

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122319\
 Data File : VX014193.D
 Acq On : 23 Dec 2019 11:18
 Operator : JC/SP
 Sample : VX1223WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1223WBL01

Quant Time: Dec 24 01:27:23 2019
 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	597238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	916070	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	816341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	370689	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	327815	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
35) Dibromofluoromethane	5.49	113	272307	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
50) Toluene-d8	8.71	98	1077802	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.14	95	370534	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	

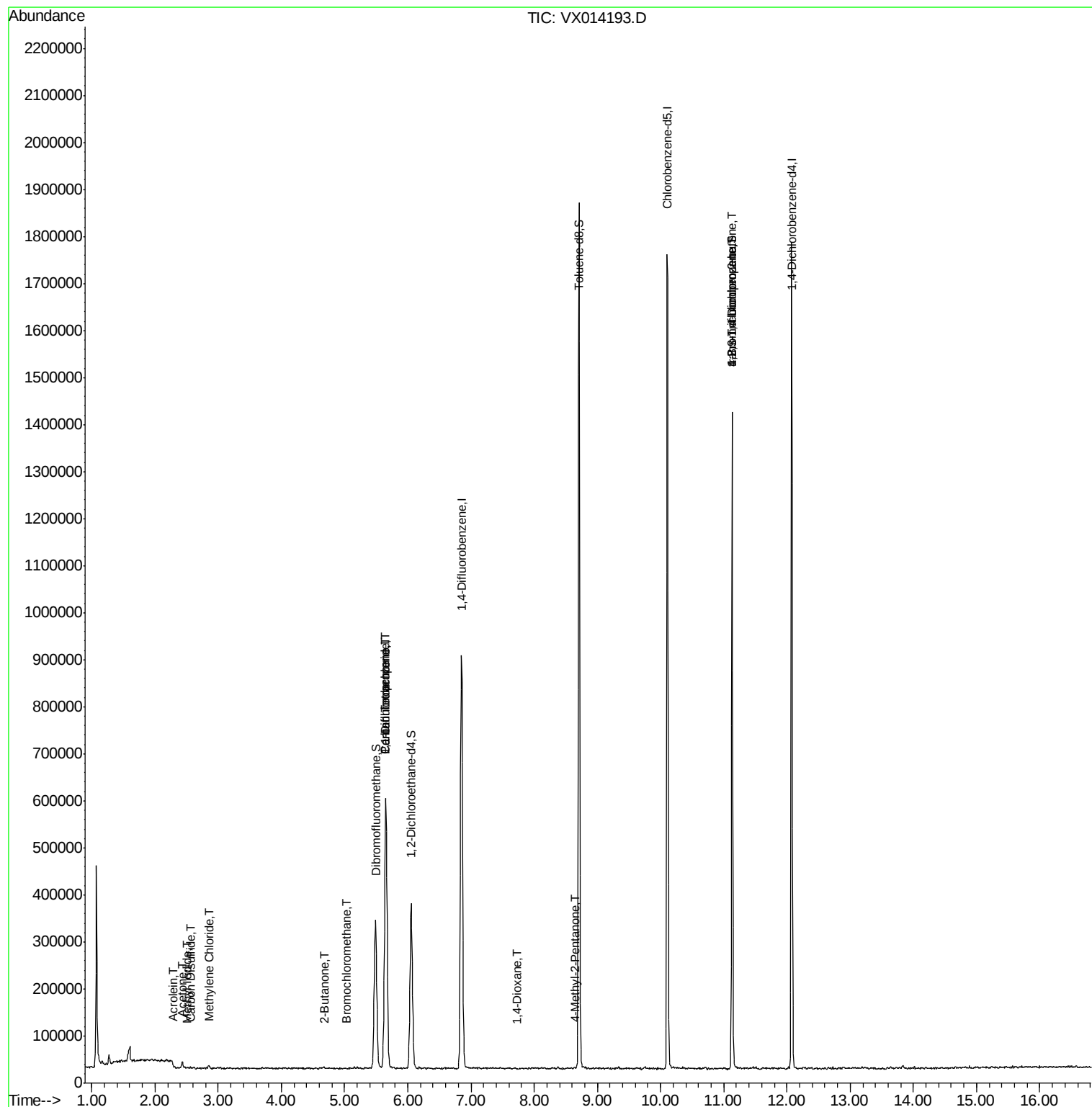
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	1578	2.822	ug/l #	70
13) Acrolein	2.30	56	521	0.622	ug/l	86
16) Acetone	2.43	43	13821	3.145	ug/l	97
17) Carbon Disulfide	2.56	76	3408	0.961	ug/l #	55
20) Methylene Chloride	2.85	84	2753	0.398	ug/l	88
25) 2-Butanone	4.69	43	3465	0.640	ug/l	96
28) Bromochloromethane	5.03	49	685	0.609	ug/l #	42
36) 1,1-Dichloropropene	5.65	75	40038	4.763	ug/l #	50
38) Carbon Tetrachloride	5.65	117	51484	6.724	ug/l #	19
49) 1,4-Dioxane	7.74	88	141	0.921	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	2515	0.261	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	179433	22.296	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	179433	62.932	ug/l #	12

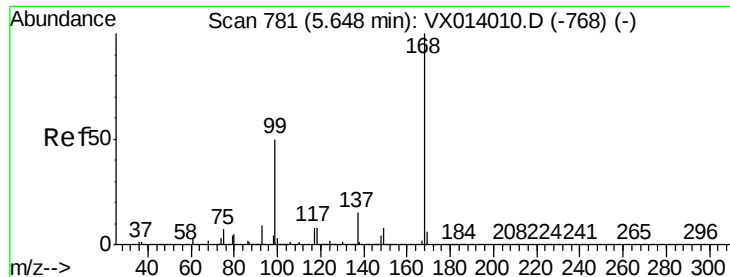
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014193.D

