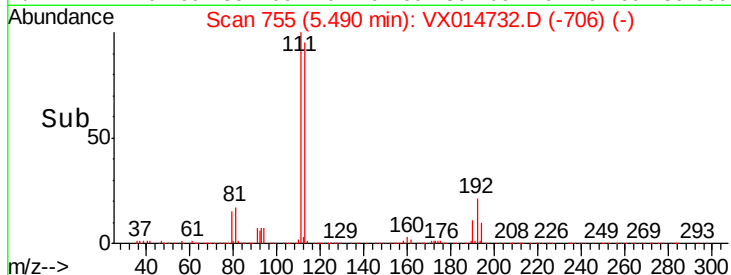
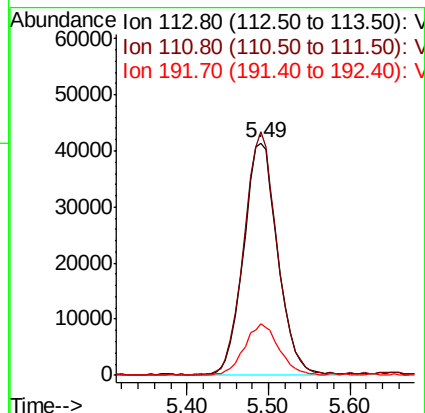
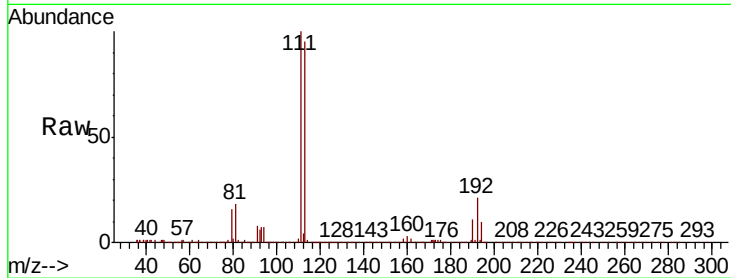




#35
Dibromofluoromethane
Concen: 26.314 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014732.D
Acq: 27 Jan 2020 17:27

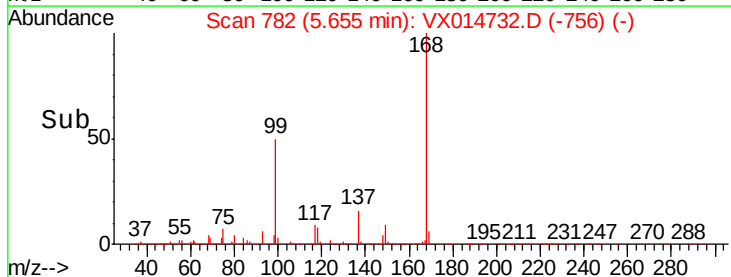
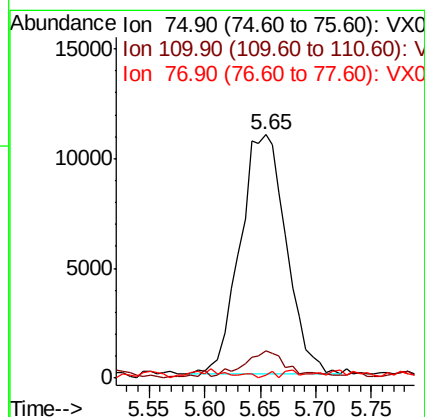
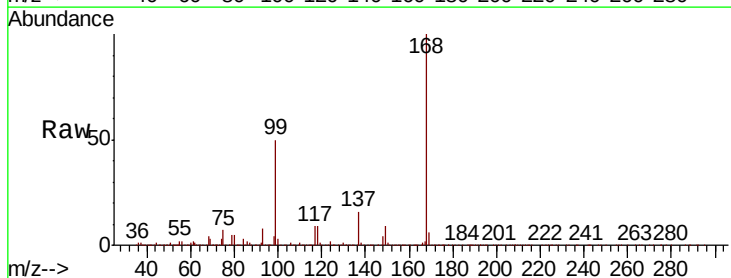
Instrument :
MSVOA_X
ClientSampled :

