

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110720\
 Data File : VX019336.D
 Acq On : 06 Nov 2020 13:06
 Operator : JC/MD
 Sample : L4616-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA20-GMZ5-RB1

Quant Time: Nov 07 01:02:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	291393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	515750	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	483461	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	244082	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	202802	53.97	ug/l	0.00
Spiked Amount			Recovery	=	107.94%	
35) Dibromofluoromethane	5.46	113	159470	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
50) Toluene-d8	8.70	98	623504	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	11.12	95	243197	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	

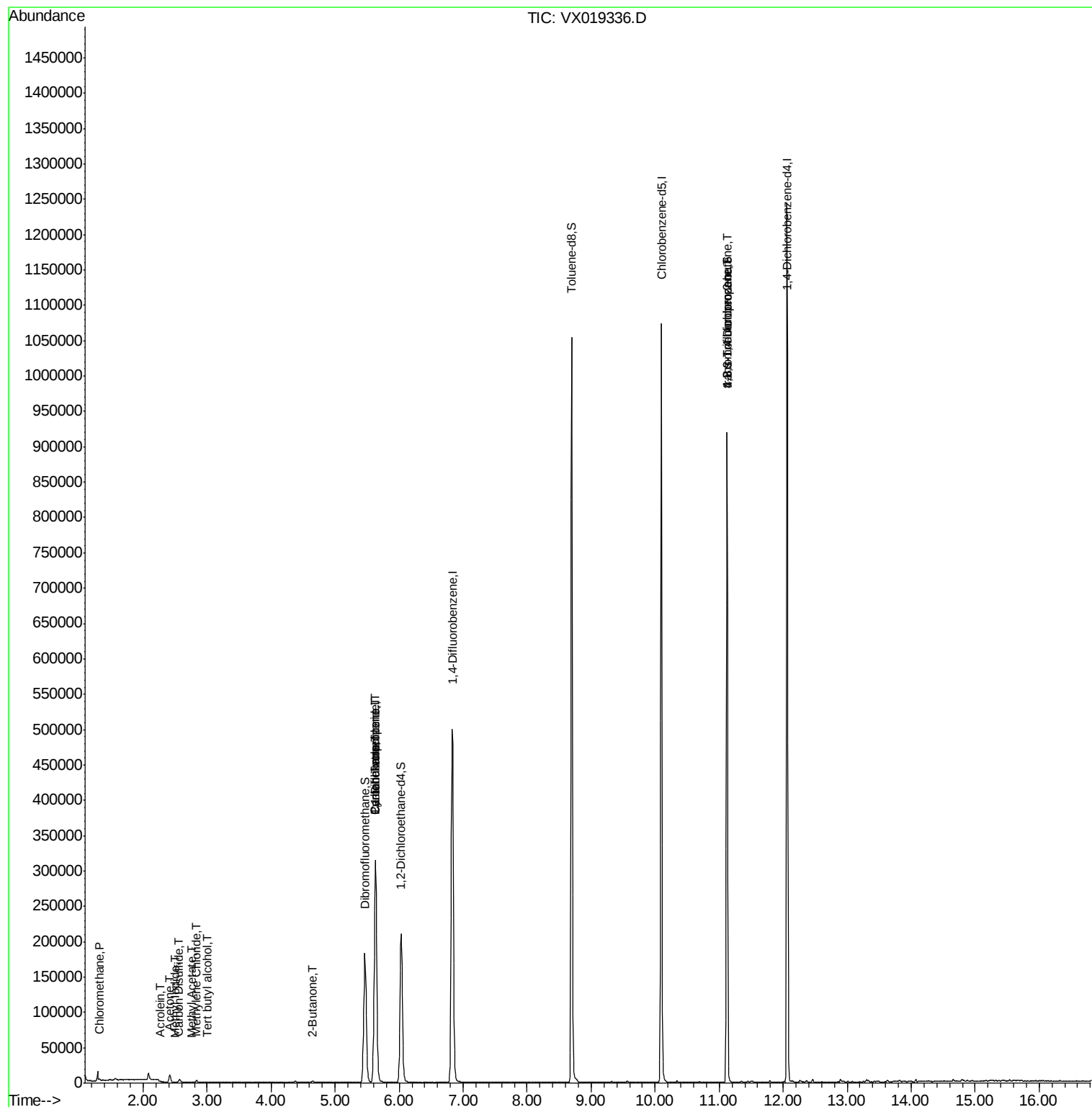
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1320	0.486	ug/l	100
10) Methyl Iodide	2.50	142	137	6.415	ug/l #	80
11) Tert butyl alcohol	3.00	59	1027	1.384	ug/l #	72
13) Acrolein	2.27	56	94	5.925	ug/l #	1
16) Acetone	2.42	43	10826	8.351	ug/l	98
17) Carbon Disulfide	2.56	76	772	0.854	ug/l #	80
18) Methyl Acetate	2.75	43	723	0.229	ug/l #	52
20) Methylene Chloride	2.84	84	1357	0.417	ug/l #	89
25) 2-Butanone	4.65	43	1968	0.963	ug/l	98
31) Cyclohexane	5.63	56	6400	1.347	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23287	4.890	ug/l #	49
38) Carbon Tetrachloride	5.63	117	30905	6.366	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	125686	24.939	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	125686	65.664	ug/l #	12

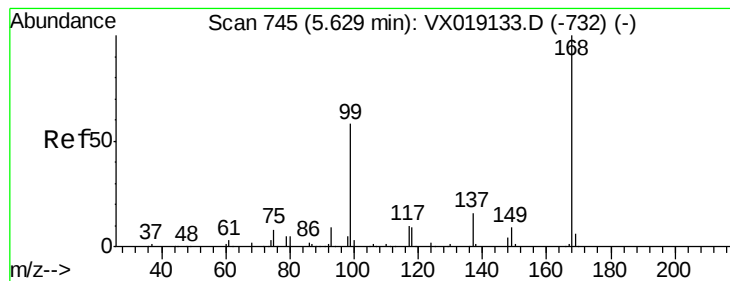
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019336.D

Acq: 06 Nov 2020 13:06

Instrument :

MSVOA_X

ClientSampleId :

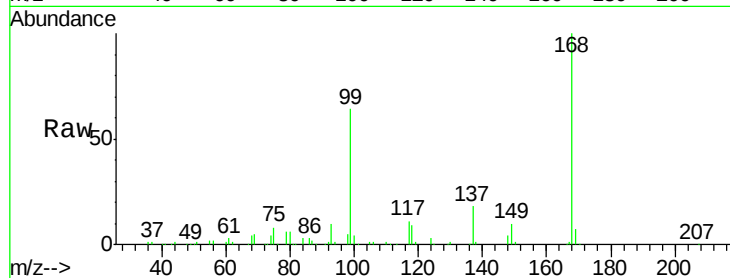
FA20-GMZ5-RB1

Tot Ion:168 Resp: 291393

Ion Ratio Lower Upper

168 100

99 63.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

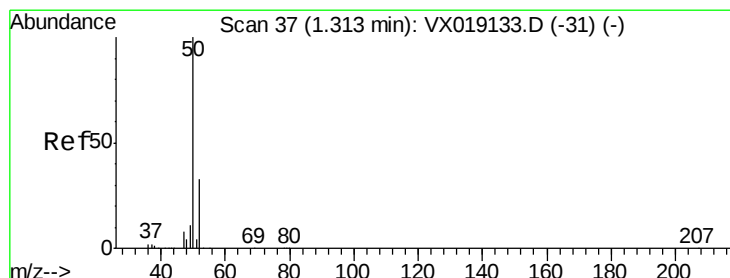
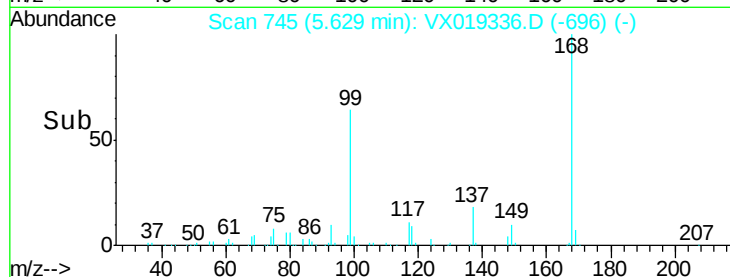
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.486 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019336.D

