

Data File : VX015590.D
Acq On : 09 Apr 2020 12:45
Operator : JC/SP
Sample : L2190-13DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
STOO8MW158-200407DL

Quant Time: Apr 10 04:45:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1095208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1698125	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1668002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	922797	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	709312	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	
35) Dibromofluoromethane	5.47	113	540436	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	8.70	98	2078743	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
62) 4-Bromofluorobenzene	11.12	95	884347	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	

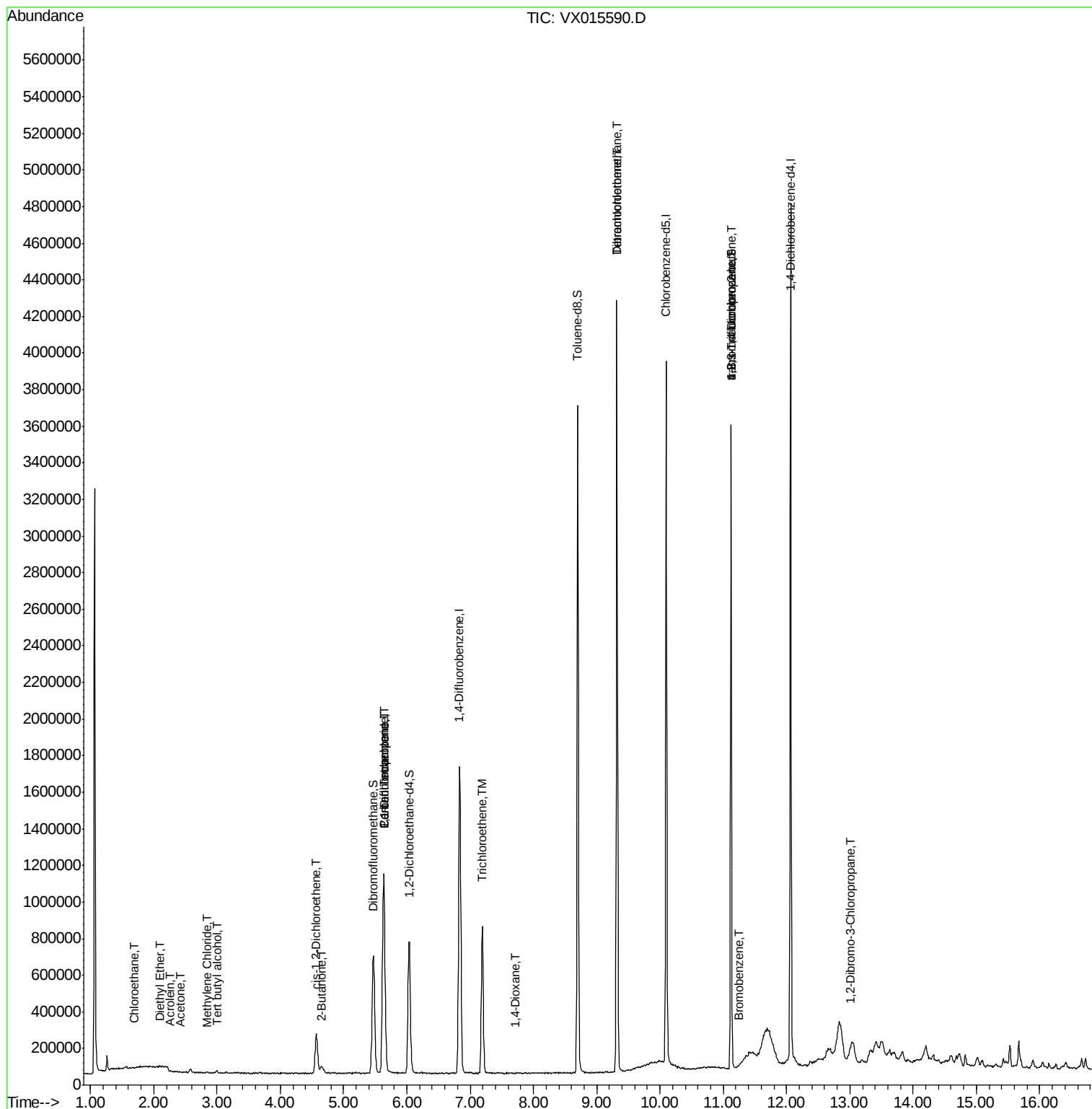
Target Compounds			Qvalue			
5) Bromomethane	1.64	94	921	Below Cal	#	80
6) Chloroethane	1.70	64	1432	0.205	ug/l #	85
8) Diethyl Ether	2.09	74	1537	0.241	ug/l	94
11) Tert butyl alcohol	3.00	59	8040	2.175	ug/l #	73
13) Acrolein	2.27	56	736	0.349	ug/l #	14
16) Acetone	2.42	43	4397	0.663	ug/l	98
20) Methylene Chloride	2.83	84	2596	0.209	ug/l #	82
25) 2-Butanone	4.65	43	4530	0.424	ug/l #	52
27) cis-1,2-Dichloroethene	4.56	96	136676	10.295	ug/l	91
36) 1,1-Dichloropropene	5.64	75	79707	5.094	ug/l #	51
38) Carbon Tetrachloride	5.64	117	101721	6.002	ug/l #	15
44) Trichloroethene	7.19	130	309337	24.748	ug/l	92
49) 1,4-Dioxane	7.72	88	135	0.421	ug/l #	1
60) Dibromochloromethane	9.32	129	769211	55.294	ug/l #	11
64) Tetrachloroethene	9.32	164	840051	66.734	ug/l	90
76) 1,2,3-Trichloropropane	11.12	75	455158	23.985	ug/l #	35
77) Bromobenzene	11.25	156	3517	0.218	ug/l #	23
81) trans-1,4-Dichloro-2-buten	11.12	75	455158	57.552	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1571	0.268	ug/l #	53

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015590.D

Acq: 09 Apr 2020 12:45

Instrument :

MSVOA_X

ClientSampleId :

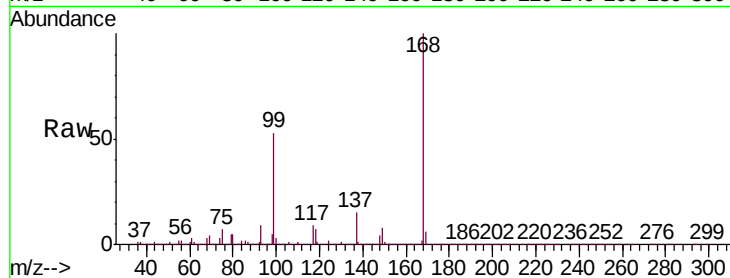
STOO8MW158-200407DL

Tgt Ion:168 Resp: 1095208

Ion Ratio Lower Upper

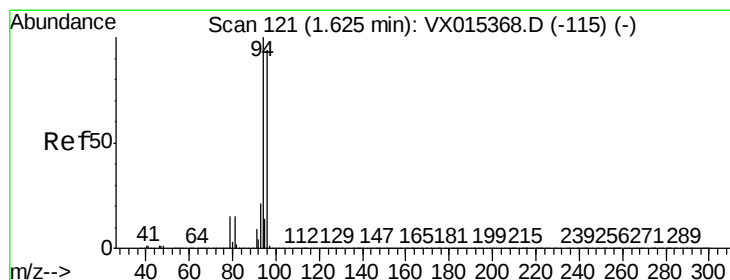
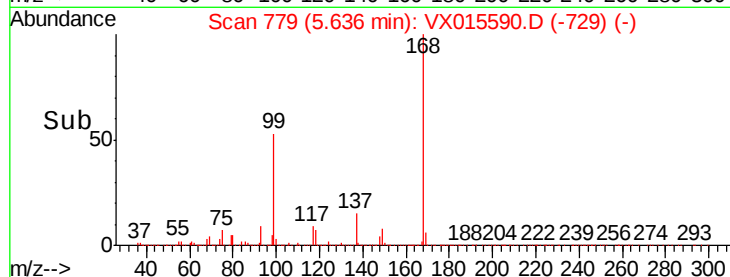
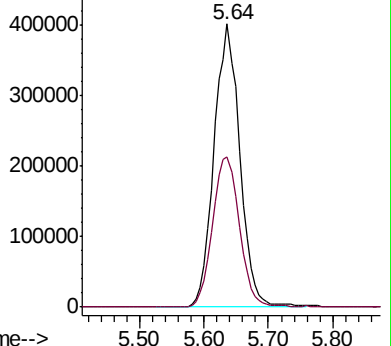
168 100

99 53.0 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015590.D

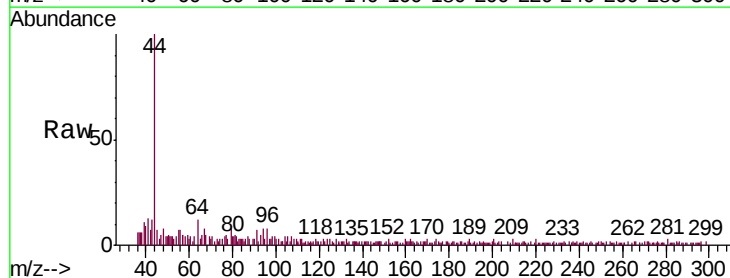
Acq: 09 Apr 2020 12:45

Tgt Ion: 94 Resp: 921

Ion Ratio Lower Upper

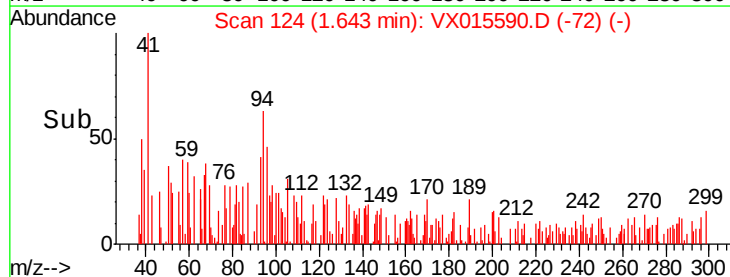
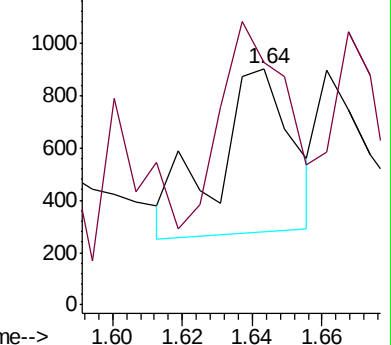
94 100

