

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010620\
 Data File : VX014432.D
 Acq On : 06 Jan 2020 17:05
 Operator : JC/SP
 Sample : L1020-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 07 04:41:29 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	574675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	872905	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	779345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	367666	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	307902	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	
35) Dibromofluoromethane	5.49	113	257821	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
50) Toluene-d8	8.71	98	1008937	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	11.13	95	350431	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	

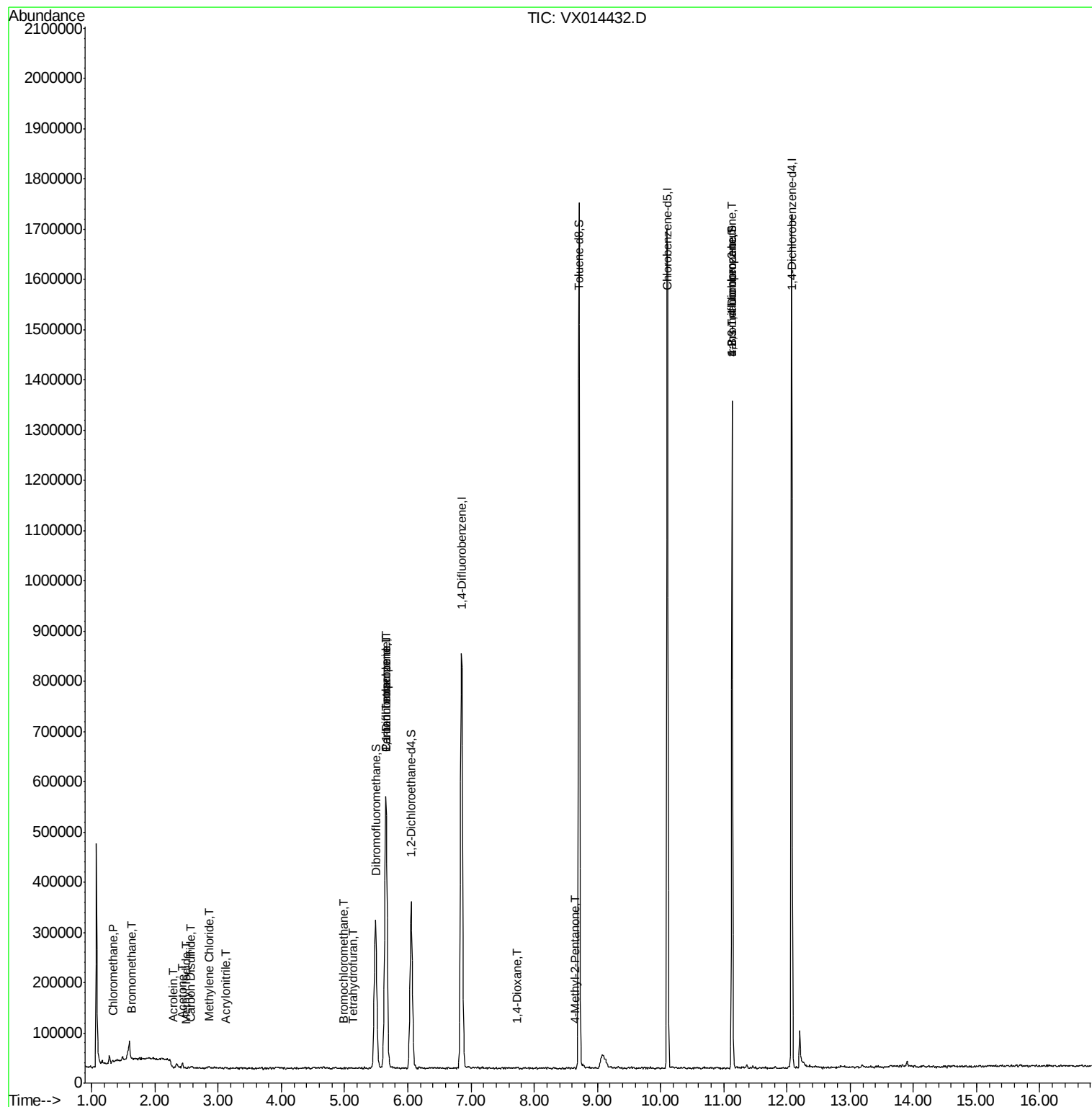
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1859	0.269	ug/l	93
5) Bromomethane	1.64	94	1356	0.262	ug/l #	60
10) Methyl Iodide	2.50	142	1971	2.881	ug/l #	84
13) Acrolein	2.28	56	705	0.875	ug/l #	40
15) Acrylonitrile	3.12	53	998	0.304	ug/l #	26
16) Acetone	2.43	43	11865	2.806	ug/l	98
17) Carbon Disulfide	2.56	76	1557	0.850	ug/l #	77
20) Methylene Chloride	2.85	84	2039	0.306	ug/l #	82
28) Bromochloromethane	4.98	49	174	0.495	ug/l #	65
29) Tetrahydrofuran	5.14	42	702	0.241	ug/l #	46
36) 1,1-Dichloropropene	5.65	75	38152	4.763	ug/l #	52
38) Carbon Tetrachloride	5.65	117	50132	6.871	ug/l #	18
49) 1,4-Dioxane	7.74	88	214	1.467	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	2084	0.227	ug/l #	81
76) 1,2,3-Trichloropropane	11.13	75	174037	21.804	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	174037	61.542	ug/l #	11

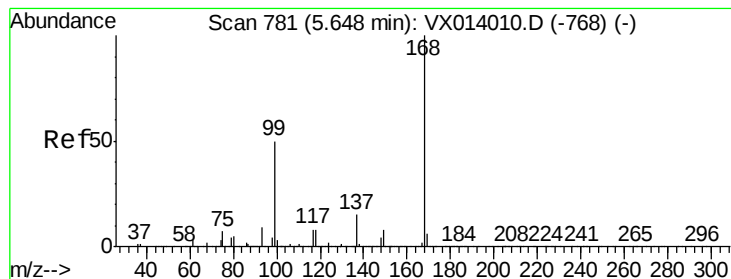
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010620\
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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: VX014432.D

Acq: 06 Jan 2020 17:05

Instrument :

MSVOA_X

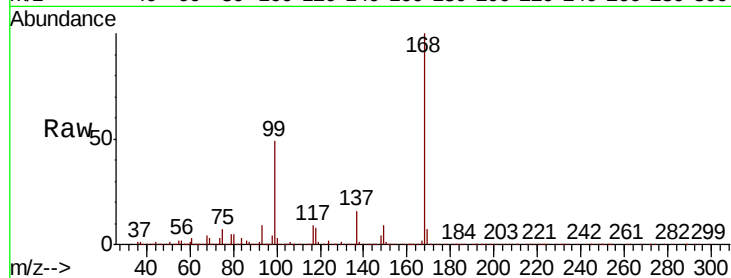
ClientSampled :

Tot Ion:168 Resp: 574675

Ion Ratio Lower Upper

168 100

99 49.0 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

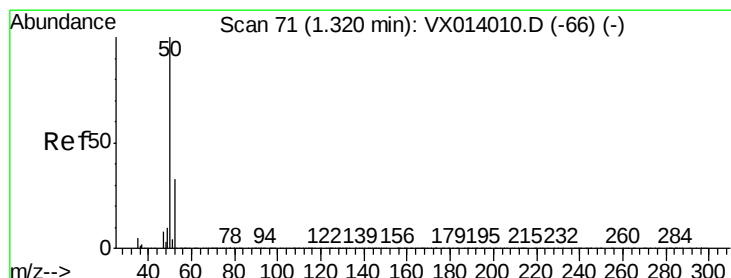
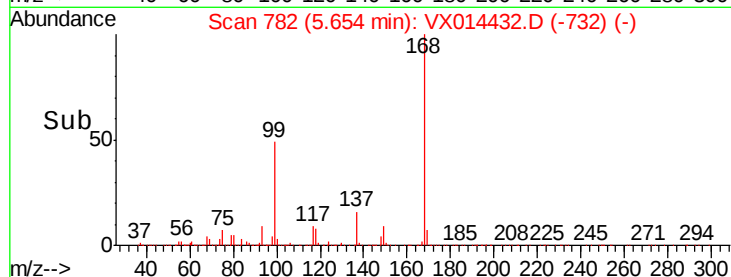
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.269 ug/l

