

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\
 Data File : VX004731.D
 Acq On : 26 Sep 2018 17:28
 Operator : JC/MD
 Sample : J4870-01DL 2X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WPDL

Quant Time: Sep 27 00:40:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	257613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	374436	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	356836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	207850	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	214985	58.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.84%	
35) Dibromofluoromethane	5.49	113	161575	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	8.72	98	584612	55.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.82%	
62) 4-Bromofluorobenzene	11.14	95	202548	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	3954	0.928	ug/l	99
4) Vinyl Chloride	1.40	62	103202	25.821	ug/l	94
5) Bromomethane	1.64	94	79994	33.751	ug/l	100
6) Chloroethane	1.72	64	42467	18.007	ug/l	95
10) Methyl Iodide	2.51	142	6529	1.731	ug/l	96
16) Acetone	2.45	43	156561	72.871	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	532167	55.272	ug/l	99
20) Methylene Chloride	2.85	84	51147	15.800	ug/l	# 84
21) trans-1,2-Dichloroethene	3.16	96	36570	11.968	ug/l	90
24) 1,1-Dichloroethane	3.70	63	166008	27.136	ug/l	99
25) 2-Butanone	4.71	43	349974	110.510	ug/l	90
30) Chloroform	5.21	83	153953	26.627	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	40623	8.603	ug/l	99
40) Benzene	6.15	78	578653	42.690	ug/l	97
44) Trichloroethene	7.21	130	117393	35.230	ug/l	93
45) 1,2-Dichloropropane	7.52	63	152205	45.788	ug/l	99
46) Dibromomethane	7.66	93	133593	63.949	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	415926	79.632	ug/l	93
52) Toluene	8.79	92	204088	27.401	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	261235	56.428	ug/l	98
59) 2-Hexanone	9.50	43	296788	68.188	ug/l	92
60) Dibromochloromethane	9.59	129	107899	33.069	ug/l	99
61) 1,2-Dibromoethane	9.68	107	161014	46.082	ug/l	100
64) Tetrachloroethene	9.34	164	81364	23.167	ug/l	96
65) Chlorobenzene	10.14	112	185687	20.293	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	211315	65.690	ug/l	99
67) Ethyl Benzene	10.26	91	115438	7.946	ug/l	98
68) m/p-Xylenes	10.36	106	104152	18.347	ug/l	92
69) o-Xylene	10.70	106	210302	40.333	ug/l	96
70) Styrene	10.71	104	530290	54.190	ug/l	99
71) Bromoform	10.86	173	121056	43.956	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	366107	68.649	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	316213	67.876	ug/l	87
80) 1,3,5-Trimethylbenzene	11.51	105	301279	24.992	ug/l	96

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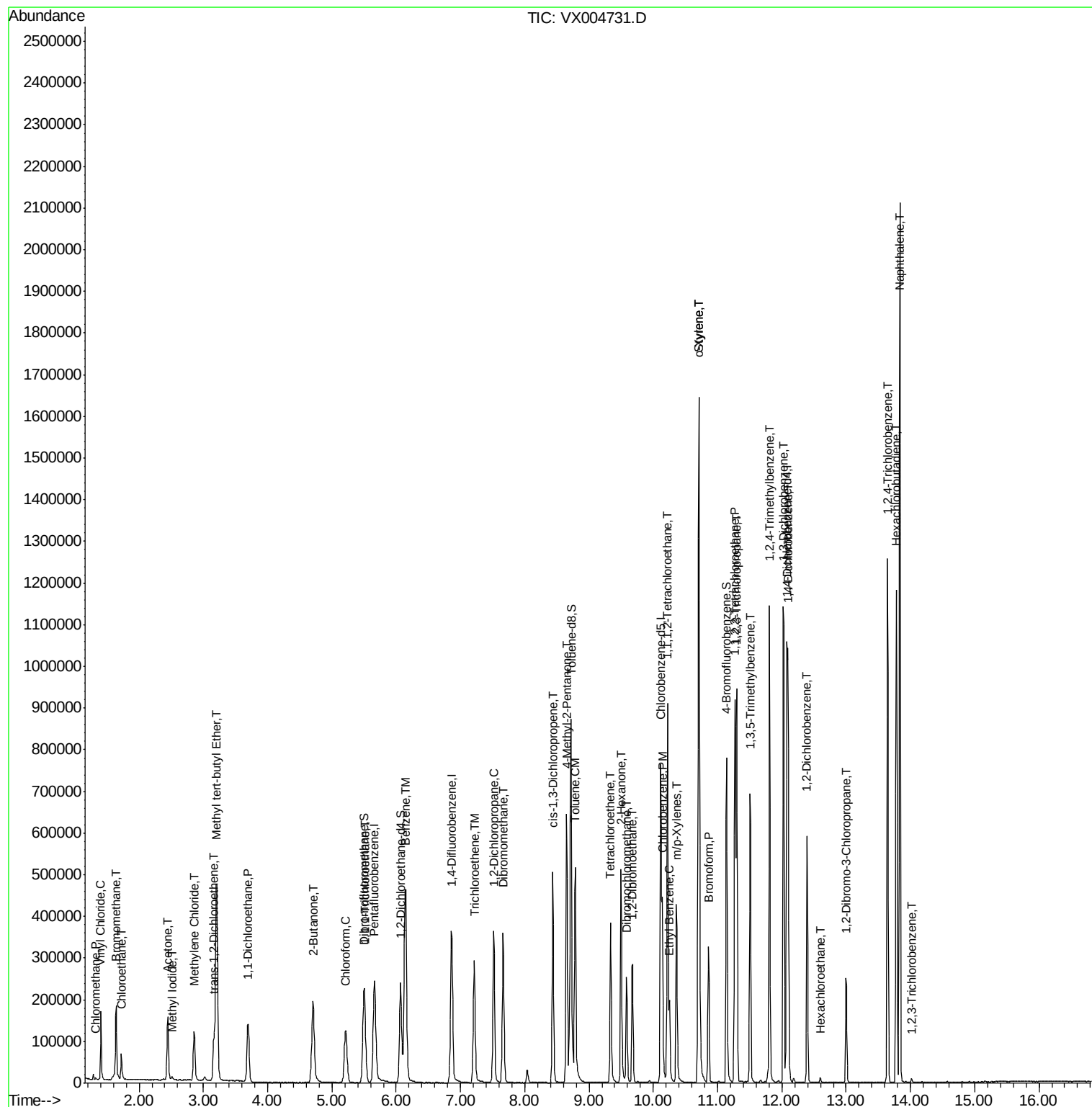
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	11.81	105	505480	40.784	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	401688	56.531	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	314660	42.898	ug/l	99
90) Hexachloroethane	12.60	117	1443	0.728	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	205062	27.615	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	47934	40.936	ug/l	94
93) 1,2,4-Trichlorobenzene	13.65	180	309900	59.493	ug/l	99
94) Hexachlorobutadiene	13.79	225	194722	72.089	ug/l	96
95) Naphthalene	13.83	128	1203491	69.328	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	2056	0.382	ug/l	95

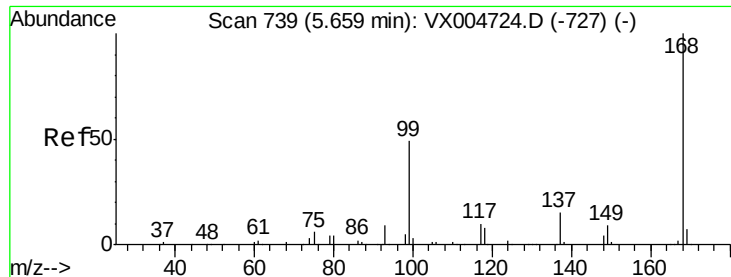
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX004731.D

Acq: 26 Sep 2018 17:28

Instrument :

MSVOA_X

ClientSampleId :

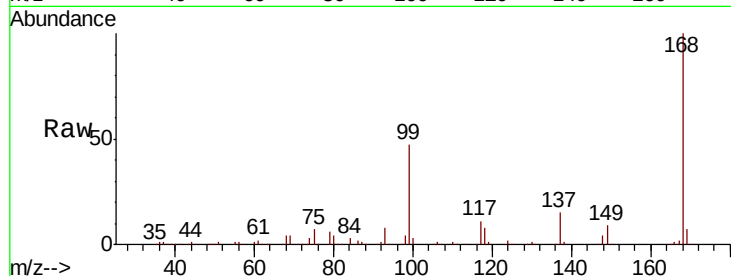
PT-VOA-WPDL

Tot Ion:168 Resp: 257613

Ion Ratio Lower Upper

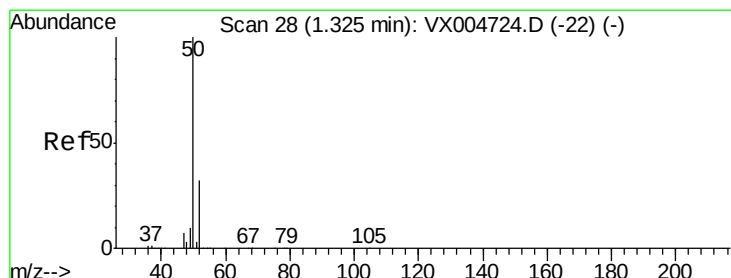
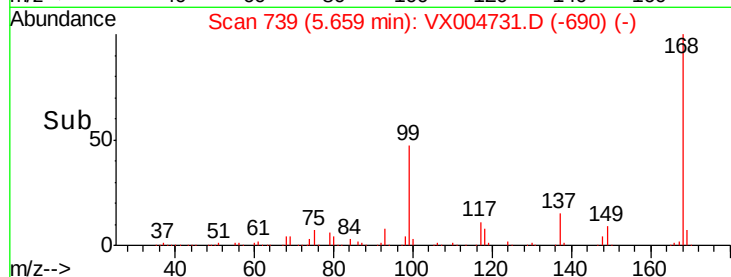
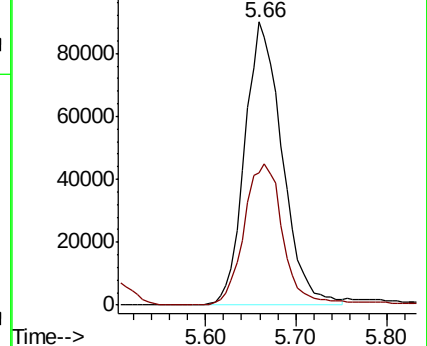
168 100

99 46.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.928 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004731.D

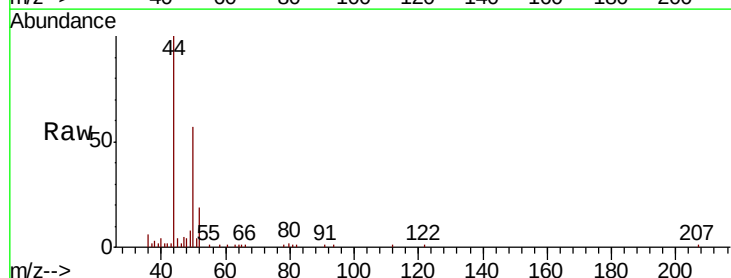
Acq: 26 Sep 2018 17:28

Tgt Ion: 50 Resp: 3954

Ion Ratio Lower Upper

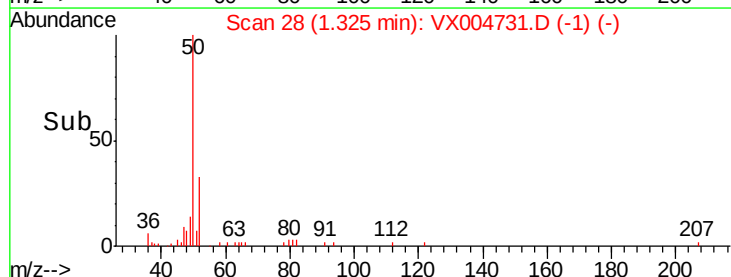
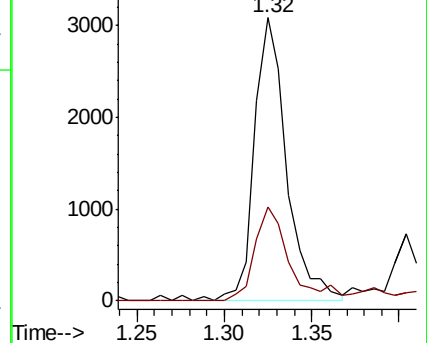
50 100

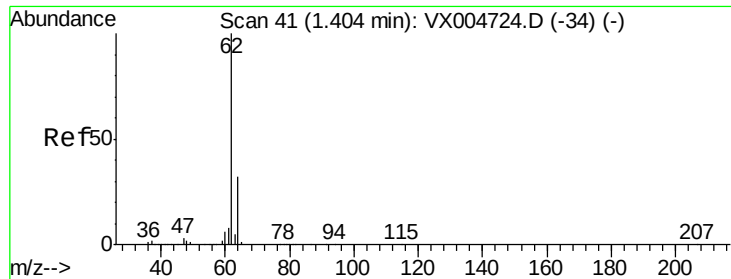
52 33.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 25.821 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004731.D

Acq: 26 Sep 2018 17:28

Instrument :

MSVOA_X

ClientSampleId :

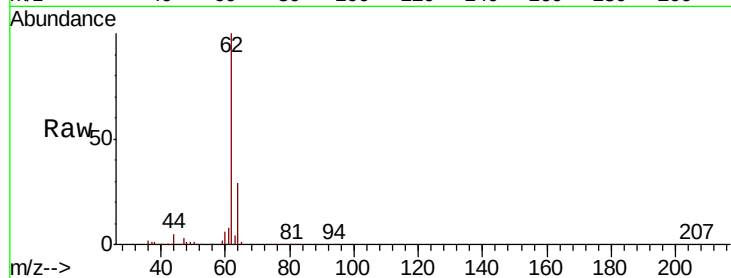
PT-VOA-WPDL

Tot Ion: 62 Resp: 103202

Ion Ratio Lower Upper

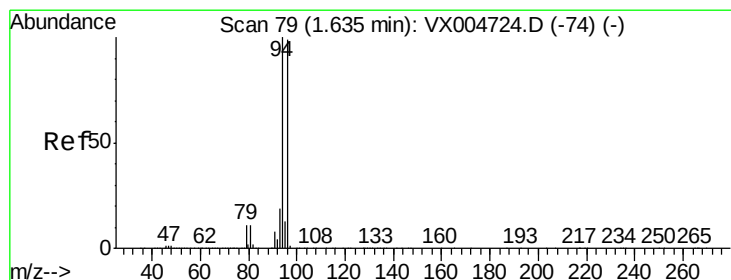
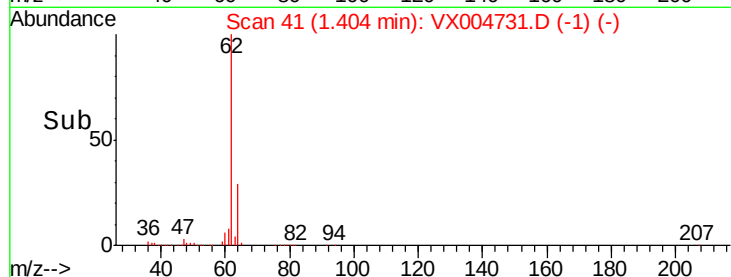
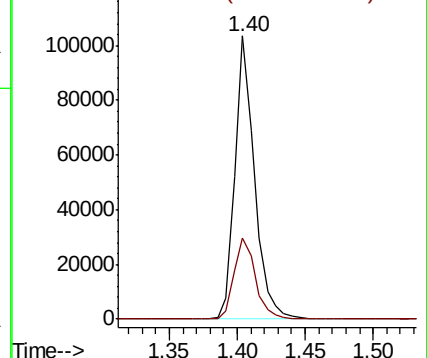
62 100

64 28.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 33.751 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004731.D

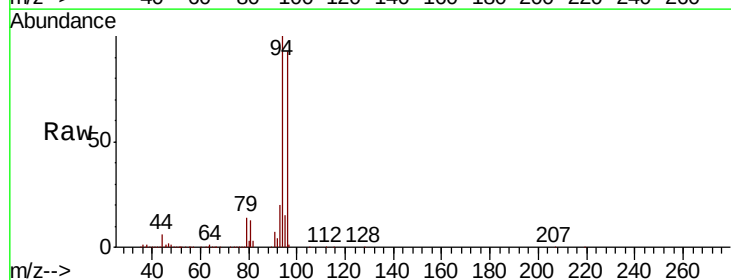
Acq: 26 Sep 2018 17:28

Tgt Ion: 94 Resp: 79994

Ion Ratio Lower Upper

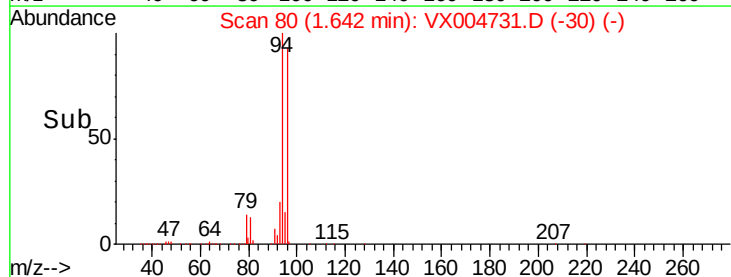
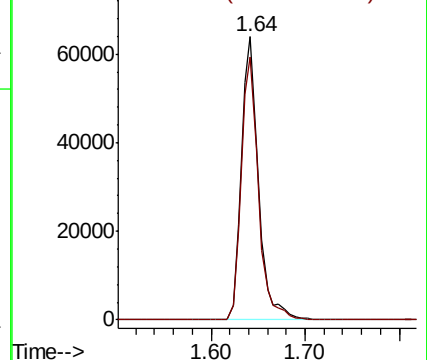
94 100

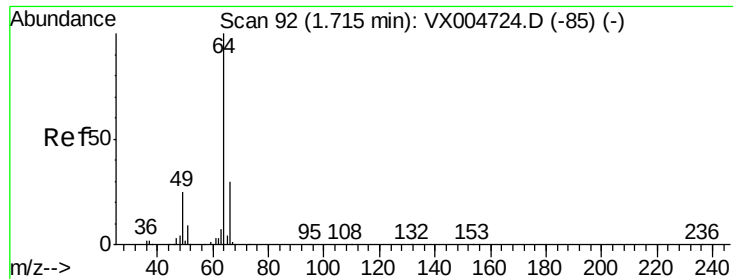
96 93.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 18.007 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004731.D

Acq: 26 Sep 2018 17:28

Instrument :

MSVOA_X

ClientSampleId :

