

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042220\
 Data File : VX015854.D
 Acq On : 22 Apr 2020 20:02
 Operator : JC/SP
 Sample : L2379-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW015-200420

Quant Time: Apr 23 04:55:44 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	5.63	168	952719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1444283	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1393353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	774145	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	530656	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
35) Dibromofluoromethane	5.47	113	420455	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
50) Toluene-d8	8.70	98	1738277	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
62) 4-Bromofluorobenzene	11.12	95	718570	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	

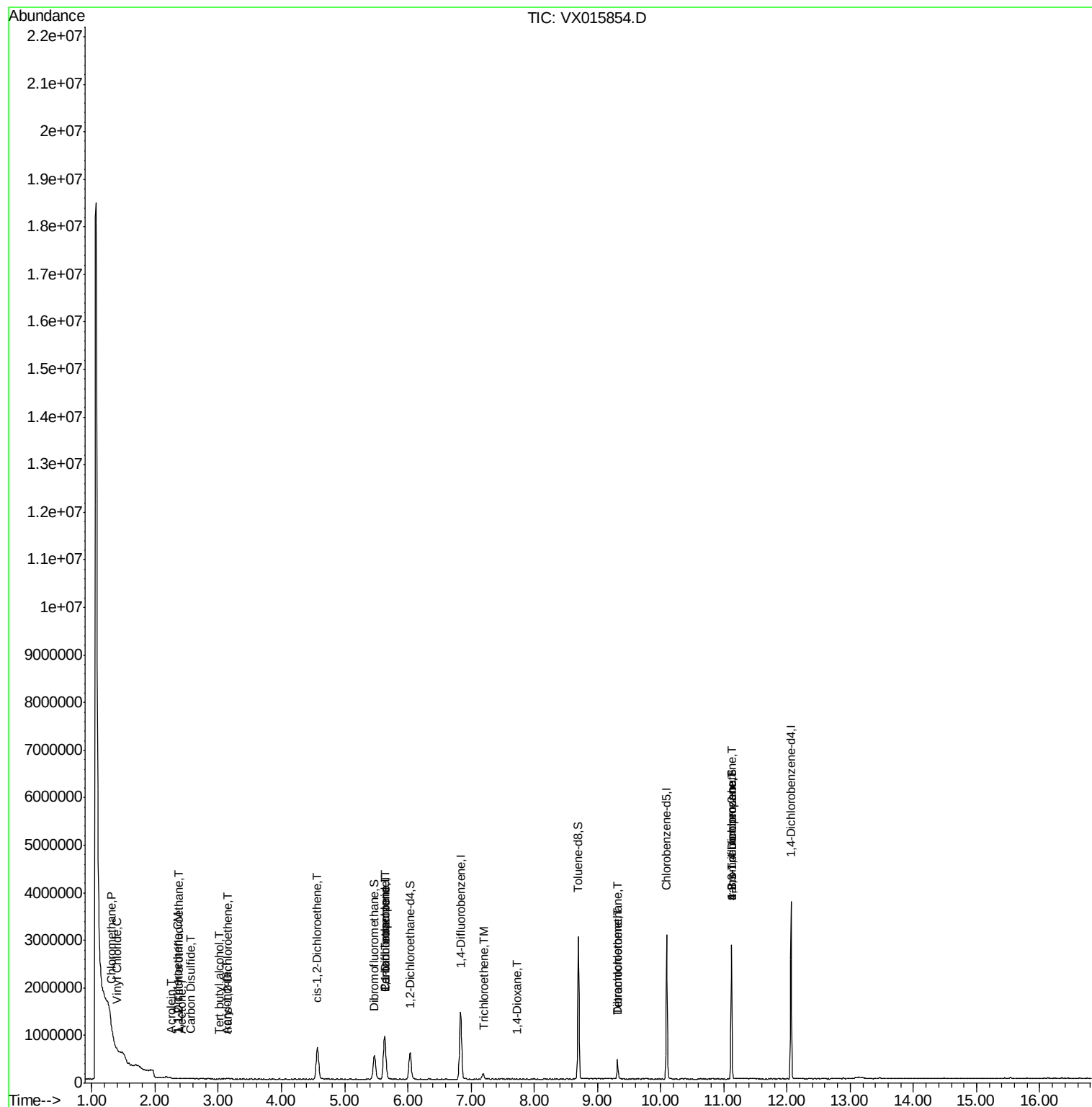
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2098	0.251	ug/l #	57
4) Vinyl Chloride	1.39	62	5609	0.580	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	5861	0.720	ug/l #	81
11) Tert butyl alcohol	3.01	59	1347	0.608	ug/l #	14
12) 1,1-Dichloroethene	2.36	96	1910	0.229	ug/l #	58
13) Acrolein	2.27	56	1545	1.179	ug/l #	15
15) Acrylonitrile	3.12	53	1147	0.223	ug/l #	37
16) Acetone	2.42	43	12857	2.725	ug/l	99
17) Carbon Disulfide	2.56	76	20851	0.688	ug/l #	93
21) trans-1,2-Dichloroethene	3.15	96	8381	0.905	ug/l #	67
27) cis-1,2-Dichloroethene	4.57	96	436084	41.488	ug/l	90
36) 1,1-Dichloropropene	5.64	75	63788	4.982	ug/l #	53
38) Carbon Tetrachloride	5.64	117	85339	6.767	ug/l #	15
44) Trichloroethene	7.20	130	45589	3.364	ug/l	92
49) 1,4-Dioxane	7.73	88	710	2.971	ug/l #	72
60) Dibromochloromethane	9.32	129	70361	7.059	ug/l #	10
64) Tetrachloroethene	9.32	164	82299	4.382	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	350127	23.784	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	350127	57.214	ug/l #	12

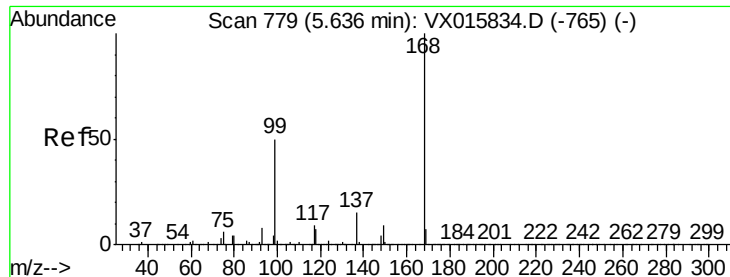
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 778

Delta R.T. -0.01 min

Lab File: VX015854.D

Acq: 22 Apr 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

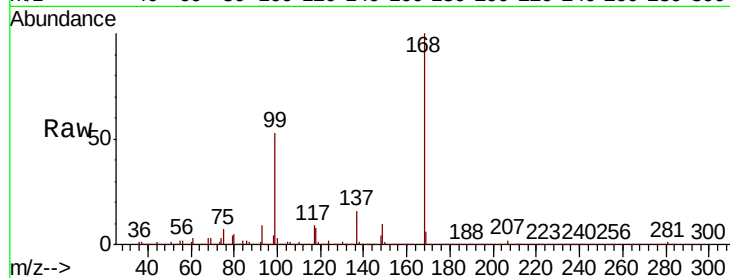
ST006MW015-200420

Tot Ion:168 Resp: 952719

Ion Ratio Lower Upper

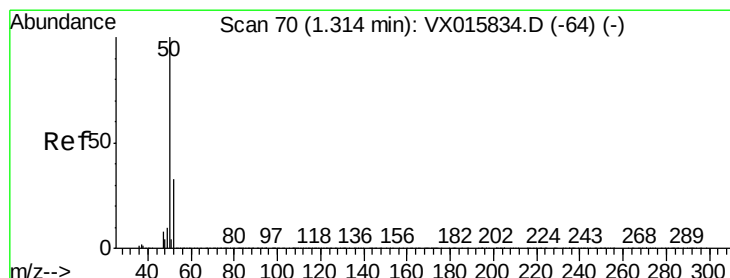
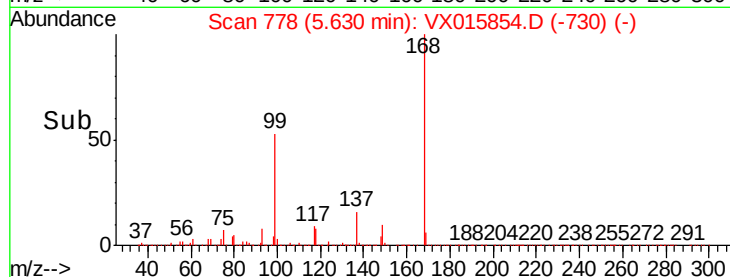
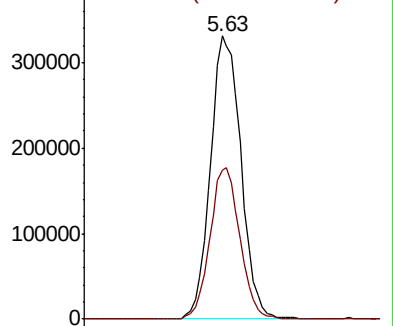
168 100

99 52.7 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.251 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX015854.D