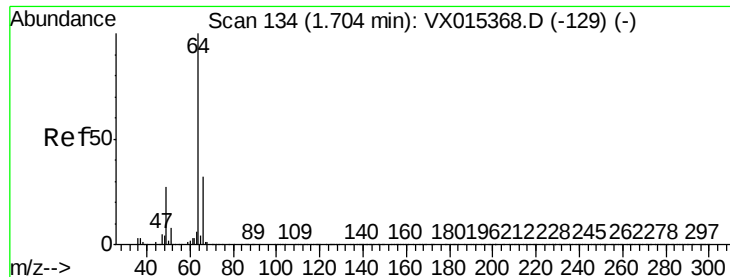
96 73.9 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.205 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX015590.D

Acq: 09 Apr 2020 12:45

Instrument :

MSVOA_X

ClientSampleId :

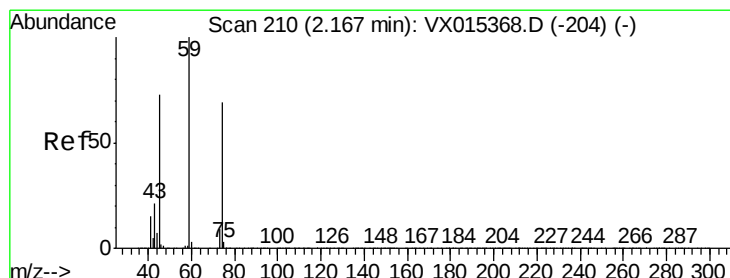
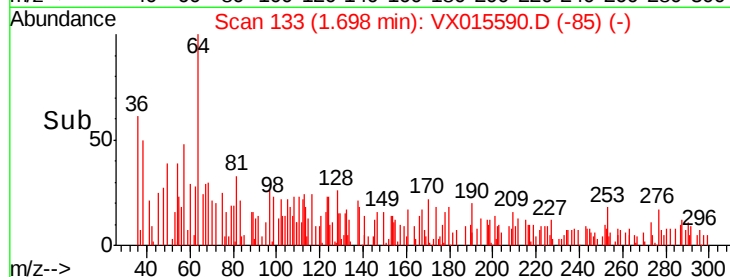
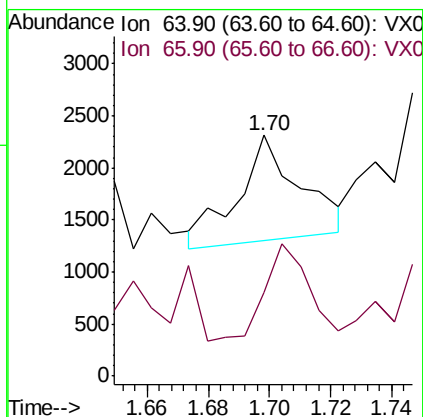
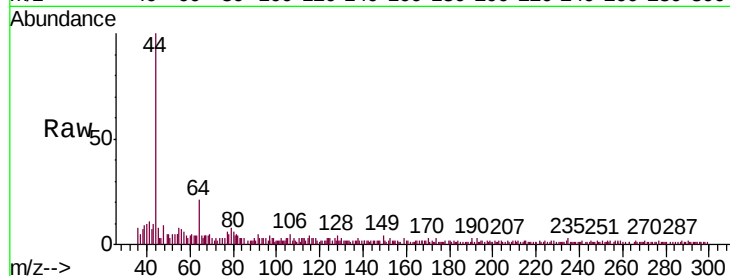
STOO8MW158-200407DL

Tgt Ion: 64 Resp: 1432

Ion Ratio Lower Upper

64 100

66 39.9 25.4 38.2#



#8

Diethyl Ether

Concen: 0.241 ug/l

RT: 2.09 min Scan# 197

Delta R.T. -0.08 min

Lab File: VX015590.D

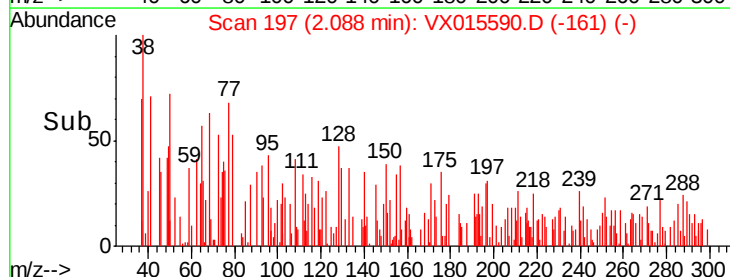
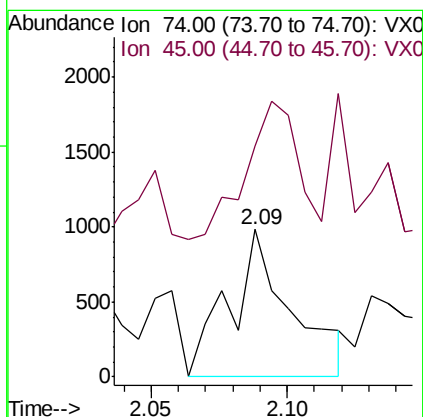
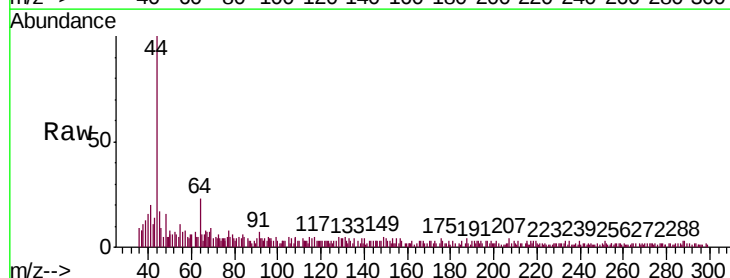
Acq: 09 Apr 2020 12:45

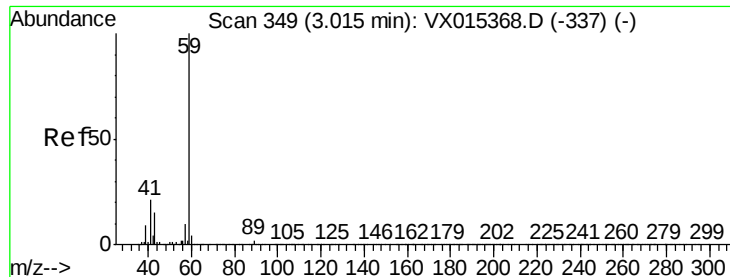
Tgt Ion: 74 Resp: 1537

Ion Ratio Lower Upper

74 100

45 101.4 53.8 161.4



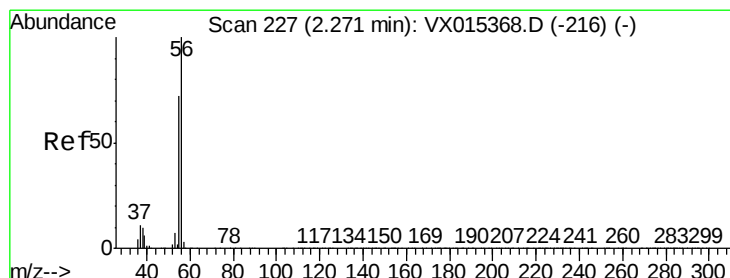
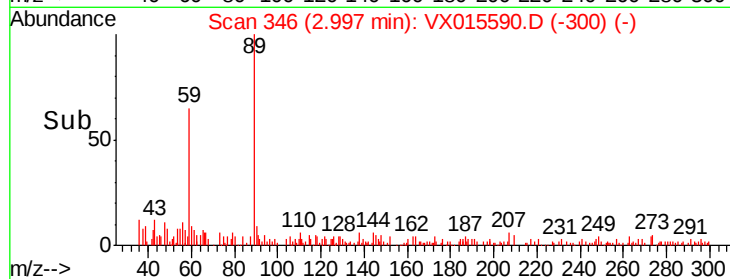
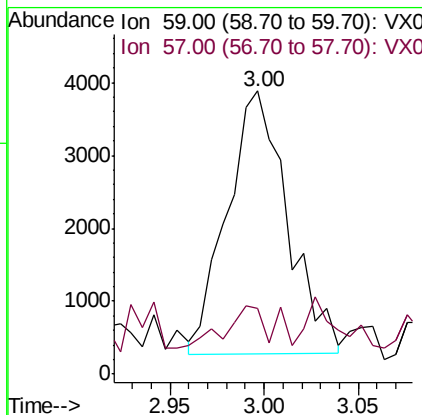
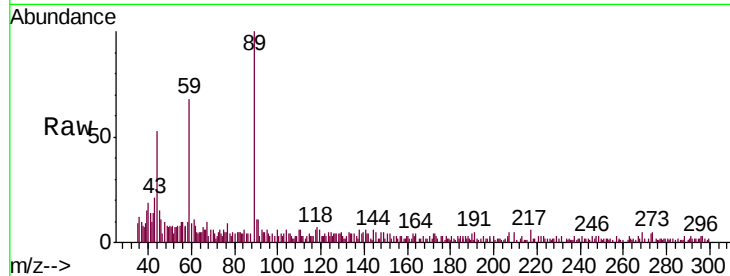


#11

Tert butyl alcohol
Concen: 2.175 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.02 min
Lab File: VX015590.D
Acq: 09 Apr 2020 12:45

