

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX011020\
 Data File : VX014535.D
 Acq On : 10 Jan 2020 14:25
 Operator : JC/SP
 Sample : L1080-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB01082020

Quant Time: Jan 10 15:46:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

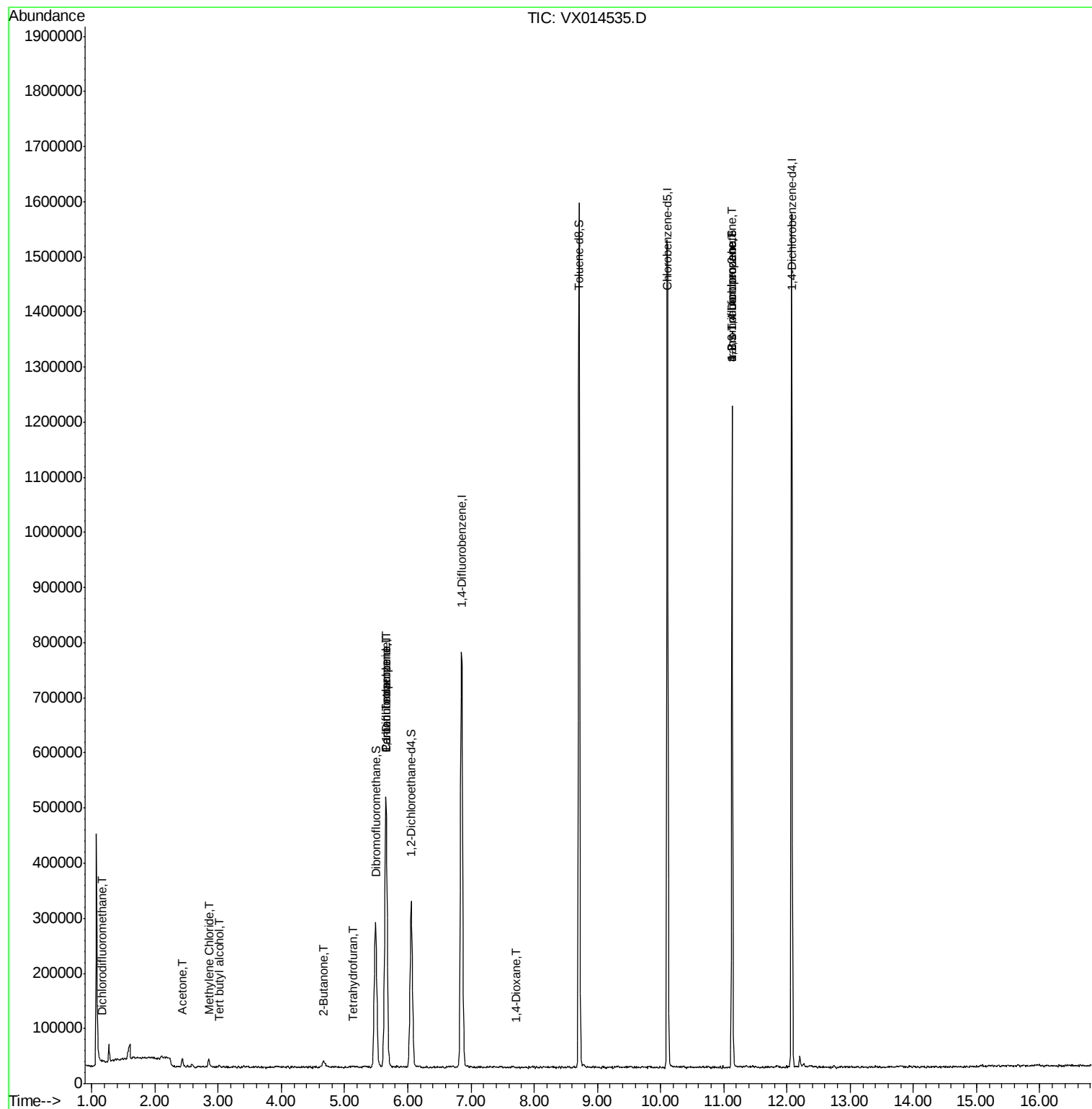
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	503874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	789240	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	700621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	322827	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	281418	50.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.06%	
35) Dibromofluoromethane	5.49	113	233602	48.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.80%	
50) Toluene-d8	8.71	98	924340	49.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	11.14	95	313286	46.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.06%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.17	85	295	0.299	ug/l #	30
6) Chloroethane	1.77	64	758	Below Cal	#	43
11) Tert butyl alcohol	3.02	59	2513	2.140	ug/l	99
16) Acetone	2.43	43	17853	2.188	ug/l	99
20) Methylene Chloride	2.85	84	8100	1.431	ug/l	96
25) 2-Butanone	4.67	43	4153	0.988	ug/l	95
29) Tetrahydrofuran	5.13	42	950	0.382	ug/l #	63
36) 1,1-Dichloropropene	5.65	75	34578	4.659	ug/l #	51
38) Carbon Tetrachloride	5.66	117	42450	6.215	ug/l #	17
49) 1,4-Dioxane	7.71	88	321	2.429	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	154768	23.171	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	154768	61.260	ug/l #	12
88) 1,4-Dichlorobenzene	12.09	146	653	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	13.64	180	440	Below Cal	#	45
96) 1,2,3-Trichlorobenzene	14.02	180	462	Below Cal		74

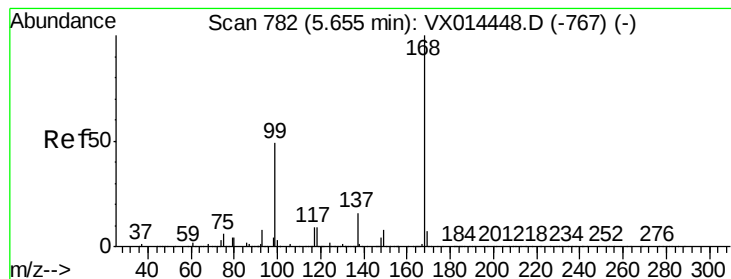
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX011020\
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Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 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: VX014535.D

Acq: 10 Jan 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

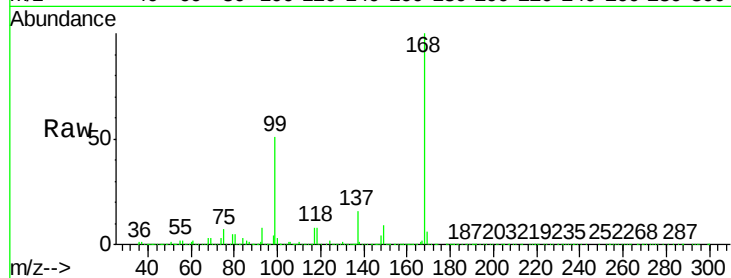
FB01082020

Tgt Ion:168 Resp: 503874

Ion Ratio Lower Upper

168 100

99 51.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

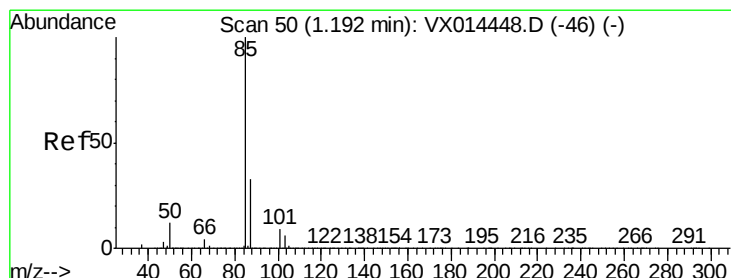
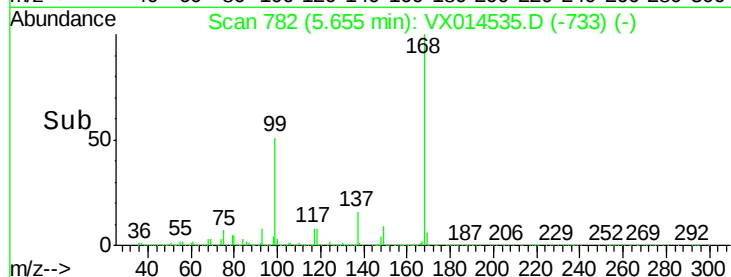
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.299 ug/l

