

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042220\
 Data File : VX015853.D
 Acq On : 22 Apr 2020 19:39
 Operator : JC/SP
 Sample : L2379-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008RW258-200420

Quant Time: Apr 23 04:55:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	909483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1402098	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1372459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	758054	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	514517	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
35) Dibromofluoromethane	5.47	113	408199	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
50) Toluene-d8	8.70	98	1700834	52.20	ug/l	0.00
Spiked Amount			Recovery	=	104.40%	
62) 4-Bromofluorobenzene	11.12	95	714690	53.47	ug/l	0.00
Spiked Amount			Recovery	=	106.94%	

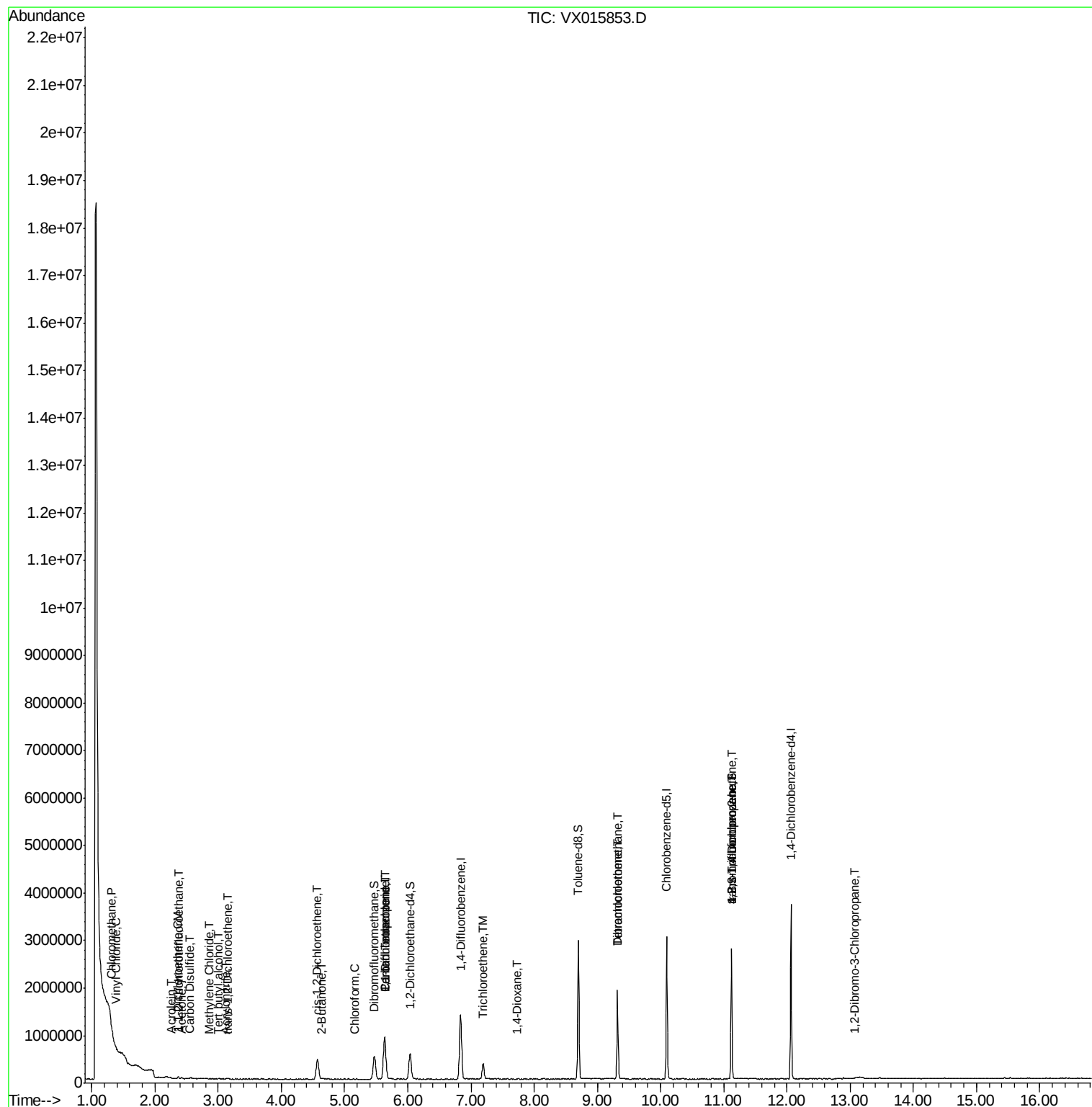
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	4128	0.518	ug/l #	81
4) Vinyl Chloride	1.39	62	1932	0.209	ug/l #	50
9) 1,1,2-Trichlorotrifluoroet	2.37	101	16333	2.103	ug/l	98
11) Tert butyl alcohol	3.01	59	518	0.245	ug/l #	1
12) 1,1-Dichloroethene	2.36	96	1903	0.239	ug/l #	46
13) Acrolein	2.26	56	497	0.397	ug/l #	64
15) Acrylonitrile	3.12	53	1296	0.264	ug/l #	37
16) Acetone	2.42	43	23825	5.290	ug/l	95
17) Carbon Disulfide	2.55	76	21141	0.731	ug/l #	94
20) Methylene Chloride	2.84	84	3492	0.382	ug/l #	67
21) trans-1,2-Dichloroethene	3.15	96	6761	0.765	ug/l	89
25) 2-Butanone	4.64	43	1543	0.217	ug/l #	51
27) cis-1,2-Dichloroethene	4.57	96	271603	27.068	ug/l	89
30) Chloroform	5.17	83	4518	0.282	ug/l	95
36) 1,1-Dichloropropene	5.63	75	62708	5.045	ug/l #	52
38) Carbon Tetrachloride	5.63	117	83133	6.790	ug/l #	15
44) Trichloroethene	7.19	130	135009	10.262	ug/l	94
49) 1,4-Dioxane	7.72	88	1865	8.040	ug/l #	67
60) Dibromochloromethane	9.32	129	349896	36.160	ug/l #	10
64) Tetrachloroethene	9.32	164	385934	20.862	ug/l	88
76) 1,2,3-Trichloropropane	11.12	75	343734	23.846	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	343734	57.361	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	13.07	75	732	0.242	ug/l	64

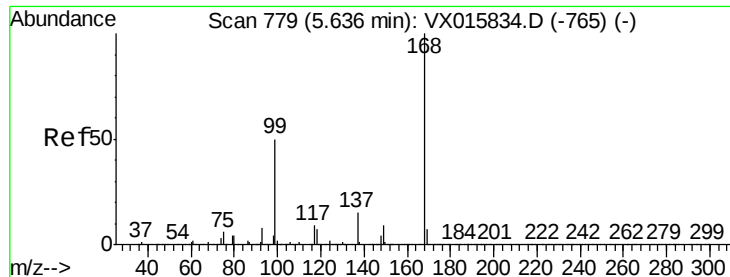
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042220\
Data File : VX015853.D
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Quant Time: Apr 23 04:55:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 23 04:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.00 min

Lab File: VX015853.D

Acq: 22 Apr 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

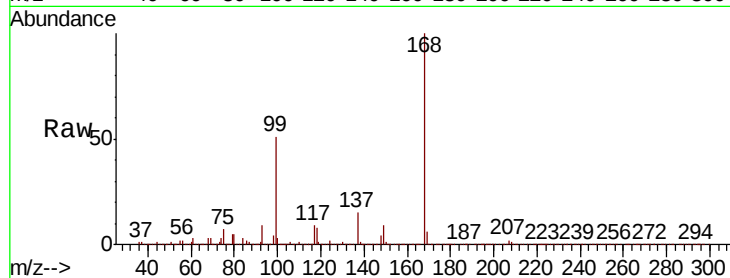
ST008RW258-200420

Tot Ion:168 Resp: 909483

Ion Ratio Lower Upper

168 100

99 51.3 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

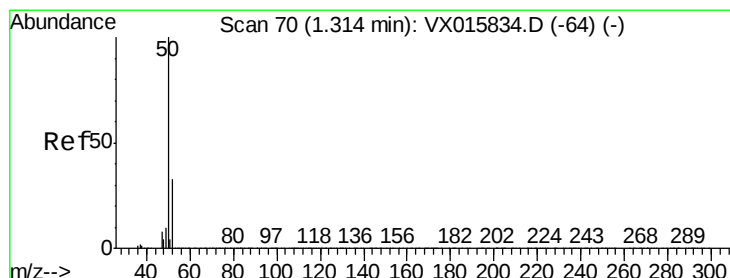
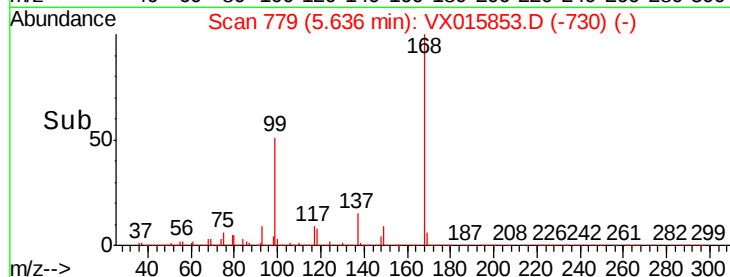
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.518 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015853.D

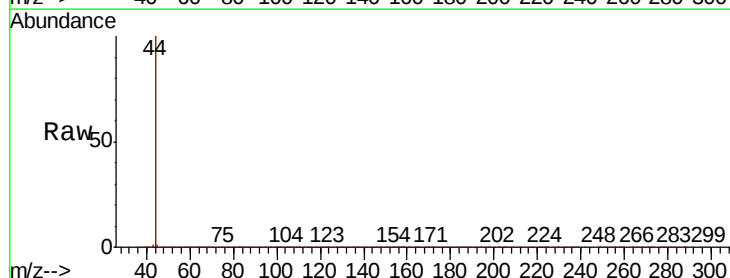
Acq: 22 Apr 2020 19:39

Tgt Ion: 50 Resp: 4128

Ion Ratio Lower Upper

50 100

52 22.0 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

4000

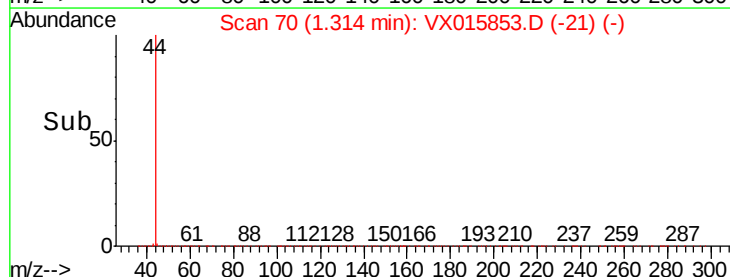
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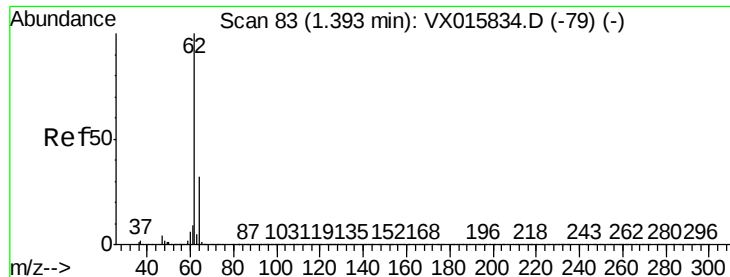
2000

