

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041519\
 Data File : VX008973.D
 Acq On : 15 Apr 2019 20:15
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 16 03:26:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 02:27:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	224773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	369424	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	330215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152063	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	149251	47.12	ug/l	0.00
Spiked Amount						
			Recovery	=	94.24%	
35) Dibromofluoromethane	5.50	113	110023	46.41	ug/l	0.00
Spiked Amount						
			Recovery	=	92.82%	
50) Toluene-d8	8.71	98	446739	47.25	ug/l	0.00
Spiked Amount						
			Recovery	=	94.50%	
62) 4-Bromofluorobenzene	11.13	95	157415	47.16	ug/l	0.00
Spiked Amount						
			Recovery	=	94.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	136355	52.668	ug/l	100
3) Chloromethane	1.32	50	160523	50.504	ug/l	99
4) Vinyl Chloride	1.41	62	154497	49.942	ug/l	98
5) Bromomethane	1.64	94	92891	48.109	ug/l	96
6) Chloroethane	1.71	64	90422	49.707	ug/l	98
7) Trichlorofluoromethane	1.92	101	175852	48.687	ug/l	98
8) Diethyl Ether	2.19	74	79717	48.261	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	110389	47.801	ug/l	100
10) Methyl Iodide	2.51	142	124129	49.235	ug/l	100
11) Tert butyl alcohol	3.05	59	171727	244.228	ug/l	100
12) 1,1-Dichloroethene	2.37	96	114158	47.360	ug/l	98
13) Acrolein	2.29	56	138046	227.220	ug/l	100
14) Allyl chloride	2.73	41	264313	50.261	ug/l	99
15) Acrylonitrile	3.14	53	439695	246.340	ug/l	100
16) Acetone	2.45	43	383644	233.546	ug/l	100
17) Carbon Disulfide	2.57	76	339174	47.937	ug/l	100
18) Methyl Acetate	2.78	43	194472	47.435	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	429623	50.022	ug/l	100
20) Methylene Chloride	2.85	84	133462	47.509	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	122916	47.809	ug/l	99
22) Diisopropyl ether	3.85	45	513641	50.264	ug/l	96
23) Vinyl Acetate	3.81	43	2320581	258.338	ug/l	99
24) 1,1-Dichloroethane	3.70	63	251824	49.092	ug/l	99
25) 2-Butanone	4.67	43	658929	250.951	ug/l	99
26) 2,2-Dichloropropane	4.58	77	176910	46.009	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	140599	48.166	ug/l	99
28) Bromochloromethane	5.01	49	112948	53.132	ug/l	100
29) Tetrahydrofuran	5.13	42	434393	247.172	ug/l	99
30) Chloroform	5.21	83	225272	49.076	ug/l	98
31) Cyclohexane	5.58	56	250047	49.560	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	188807	49.628	ug/l	100
36) 1,1-Dichloropropene	5.80	75	178593	46.744	ug/l	99
37) Ethyl Acetate	4.83	43	247939	50.432	ug/l	100
38) Carbon Tetrachloride	5.78	117	156699	48.379	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	220520	47.405	ug/l	98
40) Benzene	6.14	78	548649	48.677	ug/l	100
41) Methacrylonitrile	5.04	41	141091	50.004	ug/l	100
42) 1,2-Dichloroethane	6.19	62	192745	48.275	ug/l	99
43) Isopropyl Acetate	6.45	43	395625	49.936	ug/l	99
44) Trichloroethene	7.21	130	128943	46.690	ug/l	99
45) 1,2-Dichloropropane	7.51	63	155114	49.606	ug/l	98
46) Dibromomethane	7.66	93	87421	48.039	ug/l	100
47) Bromodichloromethane	7.90	83	175546	49.183	ug/l	100
48) Methyl methacrylate	7.77	41	199510	50.965	ug/l	99
49) 1,4-Dioxane	7.74	88	68960	941.175	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1255597	248.765	ug/l	100
52) Toluene	8.79	92	328548	48.638	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	206826	50.351	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	226692	49.286	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	131514	49.123	ug/l	99
56) Ethyl methacrylate	9.18	69	244684	50.971	ug/l	99
57) 1,3-Dichloropropane	9.37	76	234861	49.271	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	650921	251.801	ug/l	100
59) 2-Hexanone	9.49	43	944731	242.776	ug/l	100
60) Dibromochloromethane	9.58	129	131520	51.258	ug/l	99
61) 1,2-Dibromoethane	9.67	107	135685	49.106	ug/l	99
64) Tetrachloroethene	9.34	164	117055	46.662	ug/l	98
65) Chlorobenzene	10.14	112	331527	47.565	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	122237	49.783	ug/l	99
67) Ethyl Benzene	10.25	91	620206	48.677	ug/l	99
68) m/p-Xylenes	10.36	106	451149	97.429	ug/l	100
69) o-Xylene	10.69	106	217732	48.325	ug/l	99
70) Styrene	10.71	104	380605	48.747	ug/l	99
71) Bromoform	10.85	173	97316	49.748	ug/l #	99
73) Isopropylbenzene	11.02	105	581033	50.410	ug/l	100
74) N-amyl acetate	10.90	43	338412	51.134	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	203413	48.300	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	250575	67.484	ug/l	79
77) Bromobenzene	11.26	156	142595	49.033	ug/l	99
78) n-propylbenzene	11.36	91	673511	50.910	ug/l	100
79) 2-Chlorotoluene	11.42	91	396772	49.770	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	492506	50.919	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	73776	51.010	ug/l	97
82) 4-Chlorotoluene	11.51	91	455992	49.250	ug/l	100
83) tert-Butylbenzene	11.77	119	461146	49.659	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	492626	50.035	ug/l	100
85) sec-Butylbenzene	11.94	105	558750	50.450	ug/l	100
86) p-Isopropyltoluene	12.06	119	504960	49.591	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	247098	48.547	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	242065	46.915	ug/l	99
89) n-Butylbenzene	12.38	91	465956	49.136	ug/l	100
90) Hexachloroethane	12.60	117	86669	51.599	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	242977	48.343	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45600	47.556	ug/l	99

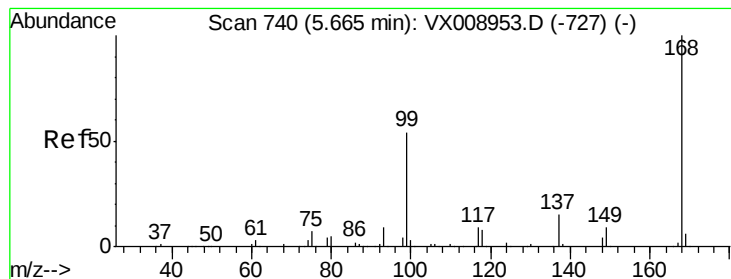
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	170070	46.875	ug/l	100
94) Hexachlorobutadiene	13.78	225	85883	47.461	ug/l	100
95) Naphthalene	13.83	128	560935	48.256	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	169852	47.447	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