Instrument :
MSVOA_X
ClientSampleId :
STOO8MW158-200407DL

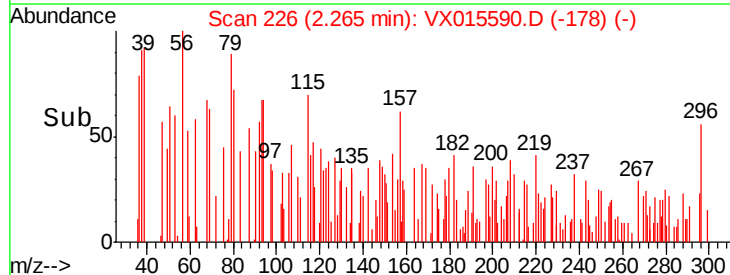
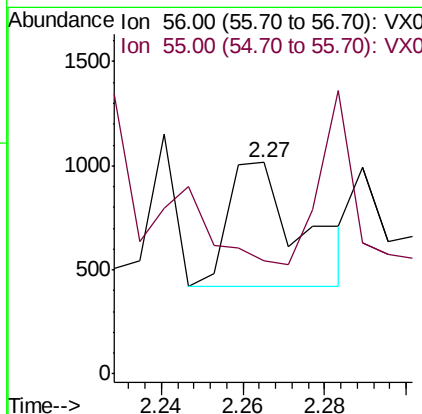
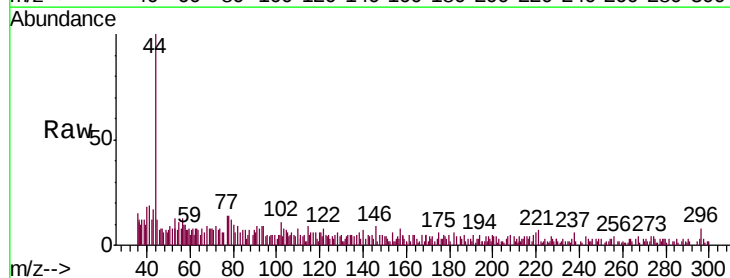
Tgt Ion: 59 Resp: 8040
Ion Ratio Lower Upper
59 100
57 20.3 8.1 12.1#

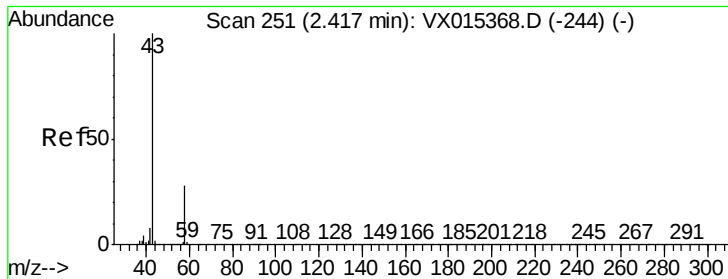


#13

Acrolein
Concen: 0.349 ug/l
RT: 2.27 min Scan# 226
Delta R.T. -0.01 min
Lab File: VX015590.D
Acq: 09 Apr 2020 12:45

Tgt Ion: 56 Resp: 736
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#

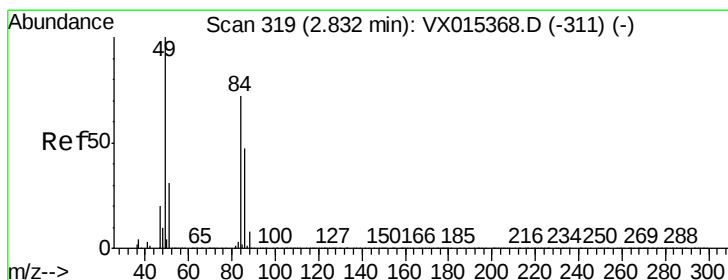
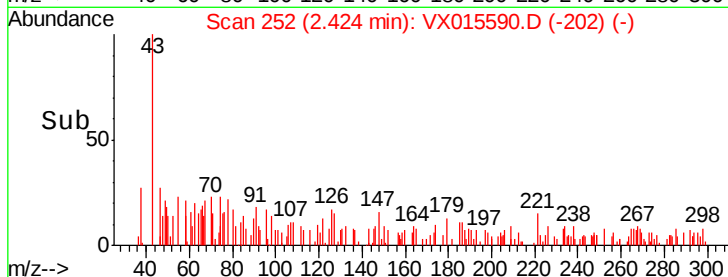
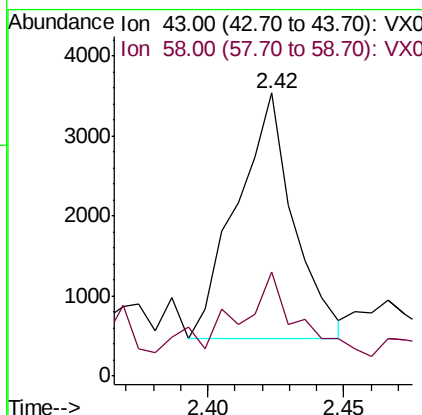
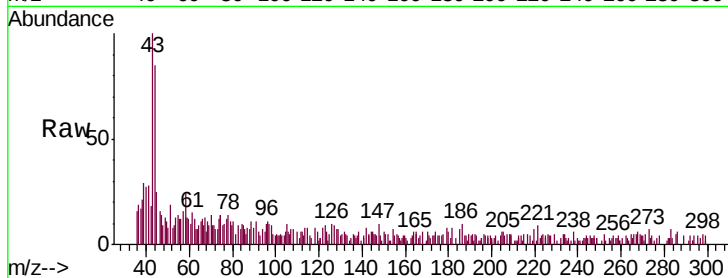




#16
Acetone
Concen: 0.663 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015590.D
Acq: 09 Apr 2020 12:45

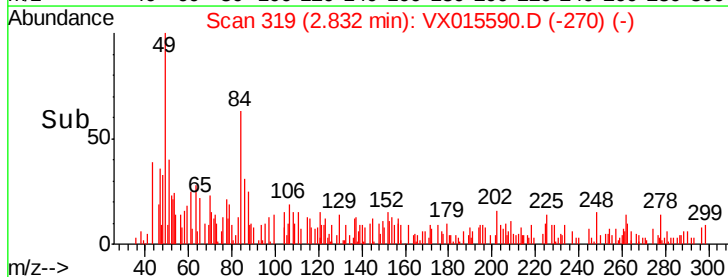
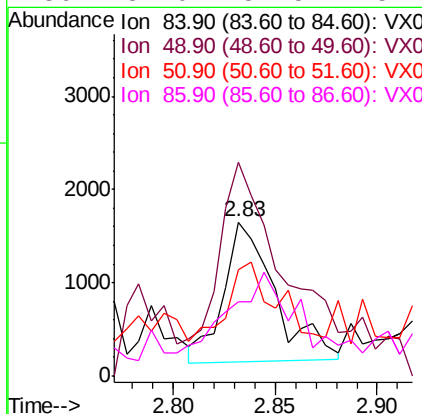
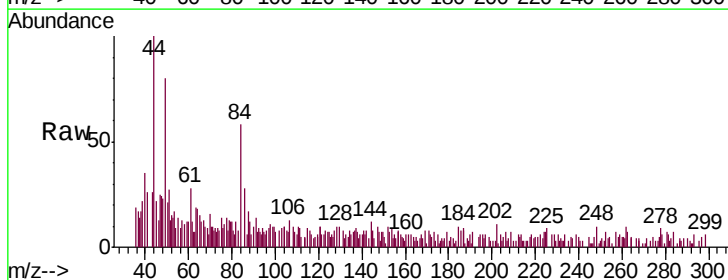
Instrument :
MSVOA_X
ClientSampleId :
STOO8MW158-200407DL

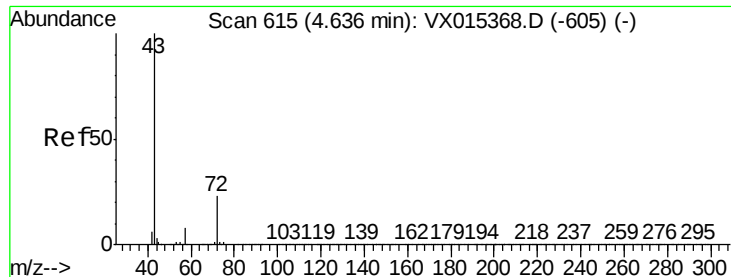
Tgt Ion: 43 Resp: 4397
Ion Ratio Lower Upper
43 100
58 26.8 22.1 33.1



#20
Methylene Chloride
Concen: 0.209 ug/l
RT: 2.83 min Scan# 319
Delta R.T. 0.00 min
Lab File: VX015590.D
Acq: 09 Apr 2020 12:45

Tgt Ion: 84 Resp: 2596
Ion Ratio Lower Upper
84 100
49 134.8 111.3 166.9
51 23.3 34.0 51.0#
86 34.0 52.5 78.7#





#25

2-Butanone

Concen: 0.424 ug/l

RT: 4.65 min Scan# 617

Delta R.T. 0.01 min

Lab File: VX015590.D

Acq: 09 Apr 2020 12:45

Instrument :

MSVOA_X

ClientSampleId :