1000

0

Time-->





#4

Vinyl Chloride

Concen: 0.209 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015853.D

Acq: 22 Apr 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

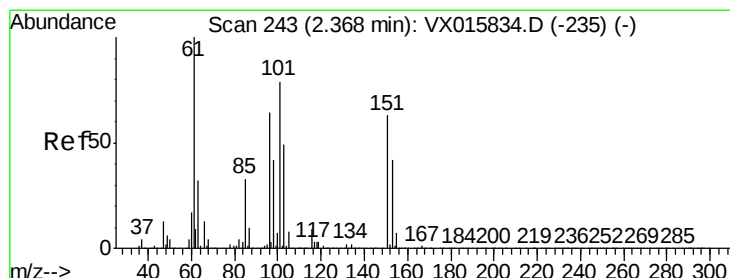
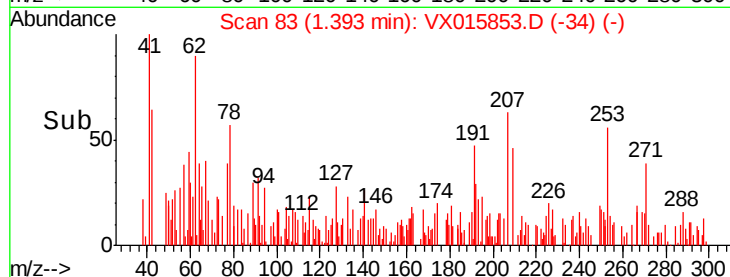
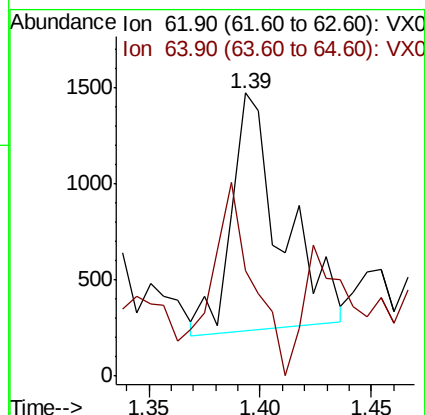
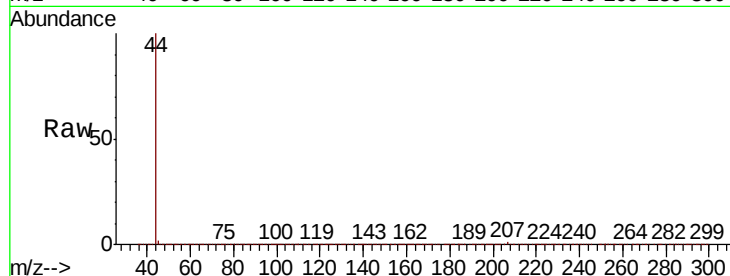
ST008RW258-200420

Tot Ion: 62 Resp: 1932

Ion Ratio Lower Upper

62 100

64 59.4 25.4 38.2#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.103 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX015853.D

Acq: 22 Apr 2020 19:39

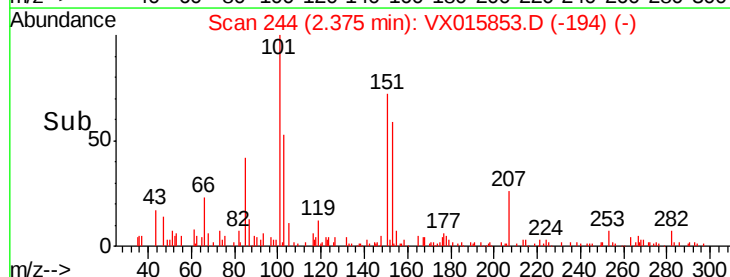
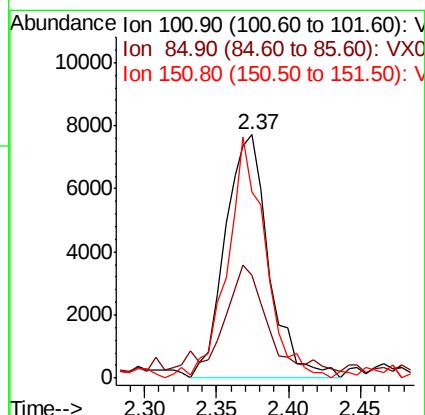
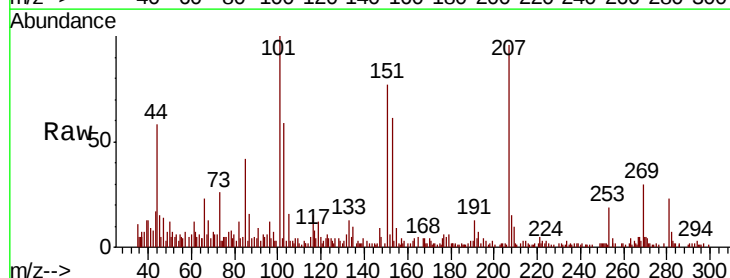
Tgt Ion: 101 Resp: 16333

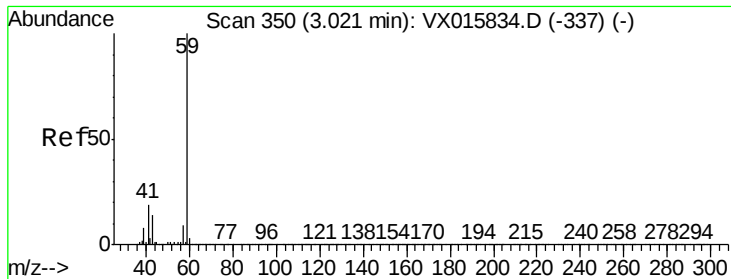
Ion Ratio Lower Upper

101 100

85 43.0 33.8 50.6

151 86.4 67.8 101.6



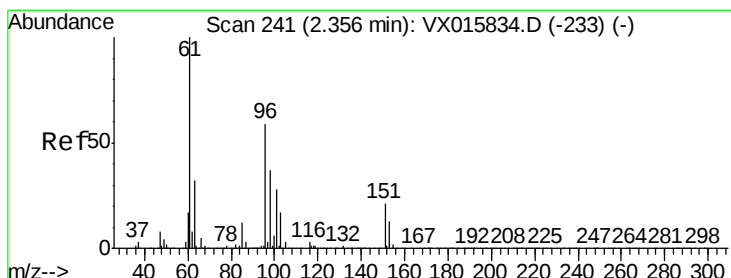
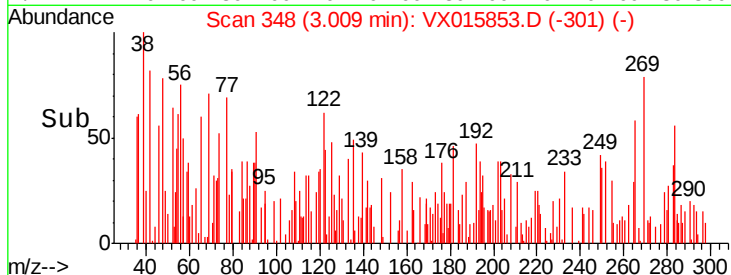
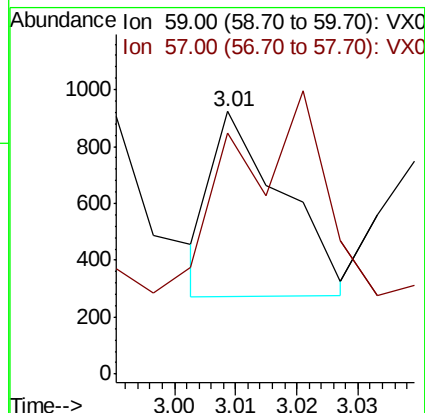
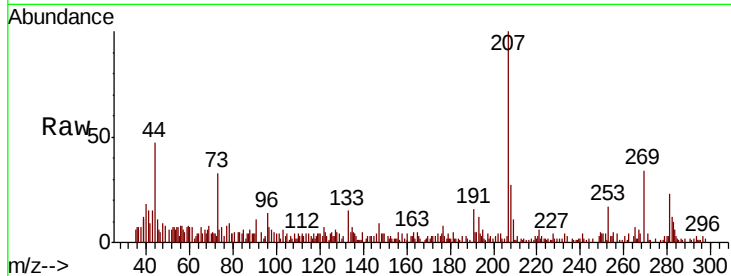


#11

Tert butyl alcohol
Concen: 0.245 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.01 min
Lab File: VX015853.D
Acq: 22 Apr 2020 19:39

Instrument :
MSVOA_X
ClientSampleId :
ST008RW258-200420

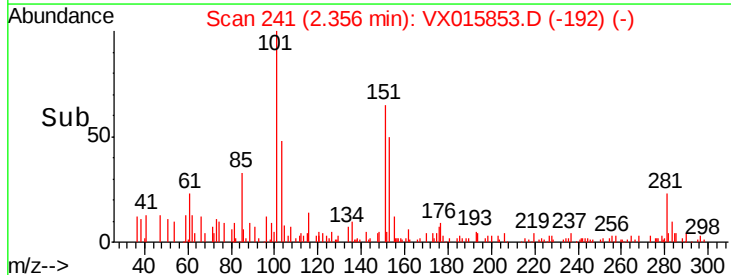
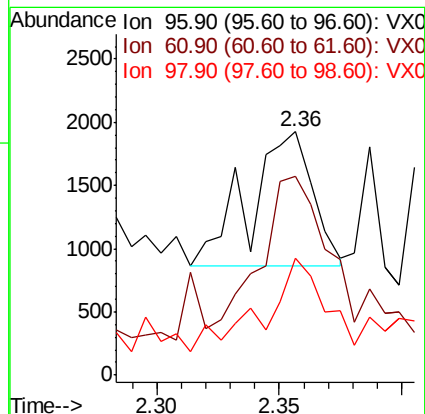
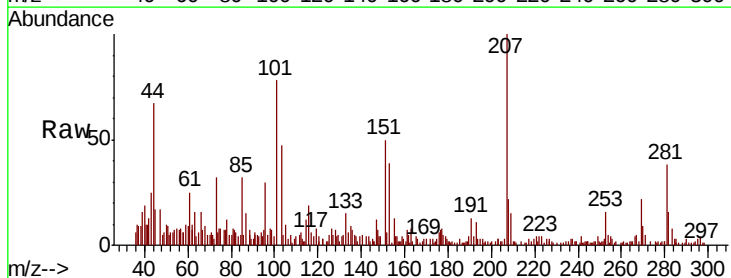
Tot Ion: 59 Resp: 518
Ion Ratio Lower Upper
59 100
57 151.9 8.2 12.2#

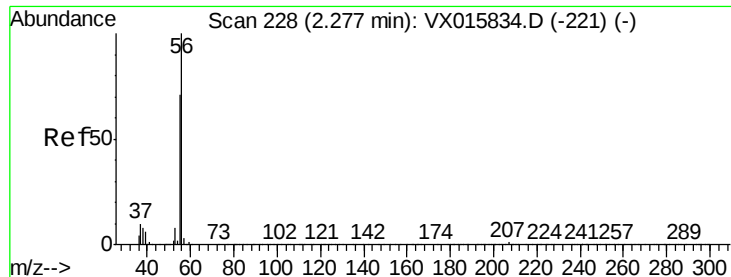


#12

1,1-Dichloroethene
Concen: 0.239 ug/l
RT: 2.36 min Scan# 241
Delta R.T. 0.00 min
Lab File: VX015853.D
Acq: 22 Apr 2020 19:39