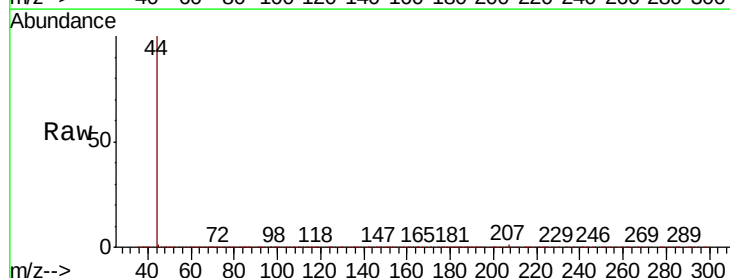
Acq: 22 Apr 2020 20:02

Tgt Ion: 50 Resp: 2098

Ion Ratio Lower Upper

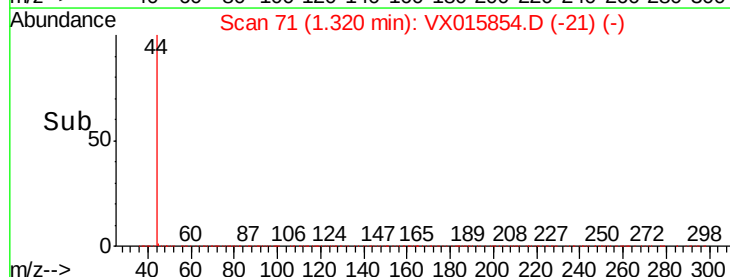
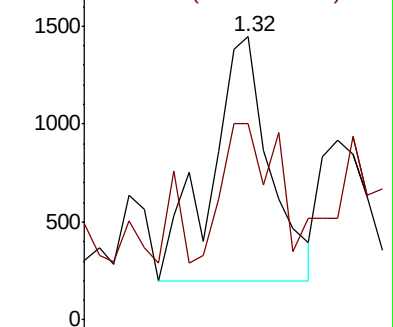
50 100

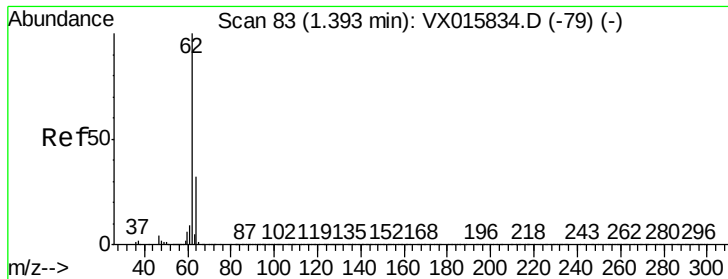
52 57.1 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.580 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015854.D

Acq: 22 Apr 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

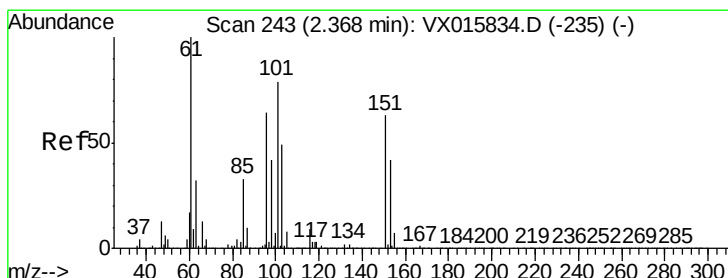
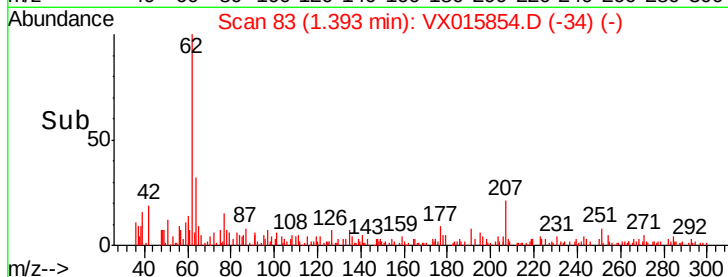
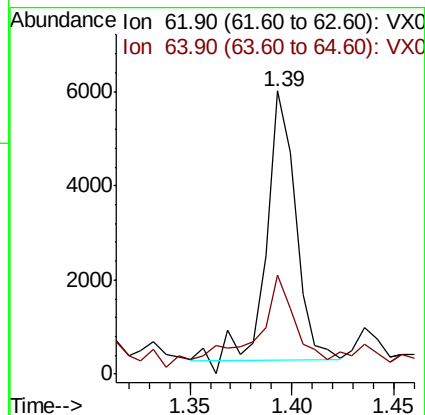
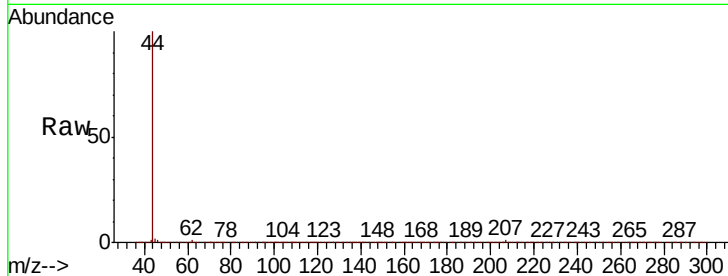
ST006MW015-200420

Tot Ion: 62 Resp: 5609

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.720 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX015854.D

Acq: 22 Apr 2020 20:02

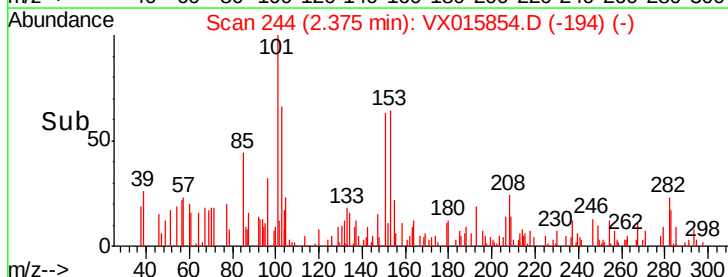
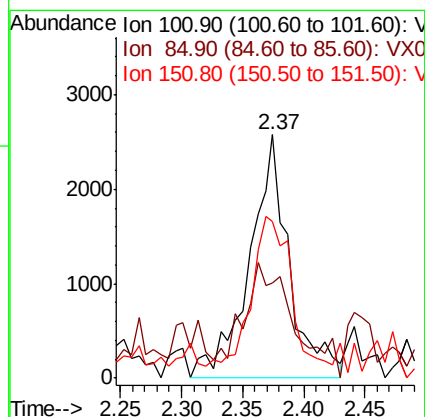
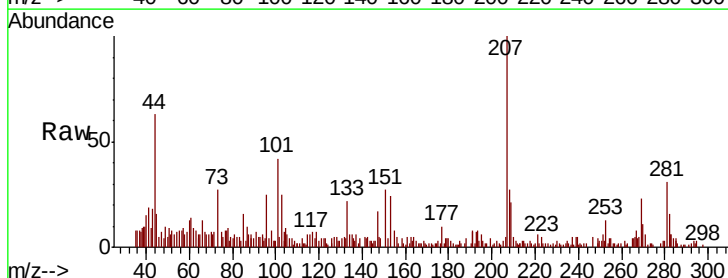
Tgt Ion: 101 Resp: 5861

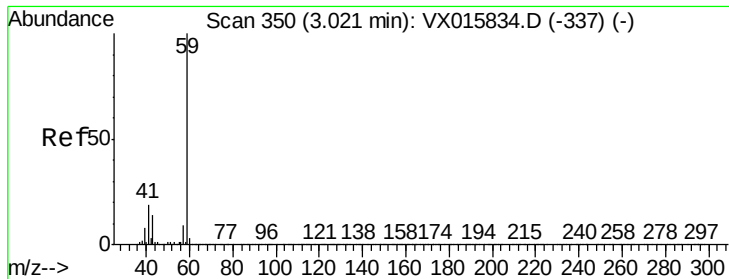
Ion Ratio Lower Upper

101 100

85 40.2 33.8 50.6

151 60.7 67.8 101.6#

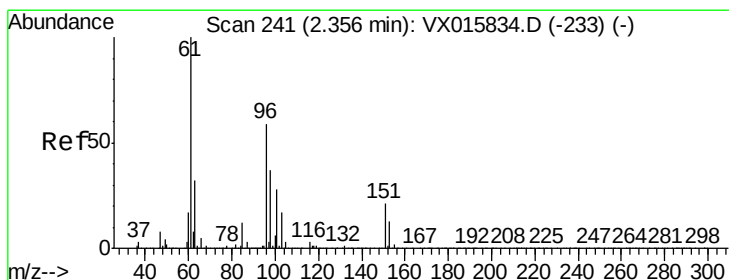
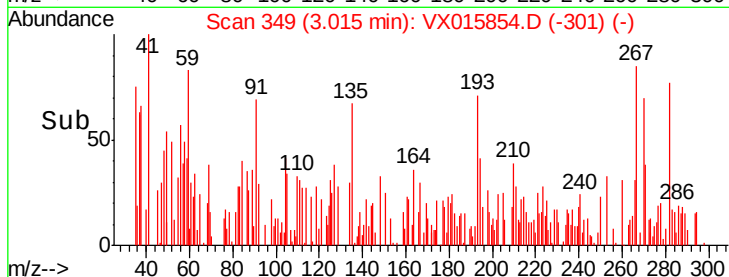
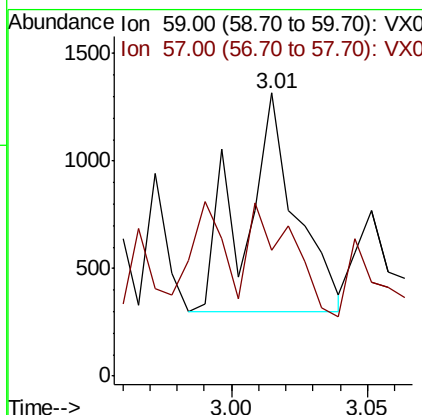
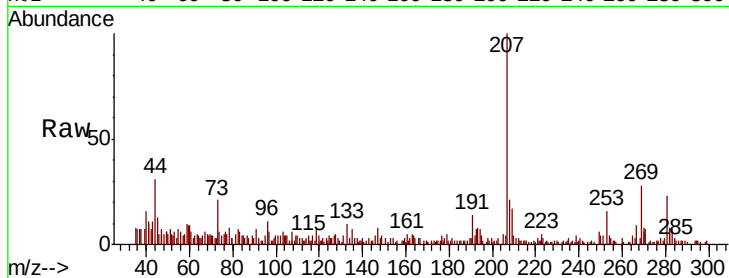




#11
Tert butyl alcohol
Concen: 0.608 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX015854.D
Acq: 22 Apr 2020 20:02