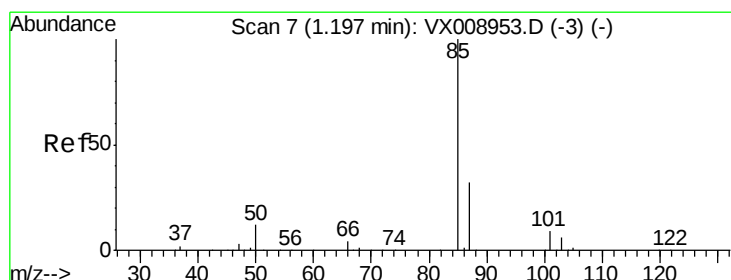
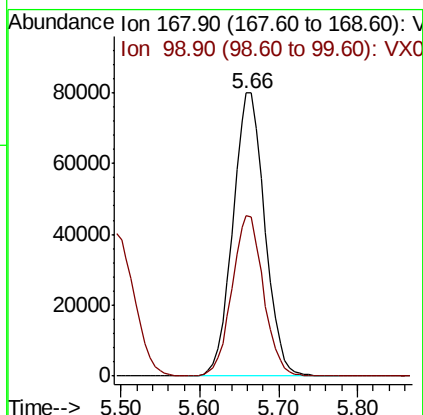
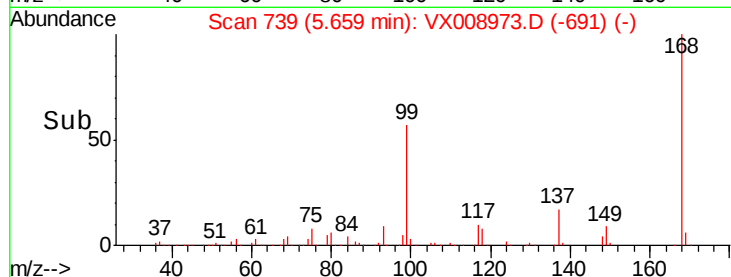
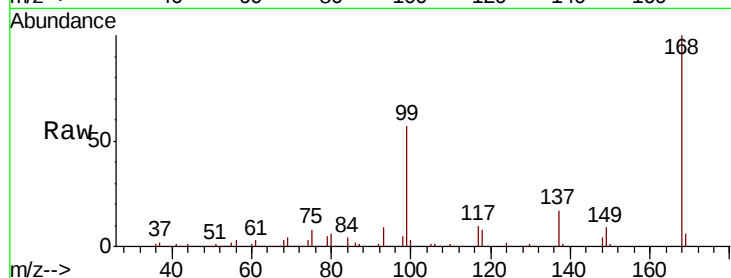
ClientSampleId :

Tot Ion:168 Resp: 224773

Ion Ratio Lower Upper

168 100

99 56.4 43.0 64.6



#2

Dichlorodifluoromethane

Concen: 52.668 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008973.D

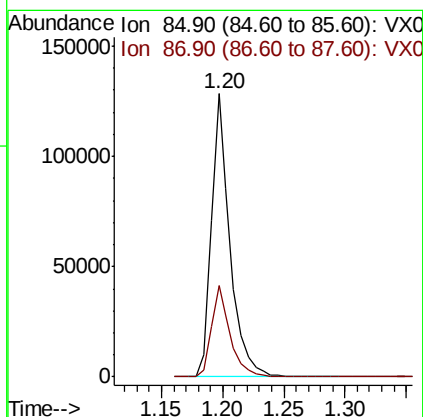
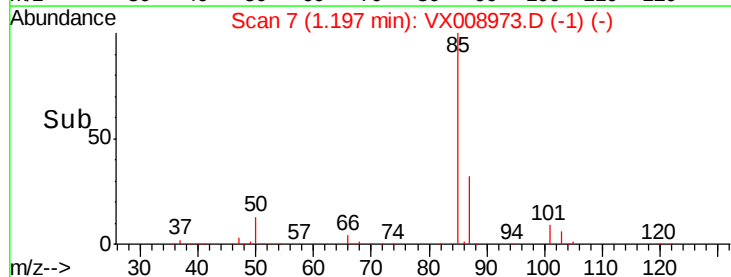
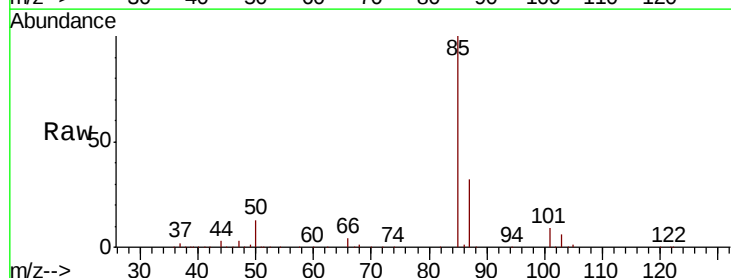
Acq: 15 Apr 2019 20:15

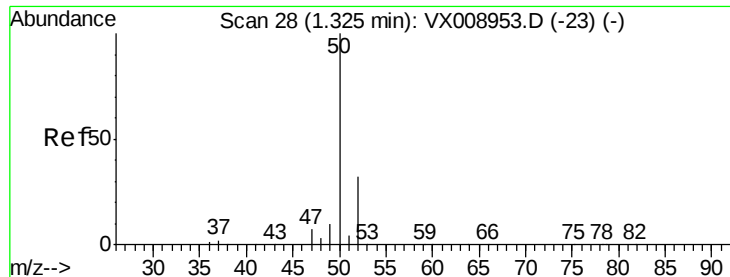
Tgt Ion: 85 Resp: 136355

Ion Ratio Lower Upper

85 100

87 32.1 16.0 47.9





#3

Chloromethane

Concen: 50.504 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

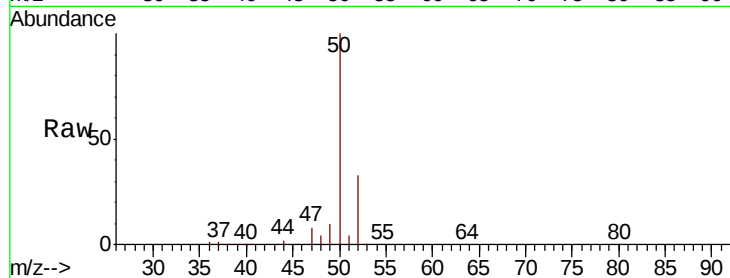
ClientSampleId :

Tot Ion: 50 Resp: 160523

Ion Ratio Lower Upper

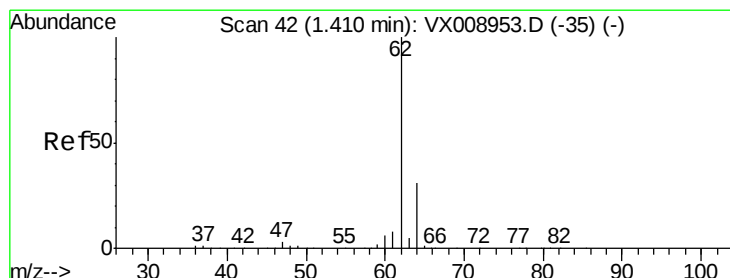
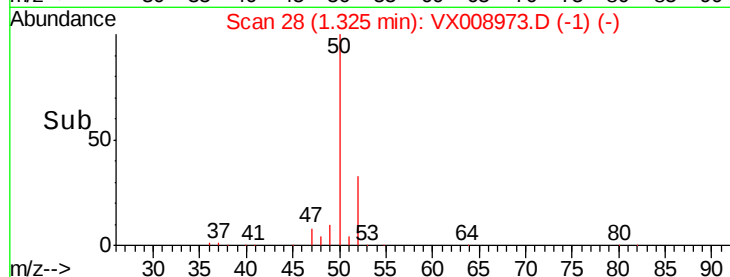
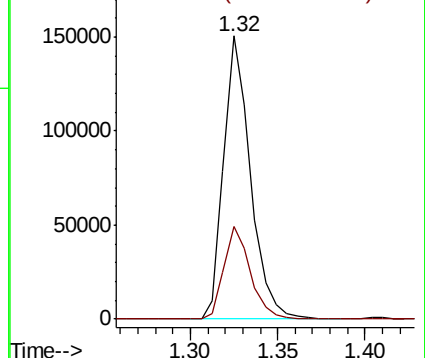
50 100

