

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100218\
 Data File : VX004918.D
 Acq On : 02 Oct 2018 14:23
 Operator : JC/MD
 Sample : J4870-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WP

Quant Time: Oct 03 07:50:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X100218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 03 04:49:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	51419	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	270882	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	258460	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	112678	28.84	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.13%
60) 4-Bromofluorobenzene	11.14	95	124105	28.89	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.30%
63) Toluene-d8	8.71	98	353781	30.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.20%

Target Compounds

					Ovalue
3) Chloromethane	1.32	50	8025	1.932	ug/l 98
4) Vinyl Chloride	1.40	62	170047	40.047	ug/l 99
5) Bromomethane	1.65	94	112072	55.002	ug/l 99
6) Chloroethane	1.73	64	70266	28.823	ug/l 96
10) 1,1-Dichloroethene	2.38	96	942	0.320	ug/l 89
11) Methyl Iodide	2.51	142	8940	13.247	ug/l 95
12) Methyl Acetate	3.20	43	188962	31.849	ug/l 97
14) Acrylonitrile	3.15	53	682	0.281	ug/l # 56
15) Acetone	2.44	58	81383	100.415	ug/l 99
16) Carbon Disulfide	2.57	76	3250	0.377	ug/l # 94
18) Methylene Chloride	2.85	84	86339	25.233	ug/l 96
19) trans-1,2-Dichloroethene	3.17	96	63335	20.148	ug/l 98
21) 1,1-Dichloroethane	3.70	63	291129	47.366	ug/l 99
23) tert-Butyl Alcohol	3.02	59	3288	2.938	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	935292	86.501	ug/l 100
25) Chloroform	5.21	83	260936	45.109	ug/l 98
30) 2-Butanone	4.70	43	568157	174.336	ug/l 100
32) 1,1,1-Trichloroethane	5.49	97	68982	14.971	ug/l 98
33) Carbon Tetrachloride	5.49	117	9360	2.313	ug/l 95
34) Benzene	6.14	78	920626	75.685	ug/l 98
36) 1,2-Dichloroethane	6.14	62	7701	1.757	ug/l # 74
37) Trichloroethene	7.21	130	210173	65.595	ug/l 97
39) 1,2-Dichloropropane	7.52	63	272144	83.969	ug/l 96
40) Dibromomethane	7.66	93	234487	111.627	ug/l 98
45) 1,4-Dioxane	7.77	88	75	0.794	ug/l # 1
48) t-1,3-Dichloropropene	9.04	75	1019	0.220	ug/l 99
49) cis-1,3-Dichloropropene	8.44	75	500652	99.697	ug/l 98
53) Dibromochloromethane	9.59	129	203456	61.661	ug/l 99
54) 1,2-Dibromoethane	9.67	107	288544	87.059	ug/l 98
56) Bromoform	10.86	173	230393	83.611	ug/l 99
58) 4-Methyl-2-Pentanone	8.65	43	747191	128.755	ug/l 100
59) 2-Hexanone	9.50	43	531964	111.262	ug/l 99
61) Tetrachloroethene	9.34	164	150817	47.949	ug/l 96
62) Toluene	8.79	91	635941	46.818	ug/l 100
64) Chlorobenzene	10.14	112	338585	38.598	ug/l 100
65) 1,1,1,2-Tetrachloroethane	10.22	131	397199	124.559	ug/l 99
66) Ethyl Benzene	10.25	91	216281	14.585	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

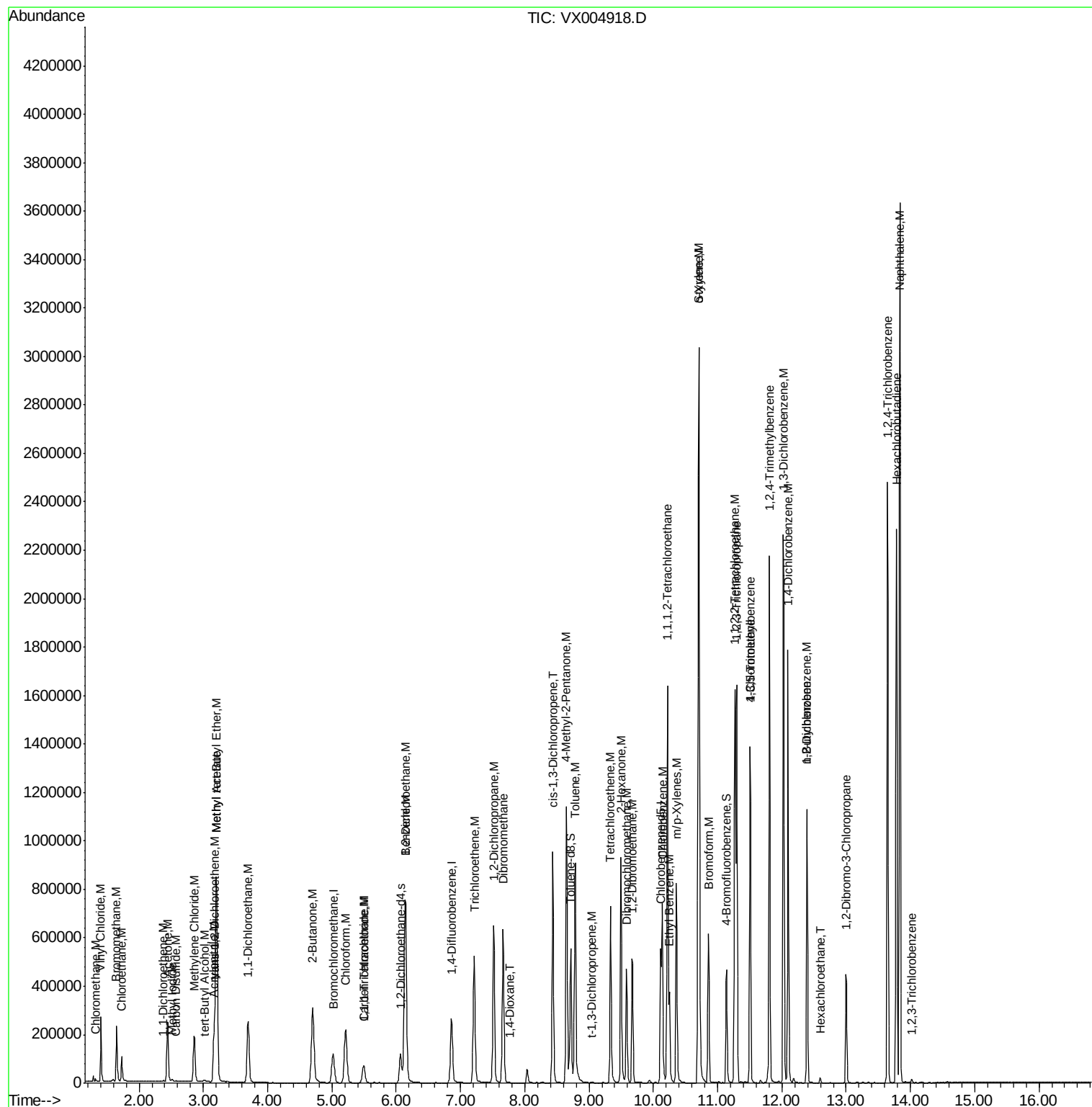
67) m/p-Xylenes	10.36	106	199364	34.528	ug/l	99
68) o-Xylene	10.70	106	390363	70.136	ug/l	98
69) Styrene	10.71	104	982970	105.030	ug/l	96
71) 1,1,2,2-Tetrachloroethane	11.27	83	655645	118.441	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	554878	110.026	ug/l	86
76) 1,3,5-Trimethylbenzene	11.51	105	580395	45.134	ug/l	100
78) 4-Chlorotoluene	11.51	91	61247	4.927	ug/l	46
80) 1,2,4-Trimethylbenzene	11.80	105	965032	73.587	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	760958	100.446	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	577401	75.105	ug/l	99
85) n-Butylbenzene	12.39	91	2700	0.218	ug/l	96
86) Hexachloroethane	12.60	117	2684	1.194	ug/l	94
87) 1,2-Dichlorobenzene	12.39	146	377160	48.975	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	87437	68.353	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	610882	106.337	ug/l	100
90) Hexachlorobutadiene	13.79	225	373653	131.749	ug/l	99
91) Naphthalene	13.83	128	2198130	123.057	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	3253	0.552	ug/l	97

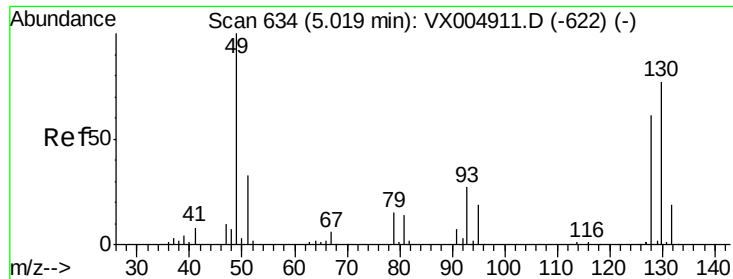
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX004918.D

Acq: 02 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

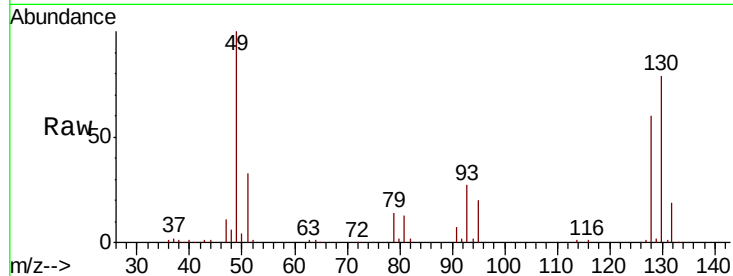
Tot Ion:128 Resp: 51419

Ion Ratio Lower Upper

128 100

49 169.5 0.0 429.5

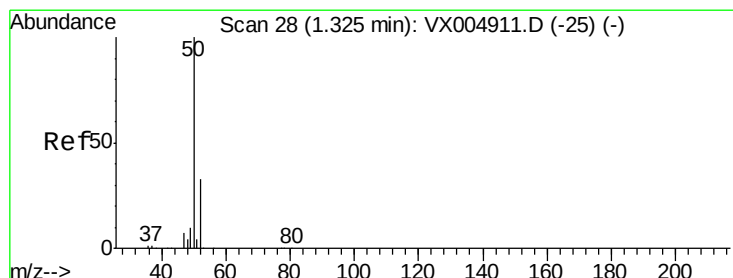
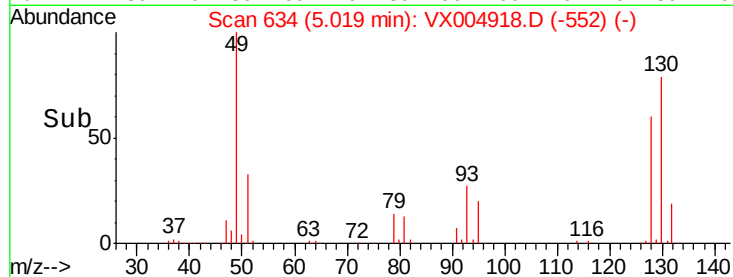
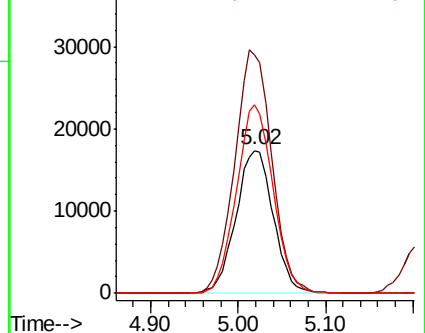
130 129.3 0.0 325.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 1.932 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004918.D

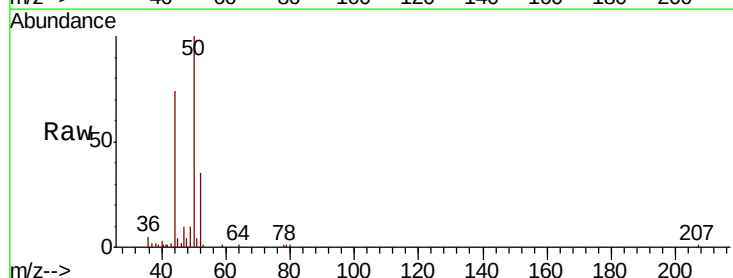
Acq: 02 Oct 2018 14:23

Tgt Ion: 50 Resp: 8025

Ion Ratio Lower Upper

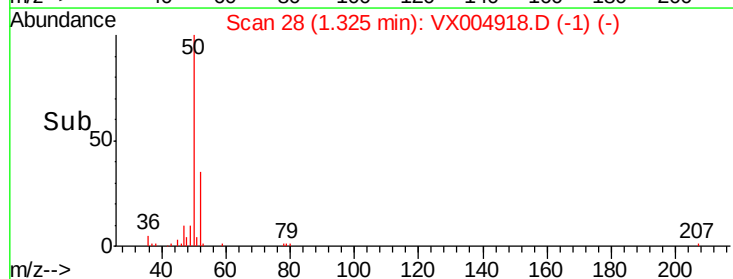
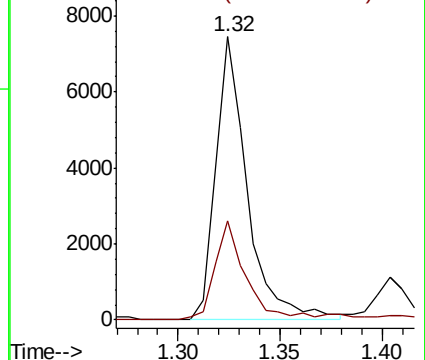
50 100

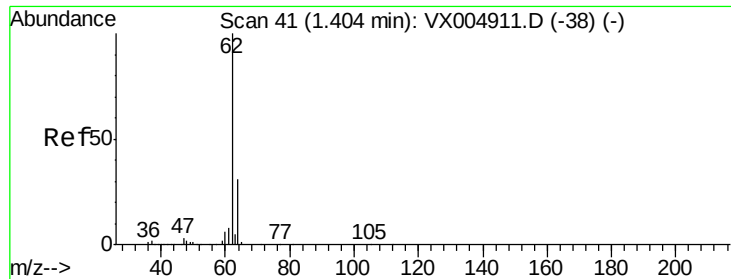
52 33.7 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#4

Vinyl Chloride

Concen: 40.047 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004918.D

Acq: 02 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

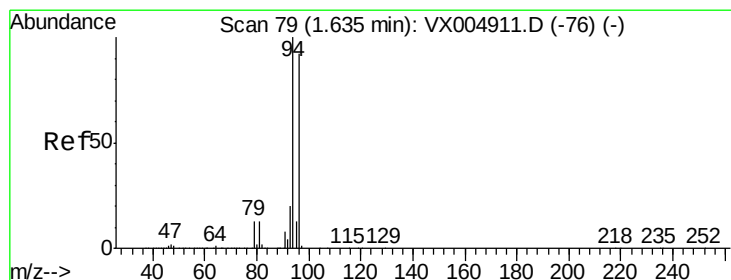
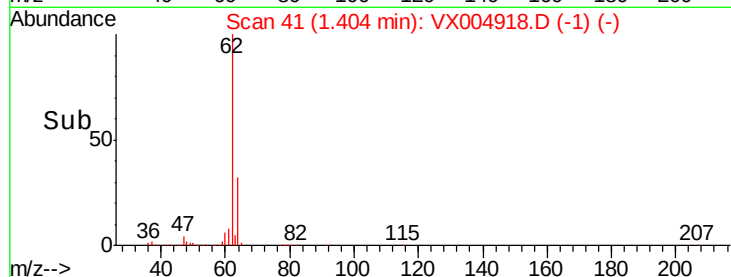
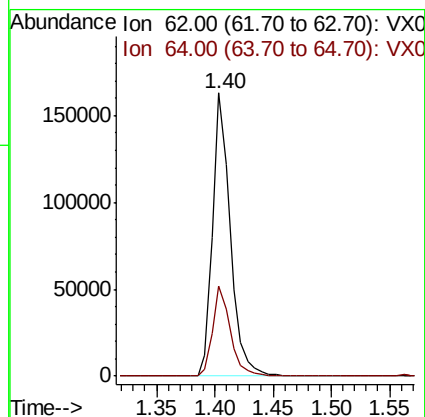
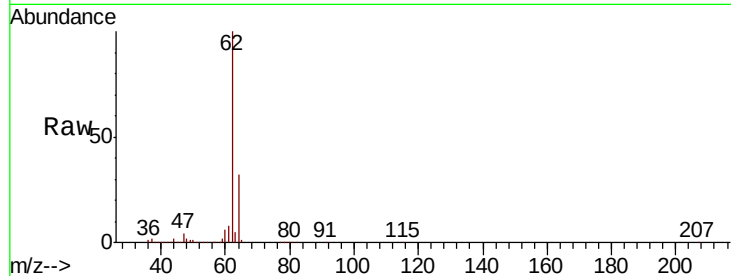
PT-VOA-WP

Tot Ion: 62 Resp: 170047

Ion Ratio Lower Upper

62 100

64 32.0 25.2 37.8



#5

Bromomethane

Concen: 55.002 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004918.D

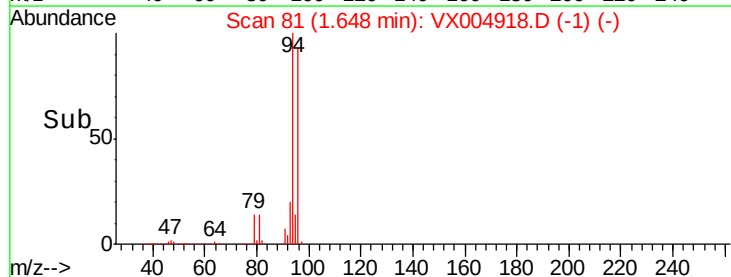
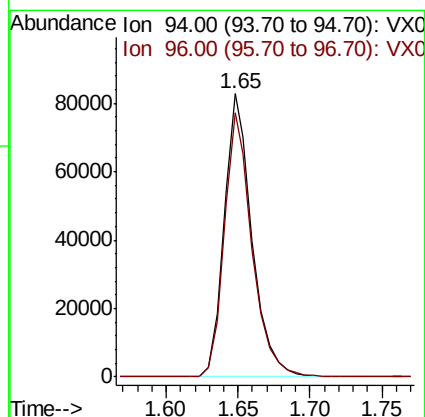
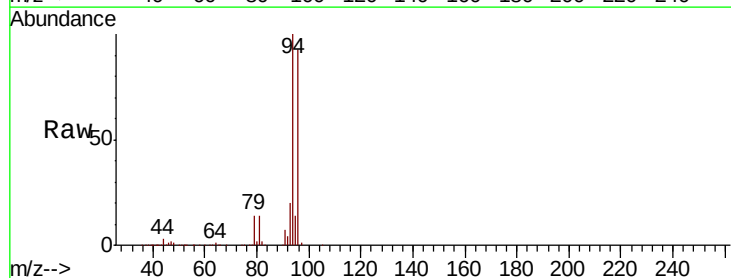
Acq: 02 Oct 2018 14:23

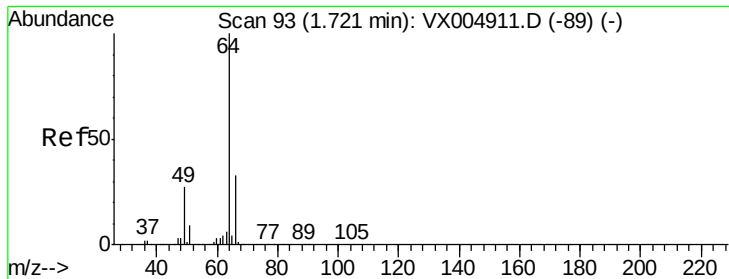
Tgt Ion: 94 Resp: 112072

Ion Ratio Lower Upper

94 100

96 93.5 73.8 110.8





#6

Chloroethane

Concen: 28.823 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX004918.D

Acq: 02 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

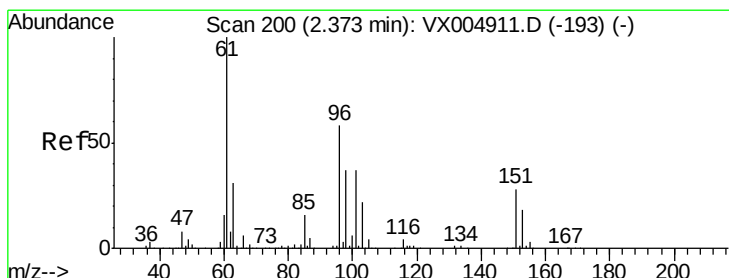
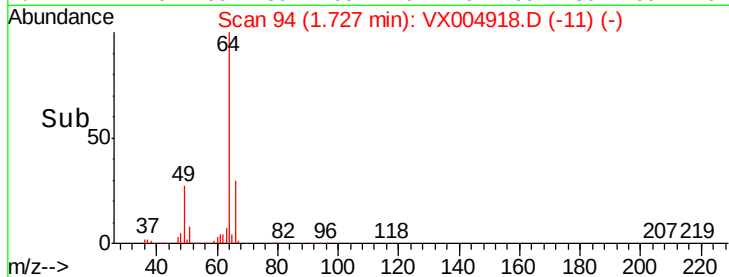
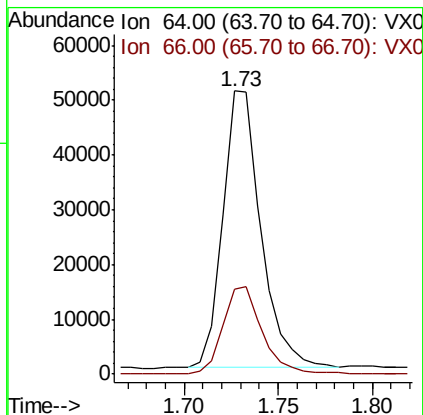
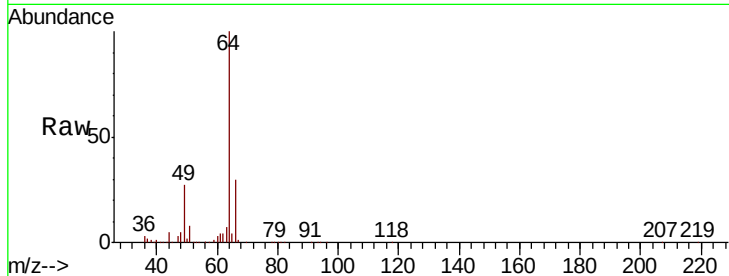
PT-VOA-WP