Tgt Ion: 96 Resp: 1903
Ion Ratio Lower Upper
96 100
61 71.5 135.0 202.6#
98 69.8 50.6 76.0

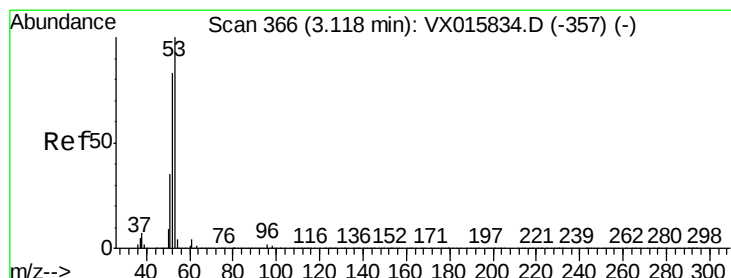
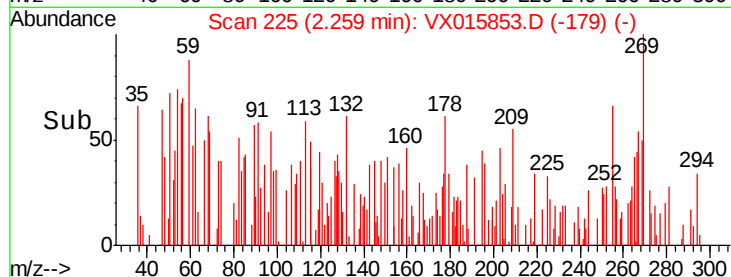
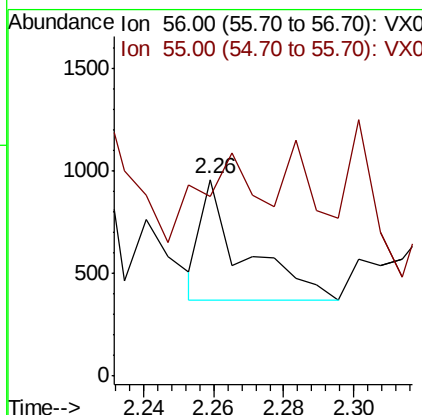
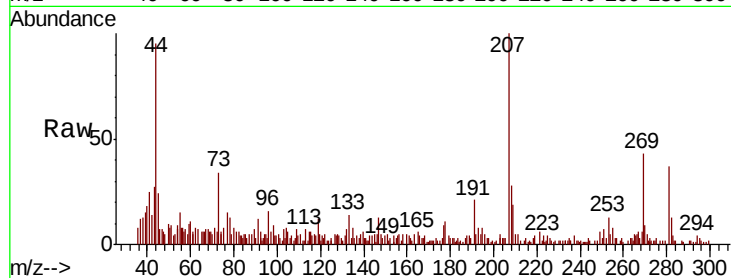




#13
Acrolein
Concen: 0.397 ug/l
RT: 2.26 min Scan# 225
Delta R.T. -0.02 min
Lab File: VX015853.D
Acq: 22 Apr 2020 19:39

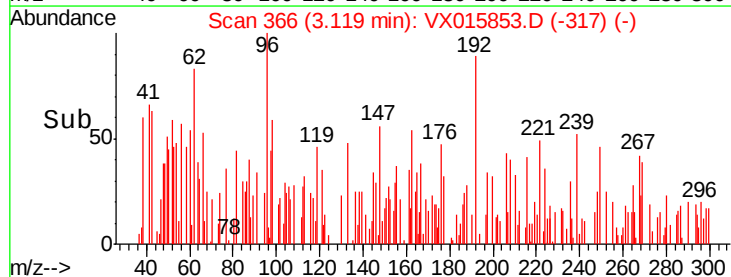
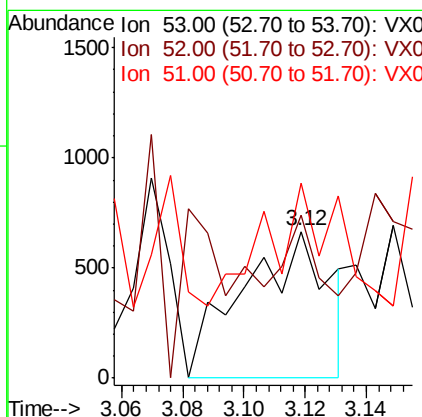
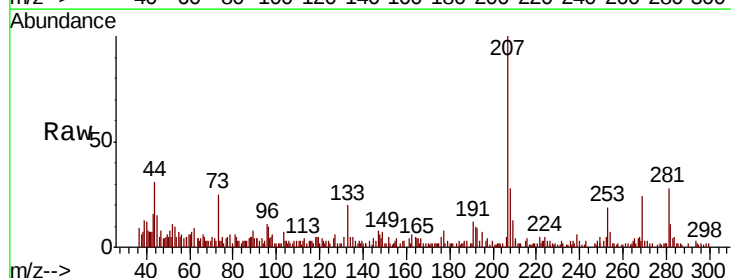
Instrument :
MSVOA_X
ClientSampleId :
ST008RW258-200420

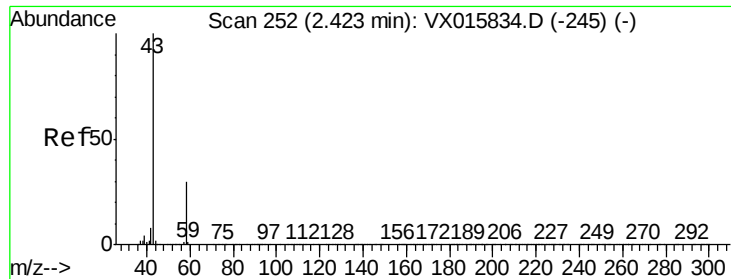
Tot Ion: 56 Resp: 497
Ion Ratio Lower Upper
56 100
55 99.6 56.1 84.1#



#15
Acrylonitrile
Concen: 0.264 ug/l
RT: 3.12 min Scan# 366
Delta R.T. 0.00 min
Lab File: VX015853.D
Acq: 22 Apr 2020 19:39

Tgt Ion: 53 Resp: 1296
Ion Ratio Lower Upper
53 100
52 22.4 66.2 99.4#
51 66.6 28.6 43.0#

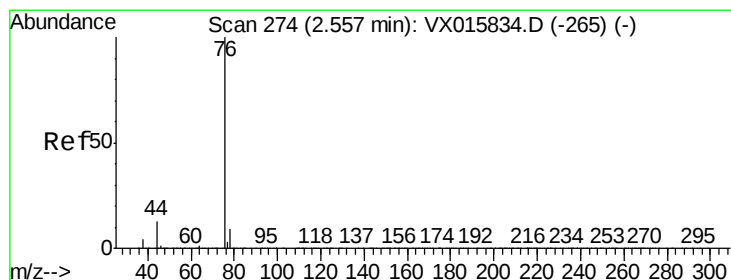
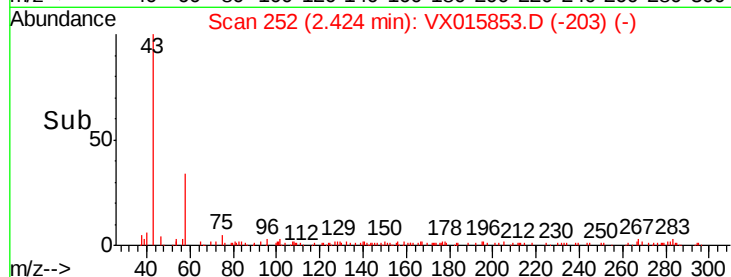
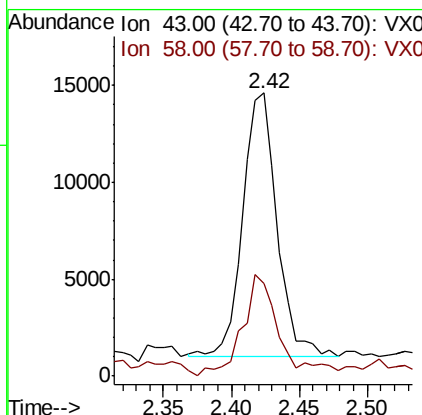
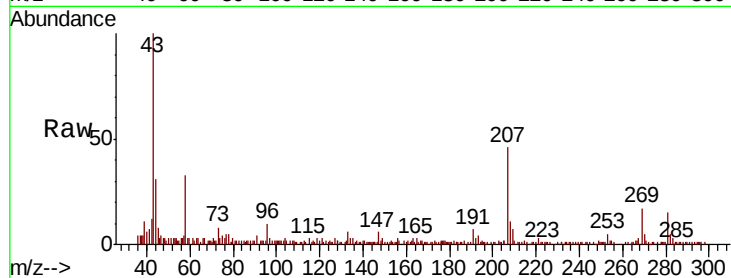




#16
Acetone
Concen: 5.290 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.00 min
Lab File: VX015853.D
Acq: 22 Apr 2020 19:39

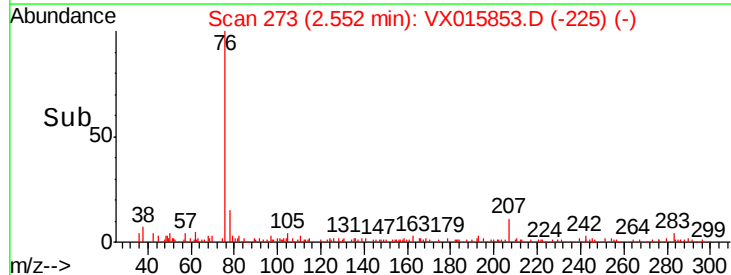
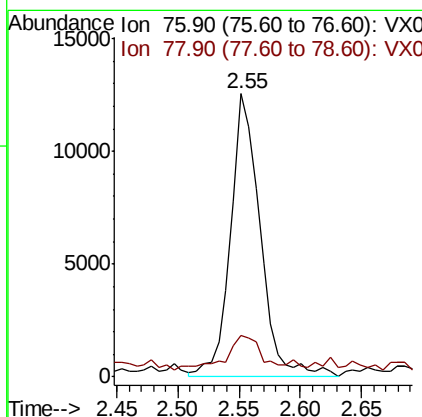
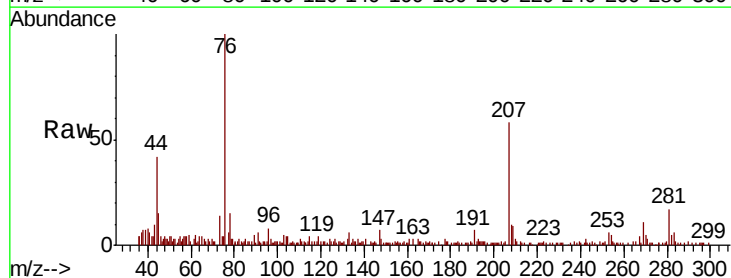
Instrument :
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ClientSampleId :
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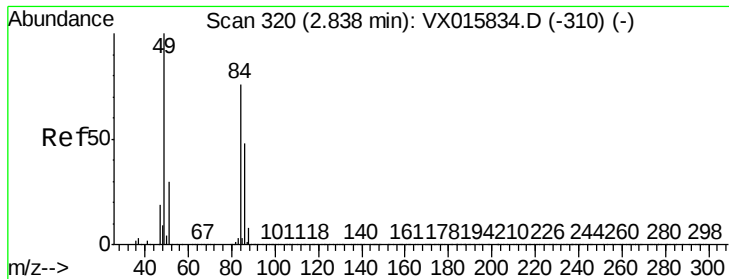
Tot Ion: 43 Resp: 23825
Ion Ratio Lower Upper
43 100
58 32.8 24.0 36.0



