

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011020\
 Data File : VX014534.D
 Acq On : 10 Jan 2020 14:02
 Operator : JC/SP
 Sample : L1080-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB01092020

Quant Time: Jan 10 15:46:14 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	510585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	769092	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	692294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	309976	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	281271	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
35) Dibromofluoromethane	5.49	113	228628	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	8.71	98	922741	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	11.14	95	311219	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	

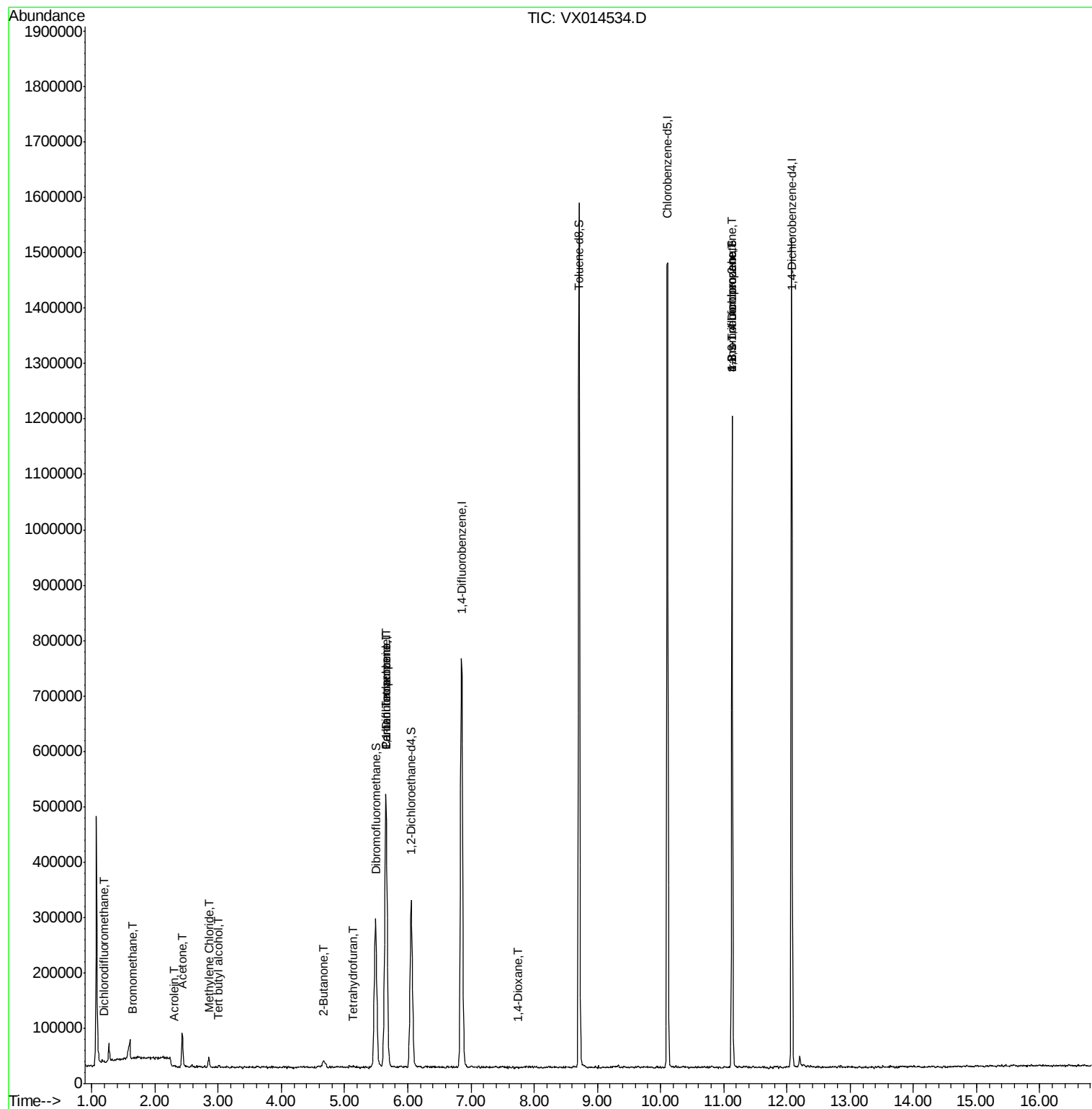
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	666	0.357	ug/l #	42
5) Bromomethane	1.64	94	1529	0.318	ug/l	100
6) Chloroethane	1.67	64	782	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	1593	1.339	ug/l	97
13) Acrolein	2.31	56	1102	1.155	ug/l #	34
16) Acetone	2.43	43	63438	18.325	ug/l	99
20) Methylene Chloride	2.85	84	8856	1.544	ug/l #	95
25) 2-Butanone	4.67	43	3803	0.893	ug/l #	76
29) Tetrahydrofuran	5.13	42	2527	1.004	ug/l #	61
36) 1,1-Dichloropropene	5.65	75	33399	4.618	ug/l #	49
38) Carbon Tetrachloride	5.65	117	42952	6.453	ug/l #	19
49) 1,4-Dioxane	7.74	88	383	2.974	ug/l #	65
76) 1,2,3-Trichloropropane	11.13	75	150121	23.407	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	150121	61.884	ug/l #	12
88) 1,4-Dichlorobenzene	12.09	146	781	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	13.64	180	457	Below Cal	#	62
96) 1,2,3-Trichlorobenzene	14.01	180	372	Below Cal	#	44

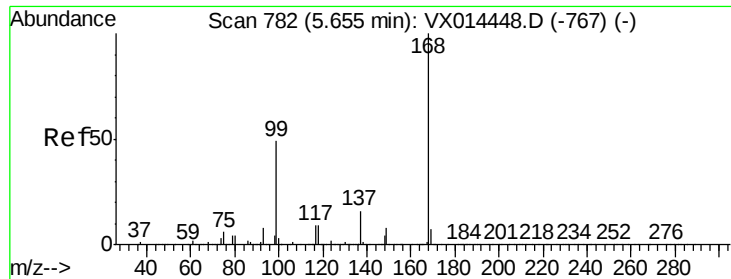
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014534.D

Acq: 10 Jan 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

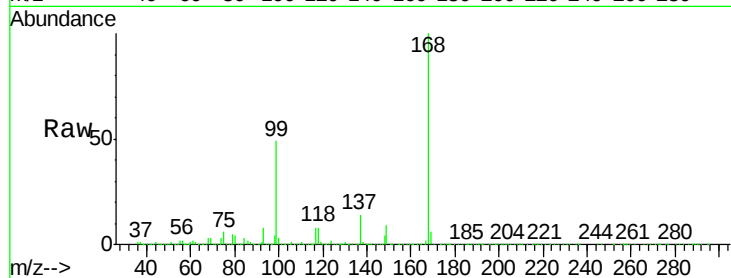
FB01092020

Tgt Ion:168 Resp: 510585

Ion Ratio Lower Upper

168 100

99 48.6 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

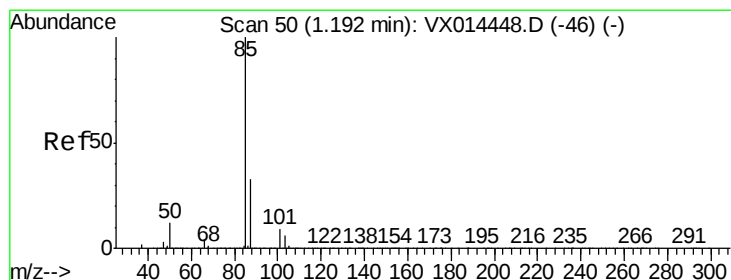
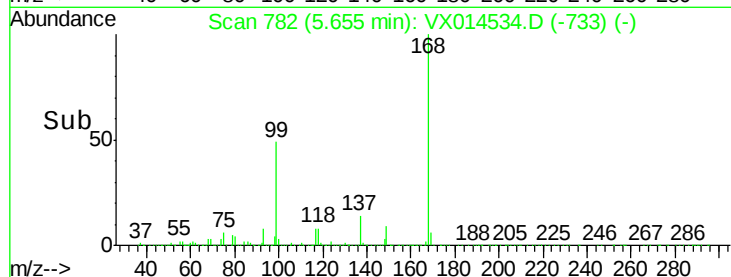
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.357 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX014534.D