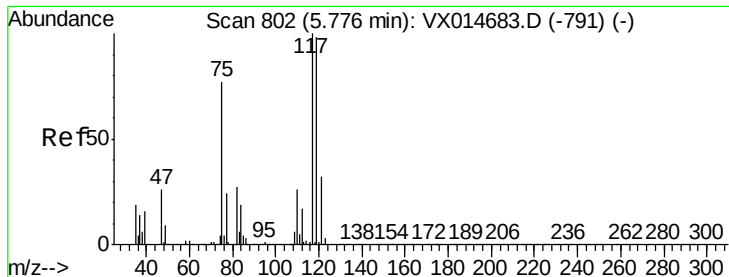
Tot Ion:113 Resp: 119373
Ion Ratio Lower Upper
113 100
111 102.9 80.7 121.1
192 22.3 18.5 27.7



#36
1,1-Dichloropropene
Concen: 4.717 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.14 min
Lab File: VX014732.D
Acq: 27 Jan 2020 17:27

Tgt Ion: 75 Resp: 31510
Ion Ratio Lower Upper
75 100
110 10.5 17.9 53.7#
77 0.5 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 6.354 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014732.D

Acq: 27 Jan 2020 17:27

Instrument :

MSVOA_X

ClientSampleId :

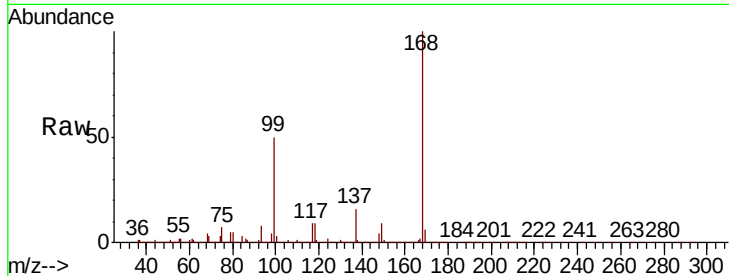
Tot Ion:117 Resp: 40540

Ion Ratio Lower Upper

117 100

119 6.2 77.9 116.9#

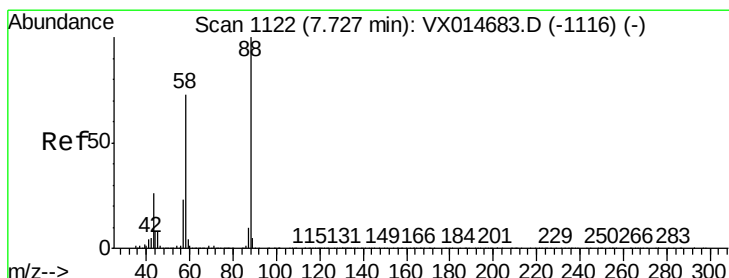
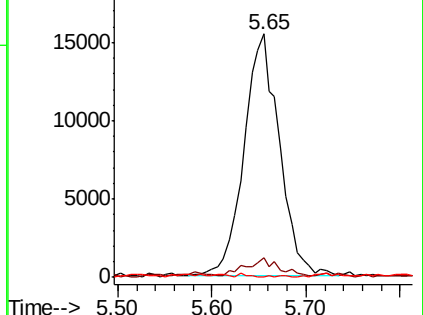
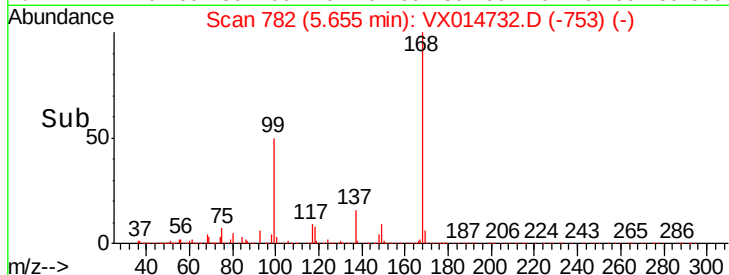
121 0.0 25.4 38.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 6.020 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX014732.D