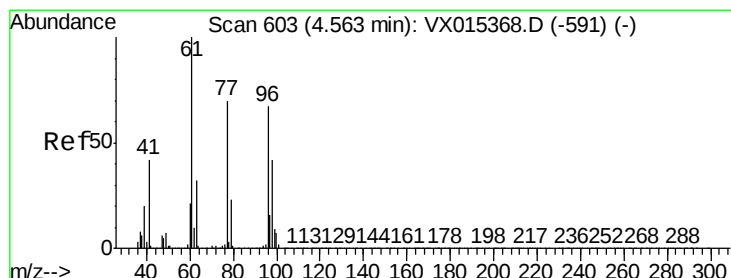
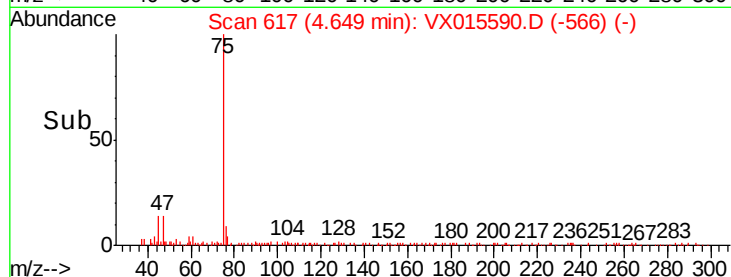
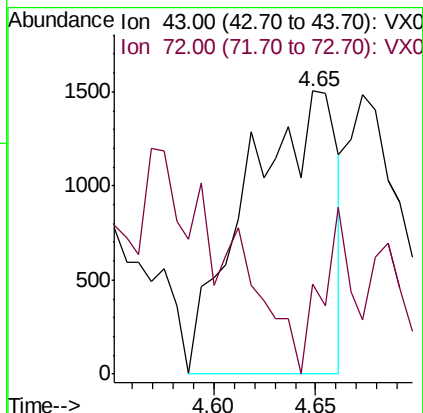
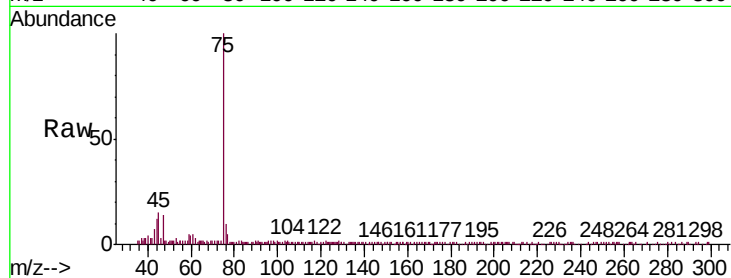
STOO8MW158-200407DL

Tgt Ion: 43 Resp: 4530

Ion Ratio Lower Upper

43 100

72 0.0 19.0 28.4#



#27

cis-1,2-Dichloroethene

Concen: 10.295 ug/l

RT: 4.56 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX015590.D

Acq: 09 Apr 2020 12:45

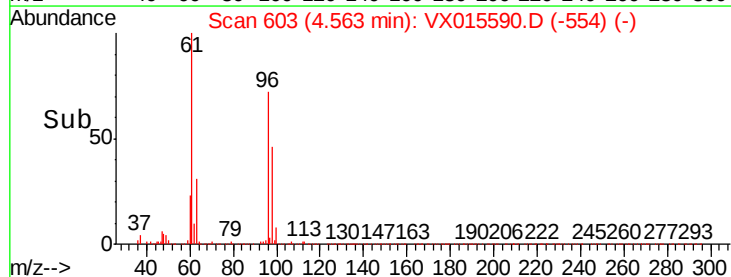
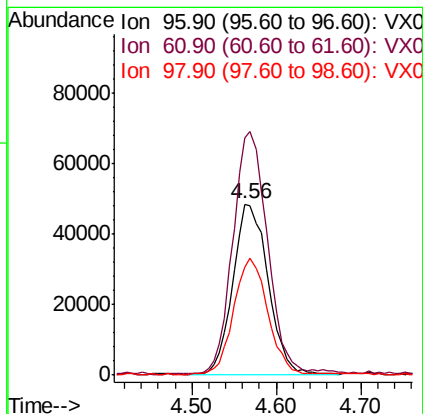
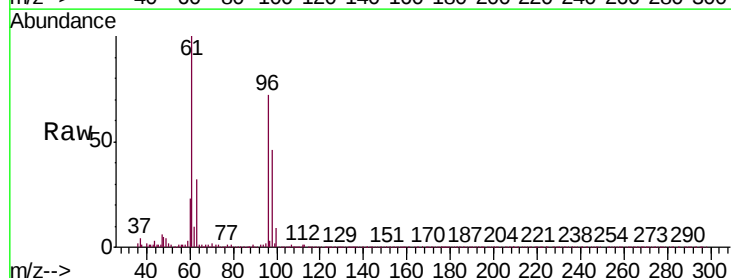
Tgt Ion: 96 Resp: 136676

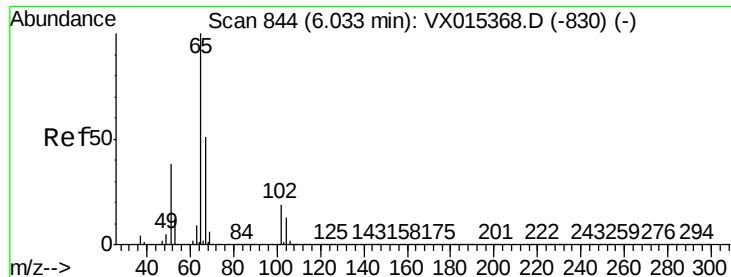
Ion Ratio Lower Upper

96 100

61 138.8 0.0 308.4

98 66.2 0.0 129.2





#33

1,2-Dichloroethane-d4

Concen: 45.920 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015590.D

Acq: 09 Apr 2020 12:45

Instrument :

MSVOA_X

ClientSampleId :

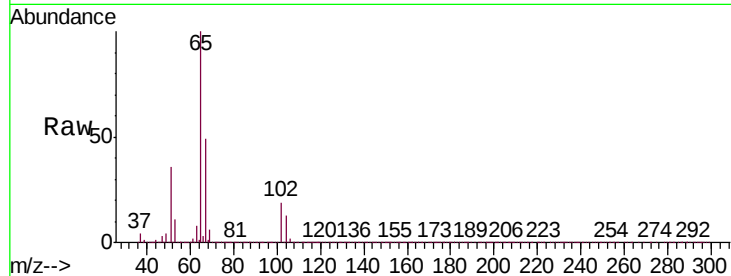
STOO8MW158-200407DL

Tgt Ion: 65 Resp: 709312

Ion Ratio Lower Upper

65 100

67 50.7 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

300000

250000

200000

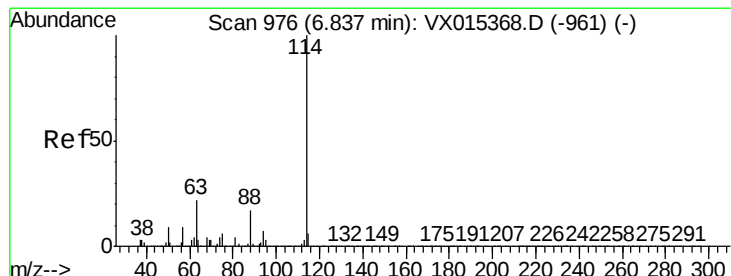
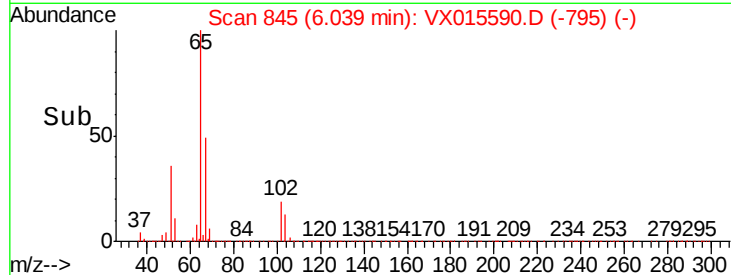
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015590.D

Acq: 09 Apr 2020 12:45

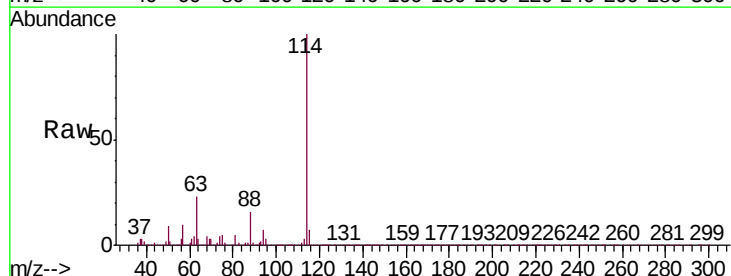
Tgt Ion: 114 Resp: 1698125

Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.2

88 16.5 0.0 33.8



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

800000

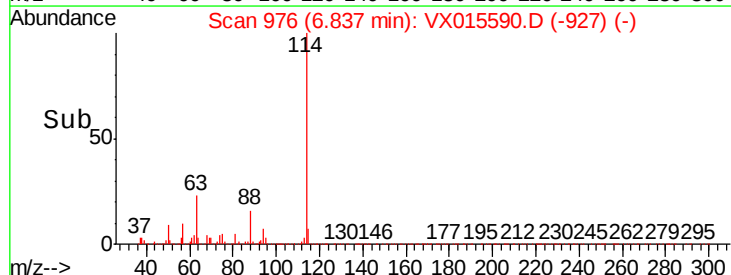
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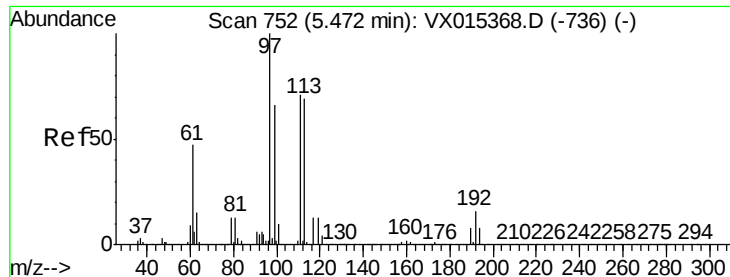
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Time-->

