

Data File : VX015193.D
Acq On : 11 Mar 2020 12:23
Operator : JC/SP
Sample : L1852-25
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TP-2

Quant Time: Mar 12 05:45:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	320738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	537456	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	514951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	263717	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	206888	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	
35) Dibromofluoromethane	5.49	113	170752	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
50) Toluene-d8	8.71	98	659407	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.13	95	238791	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	

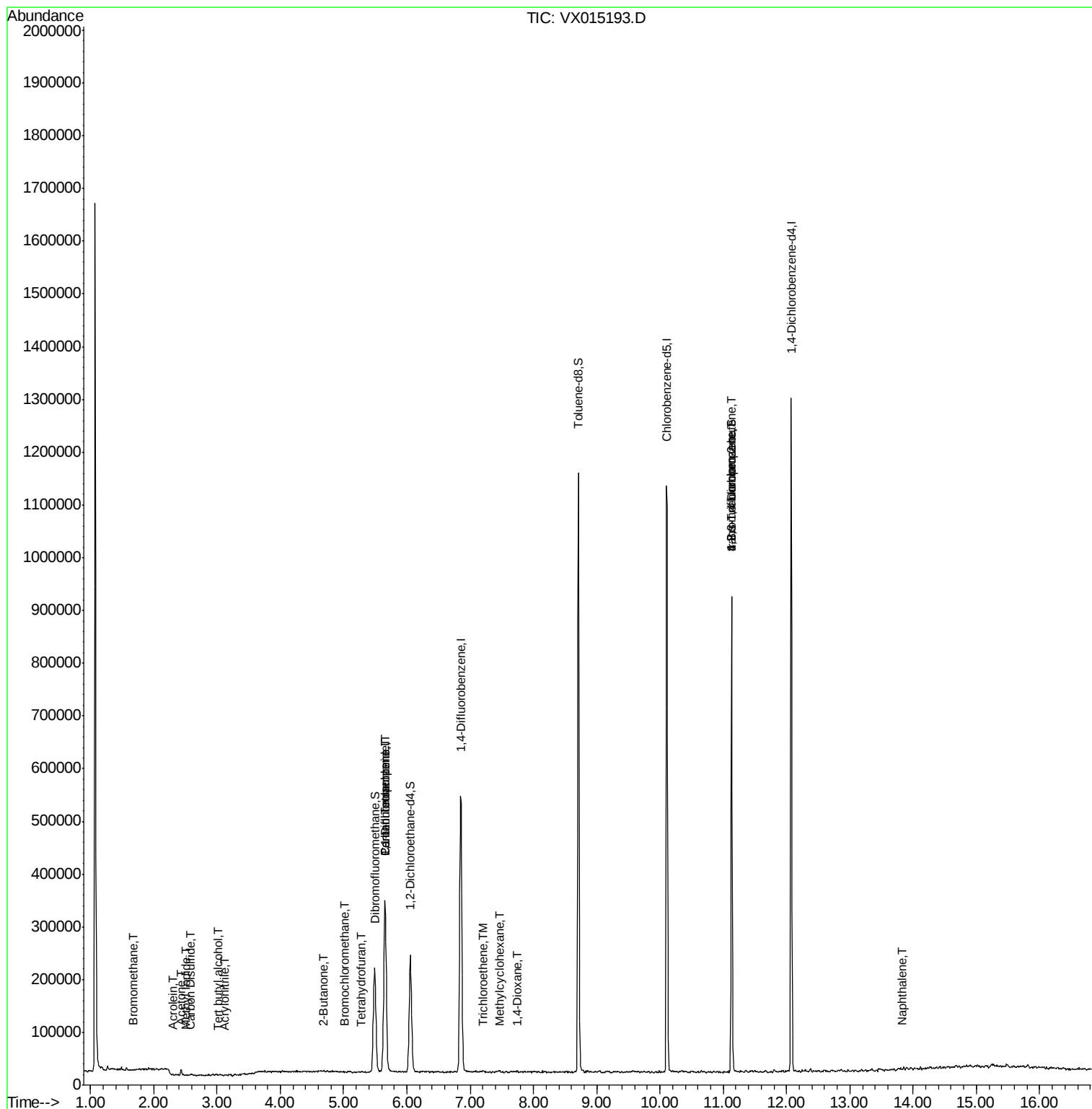
Target Compounds				Qvalue		
5) Bromomethane	1.67	94	1075	0.433	ug/l #	76
10) Methyl Iodide	2.51	142	1268	0.372	ug/l #	70
11) Tert butyl alcohol	3.02	59	250	0.379	ug/l #	1
13) Acrolein	2.29	56	127	0.205	ug/l #	15
15) Acrylonitrile	3.12	53	614	0.373	ug/l #	34
16) Acetone	2.43	43	11565	7.505	ug/l	93
17) Carbon Disulfide	2.57	76	2024	0.234	ug/l	99
25) 2-Butanone	4.69	43	3197	1.417	ug/l #	84
28) Bromochloromethane	5.02	49	841	0.307	ug/l #	10
29) Tetrahydrofuran	5.28	42	371	0.255	ug/l	95
36) 1,1-Dichloropropene	5.65	75	22315	4.491	ug/l #	52
38) Carbon Tetrachloride	5.65	117	29688	6.330	ug/l #	16
39) Methylcyclohexane	7.47	83	1588	0.274	ug/l #	71
44) Trichloroethene	7.21	130	922	0.225	ug/l	54
49) 1,4-Dioxane	7.75	88	243	2.724	ug/l #	23
76) 1,2,3-Trichloropropane	11.13	75	119608	22.738	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	119608	64.530	ug/l #	11
95) Naphthalene	13.83	128	1412	1.498	ug/l #	57

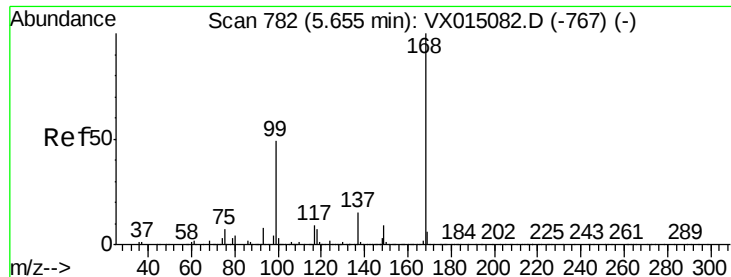
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015193.D

Acq: 11 Mar 2020 12:23

Instrument :

MSVOA_X

ClientSampled :

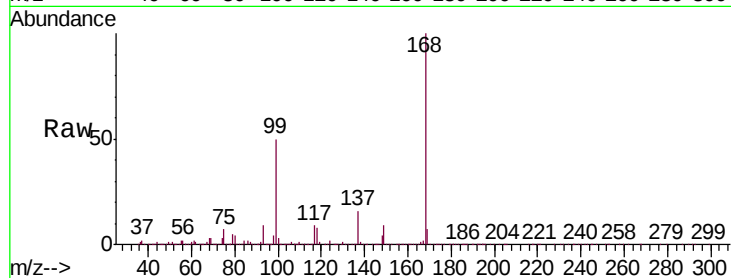
TP-2

Tgt Ion:168 Resp: 320738

Ion Ratio Lower Upper

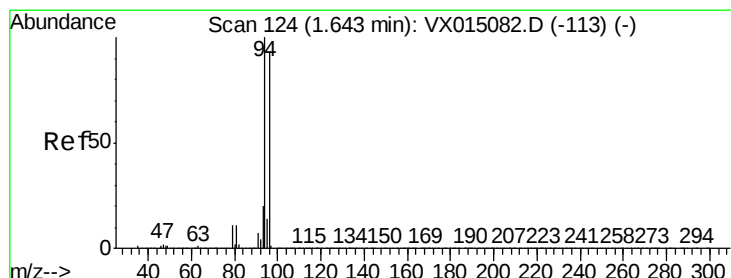
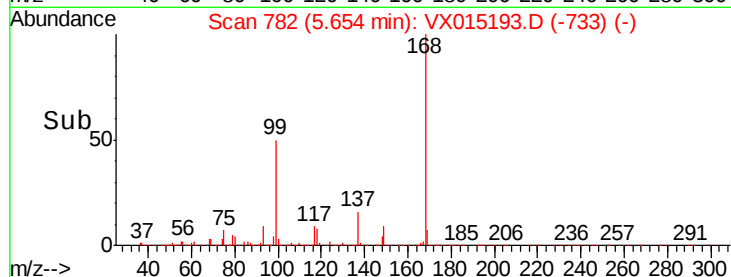
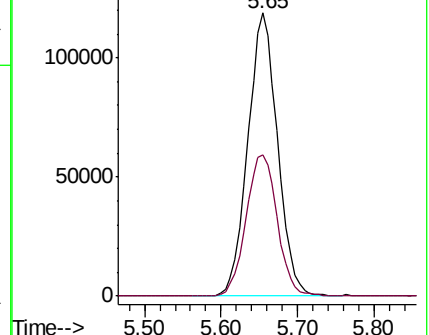
168 100