#17
Carbon Disulfide
Concen: 0.731 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.01 min
Lab File: VX015853.D
Acq: 22 Apr 2020 19:39

Tgt Ion: 76 Resp: 21141
Ion Ratio Lower Upper
76 100
78 11.3 7.4 11.2#

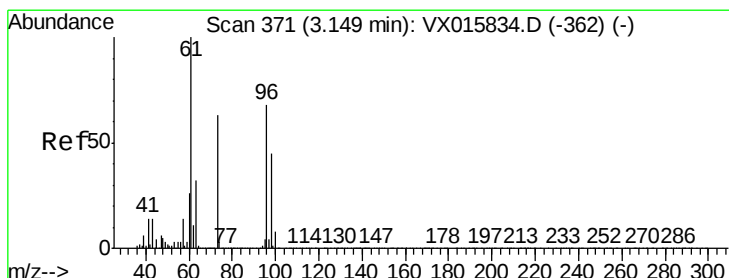
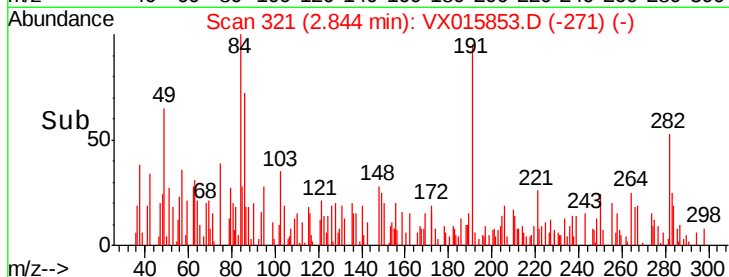
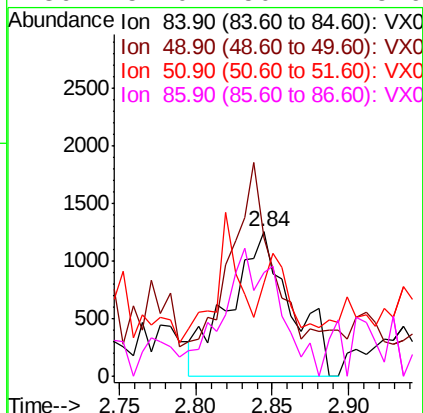
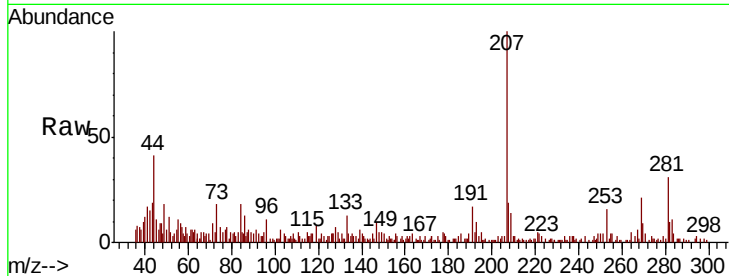




#20
Methvlene Chloride
Concen: 0.382 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.01 min
Lab File: VX015853.D
Acq: 22 Apr 2020 19:39

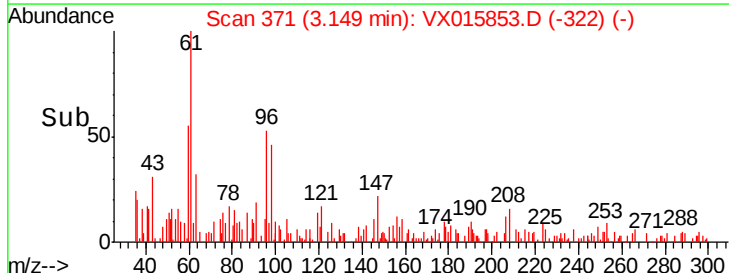
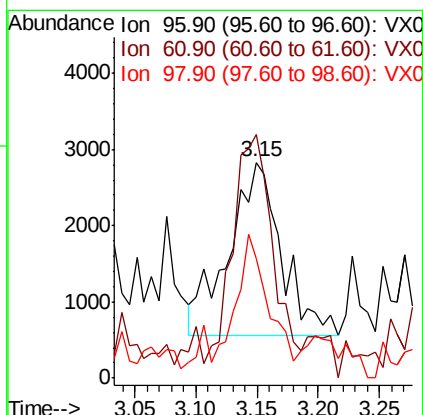
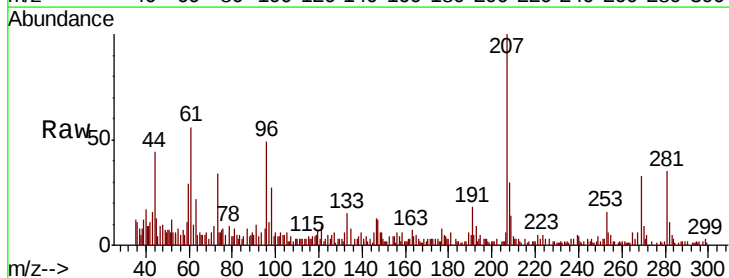
Instrument :
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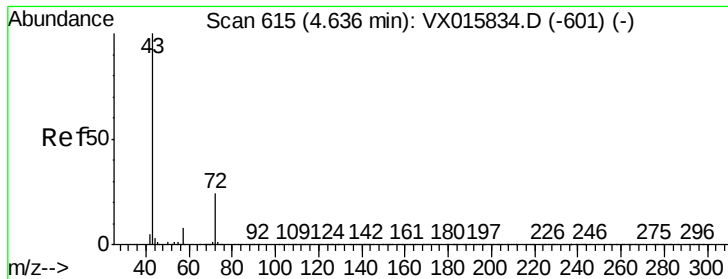
Tot Ion:	84	Resp:	3492
Ion	Ratio	Lower	Upper
84	100		
49	72.3	104.9	157.3#
51	31.7	32.0	48.0#
86	54.0	50.4	75.6



#21
trans-1,2-Dichloroethene
Concen: 0.765 ug/l
RT: 3.15 min Scan# 371
Delta R.T. 0.00 min
Lab File: VX015853.D
Acq: 22 Apr 2020 19:39

Tgt Ion:	96	Resp:	6761
Ion	Ratio	Lower	Upper
96	100		
61	130.6	117.5	176.3
98	60.2	52.7	79.1





#25

2-Butanone

Concen: 0.217 ug/l

RT: 4.64 min Scan# 616

Delta R.T. 0.01 min

Lab File: VX015853.D

Acq: 22 Apr 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

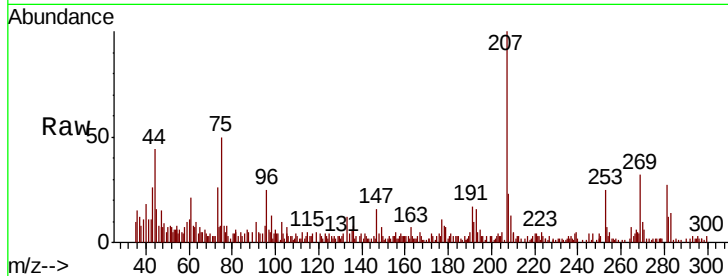
ST008RW258-200420

Tot Ion: 43 Resp: 1543

Ion Ratio Lower Upper

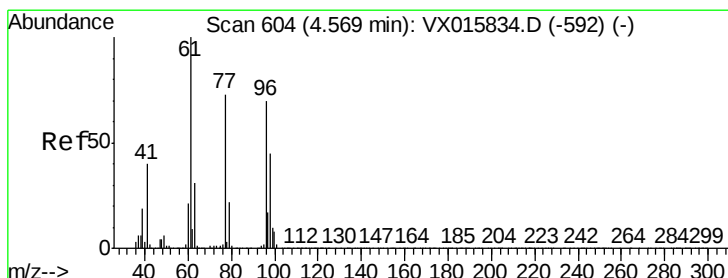
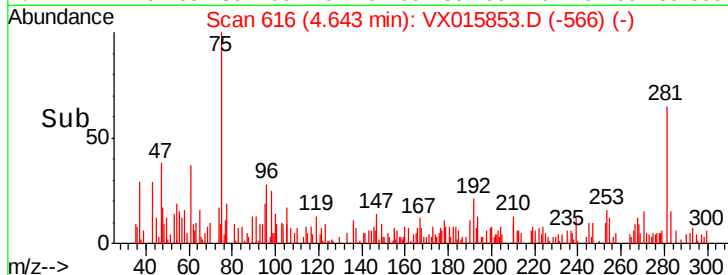
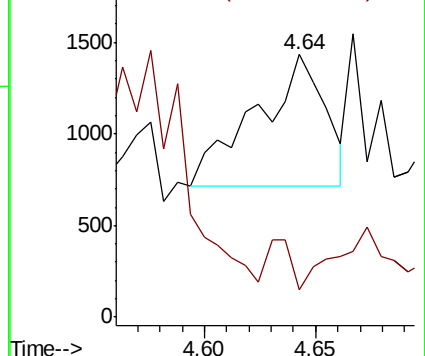
43 100

72 0.0 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 27.068 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX015853.D

Acq: 22 Apr 2020 19:39

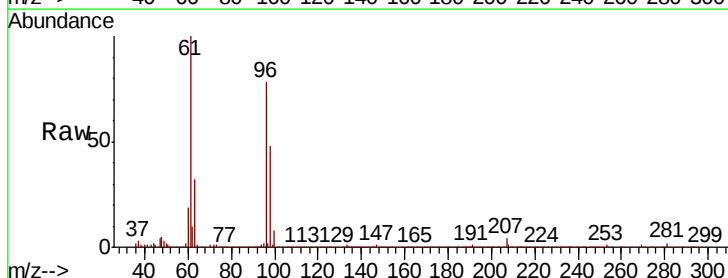
Tgt Ion: 96 Resp: 271603

Ion Ratio Lower Upper

96 100

61 130.2 0.0 299.4

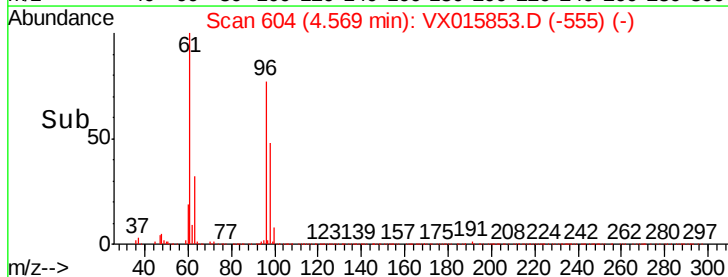
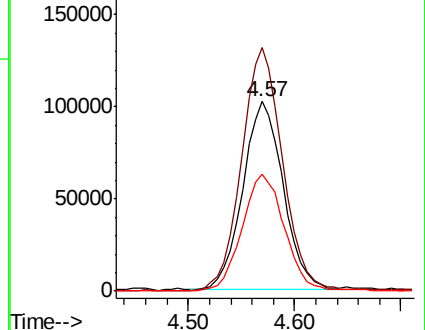
98 65.5 0.0 129.6