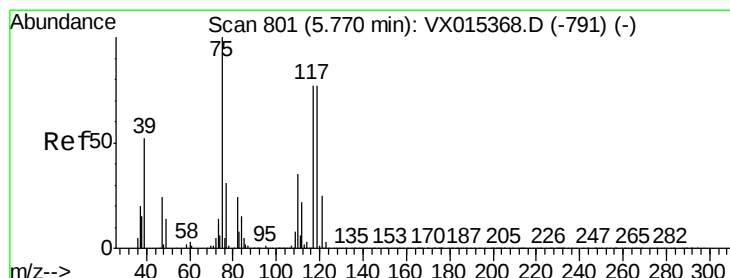
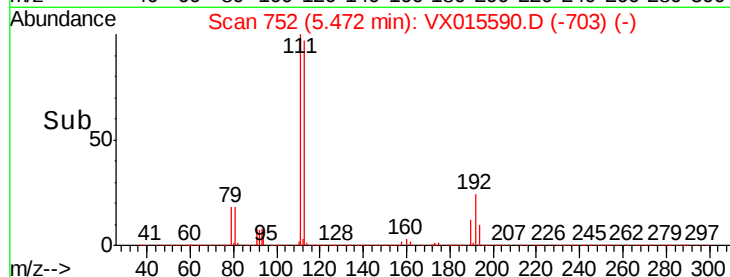
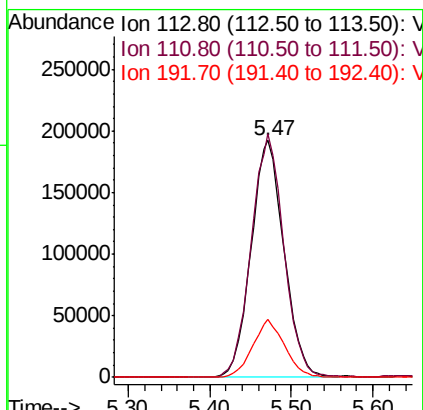
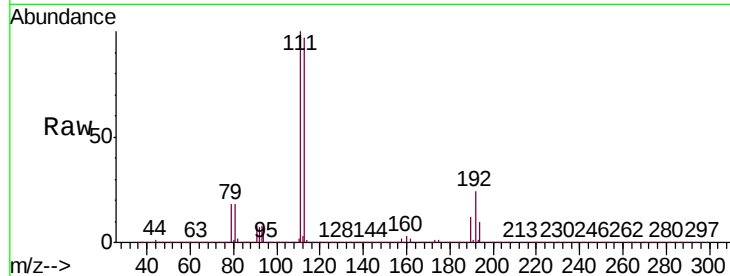




#35
Dibromofluoromethane
Concen: 49.787 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015590.D
Acq: 09 Apr 2020 12:45

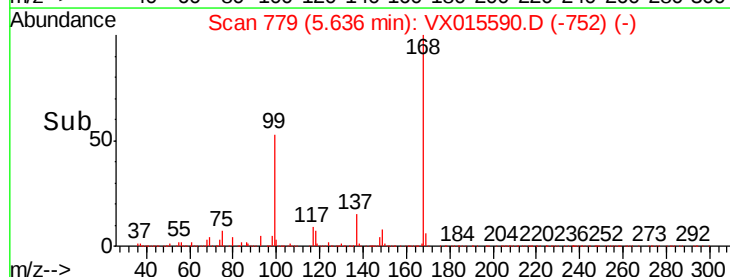
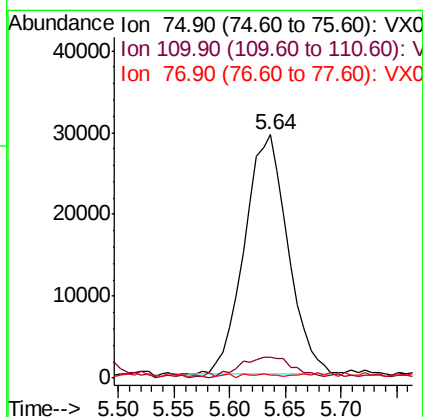
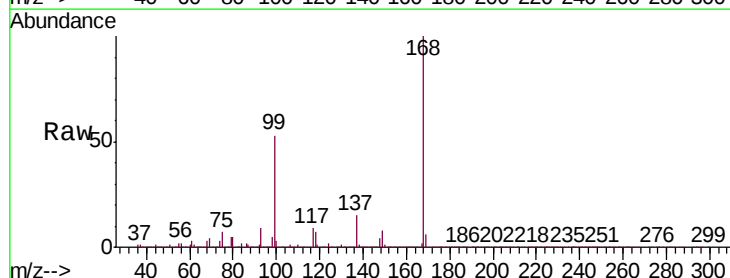
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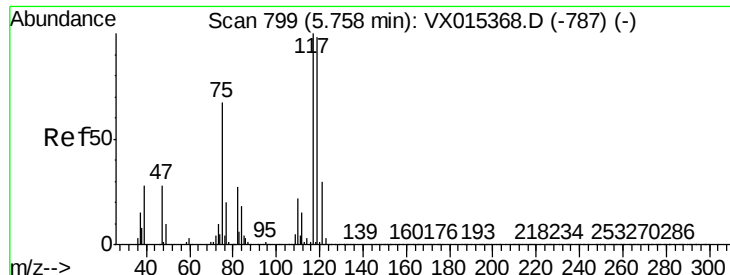
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.5	122.3
192	23.5	17.8	26.6



#36
1,1-Dichloropropene
Concen: 5.094 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.13 min
Lab File: VX015590.D
Acq: 09 Apr 2020 12:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	17.1	51.3#
77	0.0	24.6	36.8#

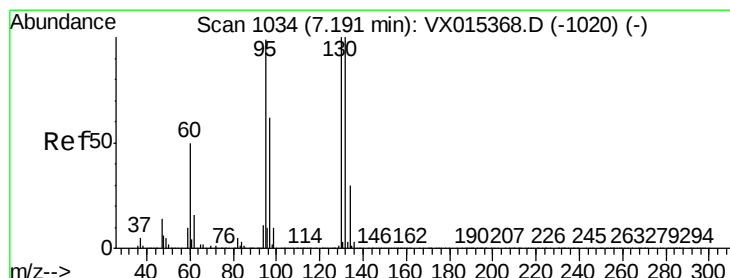
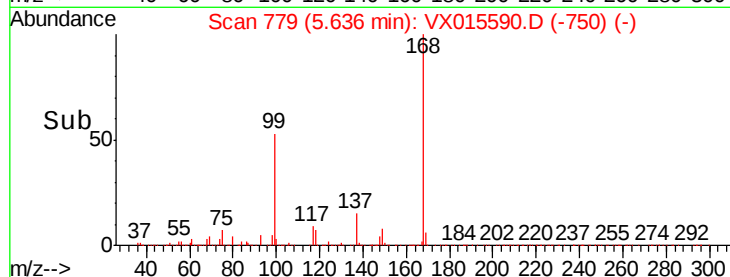
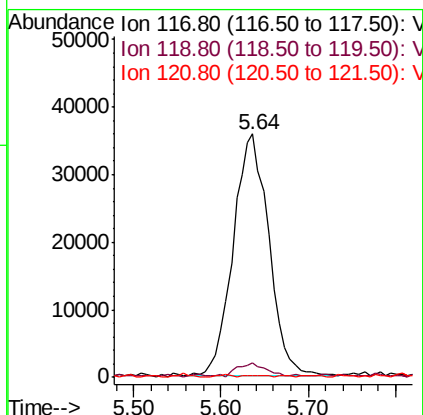
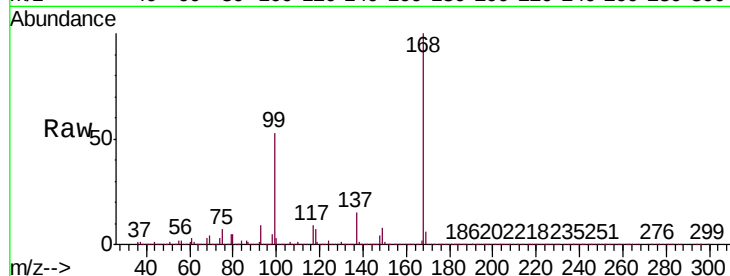




#38
Carbon Tetrachloride
Concen: 6.002 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.12 min
Lab File: VX015590.D
Acq: 09 Apr 2020 12:45

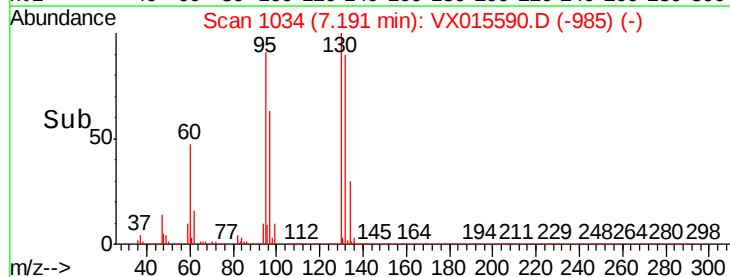
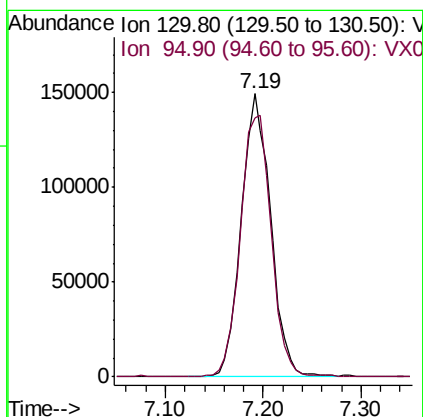
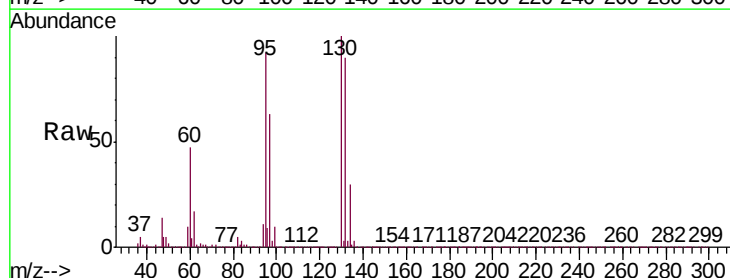
Instrument :
MSVOA_X
ClientSampleId :
STOO8MW158-200407DL

