

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121619\
 Data File : VX014024.D
 Acq On : 16 Dec 2019 10:40
 Operator : JC/SP
 Sample : VX1216WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1216WBL01

Quant Time: Dec 17 03:25:07 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	608956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	922533	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	816939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	347550	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	339002	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
35) Dibromofluoromethane	5.48	113	278134	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
50) Toluene-d8	8.71	98	1092279	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	11.13	95	361614	45.31	ug/l	0.00
Spiked Amount			Recovery	=	90.62%	

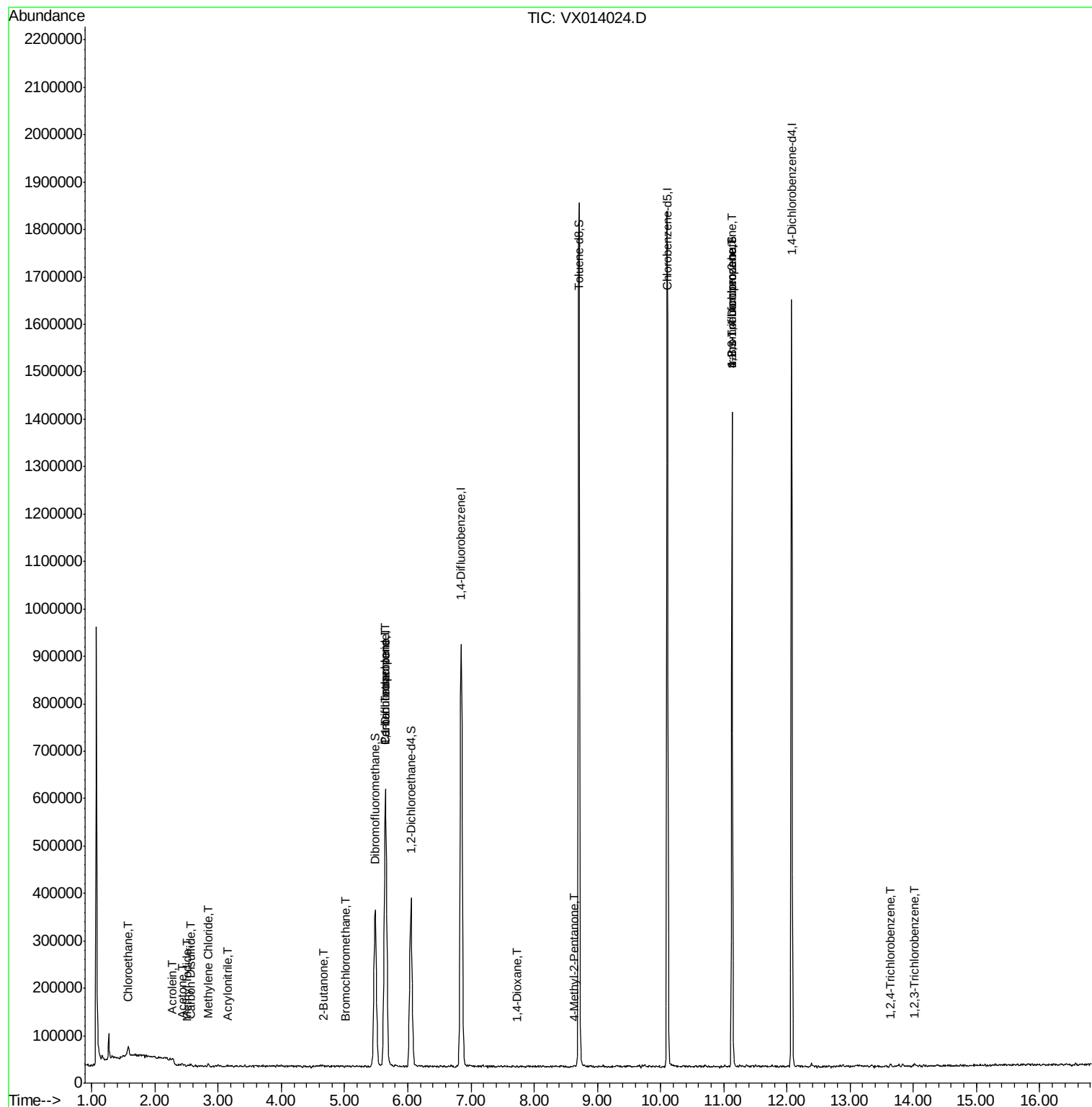
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.58	64	17260	3.625	ug/l #	62
10) Methyl Iodide	2.50	142	530	2.687	ug/l #	74
13) Acrolein	2.27	56	480	0.562	ug/l #	1
15) Acrylonitrile	3.15	53	1042	0.299	ug/l #	17
16) Acetone	2.43	43	7883	1.759	ug/l #	88
17) Carbon Disulfide	2.56	76	4295	1.010	ug/l #	81
20) Methylene Chloride	2.85	84	3885	0.551	ug/l #	61
25) 2-Butanone	4.67	43	1794	0.325	ug/l #	86
28) Bromochloromethane	5.01	49	703	0.610	ug/l #	81
36) 1,1-Dichloropropene	5.64	75	40950	4.838	ug/l #	52
38) Carbon Tetrachloride	5.65	117	51873	6.727	ug/l #	16
49) 1,4-Dioxane	7.74	88	263	1.706	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	2348	0.242	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	176283	23.363	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	176283	65.944	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.65	180	1818	0.235	ug/l	83
96) 1,2,3-Trichlorobenzene	14.02	180	1806	0.237	ug/l	86

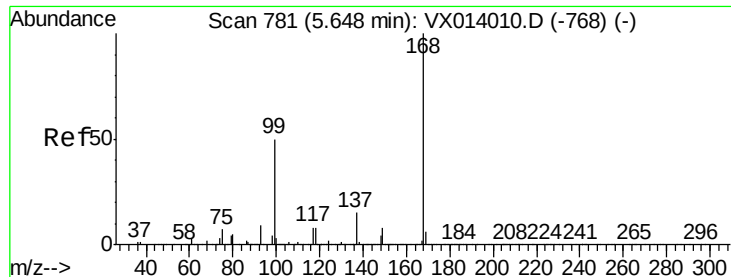
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX014024.D

Acq: 16 Dec 2019 10:40

Instrument :

MSVOA_X

ClientSampleId :

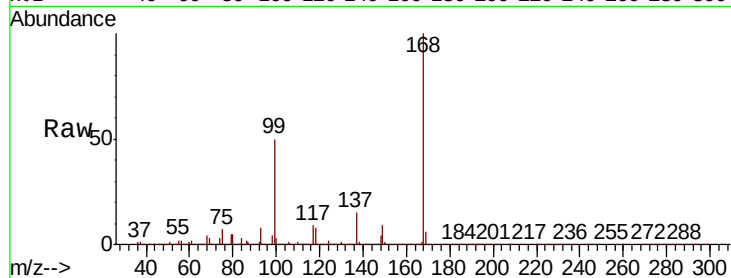
VX1216WBL01

Tot Ion:168 Resp: 608956

Ion Ratio Lower Upper

168 100

99 50.2 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): VX014010.D (-768) (-)

Ion 98.90 (98.60 to 99.60): VX014010.D (-768) (-)

5.65

250000

200000

150000

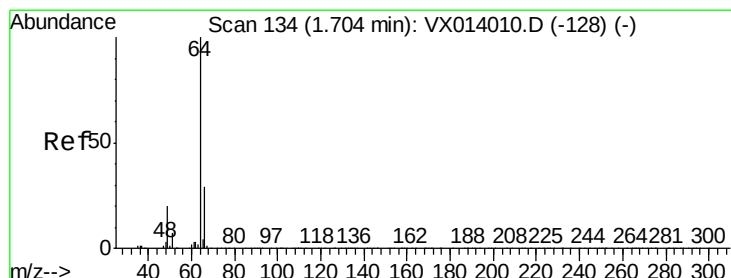
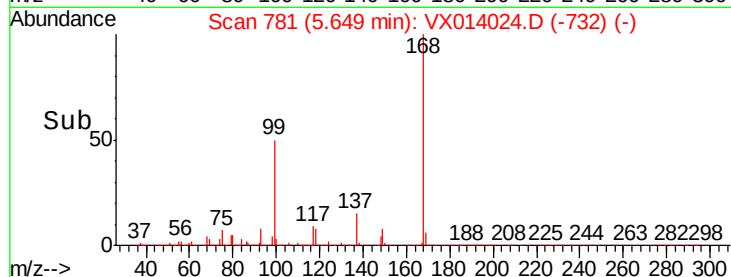
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 3.625 ug/l

RT: 1.58 min Scan# 113

Delta R.T. -0.13 min

Lab File: VX014024.D

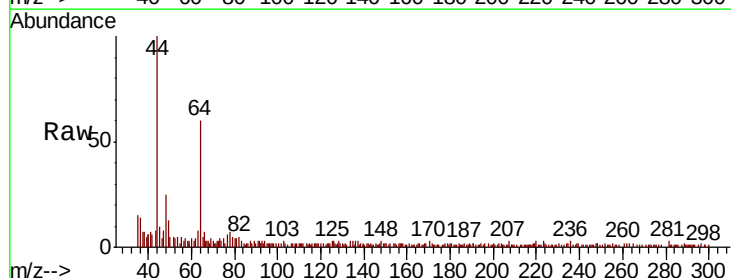
Acq: 16 Dec 2019 10:40

Tgt Ion: 64 Resp: 17260

Ion Ratio Lower Upper

64 100

66 8.9 23.4 35.2#



Abundance Ion 63.90 (63.60 to 64.60): VX014010.D (-128) (-)