52 32.7 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.942 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008973.D

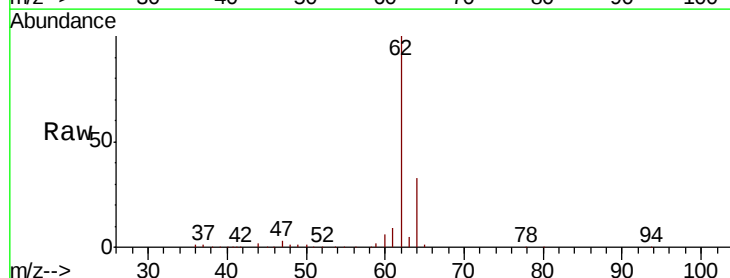
Acq: 15 Apr 2019 20:15

Tgt Ion: 62 Resp: 154497

Ion Ratio Lower Upper

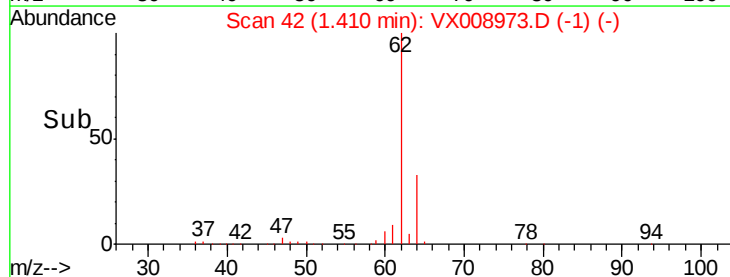
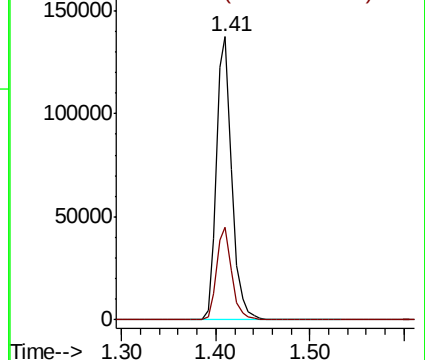
62 100

64 32.6 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 48.109 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

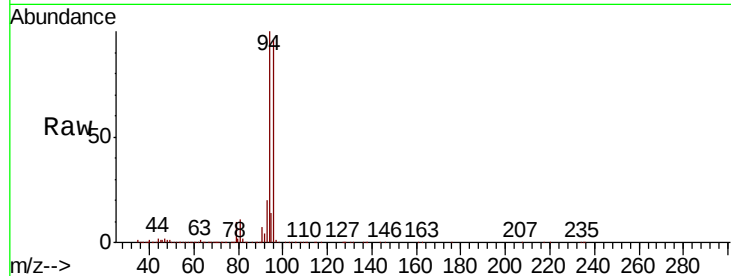
ClientSampled :

Tot Ion: 94 Resp: 92891

Ion Ratio Lower Upper

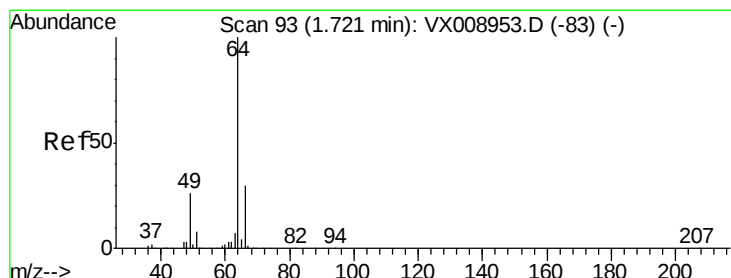
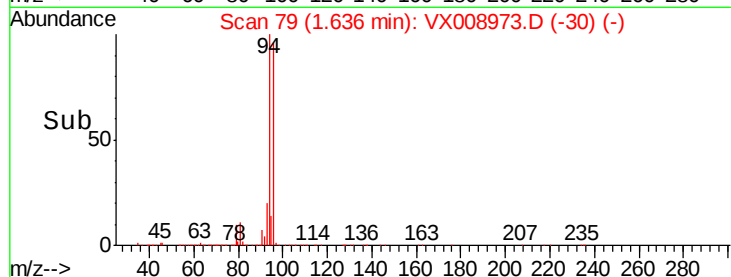
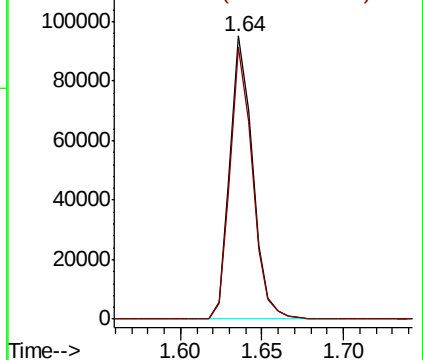
94 100

96 96.0 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.707 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX008973.D

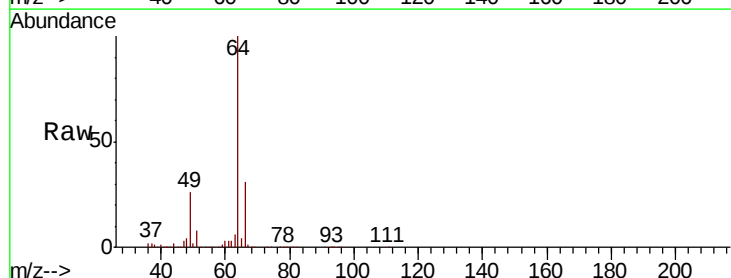
Acq: 15 Apr 2019 20:15

Tgt Ion: 64 Resp: 90422

Ion Ratio Lower Upper

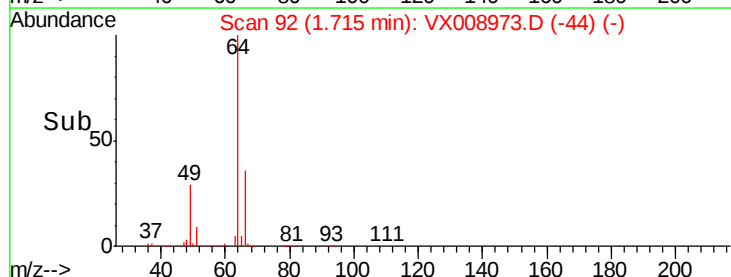
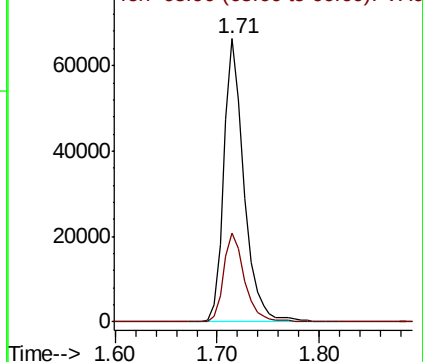
64 100

