

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081919\
 Data File : VX011633.D
 Acq On : 19 Aug 2019 15:42
 Operator : JC/SP
 Sample : K4351-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-ER-2019-1

Quant Time: Aug 20 09:39:57 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	443514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	602977	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	529640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	266487	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	205697	50.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.02%	
35) Dibromofluoromethane	5.49	113	179061	45.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.80%	
50) Toluene-d8	8.71	98	680892	55.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.82%	
62) 4-Bromofluorobenzene	11.13	95	239993	46.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.54%	

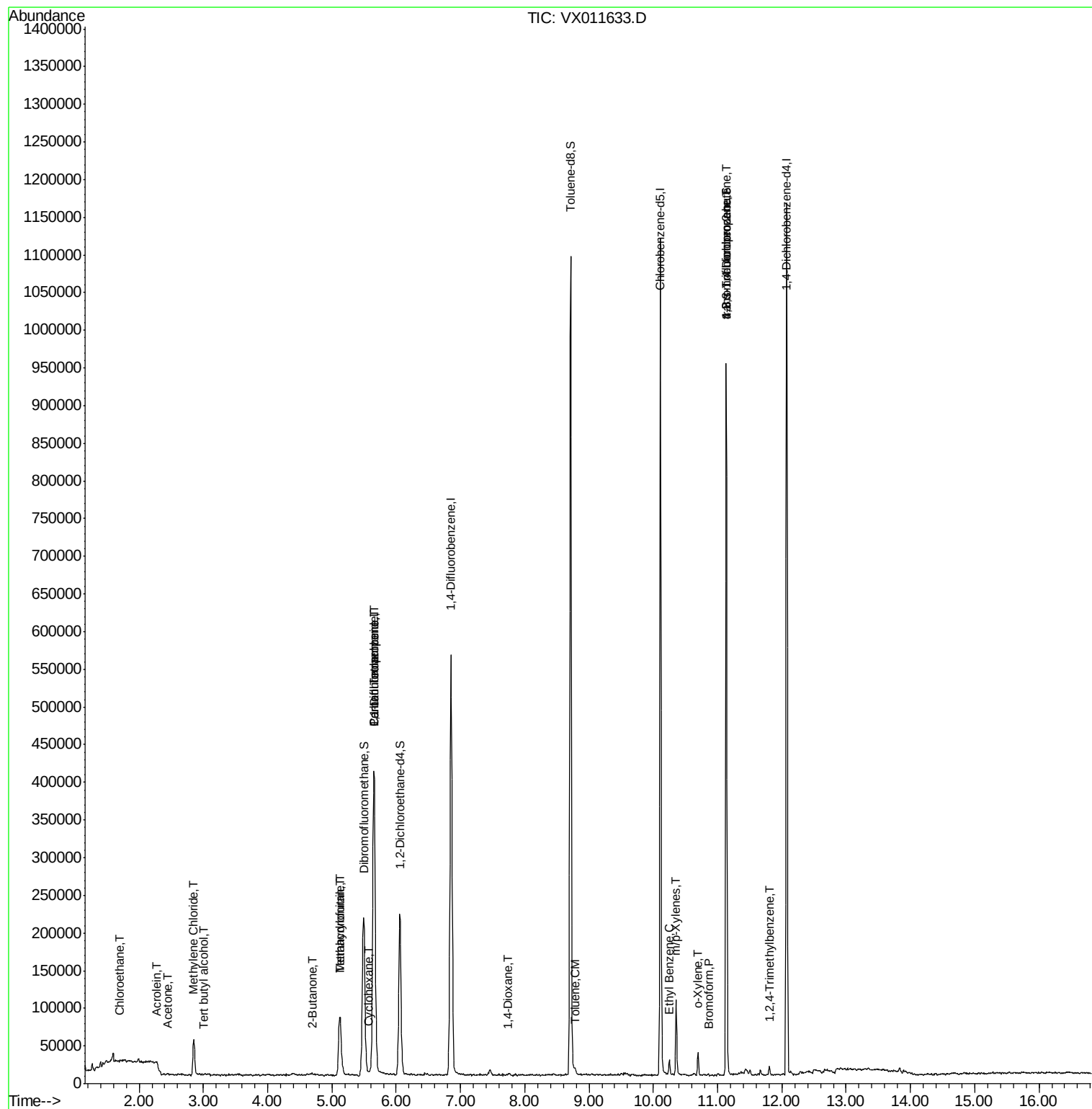
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	407	0.210	ug/l #	43
11) Tert butyl alcohol	3.01	59	759	0.752	ug/l	95
13) Acrolein	2.28	56	621	14.087	ug/l	85
16) Acetone	2.44	43	1505	0.728	ug/l #	8
20) Methylene Chloride	2.85	84	24142	5.560	ug/l	96
25) 2-Butanone	4.68	43	2350	0.724	ug/l #	65
29) Tetrahydrofuran	5.12	42	79541	37.347	ug/l	97
31) Cyclohexane	5.57	56	3013	0.494	ug/l	92
36) 1,1-Dichloropropene	5.65	75	24890	4.828	ug/l #	52
38) Carbon Tetrachloride	5.65	117	36963	6.508	ug/l #	15
41) Methacrylonitrile	5.12	41	43171	13.228	ug/l #	43
49) 1,4-Dioxane	7.74	88	114	0.935	ug/l #	25
52) Toluene	8.79	92	2093	0.205	ug/l	99
67) Ethyl Benzene	10.25	91	12134	0.644	ug/l	97
68) m/p-Xylenes	10.35	106	24435	3.376	ug/l	98
69) o-Xylene	10.69	106	7392	1.043	ug/l	98
71) Bromoform	10.87	173	75	3.309	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	110249	21.818	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	110249	58.286	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.80	105	5875	0.403	ug/l	100

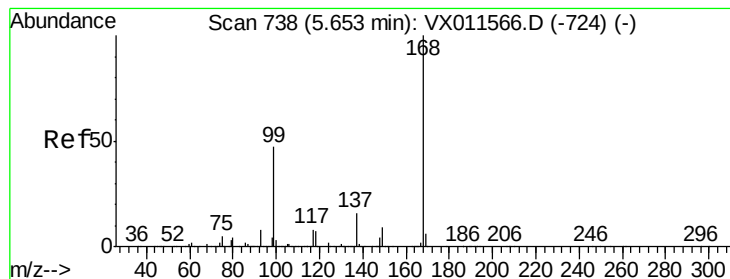
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011633.D

Acq: 19 Aug 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

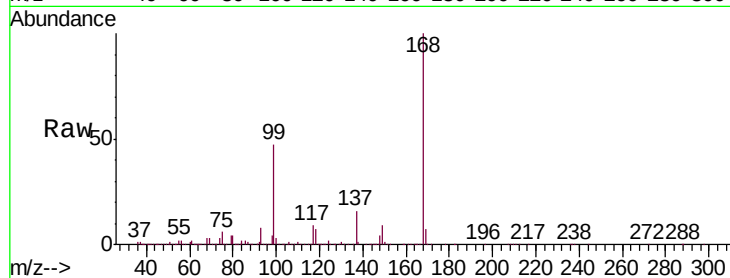
PH2-ER-2019-1

Tgt Ion:168 Resp: 443514

Ion Ratio Lower Upper

168 100

99 47.3 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

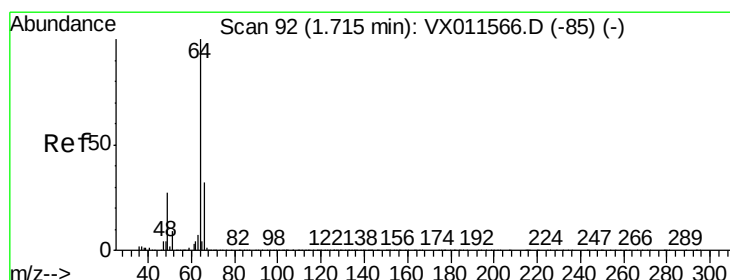
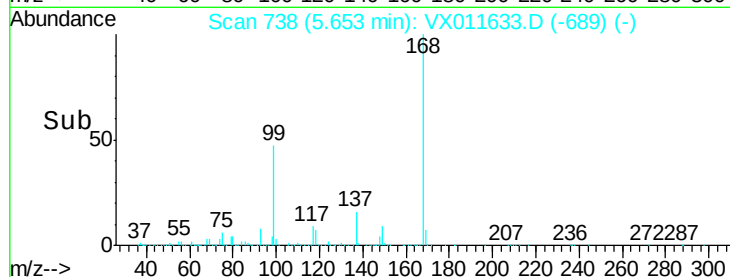
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.210 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011633.D

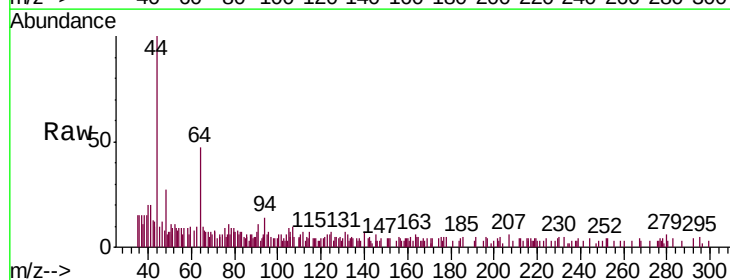
Acq: 19 Aug 2019 15:42

Tgt Ion: 64 Resp: 407

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

1200

1000

800

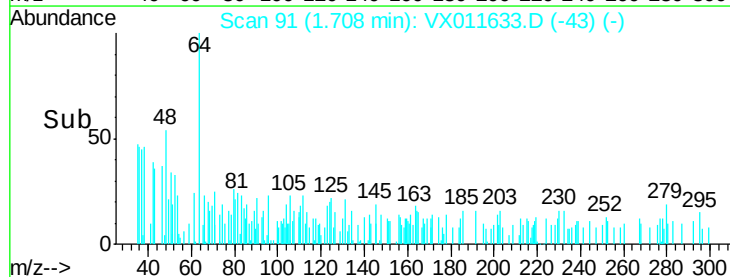
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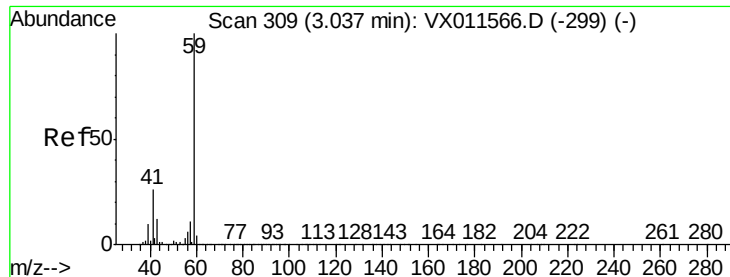
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200