Ion 65.90 (65.60 to 66.60): VX014010.D (-128) (-)

1.58

6000

5000

4000

3000

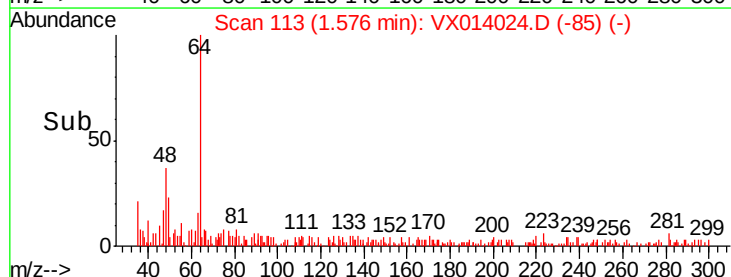
2000

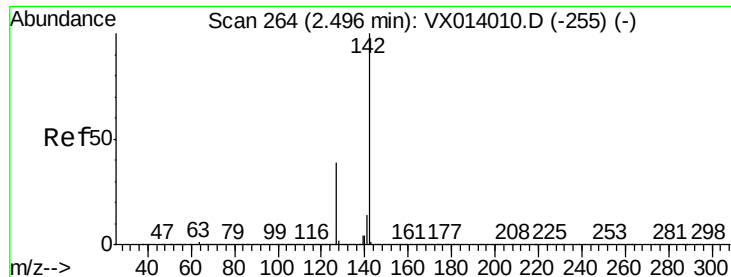
1000

0

Time-->

1.40 1.50 1.60





#10

Methvl Iodide

Concen: 2.687 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX014024.D

Acq: 16 Dec 2019 10:40

Instrument :

MSVOA_X

ClientSampleId :

VX1216WBL01

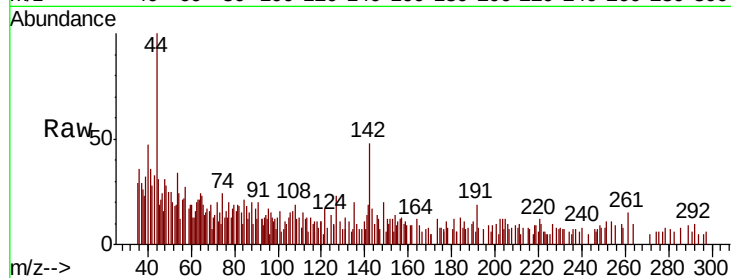
Tot Ion:142 Resp: 530

Ion Ratio Lower Upper

142 100

127 35.5 31.6 47.4

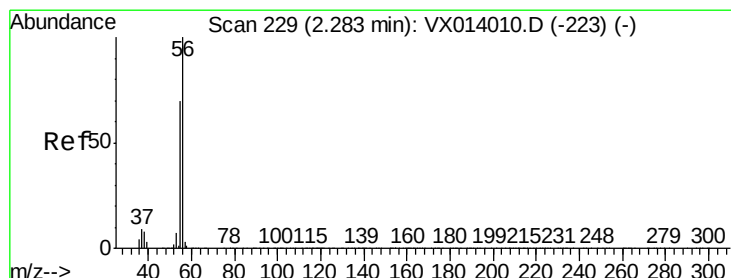
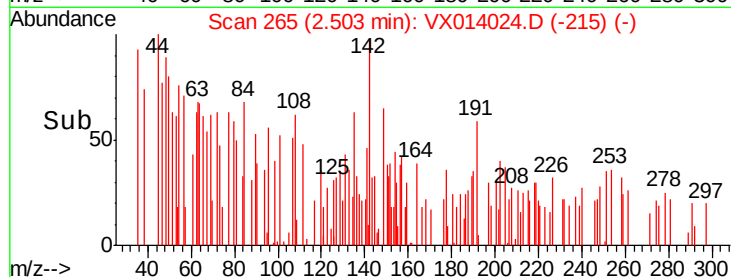
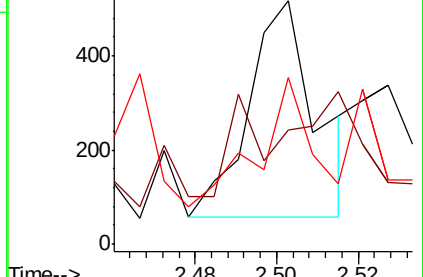
141 46.6 11.6 17.4#



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: 0.562 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.01 min

Lab File: VX014024.D

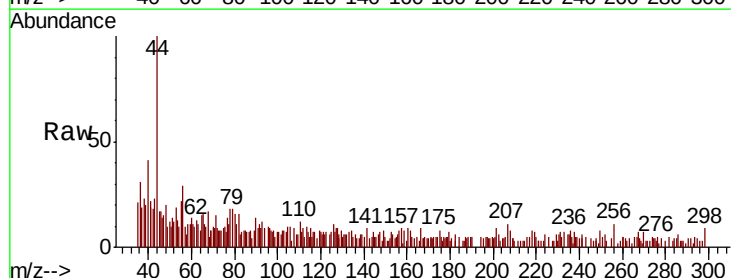
Acq: 16 Dec 2019 10:40

Tgt Ion: 56 Resp: 480

Ion Ratio Lower Upper

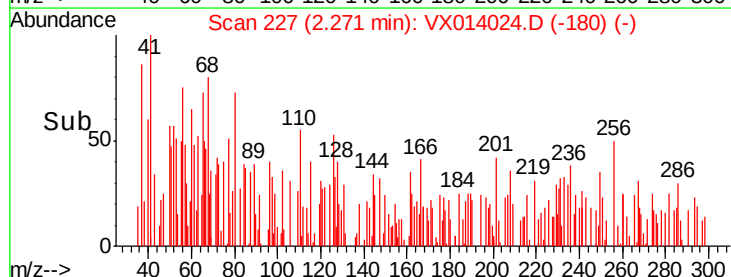
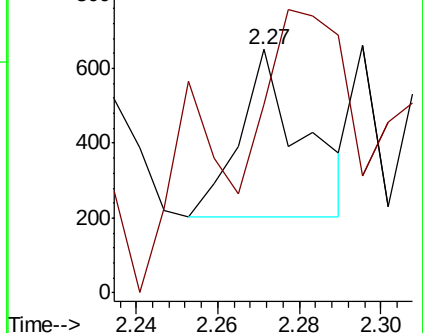
56 100

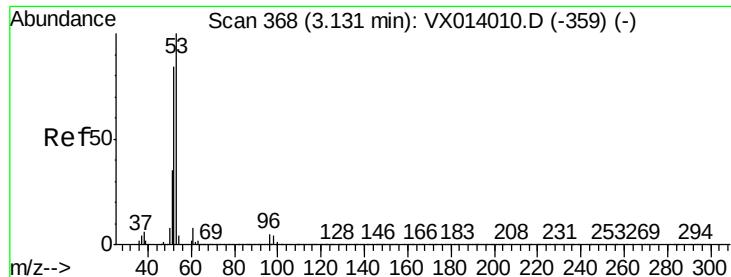
55 186.5 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.299 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.02 min

Lab File: VX014024.D

Acq: 16 Dec 2019 10:40

Instrument :

MSVOA_X

ClientSampled :

VX1216WBL01

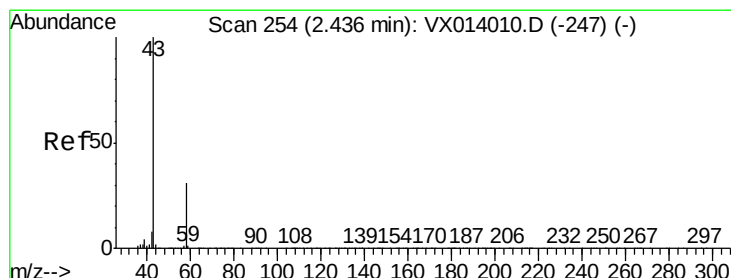
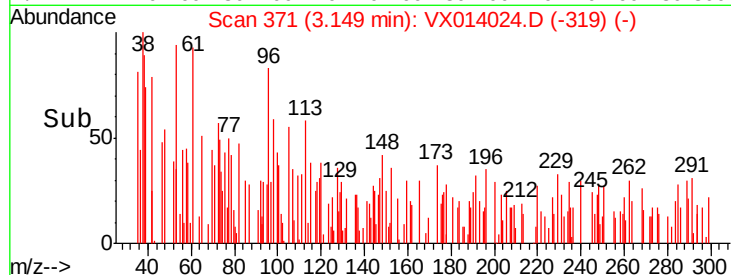
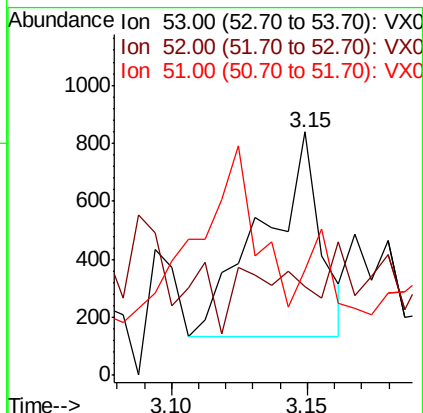
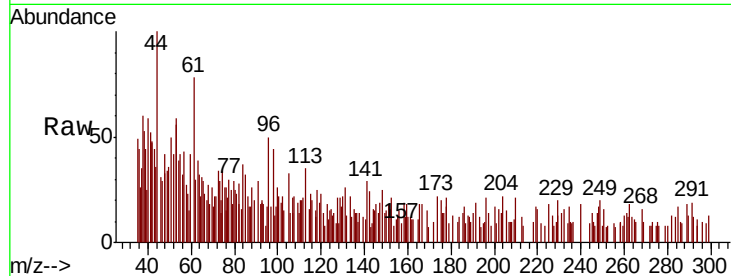
Tot Ion: 53 Resp: 1042

