

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081619\
 Data File : VX011582.D
 Acq On : 16 Aug 2019 15:37
 Operator : JC/SP
 Sample : K4368-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0140

Quant Time: Aug 19 01:09:14 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	5.65	168	430381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	597462	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	532720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	269259	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	204916	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
35) Dibromofluoromethane	5.49	113	178121	45.58	ug/l	0.00
Spiked Amount			Recovery	=	91.16%	
50) Toluene-d8	8.71	98	678141	55.69	ug/l	0.00
Spiked Amount			Recovery	=	111.38%	
62) 4-Bromofluorobenzene	11.13	95	246140	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	

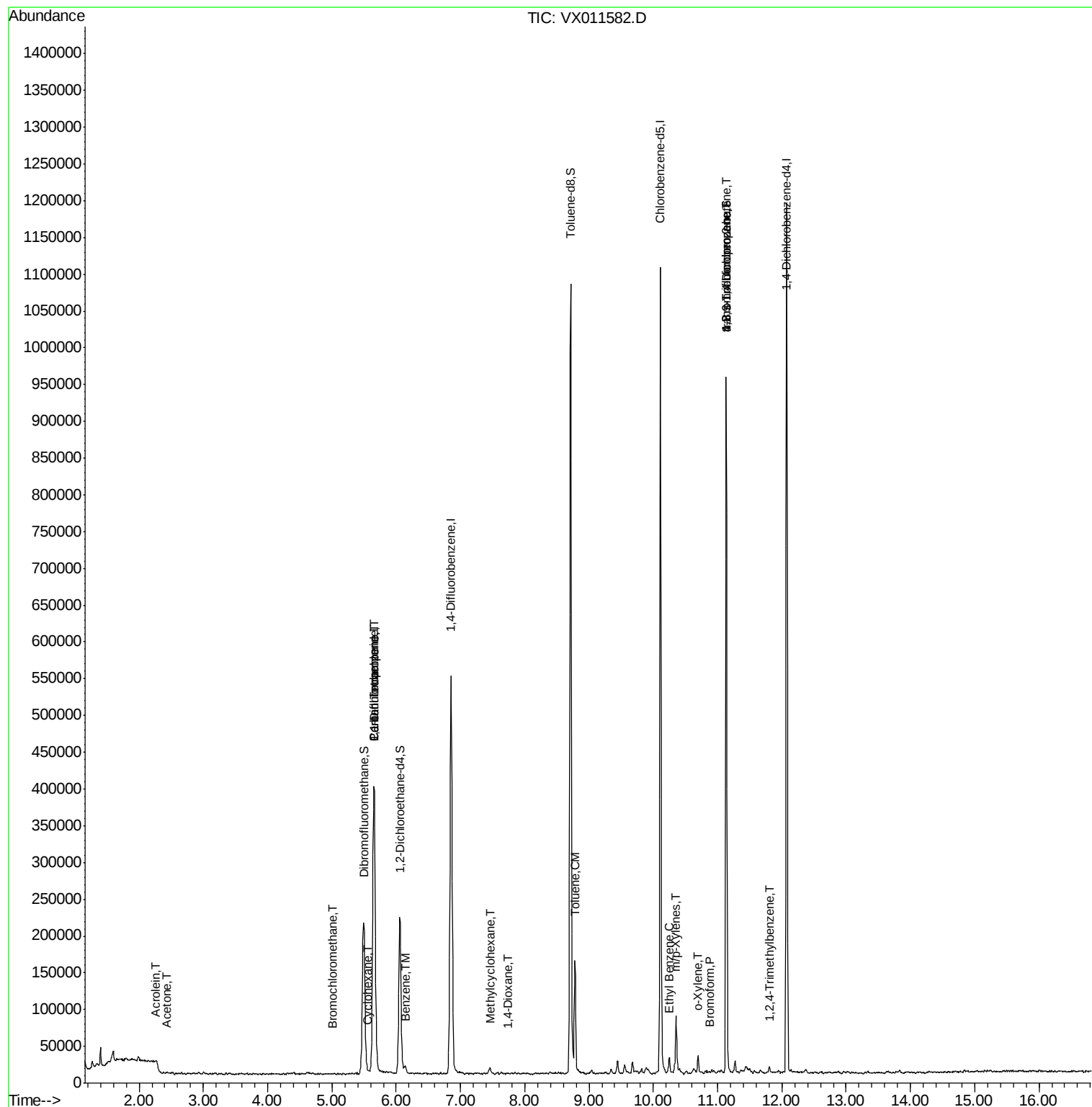
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.26	56	135	12.610	ug/l #	15
16) Acetone	2.44	43	2007	1.000	ug/l	92
28) Bromochloromethane	5.01	49	617	0.204	ug/l #	12
31) Cyclohexane	5.57	56	2016	0.341	ug/l	91
36) 1,1-Dichloropropene	5.66	75	24825	4.860	ug/l #	52
38) Carbon Tetrachloride	5.66	117	36250	6.441	ug/l #	15
39) Methylcyclohexane	7.46	83	3816	0.605	ug/l	94
40) Benzene	6.14	78	12251	0.772	ug/l	98
49) 1,4-Dioxane	7.73	88	182	1.507	ug/l #	1
52) Toluene	8.78	92	60015	5.934	ug/l	94
67) Ethyl Benzene	10.25	91	13147	0.693	ug/l	99
68) m/p-Xylenes	10.35	106	19556	2.687	ug/l	96
69) o-Xylene	10.69	106	6465	0.907	ug/l	82
71) Bromoform	10.87	173	137	3.323	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	113489	22.228	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	113489	59.297	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.80	105	4157	0.282	ug/l	91

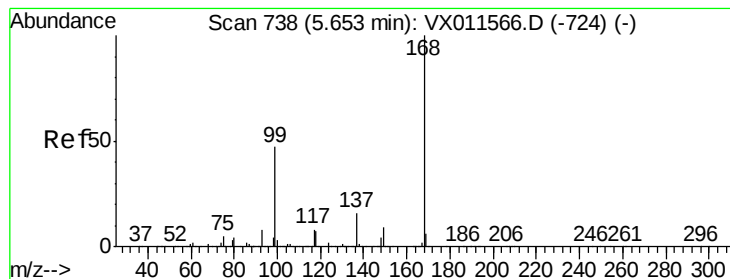
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX081619\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011582.D

Acq: 16 Aug 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

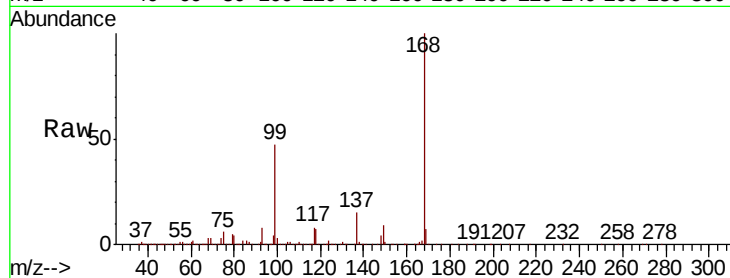
PH2-0140

Tgt Ion:168 Resp: 430381

Ion Ratio Lower Upper

168 100

99 46.5 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

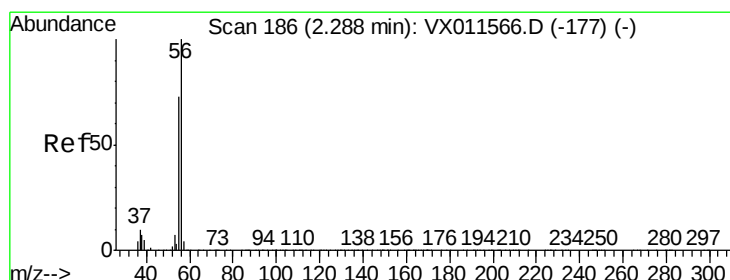
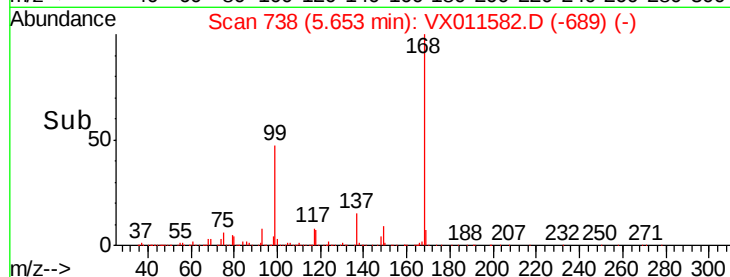
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#13