RT: 1.17 min Scan# 47

Delta R.T. -0.02 min

Lab File: VX014535.D

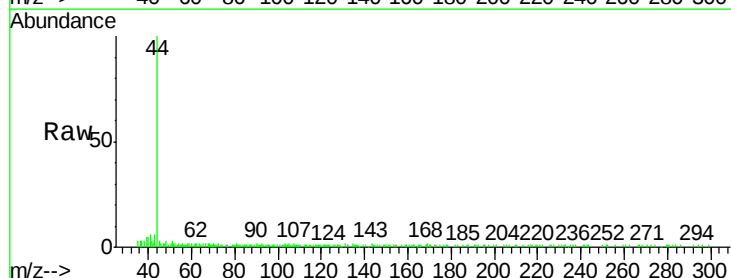
Acq: 10 Jan 2020 14:25

Tgt Ion: 85 Resp: 295

Ion Ratio Lower Upper

85 100

87 72.4 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400

300

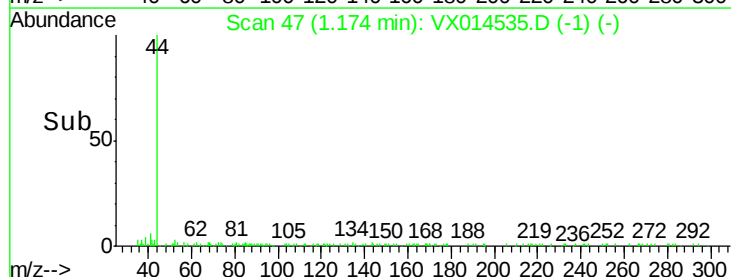
200

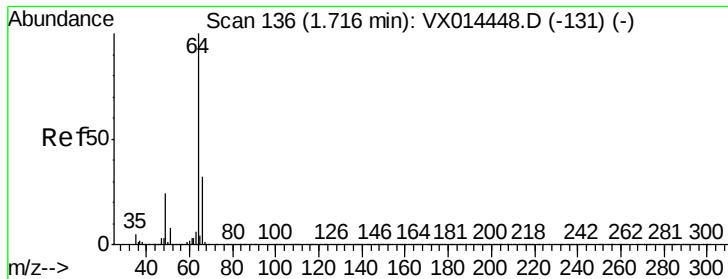
100

0

Time-->

1.16 1.18





#6

Chloroethane

Concen: Below Cal

RT: 1.77 min Scan# 145

Delta R.T. 0.06 min

Lab File: VX014535.D

Acq: 10 Jan 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

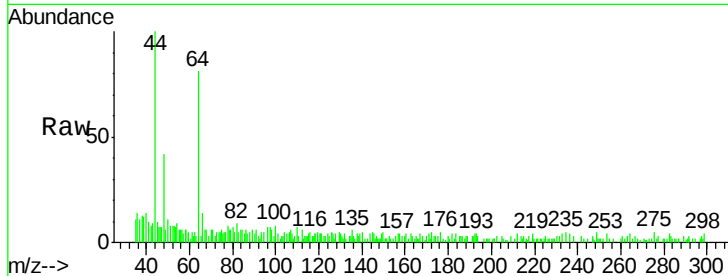
FB01082020

Tgt Ion: 64 Resp: 758

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.77

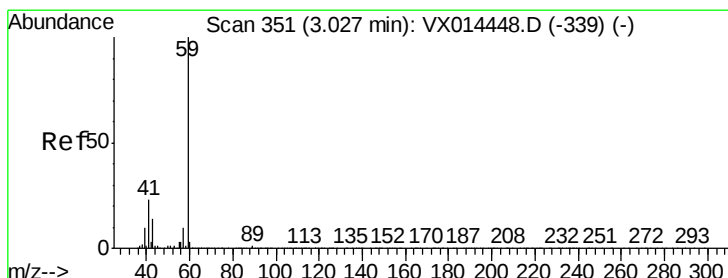
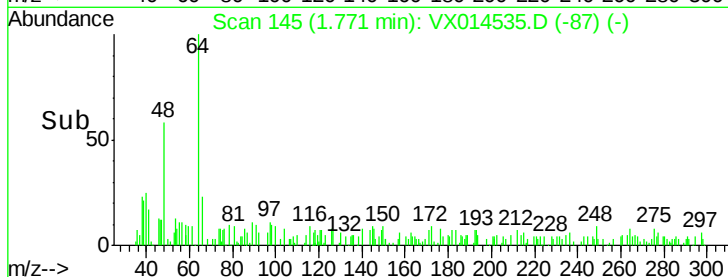
3000

2000

1000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.140 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX014535.D