Ion Ratio Lower Upper

53 100

52 0.0 66.5 99.7#

51 0.0 28.1 42.1#



#16

Acetone

Concen: 1.759 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014024.D

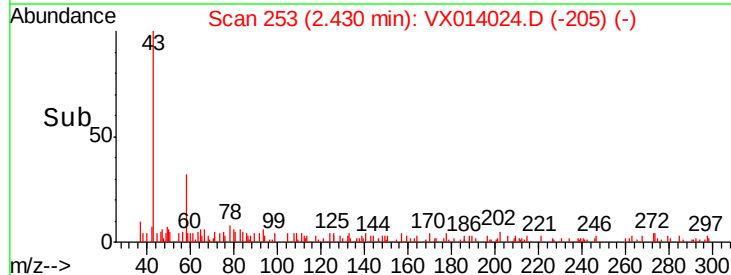
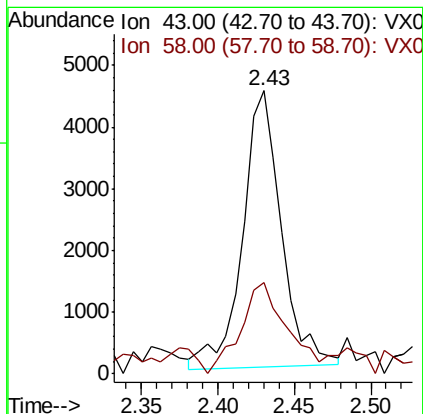
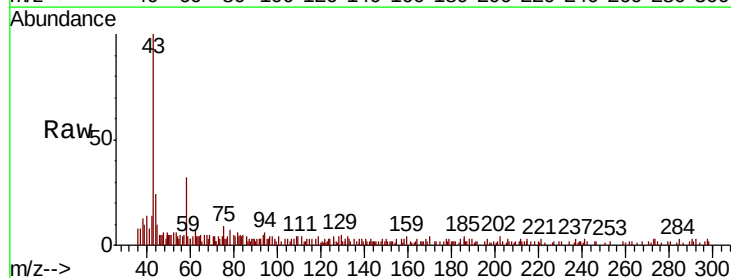
Acq: 16 Dec 2019 10:40

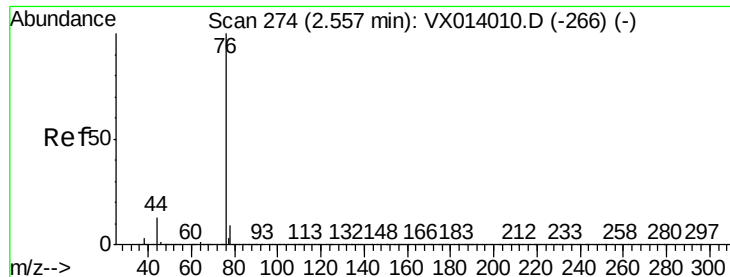
Tgt Ion: 43 Resp: 7883

Ion Ratio Lower Upper

43 100

58 24.5 24.9 37.3#





#17

Carbon Disulfide

Concen: 1.010 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014024.D

Acq: 16 Dec 2019 10:40

Instrument :

MSVOA_X

ClientSampleId :

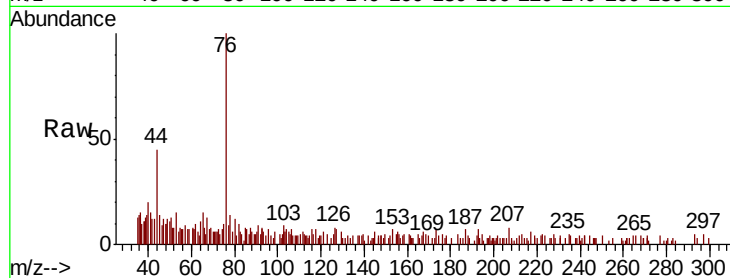
VX1216WBL01

Tot Ion: 76 Resp: 4295

Ion Ratio Lower Upper

76 100

78 2.2 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

3000

2500

2000

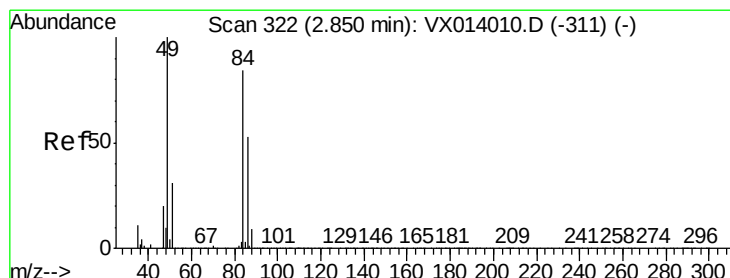
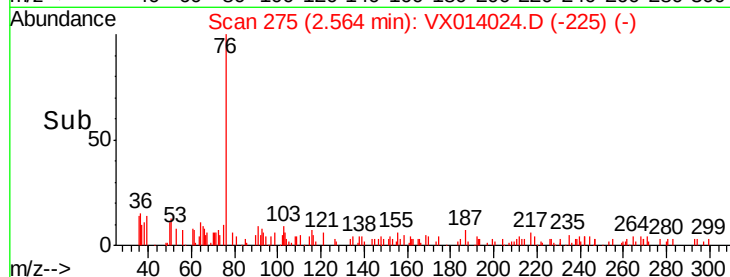
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: 0.551 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014024.D

Acq: 16 Dec 2019 10:40

Tgt Ion: 84 Resp: 3885

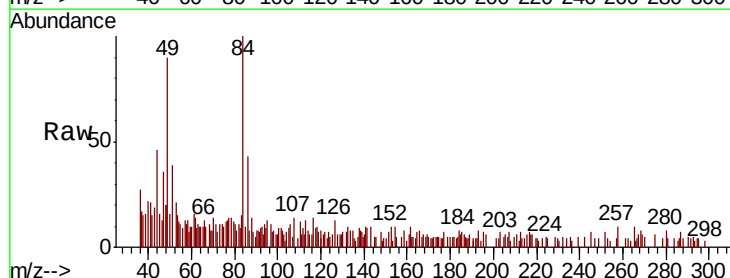
Ion Ratio Lower Upper

84 100

49 69.7 95.8 143.6#

51 25.1 29.8 44.8#

86 32.2 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

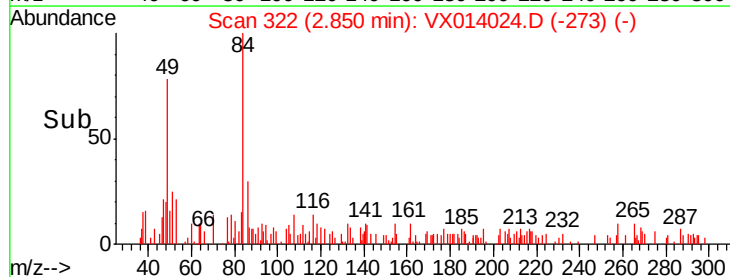
3000

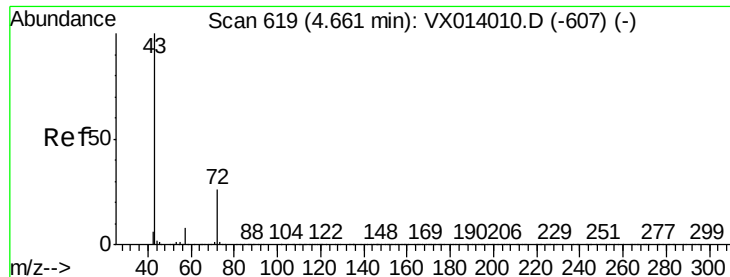
2000

1000

0

Time-->





#25

2-Butanone

Concen: 0.325 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX014024.D

Acq: 16 Dec 2019 10:40

Instrument :

MSVOA_X

ClientSampleId :

