

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040319\
 Data File : VX008611.D
 Acq On : 03 Apr 2019 11:52
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Apr 04 04:53:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	198894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	332896	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	292408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	128030	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	147384	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
35) Dibromofluoromethane	5.50	113	105633	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
50) Toluene-d8	8.71	98	425510	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	11.13	95	148636	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	608	0.266	ug/l	85
3) Chloromethane	1.32	50	1464	Below Cal		94
4) Vinyl Chloride	1.41	62	778	0.251	ug/l #	62
5) Bromomethane	1.64	94	2075	3.195	ug/l	89
6) Chloroethane	1.73	64	396	Below Cal	#	78
9) 1,1,2-Trichlorotrifluoroet	2.38	101	610	0.277	ug/l #	89
10) Methyl Iodide	2.51	142	1288	4.594	ug/l #	90
11) Tert butyl alcohol	3.06	59	797	1.174	ug/l #	78
12) 1,1-Dichloroethene	2.37	96	762	0.331	ug/l	91
13) Acrolein	2.29	56	816	2.423	ug/l	87
14) Allyl chloride	2.72	41	1174	0.223	ug/l #	80
15) Acrylonitrile	3.15	53	2986	1.660	ug/l	95
16) Acetone	2.44	43	1382	0.827	ug/l	93
17) Carbon Disulfide	2.57	76	9246	0.662	ug/l	99
18) Methyl Acetate	2.78	43	1348	0.333	ug/l	97
20) Methylene Chloride	2.85	84	997	0.356	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	1346	0.541	ug/l #	79
23) Vinyl Acetate	3.82	43	5251	0.595	ug/l	97
25) 2-Butanone	4.70	43	2310	0.875	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	861	0.301	ug/l	69
28) Bromochloromethane	5.03	49	786	Below Cal	#	79
29) Tetrahydrofuran	5.15	42	2493	1.422	ug/l #	79
36) 1,1-Dichloropropene	5.80	75	1397	0.384	ug/l #	73
38) Carbon Tetrachloride	5.66	117	19156	6.360	ug/l #	17
42) 1,2-Dichloroethane	6.20	62	1171	0.301	ug/l	90
44) Trichloroethene	7.22	130	896	0.355	ug/l	83
46) Dibromomethane	7.66	93	646	0.360	ug/l #	79
48) Methyl methacrylate	7.77	41	806	0.209	ug/l #	79
49) 1,4-Dioxane	7.76	88	445	6.172	ug/l #	82
51) 4-Methyl-2-Pentanone	8.64	43	2362	0.482	ug/l	96
53) t-1,3-Dichloropropene	9.05	75	996	0.263	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1280	0.540	ug/l	96
59) 2-Hexanone	9.49	43	2354	0.618	ug/l	82
61) 1,2-Dibromoethane	9.68	107	598	0.224	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

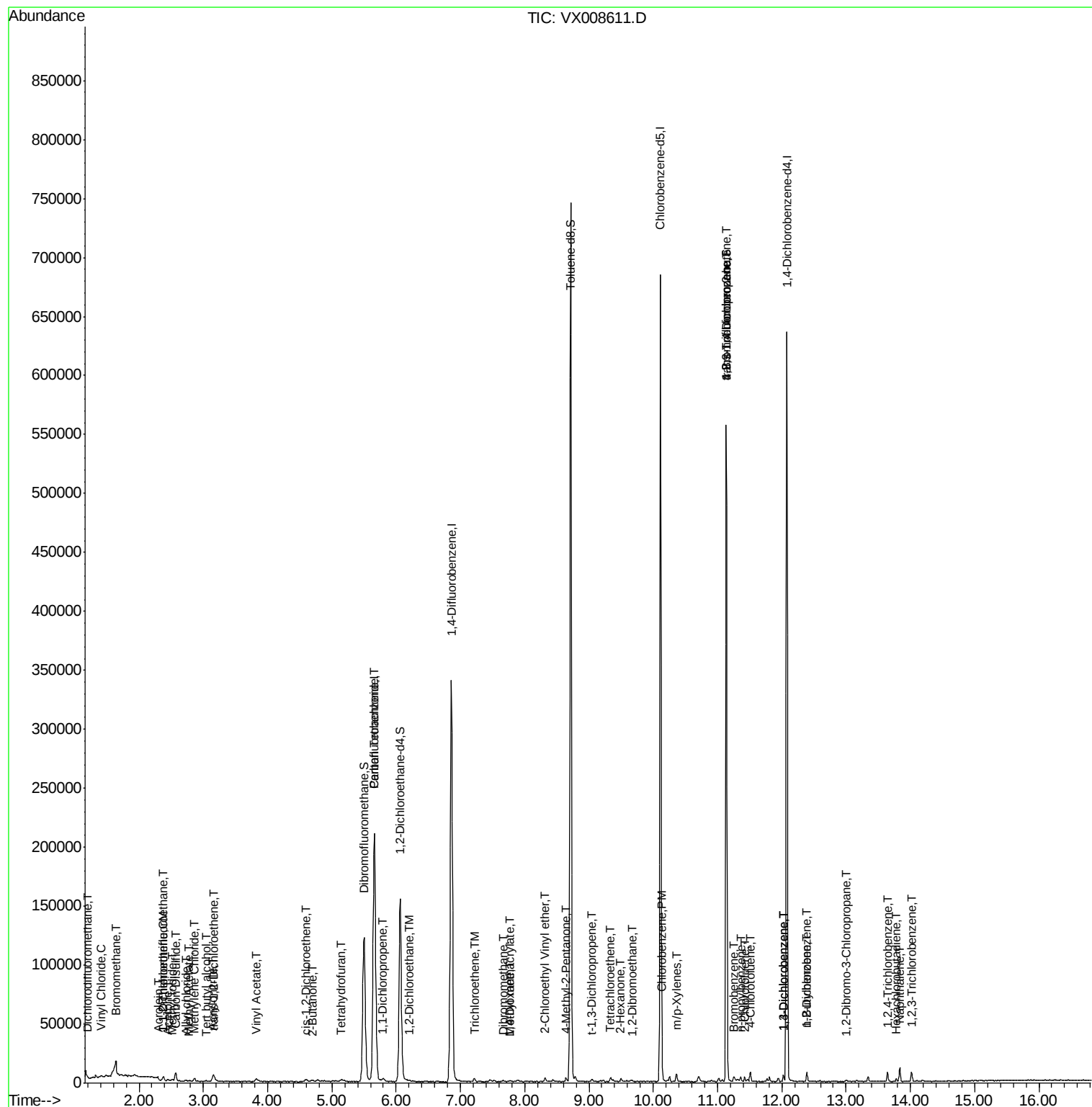
64) Tetrachloroethene	9.34	164	724	0.334	ug/l #	77
65) Chlorobenzene	10.14	112	1558	0.240	ug/l	97
68) m/p-Xylenes	10.36	106	1564	0.360	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	75804	21.553	ug/l #	33
77) Bromobenzene	11.26	156	698	0.274	ug/l	91
78) n-propylbenzene	11.36	91	2692	0.218	ug/l	99
79) 2-Chlorotoluene	11.42	91	1525	0.204	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.13	75	75804	59.412	ug/l #	9
82) 4-Chlorotoluene	11.51	91	2550	0.295	ug/l	93
87) 1,3-Dichlorobenzene	12.02	146	1625	0.356	ug/l	90
88) 1,4-Dichlorobenzene	12.02	146	1625	0.351	ug/l	90
89) n-Butylbenzene	12.38	91	1884	0.220	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	1206	0.266	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	300	0.338	ug/l	77
93) 1,2,4-Trichlorobenzene	13.65	180	1779	0.564	ug/l	94
94) Hexachlorobutadiene	13.78	225	397	0.263	ug/l	96
95) Naphthalene	13.83	128	6919	0.657	ug/l	97
96) 1,2,3-Trichlorobenzene	14.02	180	1967	0.625	ug/l	94

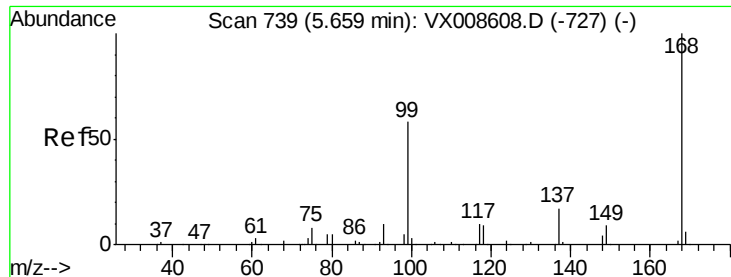
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampled :

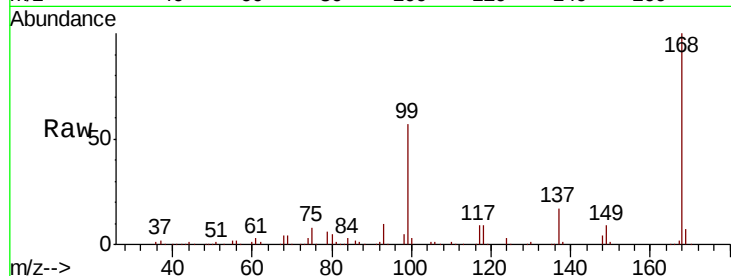
IBLK

Tot Ion:168 Resp: 198894

Ion Ratio Lower Upper

168 100

99 57.3 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

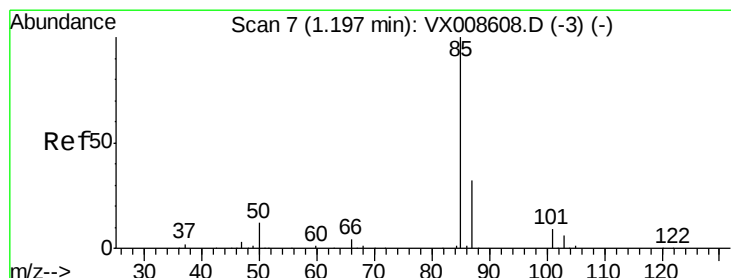
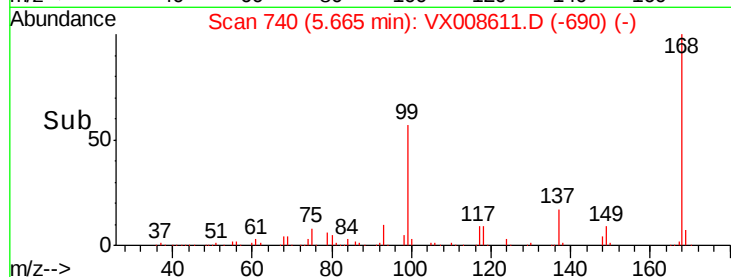
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 0.266 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008611.D

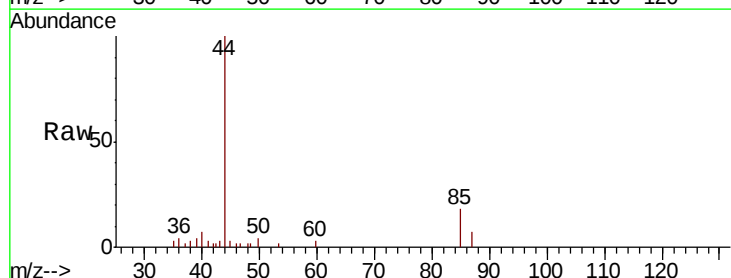
Acq: 03 Apr 2019 11:52

Tgt Ion: 85 Resp: 608

Ion Ratio Lower Upper

85 100

87 39.9 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

600

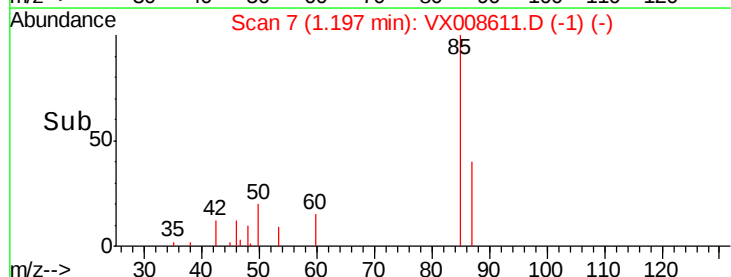
400

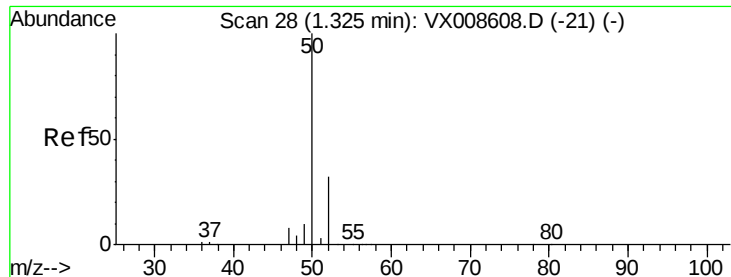
200

0

Time-->

1.16 1.18 1.20 1.22 1.24





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

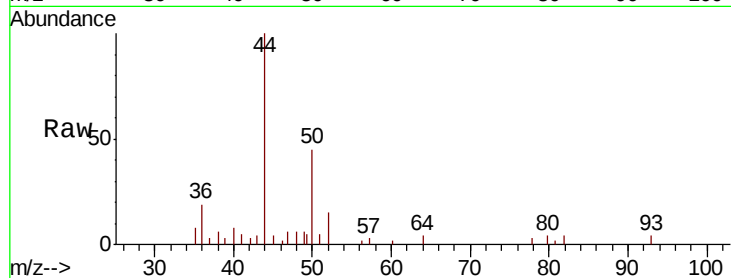
IBLK

Tot Ion: 50 Resp: 1464

Ion Ratio Lower Upper

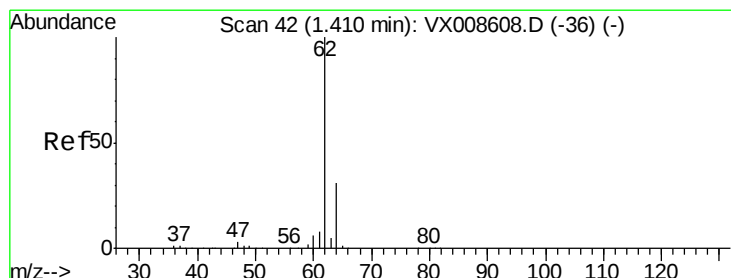
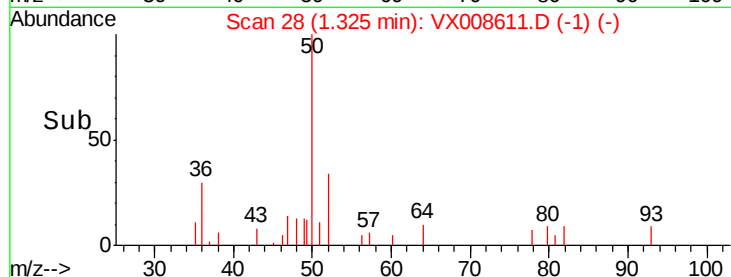
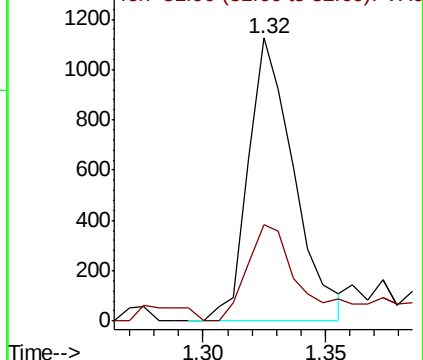
50 100

52 29.2 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.251 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008611.D

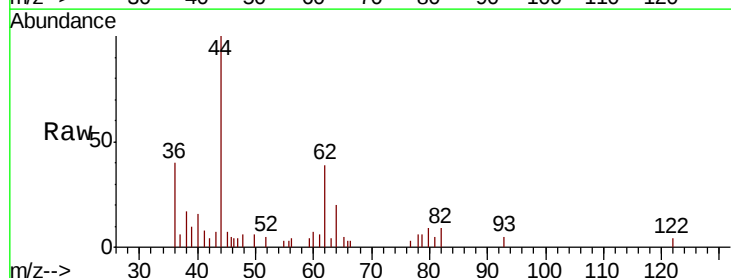
Acq: 03 Apr 2019 11:52

Tgt Ion: 62 Resp: 778

Ion Ratio Lower Upper

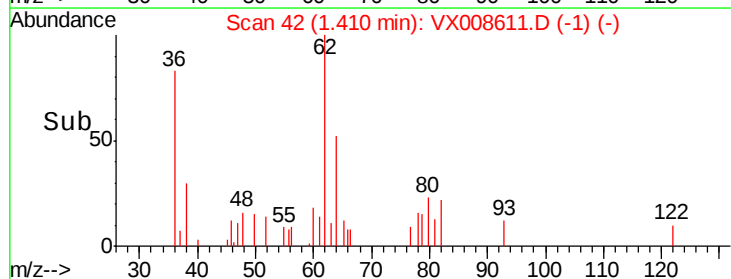
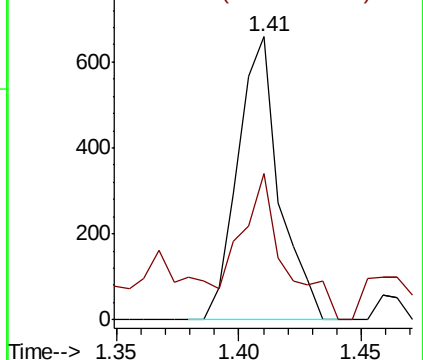
62 100

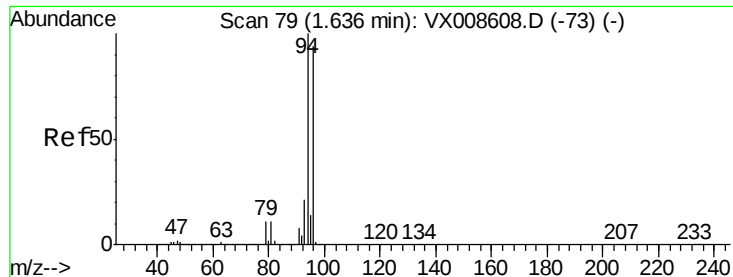
64 51.5 24.7 37.1#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 3.195 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

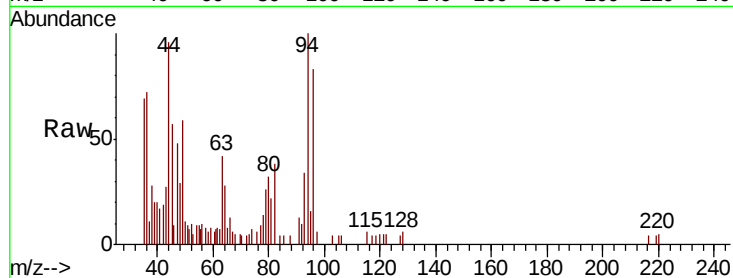
IBLK

Tot Ion: 94 Resp: 2075

Ion Ratio Lower Upper

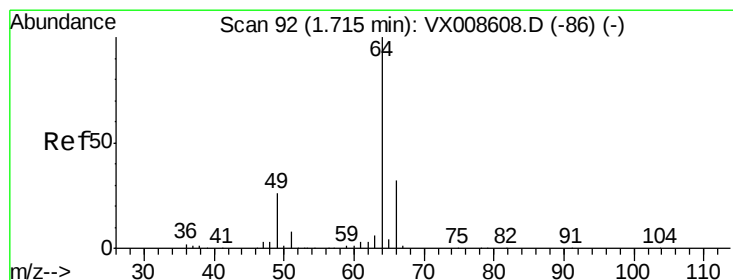
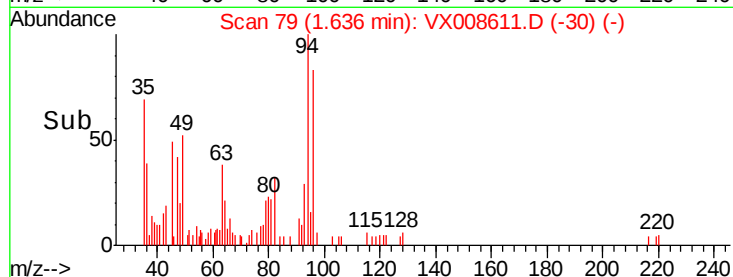
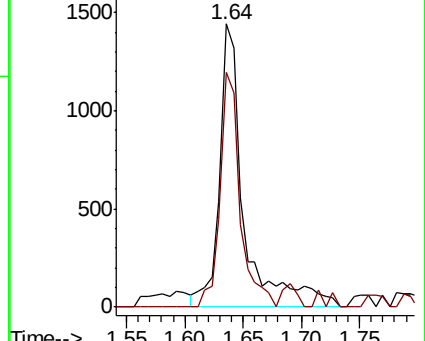
94 100

