

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010620\
 Data File : VX014435.D
 Acq On : 06 Jan 2020 18:15
 Operator : JC/SP
 Sample : L1010-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 07 04:42:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	581587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	878606	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	798066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	377348	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	314753	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	
35) Dibromofluoromethane	5.49	113	261898	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
50) Toluene-d8	8.71	98	1043064	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	11.13	95	368449	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	

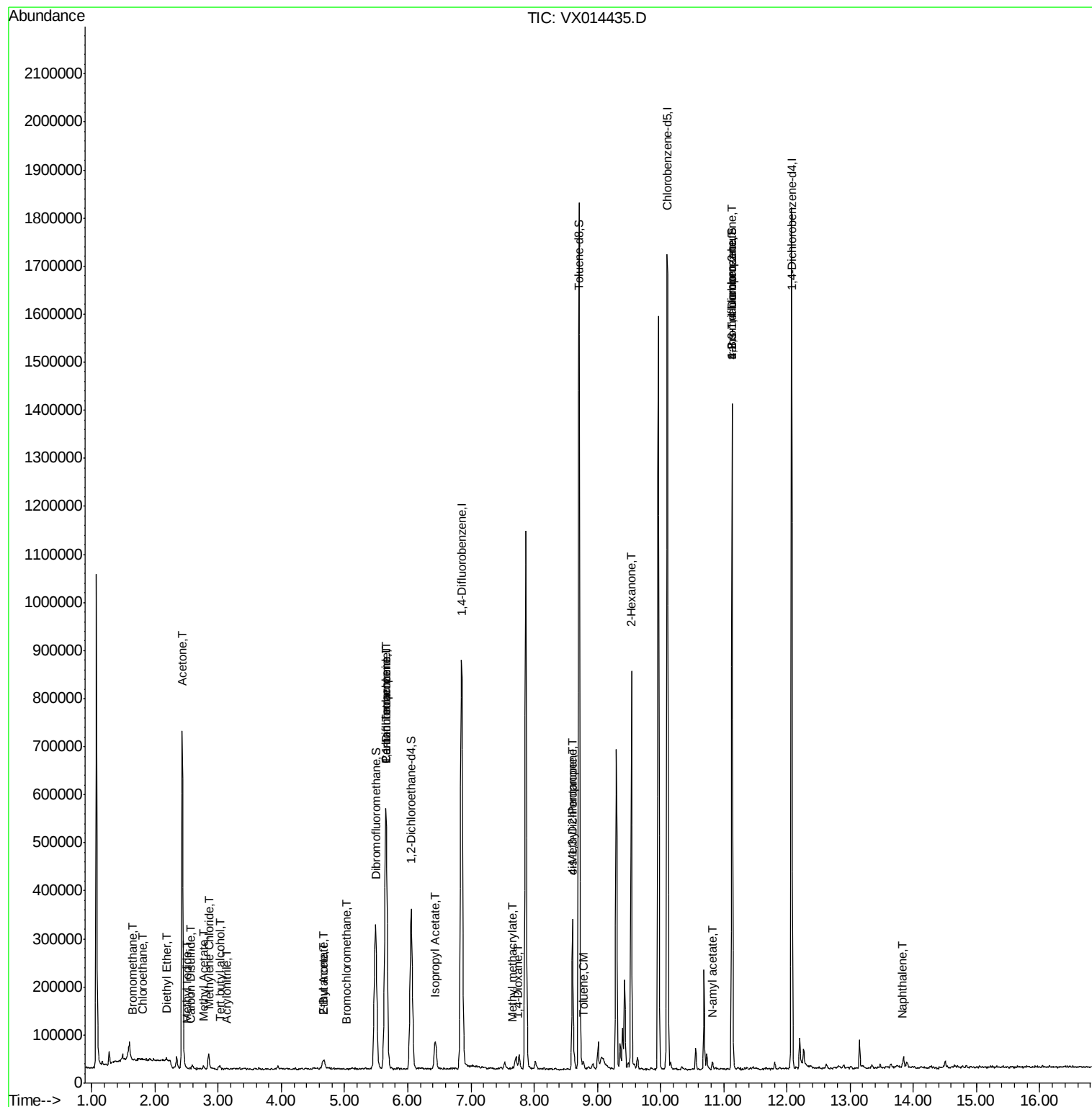
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1074	0.205	ug/l	95
6) Chloroethane	1.80	64	1236	0.272	ug/l	95
8) Diethyl Ether	2.17	74	2025	0.473	ug/l	62
10) Methyl Iodide	2.51	142	856	2.733	ug/l #	66
11) Tert butyl alcohol	3.02	59	5566	3.908	ug/l #	94
15) Acrylonitrile	3.14	53	696	0.209	ug/l #	76
16) Acetone	2.43	43	726856	169.855	ug/l	99
17) Carbon Disulfide	2.56	76	1526	0.847	ug/l #	82
18) Methyl Acetate	2.76	43	4785	0.564	ug/l	98
20) Methylene Chloride	2.85	84	14990	2.224	ug/l	91
25) 2-Butanone	4.67	43	22484	4.262	ug/l #	88
28) Bromochloromethane	5.03	49	288	0.521	ug/l #	9
36) 1,1-Dichloropropene	5.65	75	40410	5.013	ug/l #	45
37) Ethyl Acetate	4.67	43	22484	2.526	ug/l #	72
38) Carbon Tetrachloride	5.65	117	48701	6.631	ug/l #	16
43) Isopropyl Acetate	6.44	43	86515	5.872	ug/l	99
48) Methyl methacrylate	7.67	41	6464	0.896	ug/l #	15
49) 1,4-Dioxane	7.74	88	662	4.509	ug/l #	23
51) 4-Methyl-2-Pentanone	8.61	43	110477	11.940	ug/l #	45
52) Toluene	8.78	92	4073	0.260	ug/l	76
54) cis-1,3-Dichloropropene	8.61	75	50996	5.273	ug/l #	57
59) 2-Hexanone	9.54	43	96933	13.014	ug/l #	51
74) N-amyl acetate	10.82	43	8471	0.680	ug/l #	50
76) 1,2,3-Trichloropropane	11.13	75	176534	21.549	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	176534	60.823	ug/l #	12
95) Naphthalene	13.82	128	6783	0.275	ug/l #	95

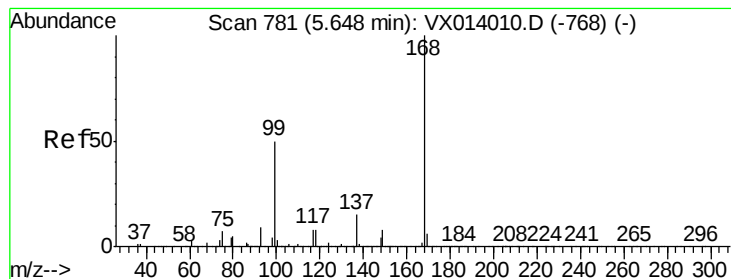
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010620\
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ClientSampleId :

Quant Time: Jan 07 04:42:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014435.D

Acq: 06 Jan 2020 18:15

Instrument :

MSVOA_X

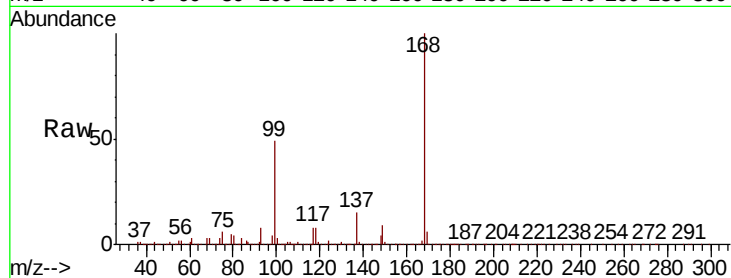
ClientSampled :

Tot Ion:168 Resp: 581587

Ion Ratio Lower Upper

168 100

99 48.7 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

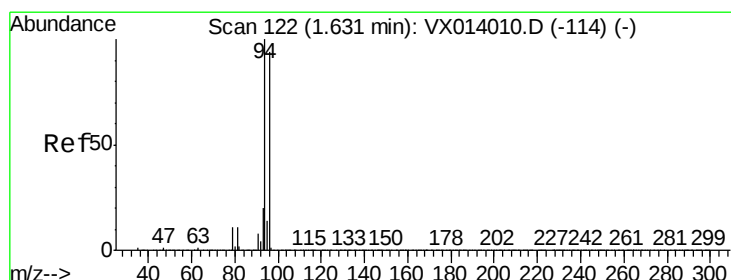
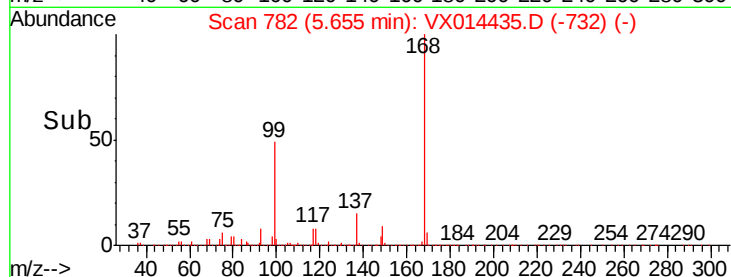
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.205 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014435.D

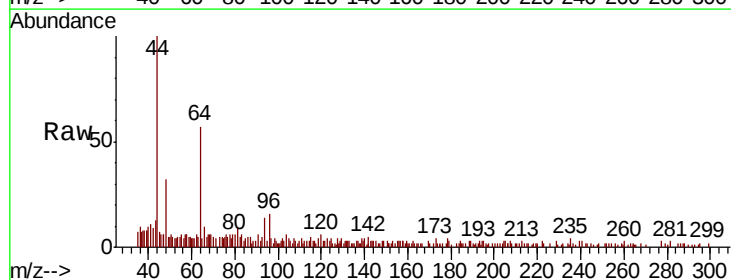
Acq: 06 Jan 2020 18:15

Tgt Ion: 94 Resp: 1074

Ion Ratio Lower Upper

94 100

96 99.0 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

800

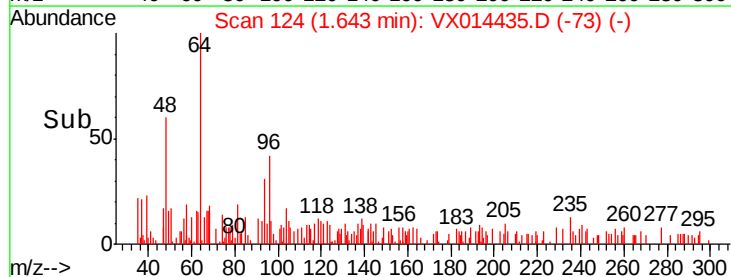
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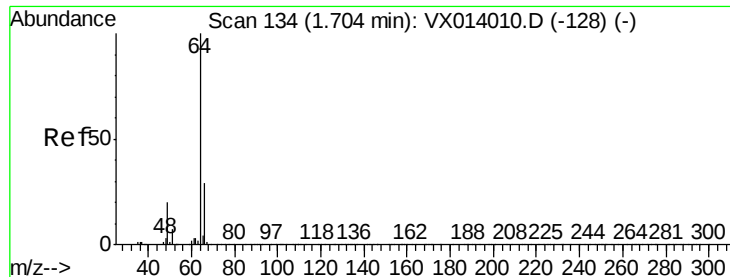
400

200

0

Time-->





#6

Chloroethane

Concen: 0.272 ug/l

RT: 1.80 min Scan# 150

Delta R.T. 0.10 min

Lab File: VX014435.D

Acq: 06 Jan 2020 18:15

Instrument :