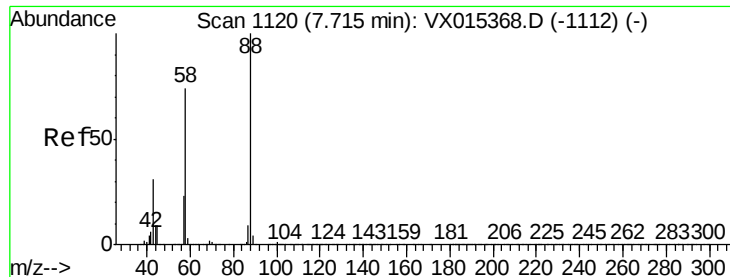
Tgt Ion:117 Resp: 101721
Ion Ratio Lower Upper
117 100
119 5.1 78.0 117.0#
121 0.0 23.8 35.8#



#44
Trichloroethene
Concen: 24.748 ug/l
RT: 7.19 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX015590.D
Acq: 09 Apr 2020 12:45

Tgt Ion:130 Resp: 309337
Ion Ratio Lower Upper
130 100
95 91.6 0.0 199.0

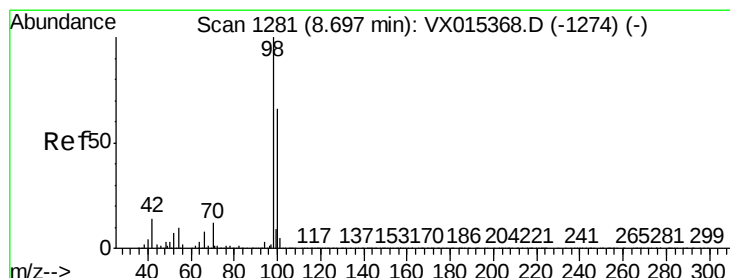
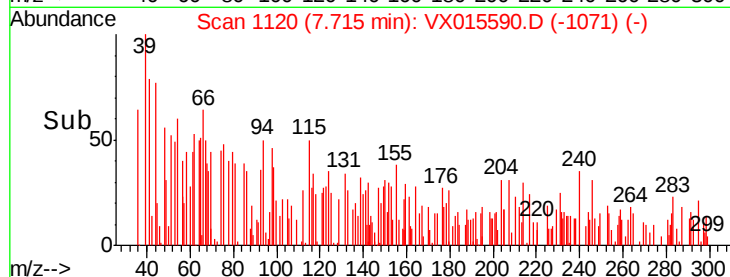
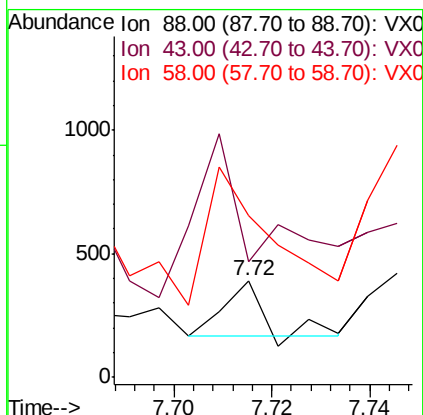
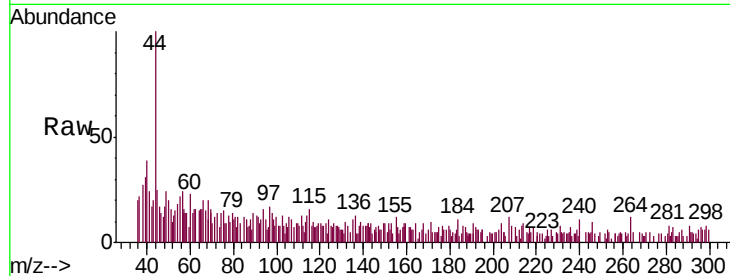




#49
1,4-Dioxane
Concen: 0.421 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. 0.00 min
Lab File: VX015590.D
Acq: 09 Apr 2020 12:45

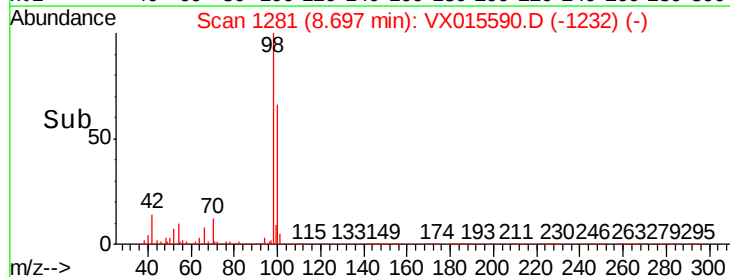
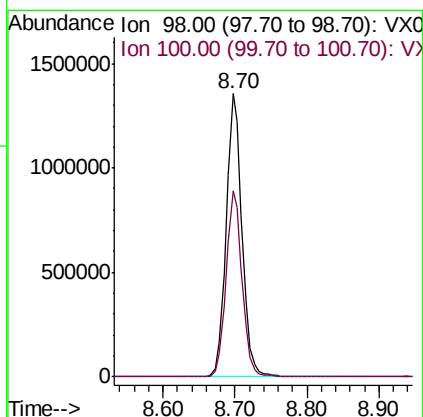
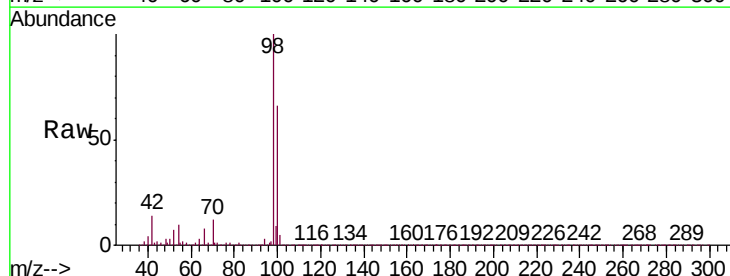
Instrument :
MSVOA_X
ClientSampleId :
STOO8MW158-200407DL

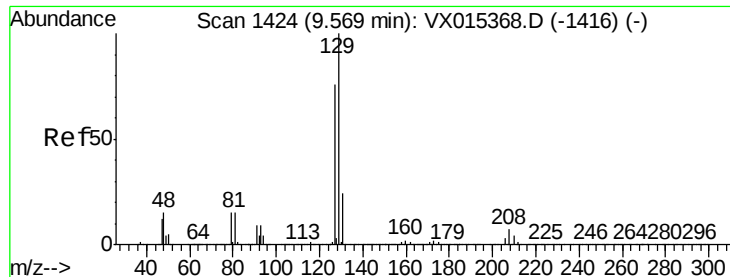
Tgt Ion: 88 Resp: 135
Ion Ratio Lower Upper
88 100
43 439.3 30.1 45.1#
58 472.6 60.6 90.8#



#50
Toluene-d8
Concen: 52.014 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015590.D
Acq: 09 Apr 2020 12:45

Tgt Ion: 98 Resp: 2078743
Ion Ratio Lower Upper
98 100
100 66.5 53.5 80.3





#60

Dibromochloromethane

Concen: 55.294 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.25 min

Lab File: VX015590.D

Acq: 09 Apr 2020 12:45

Instrument :

MSVOA_X

ClientSampleId :

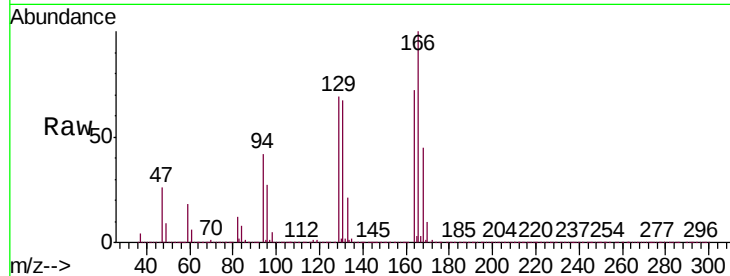
STOO8MW158-200407DL

Tgt Ion:129 Resp: 769211

Ion Ratio Lower Upper

129 100

127 0.2 38.2 114.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

600000

500000

400000

300000

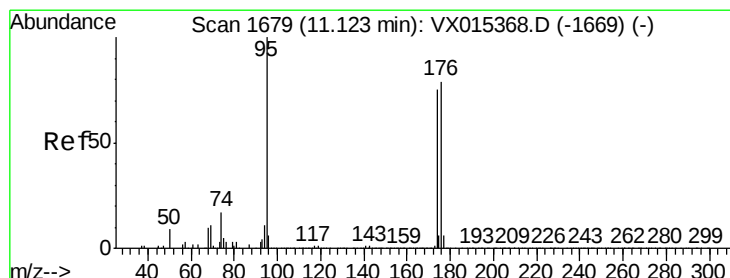
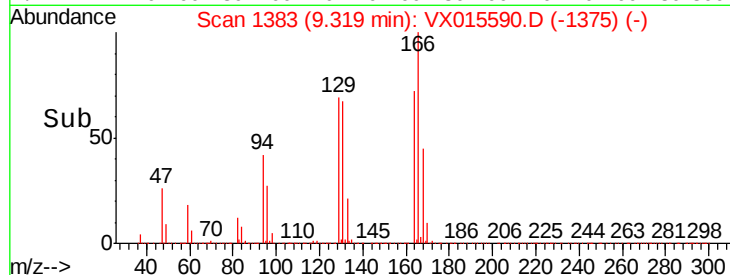
200000