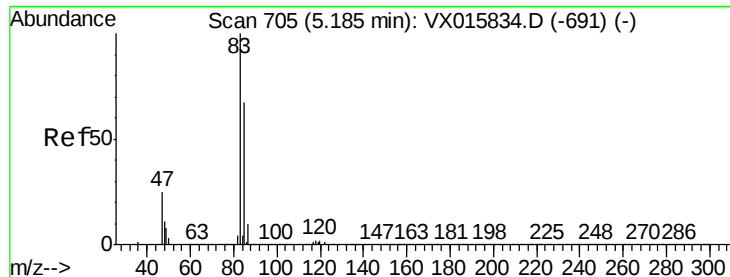


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

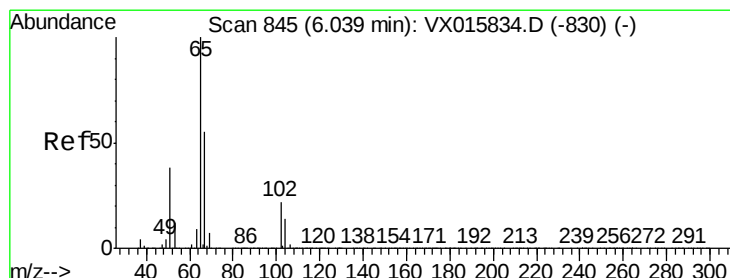
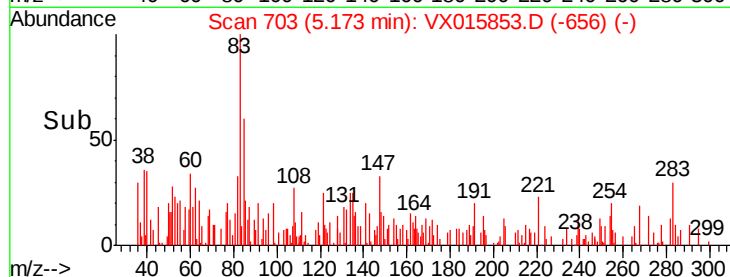
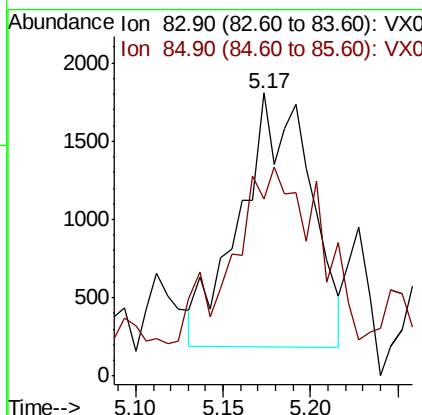
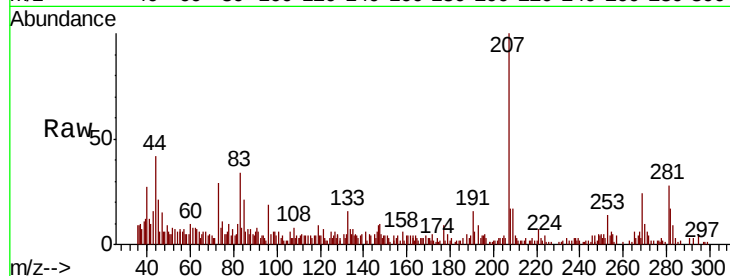




#30
Chloroform
Concen: 0.282 ug/l
RT: 5.17 min Scan# 703
Delta R.T. -0.01 min
Lab File: VX015853.D
Acq: 22 Apr 2020 19:39

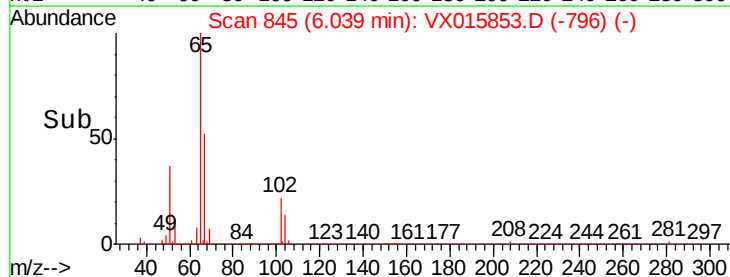
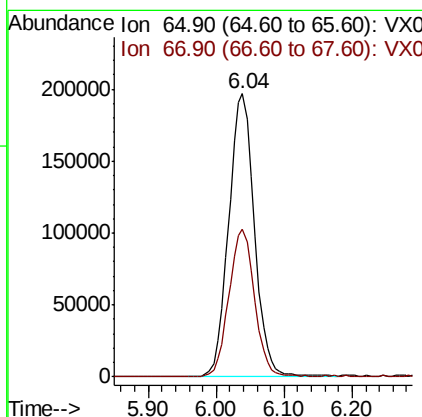
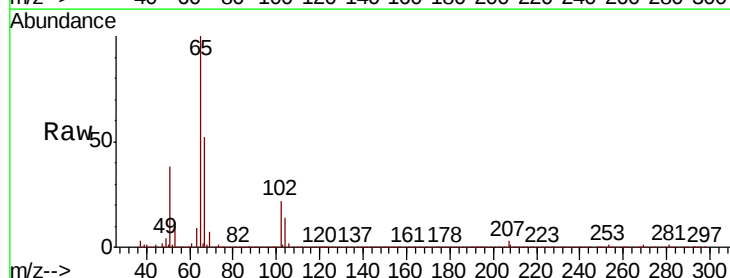
Instrument :
MSVOA_X
ClientSampleId :
ST008RW258-200420

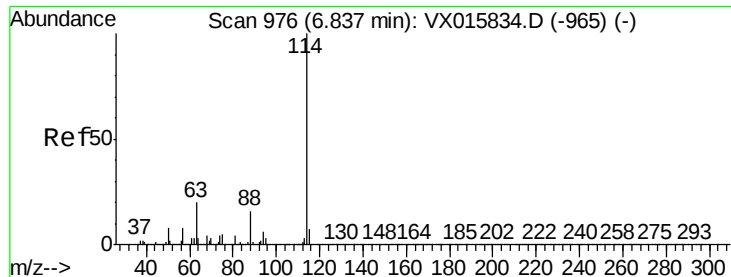
Tot Ion: 83 Resp: 4518
Ion Ratio Lower Upper
83 100
85 70.4 53.4 80.0



#33
1,2-Dichloroethane-d4
Concen: 49.740 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.00 min
Lab File: VX015853.D
Acq: 22 Apr 2020 19:39

Tgt Ion: 65 Resp: 514517
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.2

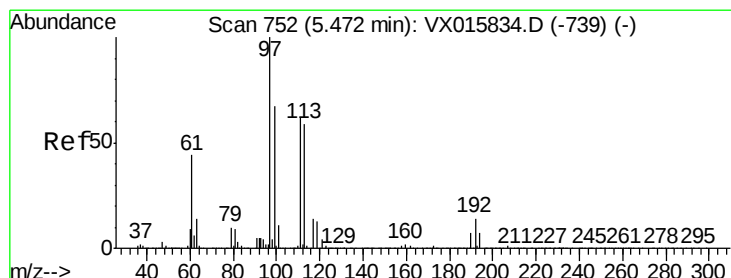
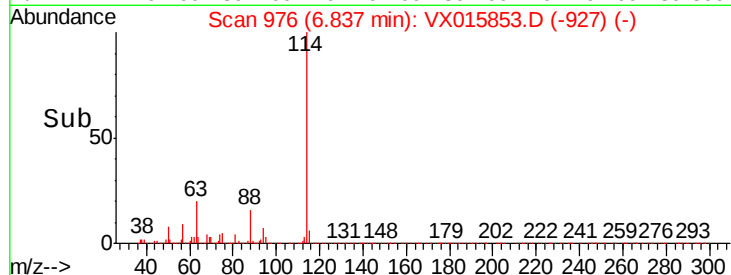
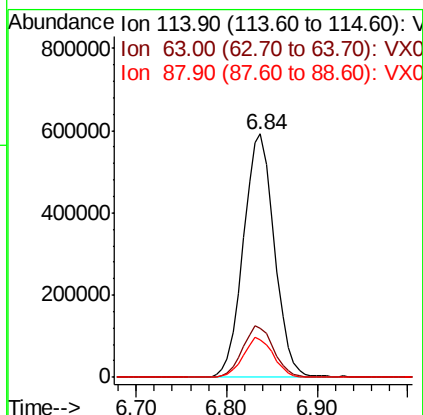
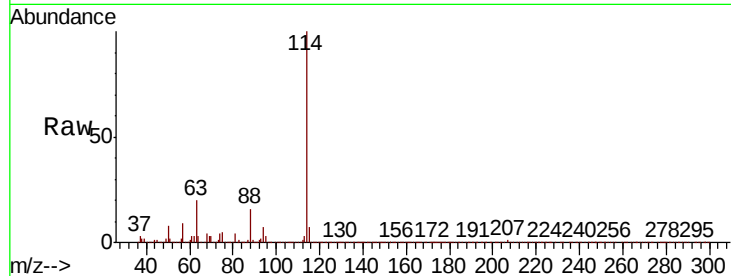




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015853.D
 Acq: 22 Apr 2020 19:39

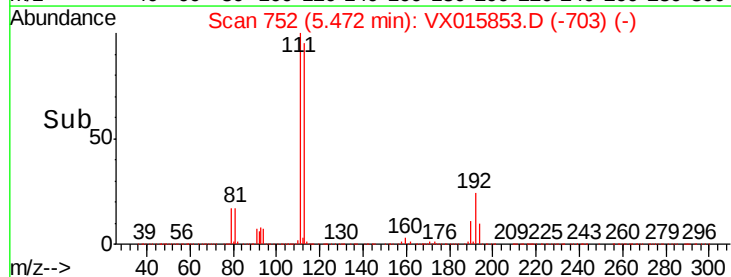
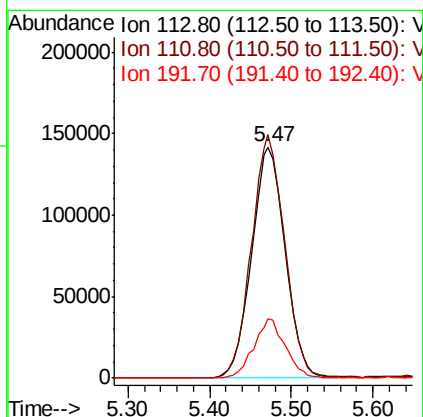
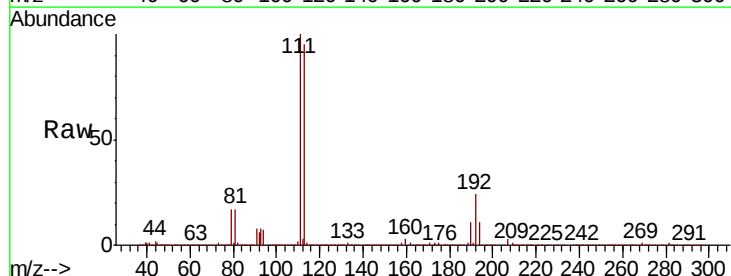
Instrument :
 MSVOA_X
 ClientSampleId :
 ST008RW258-200420