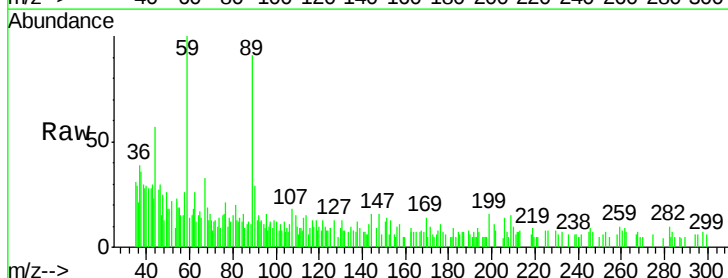
Acq: 10 Jan 2020 14:25

Tgt Ion: 59 Resp: 2513

Ion Ratio Lower Upper

59 100

57 10.2 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

1200

1000

800

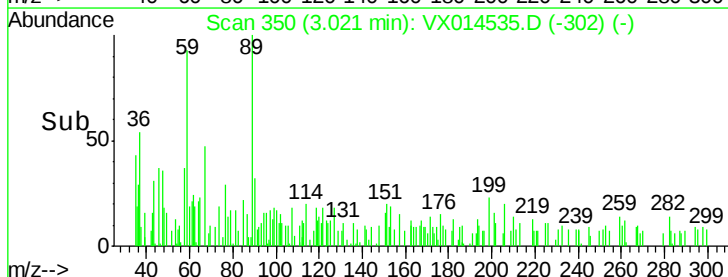
600

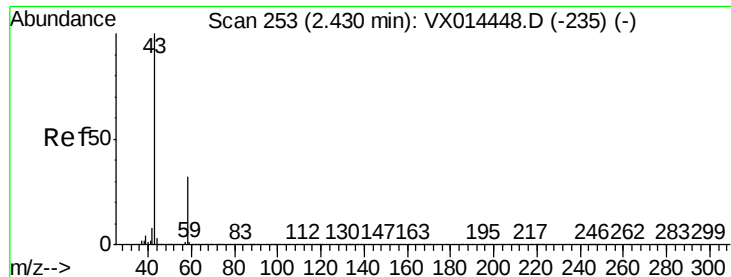
400

200

0

Time-->





#16

Acetone

Concen: 2.188 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014535.D

Acq: 10 Jan 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

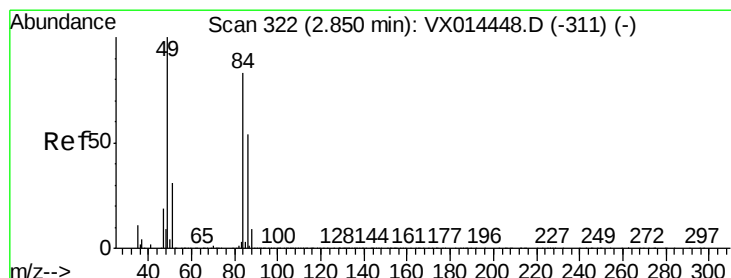
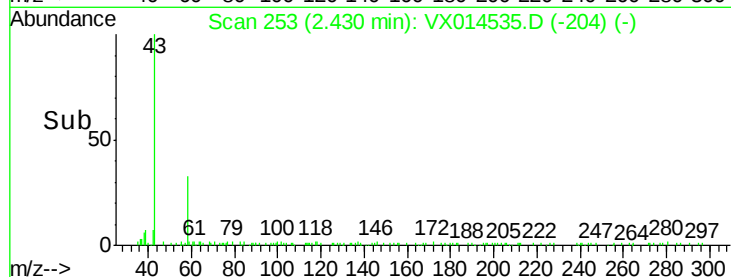
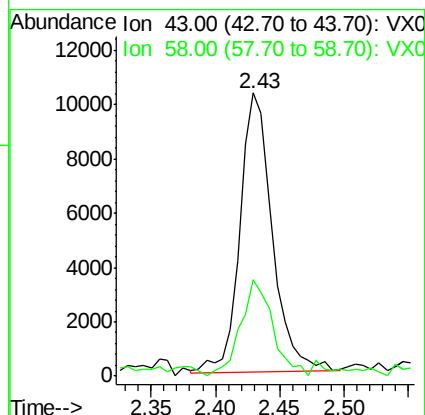
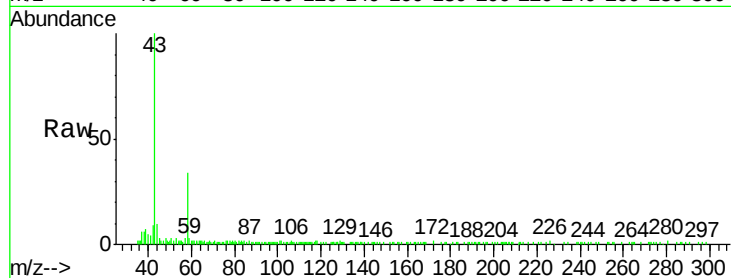
FB01082020

Tgt Ion: 43 Resp: 17853

Ion Ratio Lower Upper

43 100

58 32.2 25.4 38.0



#20

Methylene Chloride

Concen: 1.431 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014535.D

Acq: 10 Jan 2020 14:25

Tgt Ion: 84 Resp: 8100

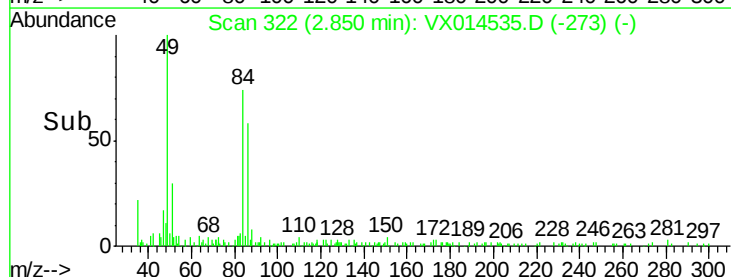
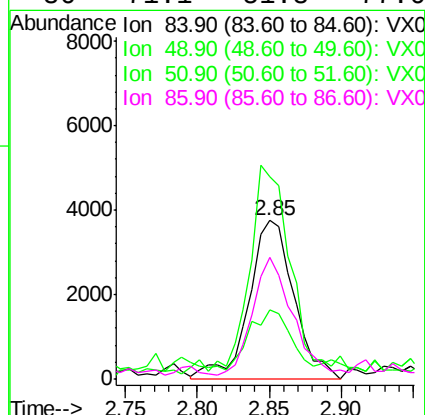
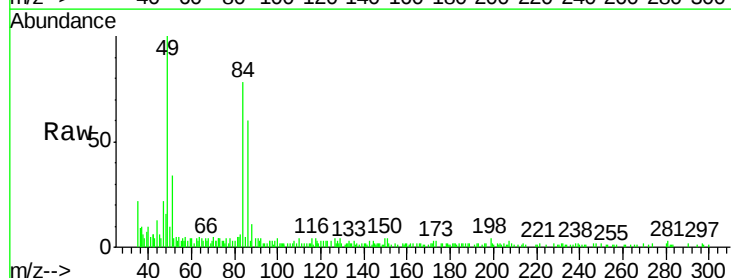
Ion Ratio Lower Upper

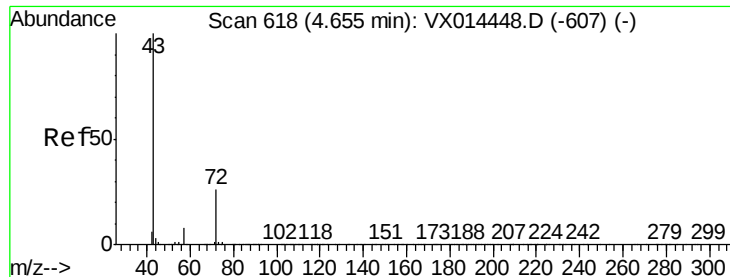
84 100

49 120.4 95.8 143.8

51 33.5 30.2 45.4

86 71.1 51.8 77.6





#25

2-Butanone

Concen: 0.988 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX014535.D

Acq: 10 Jan 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

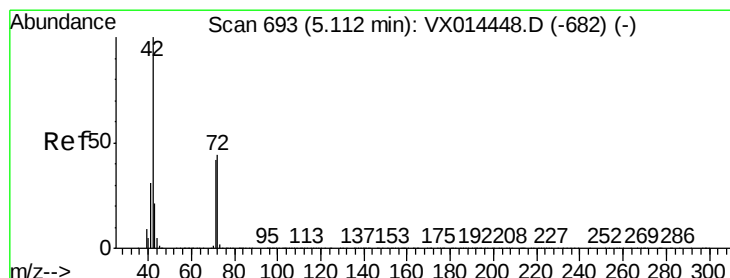
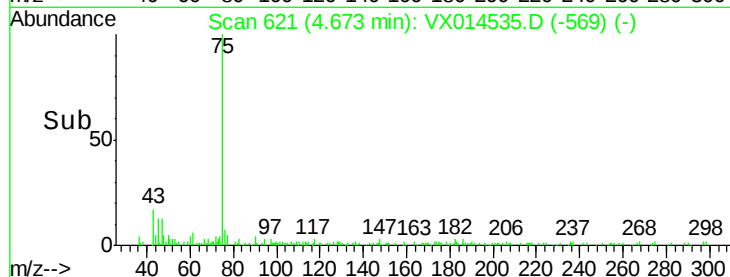
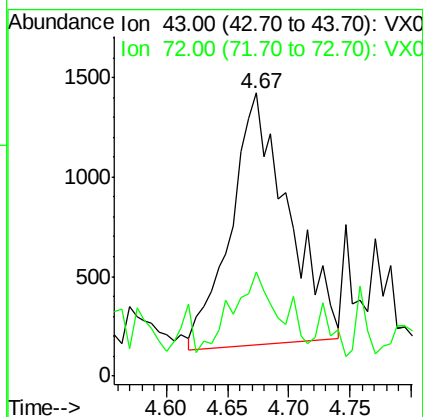
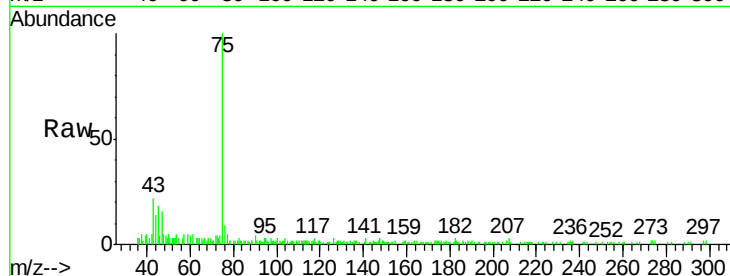
FB01082020