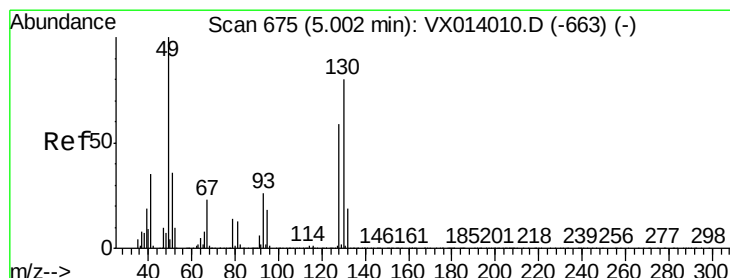
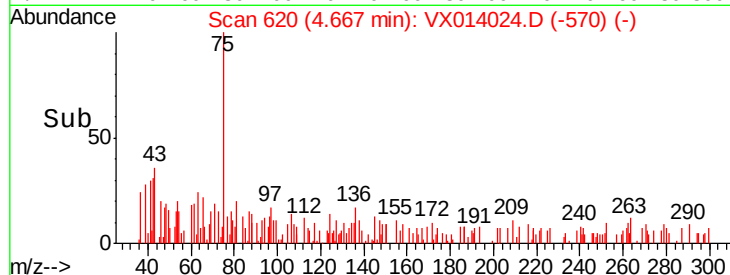
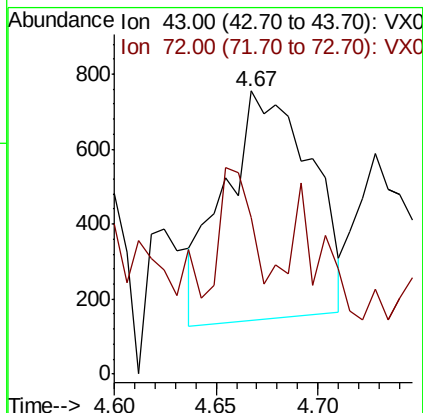
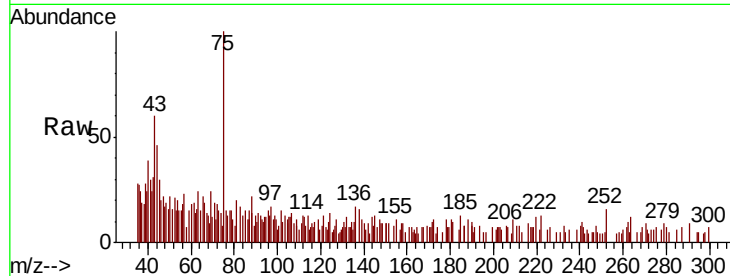
VX1216WBL01

Tot Ion: 43 Resp: 1794

Ion Ratio Lower Upper

43 100

72 19.1 21.0 31.4#



#28

Bromochloromethane

Concen: 0.610 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014024.D

Acq: 16 Dec 2019 10:40

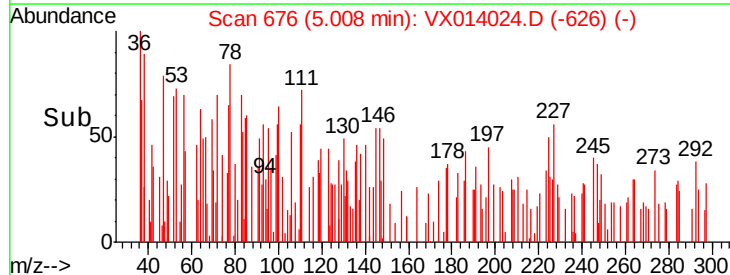
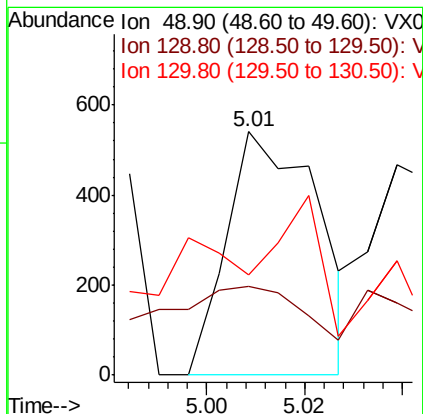
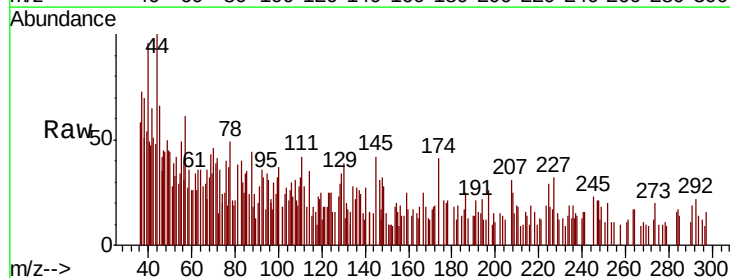
Tgt Ion: 49 Resp: 703

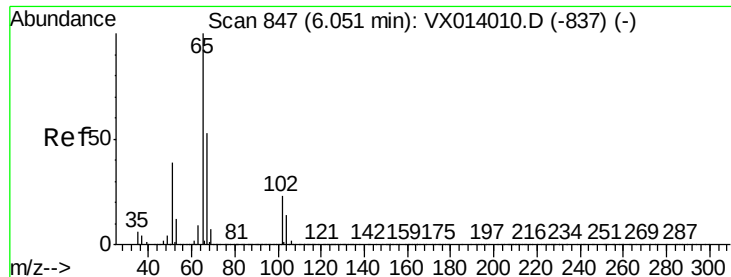
Ion Ratio Lower Upper

49 100

129 67.4 0.0 5.0#

130 93.3 64.6 97.0





#33

1,2-Dichloroethane-d4

Concen: 49.119 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014024.D

Acq: 16 Dec 2019 10:40

Instrument :

MSVOA_X

ClientSampleId :

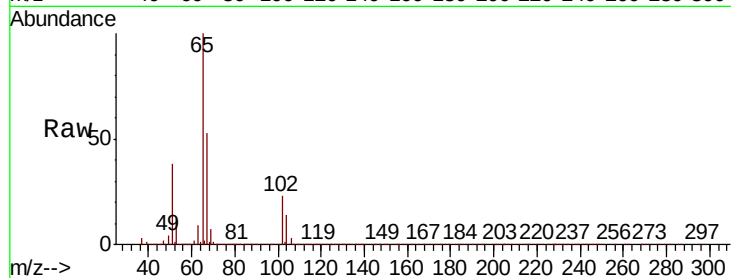
VX1216WBL01

Tot Ion: 65 Resp: 339002

Ion Ratio Lower Upper

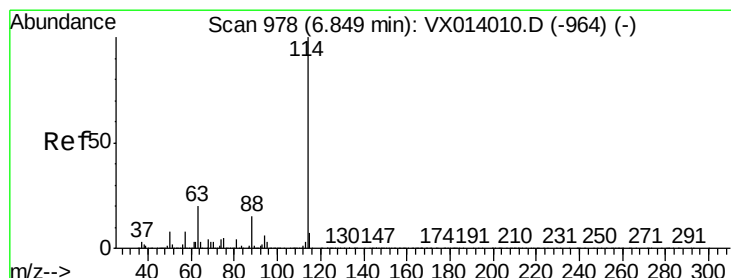
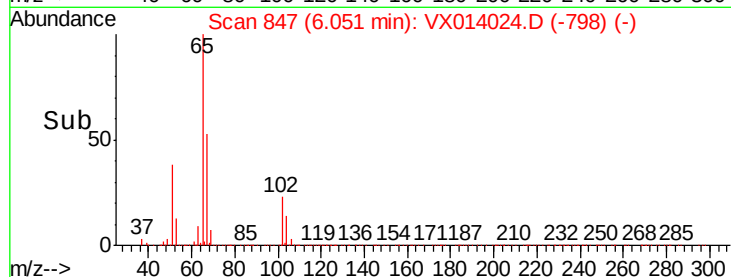
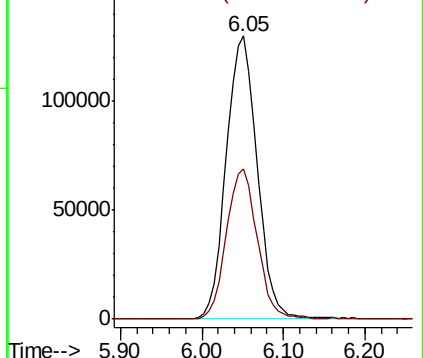
65 100

67 52.5 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014024.D

Acq: 16 Dec 2019 10:40

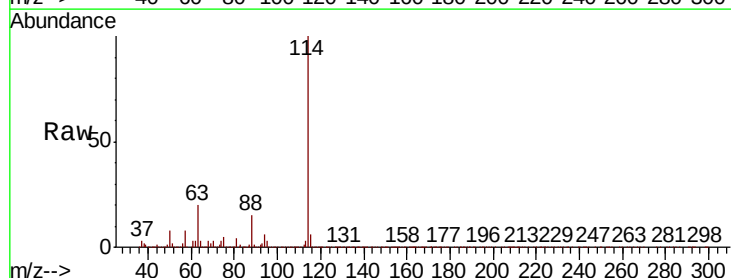
Tgt Ion: 114 Resp: 922533

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

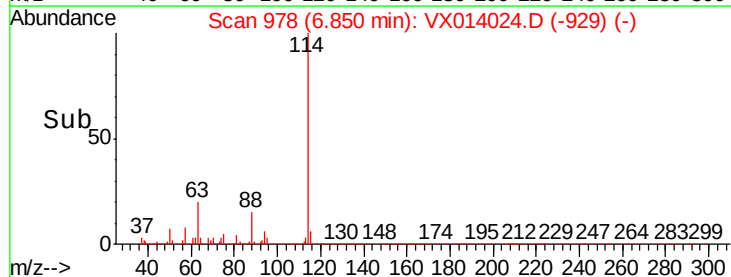
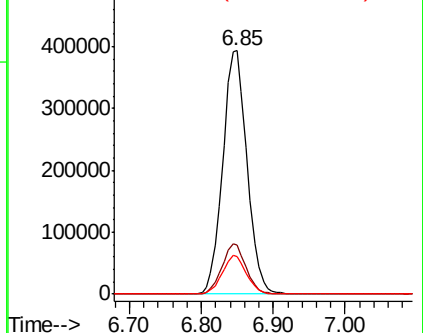
88 15.3 0.0 30.4