96 83.1 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008611.D

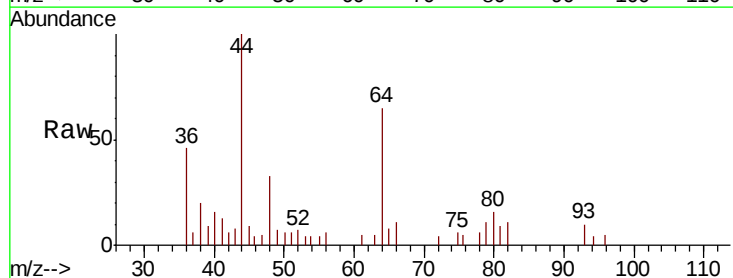
Acq: 03 Apr 2019 11:52

Tgt Ion: 64 Resp: 396

Ion Ratio Lower Upper

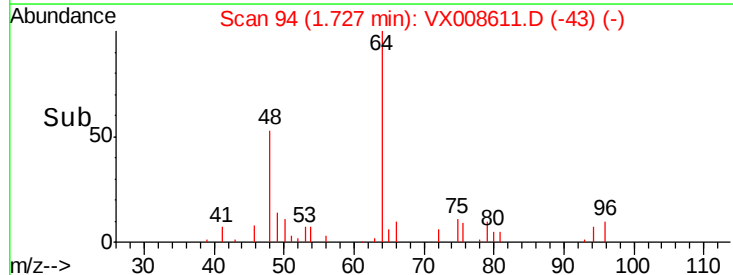
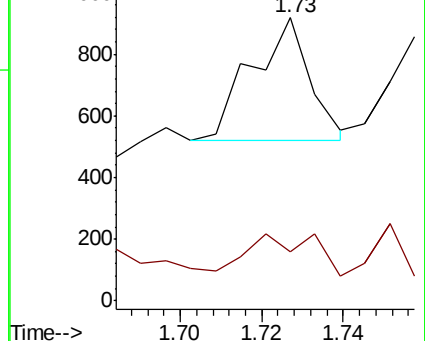
64 100

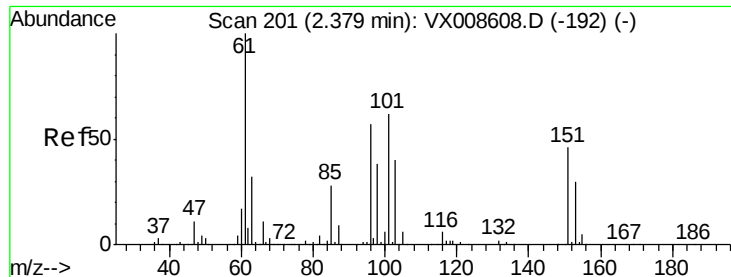
66 19.6 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.277 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampled :

IBLK

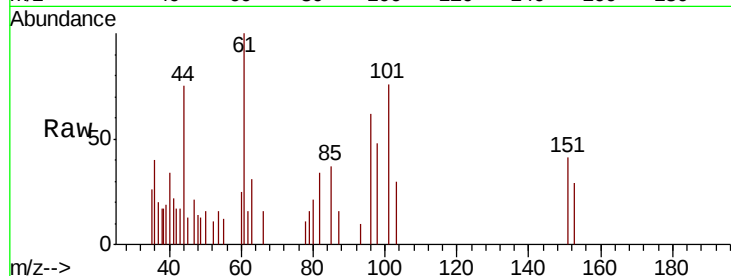
Tot Ion:101 Resp: 610

Ion Ratio Lower Upper

101 100

85 57.2 36.0 54.0#

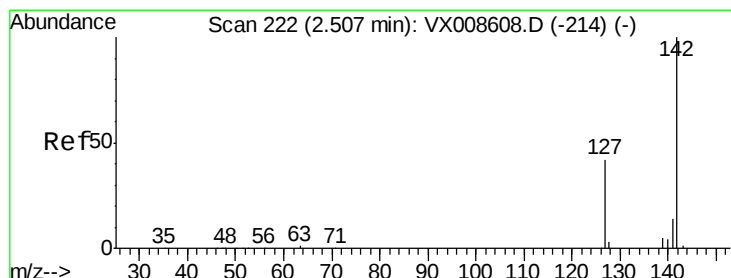
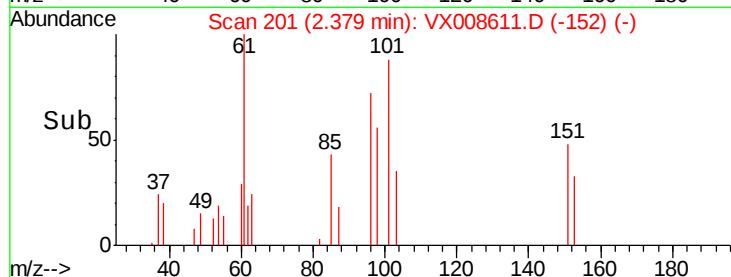
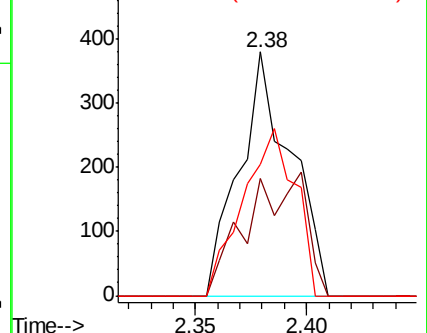
151 69.5 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.594 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

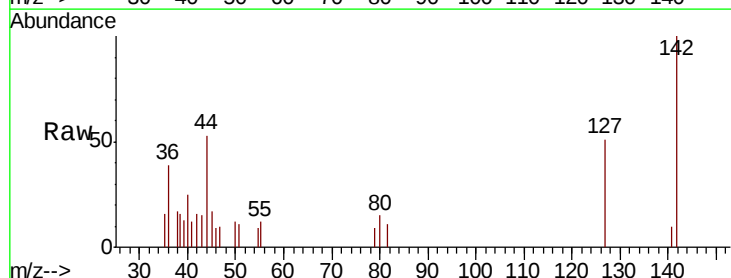
Tgt Ion:142 Resp: 1288

Ion Ratio Lower Upper

142 100

127 45.7 33.0 49.6

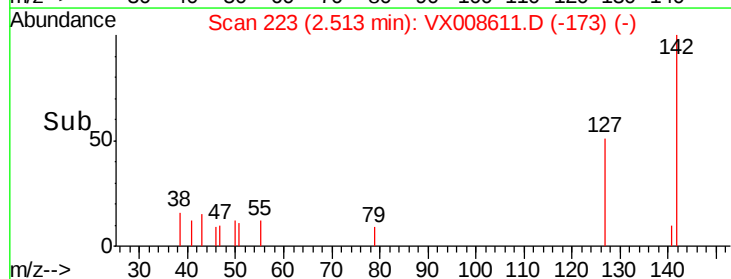
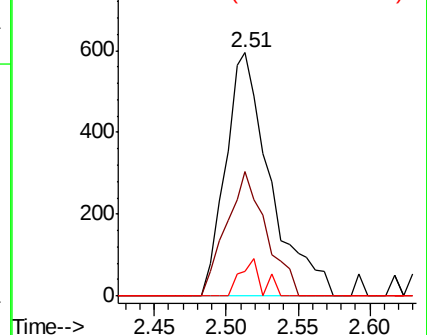
141 7.3 11.4 17.2#

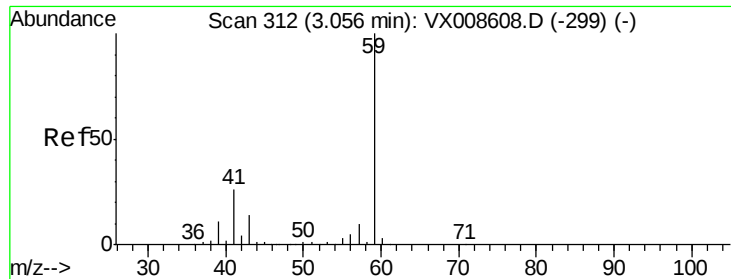


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

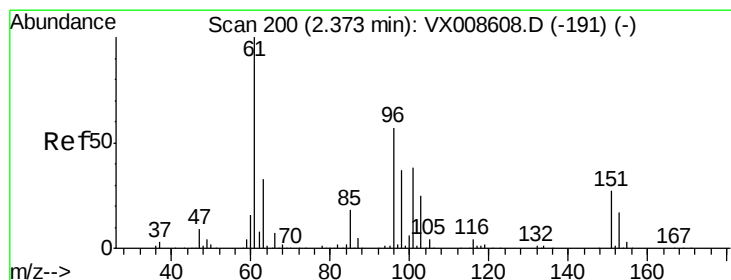
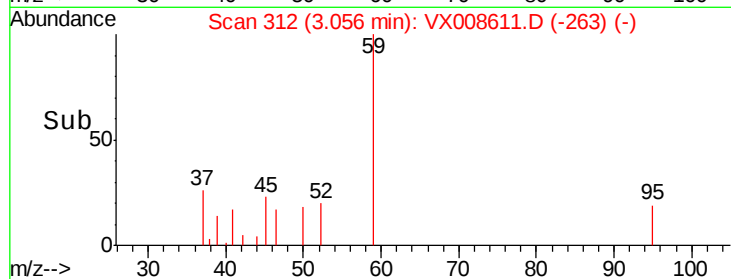
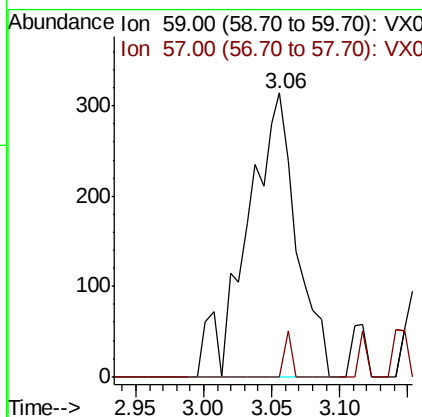
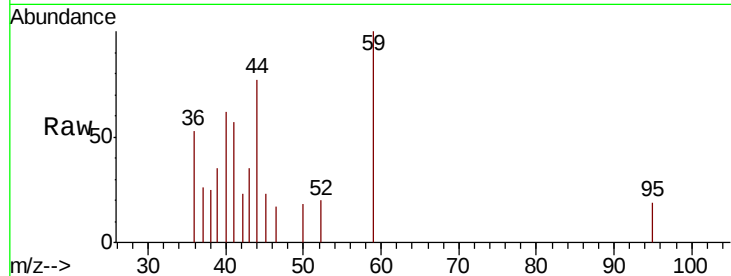




#11
Tert butyl alcohol
Concen: 1.174 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.00 min
Lab File: VX008611.D
Acq: 03 Apr 2019 11:52

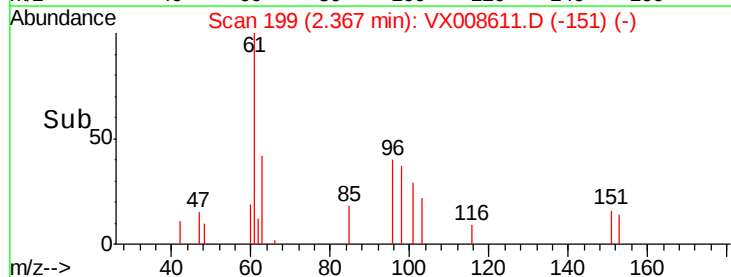
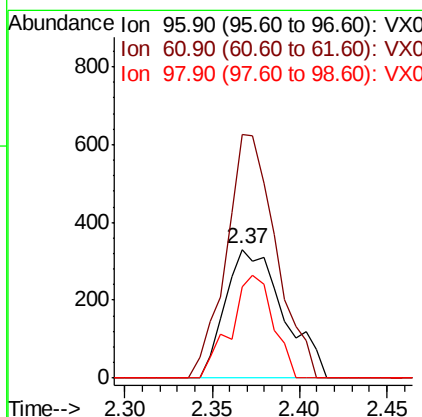
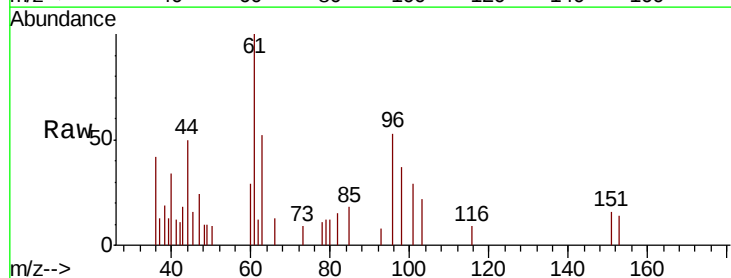
Instrument :
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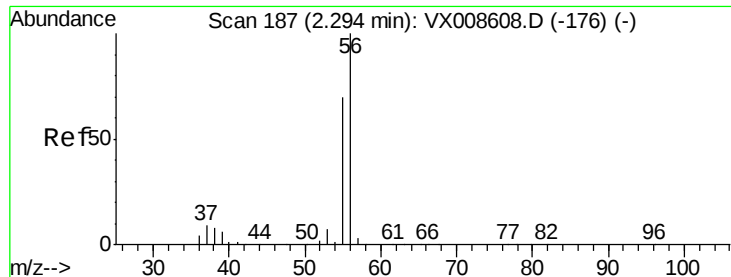
Tot Ion: 59 Resp: 797
Ion Ratio Lower Upper
59 100
57 2.3 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.331 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX008611.D
Acq: 03 Apr 2019 11:52

Tgt Ion: 96 Resp: 762
Ion Ratio Lower Upper
96 100
61 189.1 140.9 211.3
98 70.7 52.1 78.1





#13

Acrolein

Concen: 2.423 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

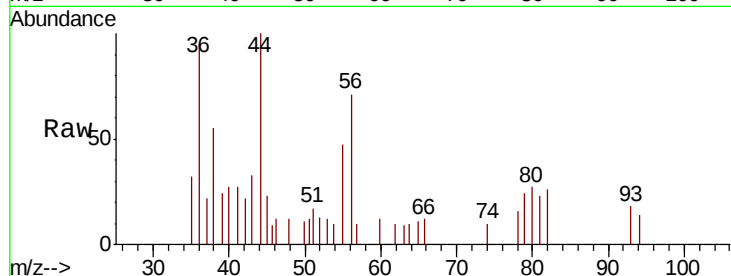
IBLK

Tot Ion: 56 Resp: 816

Ion Ratio Lower Upper

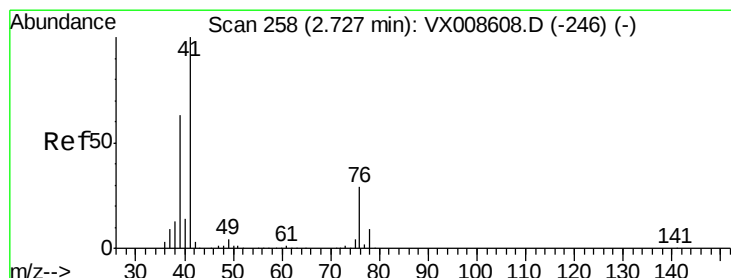
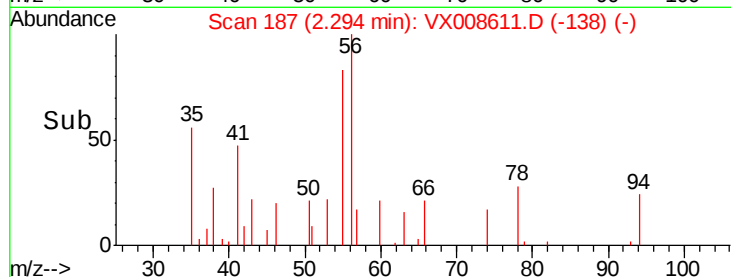
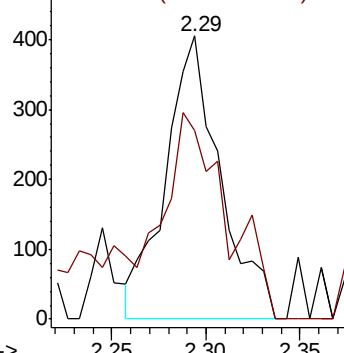
56 100

55 83.2 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 0.223 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

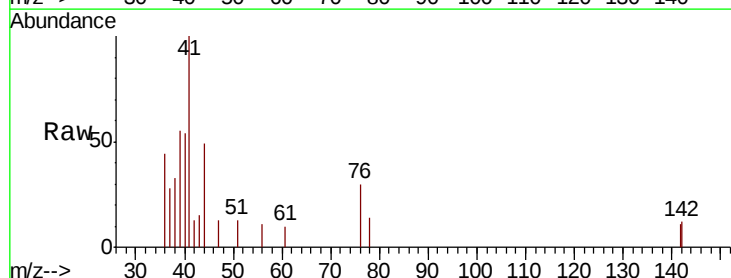
Tgt Ion: 41 Resp: 1174

Ion Ratio Lower Upper

41 100

39 40.0 48.0 72.0#

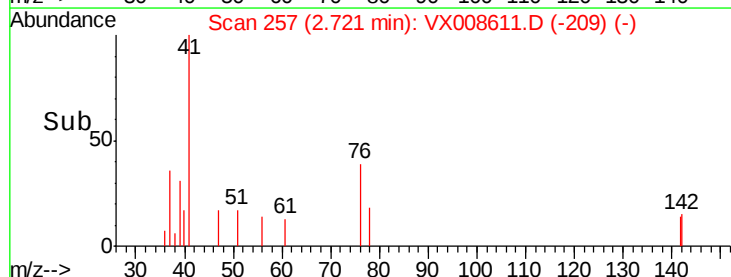
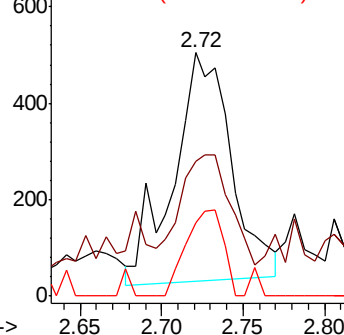
76 24.1 22.0 33.0

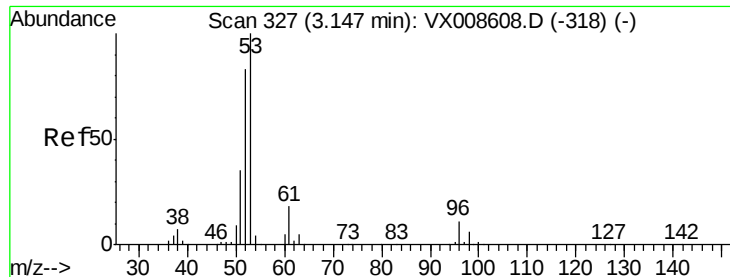


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 1.660 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampled :

IBLK

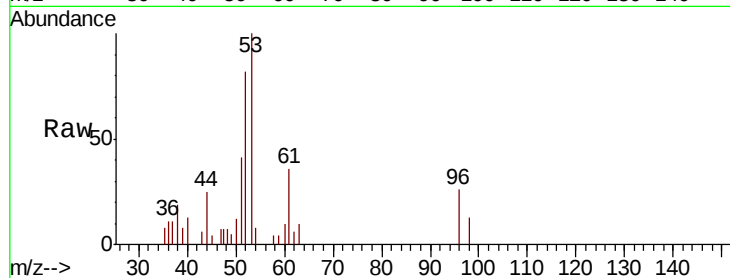
Tot Ion: 53 Resp: 2986

Ion Ratio Lower Upper

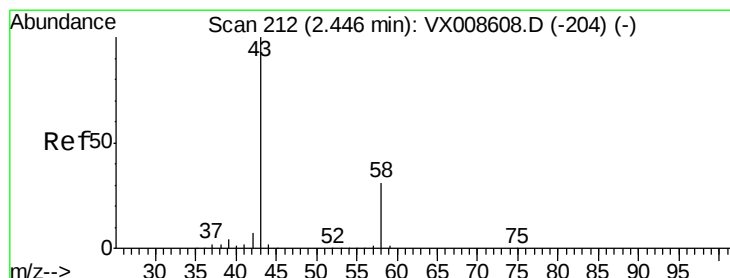
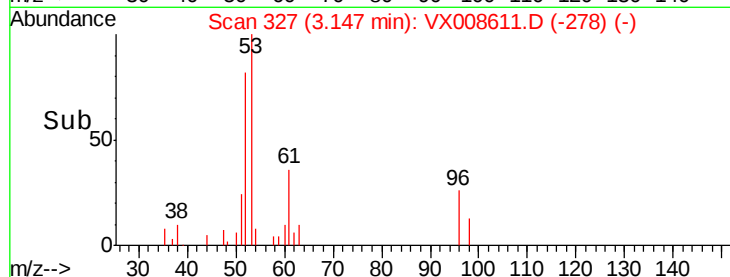
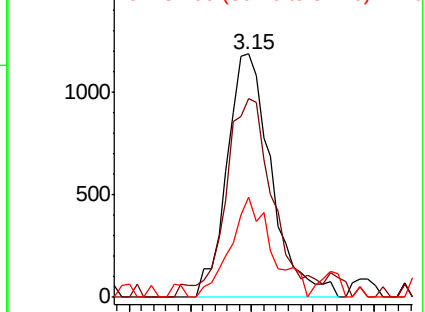
53 100

52 87.3 66.5 99.7

51 38.7 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.827 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008611.D