RT: 1.33 min Scan# 72

Delta R.T. 0.01 min

Lab File: VX014432.D

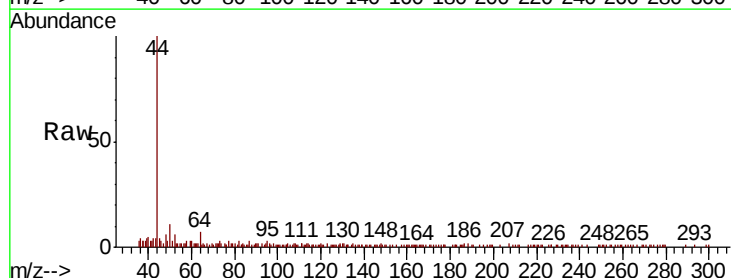
Acq: 06 Jan 2020 17:05

Tgt Ion: 50 Resp: 1859

Ion Ratio Lower Upper

50 100

52 36.7 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

1200

1000

800

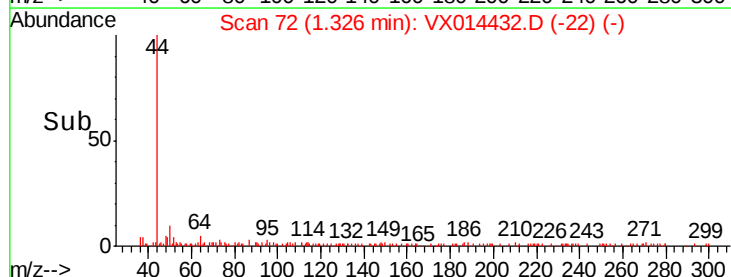
600

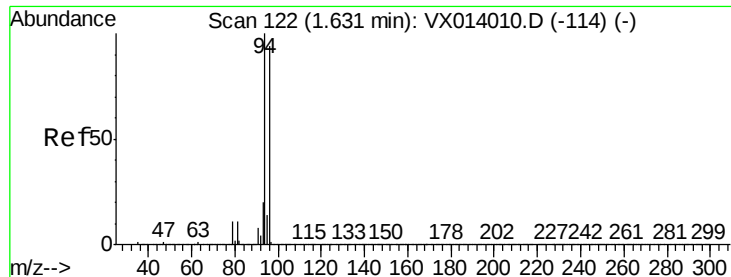
400

200

0

Time-->





#5

Bromomethane

Concen: 0.262 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014432.D

Acq: 06 Jan 2020 17:05

Instrument :

MSVOA_X

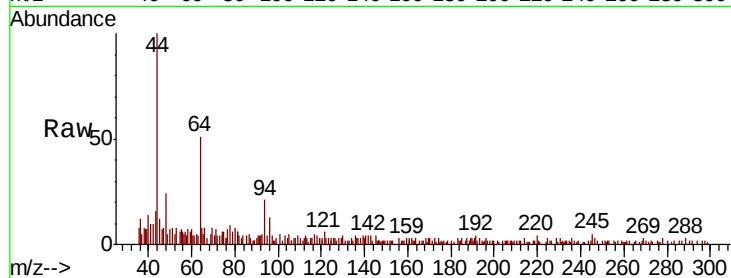
ClientSampleId :

Tot Ion: 94 Resp: 1356

Ion Ratio Lower Upper

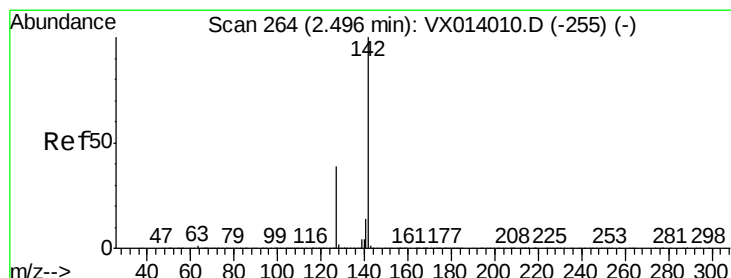
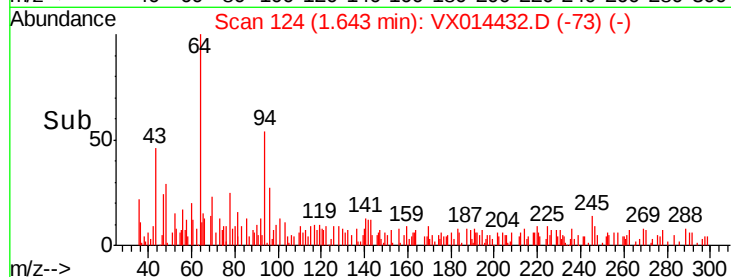
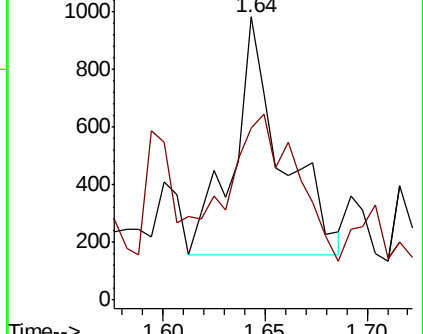
94 100

96 55.6 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 2.881 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX014432.D

Acq: 06 Jan 2020 17:05

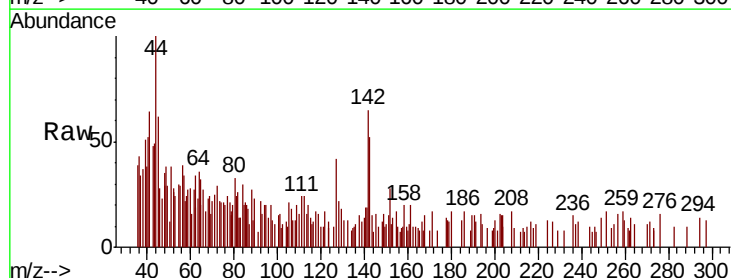
Tgt Ion: 142 Resp: 1971

Ion Ratio Lower Upper

142 100

127 42.9 31.6 47.4

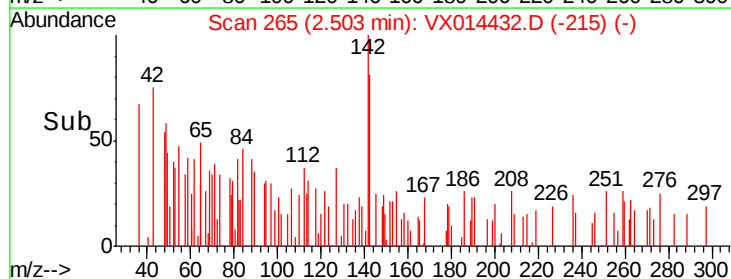
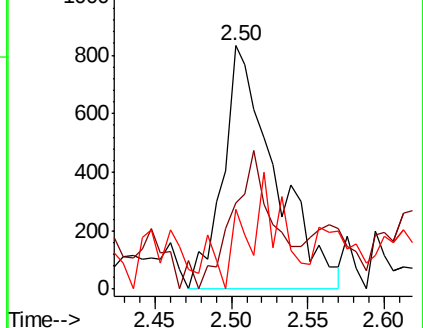
141 32.3 11.6 17.4#

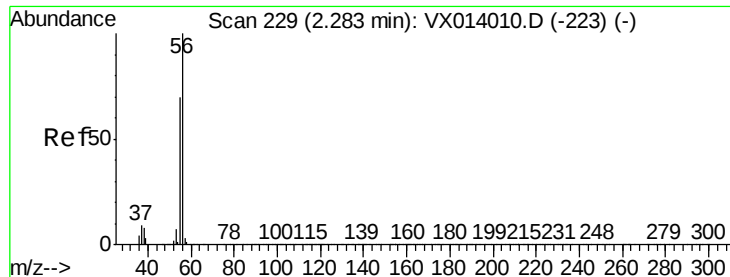


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.875 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014432.D

Acq: 06 Jan 2020 17:05

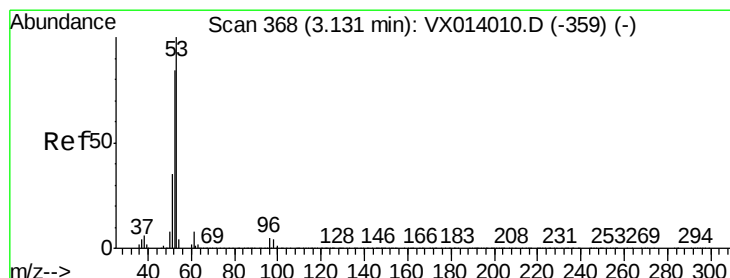
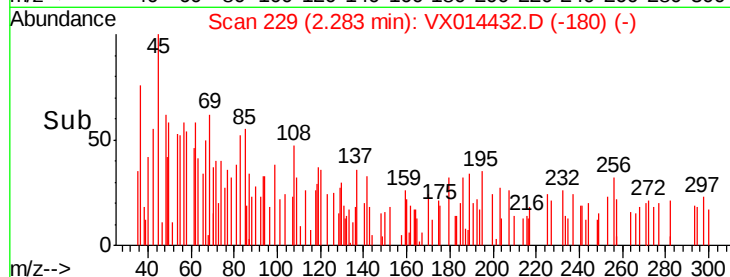
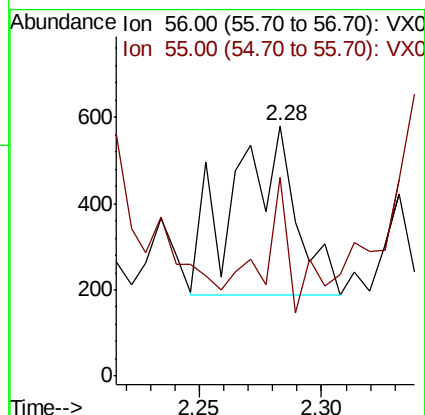
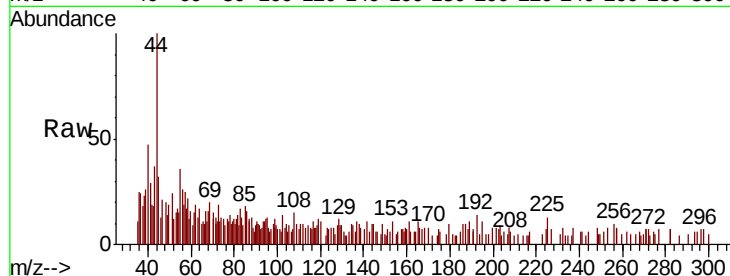
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 705