Tot Ion: 64 Resp: 70266

Ion Ratio Lower Upper

64 100

66 30.3 26.0 39.0



#10

1,1-Dichloroethene

Concen: 0.320 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX004918.D

Acq: 02 Oct 2018 14:23

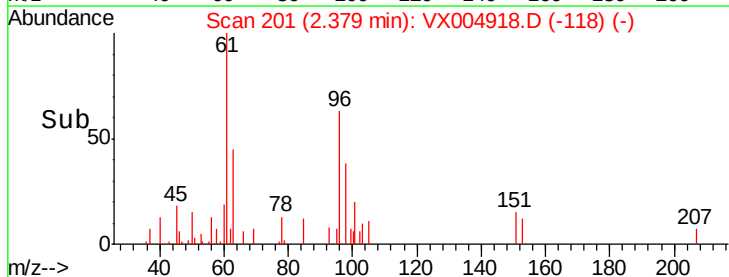
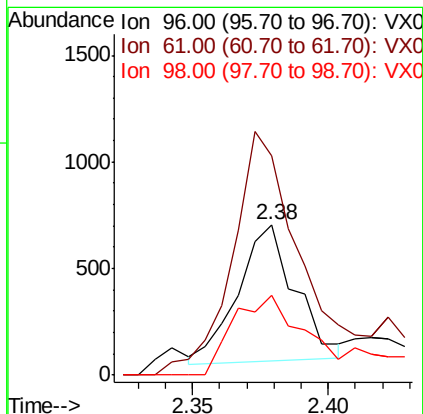
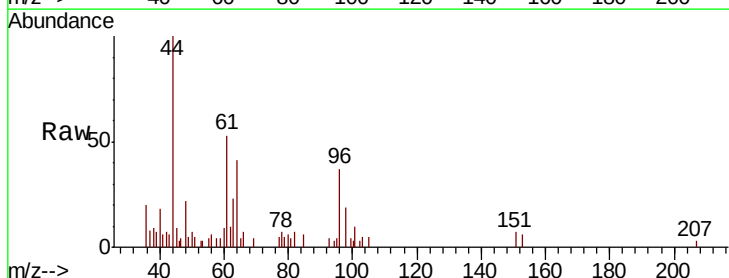
Tgt Ion: 96 Resp: 942

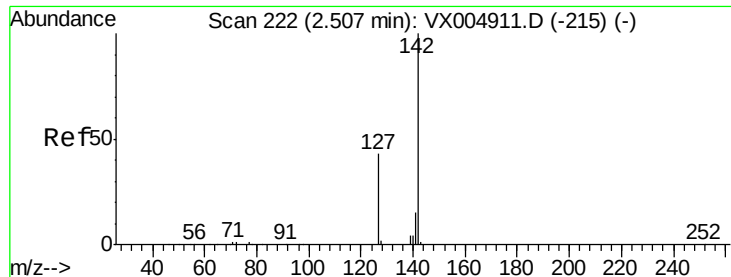
Ion Ratio Lower Upper

96 100

61 154.6 137.9 206.9

98 60.3 51.0 76.4

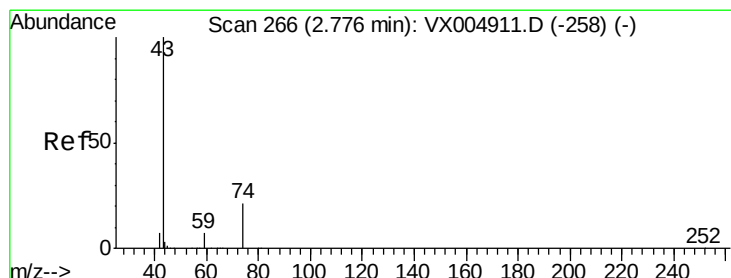
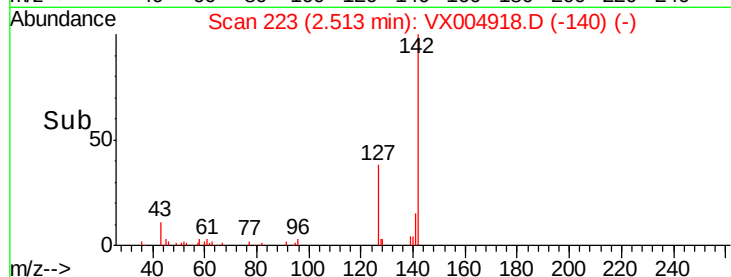
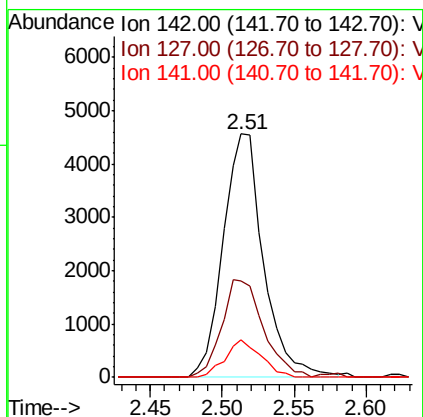
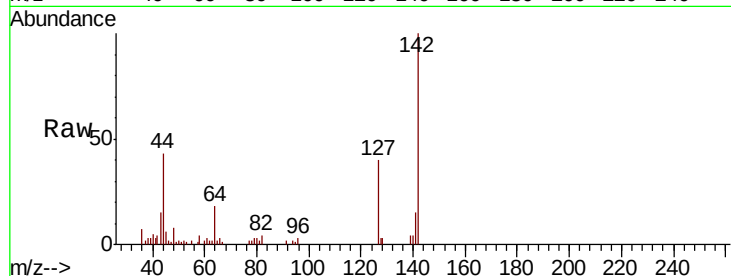




#11
Methvl Iodide
Concen: 13.247 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX004918.D
Acq: 02 Oct 2018 14:23

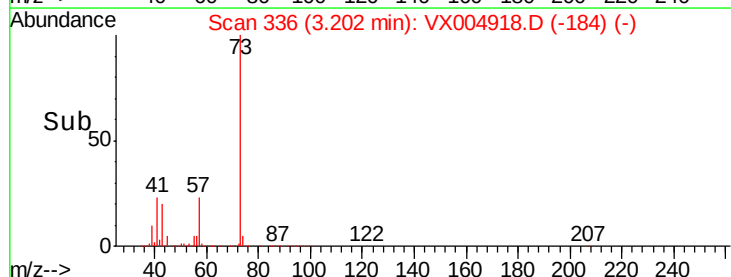
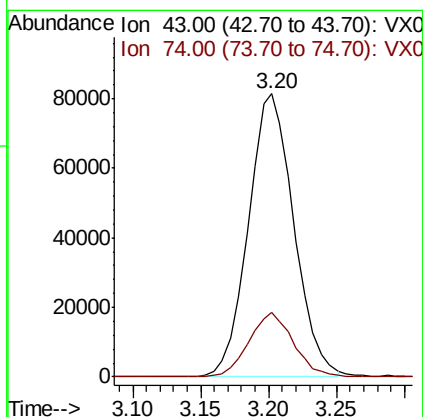
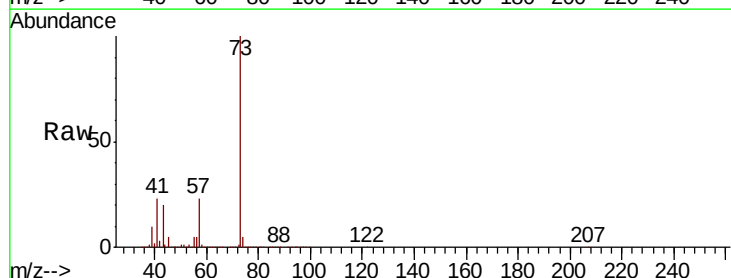
Instrument :
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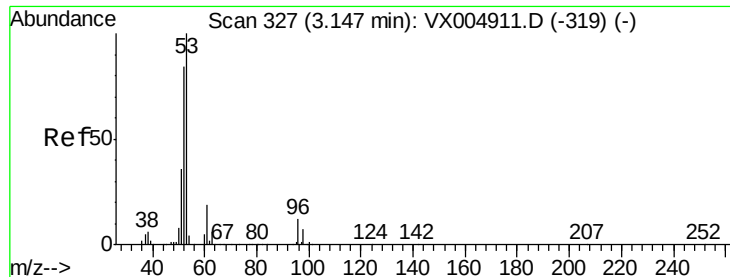
Tot Ion:142 Resp: 8940
Ion Ratio Lower Upper
142 100
127 39.0 21.6 64.8
141 15.3 7.5 22.6



#12
Methyl Acetate
Concen: 31.849 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.43 min
Lab File: VX004918.D
Acq: 02 Oct 2018 14:23

Tgt Ion: 43 Resp: 188962
Ion Ratio Lower Upper
43 100
74 22.7 17.0 25.6





#14

Acrylonitrile

Concen: 0.281 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX004918.D

Acq: 02 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

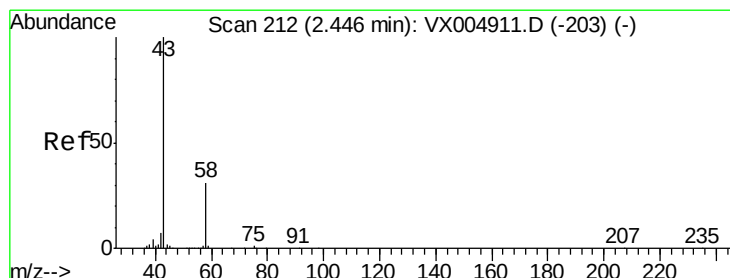
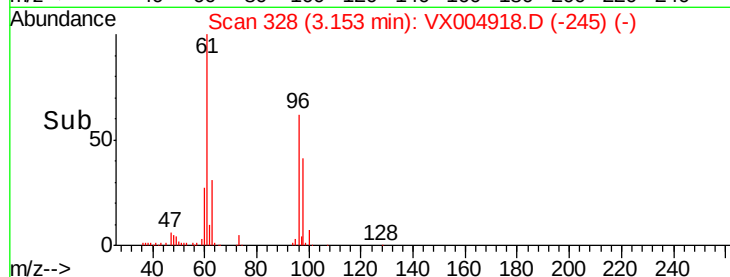
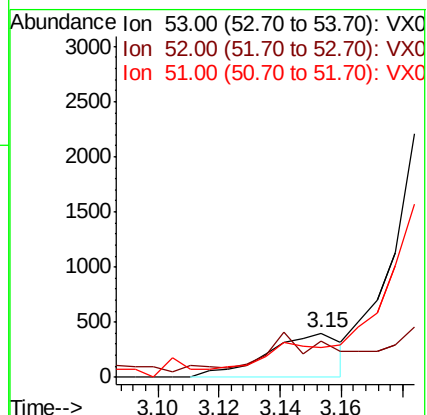
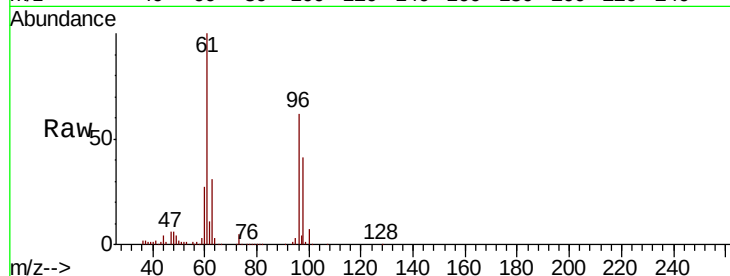
Tot Ion: 53 Resp: 682

Ion Ratio Lower Upper

53 100

52 33.1 41.5 124.6#

51 45.9 18.0 54.0



#15

Acetone

Concen: 100.415 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004918.D

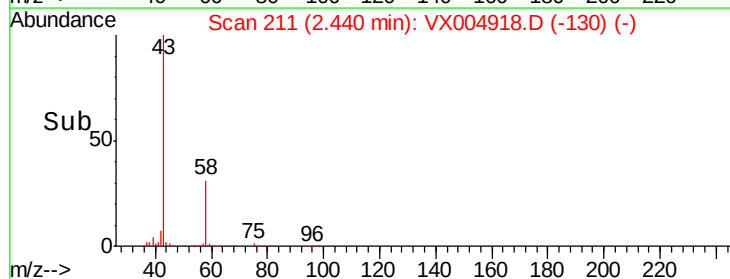
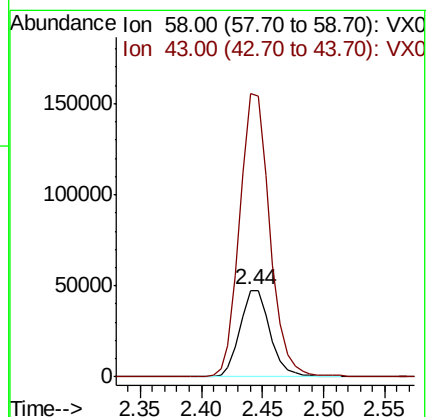
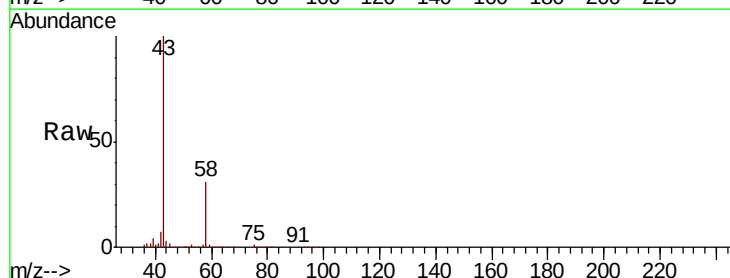
Acq: 02 Oct 2018 14:23

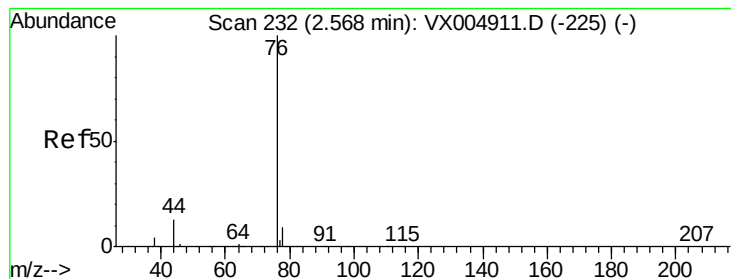
Tgt Ion: 58 Resp: 81383

Ion Ratio Lower Upper

58 100

43 325.9 258.6 388.0





#16

Carbon Disulfide

Concen: 0.377 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

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ClientSampleId :

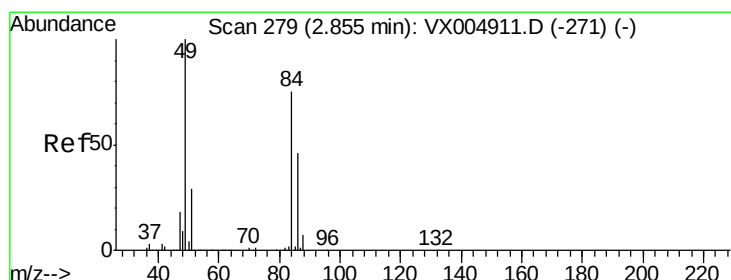
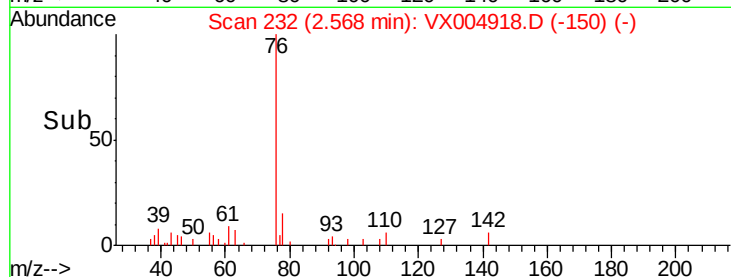
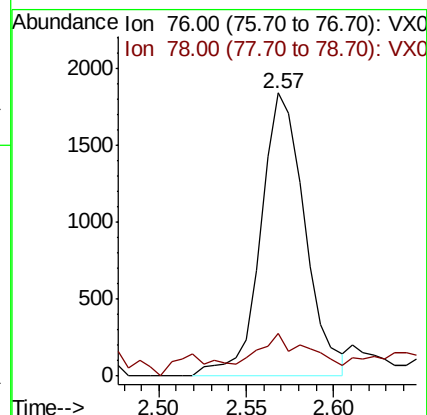
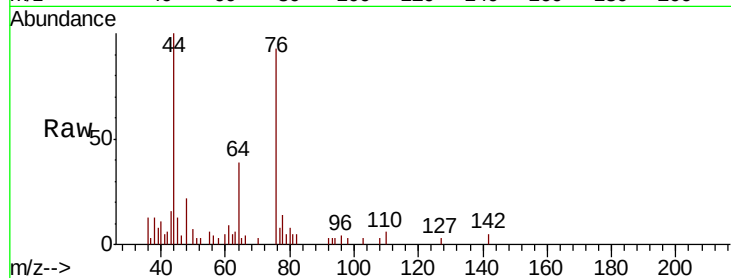
PT-VOA-WP

Tot Ion: 76 Resp: 3250

Ion Ratio Lower Upper

76 100

78 11.1 7.1 10.7#



#18

Methylene Chloride

Concen: 25.233 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX004918.D

Acq: 02 Oct 2018 14:23

Tgt Ion: 84 Resp: 86339

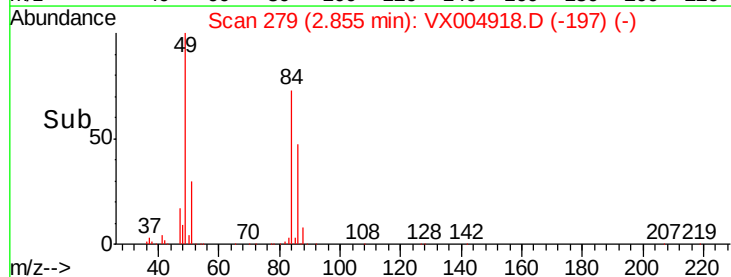
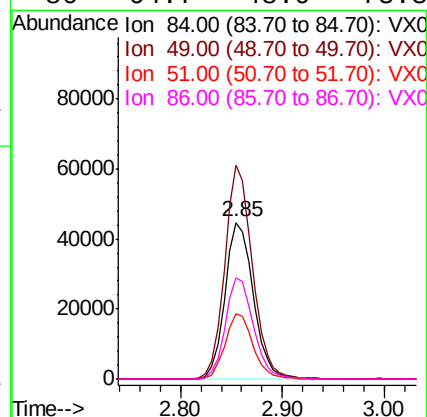
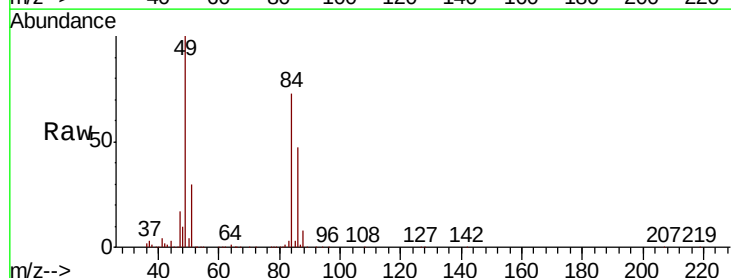
Ion Ratio Lower Upper

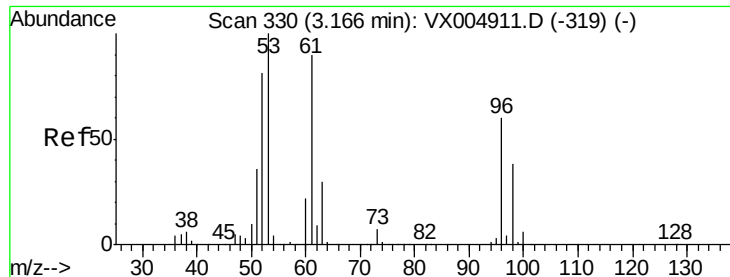
84 100

49 136.4 106.2 159.4

51 41.2 31.3 46.9

86 64.7 48.9 73.3





#19

trans-1,2-Dichloroethene

Concen: 20.148 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX004918.D

Acq: 02 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

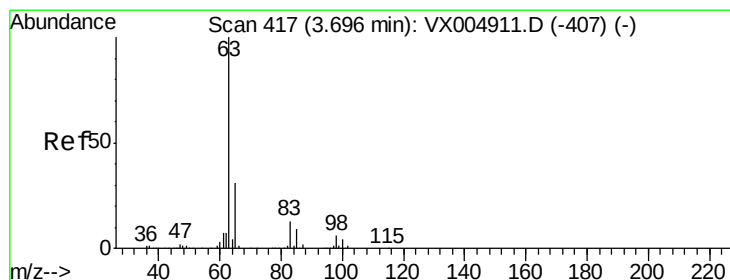
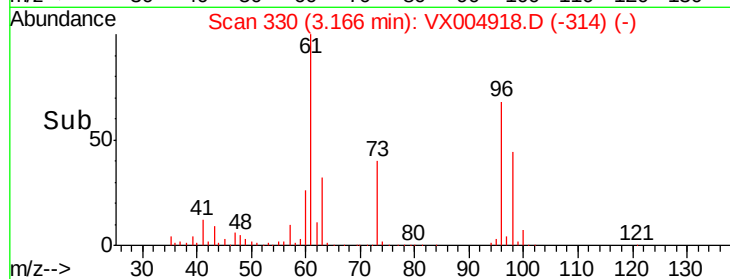
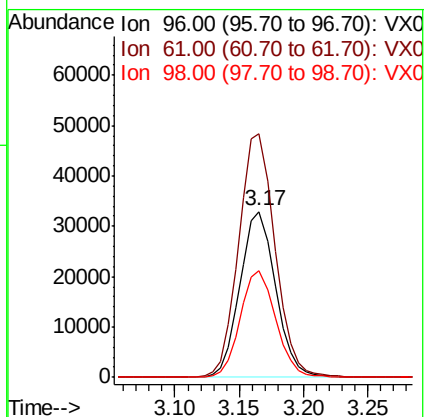
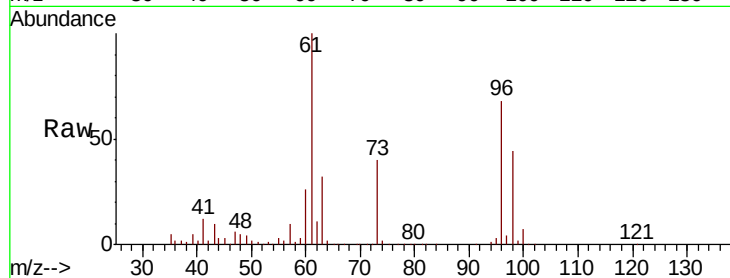
Tot Ion: 96 Resp: 63335