0

Time-->

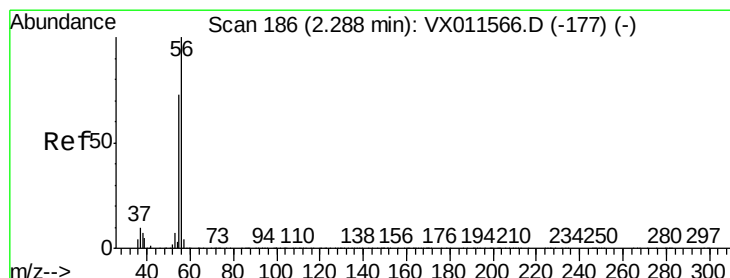
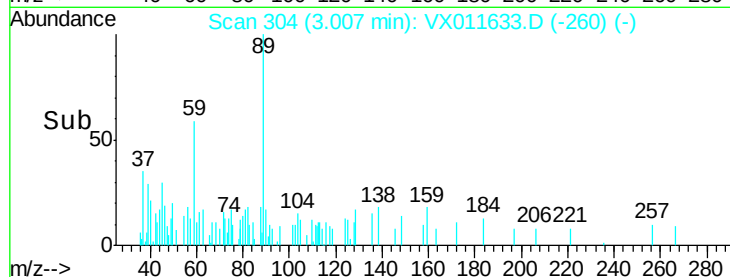
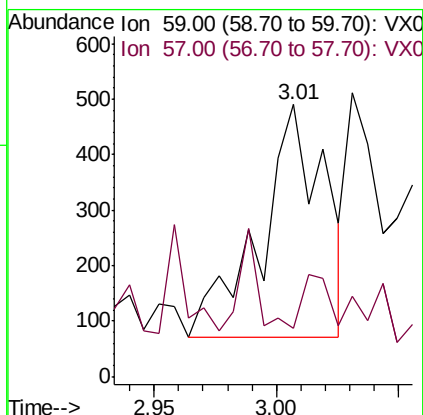
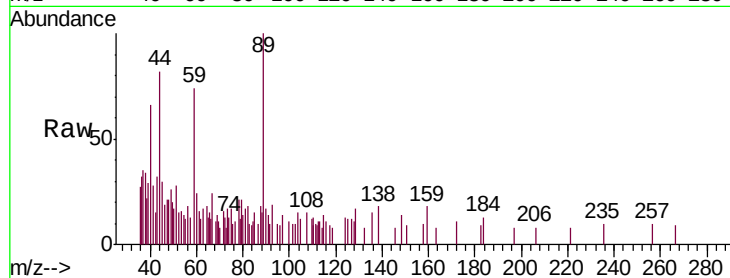




#11
Tert butyl alcohol
Concen: 0.752 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.03 min
Lab File: VX011633.D
Acq: 19 Aug 2019 15:42

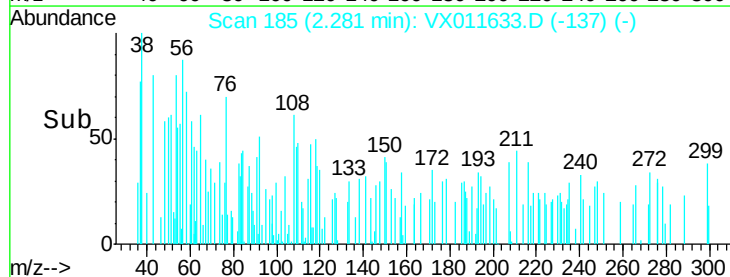
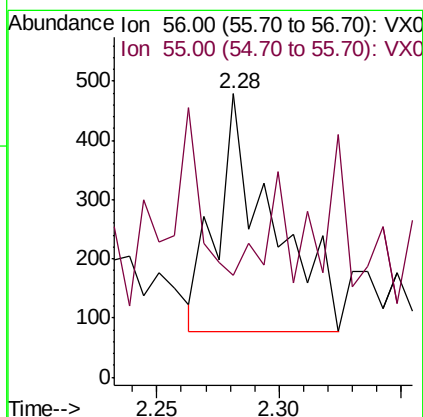
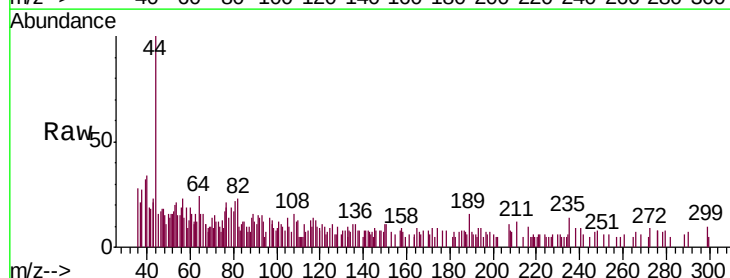
Instrument :
MSVOA_X
ClientSampleId :
PH2-ER-2019-1

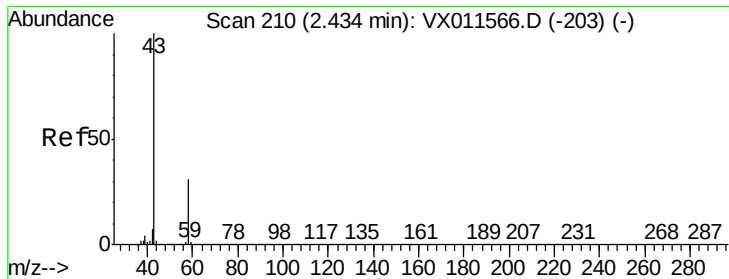
Tgt Ion: 59 Resp: 759
Ion Ratio Lower Upper
59 100
57 9.1 8.7 13.1



#13
Acrolein
Concen: 14.087 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX011633.D
Acq: 19 Aug 2019 15:42

Tgt Ion: 56 Resp: 621
Ion Ratio Lower Upper
56 100
55 57.3 55.5 83.3





#16

Acetone

Concen: 0.728 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011633.D

Acq: 19 Aug 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

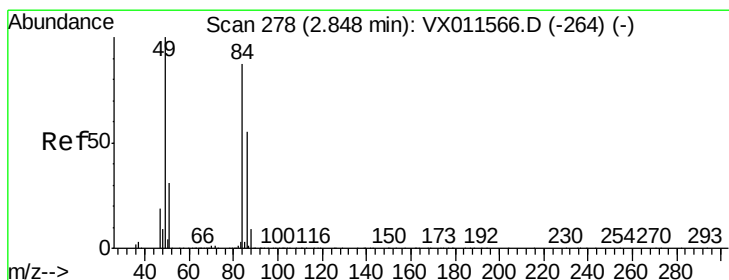
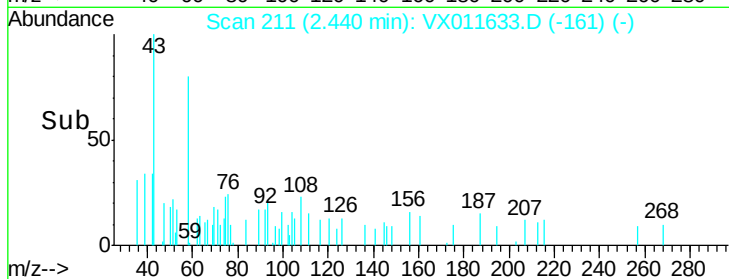
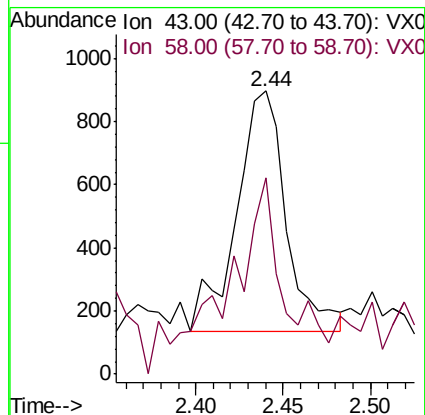
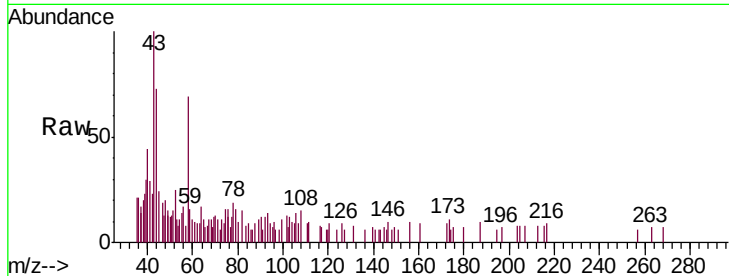
PH2-ER-2019-1