Ion Ratio Lower Upper

56 100

55 21.4 56.9 85.3#



#15

Acrylonitrile

Concen: 0.304 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX014432.D

Acq: 06 Jan 2020 17:05

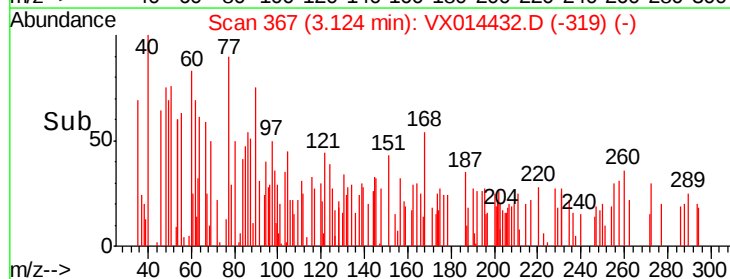
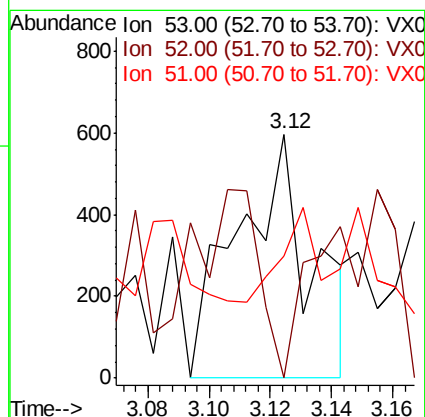
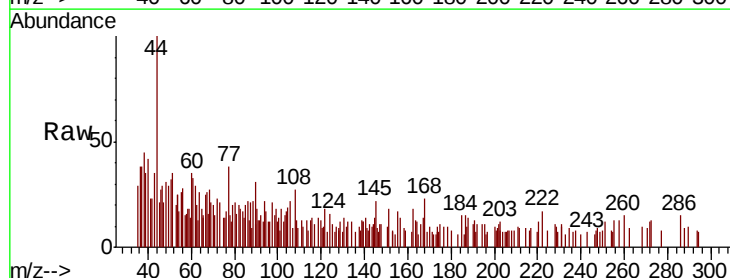
Tgt Ion: 53 Resp: 998

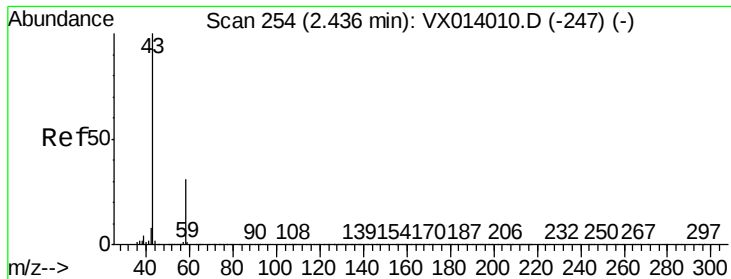
Ion Ratio Lower Upper

53 100

52 0.0 66.5 99.7#

51 16.6 28.1 42.1#

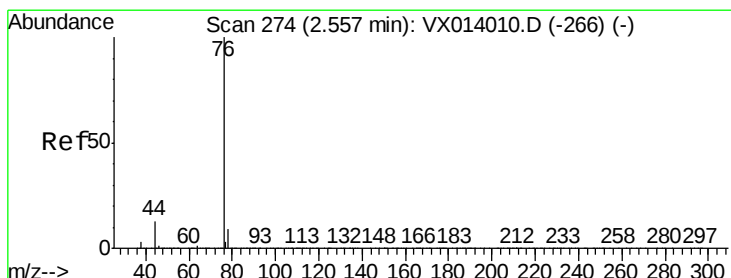
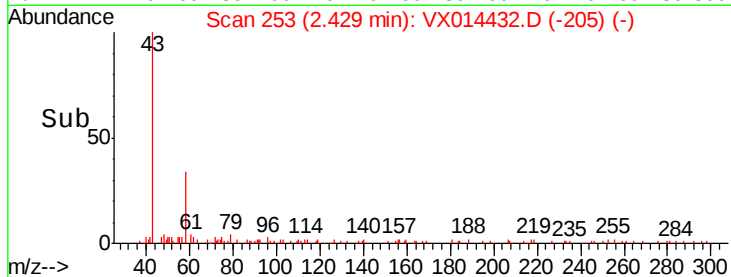
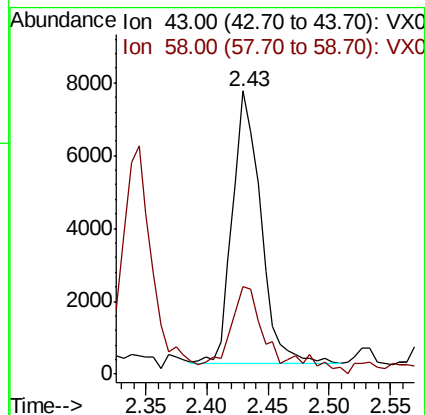
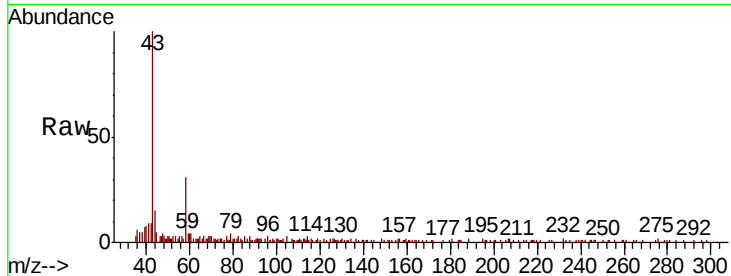




#16
Acetone
Concen: 2.806 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014432.D
Acq: 06 Jan 2020 17:05

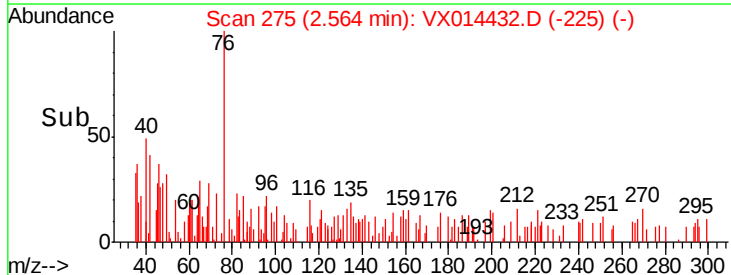
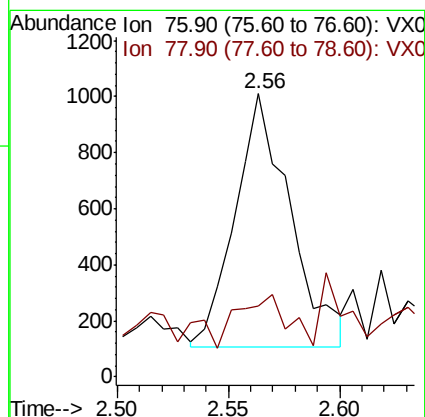
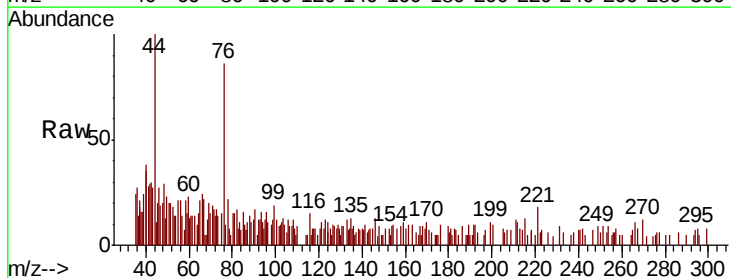
Instrument :
MSVOA_X
ClientSampleId :