Ion Ratio Lower Upper

96 100

61 146.6 119.5 179.3

98 64.3 50.6 75.8



#21

1,1-Dichloroethane

Concen: 47.366 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX004918.D

Acq: 02 Oct 2018 14:23

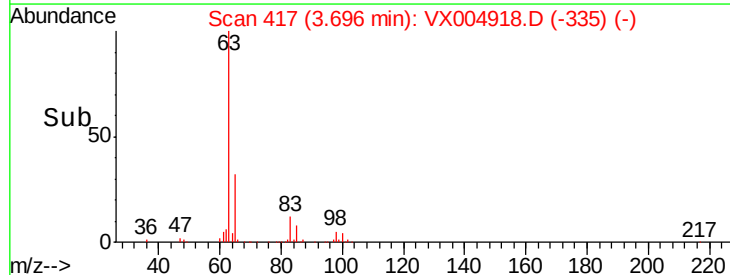
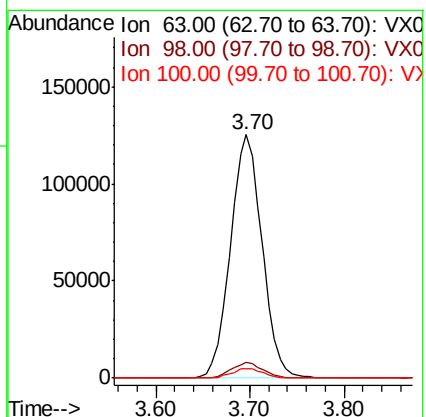
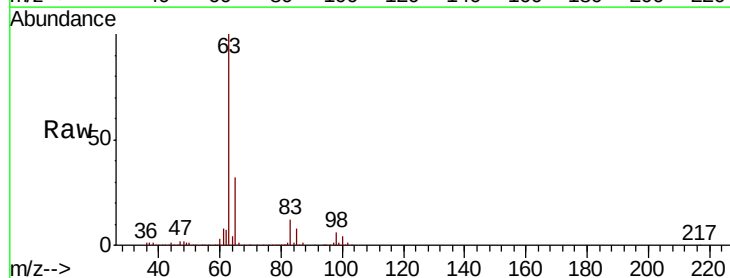
Tgt Ion: 63 Resp: 291129

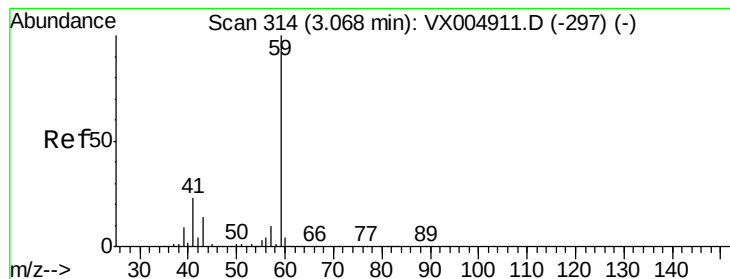
Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

100 4.0 2.1 6.5



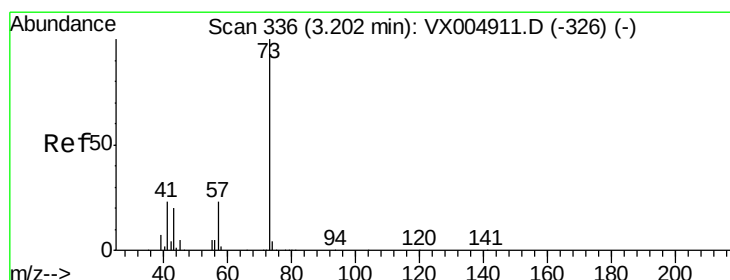
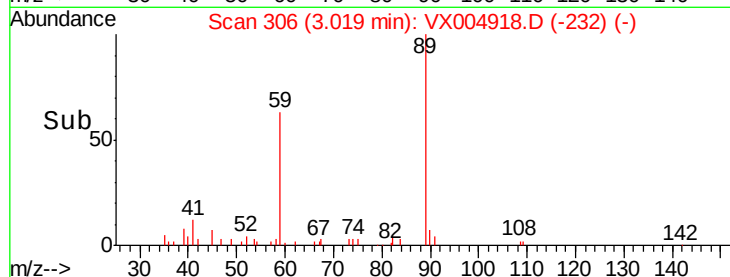
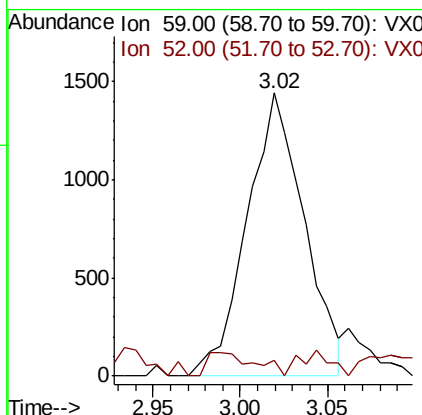
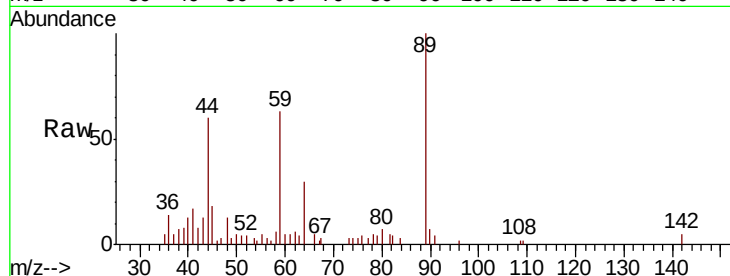


#23

tert-Butyl Alcohol
 Concen: 2.938 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.05 min
 Lab File: VX004918.D
 Acq: 02 Oct 2018 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WP

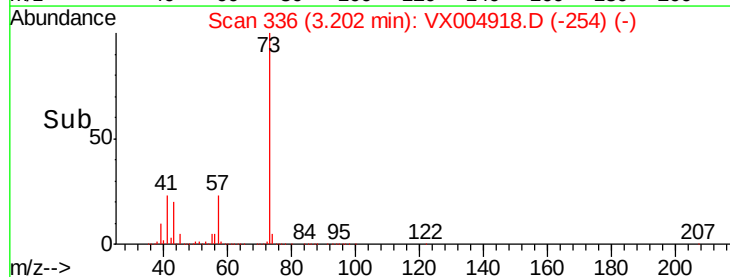
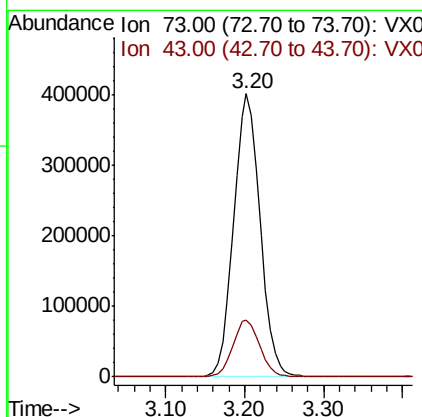
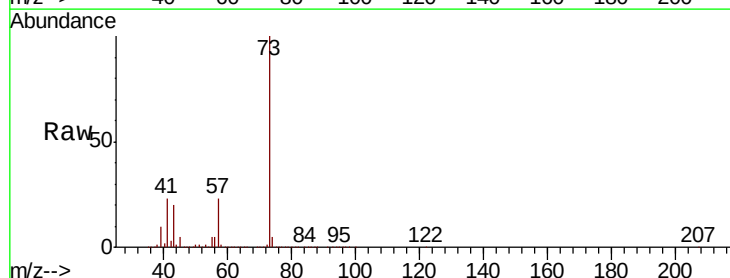
Tot Ion: 59 Resp: 3288
 Ion Ratio Lower Upper
 59 100
 52 0.9 0.1 0.1#

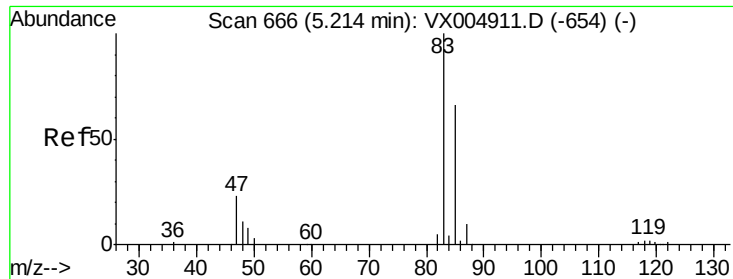


#24

Methyl tert-Butyl Ether
 Concen: 86.501 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX004918.D
 Acq: 02 Oct 2018 14:23

Tgt Ion: 73 Resp: 935292
 Ion Ratio Lower Upper
 73 100
 43 20.4 16.3 24.5

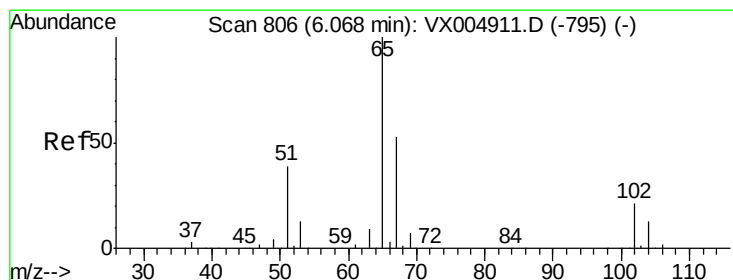
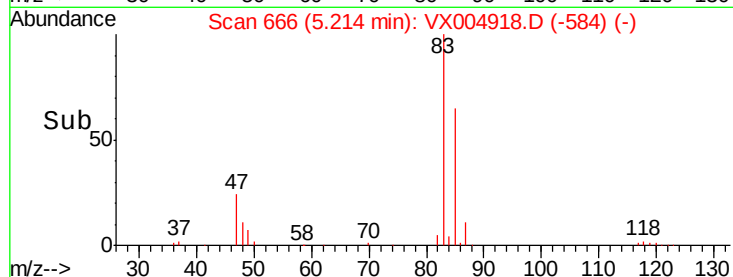
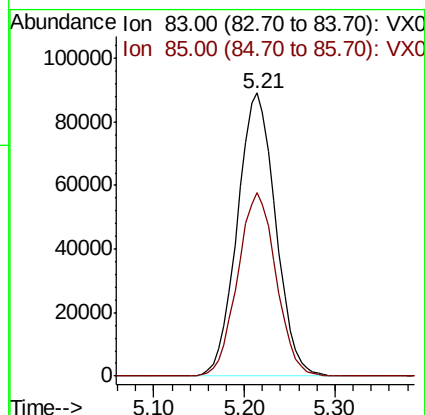
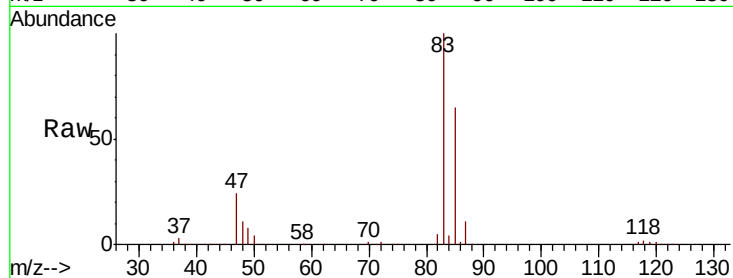




#25
Chloroform
Concen: 45.109 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004918.D
Acq: 02 Oct 2018 14:23

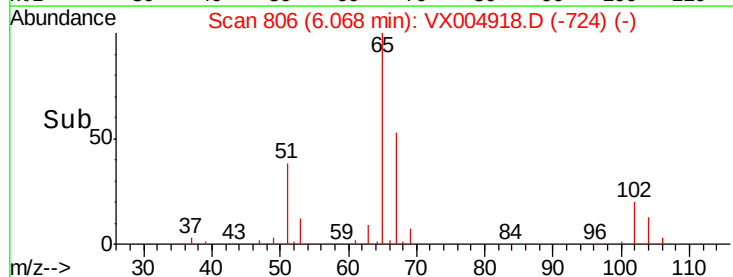
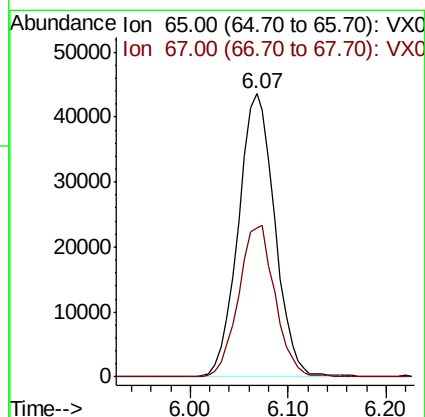
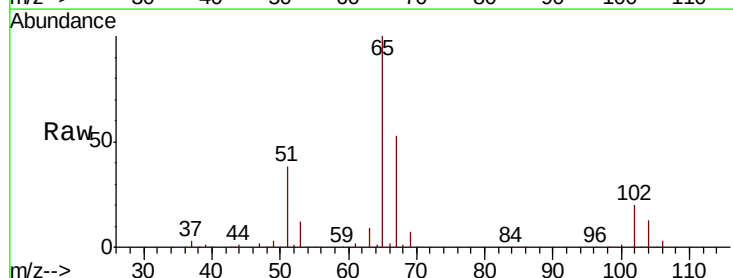
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

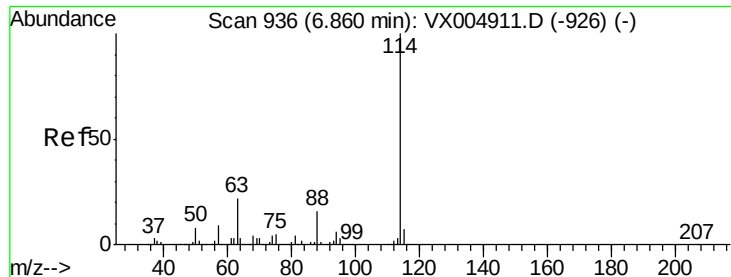
Tot Ion: 83 Resp: 260936
Ion Ratio Lower Upper
83 100
85 64.7 53.1 79.7



#27
1,2-Dichloroethane-d4
Concen: 28.838 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004918.D
Acq: 02 Oct 2018 14:23

Tgt Ion: 65 Resp: 112678
Ion Ratio Lower Upper
65 100
67 53.4 43.0 64.6

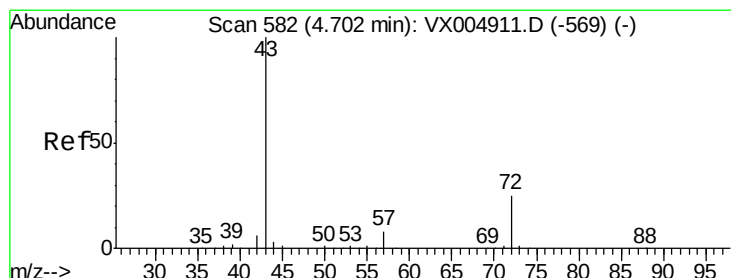
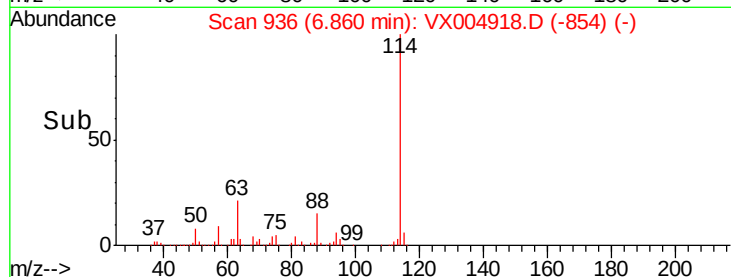
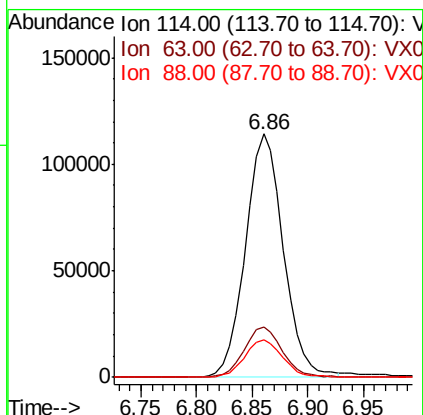
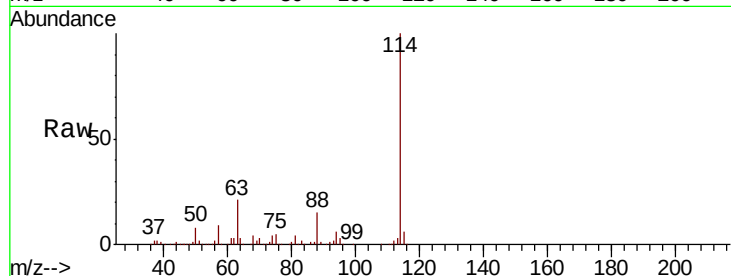




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004918.D
 Acq: 02 Oct 2018 14:23

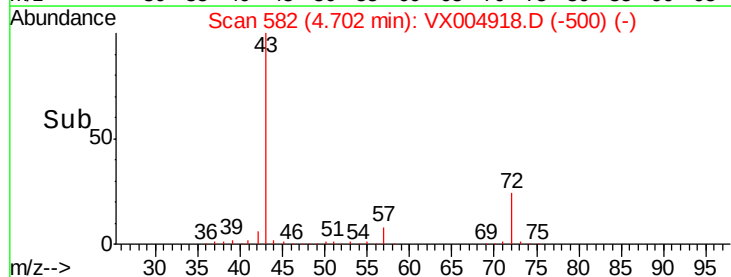
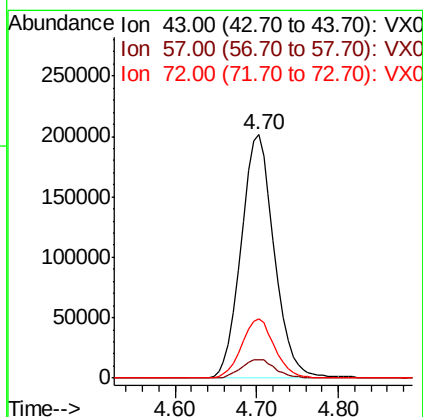
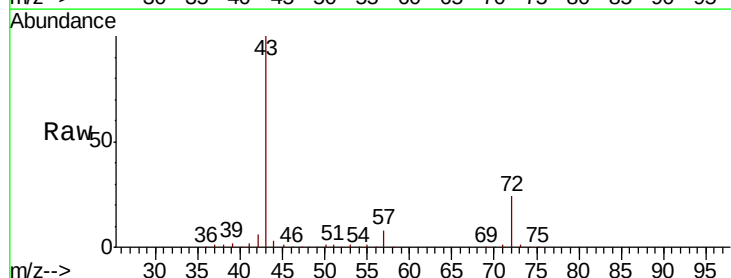
Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WP

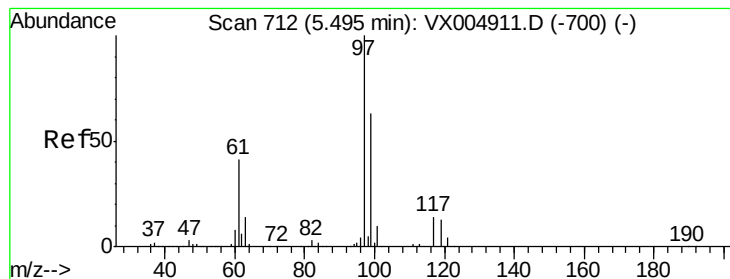
Tot Ion:114 Resp: 270882
 Ion Ratio Lower Upper
 114 100
 63 20.6 16.6 24.8
 88 15.9 12.4 18.6



#30
 2-Butanone
 Concen: 174.336 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: VX004918.D
 Acq: 02 Oct 2018 14:23

Tgt Ion: 43 Resp: 568157
 Ion Ratio Lower Upper
 43 100
 57 7.8 6.2 9.4
 72 24.3 19.7 29.5