Tgt Ion: 43 Resp: 4153

Ion Ratio Lower Upper

43 100

72 23.4 20.6 31.0



#29

Tetrahydrofuran

Concen: 0.382 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX014535.D

Acq: 10 Jan 2020 14:25

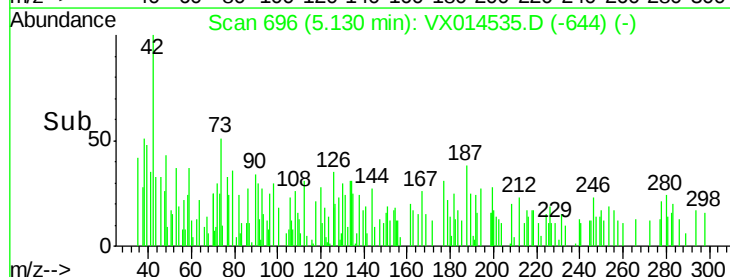
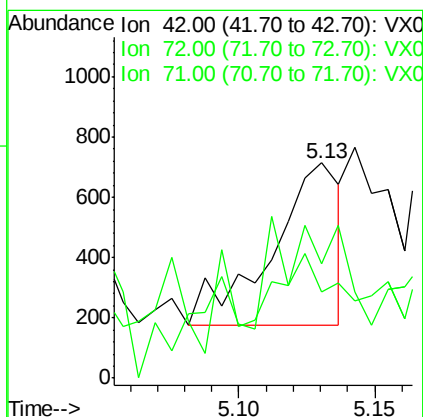
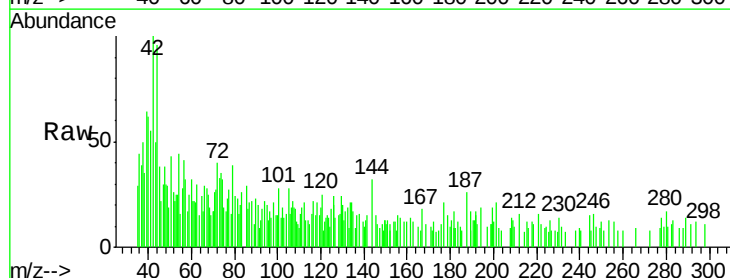
Tgt Ion: 42 Resp: 950

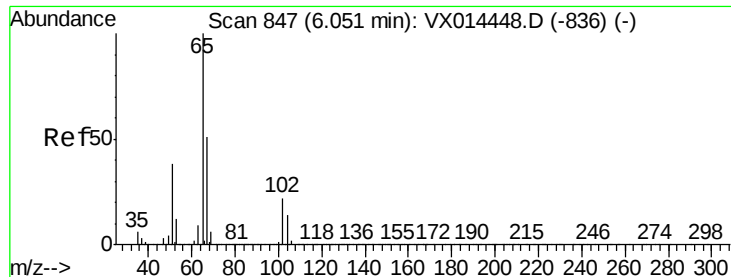
Ion Ratio Lower Upper

42 100

72 36.7 36.2 54.4

71 81.8 34.1 51.1#





#33

1,2-Dichloroethane-d4

Concen: 50.030 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014535.D

Acq: 10 Jan 2020 14:25

Instrument :

MSVOA_X

ClientSampleId :

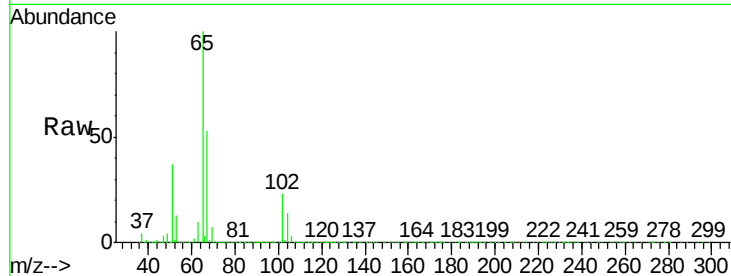
FB01082020

Tgt Ion: 65 Resp: 281418

Ion Ratio Lower Upper

65 100

67 53.3 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

120000

100000

80000

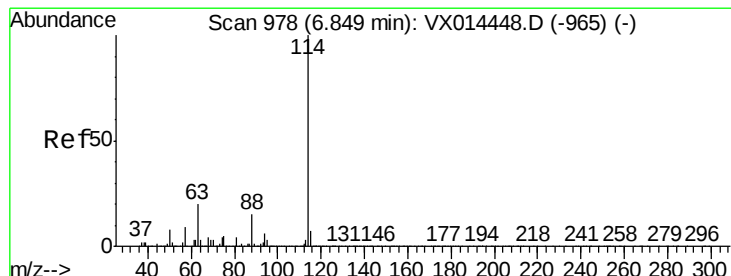
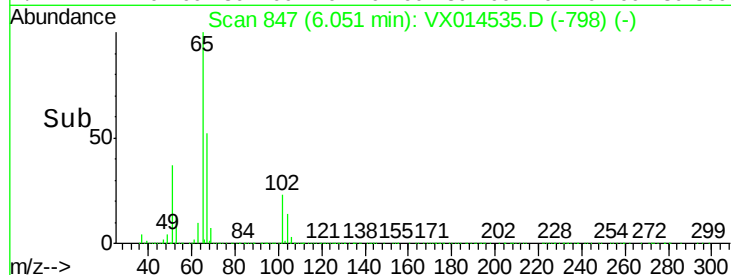
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014535.D

