

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081619\
 Data File : VX011579.D
 Acq On : 16 Aug 2019 14:27
 Operator : JC/SP
 Sample : K4368-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-TB-2019-2

Quant Time: Aug 19 01:08:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	432745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	608539	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	528331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	261615	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	209248	52.14	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	5.49	113	180930	45.46	ug/l	0.00
Spiked Amount						
50) Toluene-d8	8.71	98	691474	55.76	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	11.13	95	238210	45.51	ug/l	0.00
Spiked Amount						

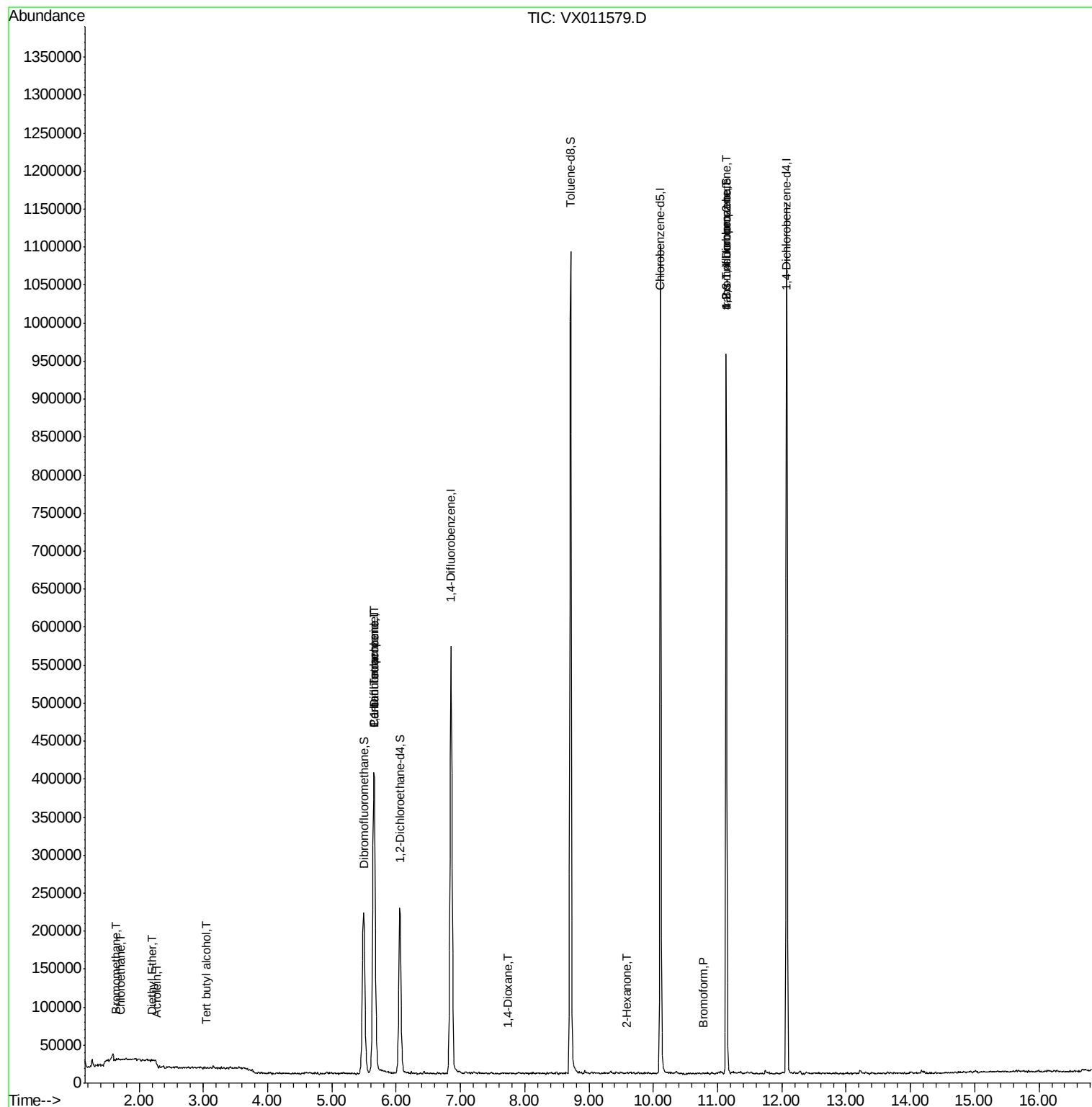
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	943	0.527	ug/l #	17
6) Chloroethane	1.71	64	391	0.207	ug/l #	66
8) Diethyl Ether	2.19	74	382	0.201	ug/l	62
11) Tert butyl alcohol	3.04	59	245	0.249	ug/l #	1
13) Acrolein	2.28	56	543	13.889	ug/l #	75
36) 1,1-Dichloropropene	5.65	75	24565	4.721	ug/l #	51
38) Carbon Tetrachloride	5.65	117	35999	6.280	ug/l #	16
49) 1,4-Dioxane	7.74	88	185	1.504	ug/l #	34
59) 2-Hexanone	9.59	43	1108	0.235	ug/l	99
71) Bromoform	10.77	173	114	3.318	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	110028	22.179	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	110028	59.178	ug/l #	11

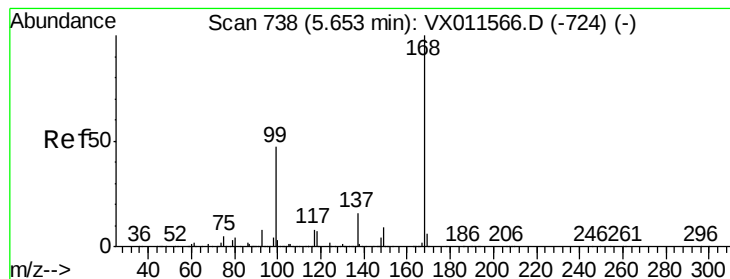
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX081619\
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Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011579.D

Acq: 16 Aug 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

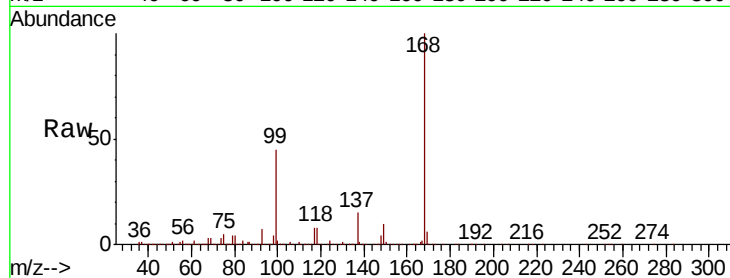
PH2-TB-2019-2

Tgt Ion: 168 Resp: 432745

Ion Ratio Lower Upper

168 100

99 45.5 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.66

150000

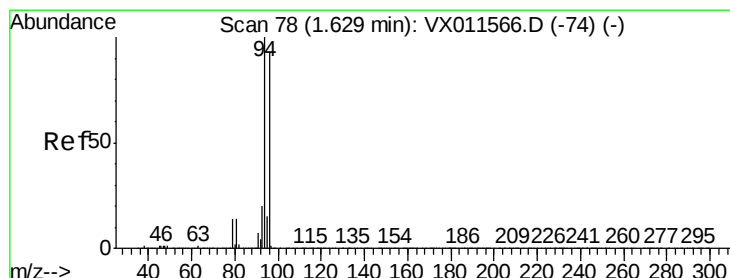
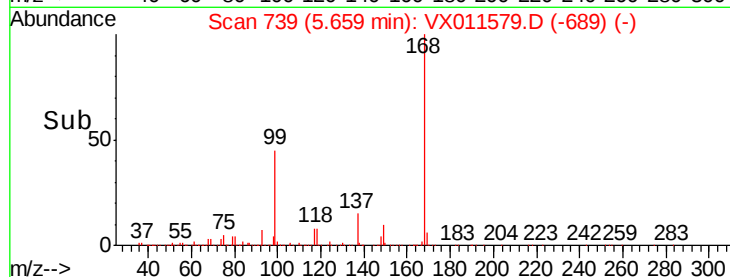
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.527 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011579.D