99 49.7 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.433 ug/l

RT: 1.67 min Scan# 129

Delta R.T. 0.03 min

Lab File: VX015193.D

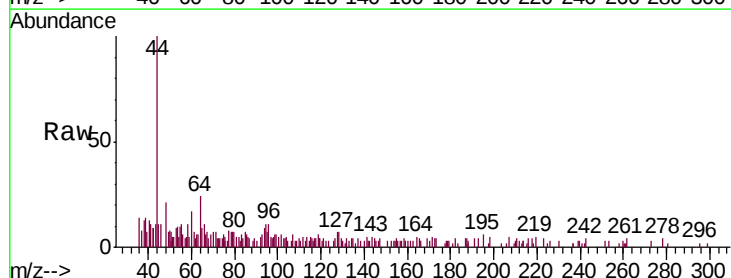
Acq: 11 Mar 2020 12:23

Tgt Ion: 94 Resp: 1075

Ion Ratio Lower Upper

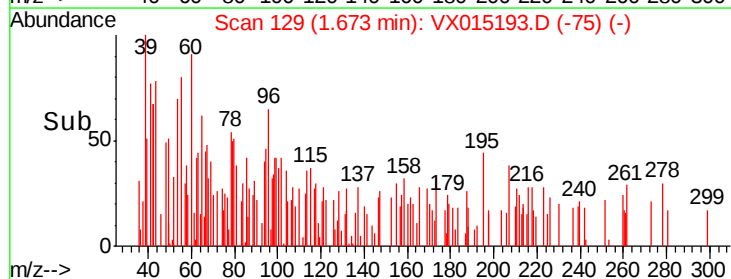
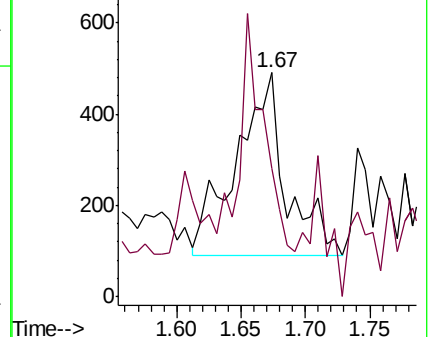
94 100

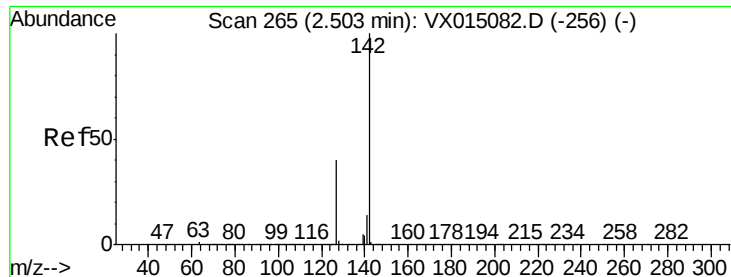
96 70.3 74.6 111.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

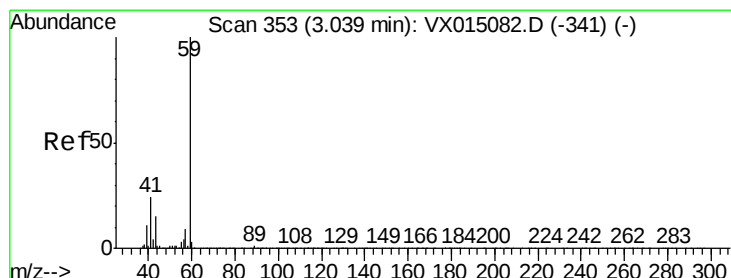
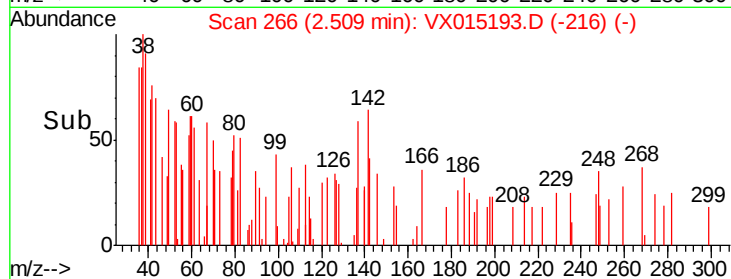
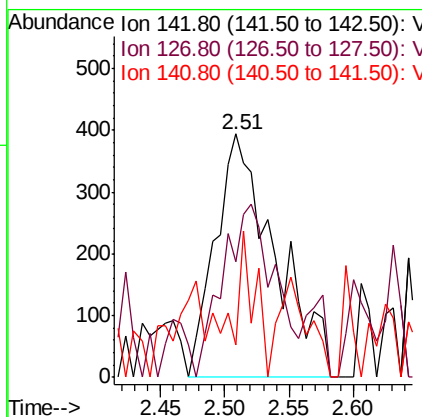
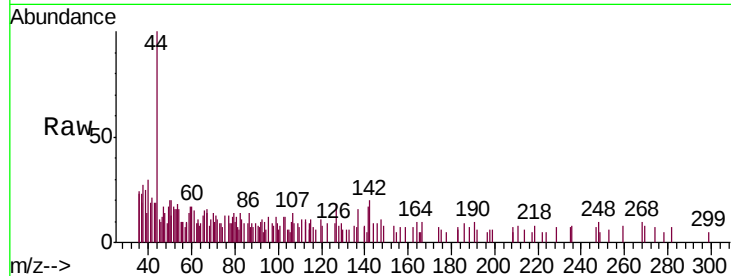




#10
Methyl Iodide
Concen: 0.372 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX015193.D
Acq: 11 Mar 2020 12:23

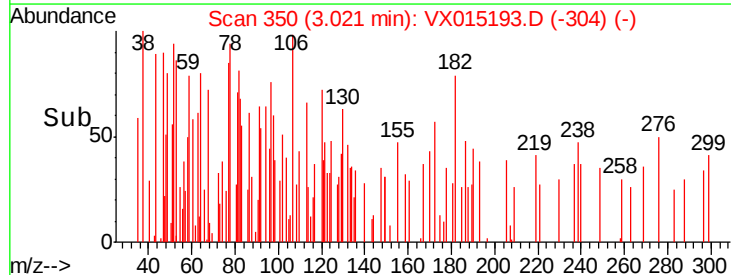
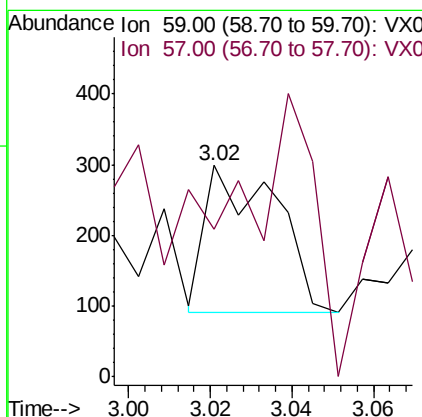
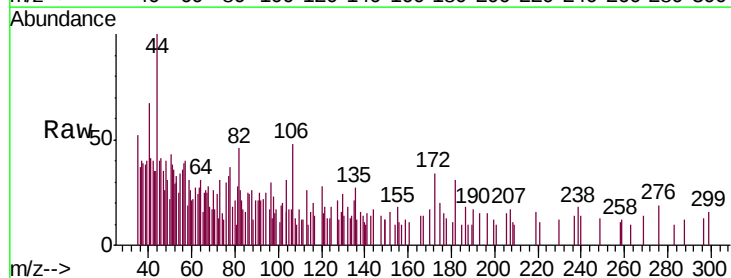
Instrument :
MSVOA_X
ClientSampled :
TP-2

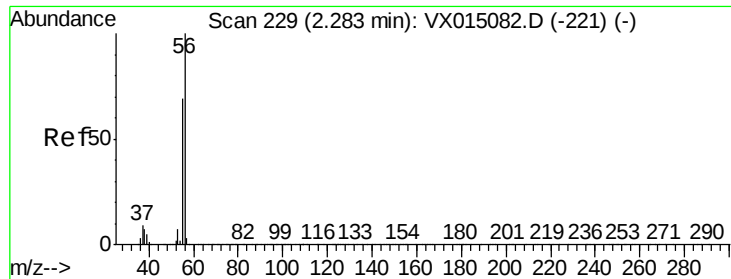
Tgt Ion: 142 Resp: 1268
Ion Ratio Lower Upper
142 100
127 62.0 31.7 47.5#
141 19.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.379 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX015193.D
Acq: 11 Mar 2020 12:23

Tgt Ion: 59 Resp: 250
Ion Ratio Lower Upper
59 100
57 103.2 8.2 12.4#

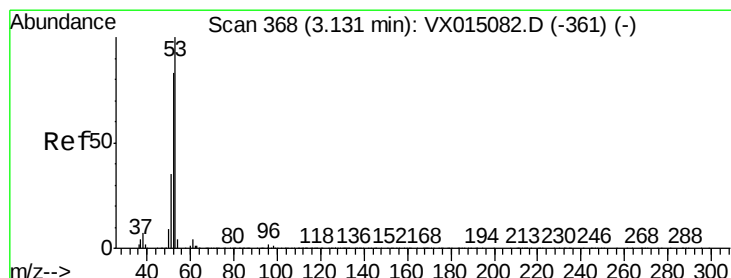
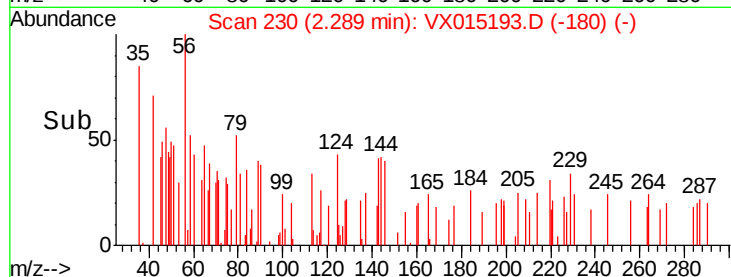
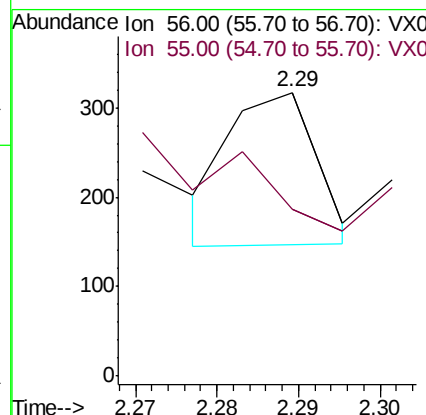
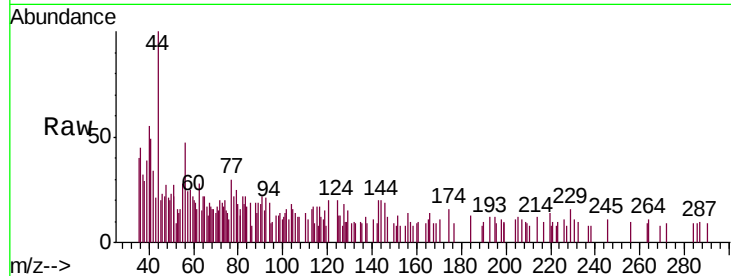