Acrolein

Concen: 12.610 ug/l

RT: 2.26 min Scan# 182

Delta R.T. -0.02 min

Lab File: VX011582.D

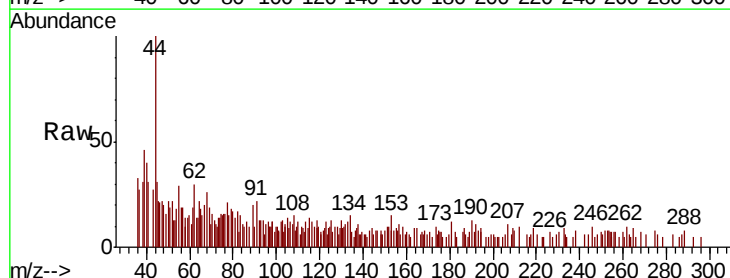
Acq: 16 Aug 2019 15:37

Tgt Ion: 56 Resp: 135

Ion Ratio Lower Upper

56 100

55 0.0 55.5 83.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.26

500

400

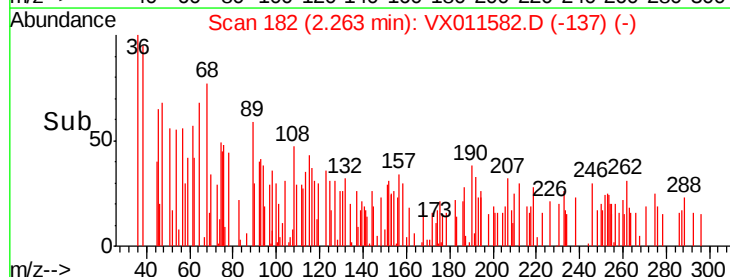
300

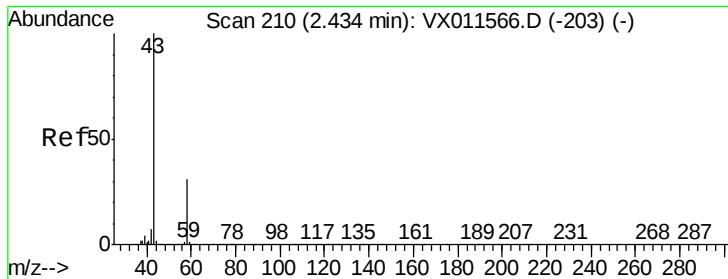
200

100

0

Time--> 2.24 2.26 2.28

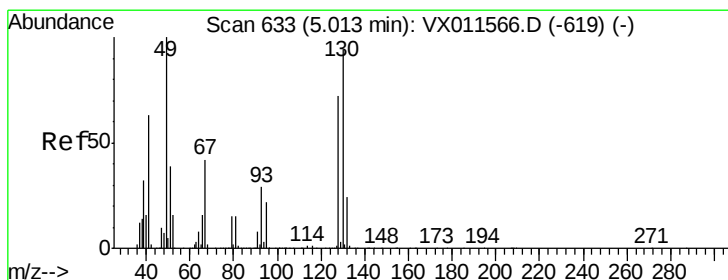
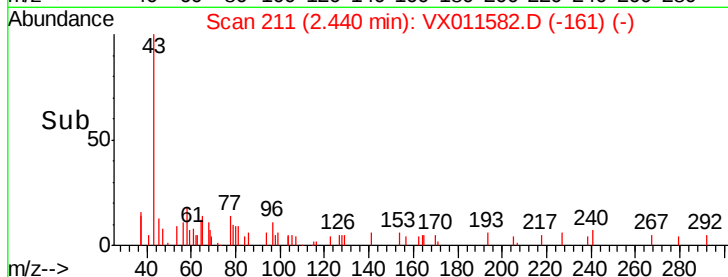
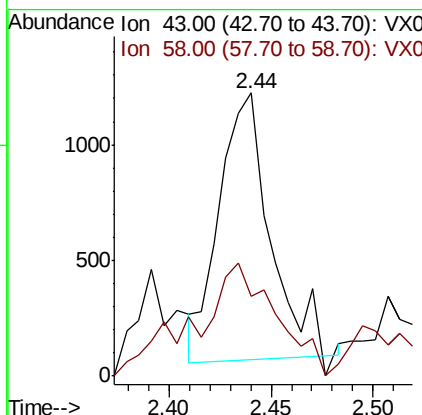
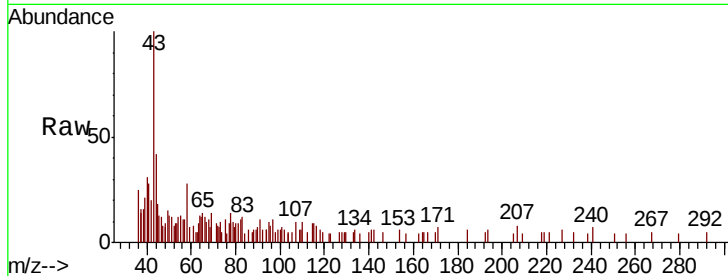




#16
Acetone
Concen: 1.000 ug/l
RT: 2.44 min Scan# 211
Delta R.T. 0.01 min
Lab File: VX011582.D
Acq: 16 Aug 2019 15:37

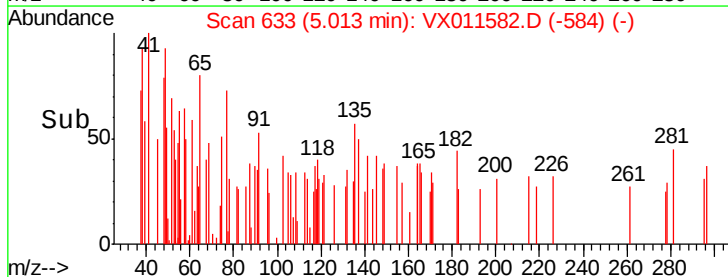
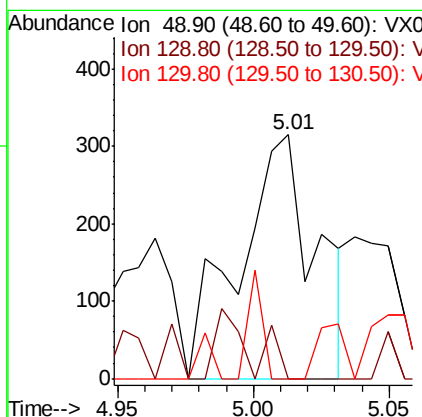
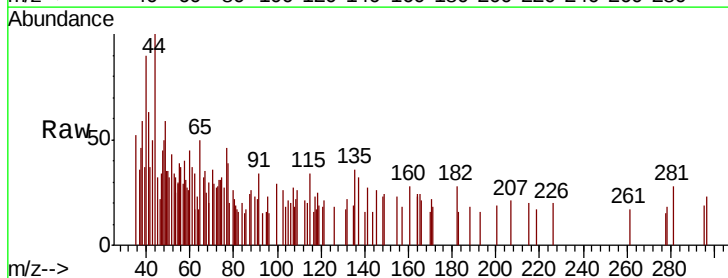
Instrument :
MSVOA_X
ClientSampled :
PH2-0140

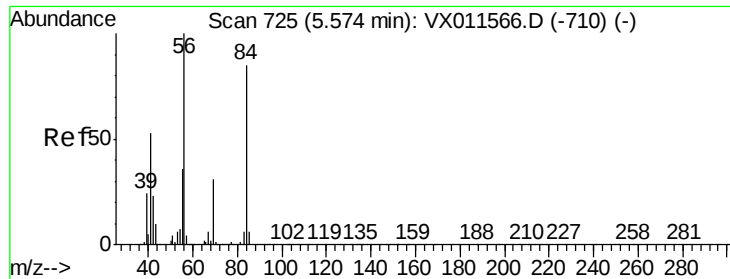
Tgt Ion: 43 Resp: 2007
Ion Ratio Lower Upper
43 100
58 27.3 25.2 37.8



#28
Bromochloromethane
Concen: 0.204 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX011582.D
Acq: 16 Aug 2019 15:37

Tgt Ion: 49 Resp: 617
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.0
130 8.3 76.6 115.0#

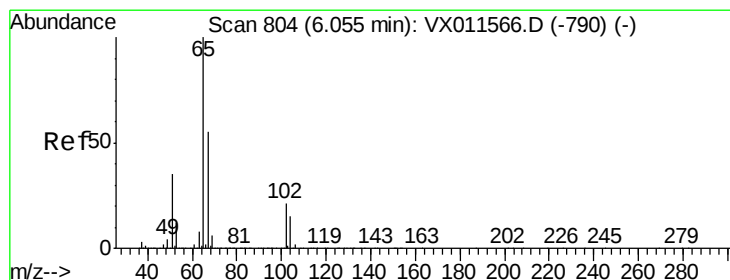
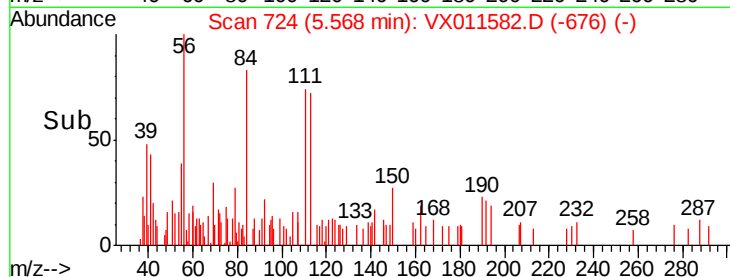
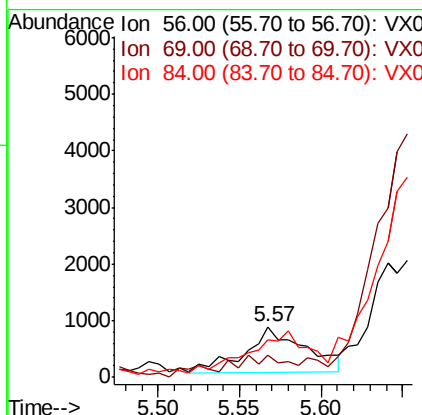
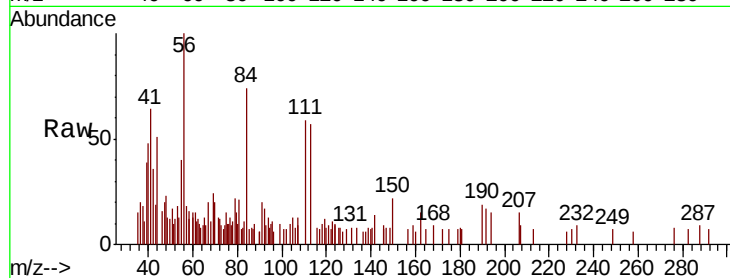