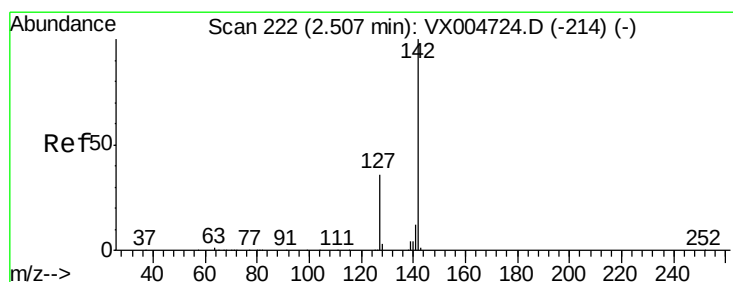
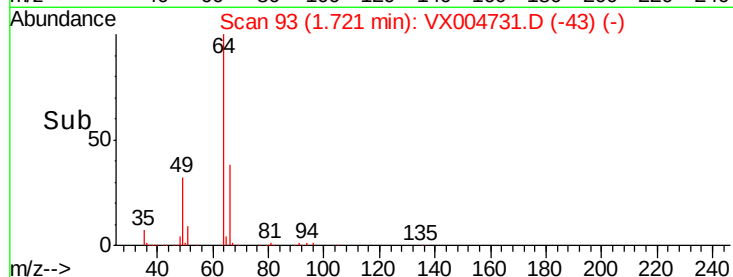
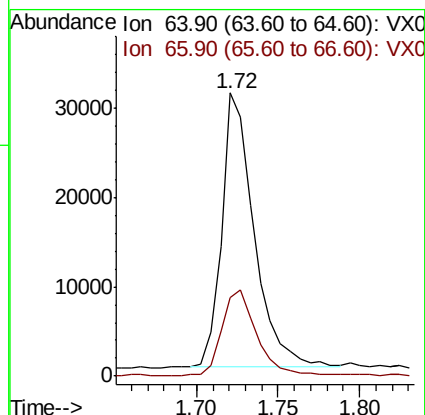
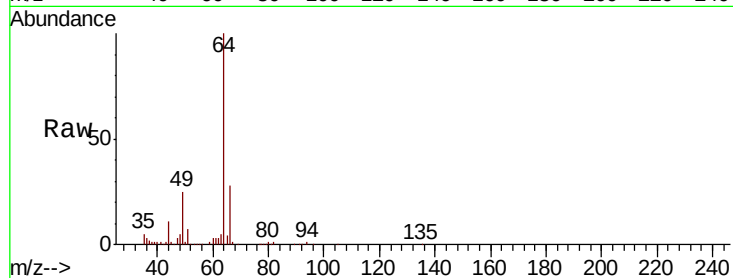
PT-VOA-WPDL

Tot Ion: 64 Resp: 42467

Ion Ratio Lower Upper

64 100

66 28.0 24.6 36.8



#10

Methyl Iodide

Concen: 1.731 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004731.D

Acq: 26 Sep 2018 17:28

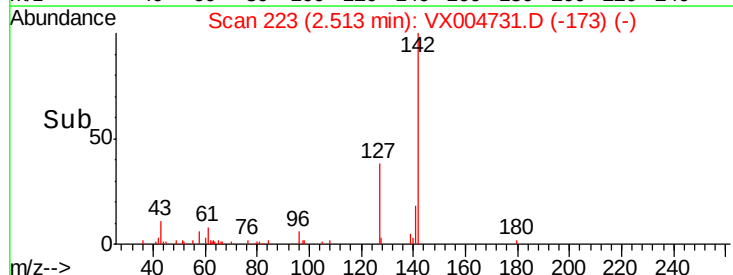
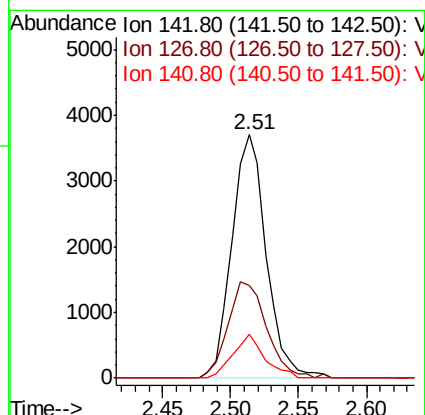
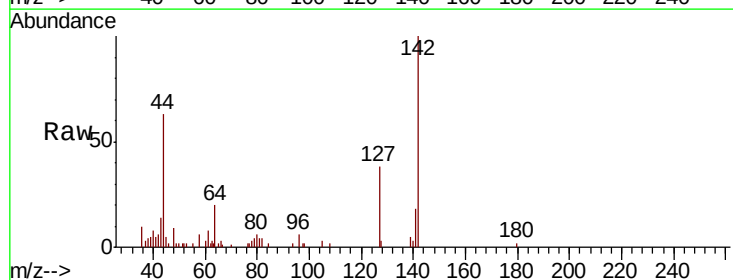
Tgt Ion: 142 Resp: 6529

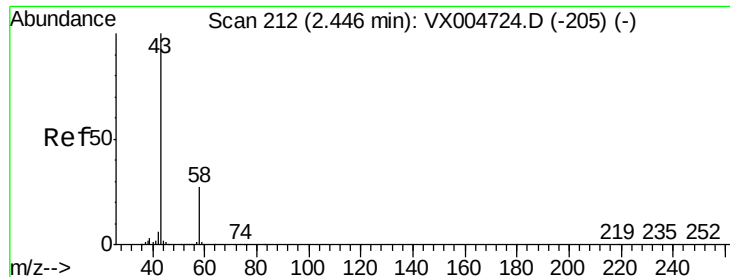
Ion Ratio Lower Upper

142 100

127 44.5 33.8 50.6

141 16.5 11.4 17.0





#16

Acetone

Concen: 72.871 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004731.D

Acq: 26 Sep 2018 17:28

Instrument :

MSVOA_X

ClientSampled :

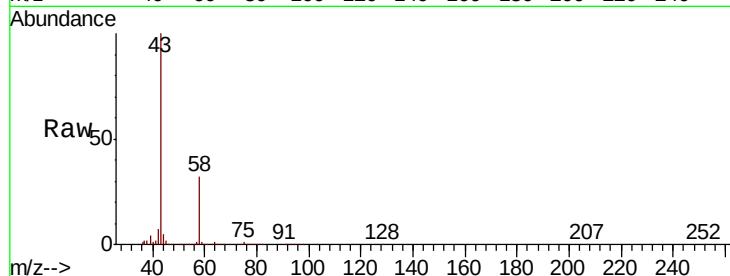
PT-VOA-WPDL

Tot Ion: 43 Resp: 156561

Ion Ratio Lower Upper

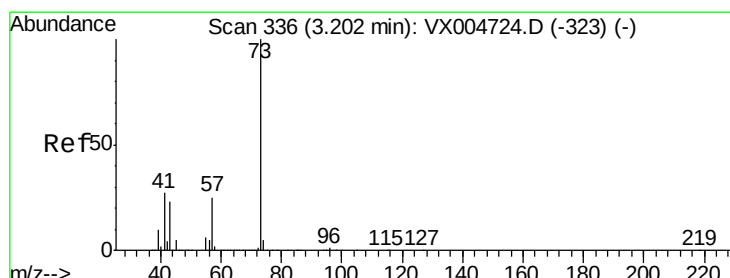
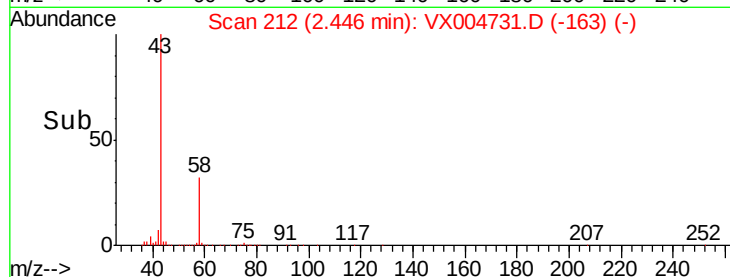
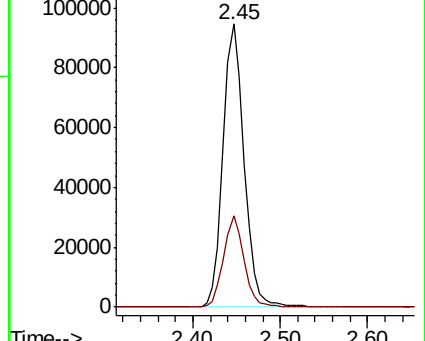
43 100

58 32.3 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#19

Methyl tert-butyl Ether

Concen: 55.272 ug/l

RT: 3.21 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX004731.D

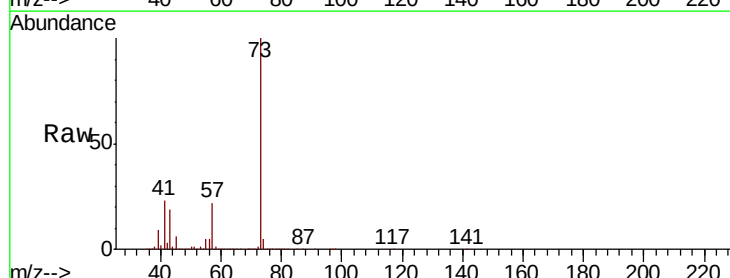
Acq: 26 Sep 2018 17:28

Tgt Ion: 73 Resp: 532167

Ion Ratio Lower Upper

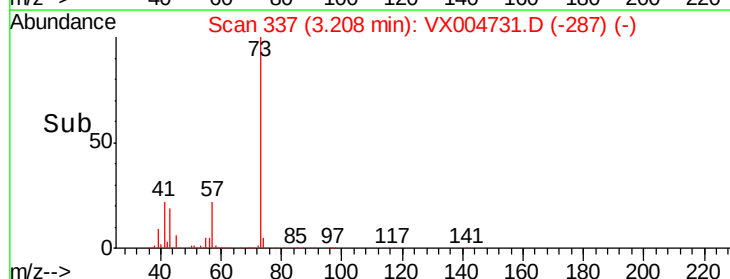
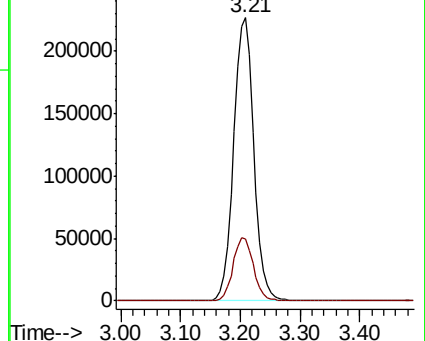
73 100

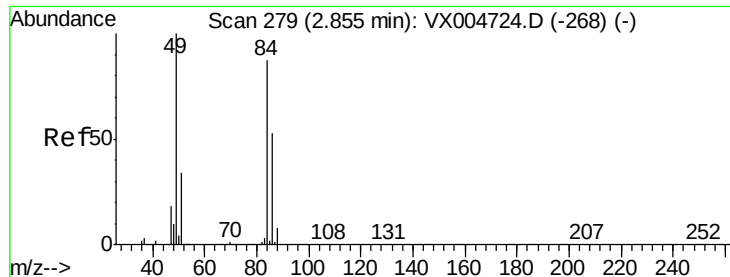
57 21.9 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

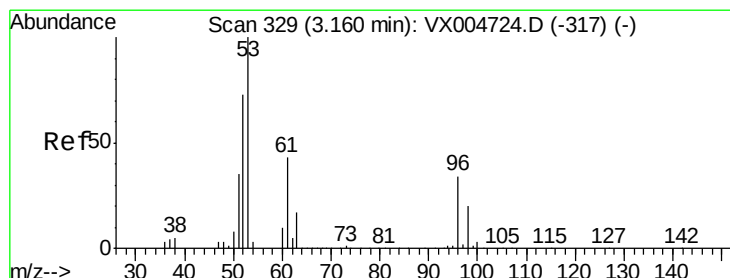
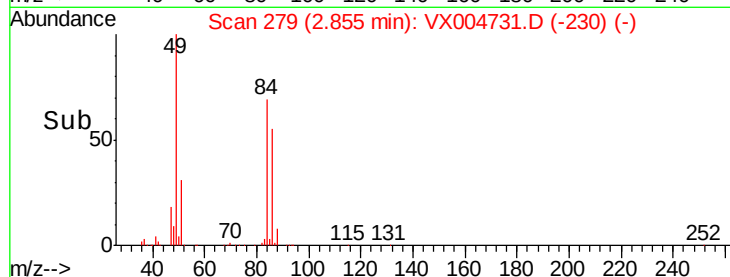
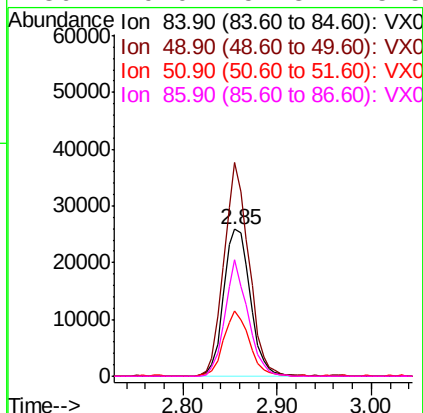
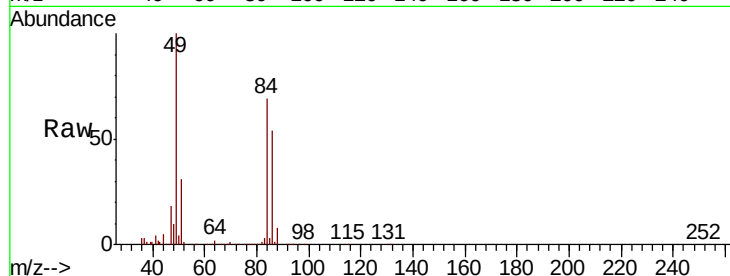




#20
Methylene Chloride
Concen: 15.800 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004731.D
Acq: 26 Sep 2018 17:28

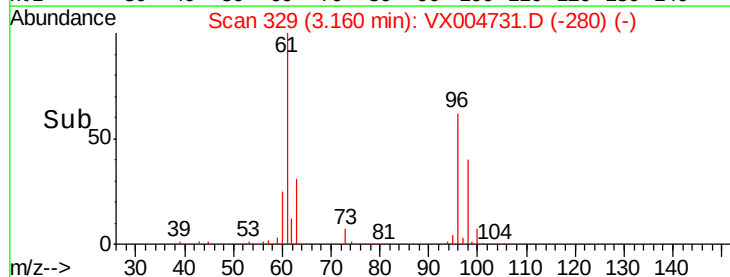
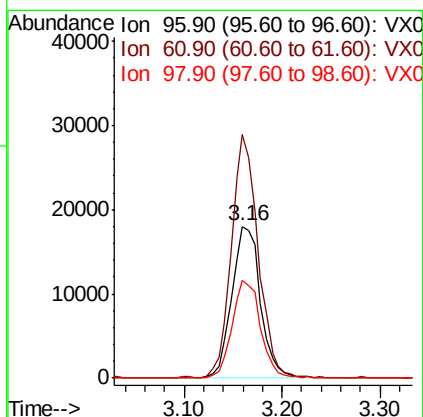
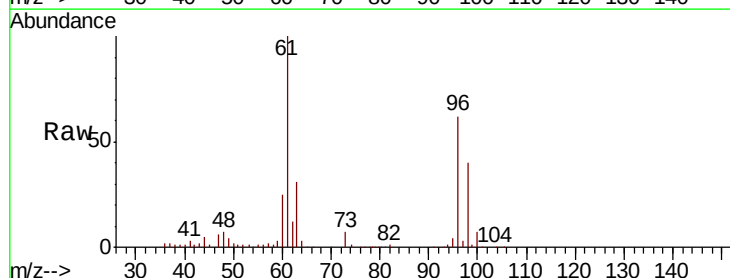
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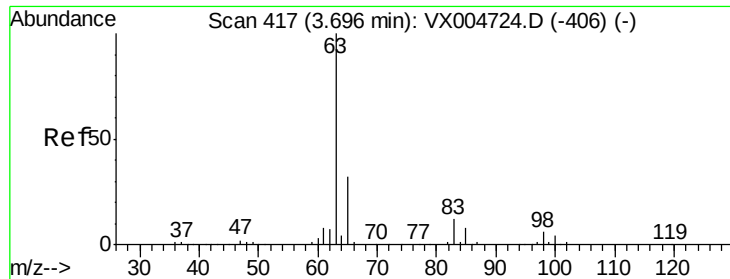
Tot Ion: 84 Resp: 51147
Ion Ratio Lower Upper
84 100
49 145.1 101.2 151.8
51 44.5 29.5 44.3#
86 79.0 52.3 78.5#



#21
trans-1,2-Dichloroethene
Concen: 11.968 ug/l
RT: 3.16 min Scan# 329
Delta R.T. 0.00 min
Lab File: VX004731.D
Acq: 26 Sep 2018 17:28

Tgt Ion: 96 Resp: 36570
Ion Ratio Lower Upper
96 100
61 159.9 113.8 170.6
98 64.6 51.8 77.8

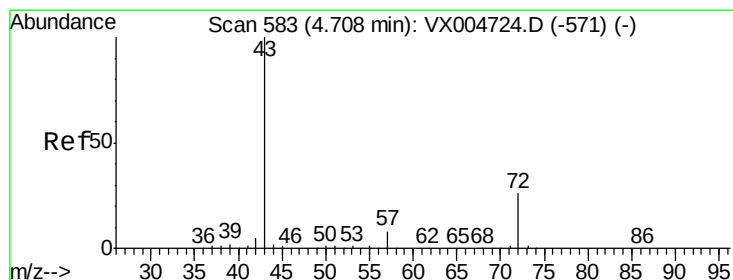
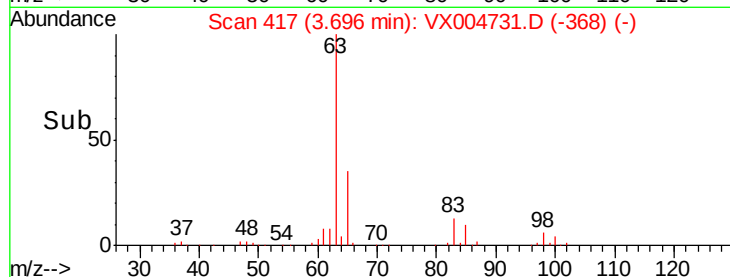
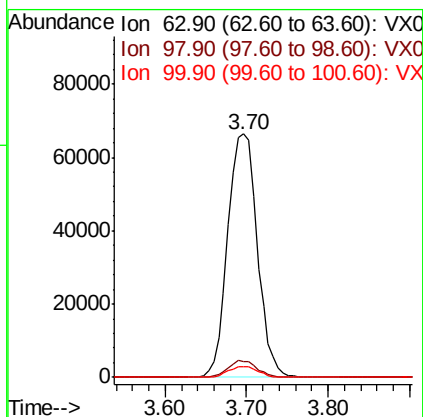
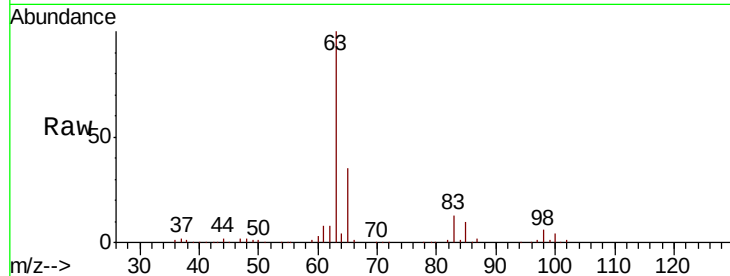