#13
Acrolein
Concen: 0.205 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX015193.D
Acq: 11 Mar 2020 12:23

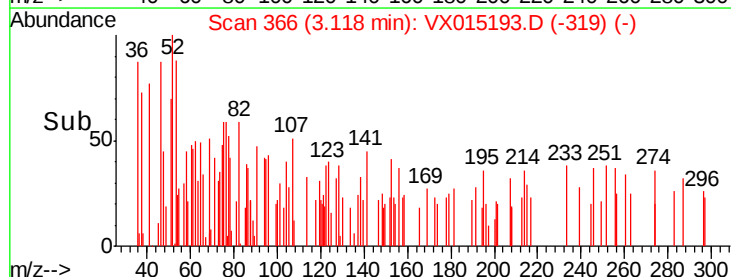
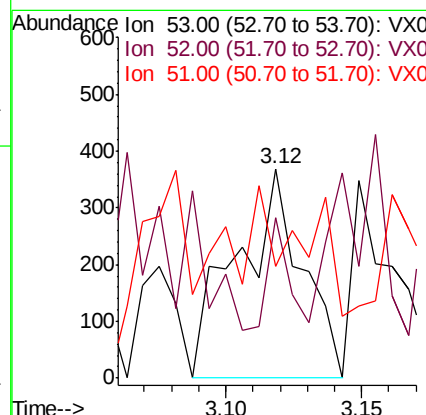
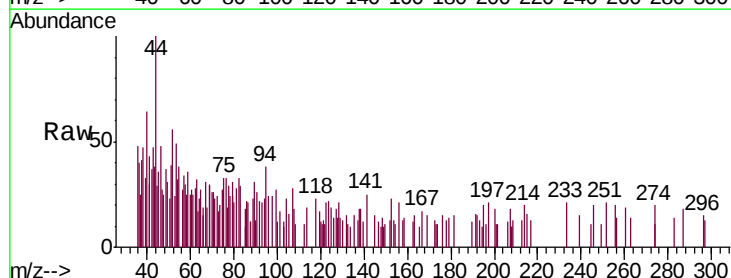
Instrument :
MSVOA_X
ClientSampled :
TP-2

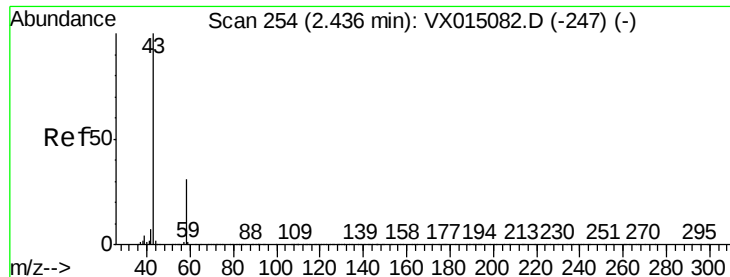
Tgt Ion: 56 Resp: 127
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.0#



#15
Acrylonitrile
Concen: 0.373 ug/l
RT: 3.12 min Scan# 366
Delta R.T. -0.01 min
Lab File: VX015193.D
Acq: 11 Mar 2020 12:23

Tgt Ion: 53 Resp: 614
Ion Ratio Lower Upper
53 100
52 16.8 66.6 100.0#
51 7.5 29.0 43.6#





#16

Acetone

Concen: 7.505 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX015193.D

Acq: 11 Mar 2020 12:23

Instrument :

MSVOA_X

ClientSampleId :

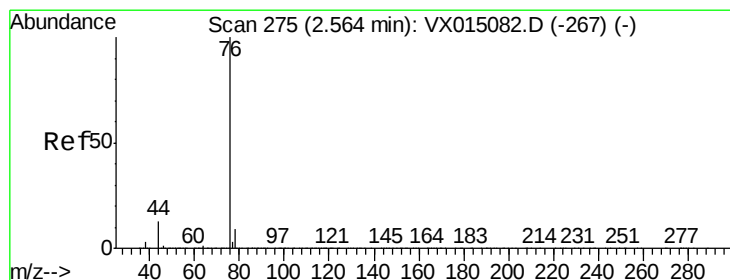
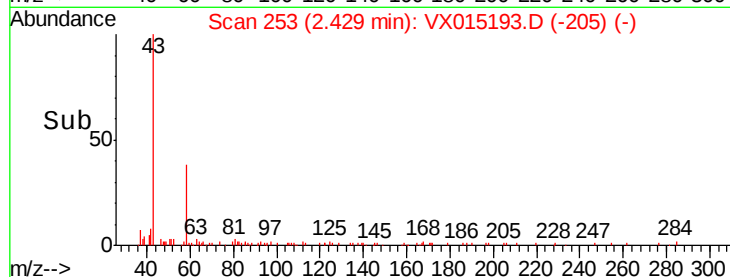
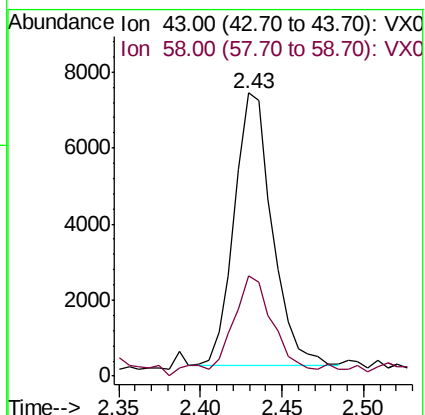
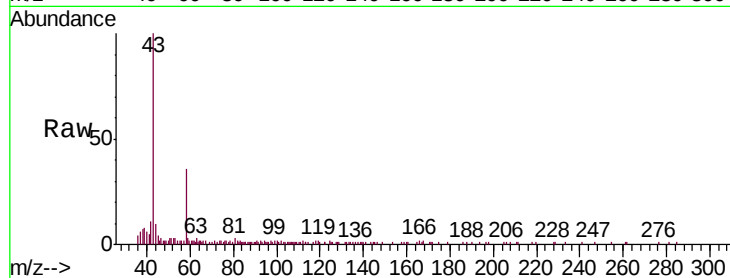
TP-2

Tgt Ion: 43 Resp: 11565

Ion Ratio Lower Upper

43 100

58 34.6 24.8 37.2



#17

Carbon Disulfide

Concen: 0.234 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.01 min

Lab File: VX015193.D

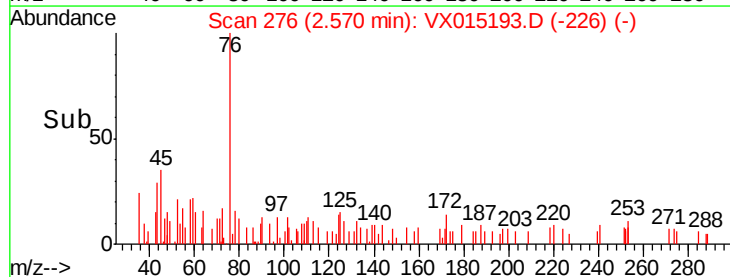
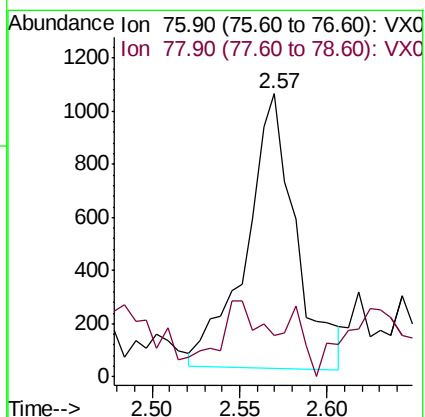
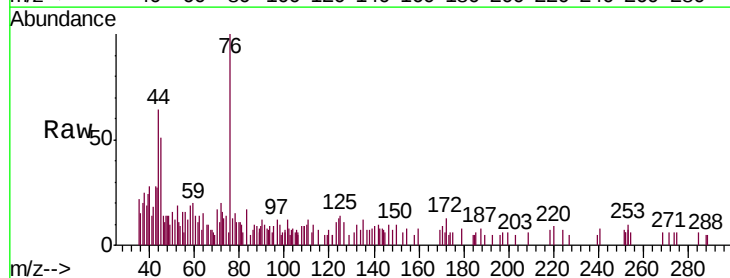
Acq: 11 Mar 2020 12:23

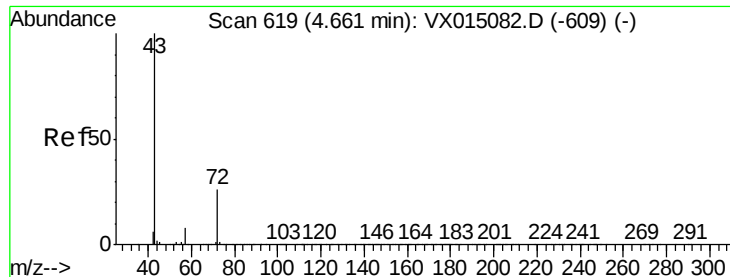
Tgt Ion: 76 Resp: 2024

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9





#25

2-Butanone

Concen: 1.417 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.02 min

Lab File: VX015193.D

Acq: 11 Mar 2020 12:23

Instrument :

MSVOA_X

ClientSampled :