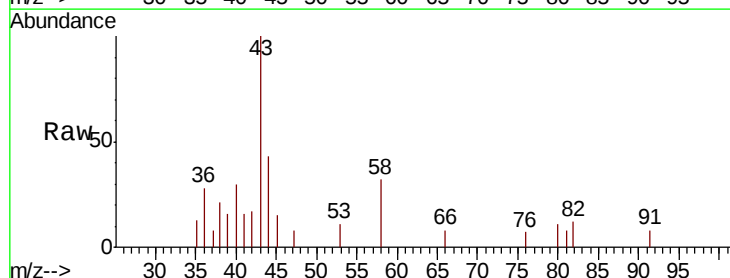
Acq: 03 Apr 2019 11:52

Tgt Ion: 43 Resp: 1382

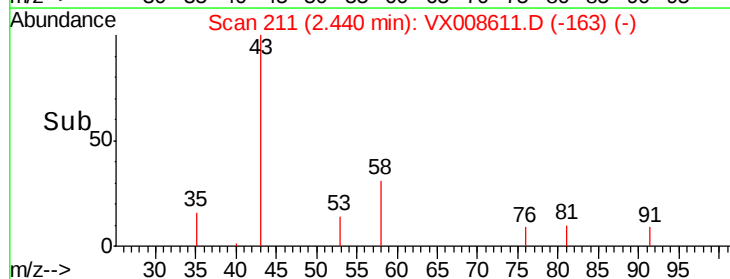
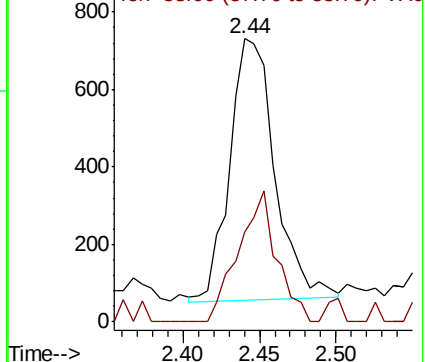
Ion Ratio Lower Upper

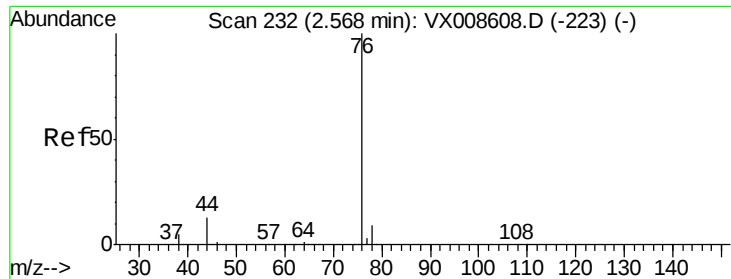
43 100

58 35.0 24.8 37.2



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

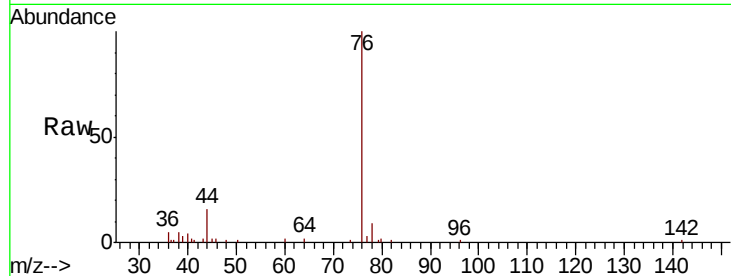




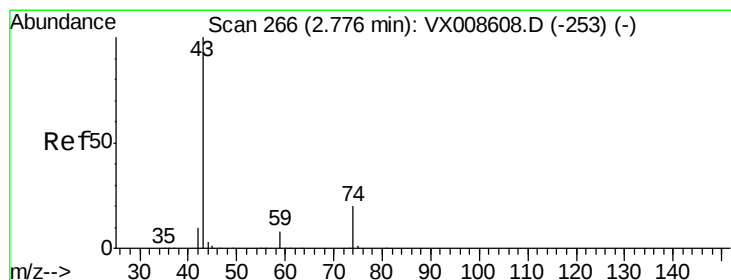
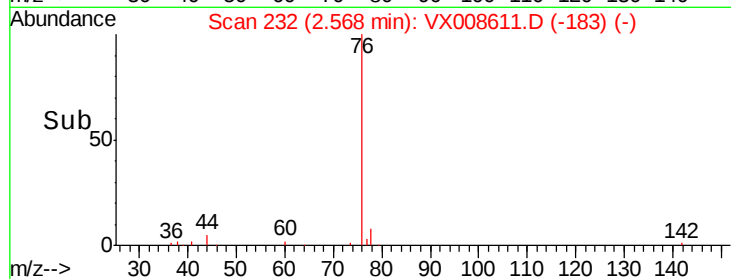
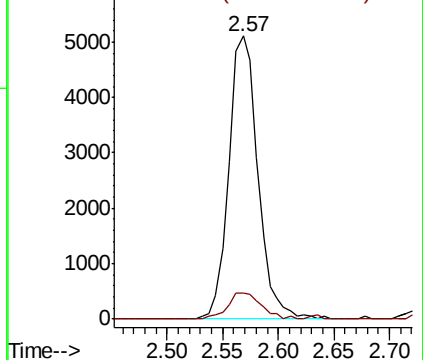
#17
Carbon Disulfide
Concen: 0.662 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008611.D
Acq: 03 Apr 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tot Ion: 76 Resp: 9246
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7

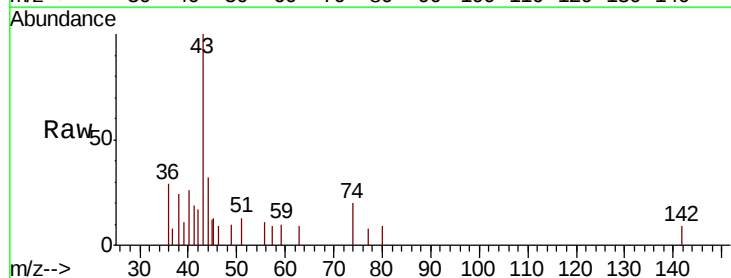


Abundance Ion 75.90 (75.60 to 76.60): VX0
Ion 77.90 (77.60 to 78.60): VX0

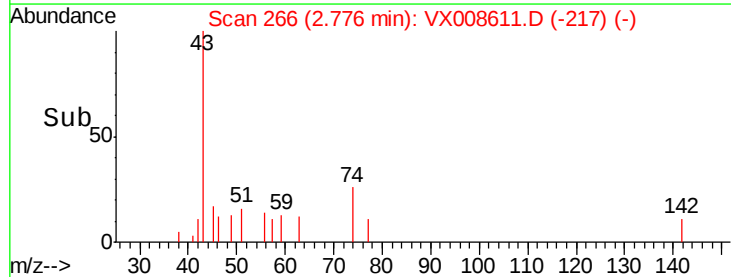
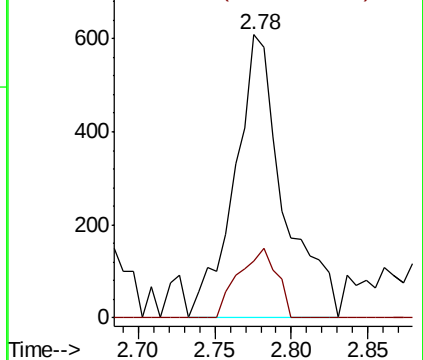


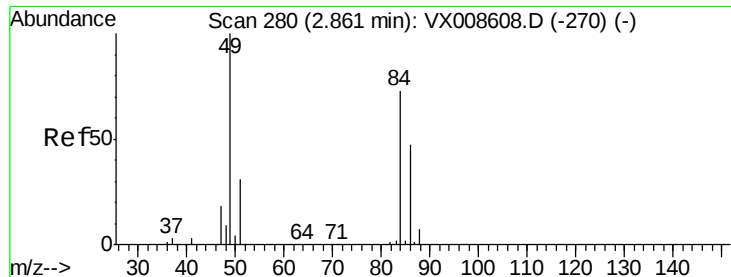
#18
Methyl Acetate
Concen: 0.333 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX008611.D
Acq: 03 Apr 2019 11:52

Tgt Ion: 43 Resp: 1348
Ion Ratio Lower Upper
43 100
74 19.3 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 0.356 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampled :

IBLK

Tot Ion: 84 Resp: 997

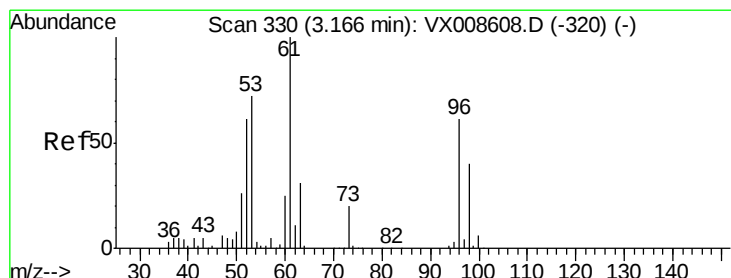
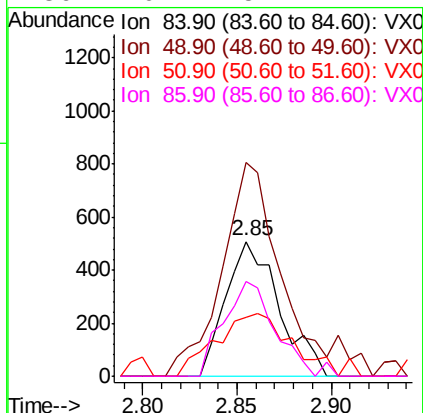
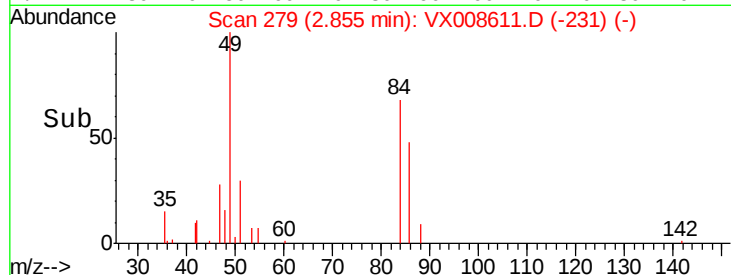
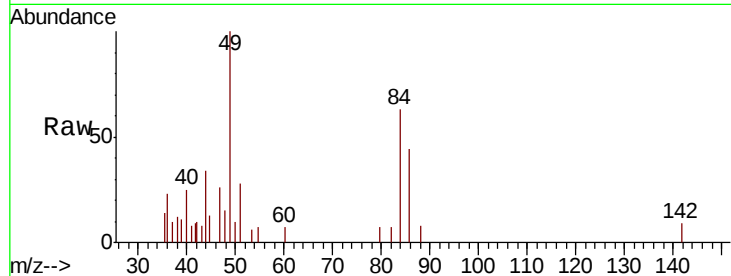
Ion Ratio Lower Upper

84 100

49 136.7 109.7 164.5

51 43.6 33.6 50.4

86 70.1 51.4 77.2



#21

trans-1,2-Dichloroethene

Concen: 0.541 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

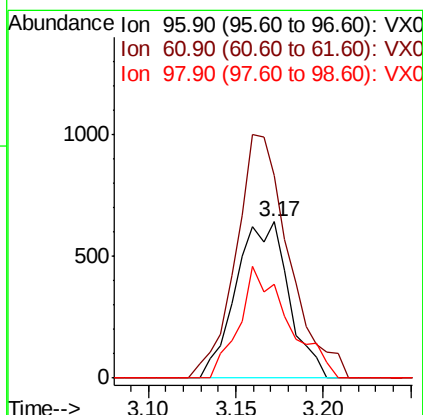
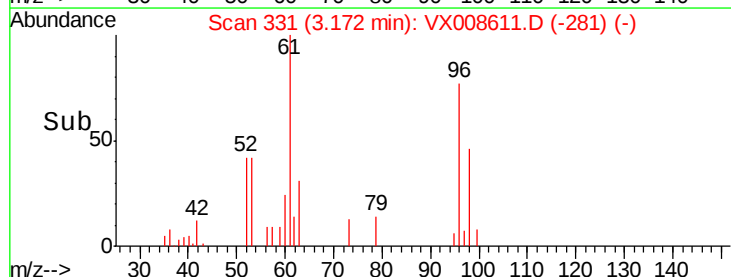
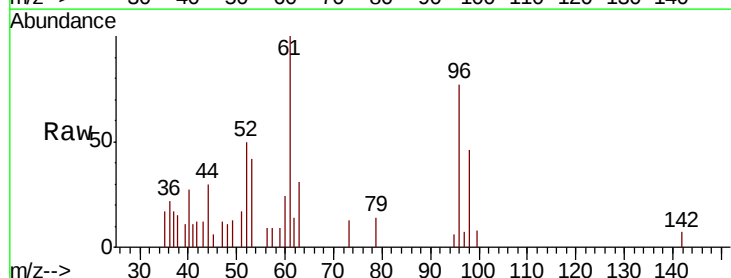
Tgt Ion: 96 Resp: 1346

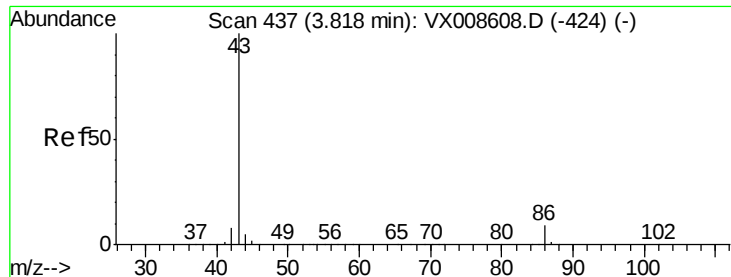
Ion Ratio Lower Upper

96 100

61 129.6 132.1 198.1#

98 59.8 52.2 78.2





#23

Vinyl Acetate

Concen: 0.595 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

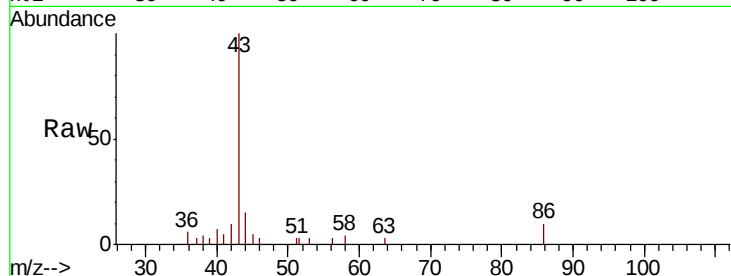
IBLK

Tot Ion: 43 Resp: 5251

Ion Ratio Lower Upper

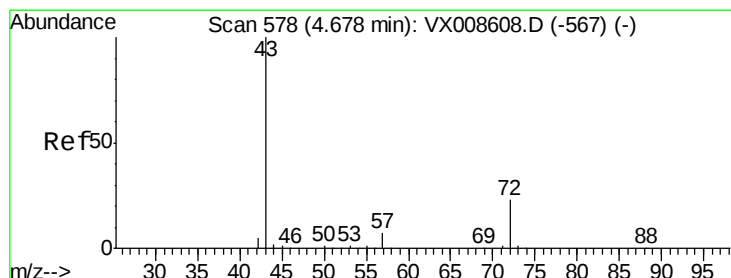
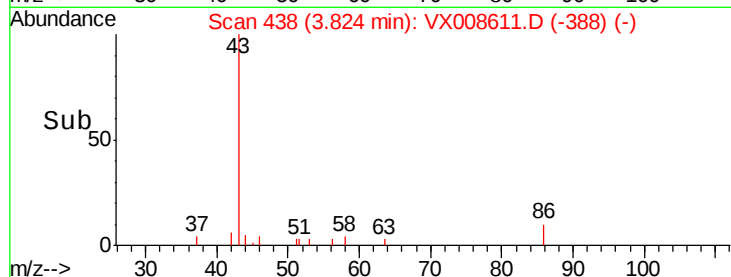
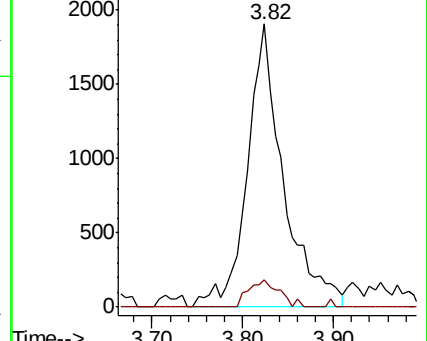
43 100

86 9.7 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#25

2-Butanone

Concen: 0.875 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX008611.D

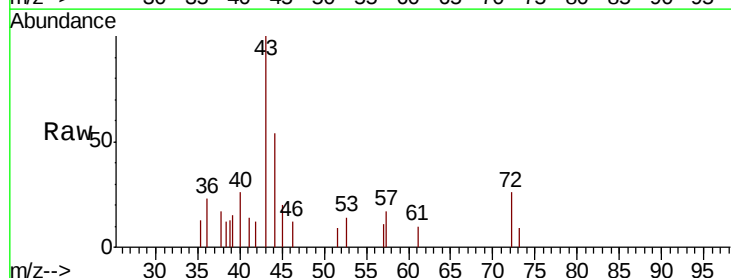
Acq: 03 Apr 2019 11:52

Tgt Ion: 43 Resp: 2310

Ion Ratio Lower Upper

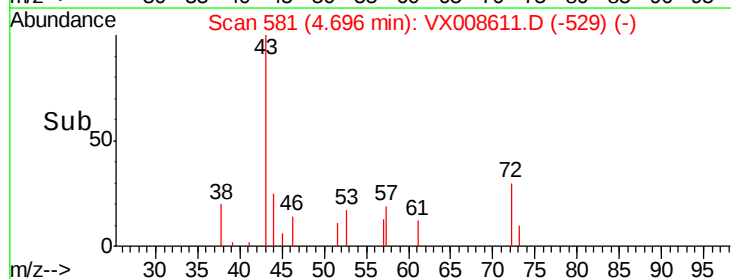
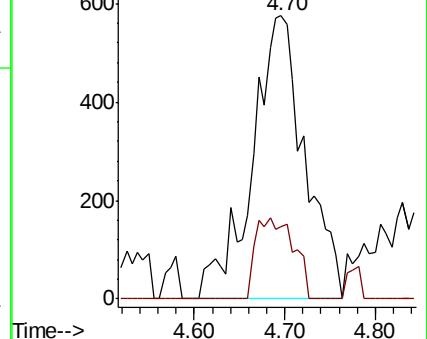
43 100

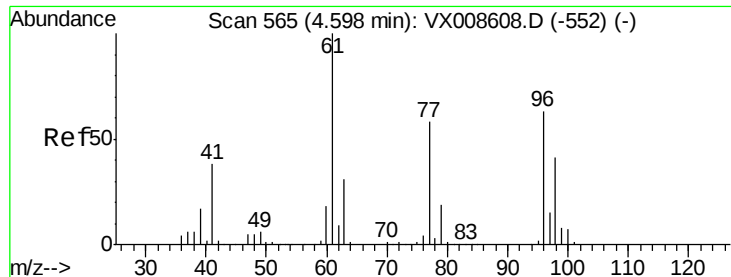
72 25.7 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



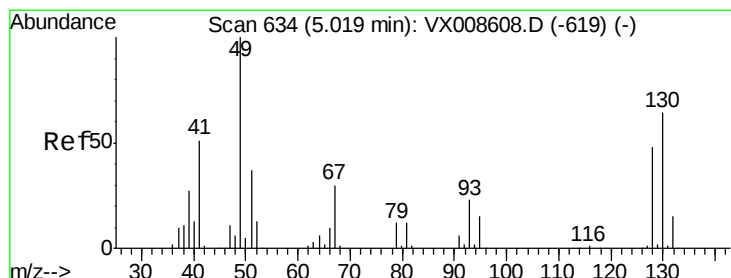
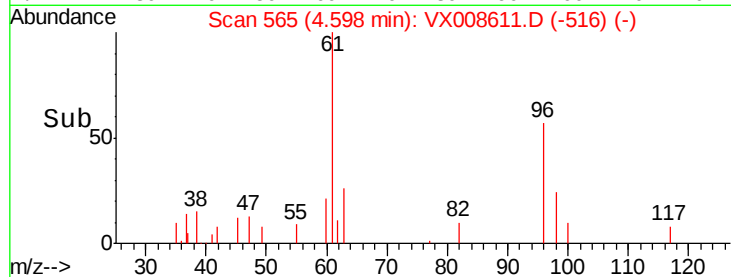
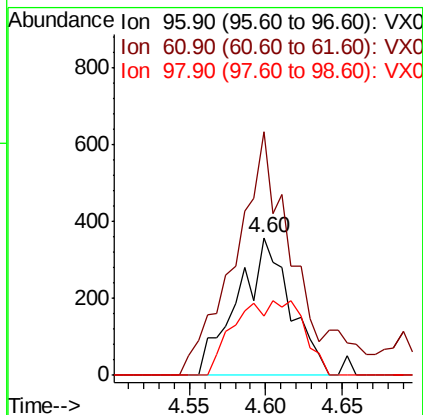
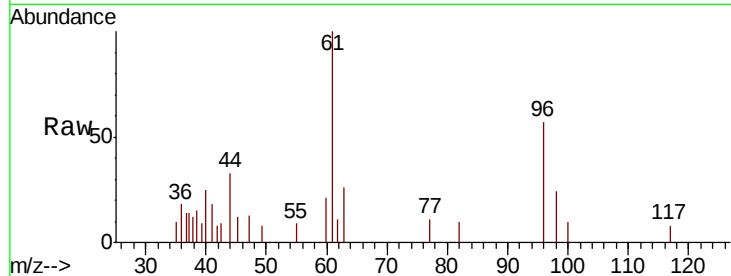