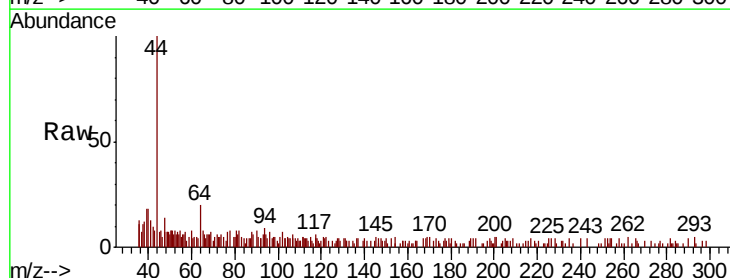
Acq: 16 Aug 2019 14:27

Tgt Ion: 94 Resp: 943

Ion Ratio Lower Upper

94 100

96 14.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

300

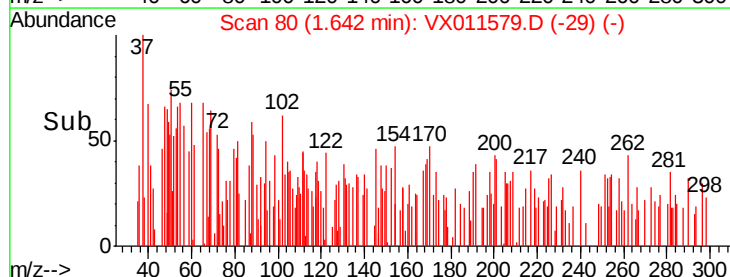
200

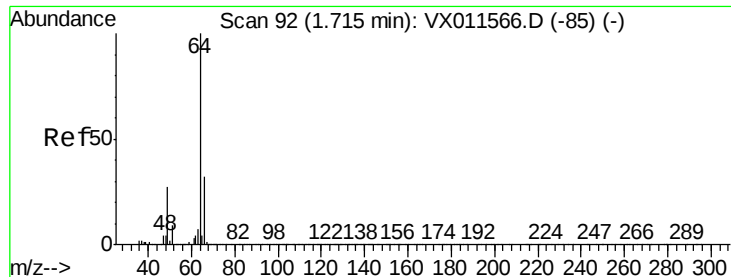
100

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: 0.207 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011579.D

Acq: 16 Aug 2019 14:27

Instrument :

MSVOA_X

ClientSampled :

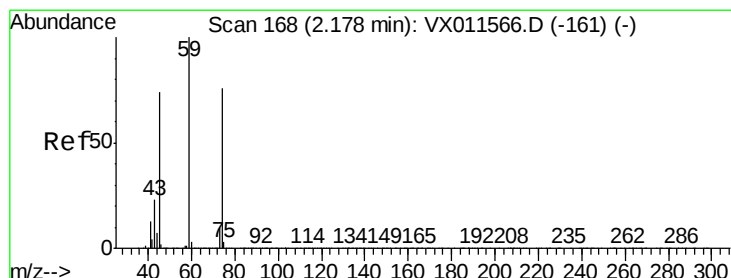
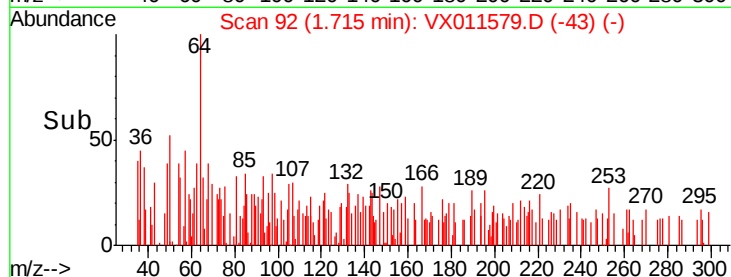
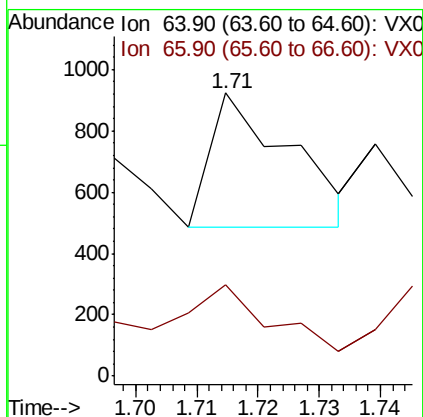
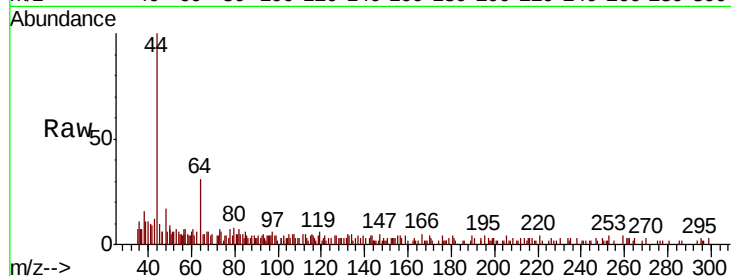
PH2-TB-2019-2

Tgt Ion: 64 Resp: 391

Ion Ratio Lower Upper

64 100

66 50.2 25.3 37.9#



#8

Diethyl Ether

Concen: 0.201 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.01 min

Lab File: VX011579.D

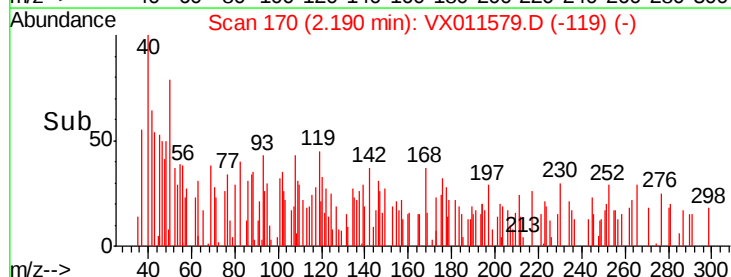
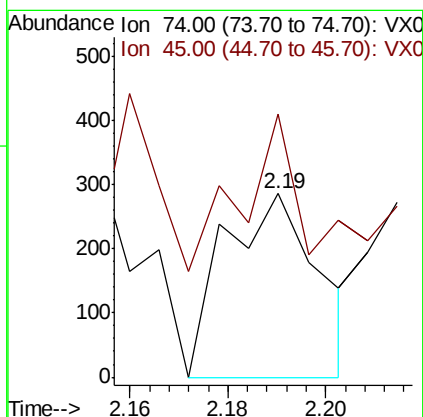
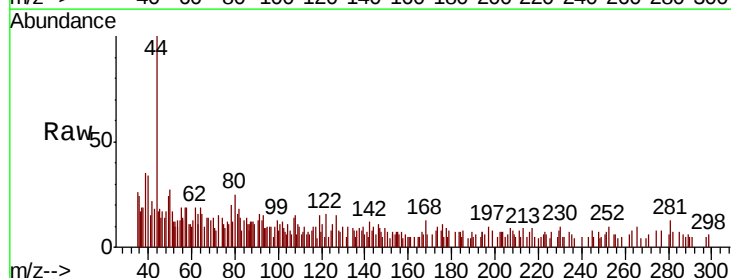
Acq: 16 Aug 2019 14:27

