

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021020\
 Data File : VX014896.D
 Acq On : 10 Feb 2020 18:23
 Operator : JC/SP
 Sample : L1456-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FM-5213

Quant Time: Feb 11 06:48:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	452791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	695569	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	666063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	366081	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	253360	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
35) Dibromofluoromethane	5.49	113	211012	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
50) Toluene-d8	8.71	98	826562	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	11.13	95	321523	54.68	ug/l	0.00
Spiked Amount			Recovery	=	109.36%	

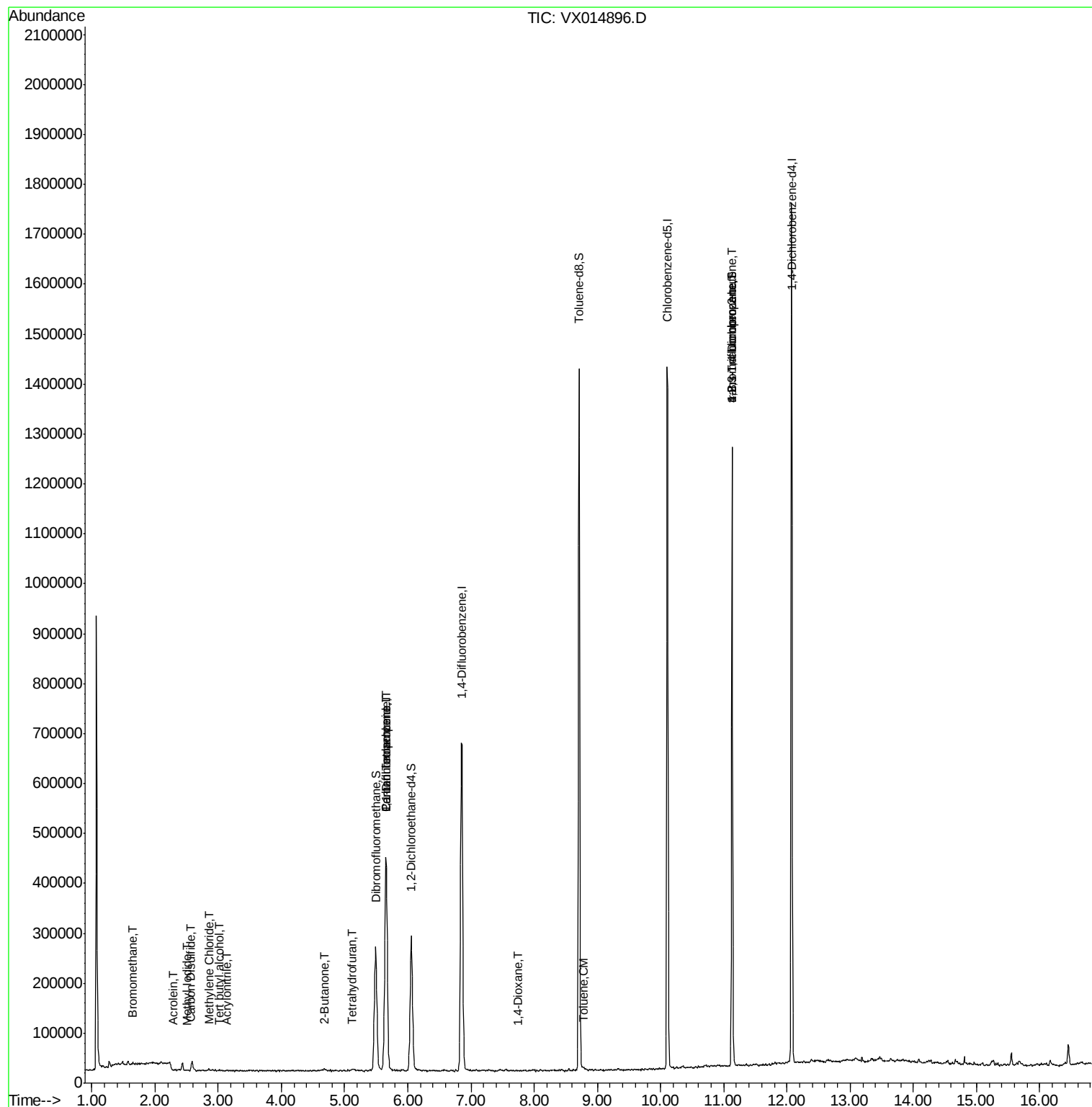
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1471	0.434	ug/l #	54
10) Methyl Iodide	2.51	142	1051	4.571	ug/l #	49
11) Tert butyl alcohol	3.03	59	945	1.047	ug/l #	10
13) Acrolein	2.29	56	670	0.974	ug/l #	15
15) Acrylonitrile	3.14	53	618	0.270	ug/l #	76
16) Acetone	2.44	43	16695	Below Cal		95
17) Carbon Disulfide	2.56	76	2565	0.221	ug/l #	75
20) Methylene Chloride	2.85	84	1624	0.330	ug/l #	74
25) 2-Butanone	4.68	43	4341	1.248	ug/l #	67
29) Tetrahydrofuran	5.13	42	3624	1.832	ug/l #	88
36) 1,1-Dichloropropene	5.66	75	29320	4.712	ug/l #	53
38) Carbon Tetrachloride	5.65	117	39004	6.432	ug/l #	17
49) 1,4-Dioxane	7.74	88	215	2.183	ug/l #	9
52) Toluene	8.78	92	2770	0.235	ug/l	77
76) 1,2,3-Trichloropropane	11.13	75	159519	24.097	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	159519	61.680	ug/l #	12

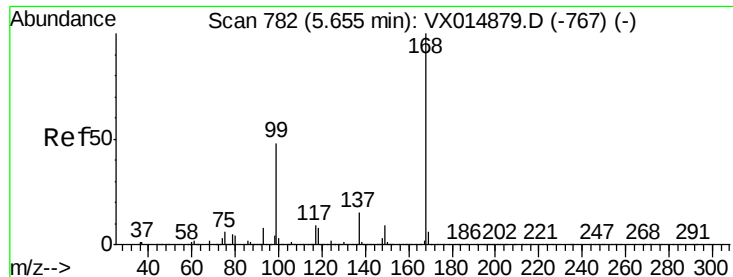
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014896.D

Acq: 10 Feb 2020 18:23

Instrument :

MSVOA_X

ClientSampleId :

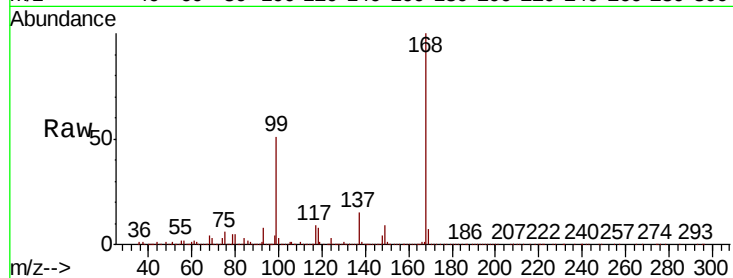
FM-5213

Tot Ion:168 Resp: 452791

Ion Ratio Lower Upper

168 100

99 50.7 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

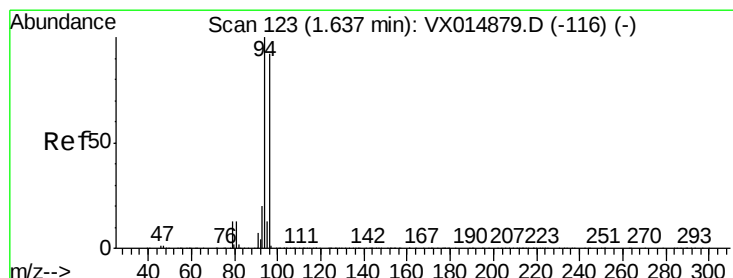
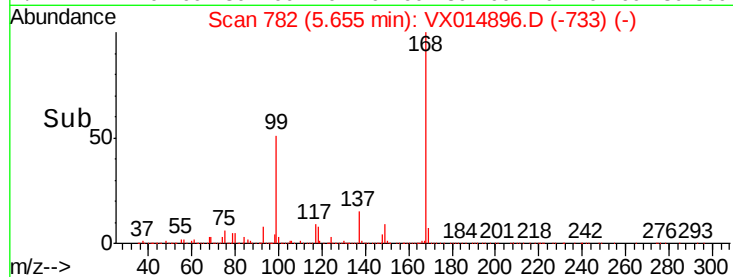
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.434 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.01 min