Tgt Ion: 43 Resp: 1505

Ion Ratio Lower Upper

43 100

58 82.5 25.2 37.8#



#20

Methylene Chloride

Concen: 5.560 ug/l

RT: 2.85 min Scan# 278

Delta R.T. -0.00 min

Lab File: VX011633.D

Acq: 19 Aug 2019 15:42

Tgt Ion: 84 Resp: 24142

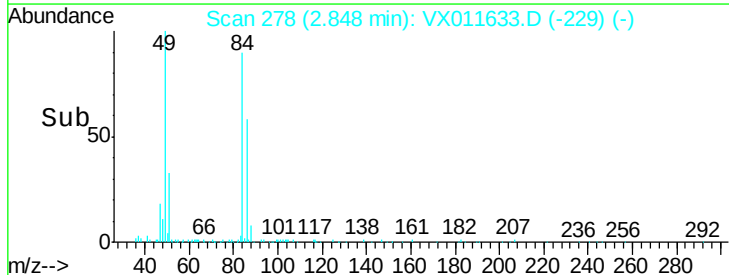
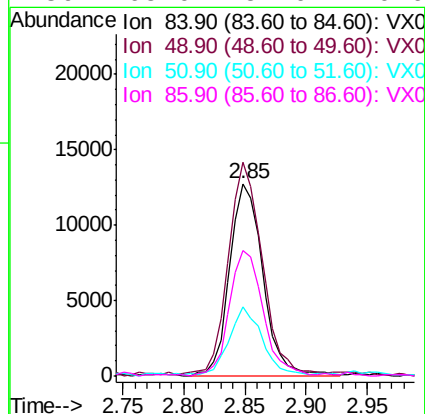
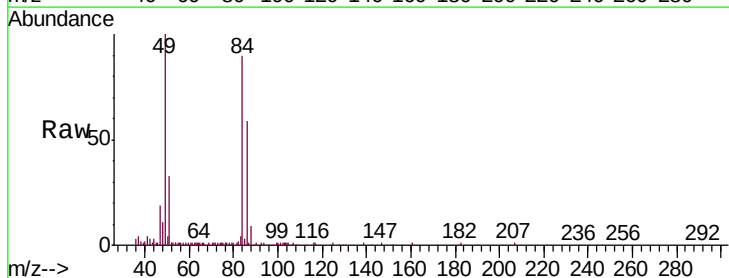
Ion Ratio Lower Upper

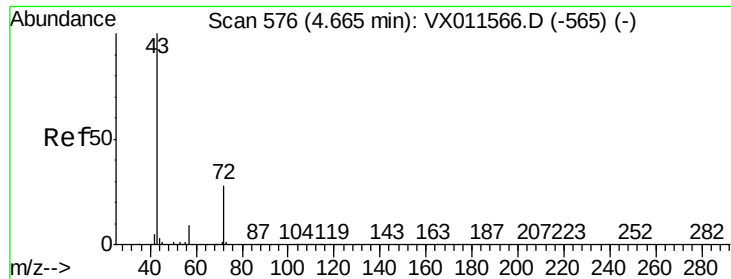
84 100

49 109.0 92.4 138.6

51 35.4 28.5 42.7

86 65.0 51.0 76.6

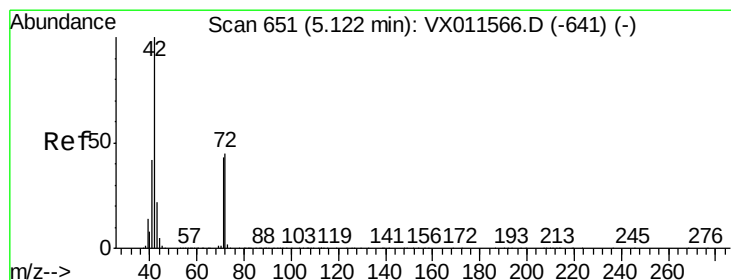
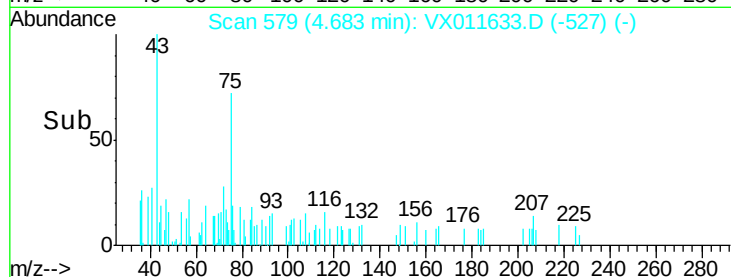
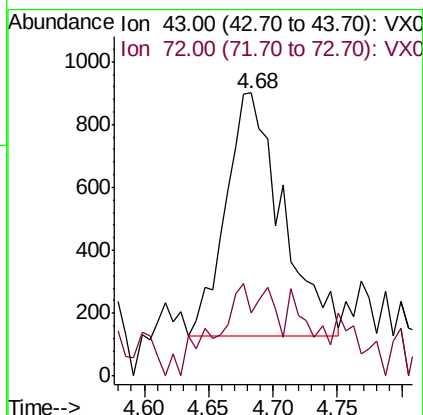
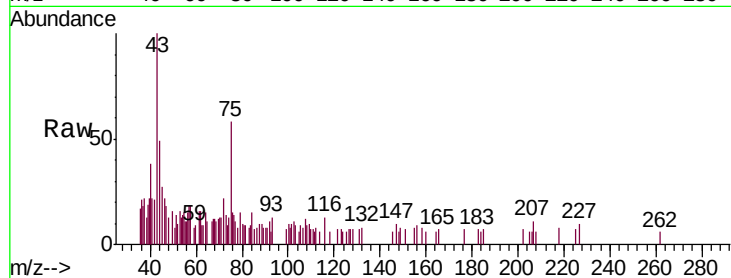




#25
2-Butanone
Concen: 0.724 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.02 min
Lab File: VX011633.D
Acq: 19 Aug 2019 15:42

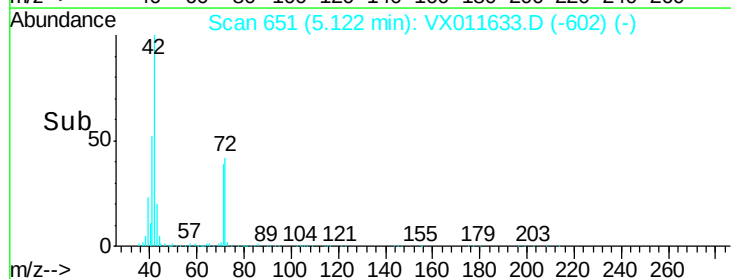
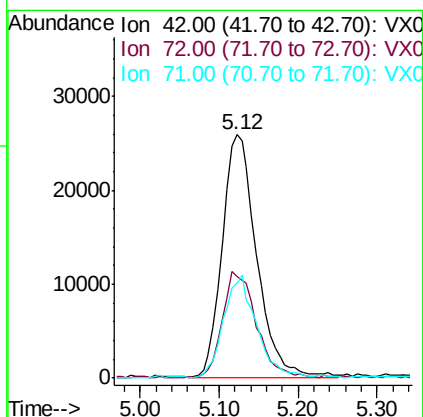
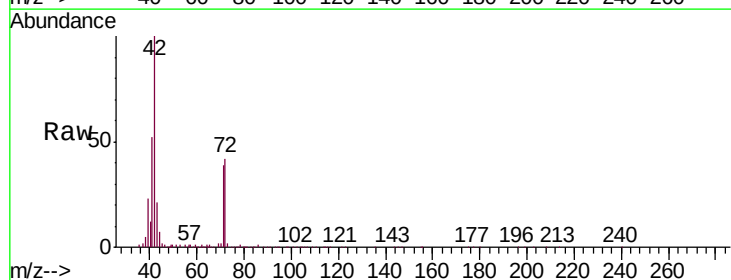
Instrument :
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ClientSampleId :
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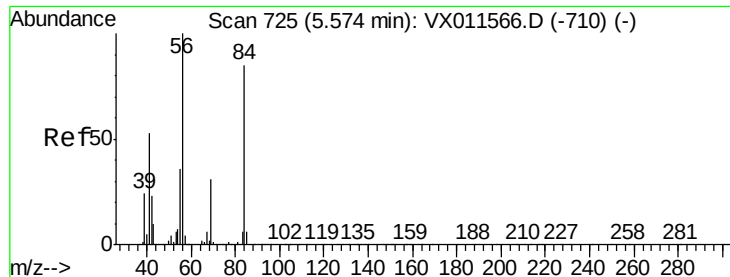
Tgt Ion: 43 Resp: 2350
Ion Ratio Lower Upper
43 100
72 9.6 22.2 33.4#



#29
Tetrahydrofuran
Concen: 37.347 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.00 min
Lab File: VX011633.D
Acq: 19 Aug 2019 15:42

Tgt Ion: 42 Resp: 79541
Ion Ratio Lower Upper
42 100
72 43.2 36.1 54.1
71 40.1 33.8 50.8

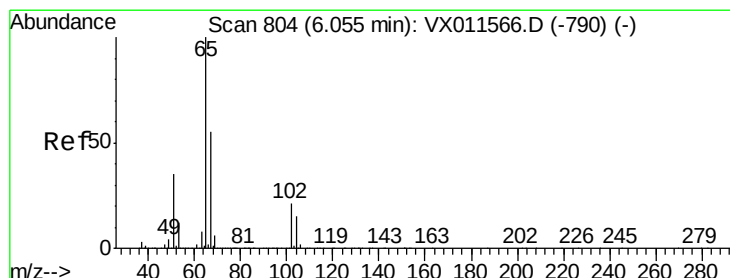
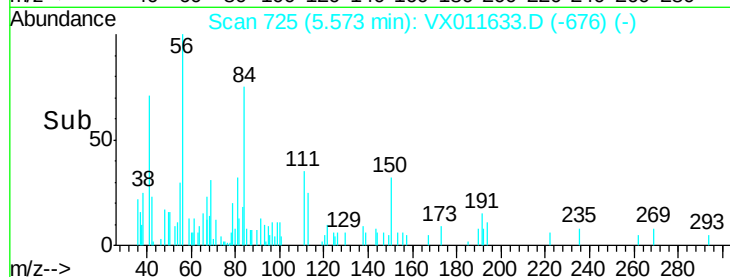
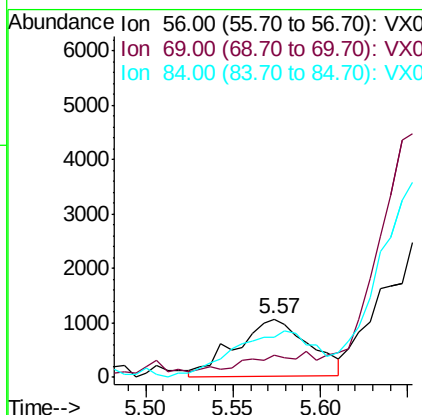
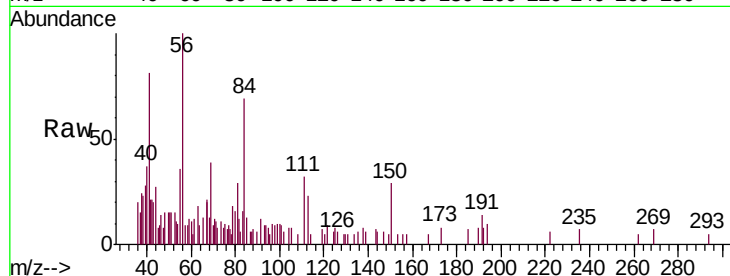