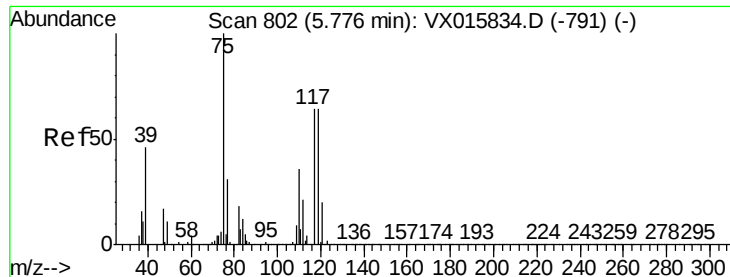
Tot Ion:114 Resp: 1402098
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.6
 88 15.5 0.0 32.8



#35
 Dibromofluoromethane
 Concen: 50.437 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015853.D
 Acq: 22 Apr 2020 19:39

Tgt Ion:113 Resp: 408199
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.7 124.1
 192 24.1 19.3 28.9

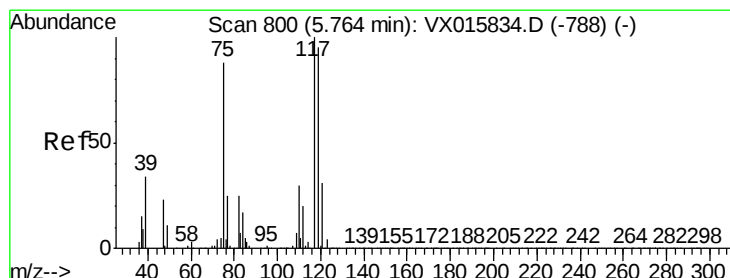
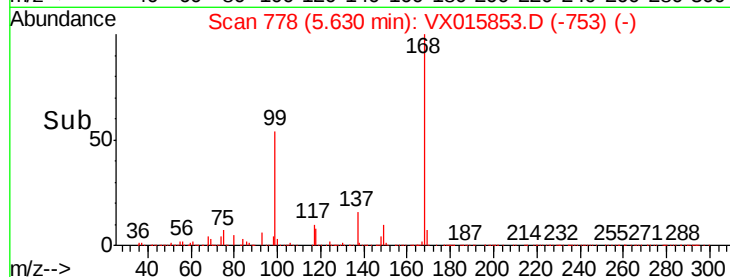
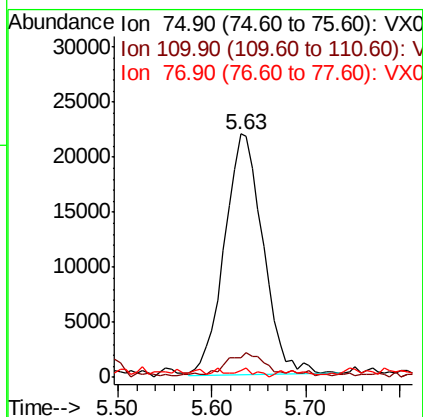
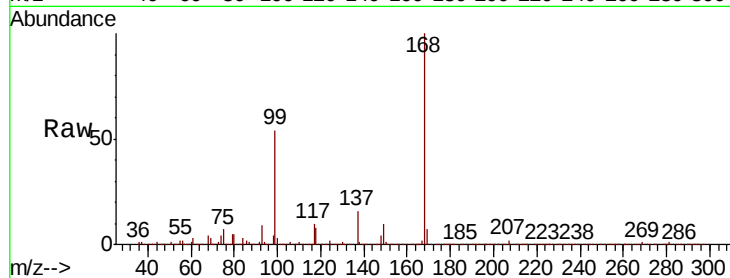




#36
 1,1-Dichloropropene
 Concen: 5.045 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.15 min
 Lab File: VX015853.D
 Acq: 22 Apr 2020 19:39

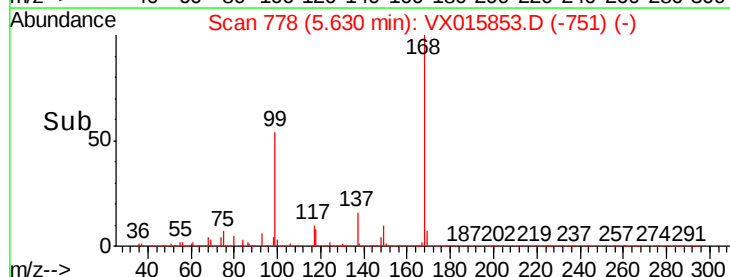
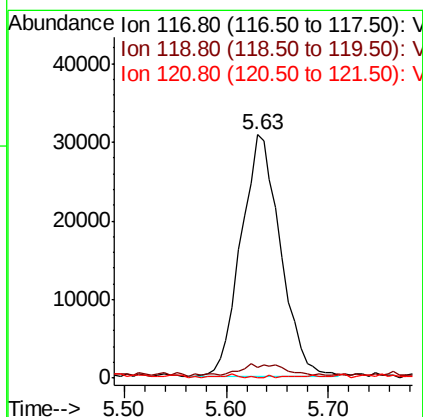
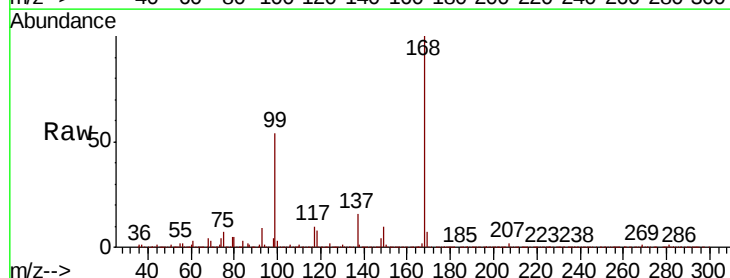
Instrument :
 MSVOA_X
 ClientSampleId :
 ST008RW258-200420

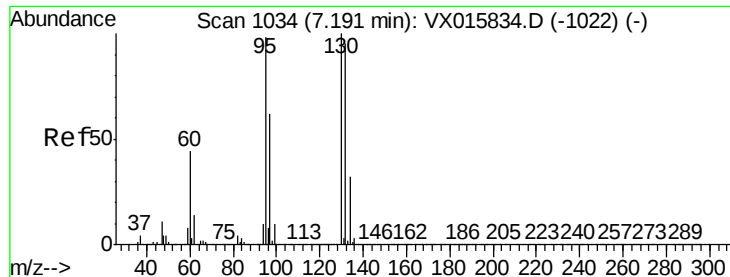
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.9	53.8#
77	1.7	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.790 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.13 min
 Lab File: VX015853.D
 Acq: 22 Apr 2020 19:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	75.7	113.5#
121	0.0	25.0	37.6#





#44

Trichloroethene

Concen: 10.262 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VX015853.D

Acq: 22 Apr 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

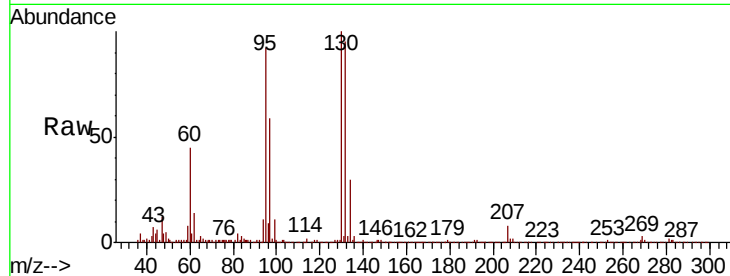
ST008RW258-200420

Tot Ion:130 Resp: 135009

Ion Ratio Lower Upper

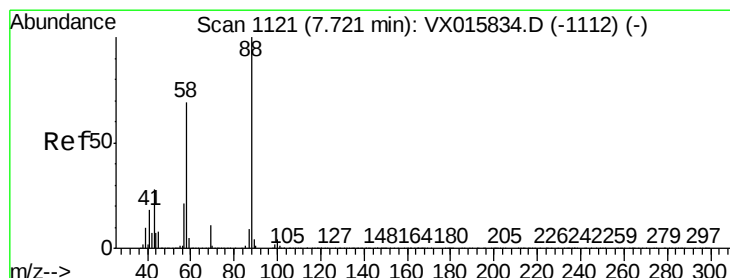
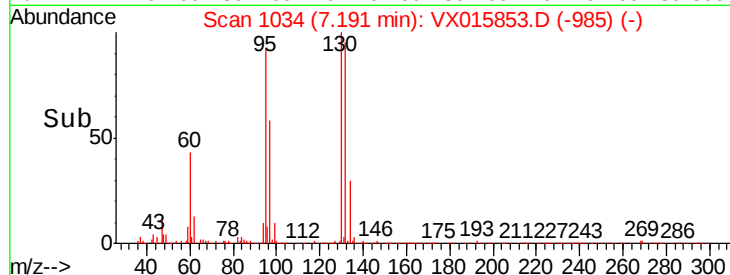
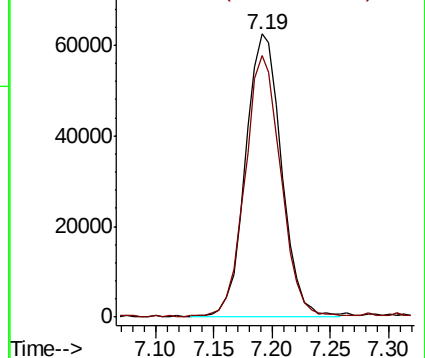
130 100

95 91.7 0.0 195.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 8.040 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VX015853.D

Acq: 22 Apr 2020 19:39

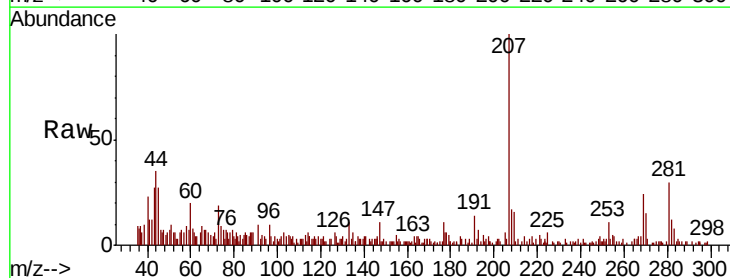
Tgt Ion: 88 Resp: 1865

Ion Ratio Lower Upper

88 100

43 37.4 28.2 42.4

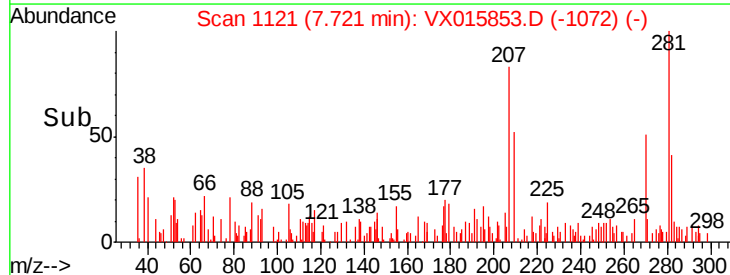
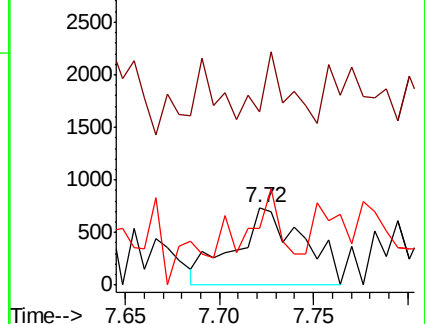
58 34.2 58.9 88.3#