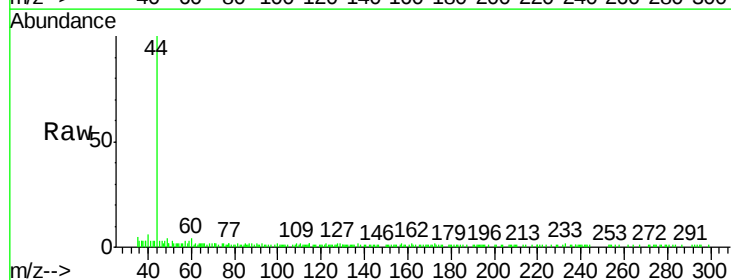
Acq: 10 Jan 2020 14:02

Tgt Ion: 85 Resp: 666

Ion Ratio Lower Upper

85 100

87 65.9 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

400

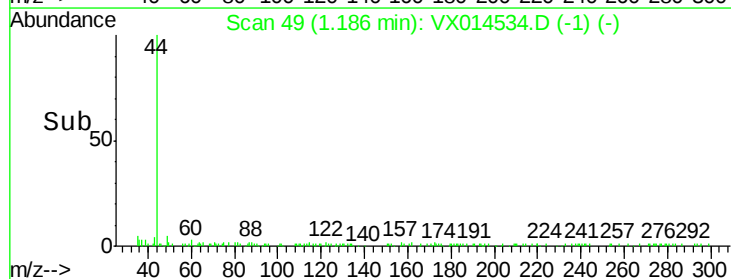
300

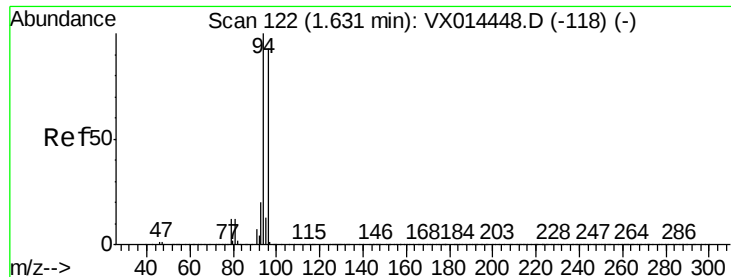
200

100

0

Time-->





#5

Bromomethane

Concen: 0.318 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014534.D

Acq: 10 Jan 2020 14:02

Instrument :

MSVOA_X

ClientSampled :

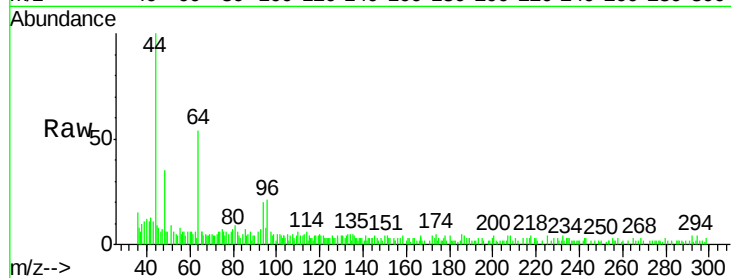
FB01092020

Tgt Ion: 94 Resp: 1529

Ion Ratio Lower Upper

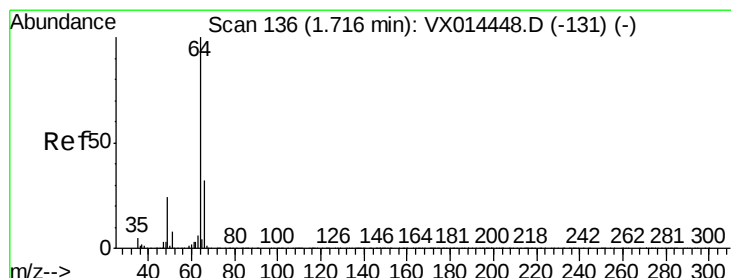
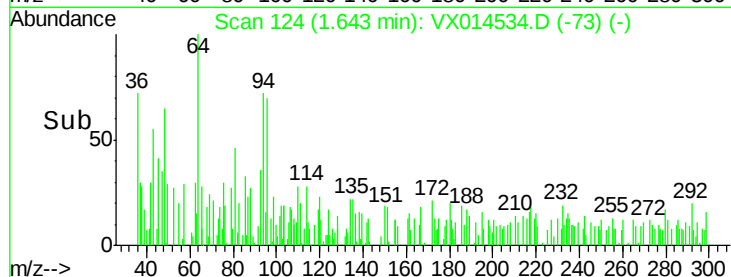
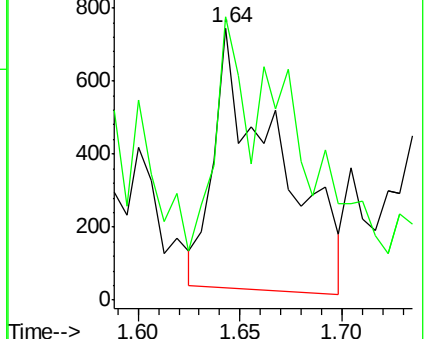
94 100

96 92.5 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 128

Delta R.T. -0.05 min

Lab File: VX014534.D

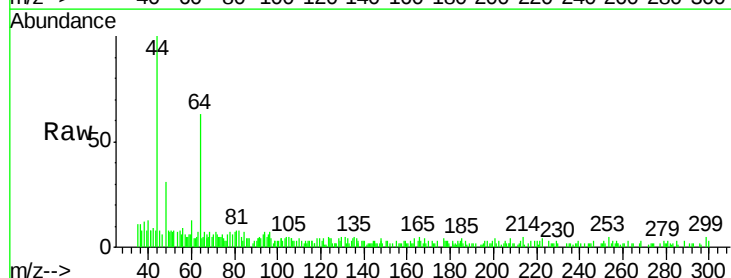
Acq: 10 Jan 2020 14:02

Tgt Ion: 64 Resp: 782

Ion Ratio Lower Upper

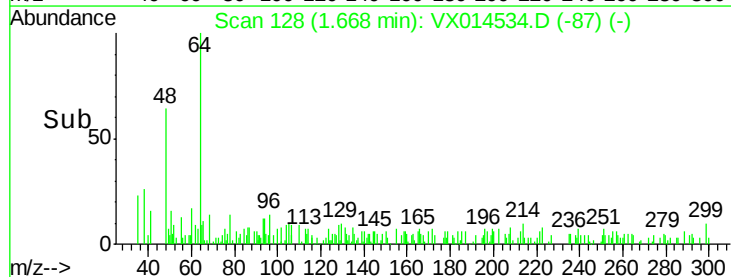
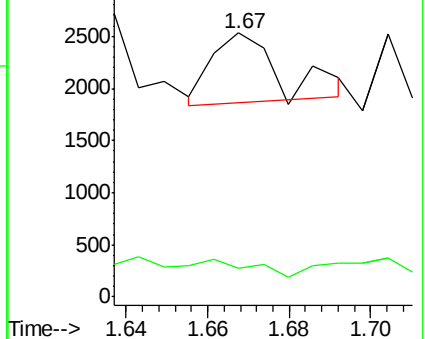
64 100

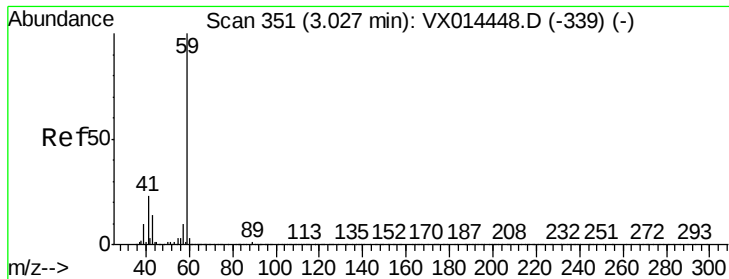
66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

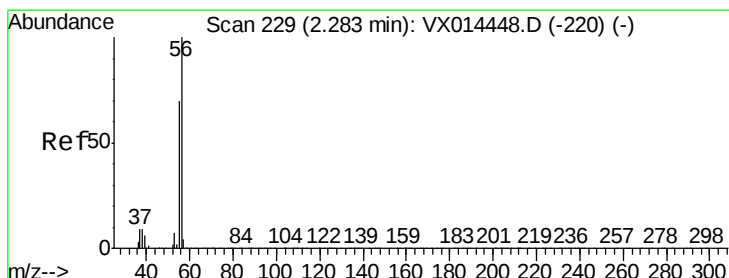
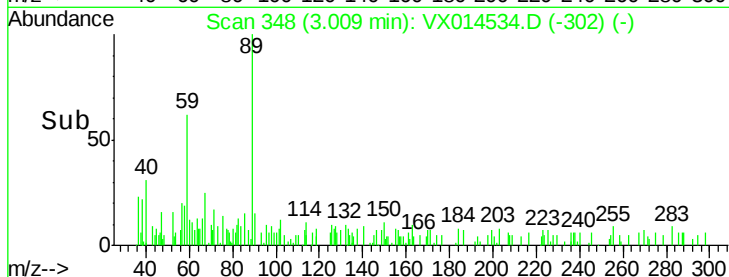
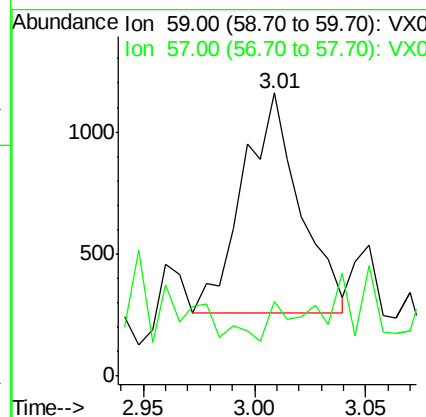
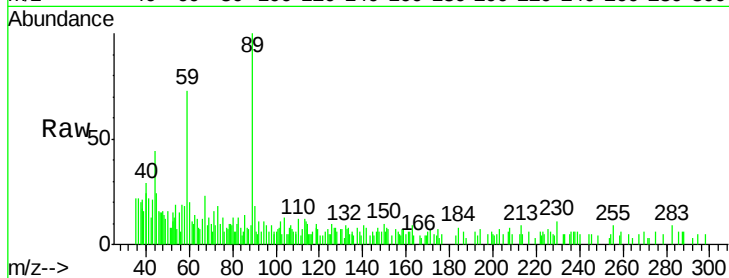