Lab File: VX014896.D

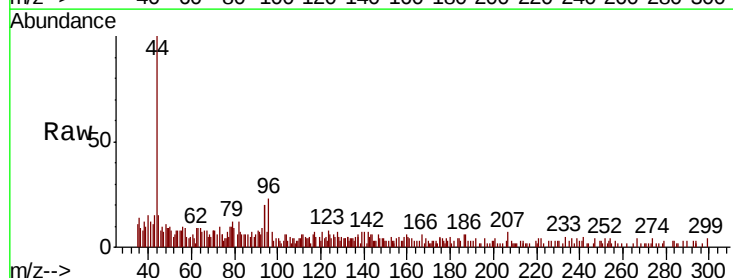
Acq: 10 Feb 2020 18:23

Tgt Ion: 94 Resp: 1471

Ion Ratio Lower Upper

94 100

96 47.9 73.7 110.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

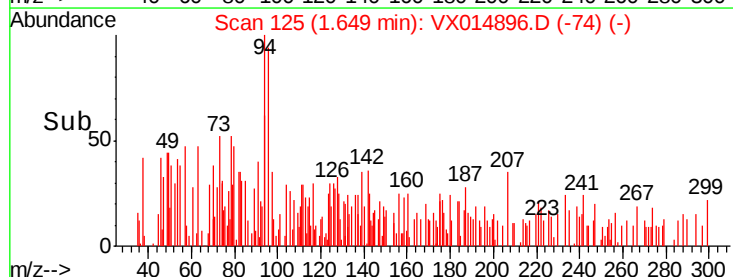
1.65

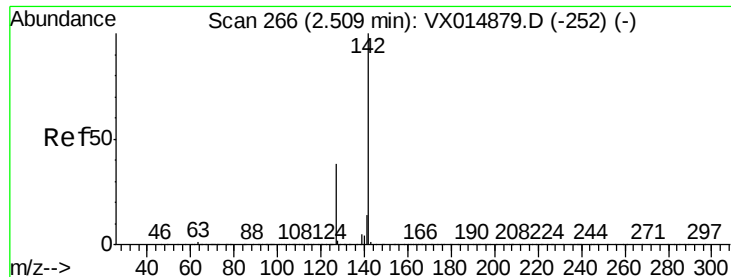
1000

500

0

Time-->

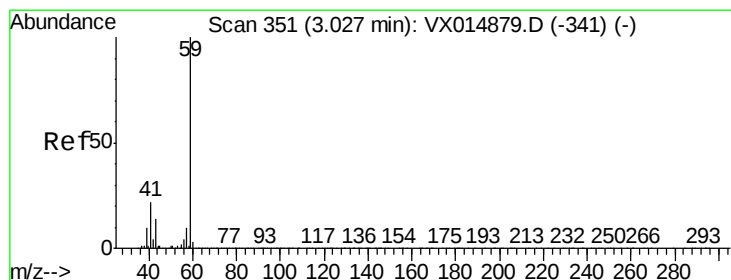
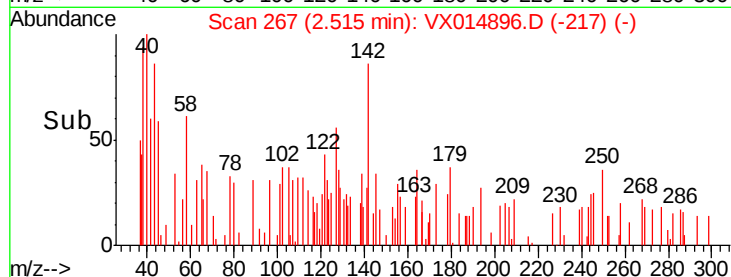
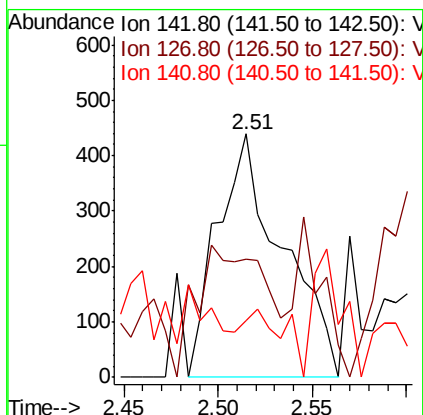
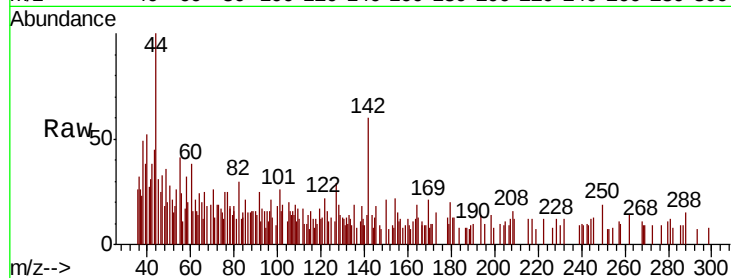




#10
Methyl Iodide
Concen: 4.571 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX014896.D
Acq: 10 Feb 2020 18:23

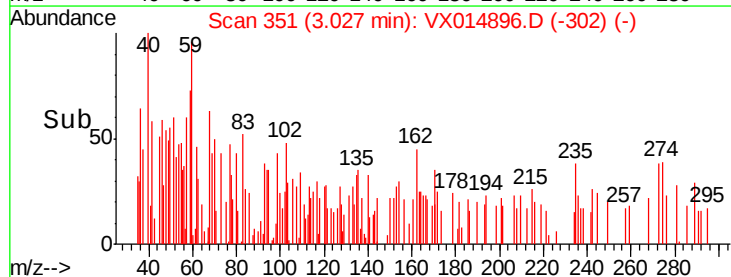
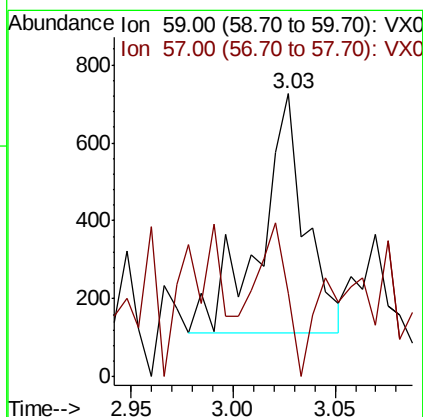
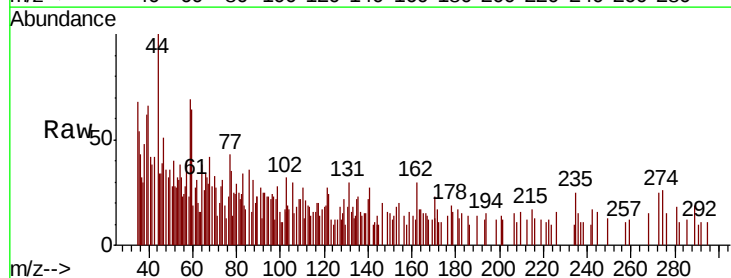
Instrument :
MSVOA_X
ClientSampled :
FM-5213

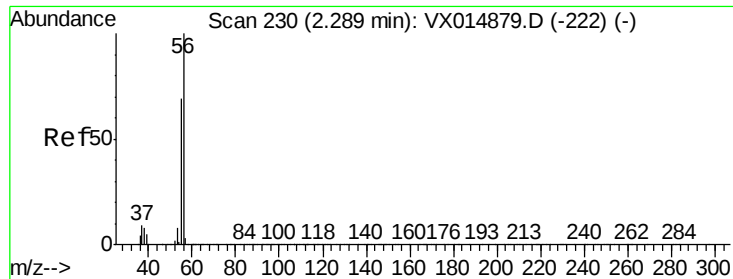
Tot Ion:142 Resp: 1051
Ion Ratio Lower Upper
142 100
127 0.0 31.1 46.7#
141 8.5 11.3 16.9#



#11
Tert butyl alcohol
Concen: 1.047 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX014896.D
Acq: 10 Feb 2020 18:23