#32

1,1,1-Trichloroethane

Concen: 14.971 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX004918.D

Acq: 02 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

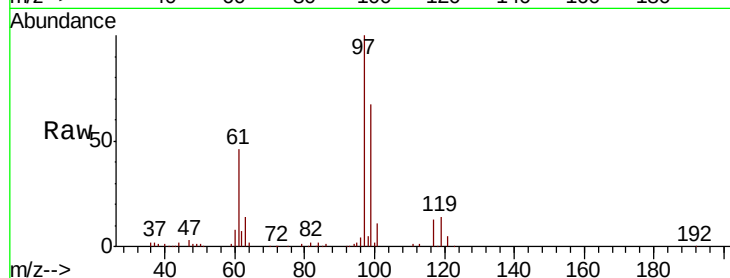
Tot Ion: 97 Resp: 68982

Ion Ratio Lower Upper

97 100

99 65.3 51.0 76.6

61 44.0 35.8 53.6

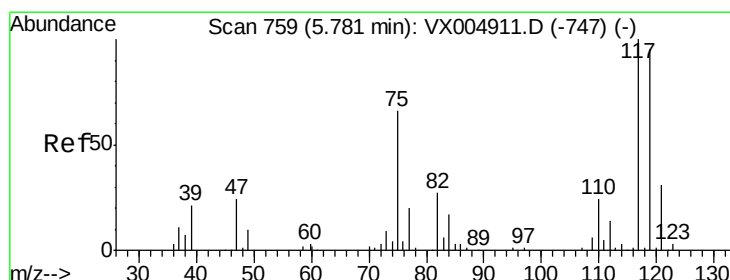
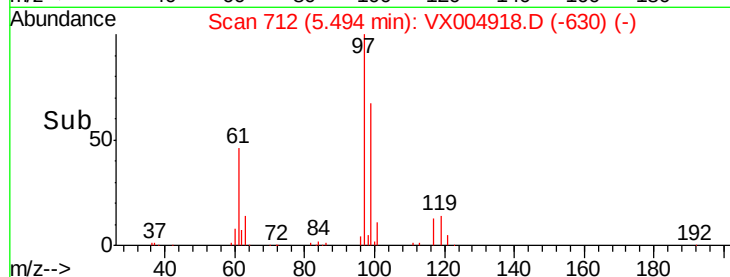
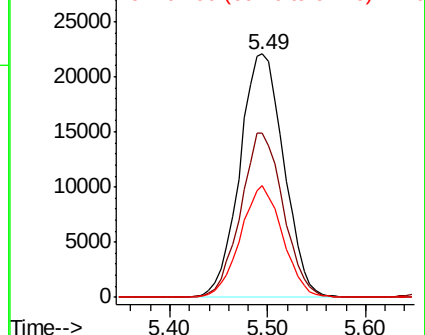


Abundance

Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#33

Carbon Tetrachloride

Concen: 2.313 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.29 min

Lab File: VX004918.D

Acq: 02 Oct 2018 14:23

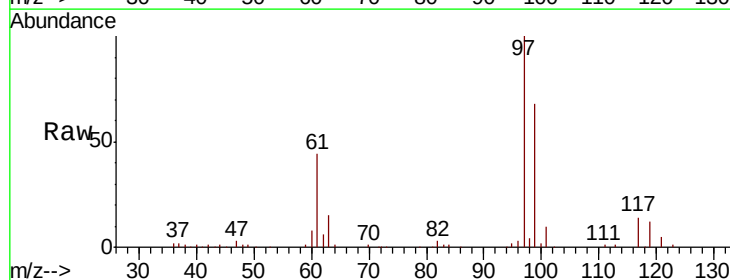
Tgt Ion: 117 Resp: 9360

Ion Ratio Lower Upper

117 100

119 89.5 76.2 114.4

121 32.5 25.2 37.8

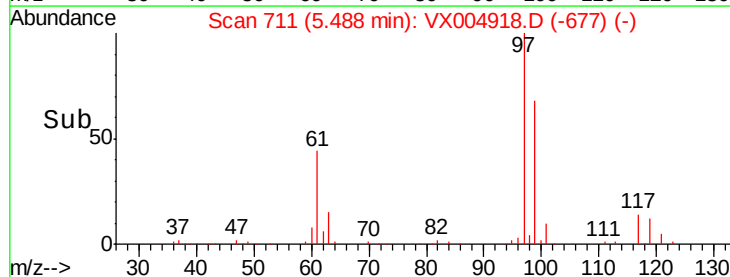
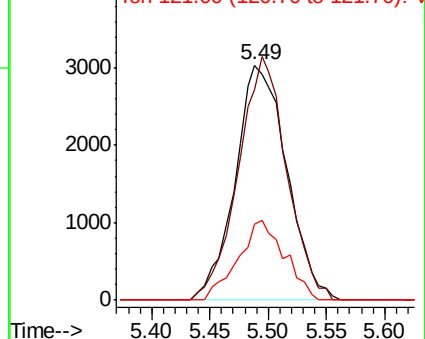


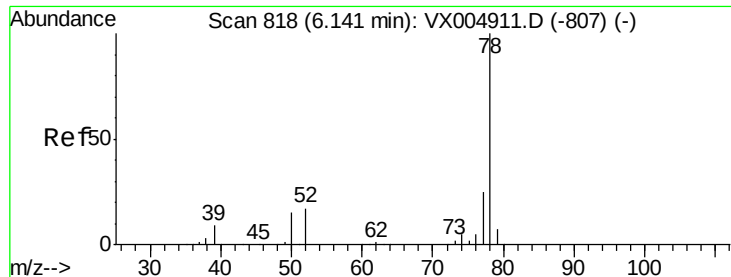
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#34

Benzene

Concen: 75.685 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX004918.D

Acq: 02 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

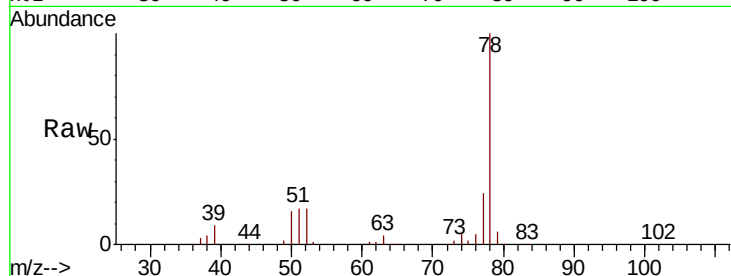
Tot Ion: 78 Resp: 920626

Ion Ratio Lower Upper

78 100

77 23.5 19.8 29.8

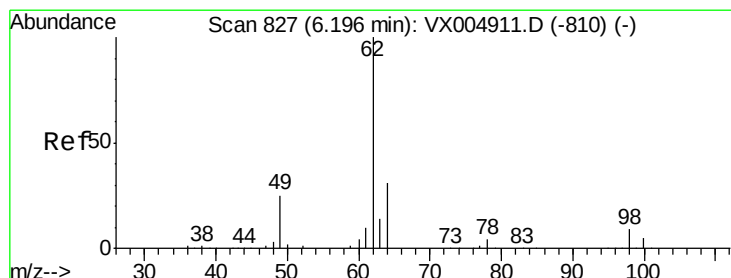
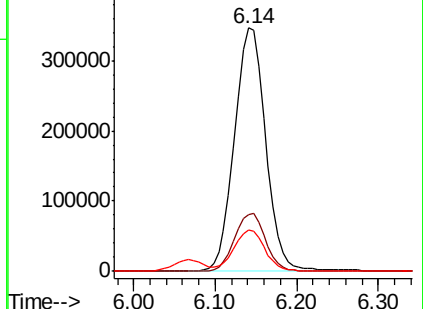
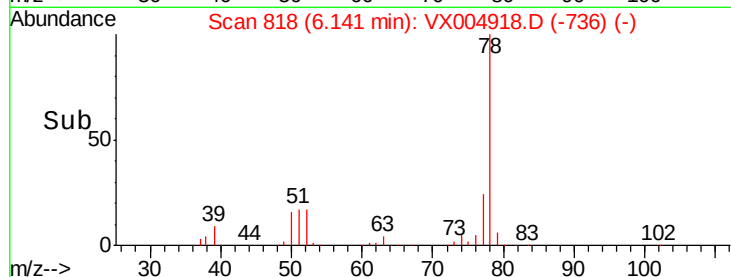
51 16.9 13.8 20.6



Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#36

1,2-Dichloroethane

Concen: 1.757 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.05 min

Lab File: VX004918.D

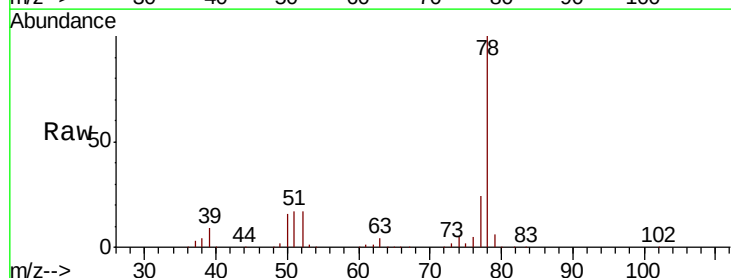
Acq: 02 Oct 2018 14:23

Tgt Ion: 62 Resp: 7701

Ion Ratio Lower Upper

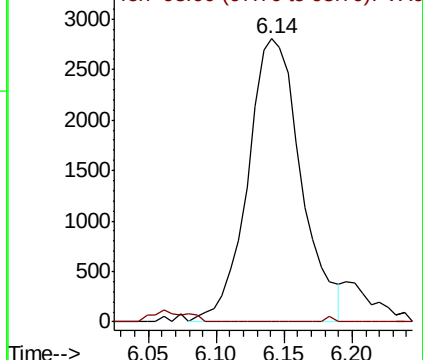
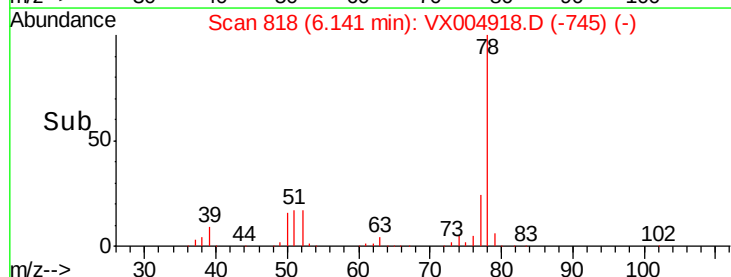
62 100

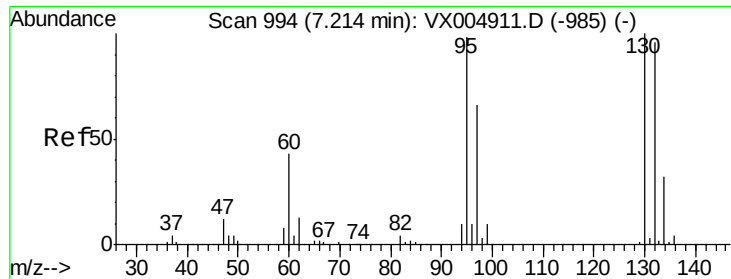
98 0.0 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

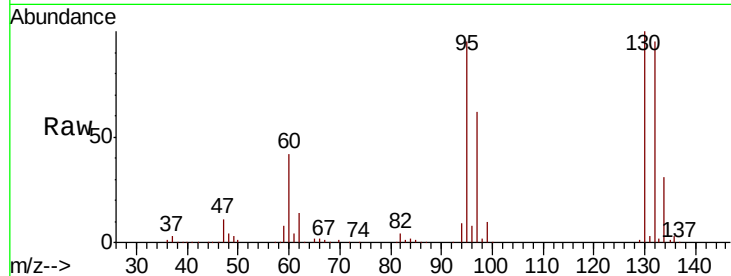




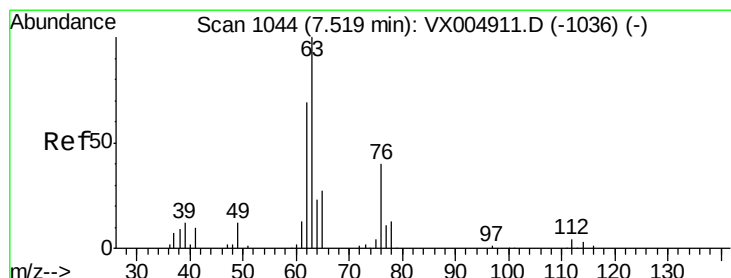
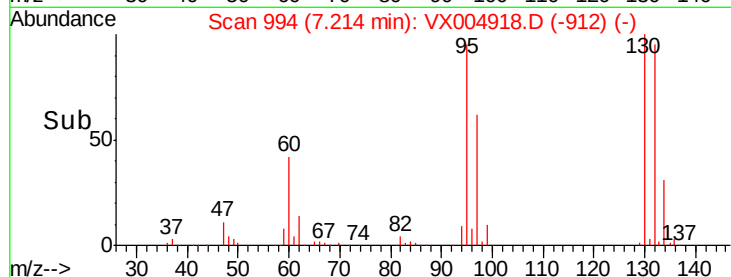
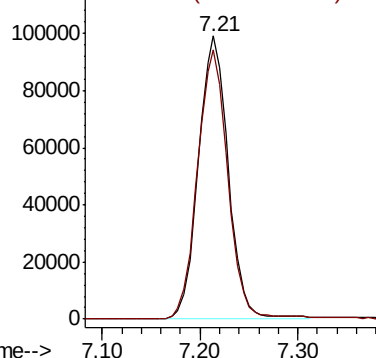
#37
 Trichloroethene
 Concen: 65.595 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004918.D
 Acq: 02 Oct 2018 14:23

Instrument :
 MSVOA_X
 ClientSampled :
 PT-VOA-WP

Tot Ion:130 Resp: 210173
 Ion Ratio Lower Upper
 130 100
 95 94.9 78.5 117.7

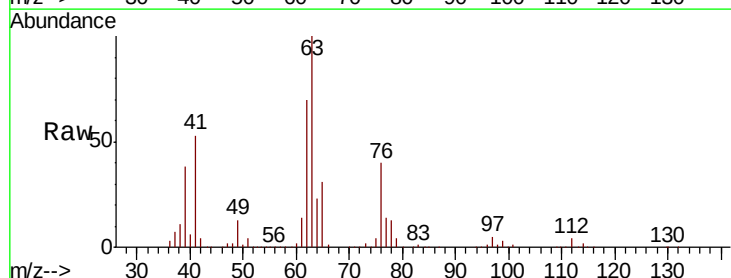


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

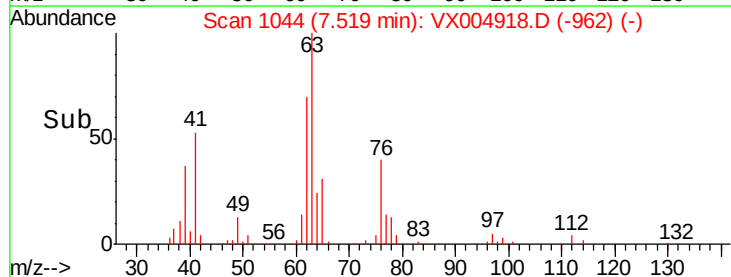
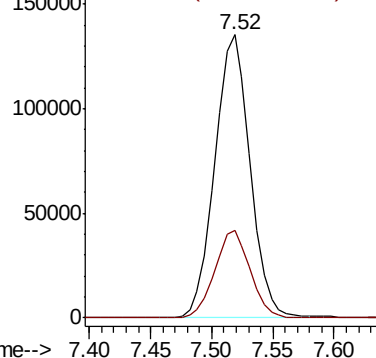


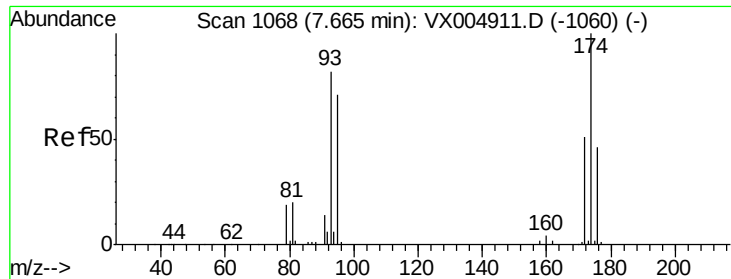
#39
 1,2-Dichloropropane
 Concen: 83.969 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004918.D
 Acq: 02 Oct 2018 14:23

Tgt Ion: 63 Resp: 272144
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.2 34.8



Abundance Ion 63.00 (62.70 to 63.70): VX0
 Ion 65.00 (64.70 to 65.70): VX0





#40

Dibromomethane

Concen: 111.627 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX004918.D

Acq: 02 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

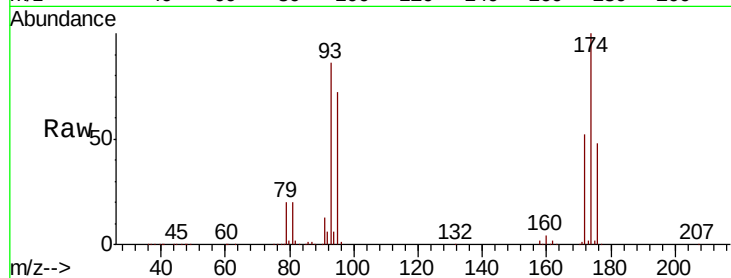
Tot Ion: 93 Resp: 234487

Ion Ratio Lower Upper

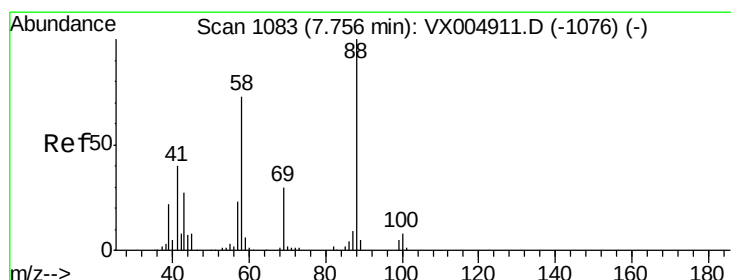
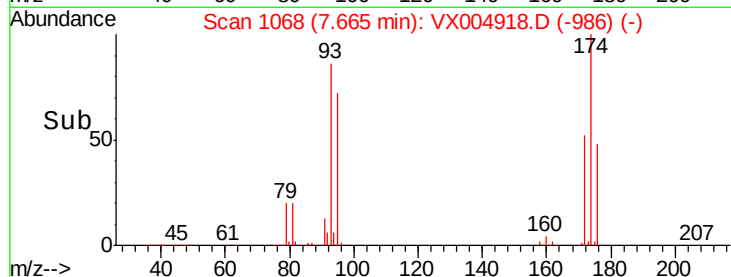
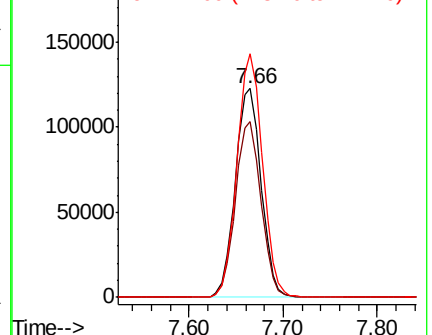
93 100

95 83.7 0.0 172.4

174 115.1 0.0 234.0



Abundance Ion 93.00 (92.70 to 93.70): VX0
Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V



#45

1,4-Dioxane

Concen: 0.794 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VX004918.D

Acq: 02 Oct 2018 14:23

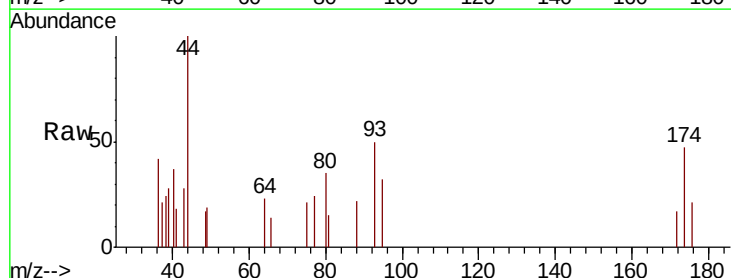
Tgt Ion: 88 Resp: 75

Ion Ratio Lower Upper

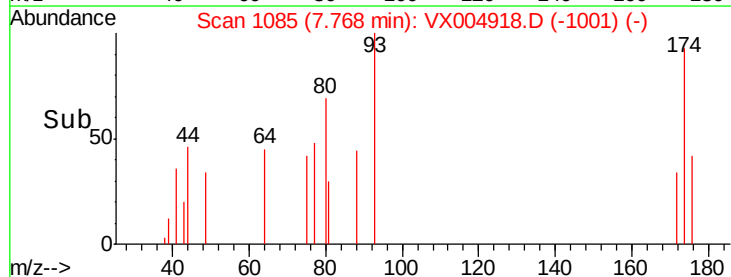
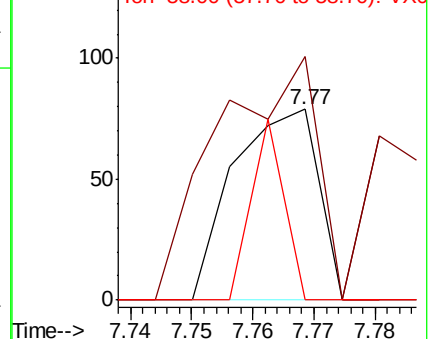
88 100

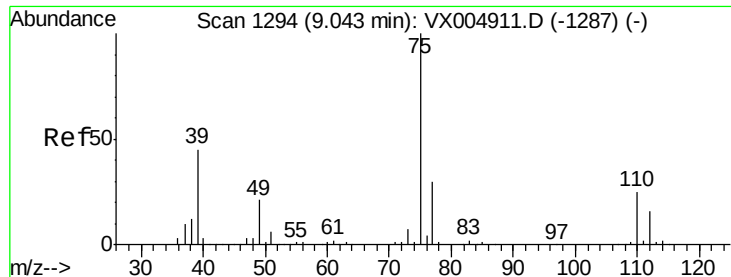
43 152.0 25.4 38.0#

58 0.0 61.0 91.6#



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

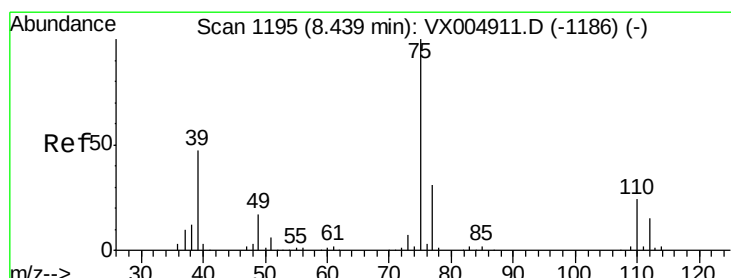
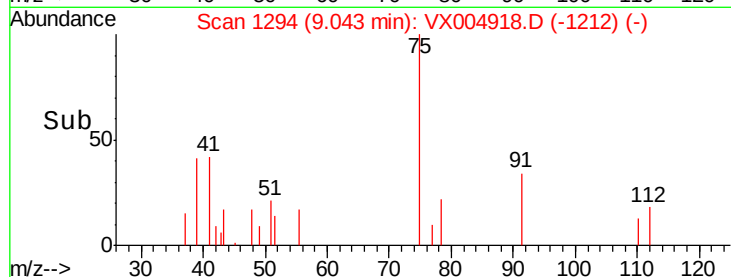
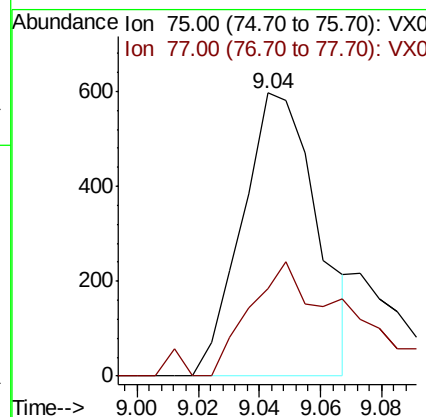
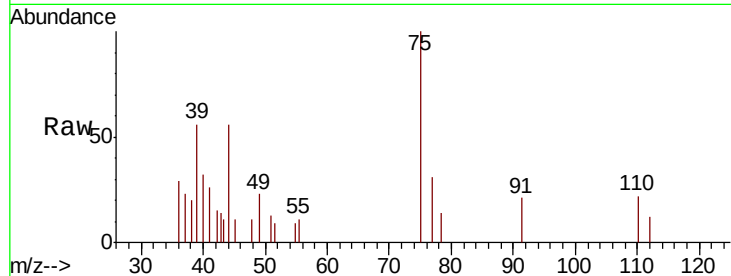