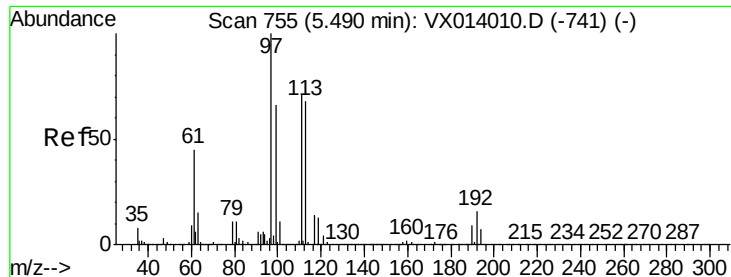


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

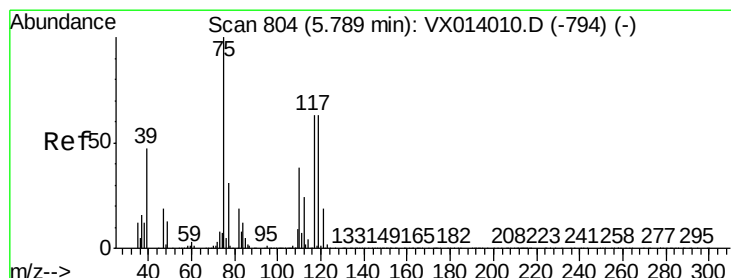
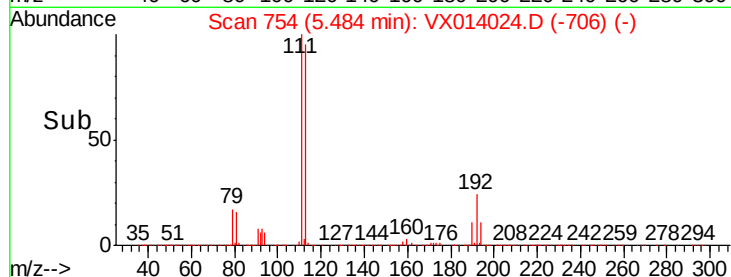
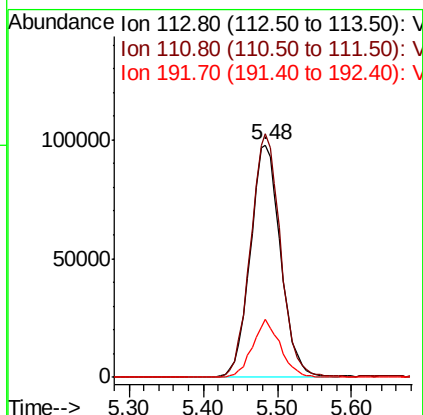
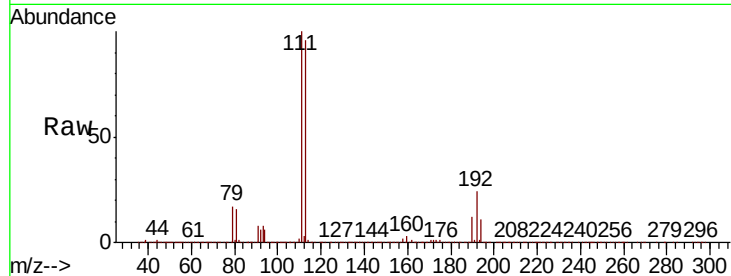




#35
 Dibromofluoromethane
 Concen: 49.596 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX014024.D
 Acq: 16 Dec 2019 10:40

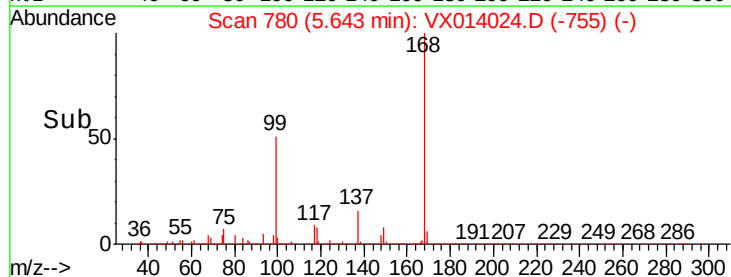
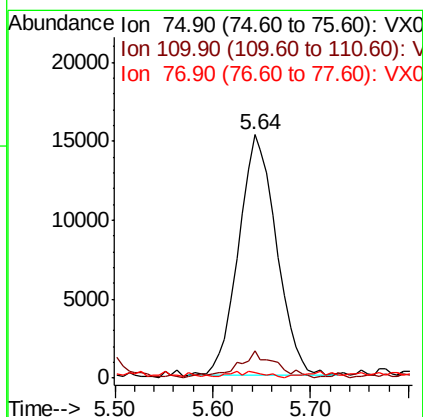
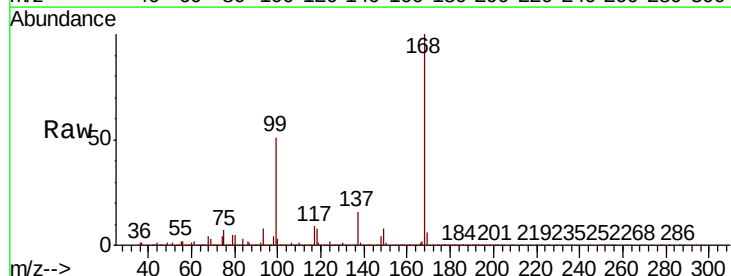
Instrument :
 MSVOA_X
 ClientSampled :
 VX1216WBL01

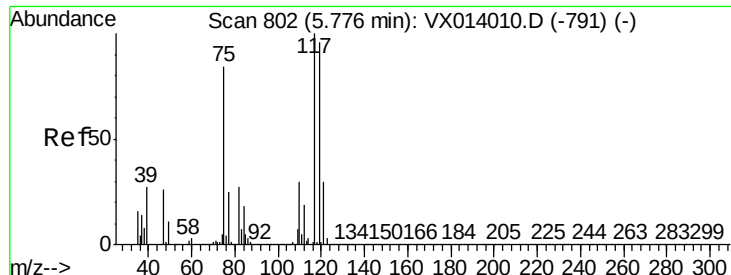
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.0	123.0
192	22.9	19.3	28.9



#36
 1,1-Dichloropropene
 Concen: 4.838 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX014024.D
 Acq: 16 Dec 2019 10:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.6	18.3	54.9#
77	0.7	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.727 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014024.D

Acq: 16 Dec 2019 10:40

Instrument :

MSVOA_X

ClientSampleId :

VX1216WBL01

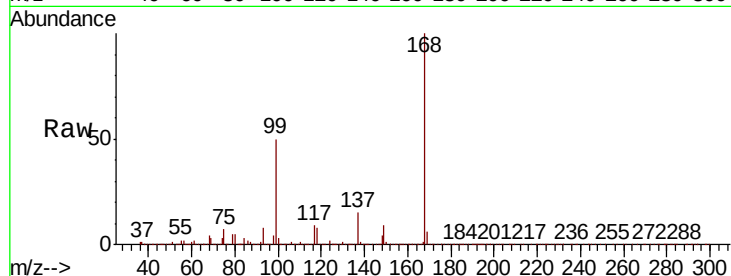
Tot Ion:117 Resp: 51873

Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.4#

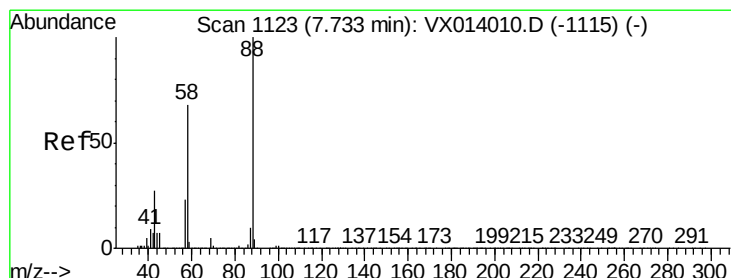
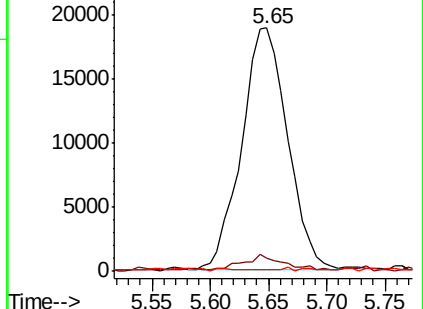
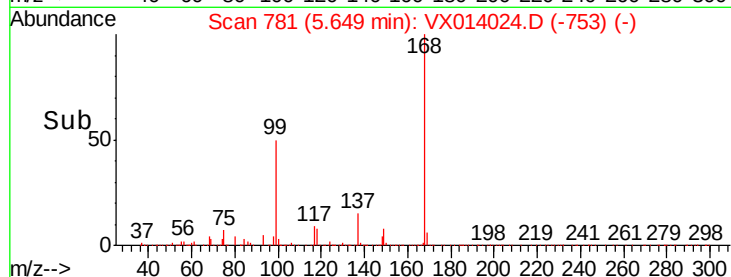
121 0.0 23.6 35.4#