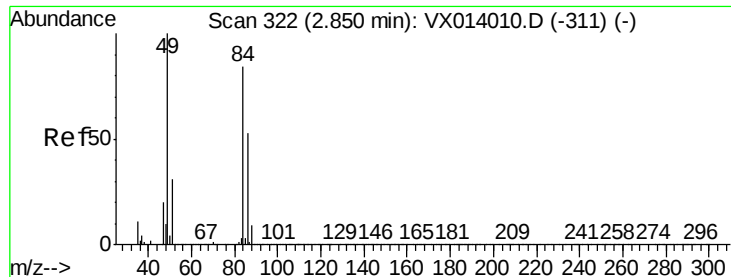
Tot Ion: 43 Resp: 11865
Ion Ratio Lower Upper
43 100
58 29.9 24.9 37.3



#17
Carbon Disulfide
Concen: 0.850 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX014432.D
Acq: 06 Jan 2020 17:05

Tgt Ion: 76 Resp: 1557
Ion Ratio Lower Upper
76 100
78 17.4 7.2 10.8#

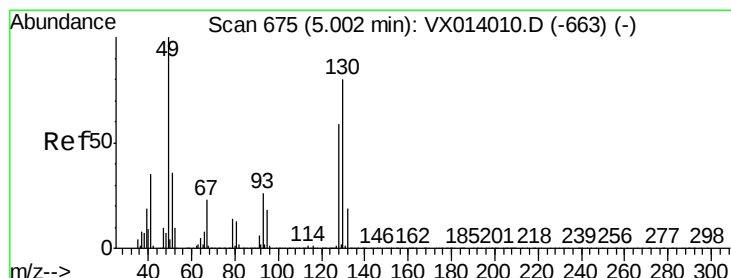
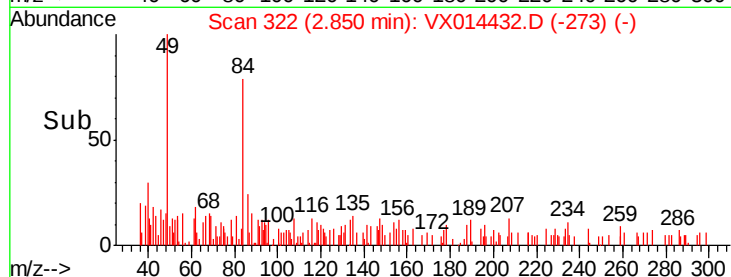
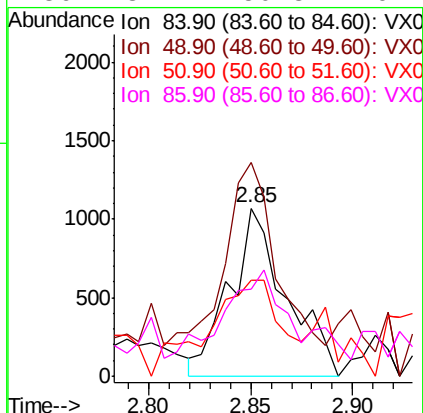
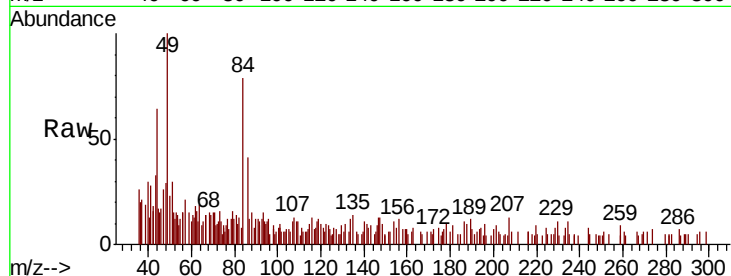




#20
Methvlene Chloride
Concen: 0.306 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014432.D
Acq: 06 Jan 2020 17:05

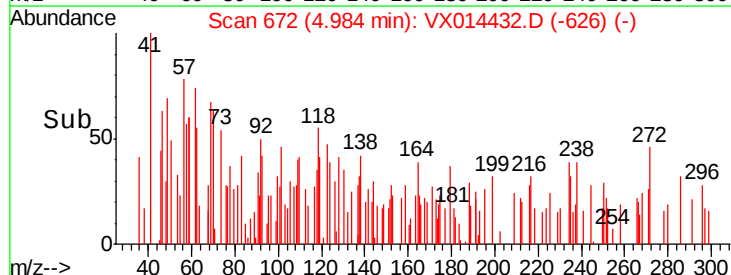
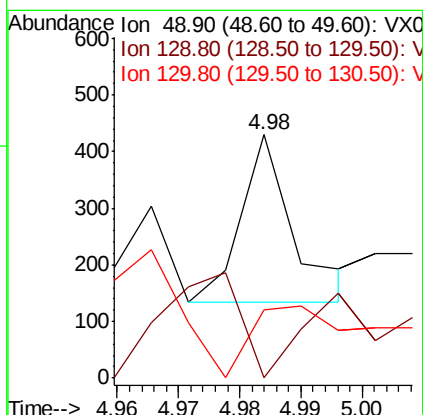
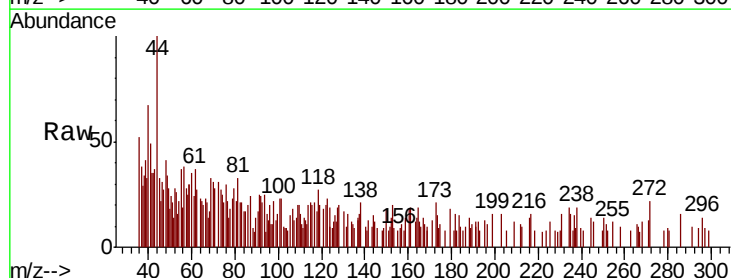
Instrument :
MSVOA_X
ClientSampled :

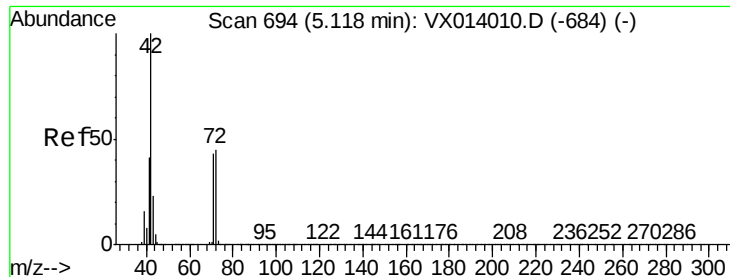
Tot Ion:	84	Resp:	2039
Ion	Ratio	Lower	Upper
84	100		
49	113.4	95.8	143.6
51	54.0	29.8	44.8#
86	37.1	50.8	76.2#



#28
Bromochloromethane
Concen: 0.495 ug/l
RT: 4.98 min Scan# 672
Delta R.T. -0.02 min
Lab File: VX014432.D
Acq: 06 Jan 2020 17:05

Tgt Ion:	49	Resp:	174
Ion	Ratio	Lower	Upper
49	100		
129	63.2	0.0	5.0#
130	107.5	64.6	97.0#

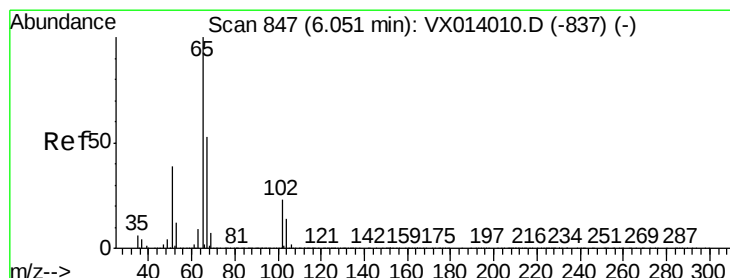
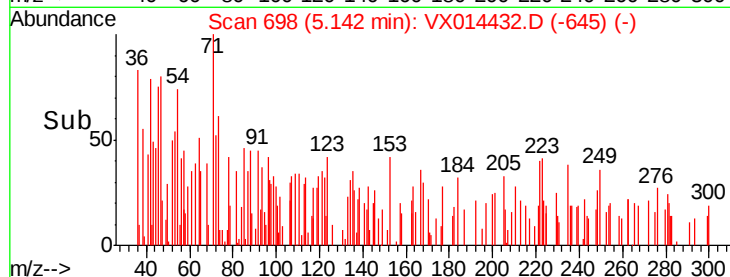
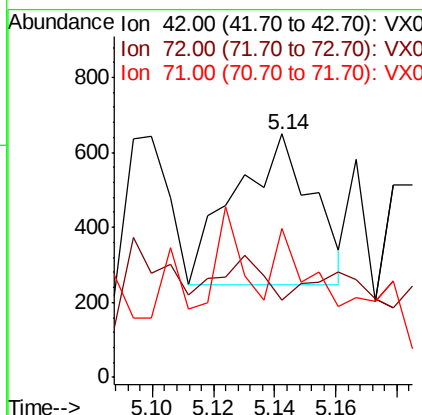
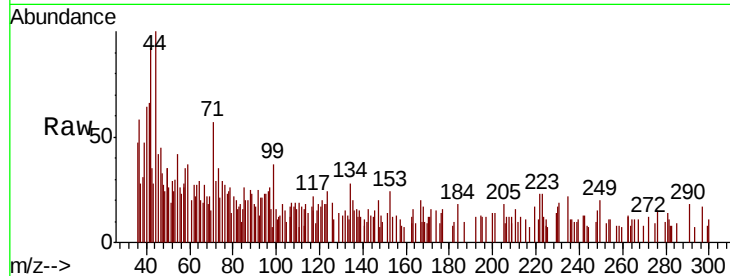