Tgt Ion: 59 Resp: 945
Ion Ratio Lower Upper
59 100
57 44.0 8.2 12.4#

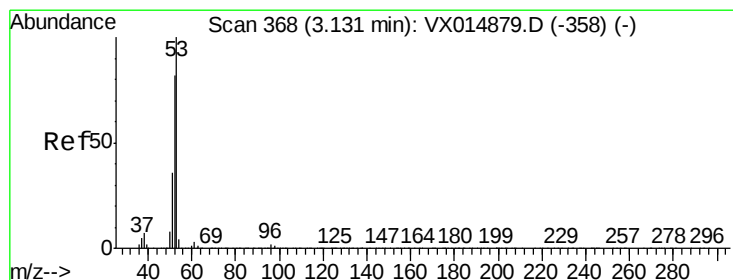
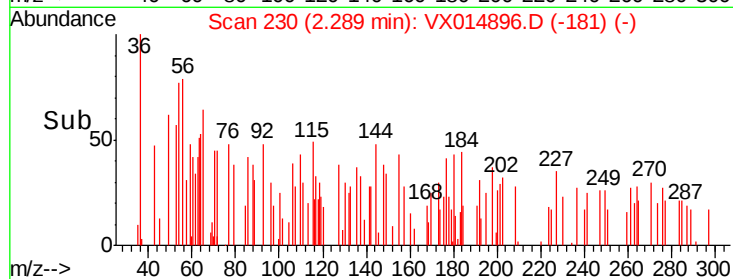
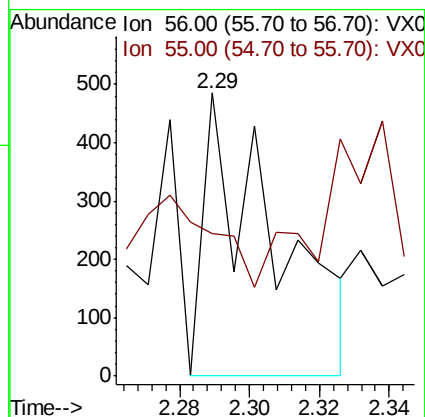
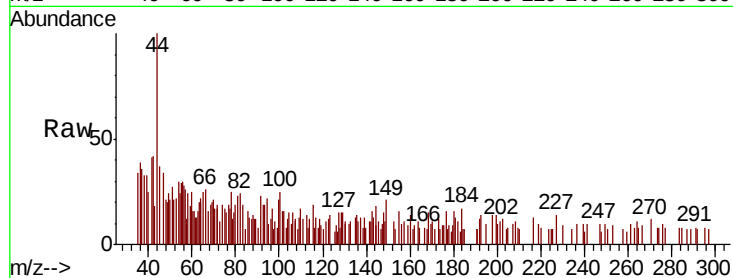




#13
Acrolein
Concen: 0.974 ug/l
RT: 2.29 min Scan# 230
Delta R.T. -0.00 min
Lab File: VX014896.D
Acq: 10 Feb 2020 18:23

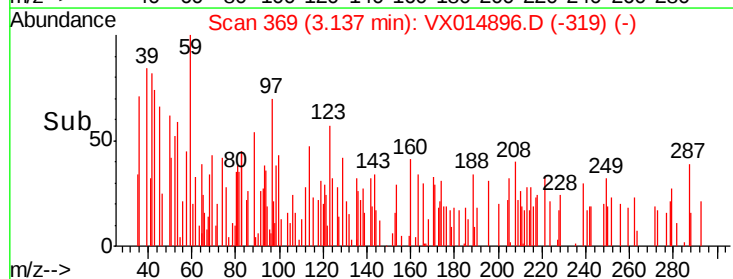
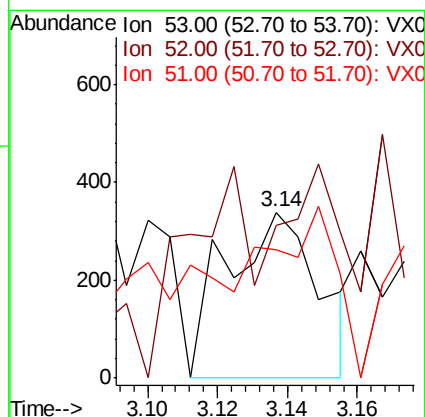
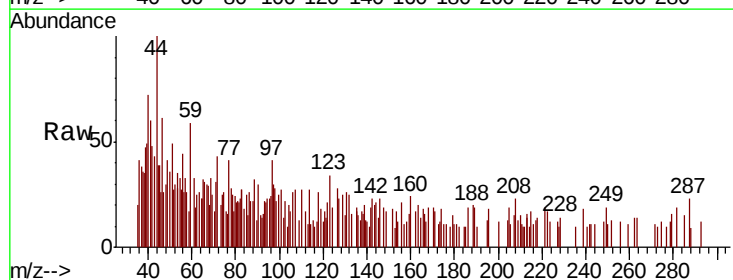
Instrument :
MSVOA_X
ClientSampleId :
FM-5213

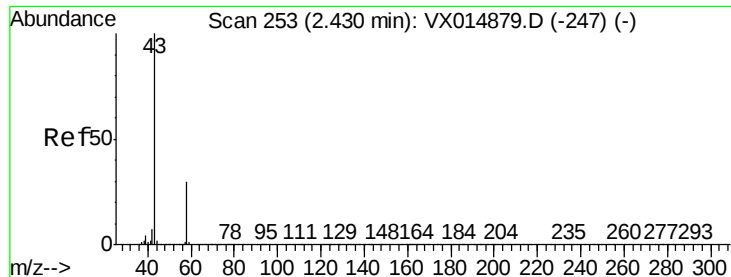
Tot Ion: 56 Resp: 670
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.4#



#15
Acrylonitrile
Concen: 0.270 ug/l
RT: 3.14 min Scan# 369
Delta R.T. 0.01 min
Lab File: VX014896.D
Acq: 10 Feb 2020 18:23

Tgt Ion: 53 Resp: 618
Ion Ratio Lower Upper
53 100
52 88.3 65.8 98.6
51 0.0 29.1 43.7#





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX014896.D

Acq: 10 Feb 2020 18:23

Instrument :

MSVOA_X

ClientSampleId :

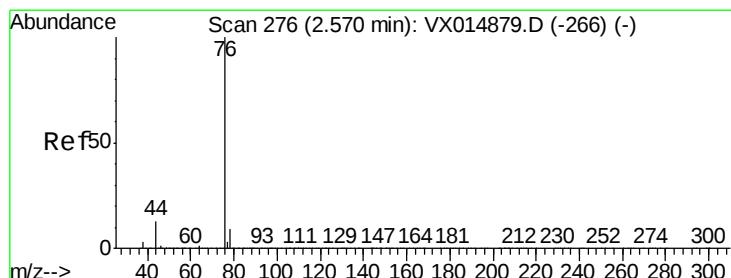
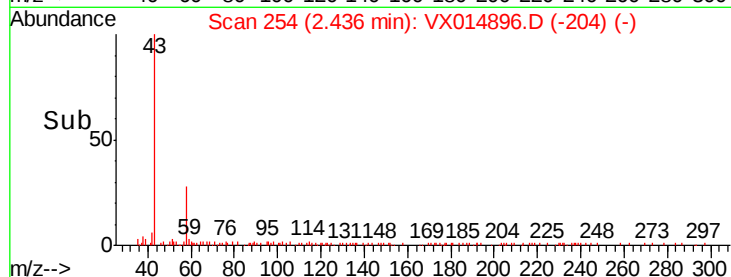
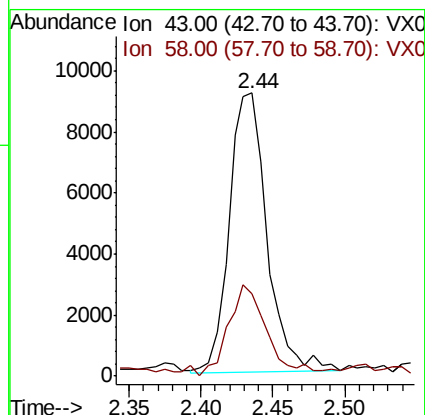
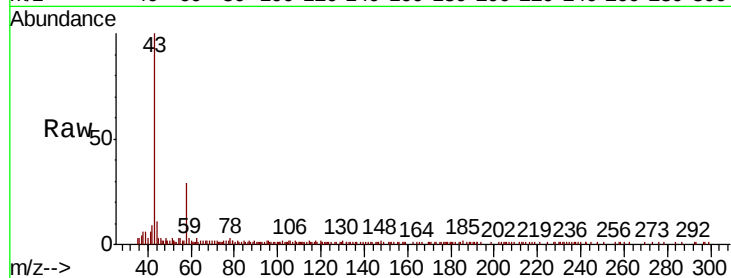
FM-5213

Tot Ion: 43 Resp: 16695

Ion Ratio Lower Upper

43 100

58 27.3 24.1 36.1



#17

Carbon Disulfide

Concen: 0.221 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.01 min

Lab File: VX014896.D

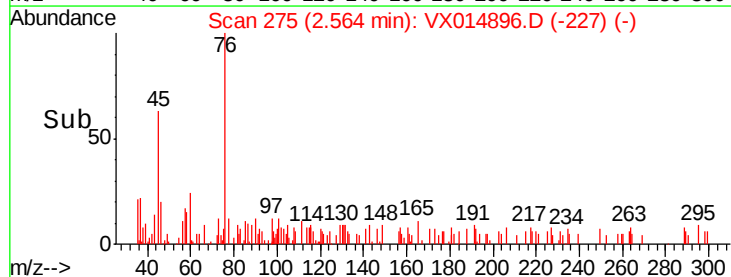
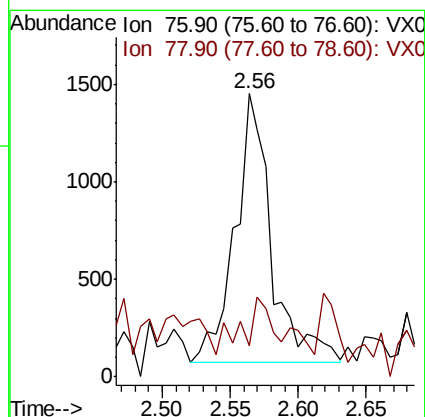
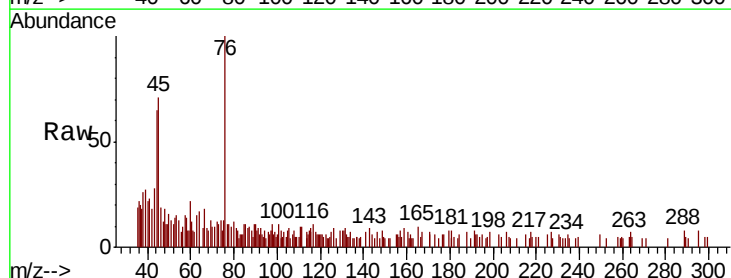
Acq: 10 Feb 2020 18:23