#24
 1,1-Dichloroethane
 Concen: 27.136 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX004731.D
 Acq: 26 Sep 2018 17:28

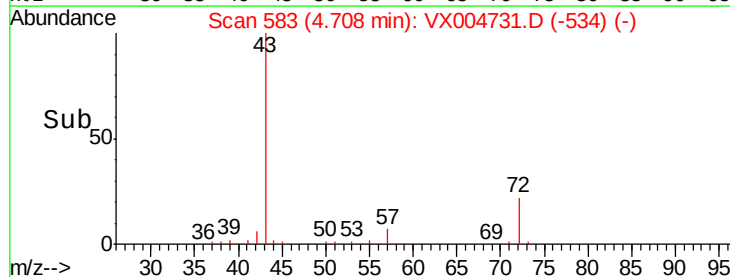
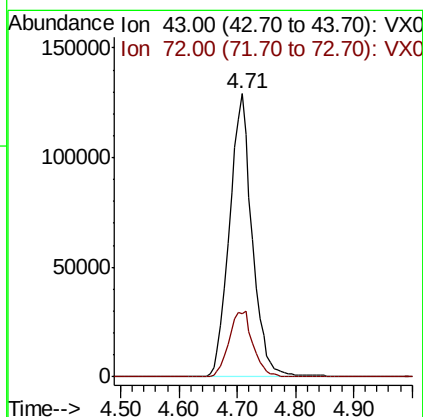
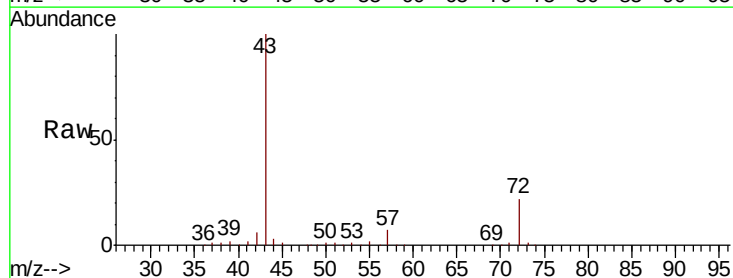
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 ClientSampleId :
 PT-VOA-WPDL

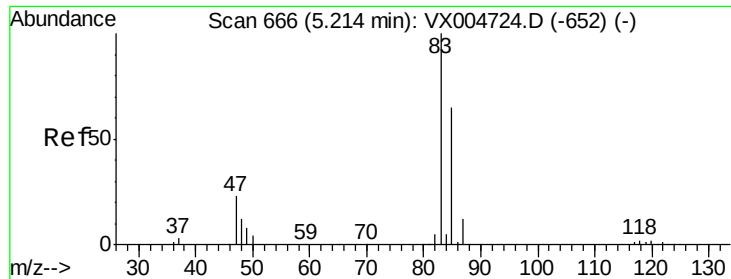
Tot Ion: 63 Resp: 166008
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.5 10.4
 100 4.4 2.4 7.1



#25
 2-Butanone
 Concen: 110.510 ug/l
 RT: 4.71 min Scan# 583
 Delta R.T. 0.00 min
 Lab File: VX004731.D
 Acq: 26 Sep 2018 17:28

Tgt Ion: 43 Resp: 349974
 Ion Ratio Lower Upper
 43 100
 72 22.2 22.0 33.0

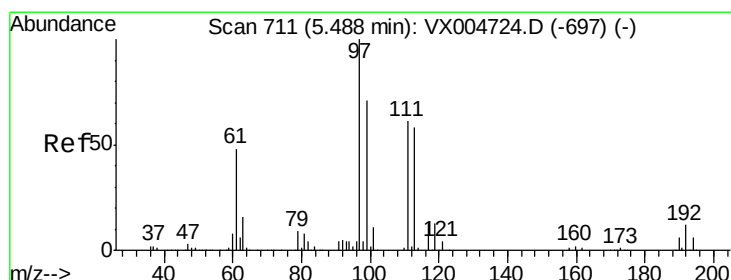
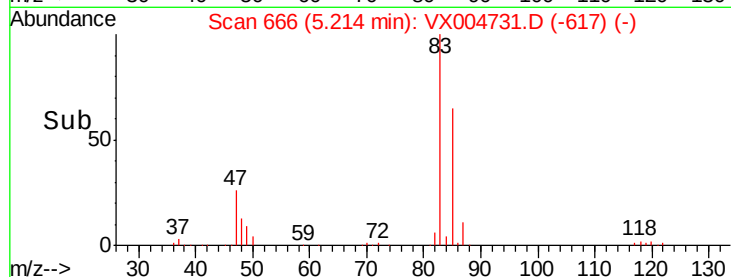
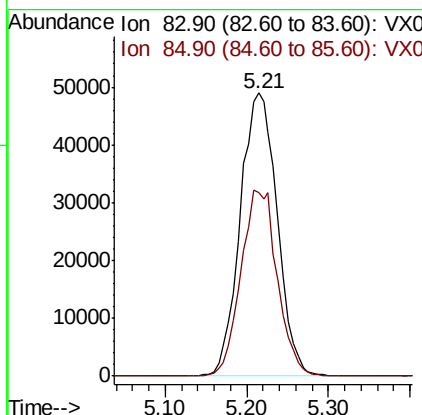
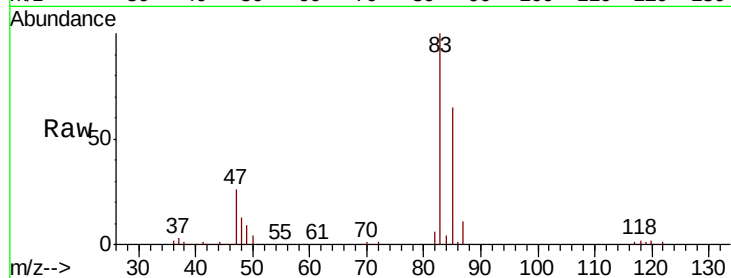




#30
Chloroform
Concen: 26.627 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX004731.D
Acq: 26 Sep 2018 17:28

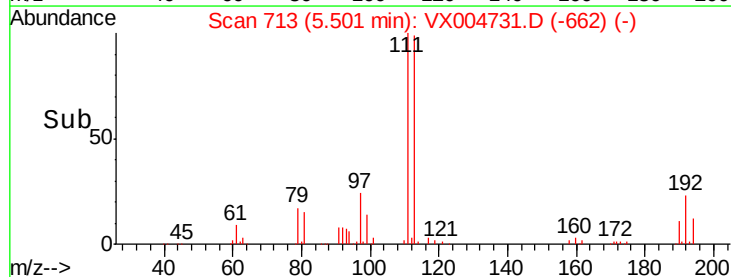
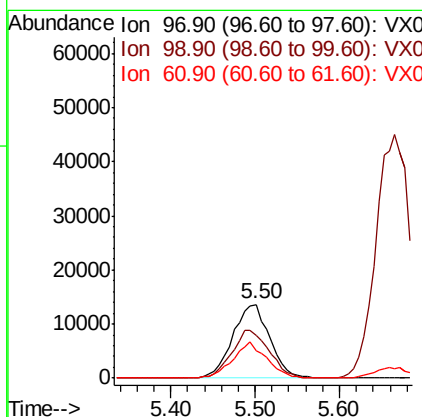
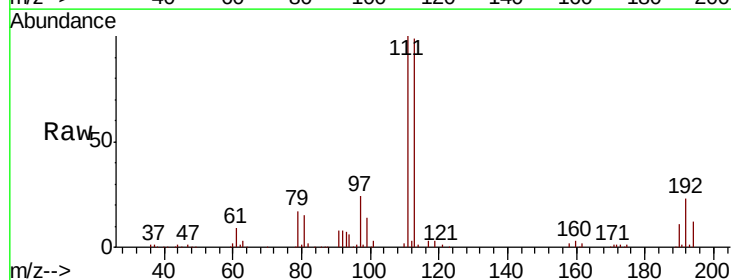
Instrument :
MSVOA_X
ClientSampled :
PT-VOA-WPDL

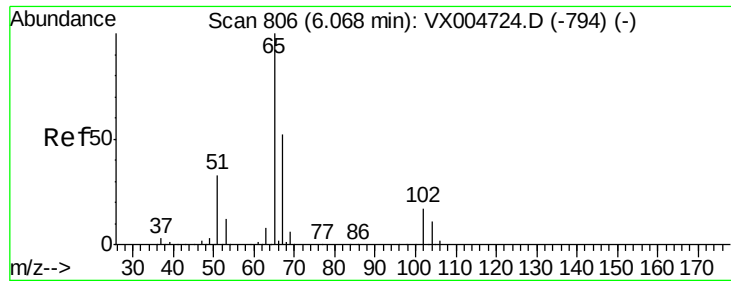
Tot Ion: 83 Resp: 153953
Ion Ratio Lower Upper
83 100
85 64.7 52.6 79.0



#32
1,1,1-Trichloroethane
Concen: 8.603 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX004731.D
Acq: 26 Sep 2018 17:28

Tgt Ion: 97 Resp: 40623
Ion Ratio Lower Upper
97 100
99 66.4 52.0 78.0
61 44.3 34.9 52.3

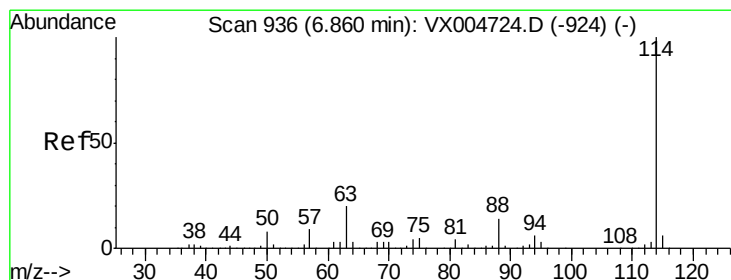
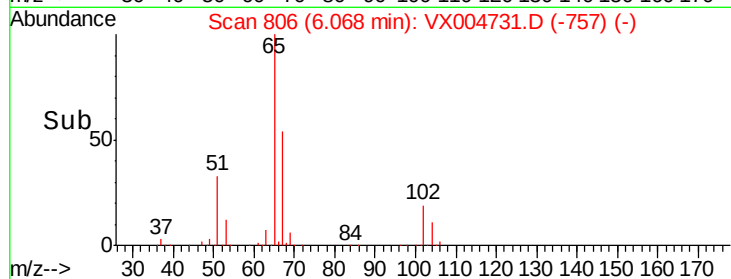
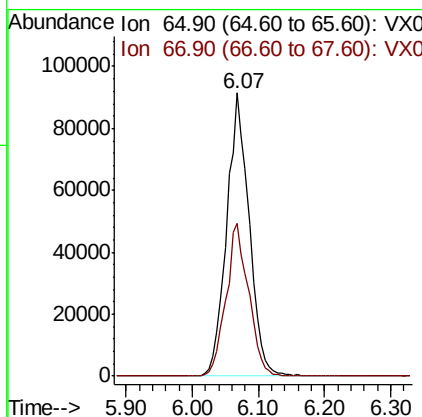
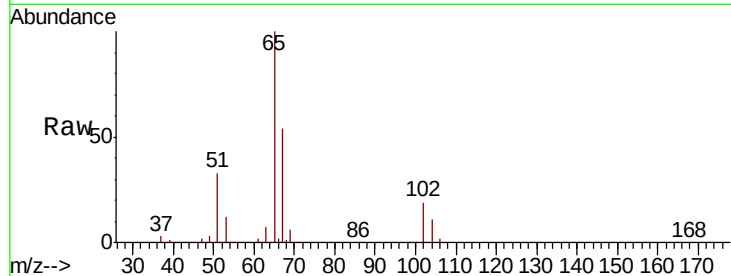




#33
 1,2-Dichloroethane-d4
 Concen: 58.420 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004731.D
 Acq: 26 Sep 2018 17:28

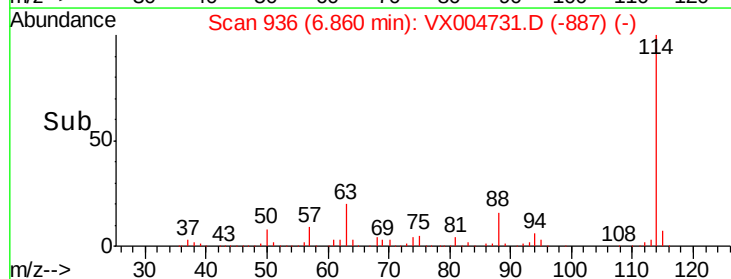
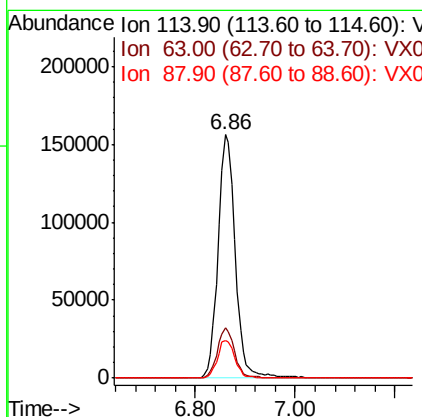
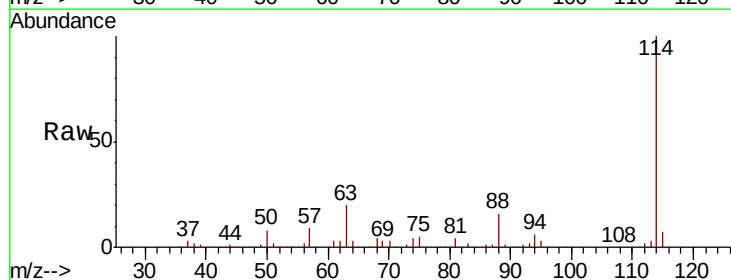
Instrument :
 MSVOA_X
 ClientSampled :
 PT-VOA-WPDL

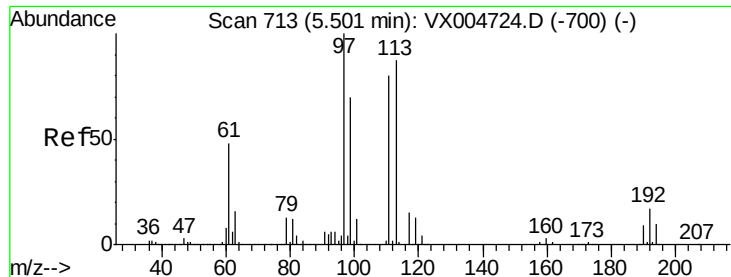
Tot Ion: 65 Resp: 214985
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004731.D
 Acq: 26 Sep 2018 17:28

Tgt Ion: 114 Resp: 374436
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.0
 88 15.6 0.0 30.4

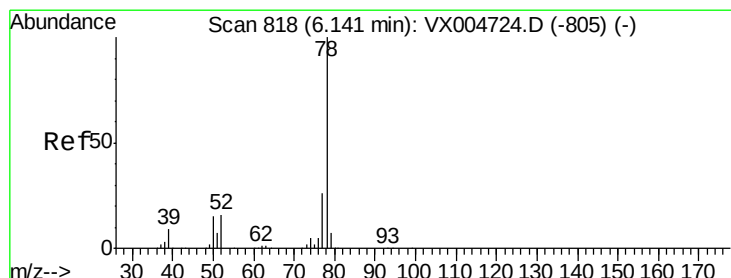
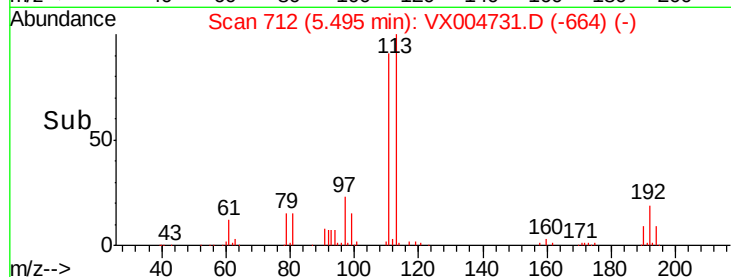
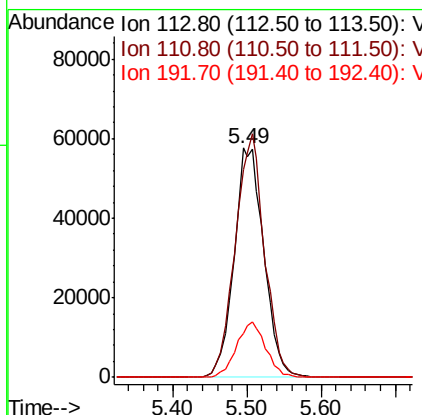
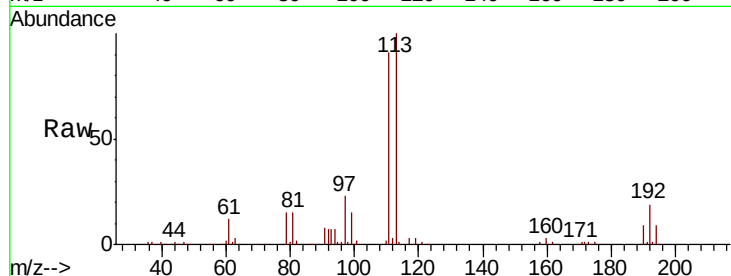




#35
 Dibromofluoromethane
 Concen: 50.915 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX004731.D
 Acq: 26 Sep 2018 17:28