Acq: 10 Jan 2020 14:25

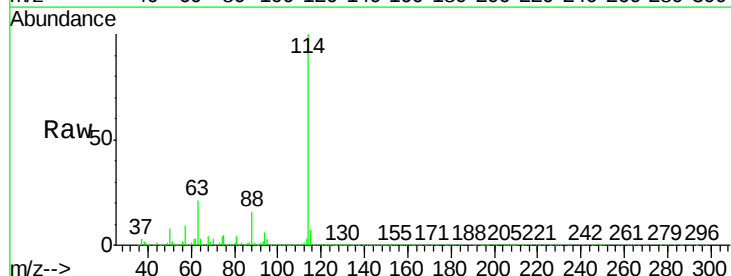
Tgt Ion: 114 Resp: 789240

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.6

88 16.0 0.0 30.8



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

6.85

400000

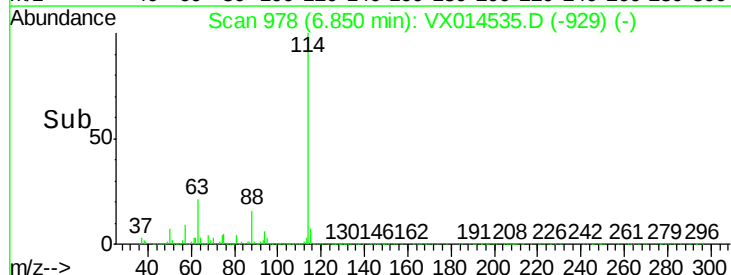
300000

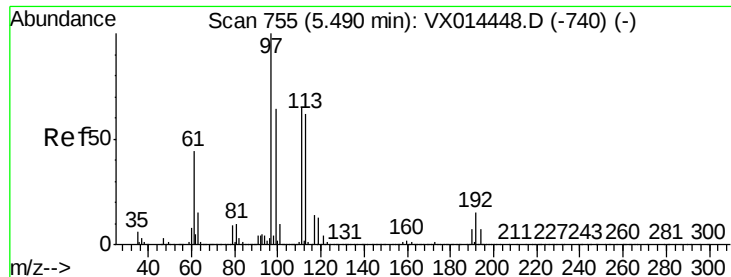
200000

100000

0

Time--> 6.70 6.80 6.90 7.00

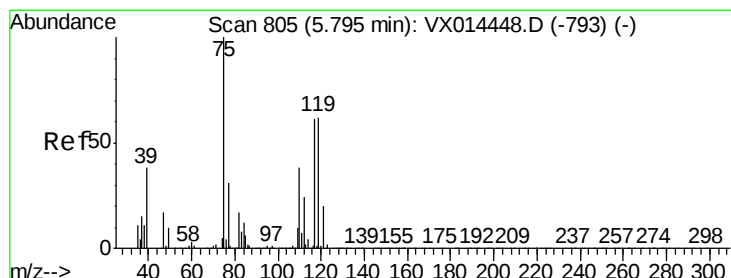
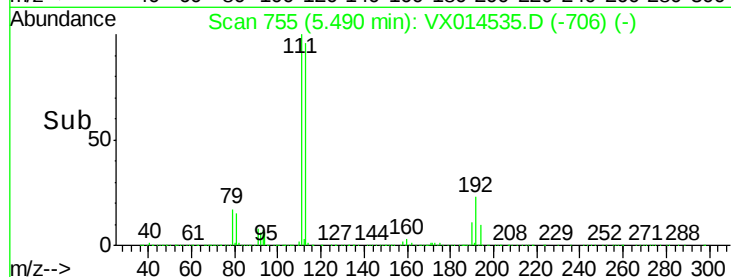
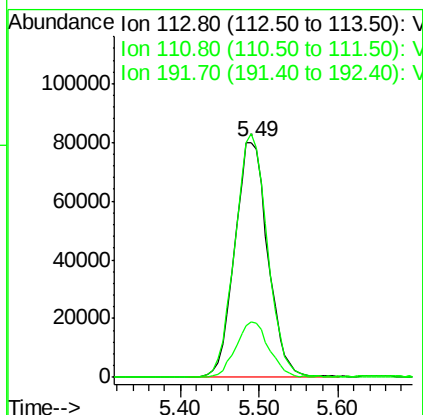
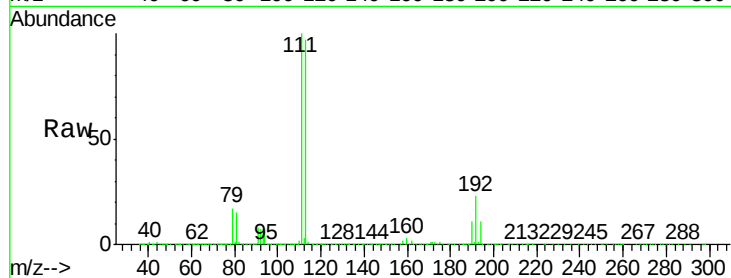




#35
Dibromofluoromethane
Concen: 48.895 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014535.D
Acq: 10 Jan 2020 14:25

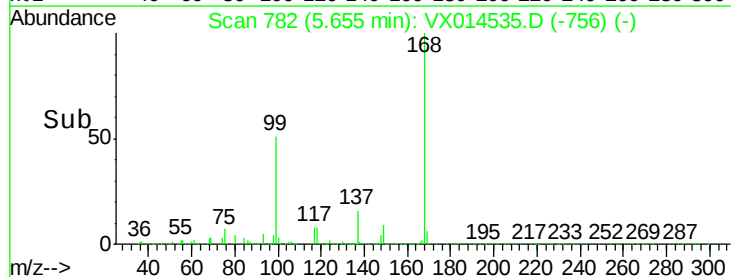
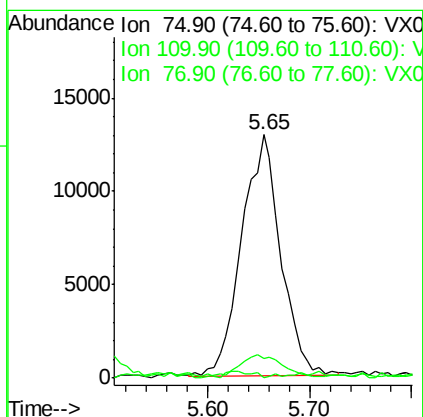
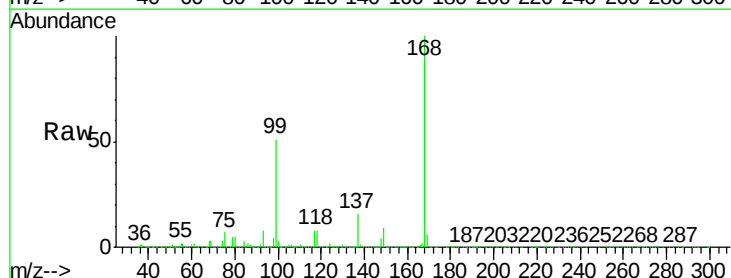
Instrument :
MSVOA_X
ClientSampled :
FB01082020

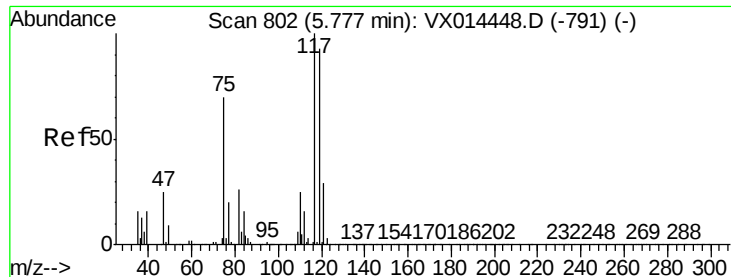
Tgt Ion:113 Resp: 233602
Ion Ratio Lower Upper
113 100
111 101.6 81.5 122.3
192 23.6 19.2 28.8



#36
1,1-Dichloropropene
Concen: 4.659 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.14 min
Lab File: VX014535.D
Acq: 10 Jan 2020 14:25

Tgt Ion: 75 Resp: 34578
Ion Ratio Lower Upper
75 100
110 10.9 18.6 55.8#
77 0.5 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.215 ug/l

RT: 5.66 min Scan# 783

Delta R.T. -0.12 min

Lab File: VX014535.D

Acq: 10 Jan 2020 14:25

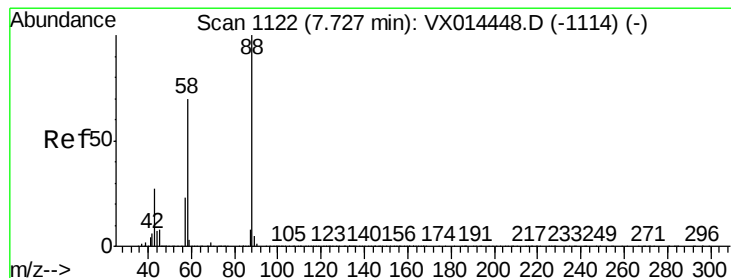
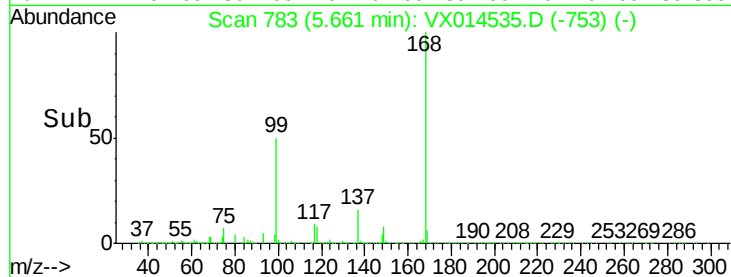
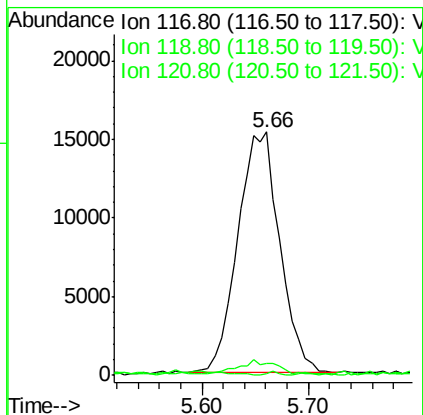
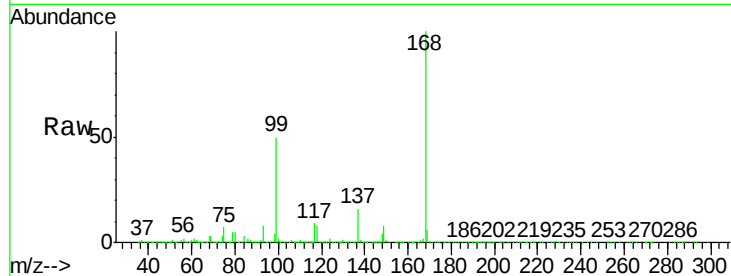
Instrument :