MSVOA_X

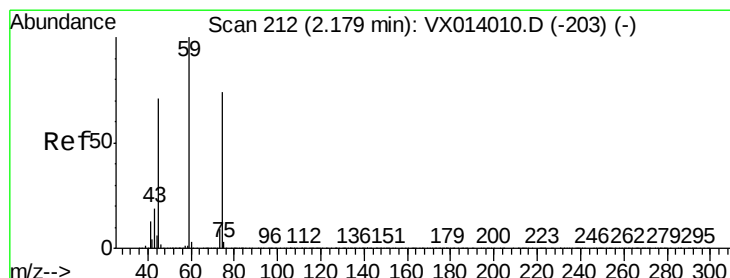
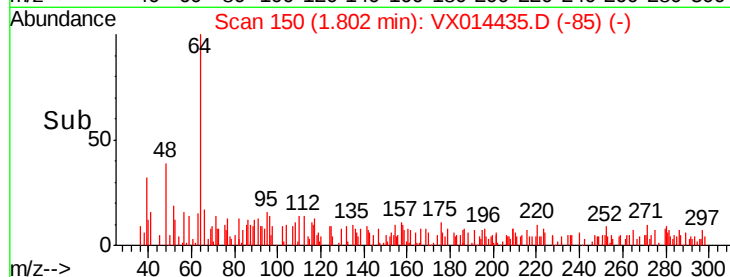
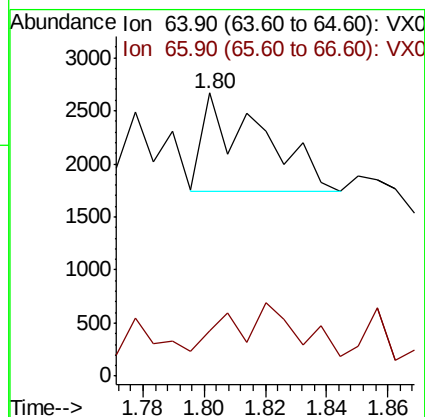
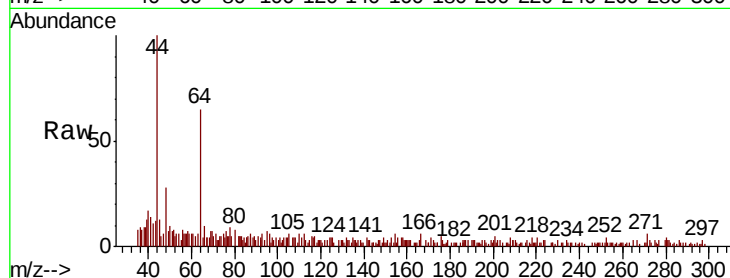
ClientSampleId :

Tot Ion: 64 Resp: 1236

Ion Ratio Lower Upper

64 100

66 26.5 23.4 35.2



#8

Diethyl Ether

Concen: 0.473 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX014435.D

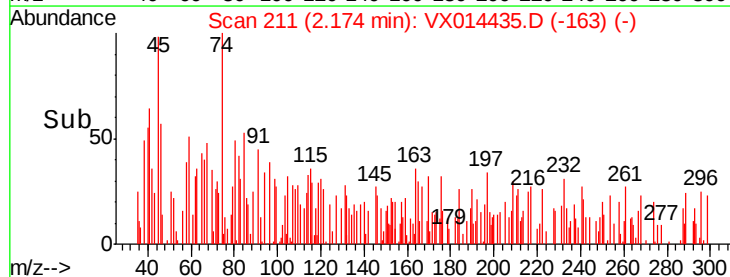
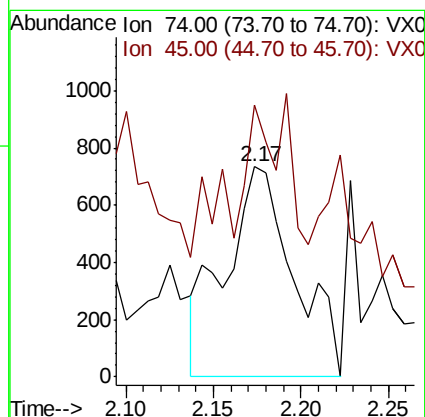
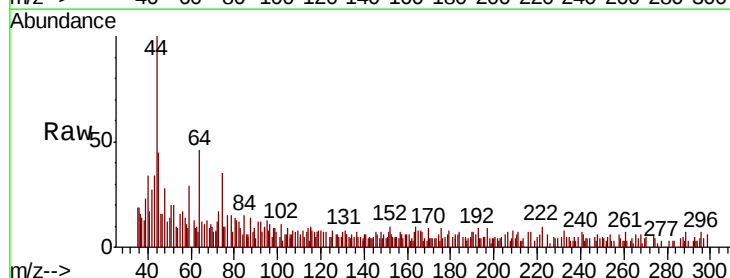
Acq: 06 Jan 2020 18:15

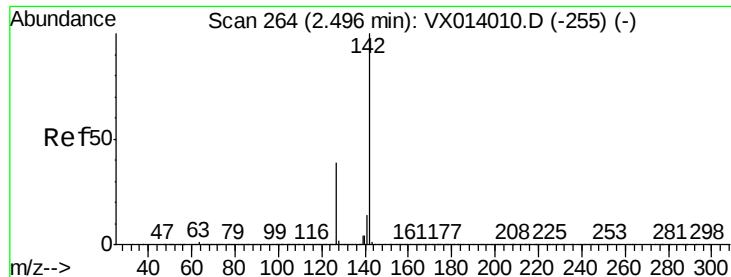
Tgt Ion: 74 Resp: 2025

Ion Ratio Lower Upper

74 100

45 59.1 48.1 144.3

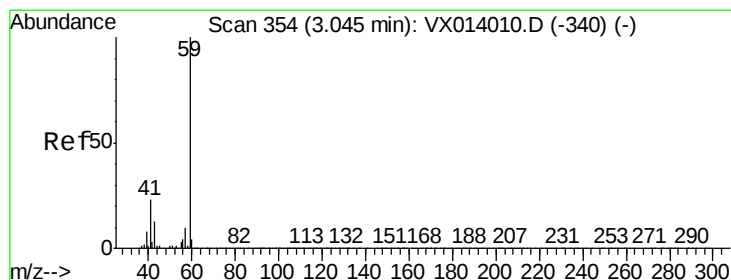
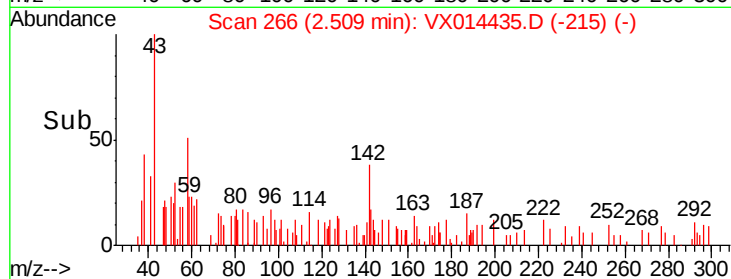
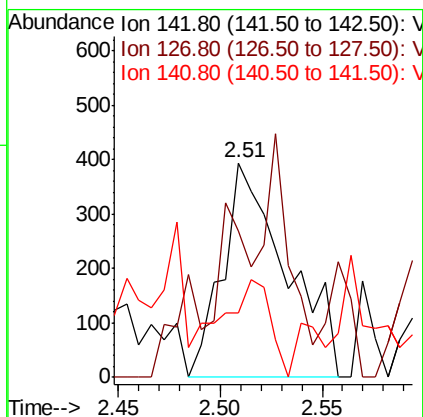
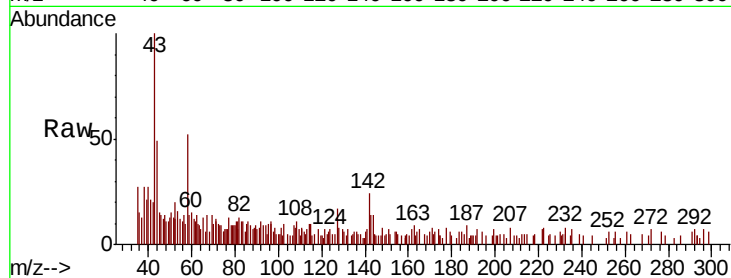




#10
Methvl Iodide
Concen: 2.733 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX014435.D
Acq: 06 Jan 2020 18:15

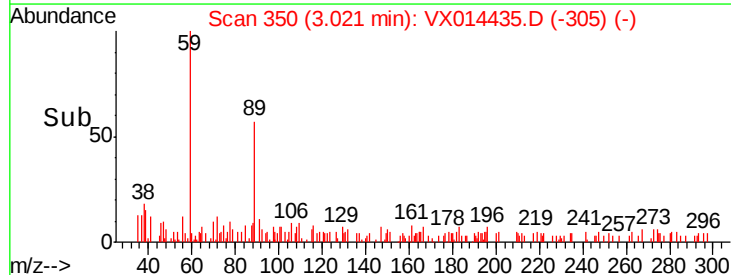
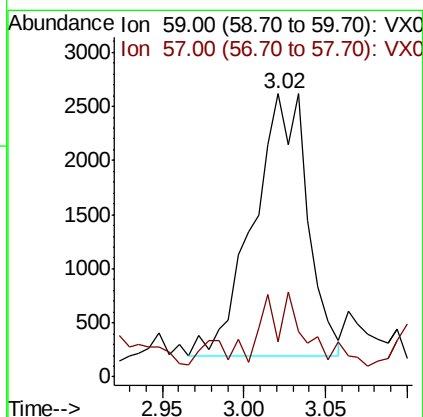
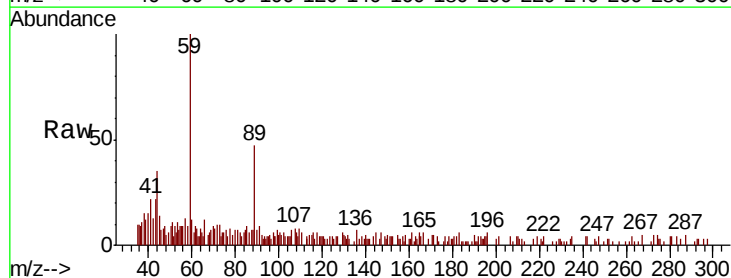
Instrument :
MSVOA_X
ClientSampled :

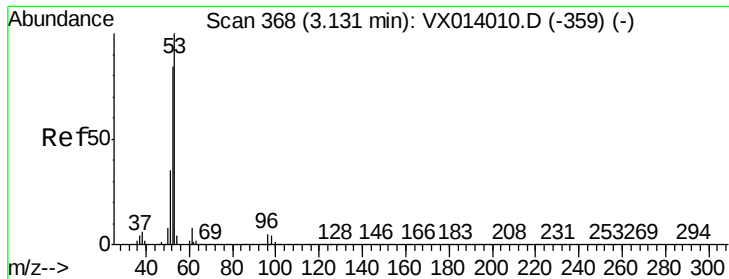
Tot Ion:142 Resp: 856
Ion Ratio Lower Upper
142 100
127 58.3 31.6 47.4#
141 32.1 11.6 17.4#



#11
Tert butyl alcohol
Concen: 3.908 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX014435.D
Acq: 06 Jan 2020 18:15

Tgt Ion: 59 Resp: 5566
Ion Ratio Lower Upper
59 100
57 8.2 8.4 12.6#

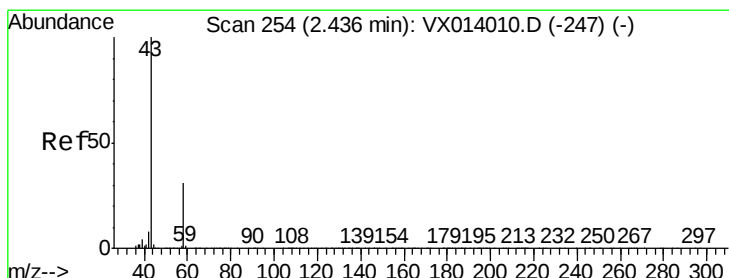
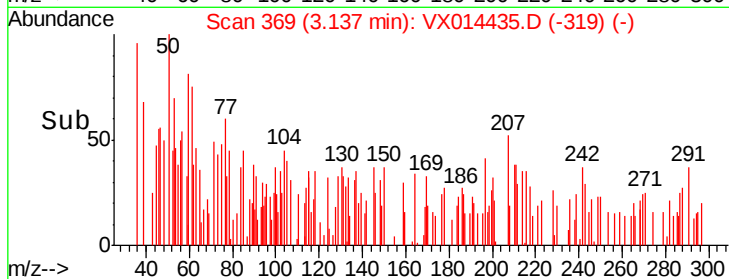
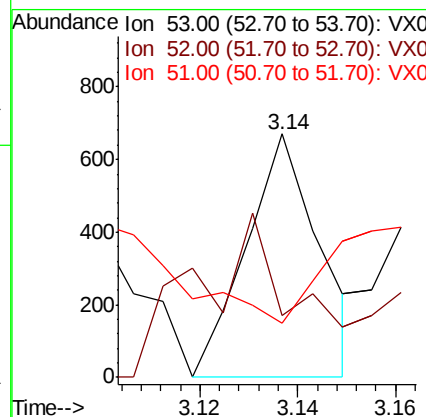
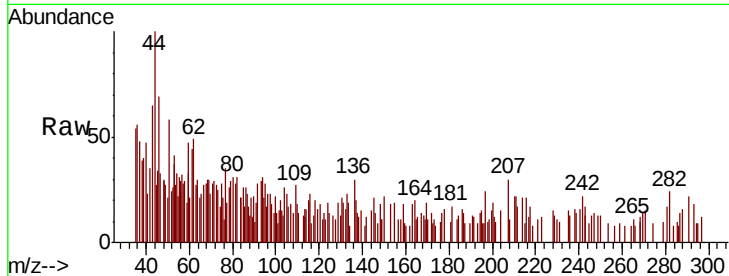