100000

0

9.25 9.30 9.35 9.40 9.45

Time-->



#62

4-Bromofluorobenzene

Concen: 54.449 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015590.D

Acq: 09 Apr 2020 12:45

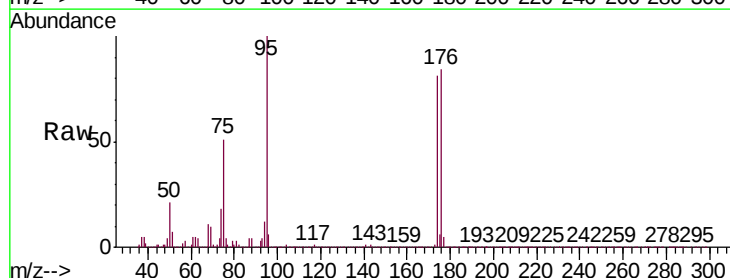
Tgt Ion: 95 Resp: 884347

Ion Ratio Lower Upper

95 100

174 82.1 0.0 158.6

176 81.0 0.0 159.0



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

800000

600000

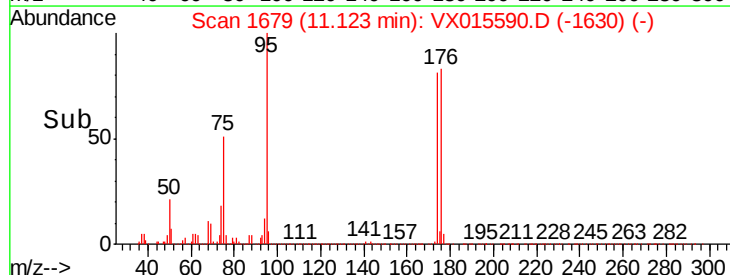
400000

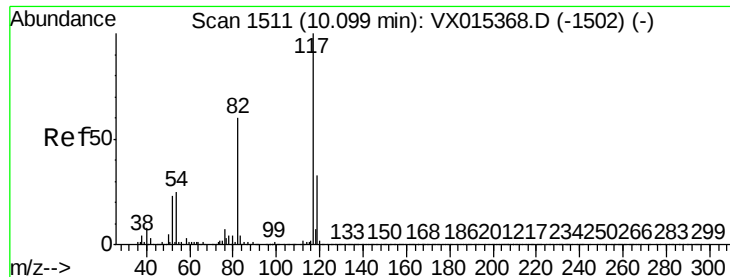
200000

0

11.10 11.12 11.20

Time-->

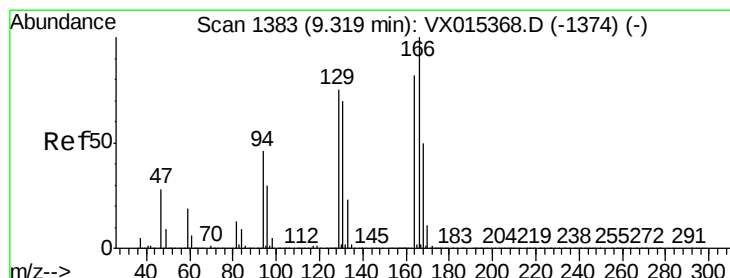
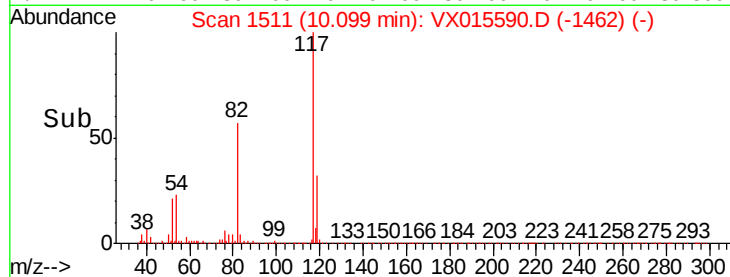
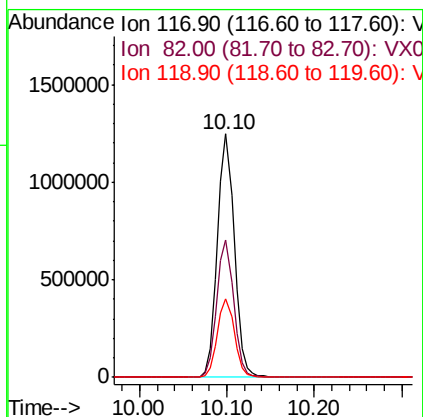
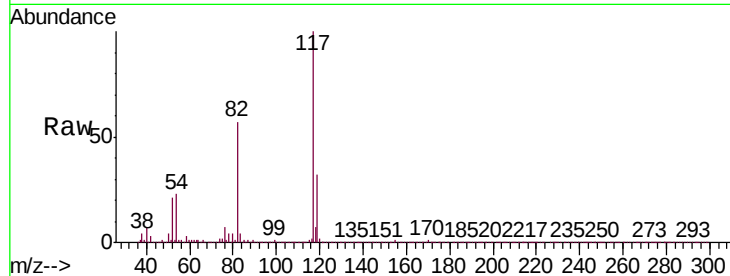




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015590.D
Acq: 09 Apr 2020 12:45

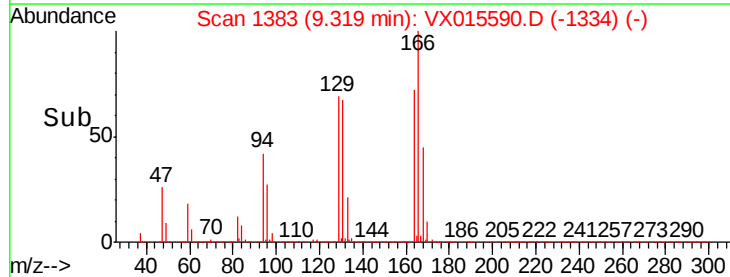
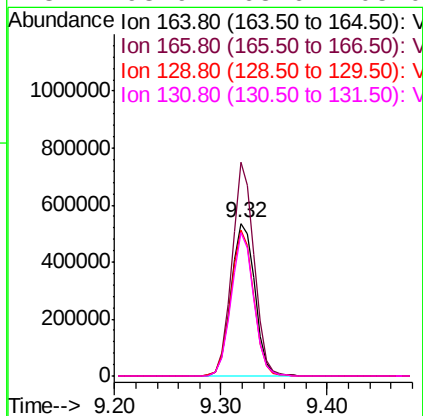
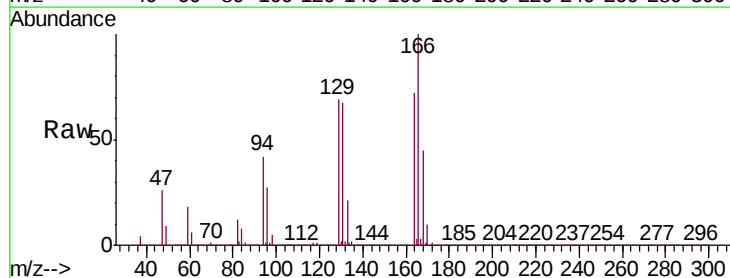
Instrument :
MSVOA_X
ClientSampleId :
STOO8MW158-200407DL

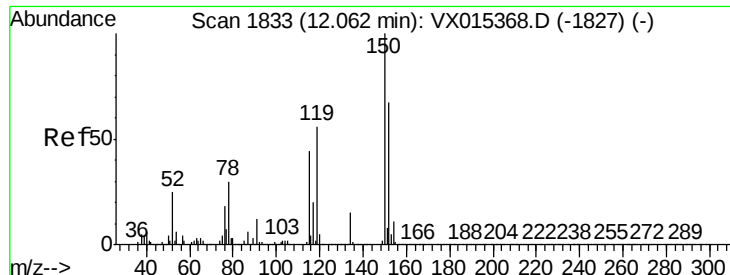
Tgt Ion:117 Resp: 1668002
Ion Ratio Lower Upper
117 100
82 56.6 47.8 71.8
119 32.3 26.8 40.2



#64
Tetrachloroethene
Concen: 66.734 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX015590.D
Acq: 09 Apr 2020 12:45

Tgt Ion:164 Resp: 840051
Ion Ratio Lower Upper
164 100
166 139.7 97.8 146.6
129 95.8 73.0 109.4
131 93.9 68.6 103.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015590.D

Acq: 09 Apr 2020 12:45

Instrument :

MSVOA_X

ClientSampleId :

STOO8MW158-200407DL

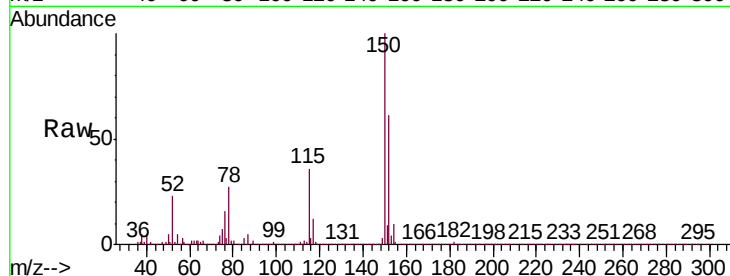
Tgt Ion: 152 Resp: 922797

Ion Ratio Lower Upper

152 100

115 57.4 39.0 116.9

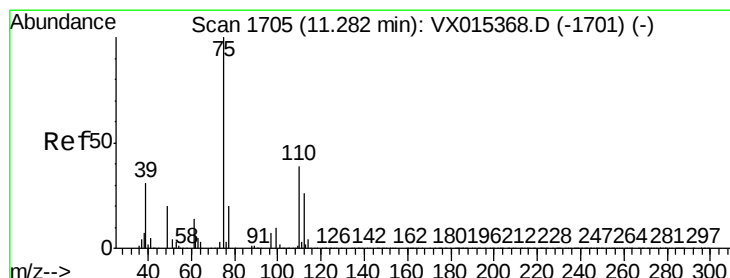
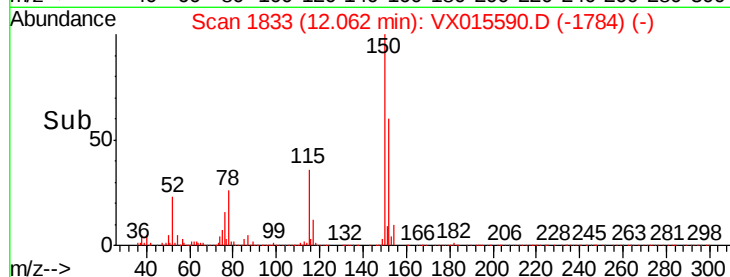
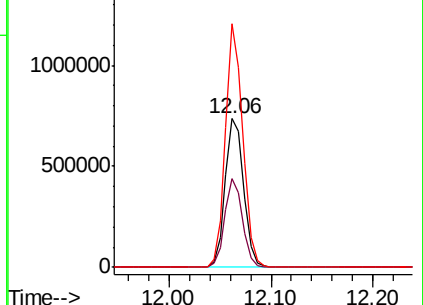
150 153.5 0.0 340.8