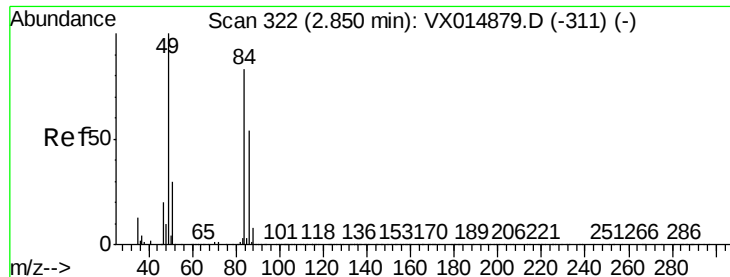
Tgt Ion: 76 Resp: 2565

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#

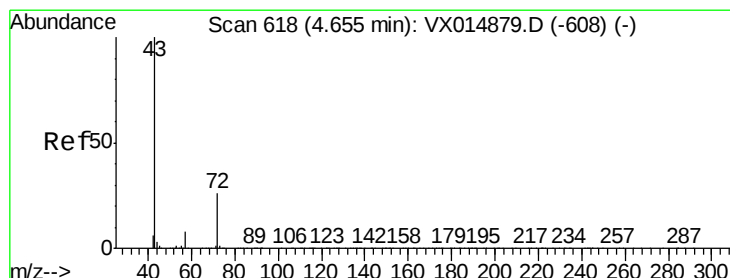
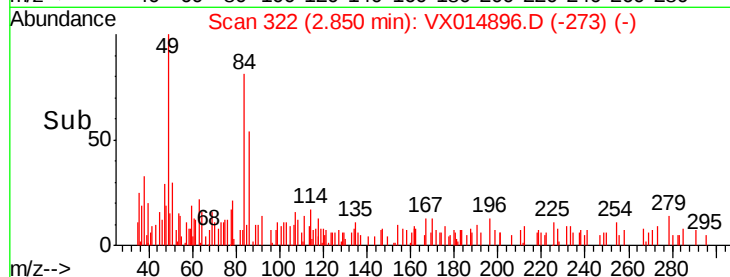
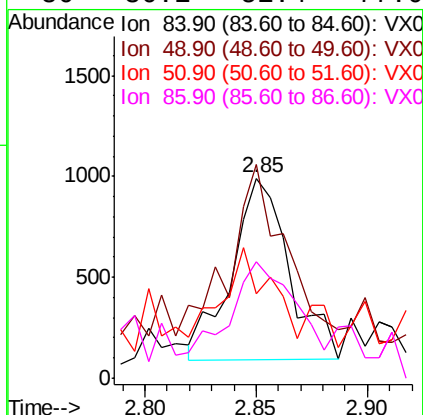
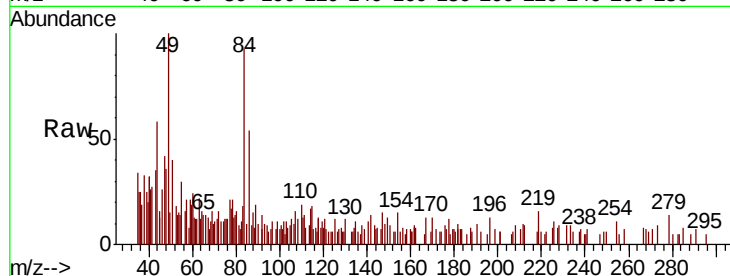




#20
Methvlene Chloride
Concen: 0.330 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014896.D
Acq: 10 Feb 2020 18:23

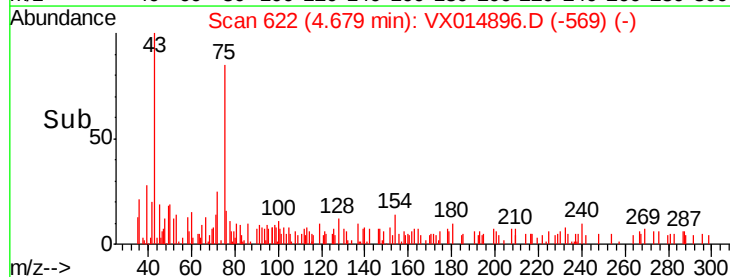
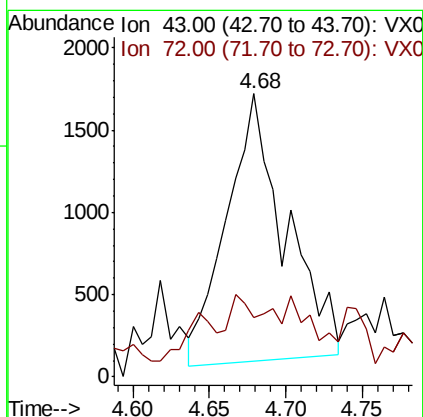
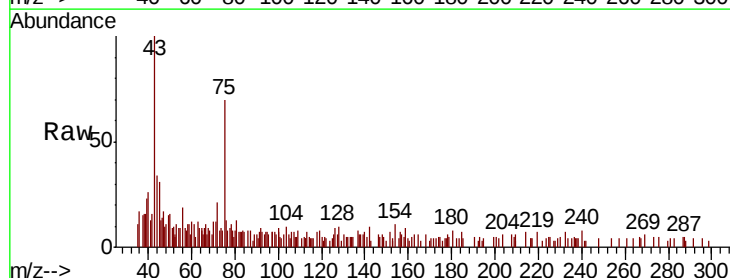
Instrument :
MSVOA_X
ClientSampleId :
FM-5213

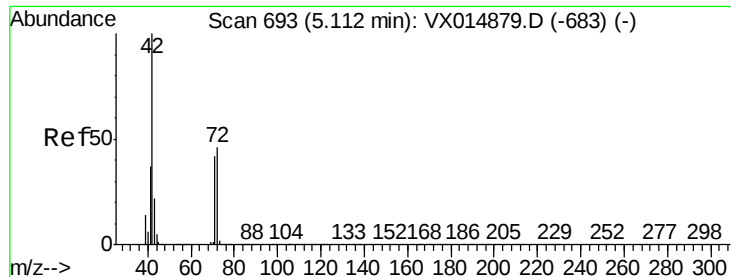
Tot Ion: 84 Resp: 1624
Ion Ratio Lower Upper
84 100
49 91.7 95.6 143.4#
51 29.9 29.0 43.6
86 36.1 51.4 77.0#



#25
2-Butanone
Concen: 1.248 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX014896.D
Acq: 10 Feb 2020 18:23

Tgt Ion: 43 Resp: 4341
Ion Ratio Lower Upper
43 100
72 9.4 21.0 31.6#





#29

Tetrahydrofuran

Concen: 1.832 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX014896.D

Acq: 10 Feb 2020 18:23

Instrument :

MSVOA_X

ClientSampleId :

FM-5213

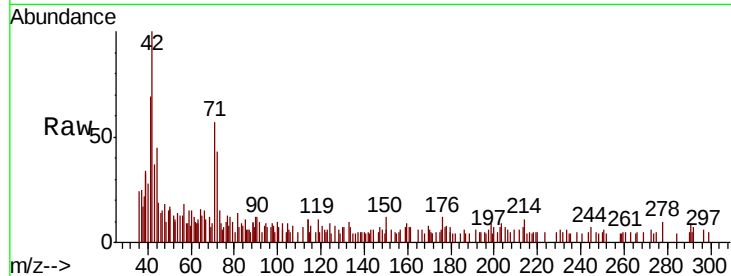
Tot Ion: 42 Resp: 3624

Ion Ratio Lower Upper

42 100

72 32.3 36.9 55.3#

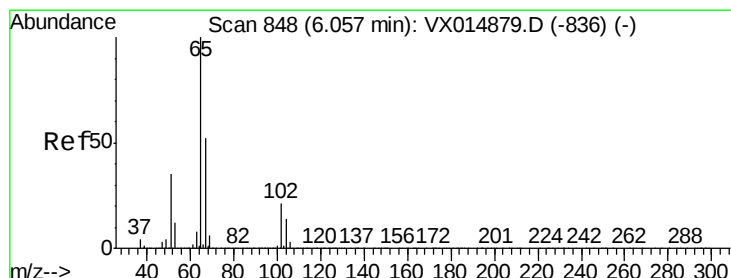
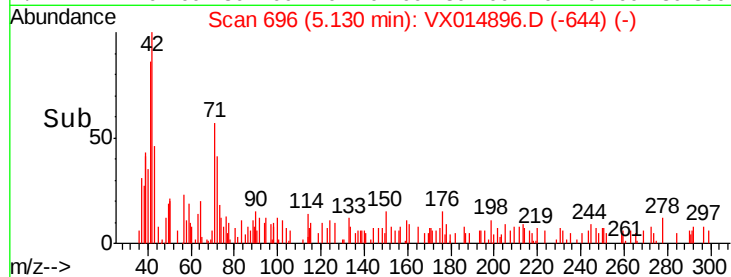
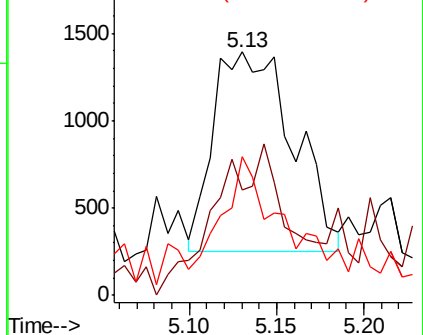
71 40.8 34.1 51.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.580 ug/l