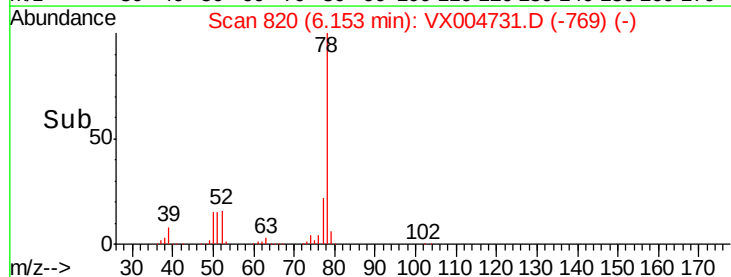
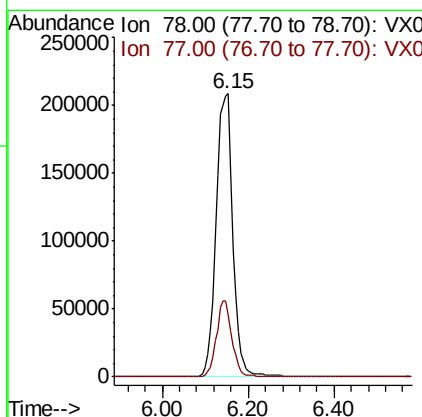
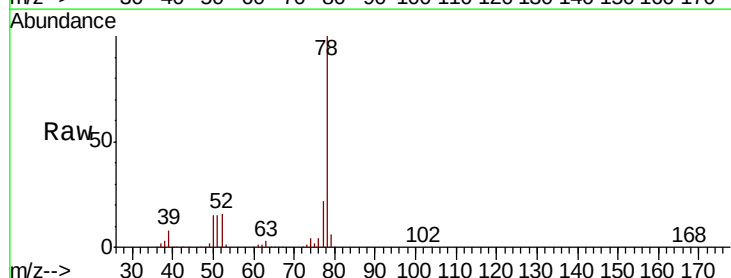
Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WPDL

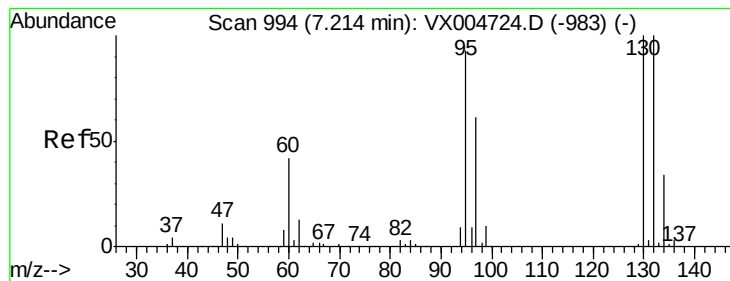
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.4	123.6
192	23.7	19.4	29.2



#40
 Benzene
 Concen: 42.690 ug/l
 RT: 6.15 min Scan# 820
 Delta R.T. 0.01 min
 Lab File: VX004731.D
 Acq: 26 Sep 2018 17:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.0	28.4





#44

Trichloroethene

Concen: 35.230 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX004731.D

Acq: 26 Sep 2018 17:28

Instrument :

MSVOA_X

ClientSampleId :

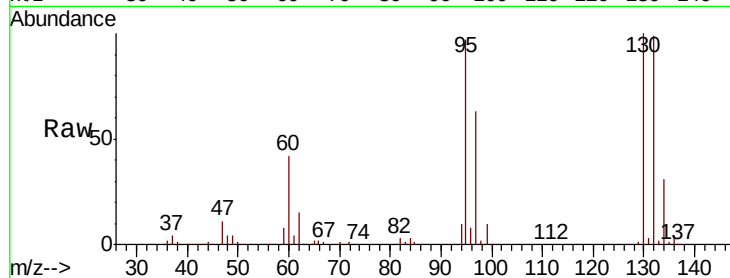
PT-VOA-WPDL

Tot Ion:130 Resp: 117393

Ion Ratio Lower Upper

130 100

95 97.0 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

60000

50000

40000

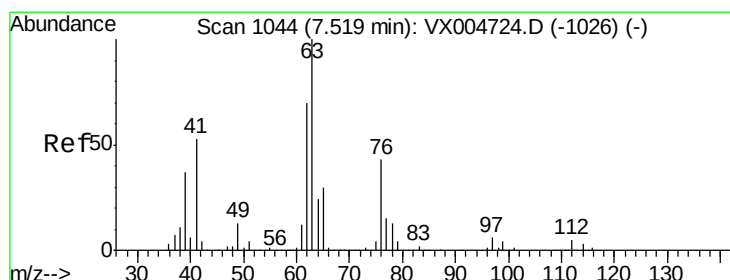
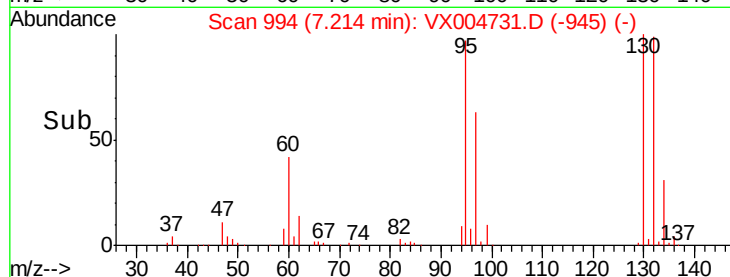
30000

20000

10000

0

Time-->



#45

1,2-Dichloropropane

Concen: 45.788 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX004731.D

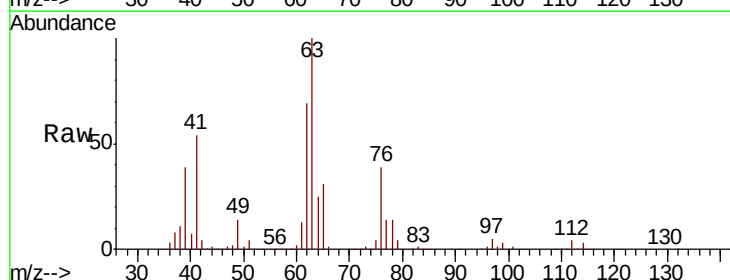
Acq: 26 Sep 2018 17:28

Tgt Ion: 63 Resp: 152205

Ion Ratio Lower Upper

63 100

65 30.8 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

80000

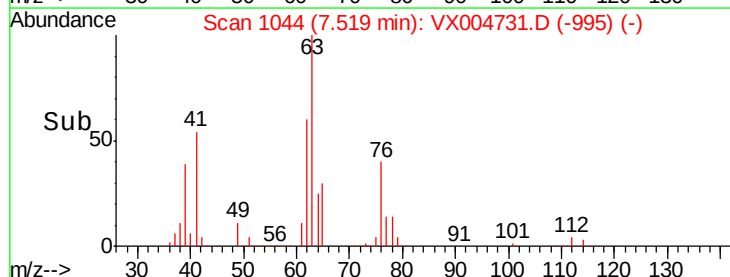
60000

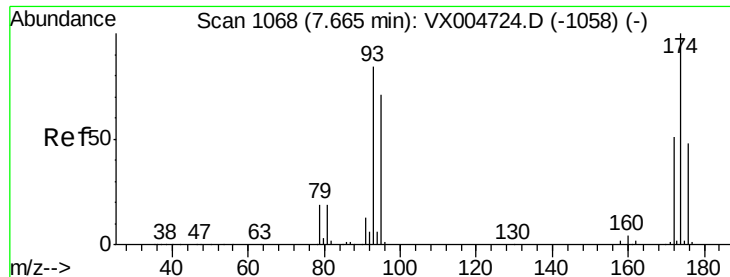
40000

20000

0

Time-->

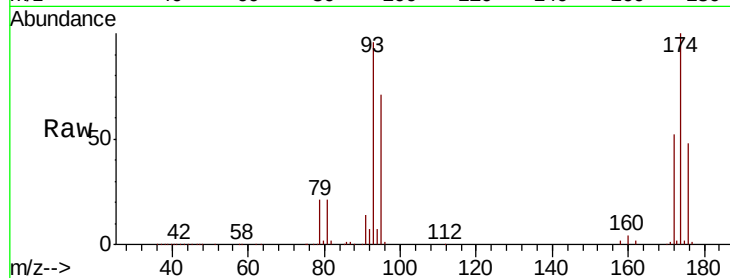




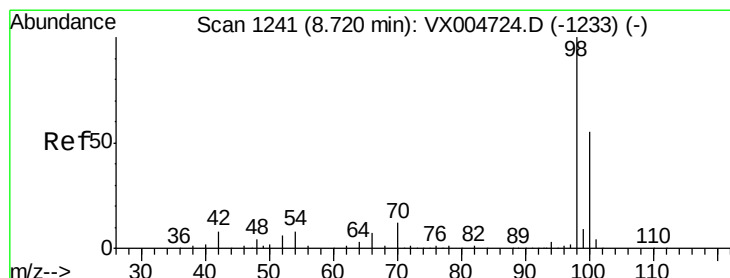
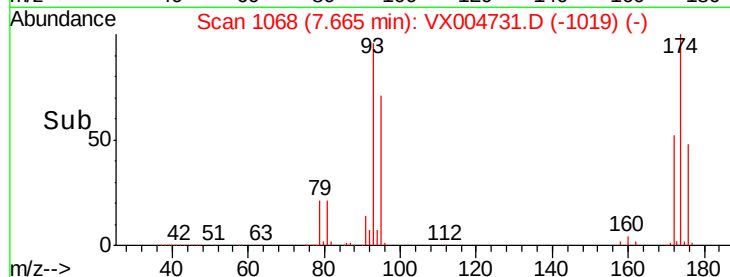
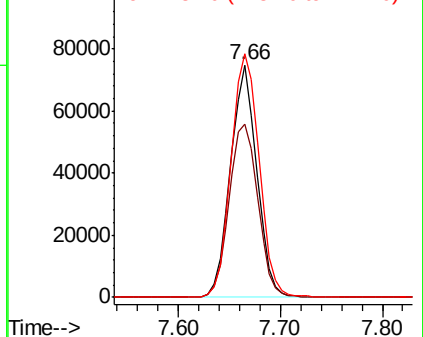
#46
Dibromomethane
Concen: 63.949 ug/l
RT: 7.66 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VX004731.D
Acq: 26 Sep 2018 17:28

Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WPDL

Tot Ion: 93 Resp: 133593
Ion Ratio Lower Upper
93 100
95 81.5 65.5 98.3
174 111.5 94.2 141.4

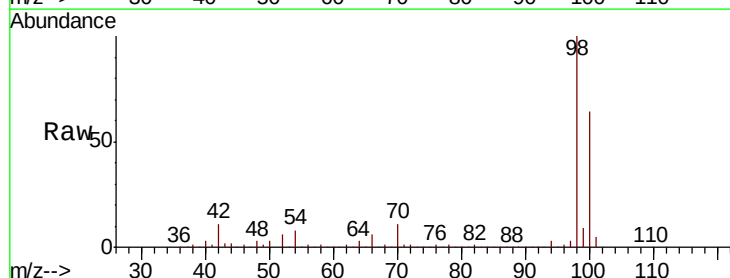


Abundance Ion 92.80 (92.50 to 93.50): VX0
Ion 94.80 (94.50 to 95.50): VX0
Ion 173.70 (173.40 to 174.40): V

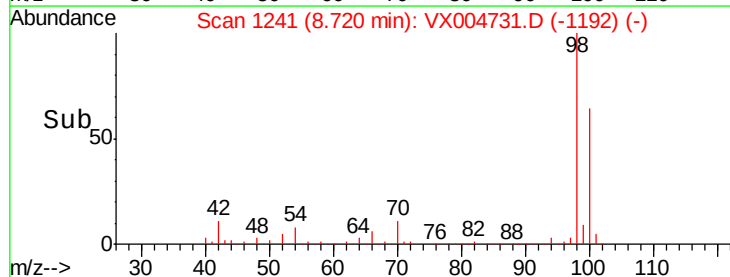
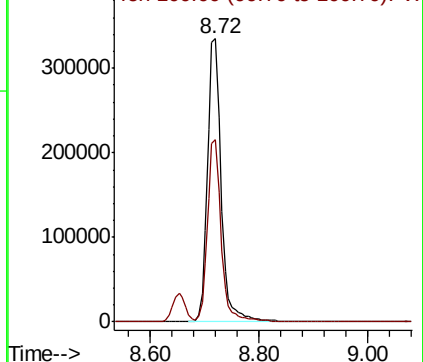


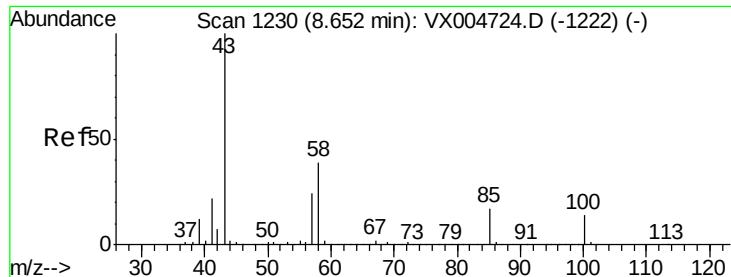
#50
Toluene-d8
Concen: 55.414 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004731.D
Acq: 26 Sep 2018 17:28

Tgt Ion: 98 Resp: 584612
Ion Ratio Lower Upper
98 100
100 63.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 79.632 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX004731.D

Acq: 26 Sep 2018 17:28

Instrument :

MSVOA_X

ClientSampled :

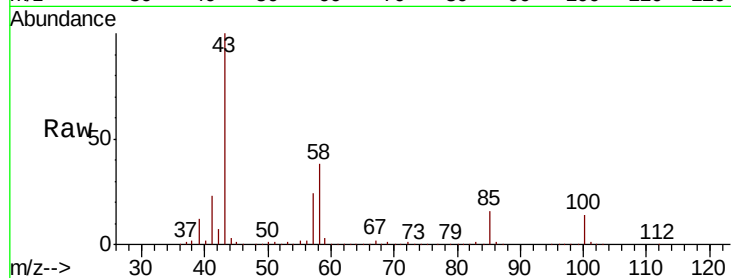
PT-VOA-WPDL

Tot Ion: 43 Resp: 415926

Ion Ratio Lower Upper

43 100

58 36.7 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

250000

200000

150000

100000

50000

0

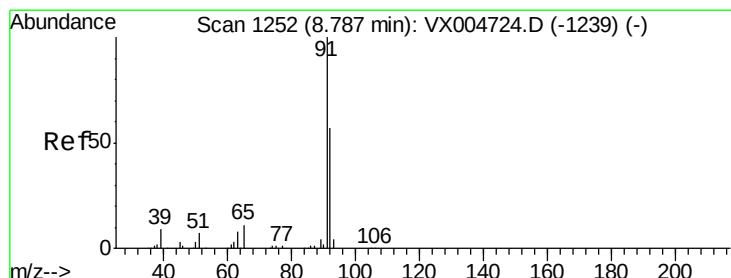
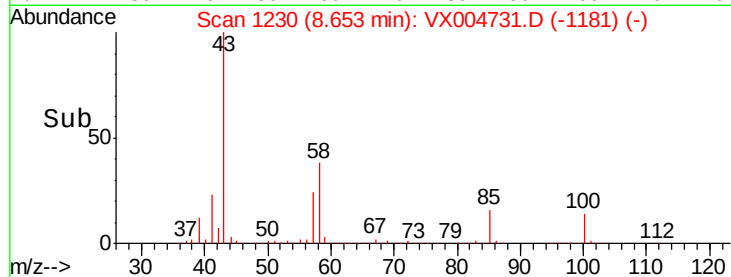
8.60

8.65

8.70

8.80

Time-->



#52

Toluene

Concen: 27.401 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004731.D

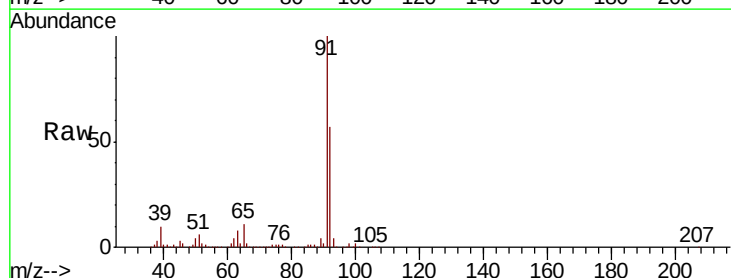
Acq: 26 Sep 2018 17:28

Tgt Ion: 92 Resp: 204088

Ion Ratio Lower Upper

92 100

91 173.2 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

150000

100000

50000

0

8.70

8.75

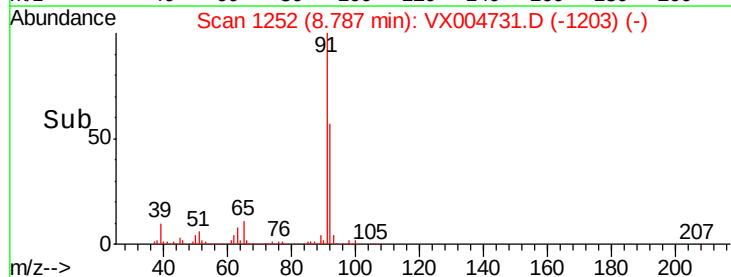
8.80

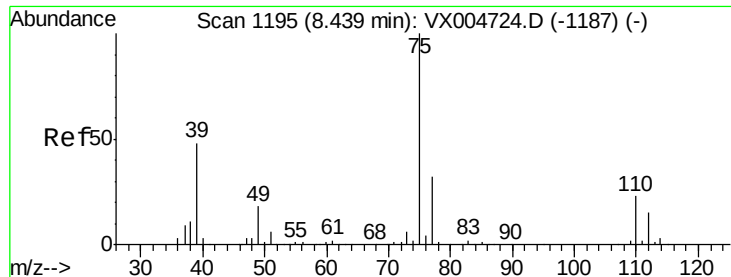
8.85

8.90

9.00

Time-->



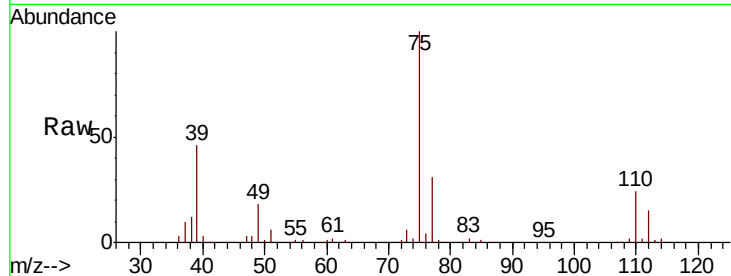


#54

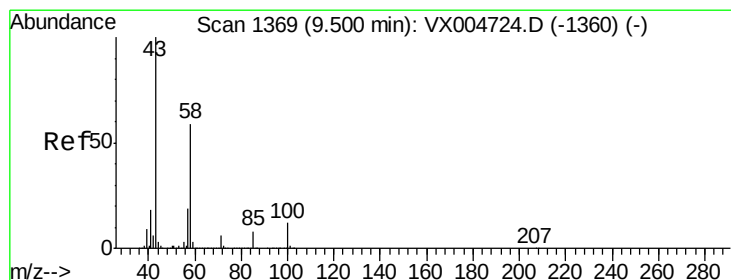
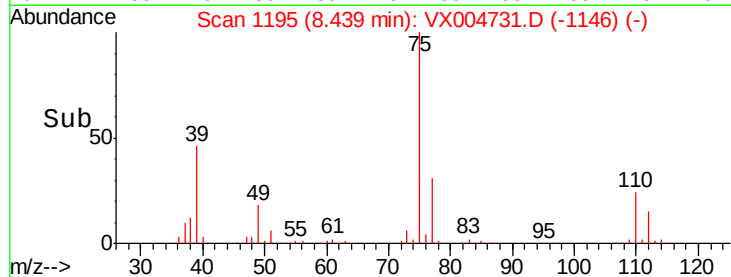
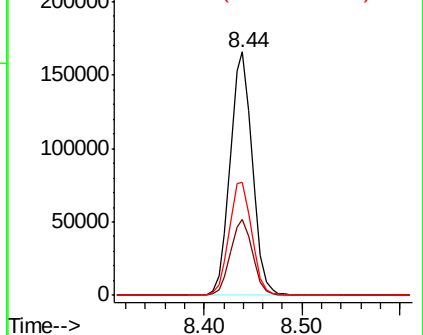
cis-1,3-Dichloropropene
 Concen: 56.428 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: VX004731.D
 Acq: 26 Sep 2018 17:28

Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WPDL

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.2	39.2
39	46.3	36.4	54.6



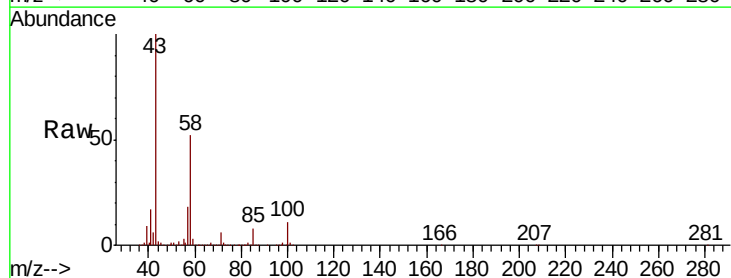
Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 76.90 (76.60 to 77.60): VX0
 Ion 39.00 (38.70 to 39.70): VX0



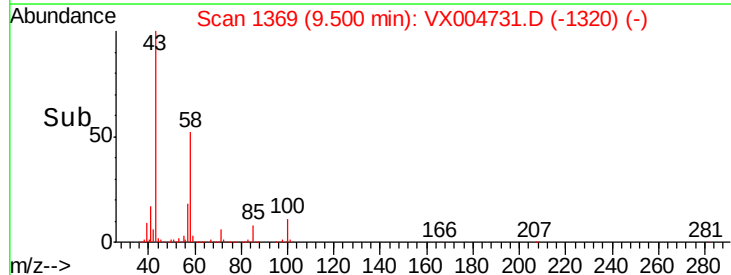
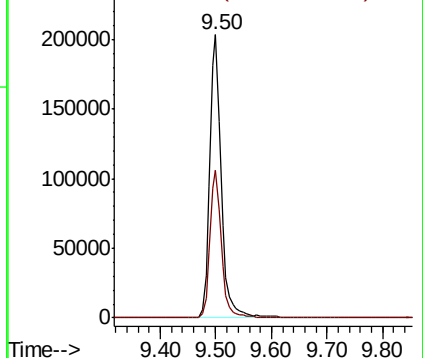
#59

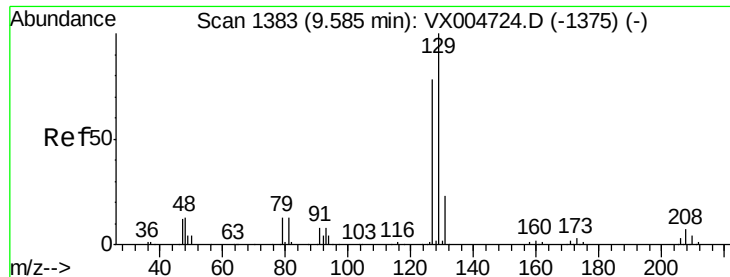
2-Hexanone
 Concen: 68.188 ug/l
 RT: 9.50 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VX004731.D
 Acq: 26 Sep 2018 17:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.1	29.0	87.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

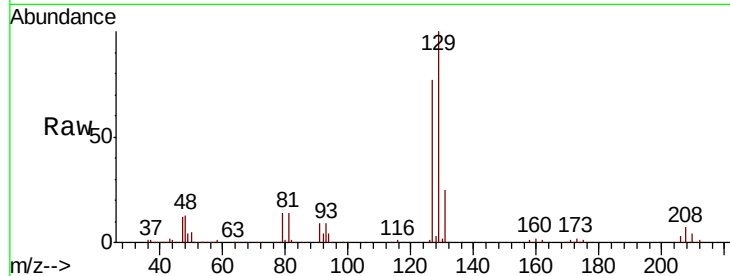




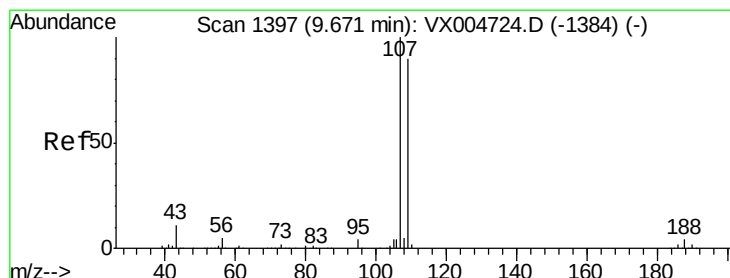
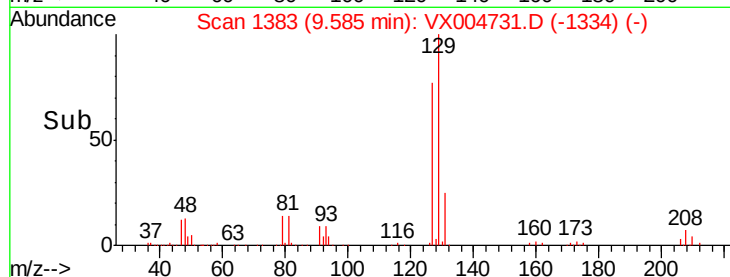
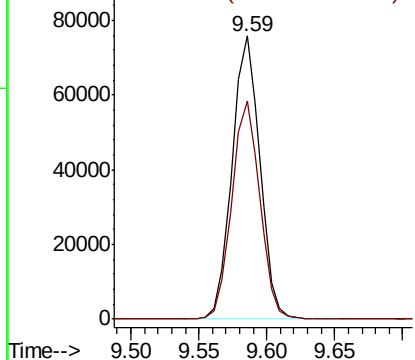
#60
 Dibromochloromethane
 Concen: 33.069 ug/l
 RT: 9.59 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VX004731.D
 Acq: 26 Sep 2018 17:28

Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WPDL

Tot Ion:129 Resp: 107899
 Ion Ratio Lower Upper
 129 100
 127 77.7 38.5 115.5

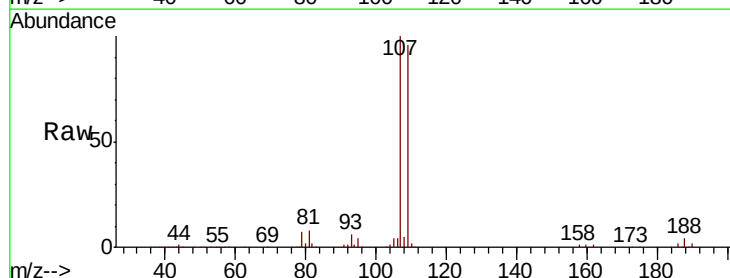


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

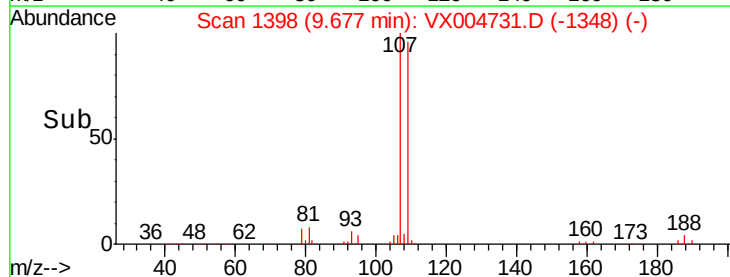
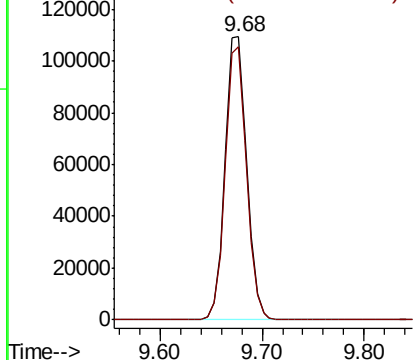


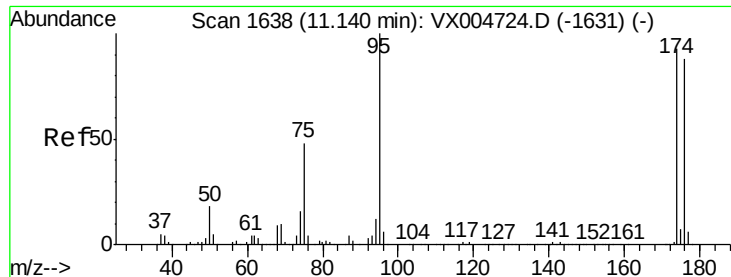
#61
 1,2-Dibromoethane
 Concen: 46.082 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. 0.01 min
 Lab File: VX004731.D
 Acq: 26 Sep 2018 17:28

Tgt Ion:107 Resp: 161014
 Ion Ratio Lower Upper
 107 100
 109 94.8 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V

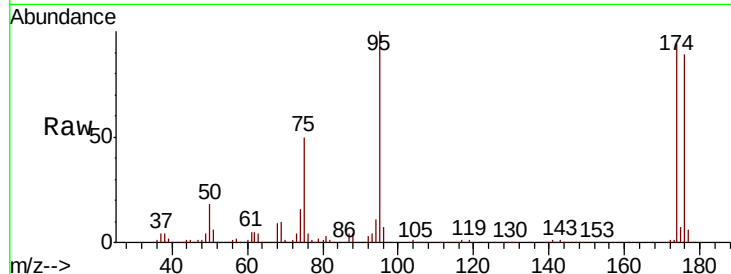




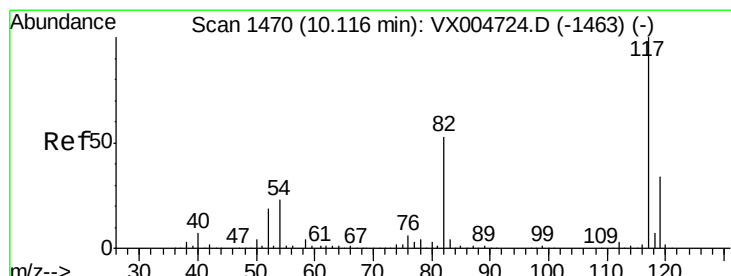
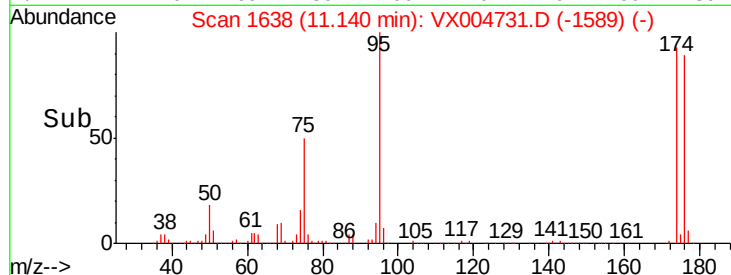
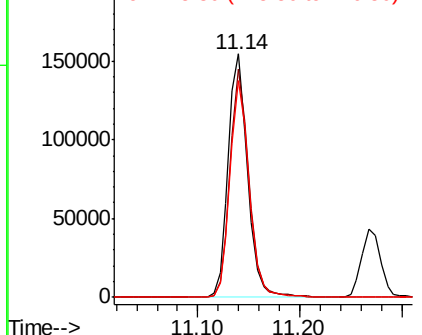
#62
4-Bromofluorobenzene
Concen: 53.293 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004731.D
Acq: 26 Sep 2018 17:28

Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WPDL

Tot Ion	Ratio	Lower	Upper
95	100		
174	91.8	0.0	185.2
176	88.0	0.0	178.6

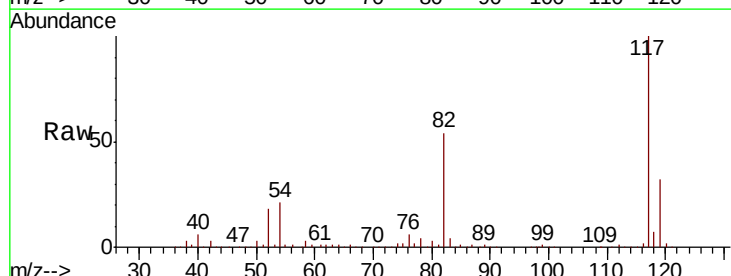


Abundance Ion 94.90 (94.60 to 95.60): VX004724.D (-1631) (-)
Ion 173.80 (173.50 to 174.50): VX004724.D (-1631) (-)
Ion 175.80 (175.50 to 176.50): VX004724.D (-1631) (-)

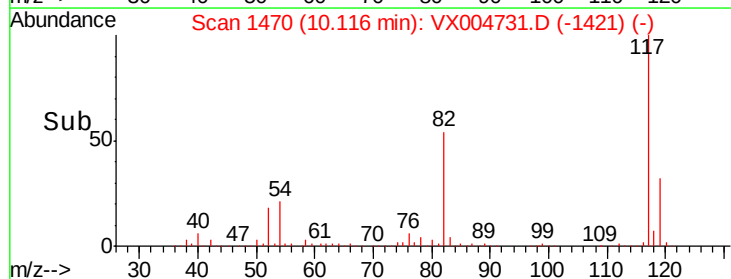
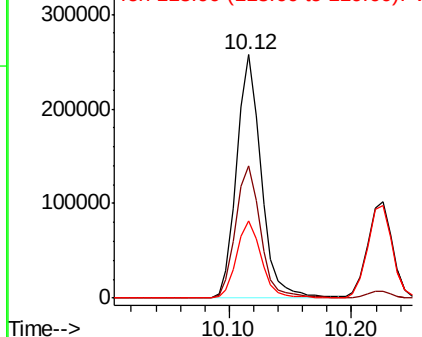


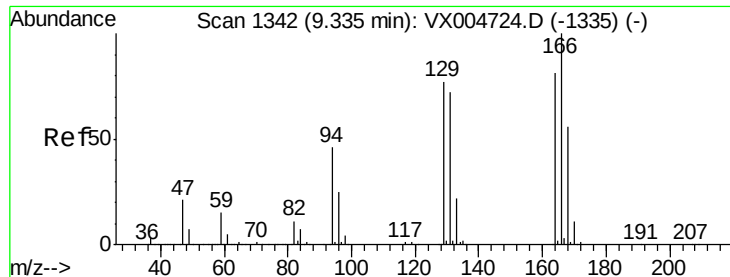
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004731.D
Acq: 26 Sep 2018 17:28

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.3	47.8	71.6
119	31.8	29.3	43.9



Abundance Ion 116.90 (116.60 to 117.60): VX004724.D (-1463) (-)
Ion 82.00 (81.70 to 82.70): VX004724.D (-1463) (-)
Ion 118.90 (118.60 to 119.60): VX004724.D (-1463) (-)





#64

Tetrachloroethene

Concen: 23.167 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX004731.D

Acq: 26 Sep 2018 17:28

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WPDL

Tot Ion:164 Resp: 81364

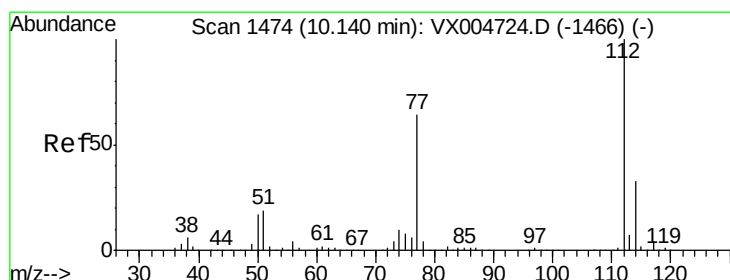
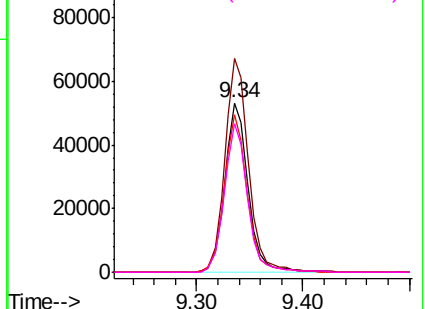
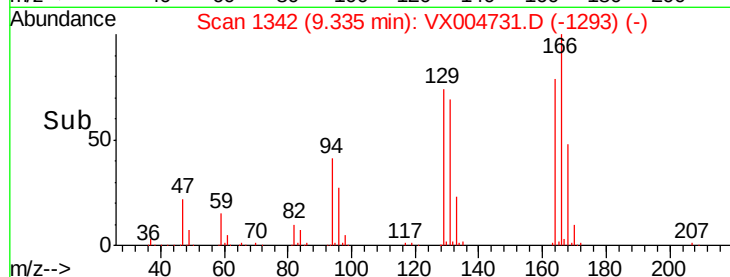
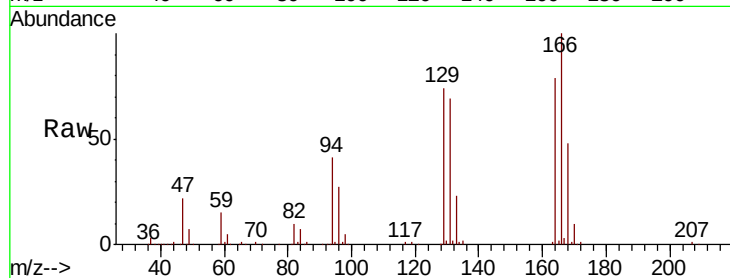
Ion Ratio Lower Upper