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: 23.985 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015590.D

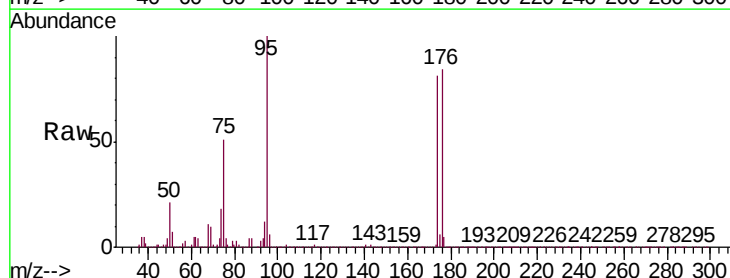
Acq: 09 Apr 2020 12:45

Tgt Ion: 75 Resp: 455158

Ion Ratio Lower Upper

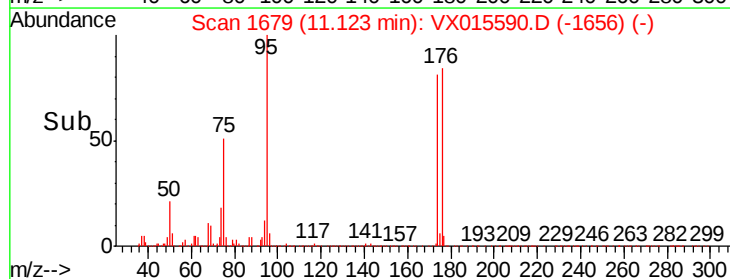
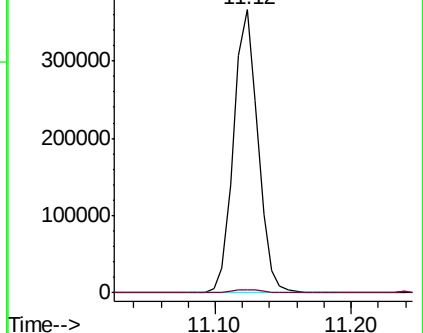
75 100

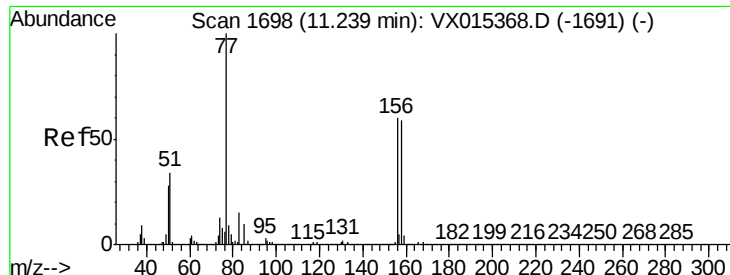
77 1.1 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 0.218 ug/l

RT: 11.25 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX015590.D

Acq: 09 Apr 2020 12:45

Instrument :

MSVOA_X

ClientSampleId :

STOO8MW158-200407DL

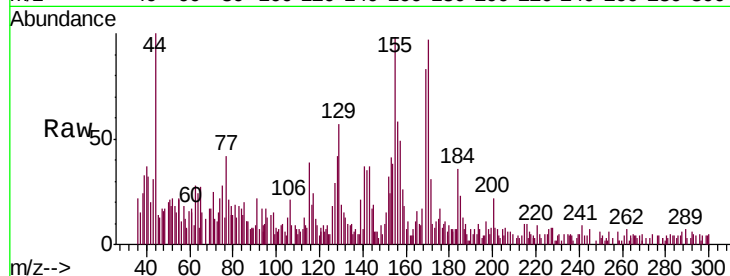
Tgt Ion: 156 Resp: 3517

Ion Ratio Lower Upper

156 100

77 41.9 82.2 246.5#

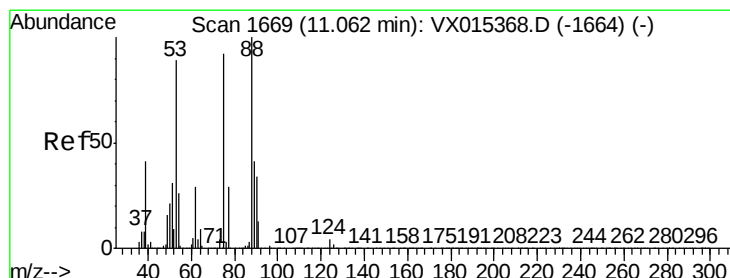
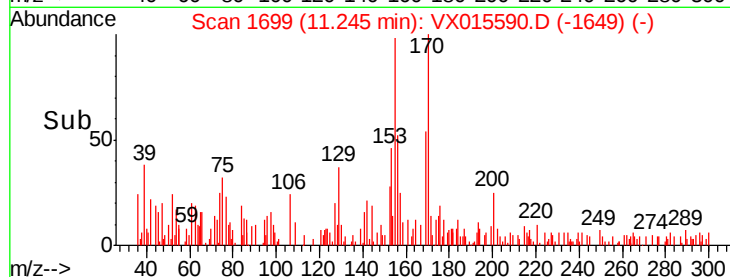
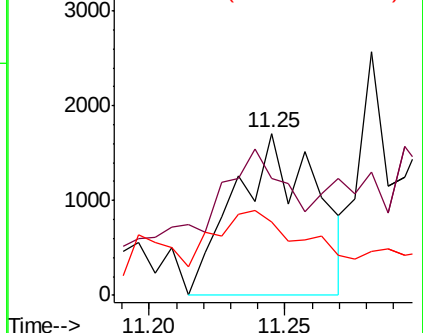
158 44.6 49.3 147.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 57.552 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015590.D

Acq: 09 Apr 2020 12:45

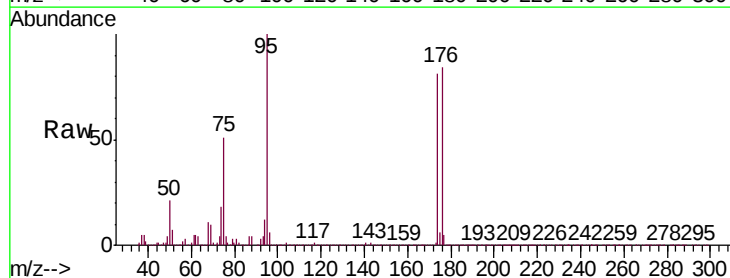
Tgt Ion: 75 Resp: 455158

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

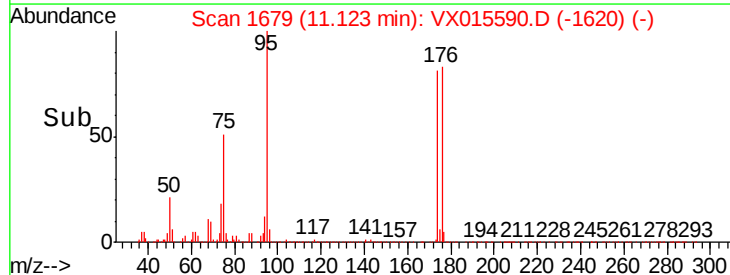
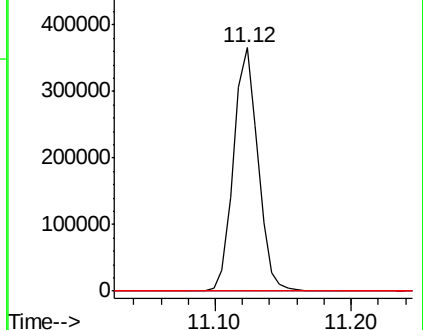
89 0.0 36.1 54.1#

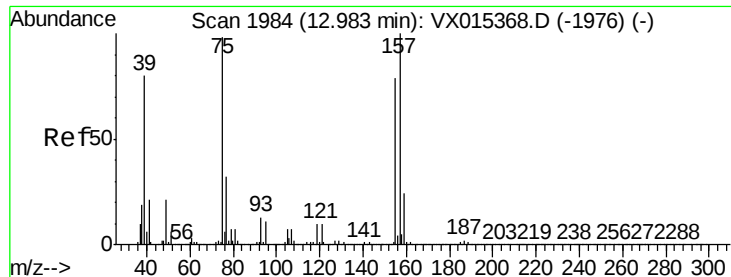


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.268 ug/l

RT: 13.00 min Scan# 1987

Delta R.T. 0.02 min

Lab File: VX015590.D

Acq: 09 Apr 2020 12:45

Instrument :

MSVOA_X

ClientSampleId :

STOO8MW158-200407DL

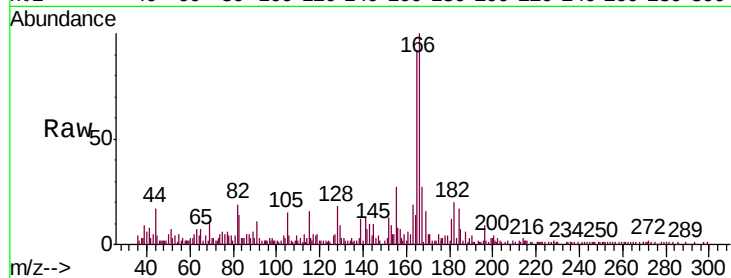
Tgt Ion: 75 Resp: 1571

Ion Ratio Lower Upper

75 100

155 0.0 42.8 128.4#

157 117.2 53.4 160.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