RT: 6.06 min Scan# 848

Delta R.T. -0.00 min

Lab File: VX014896.D

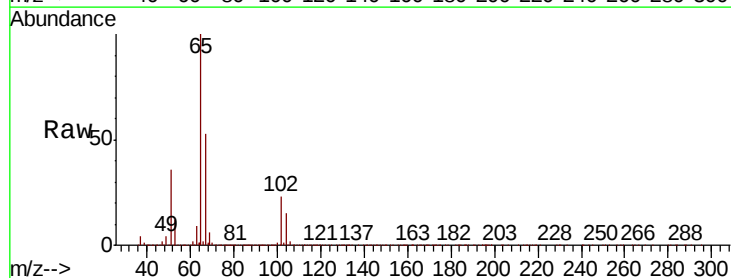
Acq: 10 Feb 2020 18:23

Tgt Ion: 65 Resp: 253360

Ion Ratio Lower Upper

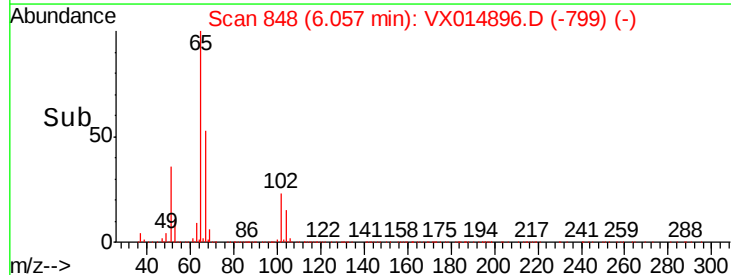
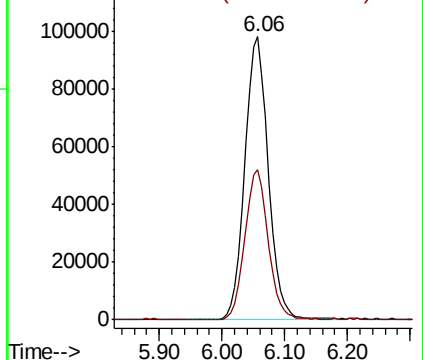
65 100

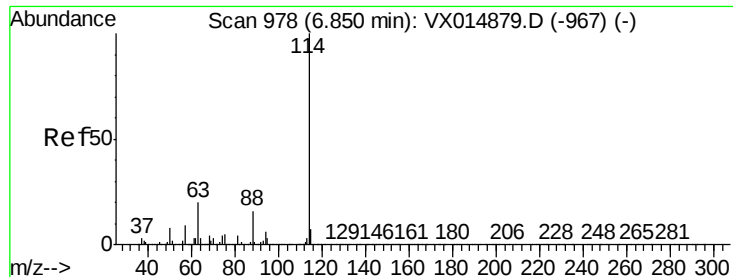
67 52.8 0.0 103.0



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: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX014896.D

Acq: 10 Feb 2020 18:23

Instrument :

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ClientSampleId :

FM-5213

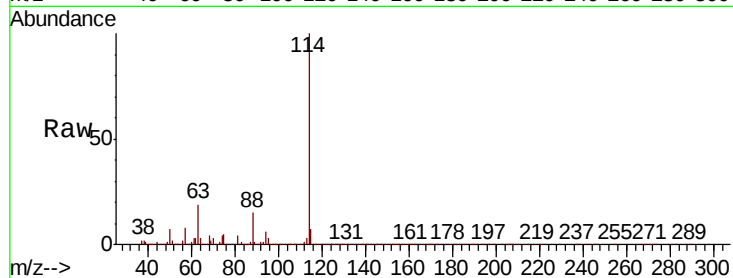
Tot Ion:114 Resp: 695569

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.2

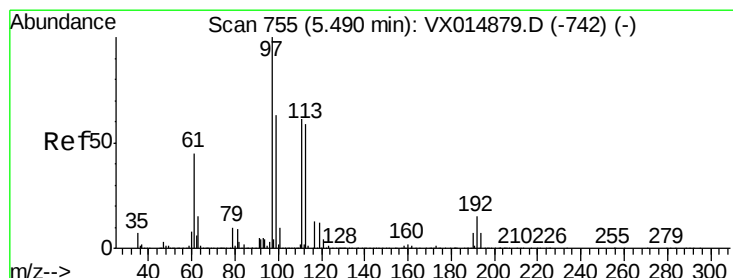
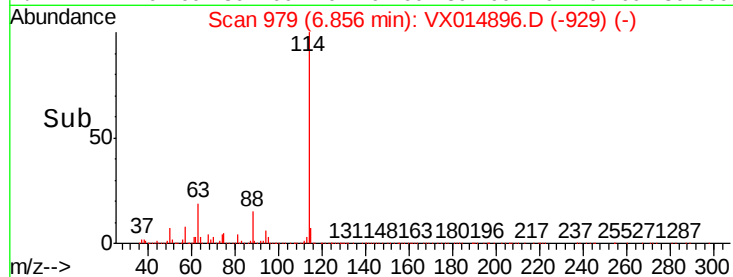
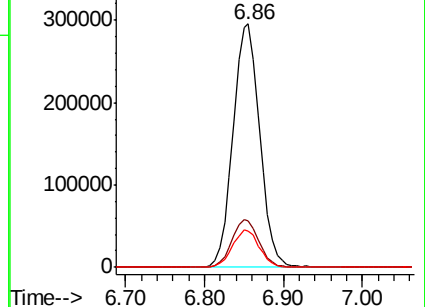
88 14.8 0.0 32.0



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: 49.346 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014896.D

Acq: 10 Feb 2020 18:23

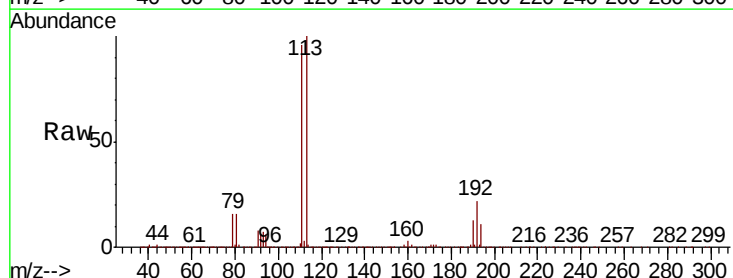
Tgt Ion:113 Resp: 211012

Ion Ratio Lower Upper

113 100

111 101.6 82.4 123.6

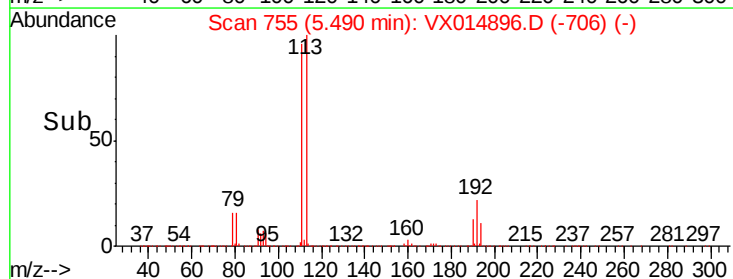
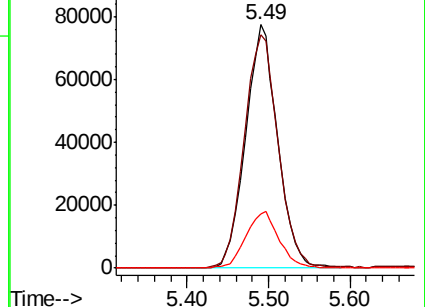
192 24.1 19.1 28.7