#11
Tert butyl alcohol
Concen: 1.339 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX014534.D
Acq: 10 Jan 2020 14:02

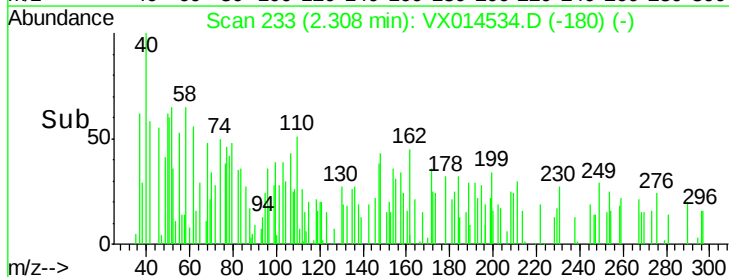
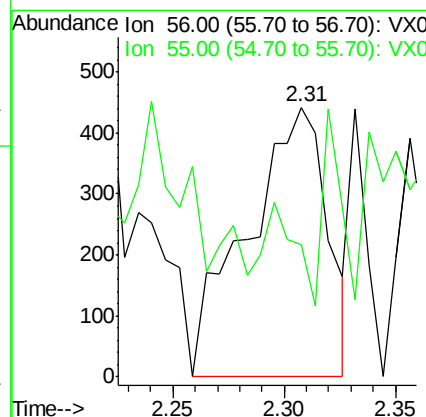
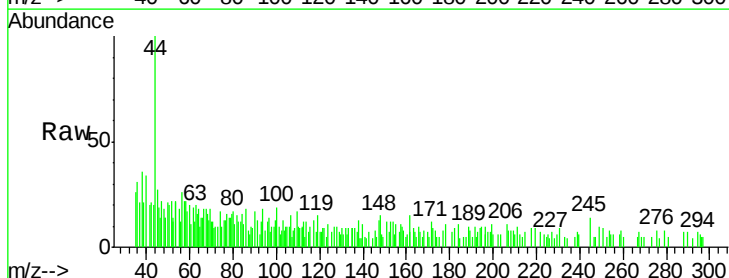
Instrument :
MSVOA_X
ClientSampled :
FB01092020

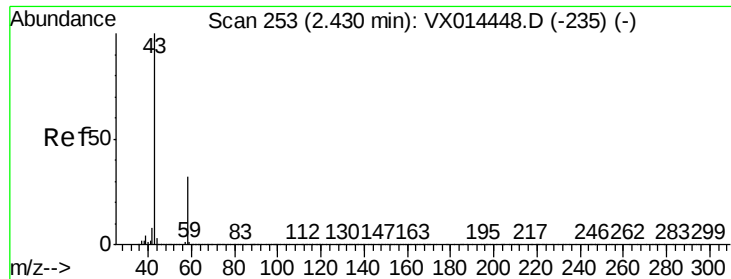
Tgt Ion: 59 Resp: 1593
Ion Ratio Lower Upper
59 100
57 9.5 8.5 12.7



#13
Acrolein
Concen: 1.155 ug/l
RT: 2.31 min Scan# 233
Delta R.T. 0.02 min
Lab File: VX014534.D
Acq: 10 Jan 2020 14:02

Tgt Ion: 56 Resp: 1102
Ion Ratio Lower Upper
56 100
55 15.4 55.0 82.6#





#16

Acetone

Concen: 18.325 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014534.D

Acq: 10 Jan 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

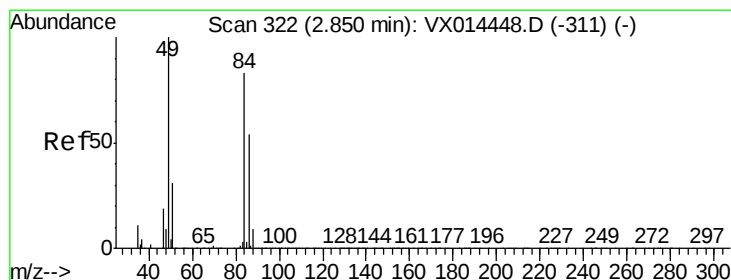
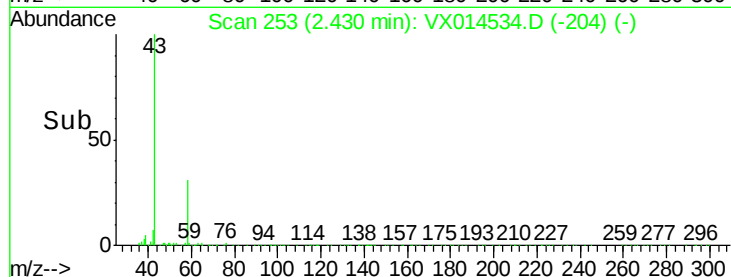
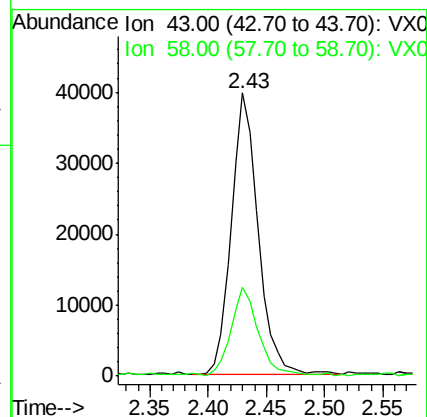
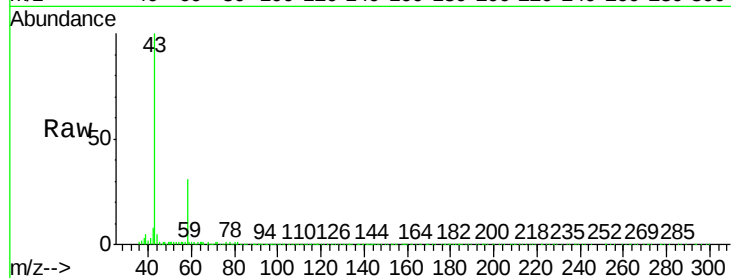
FB01092020

Tgt Ion: 43 Resp: 63438

Ion Ratio Lower Upper

43 100

58 31.1 25.4 38.0



#20

Methylene Chloride

Concen: 1.544 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014534.D

Acq: 10 Jan 2020 14:02

Tgt Ion: 84 Resp: 8856

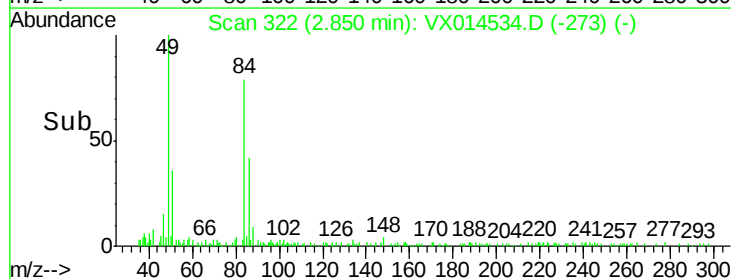
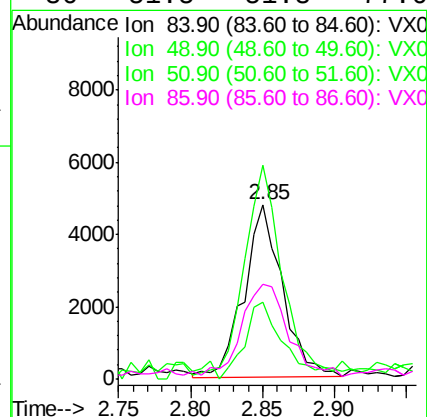
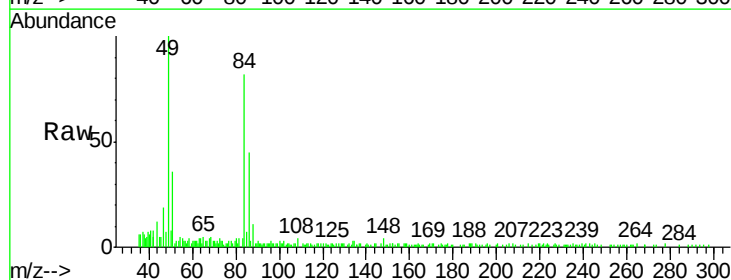
Ion Ratio Lower Upper