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: 1.706 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014024.D

Acq: 16 Dec 2019 10:40

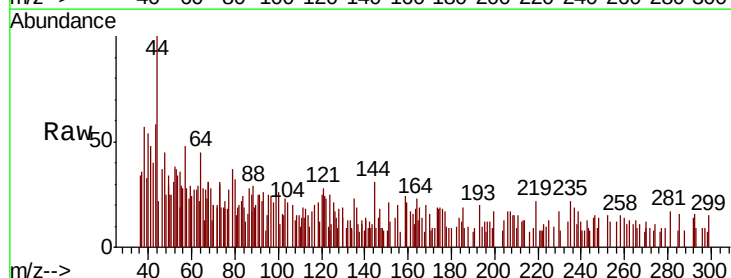
Tgt Ion: 88 Resp: 263

Ion Ratio Lower Upper

88 100

43 214.4 26.5 39.7#

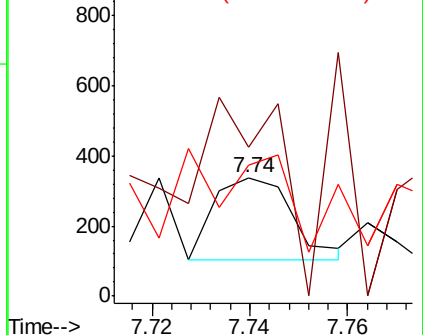
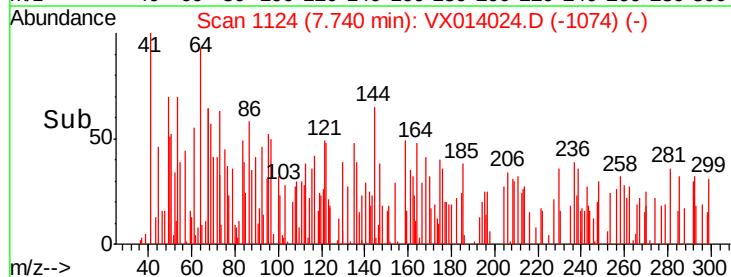
58 47.9 56.8 85.2#

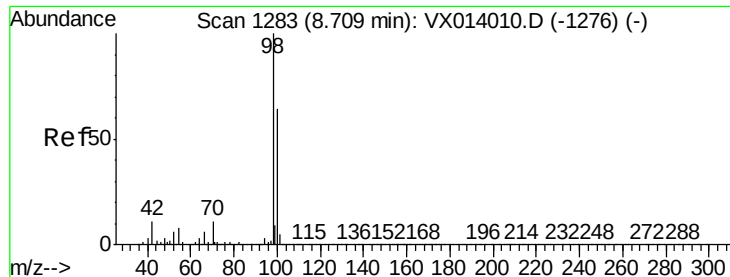


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.028 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014024.D

Acq: 16 Dec 2019 10:40

Instrument :

MSVOA_X

ClientSampleId :

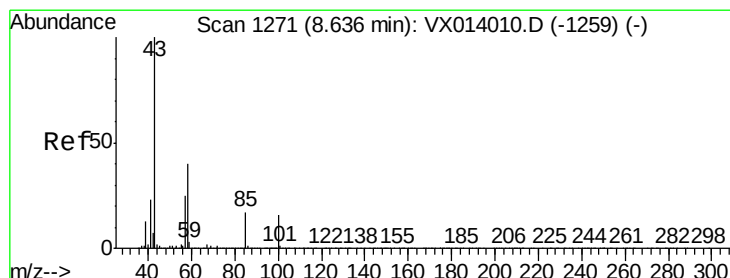
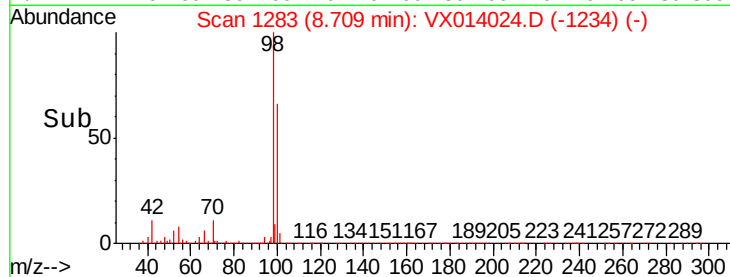
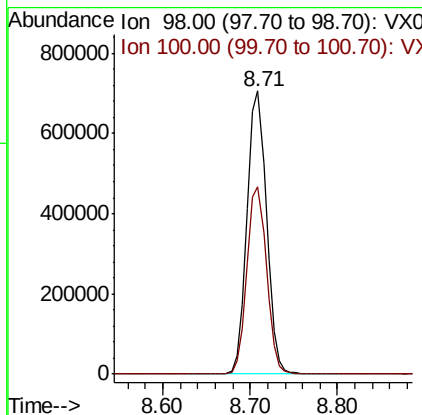
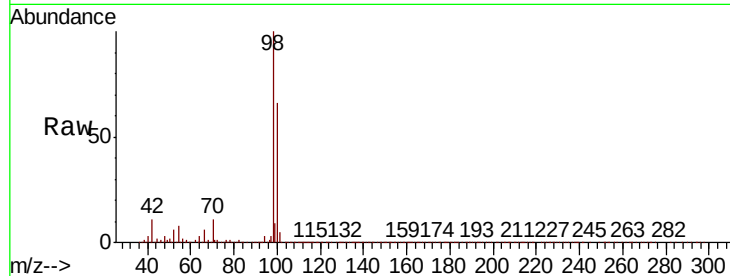
VX1216WBL01

Tot Ion: 98 Resp: 1092279

Ion Ratio Lower Upper

98 100

100 66.4 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 0.242 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014024.D

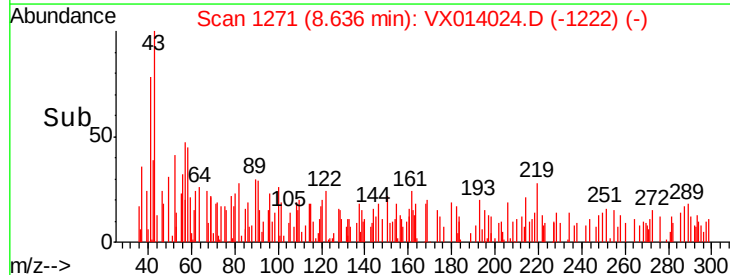
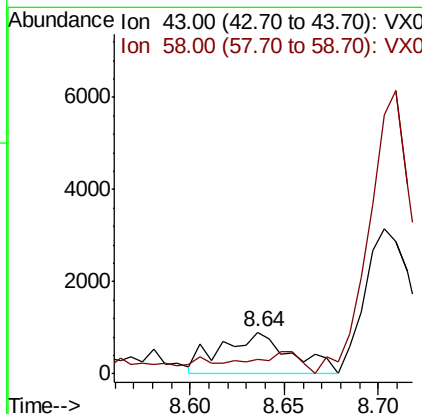
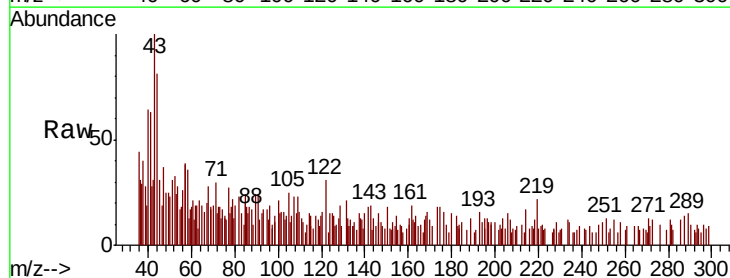
Acq: 16 Dec 2019 10:40

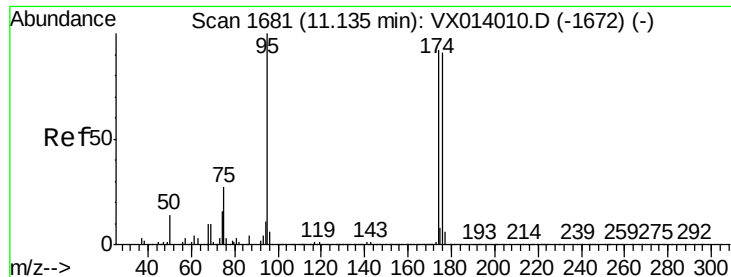
Tgt Ion: 43 Resp: 2348

Ion Ratio Lower Upper

43 100

58 36.9 32.2 48.2





#62

4-Bromofluorobenzene

Concen: 45.309 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014024.D

Acq: 16 Dec 2019 10:40

Instrument :