#29
Tetrahydrofuran
Concen: 0.241 ug/l
RT: 5.14 min Scan# 698
Delta R.T. 0.02 min
Lab File: VX014432.D
Acq: 06 Jan 2020 17:05

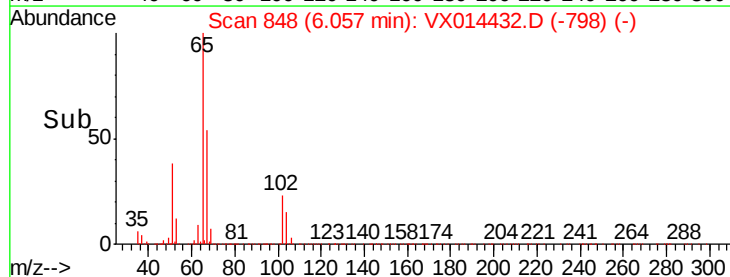
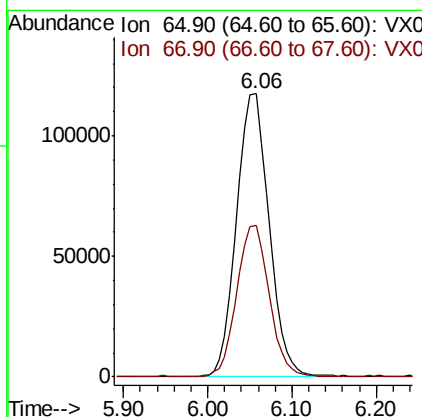
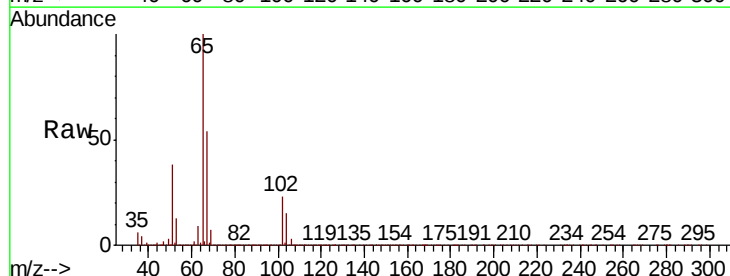
Instrument :
MSVOA_X
ClientSampled :

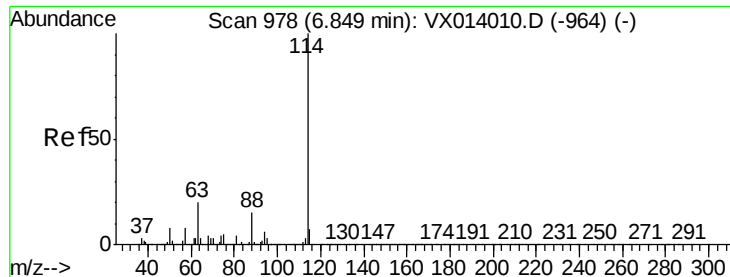
Tot Ion: 42 Resp: 702
Ion Ratio Lower Upper
42 100
72 0.0 35.8 53.8#
71 66.4 33.6 50.4#



#33
1,2-Dichloroethane-d4
Concen: 47.274 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX014432.D
Acq: 06 Jan 2020 17:05

Tgt Ion: 65 Resp: 307902
Ion Ratio Lower Upper
65 100
67 53.0 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: VX014432.D

Acq: 06 Jan 2020 17:05

Instrument :

MSVOA_X

ClientSampleId :

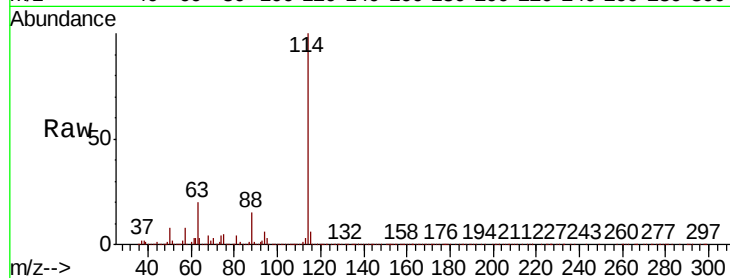
Tot Ion:114 Resp: 872905

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

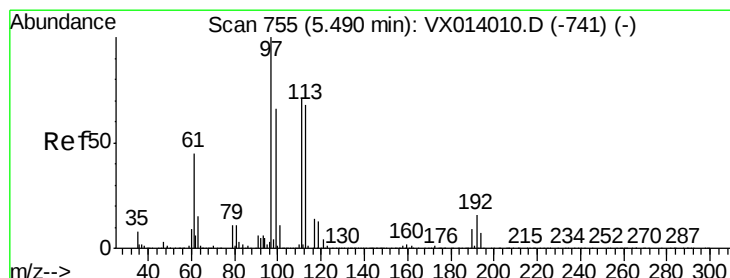
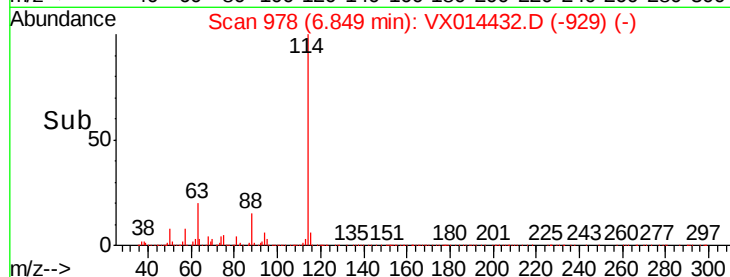
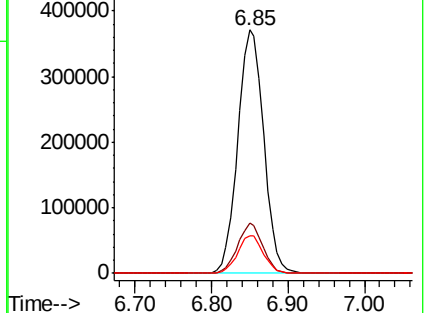
88 15.1 0.0 30.4



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: 48.588 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014432.D

Acq: 06 Jan 2020 17:05

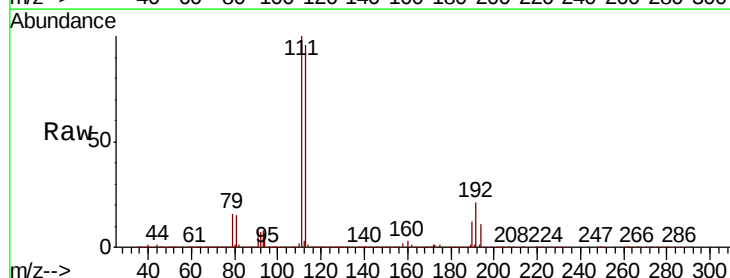
Tgt Ion:113 Resp: 257821

Ion Ratio Lower Upper

113 100

111 100.8 82.0 123.0

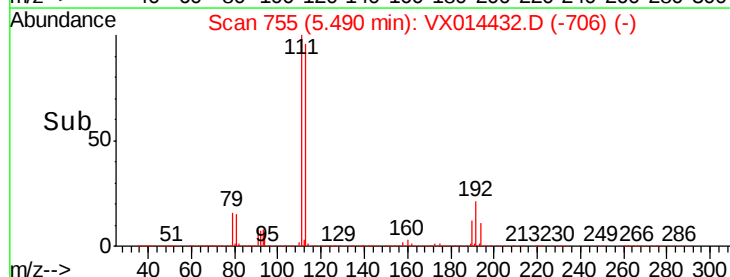
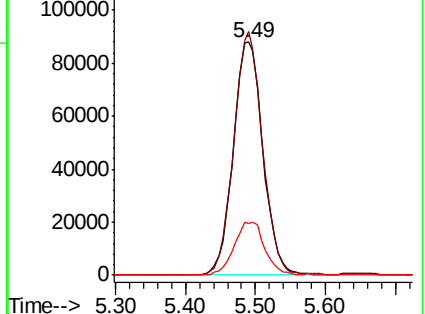
192 23.5 19.3 28.9