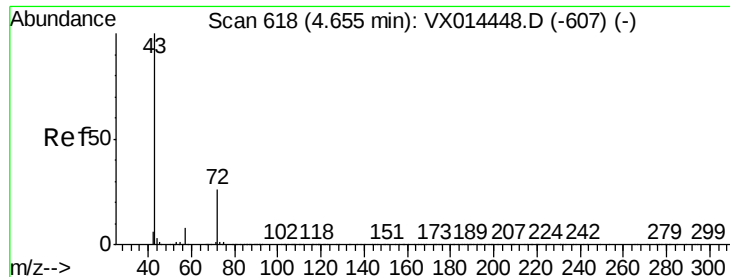
84 100

49 119.6 95.8 143.8

51 37.6 30.2 45.4

86 51.5 51.8 77.6#





#25

2-Butanone

Concen: 0.893 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX014534.D

Acq: 10 Jan 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

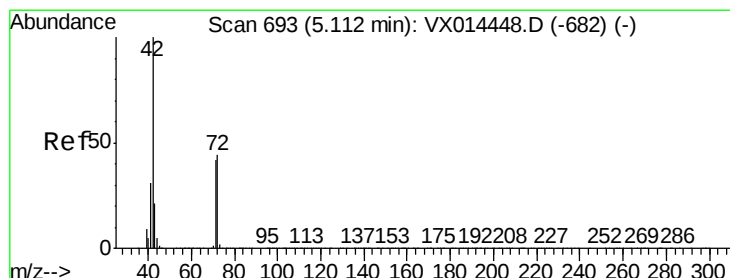
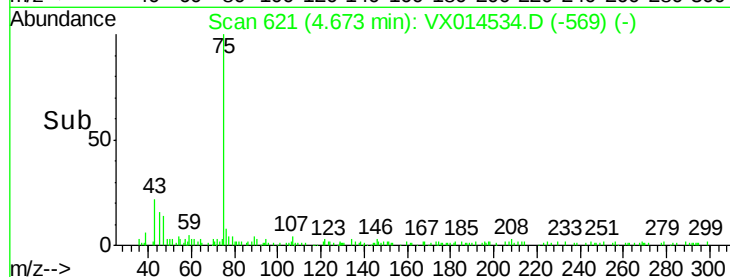
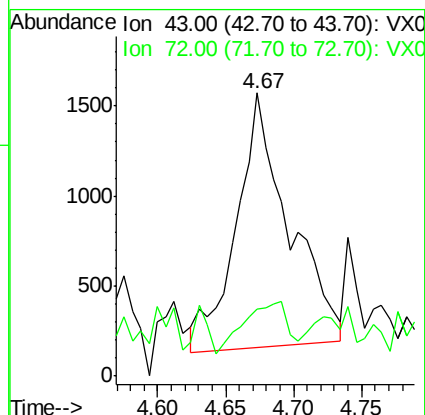
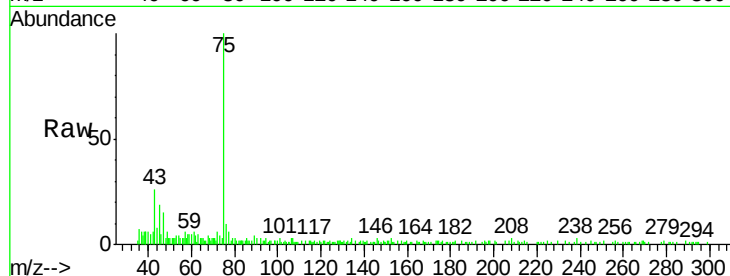
FB01092020

Tgt Ion: 43 Resp: 3803

Ion Ratio Lower Upper

43 100

72 13.8 20.6 31.0#



#29

Tetrahydrofuran

Concen: 1.004 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX014534.D

Acq: 10 Jan 2020 14:02

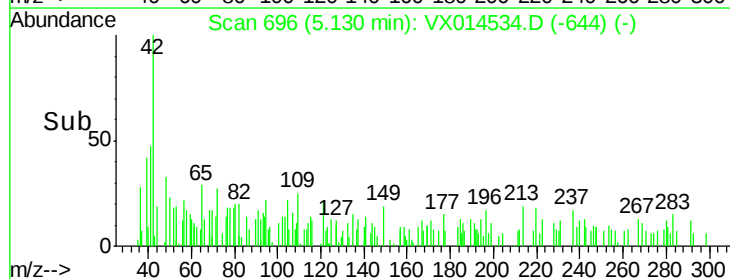
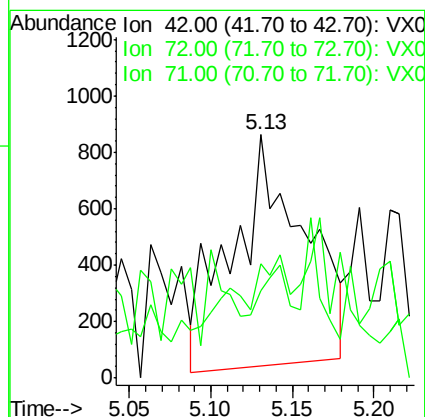
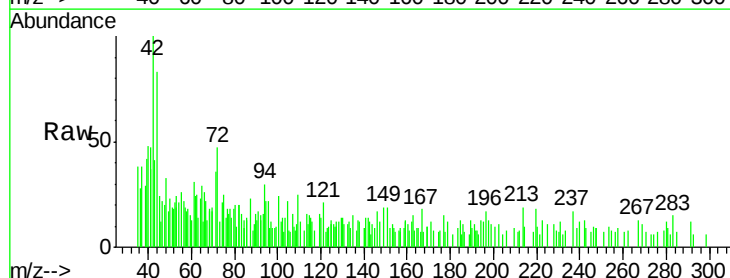
Tgt Ion: 42 Resp: 2527

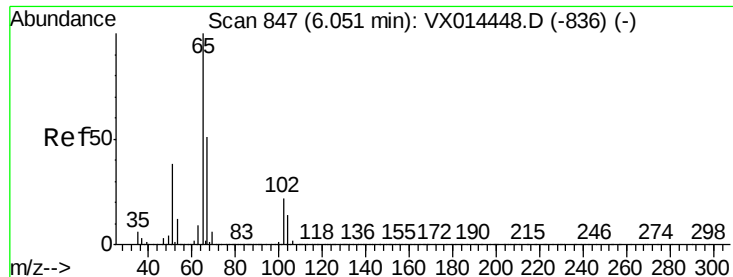
Ion Ratio Lower Upper

42 100

72 18.6 36.2 54.4#

71 18.7 34.1 51.1#

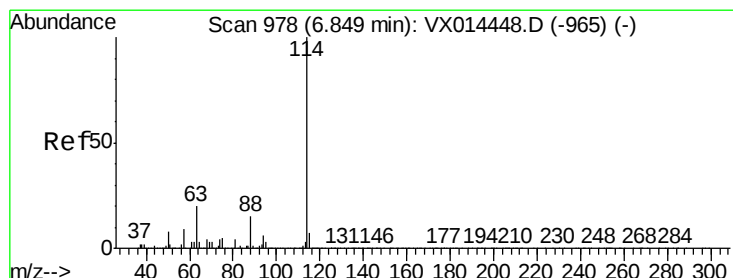
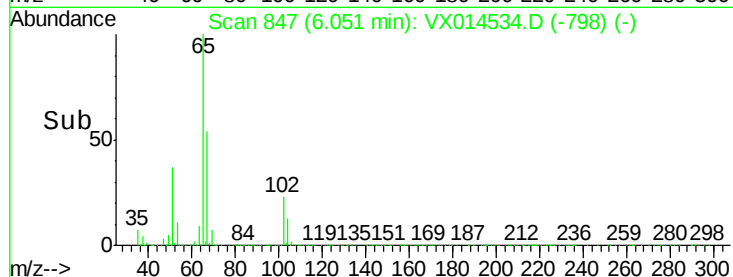
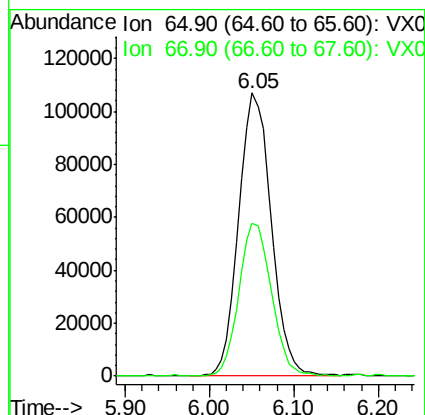
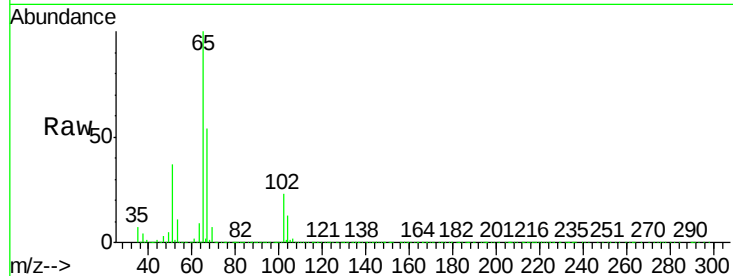