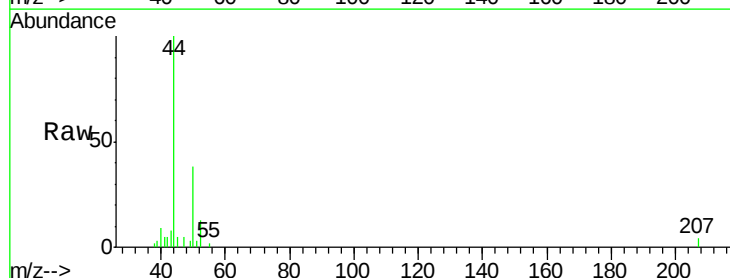
Acq: 06 Nov 2020 13:06

Tgt Ion: 50 Resp: 1320

Ion Ratio Lower Upper

50 100

52 33.5 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

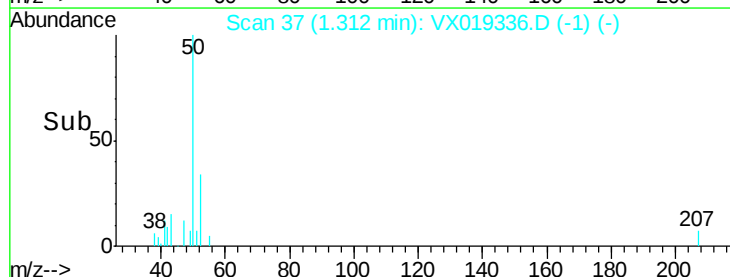
1.31

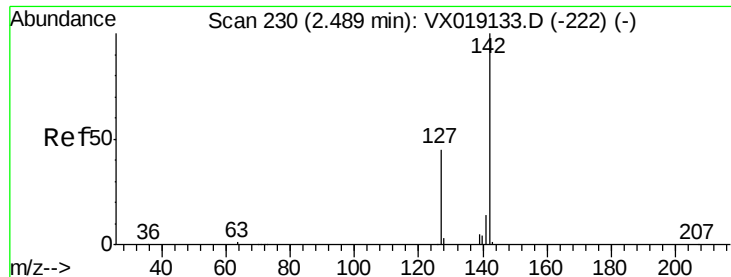
1000

500

0

Time-->

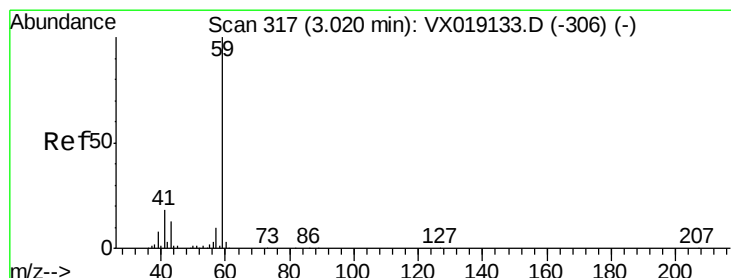
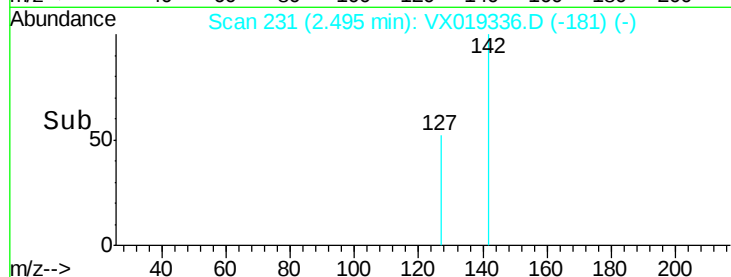
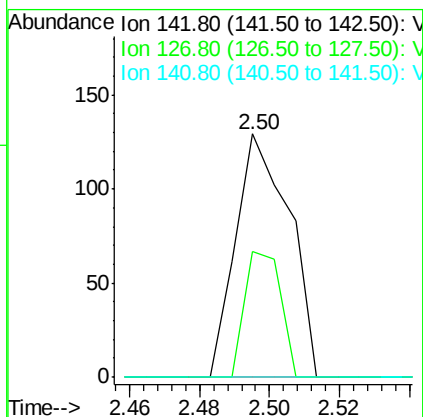
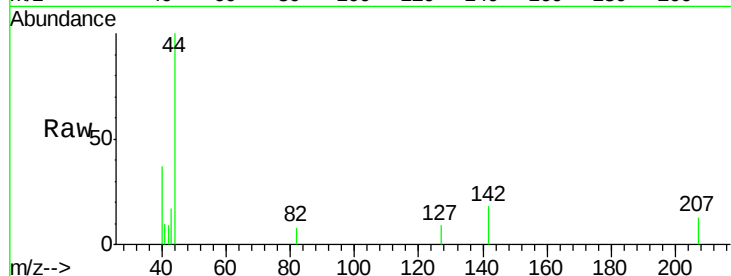




#10
Methyl Iodide
Concen: 6.415 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX019336.D
Acq: 06 Nov 2020 13:06

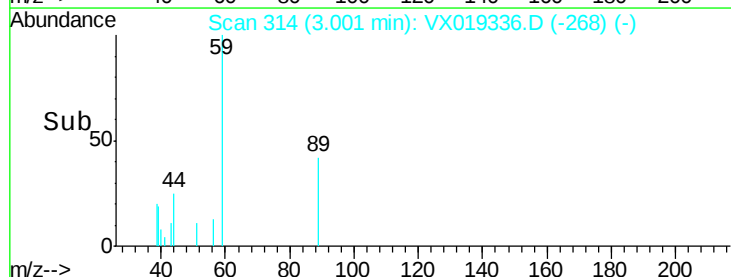
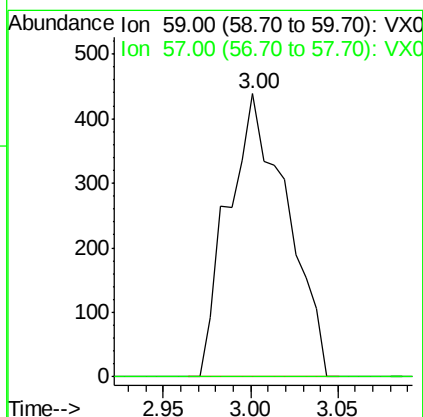
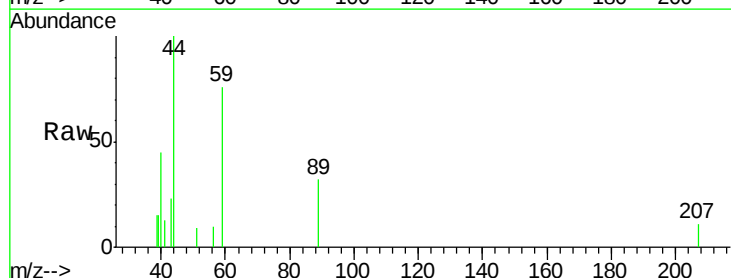
Instrument :
MSVOA_X
ClientSampleId :
FA20-GMZ5-RB1

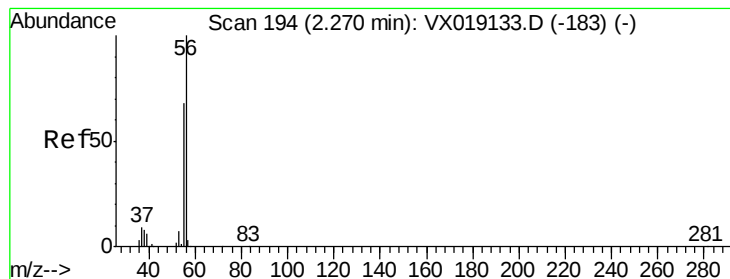
Tot Ion:142 Resp: 137
Ion Ratio Lower Upper
142 100
127 35.0 36.1 54.1#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 1.384 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX019336.D
Acq: 06 Nov 2020 13:06