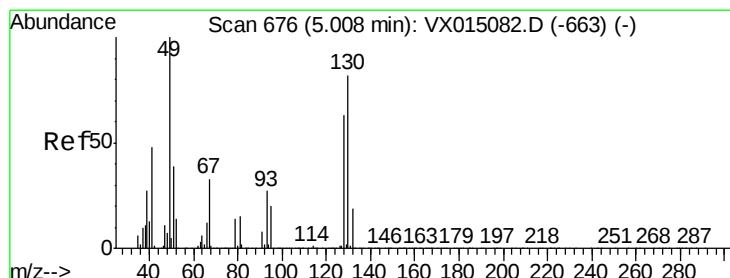
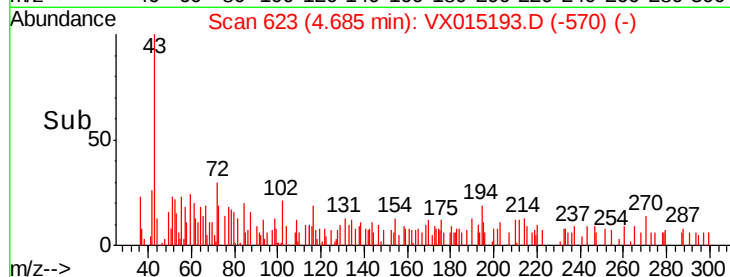
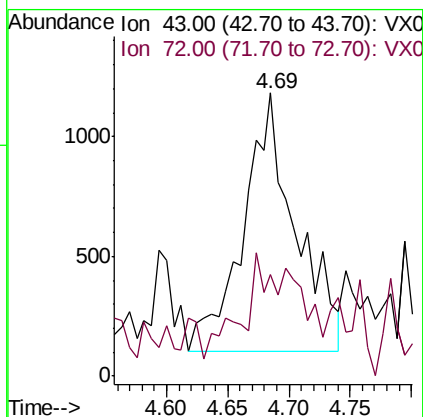
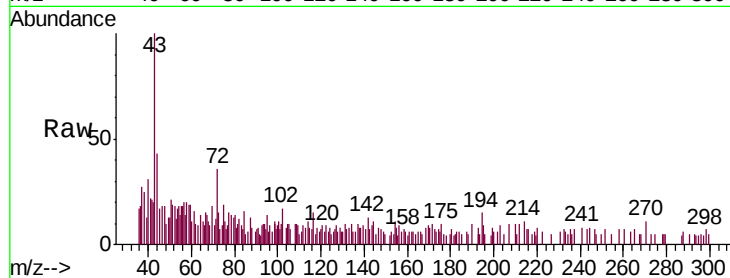
TP-2

Tgt Ion: 43 Resp: 3197

Ion Ratio Lower Upper

43 100

72 33.7 20.6 30.8#



#28

Bromochloromethane

Concen: 0.307 ug/l

RT: 5.02 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX015193.D

Acq: 11 Mar 2020 12:23

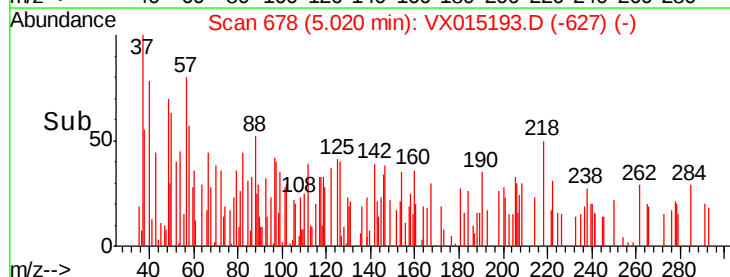
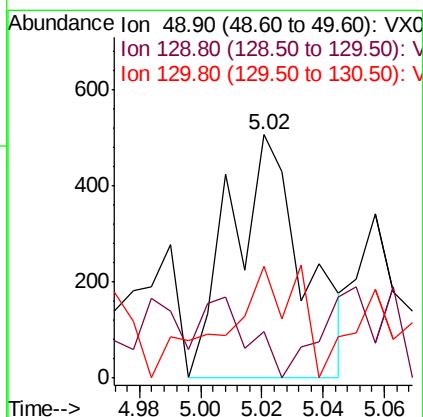
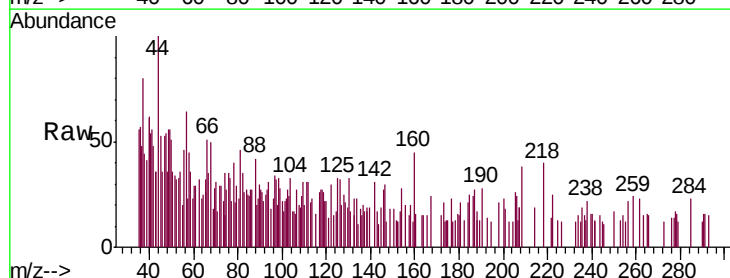
Tgt Ion: 49 Resp: 841

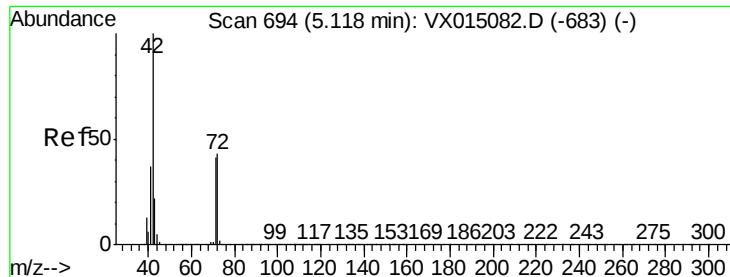
Ion Ratio Lower Upper

49 100

129 20.9 0.0 4.4#

130 0.0 65.0 97.6#





#29

Tetrahydrofuran

Concen: 0.255 ug/l

RT: 5.28 min Scan# 721

Delta R.T. 0.16 min

Lab File: VX015193.D

Acq: 11 Mar 2020 12:23

Instrument :

MSVOA_X

ClientSampled :

TP-2

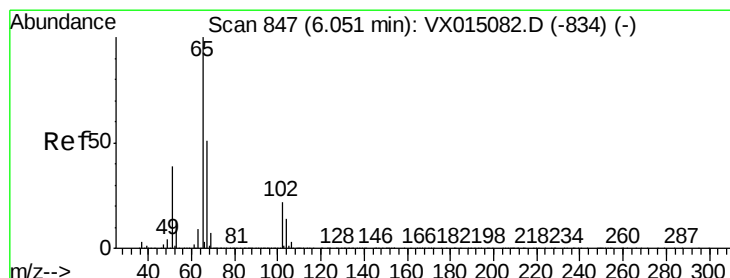
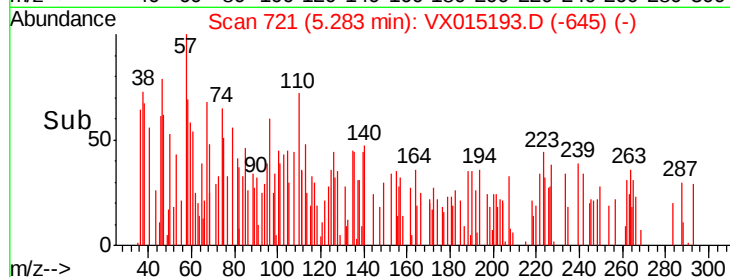
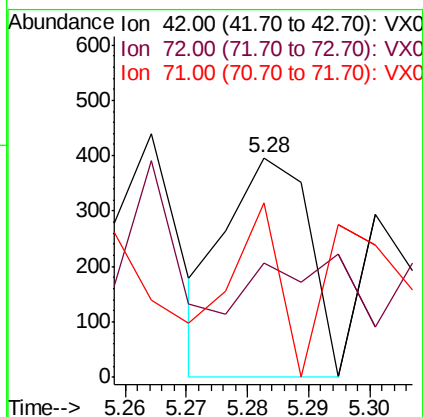
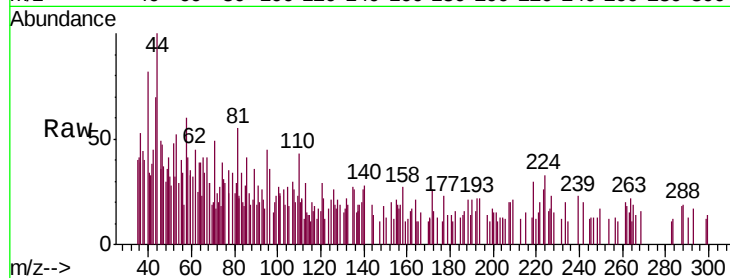
Tgt Ion: 42 Resp: 371

Ion Ratio Lower Upper

42 100

72 46.6 36.4 54.6

71 46.4 33.3 49.9



#33

1,2-Dichloroethane-d4

Concen: 54.370 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX015193.D

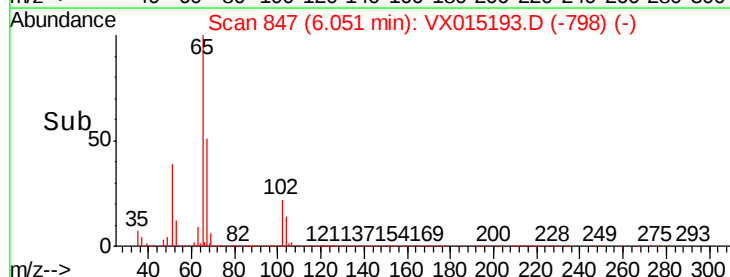
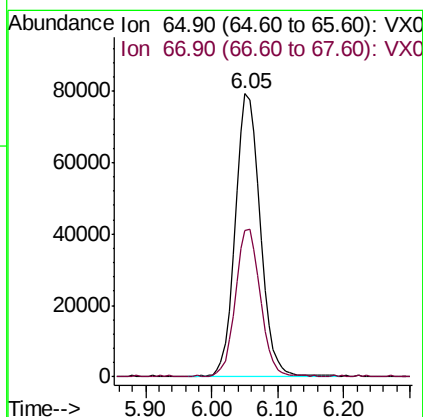
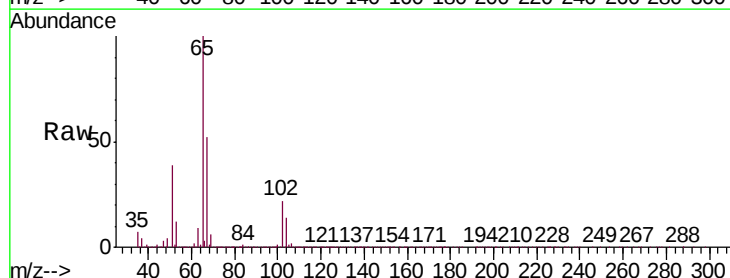
Acq: 11 Mar 2020 12:23