#31
Cyclohexane
Concen: 0.341 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX011582.D
Acq: 16 Aug 2019 15:37

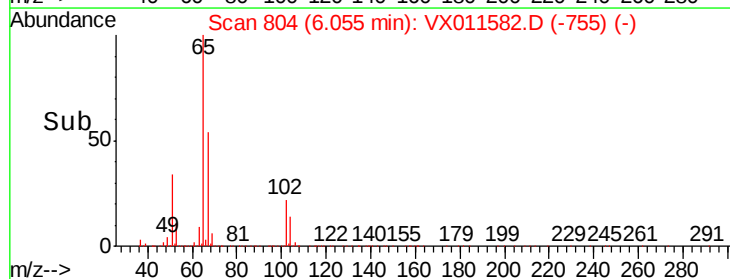
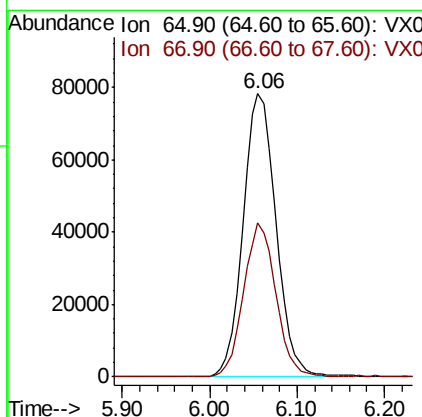
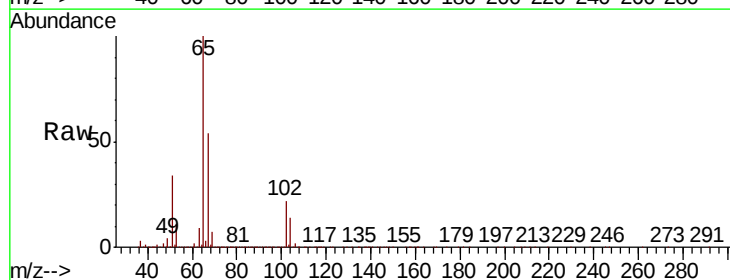
Instrument :
MSVOA_X
ClientSampleId :
PH2-0140

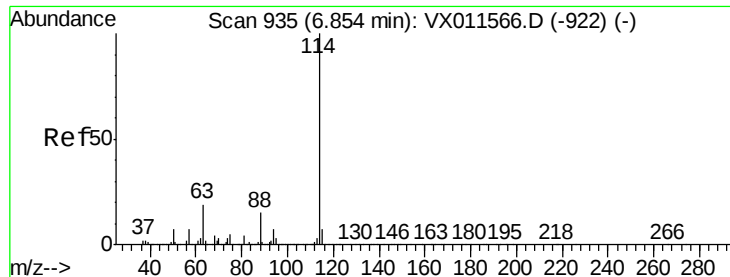
Tgt Ion: 56 Resp: 2016
Ion Ratio Lower Upper
56 100
69 32.1 24.8 37.2
84 74.3 67.9 101.9



#33
1,2-Dichloroethane-d4
Concen: 51.342 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011582.D
Acq: 16 Aug 2019 15:37

Tgt Ion: 65 Resp: 204916
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011582.D

Acq: 16 Aug 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

PH2-0140

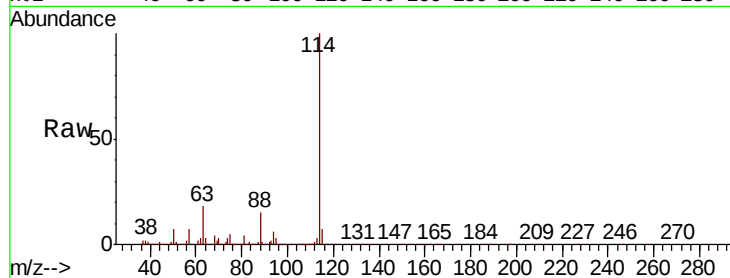
Tgt Ion:114 Resp: 597462

Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.8

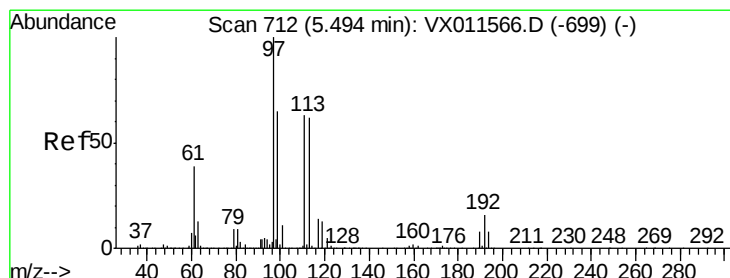
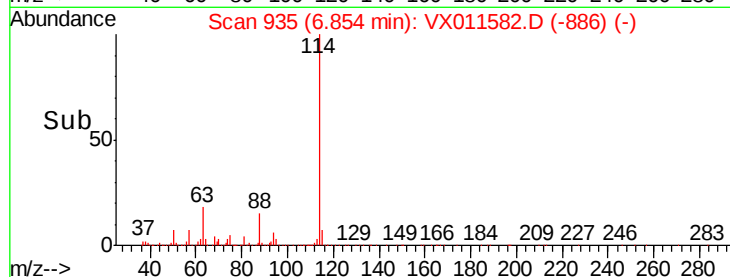
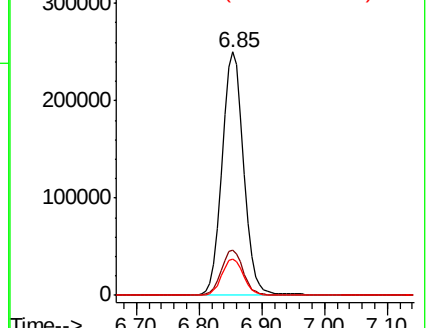
88 14.8 0.0 30.2



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: 45.581 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011582.D

Acq: 16 Aug 2019 15:37

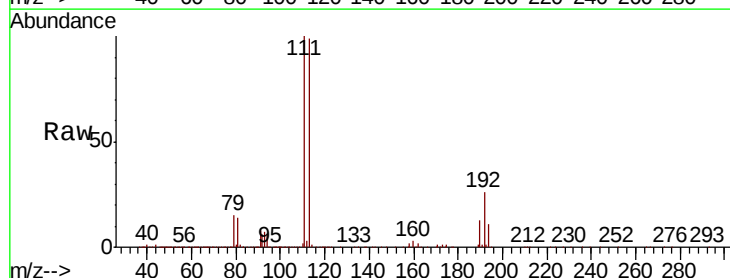
Tgt Ion:113 Resp: 178121

Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

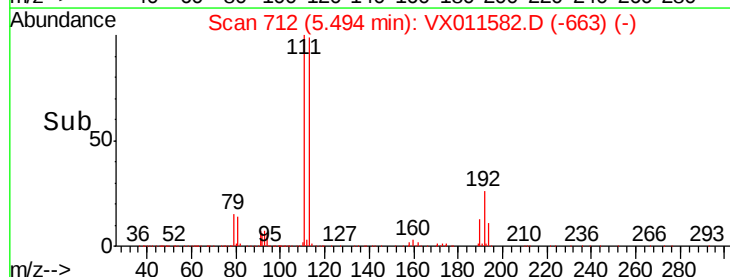
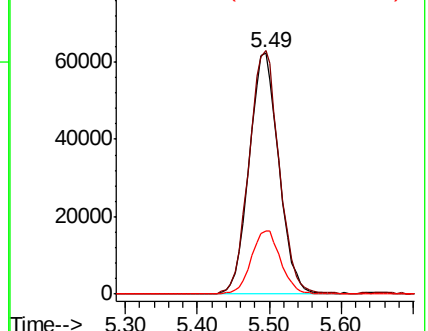
192 26.1 20.8 31.2

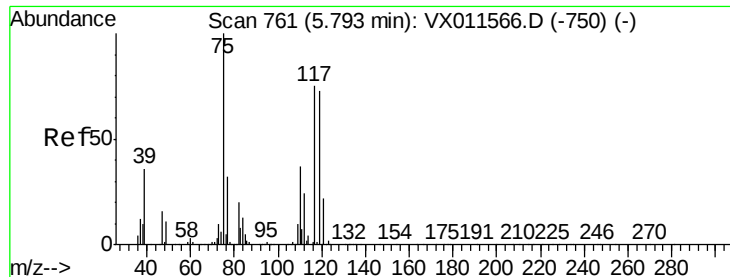


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.860 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011582.D