#33
 1,2-Dichloroethane-d4
 Concen: 49.347 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014534.D
 Acq: 10 Jan 2020 14:02

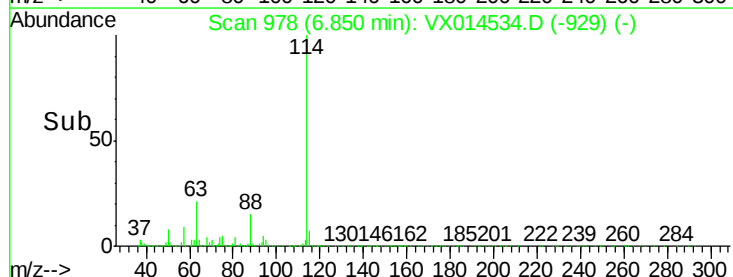
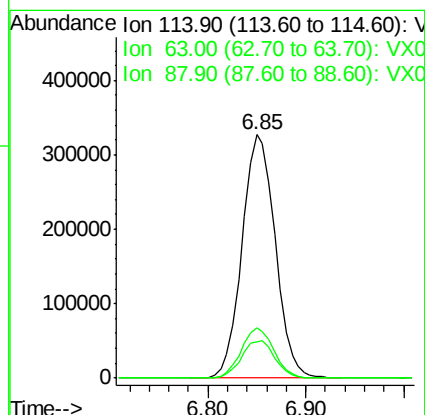
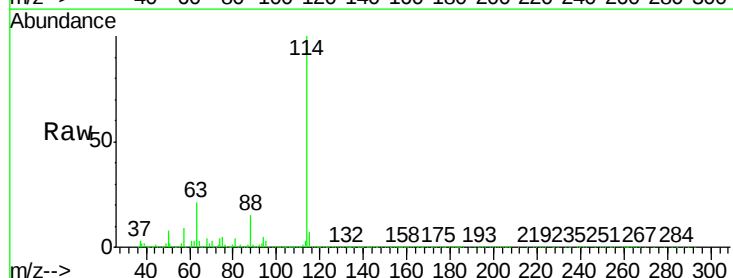
Instrument :
 MSVOA_X
 ClientSampleId :
 FB01092020

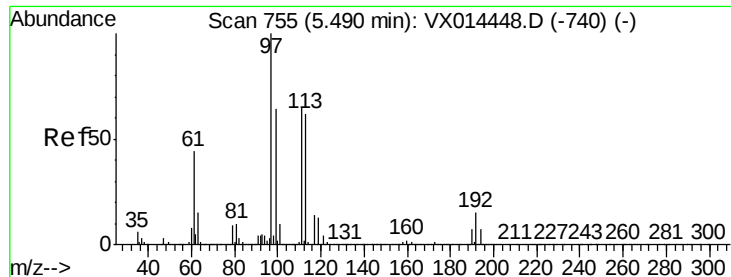
Tgt Ion: 65 Resp: 281271
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014534.D
 Acq: 10 Jan 2020 14:02

Tgt Ion: 114 Resp: 769092
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 39.6
 88 15.1 0.0 30.8





#35

Dibromofluoromethane

Concen: 49.108 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014534.D

Acq: 10 Jan 2020 14:02

Instrument :

MSVOA_X

ClientSampled :

FB01092020

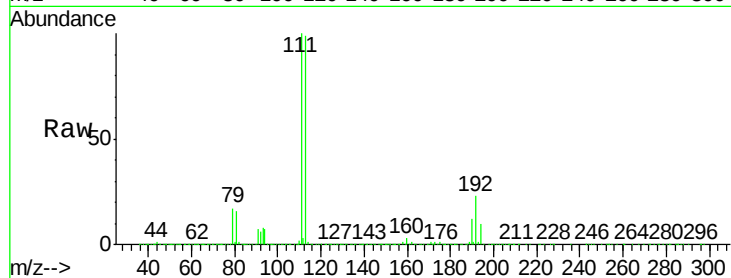
Tgt Ion:113 Resp: 228628

Ion Ratio Lower Upper

113 100

111 103.0 81.5 122.3

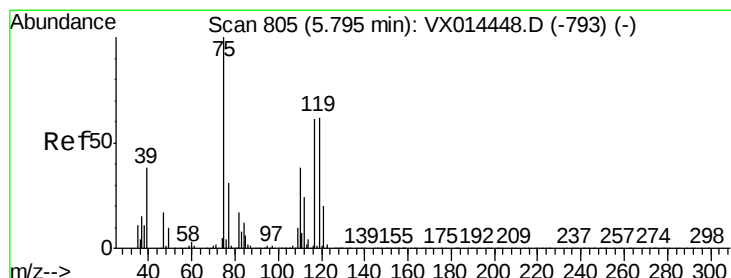
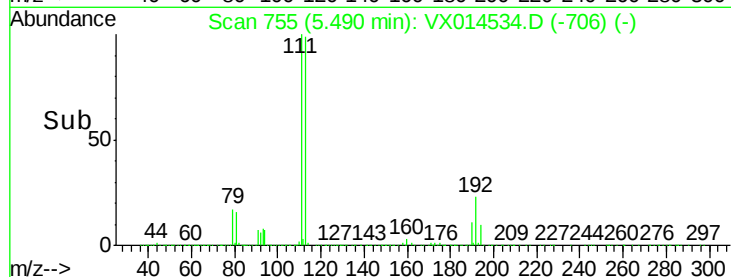
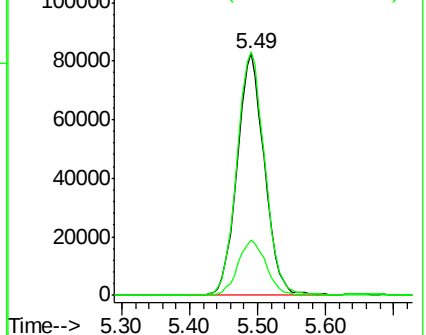
192 23.7 19.2 28.8



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: 4.618 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX014534.D

Acq: 10 Jan 2020 14:02

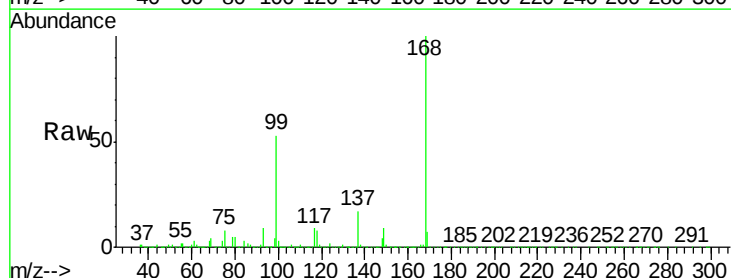
Tgt Ion: 75 Resp: 33399

Ion Ratio Lower Upper

75 100

110 8.7 18.6 55.8#

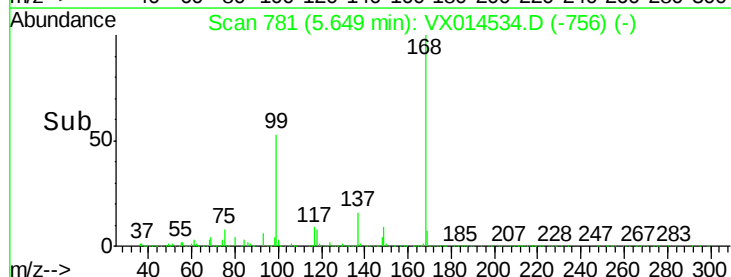
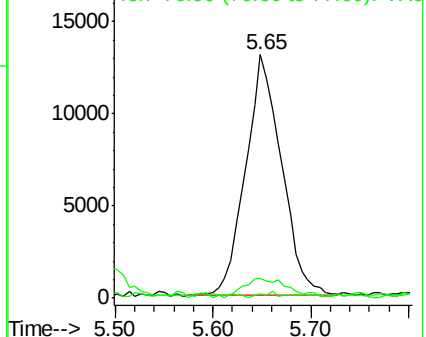
77 1.2 24.5 36.7#