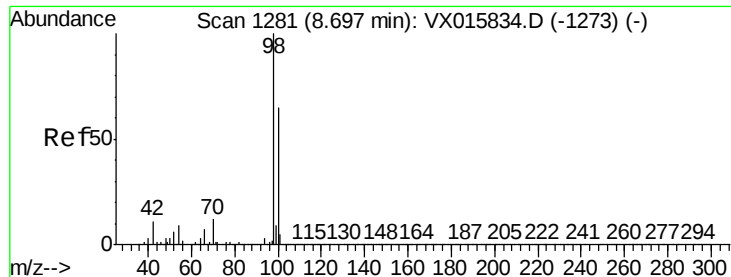


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 52.204 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015853.D

Acq: 22 Apr 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

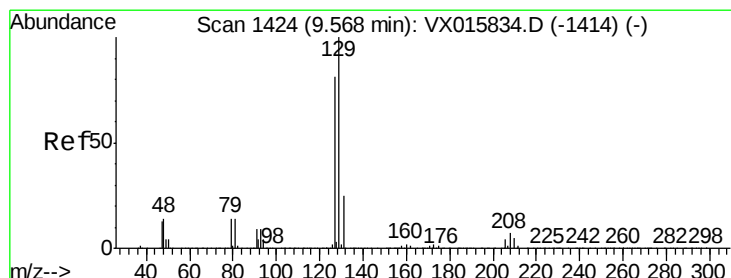
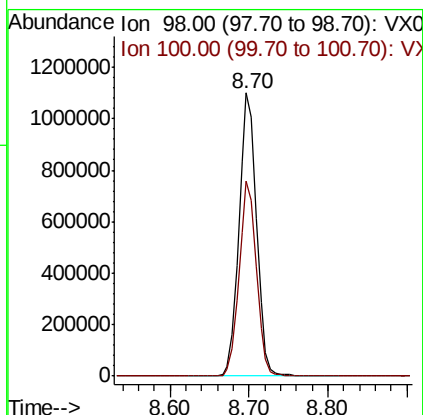
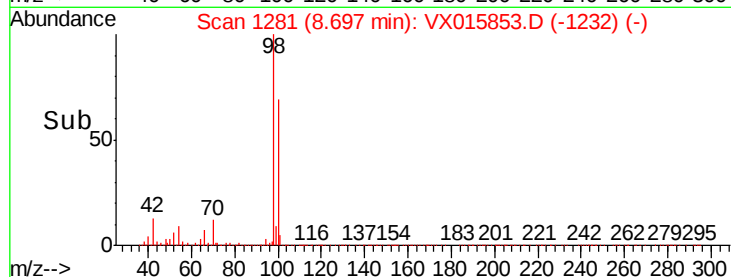
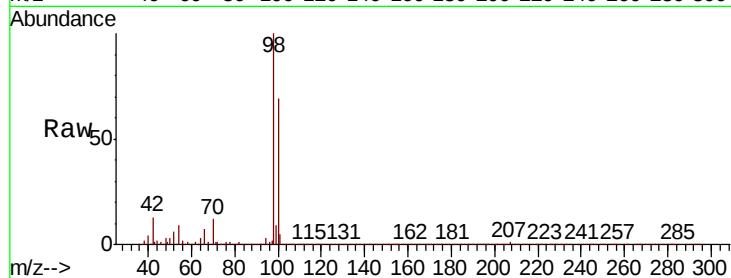
ST008RW258-200420

Tot Ion: 98 Resp: 1700834

Ion Ratio Lower Upper

98 100

100 67.7 53.8 80.6



#60

Dibromochloromethane

Concen: 36.160 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.25 min

Lab File: VX015853.D

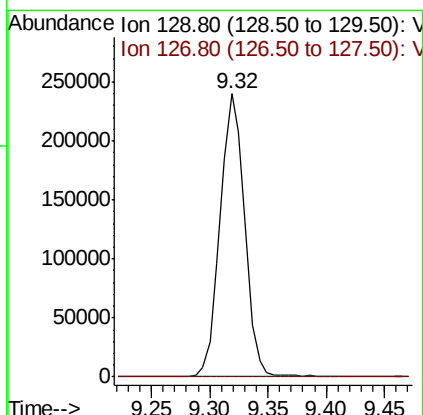
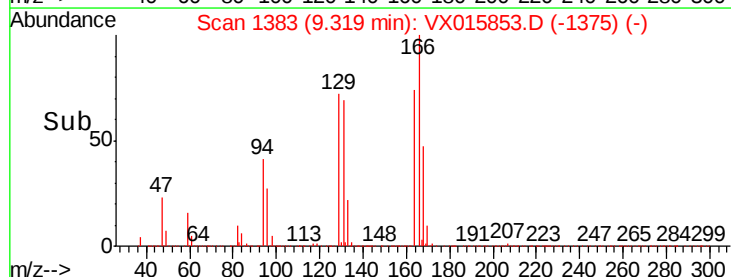
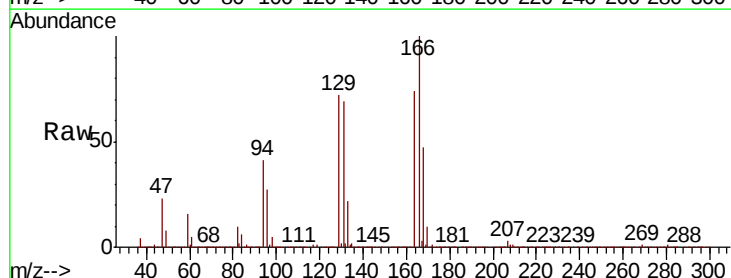
Acq: 22 Apr 2020 19:39

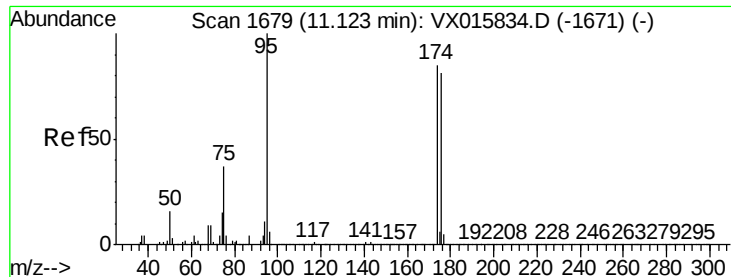
Tgt Ion: 129 Resp: 349896

Ion Ratio Lower Upper

129 100

127 0.2 40.0 120.0#

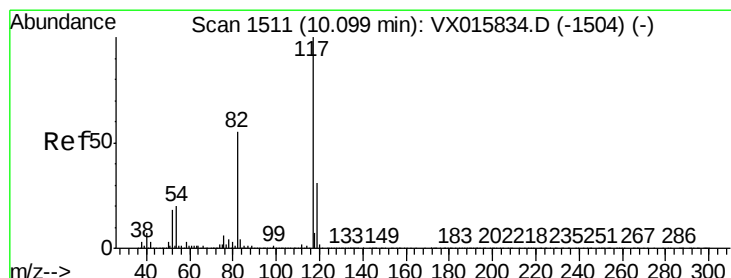
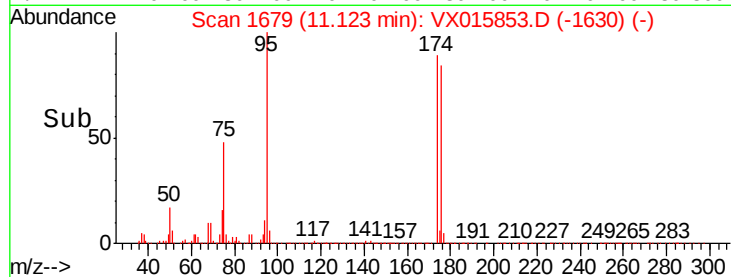
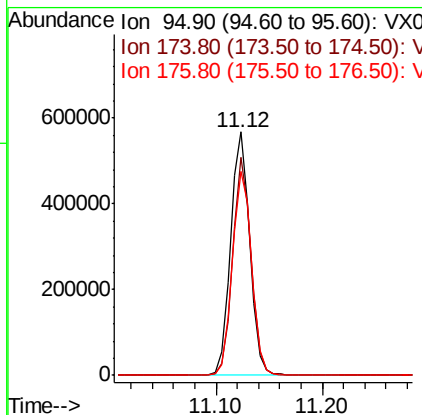
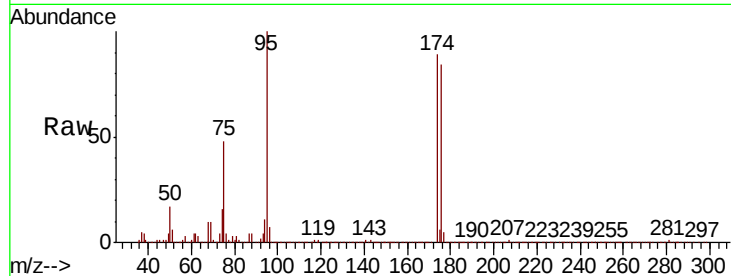




#62
4-Bromofluorobenzene
Concen: 53.473 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015853.D
Acq: 22 Apr 2020 19:39

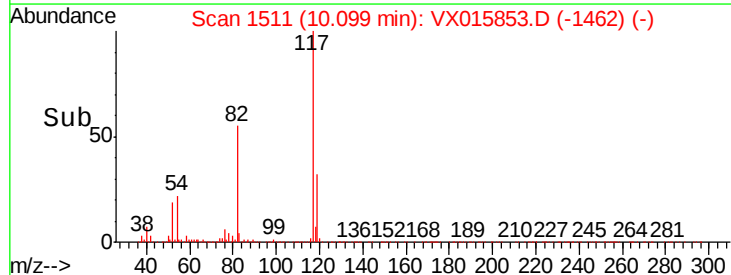
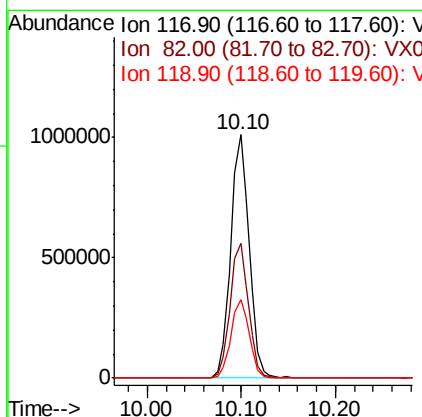
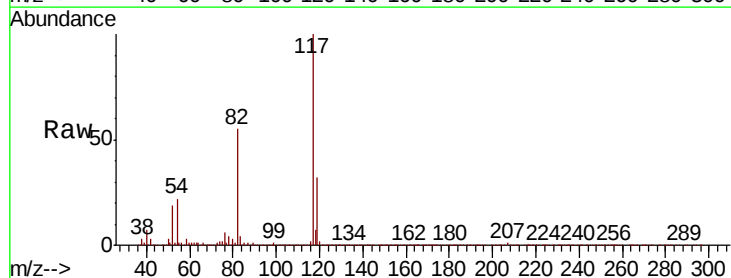
Instrument :
MSVOA_X
ClientSampleId :
ST008RW258-200420