Acq: 27 Jan 2020 17:27

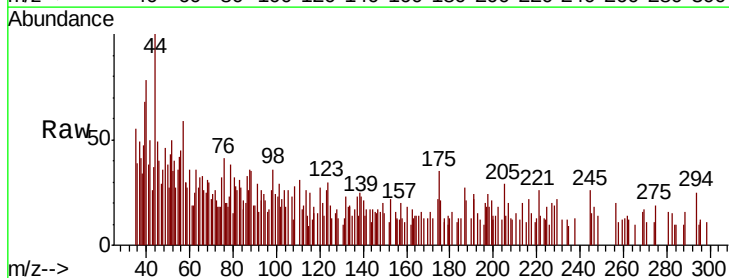
Tgt Ion: 88 Resp: 764

Ion Ratio Lower Upper

88 100

43 0.0 26.2 39.2#

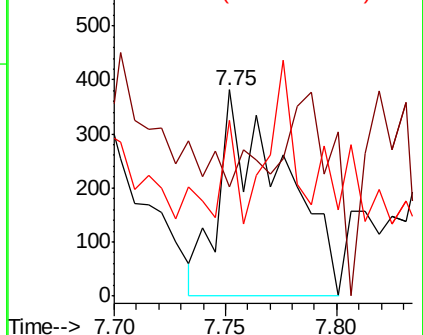
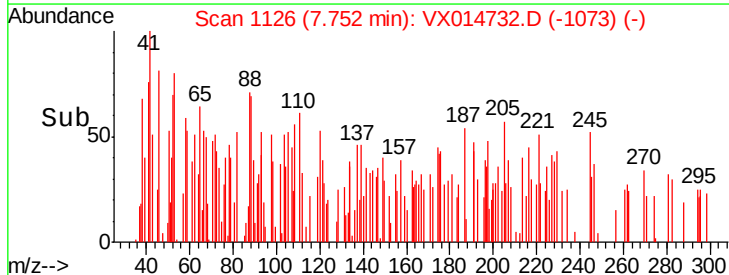
58 9.0 56.6 85.0#

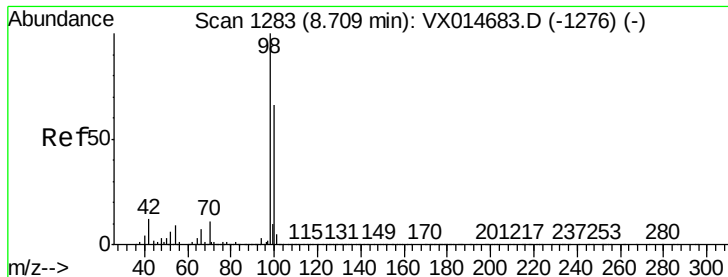


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

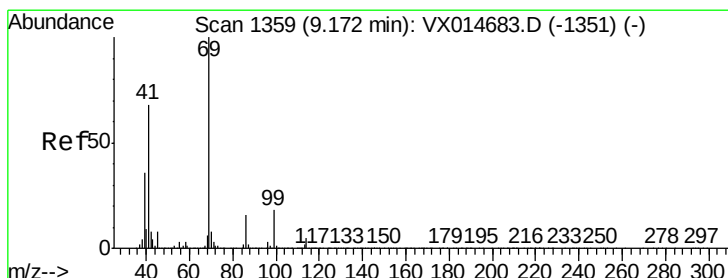
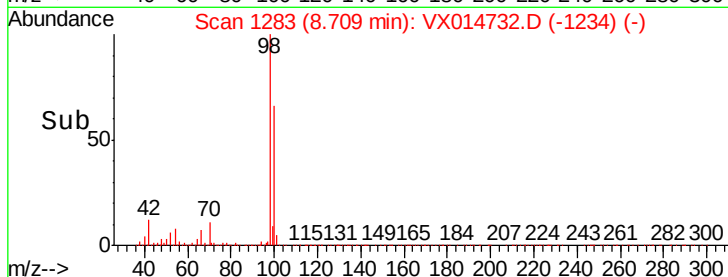
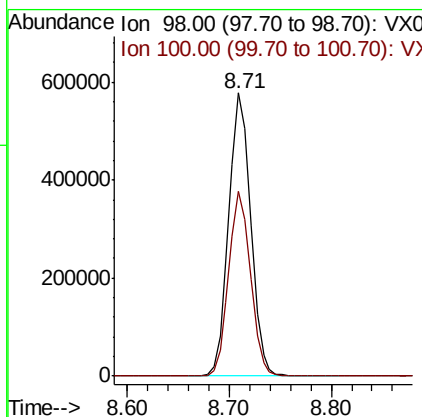
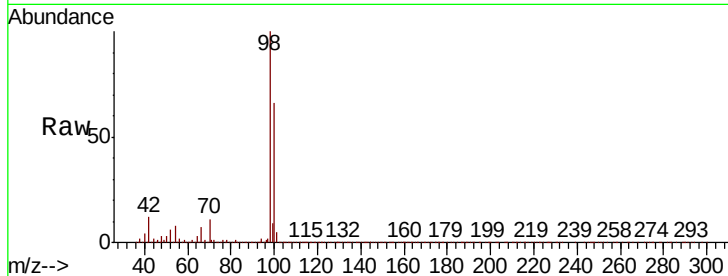