Acq: 23 Dec 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

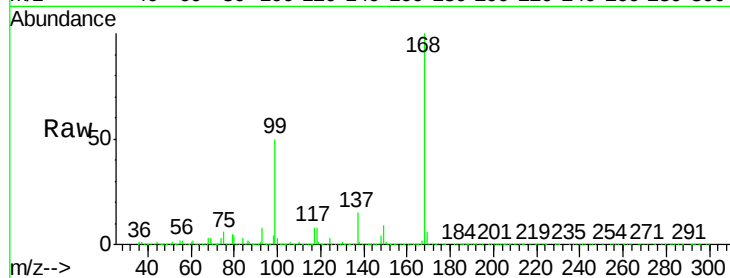
VX1223WBL01

Tgt Ion:168 Resp: 597238

Ion Ratio Lower Upper

168 100

99 50.2 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

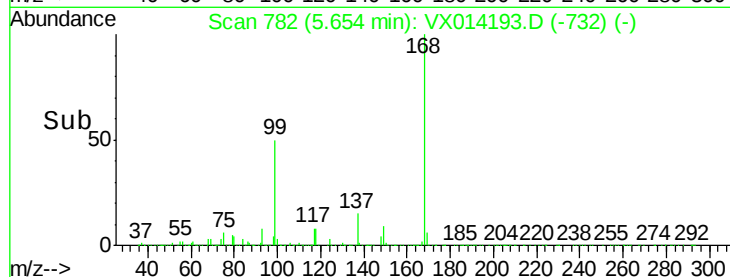
150000

100000

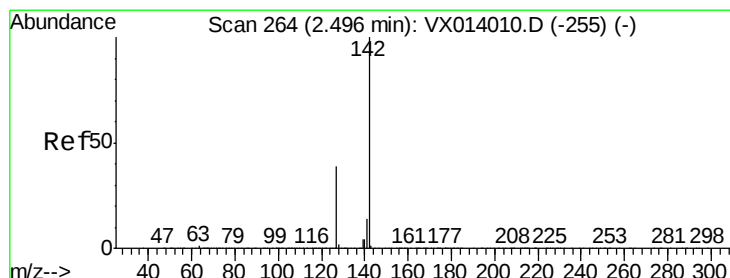
50000

0

5.50 5.60 5.70 5.80



Time-->



#10

Methyl Iodide

Concen: 2.822 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX014193.D

Acq: 23 Dec 2019 11:18

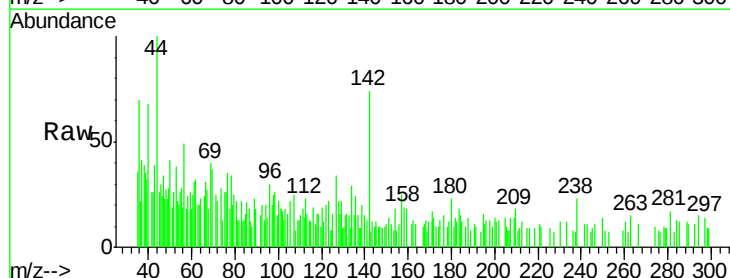
Tgt Ion:142 Resp: 1578

Ion Ratio Lower Upper

142 100

127 16.9 31.6 47.4#

141 9.1 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

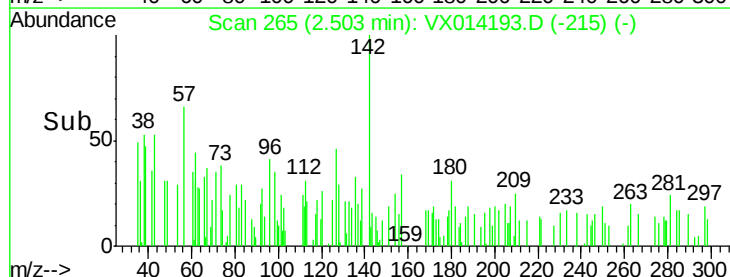
600

400

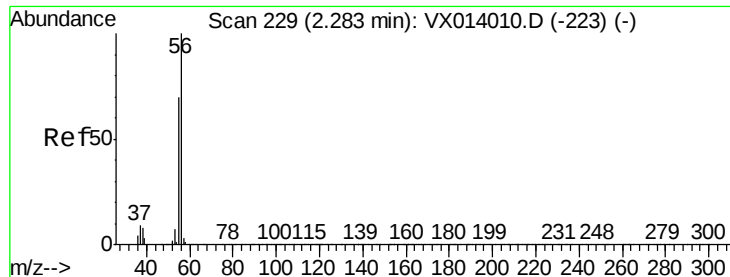
200

0

2.45 2.50 2.55



Time-->



#13

Acrolein

Concen: 0.622 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX014193.D

Acq: 23 Dec 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

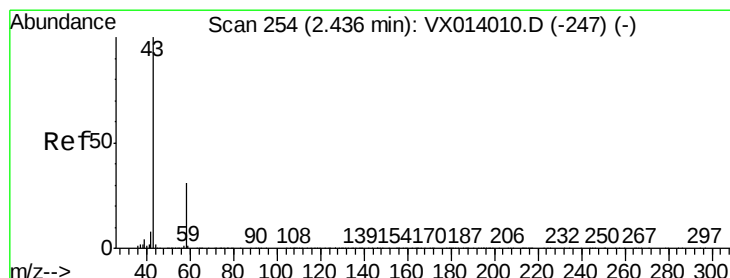
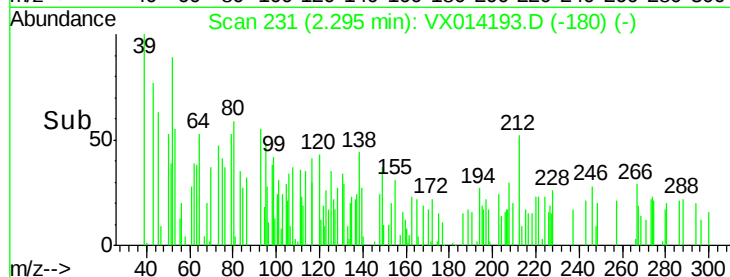
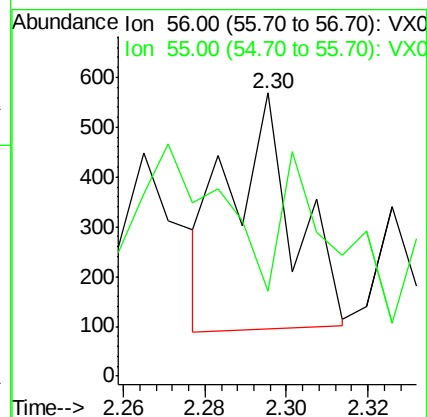
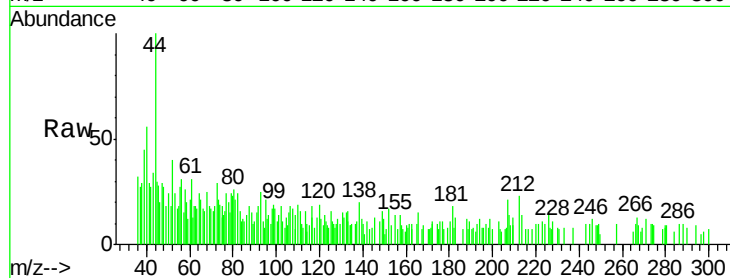
VX1223WBL01

Tgt Ion: 56 Resp: 521

Ion Ratio Lower Upper

56 100

55 59.3 56.9 85.3



#16

Acetone

Concen: 3.145 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014193.D

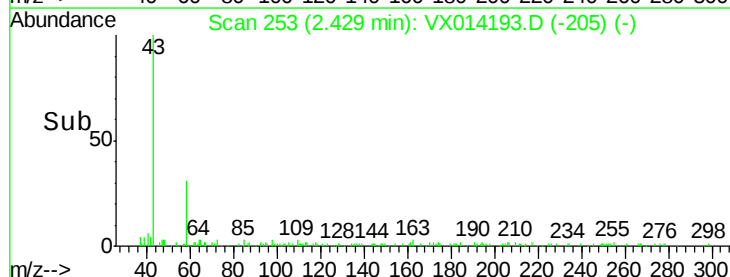
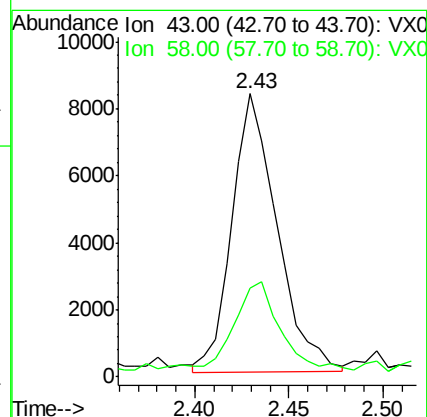
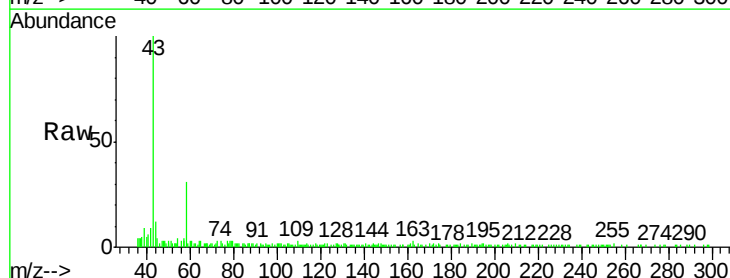
Acq: 23 Dec 2019 11:18