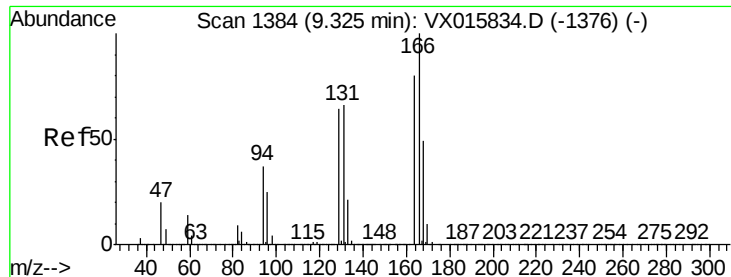
Tot Ion	Ratio	Lower	Upper
95	100		
174	86.2	0.0	172.4
176	84.6	0.0	167.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015853.D
Acq: 22 Apr 2020 19:39

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.5	43.9	65.9
119	32.0	25.1	37.7





#64

Tetrachloroethene

Concen: 20.862 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.01 min

Lab File: VX015853.D

Acq: 22 Apr 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

ST008RW258-200420

Tot Ion:164 Resp: 385934

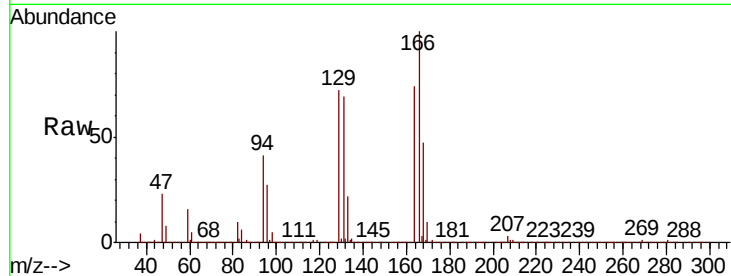
Ion Ratio Lower Upper

164 100

166 134.4 100.2 150.2

129 96.3 64.5 96.7

131 93.2 65.9 98.9

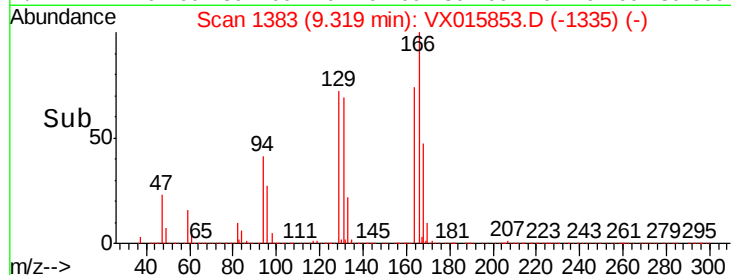


Abundance Ion 163.80 (163.50 to 164.50): V

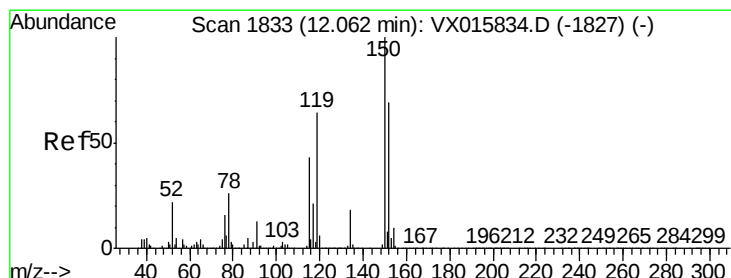
Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015853.D

Acq: 22 Apr 2020 19:39

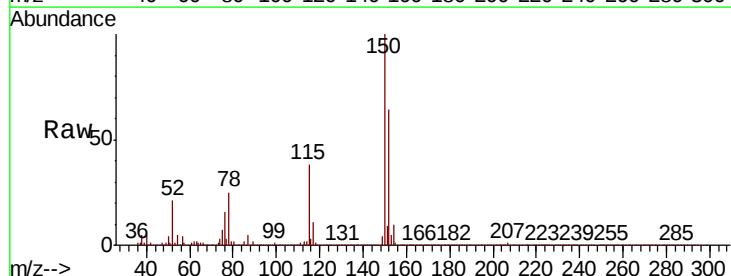
Tgt Ion:152 Resp: 758054

Ion Ratio Lower Upper

152 100

115 57.1 39.0 116.9

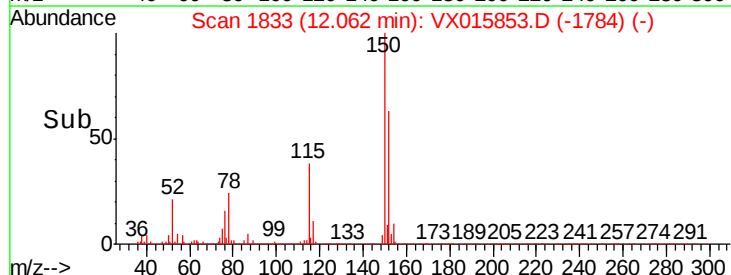
150 152.6 0.0 336.8



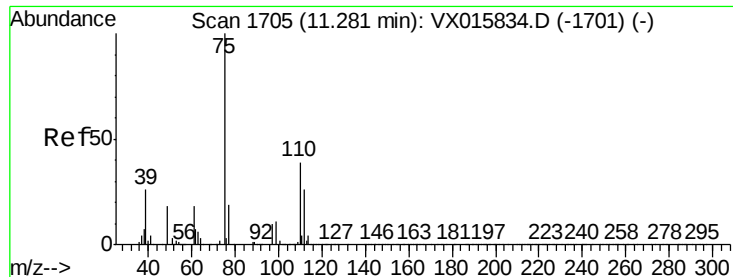
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->



#76

1,2,3-Trichloropropane

Concen: 23.846 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015853.D

Acq: 22 Apr 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

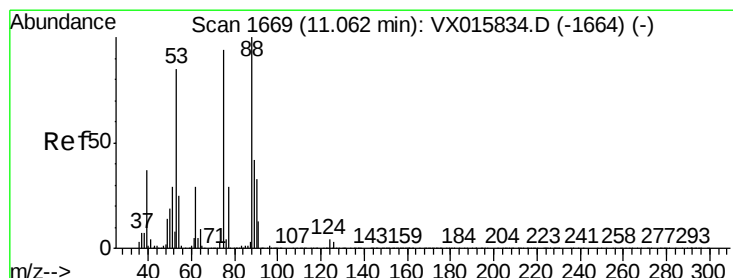
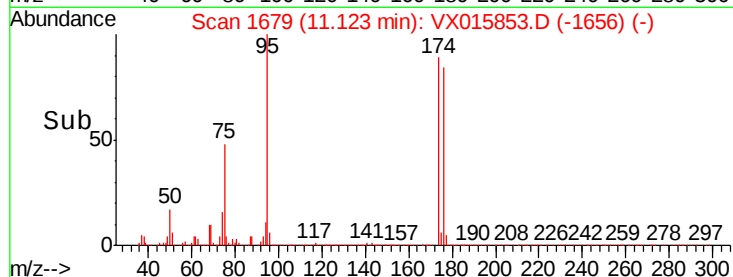
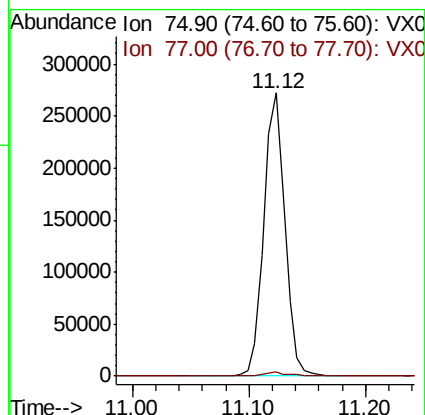
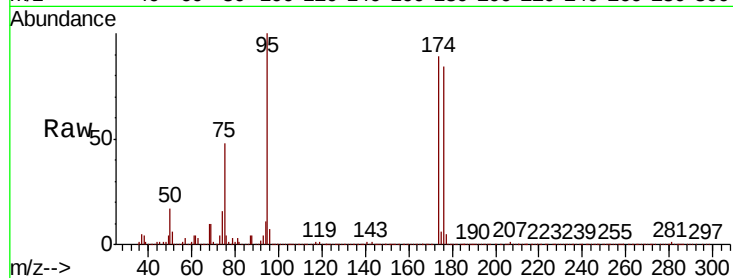
ST008RW258-200420

Tot Ion: 75 Resp: 343734

Ion Ratio Lower Upper

75 100

77 1.5 21.3 63.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.361 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015853.D

Acq: 22 Apr 2020 19:39

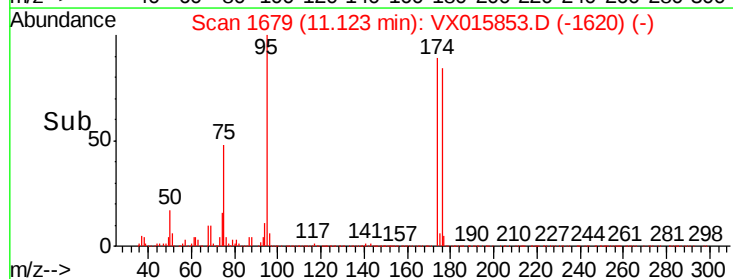
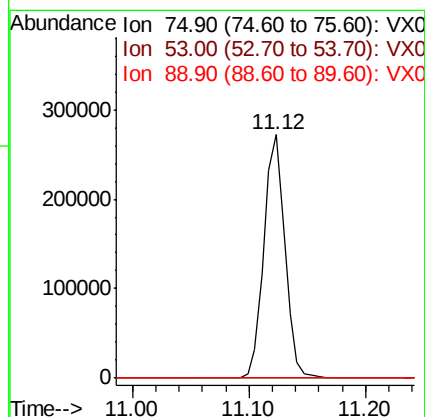
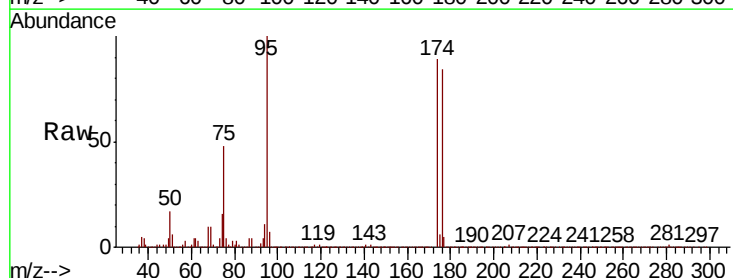
Tgt Ion: 75 Resp: 343734

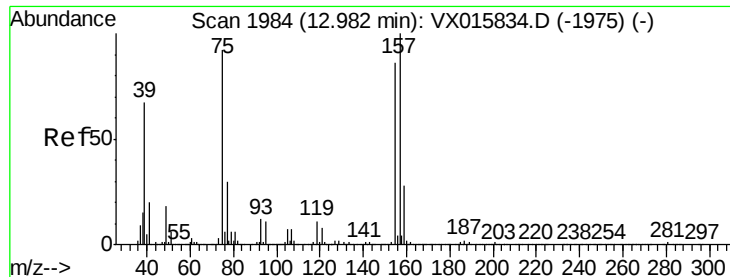
Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.2#

89 0.0 38.0 57.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.242 ug/l

RT: 13.07 min Scan# 1998

Delta R.T. 0.09 min

Lab File: VX015853.D

Acq: 22 Apr 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

ST008RW258-200420

Tot Ion: 75 Resp: 732

Ion Ratio Lower Upper

75 100

155 48.9 48.1 144.4

157 90.0 58.9 176.7