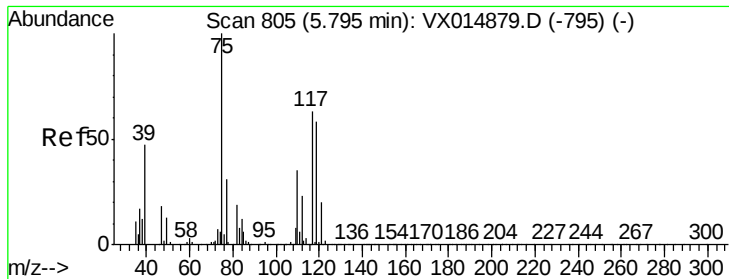


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

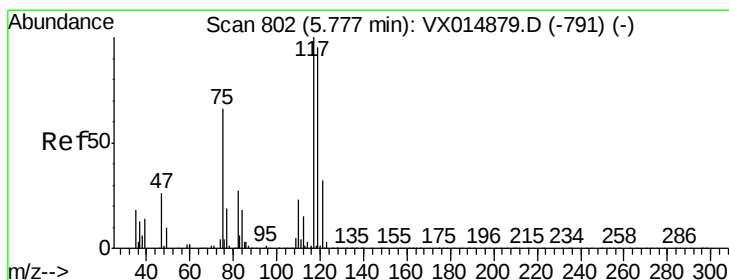
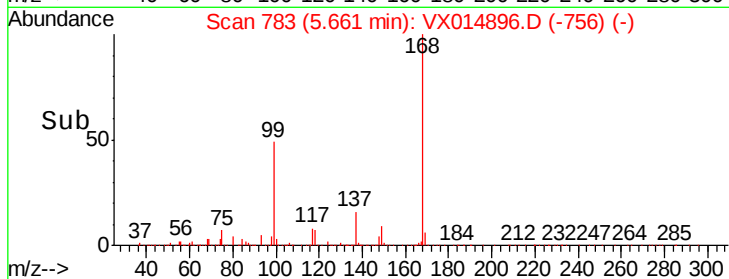
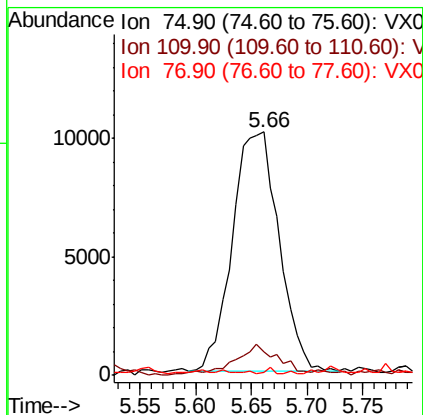
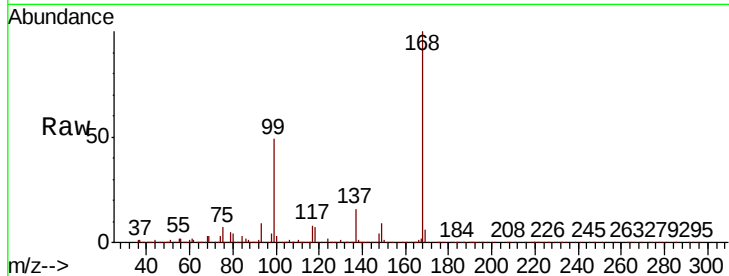




#36
 1,1-Dichloropropene
 Concen: 4.712 ug/l
 RT: 5.66 min Scan# 783
 Delta R.T. -0.13 min
 Lab File: VX014896.D
 Acq: 10 Feb 2020 18:23

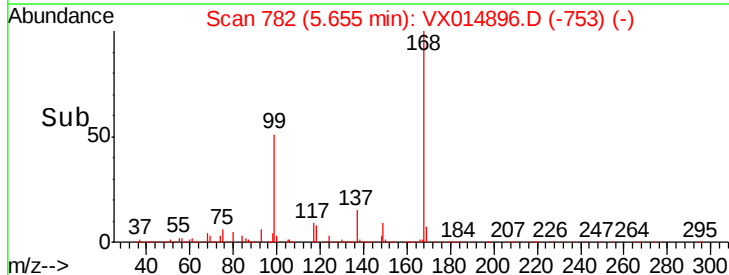
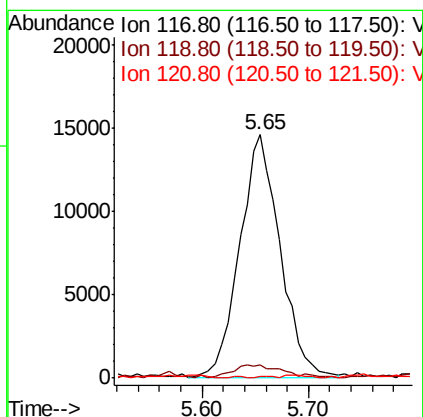
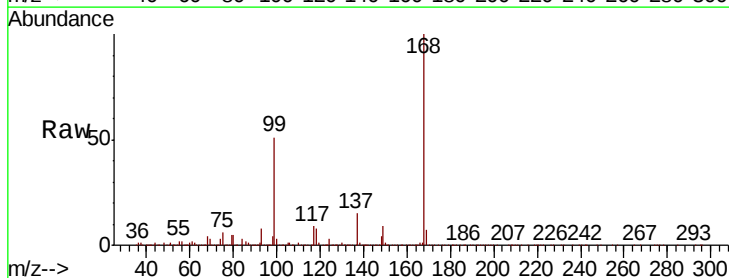
Instrument :
 MSVOA_X
 ClientSampled :
 FM-5213

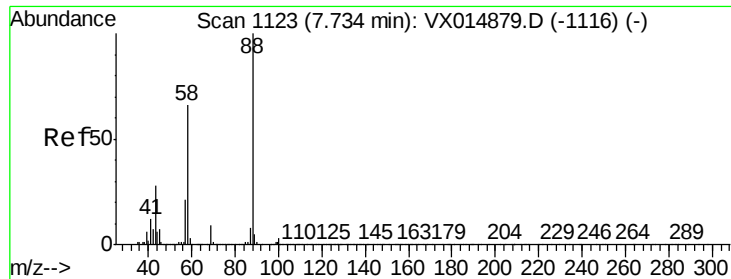
Tot Ion	Ratio	Lower	Upper
75	100		
110	12.4	18.3	54.8#
77	0.7	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.432 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014896.D
 Acq: 10 Feb 2020 18:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.0	114.0#
121	0.2	25.4	38.2#





#49

1,4-Dioxane

Concen: 2.183 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014896.D

Acq: 10 Feb 2020 18:23

Instrument :

MSVOA_X

ClientSampleId :

FM-5213

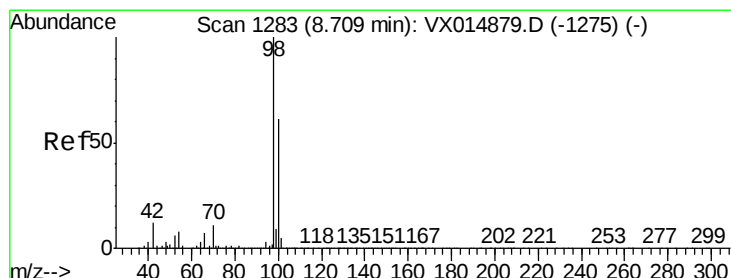
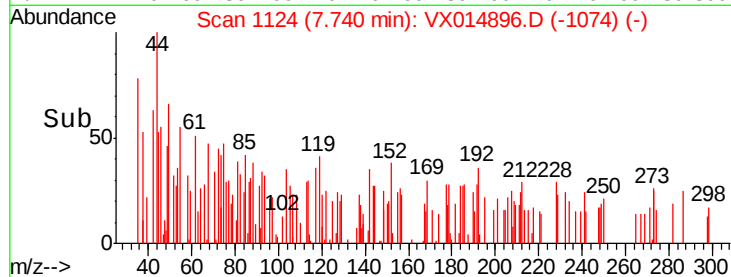
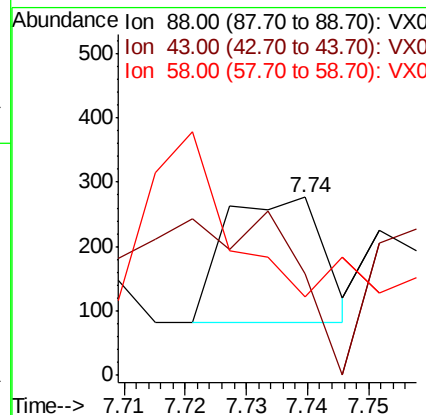
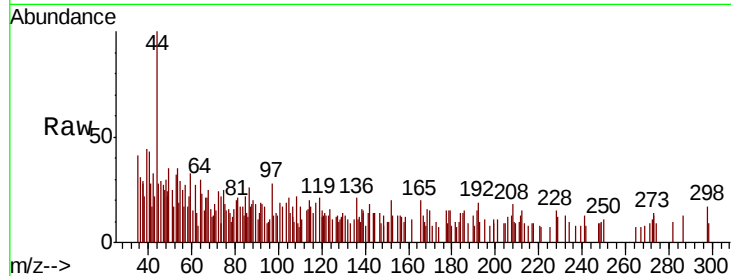
Tot Ion: 88 Resp: 215