Acq: 16 Aug 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

PH2-0140

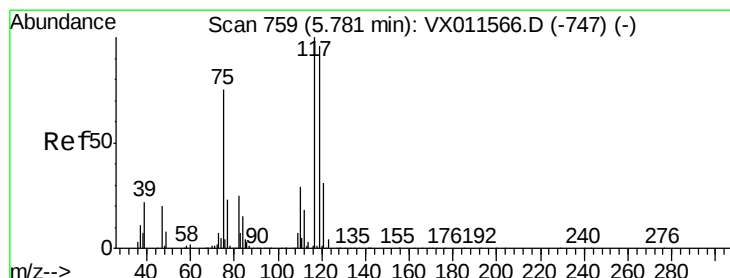
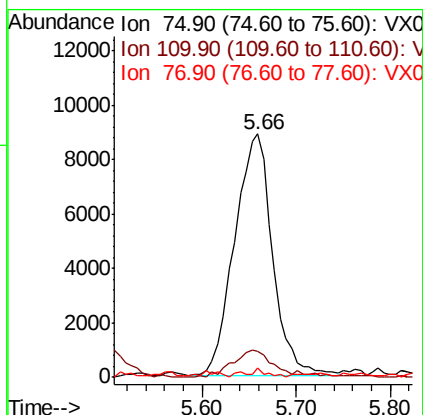
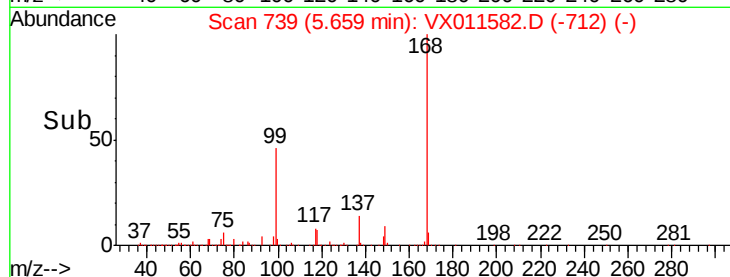
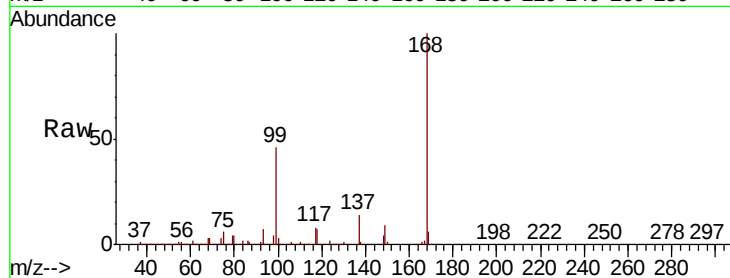
Tgt Ion: 75 Resp: 24825

Ion Ratio Lower Upper

75 100

110 12.3 19.4 58.1#

77 1.2 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.441 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011582.D

Acq: 16 Aug 2019 15:37

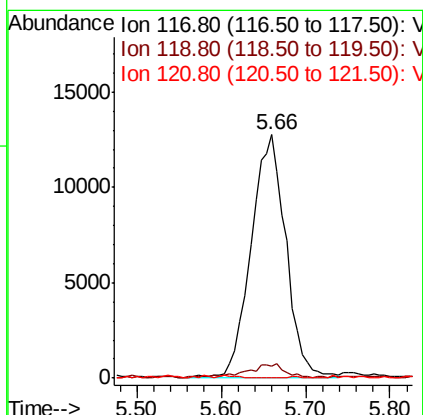
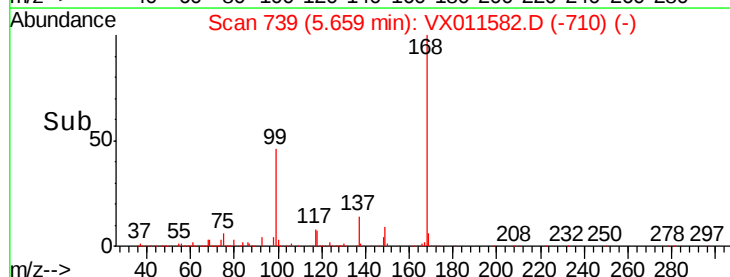
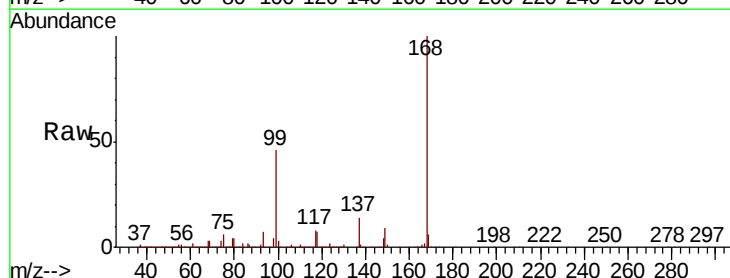
Tgt Ion: 117 Resp: 36250

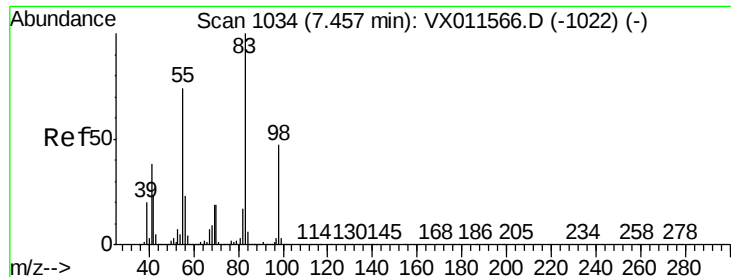
Ion Ratio Lower Upper

117 100

119 4.0 76.9 115.3#

121 0.0 24.8 37.2#

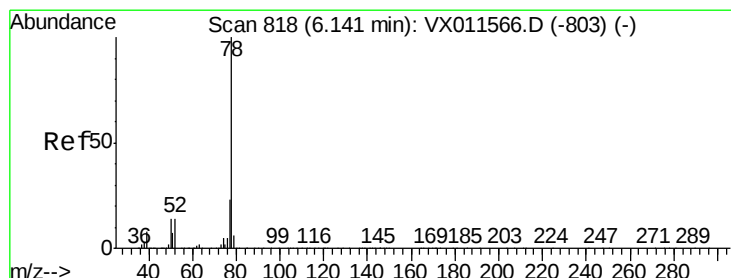
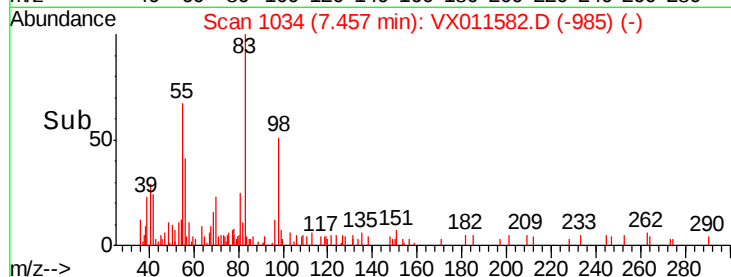
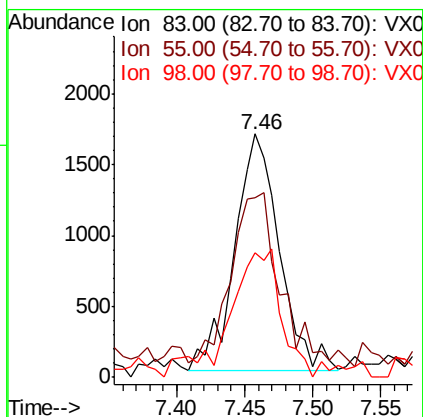
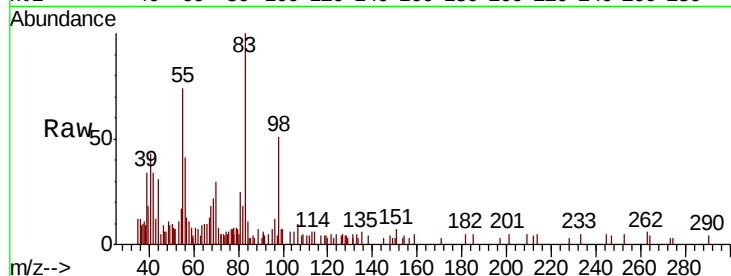




#39
Methylcyclohexane
Concen: 0.605 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011582.D
Acq: 16 Aug 2019 15:37