#31
Cyclohexane
Concen: 0.494 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX011633.D
Acq: 19 Aug 2019 15:42

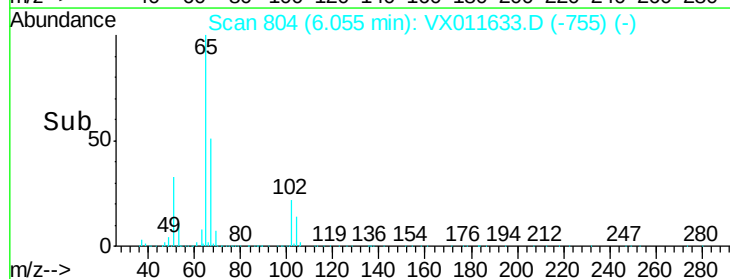
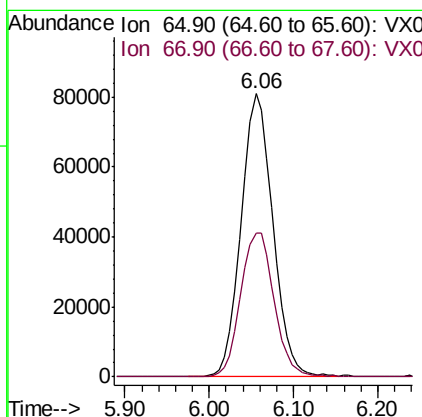
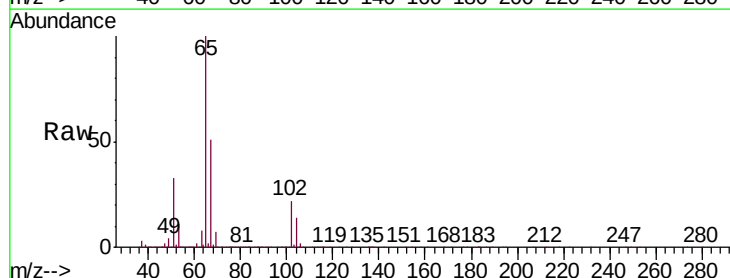
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MSVOA_X
ClientSampleId :
PH2-ER-2019-1

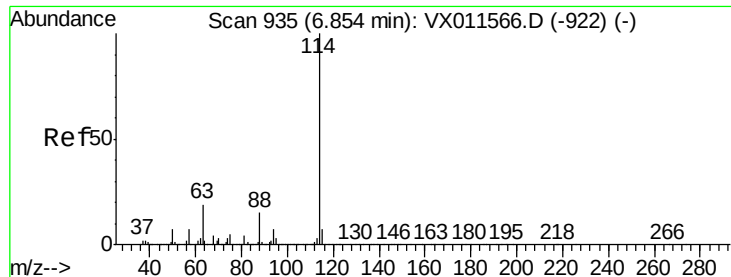
Tgt Ion: 56 Resp: 3013
Ion Ratio Lower Upper
56 100
69 36.9 24.8 37.2
84 78.4 67.9 101.9



#33
1,2-Dichloroethane-d4
Concen: 50.012 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX011633.D
Acq: 19 Aug 2019 15:42

Tgt Ion: 65 Resp: 205697
Ion Ratio Lower Upper
65 100
67 53.5 0.0 107.6

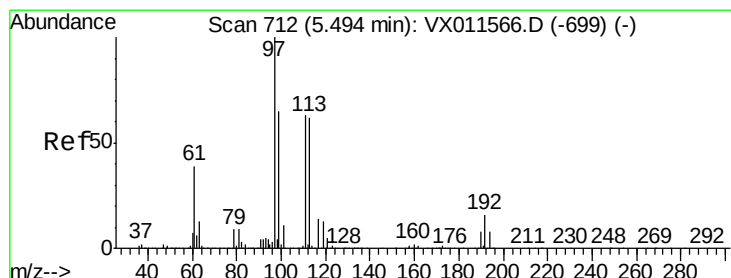
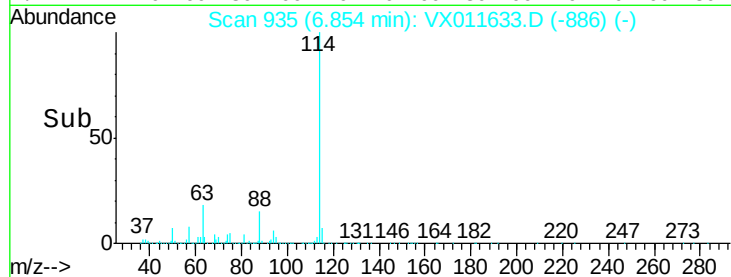
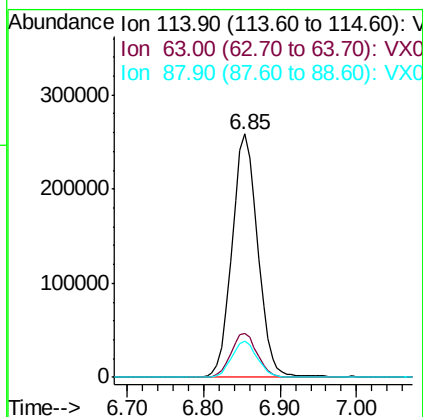
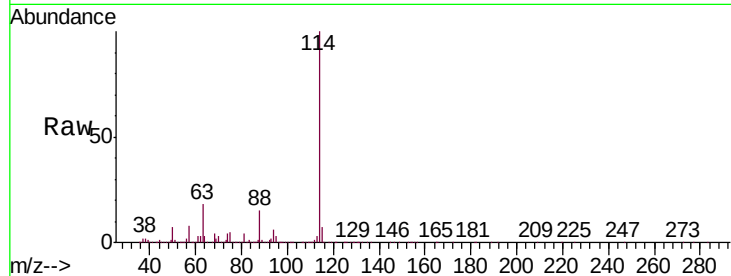




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011633.D
 Acq: 19 Aug 2019 15:42

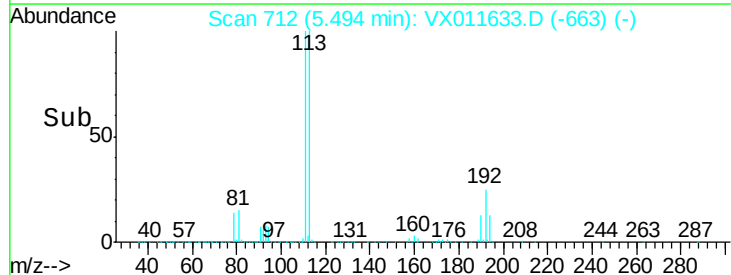
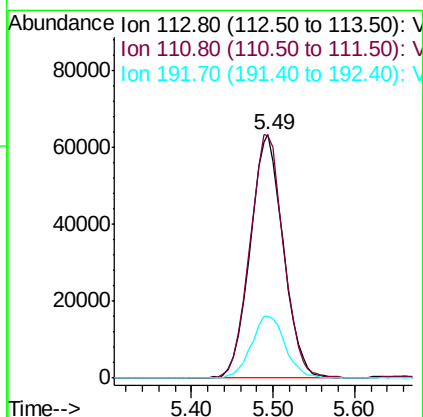
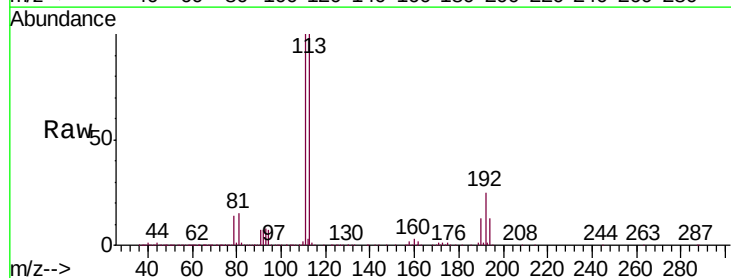
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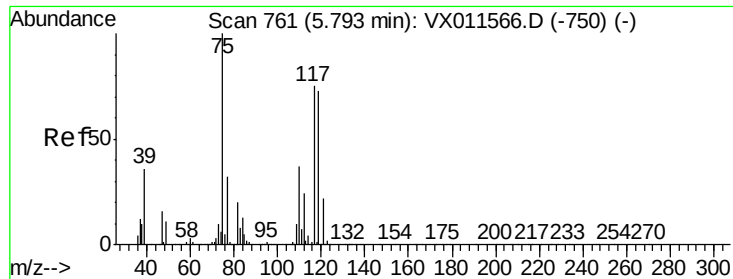
Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	37.8
88	14.8	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 45.403 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX011633.D
 Acq: 19 Aug 2019 15:42

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.1	121.7
192	26.2	20.8	31.2





#36

1,1-Dichloropropene

Concen: 4.828 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011633.D

Acq: 19 Aug 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

PH2-ER-2019-1

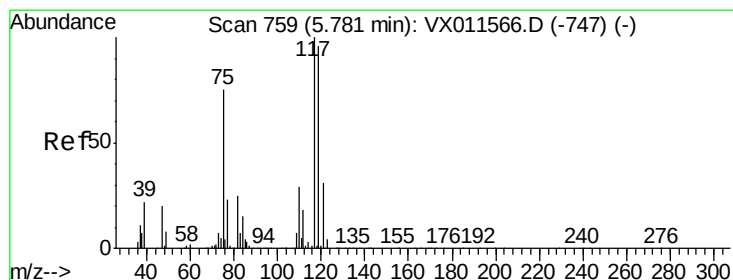
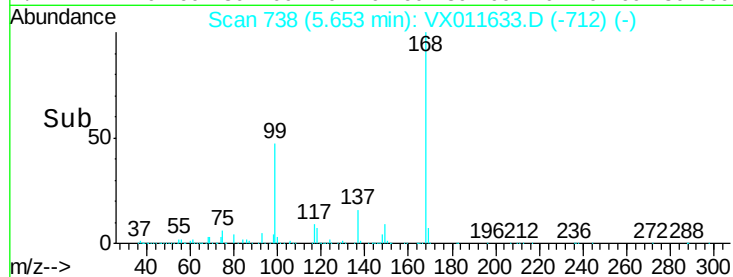
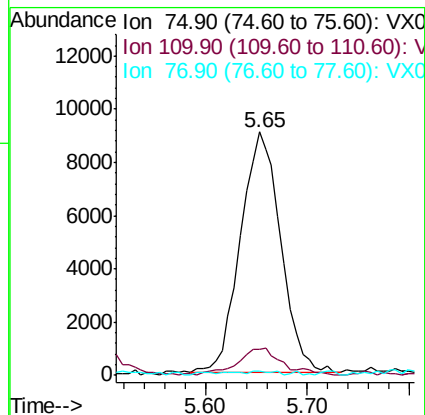
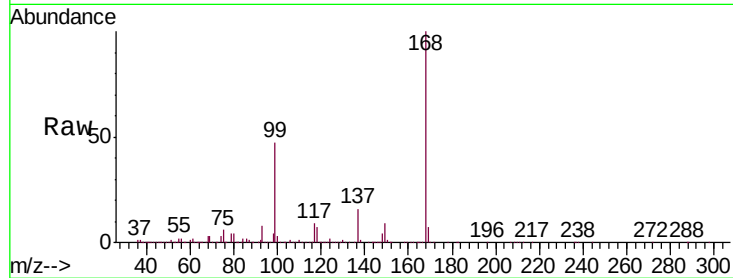
Tgt Ion: 75 Resp: 24890