#48
 t-1,3-Dichloropropene
 Concen: 0.220 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX004918.D
 Acq: 02 Oct 2018 14:23

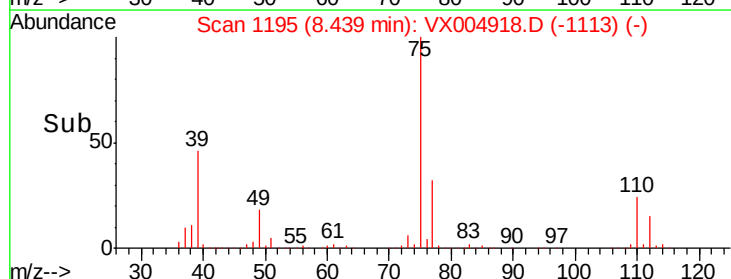
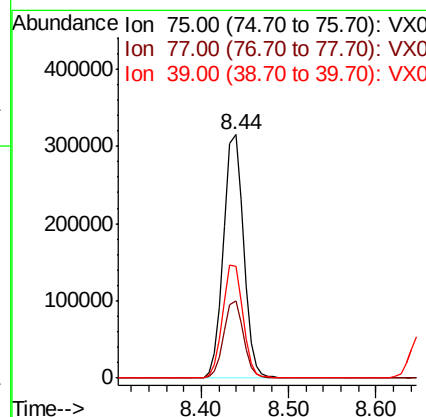
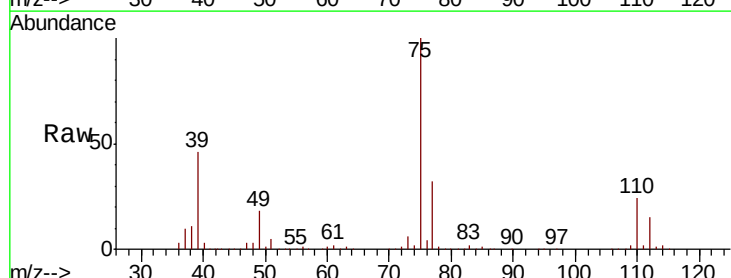
Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WP

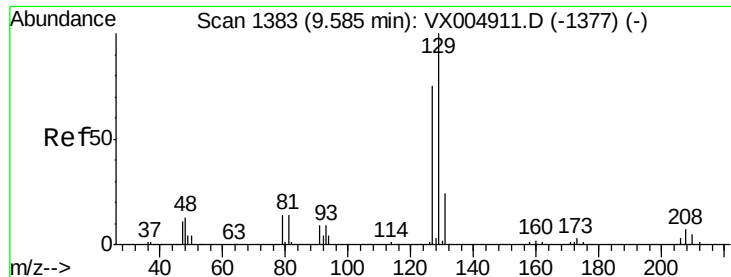
Tot Ion: 75 Resp: 1019
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.4 36.6



#49
 cis-1,3-Dichloropropene
 Concen: 99.697 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX004918.D
 Acq: 02 Oct 2018 14:23

Tgt Ion: 75 Resp: 500652
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.9 37.3
 39 45.9 38.0 57.0





#53

Dibromochloromethane

Concen: 61.661 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VX004918.D

Acq: 02 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

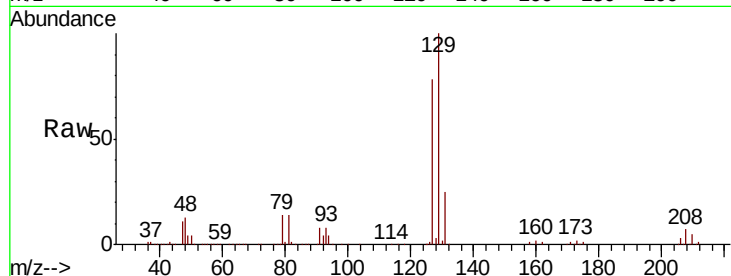
PT-VOA-WP

Tot Ion:129 Resp: 203456

Ion Ratio Lower Upper

129 100

127 77.4 38.3 114.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

150000

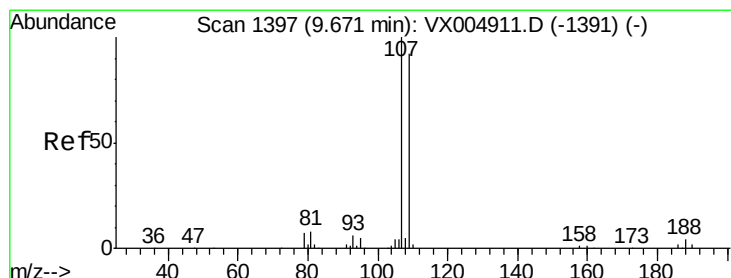
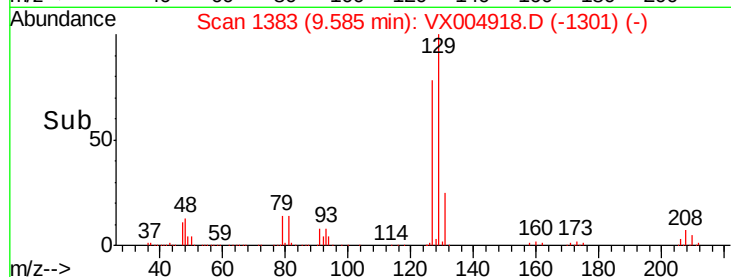
9.59

100000

50000

0

Time--> 9.50 9.55 9.60 9.65 9.70



#54

1,2-Dibromoethane

Concen: 87.059 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX004918.D

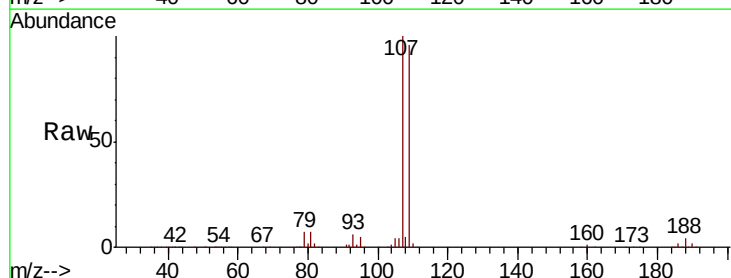
Acq: 02 Oct 2018 14:23

Tgt Ion:107 Resp: 288544

Ion Ratio Lower Upper

107 100

109 95.0 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

200000

9.67

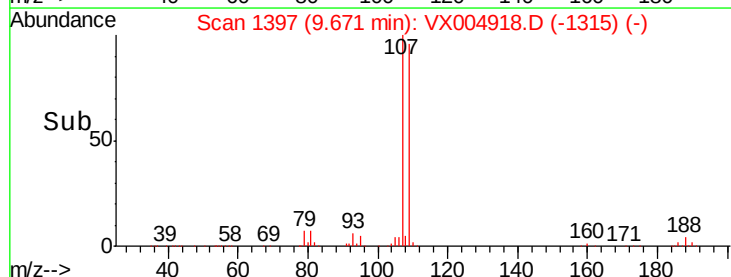
150000

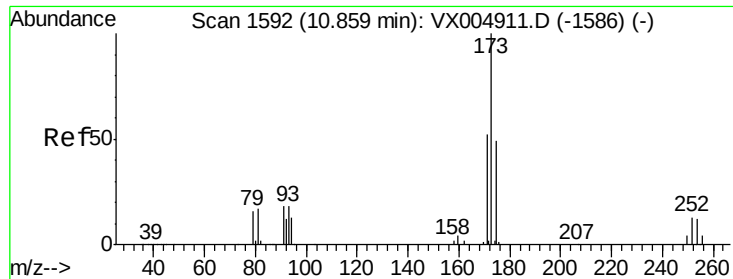
100000

50000

0

Time--> 9.60 9.65 9.70 9.75

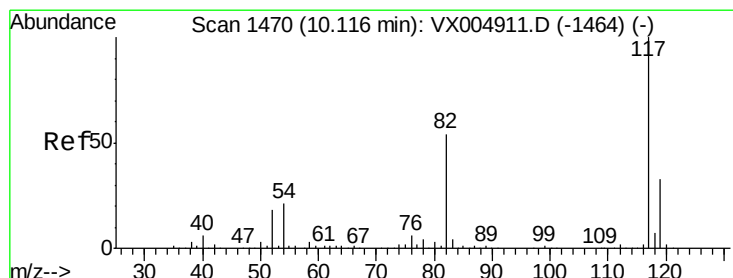
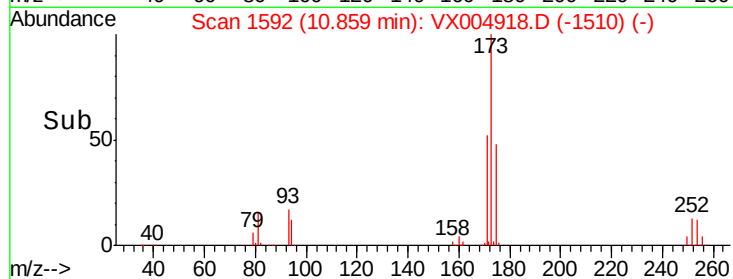
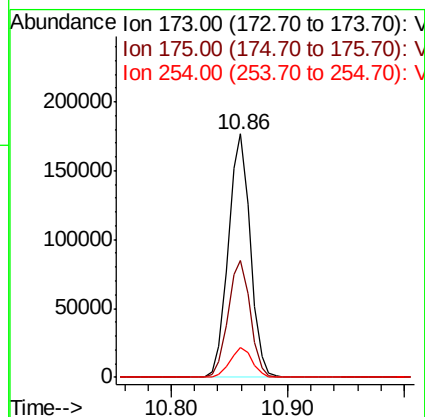
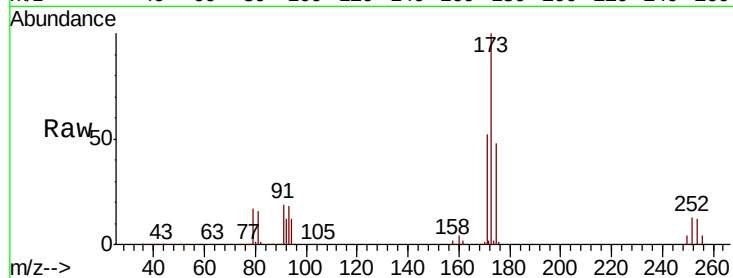




#56
Bromoform
Concen: 83.611 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004918.D
Acq: 02 Oct 2018 14:23

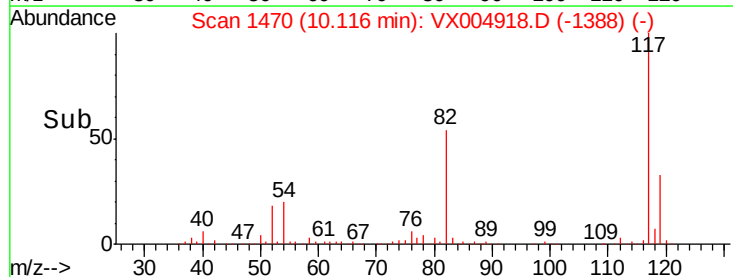
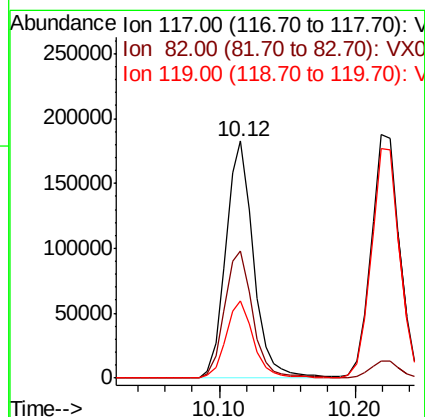
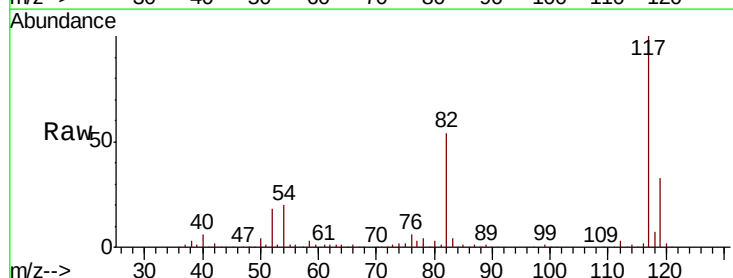
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

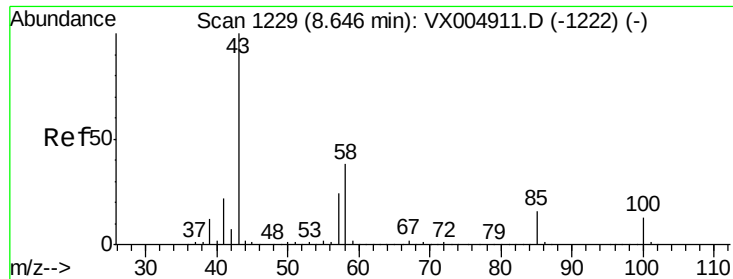
Tot Ion:173 Resp: 230393
Ion Ratio Lower Upper
173 100
175 48.7 39.7 59.5
254 12.3 9.6 14.4



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004918.D
Acq: 02 Oct 2018 14:23

Tgt Ion:117 Resp: 258460
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.4
119 32.5 25.8 38.6

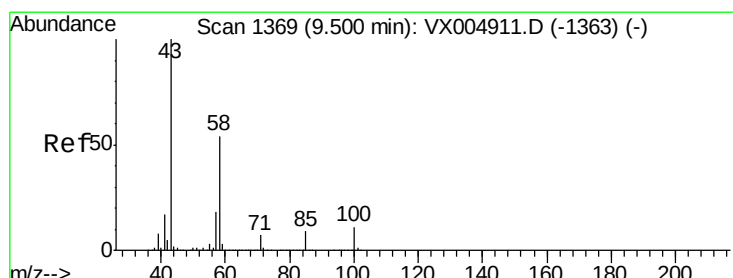
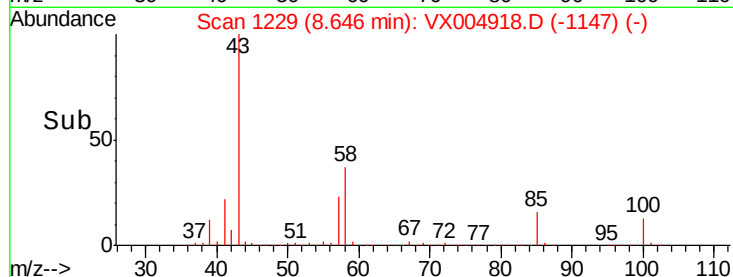
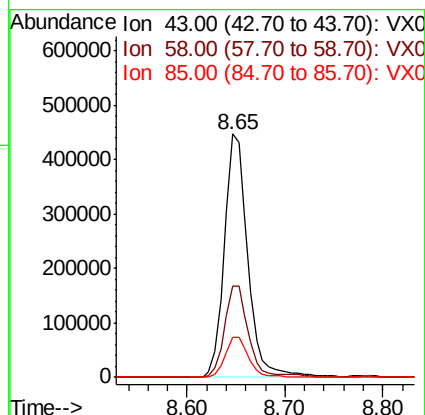
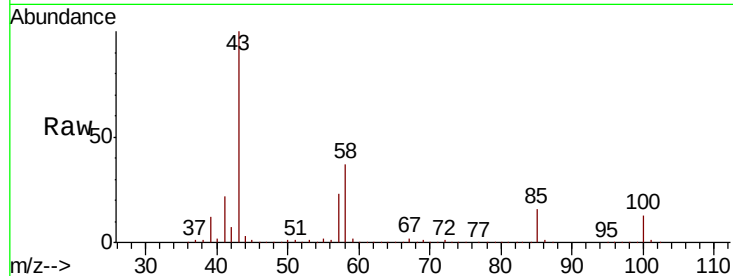




#58
4-Methyl-2-Pentanone
Concen: 128.755 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX004918.D
Acq: 02 Oct 2018 14:23

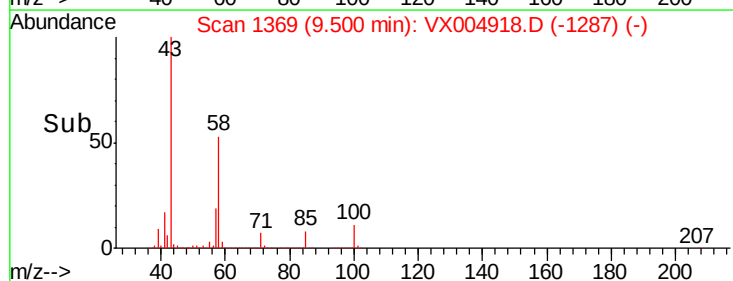
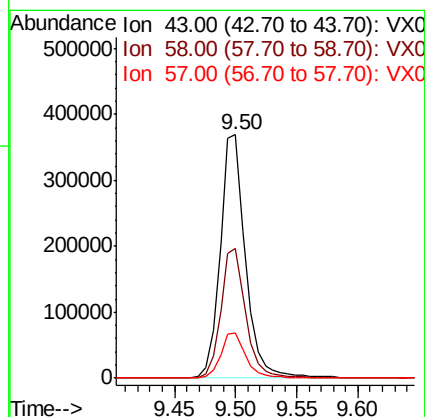
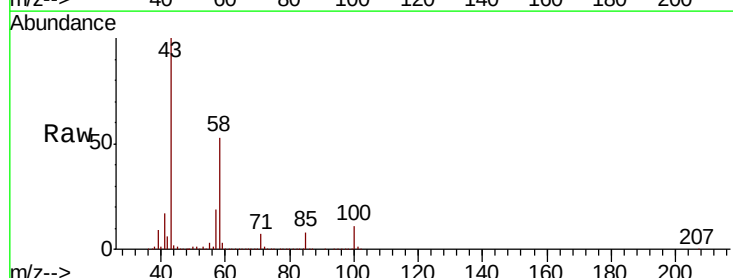
Instrument :
MSVOA_X
ClientSampled :
PT-VOA-WP

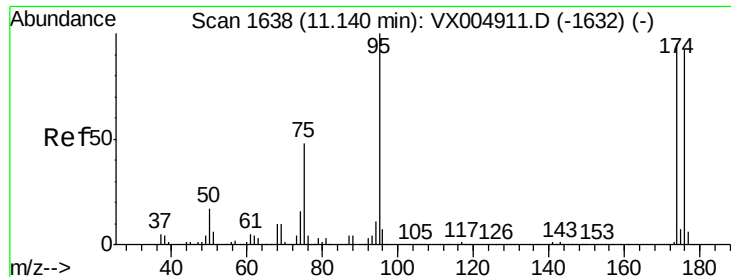
Tot Ion: 43 Resp: 747191
Ion Ratio Lower Upper
43 100
58 38.5 30.8 46.2
85 16.7 13.1 19.7



#59
2-Hexanone
Concen: 111.262 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004918.D
Acq: 02 Oct 2018 14:23

Tgt Ion: 43 Resp: 531964
Ion Ratio Lower Upper
43 100
58 52.6 42.7 64.1
57 18.3 14.6 22.0

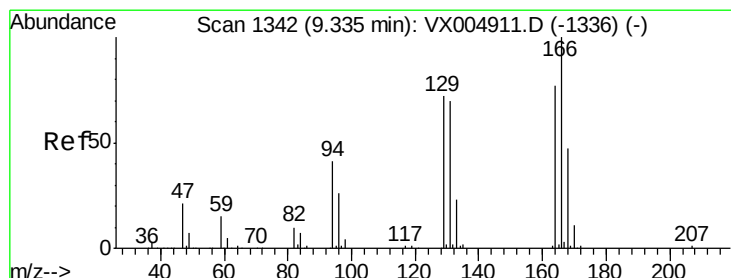
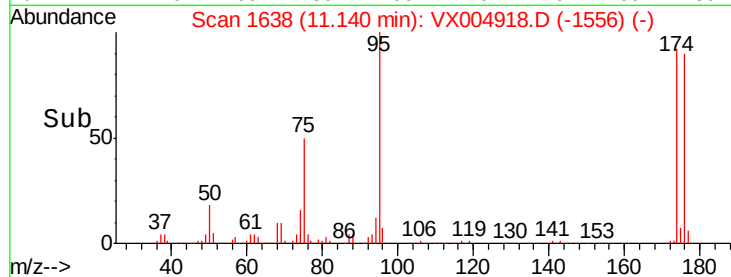
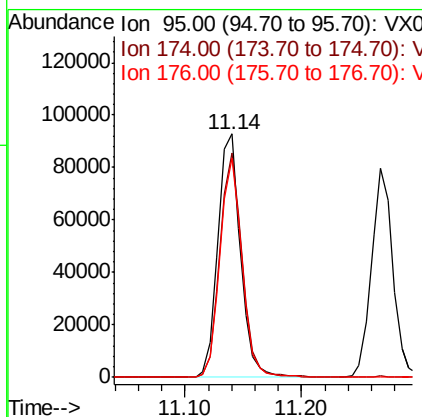
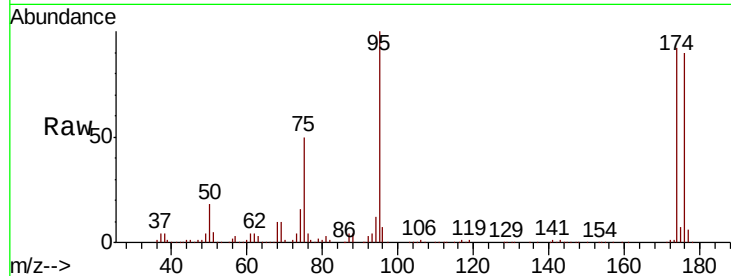