164 100

166 126.1 102.8 154.2

129 93.1 69.4 104.0

131 87.5 67.9 101.9



#65

Chlorobenzene

Concen: 20.293 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX004731.D

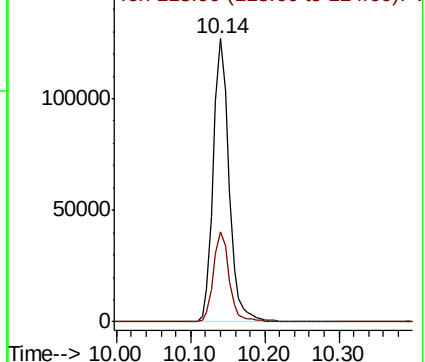
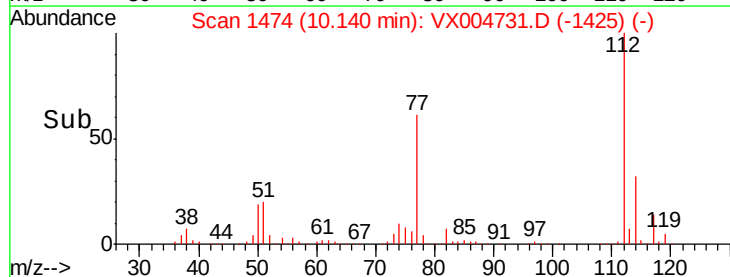
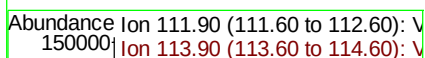
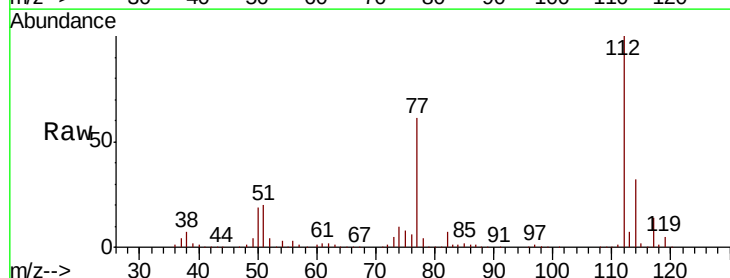
Acq: 26 Sep 2018 17:28

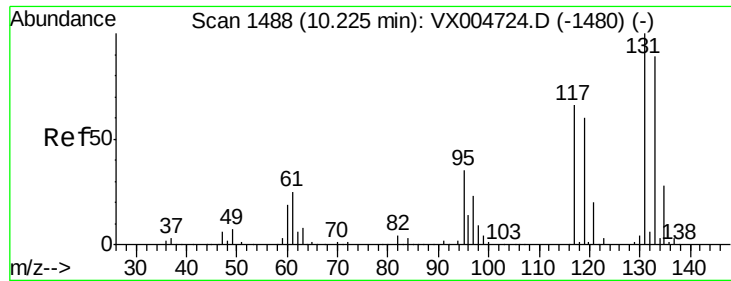
Tgt Ion:112 Resp: 185687

Ion Ratio Lower Upper

112 100

114 31.9 27.8 41.8





#66

1,1,1,2-Tetrachloroethane

Concen: 65.690 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VX004731.D

Acq: 26 Sep 2018 17:28

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WPDL

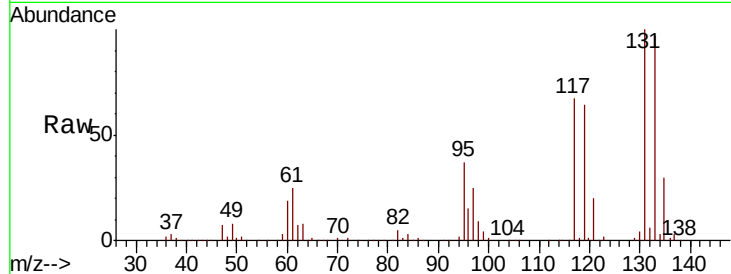
Tot Ion:131 Resp: 211315

Ion Ratio Lower Upper

131 100

133 95.7 48.1 144.4

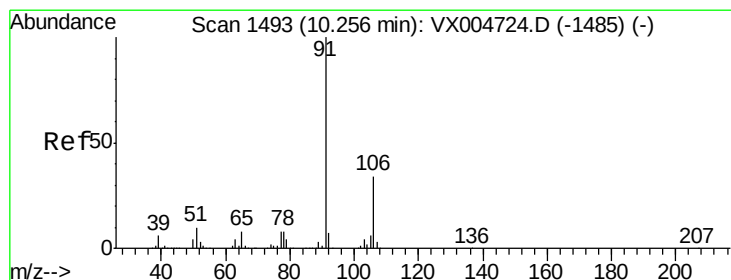
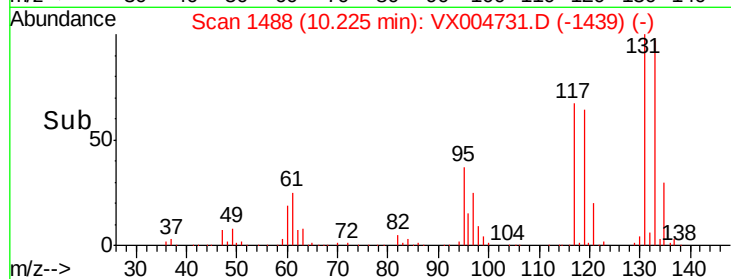
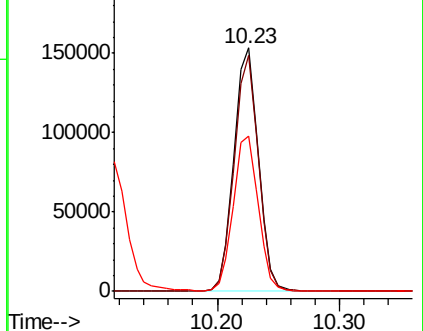
119 65.3 32.9 98.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 7.946 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX004731.D

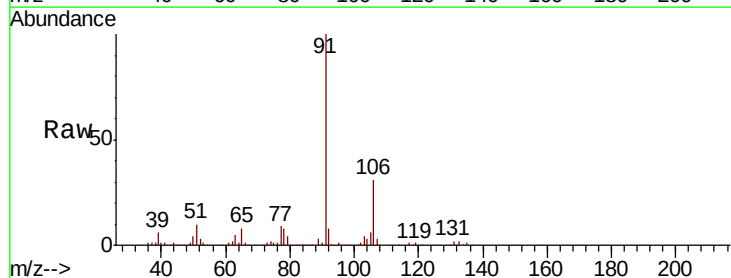
Acq: 26 Sep 2018 17:28

Tgt Ion: 91 Resp: 115438

Ion Ratio Lower Upper

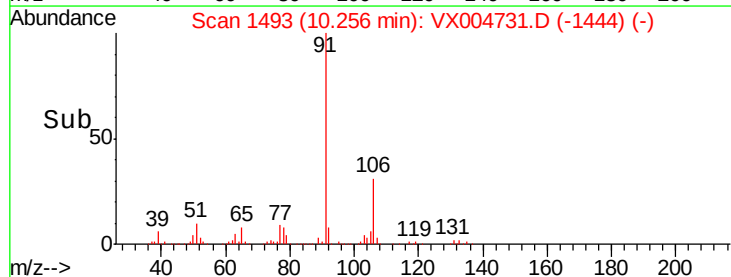
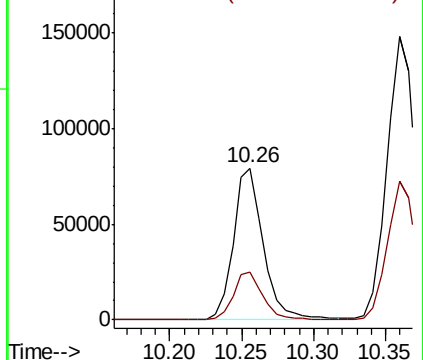
91 100

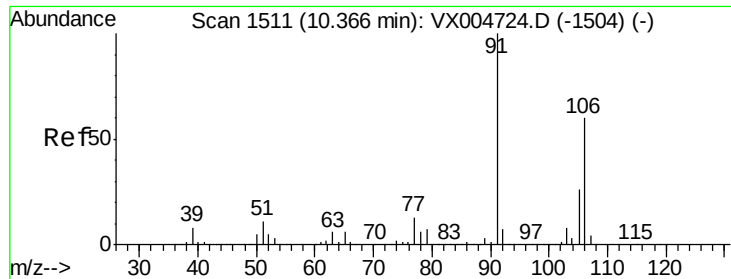
106 31.3 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

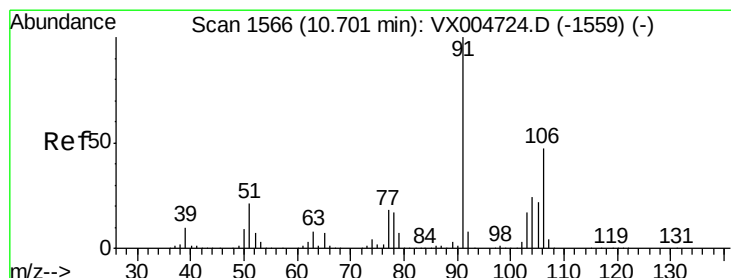
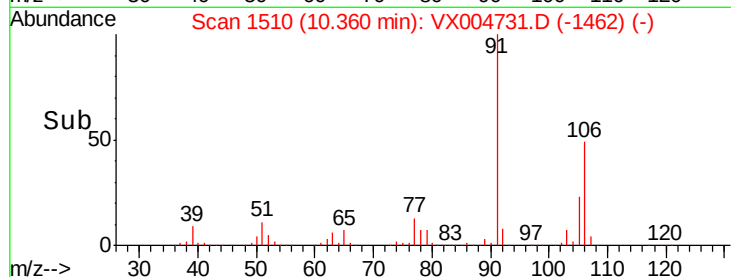
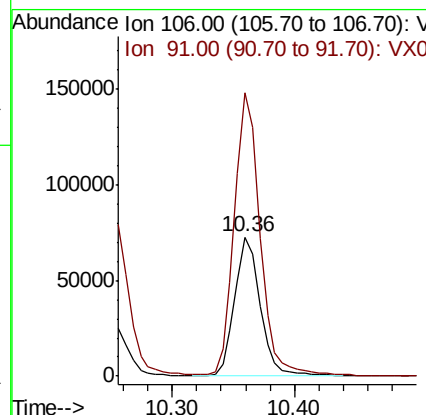
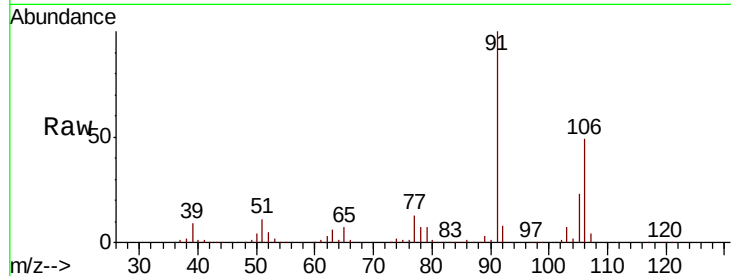




#68
m/p-Xylenes
Concen: 18.347 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004731.D
Acq: 26 Sep 2018 17:28

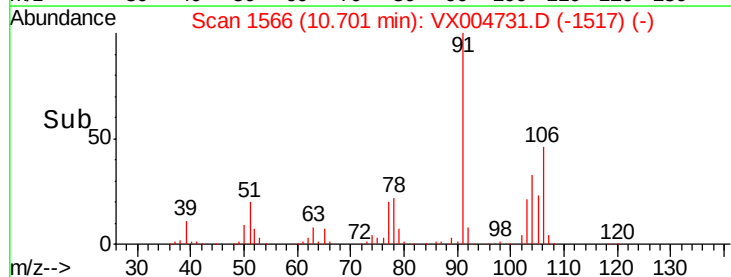
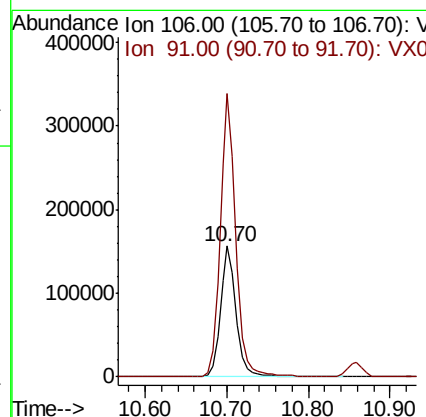
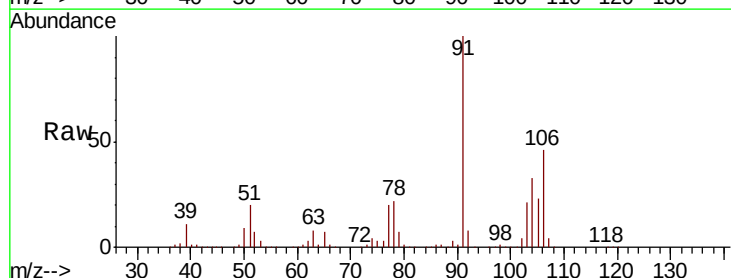
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WPDL

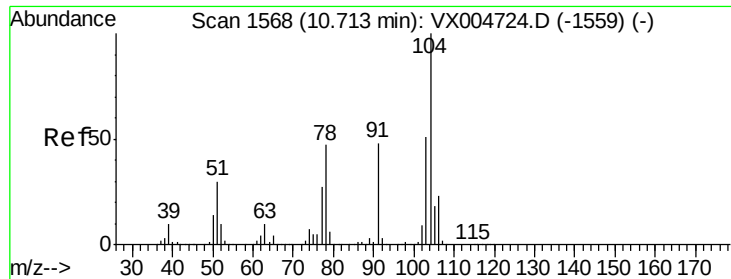
Tot Ion:106 Resp: 104152
Ion Ratio Lower Upper
106 100
91 209.1 157.1 235.7



#69
o-Xylene
Concen: 40.333 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004731.D
Acq: 26 Sep 2018 17:28

Tgt Ion:106 Resp: 210302
Ion Ratio Lower Upper
106 100
91 215.6 105.1 315.1





#70

Stvrene

Concen: 54.190 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX004731.D

Acq: 26 Sep 2018 17:28

Instrument :

MSVOA_X

ClientSampled :

PT-VOA-WPDL

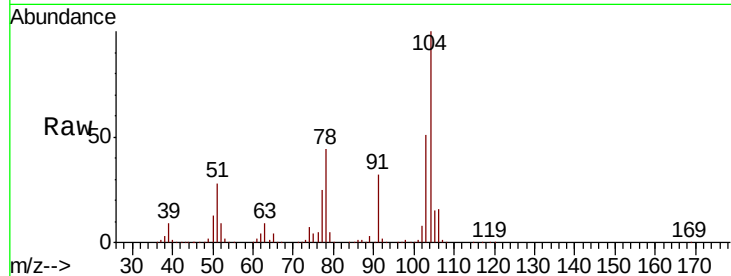
Tot Ion:104 Resp: 530290

Ion Ratio Lower Upper

104 100

78 47.3 37.4 56.0

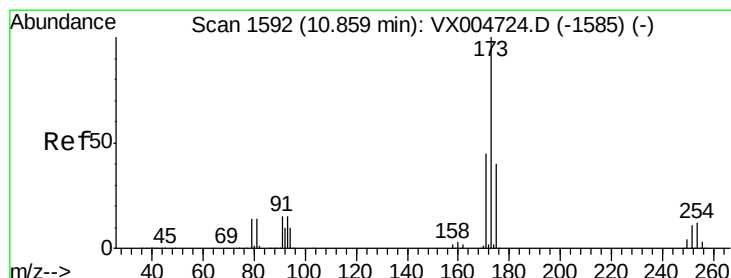
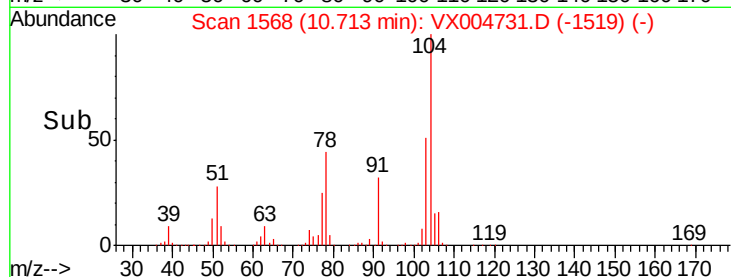
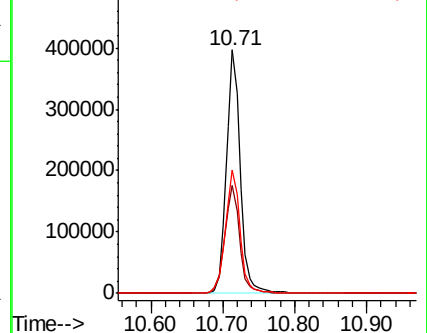
103 53.5 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 43.956 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004731.D

Acq: 26 Sep 2018 17:28

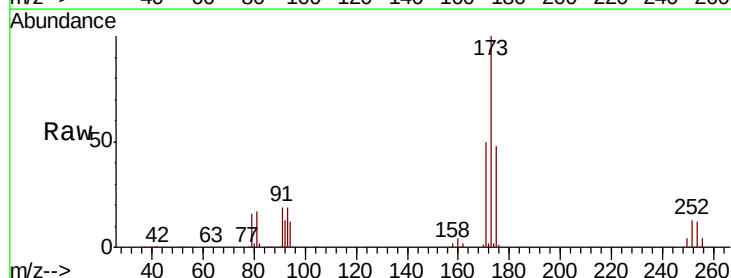
Tgt Ion:173 Resp: 121056

Ion Ratio Lower Upper

173 100

175 47.9 24.1 72.3

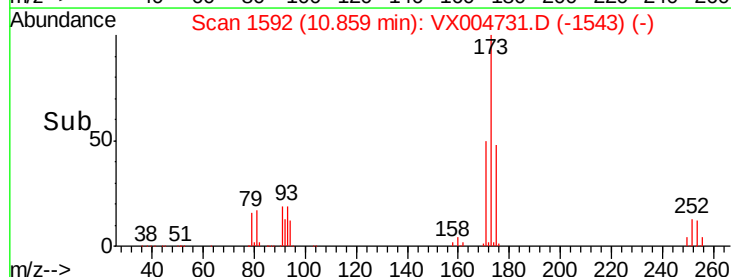
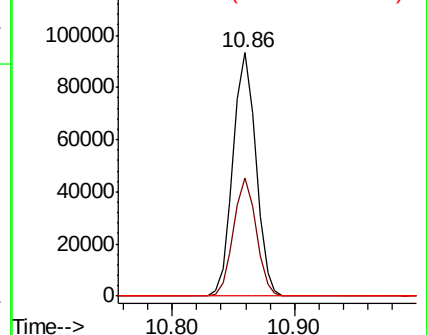
254 0.2 0.2 0.2