Ion Ratio Lower Upper

75 100

110 12.8 19.4 58.1#

77 1.4 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.508 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011633.D

Acq: 19 Aug 2019 15:42

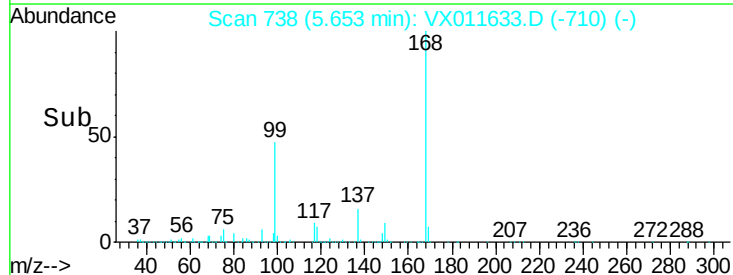
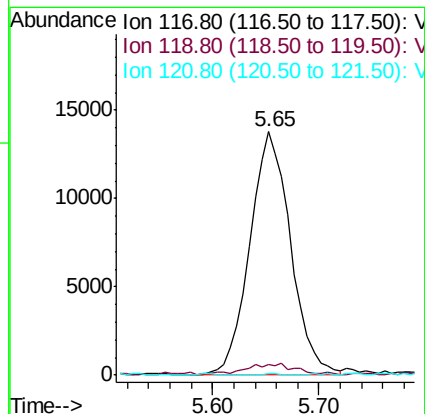
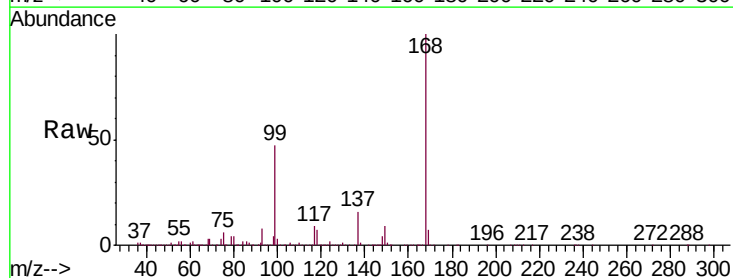
Tgt Ion: 117 Resp: 36963

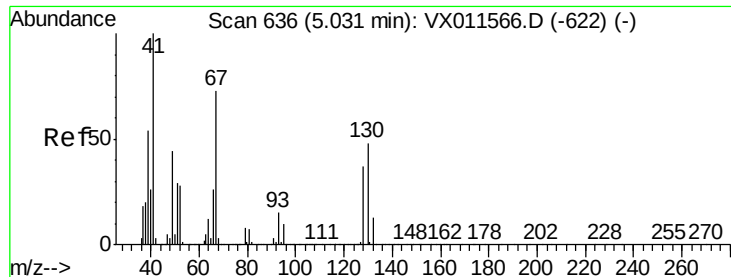
Ion Ratio Lower Upper

117 100

119 4.2 76.9 115.3#

121 0.6 24.8 37.2#

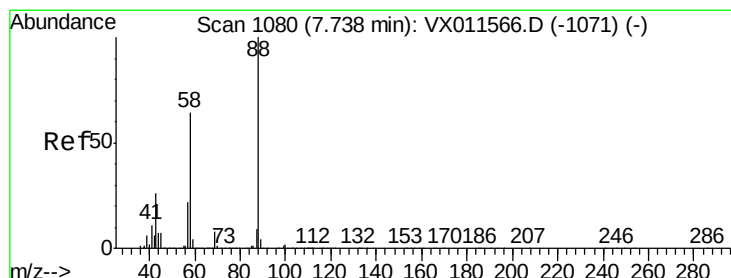
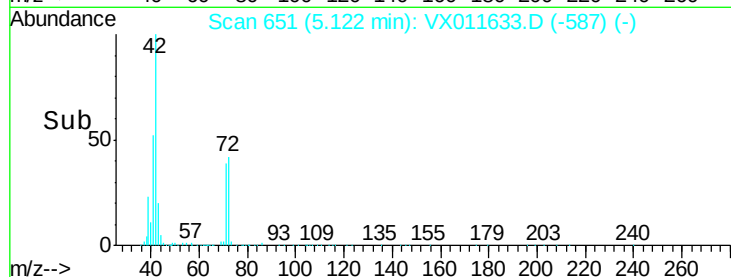
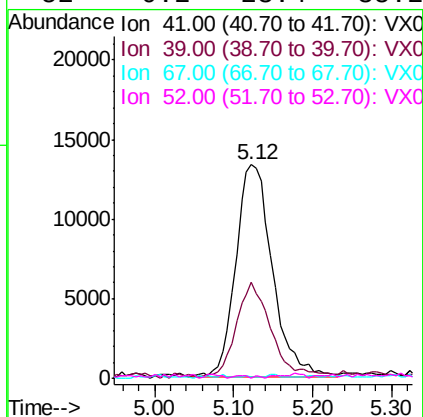
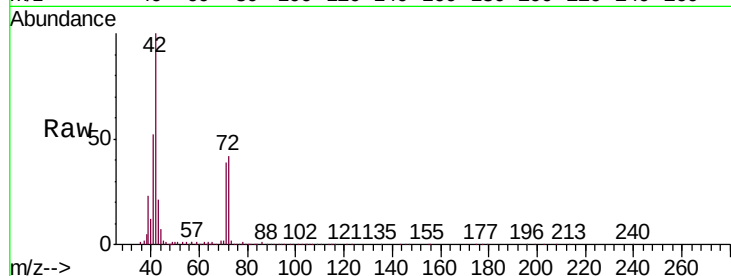




#41
Methacrylonitrile
Concen: 13.228 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.09 min
Lab File: VX011633.D
Acq: 19 Aug 2019 15:42

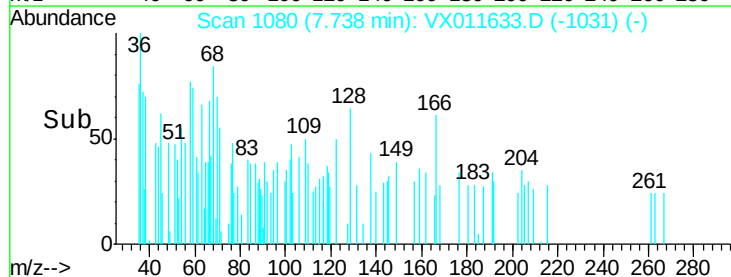
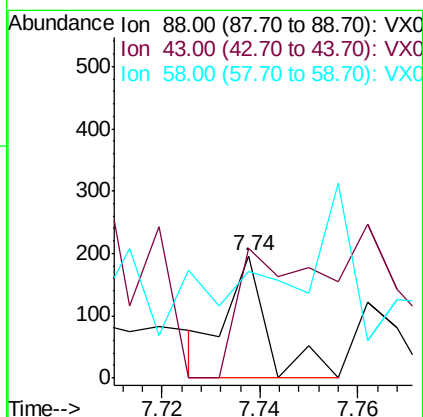
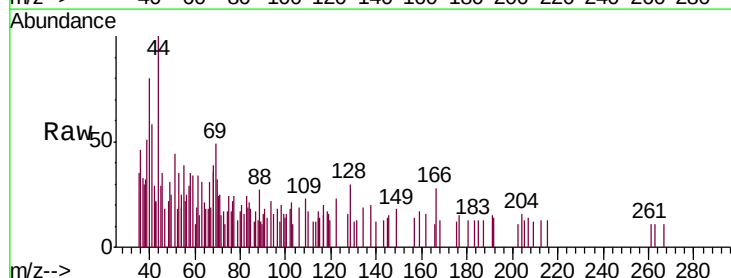
Instrument :
MSVOA_X
ClientSampleId :
PH2-ER-2019-1

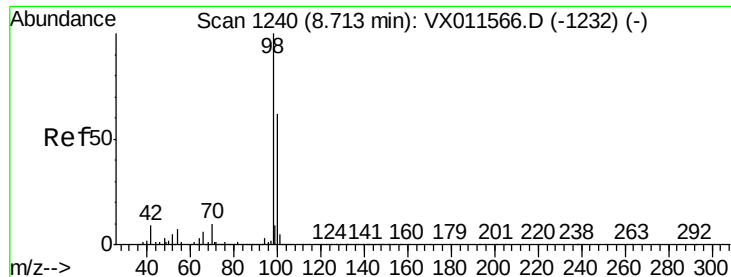
Tgt Ion:	41	Resp:	43171
Ion	Ratio	Lower	Upper
41	100		
39	42.0	43.5	65.3#
67	0.2	59.4	89.2#
52	0.2	23.4	35.2#



#49
1,4-Dioxane
Concen: 0.935 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX011633.D
Acq: 19 Aug 2019 15:42

Tgt Ion:	88	Resp:	114
Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.4	35.0#
58	0.0	54.3	81.5#