MSVOA_X

ClientSampled :

FB01082020

Tgt Ion:	117	Resp:	42450
Ion	Ratio	Lower	Upper
117	100		
119	4.5	73.8	110.8#
121	0.0	23.4	35.0#



#49

1,4-Dioxane

Concen: 2.429 ug/l

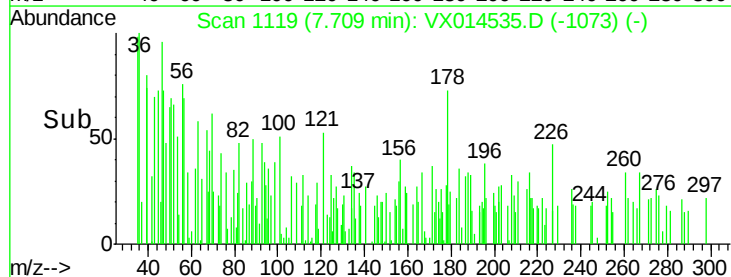
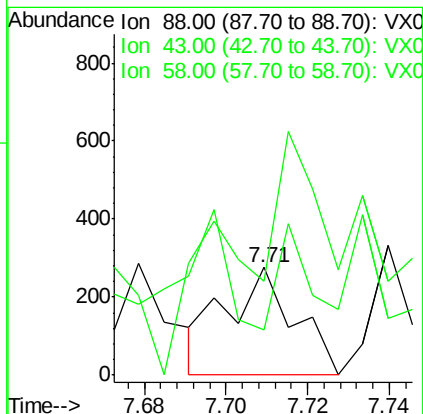
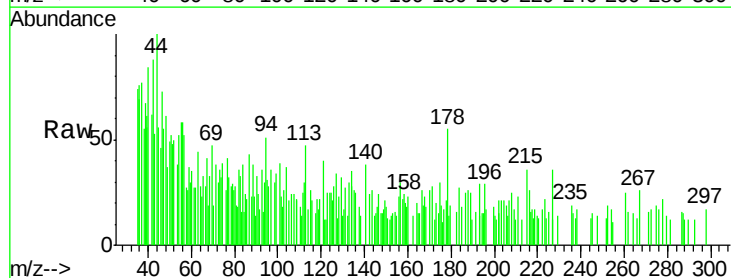
RT: 7.71 min Scan# 1119

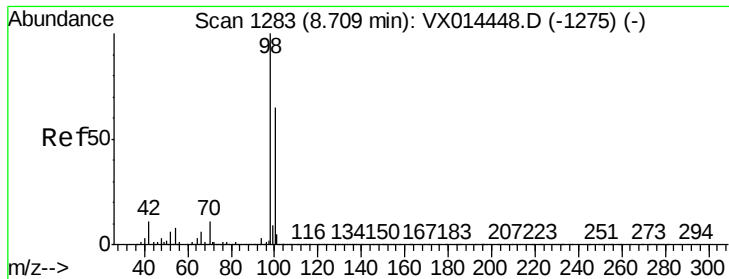
Delta R.T. -0.02 min

Lab File: VX014535.D

Acq: 10 Jan 2020 14:25

Tgt Ion:	88	Resp:	321
Ion	Ratio	Lower	Upper
88	100		
43	425.2	27.4	41.0#
58	62.3	57.1	85.7

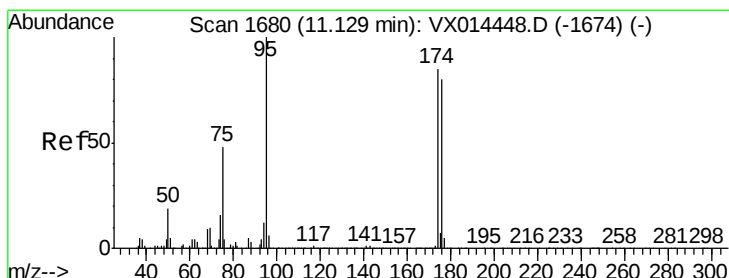
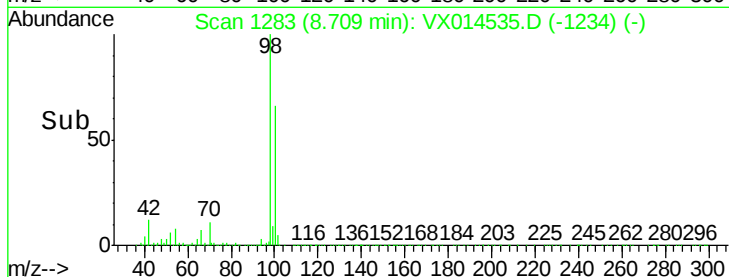
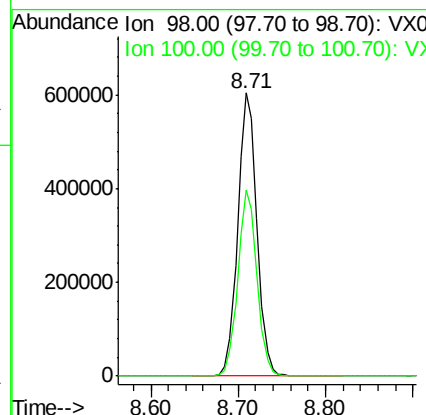
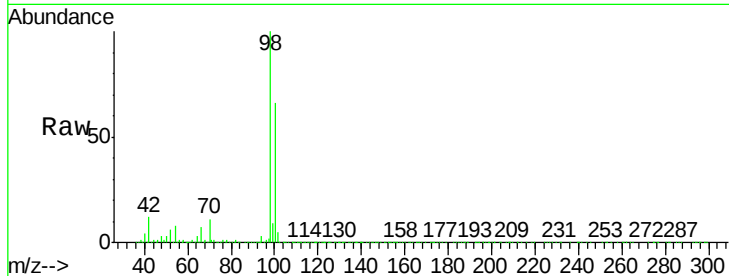




#50
Toluene-d8
Concen: 49.856 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014535.D
Acq: 10 Jan 2020 14:25

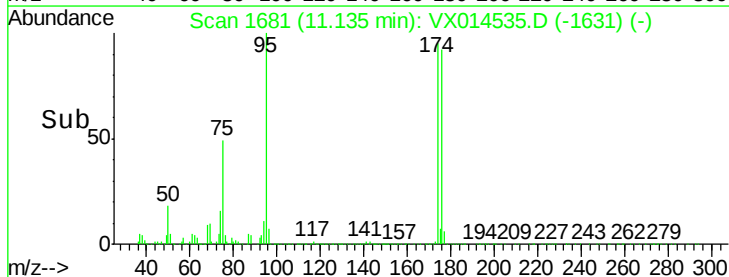
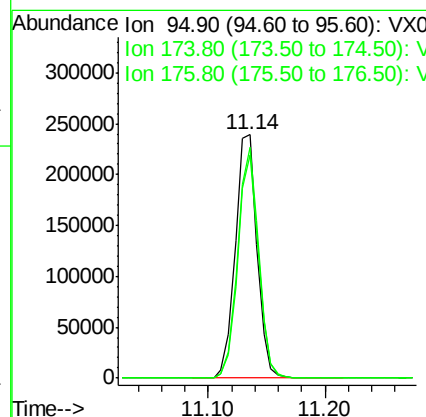
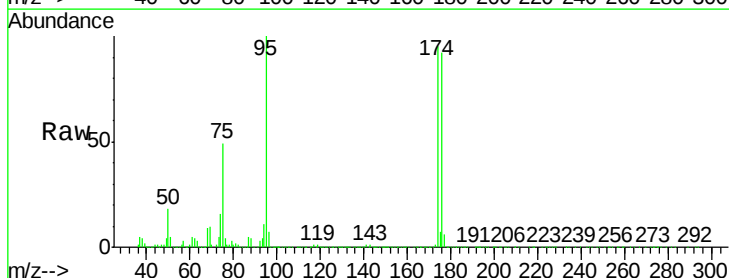
Instrument :
MSVOA_X
ClientSampleId :
FB01082020