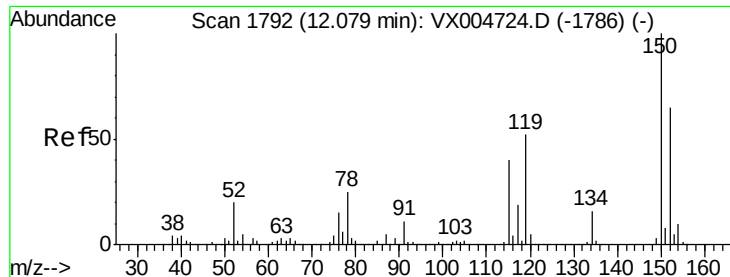


Abundance Ion 172.70 (172.40 to 173.40): V

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. 0.00 min

Lab File: VX004731.D

Acq: 26 Sep 2018 17:28

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WPDL

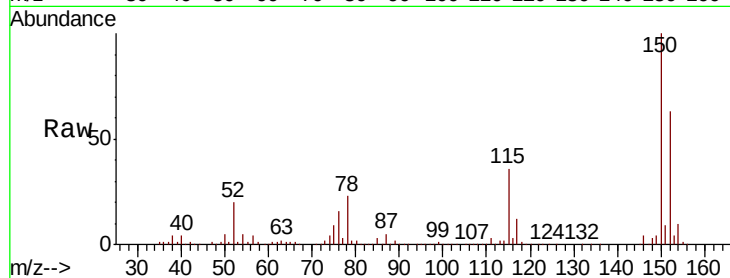
Tot Ion:152 Resp: 207850

Ion Ratio Lower Upper

152 100

115 55.5 39.0 117.0

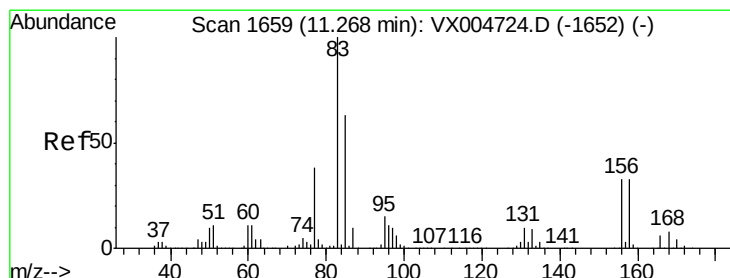
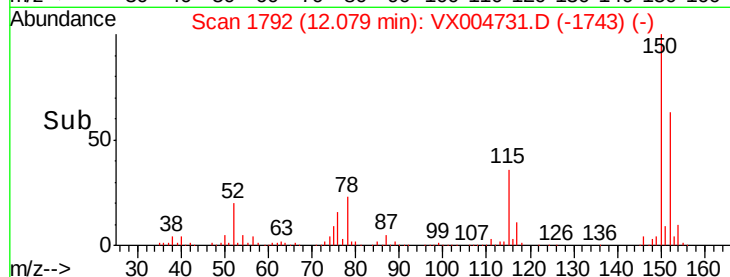
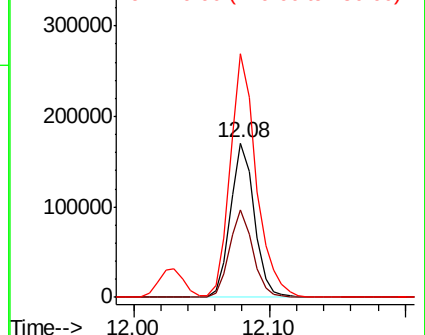
150 172.3 0.0 351.0



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



#75

1,1,2,2-Tetrachloroethane

Concen: 68.649 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004731.D

Acq: 26 Sep 2018 17:28

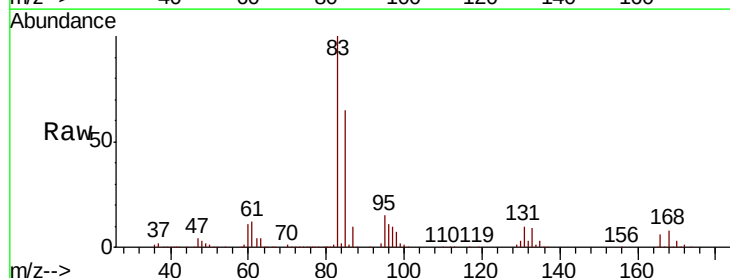
Tgt Ion: 83 Resp: 366107

Ion Ratio Lower Upper

83 100

131 9.7 5.2 15.6

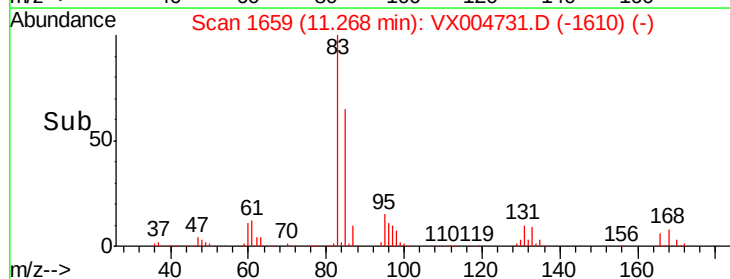
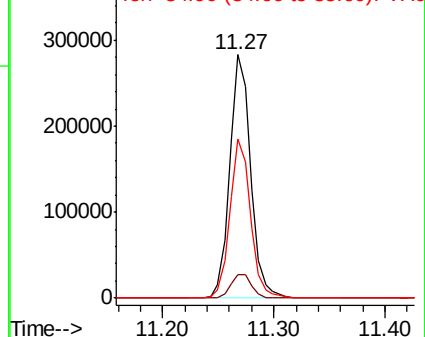
85 64.5 32.3 96.8

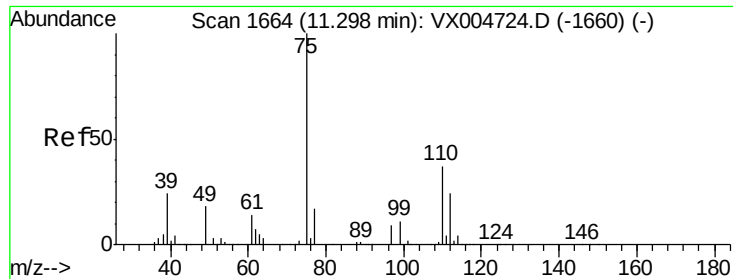


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

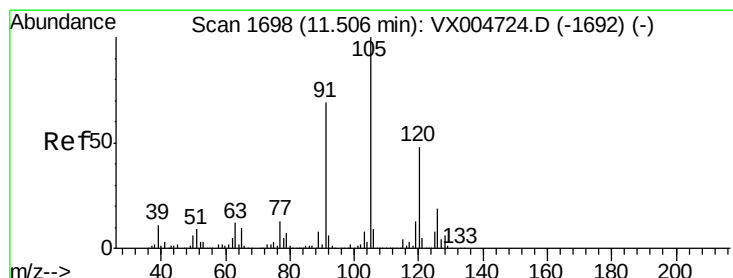
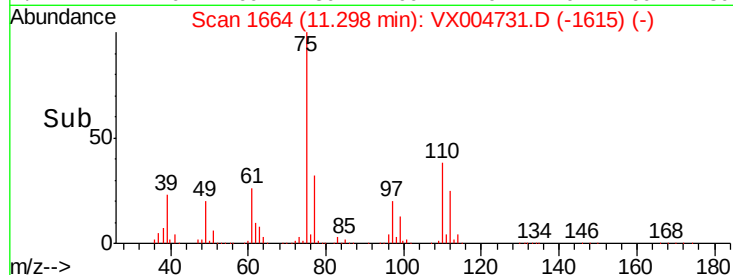
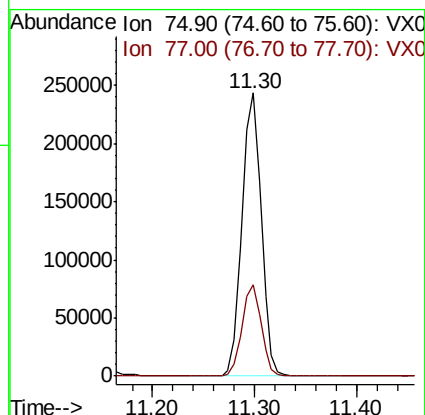
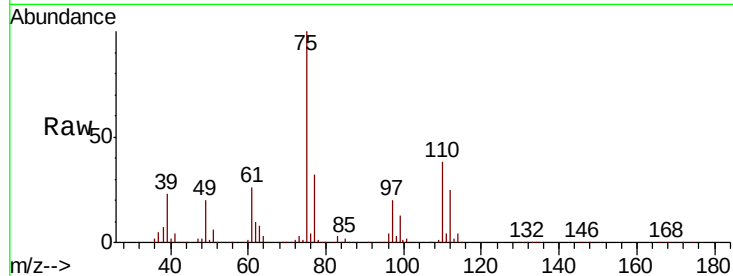




#76
 1,2,3-Trichloropropane
 Concen: 67.876 ug/l
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.00 min
 Lab File: VX004731.D
 Acq: 26 Sep 2018 17:28

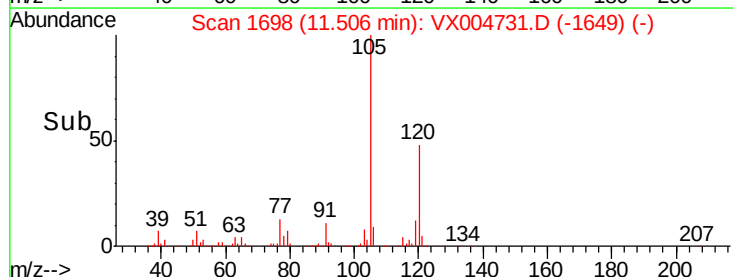
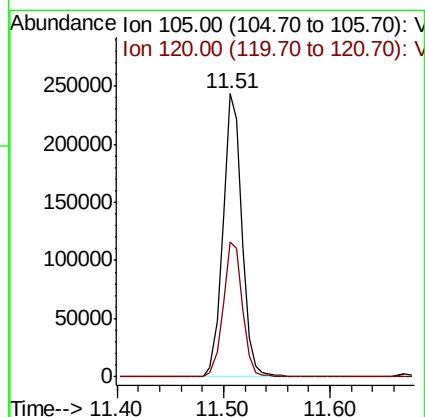
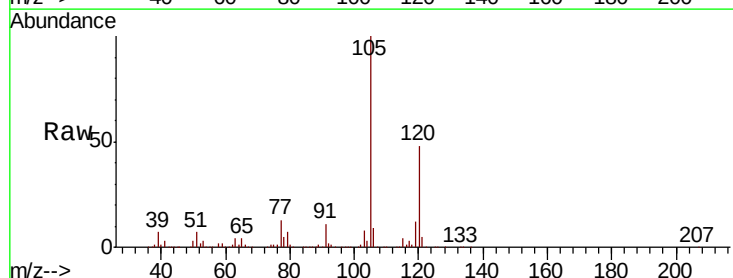
Instrument :
 MSVOA_X
 ClientSampled :
 PT-VOA-WPDL

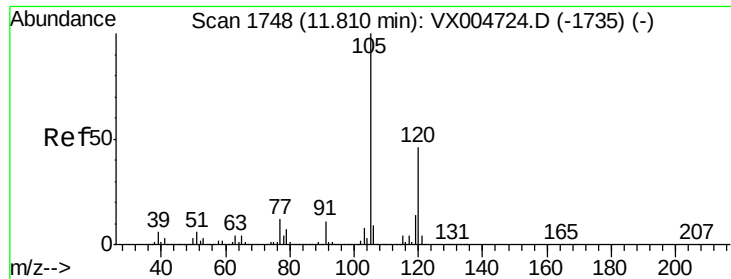
Tot Ion: 75 Resp: 316213
 Ion Ratio Lower Upper
 75 100
 77 32.3 20.2 60.6



#80
 1,3,5-Trimethylbenzene
 Concen: 24.992 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX004731.D
 Acq: 26 Sep 2018 17:28

Tgt Ion: 105 Resp: 301279
 Ion Ratio Lower Upper
 105 100
 120 48.7 25.6 76.8

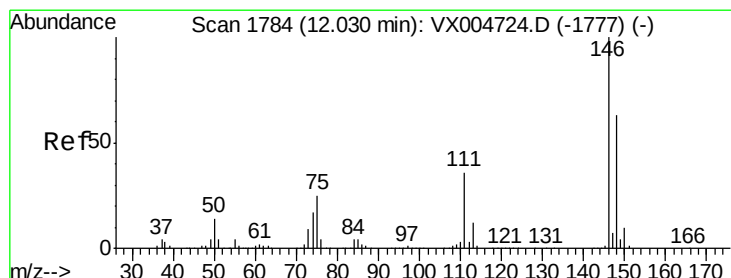
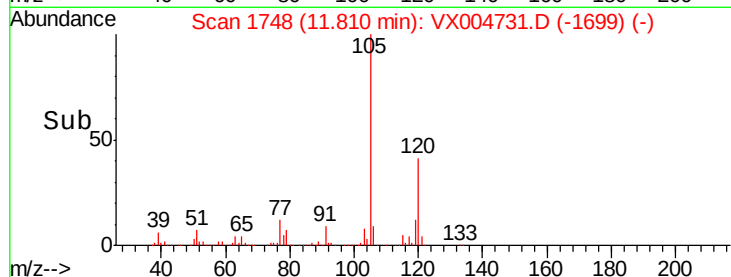
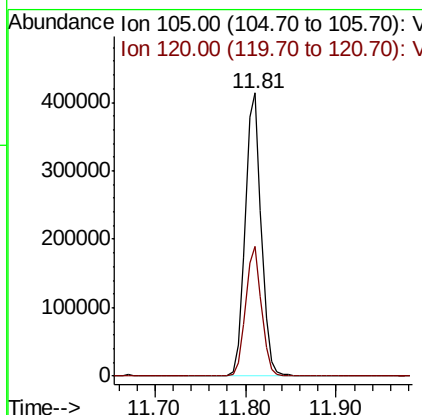
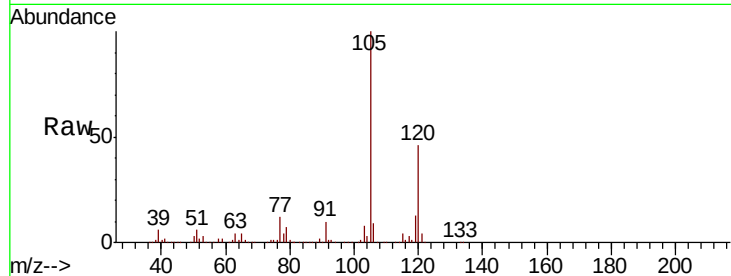




#84
 1,2,4-Trimethylbenzene
 Concen: 40.784 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004731.D
 Acq: 26 Sep 2018 17:28

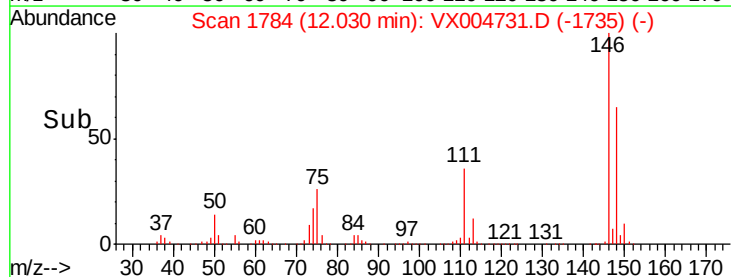
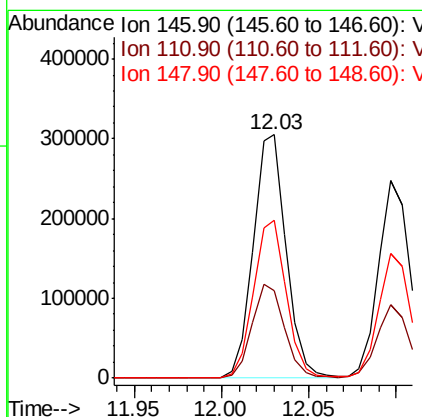
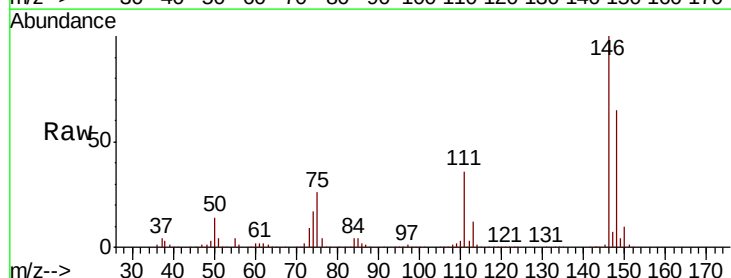
Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WPDL

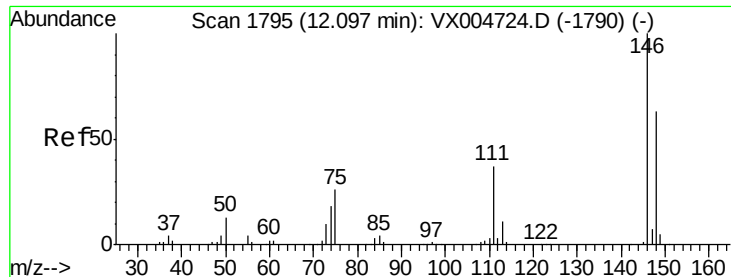
Tot Ion:105 Resp: 505480
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.2 69.6



#87
 1,3-Dichlorobenzene
 Concen: 56.531 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX004731.D
 Acq: 26 Sep 2018 17:28

Tgt Ion:146 Resp: 401688
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.7 56.1
 148 64.7 32.1 96.5

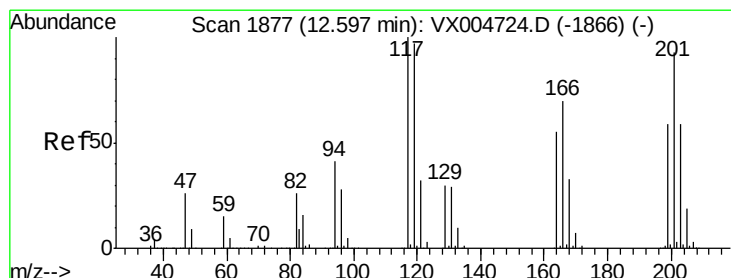
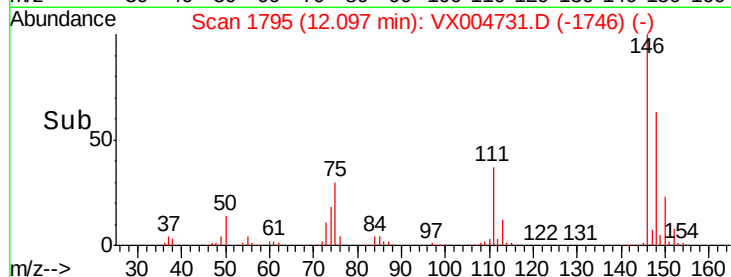
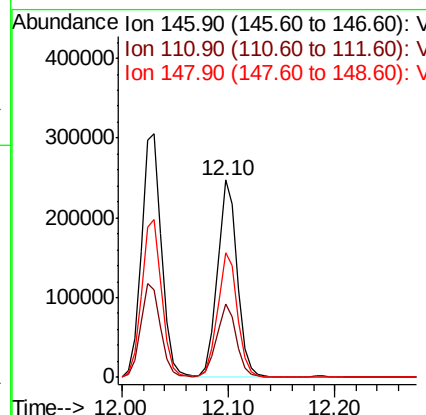
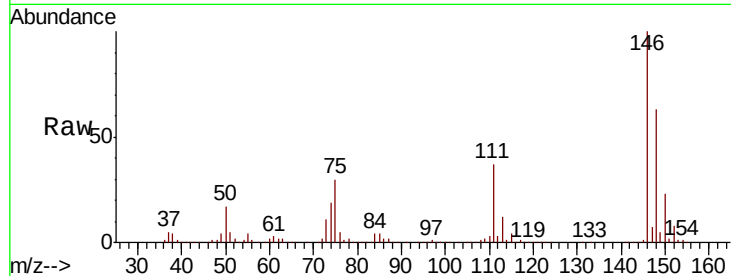