#50

Toluene-d8

Concen: 55.409 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011633.D

Acq: 19 Aug 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

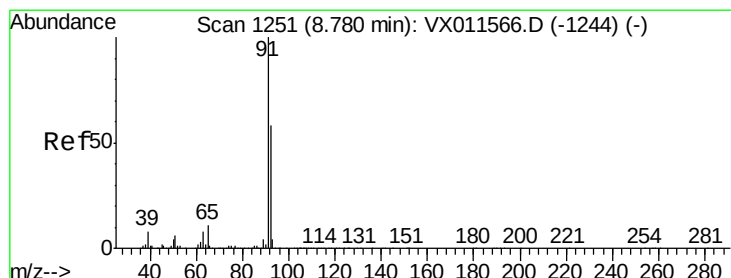
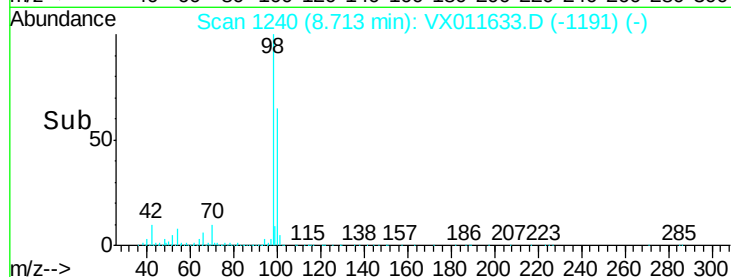
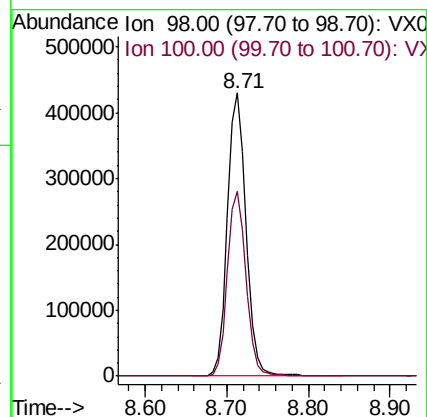
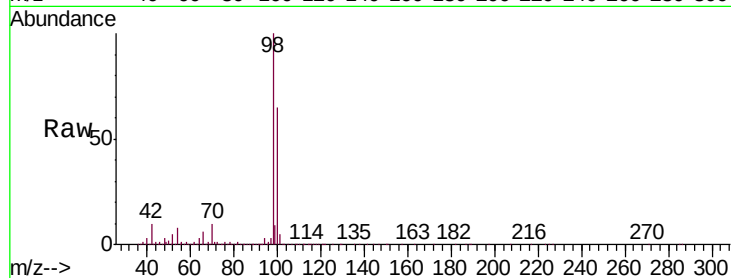
PH2-ER-2019-1

Tgt Ion: 98 Resp: 680892

Ion Ratio Lower Upper

98 100

100 65.1 52.4 78.6



#52

Toluene

Concen: 0.205 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX011633.D

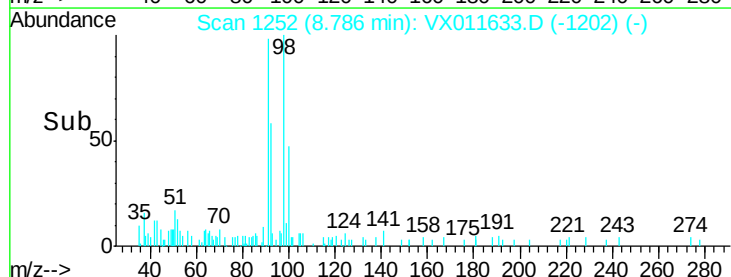
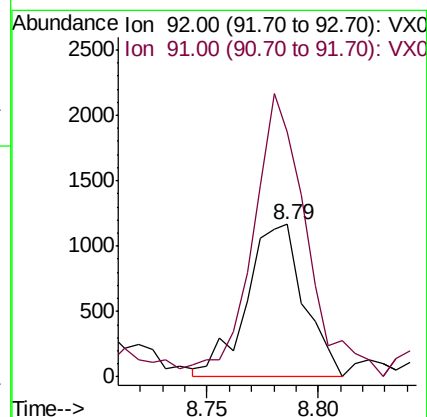
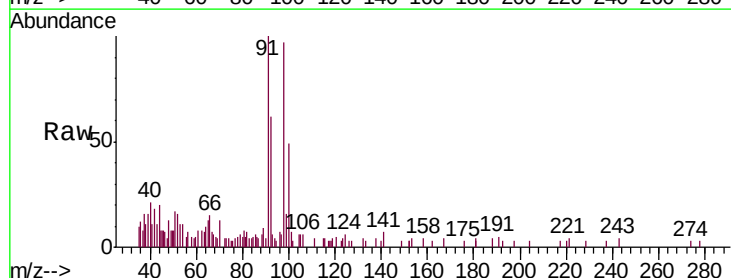
Acq: 19 Aug 2019 15:42

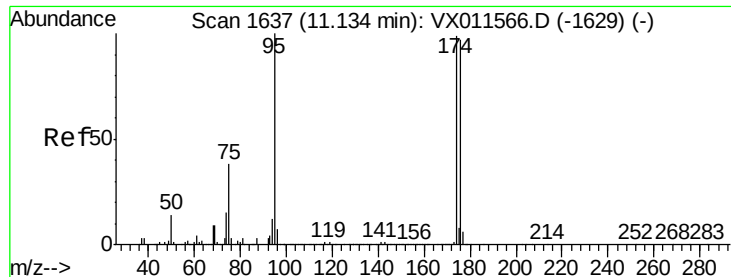
Tgt Ion: 92 Resp: 2093

Ion Ratio Lower Upper

92 100

91 173.4 138.0 207.0





#62

4-Bromofluorobenzene

Concen: 46.270 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011633.D

Acq: 19 Aug 2019 15:42

Instrument :

MSVOA_X

ClientSampleId :

PH2-ER-2019-1

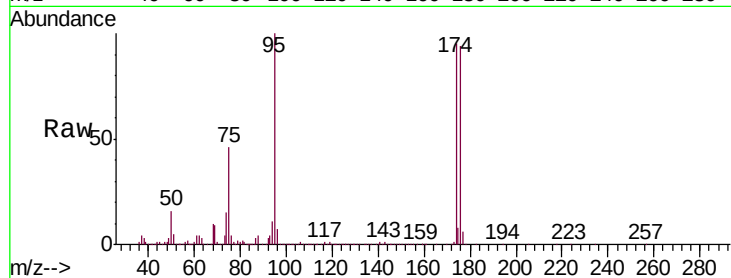
Tgt Ion: 95 Resp: 239993

Ion Ratio Lower Upper

95 100

174 99.8 0.0 200.6

176 97.4 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

250000

200000

150000

100000

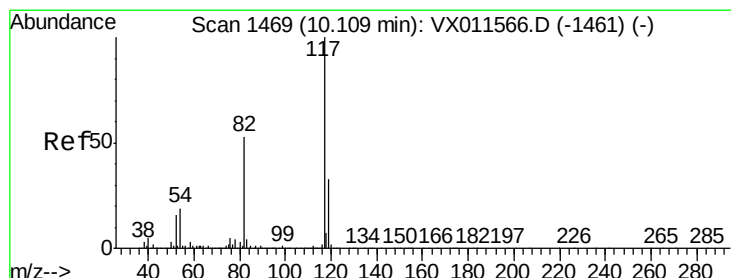
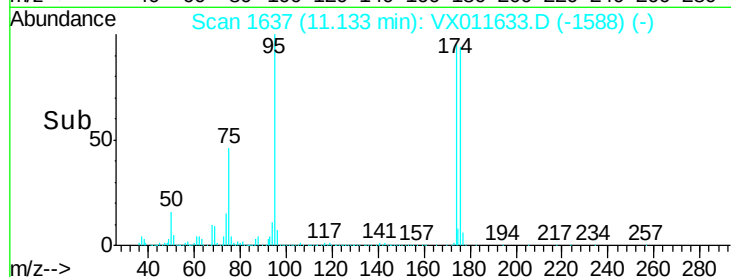
50000