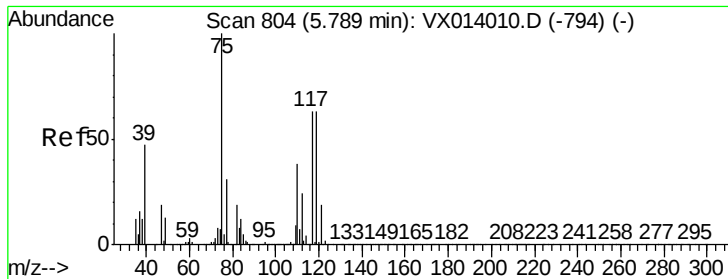


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

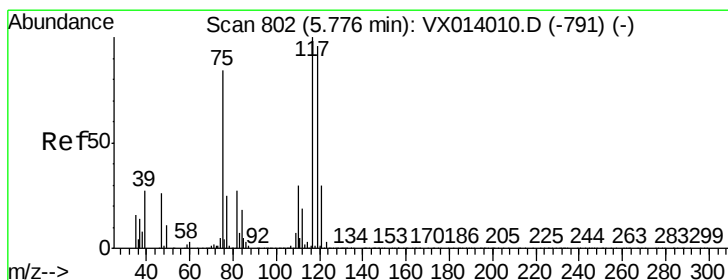
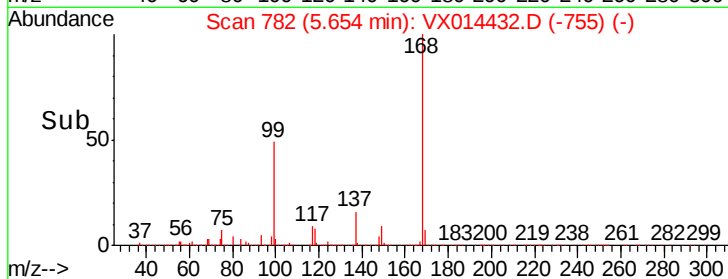
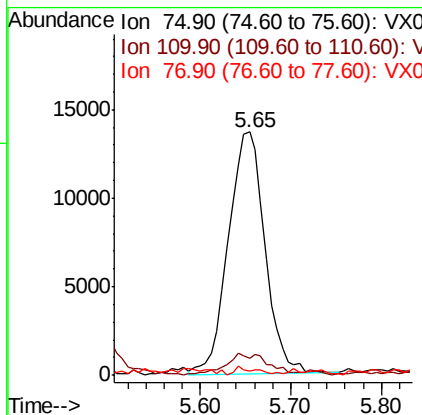
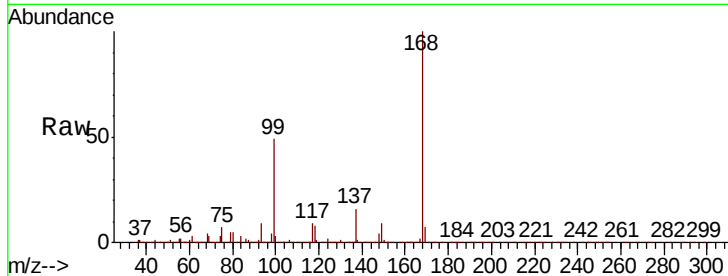




#36
 1,1-Dichloropropene
 Concen: 4.763 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX014432.D
 Acq: 06 Jan 2020 17:05

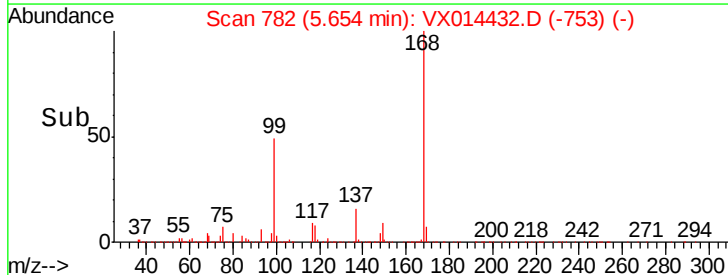
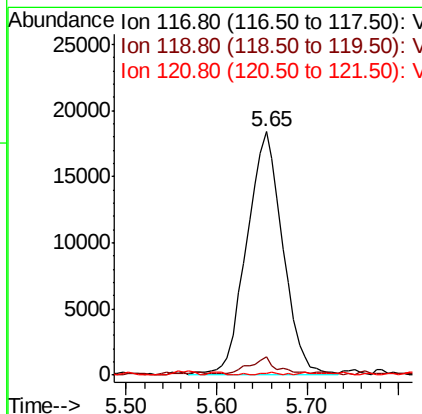
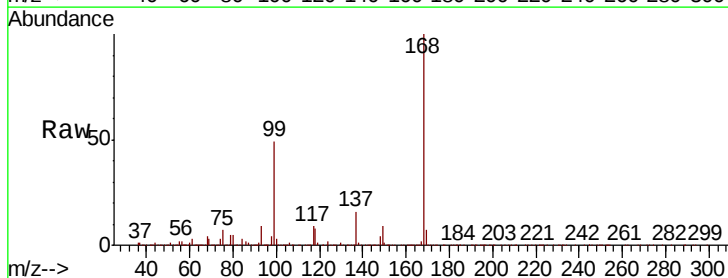
Instrument :
 MSVOA_X
 ClientSampleId :

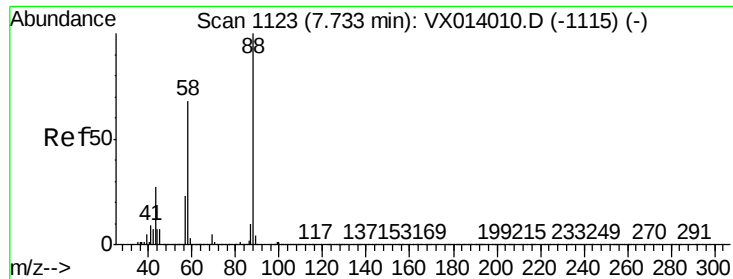
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.9	18.3	54.9#
77	1.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.871 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014432.D
 Acq: 06 Jan 2020 17:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.9	76.2	114.4#
121	0.3	23.6	35.4#

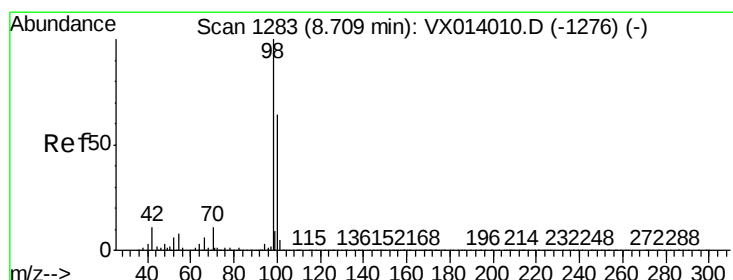
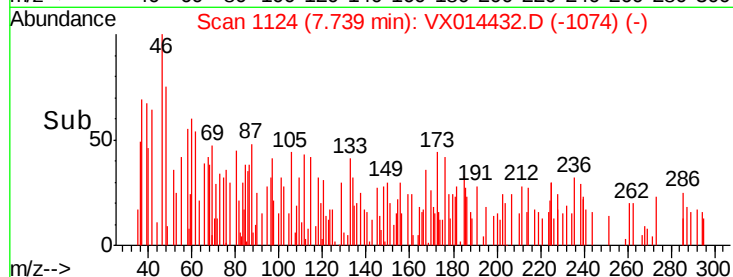
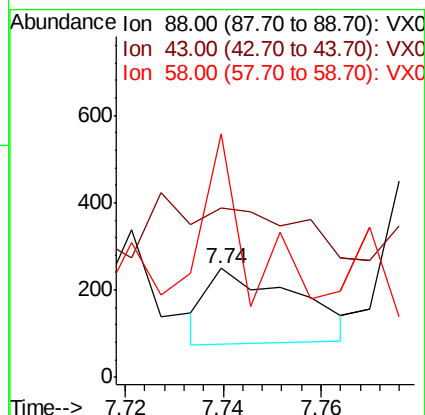
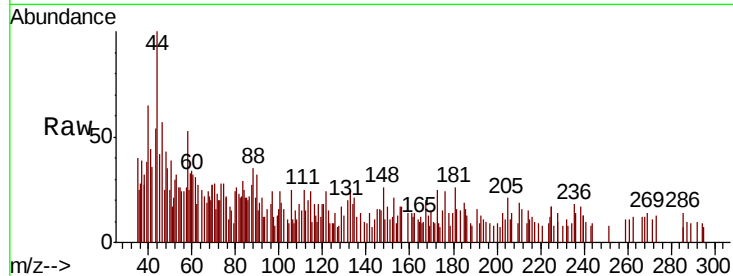