#15
 Acrylonitrile
 Concen: 0.209 ug/l
 RT: 3.14 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VX014435.D
 Acq: 06 Jan 2020 18:15

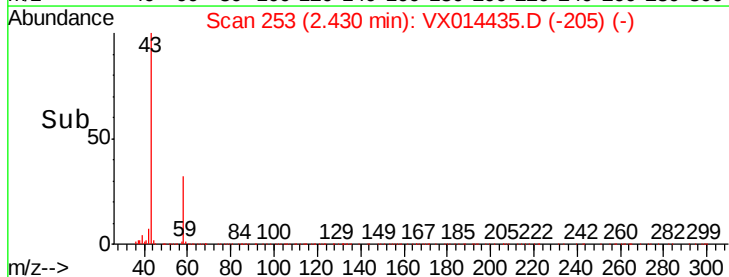
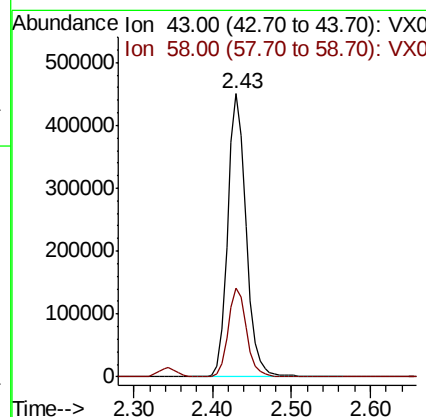
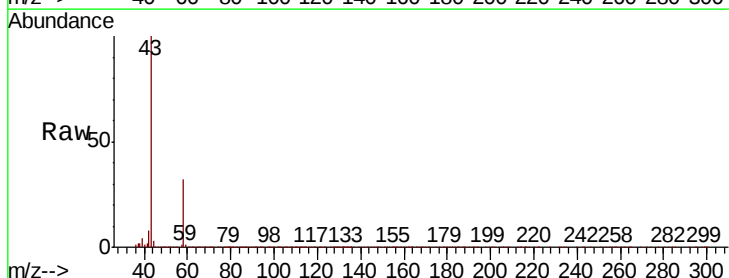
Instrument :
 MSVOA_X
 ClientSampled :

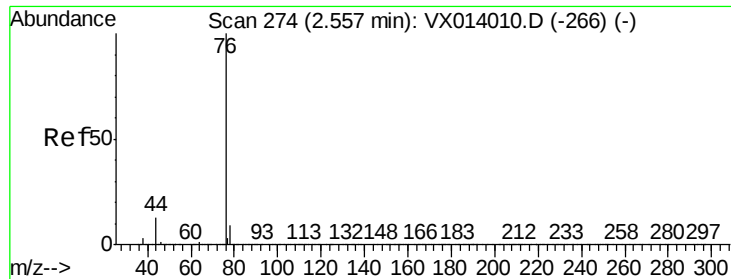
Tot Ion: 53 Resp: 696
 Ion Ratio Lower Upper
 53 100
 52 90.4 66.5 99.7
 51 0.0 28.1 42.1#



#16
 Acetone
 Concen: 169.855 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX014435.D
 Acq: 06 Jan 2020 18:15

Tgt Ion: 43 Resp: 726856
 Ion Ratio Lower Upper
 43 100
 58 31.5 24.9 37.3





#17

Carbon Disulfide

Concen: 0.847 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014435.D

Acq: 06 Jan 2020 18:15

Instrument :

MSVOA_X

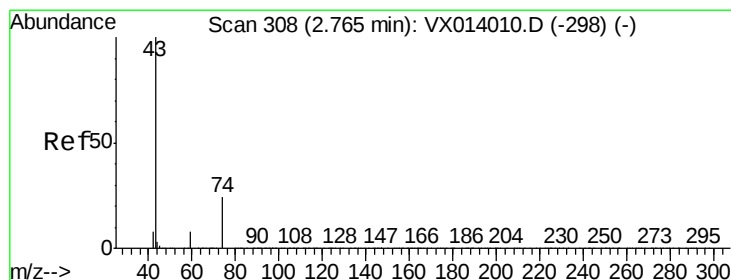
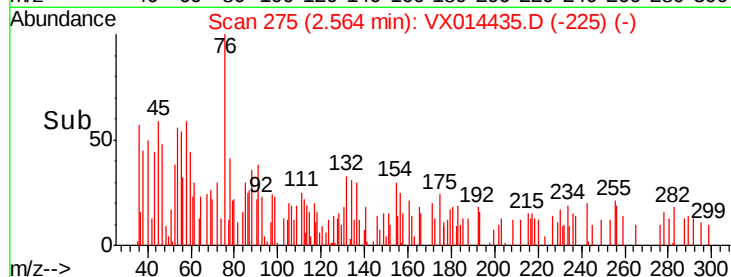
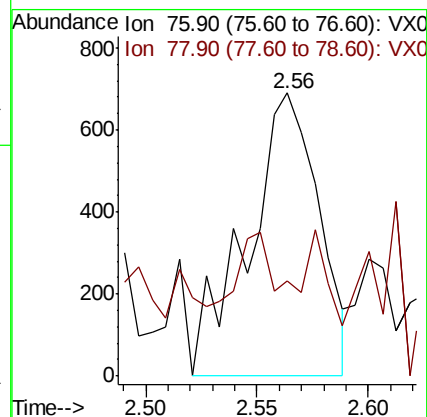
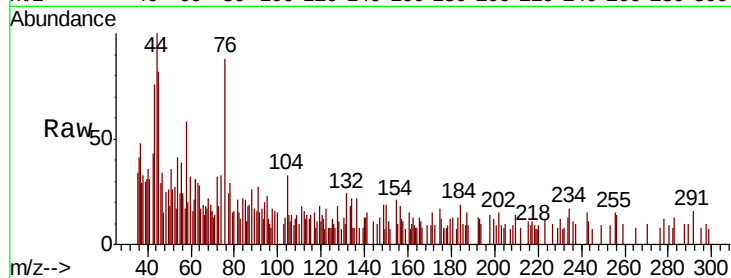
ClientSampled :

Tot Ion: 76 Resp: 1526

Ion Ratio Lower Upper

76 100

78 15.5 7.2 10.8#



#18

Methyl Acetate

Concen: 0.564 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX014435.D

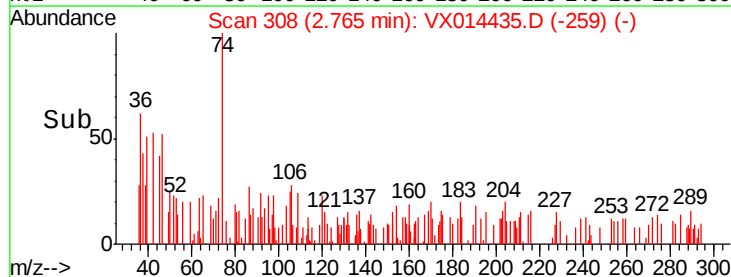
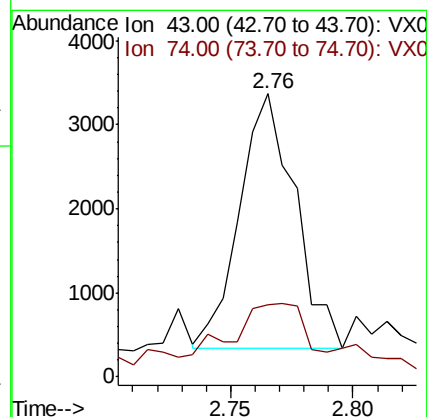
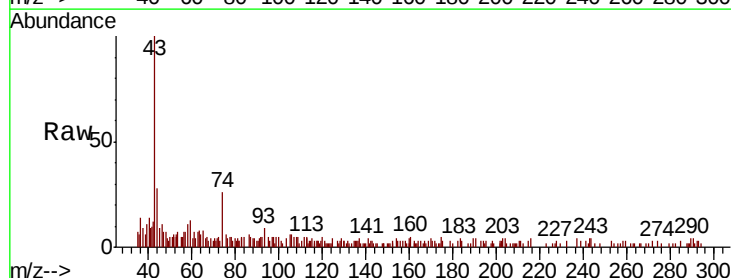
Acq: 06 Jan 2020 18:15

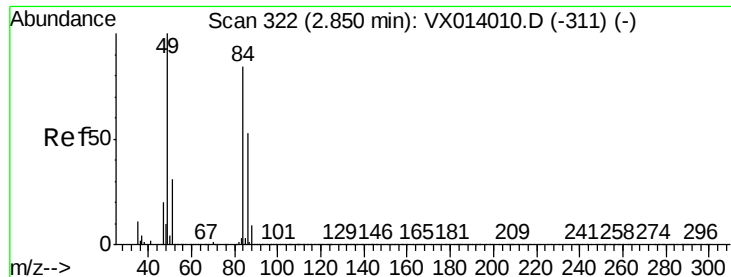
Tgt Ion: 43 Resp: 4785

Ion Ratio Lower Upper

43 100

74 25.3 19.5 29.3

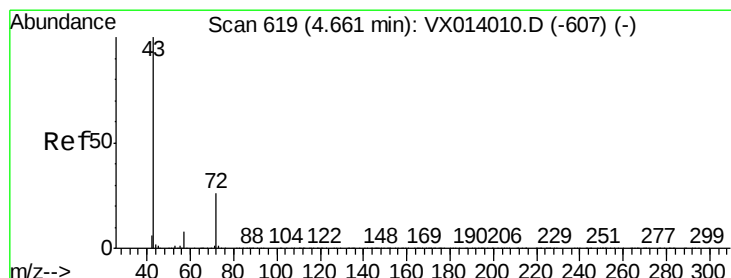
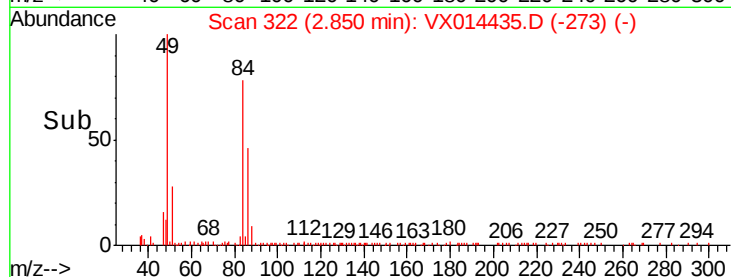
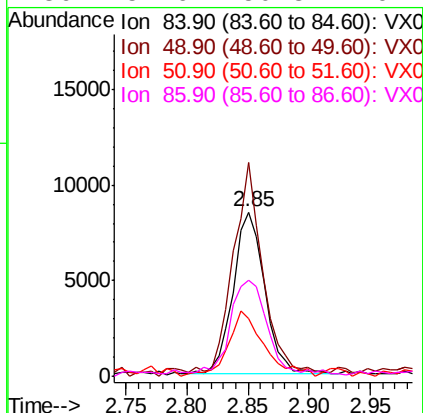
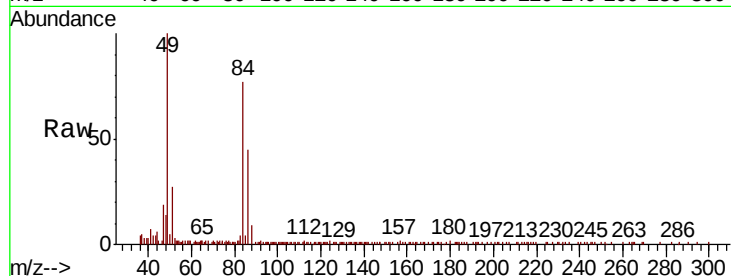




#20
Methvlene Chloride
Concen: 2.224 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014435.D
Acq: 06 Jan 2020 18:15