Tgt Ion: 59 Resp: 1027
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#





#13

Acrolein

Concen: 5.925 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX019336.D

Acq: 06 Nov 2020 13:06

Instrument :

MSVOA_X

ClientSampled :

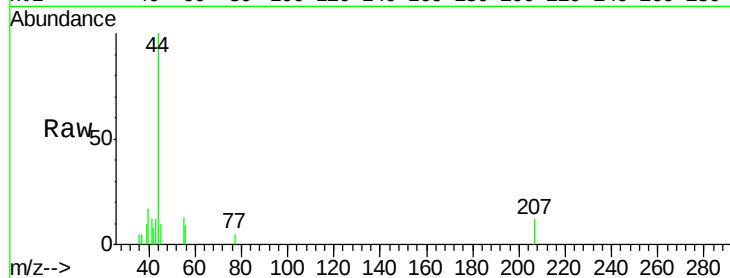
FA20-GMZ5-RB1

Tot Ion: 56 Resp: 94

Ion Ratio Lower Upper

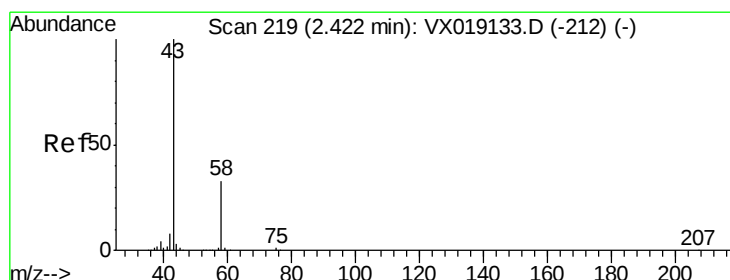
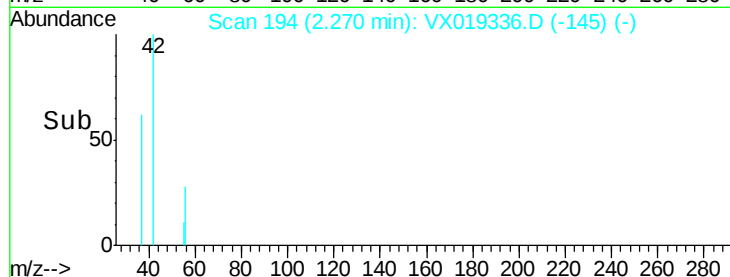
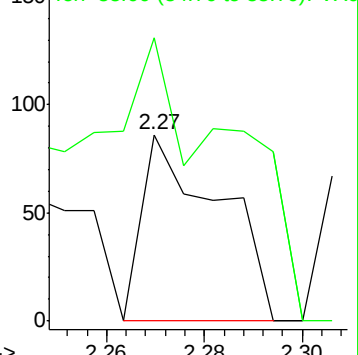
56 100

55 246.8 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 8.351 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019336.D

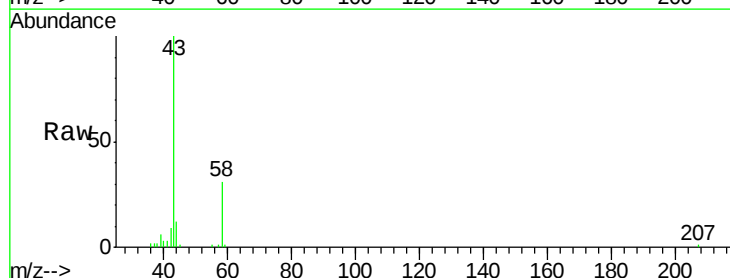
Acq: 06 Nov 2020 13:06

Tgt Ion: 43 Resp: 10826

Ion Ratio Lower Upper

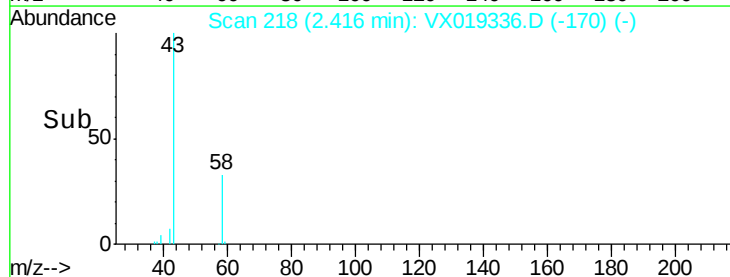
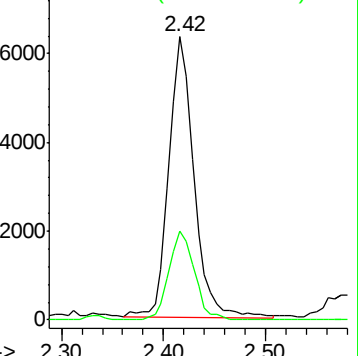
43 100

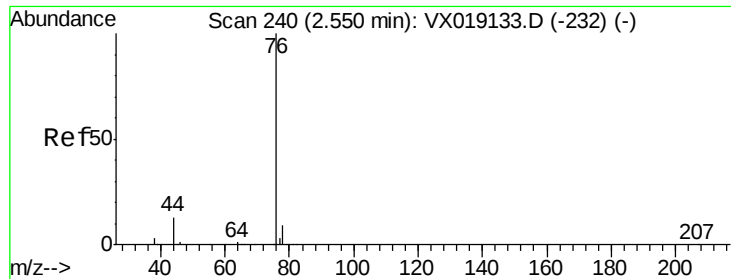
58 31.8 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.854 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019336.D

Acq: 06 Nov 2020 13:06

Instrument :

MSVOA_X

ClientSampleId :

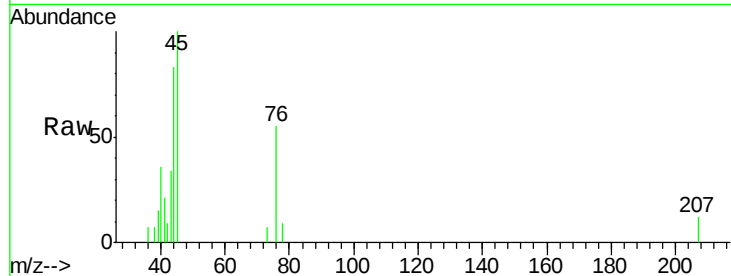
FA20-GMZ5-RB1

Tot Ion: 76 Resp: 772

Ion Ratio Lower Upper

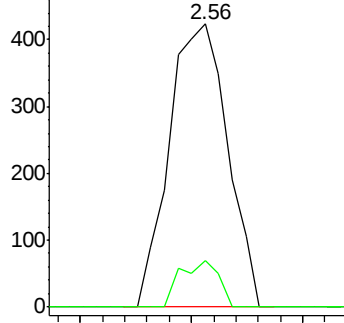
76 100

78 16.3 7.3 10.9#

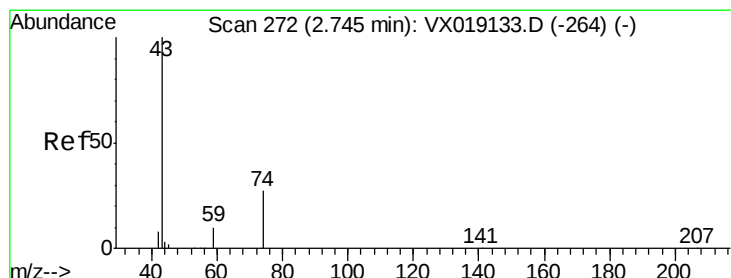
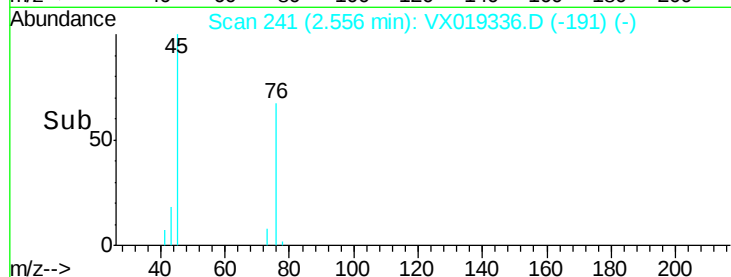