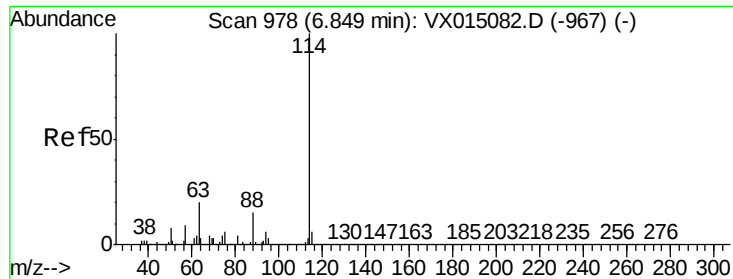
Tgt Ion: 65 Resp: 206888

Ion Ratio Lower Upper

65 100

67 52.0 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX015193.D

Acq: 11 Mar 2020 12:23

Instrument :

MSVOA_X

ClientSampleId :

TP-2

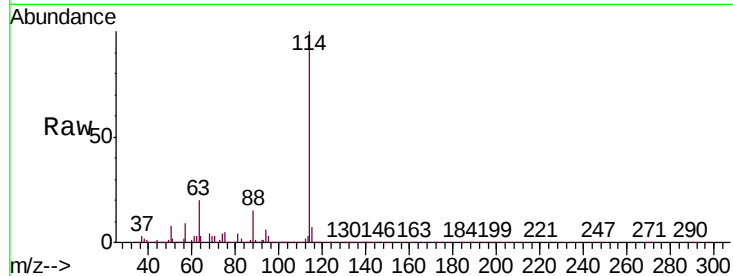
Tgt Ion:114 Resp: 537456

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

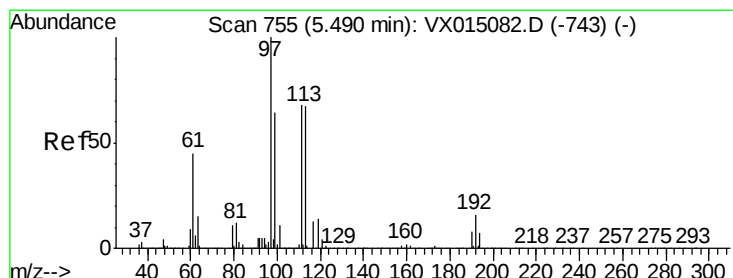
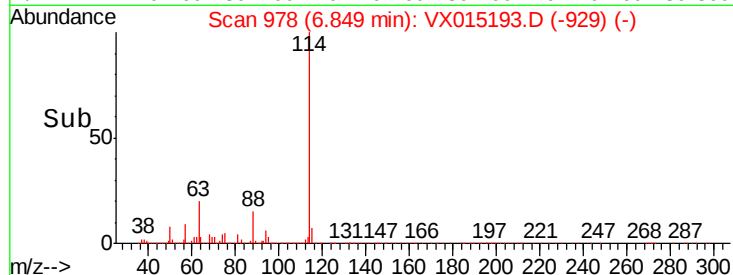
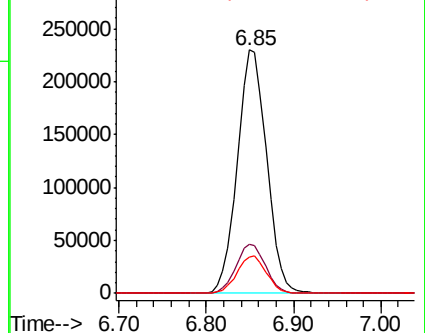
88 14.9 0.0 30.6



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: 50.360 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX015193.D

Acq: 11 Mar 2020 12:23

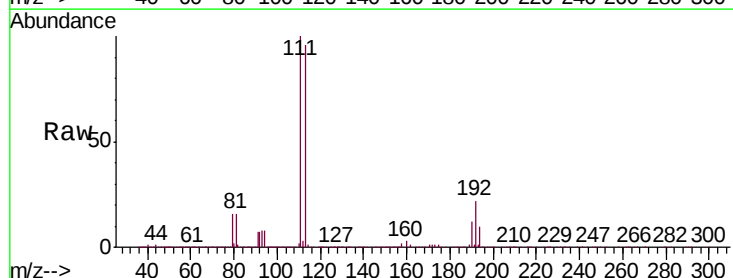
Tgt Ion:113 Resp: 170752

Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

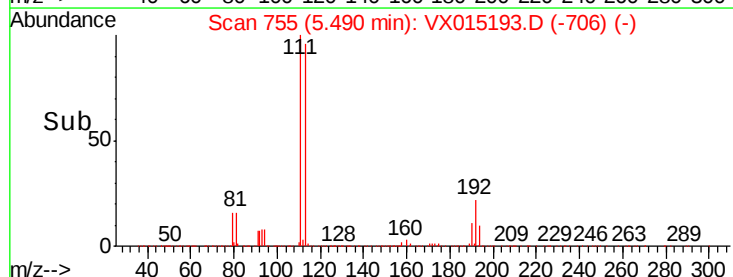
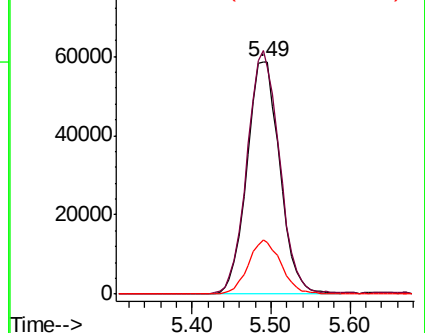
192 23.2 18.6 28.0

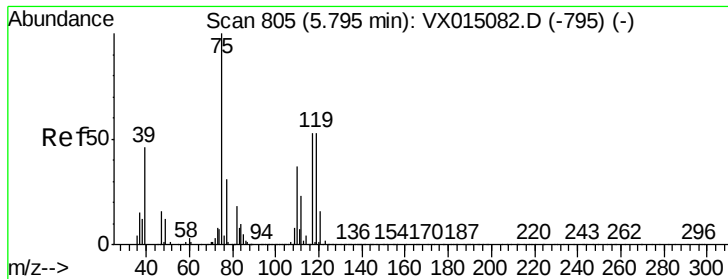


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

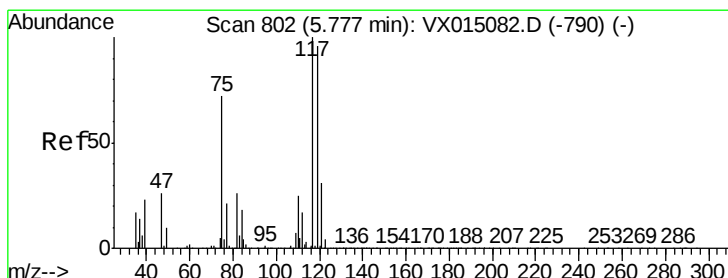
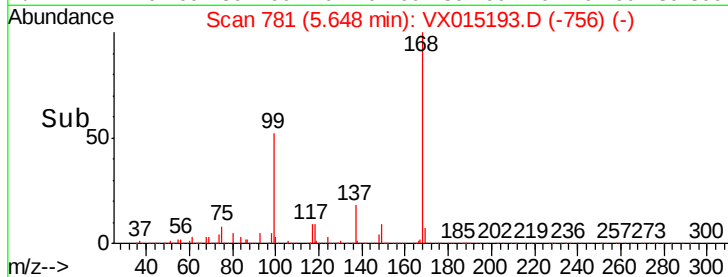
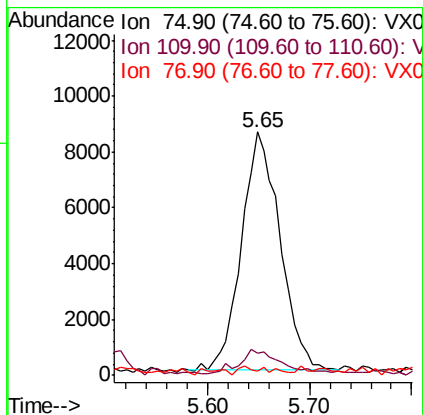
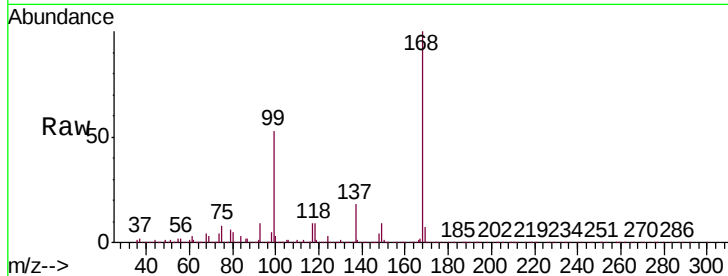




#36
 1,1-Dichloropropene
 Concen: 4.491 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX015193.D
 Acq: 11 Mar 2020 12:23