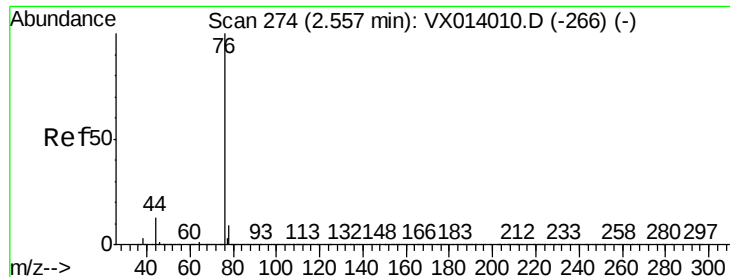
Tgt Ion: 43 Resp: 13821

Ion Ratio Lower Upper

43 100

58 29.4 24.9 37.3





#17

Carbon Disulfide

Concen: 0.961 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX014193.D

Acq: 23 Dec 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

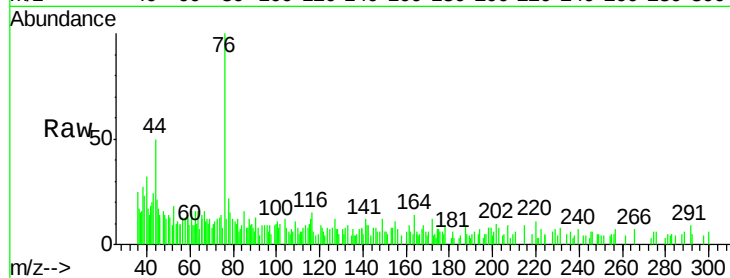
VX1223WBL01

Tgt Ion: 76 Resp: 3408

Ion Ratio Lower Upper

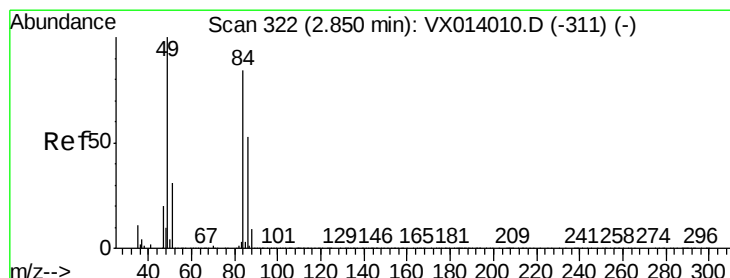
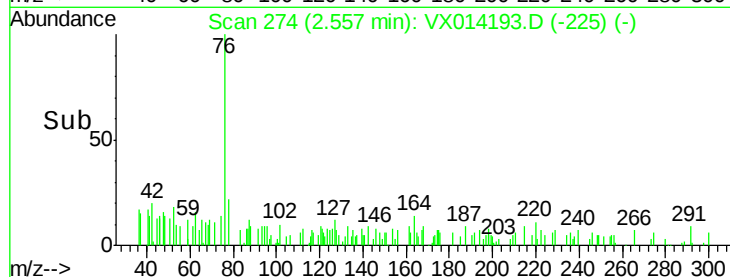
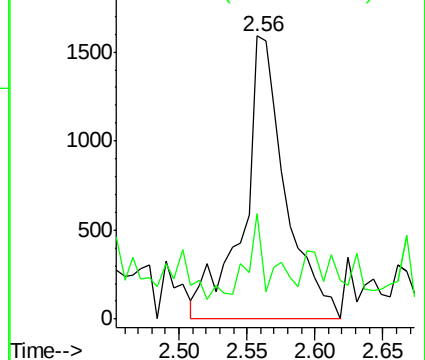
76 100

78 25.3 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.398 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014193.D

Acq: 23 Dec 2019 11:18

Tgt Ion: 84 Resp: 2753

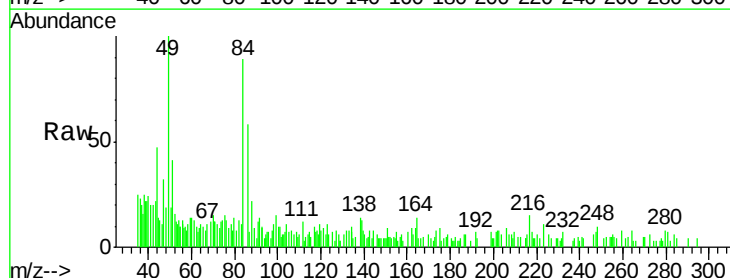
Ion Ratio Lower Upper

84 100

49 106.3 95.8 143.6

51 30.4 29.8 44.8

86 72.2 50.8 76.2

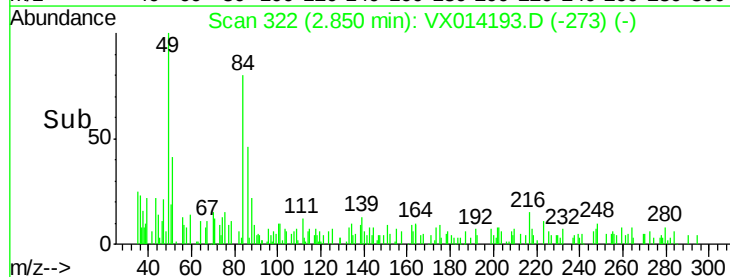
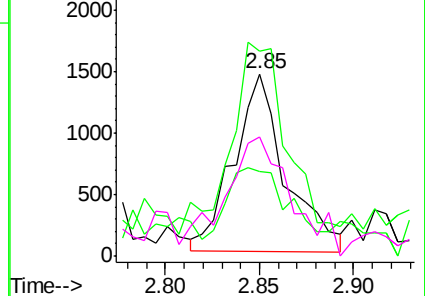


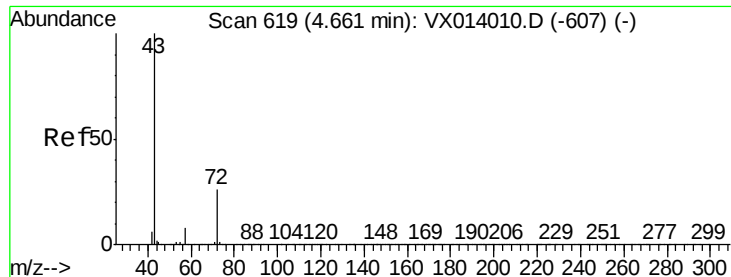
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#25