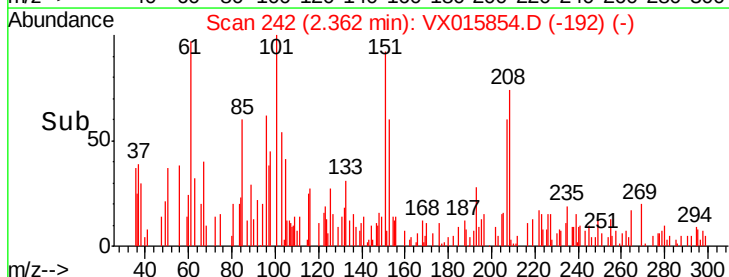
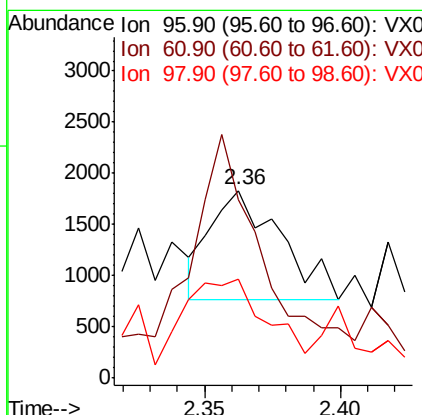
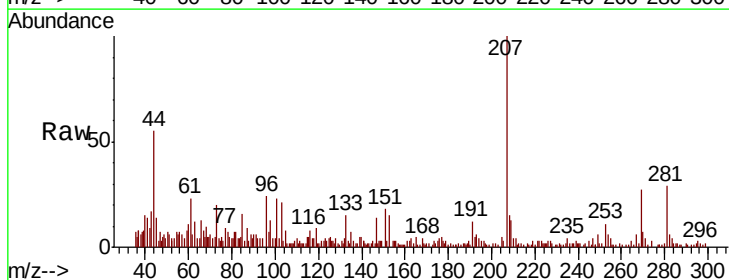
Instrument :
MSVOA_X
ClientSampleId :
ST006MW015-200420

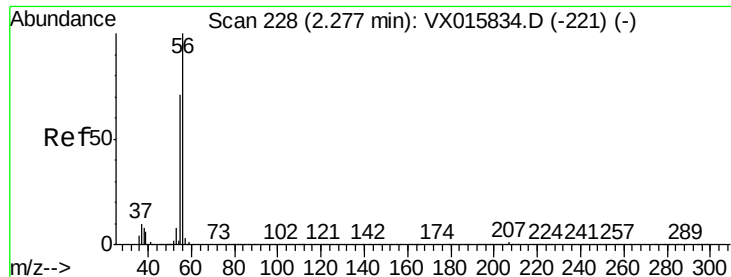
Tot Ion: 59 Resp: 1347
Ion Ratio Lower Upper
59 100
57 42.2 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 0.229 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.01 min
Lab File: VX015854.D
Acq: 22 Apr 2020 20:02

Tgt Ion: 96 Resp: 1910
Ion Ratio Lower Upper
96 100
61 116.7 135.0 202.6#
98 24.2 50.6 76.0#





#13

Acrolein

Concen: 1.179 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.01 min

Lab File: VX015854.D

Acq: 22 Apr 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

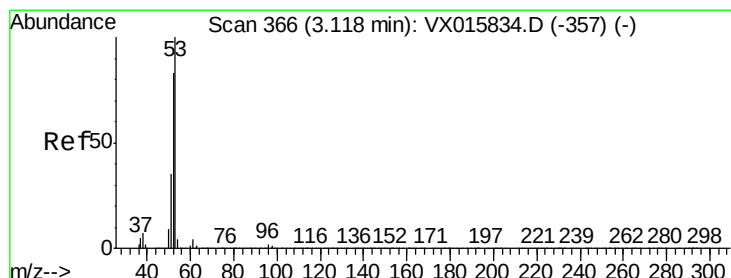
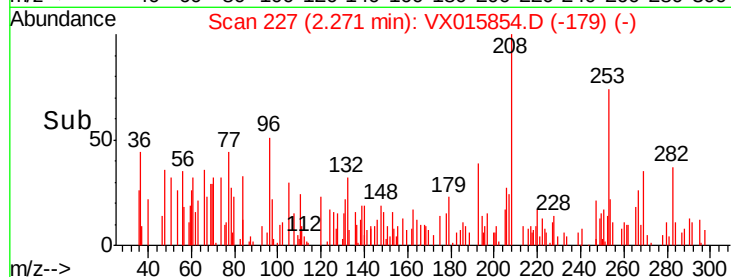
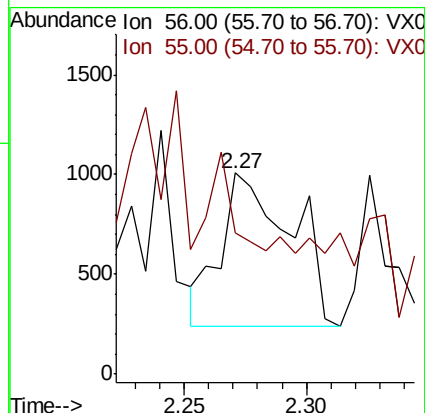
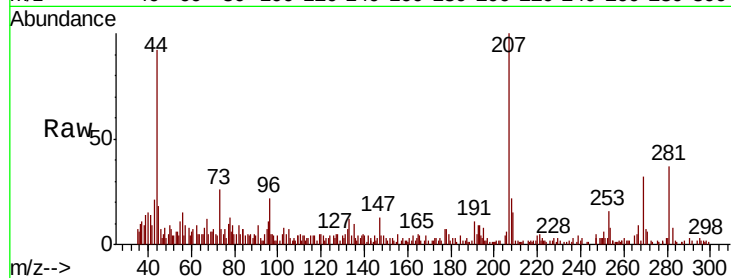
ST006MW015-200420

Tot Ion: 56 Resp: 1545

Ion Ratio Lower Upper

56 100

55 0.0 56.1 84.1#



#15

Acrylonitrile

Concen: 0.223 ug/l

RT: 3.12 min Scan# 367

Delta R.T. 0.01 min

Lab File: VX015854.D

Acq: 22 Apr 2020 20:02

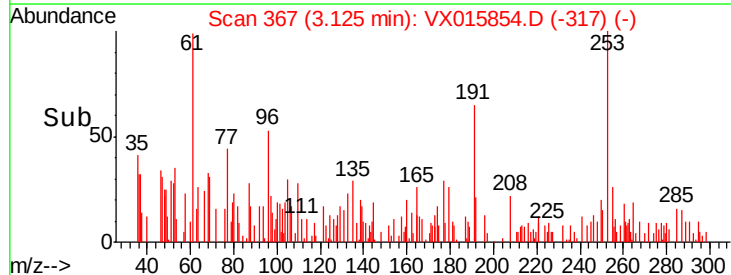
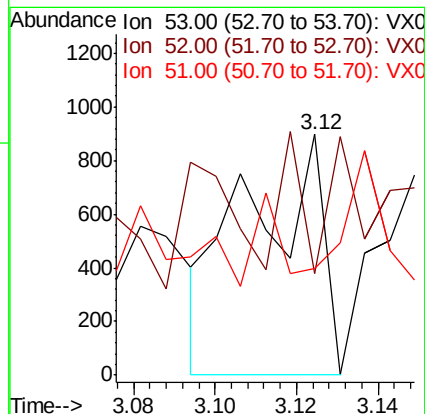
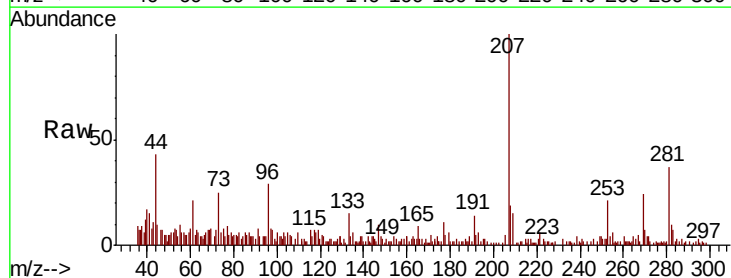
Tgt Ion: 53 Resp: 1147