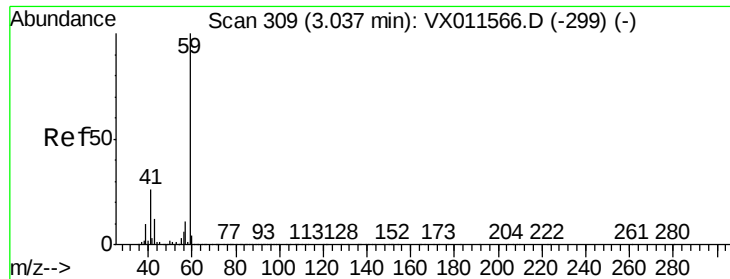
Tgt Ion: 74 Resp: 382

Ion Ratio Lower Upper

74 100

45 58.9 48.2 144.6

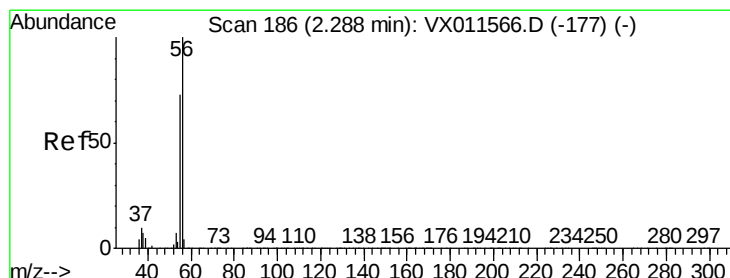
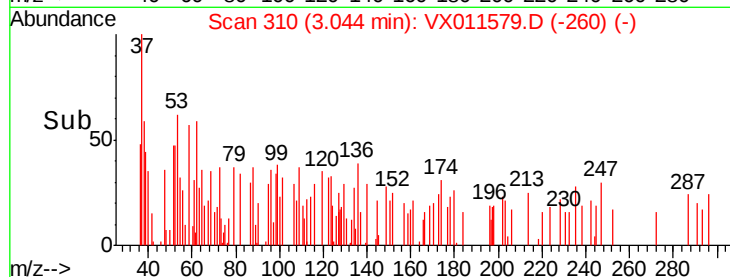
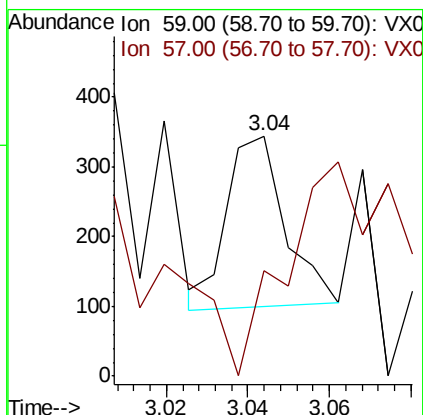
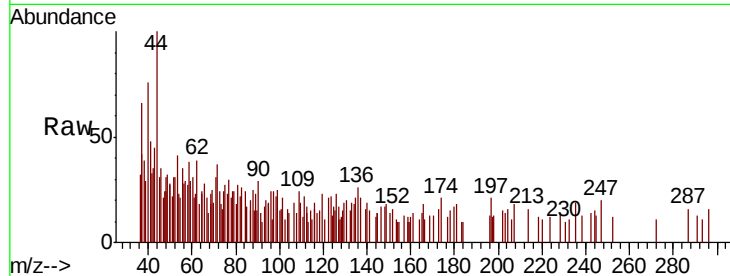




#11
Tert butyl alcohol
Concen: 0.249 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX011579.D
Acq: 16 Aug 2019 14:27

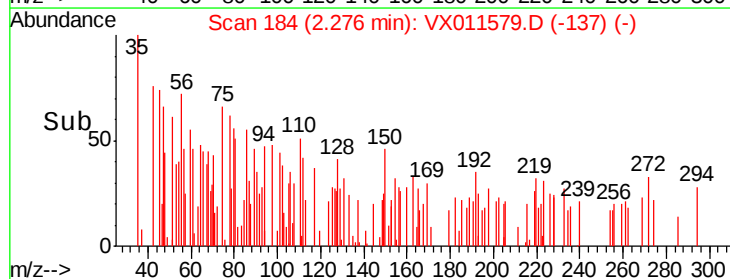
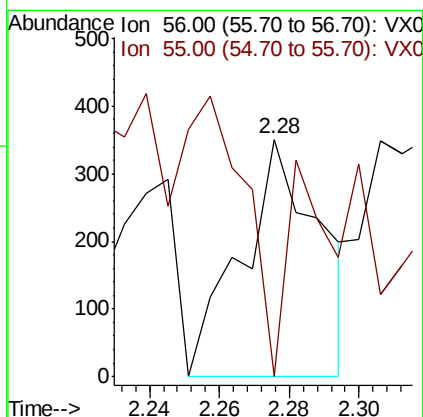
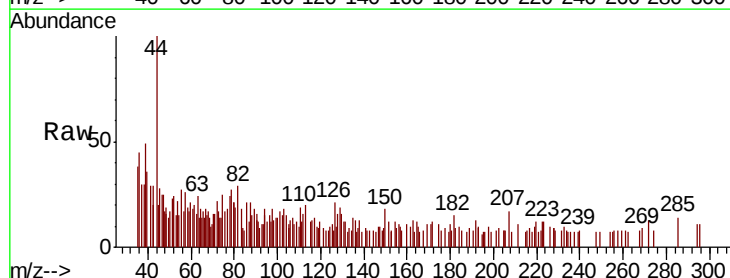
Instrument :
MSVOA_X
ClientSampleId :
PH2-TB-2019-2

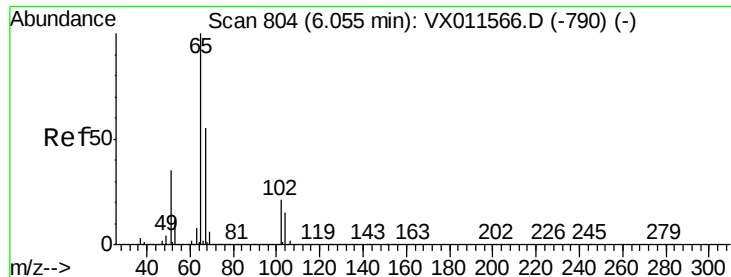
Tgt Ion: 59 Resp: 245
Ion Ratio Lower Upper
59 100
57 267.8 8.7 13.1#



#13
Acrolein
Concen: 13.889 ug/l
RT: 2.28 min Scan# 184
Delta R.T. -0.01 min
Lab File: VX011579.D
Acq: 16 Aug 2019 14:27