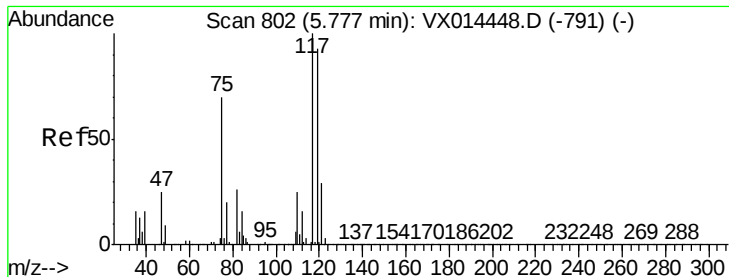


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

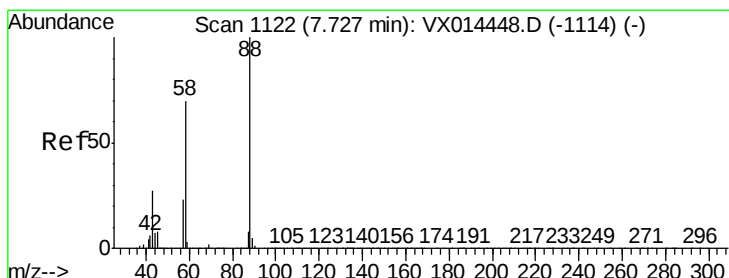
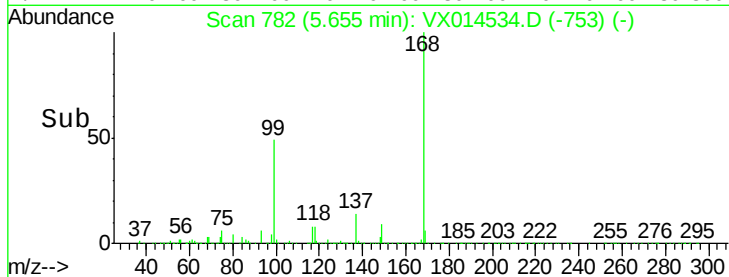
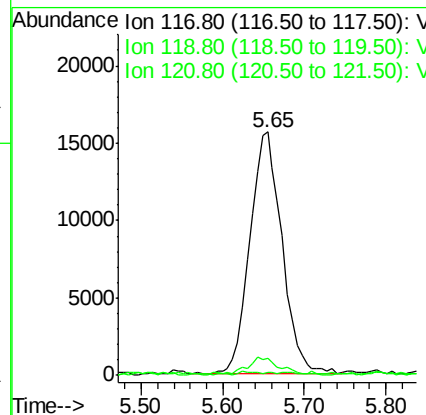
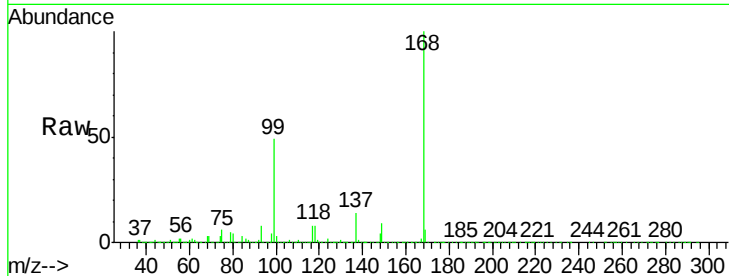




#38
Carbon Tetrachloride
Concen: 6.453 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX014534.D
Acq: 10 Jan 2020 14:02

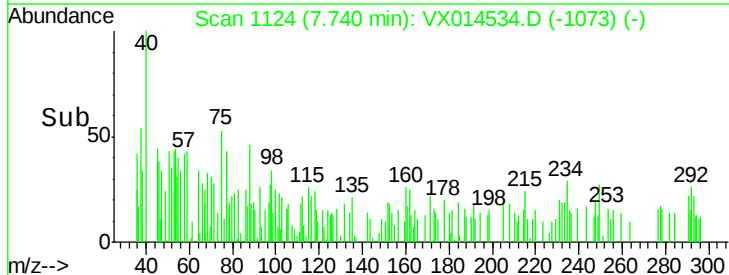
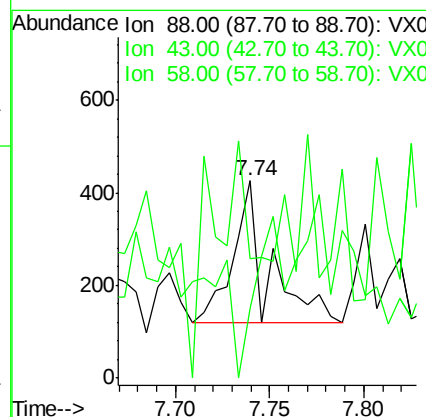
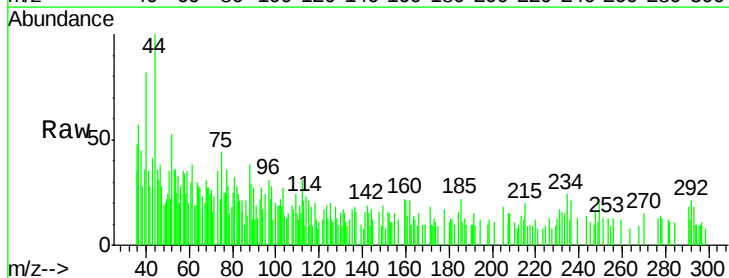
Instrument :
MSVOA_X
ClientSampleId :
FB01092020

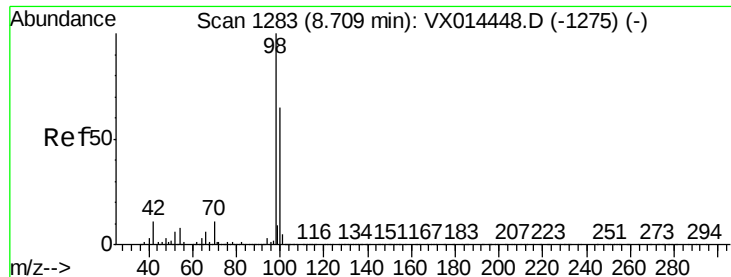
Tgt Ion: 117 Resp: 42952
Ion Ratio Lower Upper
117 100
119 6.3 73.8 110.8#
121 0.4 23.4 35.0#



#49
1,4-Dioxane
Concen: 2.974 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX014534.D
Acq: 10 Jan 2020 14:02

Tgt Ion: 88 Resp: 383
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 90.9 57.1 85.7#

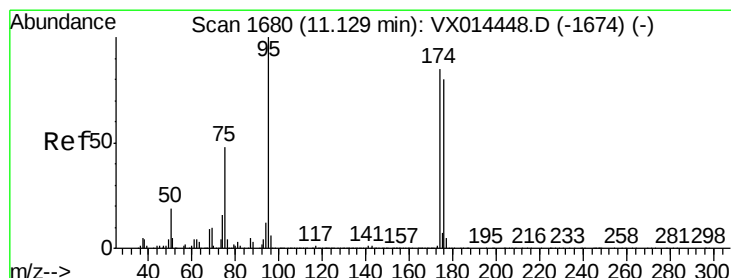
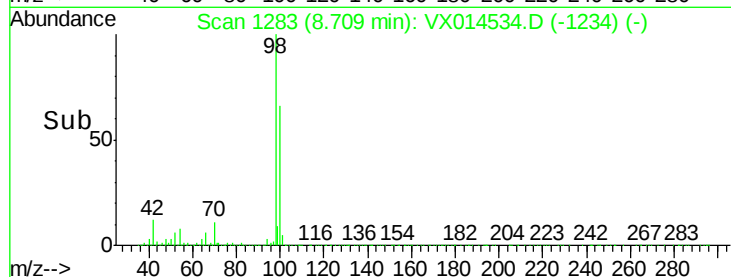
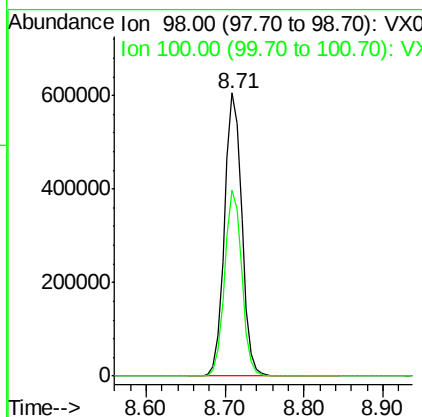
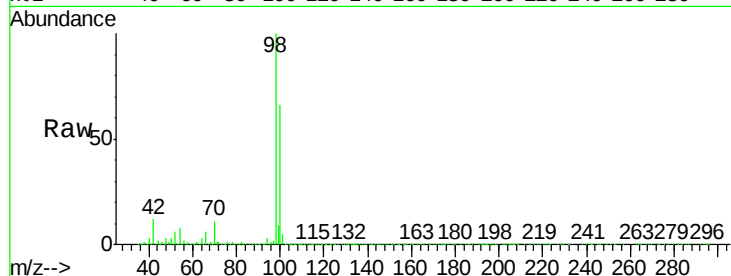




#50
Toluene-d8
Concen: 51.073 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014534.D
Acq: 10 Jan 2020 14:02