66 31.2 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



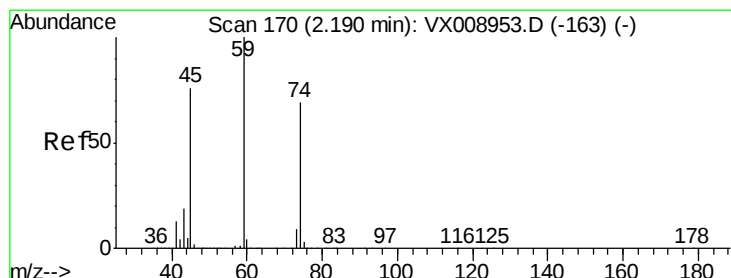
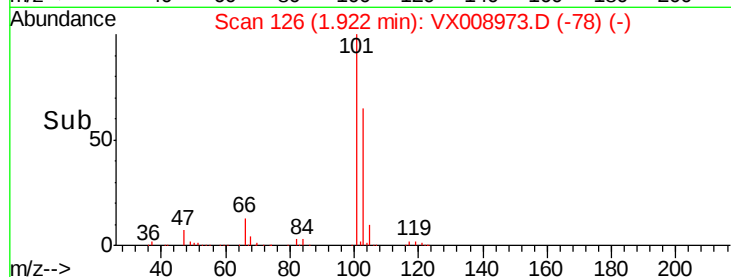
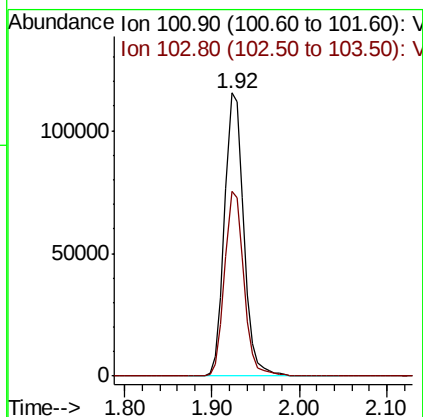
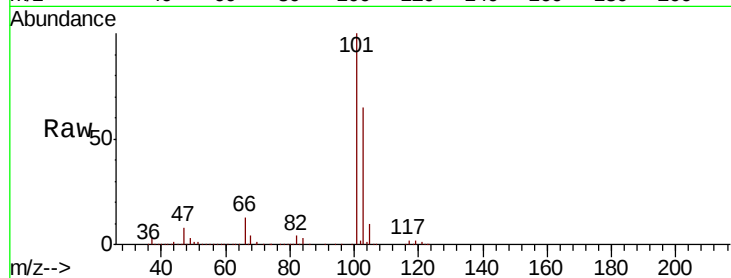


#7

Trichlorofluoromethane
 Concen: 48.687 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :

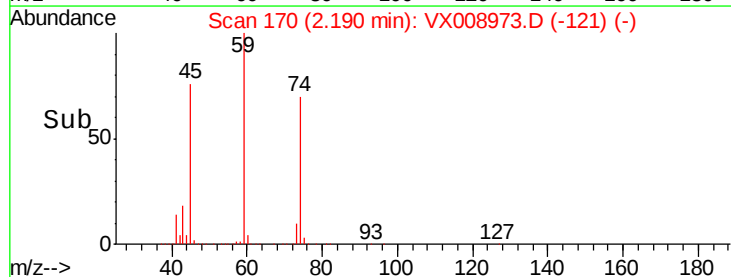
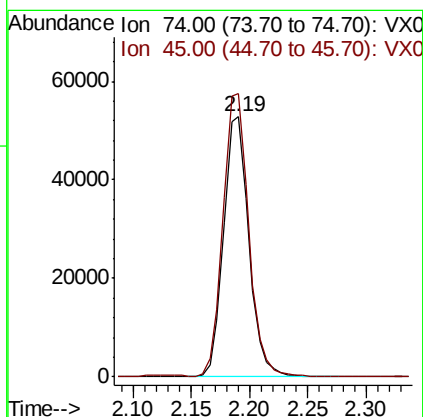
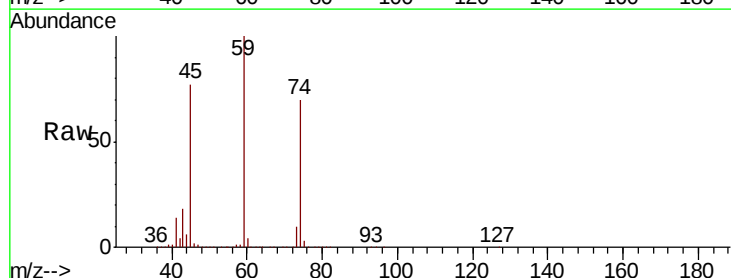
Tot Ion:101 Resp: 175852
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.0 76.6

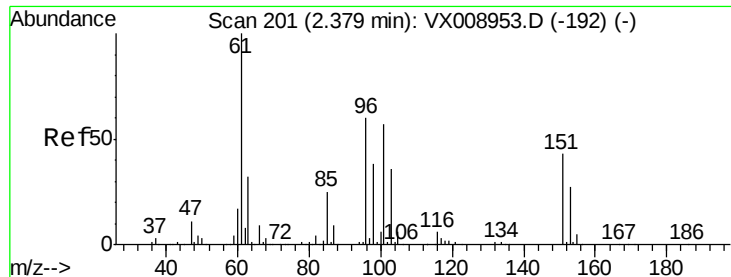


#8

Diethyl Ether
 Concen: 48.261 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Tgt Ion: 74 Resp: 79717
 Ion Ratio Lower Upper
 74 100
 45 109.8 54.9 164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.801 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