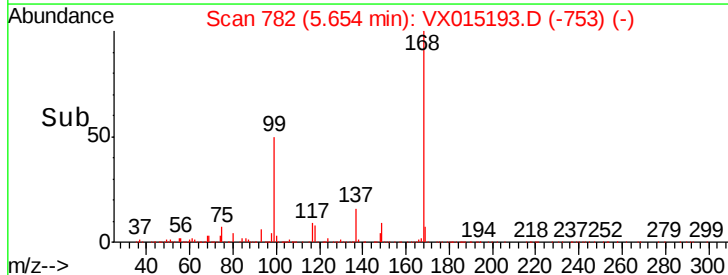
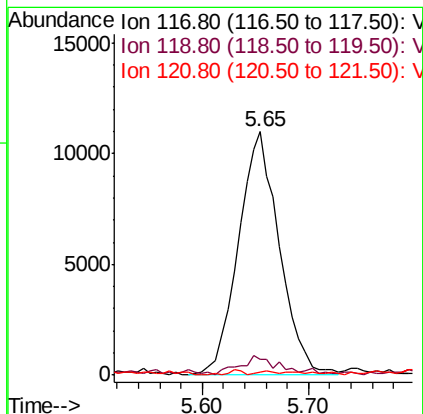
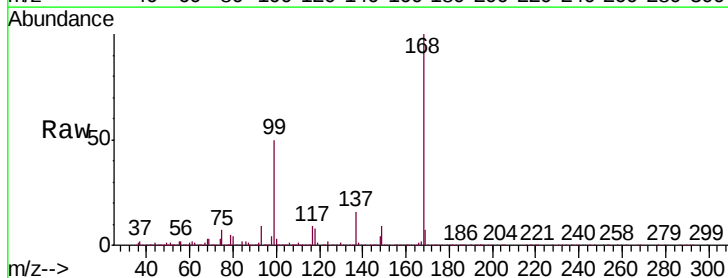
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

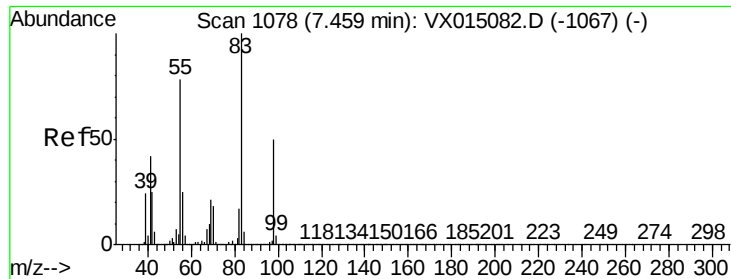
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.0	17.9	53.8#
77	1.5	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.330 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX015193.D
 Acq: 11 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.9	115.3#
121	0.5	24.6	37.0#





#39

Methylcyclohexane

Concen: 0.274 ug/l

RT: 7.47 min Scan# 1079

Delta R.T. 0.01 min

Lab File: VX015193.D

Acq: 11 Mar 2020 12:23

Instrument :

MSVOA_X

ClientSampled :

TP-2

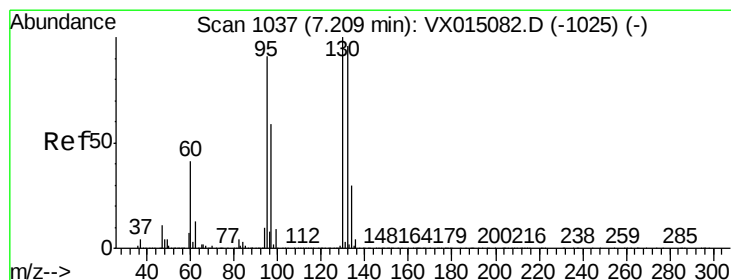
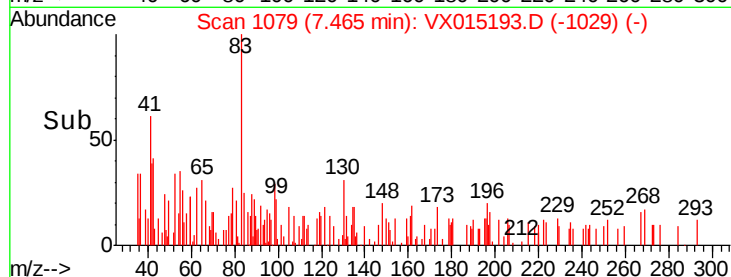
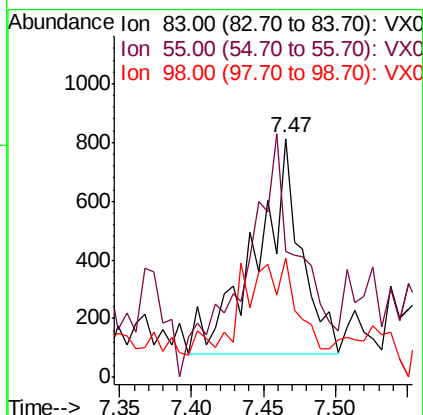
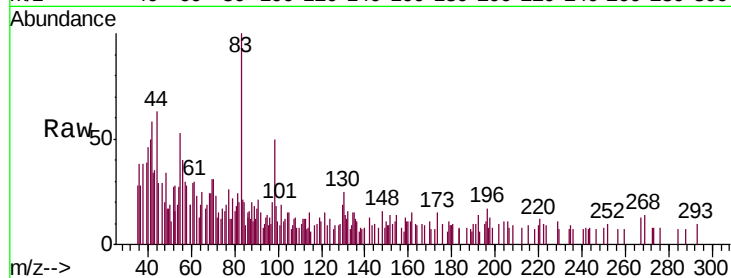
Tgt Ion: 83 Resp: 1588

Ion Ratio Lower Upper

83 100

55 40.2 62.4 93.6#

98 45.2 39.7 59.5



#44

Trichloroethene

Concen: 0.225 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX015193.D

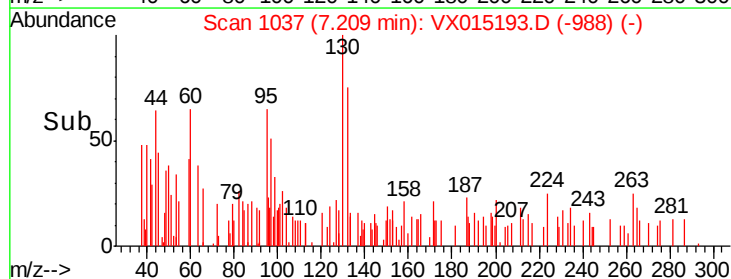
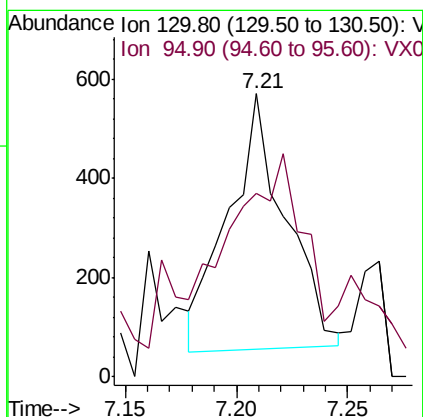
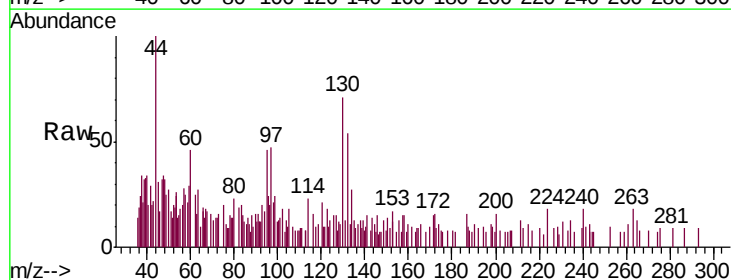
Acq: 11 Mar 2020 12:23

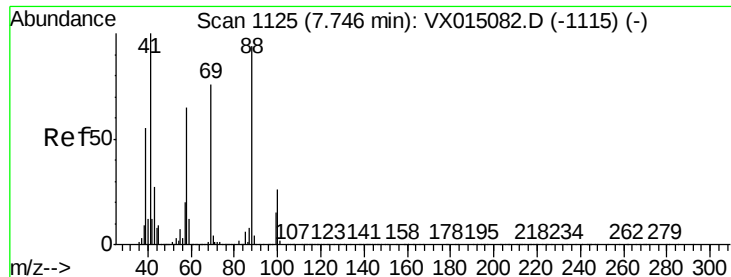
Tgt Ion: 130 Resp: 922

Ion Ratio Lower Upper

130 100

95 47.1 0.0 181.2

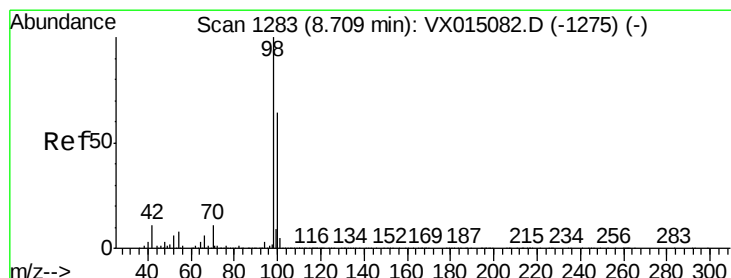
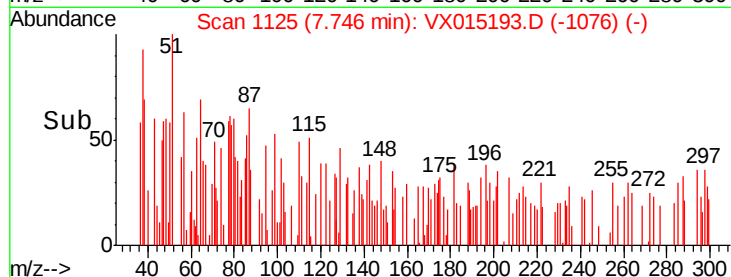
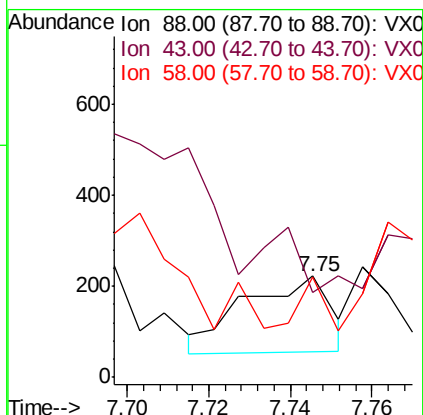
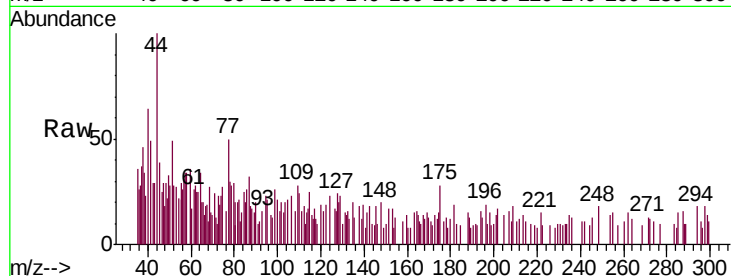