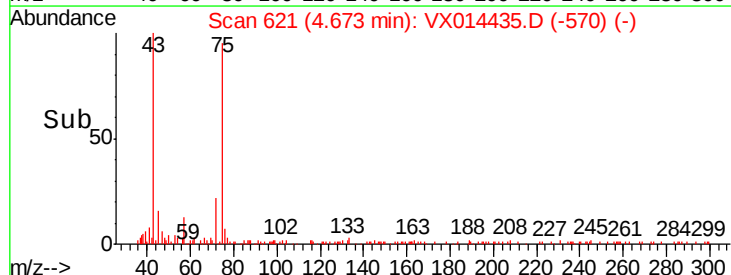
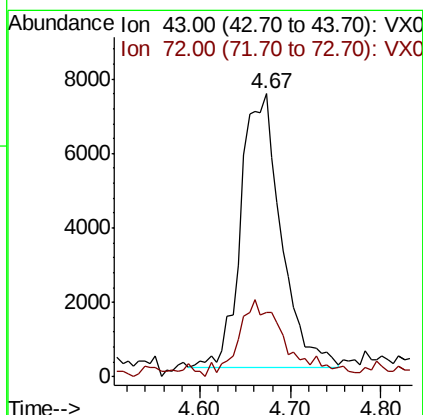
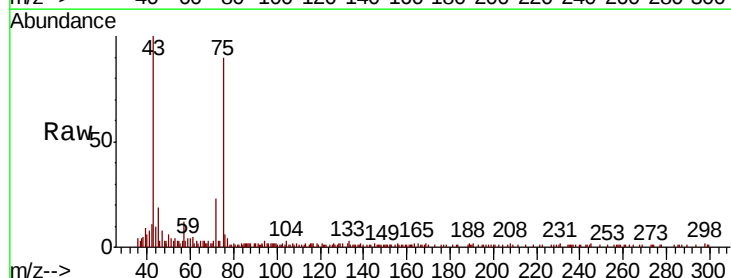
Instrument :
MSVOA_X
ClientSampleId :

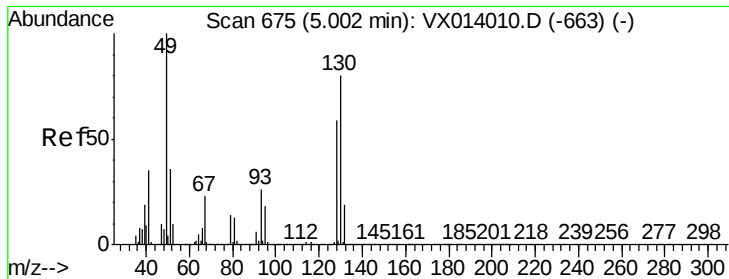
Tot Ion:	84	Resp:	14990
Ion	Ratio	Lower	Upper
84	100		
49	129.8	95.8	143.6
51	31.9	29.8	44.8
86	57.6	50.8	76.2



#25
2-Butanone
Concen: 4.262 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.01 min
Lab File: VX014435.D
Acq: 06 Jan 2020 18:15

Tgt Ion:	43	Resp:	22484
Ion	Ratio	Lower	Upper
43	100		
72	20.2	21.0	31.4#

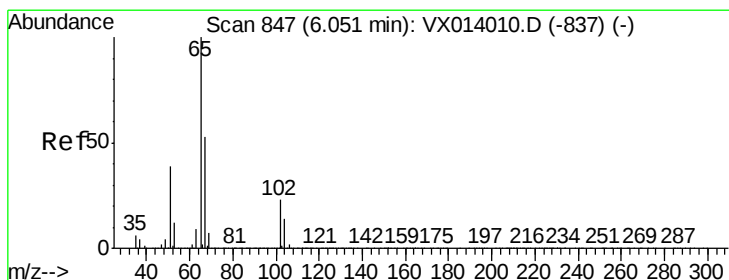
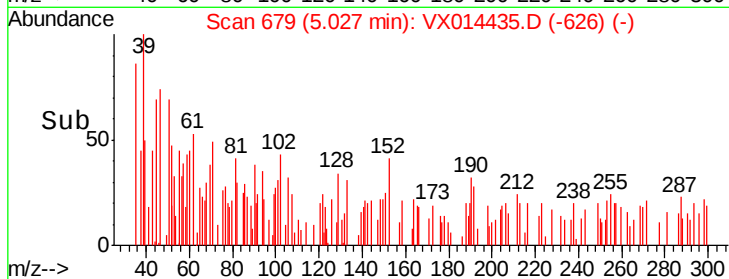
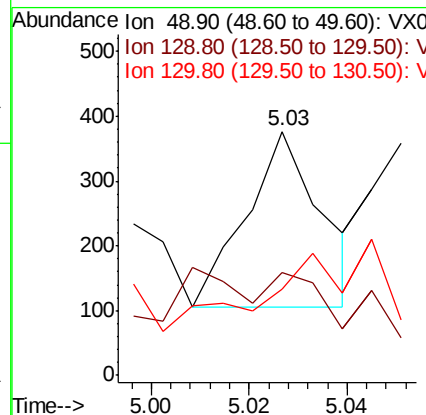
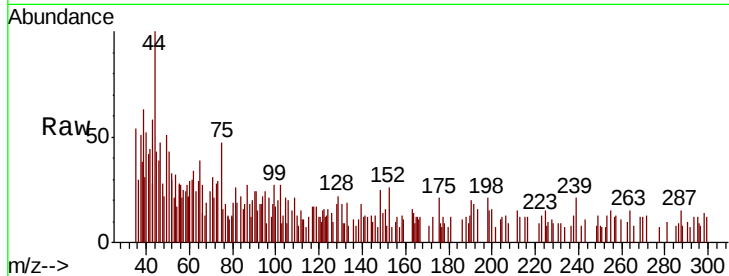




#28
Bromochloromethane
Concen: 0.521 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.02 min
Lab File: VX014435.D
Acq: 06 Jan 2020 18:15

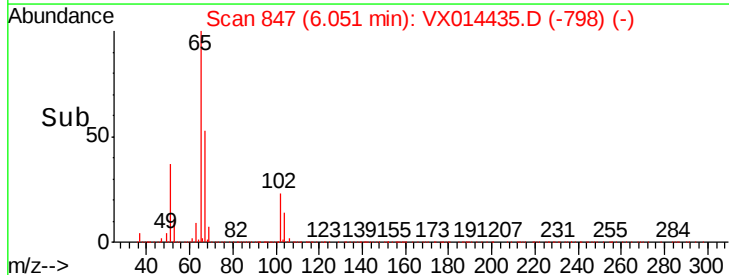
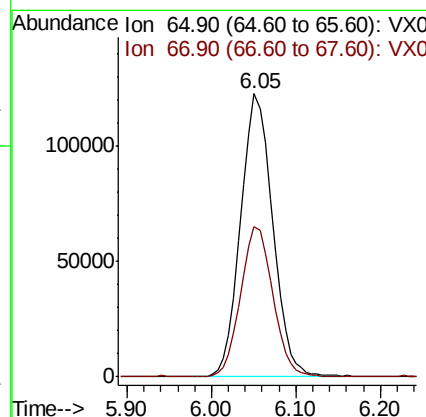
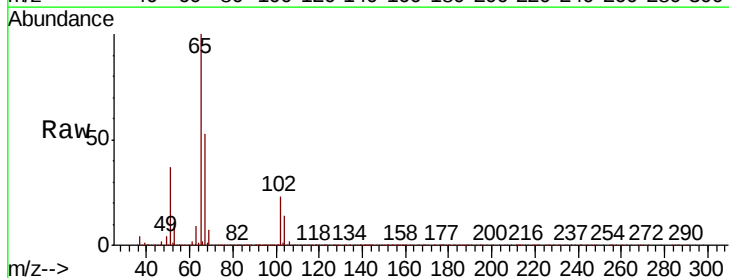
Instrument :
MSVOA_X
ClientSampled :

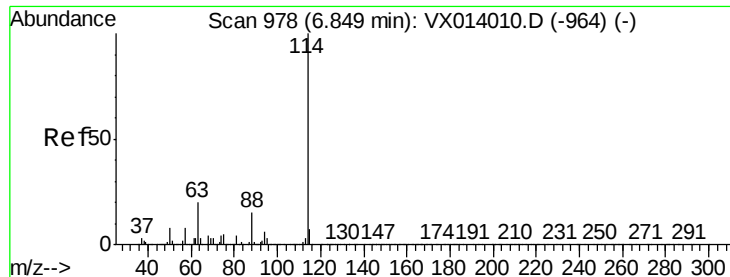
Tot Ion: 49 Resp: 288
Ion Ratio Lower Upper
49 100
129 29.5 0.0 5.0#
130 0.0 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 47.751 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014435.D
Acq: 06 Jan 2020 18:15

Tgt Ion: 65 Resp: 314753
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014435.D

Acq: 06 Jan 2020 18:15

Instrument :

MSVOA_X

ClientSampleId :

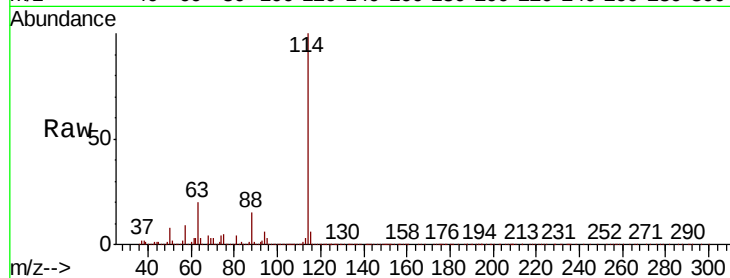
Tot Ion:114 Resp: 878606

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

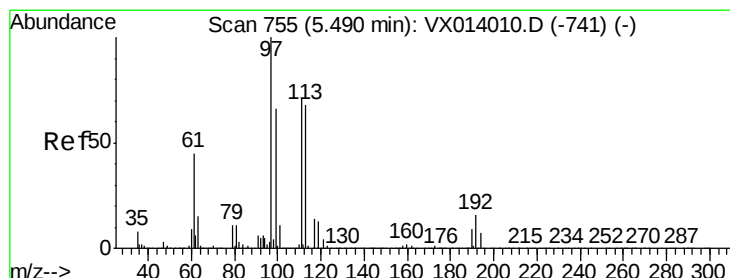
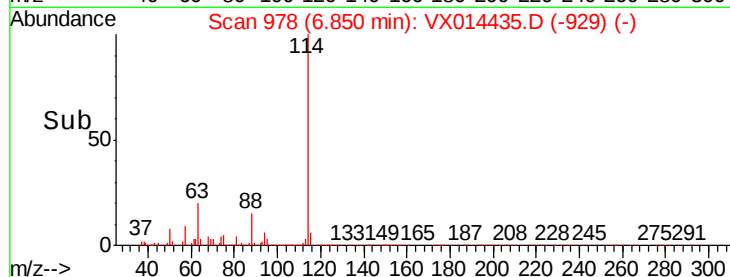
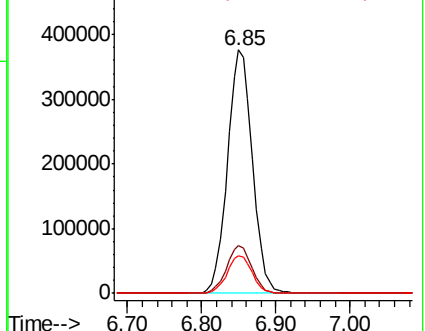
88 15.2 0.0 30.4



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: 49.036 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014435.D

Acq: 06 Jan 2020 18:15

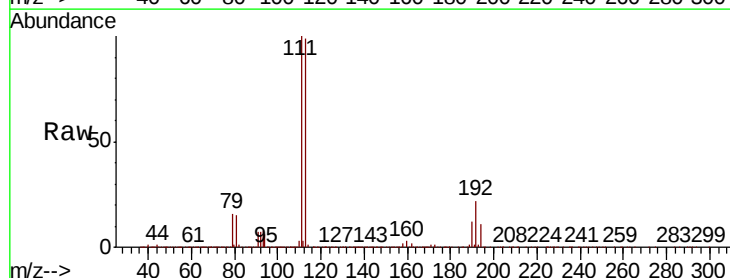
Tgt Ion:113 Resp: 261898

Ion Ratio Lower Upper

113 100

111 102.9 82.0 123.0

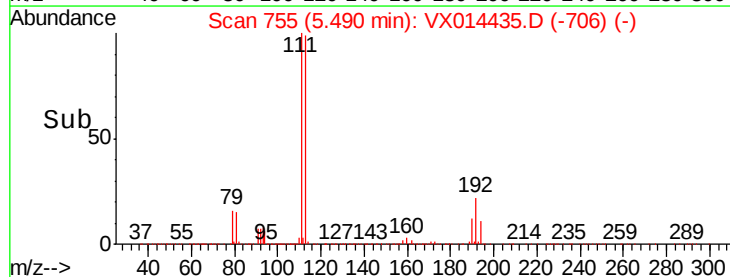
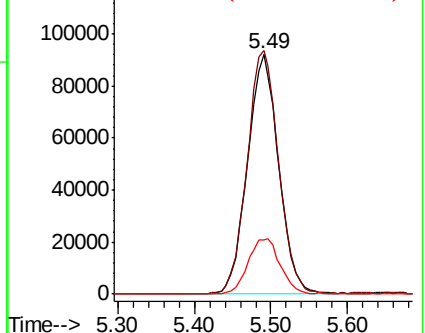
192 23.8 19.3 28.9