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#18

Methyl Acetate

Concen: 0.229 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX019336.D

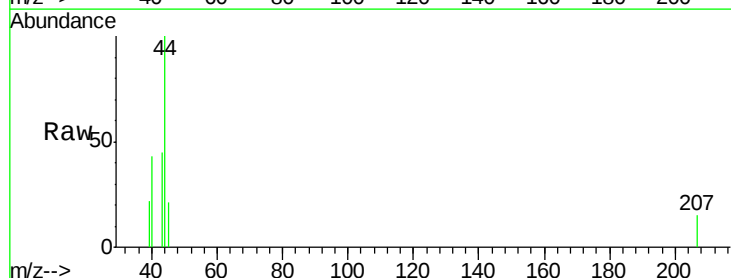
Acq: 06 Nov 2020 13:06

Tgt Ion: 43 Resp: 723

Ion Ratio Lower Upper

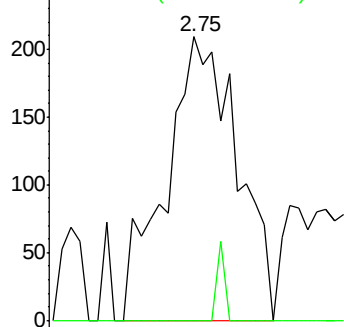
43 100

74 2.9 22.6 33.8#

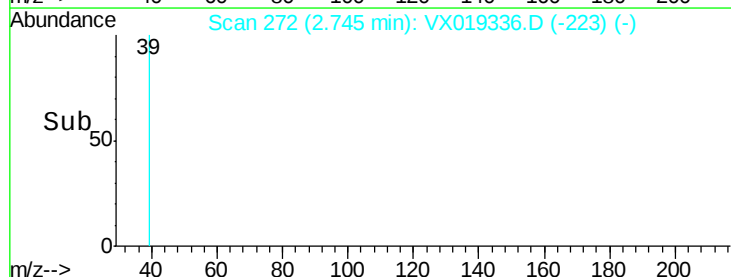


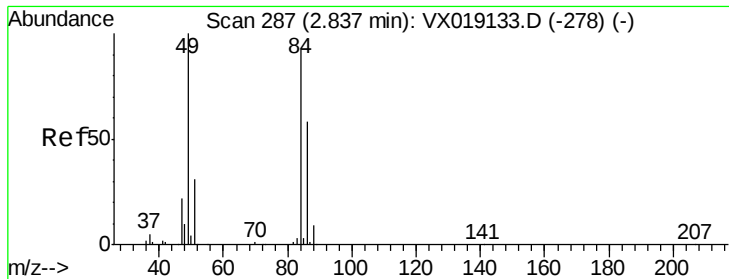
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->

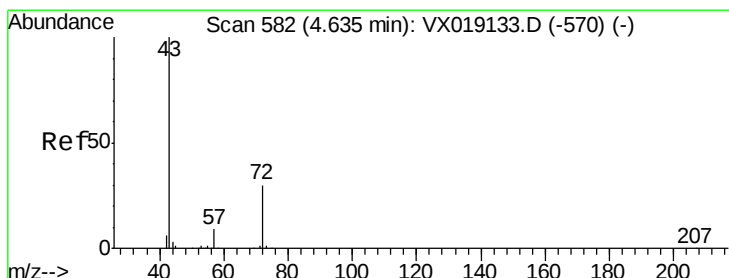
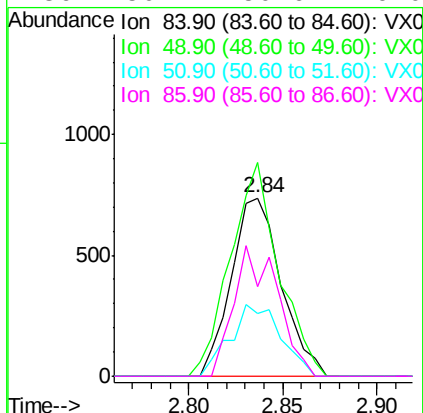
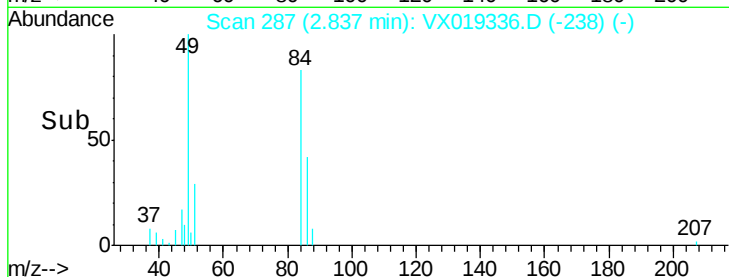
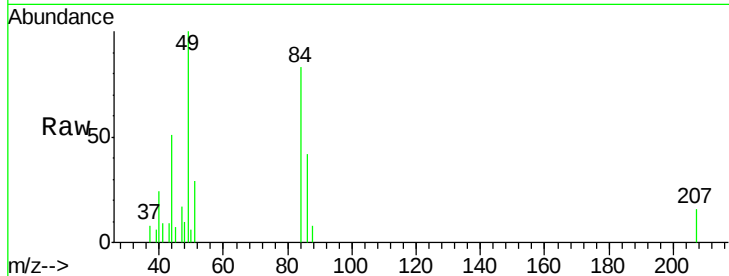




#20
Methvlene Chloride
Concen: 0.417 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019336.D
Acq: 06 Nov 2020 13:06

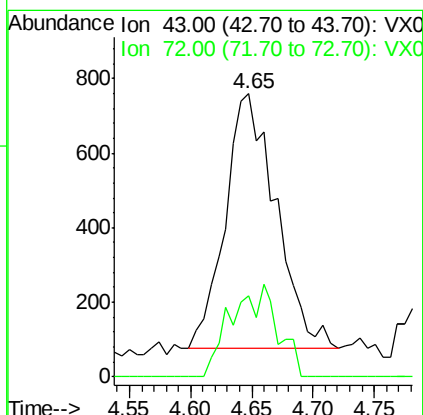
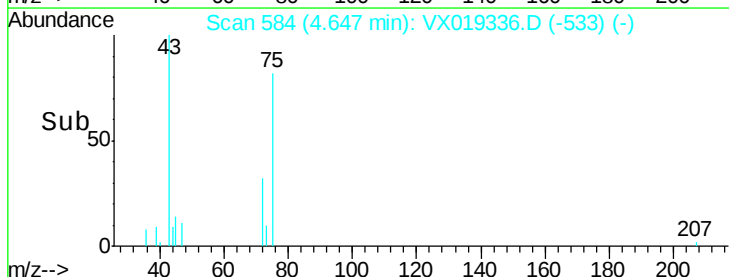
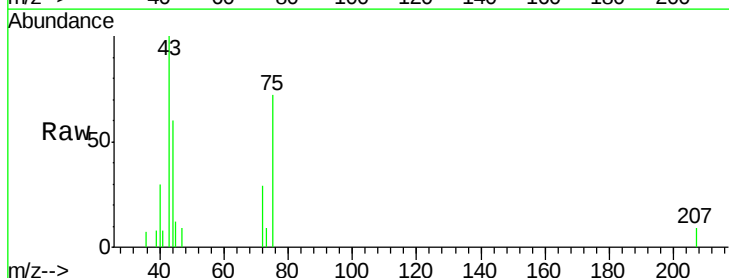
Instrument :
MSVOA_X
ClientSampleId :
FA20-GMZ5-RB1