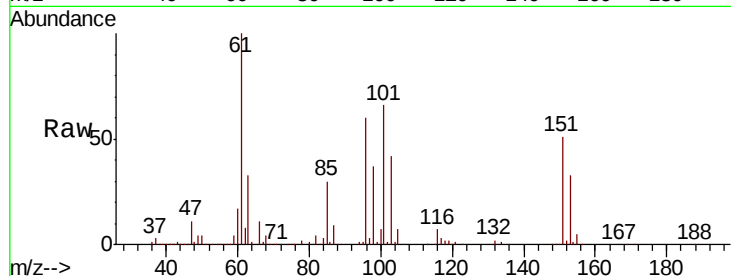
Tot Ion:101 Resp: 110389

Ion Ratio Lower Upper

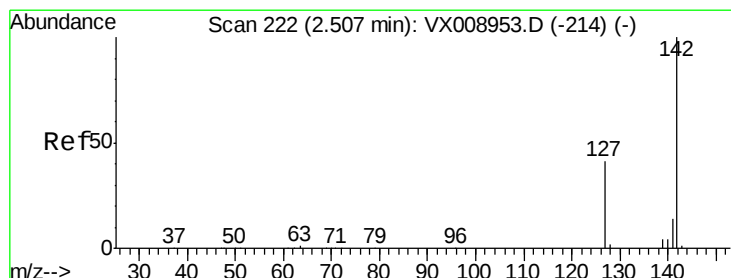
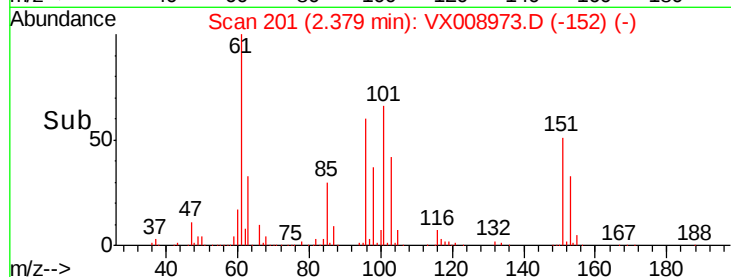
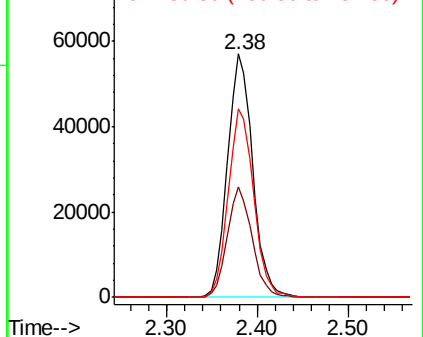
101 100

85 44.5 35.7 53.5

151 77.8 62.7 94.1



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: 49.235 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

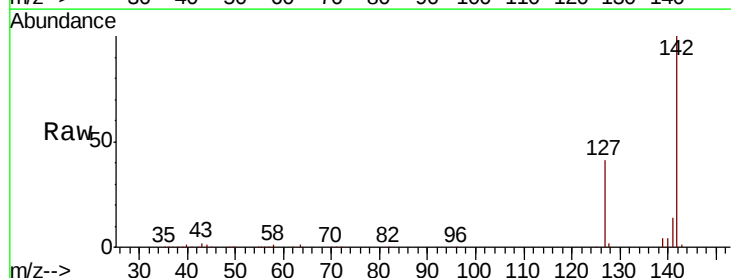
Tgt Ion:142 Resp: 124129

Ion Ratio Lower Upper

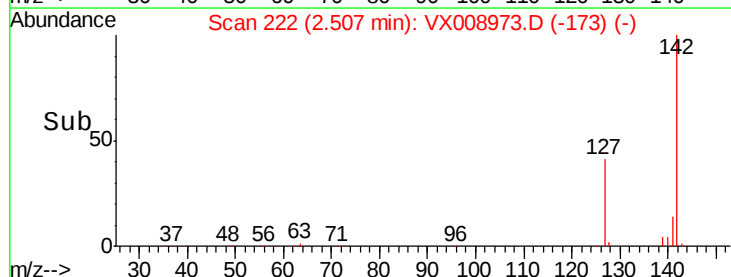
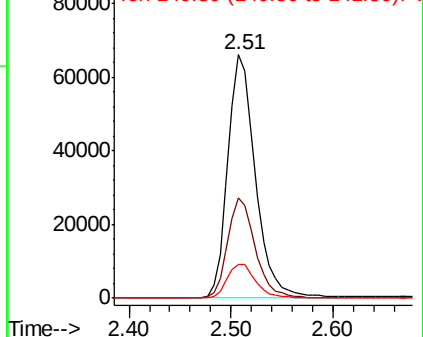
142 100

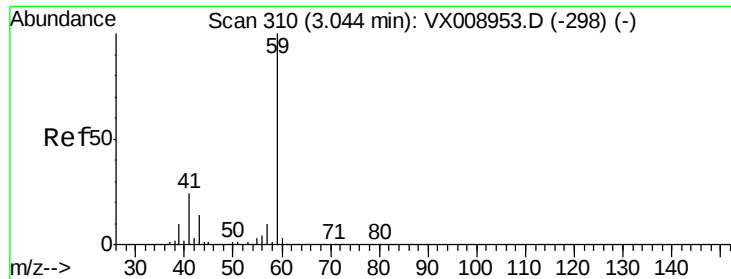
127 41.3 32.8 49.2

141 14.5 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

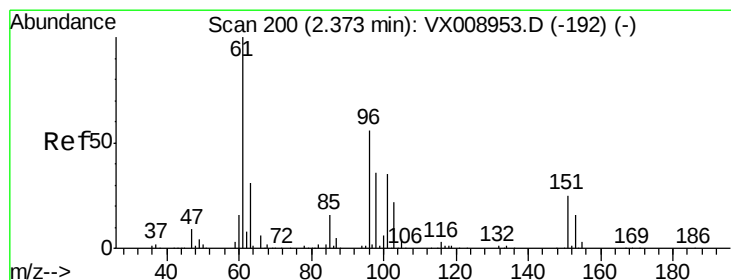
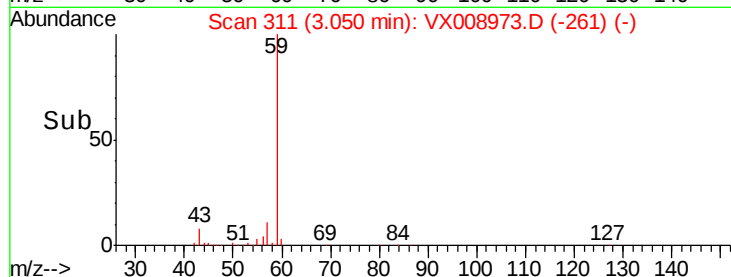
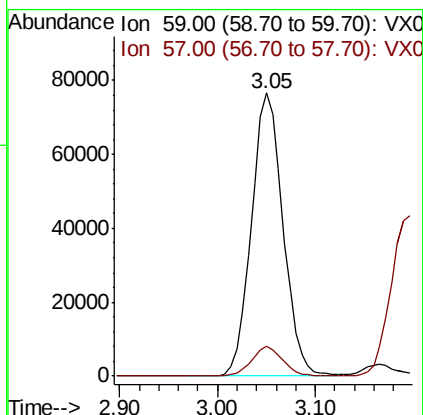
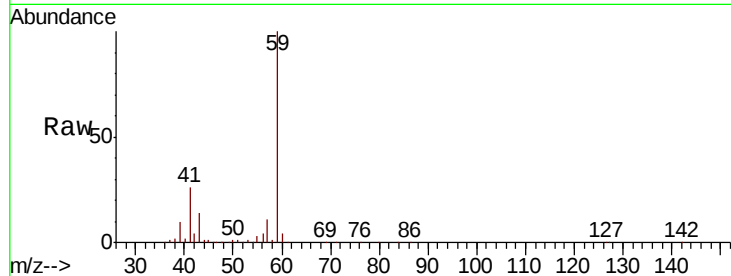




#11
Tert butyl alcohol
Concen: 244.228 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.01 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