Tgt Ion: 56 Resp: 543
Ion Ratio Lower Upper
56 100
55 49.4 55.5 83.3#





#33

1,2-Dichloroethane-d4

Concen: 52.141 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011579.D

Acq: 16 Aug 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

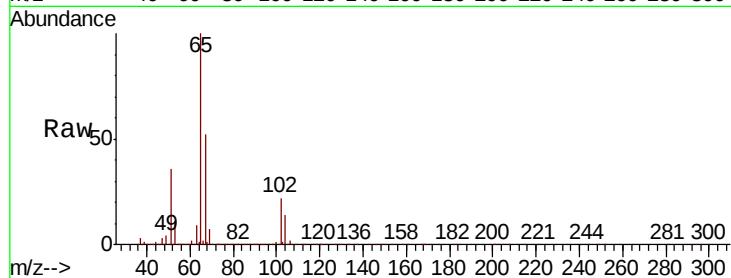
PH2-TB-2019-2

Tgt Ion: 65 Resp: 209248

Ion Ratio Lower Upper

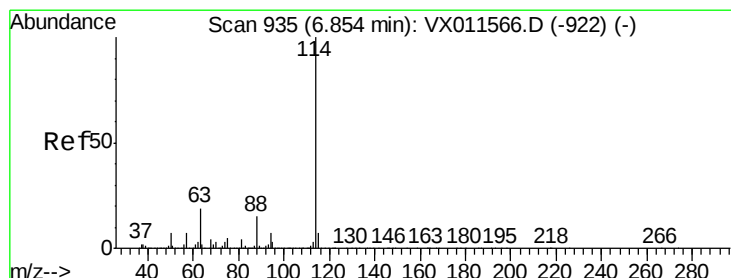
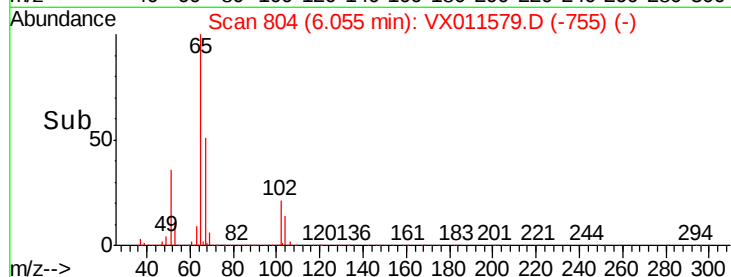
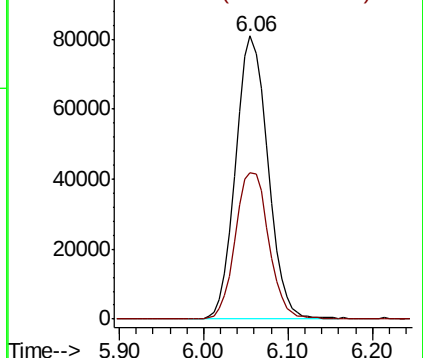
65 100

67 53.9 0.0 107.6



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: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011579.D

Acq: 16 Aug 2019 14:27

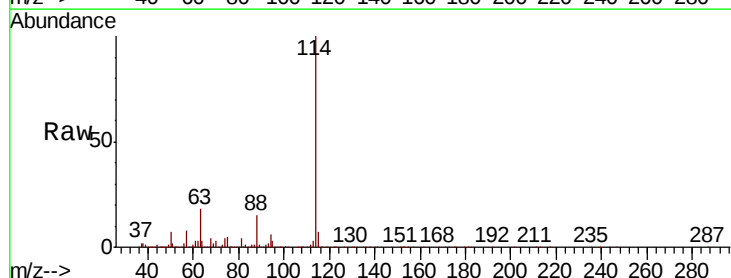
Tgt Ion: 114 Resp: 608539

Ion Ratio Lower Upper

114 100

63 18.1 0.0 37.8

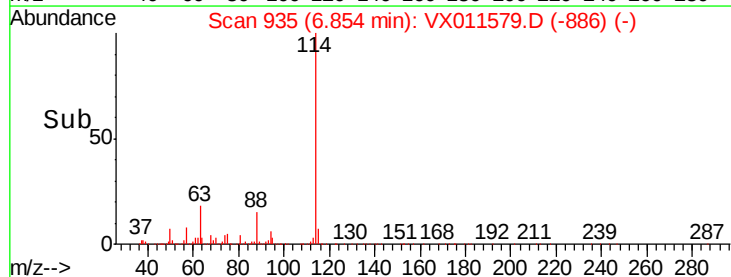
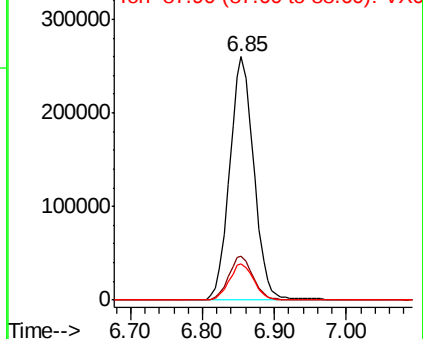
88 14.9 0.0 30.2

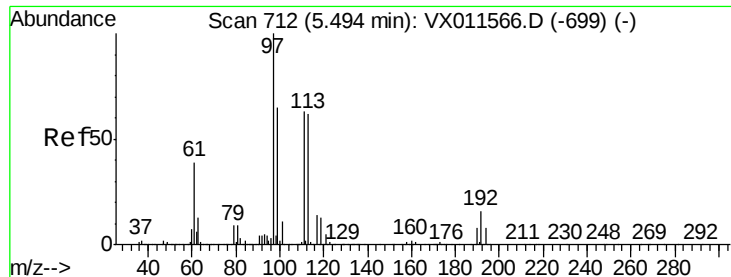


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.457 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011579.D

Acq: 16 Aug 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

PH2-TB-2019-2

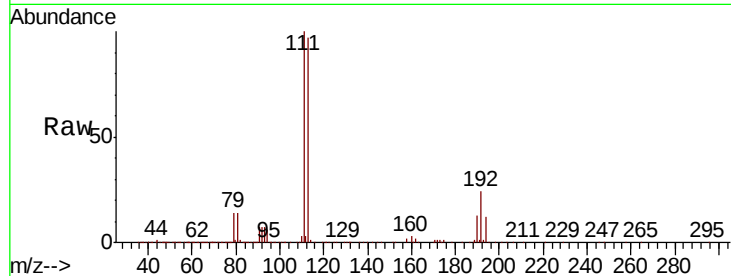
Tgt Ion:113 Resp: 180930

Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

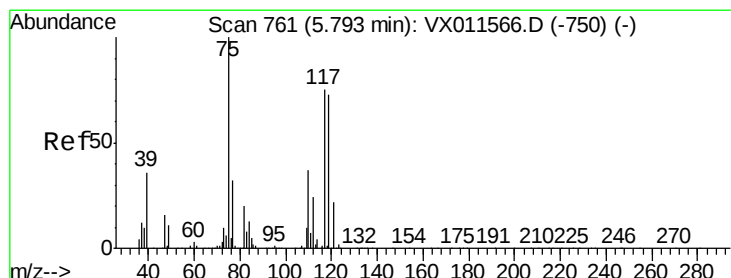
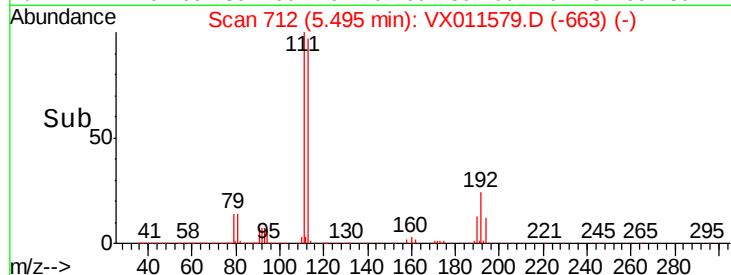
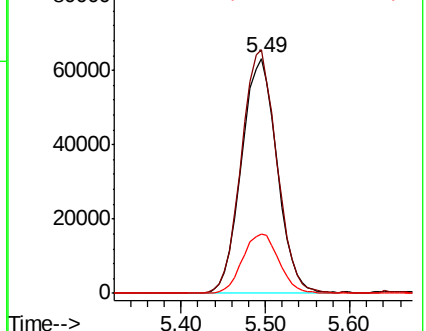
192 25.9 20.8 31.2