Ion Ratio Lower Upper

88 100

43 94.0 27.0 40.4#

58 0.0 53.2 79.8#



#50

Toluene-d8

Concen: 50.639 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014896.D

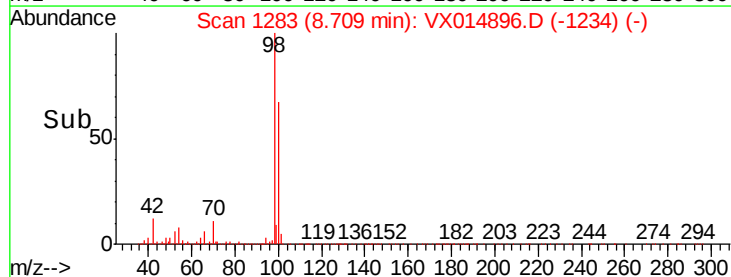
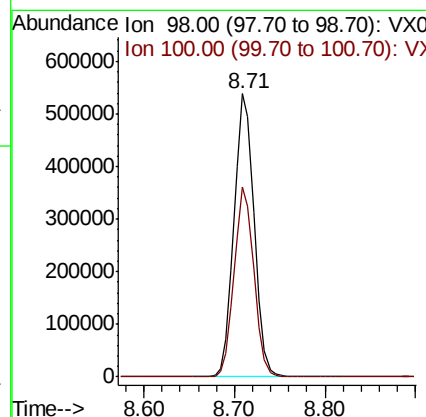
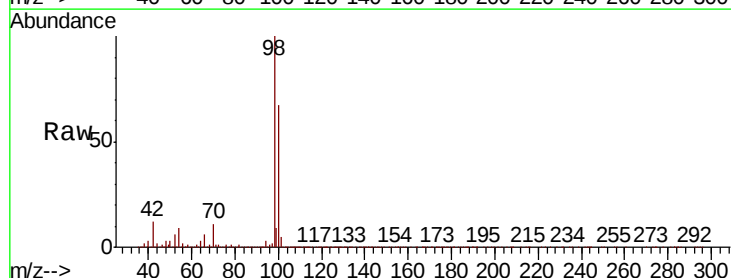
Acq: 10 Feb 2020 18:23

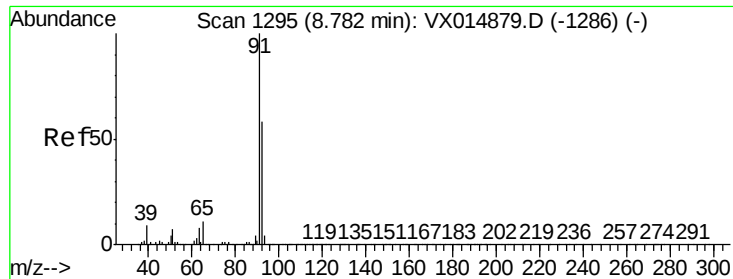
Tgt Ion: 98 Resp: 826562

Ion Ratio Lower Upper

98 100

100 66.1 52.4 78.6





#52

Toluene

Concen: 0.235 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX014896.D

Acq: 10 Feb 2020 18:23

Instrument :

MSVOA_X

ClientSampleId :

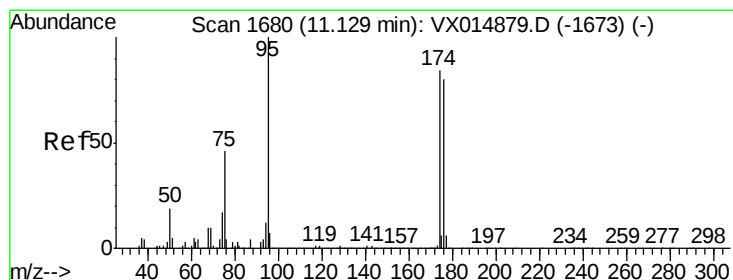
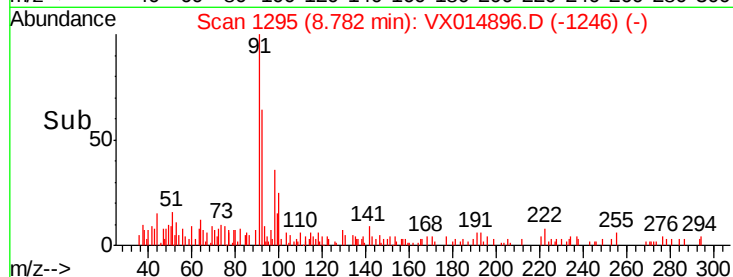
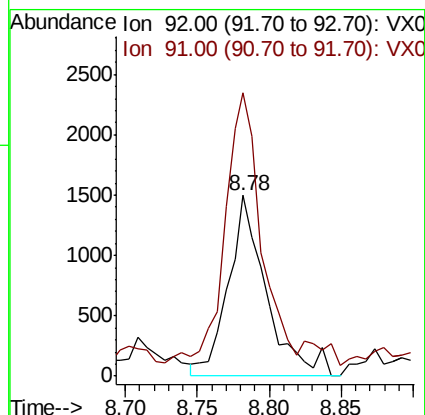
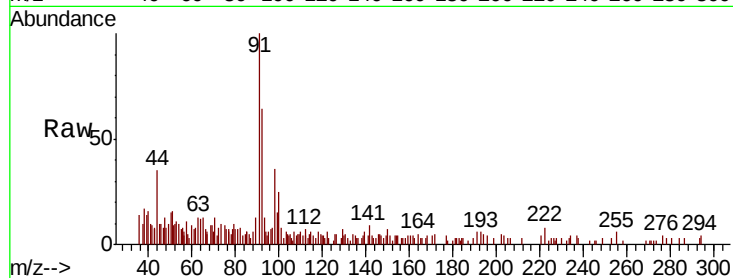
FM-5213

Tot Ion: 92 Resp: 2770

Ion Ratio Lower Upper

92 100

91 139.9 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 54.682 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX014896.D

Acq: 10 Feb 2020 18:23

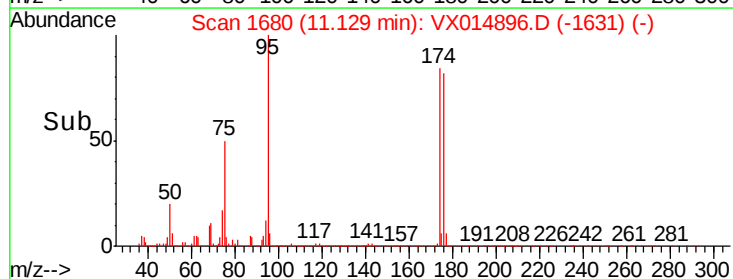
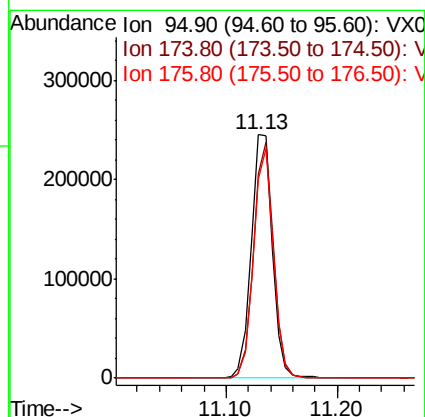
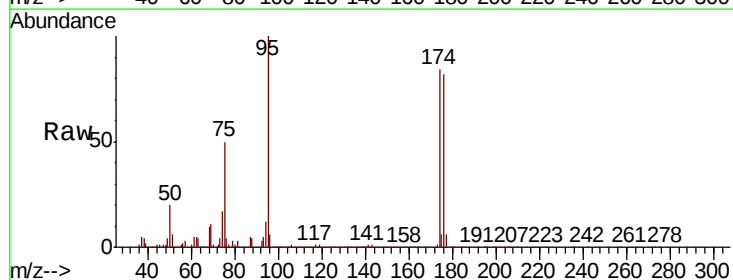
Tgt Ion: 95 Resp: 321523