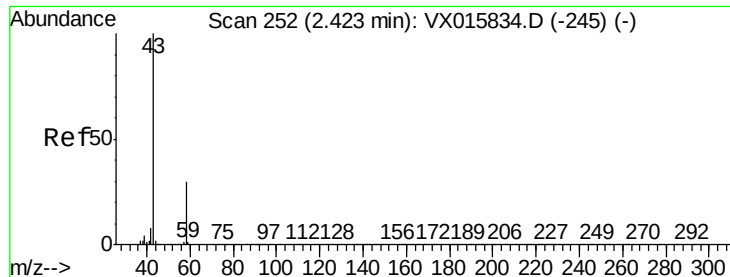
Ion Ratio Lower Upper

53 100

52 17.1 66.2 99.4#

51 12.6 28.6 43.0#





#16

Acetone

Concen: 2.725 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.00 min

Lab File: VX015854.D

Acq: 22 Apr 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

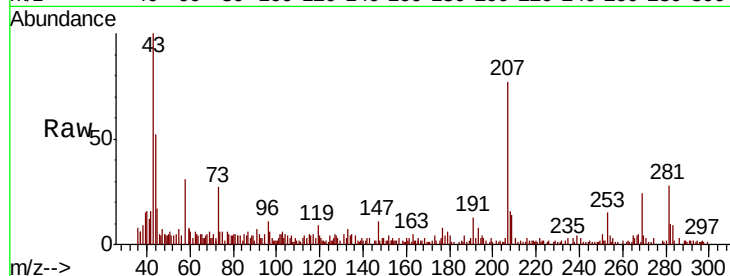
ST006MW015-200420

Tot Ion: 43 Resp: 12857

Ion Ratio Lower Upper

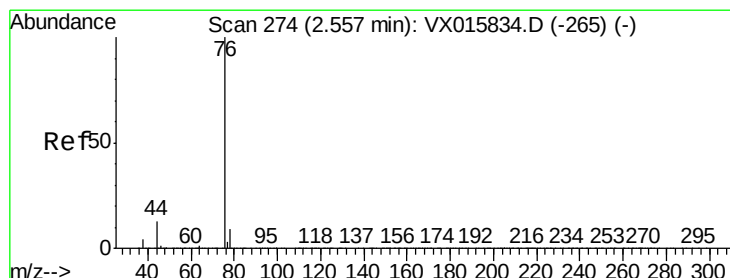
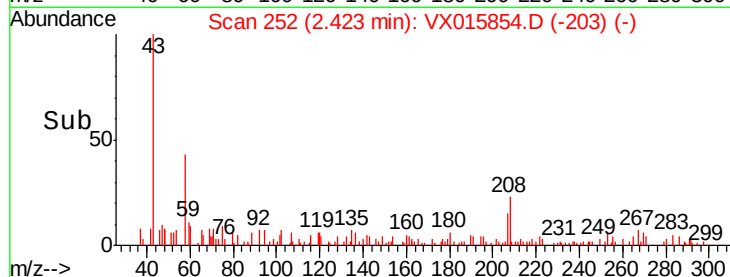
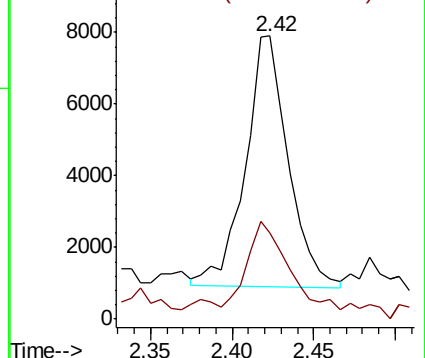
43 100

58 29.5 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.688 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX015854.D

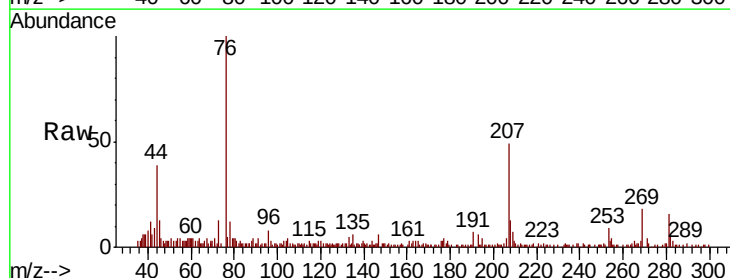
Acq: 22 Apr 2020 20:02

Tgt Ion: 76 Resp: 20851

Ion Ratio Lower Upper

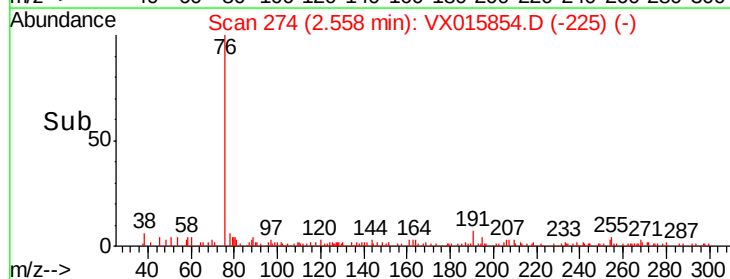
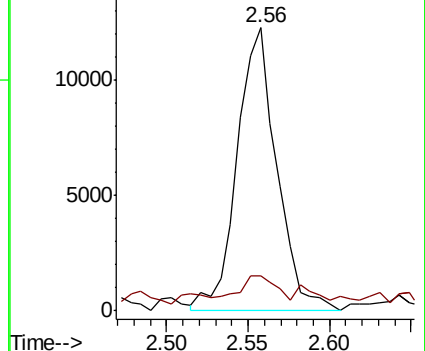
76 100

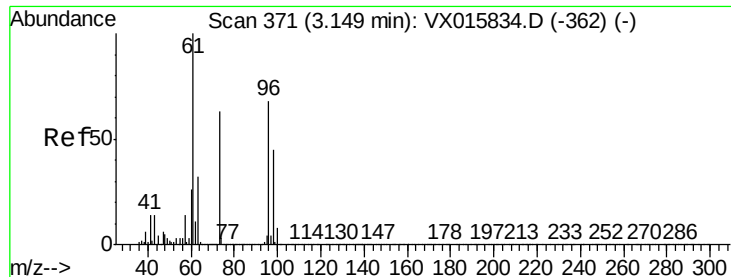
78 6.9 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.905 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX015854.D

Acq: 22 Apr 2020 20:02

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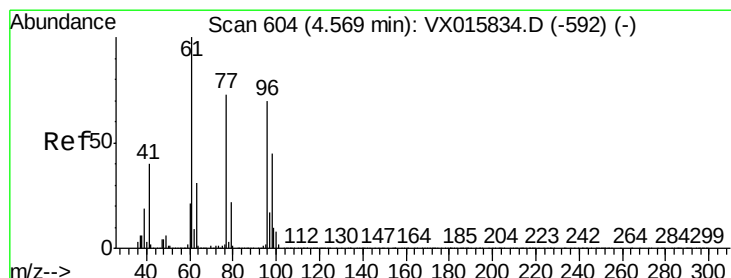
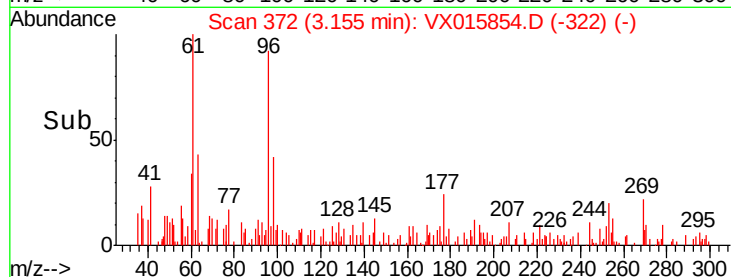
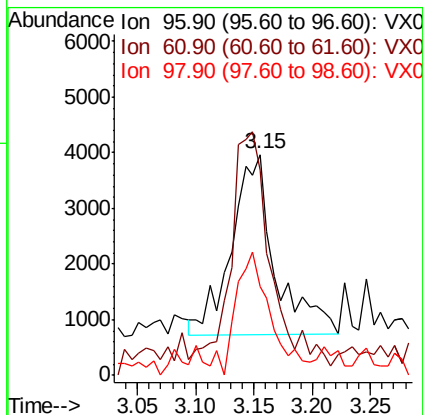
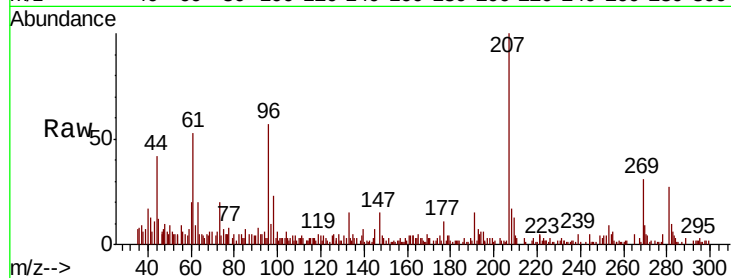
Tot Ion: 96 Resp: 8381

Ion Ratio Lower Upper

96 100

61 106.1 117.5 176.3#

98 40.1 52.7 79.1#



#27

cis-1,2-Dichloroethene

Concen: 41.488 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX015854.D

Acq: 22 Apr 2020 20:02

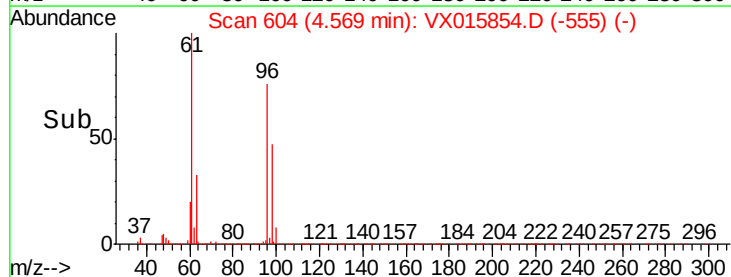
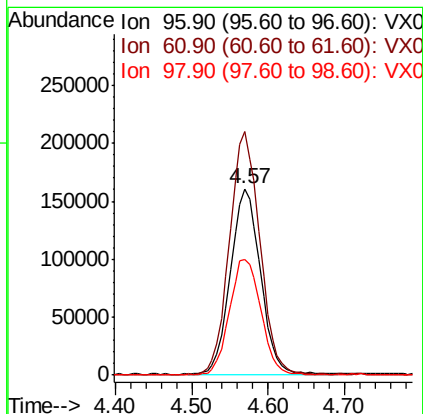
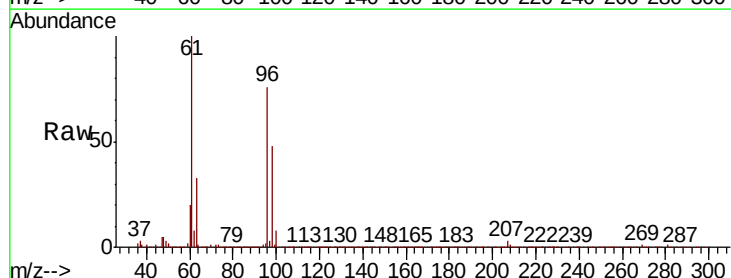
Tgt Ion: 96 Resp: 436084