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: 4.721 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011579.D

Acq: 16 Aug 2019 14:27

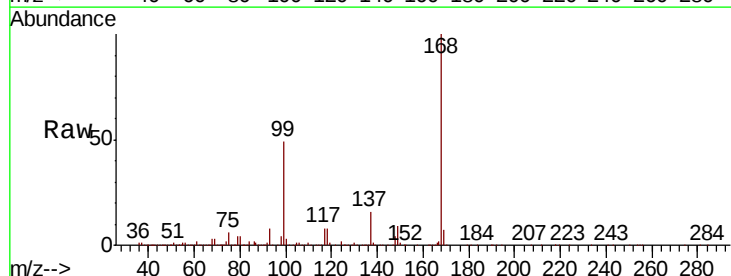
Tgt Ion: 75 Resp: 24565

Ion Ratio Lower Upper

75 100

110 12.7 19.4 58.1#

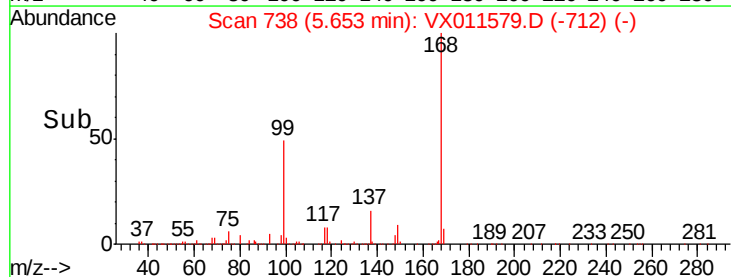
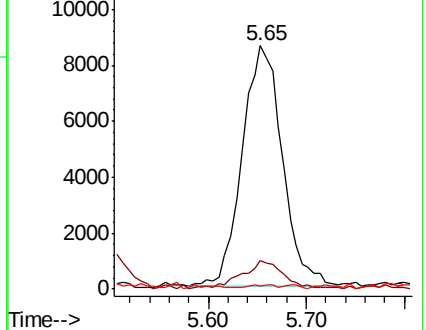
77 0.6 25.1 37.7#

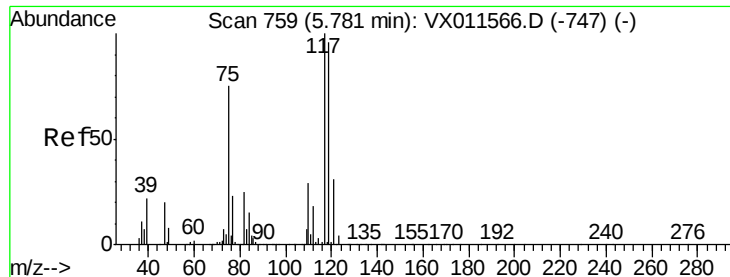


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.280 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011579.D

Acq: 16 Aug 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

PH2-TB-2019-2

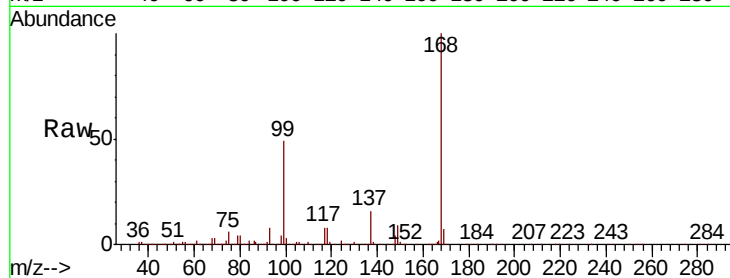
Tgt Ion: 117 Resp: 35999

Ion Ratio Lower Upper

117 100

119 5.1 76.9 115.3#

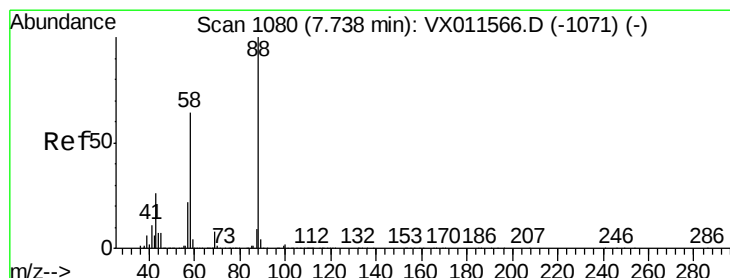
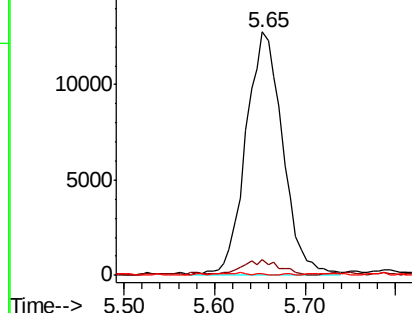
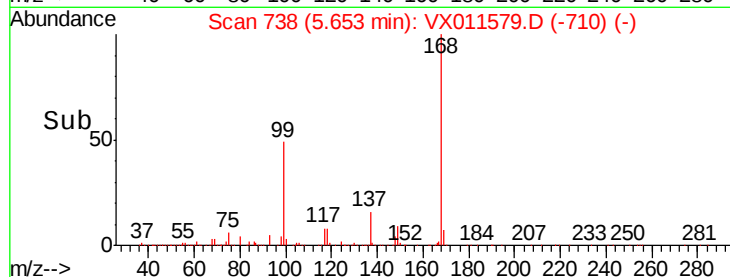
121 0.5 24.8 37.2#



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



#49

1,4-Dioxane

Concen: 1.504 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX011579.D

Acq: 16 Aug 2019 14:27

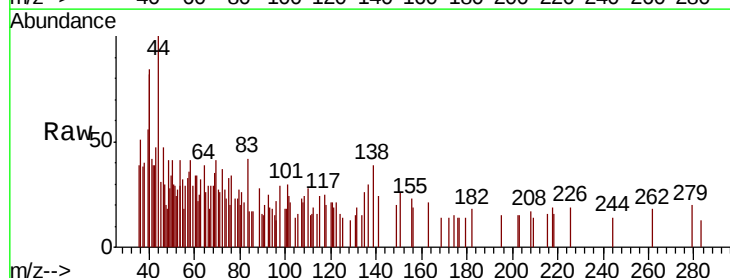
Tgt Ion: 88 Resp: 185

Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.0#

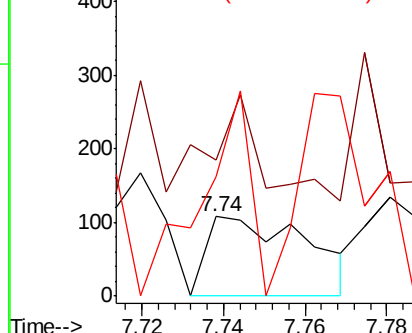
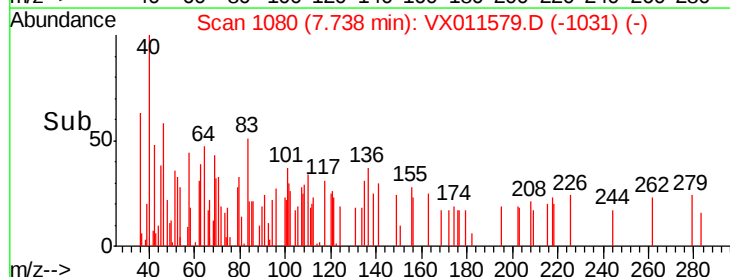
58 124.9 54.3 81.5#