#50
Toluene-d8
Concen: 49.406 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014732.D
Acq: 27 Jan 2020 17:27

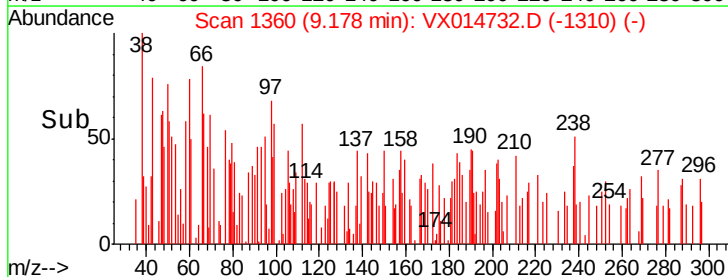
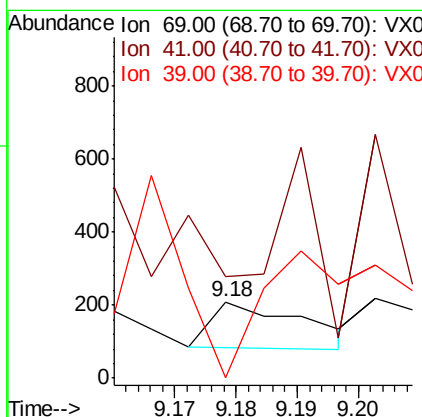
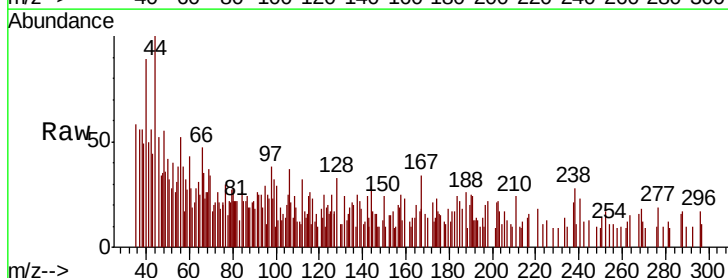
Instrument :
MSVOA_X
ClientSampleId :

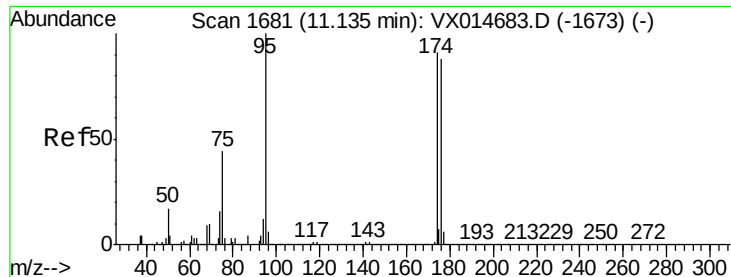
Tot Ion: 98 Resp: 861658
Ion Ratio Lower Upper
98 100
100 64.7 53.0 79.6



#56
Ethyl methacrylate
Concen: 1.799 ug/l
RT: 9.18 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VX014732.D
Acq: 27 Jan 2020 17:27

Tgt Ion: 69 Resp: 129
Ion Ratio Lower Upper
69 100
41 148.1 54.9 82.3#
39 241.9 29.3 43.9#