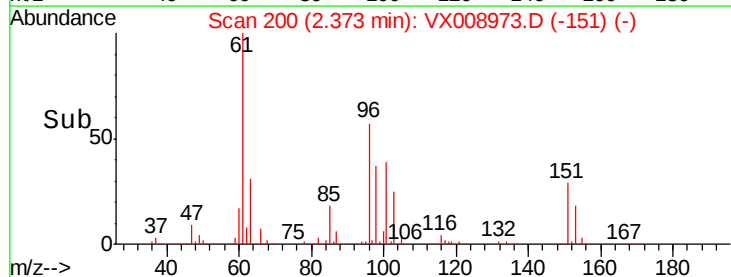
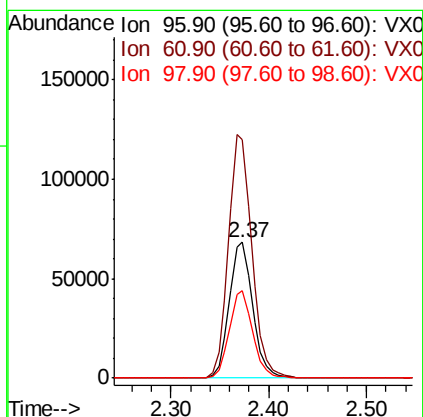
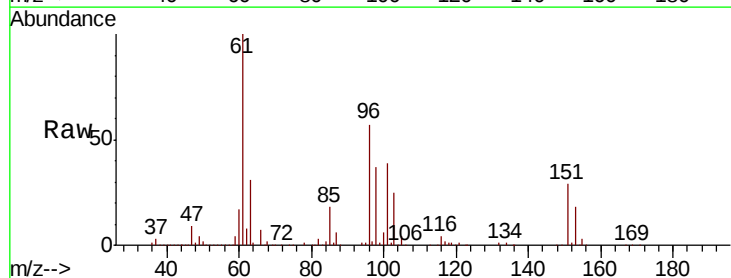
Instrument :
MSVOA_X
ClientSampleId :

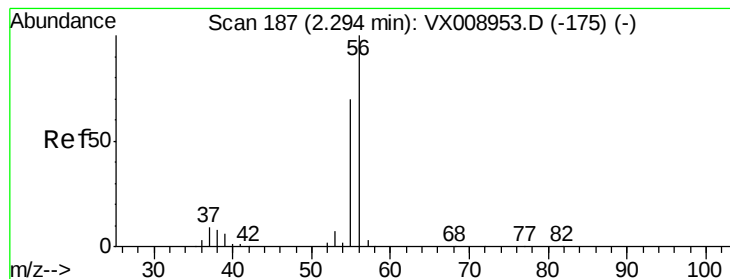
Tot Ion: 59 Resp: 171727
Ion Ratio Lower Upper
59 100
57 10.4 8.4 12.6



#12
1,1-Dichloroethene
Concen: 47.360 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Tgt Ion: 96 Resp: 114158
Ion Ratio Lower Upper
96 100
61 175.2 142.2 213.2
98 64.5 50.9 76.3





#13

Acrolein

Concen: 227.220 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

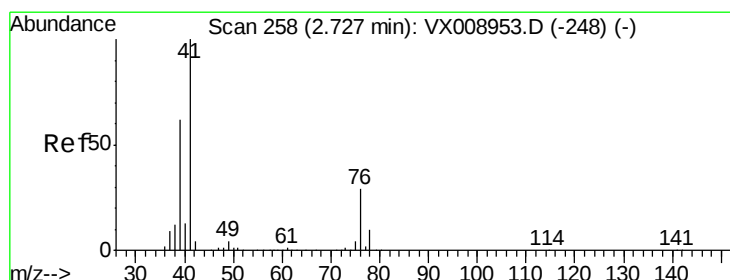
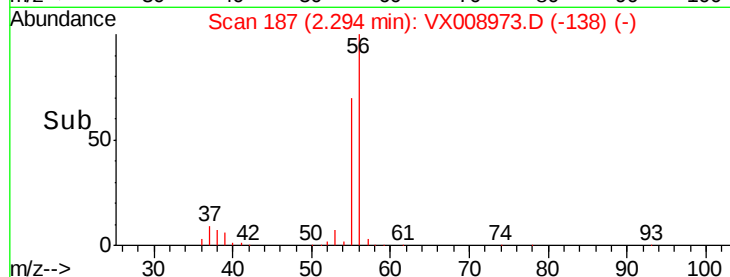
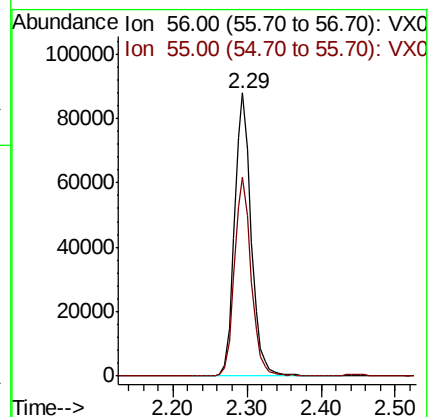
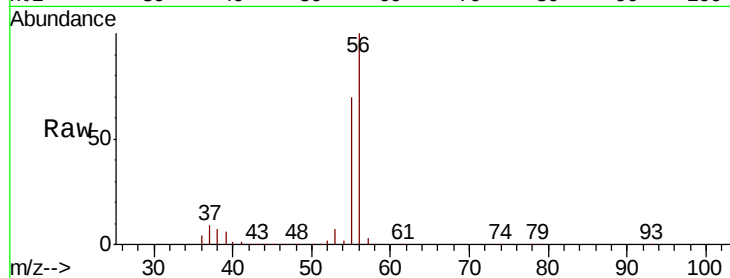
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 138046

Ion Ratio Lower Upper

56 100

55 70.6 56.6 84.8



#14

Allyl chloride

Concen: 50.261 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

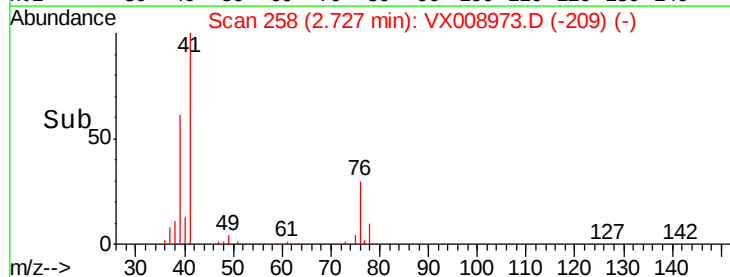
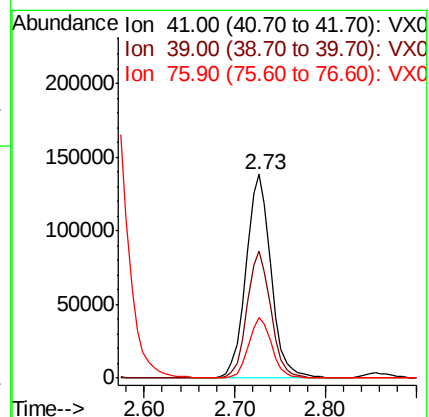
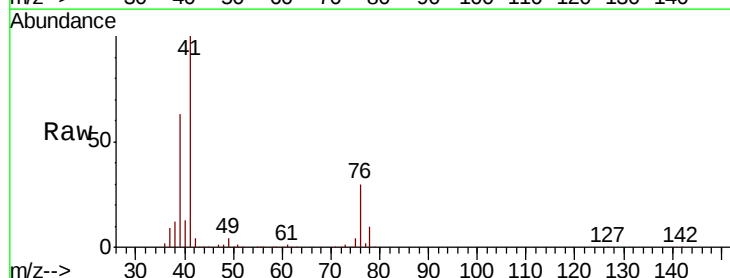
Tgt Ion: 41 Resp: 264313