2-Butanone

Concen: 0.640 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.02 min

Lab File: VX014193.D

Acq: 23 Dec 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

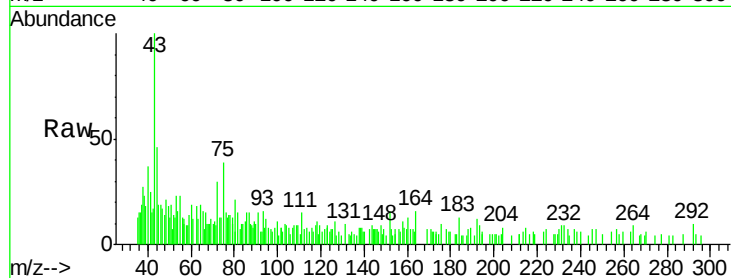
VX1223WBL01

Tgt Ion: 43 Resp: 3465

Ion Ratio Lower Upper

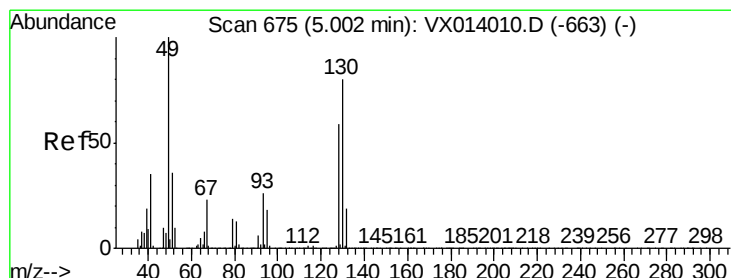
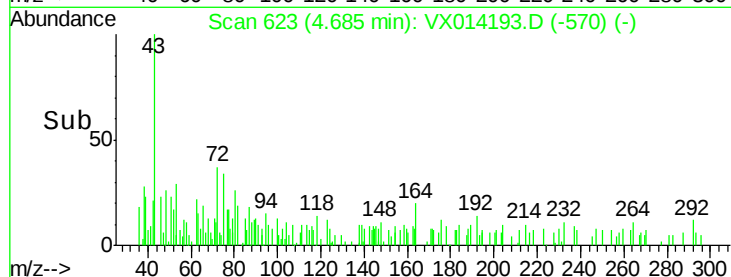
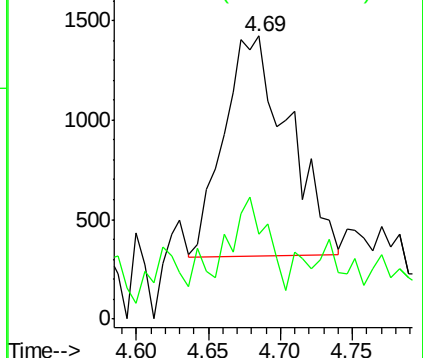
43 100

72 24.3 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: 0.609 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.03 min

Lab File: VX014193.D

Acq: 23 Dec 2019 11:18

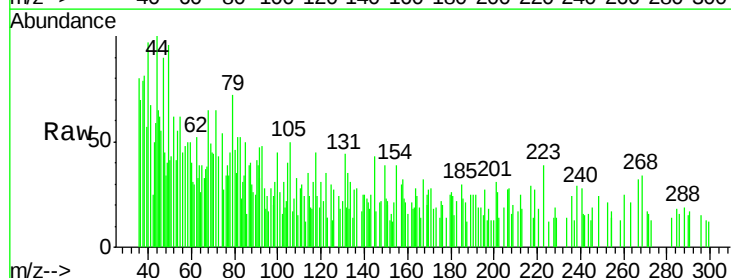
Tgt Ion: 49 Resp: 685

Ion Ratio Lower Upper

49 100

129 45.7 0.0 5.0#

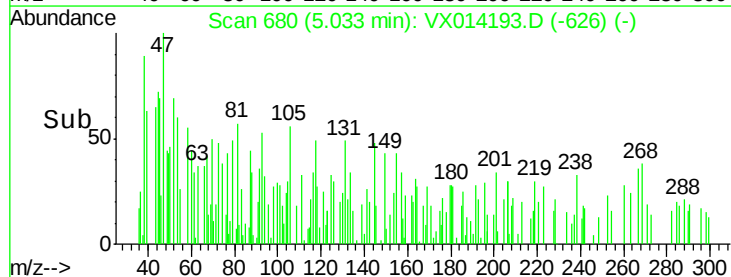
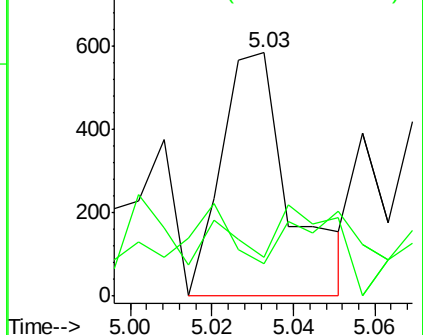
130 31.1 64.6 97.0#

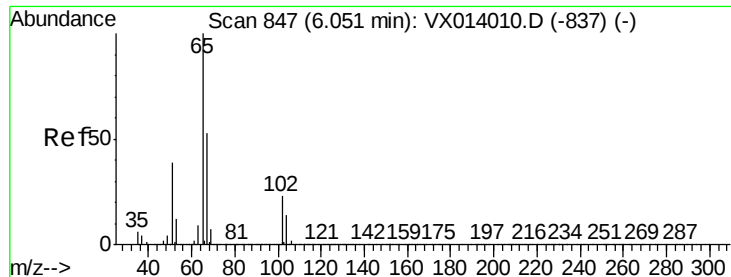


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#33

1,2-Dichloroethane-d4

Concen: 48.430 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014193.D

Acq: 23 Dec 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

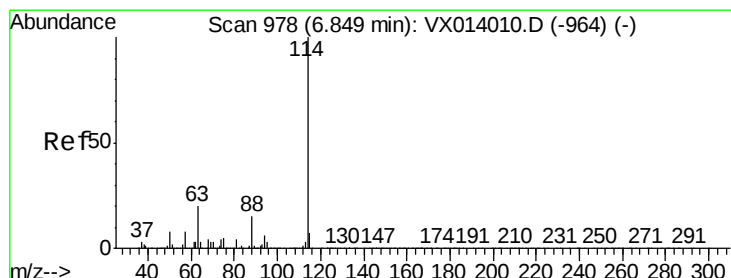
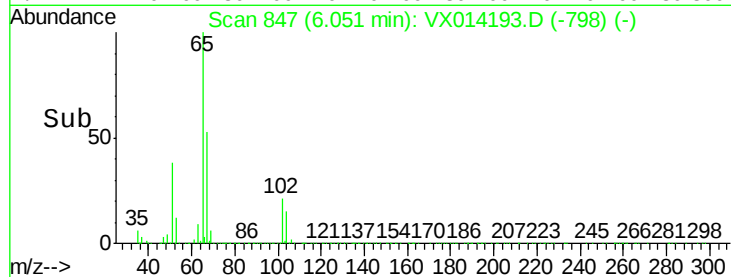
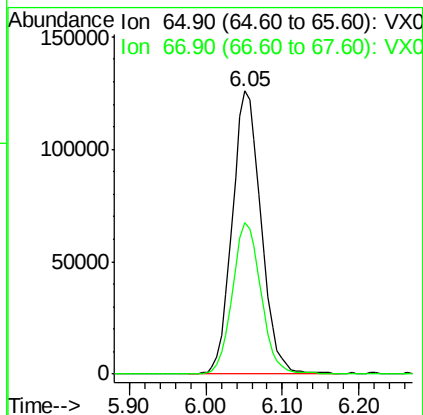
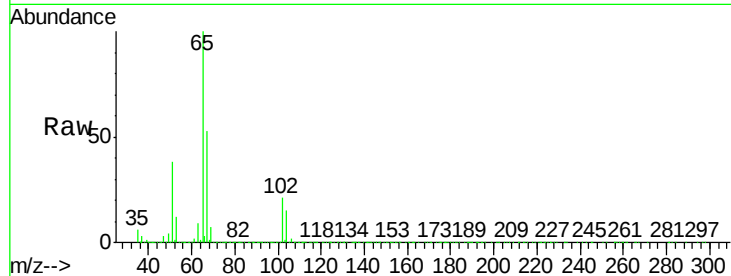
VX1223WBL01