#27

cis-1,2-Dichloroethene
 Concen: 0.301 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX008611.D
 Acq: 03 Apr 2019 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

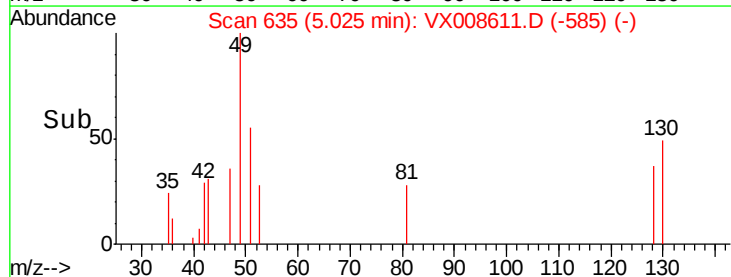
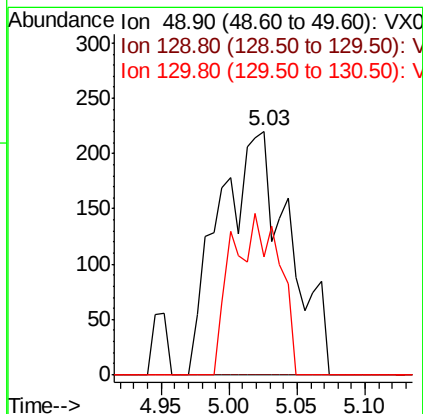
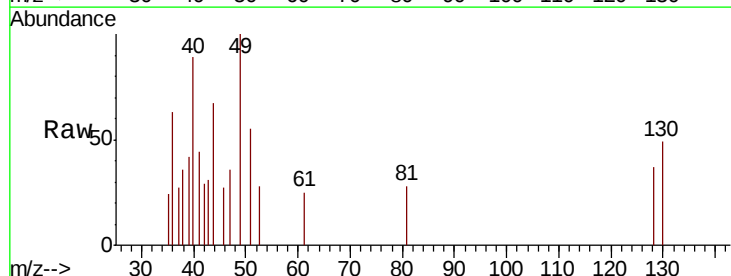
Tot Ion: 96 Resp: 861
 Ion Ratio Lower Upper
 96 100
 61 200.8 0.0 327.6
 98 34.4 0.0 128.6

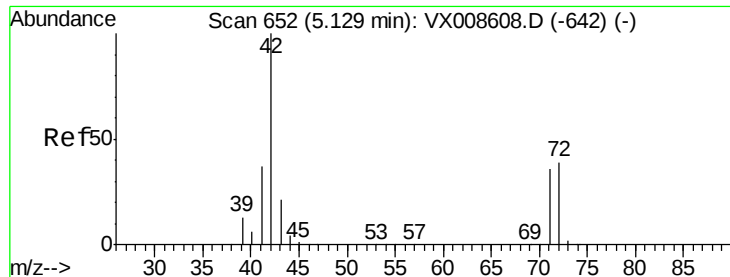


#28

Bromochloromethane
 Concen: Below Cal
 RT: 5.03 min Scan# 635
 Delta R.T. 0.01 min
 Lab File: VX008611.D
 Acq: 03 Apr 2019 11:52

Tgt Ion: 49 Resp: 786
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 45.3 49.3 73.9#





#29

Tetrahydrofuran

Concen: 1.422 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

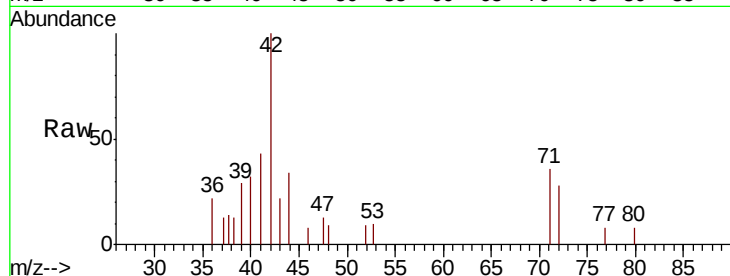
Tot Ion: 42 Resp: 2493

Ion Ratio Lower Upper

42 100

72 17.6 30.5 45.7#

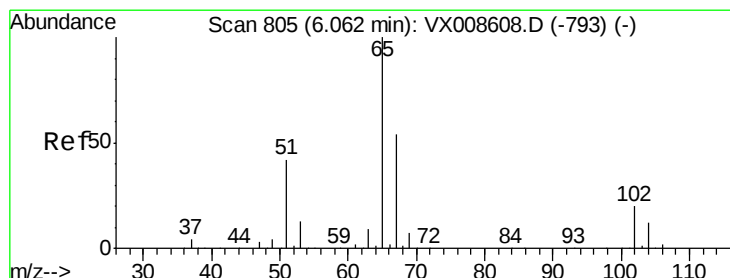
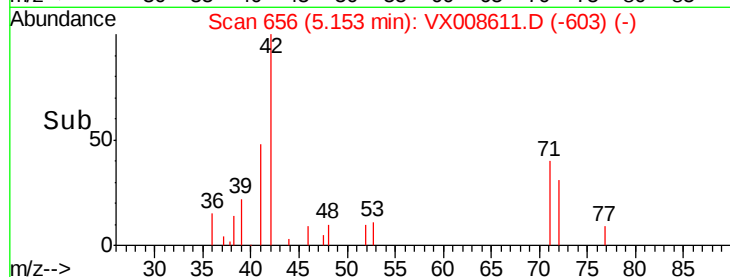
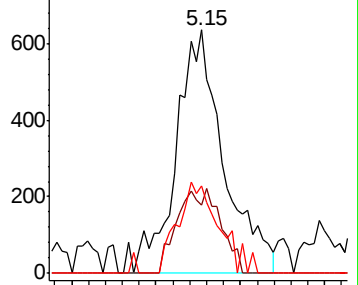
71 32.0 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.805 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008611.D

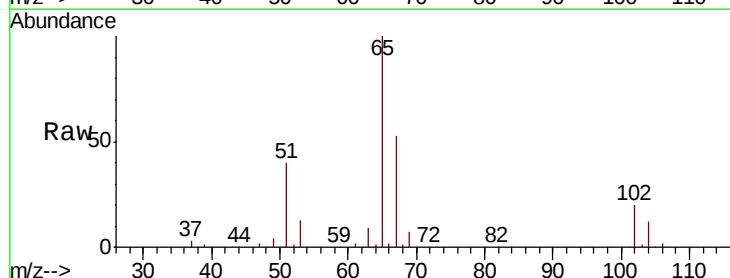
Acq: 03 Apr 2019 11:52

Tgt Ion: 65 Resp: 147384

Ion Ratio Lower Upper

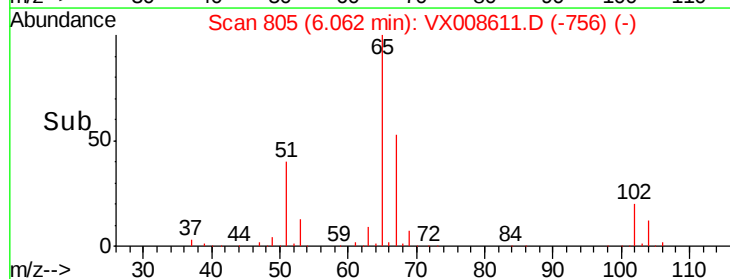
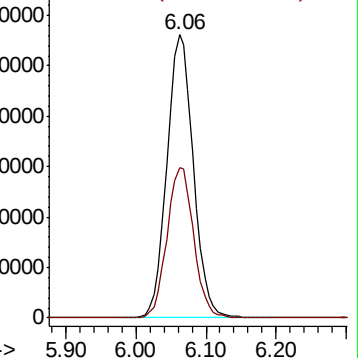
65 100

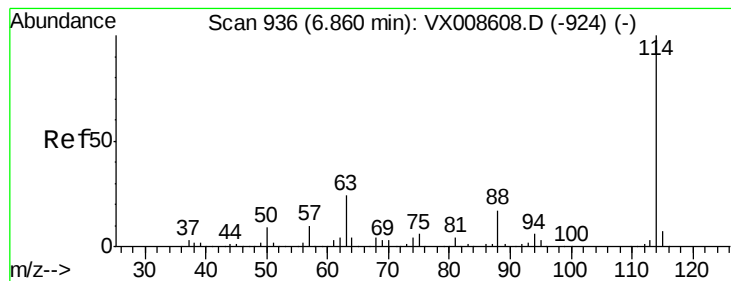
67 53.6 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

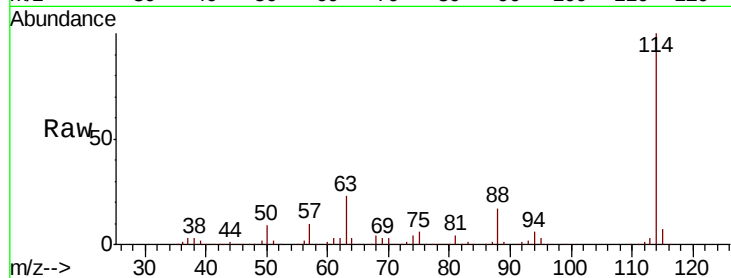
Tot Ion:114 Resp: 332896

Ion Ratio Lower Upper

114 100

63 23.4 0.0 47.2

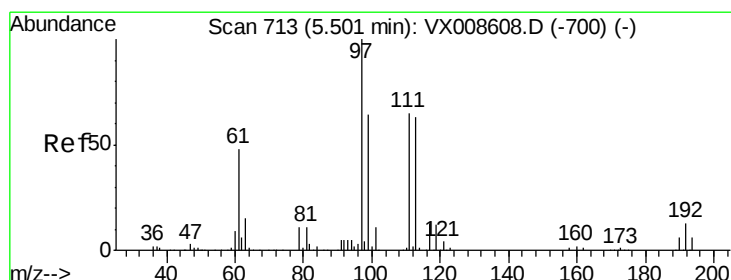
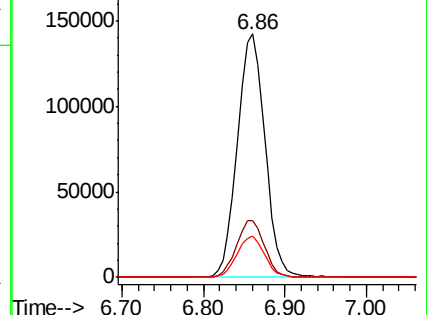
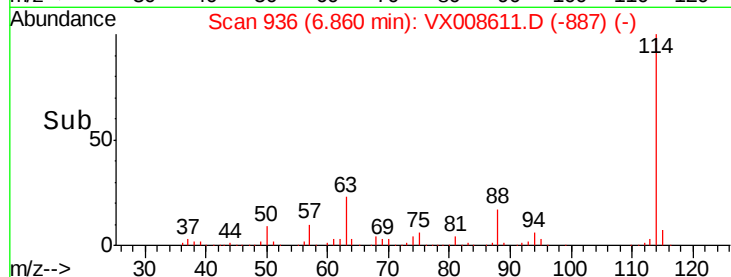
88 16.9 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.630 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

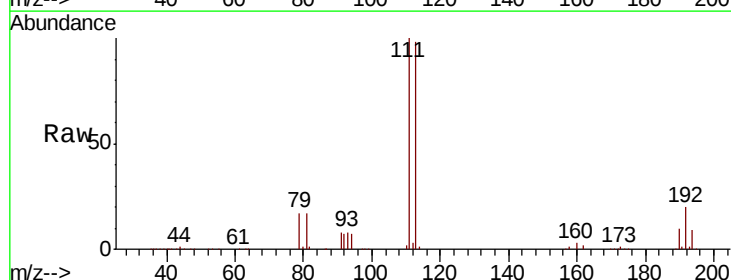
Tgt Ion:113 Resp: 105633

Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.2

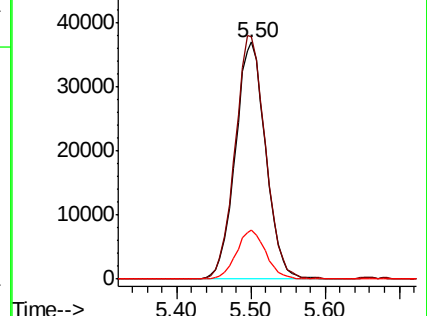
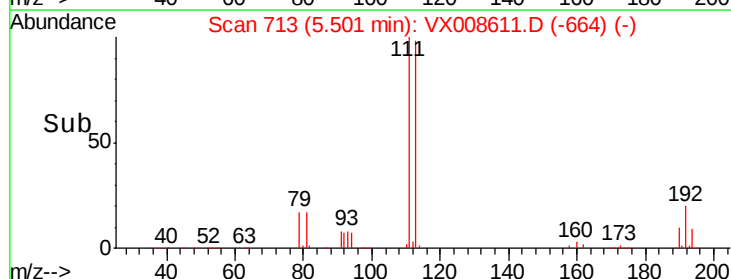
192 20.1 16.1 24.1

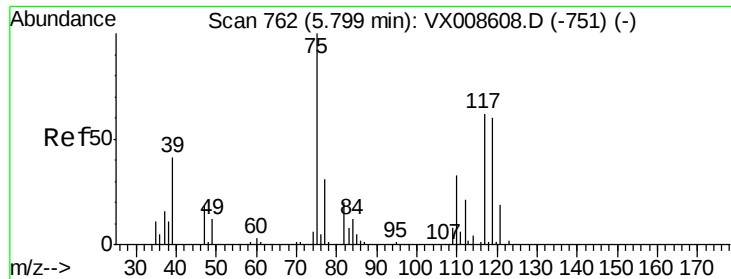


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 0.384 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

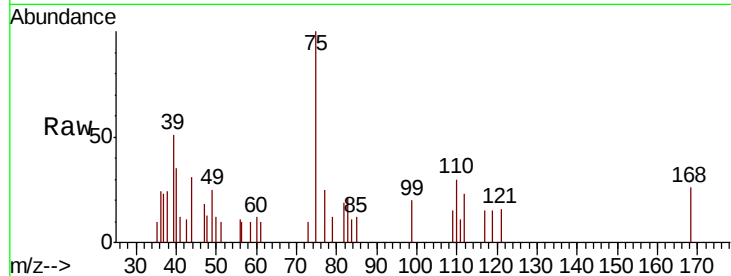
Tot Ion: 75 Resp: 1397

Ion Ratio Lower Upper

75 100

110 32.9 16.4 49.2

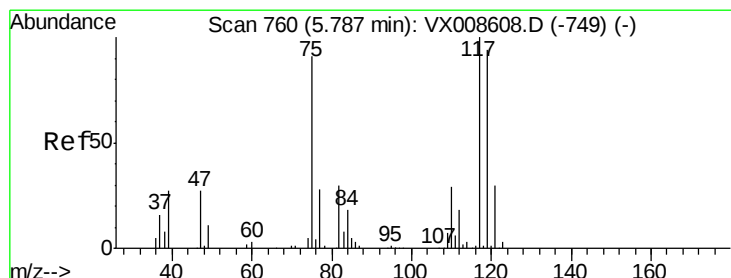
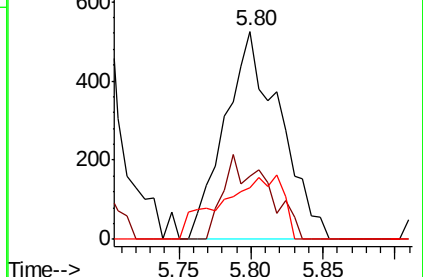
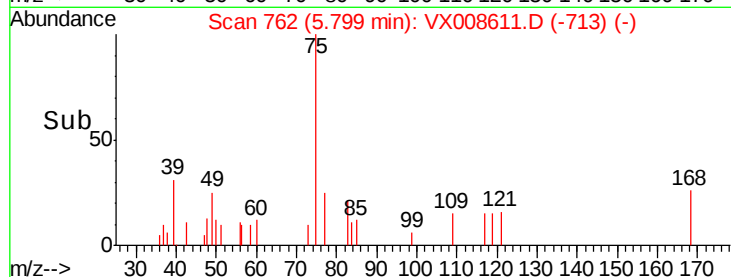
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.360 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

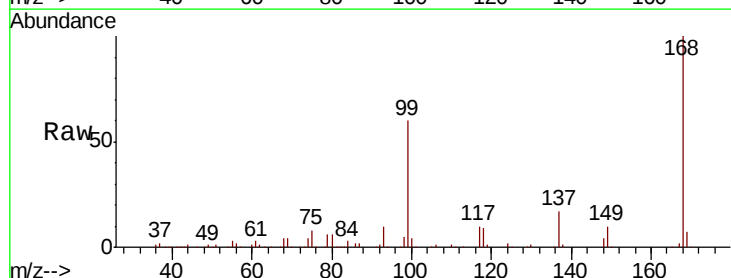
Tgt Ion: 117 Resp: 19156

Ion Ratio Lower Upper

117 100

119 5.5 75.0 112.6#

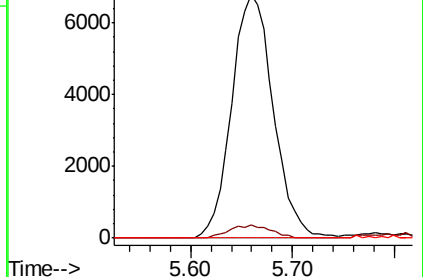
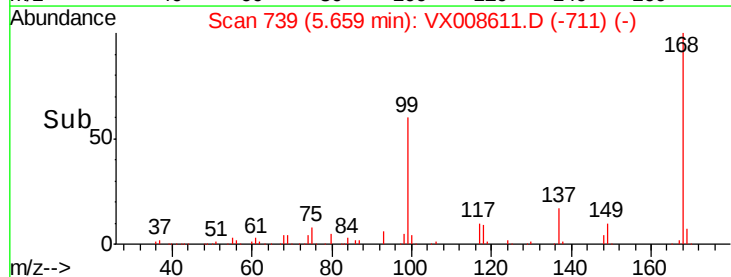
121 0.0 24.3 36.5#

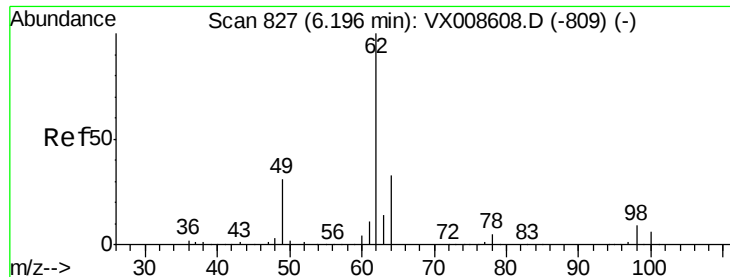


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

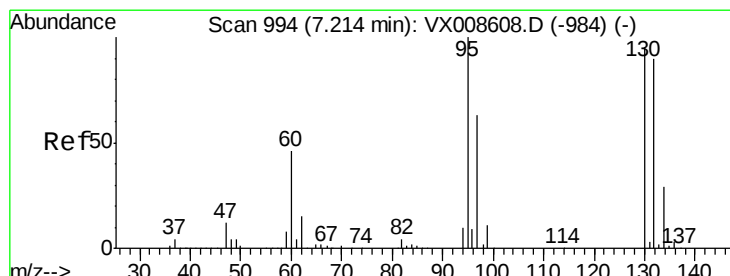
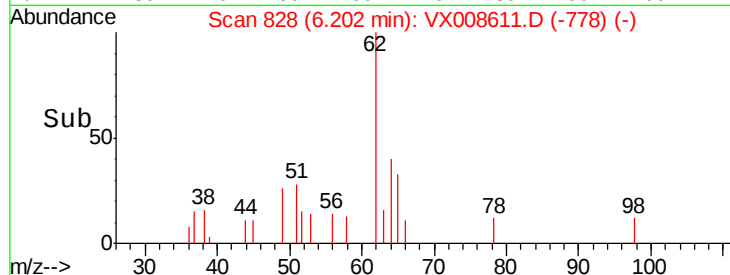
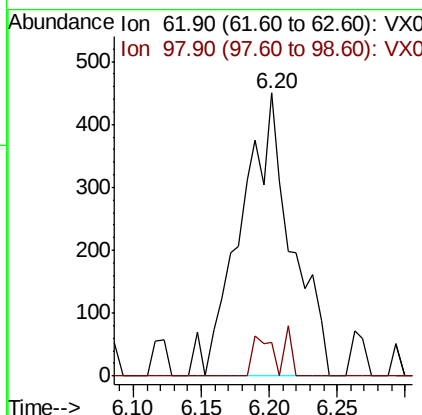
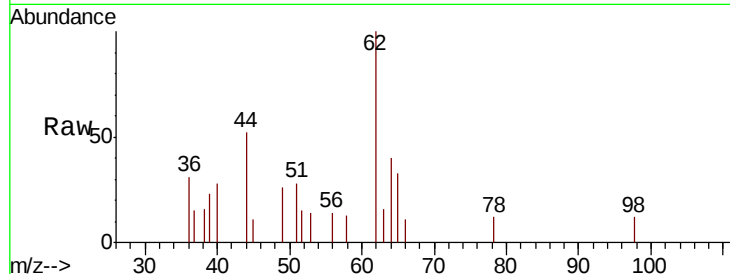