#88
 1,4-Dichlorobenzene
 Concen: 42.898 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004731.D
 Acq: 26 Sep 2018 17:28

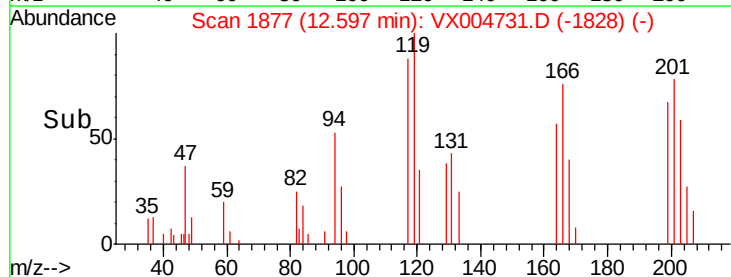
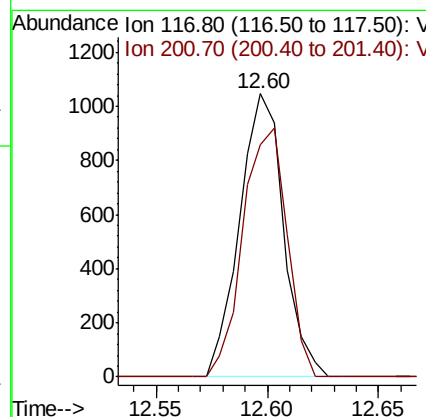
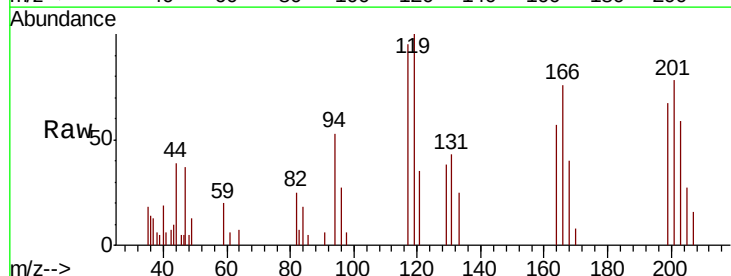
Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WPDL

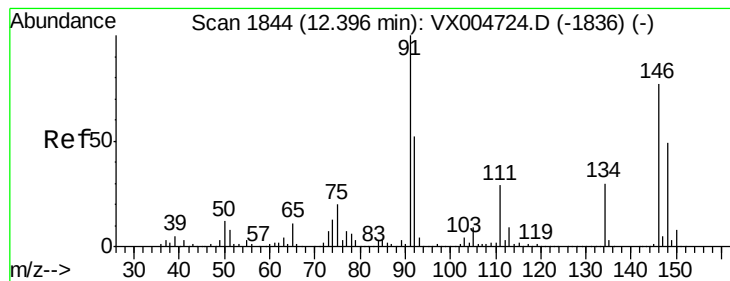
Tot Ion:146 Resp: 314660
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.1 54.1
 148 63.7 32.0 96.0



#90
 Hexachloroethane
 Concen: 0.728 ug/l
 RT: 12.60 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX004731.D
 Acq: 26 Sep 2018 17:28

Tgt Ion:117 Resp: 1443
 Ion Ratio Lower Upper
 117 100
 201 87.8 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 27.615 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VX004731.D

Acq: 26 Sep 2018 17:28

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WPDL

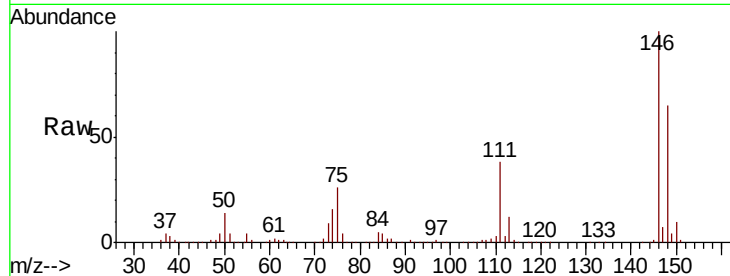
Tot Ion:146 Resp: 205062

Ion Ratio Lower Upper

146 100

111 39.4 19.4 58.1

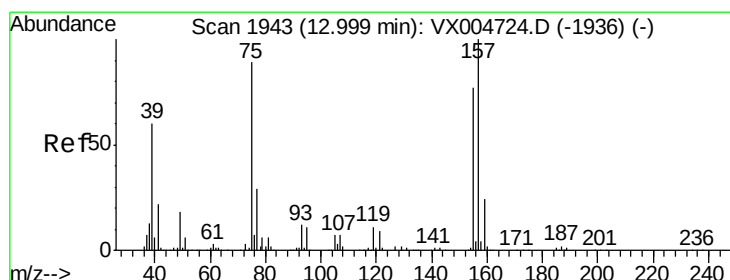
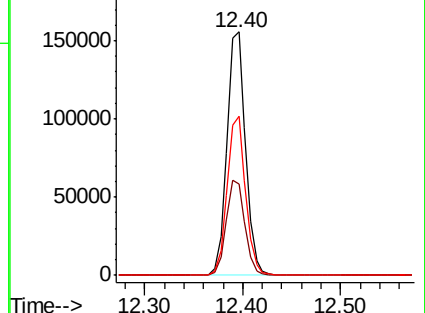
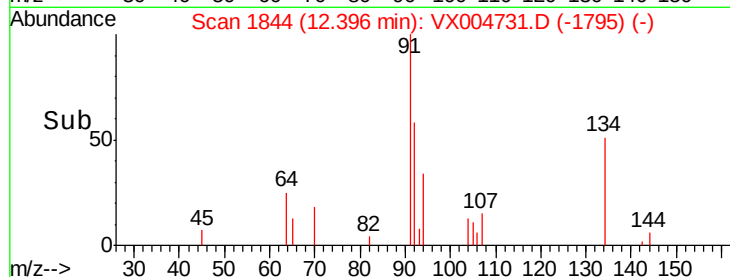
148 64.4 32.8 98.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 40.936 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX004731.D

Acq: 26 Sep 2018 17:28

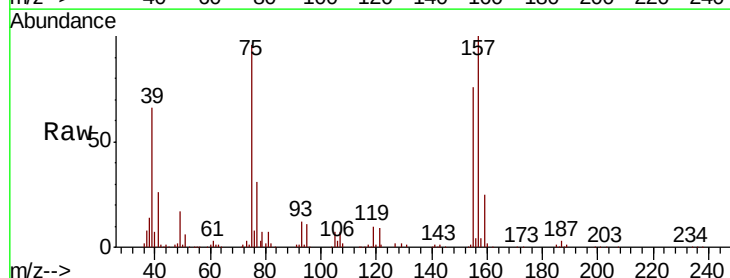
Tgt Ion: 75 Resp: 47934

Ion Ratio Lower Upper

75 100

155 88.7 48.0 144.2

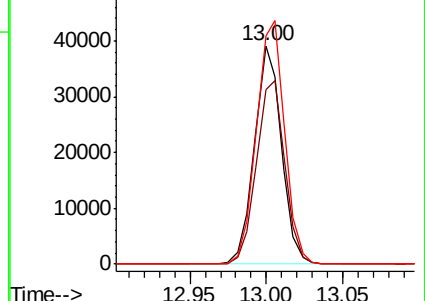
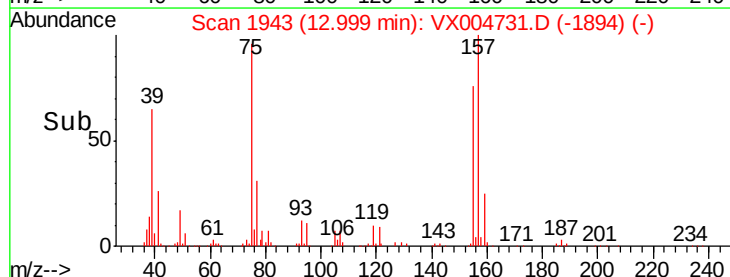
157 116.6 61.4 184.1

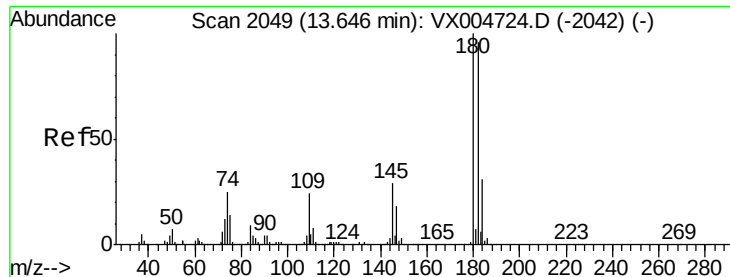


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

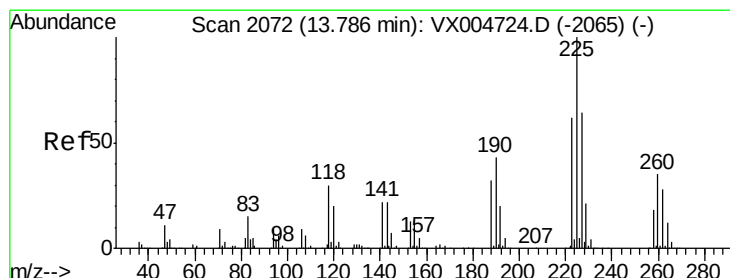
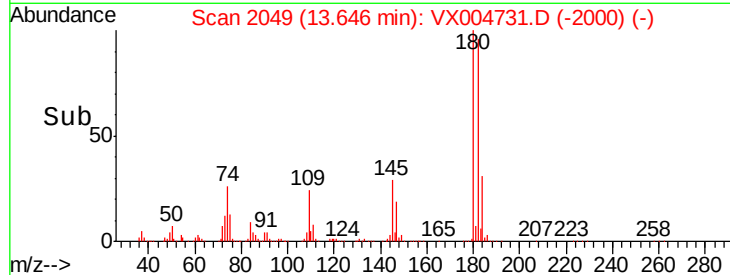
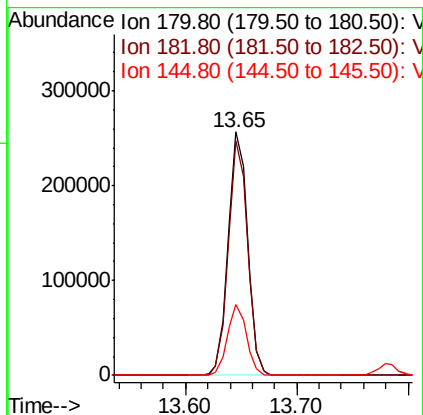
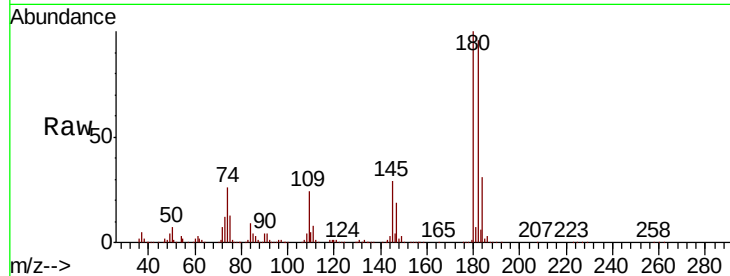




#93
 1,2,4-Trichlorobenzene
 Concen: 59.493 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004731.D
 Acq: 26 Sep 2018 17:28

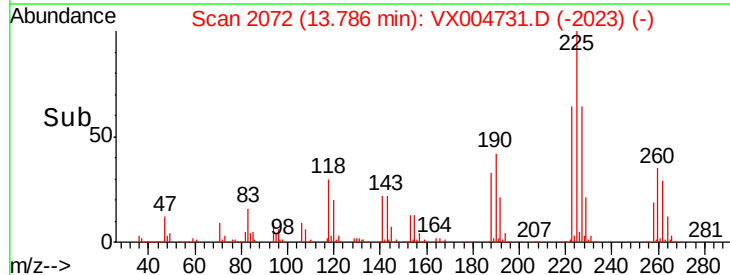
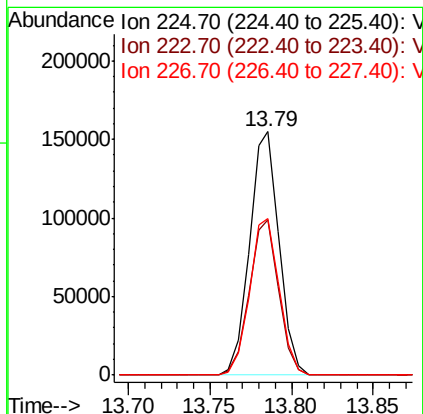
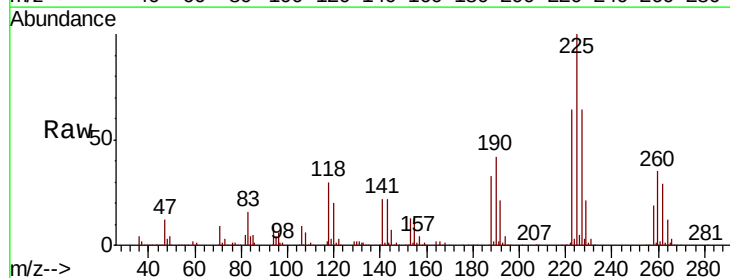
Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WPDL

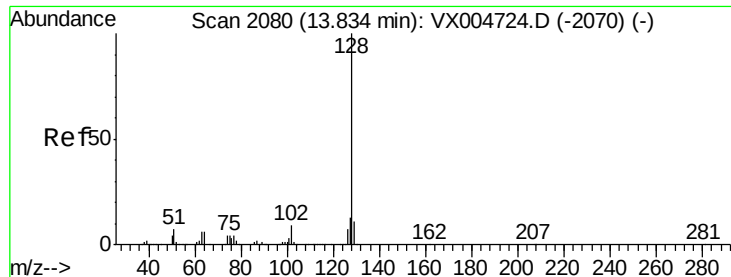
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.4	145.0
145	28.4	14.3	42.9



#94
 Hexachlorobutadiene
 Concen: 72.089 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004731.D
 Acq: 26 Sep 2018 17:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	30.1	90.5
227	64.5	30.8	92.4





#95

Naphthalene

Concen: 69.328 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004731.D

Acq: 26 Sep 2018 17:28

Instrument :

MSVOA_X

ClientSampled :

PT-VOA-WPDL

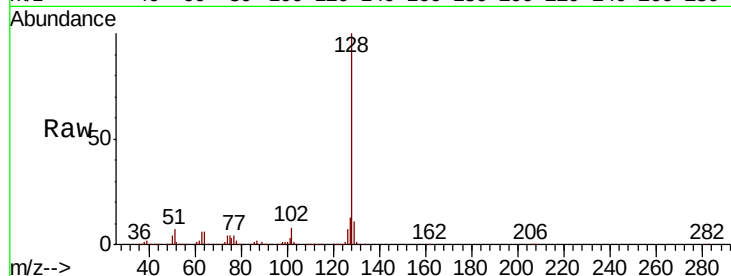
Tot Ion:128 Resp: 1203491

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

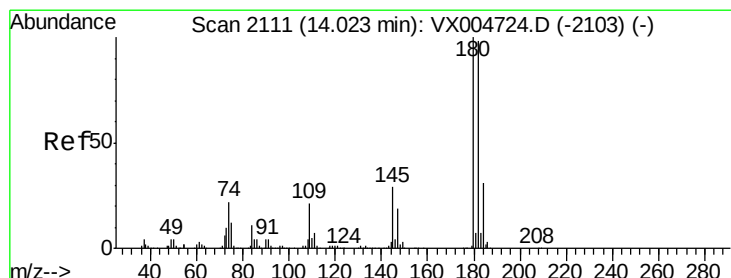
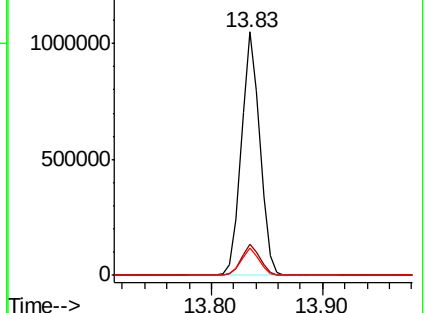
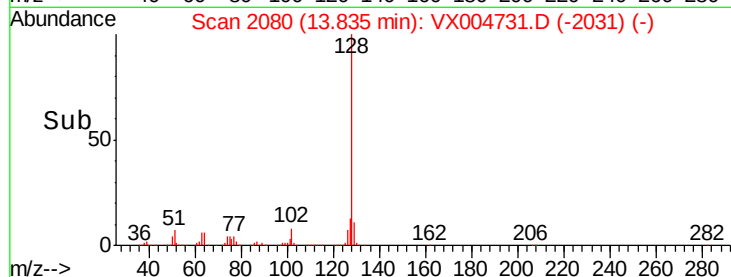
129 11.0 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 0.382 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004731.D

Acq: 26 Sep 2018 17:28

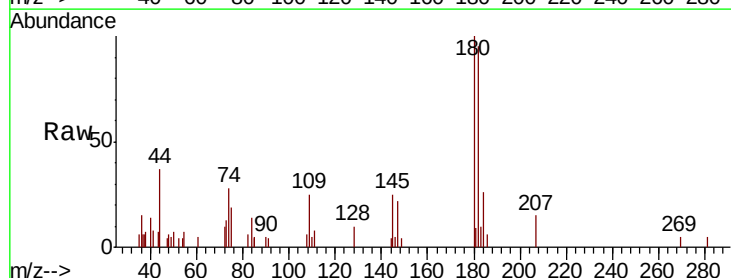
Tgt Ion:180 Resp: 2056

Ion Ratio Lower Upper

180 100

182 93.4 48.5 145.6

145 25.5 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