Tgt Ion: 65 Resp: 327815

Ion Ratio Lower Upper

65 100

67 52.9 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: VX014193.D

Acq: 23 Dec 2019 11:18

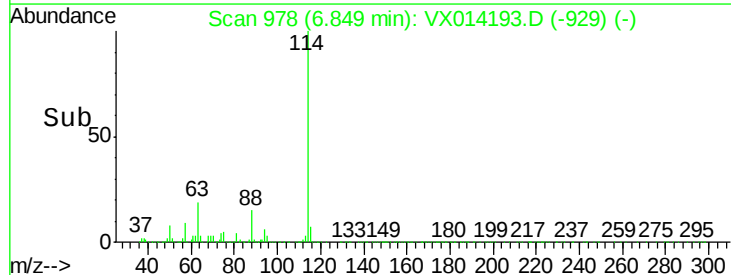
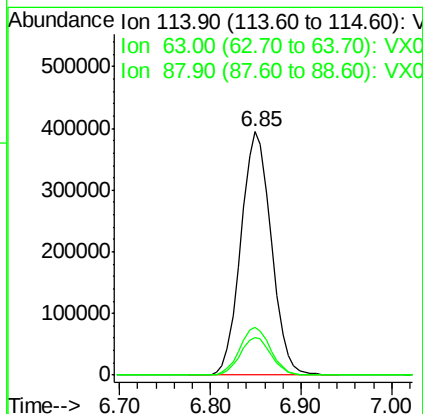
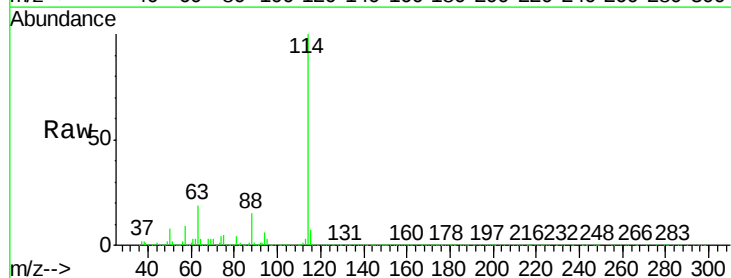
Tgt Ion: 114 Resp: 916070

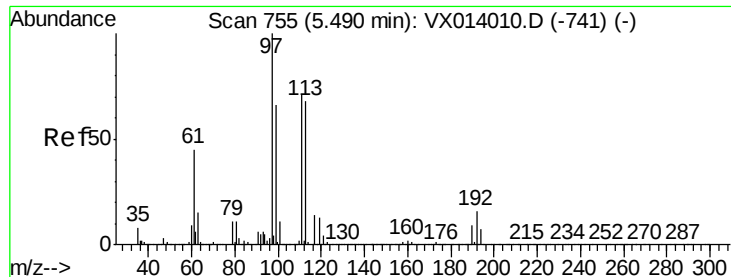
Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.8

88 15.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 48.900 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014193.D

Acq: 23 Dec 2019 11:18

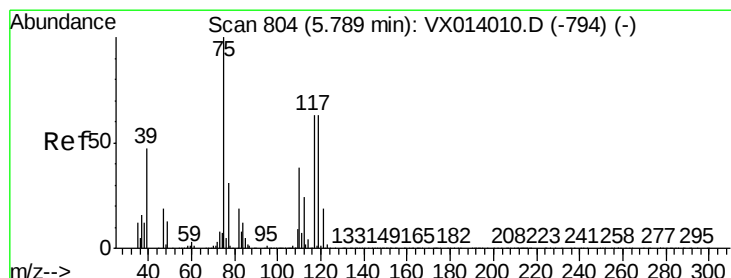
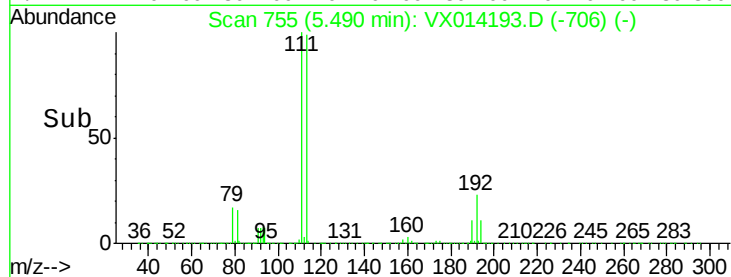
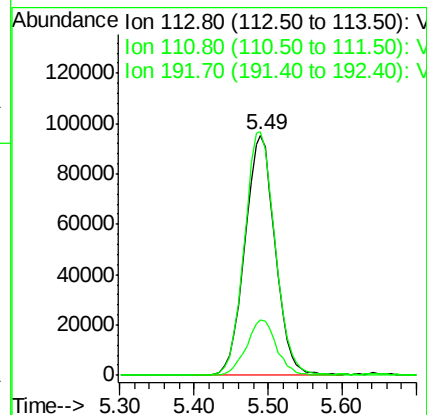
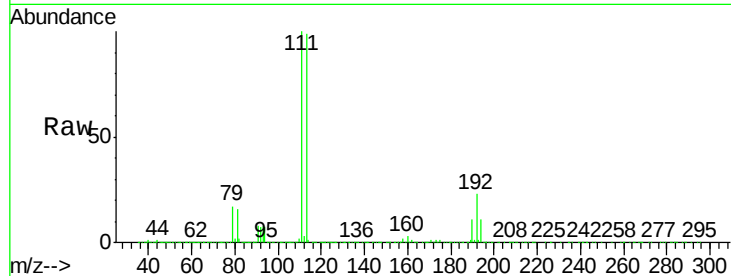
Instrument :

MSVOA_X

ClientSampleId :

VX1223WBL01

Tgt Ion:	113	Resp:	272307
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	23.2	19.3	28.9



#36

1,1-Dichloropropene

Concen: 4.763 ug/l

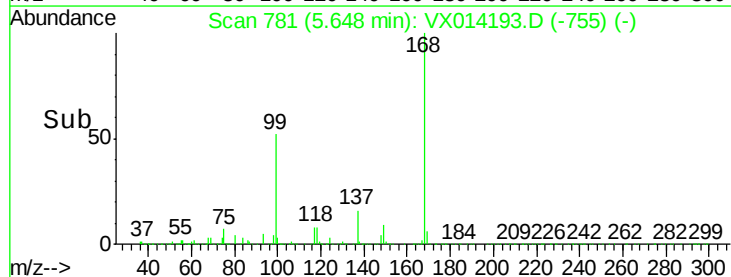
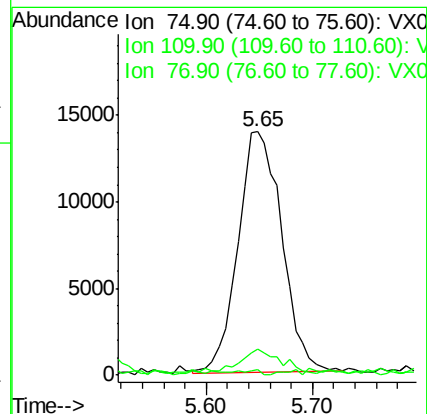
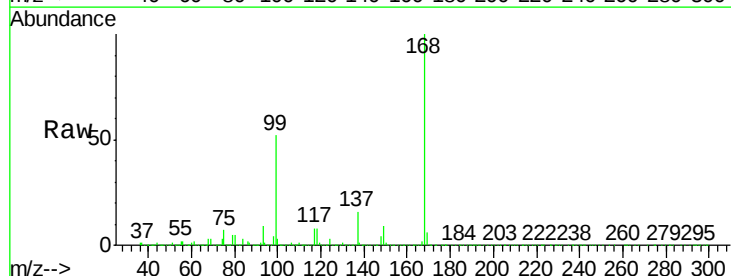
RT: 5.65 min Scan# 781

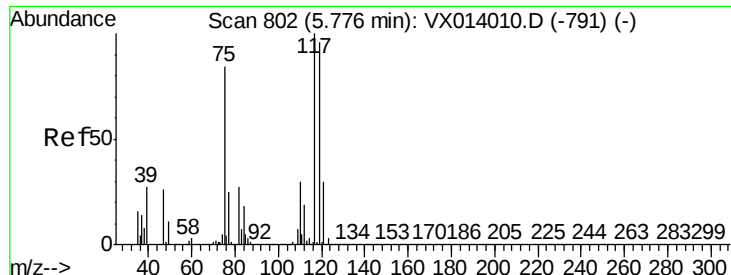
Delta R.T. -0.14 min

Lab File: VX014193.D

Acq: 23 Dec 2019 11:18

Tgt Ion:	75	Resp:	40038
Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.3	54.9#
77	0.8	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.724 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014193.D