#42
 1,2-Dichloroethane
 Concen: 0.301 ug/l
 RT: 6.20 min Scan# 828
 Delta R.T. 0.01 min
 Lab File: VX008611.D
 Acq: 03 Apr 2019 11:52

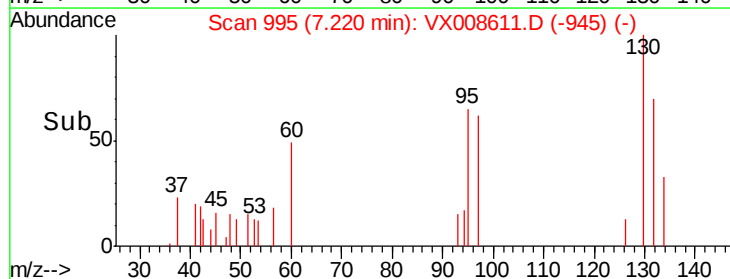
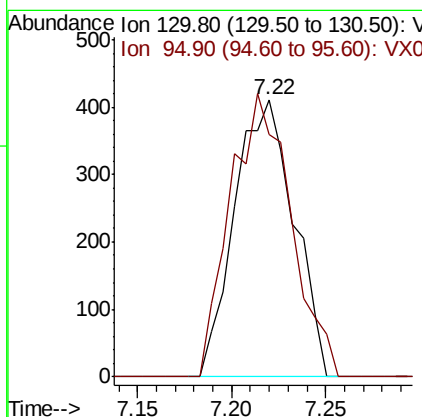
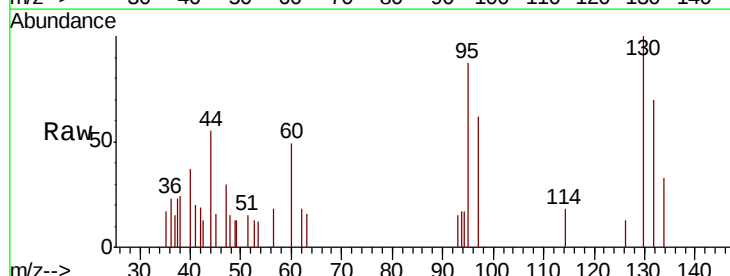
Instrument :
 MSVOA_X
 ClientSampled :
 IBLK

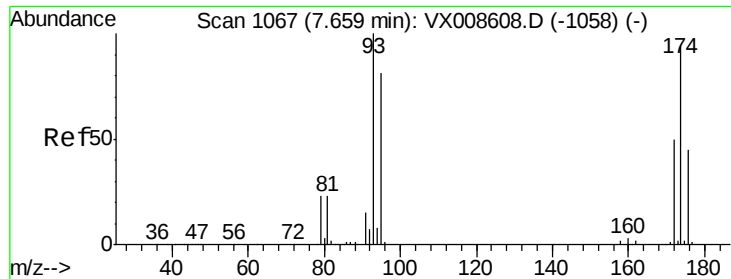
Tot Ion: 62 Resp: 1171
 Ion Ratio Lower Upper
 62 100
 98 5.3 0.0 18.0



#44
 Trichloroethene
 Concen: 0.355 ug/l
 RT: 7.22 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VX008611.D
 Acq: 03 Apr 2019 11:52

Tgt Ion: 130 Resp: 896
 Ion Ratio Lower Upper
 130 100
 95 87.3 0.0 209.8

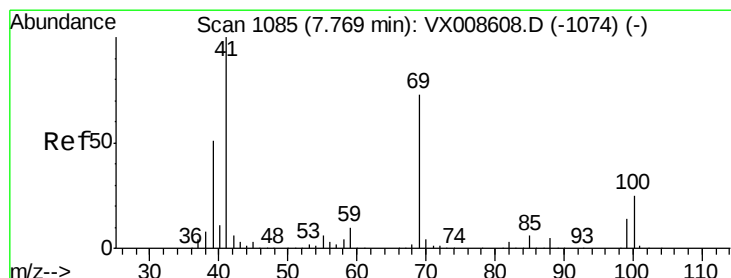
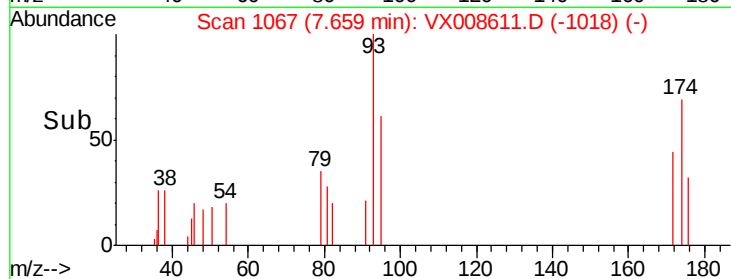
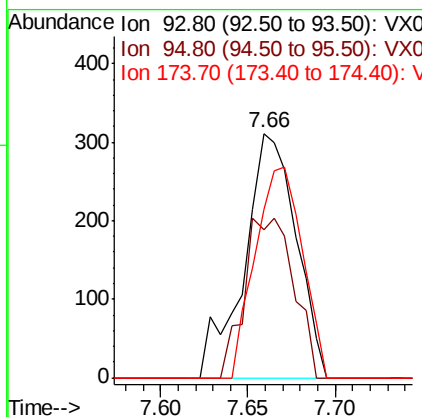
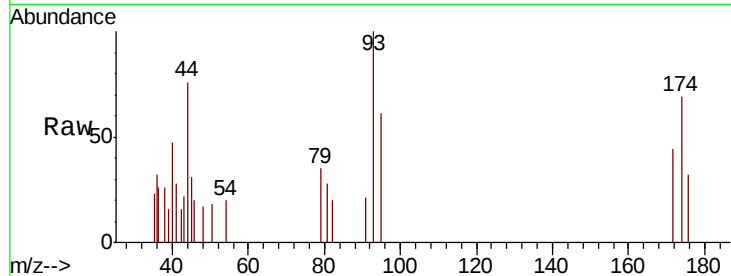




#46
Dibromomethane
Concen: 0.360 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VX008611.D
Acq: 03 Apr 2019 11:52

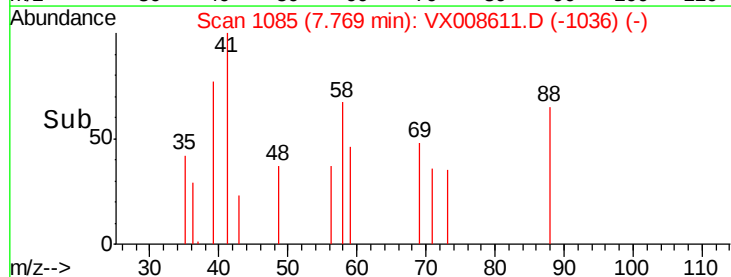
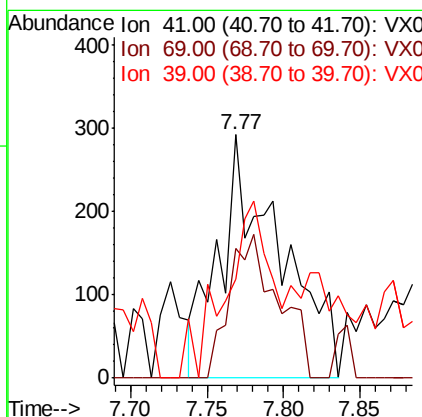
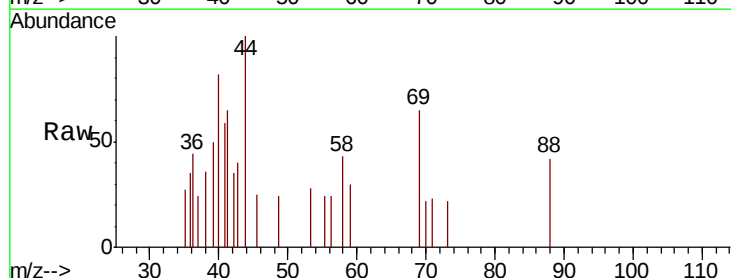
Instrument :
MSVOA_X
ClientSampled :
IBLK

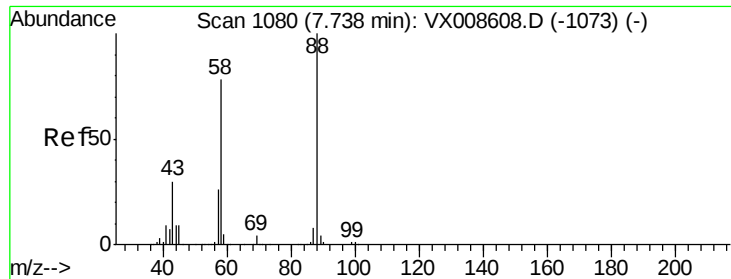
Tot Ion: 93 Resp: 646
Ion Ratio Lower Upper
93 100
95 61.9 66.6 99.8#
174 78.3 77.7 116.5



#48
Methyl methacrylate
Concen: 0.209 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX008611.D
Acq: 03 Apr 2019 11:52

Tgt Ion: 41 Resp: 806
Ion Ratio Lower Upper
41 100
69 47.3 59.0 88.4#
39 55.5 41.0 61.4

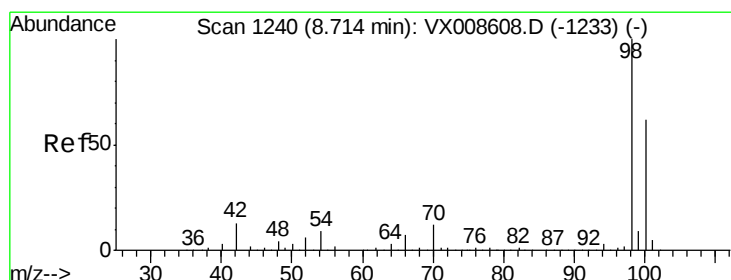
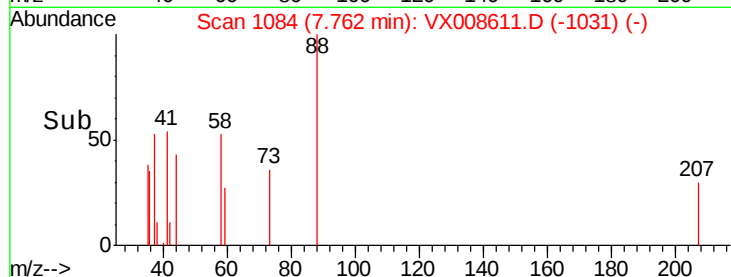
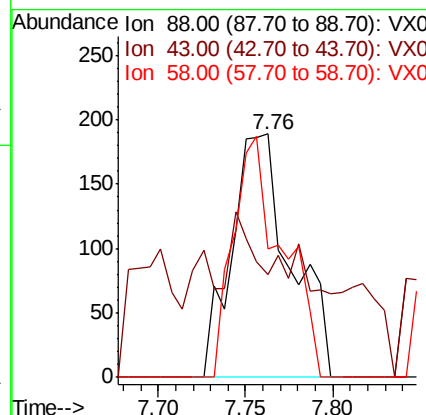
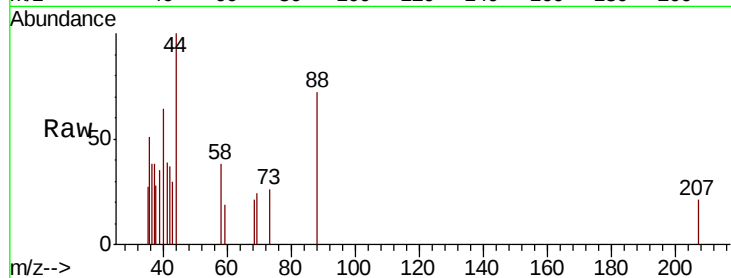




#49
 1,4-Dioxane
 Concen: 6.172 ug/l
 RT: 7.76 min Scan# 1084
 Delta R.T. 0.02 min
 Lab File: VX008611.D
 Acq: 03 Apr 2019 11:52

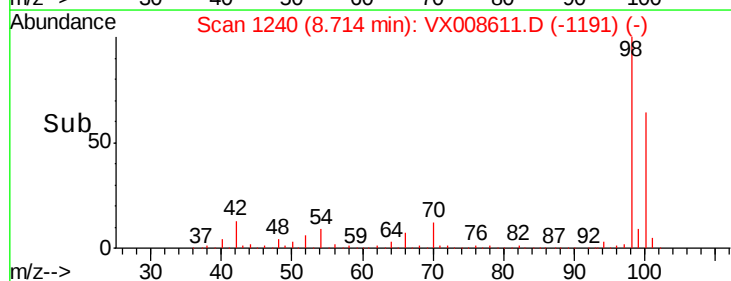
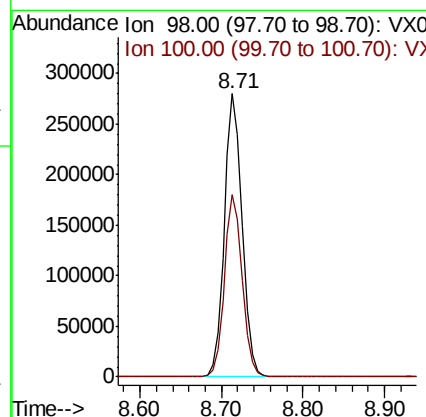
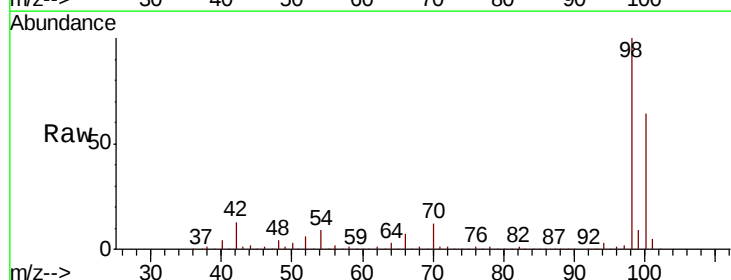
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

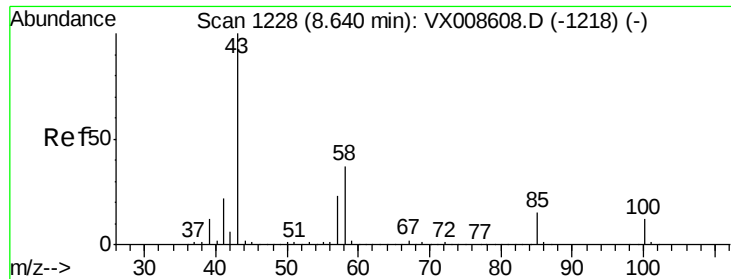
Tot Ion: 88 Resp: 445
 Ion Ratio Lower Upper
 88 100
 43 10.8 28.6 43.0#
 58 82.9 62.2 93.2



#50
 Toluene-d8
 Concen: 50.209 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX008611.D
 Acq: 03 Apr 2019 11:52

Tgt Ion: 98 Resp: 425510
 Ion Ratio Lower Upper
 98 100
 100 64.1 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 0.482 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampled :

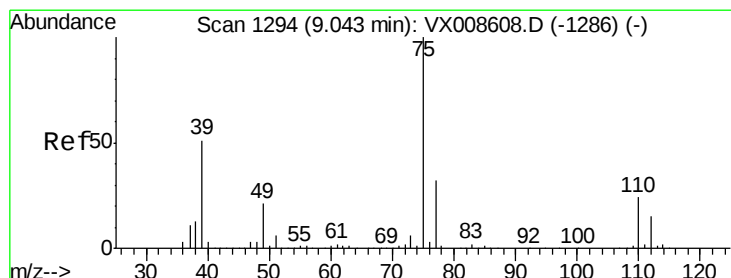
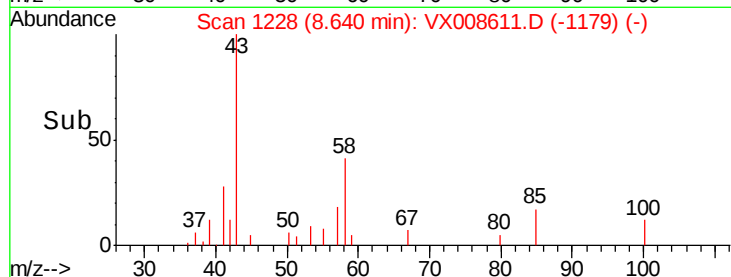
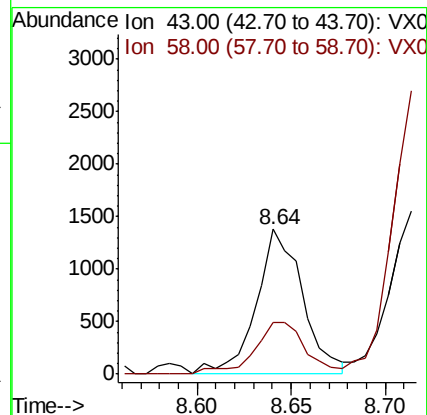
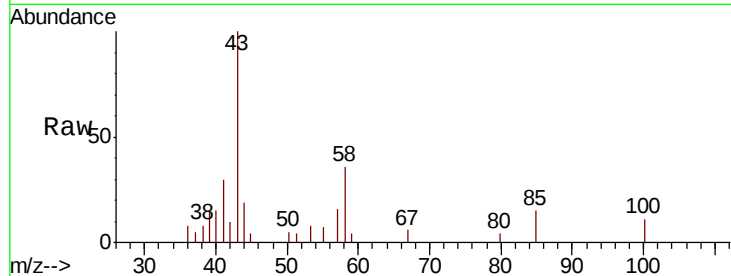
IBLK

Tot Ion: 43 Resp: 2362

Ion Ratio Lower Upper

43 100

58 39.5 29.5 44.3



#53

t-1,3-Dichloropropene

Concen: 0.263 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX008611.D

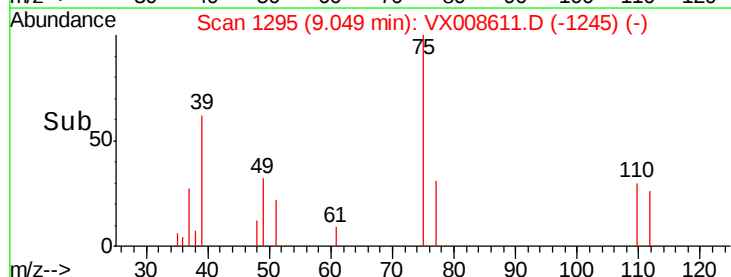
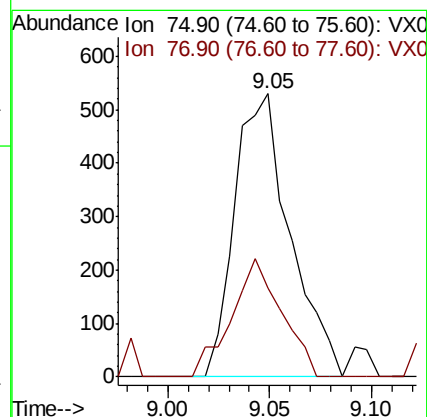
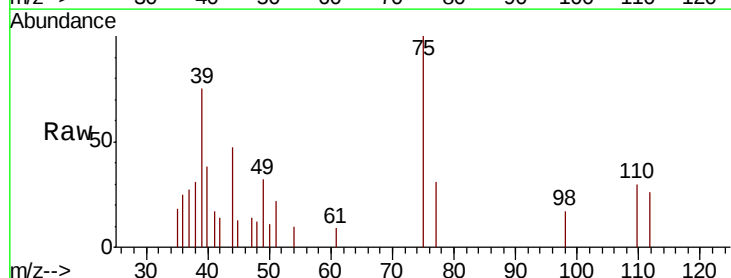
Acq: 03 Apr 2019 11:52