MSVOA_X

ClientSampleId :

VX1216WBL01

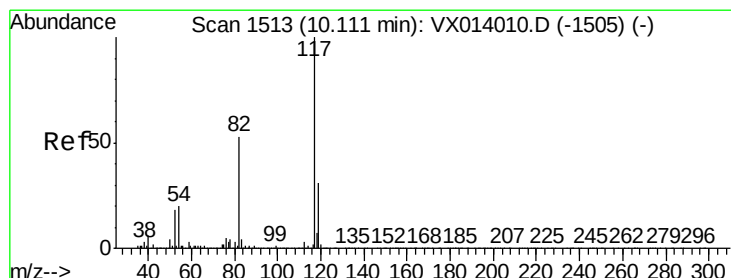
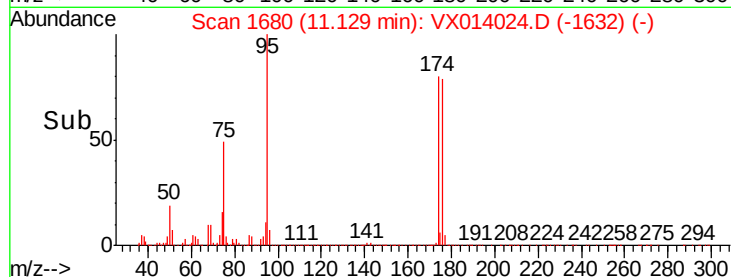
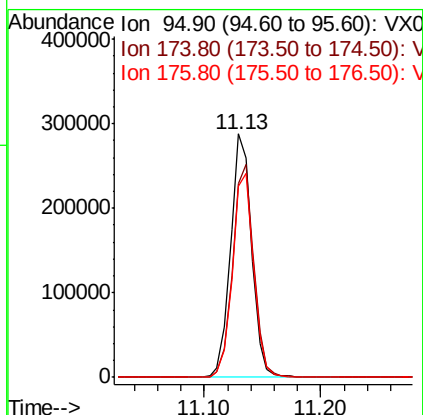
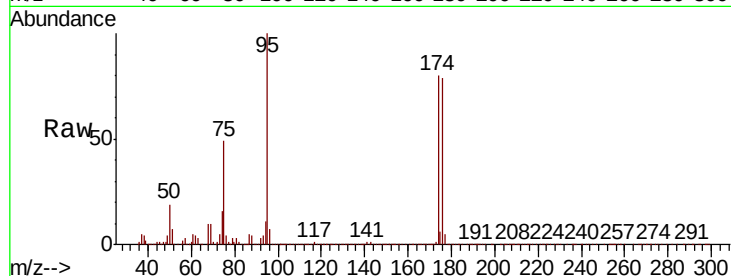
Tot Ion: 95 Resp: 361614

Ion Ratio Lower Upper

95 100

174 88.2 0.0 175.8

176 85.2 0.0 173.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014024.D

Acq: 16 Dec 2019 10:40

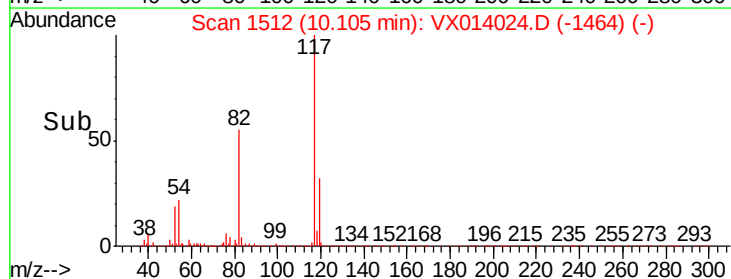
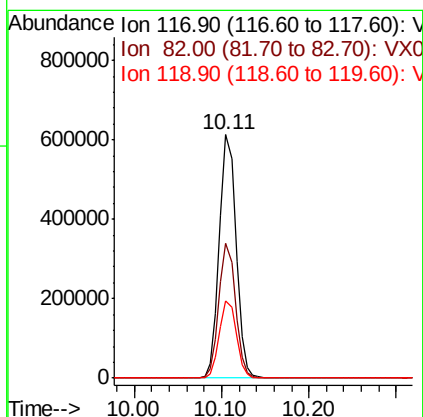
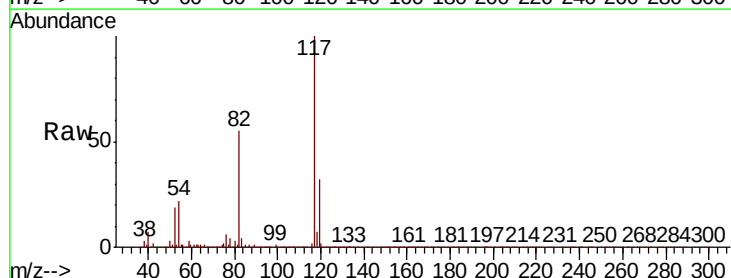
Tgt Ion: 117 Resp: 816939

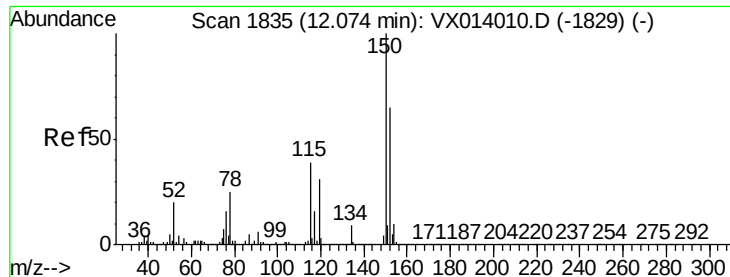
Ion Ratio Lower Upper

117 100

82 55.1 42.2 63.4

119 31.8 25.1 37.7



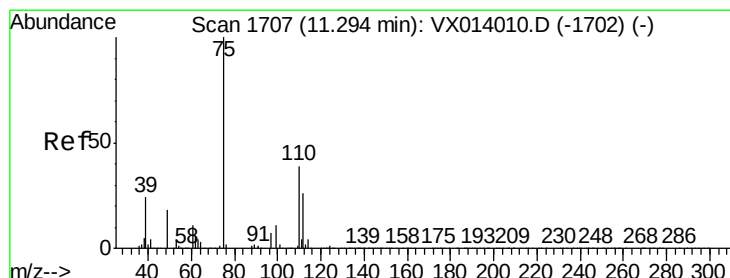
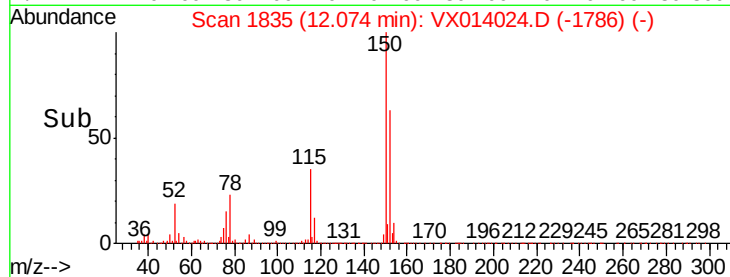
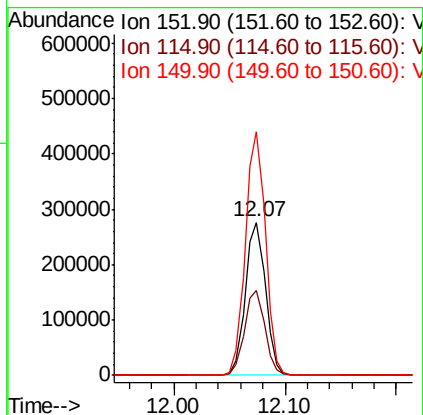
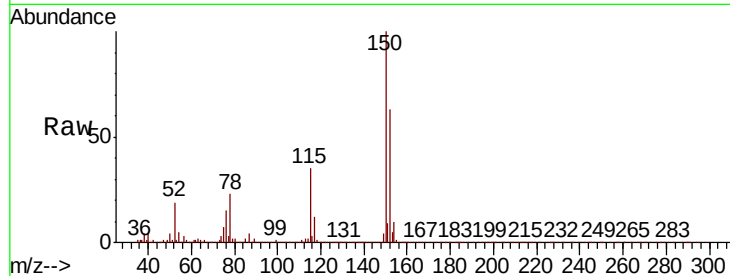


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014024.D
Acq: 16 Dec 2019 10:40