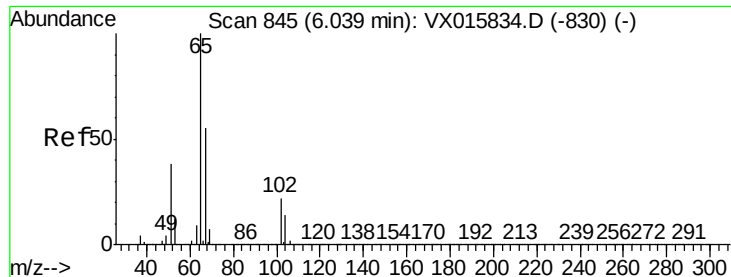
Ion Ratio Lower Upper

96 100

61 131.7 0.0 299.4

98 64.7 0.0 129.6





#33

1,2-Dichloroethane-d4

Concen: 48.972 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.00 min

Lab File: VX015854.D

Acq: 22 Apr 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

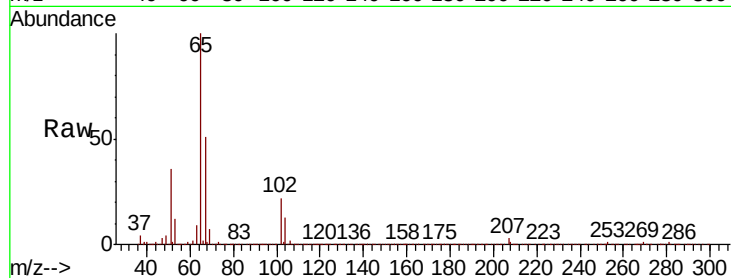
ST006MW015-200420

Tot Ion: 65 Resp: 530656

Ion Ratio Lower Upper

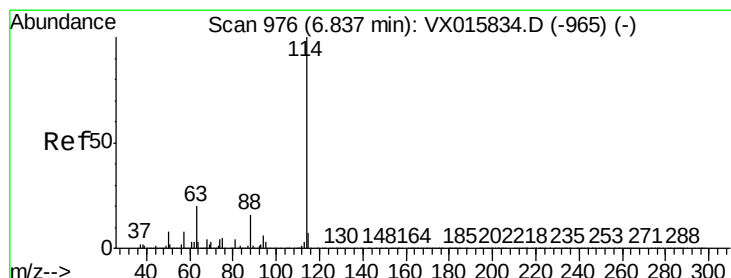
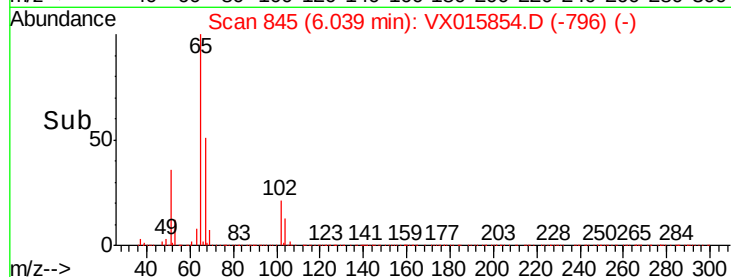
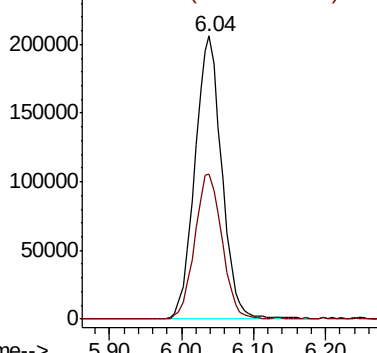
65 100

67 52.0 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015854.D

Acq: 22 Apr 2020 20:02

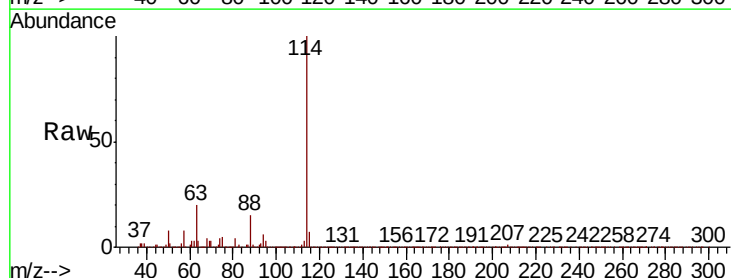
Tgt Ion: 114 Resp: 1444283

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.6

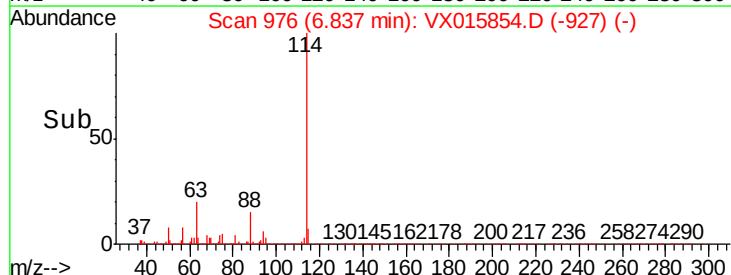
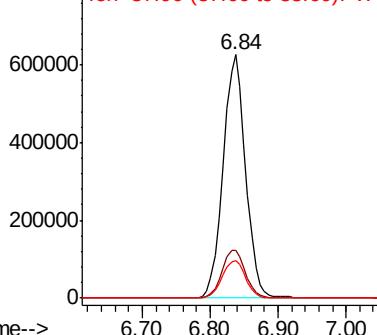
88 15.3 0.0 32.8

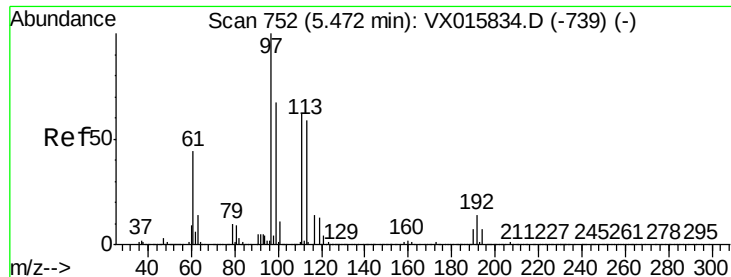


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

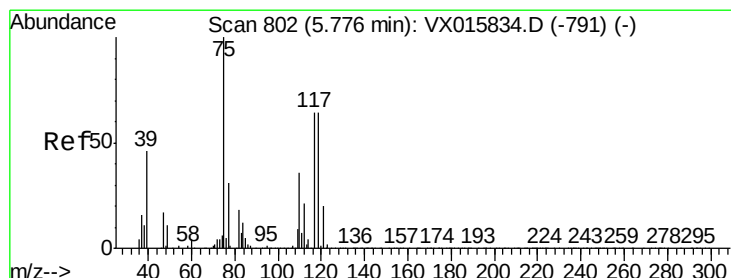
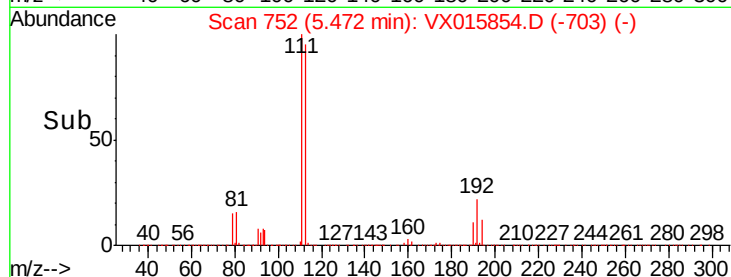
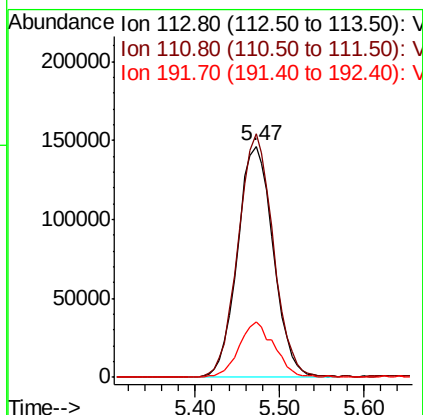
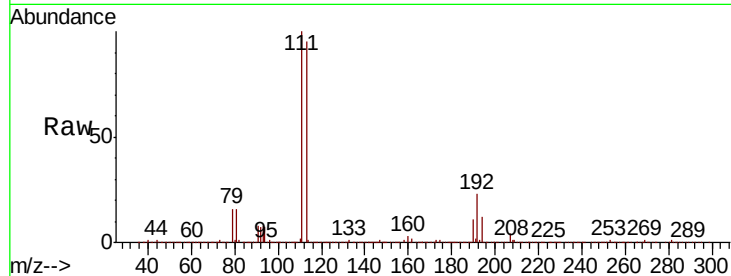




#35
 Dibromofluoromethane
 Concen: 50.434 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015854.D
 Acq: 22 Apr 2020 20:02

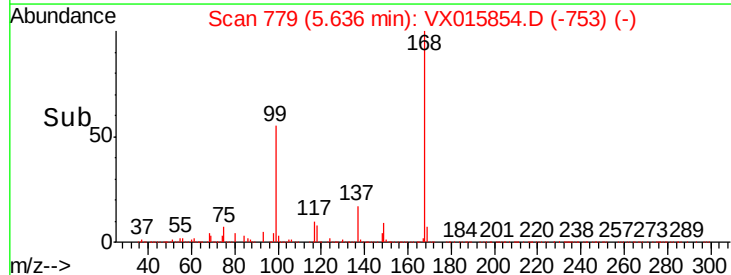
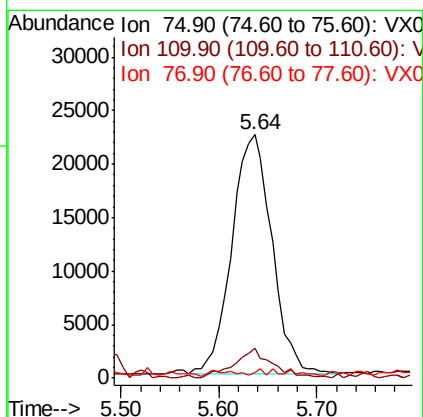
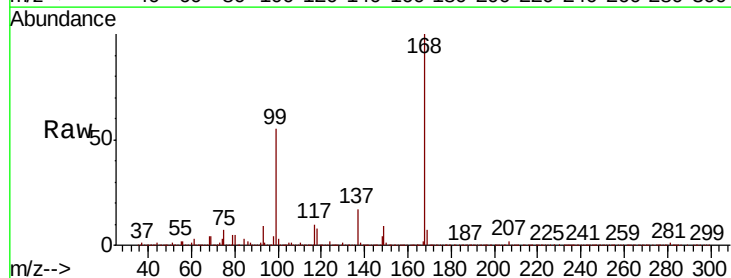
Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW015-200420