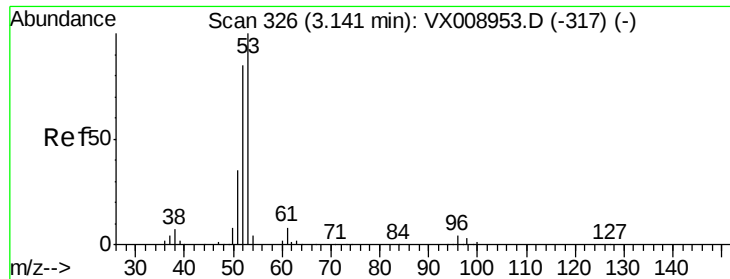
Ion Ratio Lower Upper

41 100

39 59.5 46.7 70.1

76 27.3 22.0 33.0





#15

Acrylonitrile

Concen: 246.340 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampled :

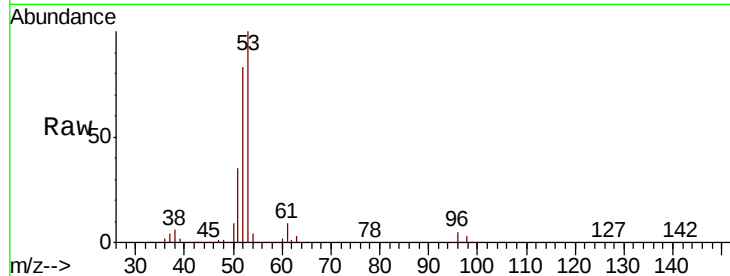
Tot Ion: 53 Resp: 439695

Ion Ratio Lower Upper

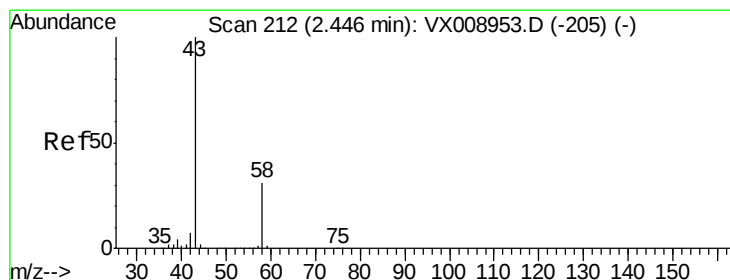
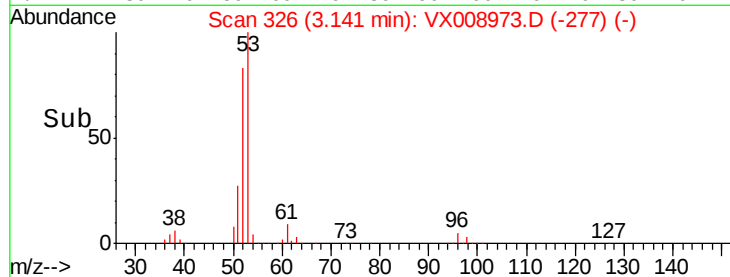
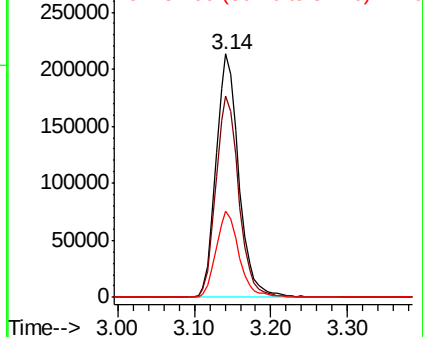
53 100

52 83.3 66.6 100.0

51 35.4 28.3 42.5



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: 233.546 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008973.D

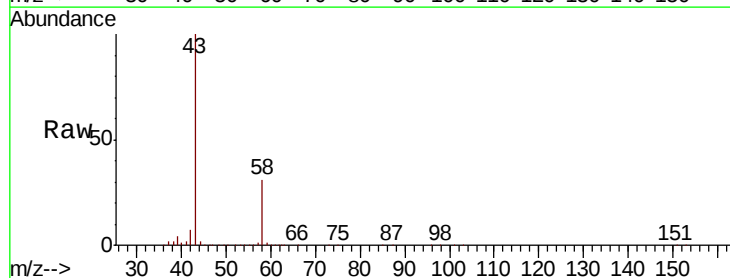
Acq: 15 Apr 2019 20:15

Tgt Ion: 43 Resp: 383644

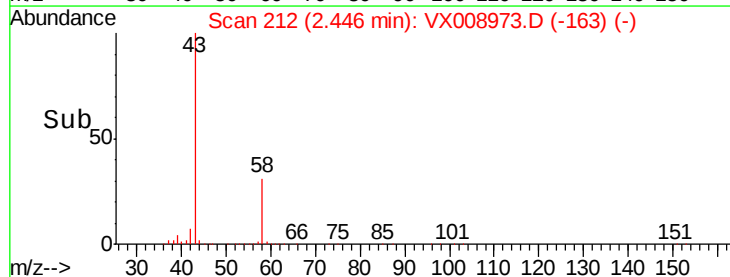
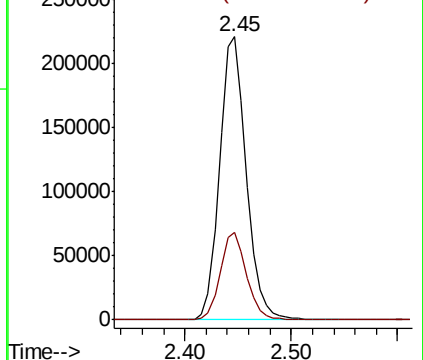
Ion Ratio Lower Upper

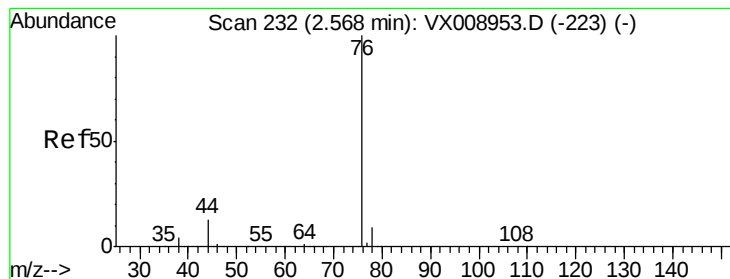
43 100

58 31.2 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: 47.937 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

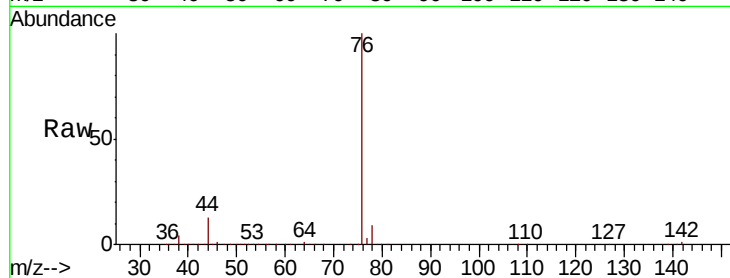
ClientSampleId :