#49
1,4-Dioxane
Concen: 1.467 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX014432.D
Acq: 06 Jan 2020 17:05

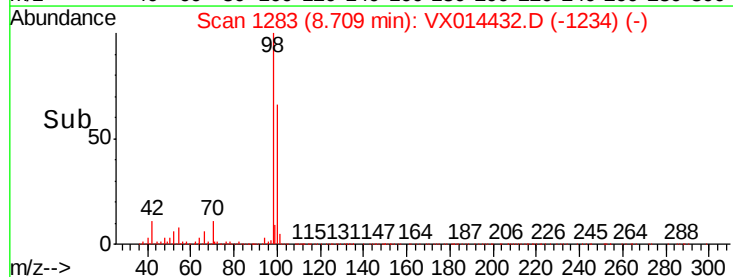
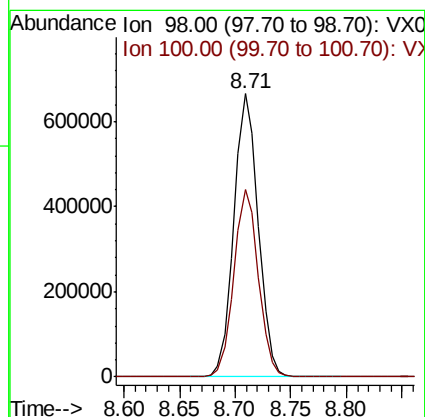
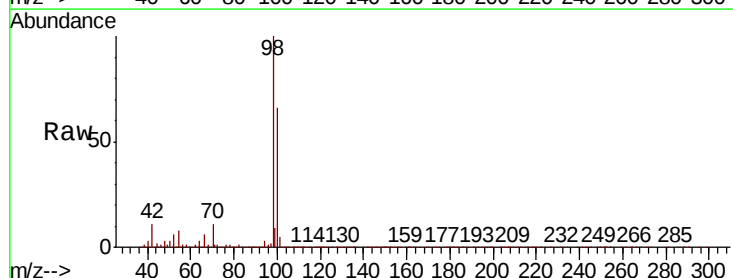
Instrument :
MSVOA_X
ClientSampled :

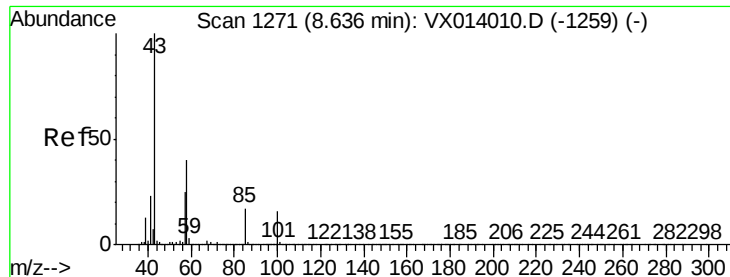
Tot Ion: 88 Resp: 214
Ion Ratio Lower Upper
88 100
43 0.0 26.5 39.7#
58 233.2 56.8 85.2#



#50
Toluene-d8
Concen: 48.838 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014432.D
Acq: 06 Jan 2020 17:05

Tgt Ion: 98 Resp: 1008937
Ion Ratio Lower Upper
98 100
100 66.2 52.9 79.3

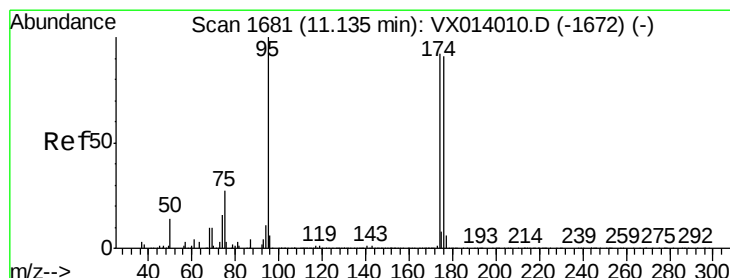
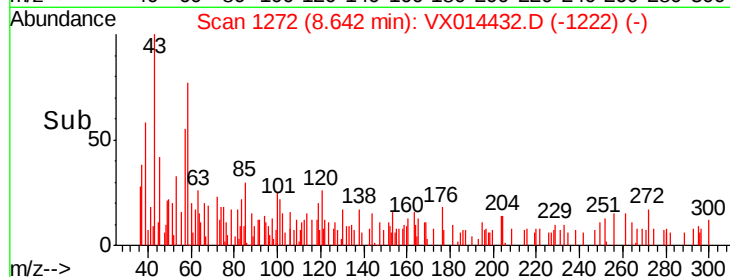
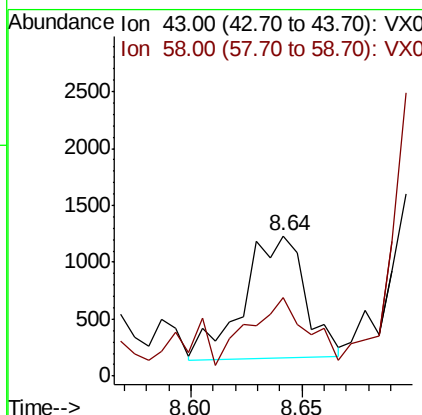
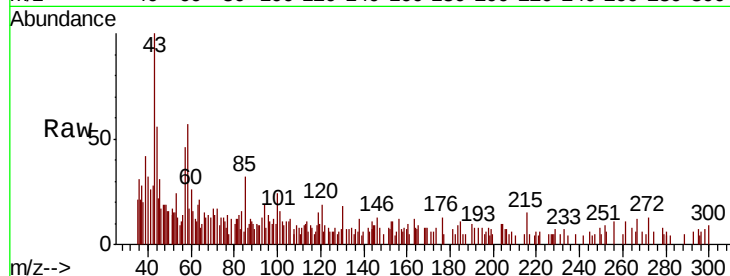




#51
4-Methyl-2-Pentanone
Concen: 0.227 ug/l
RT: 8.64 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VX014432.D
Acq: 06 Jan 2020 17:05

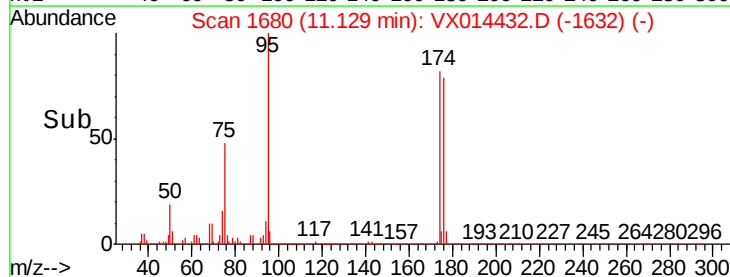
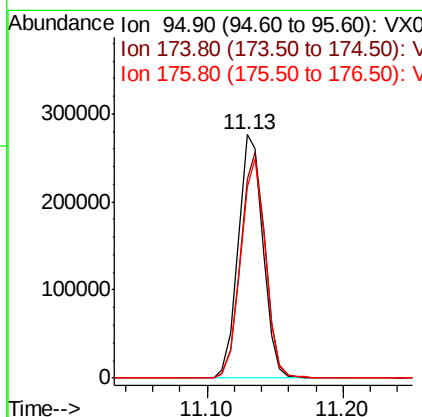
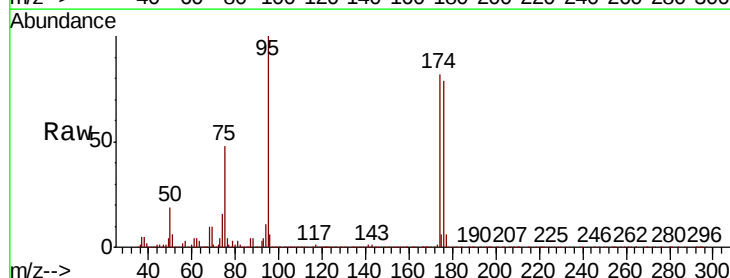
Instrument :
MSVOA_X
ClientSampleId :

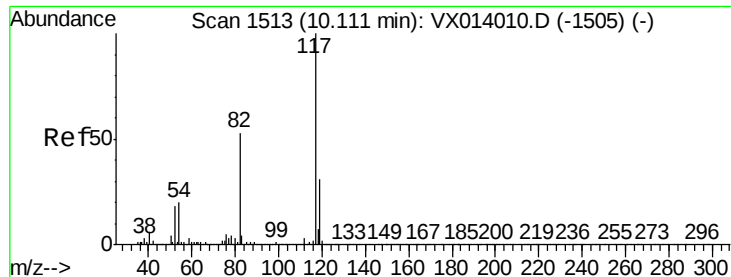
Tot Ion: 43 Resp: 2084
Ion Ratio Lower Upper
43 100
58 52.0 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 46.404 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014432.D
Acq: 06 Jan 2020 17:05