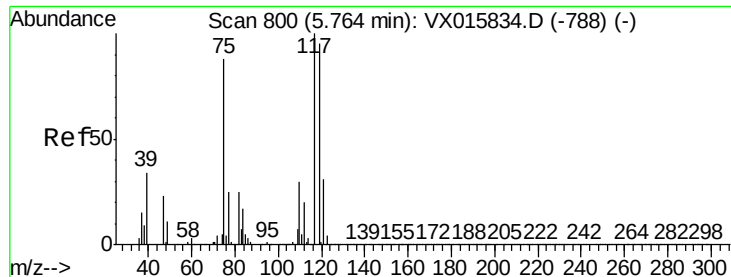
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.7	124.1
192	23.0	19.3	28.9



#36
 1,1-Dichloropropene
 Concen: 4.982 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.14 min
 Lab File: VX015854.D
 Acq: 22 Apr 2020 20:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.9	17.9	53.8#
77	0.5	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.767 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.13 min

Lab File: VX015854.D

Acq: 22 Apr 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

ST006MW015-200420

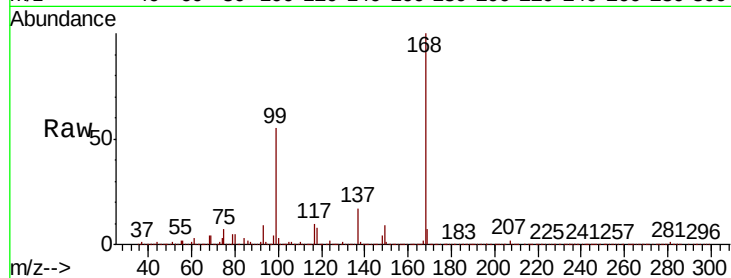
Tot Ion:117 Resp: 85339

Ion Ratio Lower Upper

117 100

119 3.7 75.7 113.5#

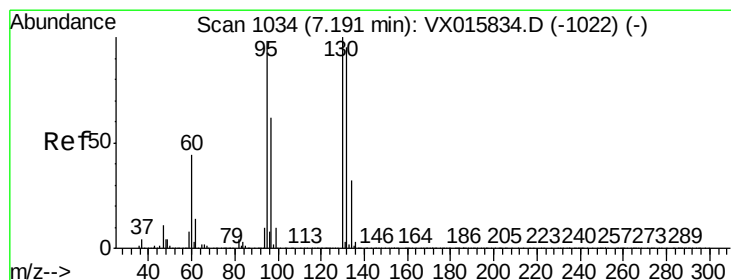
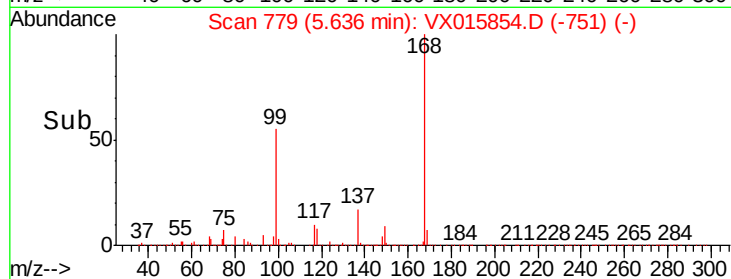
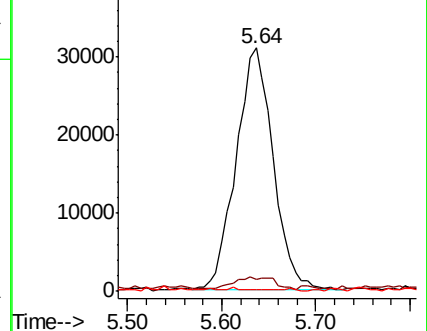
121 0.1 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 3.364 ug/l

RT: 7.20 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX015854.D

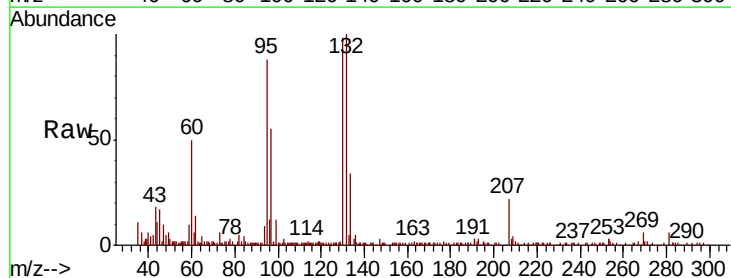
Acq: 22 Apr 2020 20:02

Tgt Ion:130 Resp: 45589

Ion Ratio Lower Upper

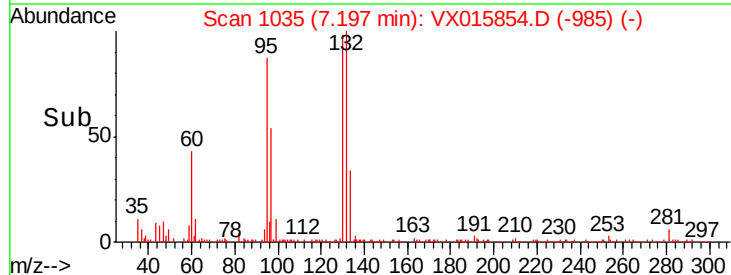
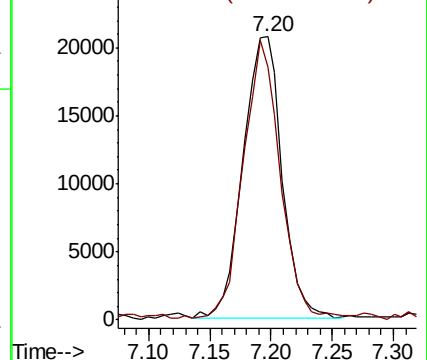
130 100

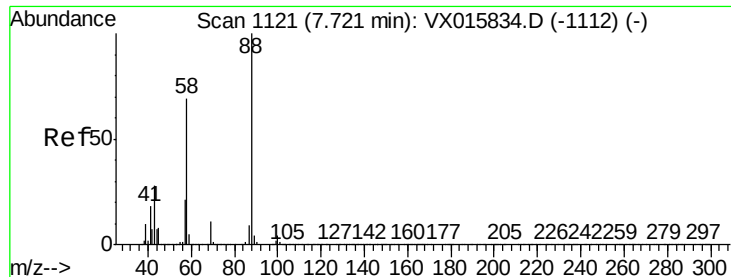
95 89.6 0.0 195.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 2.971 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VX015854.D

Acq: 22 Apr 2020 20:02

Instrument :

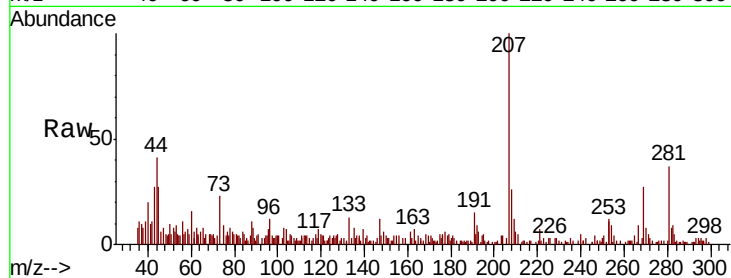
MSVOA_X

ClientSampleId :

ST006MW015-200420

Tot Ion: 88 Resp: 710

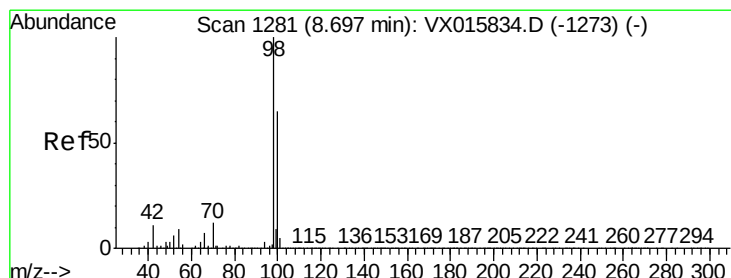
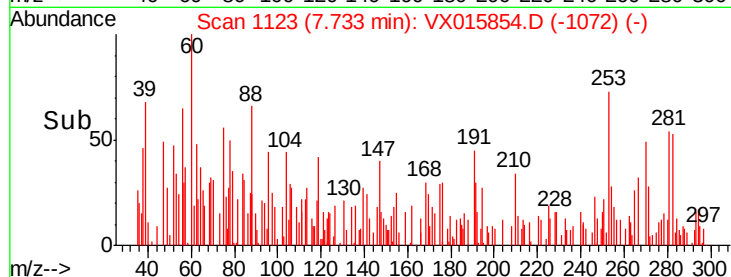
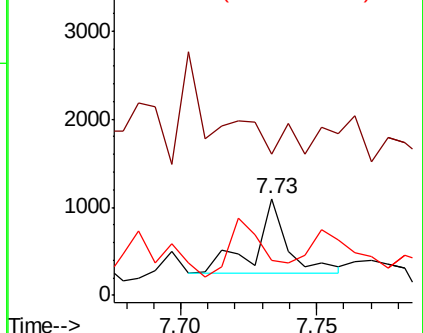
Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.2	42.4#
58	83.7	58.9	88.3