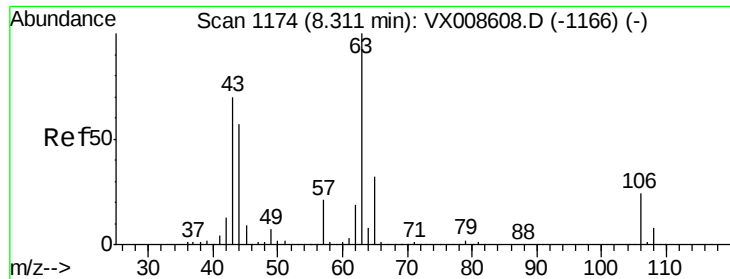
Tgt Ion: 75 Resp: 996

Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8

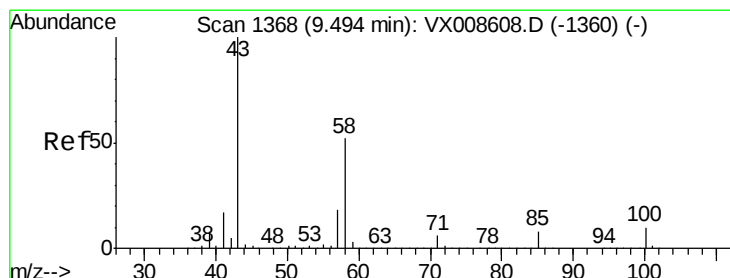
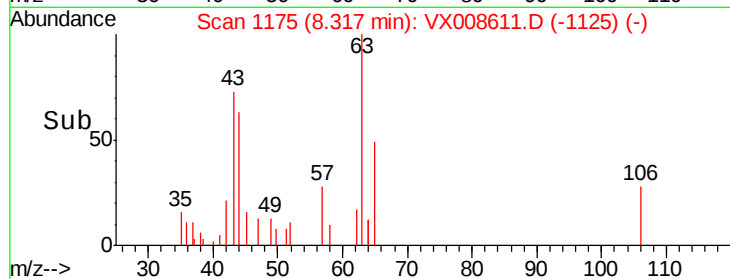
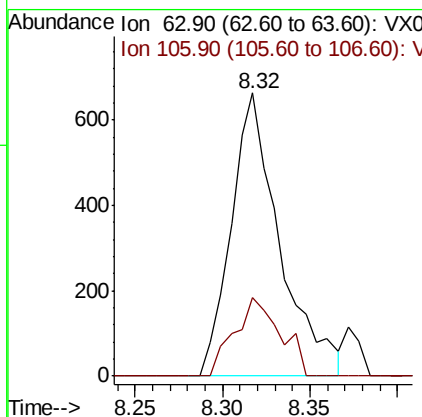
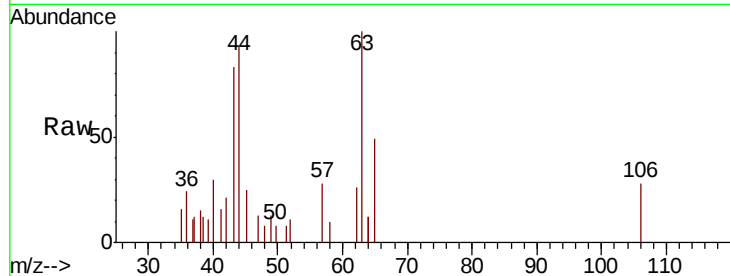




#58
2-Chloroethyl Vinyl ether
Concen: 0.540 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VX008611.D
Acq: 03 Apr 2019 11:52

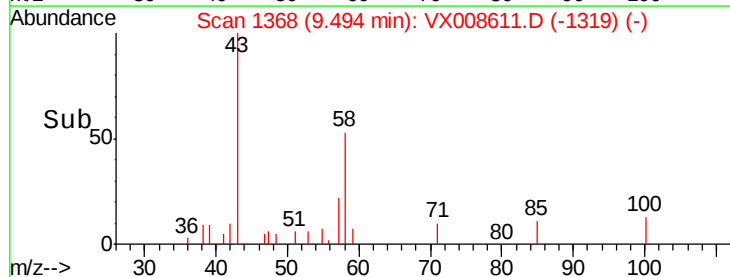
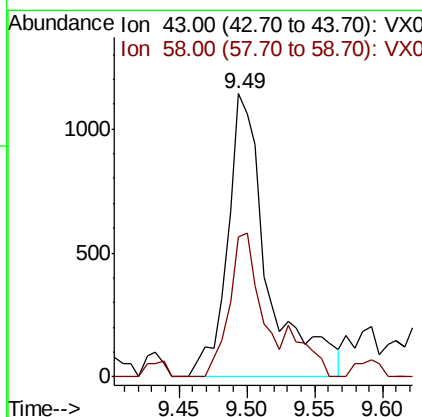
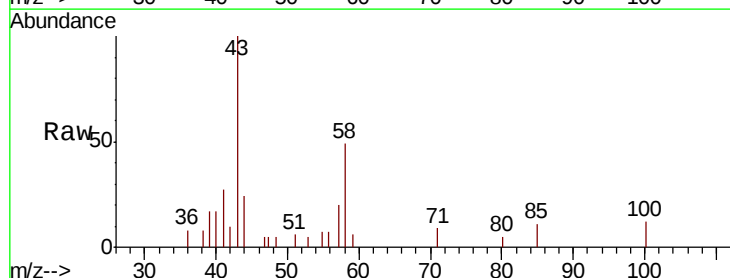
Instrument :
MSVOA_X
ClientSampleId :
IBLK

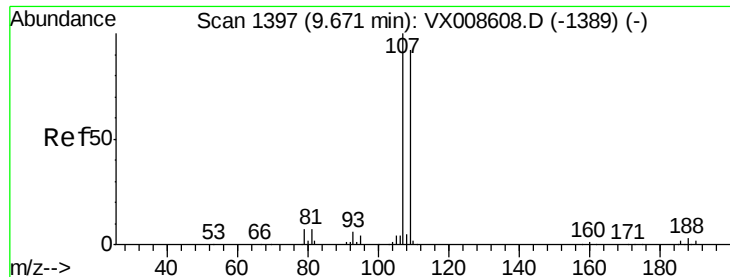
Tot Ion: 63 Resp: 1280
Ion Ratio Lower Upper
63 100
106 25.9 19.0 28.6



#59
2-Hexanone
Concen: 0.618 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX008611.D
Acq: 03 Apr 2019 11:52

Tgt Ion: 43 Resp: 2354
Ion Ratio Lower Upper
43 100
58 39.4 25.9 77.7





#61

1,2-Dibromoethane

Concen: 0.224 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

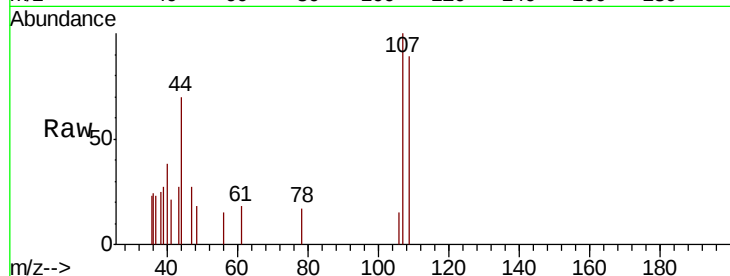
IBLK

Tot Ion: 107 Resp: 598

Ion Ratio Lower Upper

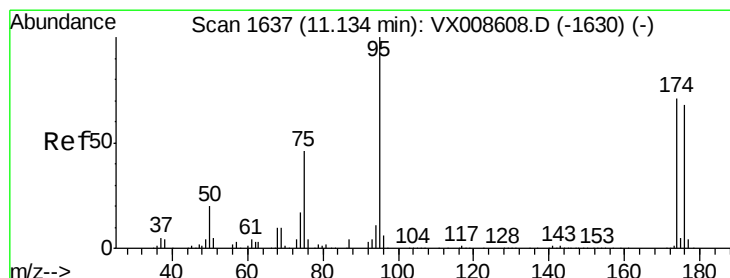
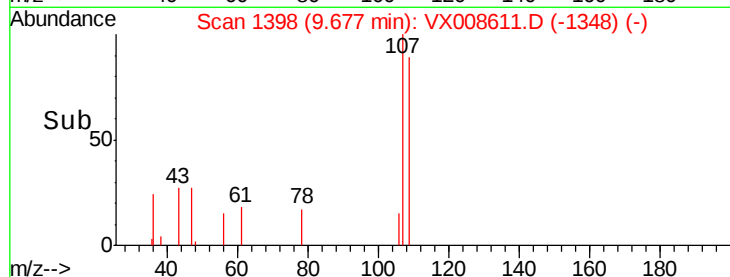
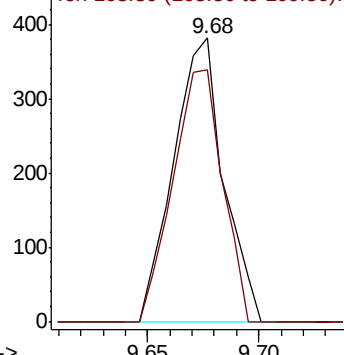
107 100

109 88.0 74.1 111.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.458 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

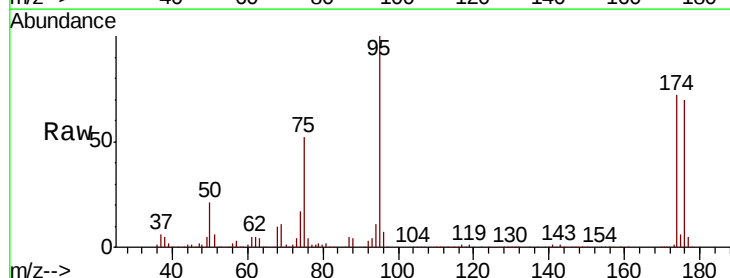
Tgt Ion: 95 Resp: 148636

Ion Ratio Lower Upper

95 100

174 75.5 0.0 151.8

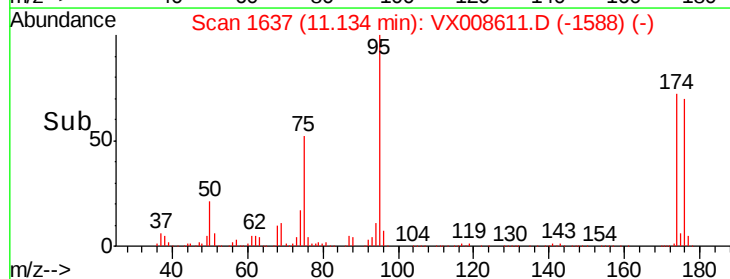
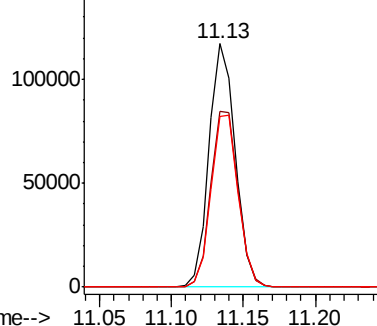
176 73.2 0.0 145.8

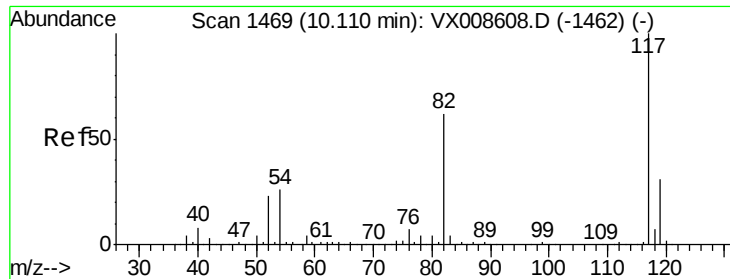


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

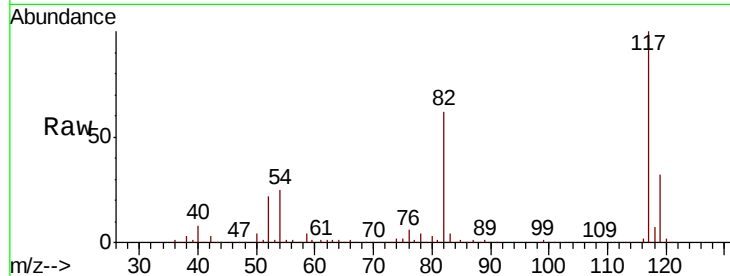




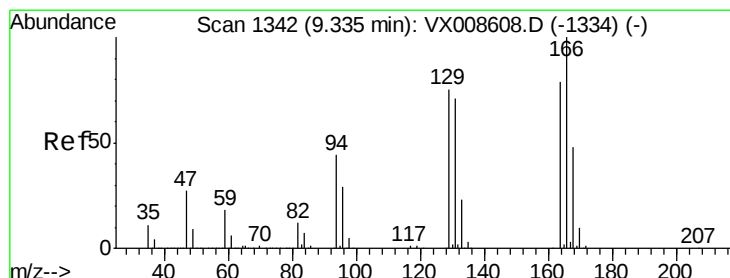
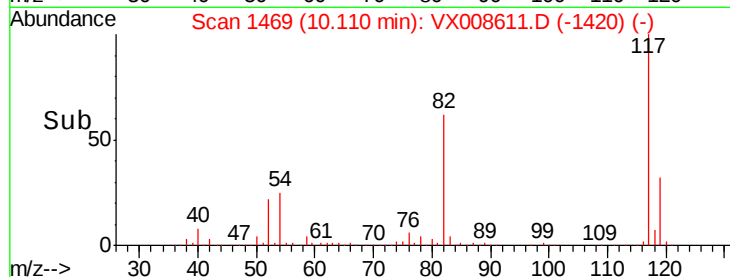
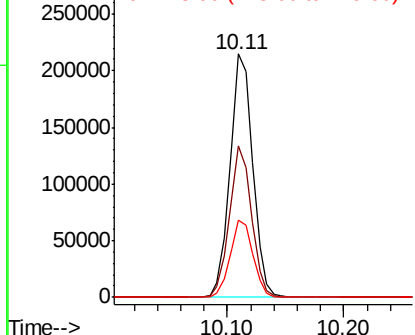
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008611.D
Acq: 03 Apr 2019 11:52

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tot Ion:117 Resp: 292408
Ion Ratio Lower Upper
117 100
82 62.3 49.6 74.4
119 31.9 25.0 37.4

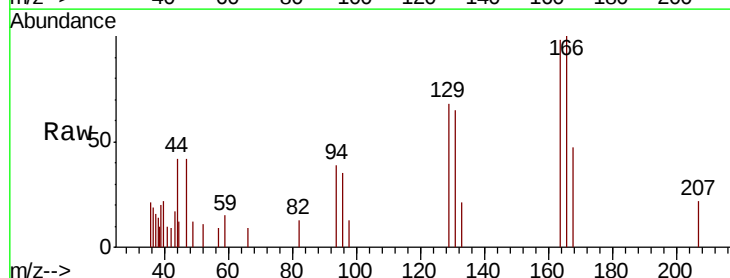


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

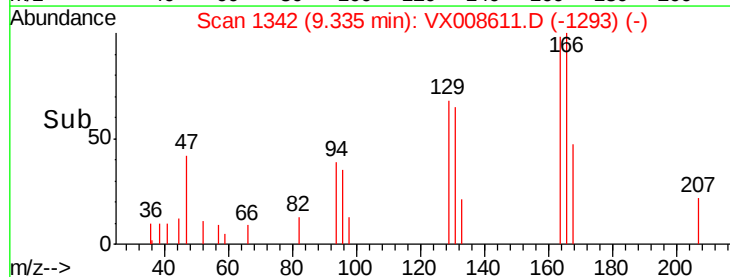
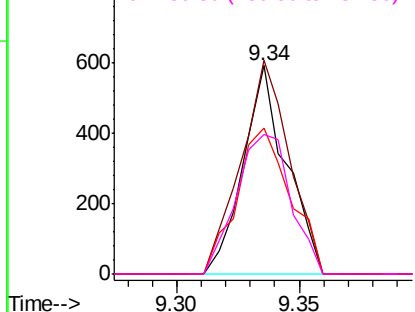


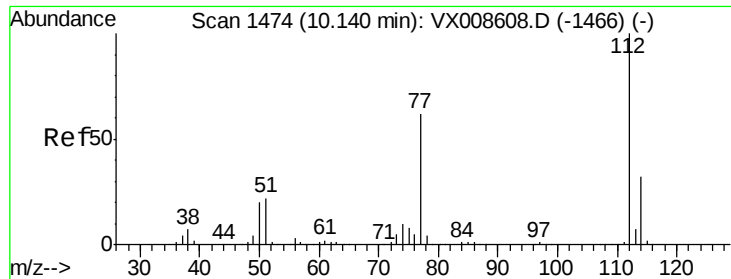
#64
Tetrachloroethene
Concen: 0.334 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008611.D
Acq: 03 Apr 2019 11:52

Tgt Ion:164 Resp: 724
Ion Ratio Lower Upper
164 100
166 102.4 101.0 151.6
129 69.9 75.8 113.8#
131 66.9 71.8 107.8#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 0.240 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampled :

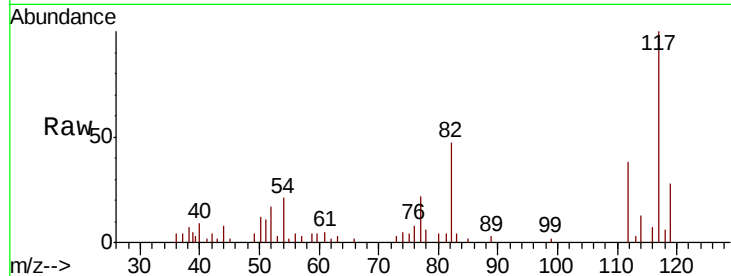
IBLK

Tot Ion:112 Resp: 1558

Ion Ratio Lower Upper

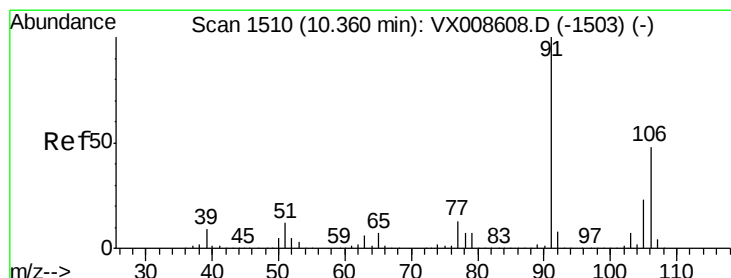
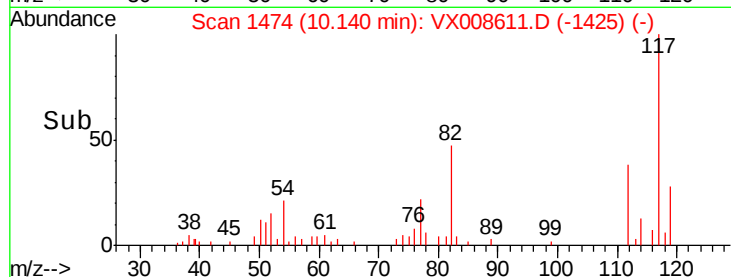
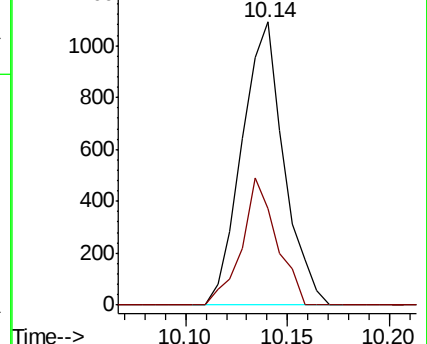
112 100

114 34.0 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#68

m/p-Xylenes

Concen: 0.360 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008611.D

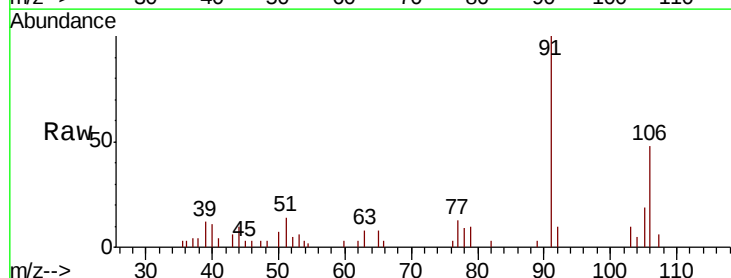
Acq: 03 Apr 2019 11:52

Tgt Ion:106 Resp: 1564

Ion Ratio Lower Upper

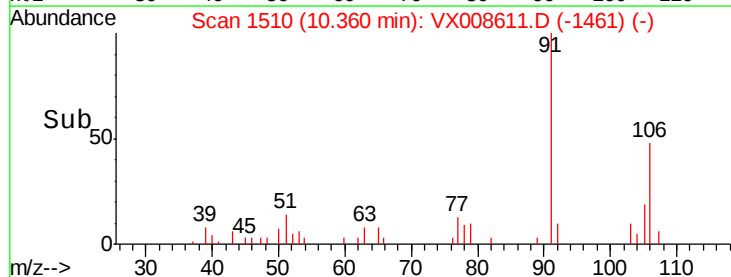
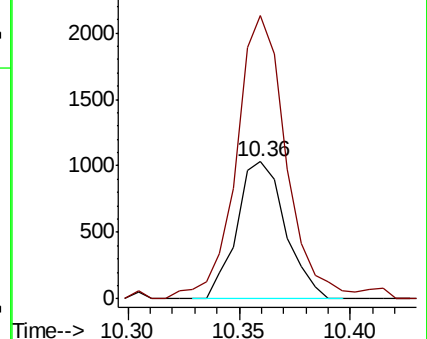
106 100

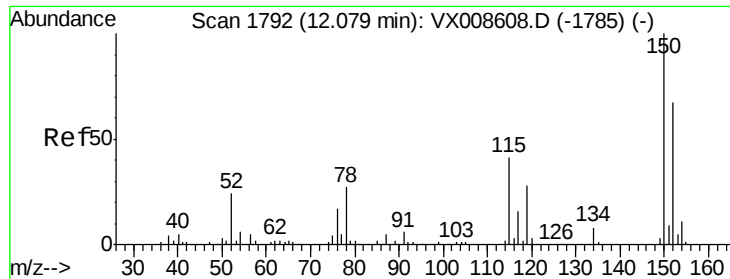
91 213.0 168.5 252.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