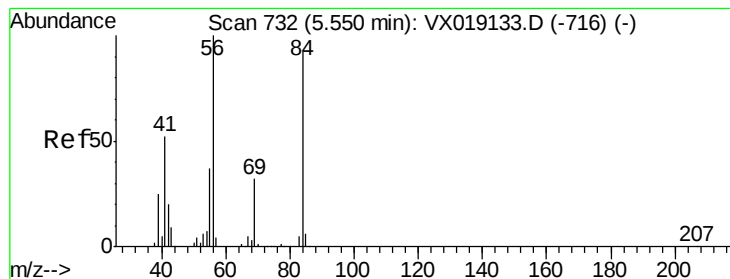
Tot Ion: 84 Resp: 1357
Ion Ratio Lower Upper
84 100
49 119.8 86.8 130.2
51 35.1 27.3 40.9
86 50.4 50.6 76.0#



#25
2-Butanone
Concen: 0.963 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX019336.D
Acq: 06 Nov 2020 13:06

Tgt Ion: 43 Resp: 1968
Ion Ratio Lower Upper
43 100
72 31.8 24.6 36.8





#31

Cyclohexane

Concen: 1.347 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019336.D

Acq: 06 Nov 2020 13:06

Instrument :

MSVOA_X

ClientSampleId :

FA20-GMZ5-RB1

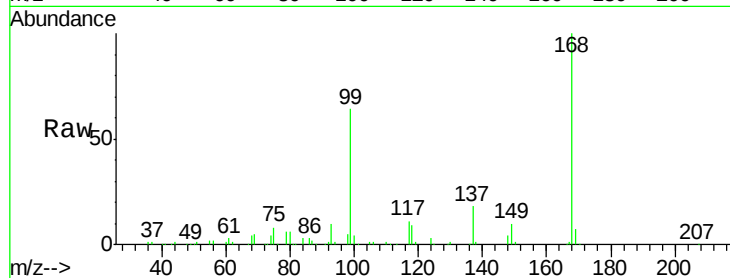
Tot Ion: 56 Resp: 6400

Ion Ratio Lower Upper

56 100

69 198.6 25.9 38.9#

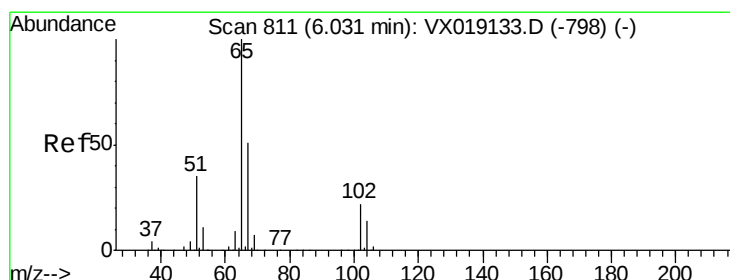
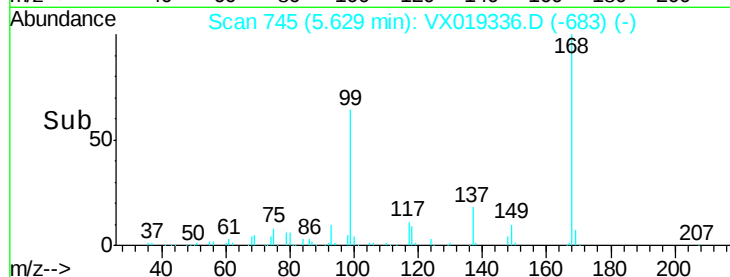
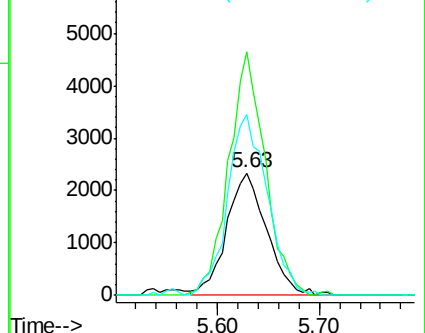
84 147.2 73.4 110.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 53.967 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019336.D

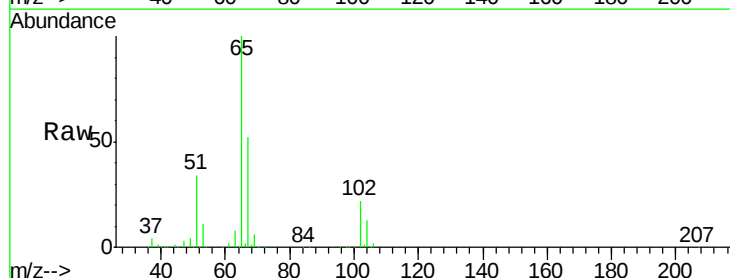
Acq: 06 Nov 2020 13:06

Tgt Ion: 65 Resp: 202802

Ion Ratio Lower Upper

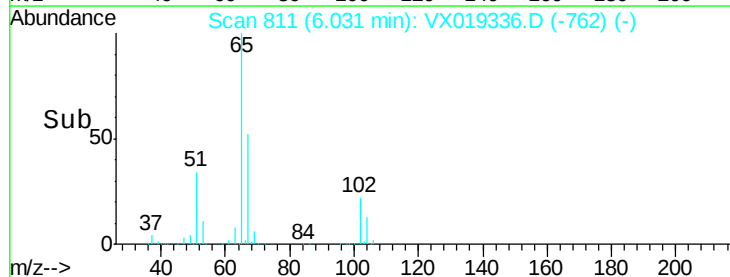
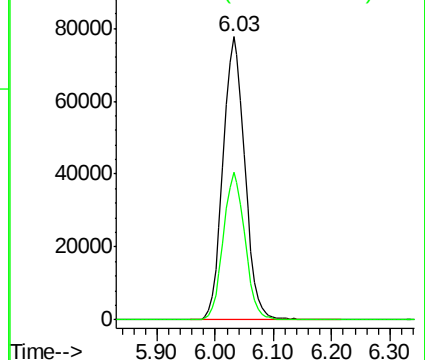
65 100

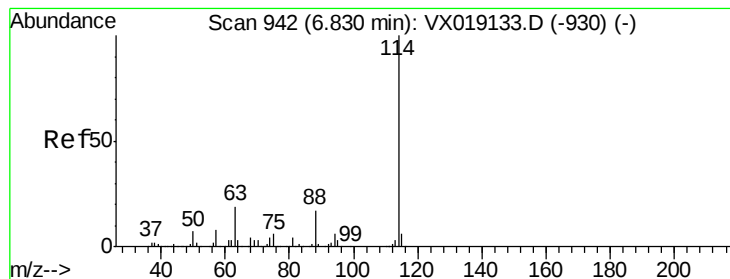
67 51.7 0.0 103.0



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019336.D

Acq: 06 Nov 2020 13:06

Instrument :

MSVOA_X

ClientSampleId :