#60
4-Bromofluorobenzene
Concen: 28.888 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004918.D
Acq: 02 Oct 2018 14:23

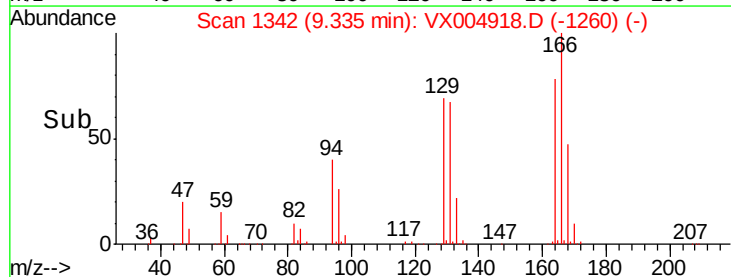
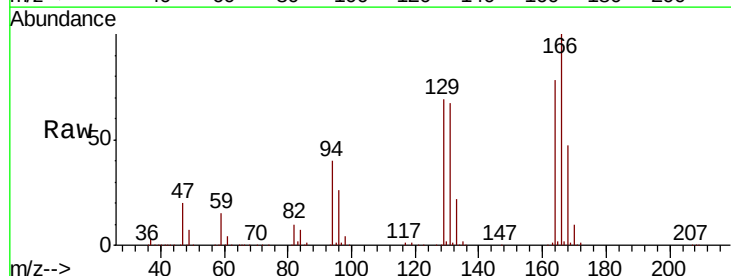
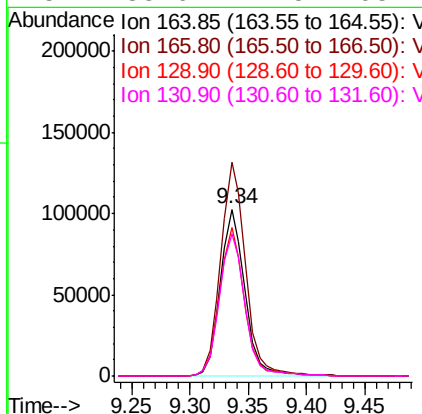
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

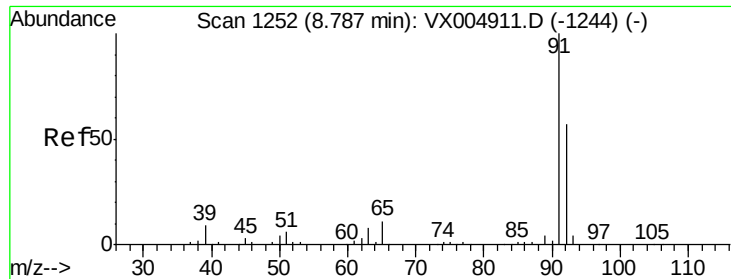
Tot Ion: 95 Resp: 124105
Ion Ratio Lower Upper
95 100
174 90.3 73.1 109.7
176 87.8 71.0 106.6



#61
Tetrachloroethene
Concen: 47.949 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004918.D
Acq: 02 Oct 2018 14:23

Tgt Ion: 164 Resp: 150817
Ion Ratio Lower Upper
164 100
166 128.2 104.0 156.0
129 88.9 75.1 112.7
131 85.6 72.5 108.7





#62

Toluene

Concen: 46.818 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004918.D

Acq: 02 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

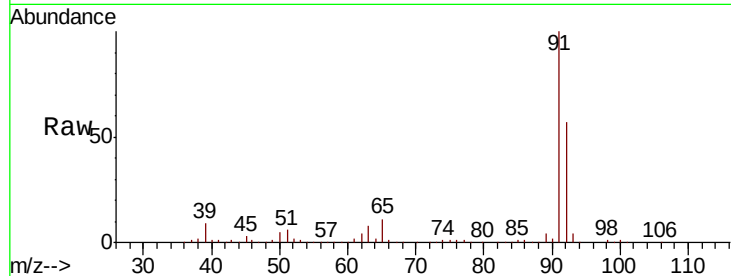
PT-VOA-WP

Tot Ion: 91 Resp: 635941

Ion Ratio Lower Upper

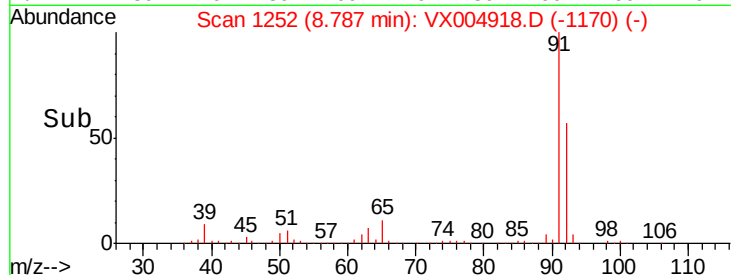
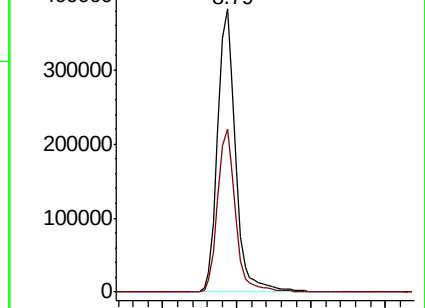
91 100

92 57.5 46.2 69.4

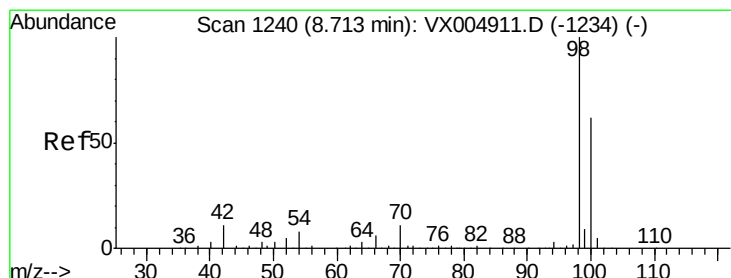


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0



Time-->



#63

Toluene-d8

Concen: 30.665 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX004918.D

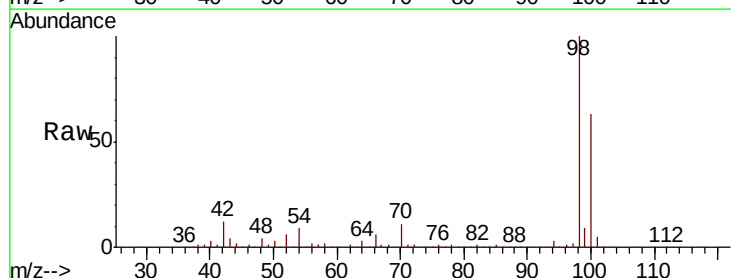
Acq: 02 Oct 2018 14:23

Tgt Ion: 98 Resp: 353781

Ion Ratio Lower Upper

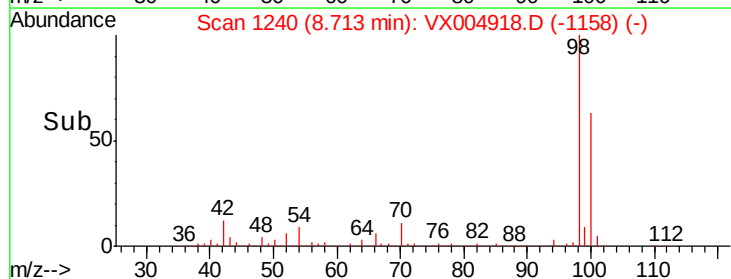
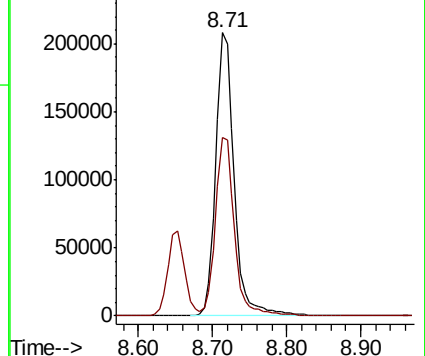
98 100

100 64.2 51.6 77.4

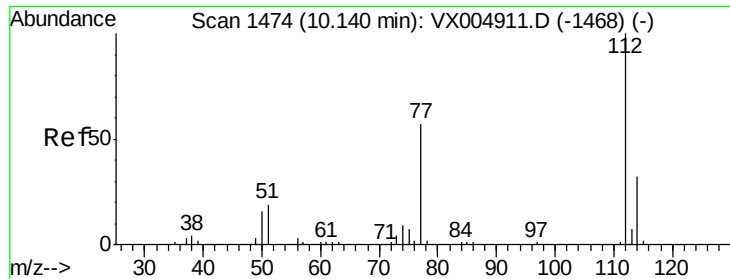


Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->



#64

Chlorobenzene

Concen: 38.598 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX004918.D

Acq: 02 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampled :

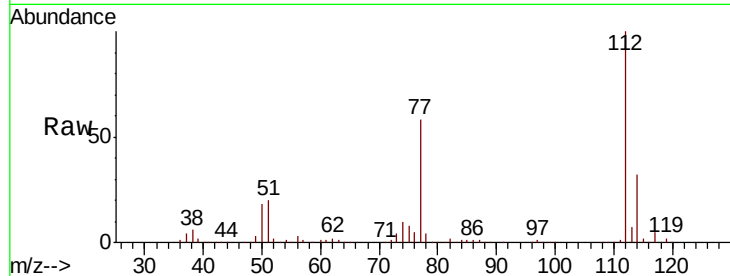
PT-VOA-WP

Tot Ion:112 Resp: 338585

Ion Ratio Lower Upper

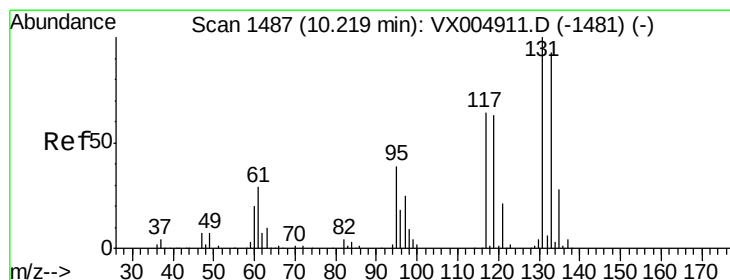
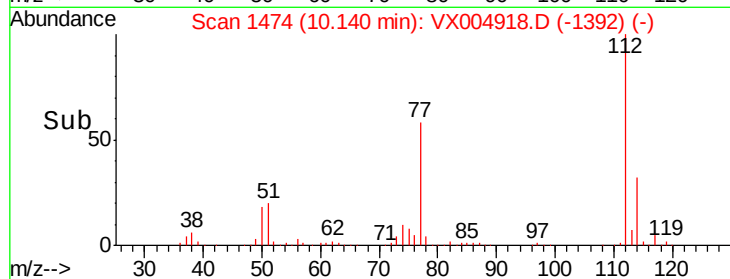
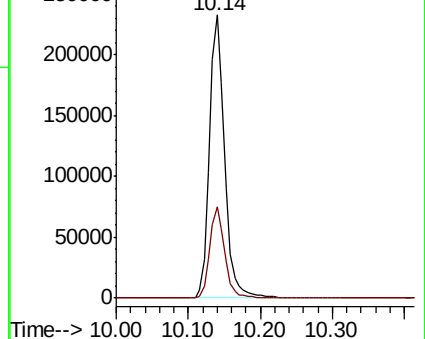
112 100

114 32.4 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#65

1,1,1,2-Tetrachloroethane

Concen: 124.559 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX004918.D

Acq: 02 Oct 2018 14:23

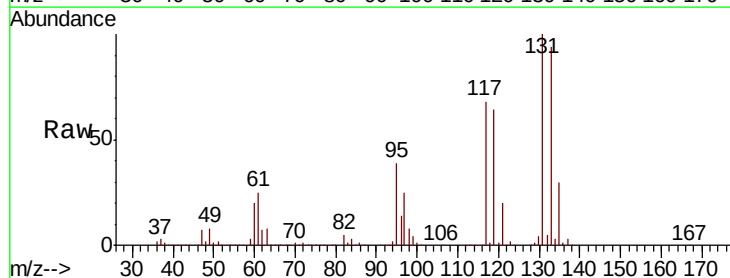
Tgt Ion:131 Resp: 397199

Ion Ratio Lower Upper

131 100

133 96.0 0.0 190.4

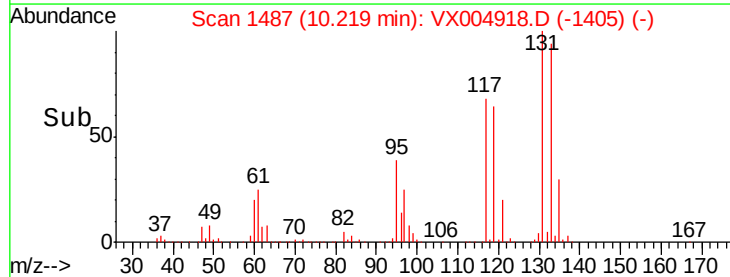
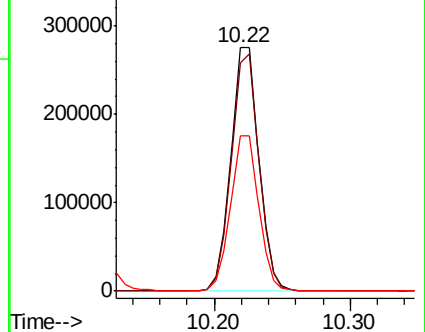
119 64.2 0.0 129.0

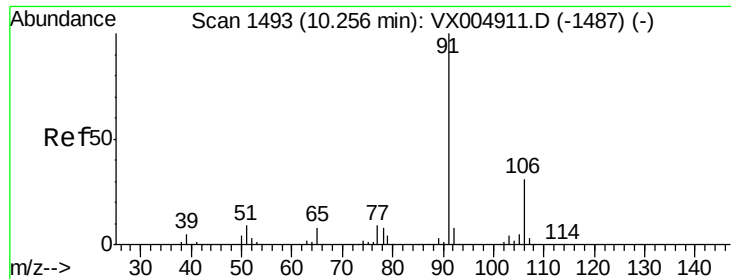


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#66

Ethyl Benzene

Concen: 14.585 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX004918.D

Acq: 02 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampled :

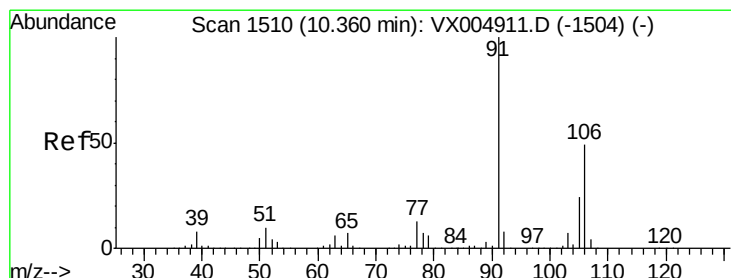
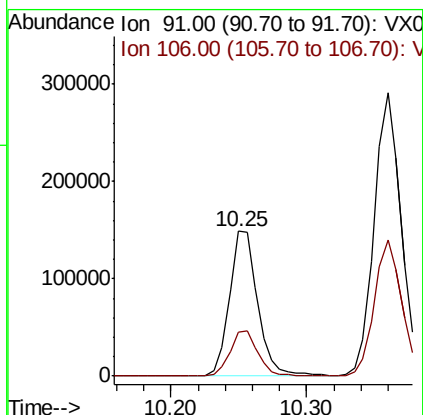
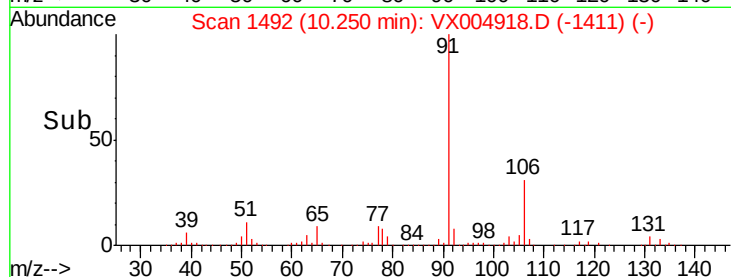
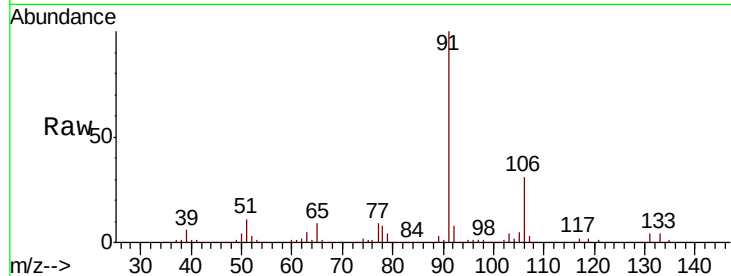
PT-VOA-WP

Tot Ion: 91 Resp: 216281

Ion Ratio Lower Upper

91 100

106 30.5 24.5 36.7



#67

m/p-Xylenes

Concen: 34.528 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004918.D

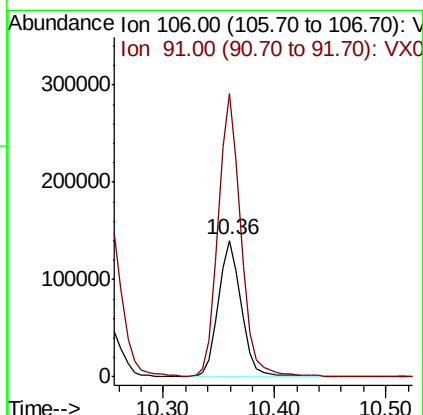
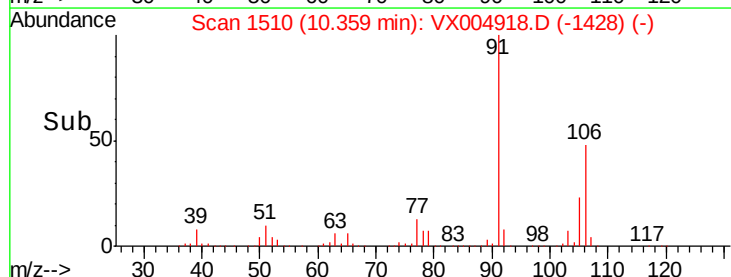
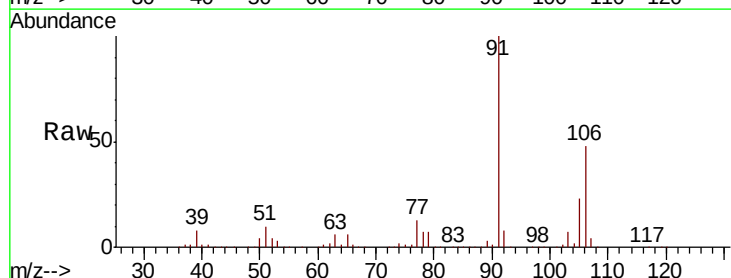
Acq: 02 Oct 2018 14:23

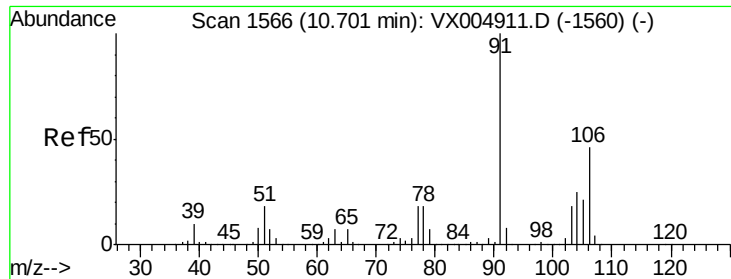
Tgt Ion: 106 Resp: 199364

Ion Ratio Lower Upper

106 100

91 205.9 165.5 248.3

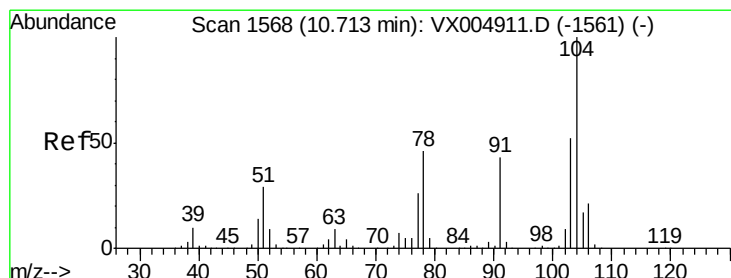
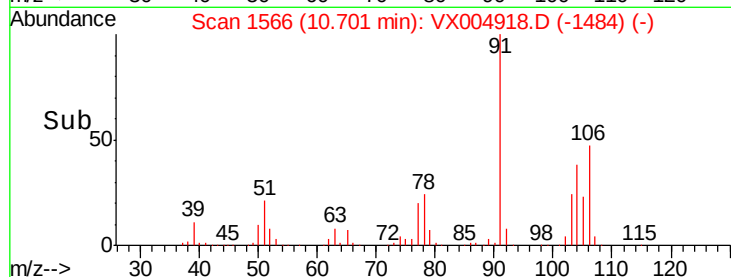
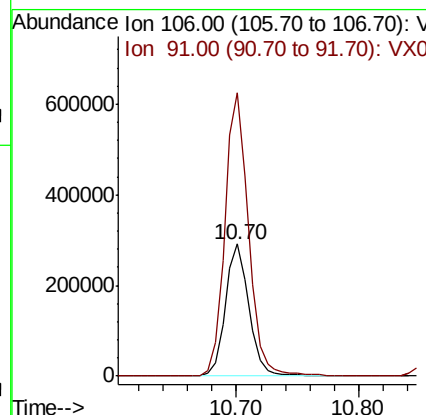
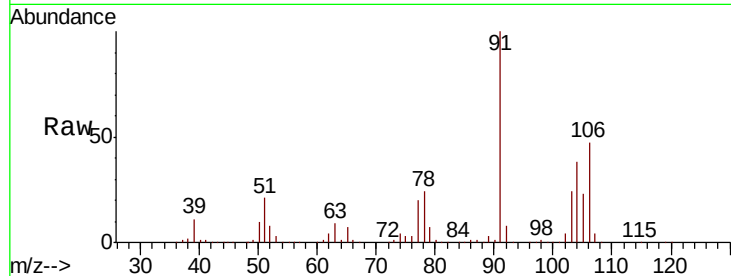