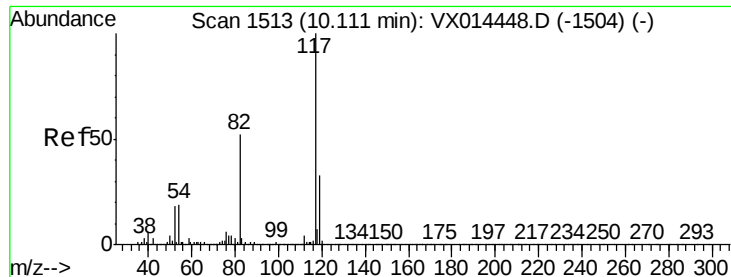
Tgt Ion: 98 Resp: 924340
Ion Ratio Lower Upper
98 100
100 65.7 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 46.028 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014535.D
Acq: 10 Jan 2020 14:25

Tgt Ion: 95 Resp: 313286
Ion Ratio Lower Upper
95 100
174 90.7 0.0 180.8
176 87.0 0.0 172.8

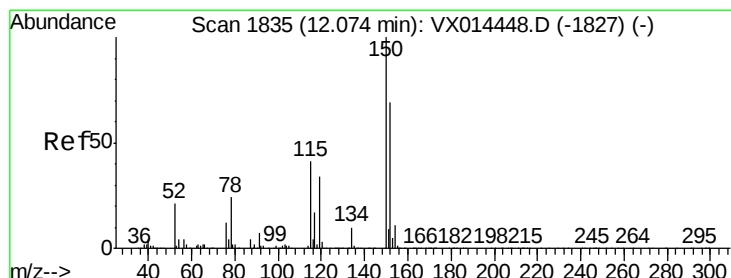
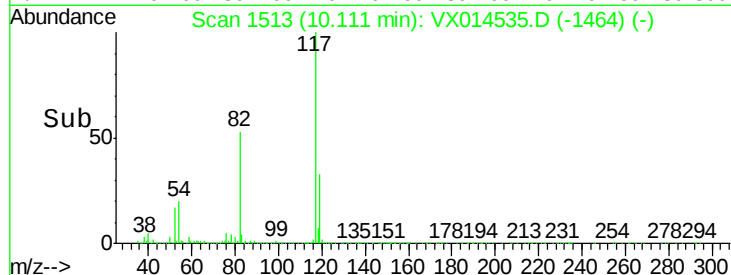
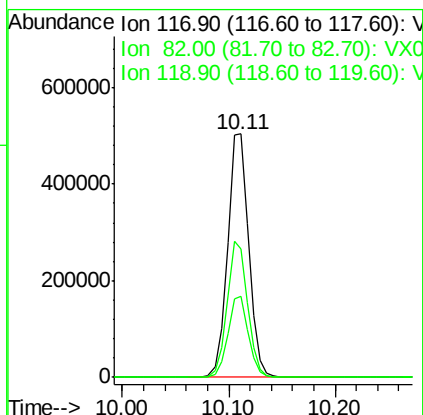
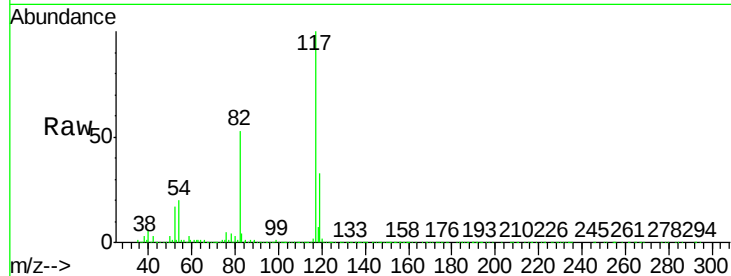




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014535.D
Acq: 10 Jan 2020 14:25

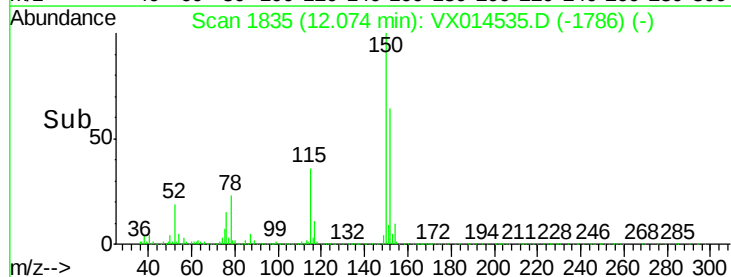
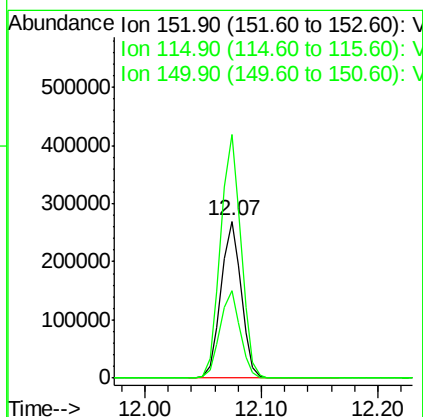
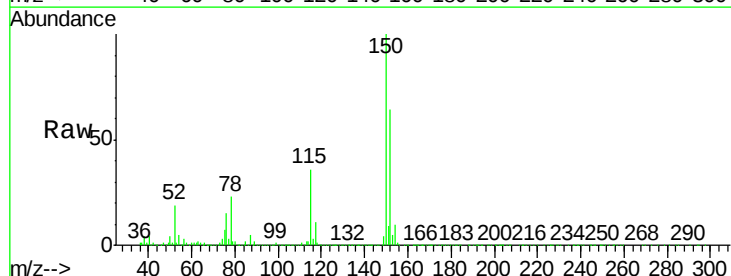
Instrument :
MSVOA_X
ClientSampleId :
FB01082020

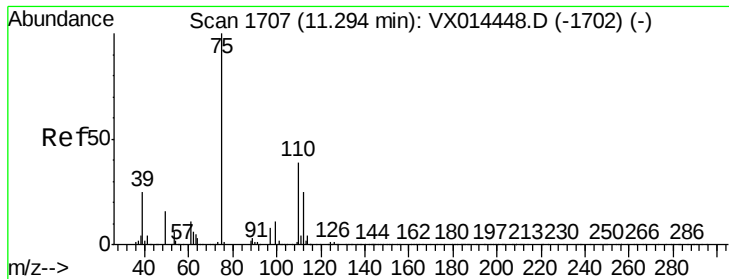
Tgt Ion:117 Resp: 700621
Ion Ratio Lower Upper
117 100
82 52.9 41.8 62.6
119 33.3 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014535.D
Acq: 10 Jan 2020 14:25

Tgt Ion:152 Resp: 322827
Ion Ratio Lower Upper
152 100
115 55.7 39.5 118.3
150 156.9 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 23.171 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014535.D

Acq: 10 Jan 2020 14:25

Instrument :

MSVOA_X

ClientSampled :