#49
1,4-Dioxane
Concen: 2.724 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VX015193.D
Acq: 11 Mar 2020 12:23

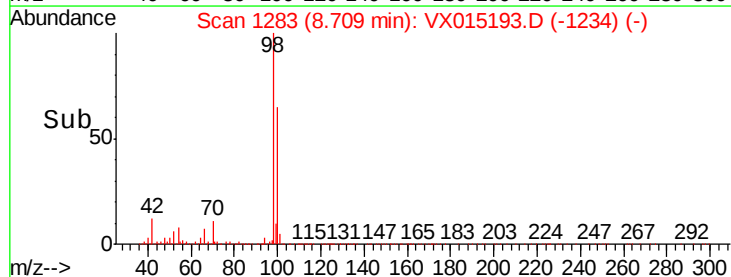
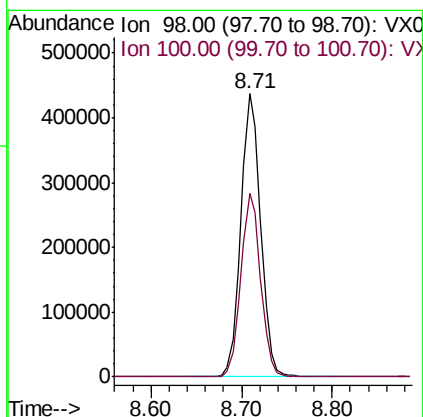
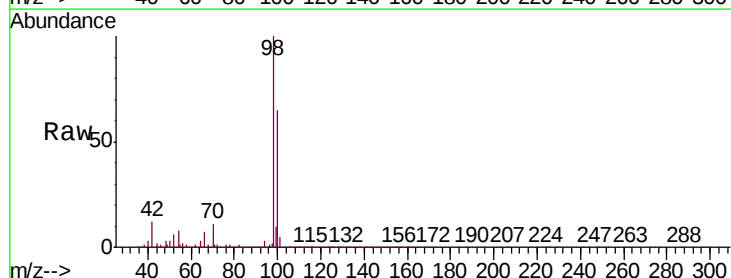
Instrument :
MSVOA_X
ClientSampled :
TP-2

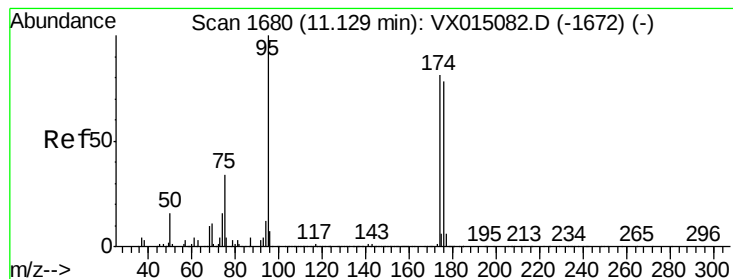
Tgt Ion: 88 Resp: 243
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 0.0 55.6 83.4#



#50
Toluene-d8
Concen: 51.127 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015193.D
Acq: 11 Mar 2020 12:23

Tgt Ion: 98 Resp: 659407
Ion Ratio Lower Upper
98 100
100 64.7 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 51.906 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX015193.D

Acq: 11 Mar 2020 12:23

Instrument :

MSVOA_X

ClientSampleId :

TP-2

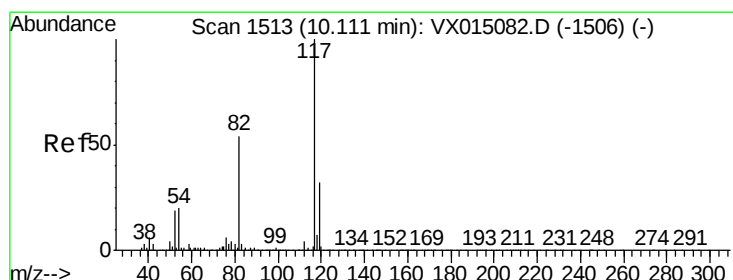
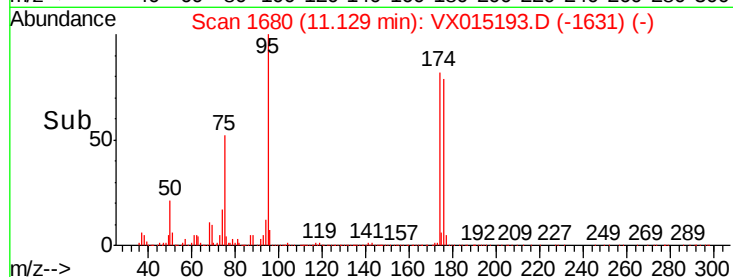
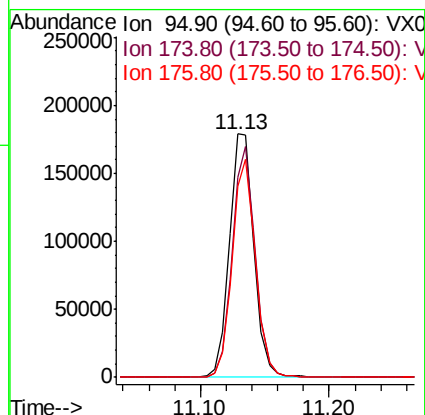
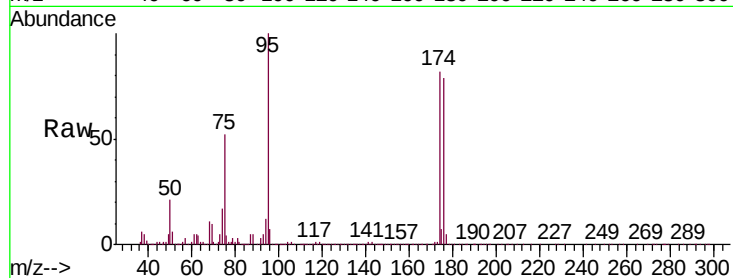
Tgt Ion: 95 Resp: 238791

Ion Ratio Lower Upper

95 100

174 88.9 0.0 177.6

176 85.1 0.0 170.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX015193.D

Acq: 11 Mar 2020 12:23

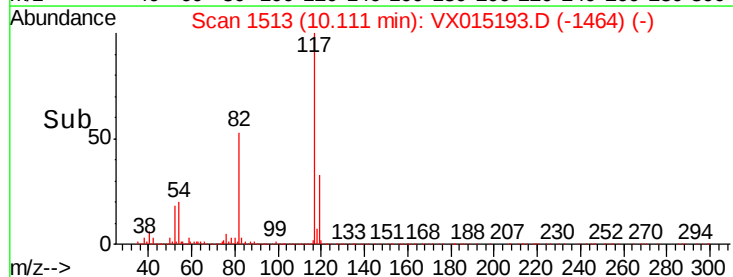
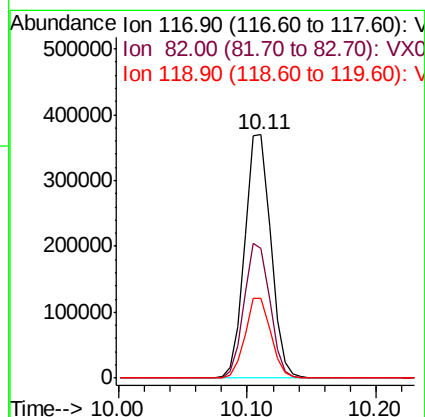
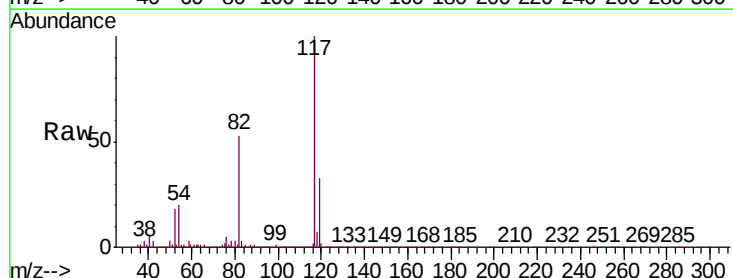
Tgt Ion: 117 Resp: 514951