FA20-GMZ5-RB1

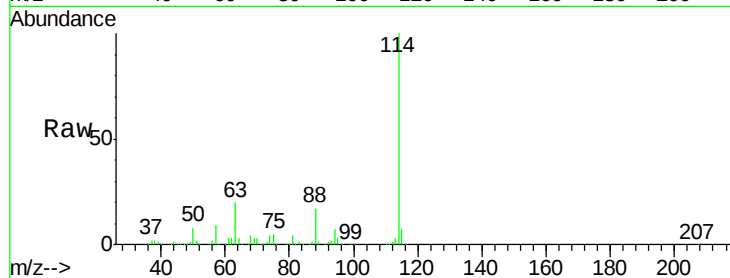
Tot Ion:114 Resp: 515750

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.8

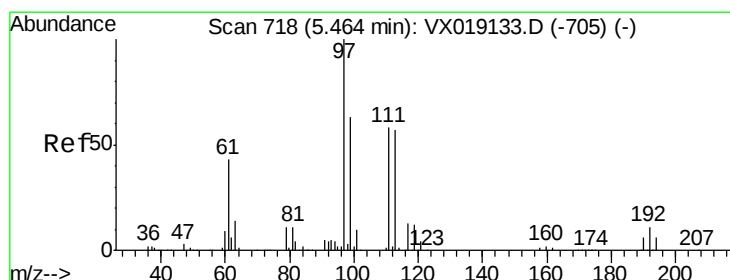
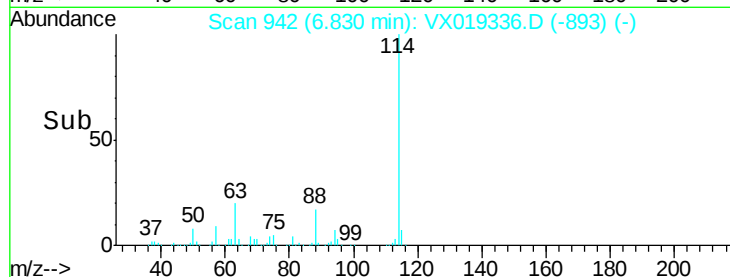
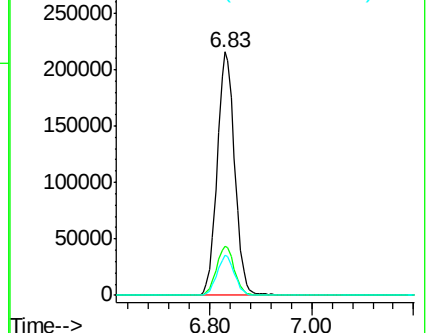
88 16.7 0.0 34.2



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: 49.225 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019336.D

Acq: 06 Nov 2020 13:06

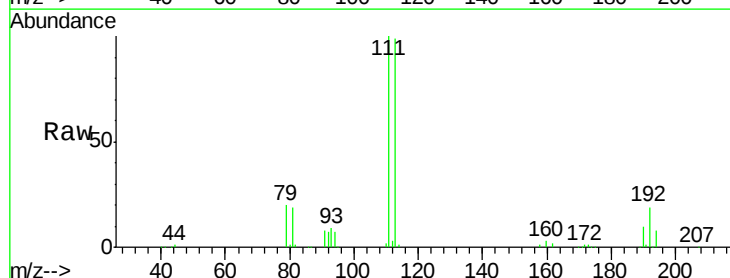
Tgt Ion:113 Resp: 159470

Ion Ratio Lower Upper

113 100

111 102.9 82.3 123.5

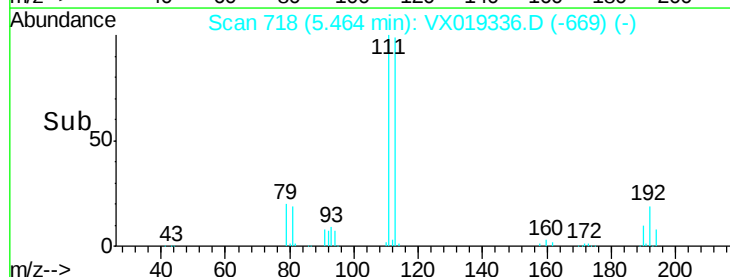
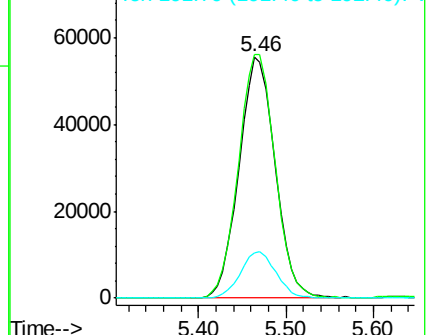
192 19.1 16.2 24.2

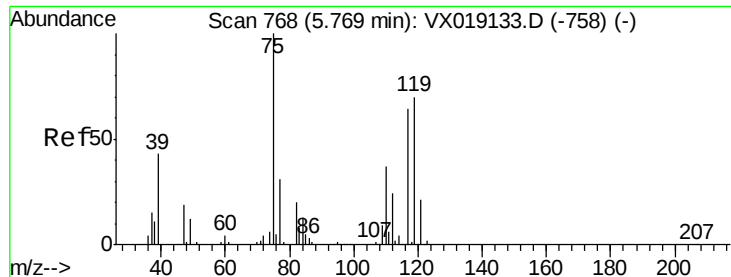


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

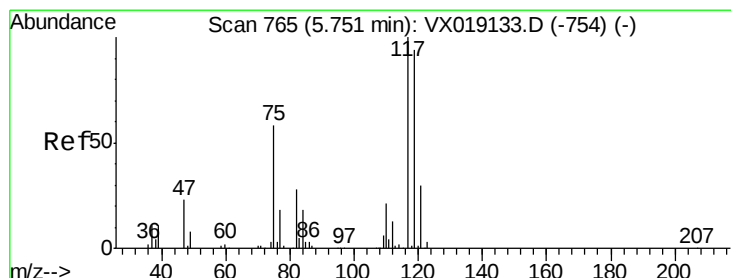
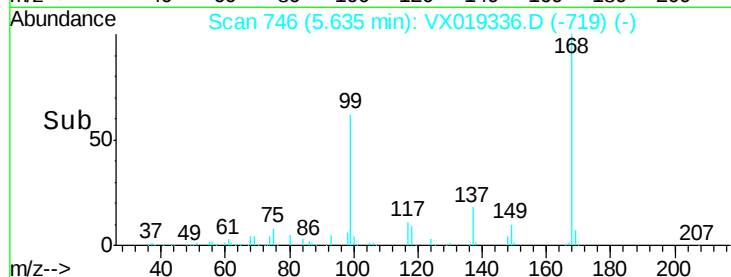
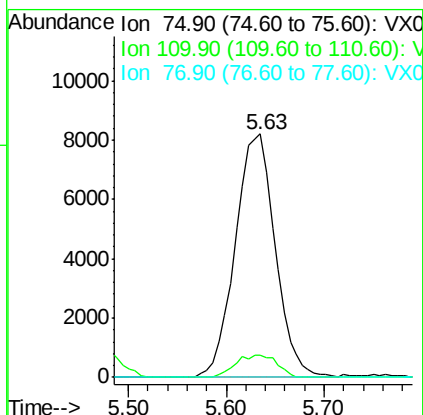
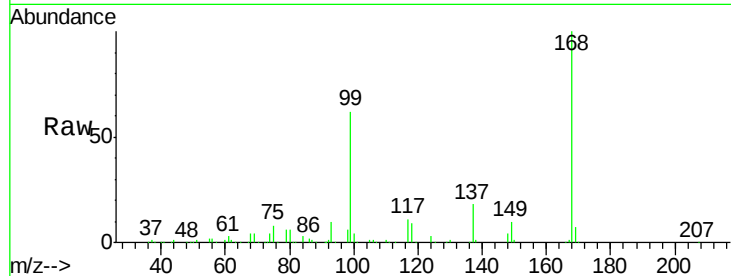




#36
 1,1-Dichloropropene
 Concen: 4.890 ug/l
 RT: 5.63 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX019336.D
 Acq: 06 Nov 2020 13:06

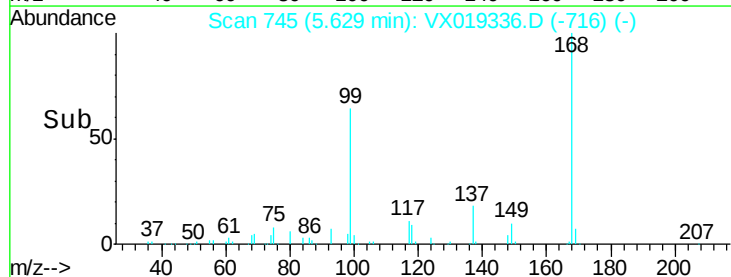
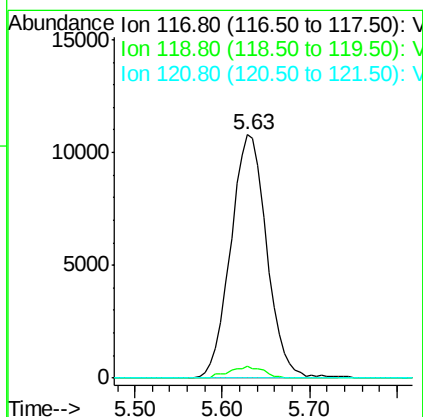
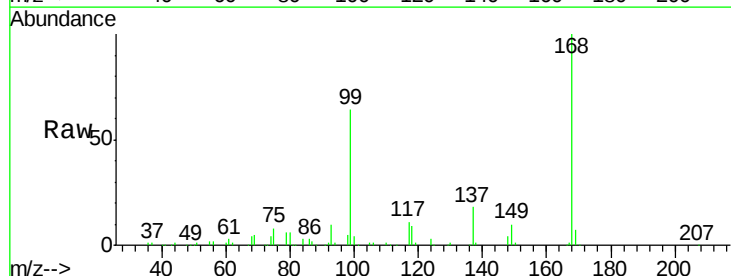
Instrument :
 MSVOA_X
 ClientSampleId :
 FA20-GMZ5-RB1