Tgt Ion: 95 Resp: 350431
Ion Ratio Lower Upper
95 100
174 92.5 0.0 175.8
176 89.7 0.0 173.0

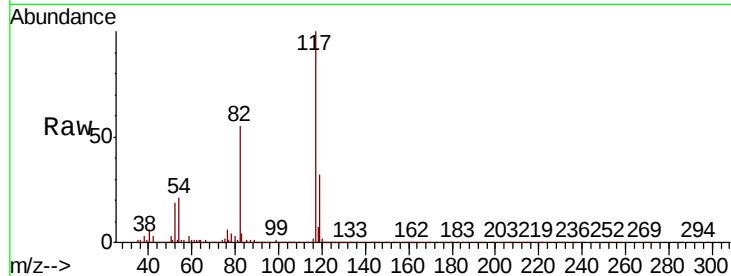




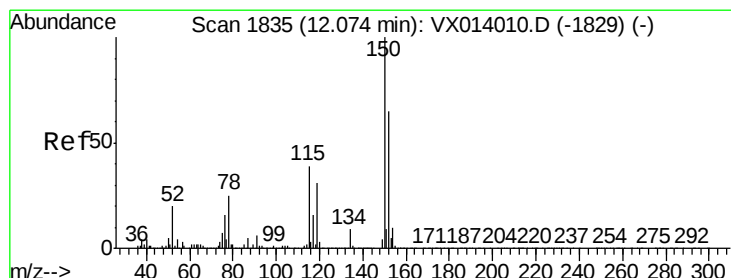
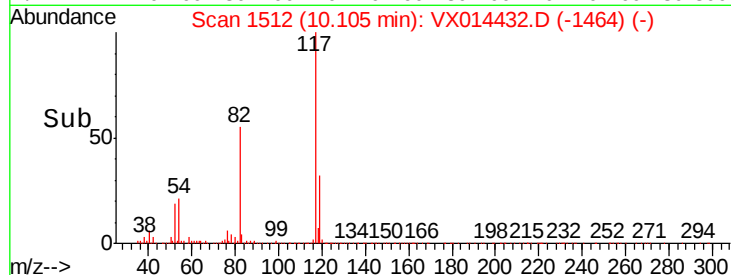
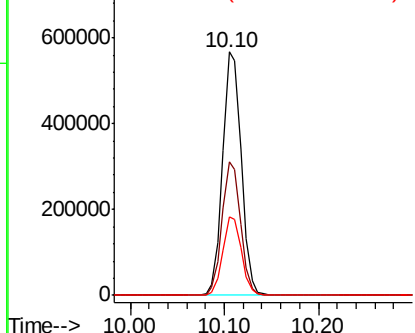
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014432.D
Acq: 06 Jan 2020 17:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	42.2	63.4
119	32.1	25.1	37.7

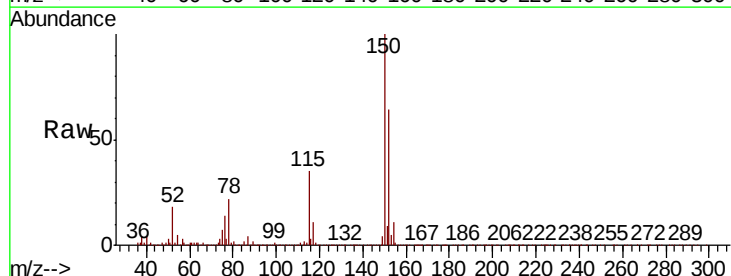


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

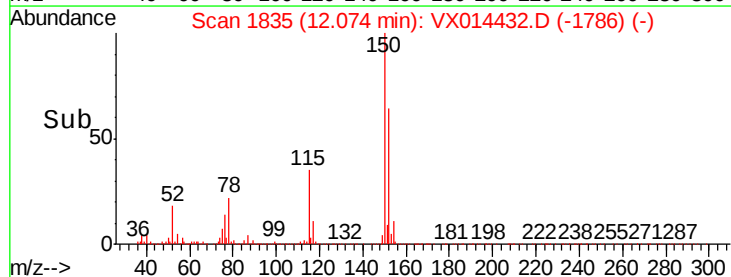
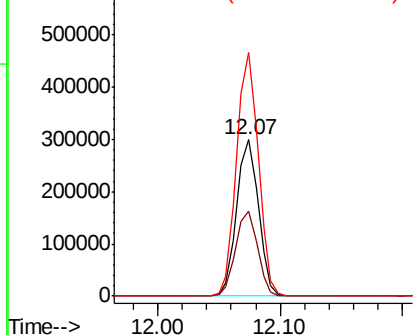


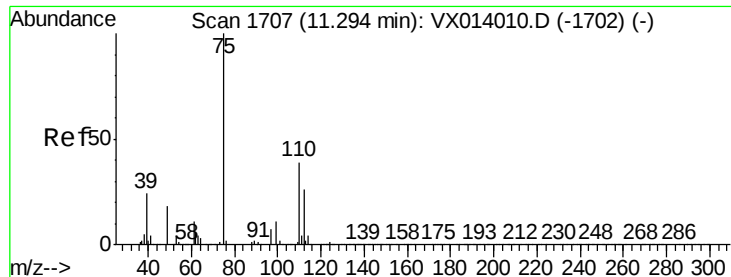
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014432.D
Acq: 06 Jan 2020 17:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	38.3	114.9
150	155.2	0.0	345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.804 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014432.D

Acq: 06 Jan 2020 17:05

Instrument :

MSVOA_X

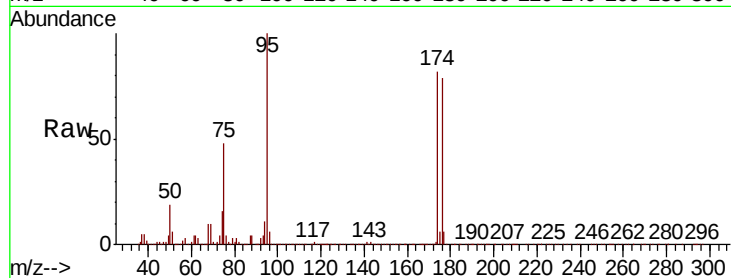
ClientSampleId :

Tot Ion: 75 Resp: 174037

Ion Ratio Lower Upper

75 100

77 1.4 19.3 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

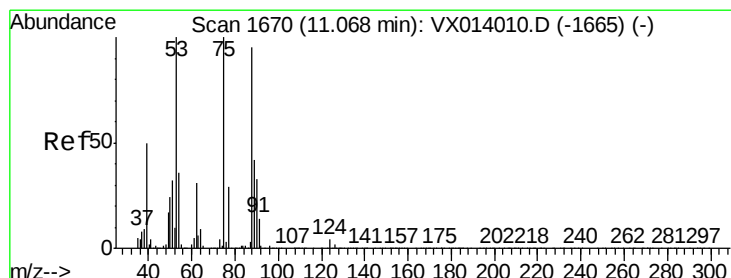
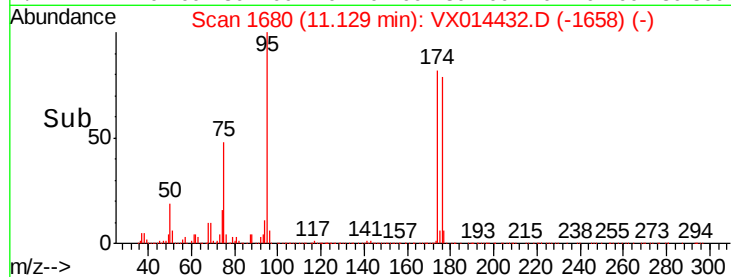
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 61.542 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014432.D

Acq: 06 Jan 2020 17:05

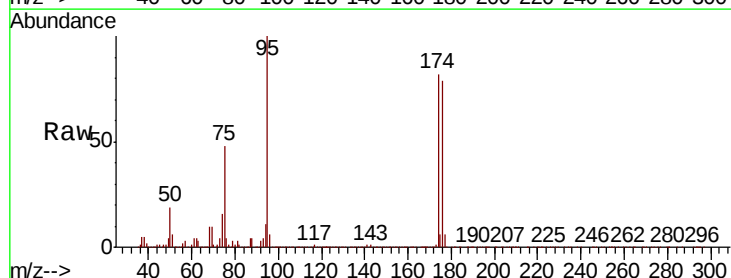
Tgt Ion: 75 Resp: 174037

Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

89 0.3 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.13

150000

100000

50000

0

Time-->