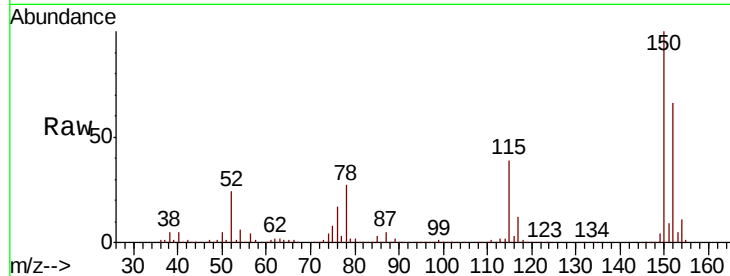
Tot Ion:152 Resp: 128030

Ion Ratio Lower Upper

152 100

115 60.6 43.5 130.5

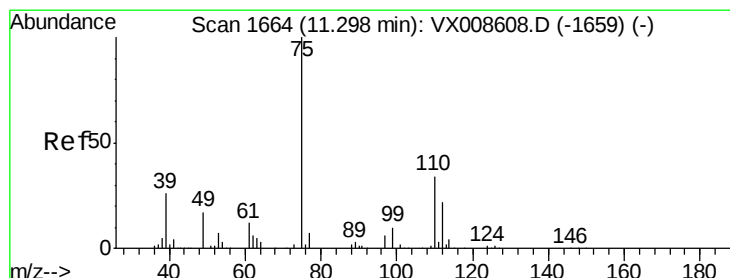
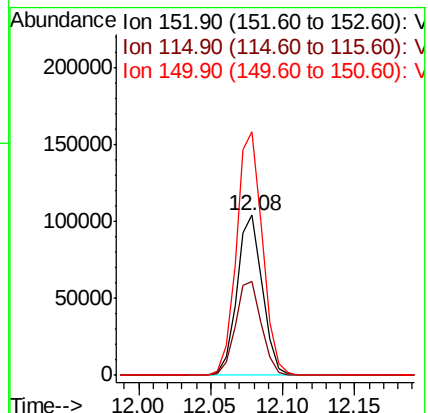
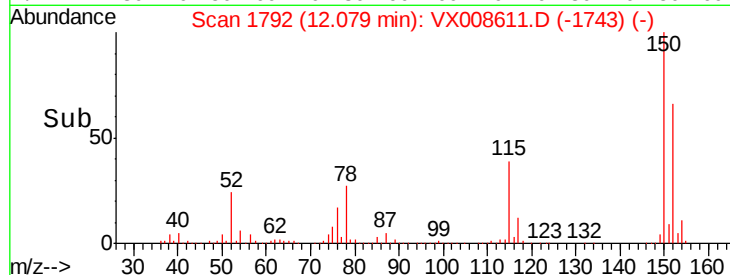
150 156.1 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.553 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008611.D

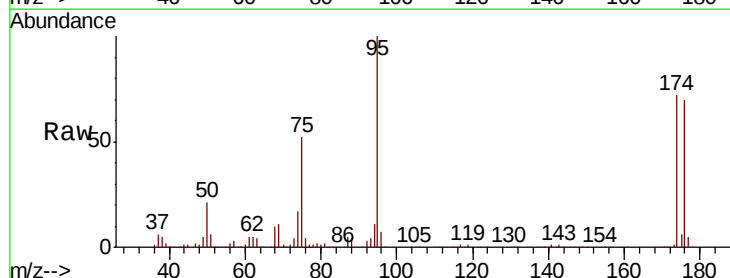
Acq: 03 Apr 2019 11:52

Tgt Ion: 75 Resp: 75804

Ion Ratio Lower Upper

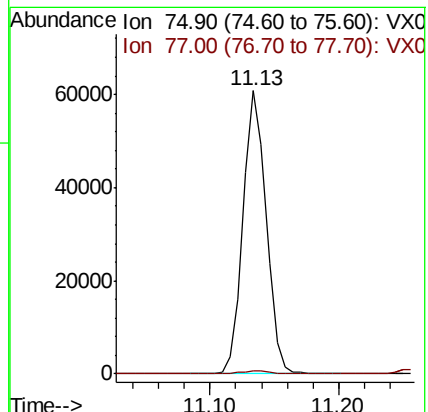
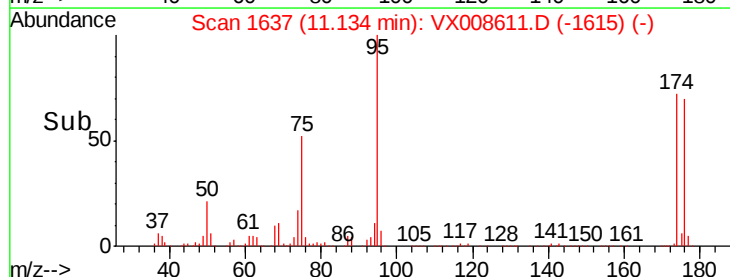
75 100

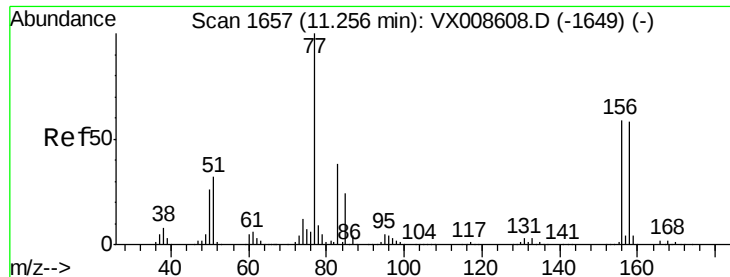
77 1.2 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 0.274 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampled :

IBLK

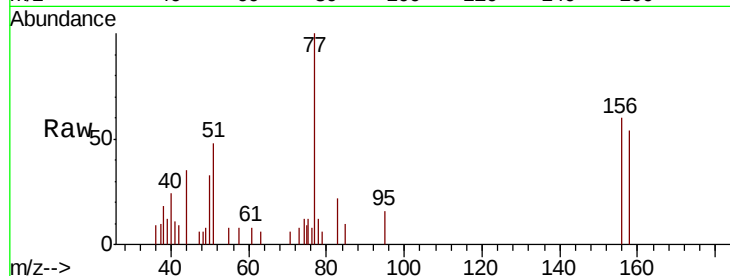
Tot Ion:156 Resp: 698

Ion Ratio Lower Upper

156 100

77 192.8 89.8 269.6

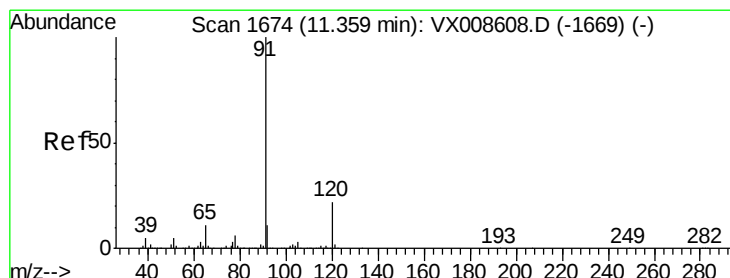
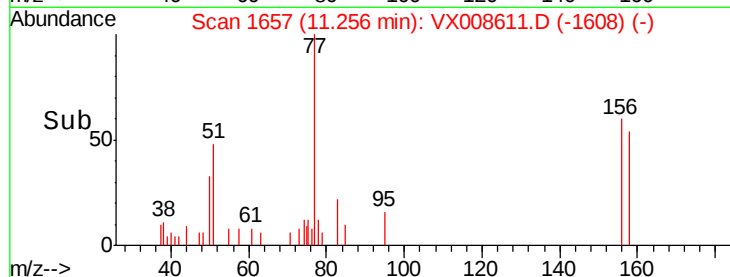
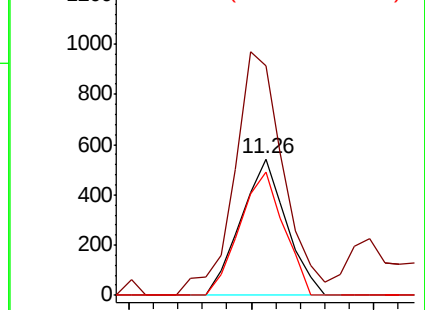
158 88.0 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.218 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008611.D

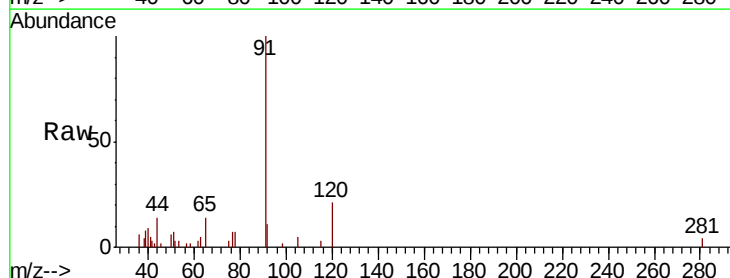
Acq: 03 Apr 2019 11:52

Tgt Ion: 91 Resp: 2692

Ion Ratio Lower Upper

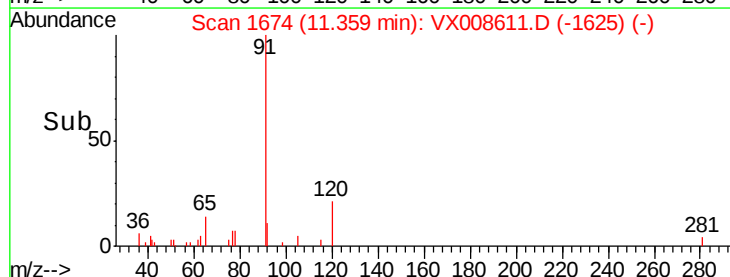
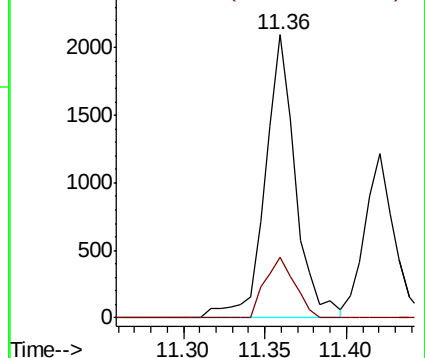
91 100

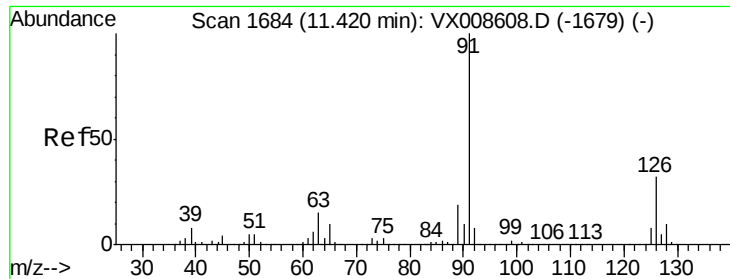
120 21.1 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

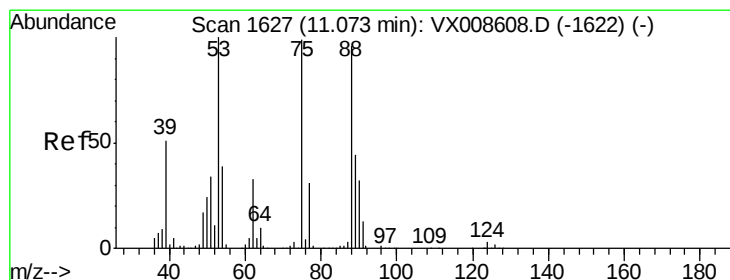
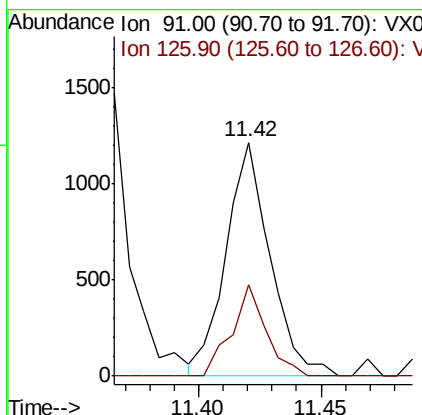
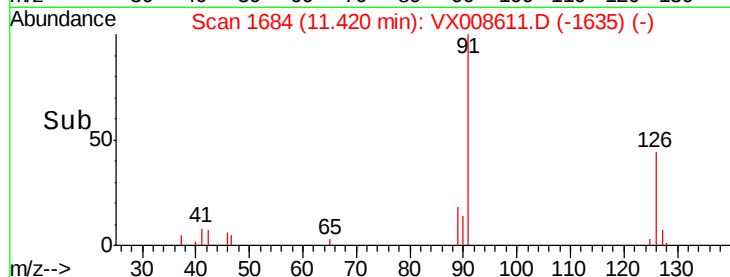
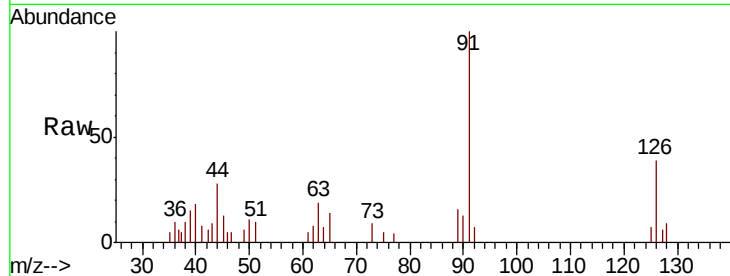




#79
 2-Chlorotoluene
 Concen: 0.204 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX008611.D
 Acq: 03 Apr 2019 11:52

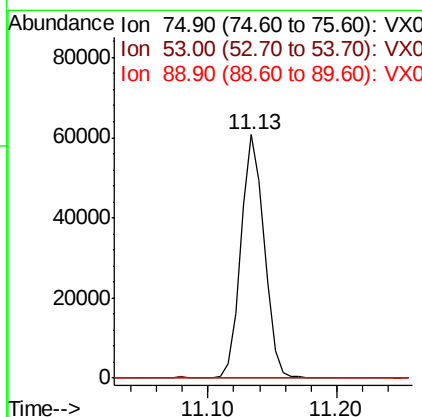
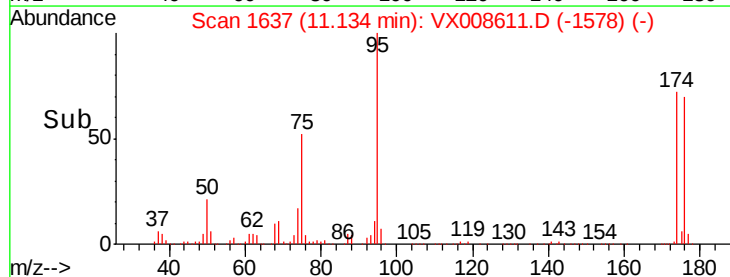
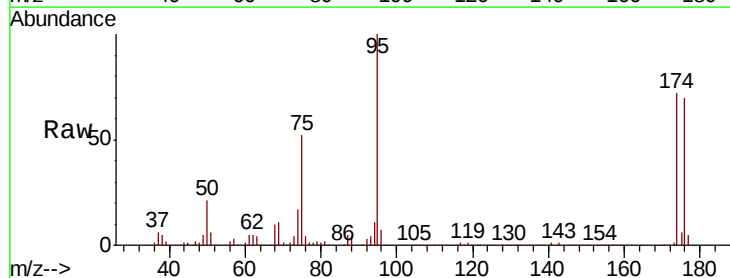
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

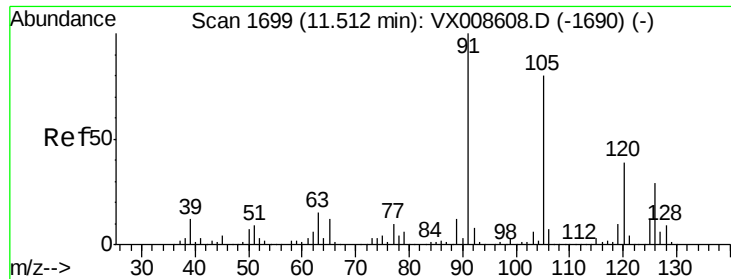
Tot Ion: 91 Resp: 1525
 Ion Ratio Lower Upper
 91 100
 126 30.6 16.1 48.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.412 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008611.D
 Acq: 03 Apr 2019 11:52

Tgt Ion: 75 Resp: 75804
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.3 121.9#
 89 0.1 35.6 53.4#

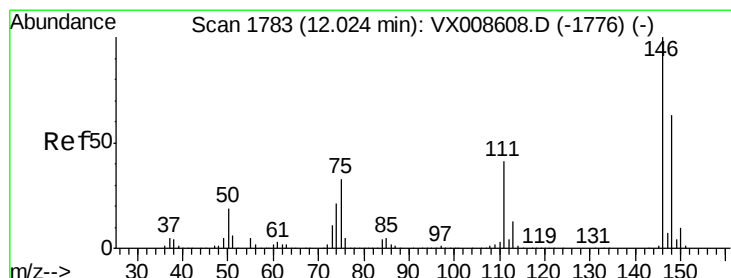
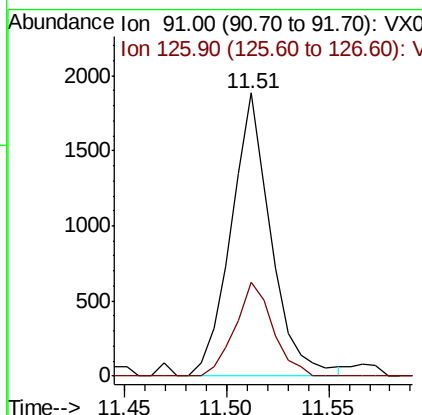
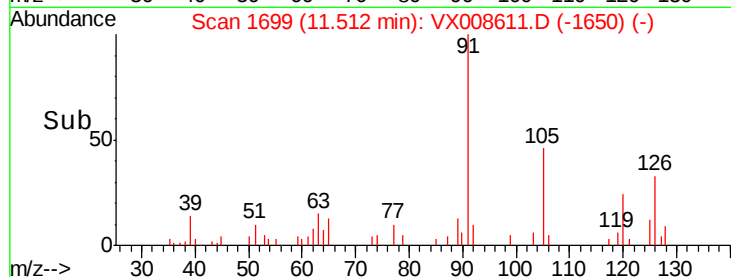
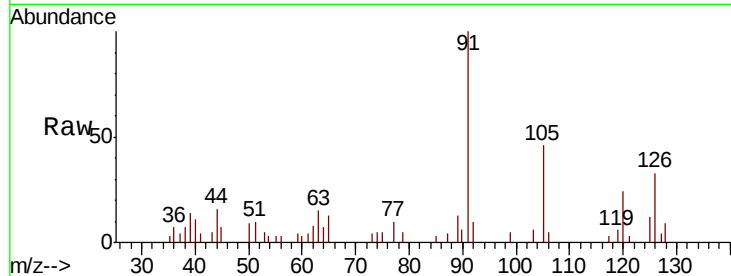




#82
4-Chlorotoluene
Concen: 0.295 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX008611.D
Acq: 03 Apr 2019 11:52

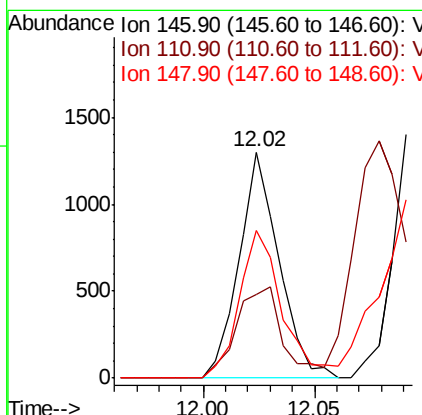
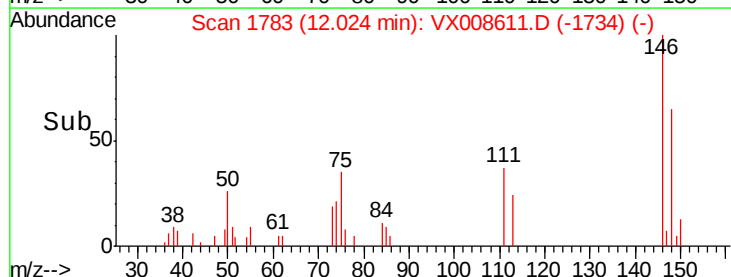
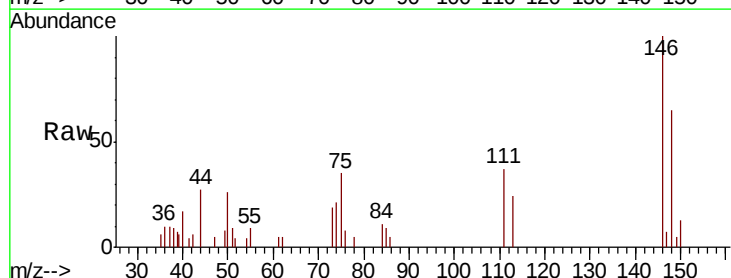
Instrument :
MSVOA_X
ClientSampleId :
IBLK