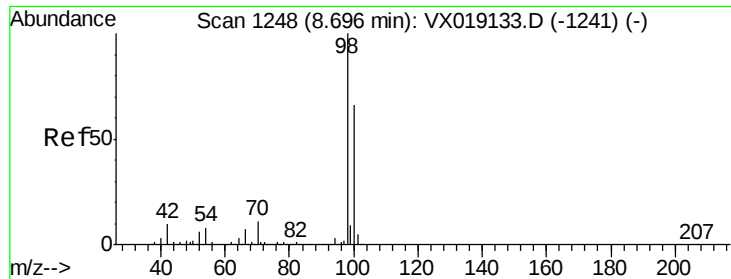
Tot Ion: 75 Resp: 23287
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.3 54.9#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.366 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX019336.D
 Acq: 06 Nov 2020 13:06

Tgt Ion: 117 Resp: 30905
 Ion Ratio Lower Upper
 117 100
 119 5.0 75.0 112.6#
 121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 51.056 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019336.D

Acq: 06 Nov 2020 13:06

Instrument :

MSVOA_X

ClientSampleId :

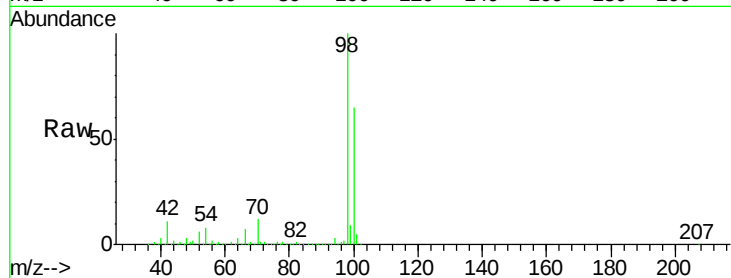
FA20-GMZ5-RB1

Tot Ion: 98 Resp: 623504

Ion Ratio Lower Upper

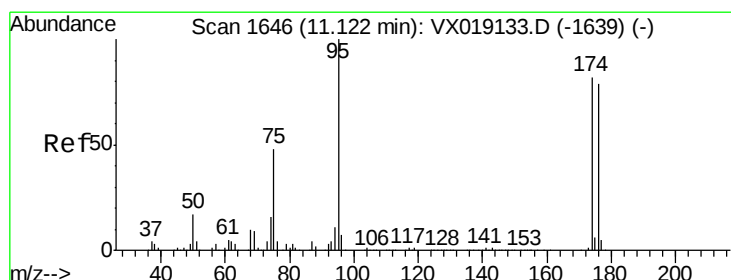
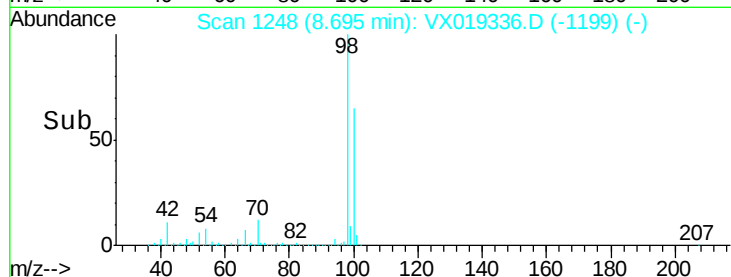
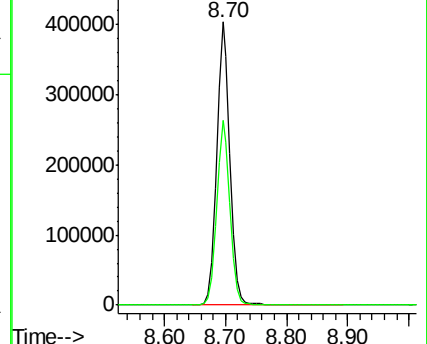
98 100

100 65.8 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#62

4-Bromofluorobenzene

Concen: 52.585 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019336.D

Acq: 06 Nov 2020 13:06

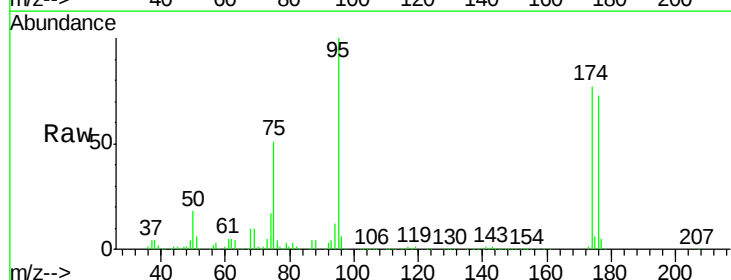
Tgt Ion: 95 Resp: 243197

Ion Ratio Lower Upper

95 100

174 76.5 0.0 156.0

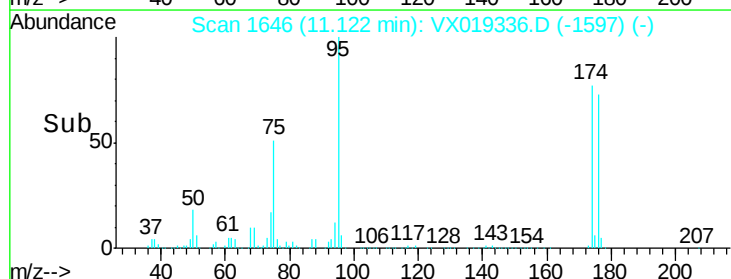
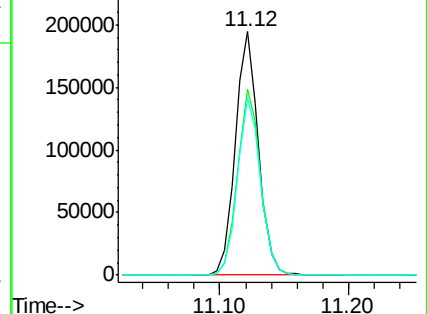
176 73.3 0.0 149.8