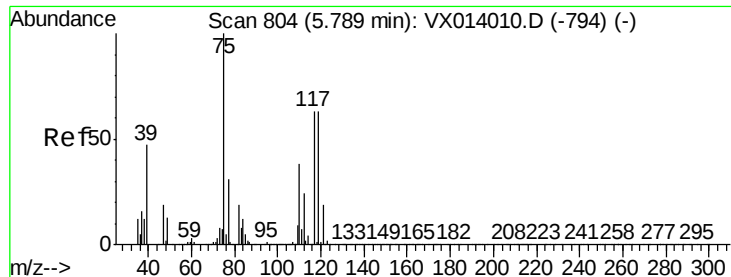


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.013 ug/l

RT: 5.65 min Scan# 781

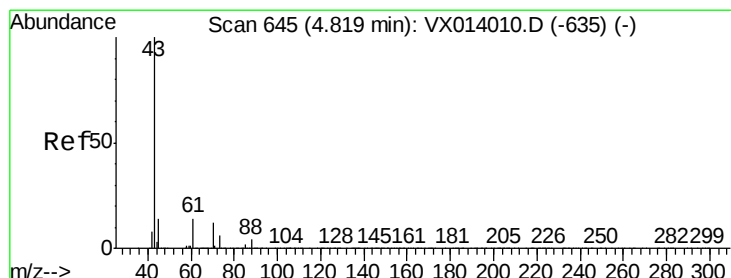
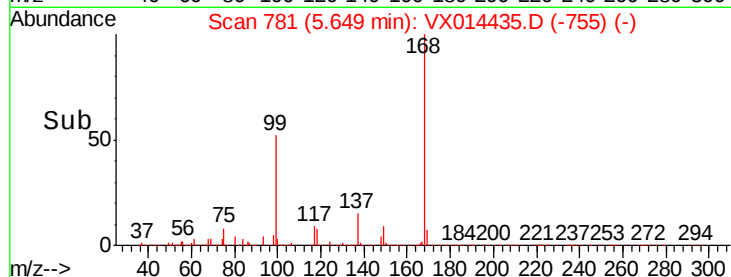
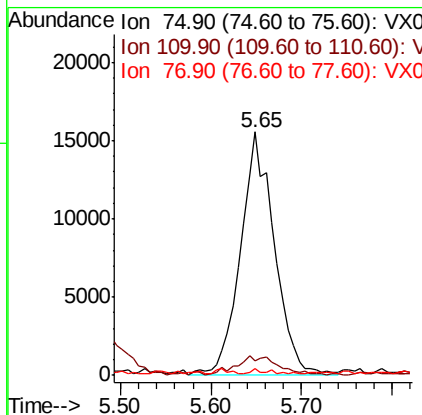
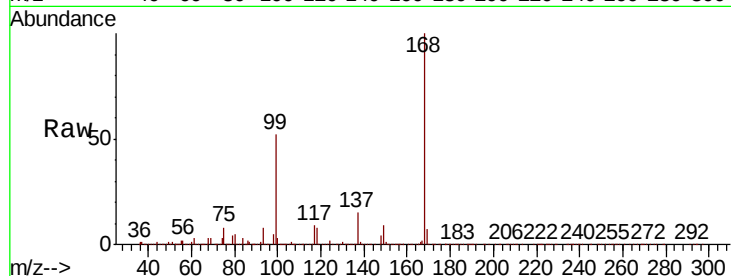
Delta R.T. -0.14 min

Lab File: VX014435.D

Acq: 06 Jan 2020 18:15

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	75	Resp:	40410
Ion	Ratio	Lower	Upper
75	100		
110	4.8	18.3	54.9#
77	0.5	24.8	37.2#



#37

Ethyl Acetate

Concen: 2.526 ug/l

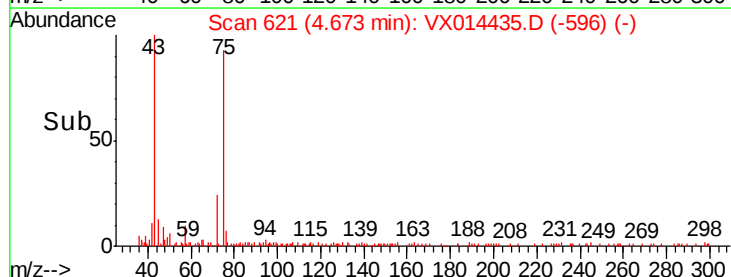
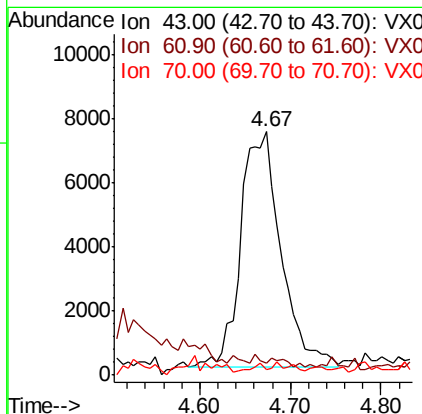
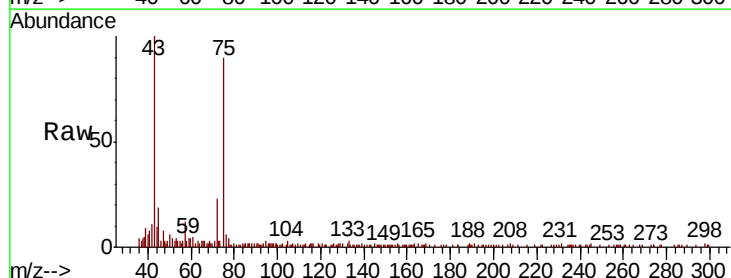
RT: 4.67 min Scan# 621

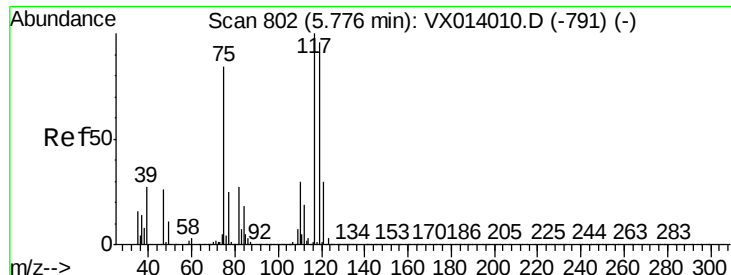
Delta R.T. -0.15 min

Lab File: VX014435.D

Acq: 06 Jan 2020 18:15

Tgt Ion:	43	Resp:	22484
Ion	Ratio	Lower	Upper
43	100		
61	1.7	10.8	16.2#
70	1.2	8.6	12.8#





#38

Carbon Tetrachloride

Concen: 6.631 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014435.D

Acq: 06 Jan 2020 18:15

Instrument :

MSVOA_X

ClientSampleId :

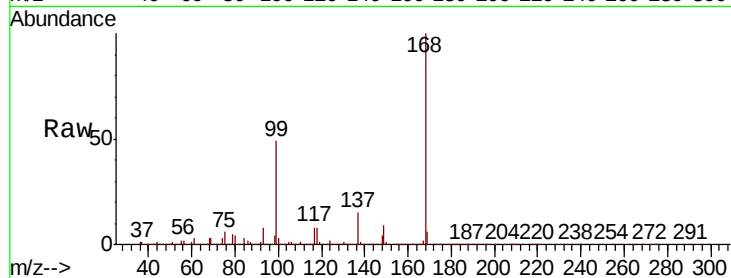
Tot Ion:117 Resp: 48701

Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.4#

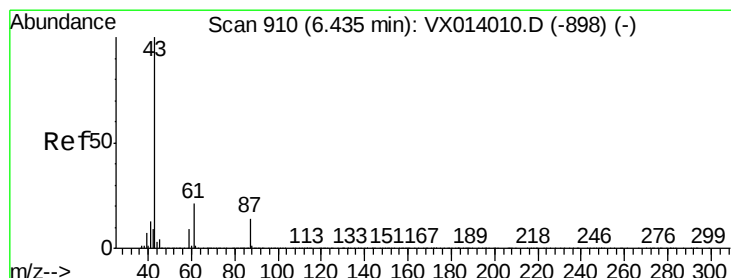
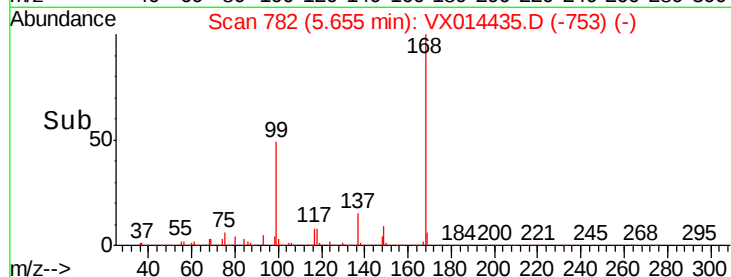
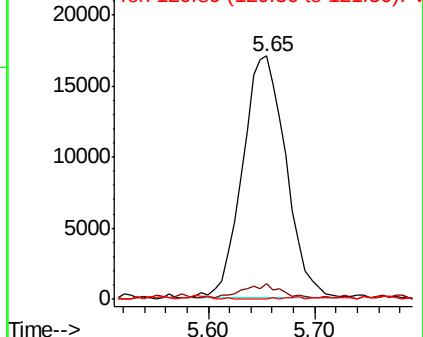
121 0.0 23.6 35.4#



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



#43

Isopropyl Acetate

Concen: 5.872 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX014435.D

Acq: 06 Jan 2020 18:15

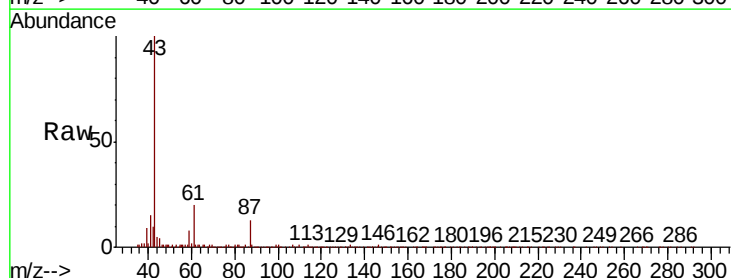
Tgt Ion: 43 Resp: 86515

Ion Ratio Lower Upper

43 100

61 20.8 16.4 24.6

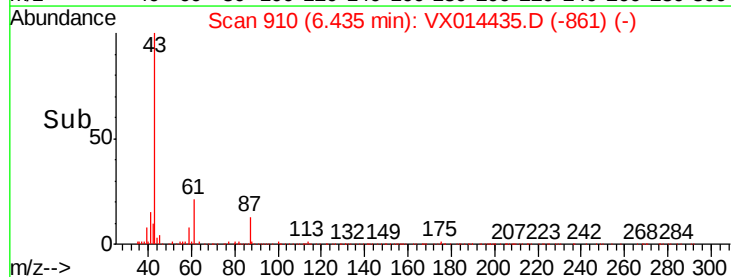
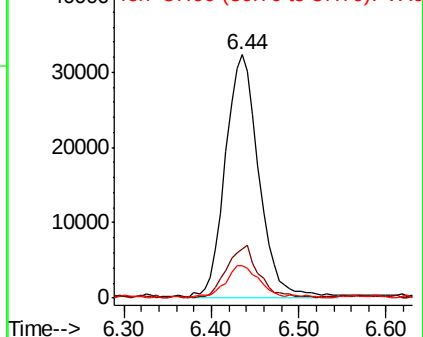
87 12.8 10.7 16.1