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL01

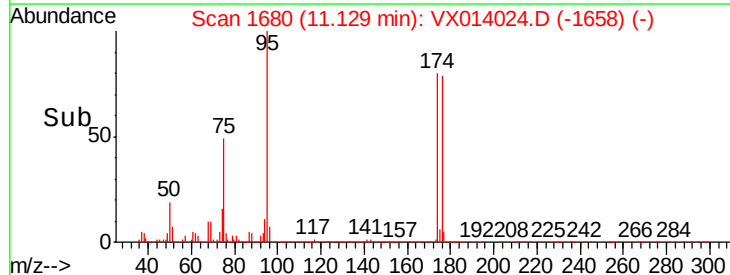
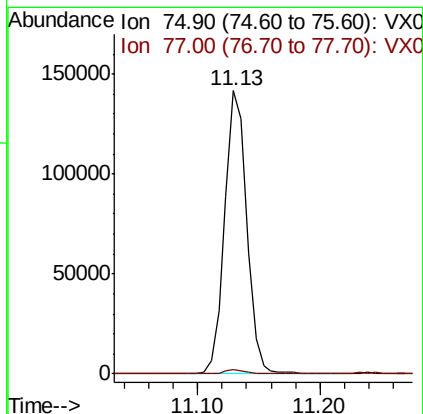
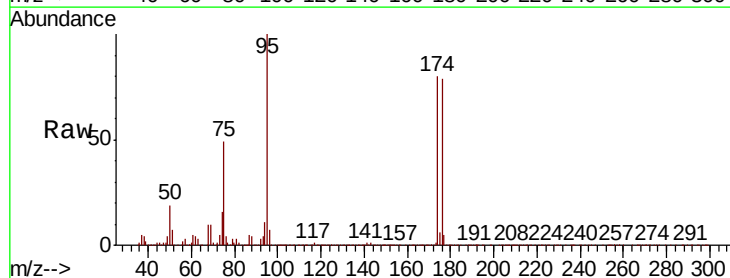
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.3	38.3	114.9
150	158.5	0.0	345.4

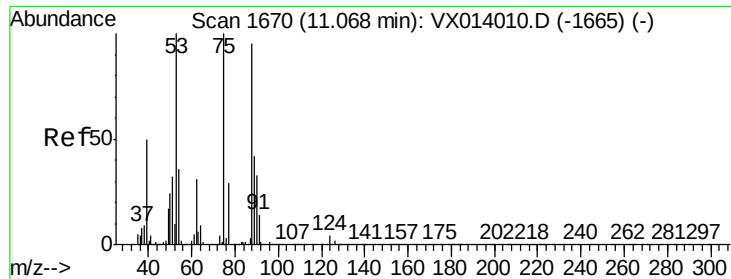


#76

1,2,3-Trichloropropane
Concen: 23.363 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014024.D
Acq: 16 Dec 2019 10:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	19.3	57.8#

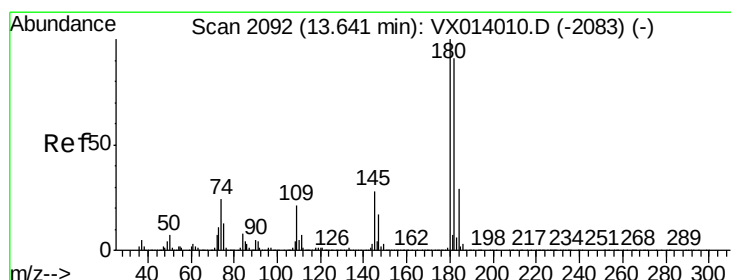
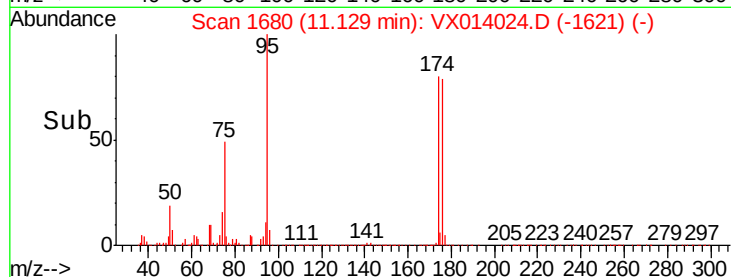
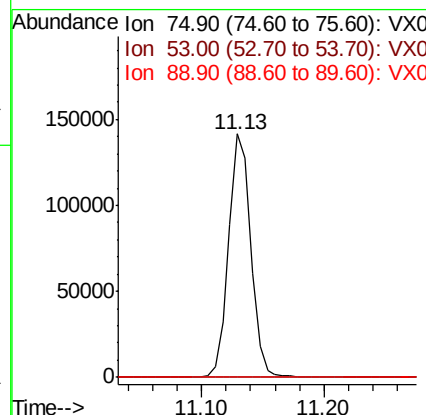
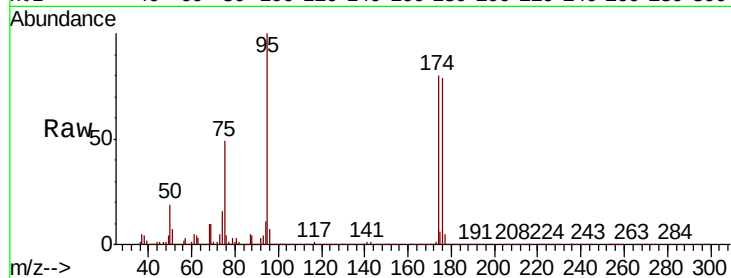




#81
trans-1,4-Dichloro-2-butene
Concen: 65.944 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014024.D
Acq: 16 Dec 2019 10:40

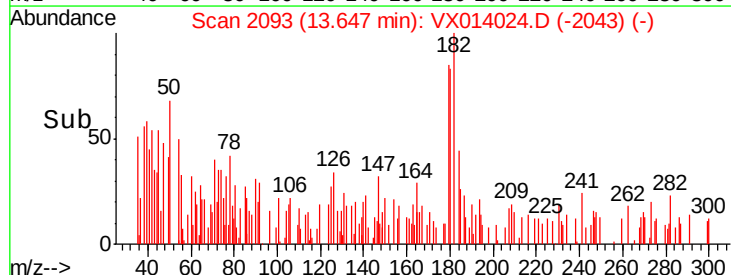
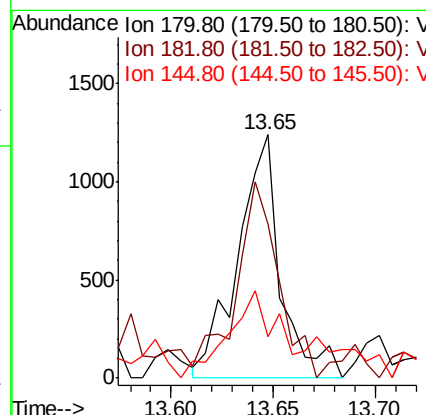
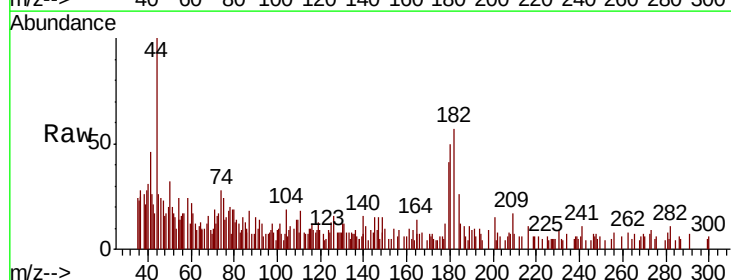
Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL01

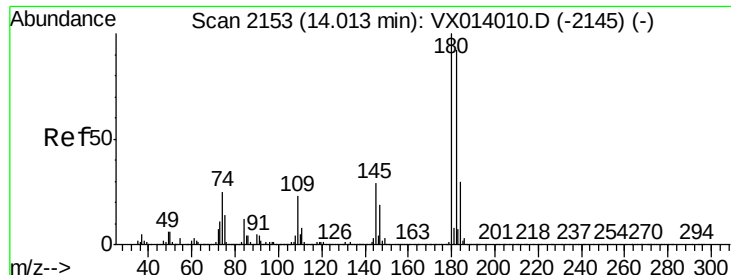
Tot Ion: 75 Resp: 176283
Ion Ratio Lower Upper
75 100
53 0.0 76.7 115.1#
89 0.0 34.6 51.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.235 ug/l
RT: 13.65 min Scan# 2093
Delta R.T. 0.01 min
Lab File: VX014024.D
Acq: 16 Dec 2019 10:40

Tgt Ion:180 Resp: 1818
Ion Ratio Lower Upper
180 100
182 79.1 46.6 139.8
145 42.5 14.2 42.6





#96

1,2,3-Trichlorobenzene

Concen: 0.237 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.01 min

Lab File: VX014024.D

Acq: 16 Dec 2019 10:40

Instrument :

MSVOA_X

ClientSampleId :

VX1216WBL01

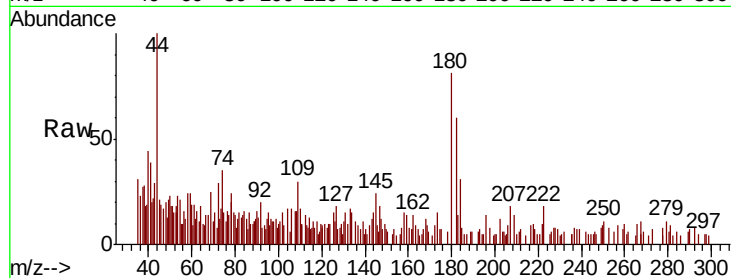
Tot Ion:180 Resp: 1806

Ion Ratio Lower Upper

180 100

182 84.2 46.8 140.3

145 43.8 14.8 44.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