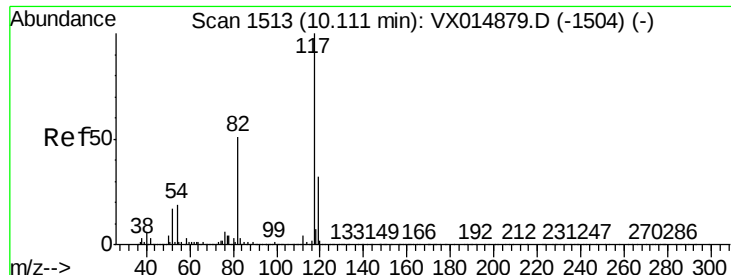
Ion Ratio Lower Upper

95 100

174 92.0 0.0 183.0

176 89.2 0.0 178.0

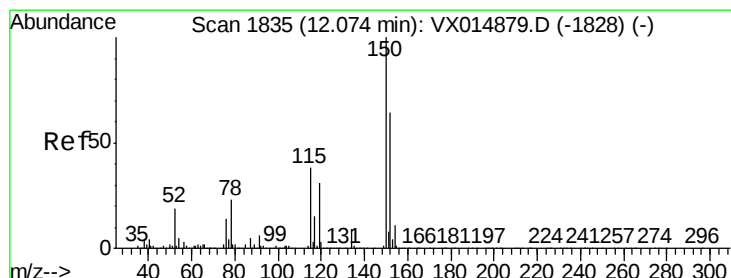
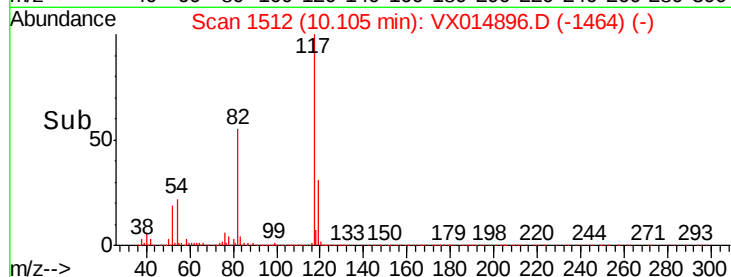
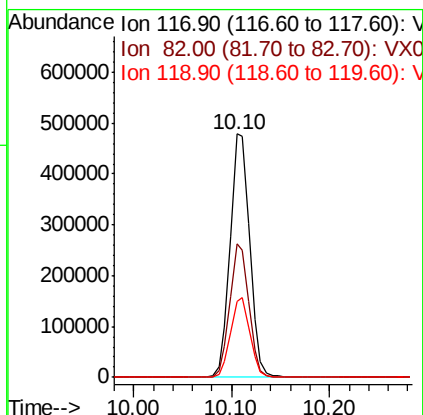
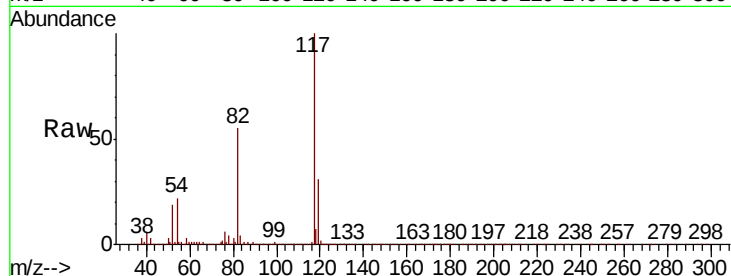




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014896.D
Acq: 10 Feb 2020 18:23

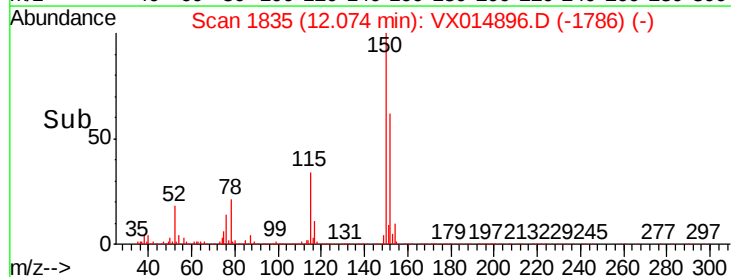
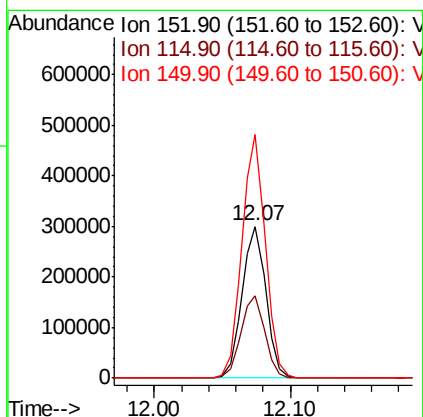
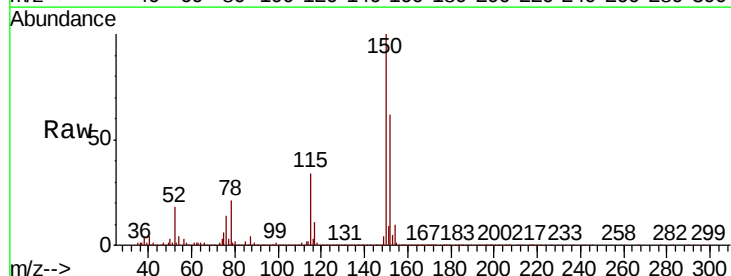
Instrument :
MSVOA_X
ClientSampleId :
FM-5213

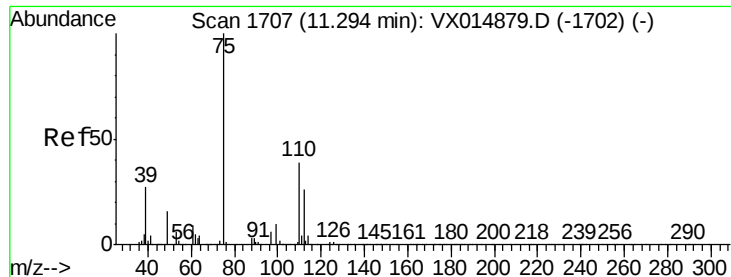
Tot Ion:117 Resp: 666063
Ion Ratio Lower Upper
117 100
82 54.8 40.5 60.7
119 31.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014896.D
Acq: 10 Feb 2020 18:23

Tgt Ion:152 Resp: 366081
Ion Ratio Lower Upper
152 100
115 54.2 38.6 116.0
150 157.4 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 24.097 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014896.D

Acq: 10 Feb 2020 18:23

Instrument :

MSVOA_X

ClientSampled :

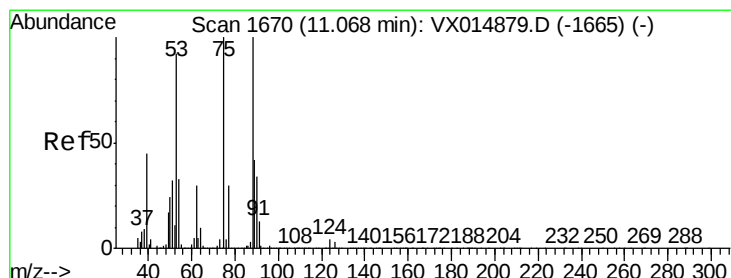
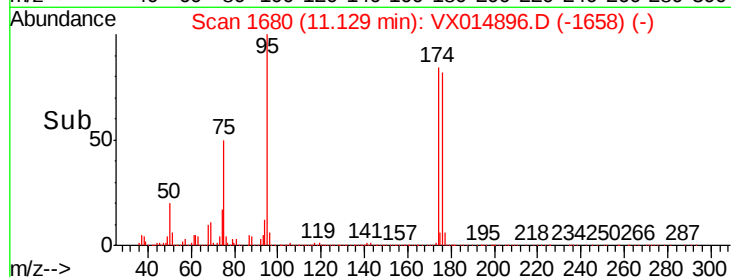
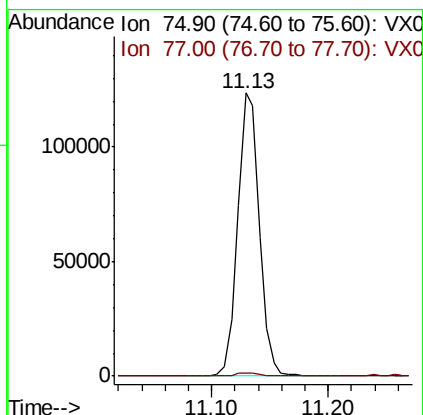
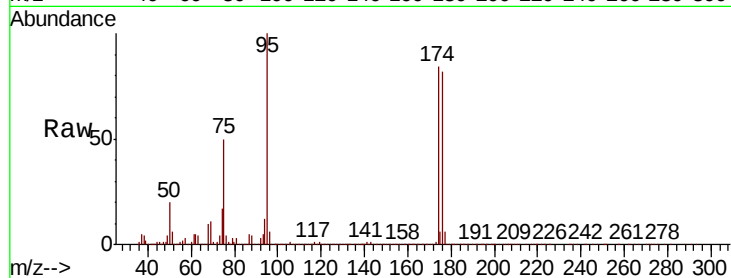
FM-5213

Tot Ion: 75 Resp: 159519

Ion Ratio Lower Upper

75 100

77 1.2 18.4 55.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.680 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014896.D

Acq: 10 Feb 2020 18:23

Tgt Ion: 75 Resp: 159519

Ion Ratio Lower Upper

75 100

53 0.3 76.2 114.2#

89 0.0 35.8 53.6#