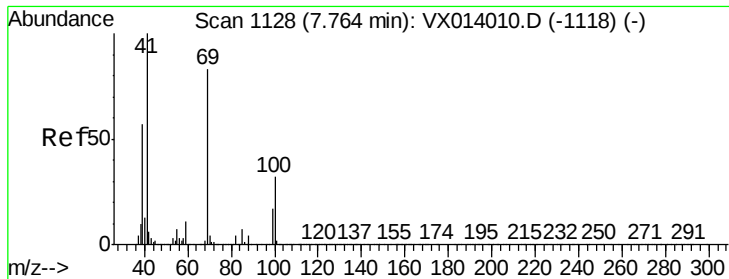


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

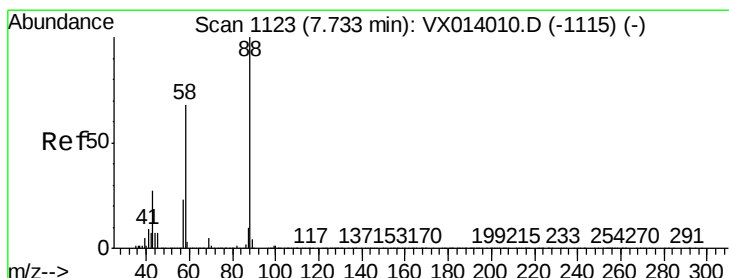
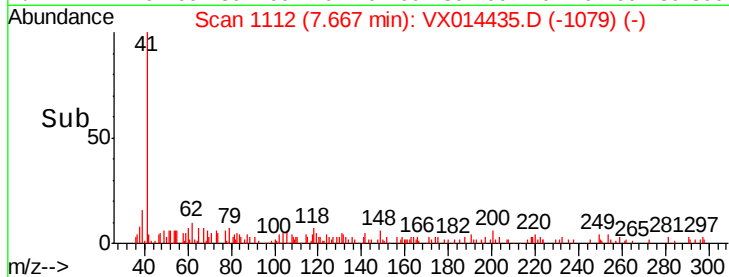
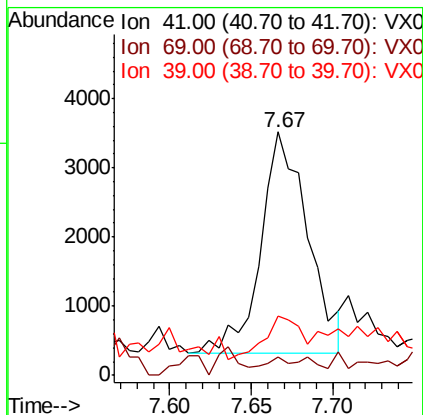
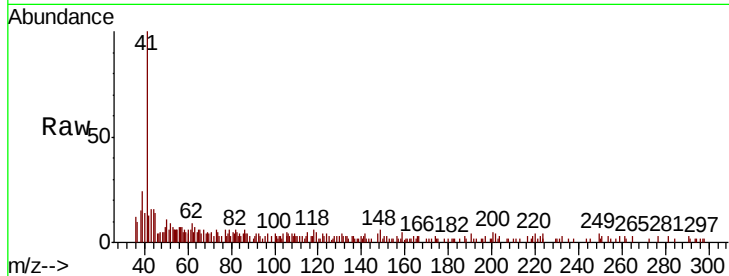




#48
Methyl methacrylate
Concen: 0.896 ug/l
RT: 7.67 min Scan# 1112
Delta R.T. -0.10 min
Lab File: VX014435.D
Acq: 06 Jan 2020 18:15

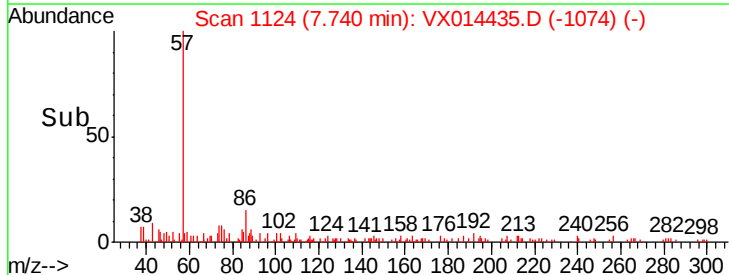
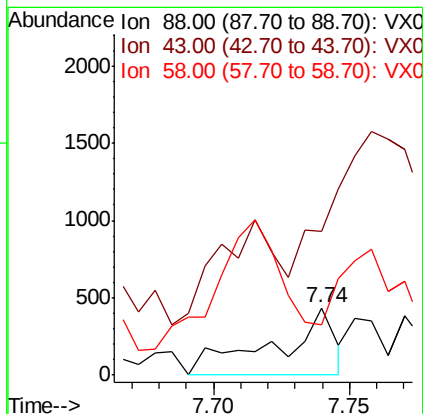
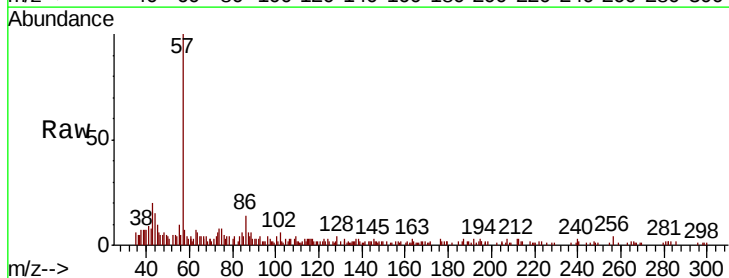
Instrument :
MSVOA_X
ClientSampleId :

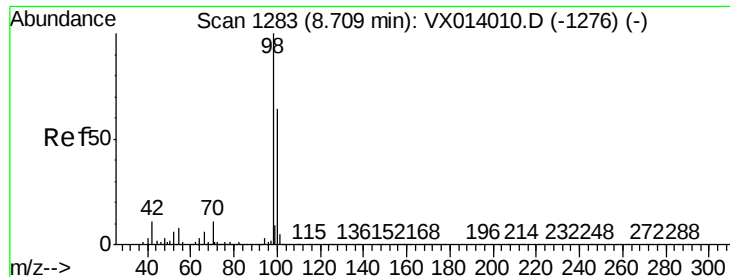
Tot Ion	Ratio	Lower	Upper
41	100		
69	1.3	65.8	98.6#
39	0.0	44.6	67.0#



#49
1,4-Dioxane
Concen: 4.509 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX014435.D
Acq: 06 Jan 2020 18:15

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.5	39.7#
58	0.0	56.8	85.2#





#50

Toluene-d8

Concen: 50.163 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014435.D

Acq: 06 Jan 2020 18:15

Instrument :

MSVOA_X

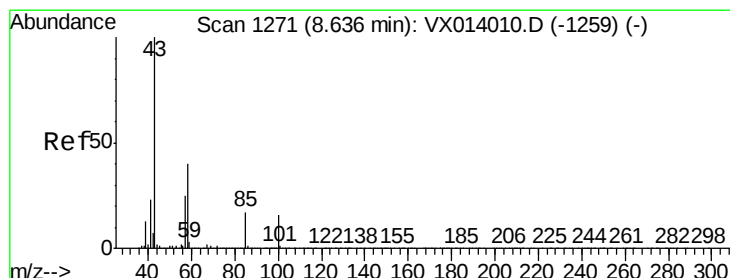
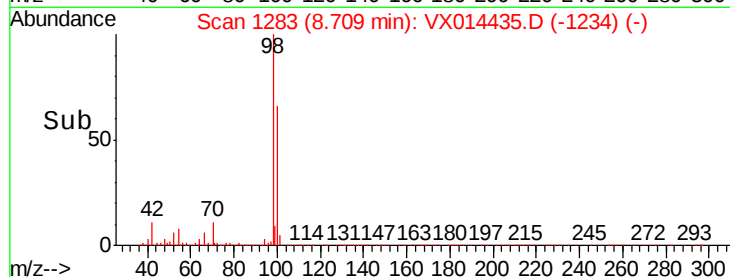
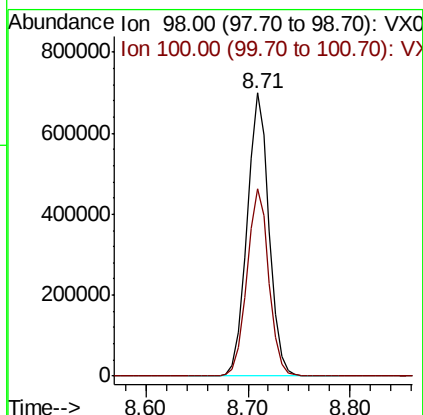
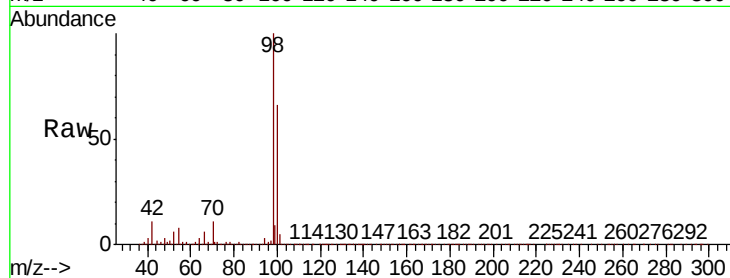
ClientSampleId :

Tot Ion: 98 Resp: 1043064

Ion Ratio Lower Upper

98 100

100 66.1 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 11.940 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX014435.D

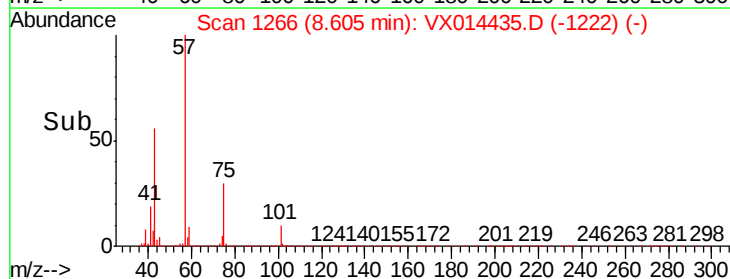
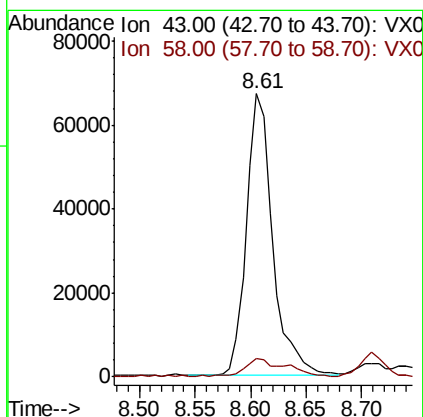
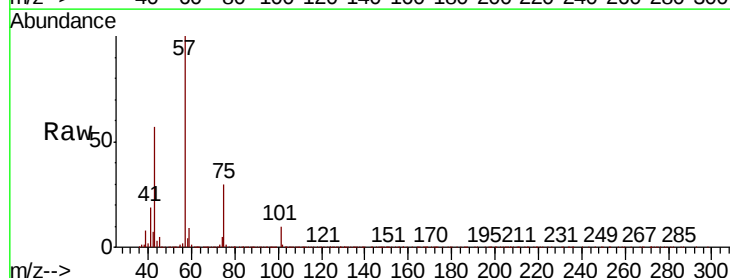
Acq: 06 Jan 2020 18:15