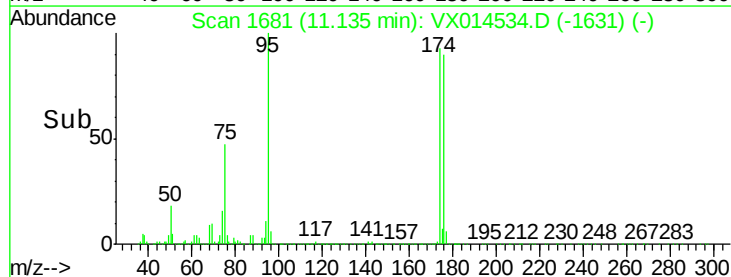
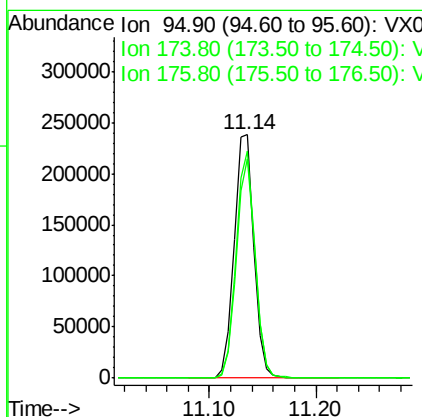
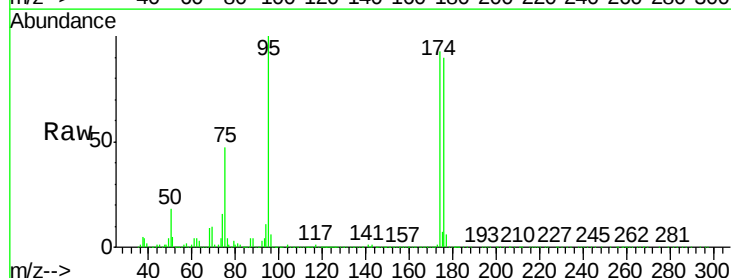
Instrument :
MSVOA_X
ClientSampleId :
FB01092020

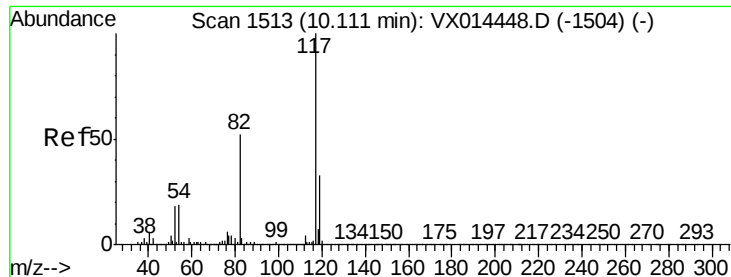
Tgt Ion: 98 Resp: 922741
Ion Ratio Lower Upper
98 100
100 65.0 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 46.923 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014534.D
Acq: 10 Jan 2020 14:02

Tgt Ion: 95 Resp: 311219
Ion Ratio Lower Upper
95 100
174 90.0 0.0 180.8
176 86.0 0.0 172.8

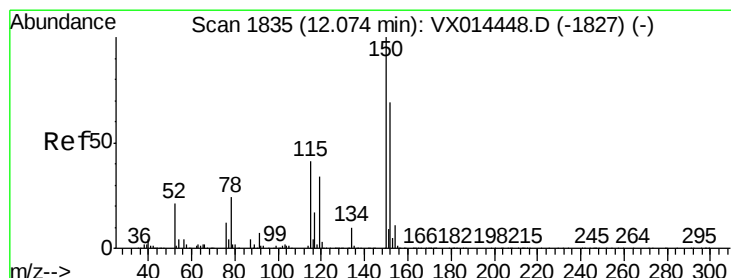
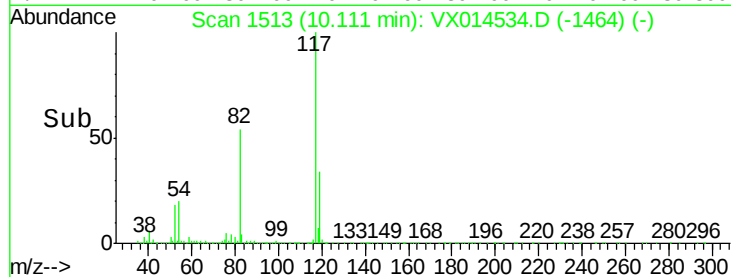
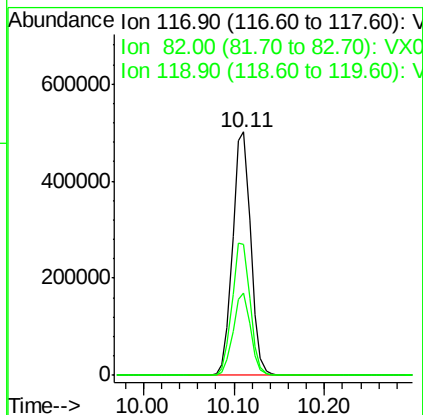
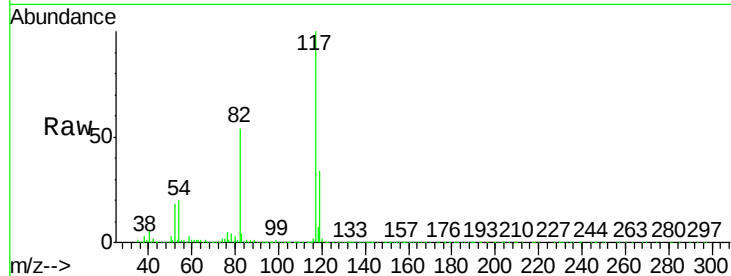




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014534.D
Acq: 10 Jan 2020 14:02

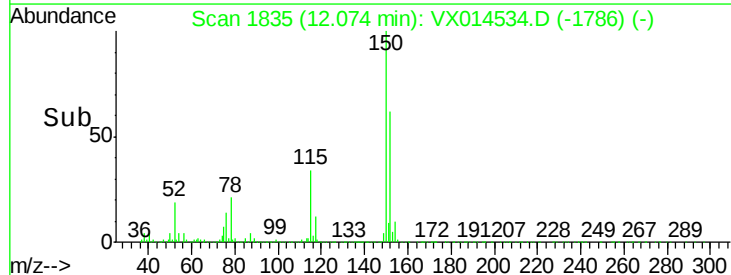
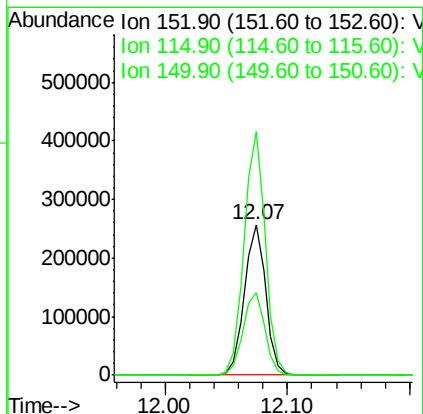
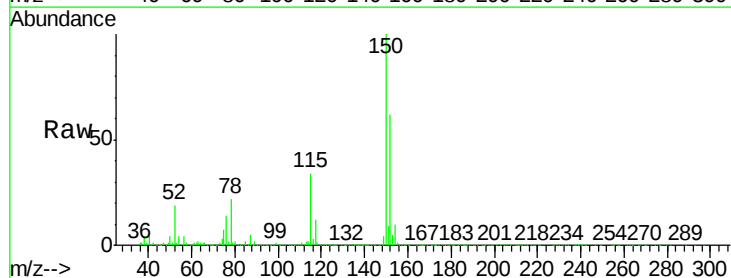
Instrument :
MSVOA_X
ClientSampleId :
FB01092020

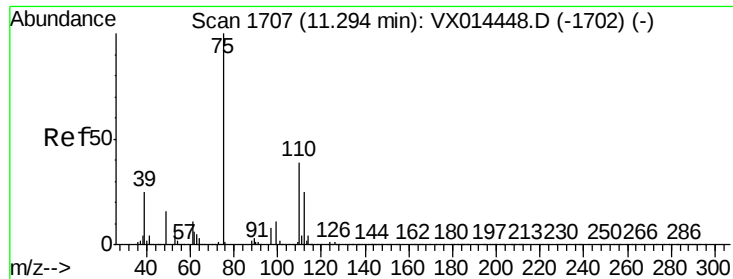
Tgt Ion:117 Resp: 692294
Ion Ratio Lower Upper
117 100
82 53.6 41.8 62.6
119 33.6 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014534.D
Acq: 10 Jan 2020 14:02

Tgt Ion:152 Resp: 309976
Ion Ratio Lower Upper
152 100
115 55.6 39.5 118.3
150 160.0 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 23.407 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014534.D

Acq: 10 Jan 2020 14:02

Instrument :

MSVOA_X

ClientSampled :