#68
o-Xylene
Concen: 70.136 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004918.D
Acq: 02 Oct 2018 14:23

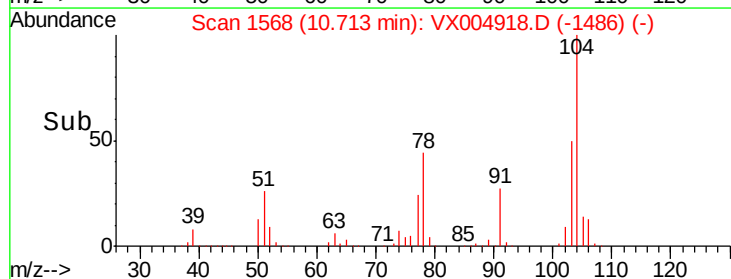
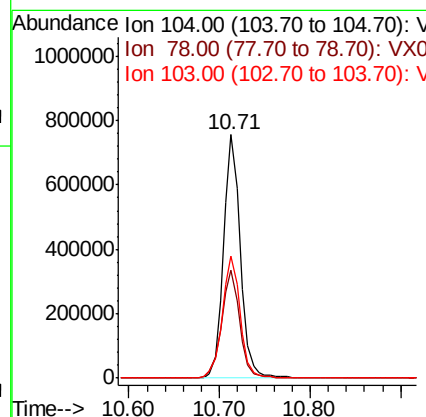
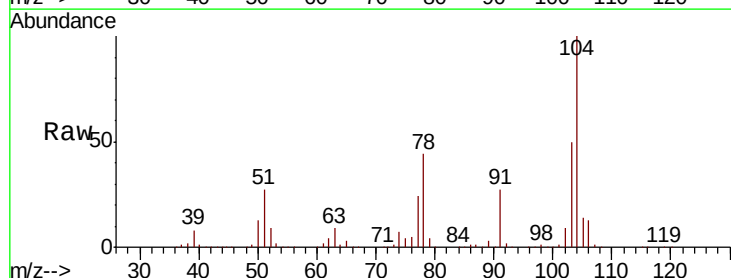
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

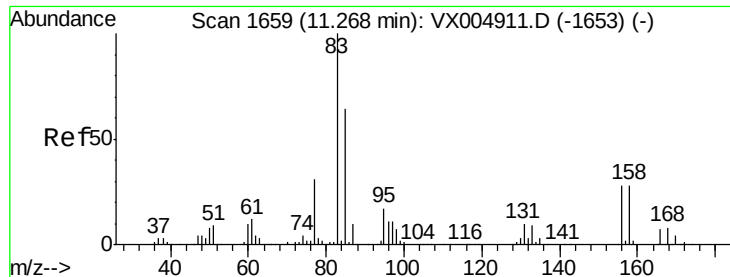
Tot Ion:106 Resp: 390363
Ion Ratio Lower Upper
106 100
91 214.6 109.1 327.2



#69
Styrene
Concen: 105.030 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004918.D
Acq: 02 Oct 2018 14:23

Tgt Ion:104 Resp: 982970
Ion Ratio Lower Upper
104 100
78 47.5 40.3 60.5
103 53.4 44.6 66.8

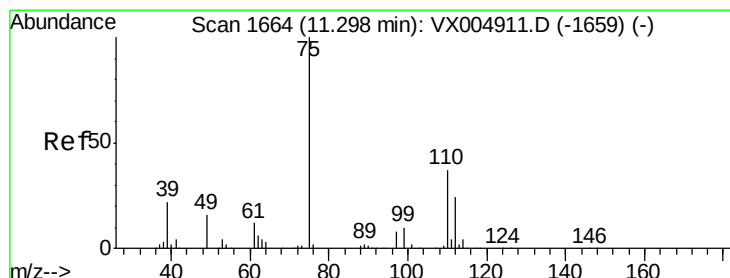
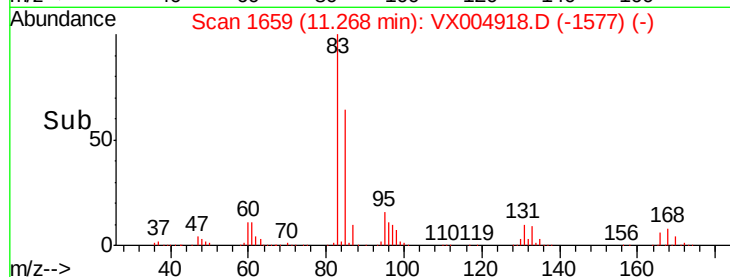
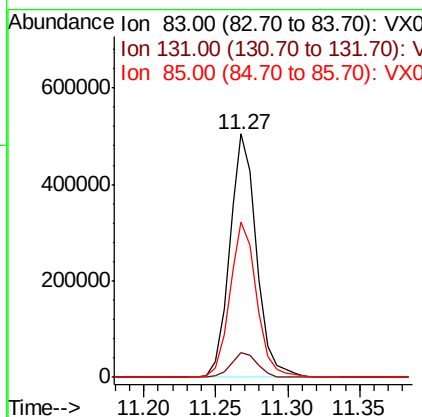
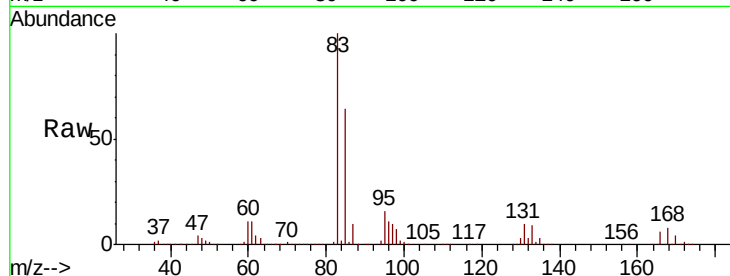




#71
 1,1,2,2-Tetrachloroethane
 Concen: 118.441 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX004918.D
 Acq: 02 Oct 2018 14:23

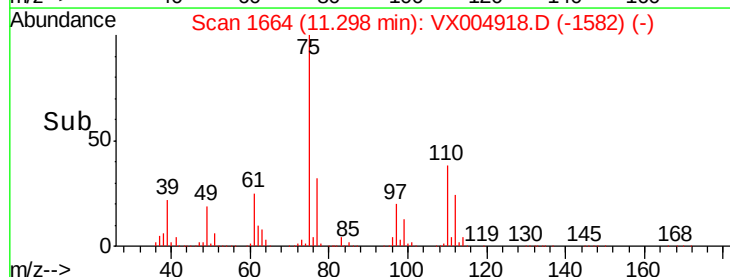
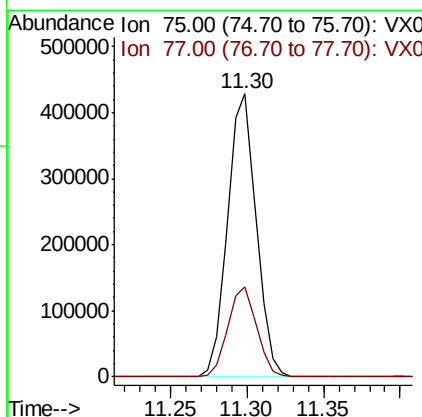
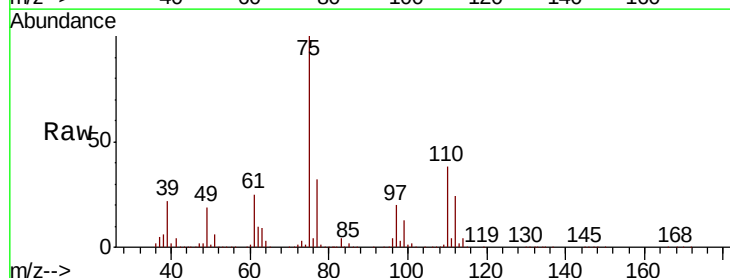
Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WP

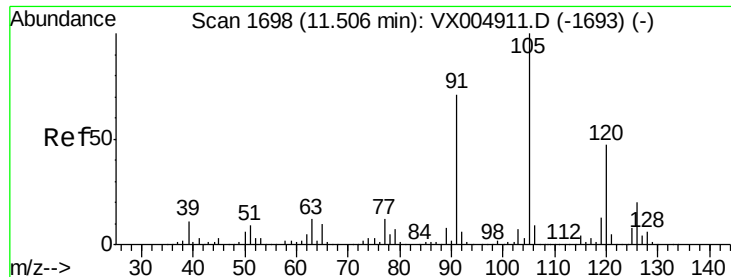
Tot Ion	83	Resp	655645
Ion Ratio	100		
Lower		5.1	
Upper		15.2	
85	64.1	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 110.026 ug/l
 RT: 11.30 min Scan# 1664
 Delta R.T. -0.00 min
 Lab File: VX004918.D
 Acq: 02 Oct 2018 14:23

Tgt Ion	75	Resp	554878
Ion Ratio	100		
Lower		0.0	
Upper		81.2	
77	32.0		





#76

1,3,5-Trimethylbenzene

Concen: 45.134 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004918.D

Acq: 02 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampled :

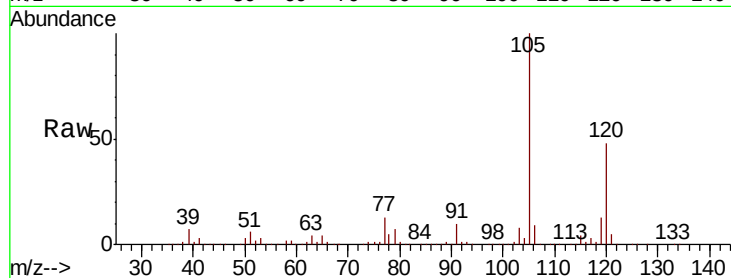
PT-VOA-WP

Tot Ion:105 Resp: 580395

Ion Ratio Lower Upper

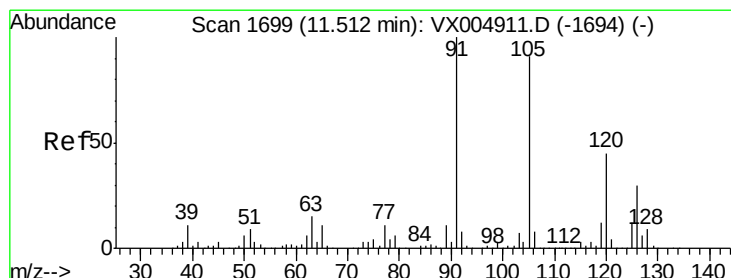
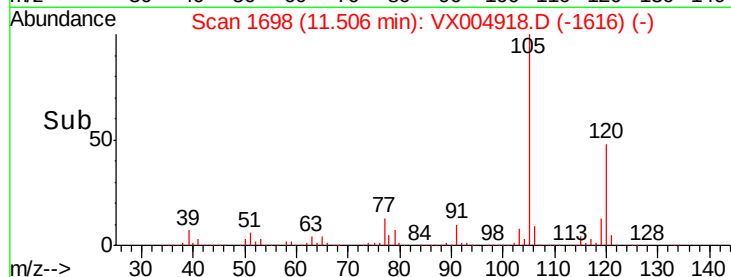
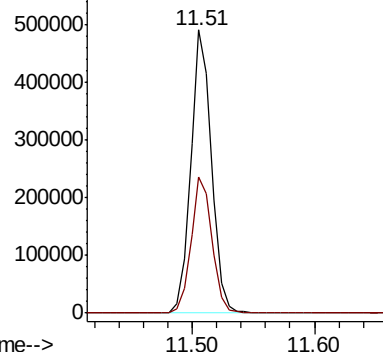
105 100

120 48.5 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

4-Chlorotoluene

Concen: 4.927 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX004918.D

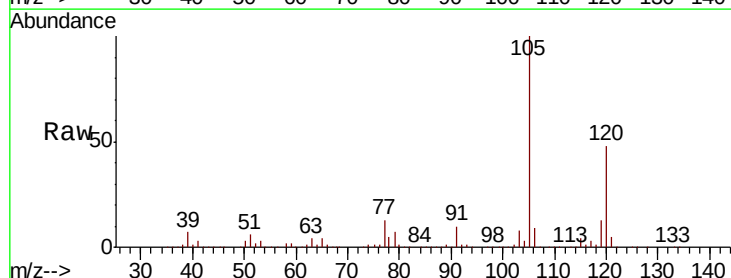
Acq: 02 Oct 2018 14:23

Tgt Ion: 91 Resp: 61247

Ion Ratio Lower Upper

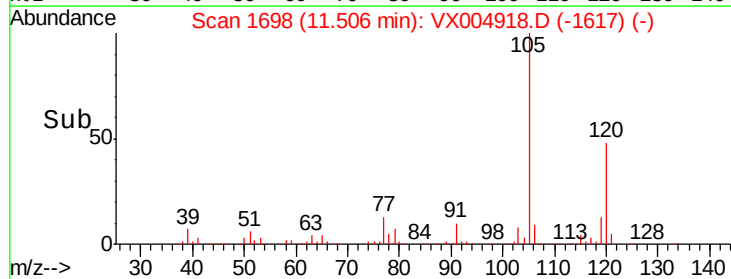
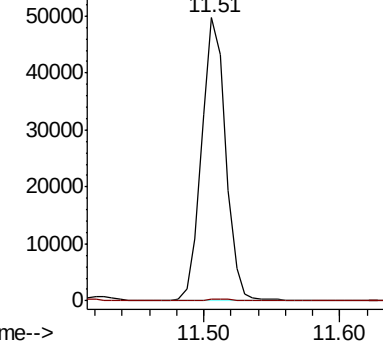
91 100

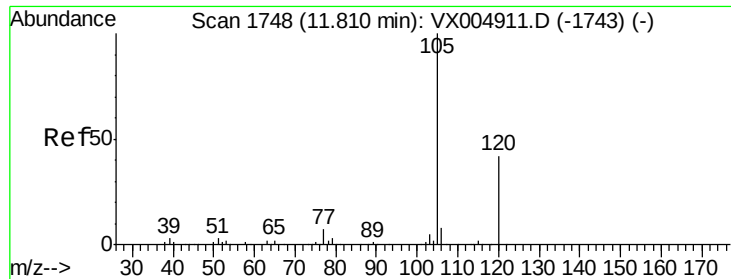
126 0.8 0.0 61.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

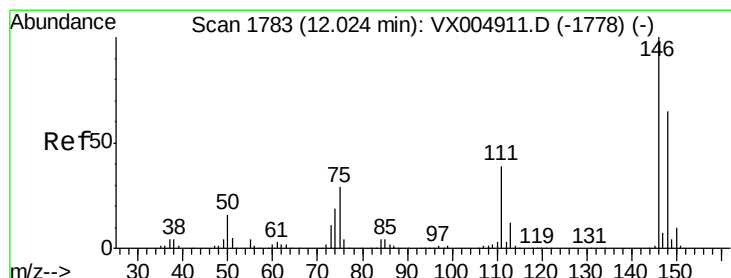
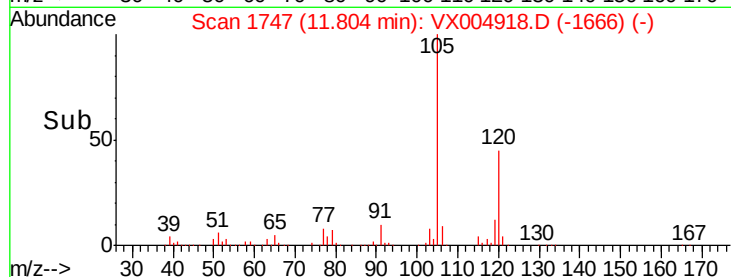
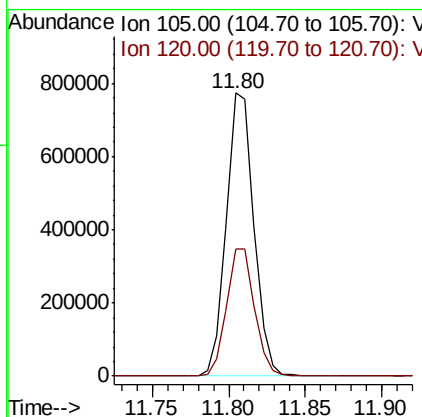
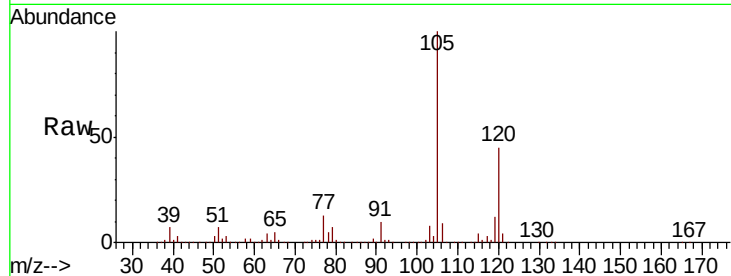




#80
 1,2,4-Trimethylbenzene
 Concen: 73.587 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.01 min
 Lab File: VX004918.D
 Acq: 02 Oct 2018 14:23

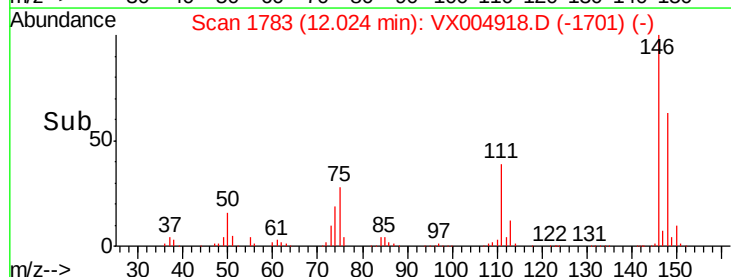
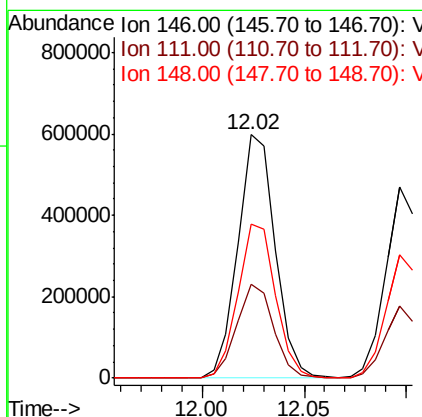
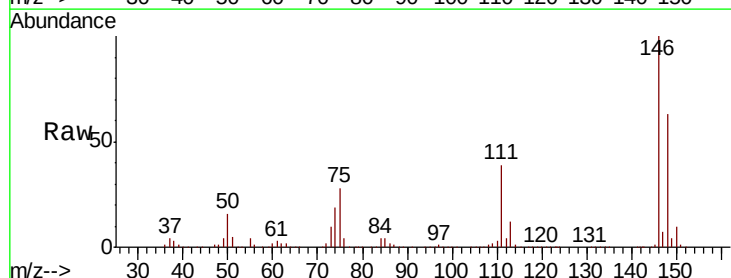
Instrument :
 MSVOA_X
 ClientSampled :
 PT-VOA-WP

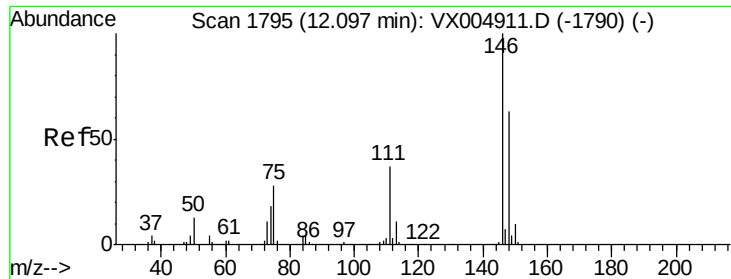
Tot Ion:105 Resp: 965032
 Ion Ratio Lower Upper
 105 100
 120 45.6 0.0 90.6



#83
 1,3-Dichlorobenzene
 Concen: 100.446 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX004918.D
 Acq: 02 Oct 2018 14:23

Tgt Ion:146 Resp: 760958
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.3 57.8
 148 64.0 32.4 97.2

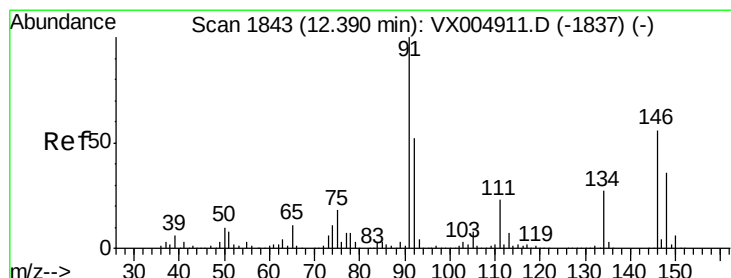
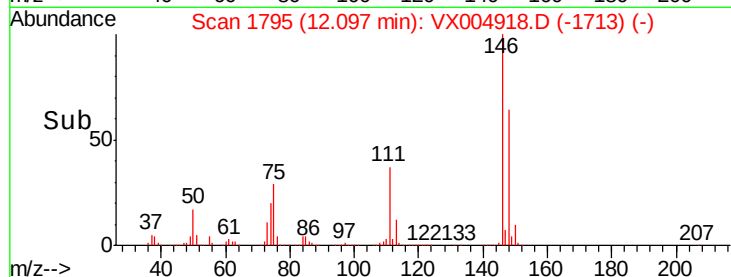
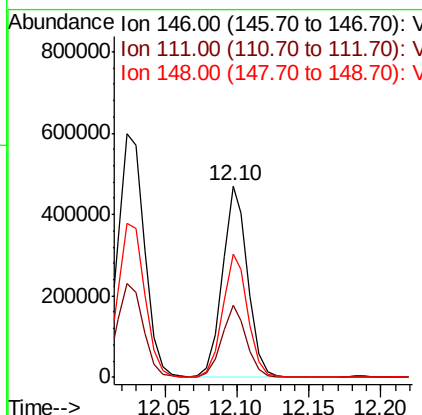
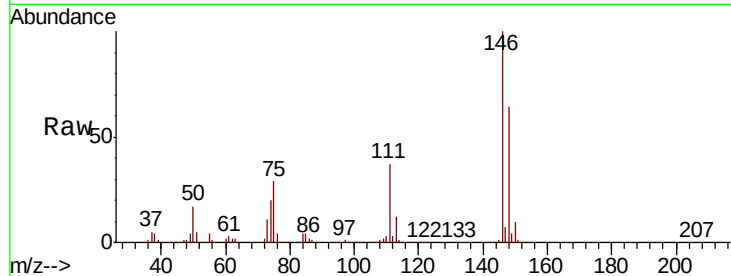