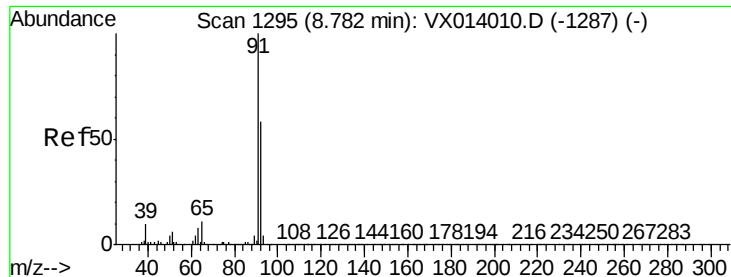
Tgt Ion: 43 Resp: 110477

Ion Ratio Lower Upper

43 100

58 6.0 32.2 48.2#





#52

Toluene

Concen: 0.260 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014435.D

Acq: 06 Jan 2020 18:15

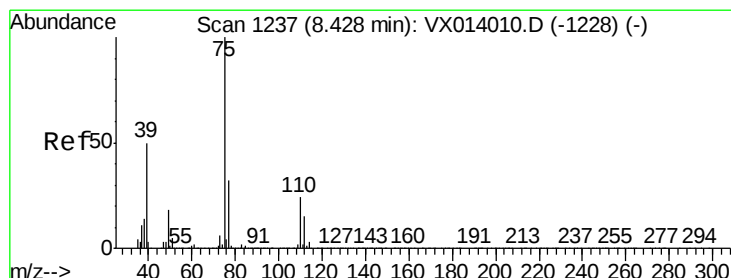
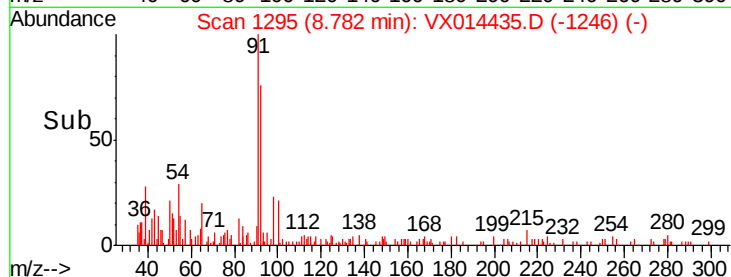
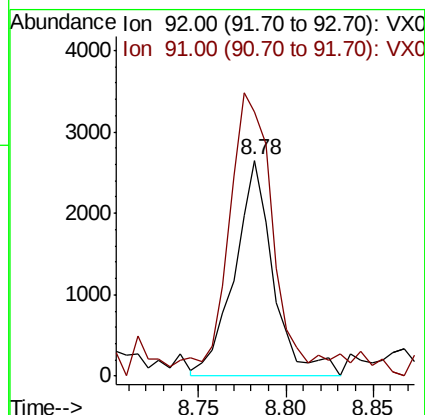
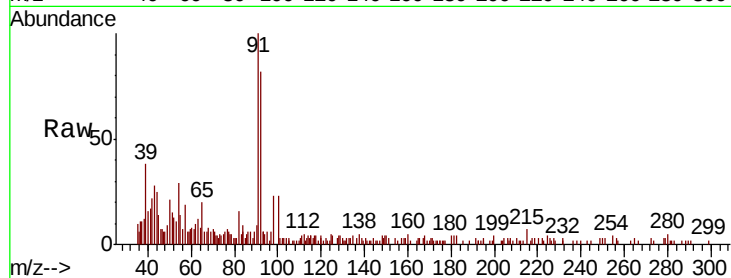
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 92 Resp: 4073

Ion Ratio Lower Upper

92 100

91 137.0 136.2 204.4



#54

cis-1,3-Dichloropropene

Concen: 5.273 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. 0.18 min

Lab File: VX014435.D

Acq: 06 Jan 2020 18:15

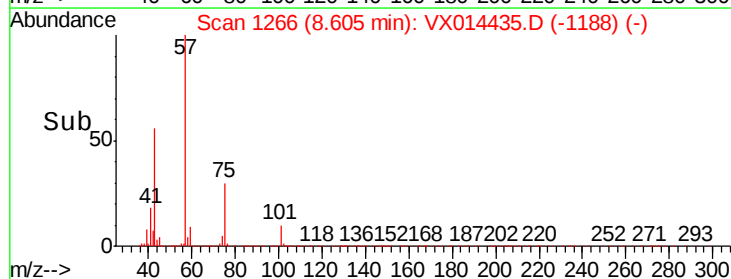
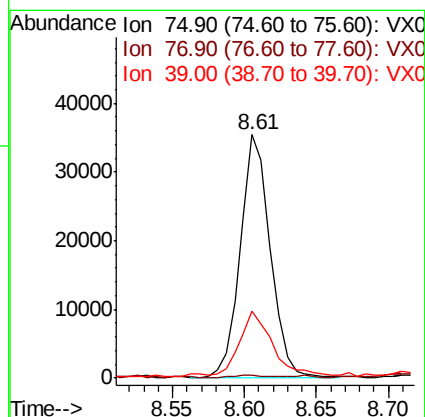
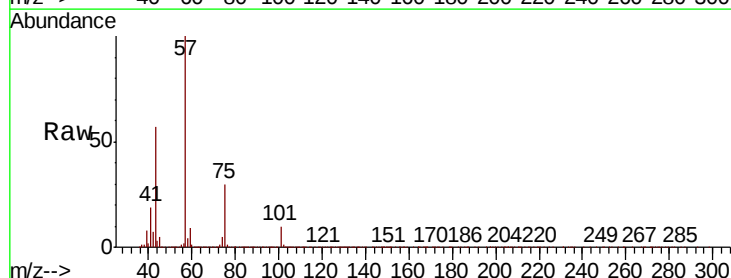
Tgt Ion: 75 Resp: 50996

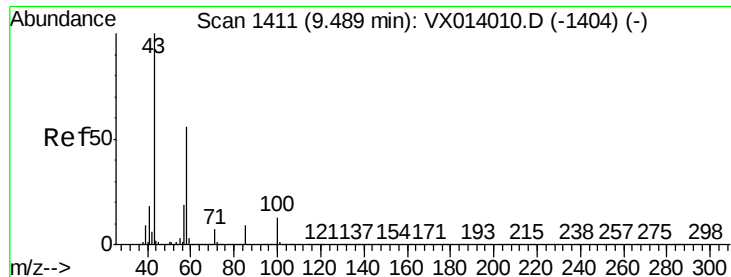
Ion Ratio Lower Upper

75 100

77 0.4 25.3 37.9#

39 26.5 39.9 59.9#

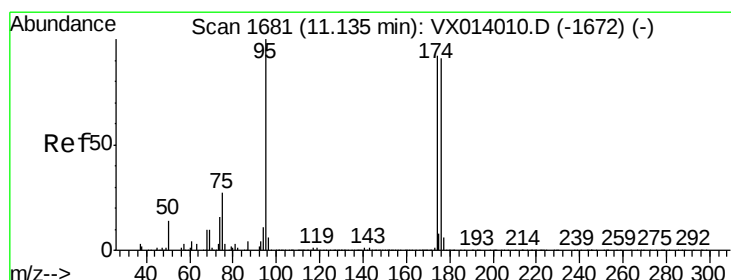
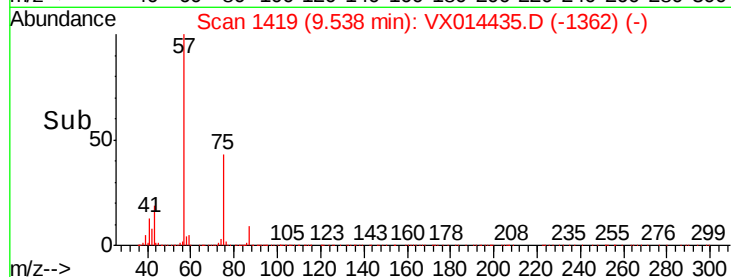
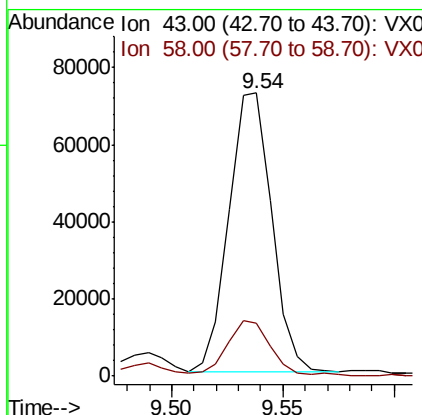
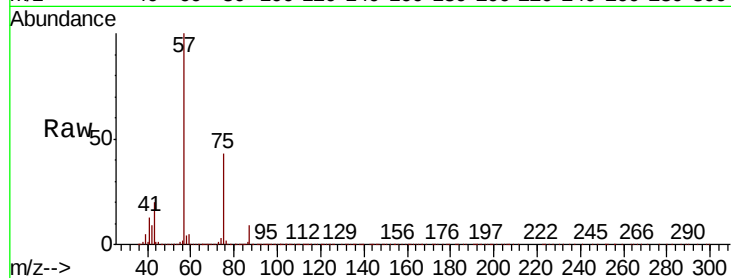




#59
2-Hexanone
Concen: 13.014 ug/l
RT: 9.54 min Scan# 1419
Delta R.T. 0.05 min
Lab File: VX014435.D
Acq: 06 Jan 2020 18:15

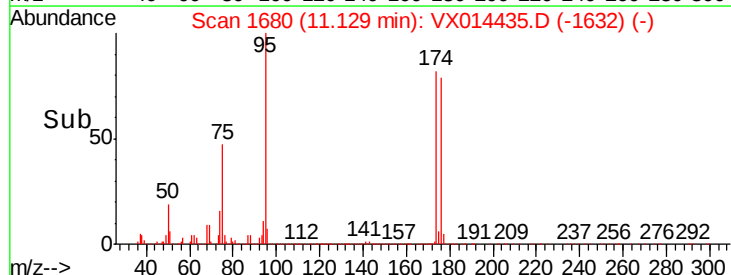
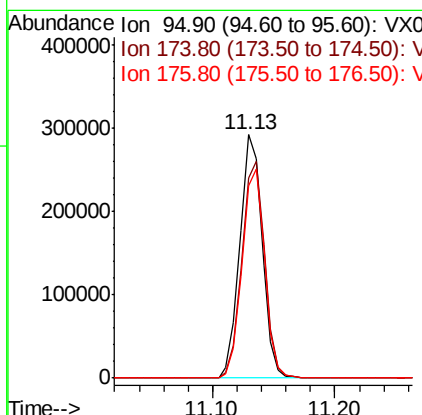
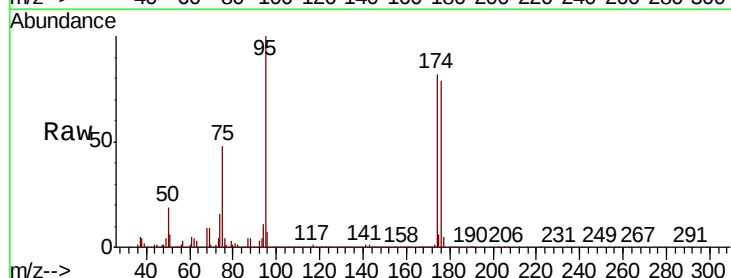
Instrument :
MSVOA_X
ClientSampleId :

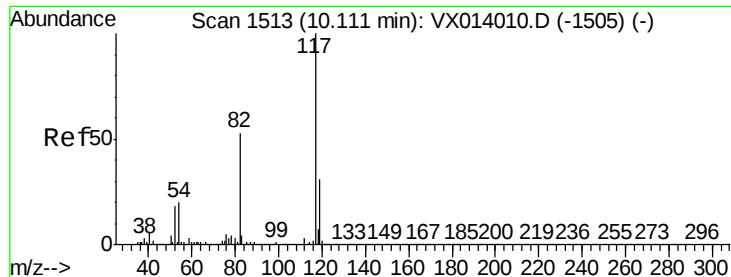
Tot Ion: 43 Resp: 96933
Ion Ratio Lower Upper
43 100
58 19.9 28.0 84.0#



#62
4-Bromofluorobenzene
Concen: 48.474 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014435.D
Acq: 06 Jan 2020 18:15

Tgt Ion: 95 Resp: 368449
Ion Ratio Lower Upper
95 100
174 90.7 0.0 175.8
176 87.1 0.0 173.0

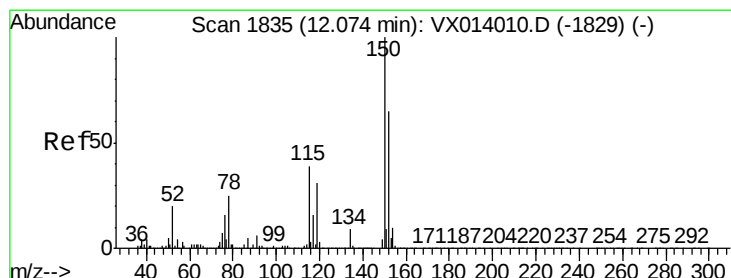
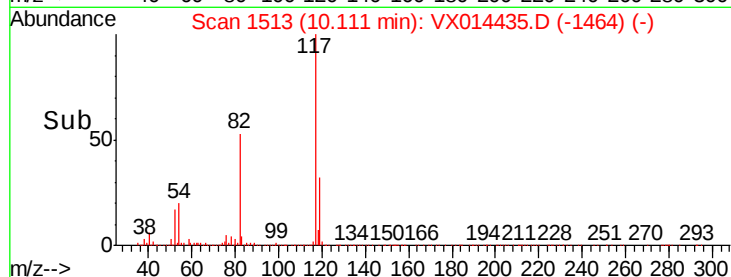
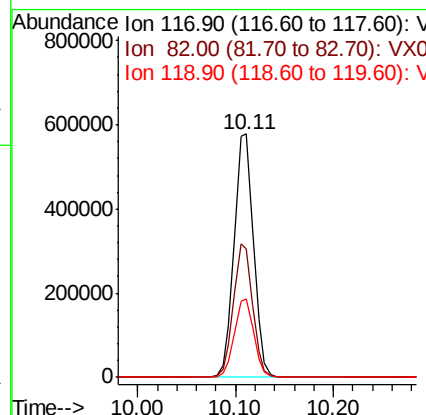
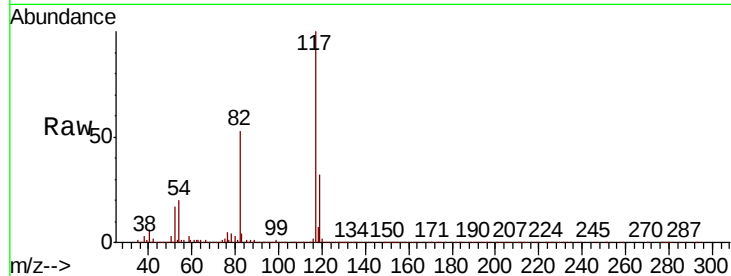