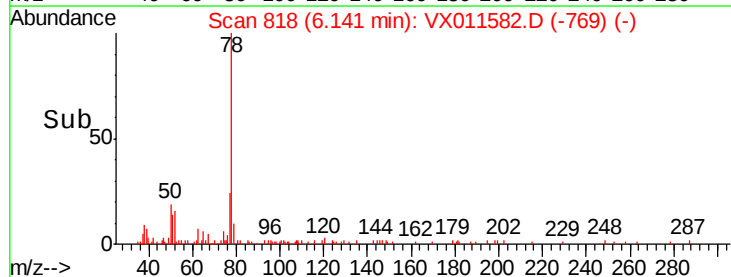
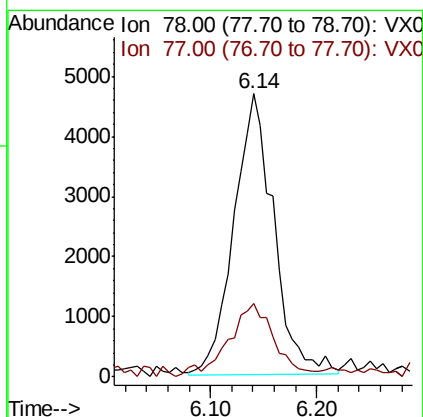
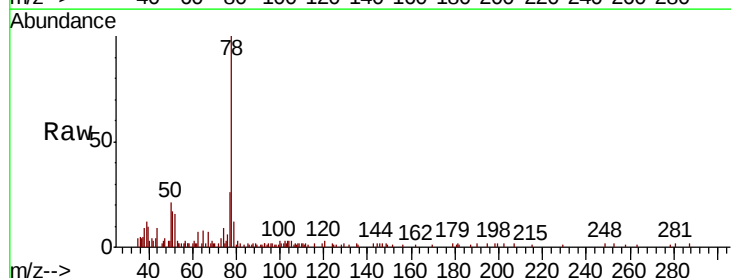
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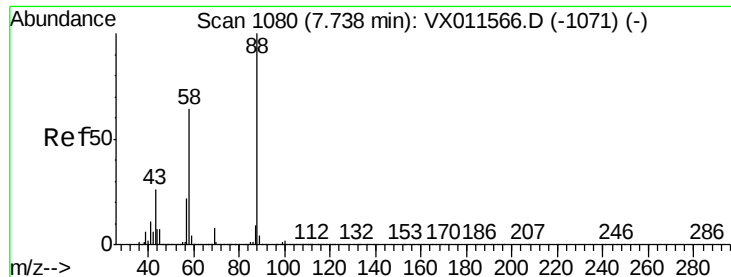
Tgt Ion: 83 Resp: 3816
Ion Ratio Lower Upper
83 100
55 67.0 58.8 88.2
98 49.6 37.8 56.6



#40
Benzene
Concen: 0.772 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX011582.D
Acq: 16 Aug 2019 15:37

Tgt Ion: 78 Resp: 12251
Ion Ratio Lower Upper
78 100
77 24.1 18.6 28.0

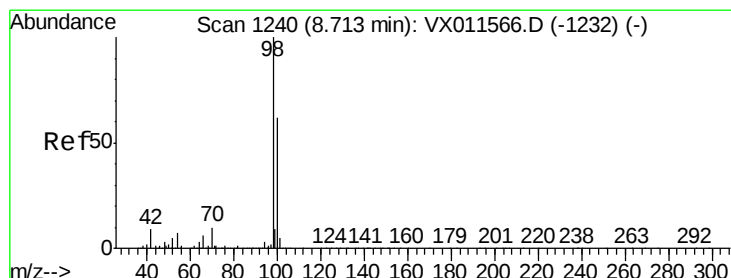
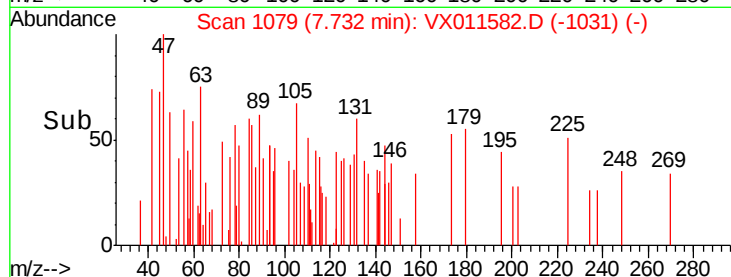
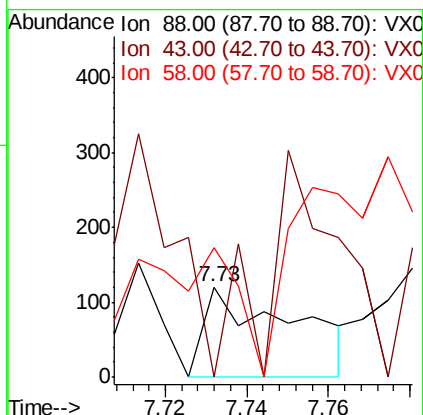
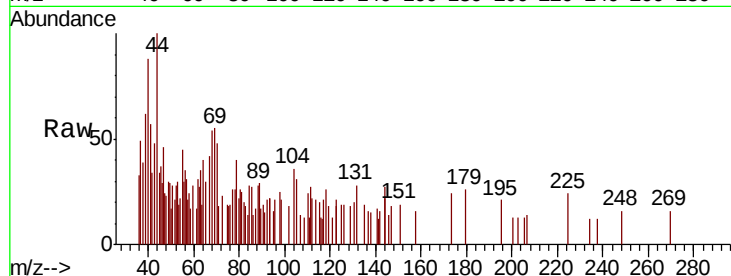




#49
1,4-Dioxane
Concen: 1.507 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011582.D
Acq: 16 Aug 2019 15:37

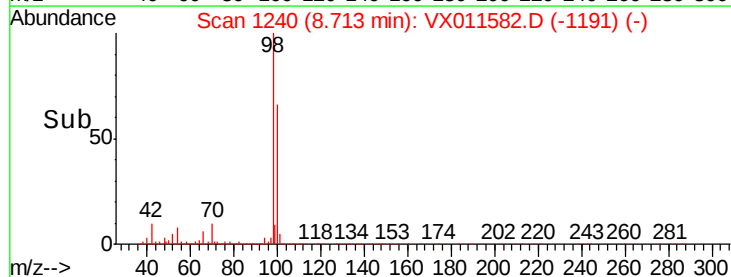
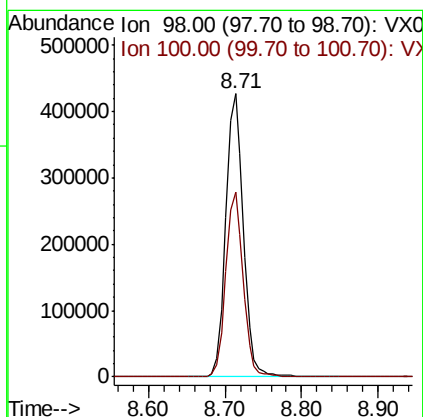
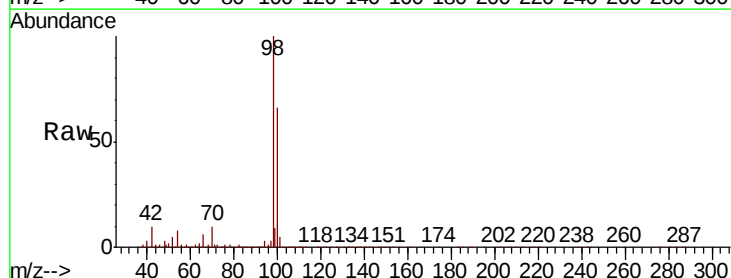
Instrument :
MSVOA_X
ClientSampled :
PH2-0140

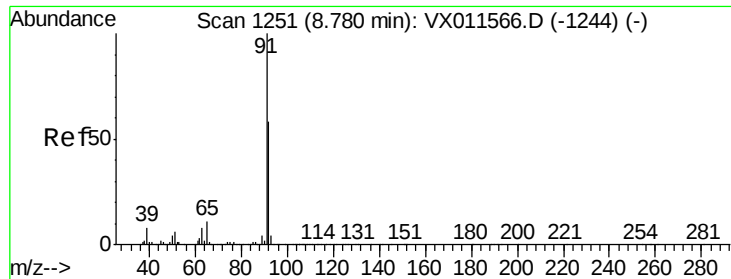
Tgt Ion: 88 Resp: 182
Ion Ratio Lower Upper
88 100
43 203.3 23.4 35.0#
58 142.3 54.3 81.5#



#50
Toluene-d8
Concen: 55.694 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011582.D
Acq: 16 Aug 2019 15:37