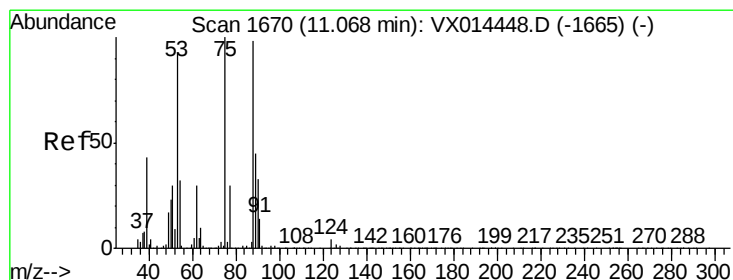
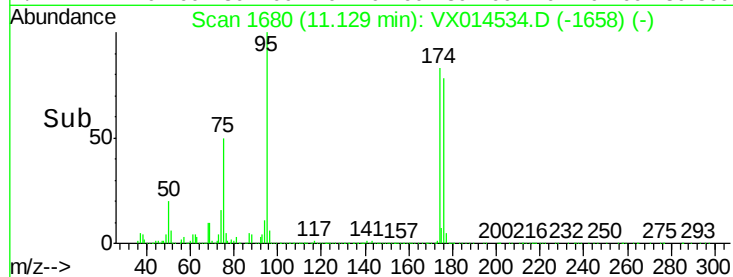
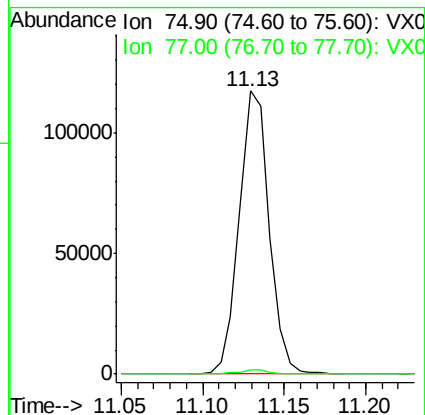
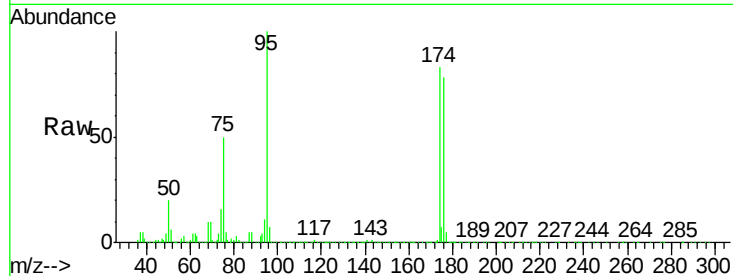
FB01092020

Tgt Ion: 75 Resp: 150121

Ion Ratio Lower Upper

75 100

77 1.7 21.9 65.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.884 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014534.D

Acq: 10 Jan 2020 14:02

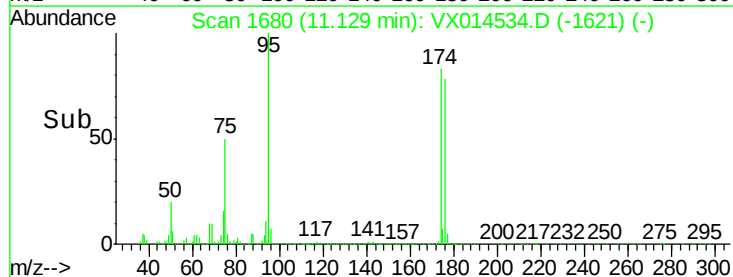
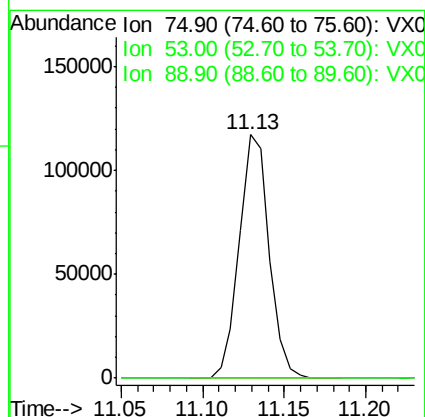
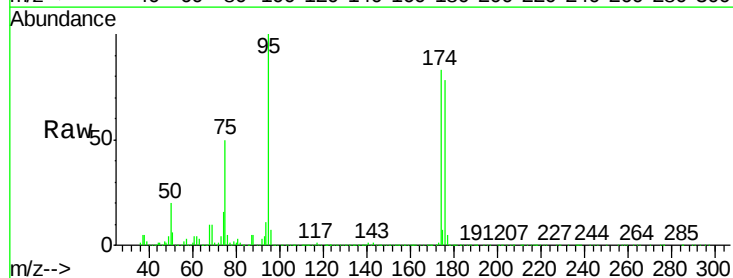
Tgt Ion: 75 Resp: 150121

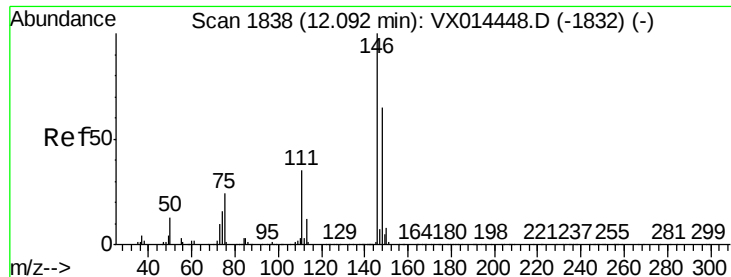
Ion Ratio Lower Upper

75 100

53 0.3 74.8 112.2#

89 0.4 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: VX014534.D

Acq: 10 Jan 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

FB01092020

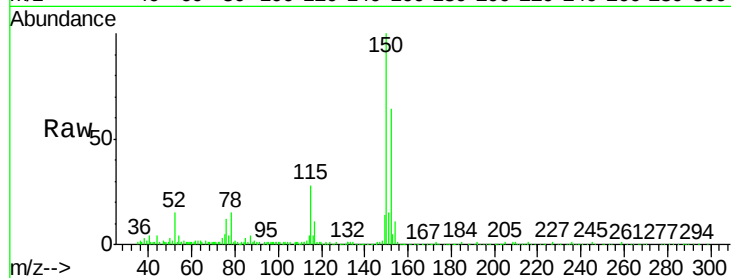
Tgt Ion:146 Resp: 781

Ion Ratio Lower Upper

146 100

111 527.3 18.1 54.1#

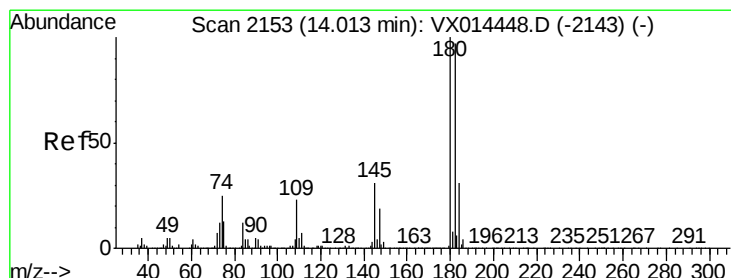
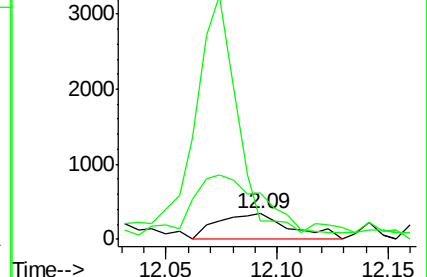
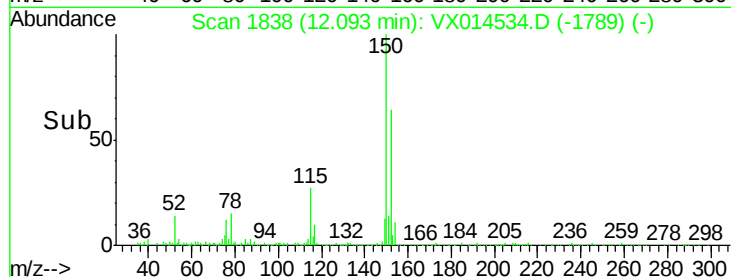
148 276.6 32.1 96.3#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#96

1,2,3-Trichlorobenzene

Concen: Below Cal

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX014534.D

Acq: 10 Jan 2020 14:02

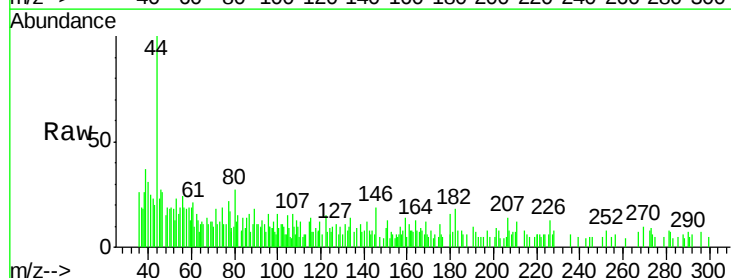
Tgt Ion:180 Resp: 372

Ion Ratio Lower Upper

180 100

182 150.3 47.9 143.6#

145 0.0 14.8 44.3#



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