#84
 1,4-Dichlorobenzene
 Concen: 75.105 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004918.D
 Acq: 02 Oct 2018 14:23

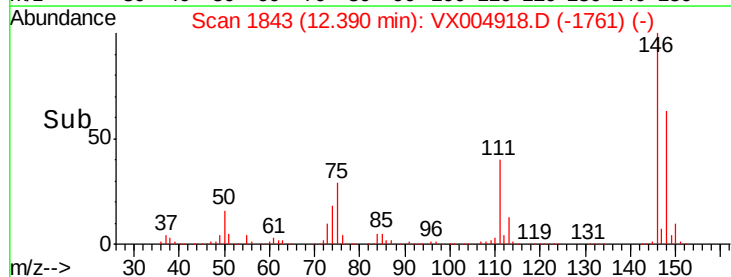
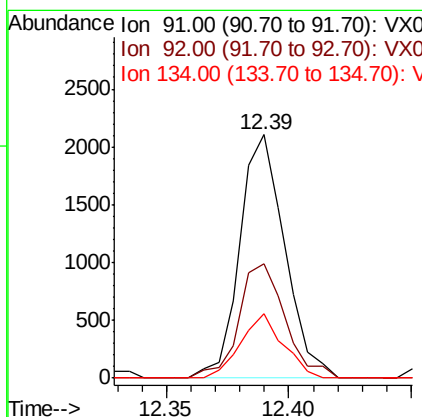
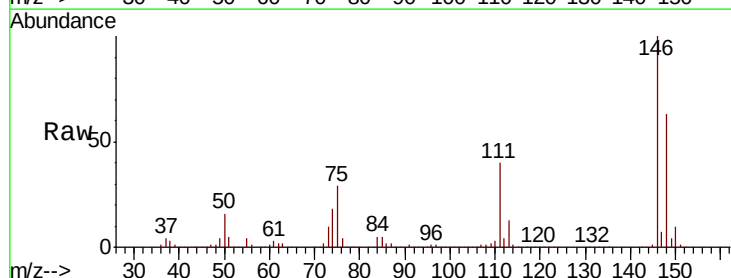
Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WP

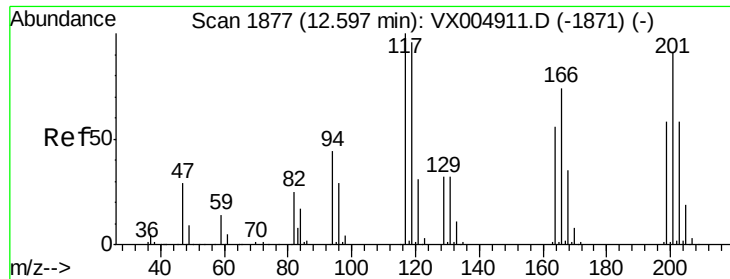
Tot Ion:146 Resp: 577401
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.1 54.4
 148 64.6 31.9 95.7



#85
 n-Butylbenzene
 Concen: 0.218 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX004918.D
 Acq: 02 Oct 2018 14:23

Tgt Ion: 91 Resp: 2700
 Ion Ratio Lower Upper
 91 100
 92 48.4 0.0 103.6
 134 25.1 0.0 52.2

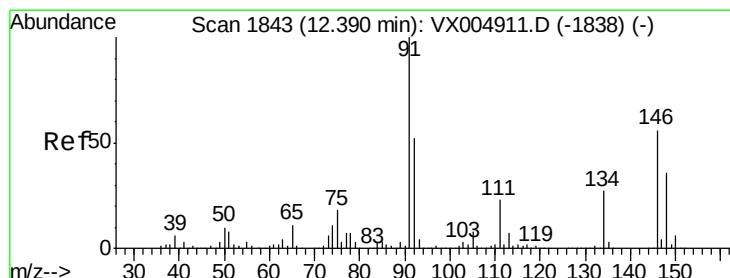
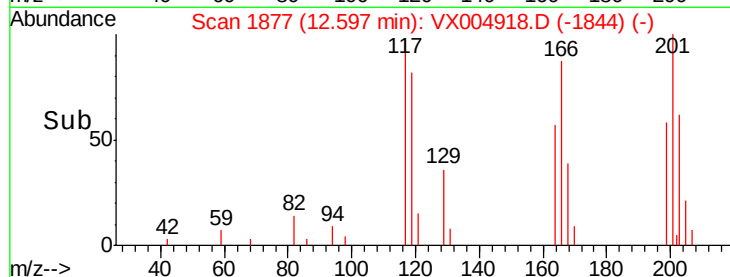
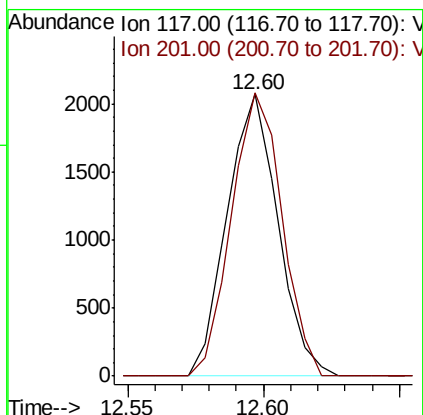
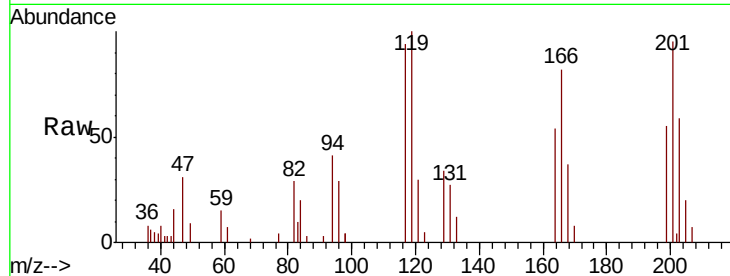




#86
Hexachloroethane
Concen: 1.194 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004918.D
Acq: 02 Oct 2018 14:23

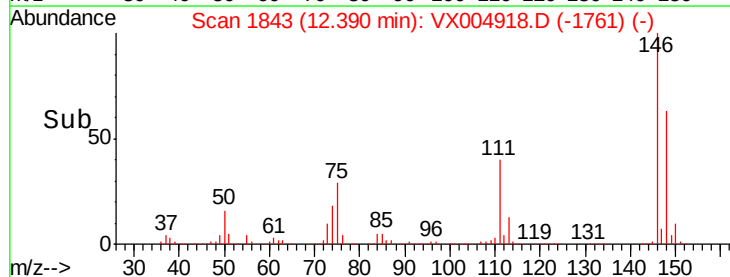
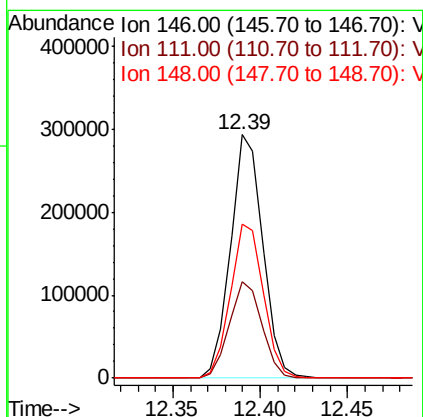
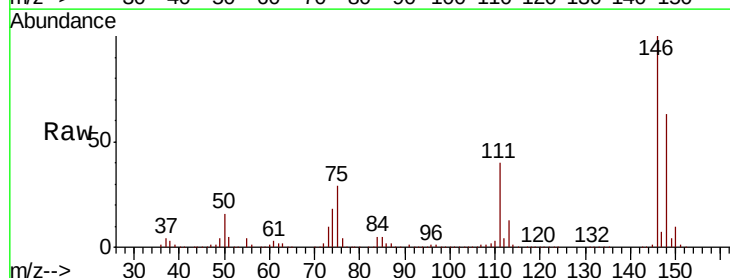
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

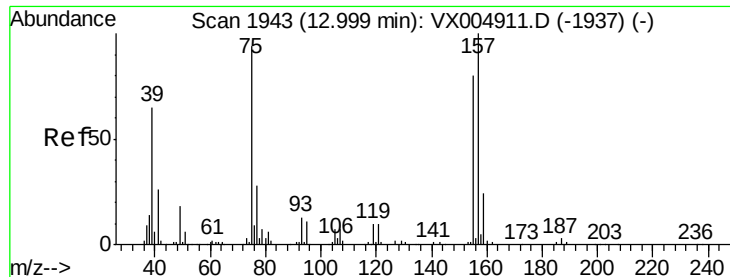
Tot Ion:117 Resp: 2684
Ion Ratio Lower Upper
117 100
201 99.8 47.1 141.4



#87
1,2-Dichlorobenzene
Concen: 48.975 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004918.D
Acq: 02 Oct 2018 14:23

Tgt Ion:146 Resp: 377160
Ion Ratio Lower Upper
146 100
111 40.0 19.6 58.7
148 64.7 31.9 95.9





#88

1,2-Dibromo-3-Chloropropane

Concen: 68.353 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX004918.D

Acq: 02 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

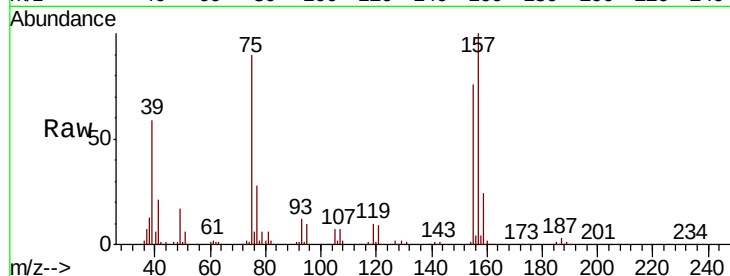
Tot Ion: 75 Resp: 87437

Ion Ratio Lower Upper

75 100

155 90.0 71.6 107.4

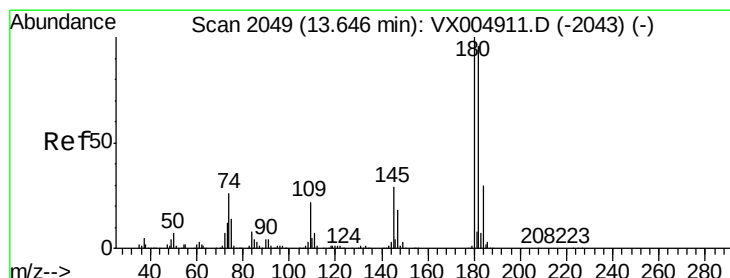
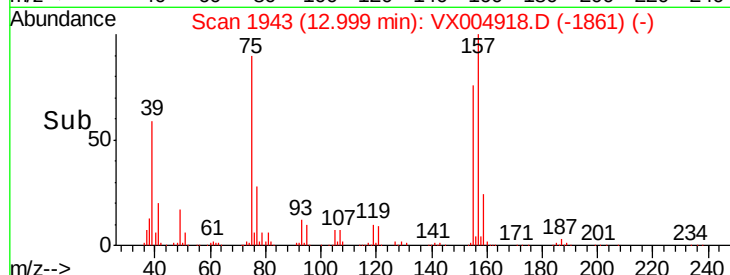
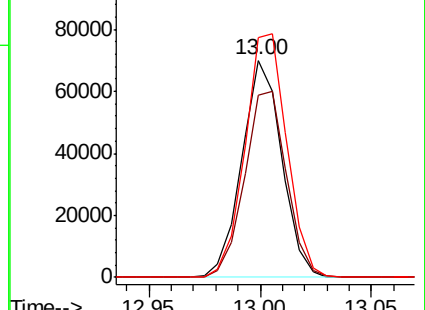
157 118.0 91.3 136.9



Abundance Ion 75.00 (74.70 to 75.70): VX004911.D (-1937) (-)

Ion 155.00 (154.70 to 155.70): VX004911.D (-1937) (-)

Ion 157.00 (156.70 to 157.70): VX004911.D (-1937) (-)



#89

1,2,4-Trichlorobenzene

Concen: 106.337 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX004918.D

Acq: 02 Oct 2018 14:23

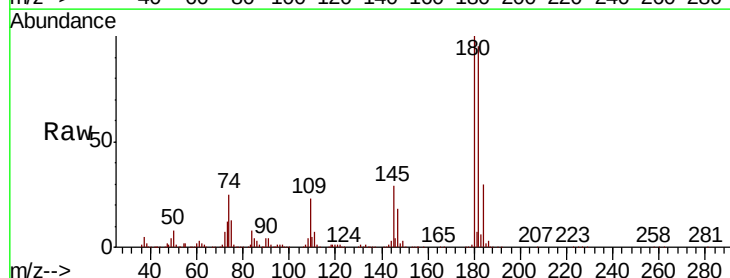
Tgt Ion: 180 Resp: 610882

Ion Ratio Lower Upper

180 100

182 95.9 76.8 115.2

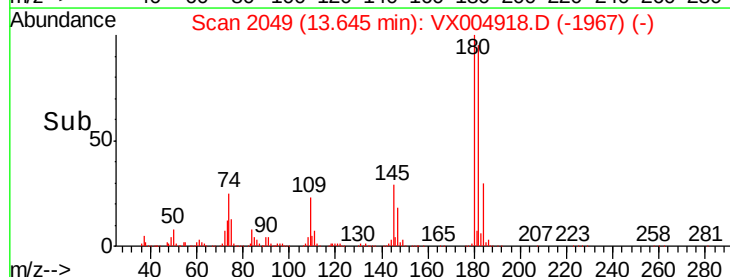
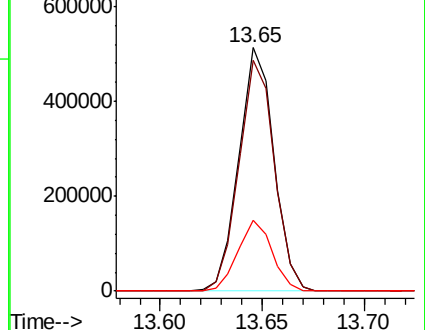
145 28.4 22.6 33.8

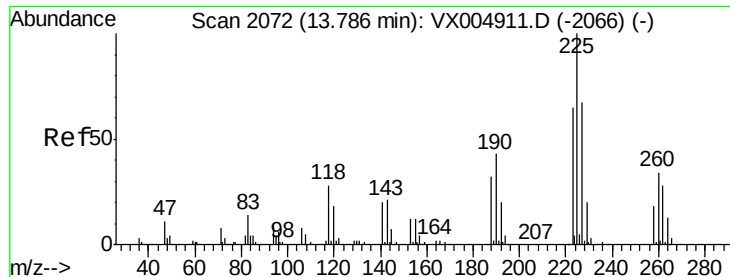


Abundance Ion 180.00 (179.70 to 180.70): VX004911.D (-2043) (-)

Ion 182.00 (181.70 to 182.70): VX004911.D (-2043) (-)

Ion 145.00 (144.70 to 145.70): VX004911.D (-2043) (-)

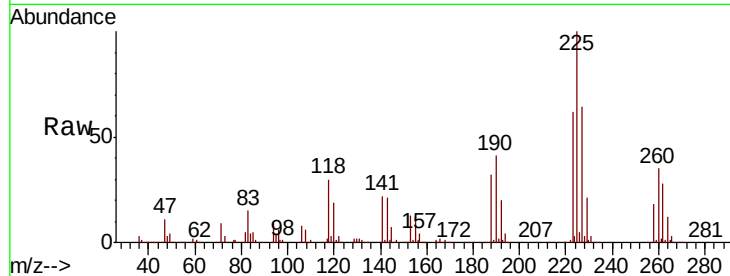




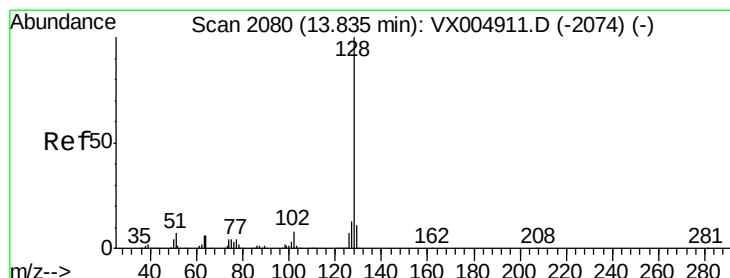
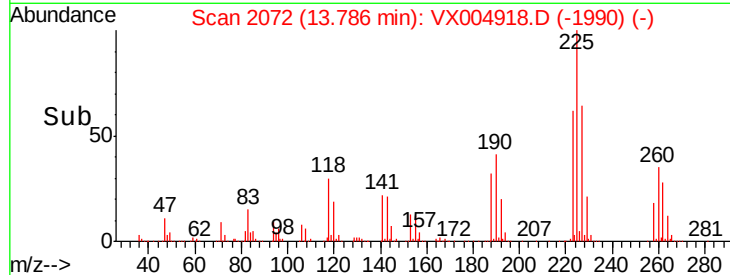
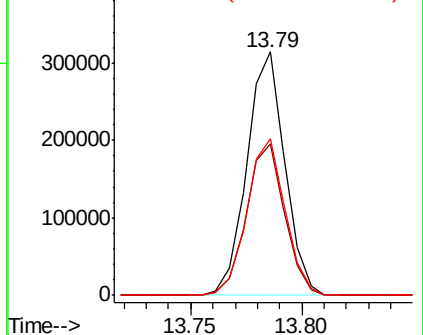
#90
Hexachlorobutadiene
Concen: 131.749 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VX004918.D
Acq: 02 Oct 2018 14:23

Instrument :
MSVOA_X
ClientSampled :
PT-VOA-WP

Tot Ion:225 Resp: 373653
Ion Ratio Lower Upper
225 100
223 62.6 0.0 126.6
227 64.5 0.0 129.6

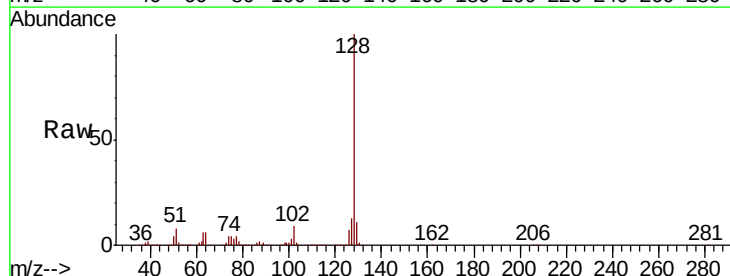


Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V

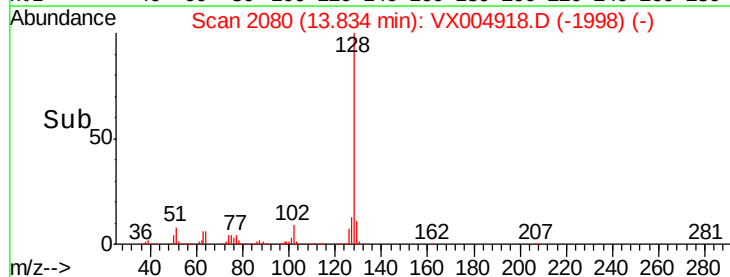
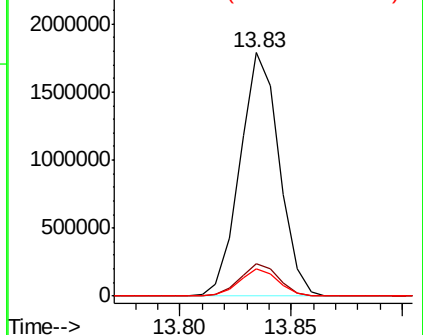


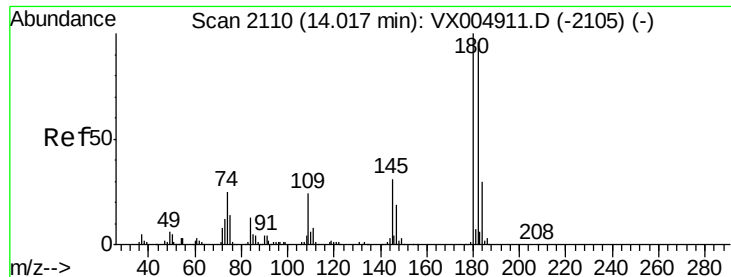
#91
Naphthalene
Concen: 123.057 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004918.D
Acq: 02 Oct 2018 14:23

Tgt Ion:128 Resp: 2198130
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

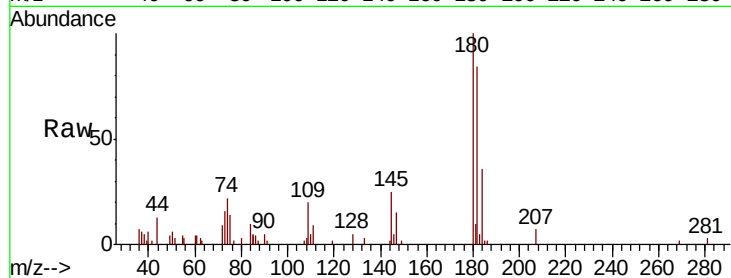




#92
 1,2,3-Trichlorobenzene
 Concen: 0.552 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. 0.01 min
 Lab File: VX004918.D
 Acq: 02 Oct 2018 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WP

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.0	0.0	192.2
145	31.8	0.0	60.4



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