Tgt Ion: 98 Resp: 678141
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6





#52

Toluene

Concen: 5.934 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011582.D

Acq: 16 Aug 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

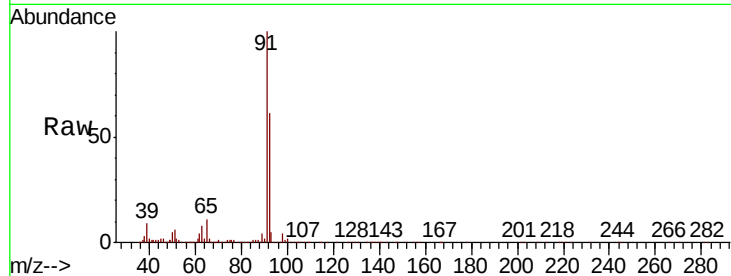
PH2-0140

Tgt Ion: 92 Resp: 60015

Ion Ratio Lower Upper

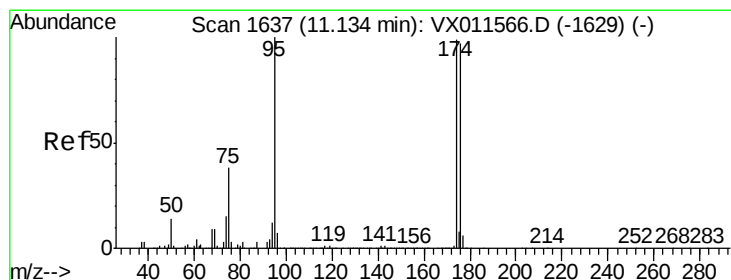
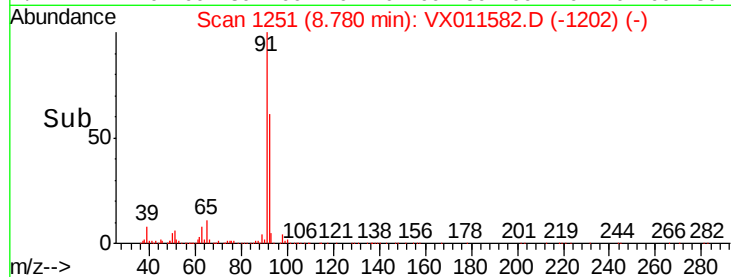
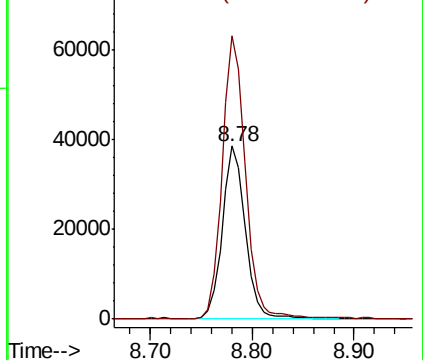
92 100

91 164.4 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.893 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011582.D

Acq: 16 Aug 2019 15:37

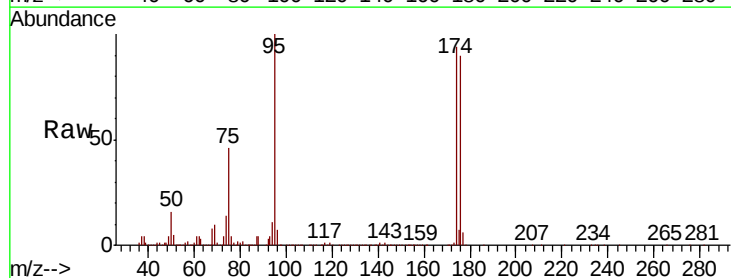
Tgt Ion: 95 Resp: 246140

Ion Ratio Lower Upper

95 100

174 96.9 0.0 200.6

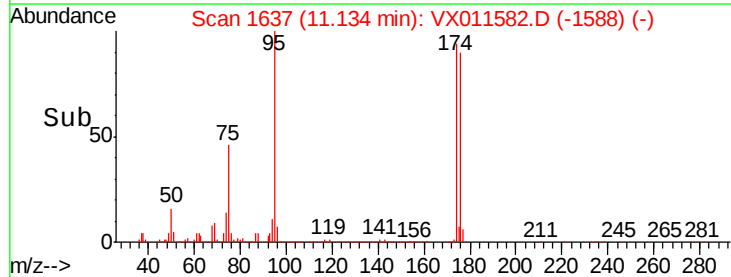
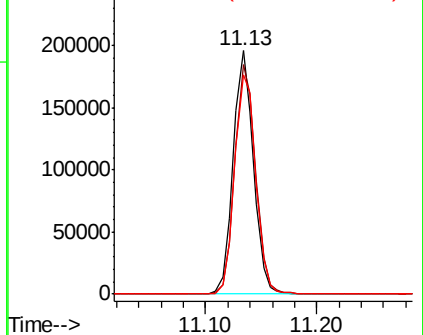
176 94.7 0.0 196.6

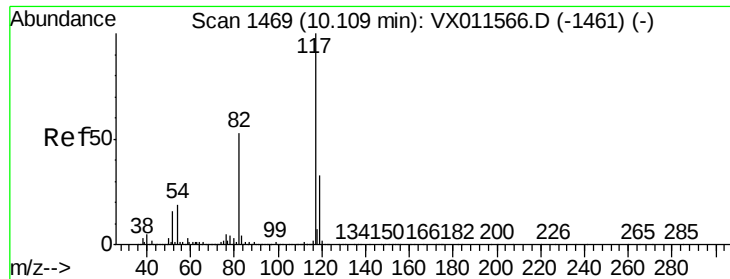


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

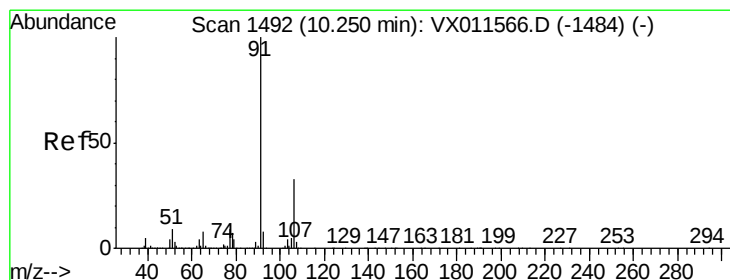
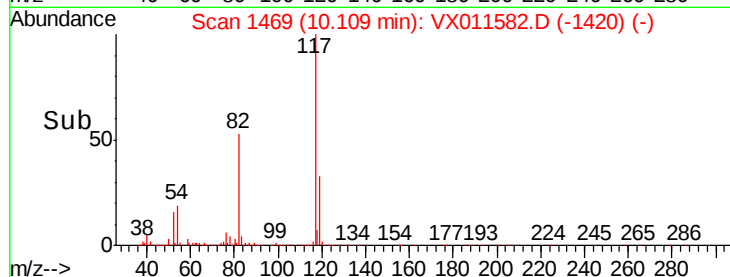
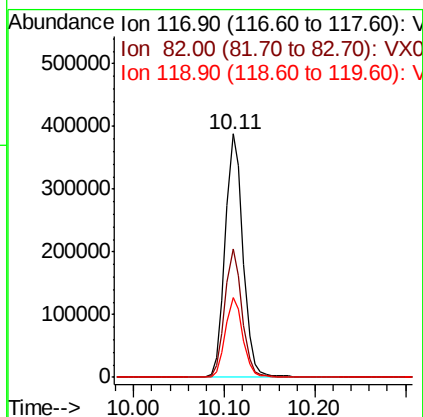
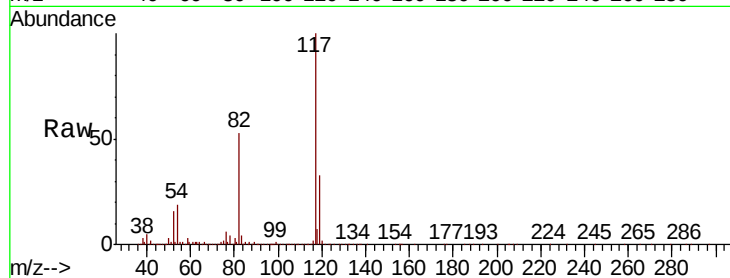




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011582.D
Acq: 16 Aug 2019 15:37

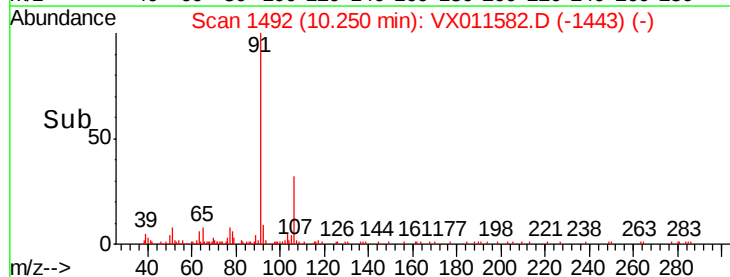
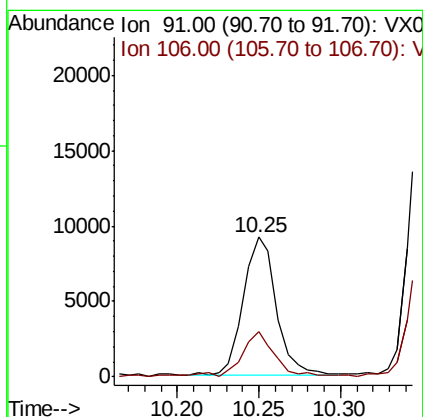
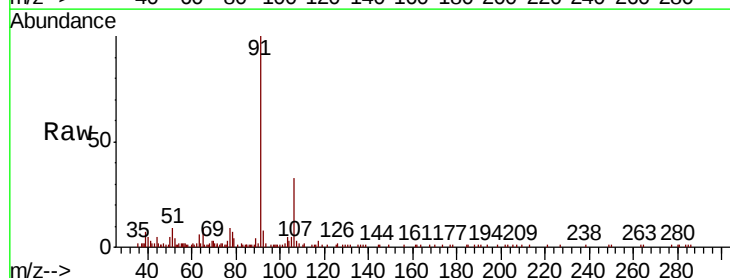
Instrument :
MSVOA_X
ClientSampleId :
PH2-0140