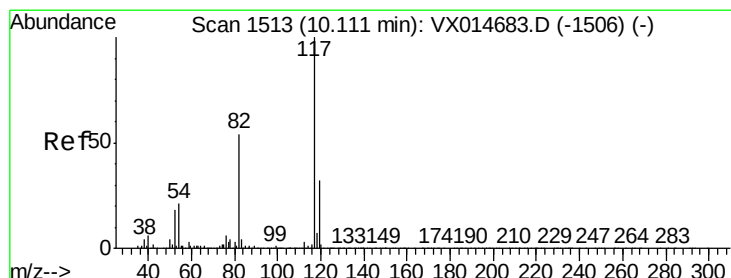
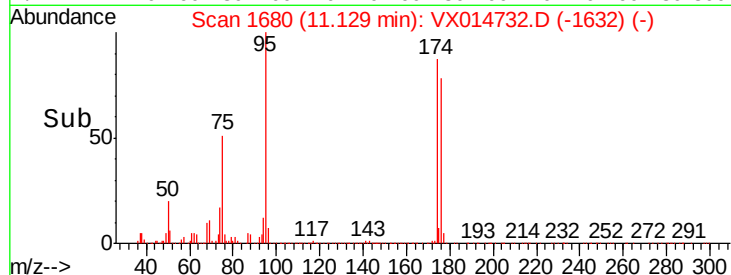
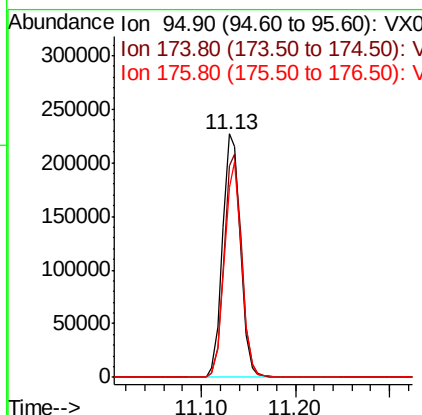
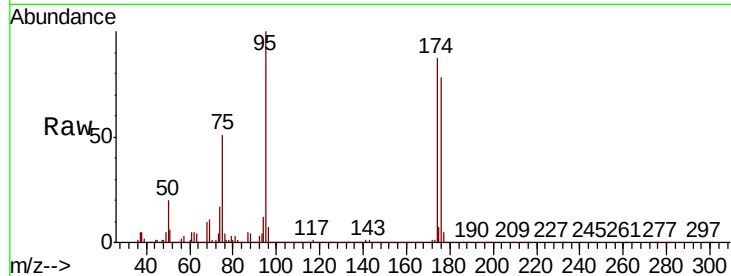




#62
4-Bromofluorobenzene
Concen: 47.738 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014732.D
Acq: 27 Jan 2020 17:27

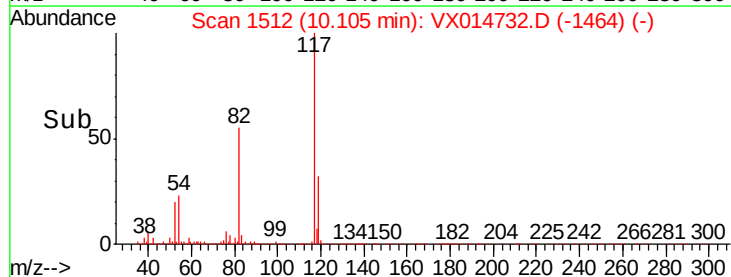
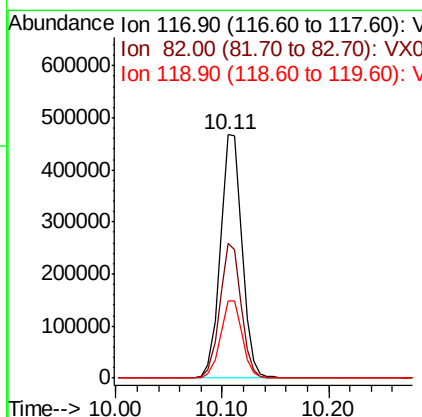
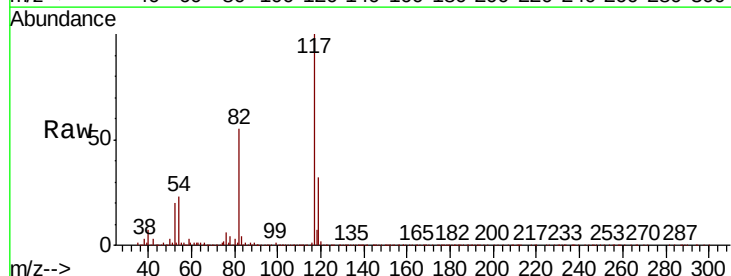
Instrument :
MSVOA_X
ClientSampleId :