Acq: 23 Dec 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX1223WBL01

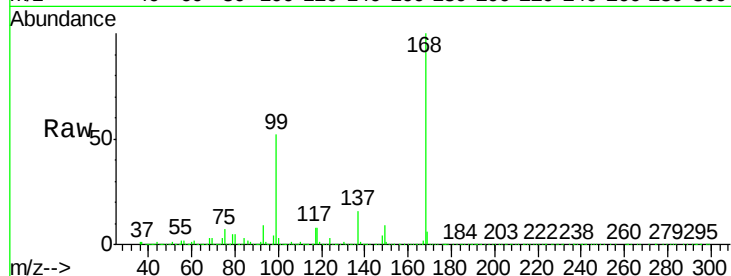
Tgt Ion: 117 Resp: 51484

Ion Ratio Lower Upper

117 100

119 8.2 76.2 114.4#

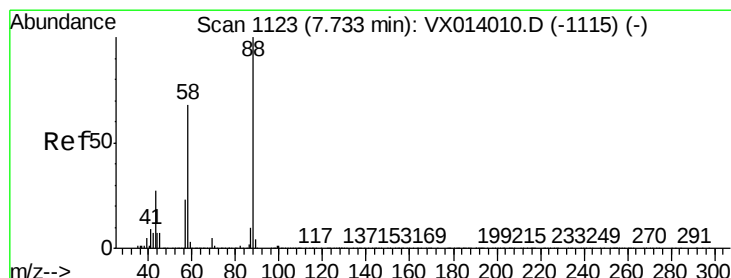
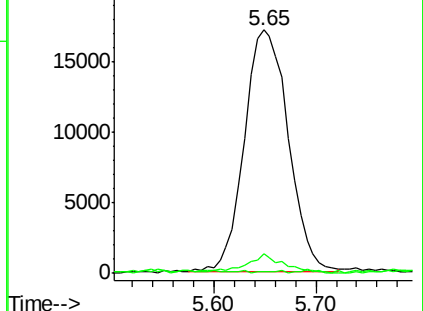
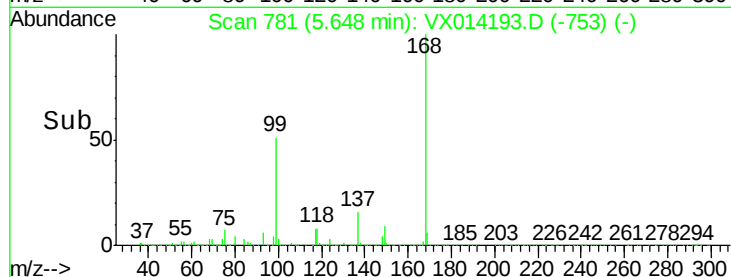
121 0.0 23.6 35.4#



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



#49

1,4-Dioxane

Concen: 0.921 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014193.D

Acq: 23 Dec 2019 11:18

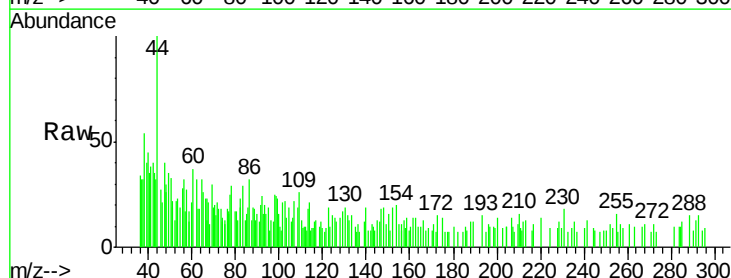
Tgt Ion: 88 Resp: 141

Ion Ratio Lower Upper

88 100

43 129.8 26.5 39.7#

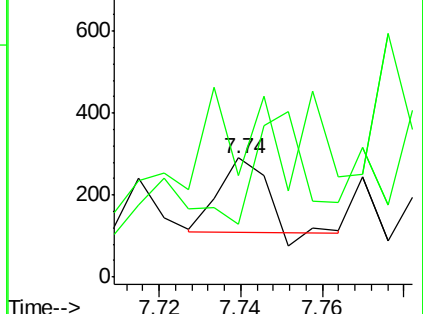
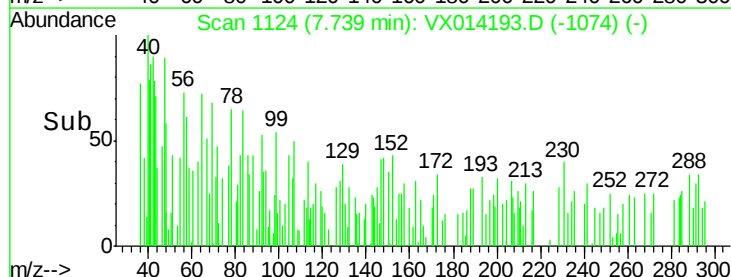
58 160.3 56.8 85.2#

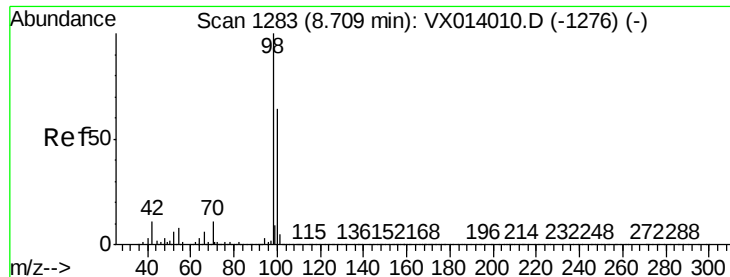


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.713 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014193.D

Acq: 23 Dec 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

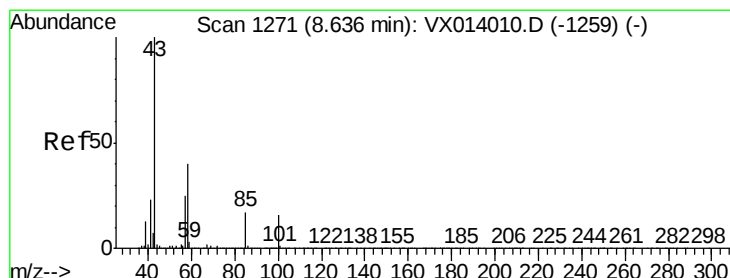
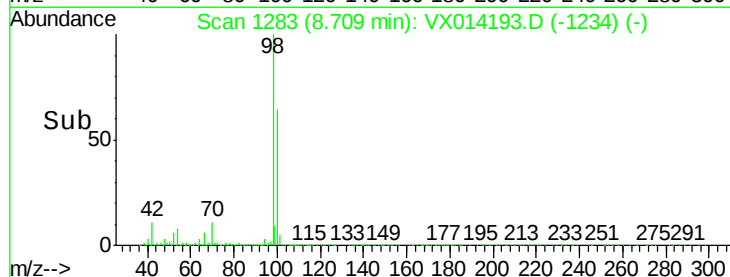
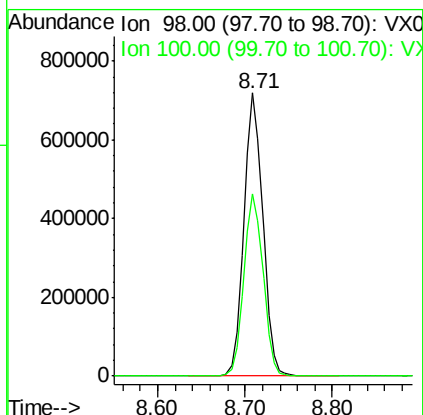
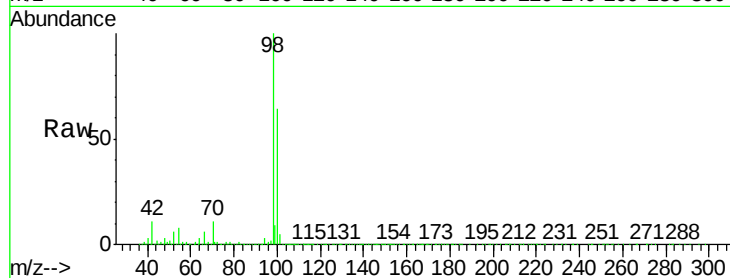
VX1223WBL01