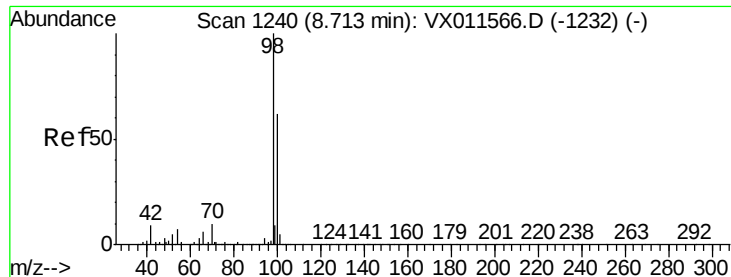


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 55.755 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011579.D

Acq: 16 Aug 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

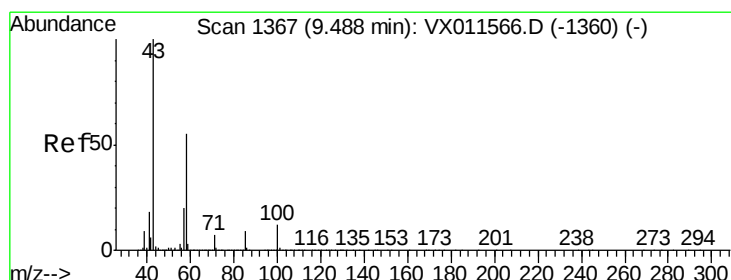
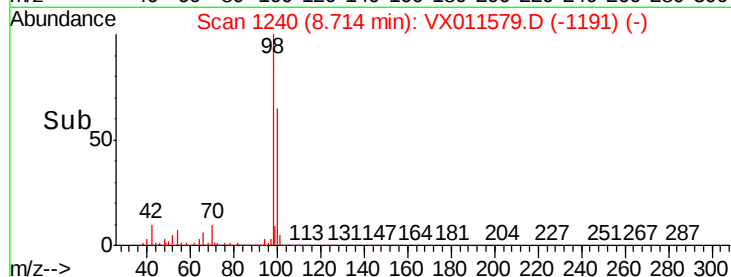
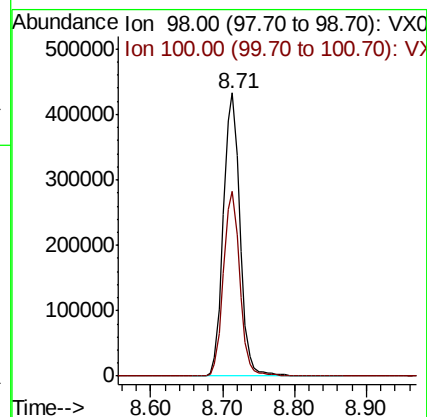
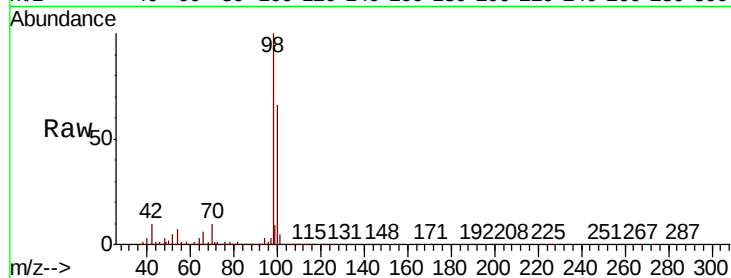
PH2-TB-2019-2

Tgt Ion: 98 Resp: 691474

Ion Ratio Lower Upper

98 100

100 64.6 52.4 78.6



#59

2-Hexanone

Concen: 0.235 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.10 min

Lab File: VX011579.D

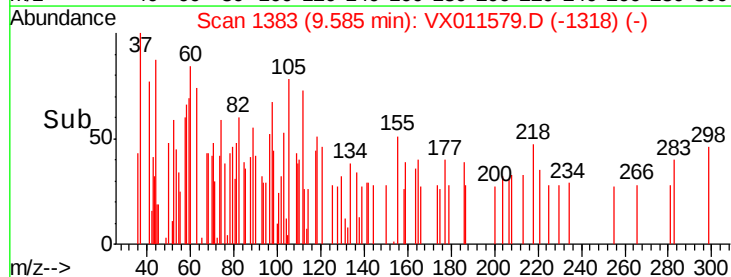
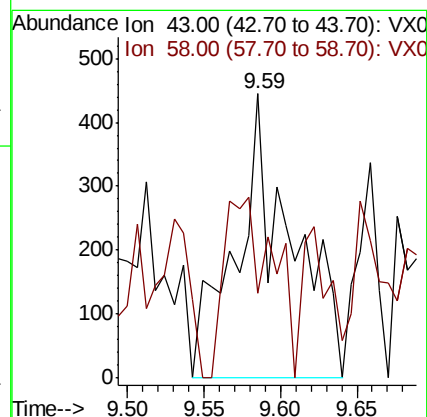
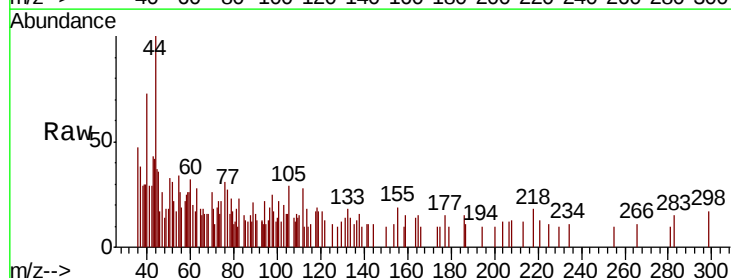
Acq: 16 Aug 2019 14:27