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: 51.795 ug/l

RT: 8.70 min Scan# 1281

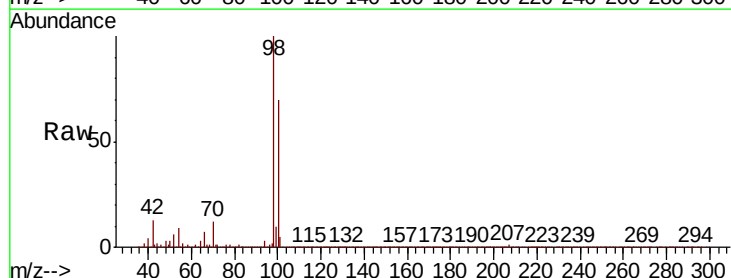
Delta R.T. 0.00 min

Lab File: VX015854.D

Acq: 22 Apr 2020 20:02

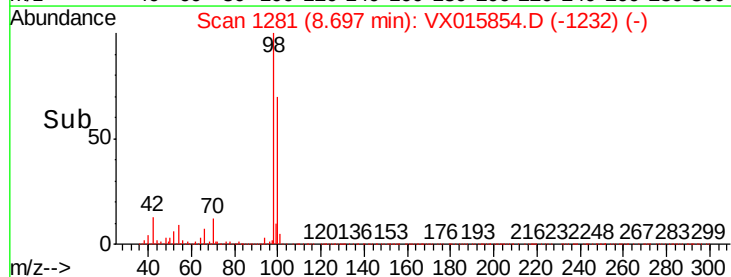
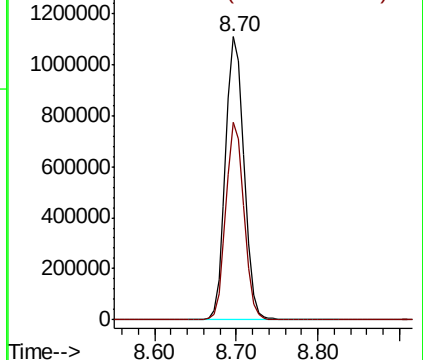
Tgt Ion: 98 Resp: 1738277

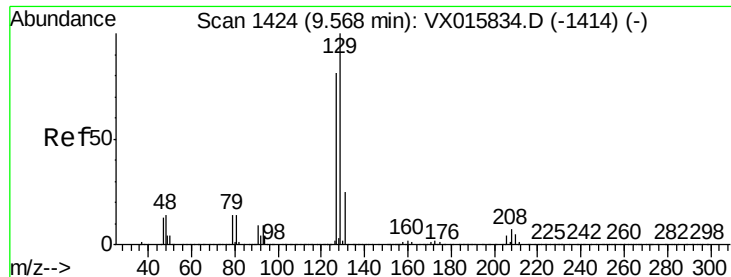
Ion	Ratio	Lower	Upper
98	100		
100	68.1	53.8	80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#60

Dibromochloromethane

Concen: 7.059 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.25 min

Lab File: VX015854.D

Acq: 22 Apr 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

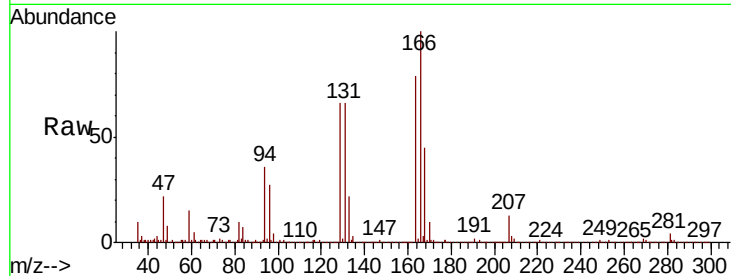
ST006MW015-200420

Tot Ion:129 Resp: 70361

Ion Ratio Lower Upper

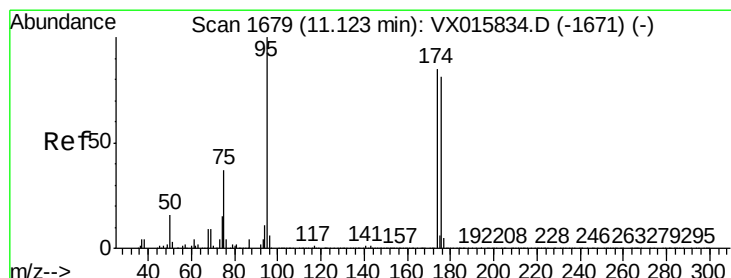
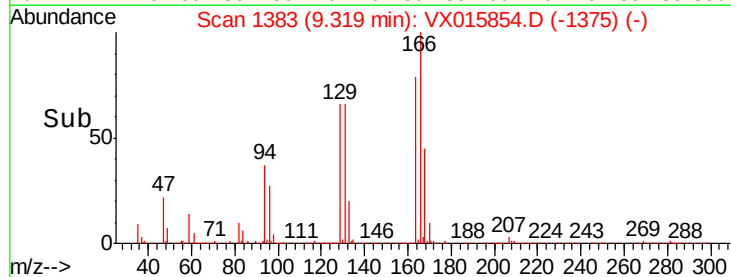
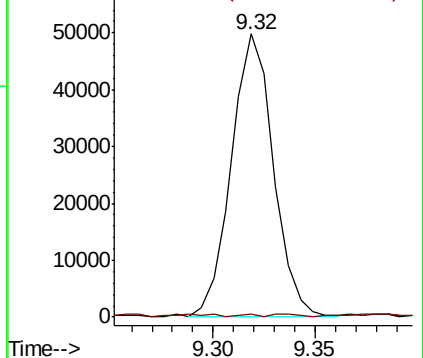
129 100

127 0.3 40.0 120.0#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 52.193 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015854.D

Acq: 22 Apr 2020 20:02

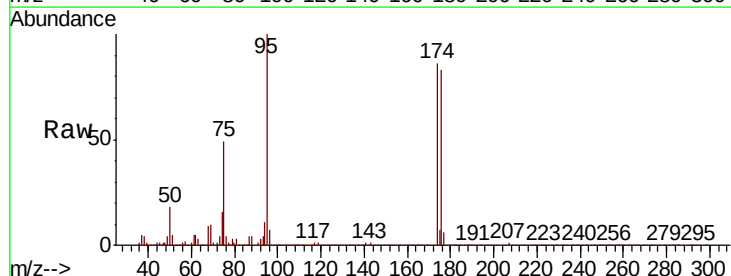
Tgt Ion: 95 Resp: 718570

Ion Ratio Lower Upper

95 100

174 83.3 0.0 172.4

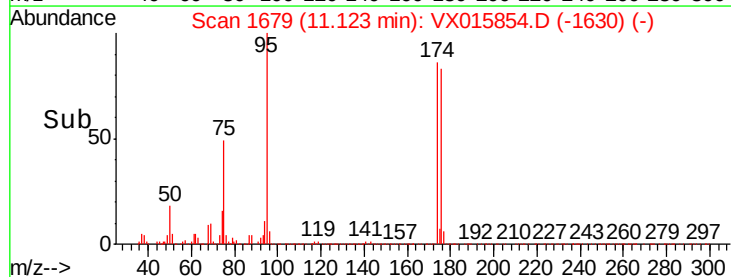
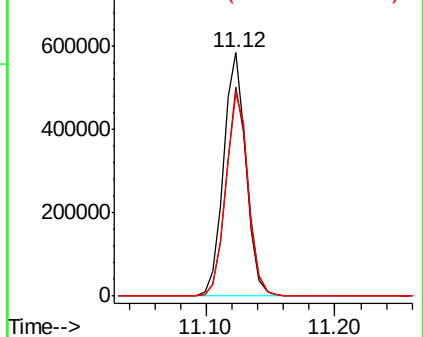
176 82.7 0.0 167.0

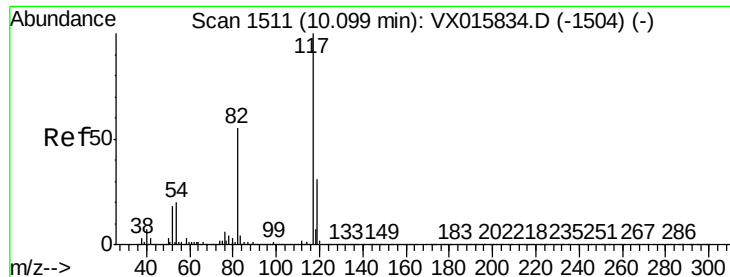


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

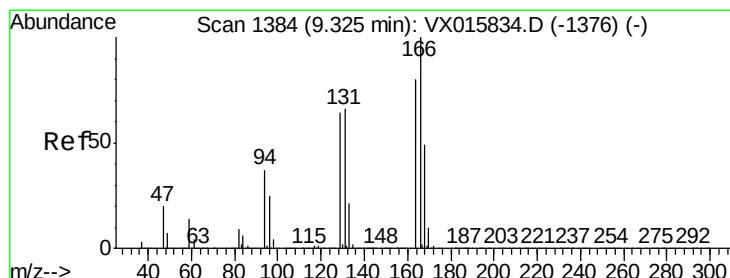
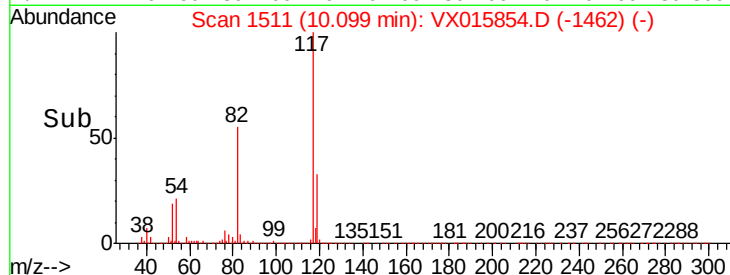
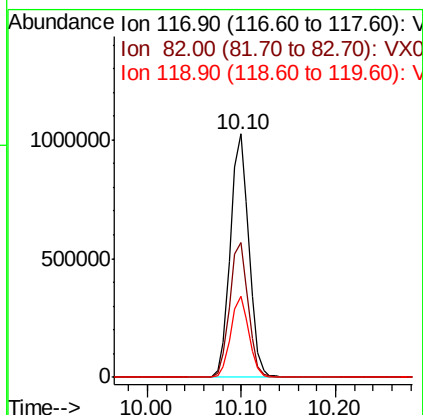
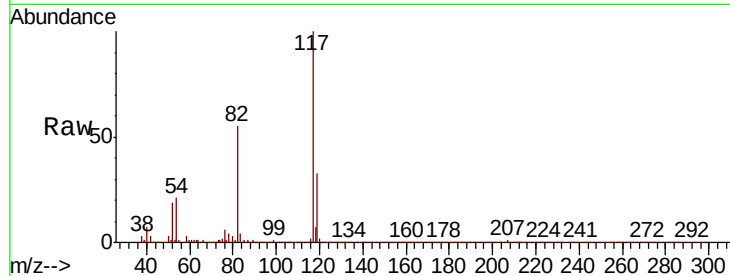