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014435.D
Acq: 06 Jan 2020 18:15

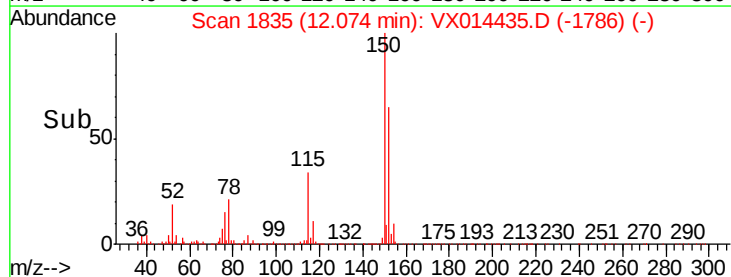
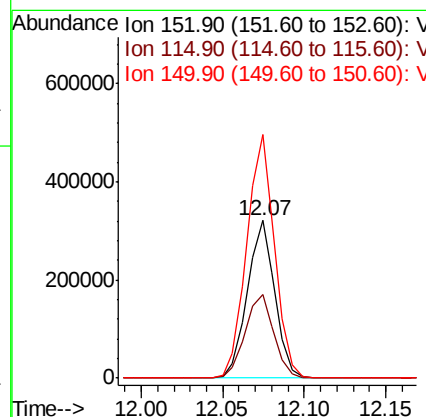
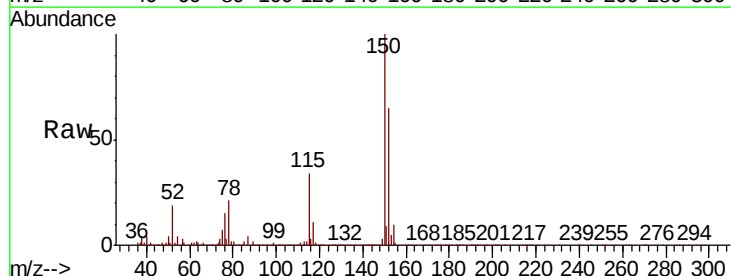
Instrument :
MSVOA_X
ClientSampleId :

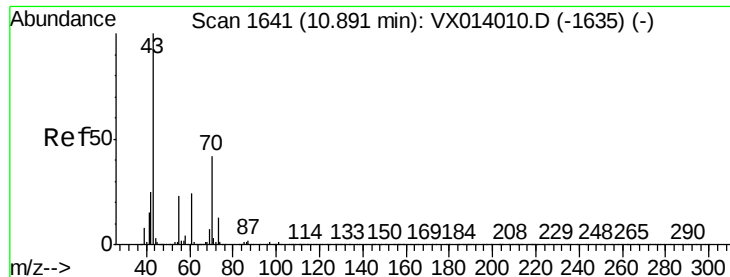
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.2	63.4
119	32.4	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014435.D
Acq: 06 Jan 2020 18:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	38.3	114.9
150	156.4	0.0	345.4





#74

N-amvl acetate

Concen: 0.680 ug/l

RT: 10.82 min Scan# 1629

Delta R.T. -0.07 min

Lab File: VX014435.D

Acq: 06 Jan 2020 18:15

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 8471

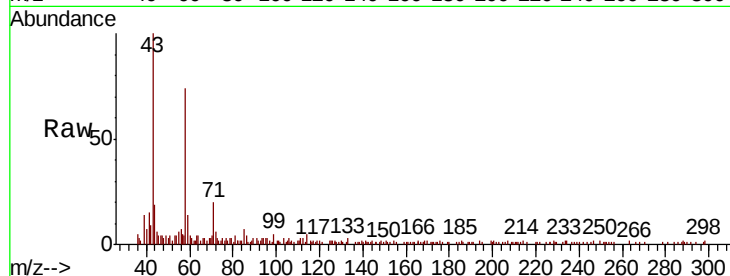
Ion Ratio Lower Upper

43 100

70 1.6 34.4 51.6#

55 12.0 19.1 28.7#

61 0.0 19.7 29.5#

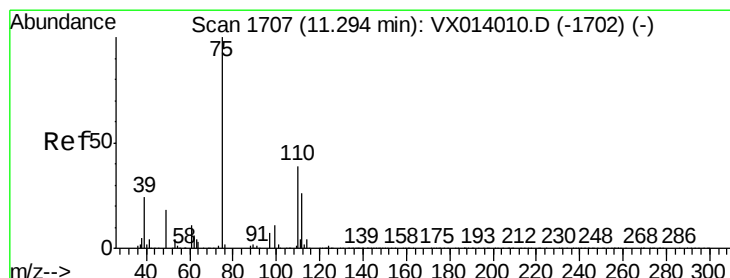
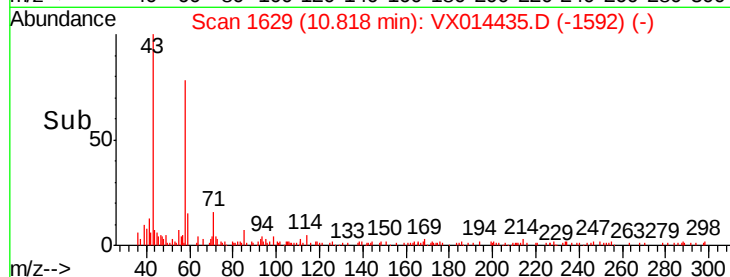
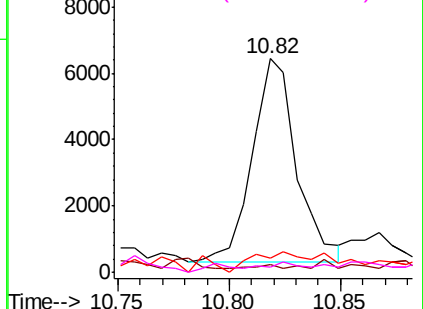


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 21.549 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014435.D

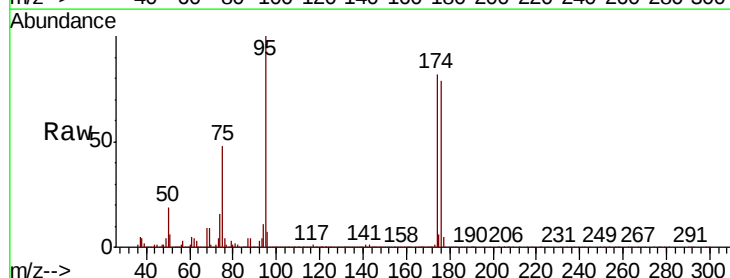
Acq: 06 Jan 2020 18:15

Tgt Ion: 75 Resp: 176534

Ion Ratio Lower Upper

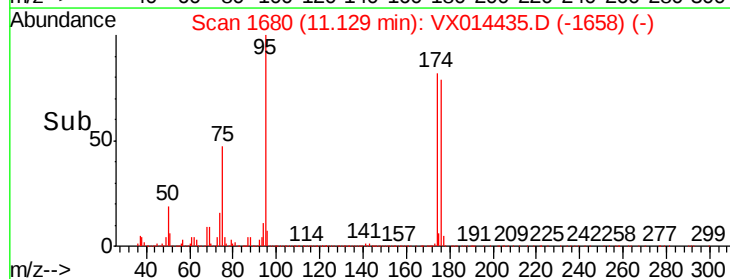
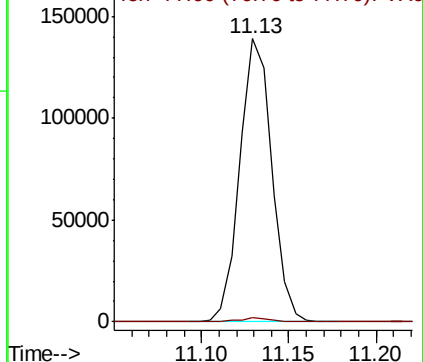
75 100

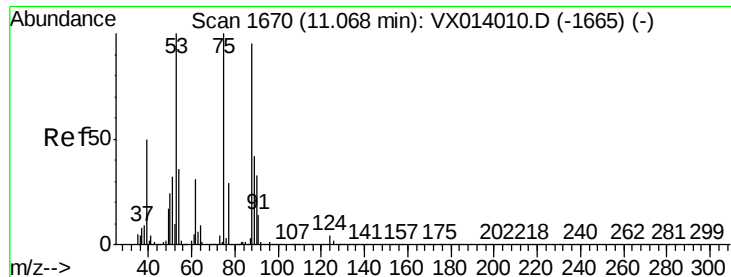
77 1.2 19.3 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

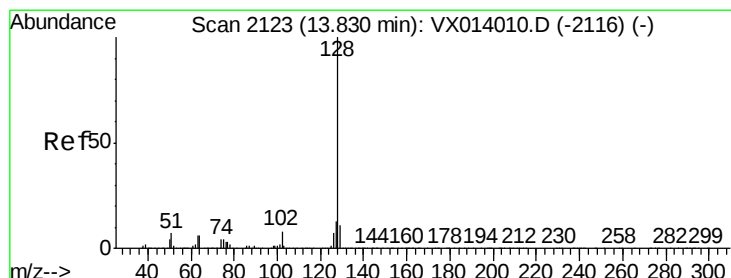
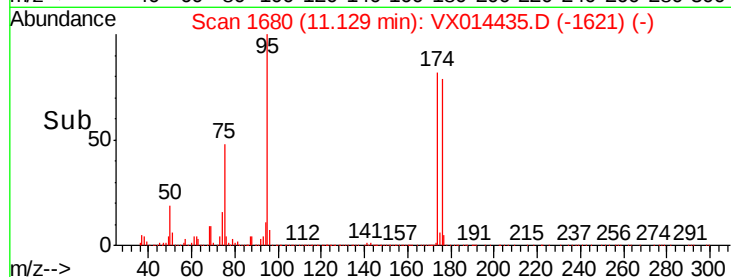
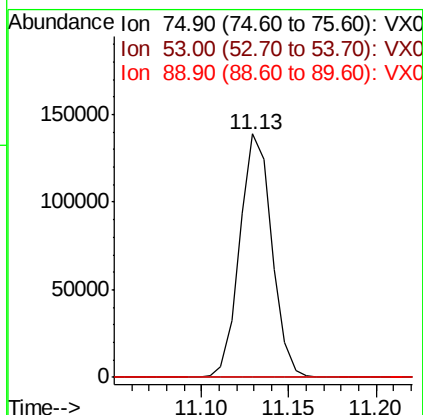
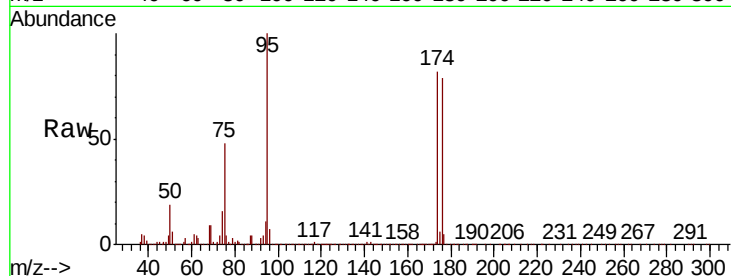




#81
trans-1,4-Dichloro-2-butene
Concen: 60.823 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014435.D
Acq: 06 Jan 2020 18:15

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 176534
Ion Ratio Lower Upper
75 100
53 0.1 76.7 115.1#
89 0.2 34.6 51.8#



#95
Naphthalene
Concen: 0.275 ug/l
RT: 13.82 min Scan# 2122
Delta R.T. -0.01 min
Lab File: VX014435.D
Acq: 06 Jan 2020 18:15

Tgt Ion:128 Resp: 6783
Ion Ratio Lower Upper
128 100
127 15.9 10.2 15.4#
129 10.4 8.7 13.1