Tgt Ion: 98 Resp: 1077802

Ion Ratio Lower Upper

98 100

100 65.4 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 0.261 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014193.D

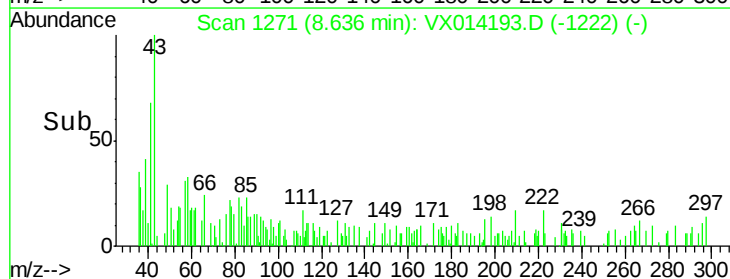
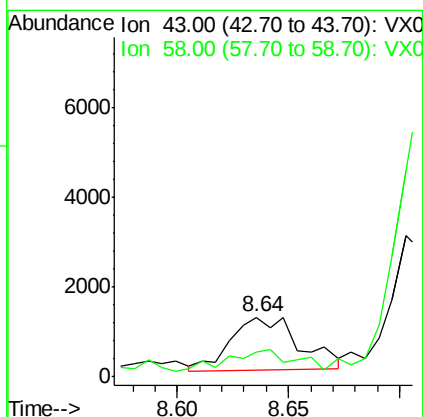
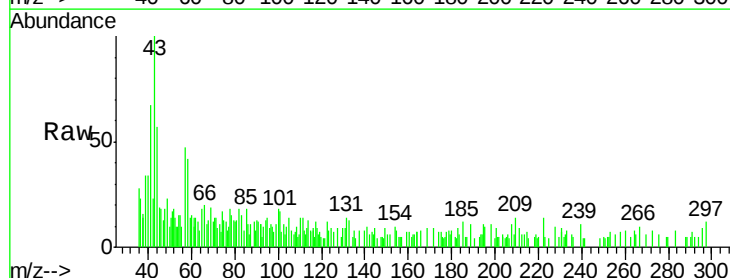
Acq: 23 Dec 2019 11:18

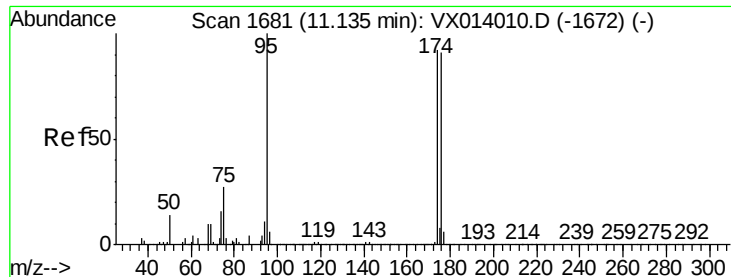
Tgt Ion: 43 Resp: 2515

Ion Ratio Lower Upper

43 100

58 39.0 32.2 48.2





#62

4-Bromofluorobenzene

Concen: 46.754 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014193.D

Acq: 23 Dec 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX1223WBL01

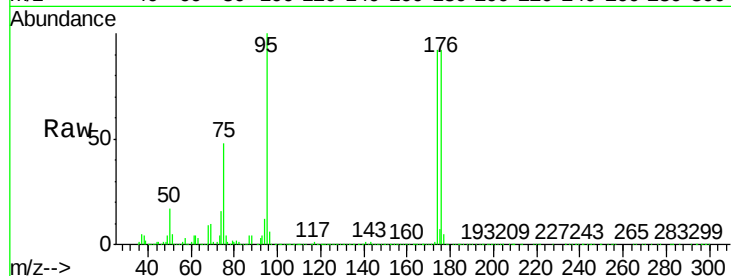
Tgt Ion: 95 Resp: 370534

Ion Ratio Lower Upper

95 100

174 88.9 0.0 175.8

176 85.7 0.0 173.0

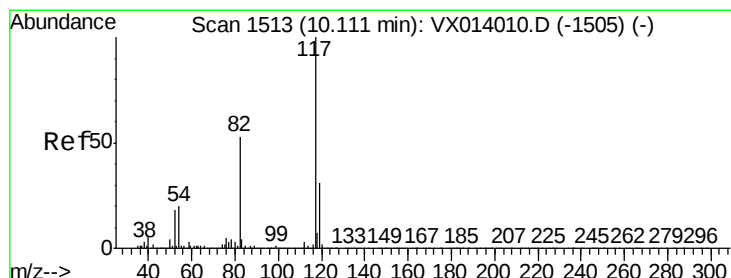
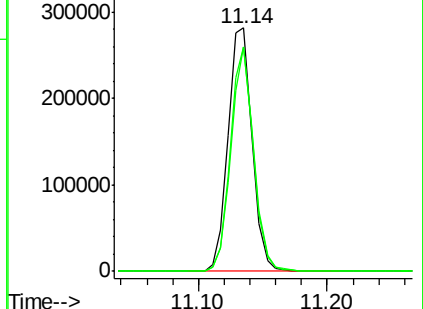
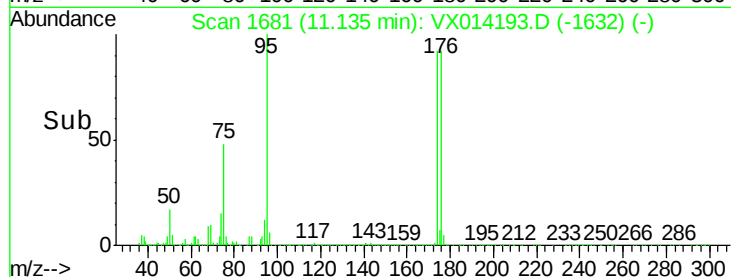


Abundance Ion 94.90 (94.60 to 95.60): VX014010.D (-1672) (-)

Ion 173.80 (173.50 to 174.50): VX014010.D (-1672) (-)

Ion 175.80 (175.50 to 176.50): VX014010.D (-1672) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014193.D

Acq: 23 Dec 2019 11:18

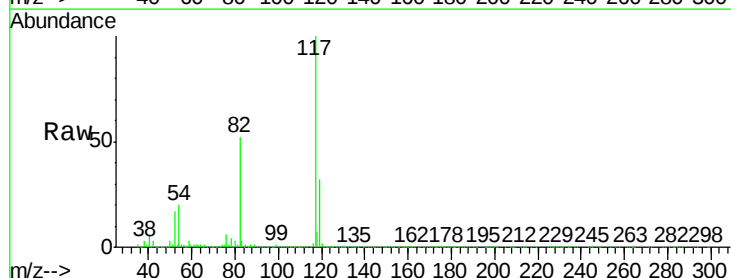
Tgt Ion: 117 Resp: 816341

Ion Ratio Lower Upper

117 100

82 52.2 42.2 63.4

119 32.1 25.1 37.7

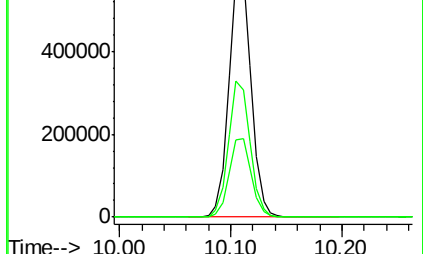
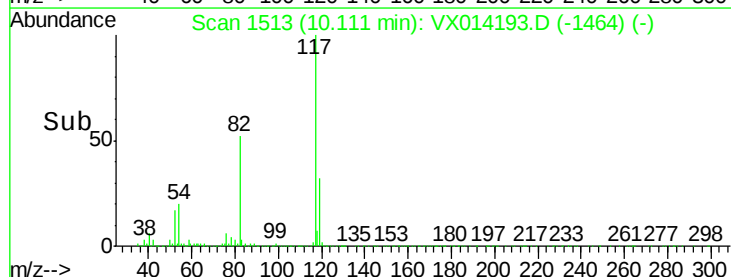