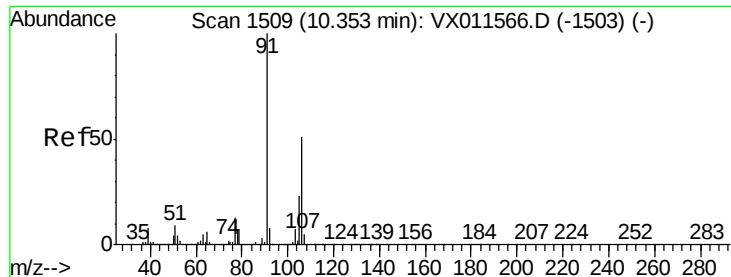
Tgt Ion:117 Resp: 532720
Ion Ratio Lower Upper
117 100
82 52.6 42.0 63.0
119 32.6 26.5 39.7



#67
Ethyl Benzene
Concen: 0.693 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011582.D
Acq: 16 Aug 2019 15:37

Tgt Ion: 91 Resp: 13147
Ion Ratio Lower Upper
91 100
106 32.0 26.0 39.0

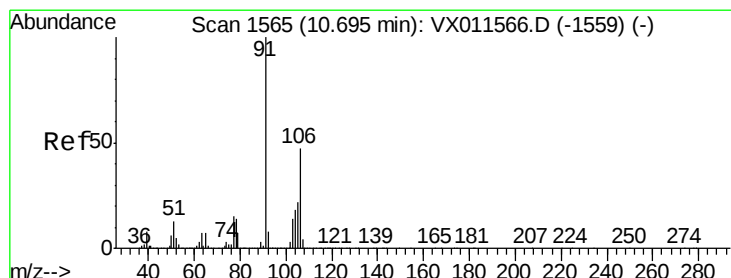
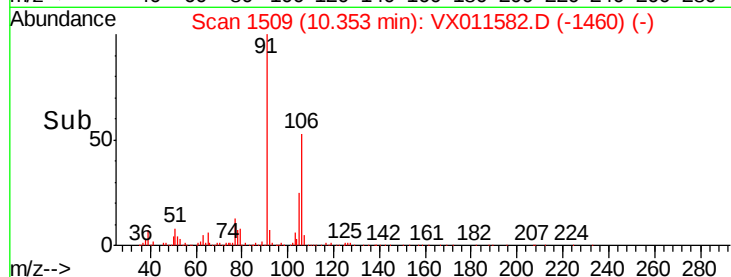
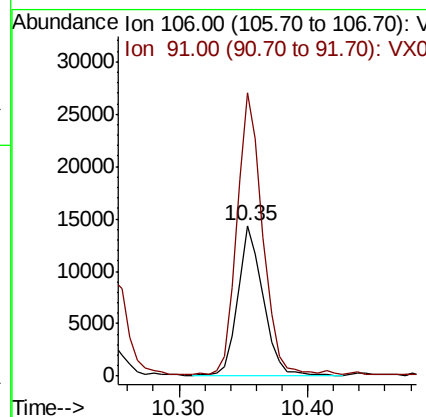
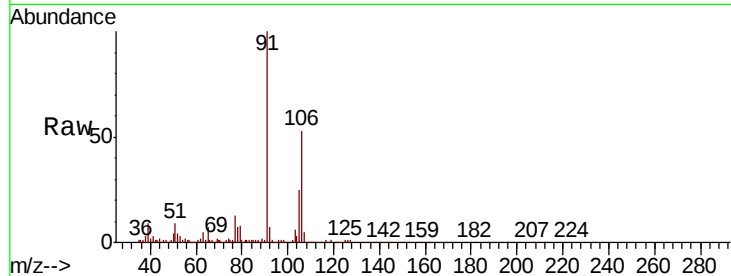




#68
m/p-Xylenes
Concen: 2.687 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011582.D
Acq: 16 Aug 2019 15:37

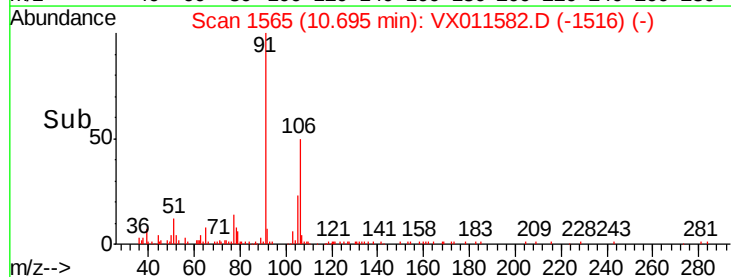
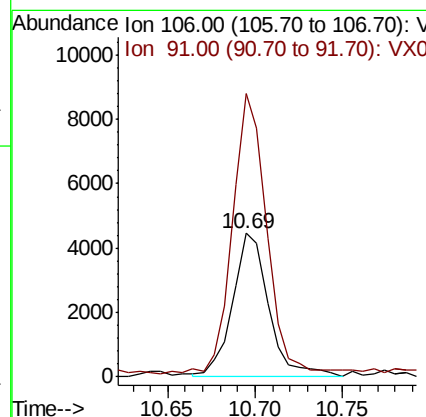
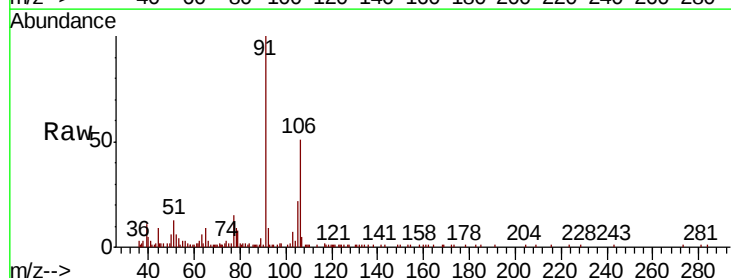
Instrument :
MSVOA_X
ClientSampleId :
PH2-0140

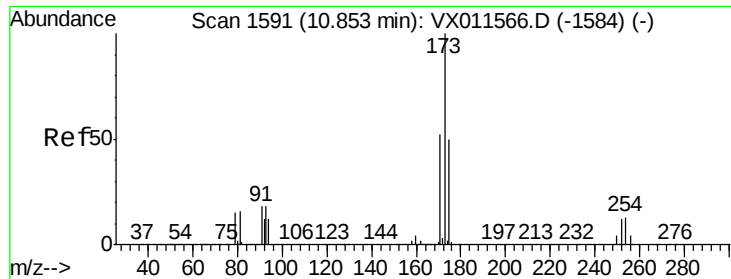
Tgt Ion:106 Resp: 19556
Ion Ratio Lower Upper
106 100
91 189.6 156.0 234.0



#69
o-Xylene
Concen: 0.907 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011582.D
Acq: 16 Aug 2019 15:37

Tgt Ion:106 Resp: 6465
Ion Ratio Lower Upper
106 100
91 182.7 105.5 316.4

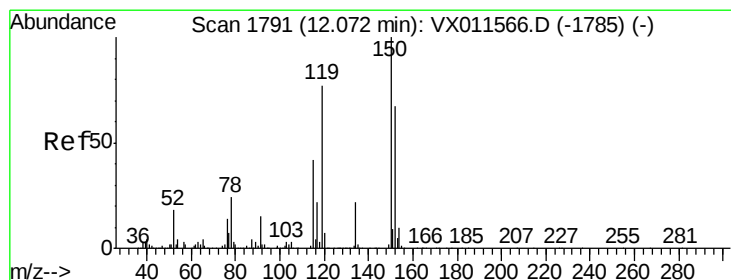
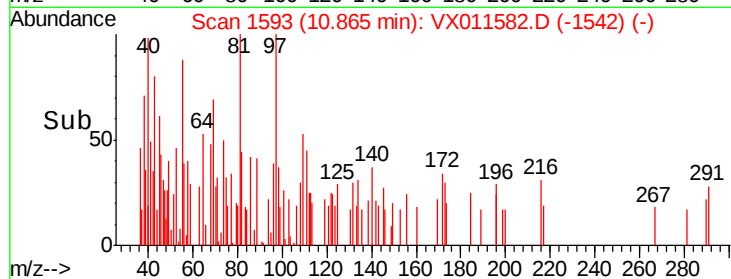
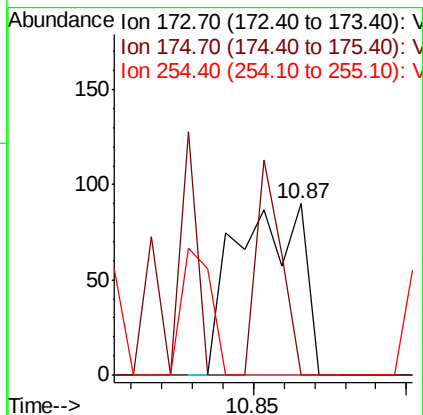
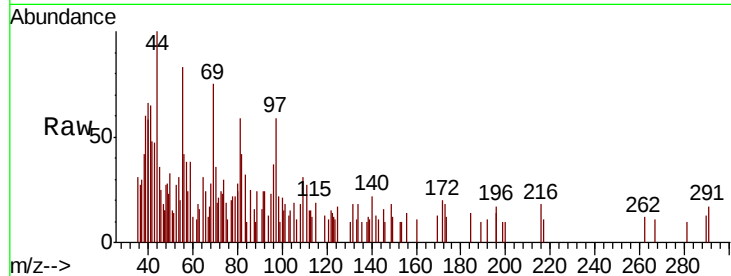