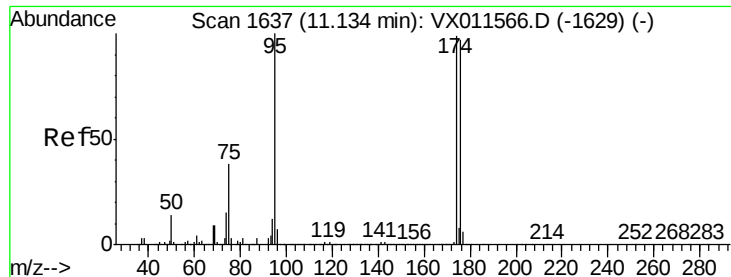
Tgt Ion: 43 Resp: 1108

Ion Ratio Lower Upper

43 100

58 55.8 27.5 82.4

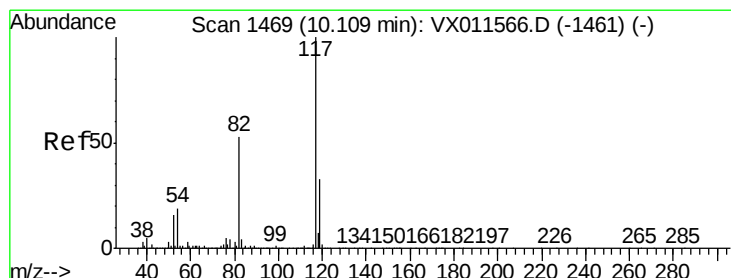
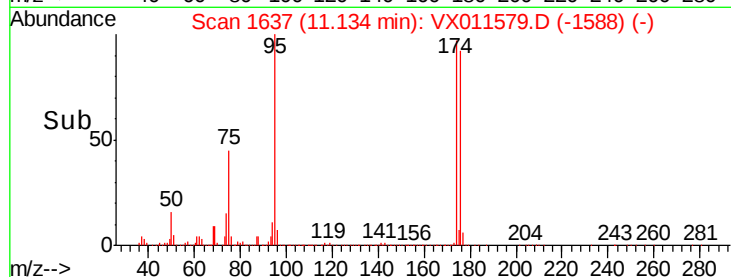
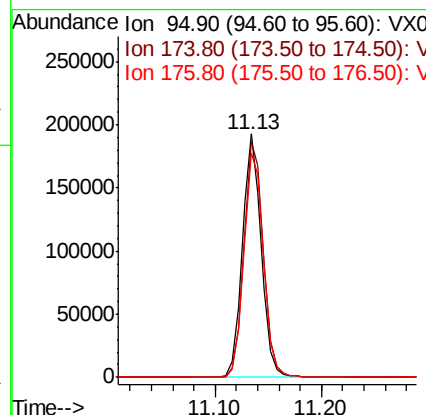
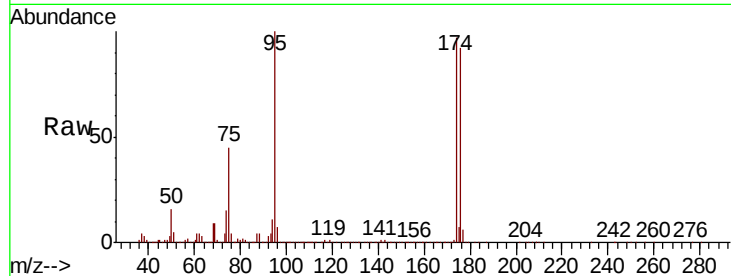




#62
4-Bromofluorobenzene
Concen: 45.506 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011579.D
Acq: 16 Aug 2019 14:27

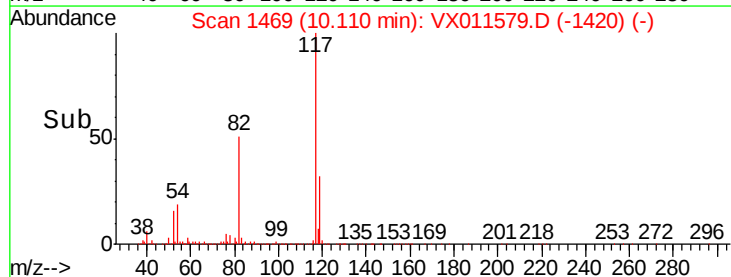
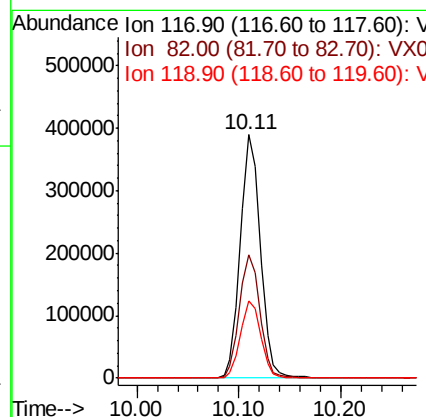
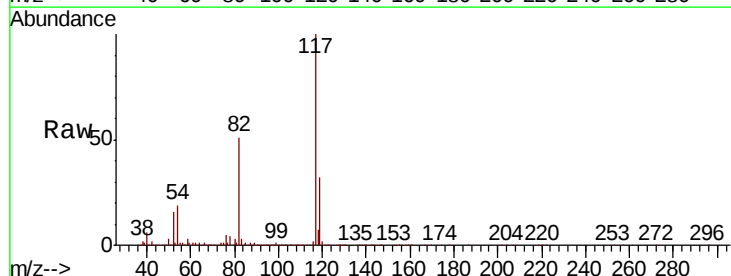
Instrument :
MSVOA_X
ClientSampleId :
PH2-TB-2019-2

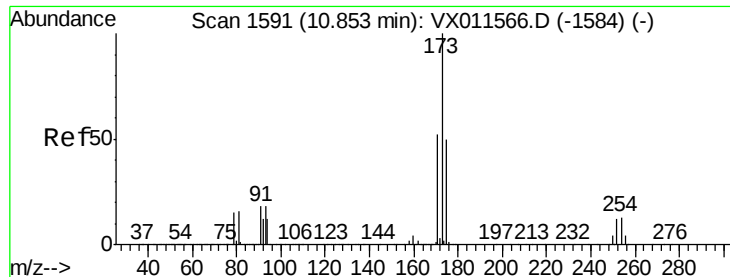
Tgt Ion	Ratio	Lower	Upper
95	100		
174	100.2	0.0	200.6
176	96.4	0.0	196.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011579.D
Acq: 16 Aug 2019 14:27

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.8	42.0	63.0
119	31.9	26.5	39.7





#71

Bromoform

Concen: 3.318 ug/l

RT: 10.77 min Scan# 1578

Delta R.T. -0.08 min

Lab File: VX011579.D

Acq: 16 Aug 2019 14:27

Instrument :

MSVOA_X

ClientSampled :

PH2-TB-2019-2

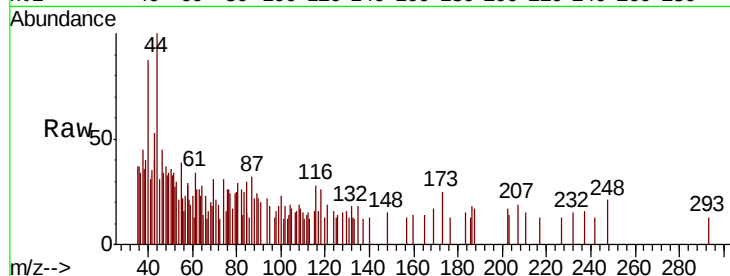
Tgt Ion:173 Resp: 114

Ion Ratio Lower Upper

173 100

175 0.0 24.9 74.7#

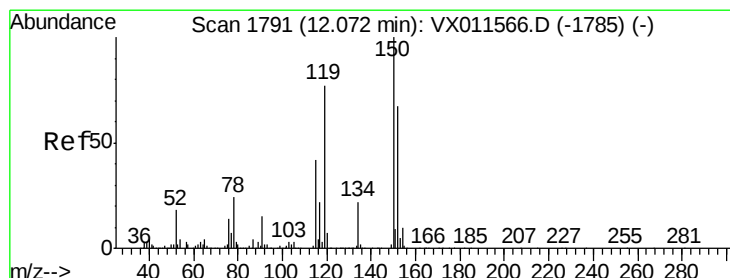
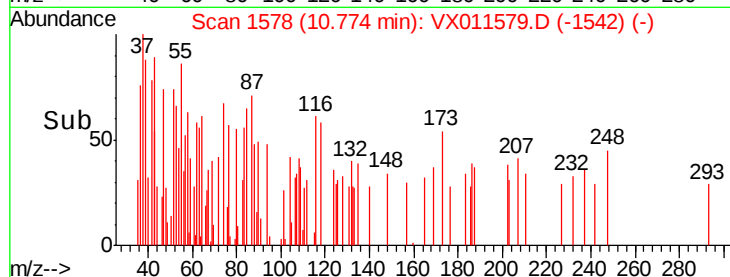
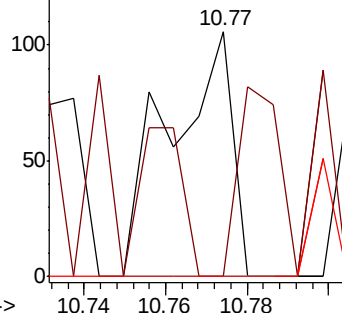
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX011579.D