0

11.13

11.10 11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011633.D

Acq: 19 Aug 2019 15:42

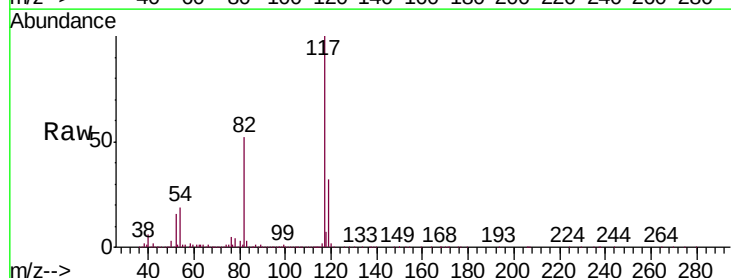
Tgt Ion: 117 Resp: 529640

Ion Ratio Lower Upper

117 100

82 52.4 42.0 63.0

119 32.4 26.5 39.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

500000

400000

300000

200000

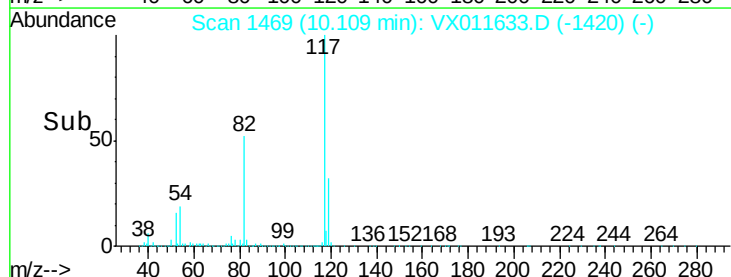
100000

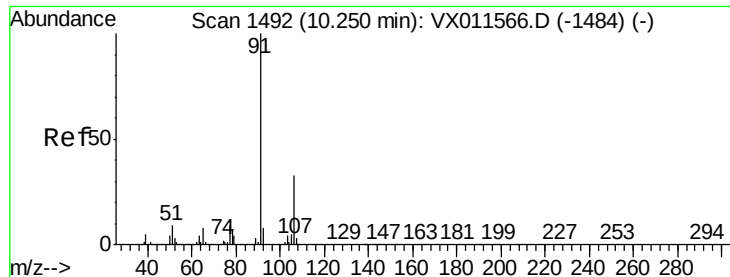
0

10.11

10.10 10.20

Time-->

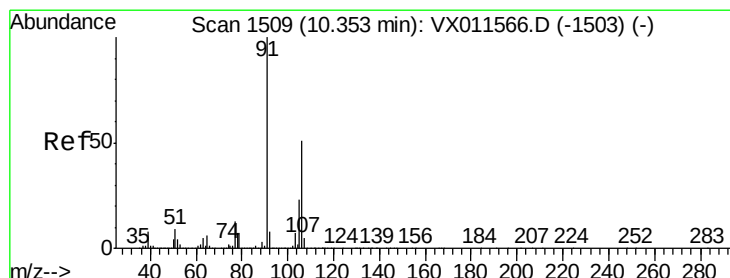
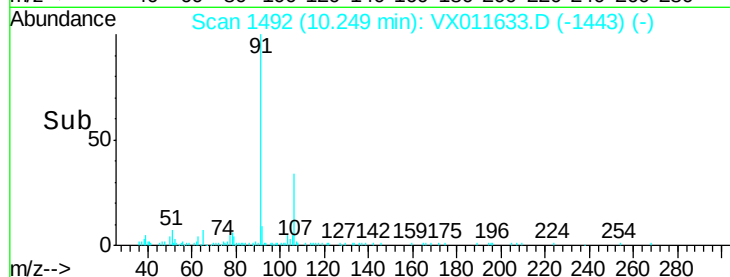
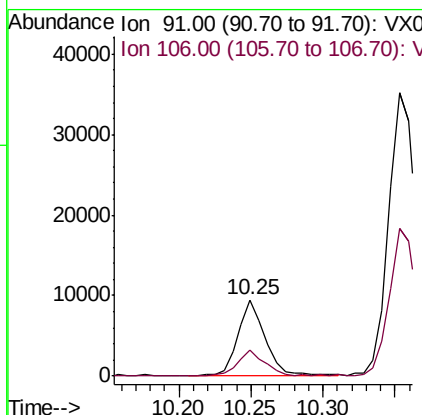
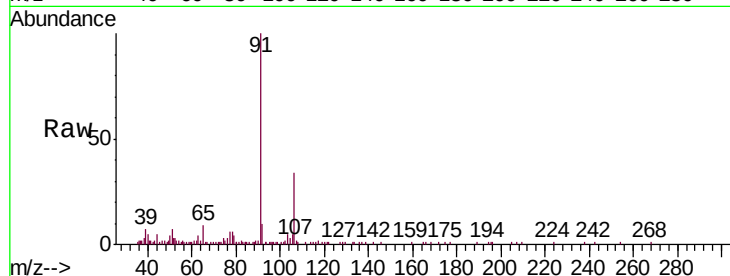




#67
Ethyl Benzene
Concen: 0.644 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011633.D
Acq: 19 Aug 2019 15:42

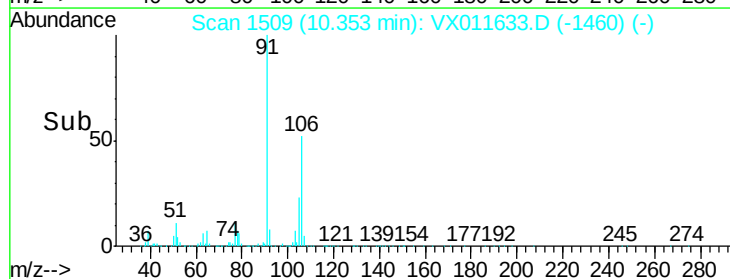
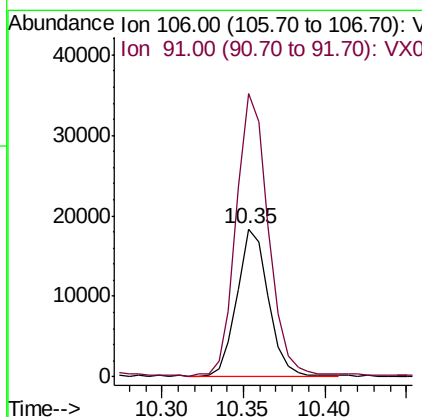
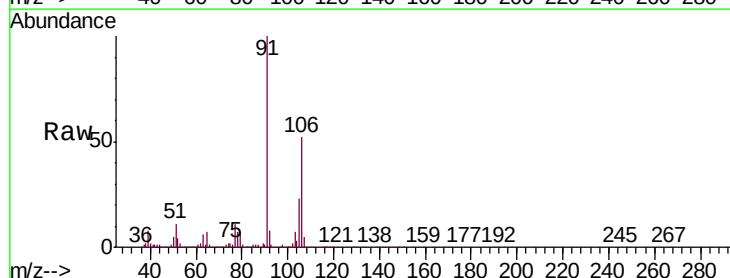
Instrument :
MSVOA_X
ClientSampleId :
PH2-ER-2019-1

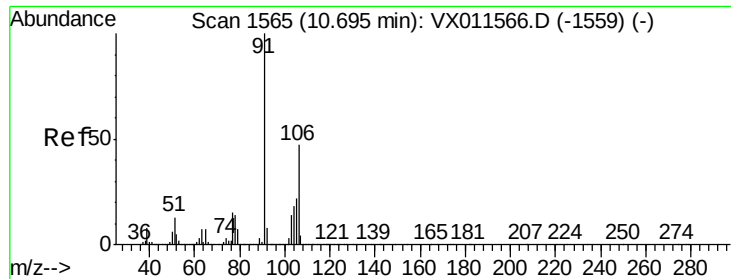
Tgt Ion: 91 Resp: 12134
Ion Ratio Lower Upper
91 100
106 34.2 26.0 39.0



#68
m/p-Xylenes
Concen: 3.376 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.00 min
Lab File: VX011633.D
Acq: 19 Aug 2019 15:42

Tgt Ion: 106 Resp: 24435
Ion Ratio Lower Upper
106 100
91 198.1 156.0 234.0

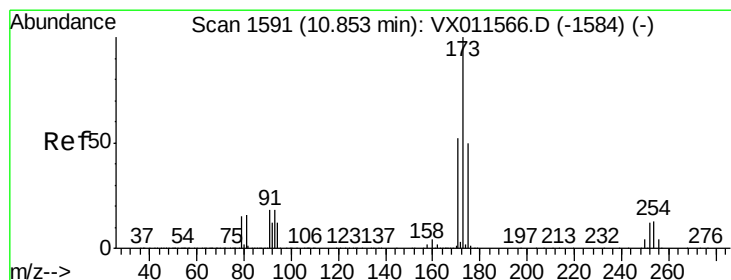
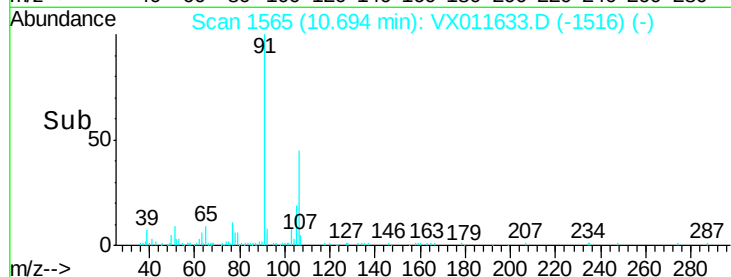
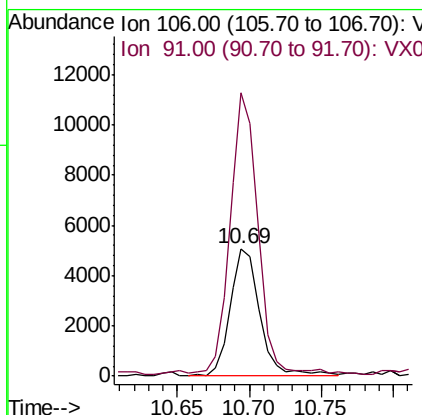
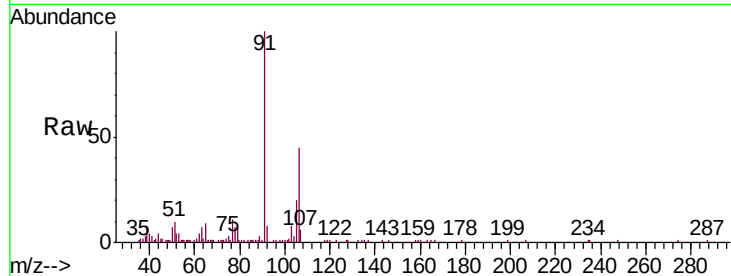




#69
o-Xylene
Concen: 1.043 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011633.D
Acq: 19 Aug 2019 15:42

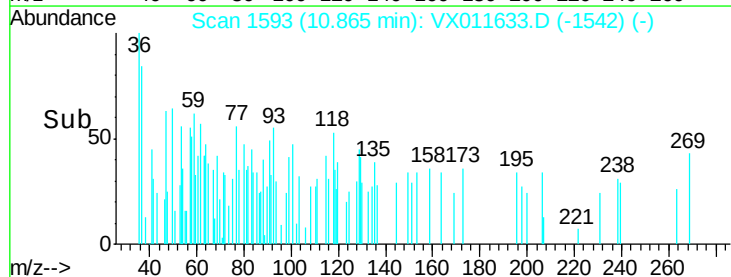
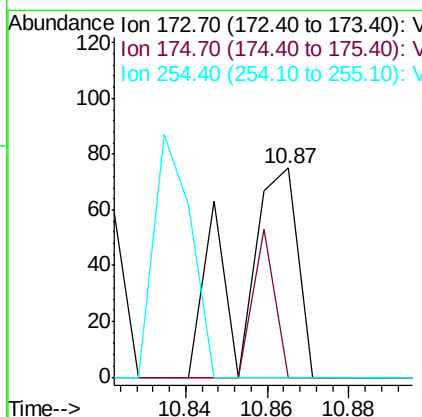
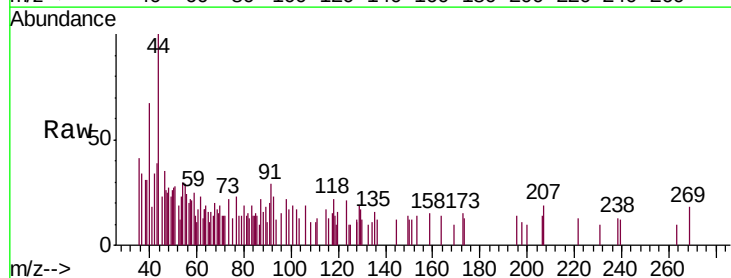
Instrument :
MSVOA_X
ClientSampleId :
PH2-ER-2019-1