#71
Bromoform
Concen: 3.323 ug/l
RT: 10.87 min Scan# 1593
Delta R.T. 0.01 min
Lab File: VX011582.D
Acq: 16 Aug 2019 15:37

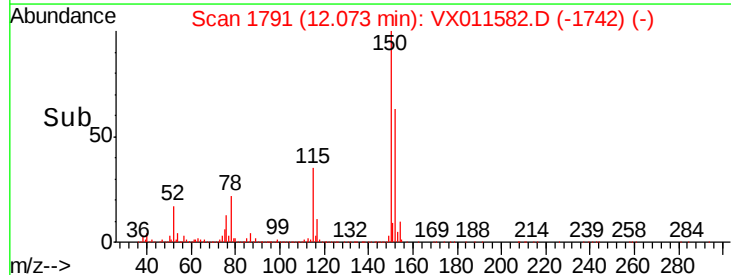
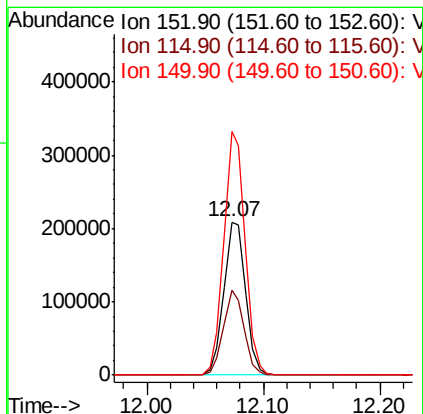
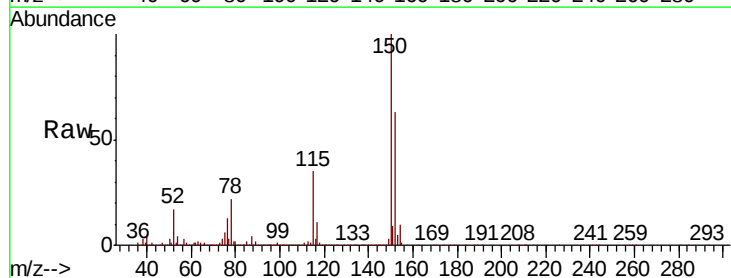
Instrument :
MSVOA_X
ClientSampleId :
PH2-0140

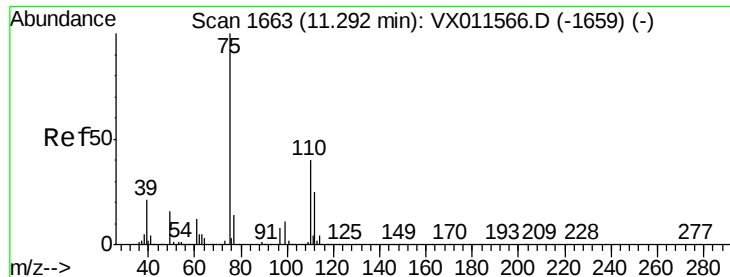
Tgt Ion:173 Resp: 137
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011582.D
Acq: 16 Aug 2019 15:37

Tgt Ion:152 Resp: 269259
Ion Ratio Lower Upper
152 100
115 52.7 37.3 111.9
150 155.5 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 22.228 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011582.D

Acq: 16 Aug 2019 15:37

Instrument :

MSVOA_X

ClientSampled :

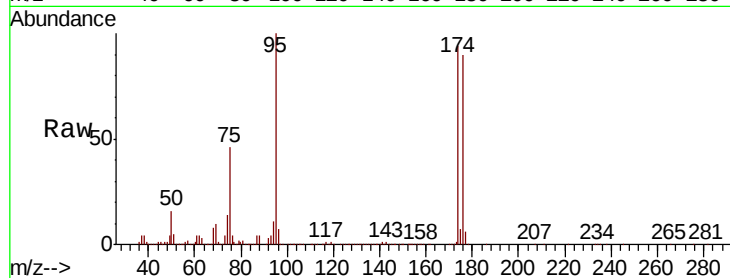
PH2-0140

Tgt Ion: 75 Resp: 113489

Ion Ratio Lower Upper

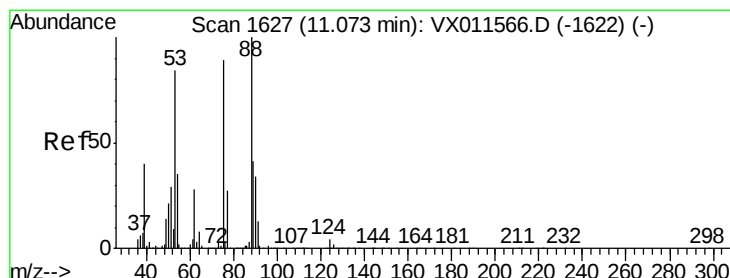
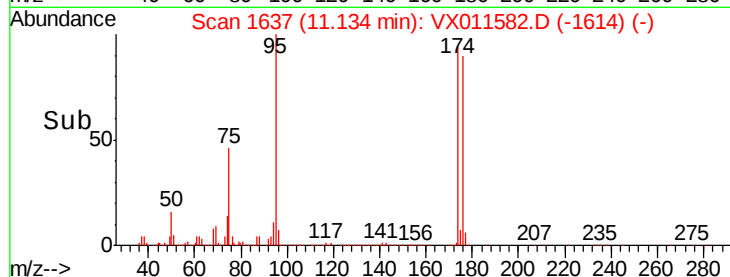
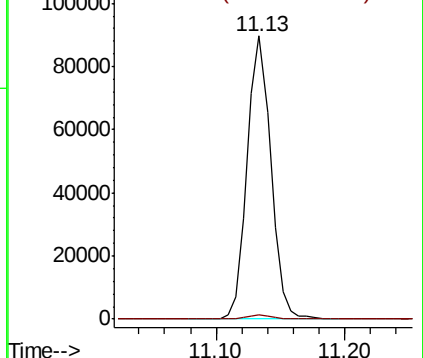
75 100

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: 59.297 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011582.D

Acq: 16 Aug 2019 15:37

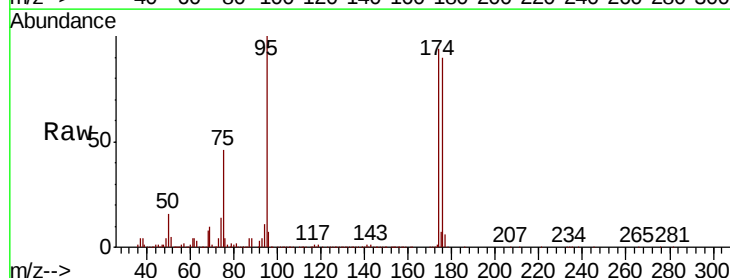
Tgt Ion: 75 Resp: 113489

Ion Ratio Lower Upper

75 100

53 0.3 77.4 116.0#

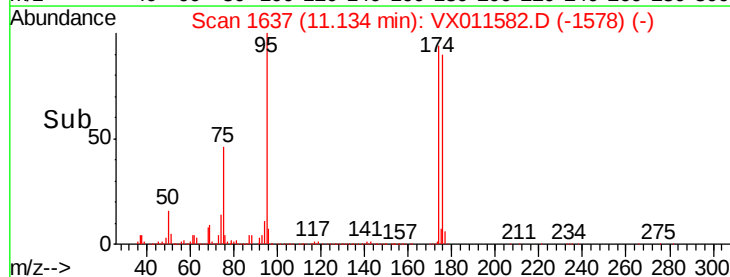
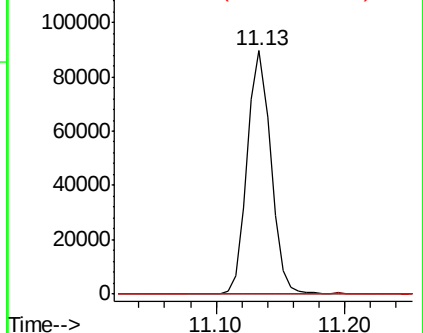
89 0.0 37.3 55.9#

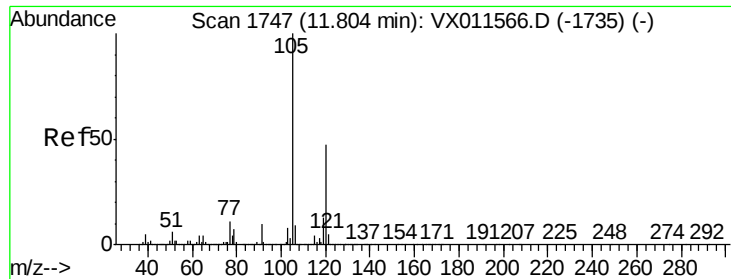


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#84
 1,2,4-Trimethylbenzene
 Concen: 0.282 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011582.D
 Acq: 16 Aug 2019 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0140

Tgt Ion:105 Resp: 4157
 Ion Ratio Lower Upper
 105 100
 120 52.6 23.3 69.9