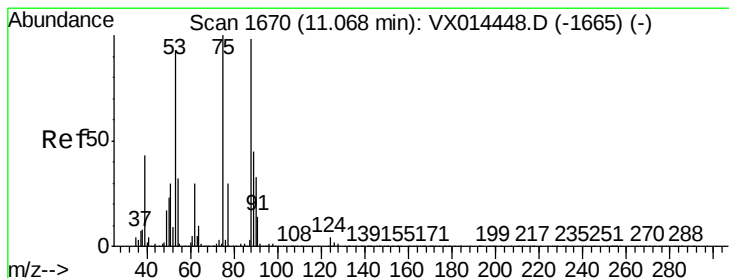
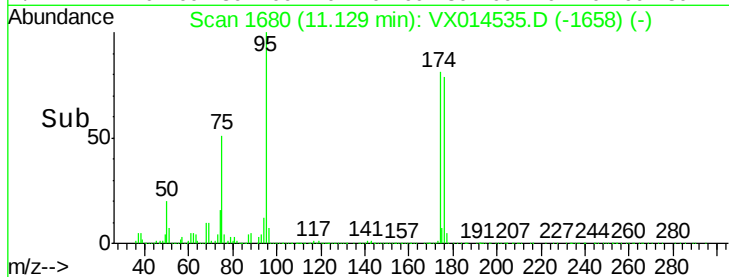
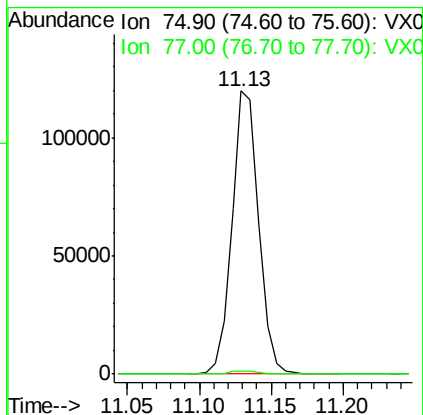
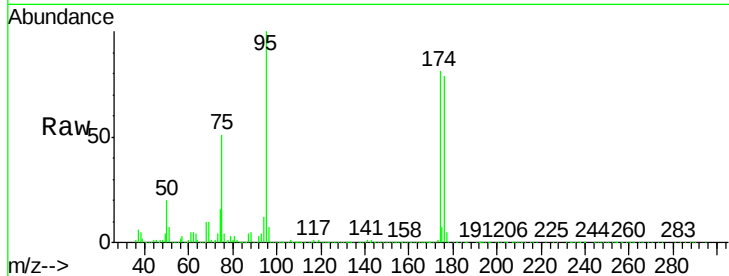
FB01082020

Tgt Ion: 75 Resp: 154768

Ion Ratio Lower Upper

75 100

77 1.6 21.9 65.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.260 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014535.D

Acq: 10 Jan 2020 14:25

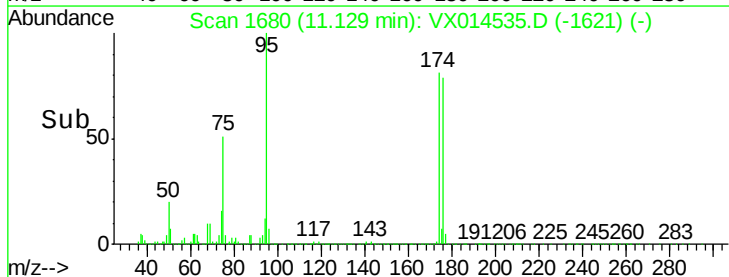
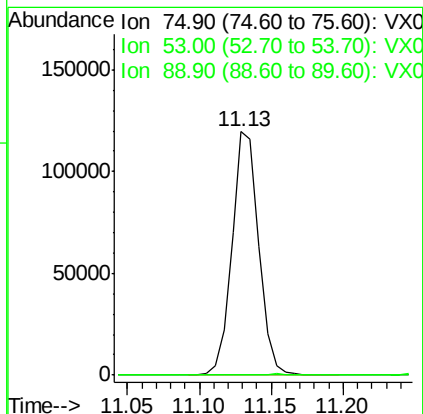
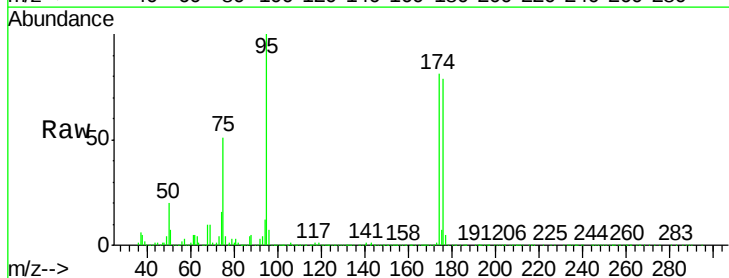
Tgt Ion: 75 Resp: 154768

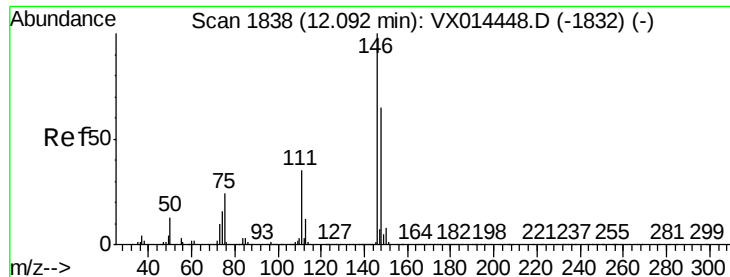
Ion Ratio Lower Upper

75 100

53 0.3 74.8 112.2#

89 0.1 36.3 54.5#

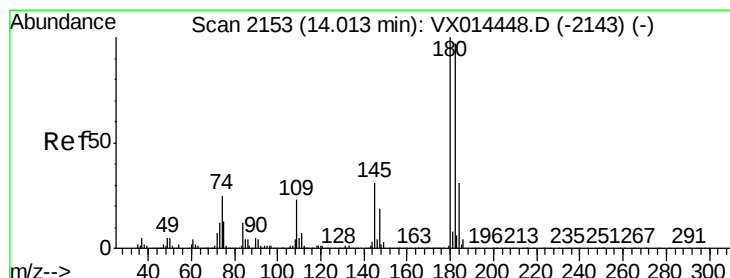
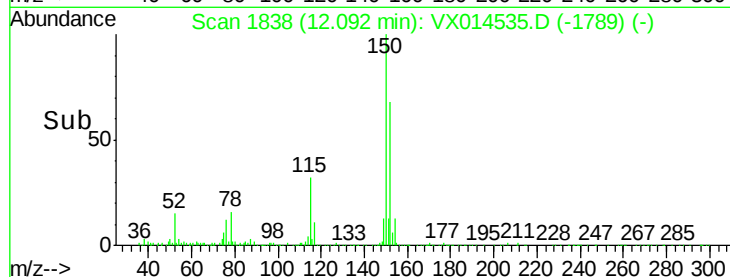
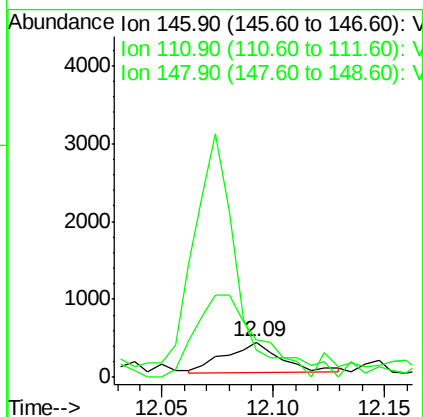
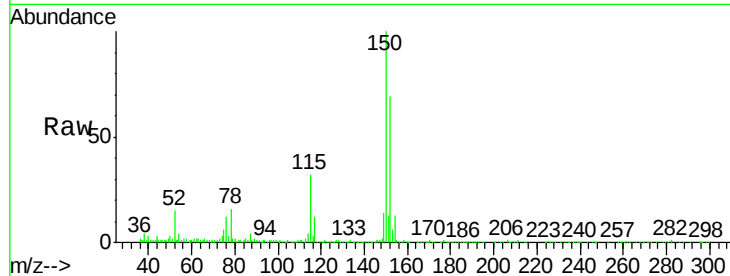




#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 12.09 min Scan# 1838
Delta R.T. 0.00 min
Lab File: VX014535.D
Acq: 10 Jan 2020 14:25

Instrument :
MSVOA_X
ClientSampleId :
FB01082020

Tgt Ion:146 Resp: 653
Ion Ratio Lower Upper
146 100
111 652.7 18.1 54.1#
148 335.1 32.1 96.3#



#96
1,2,3-Trichlorobenzene
Concen: Below Cal
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX014535.D
Acq: 10 Jan 2020 14:25

Tgt Ion:180 Resp: 462
Ion Ratio Lower Upper
180 100
182 67.5 47.9 143.6
145 21.4 14.8 44.3