Acq: 16 Aug 2019 14:27

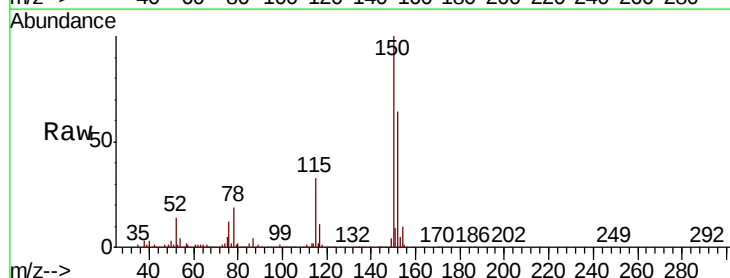
Tgt Ion:152 Resp: 261615

Ion Ratio Lower Upper

152 100

115 53.2 37.3 111.9

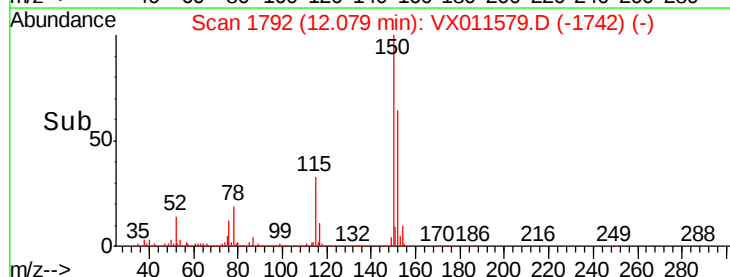
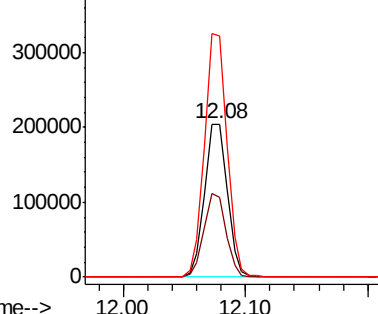
150 157.2 0.0 346.2

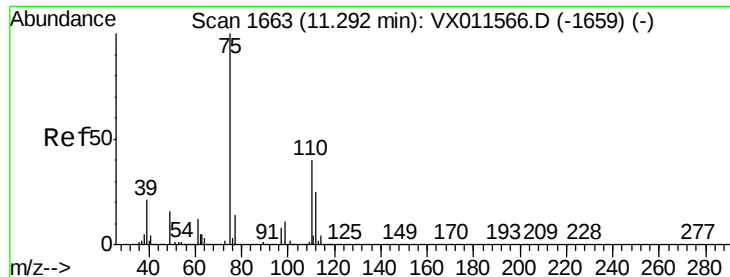


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.179 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011579.D

Acq: 16 Aug 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

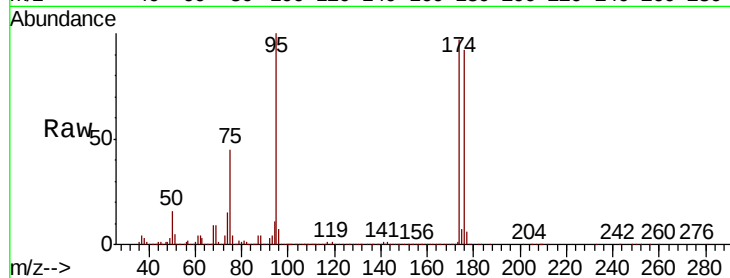
PH2-TB-2019-2

Tgt Ion: 75 Resp: 110028

Ion Ratio Lower Upper

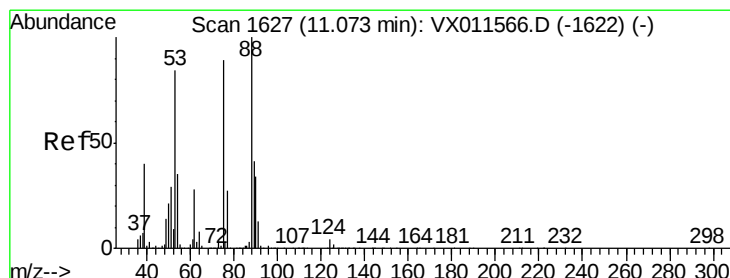
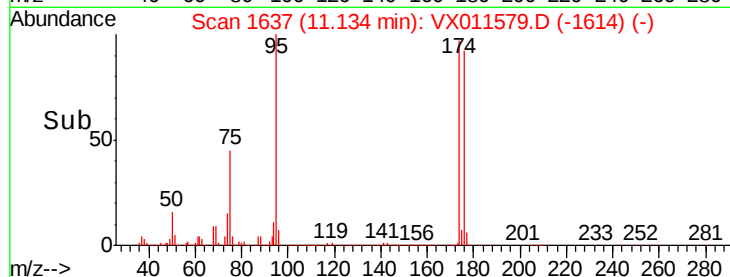
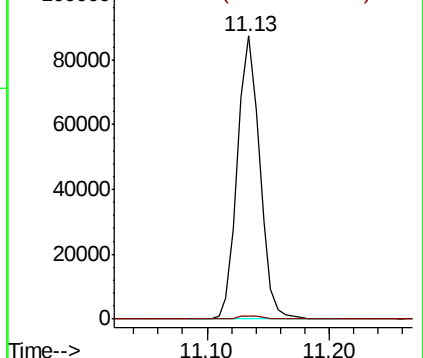
75 100

77 1.2 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 59.178 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011579.D

Acq: 16 Aug 2019 14:27

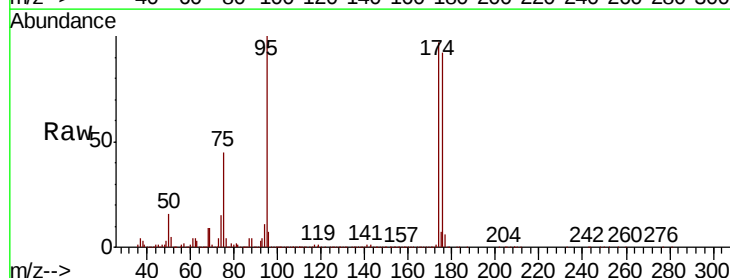
Tgt Ion: 75 Resp: 110028

Ion Ratio Lower Upper

75 100

53 0.1 77.4 116.0#

89 0.0 37.3 55.9#



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