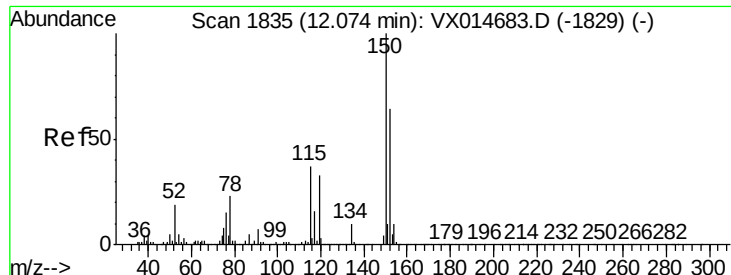
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.8	0.0	176.0
176	85.7	0.0	172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014732.D
Acq: 27 Jan 2020 17:27

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.3	43.2	64.8
119	31.6	25.8	38.6

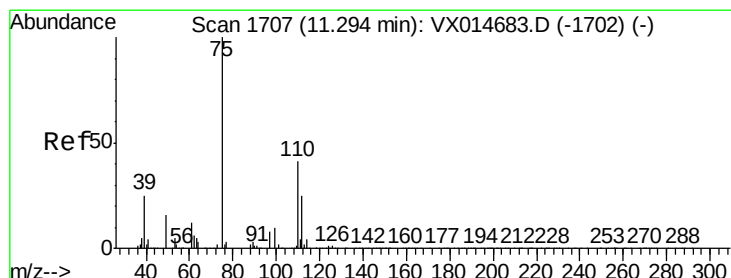
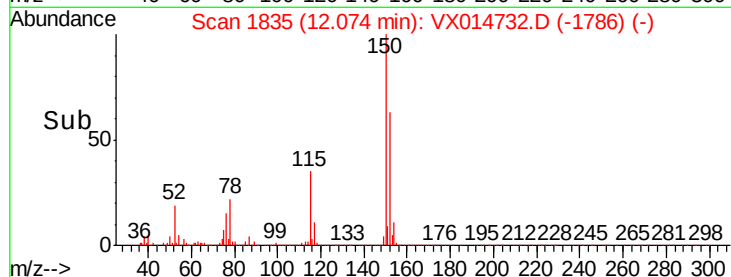
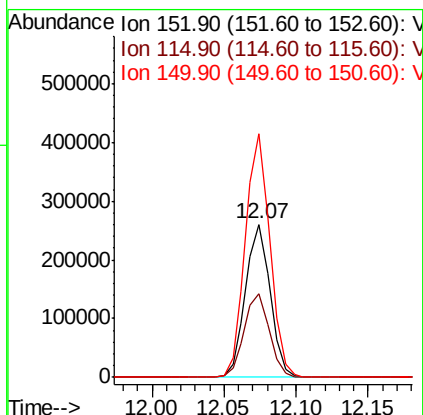
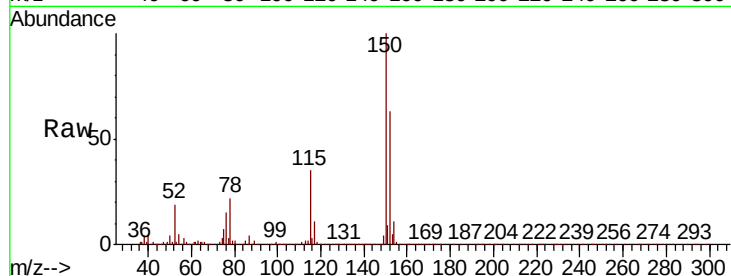




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014732.D
 Acq: 27 Jan 2020 17:27