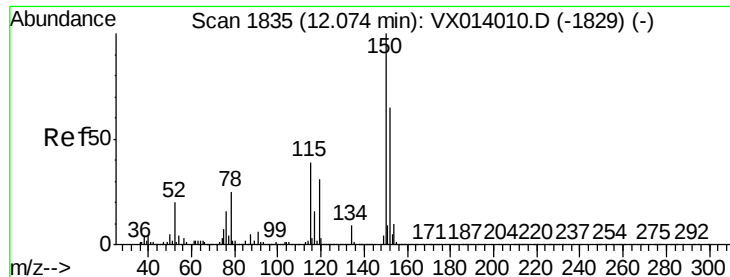
Abundance Ion 116.90 (116.60 to 117.60): VX014010.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX014010.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX014010.D (-1505) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014193.D

Acq: 23 Dec 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX1223WBL01

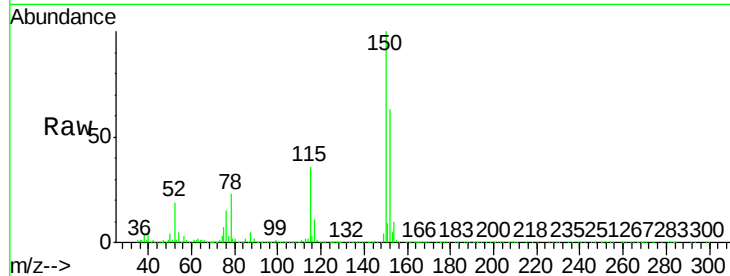
Tgt Ion: 152 Resp: 370689

Ion Ratio Lower Upper

152 100

115 55.9 38.3 114.9

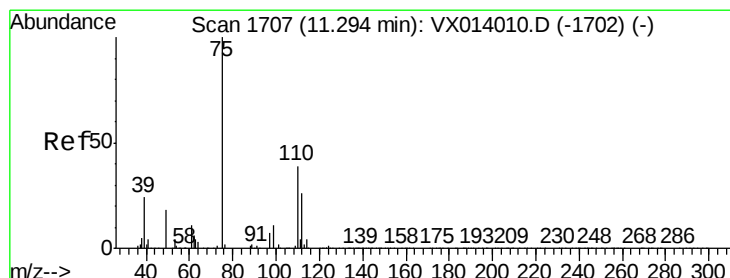
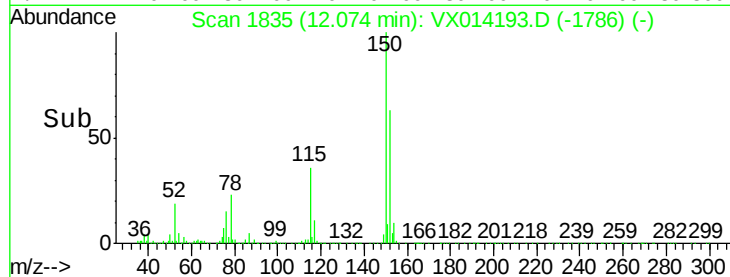
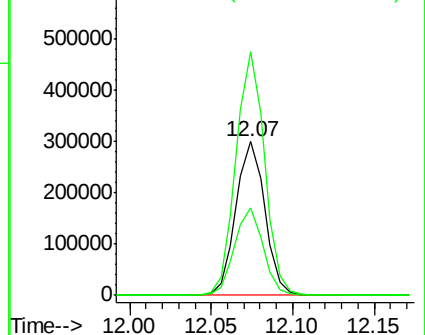
150 156.9 0.0 345.4



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: 22.296 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014193.D

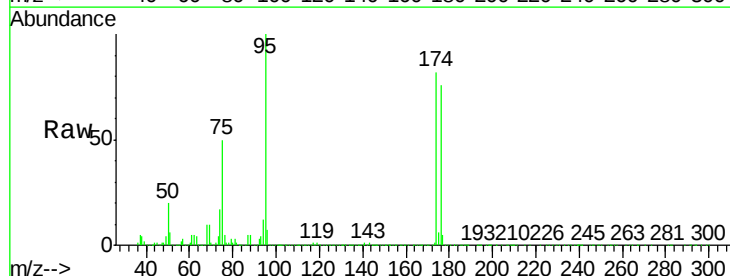
Acq: 23 Dec 2019 11:18

Tgt Ion: 75 Resp: 179433

Ion Ratio Lower Upper

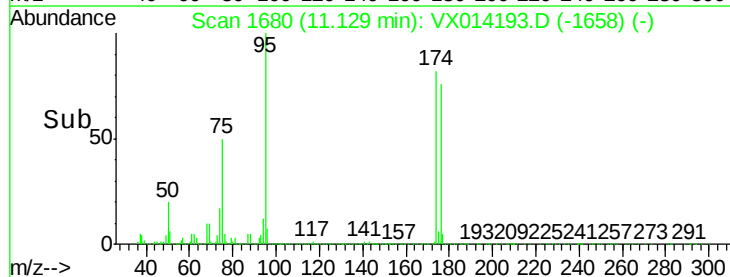
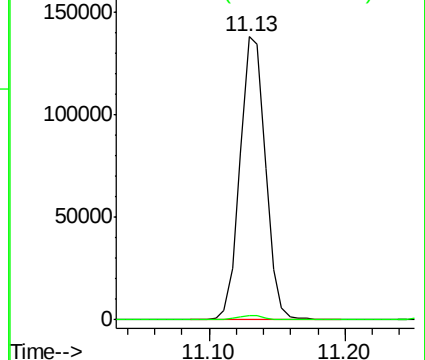
75 100

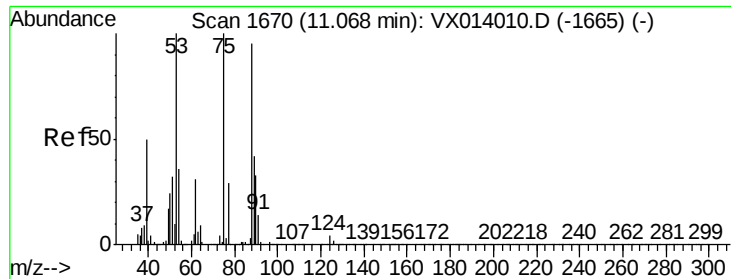
77 1.5 19.3 57.8#



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: 62.932 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014193.D

Acq: 23 Dec 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX1223WBL01

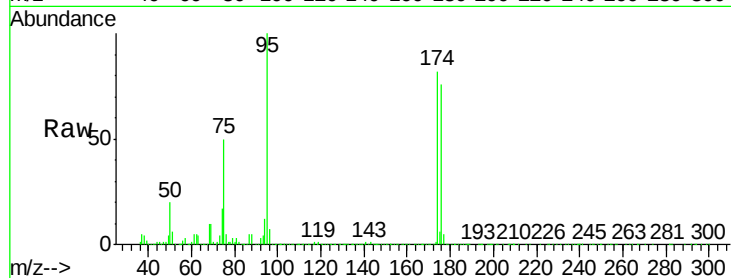
Tgt Ion: 75 Resp: 179433

Ion Ratio Lower Upper

75 100

53 0.1 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