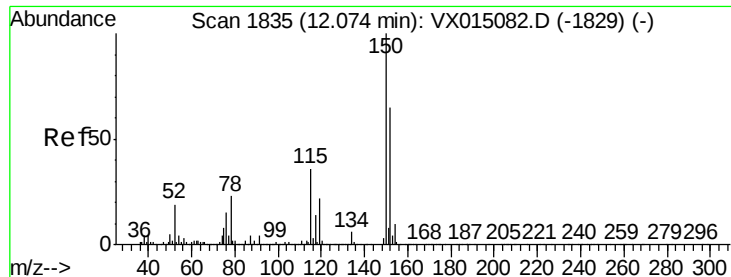
Ion Ratio Lower Upper

117 100

82 53.2 43.3 64.9

119 32.9 25.8 38.8



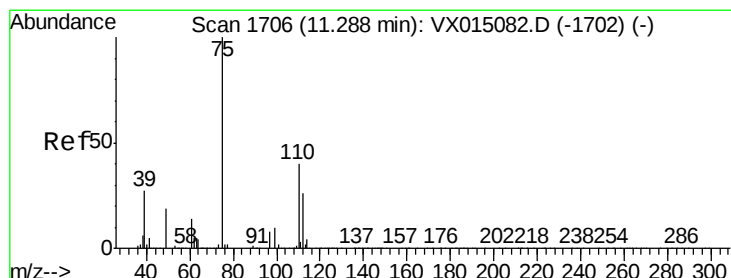
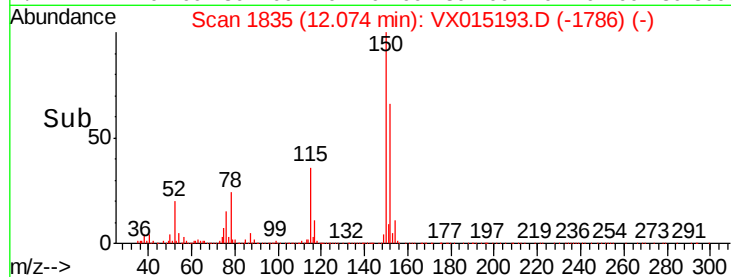
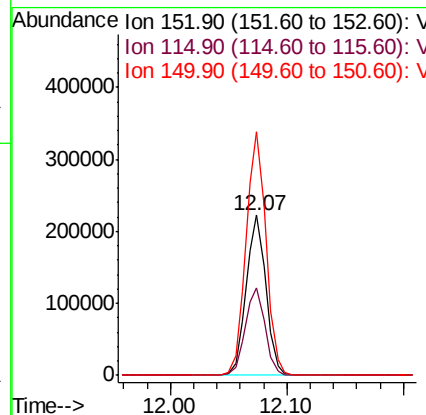
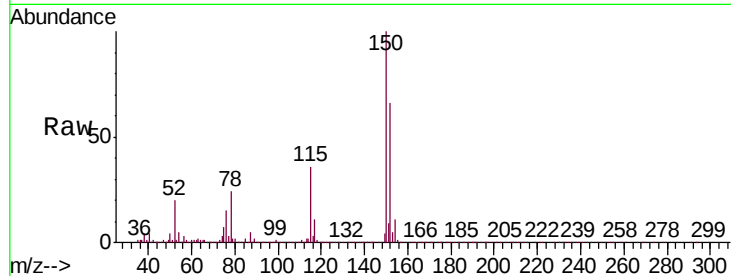


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015193.D
Acq: 11 Mar 2020 12:23

Instrument :
MSVOA_X
ClientSampled :
TP-2

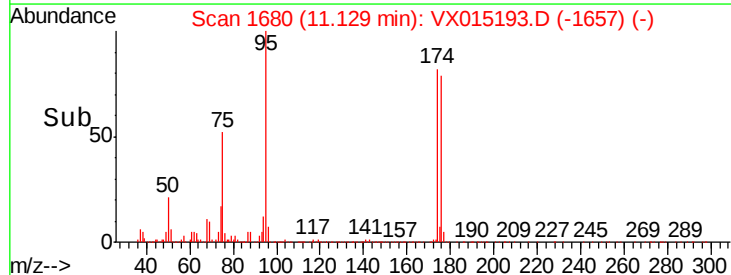
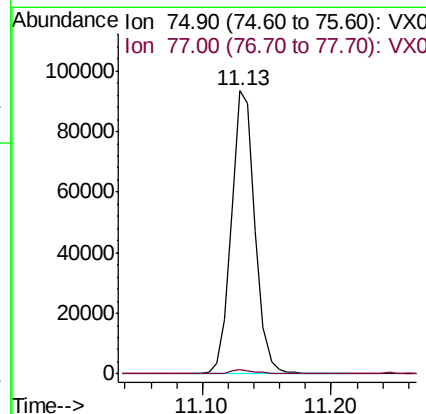
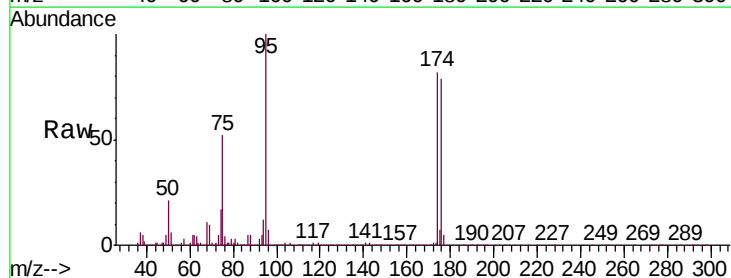
Tgt Ion:152 Resp: 263717
Ion Ratio Lower Upper
152 100
115 54.8 38.2 114.6
150 153.9 0.0 343.8

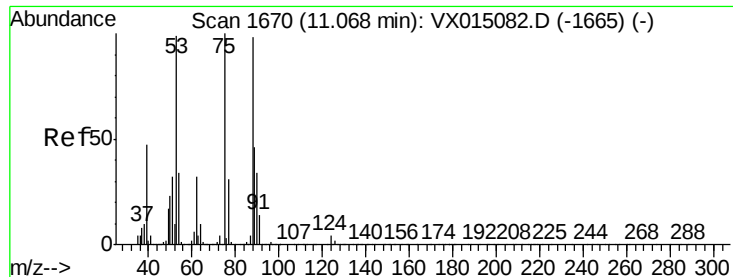


#76

1,2,3-Trichloropropane
Concen: 22.738 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX015193.D
Acq: 11 Mar 2020 12:23

Tgt Ion: 75 Resp: 119608
Ion Ratio Lower Upper
75 100
77 1.3 22.6 67.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 64.530 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015193.D

Acq: 11 Mar 2020 12:23

Instrument :

MSVOA_X

ClientSampleId :

TP-2

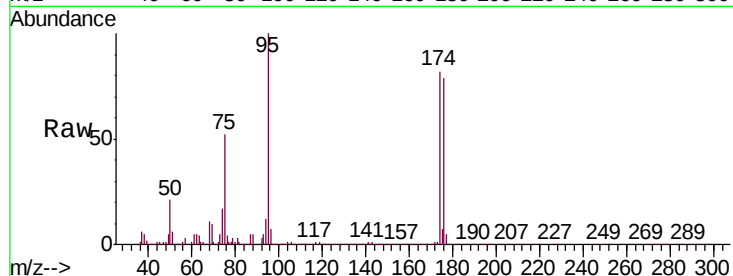
Tgt Ion: 75 Resp: 119608

Ion Ratio Lower Upper

75 100

53 0.3 77.9 116.9#

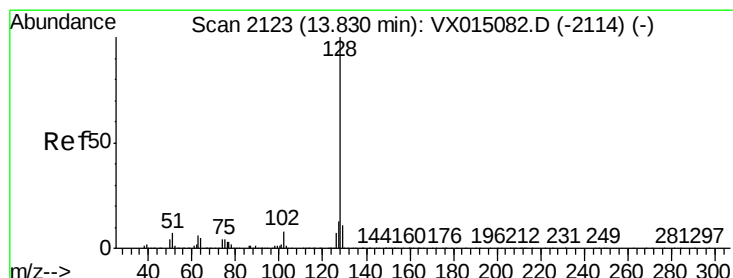
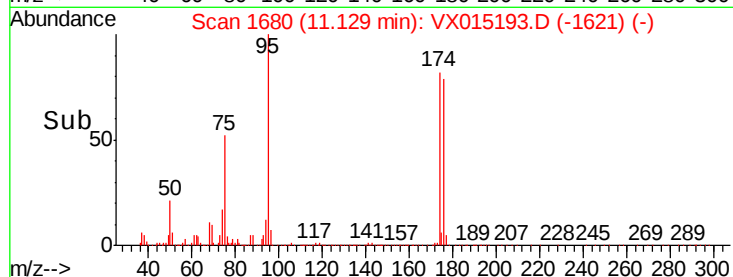
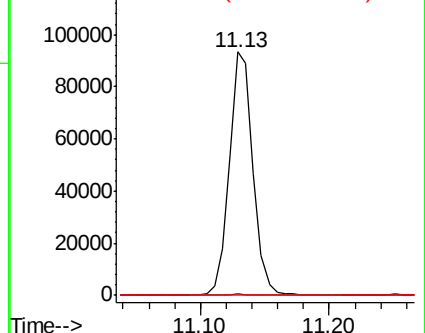
89 0.2 36.2 54.2#



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



#95

Naphthalene

Concen: 1.498 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX015193.D

Acq: 11 Mar 2020 12:23

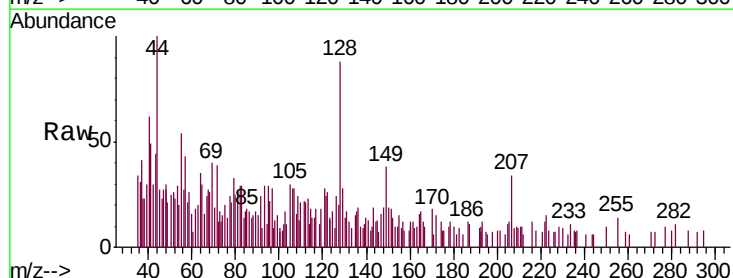
Tgt Ion: 128 Resp: 1412

Ion Ratio Lower Upper

128 100

127 28.8 10.3 15.5#

129 28.3 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