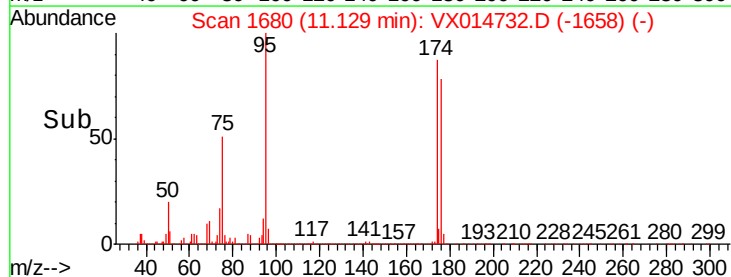
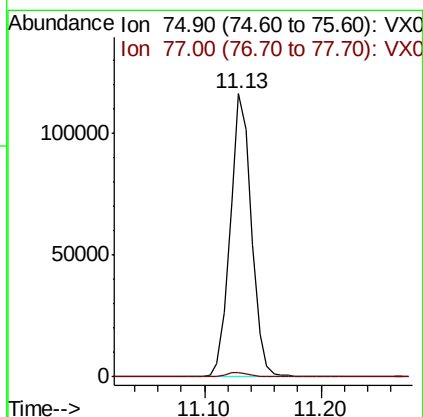
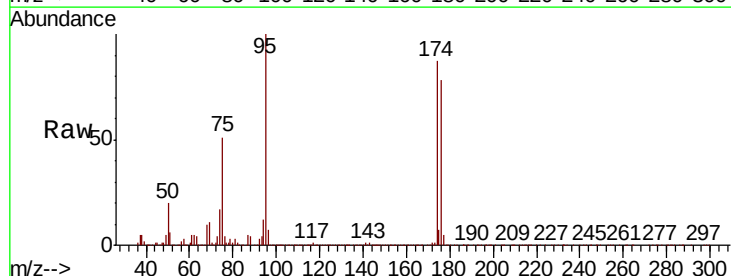
Instrument :
 MSVOA_X
 ClientSampleId :

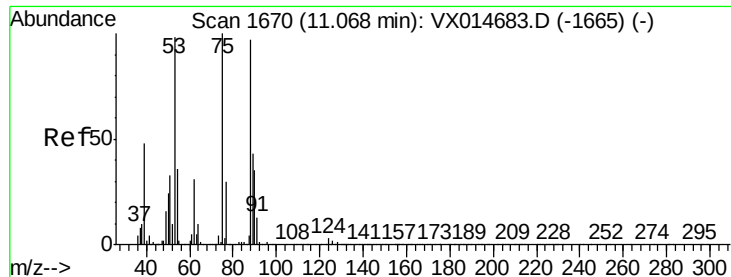
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.7	39.4	118.1
150	158.5	0.0	351.2



#76
 1,2,3-Trichloropropane
 Concen: 20.330 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX014732.D
 Acq: 27 Jan 2020 17:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.9	18.7	56.1

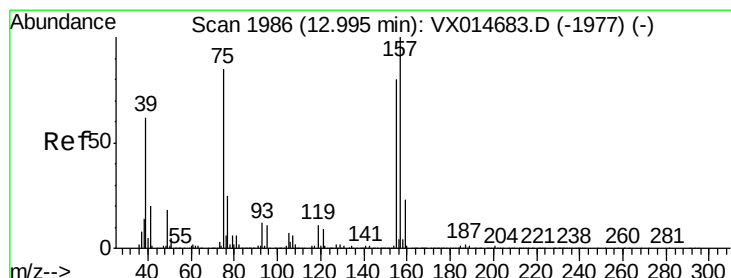
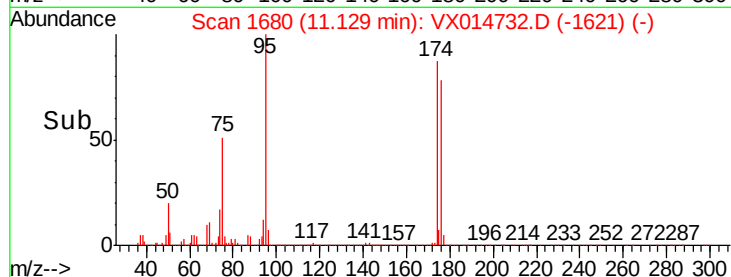
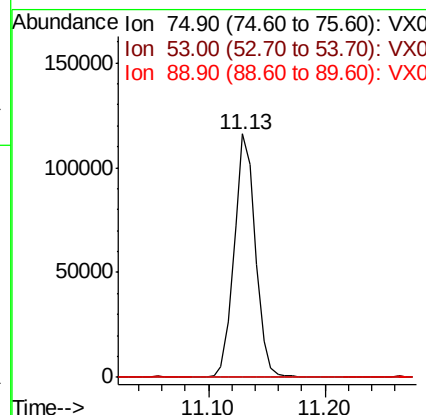
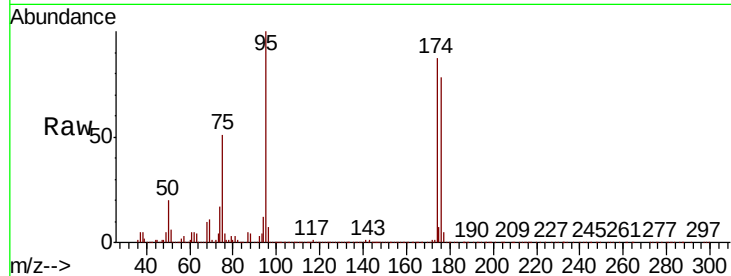