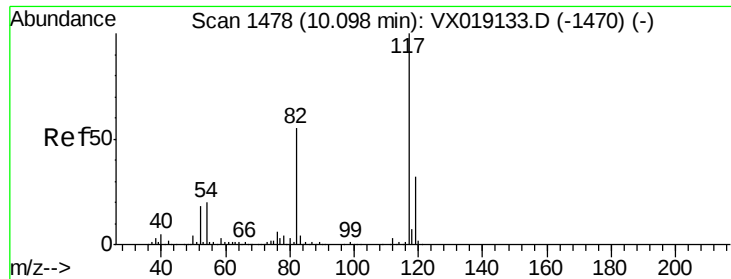


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

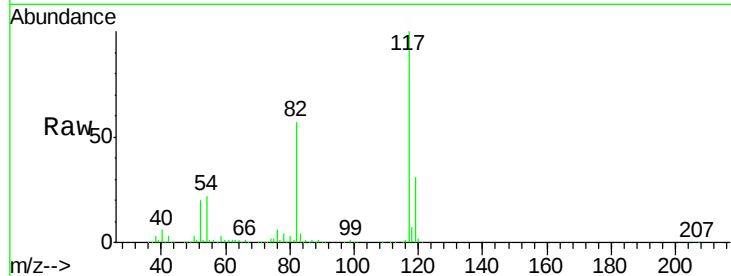




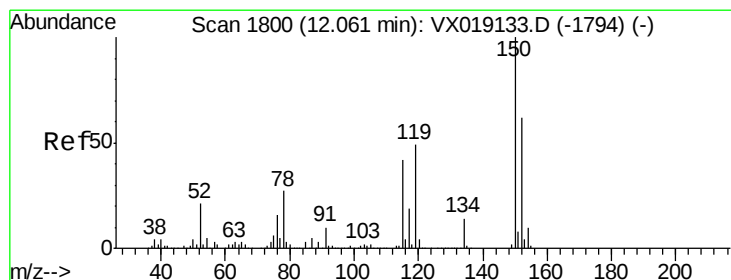
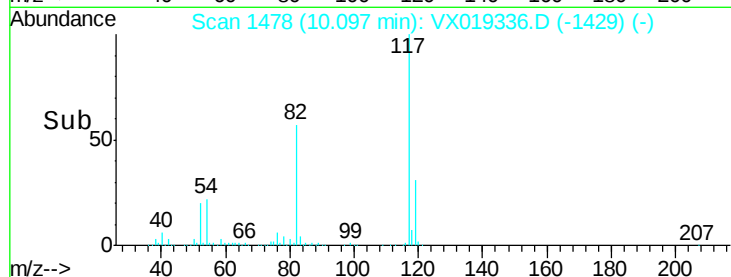
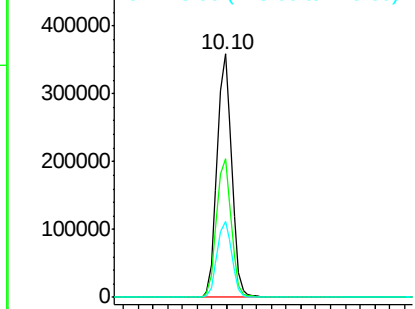
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019336.D
Acq: 06 Nov 2020 13:06

Instrument :
MSVOA_X
ClientSampleId :
FA20-GMZ5-RB1

Tot Ion:117 Resp: 483461
Ion Ratio Lower Upper
117 100
82 56.8 43.6 65.4
119 31.4 25.5 38.3

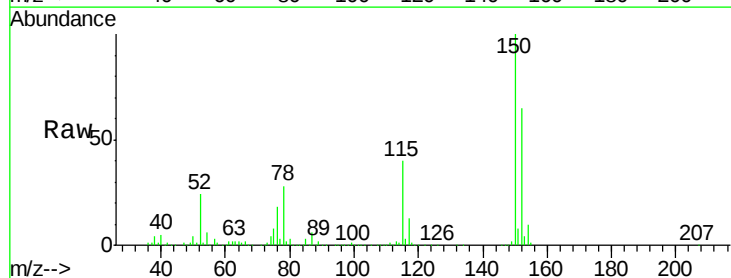


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

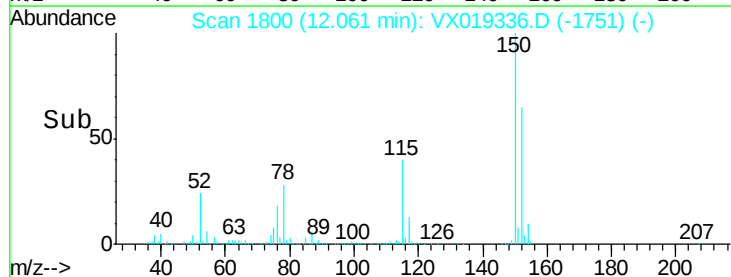
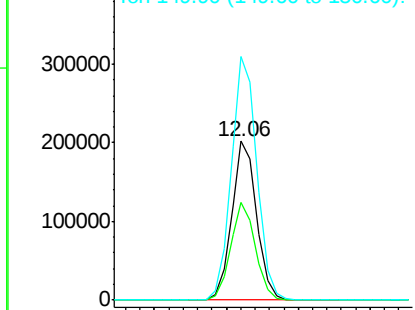


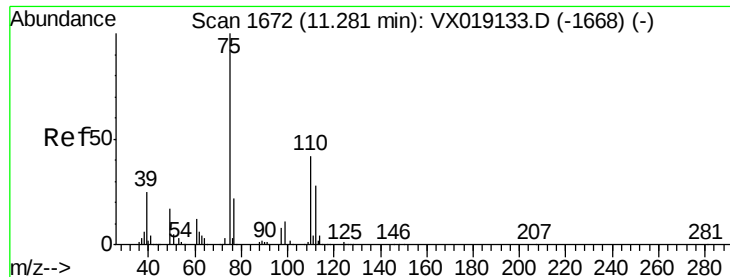
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019336.D
Acq: 06 Nov 2020 13:06

Tgt Ion:152 Resp: 244082
Ion Ratio Lower Upper
152 100
115 61.3 41.9 125.7
150 157.4 0.0 347.8



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: 24.939 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019336.D

Acq: 06 Nov 2020 13:06

Instrument :

MSVOA_X

ClientSampleId :

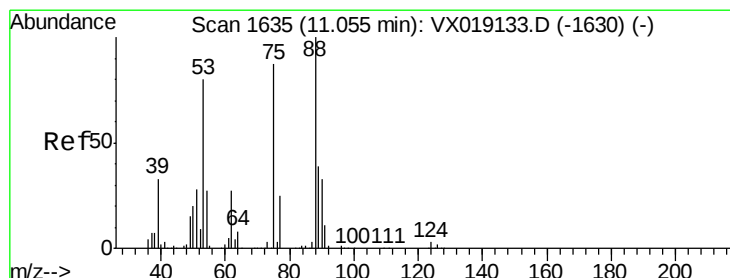
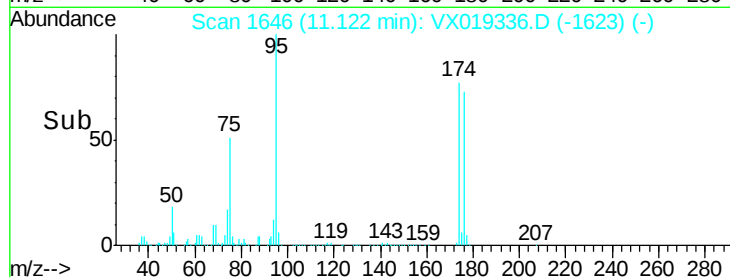
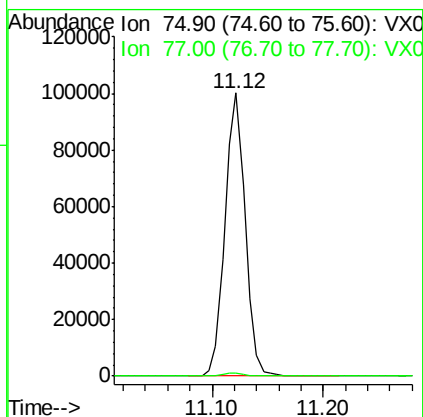
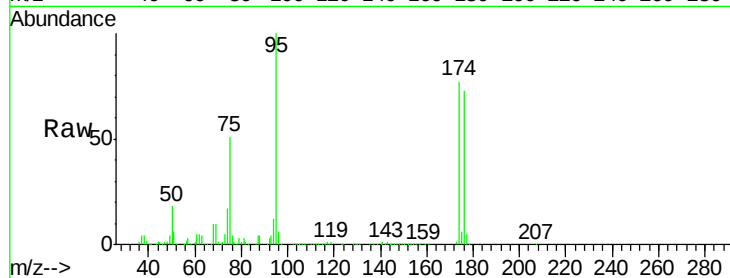
FA20-GMZ5-RB1

Tot Ion: 75 Resp: 125686

Ion Ratio Lower Upper

75 100

77 1.1 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.664 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019336.D

Acq: 06 Nov 2020 13:06

Tgt Ion: 75 Resp: 125686

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#