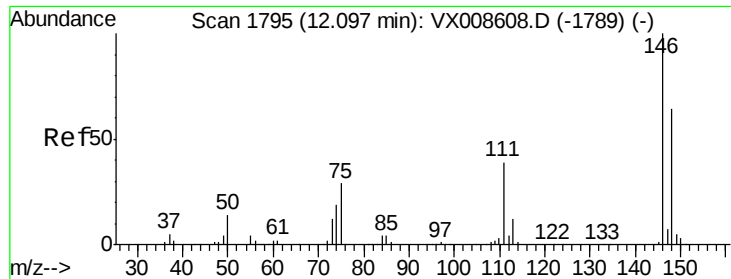
Tot Ion: 91 Resp: 2550
Ion Ratio Lower Upper
91 100
126 31.5 13.9 41.6



#87
1,3-Dichlorobenzene
Concen: 0.356 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX008611.D
Acq: 03 Apr 2019 11:52

Tgt Ion: 146 Resp: 1625
Ion Ratio Lower Upper
146 100
111 47.6 20.5 61.5
148 70.8 31.6 94.7

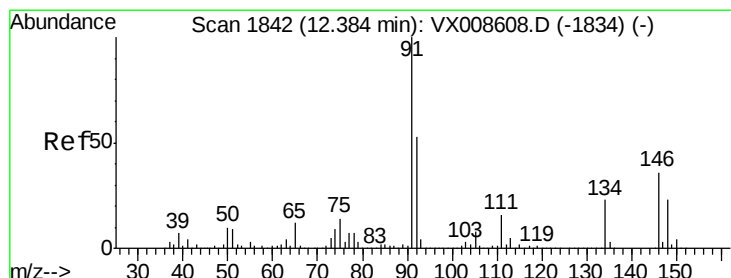
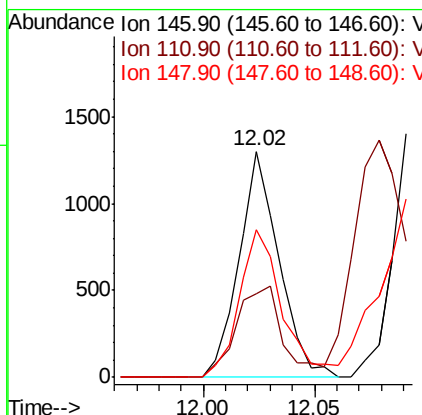
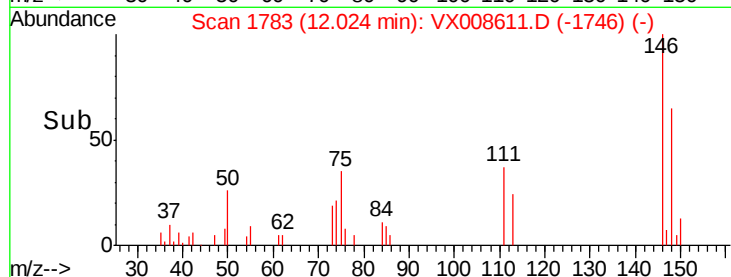
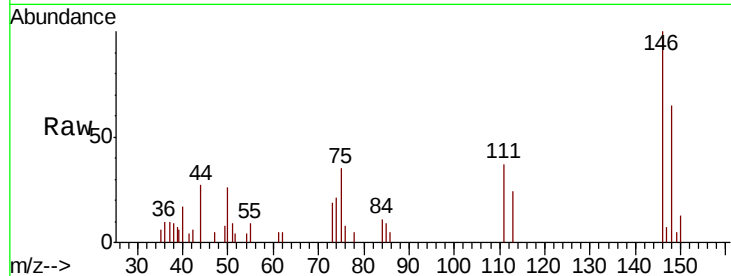




#88
 1,4-Dichlorobenzene
 Concen: 0.351 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.07 min
 Lab File: VX008611.D
 Acq: 03 Apr 2019 11:52

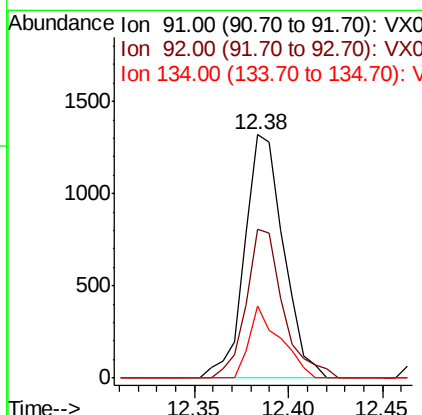
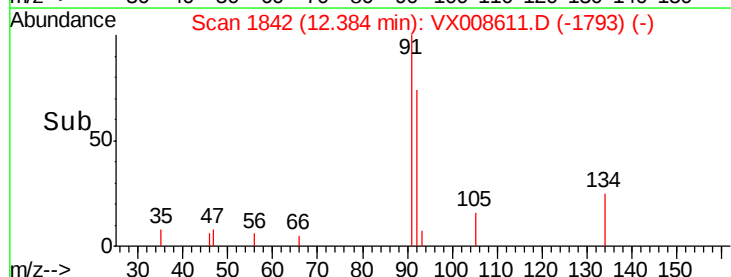
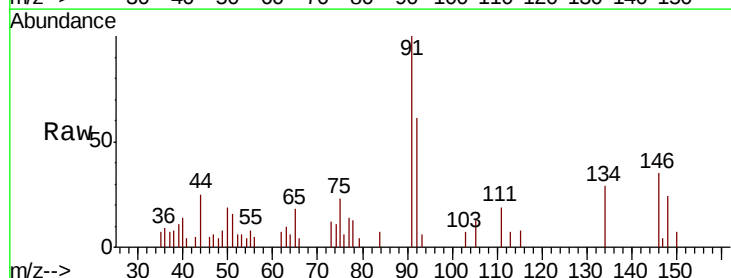
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

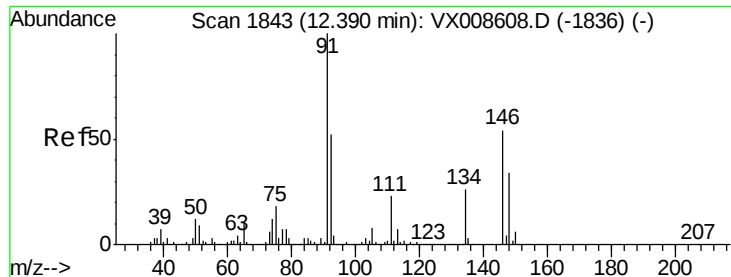
Tot Ion:146 Resp: 1625
 Ion Ratio Lower Upper
 146 100
 111 47.6 20.2 60.6
 148 70.8 32.0 96.0



#89
 n-Butylbenzene
 Concen: 0.220 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX008611.D
 Acq: 03 Apr 2019 11:52

Tgt Ion: 91 Resp: 1884
 Ion Ratio Lower Upper
 91 100
 92 58.5 26.4 79.2
 134 23.4 12.0 36.0





#91

1,2-Dichlorobenzene

Concen: 0.266 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampled :

IBLK

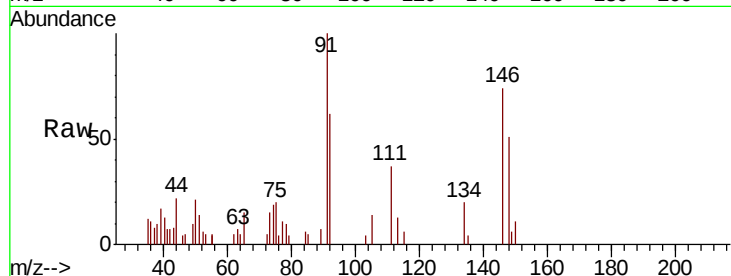
Tot Ion:146 Resp: 1206

Ion Ratio Lower Upper

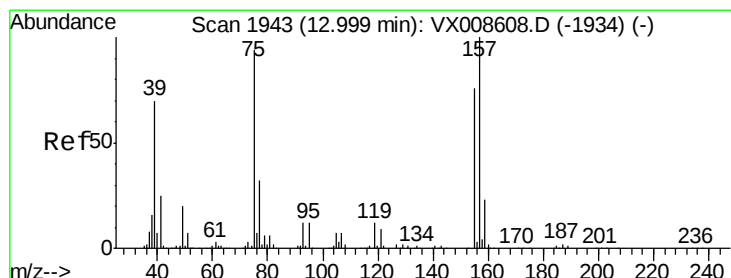
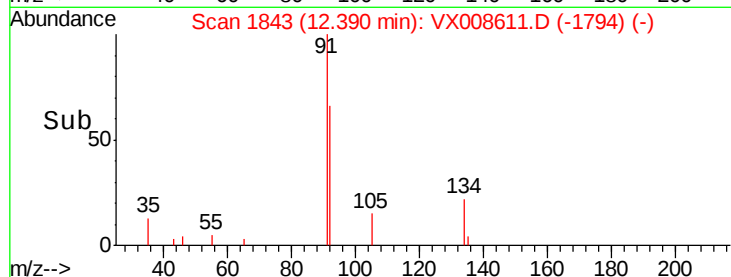
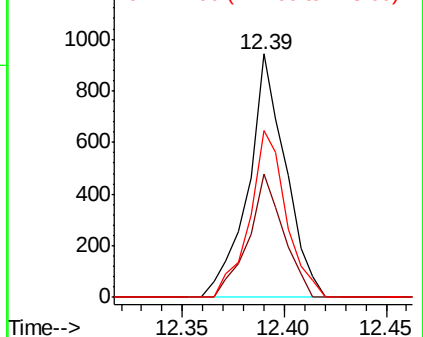
146 100

111 47.3 21.3 63.9

148 66.8 31.7 95.1



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: 0.338 ug/l

RT: 12.99 min Scan# 1942

Delta R.T. -0.01 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

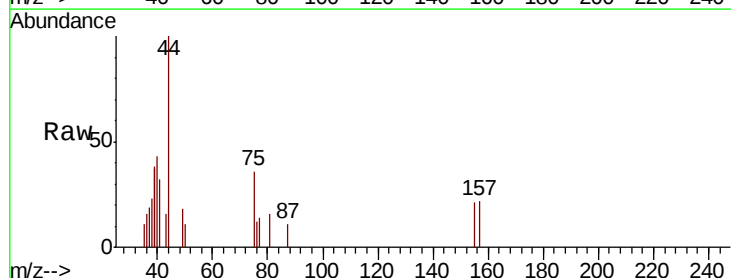
Tgt Ion: 75 Resp: 300

Ion Ratio Lower Upper

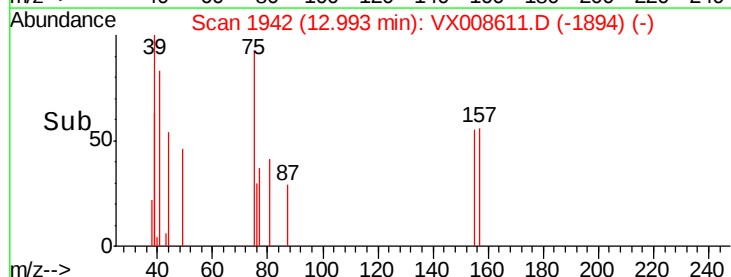
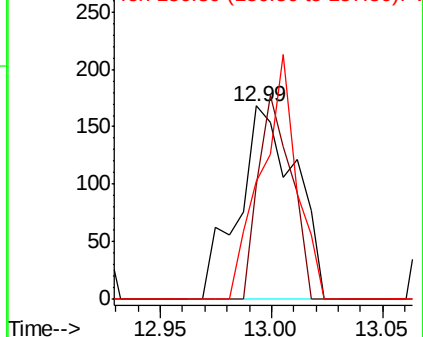
75 100

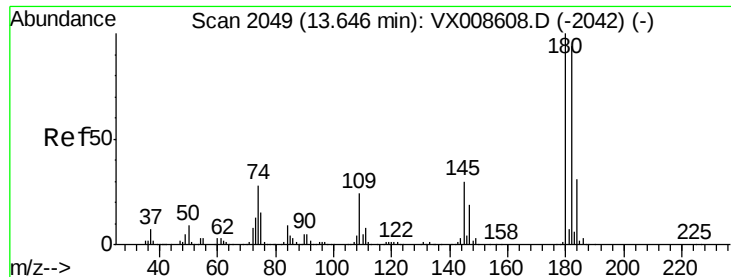
155 61.0 39.9 119.6

157 79.0 51.5 154.7



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

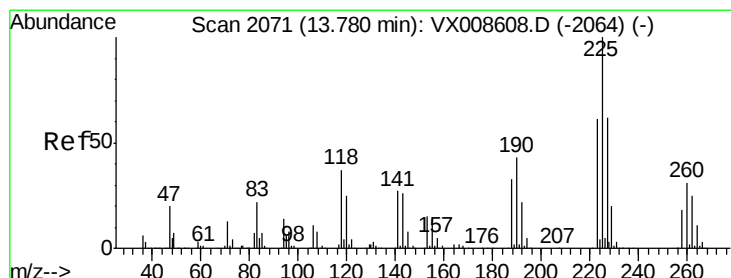
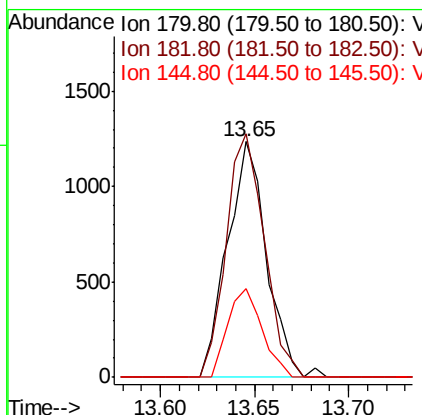
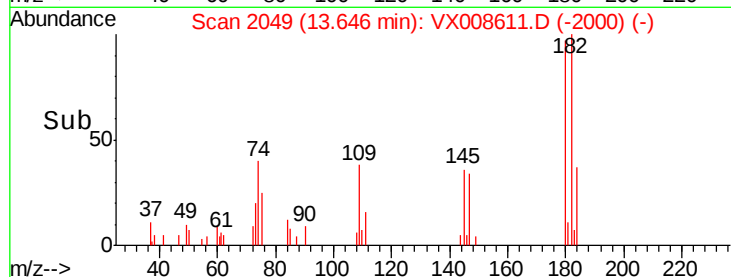
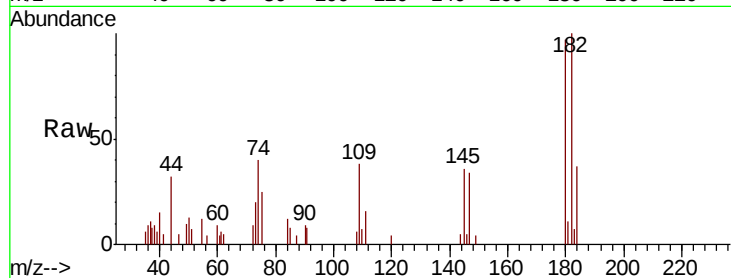




#93
 1,2,4-Trichlorobenzene
 Concen: 0.564 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008611.D
 Acq: 03 Apr 2019 11:52

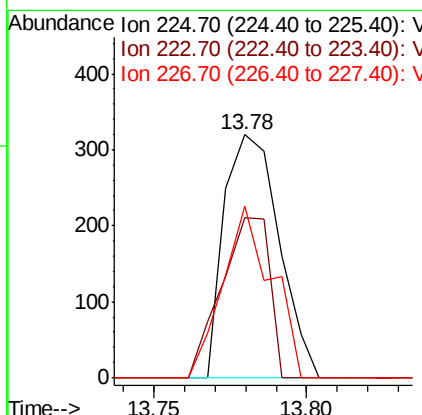
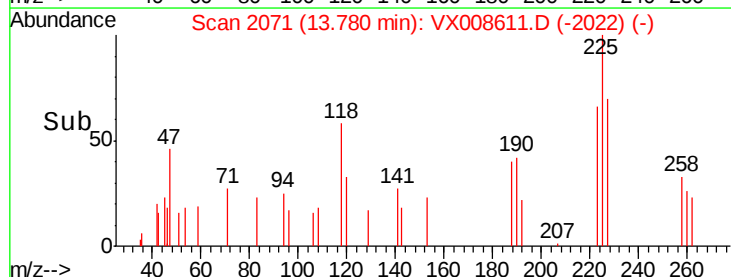
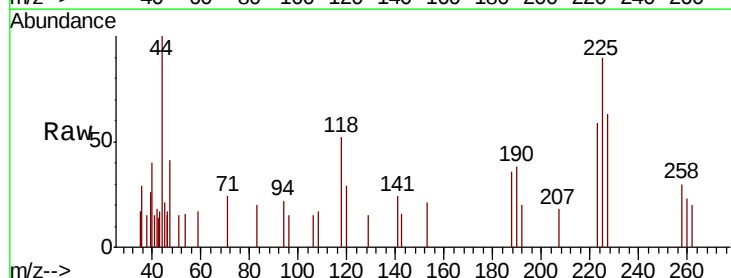
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

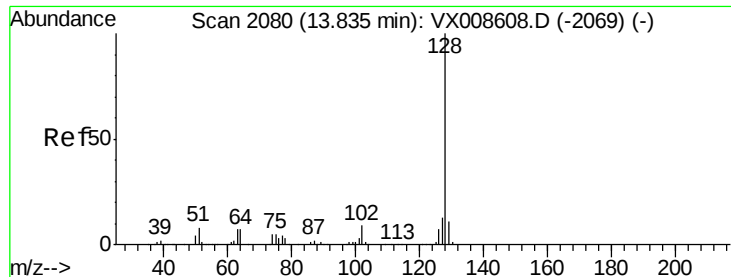
Tot Ion	Ratio	Lower	Upper
180	100		
182	100.7	47.2	141.6
145	32.9	15.3	45.9



#94
 Hexachlorobutadiene
 Concen: 0.263 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008611.D
 Acq: 03 Apr 2019 11:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.7	31.2	93.6
227	62.7	31.9	95.5





#95

Naphthalene

Concen: 0.657 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

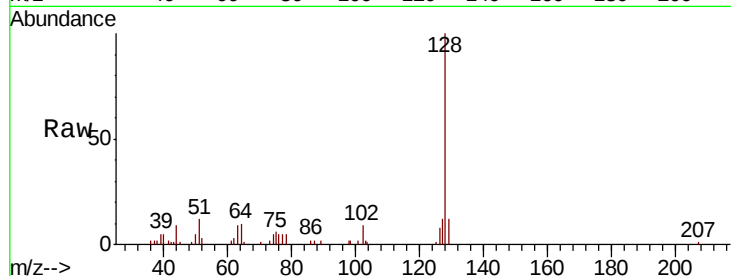
Tot Ion:128 Resp: 6919

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

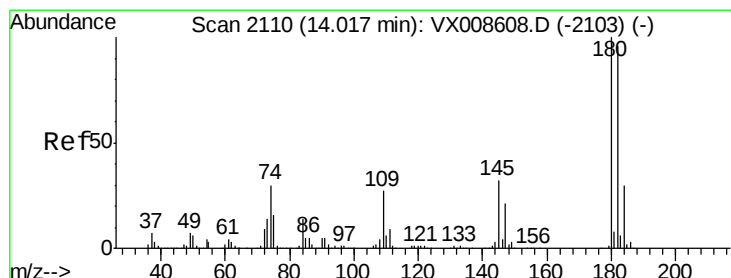
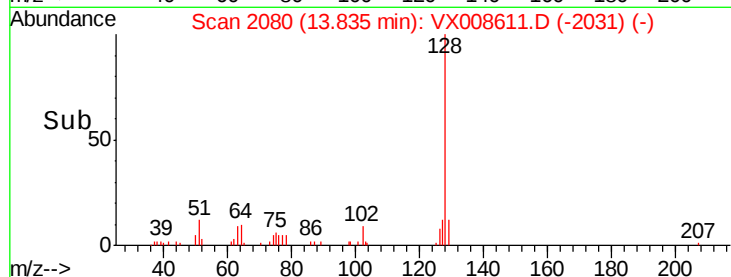
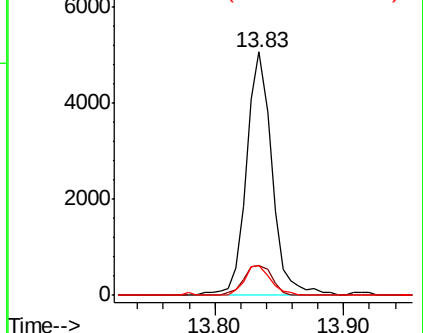
129 12.6 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 0.625 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008611.D

Acq: 03 Apr 2019 11:52

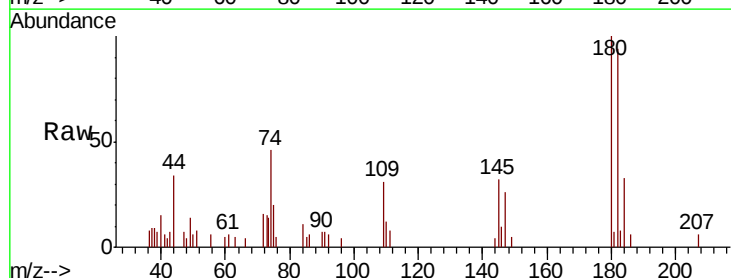
Tgt Ion:180 Resp: 1967

Ion Ratio Lower Upper

180 100

182 89.0 48.1 144.3

145 31.2 16.3 48.8



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