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015854.D
Acq: 22 Apr 2020 20:02

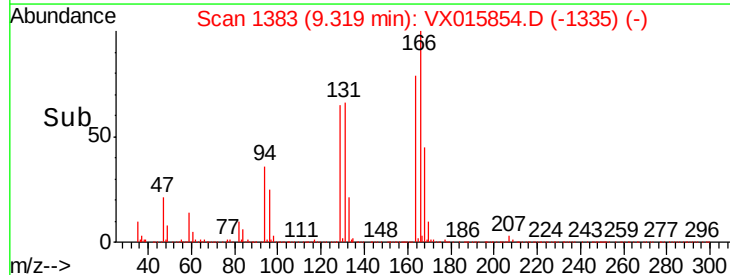
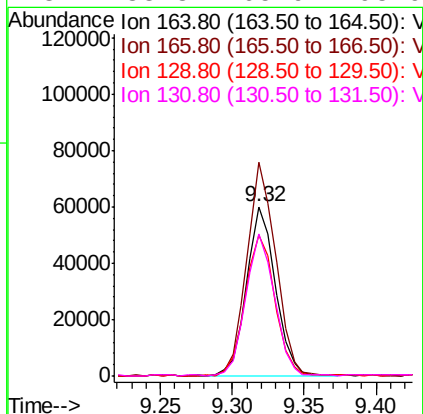
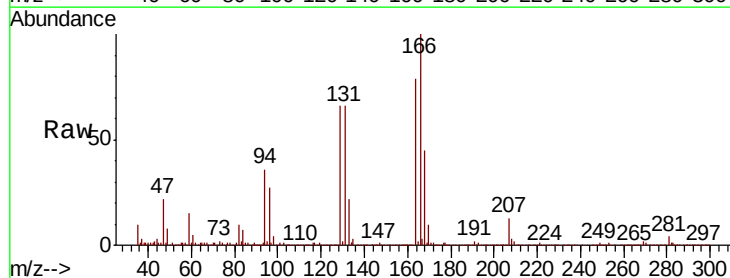
Instrument :
MSVOA_X
ClientSampleId :
ST006MW015-200420

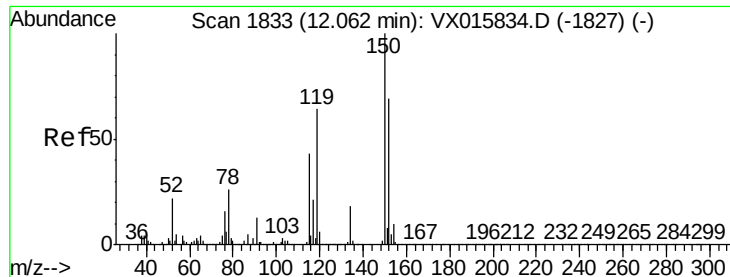
Tot Ion:117 Resp: 1393353
Ion Ratio Lower Upper
117 100
82 55.1 43.9 65.9
119 33.4 25.1 37.7



#64
Tetrachloroethene
Concen: 4.382 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.01 min
Lab File: VX015854.D
Acq: 22 Apr 2020 20:02

Tgt Ion:164 Resp: 82299
Ion Ratio Lower Upper
164 100
166 126.3 100.2 150.2
129 83.1 64.5 96.7
131 83.8 65.9 98.9

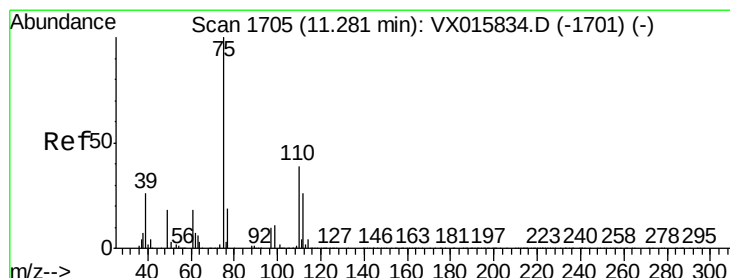
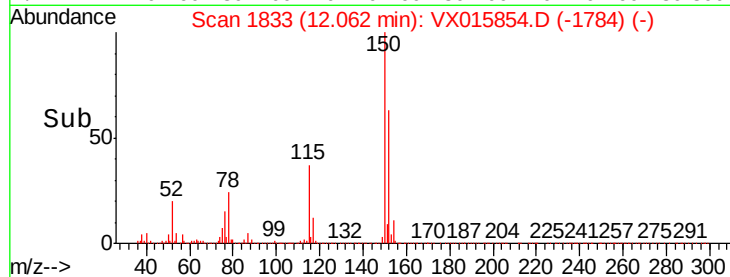
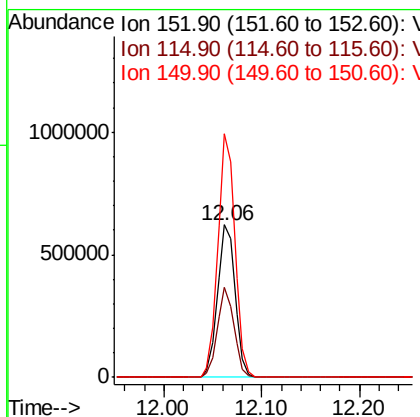
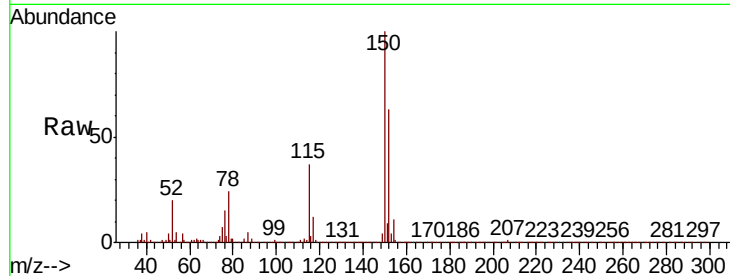




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX015854.D
 Acq: 22 Apr 2020 20:02

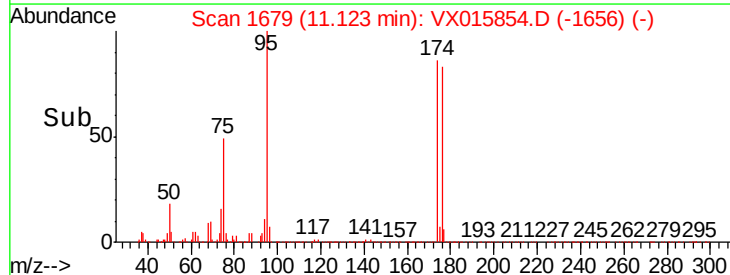
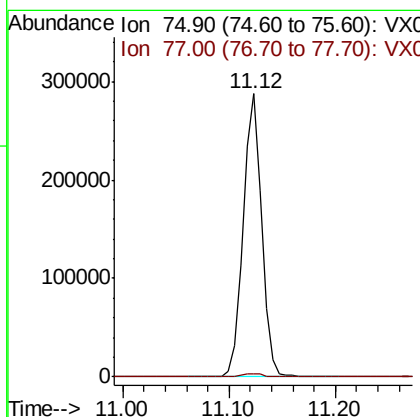
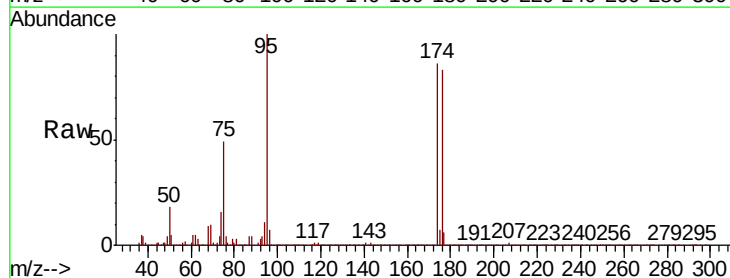
Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW015-200420

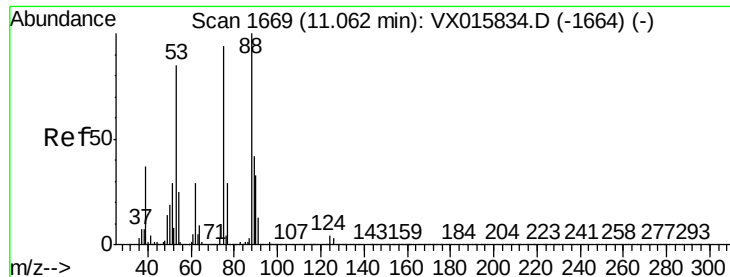
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.9	39.0	116.9
150	155.6	0.0	336.8



#76
 1,2,3-Trichloropropane
 Concen: 23.784 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015854.D
 Acq: 22 Apr 2020 20:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	21.3	63.9#





#81

trans-1,4-Dichloro-2-butene

Concen: 57.214 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015854.D

Acq: 22 Apr 2020 20:02

Instrument :

MSVOA_X

ClientSampleId :

ST006MW015-200420

Tot Ion: 75 Resp: 350127

Ion Ratio Lower Upper

75 100

53 0.2 74.2 111.2#

89 0.0 38.0 57.0#