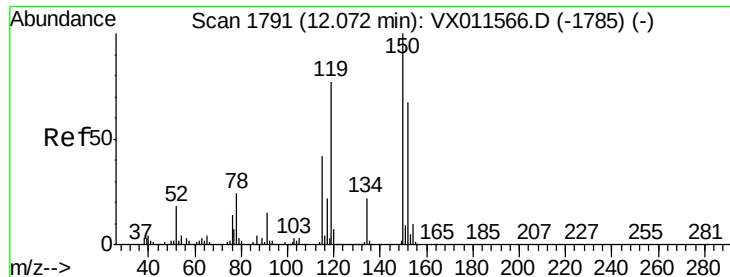
Tgt Ion:106 Resp: 7392
Ion Ratio Lower Upper
106 100
91 207.4 105.5 316.4



#71
Bromoform
Concen: 3.309 ug/l
RT: 10.87 min Scan# 1593
Delta R.T. 0.01 min
Lab File: VX011633.D
Acq: 19 Aug 2019 15:42

Tgt Ion:173 Resp: 75
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 0.0 0.1 0.1#

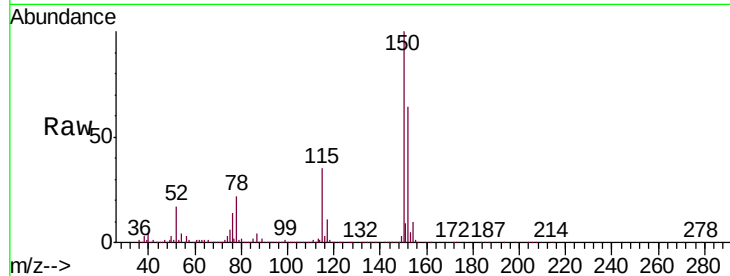




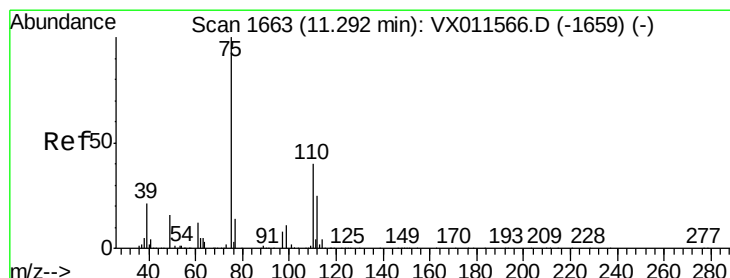
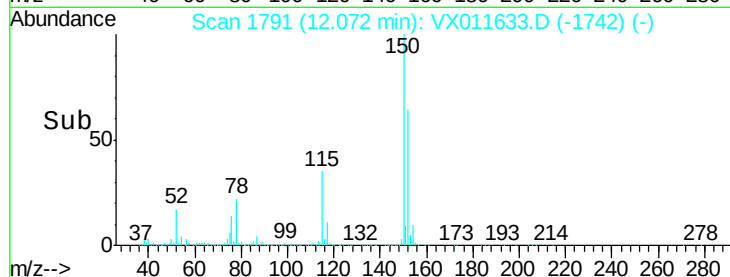
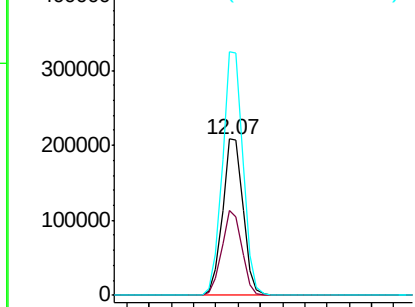
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX011633.D
 Acq: 19 Aug 2019 15:42

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-ER-2019-1

Tgt Ion: 152 Resp: 266487
 Ion Ratio Lower Upper
 152 100
 115 52.9 37.3 111.9
 150 155.9 0.0 346.2

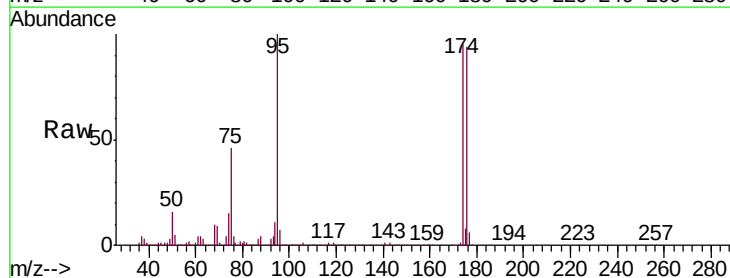


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

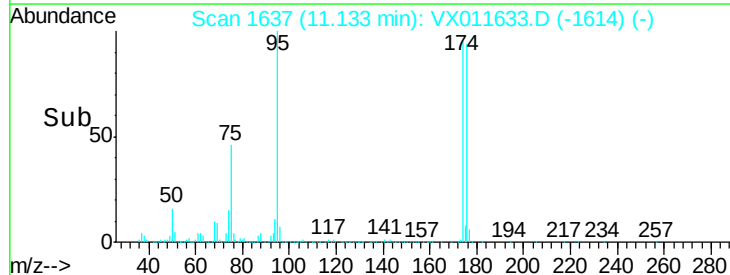
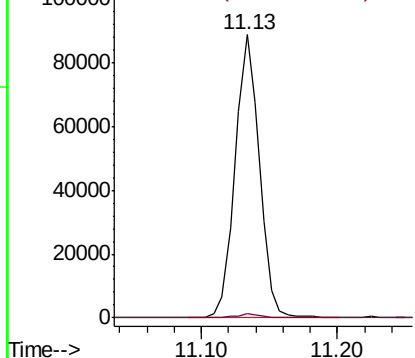


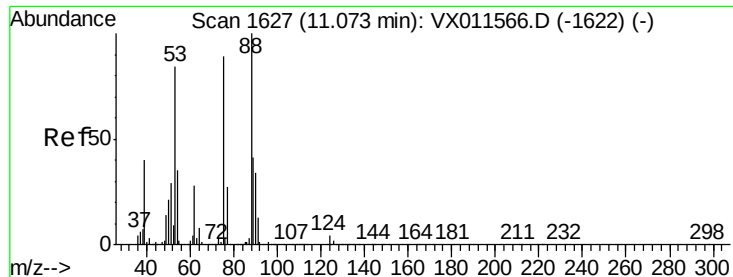
#76
 1,2,3-Trichloropropane
 Concen: 21.818 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011633.D
 Acq: 19 Aug 2019 15:42

Tgt Ion: 75 Resp: 110249
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 77.00 (76.70 to 77.70): VX0

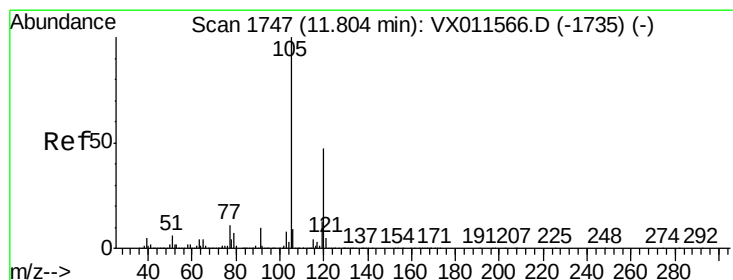
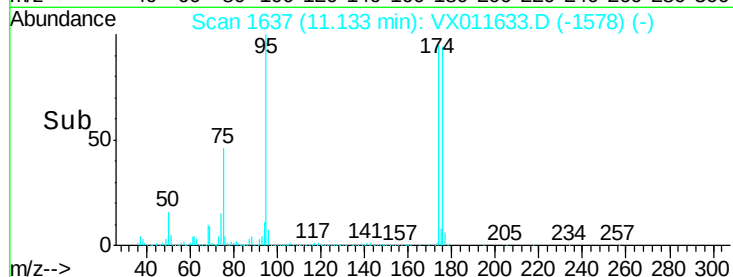
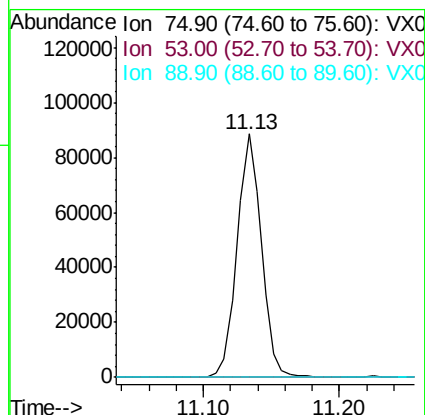
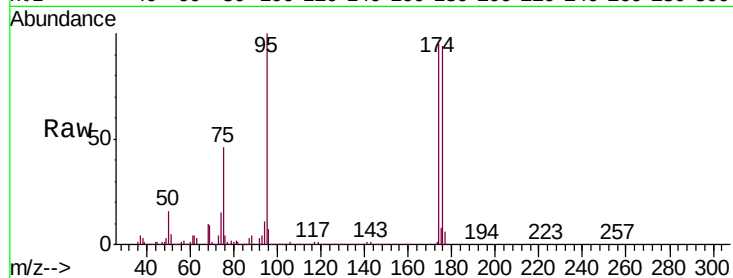




#81
trans-1,4-Dichloro-2-butene
Concen: 58.286 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX011633.D
Acq: 19 Aug 2019 15:42

Instrument :
MSVOA_X
ClientSampleId :
PH2-ER-2019-1

Tgt Ion: 75 Resp: 110249
Ion Ratio Lower Upper
75 100
53 0.4 77.4 116.0#
89 0.1 37.3 55.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.403 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011633.D
Acq: 19 Aug 2019 15:42

Tgt Ion: 105 Resp: 5875
Ion Ratio Lower Upper
105 100
120 46.8 23.3 69.9