#81
trans-1,4-Dichloro-2-butene
Concen: 57.854 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014732.D
Acq: 27 Jan 2020 17:27

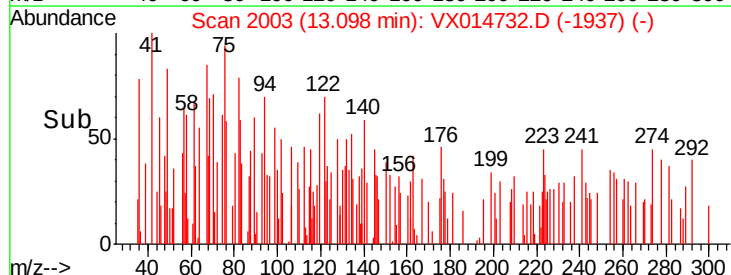
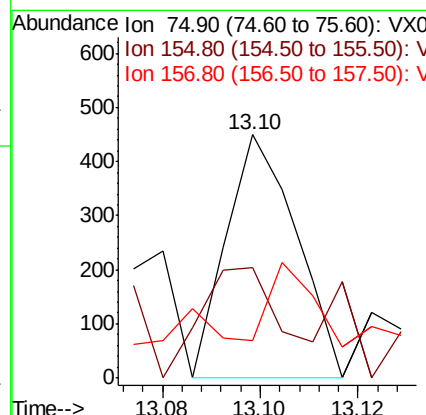
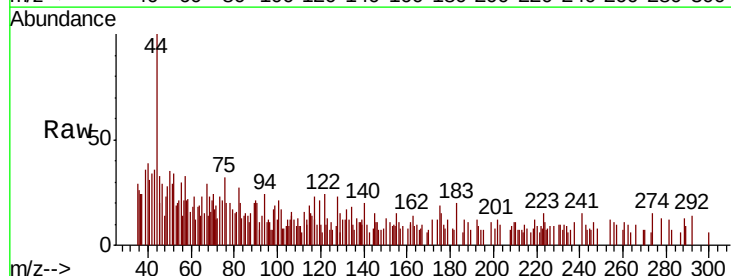
Instrument :
MSVOA_X
ClientSampleId :

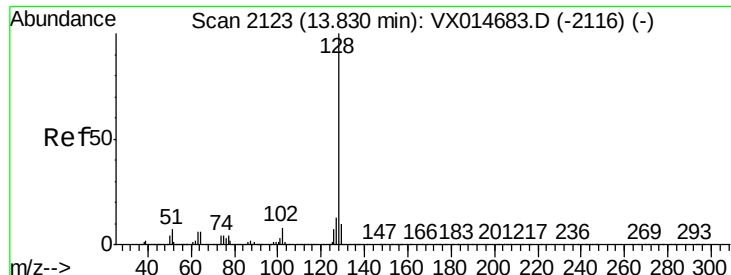
Tot Ion: 75 Resp: 146217
Ion Ratio Lower Upper
75 100
53 0.2 78.8 118.2#
89 0.1 35.4 53.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.267 ug/l
RT: 13.10 min Scan# 2003
Delta R.T. 0.10 min
Lab File: VX014732.D
Acq: 27 Jan 2020 17:27

Tgt Ion: 75 Resp: 446
Ion Ratio Lower Upper
75 100
155 53.1 45.6 136.9
157 76.5 60.3 180.9





#95
Naphthalene
Concen: 0.968 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014732.D
Acq: 27 Jan 2020 17:27

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	27.3	10.3	15.5#
129	17.0	8.6	12.8#