Tot Ion: 76 Resp: 339174

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

200000

150000

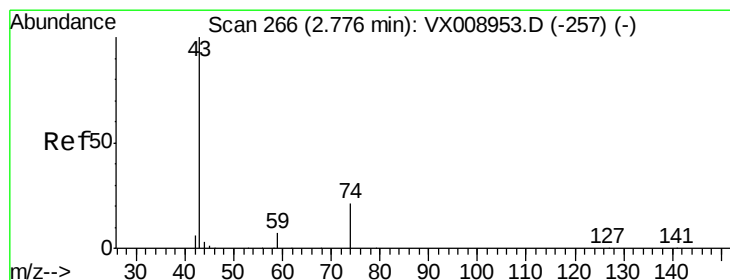
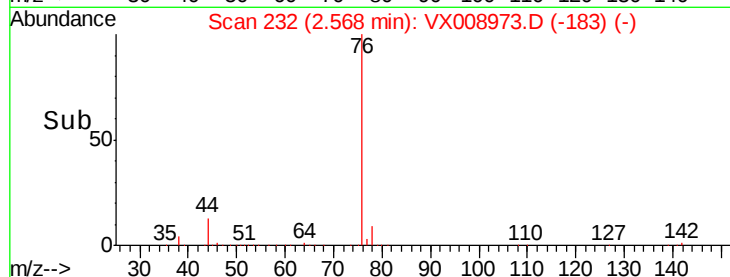
100000

50000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 47.435 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX008973.D

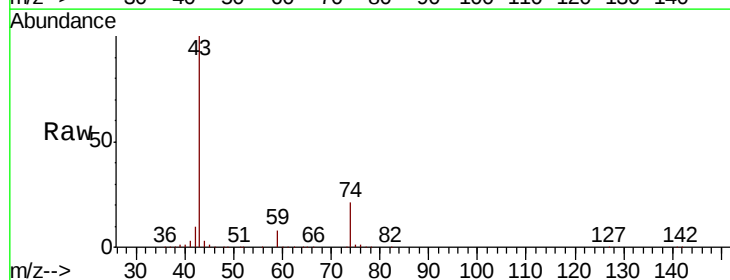
Acq: 15 Apr 2019 20:15

Tgt Ion: 43 Resp: 194472

Ion Ratio Lower Upper

43 100

74 20.7 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

120000

100000

80000

60000

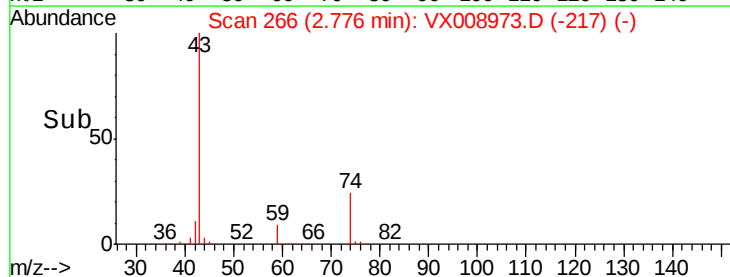
40000

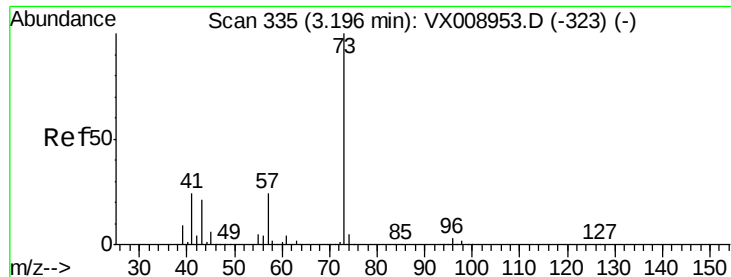
20000

0

Time-->

2.70 2.75 2.80 2.85

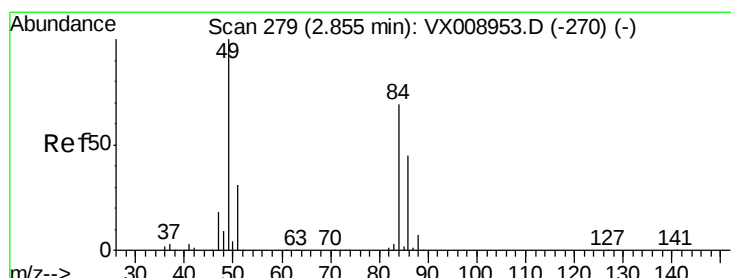
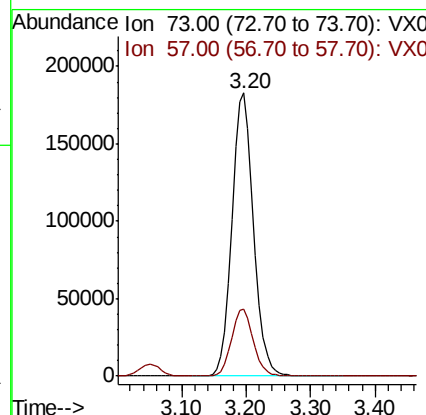
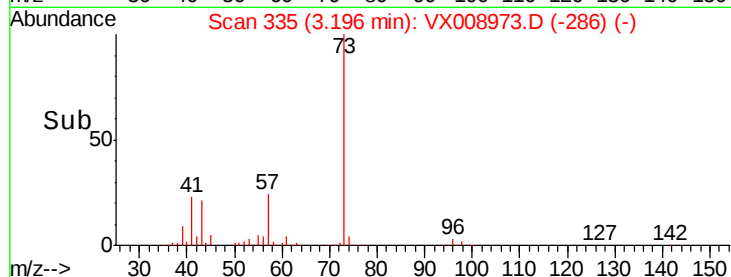
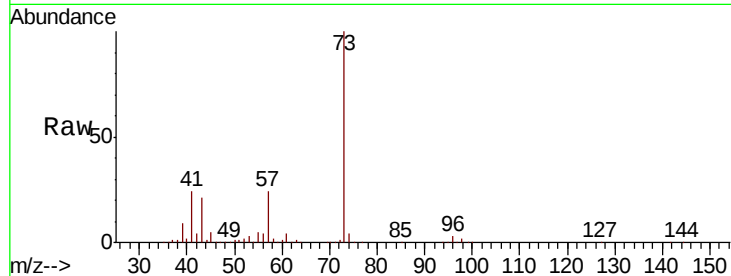




#19
Methvl tert-butvl Ether
Concen: 50.022 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

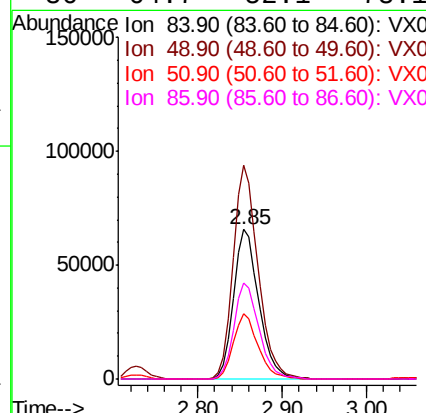
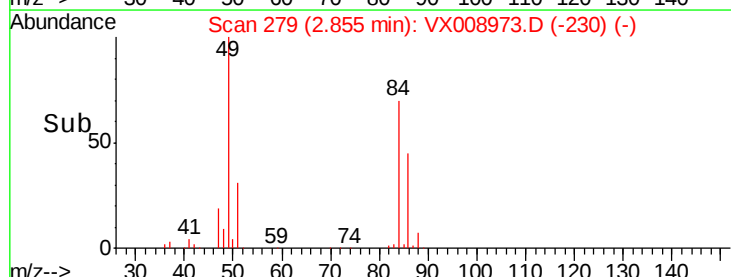
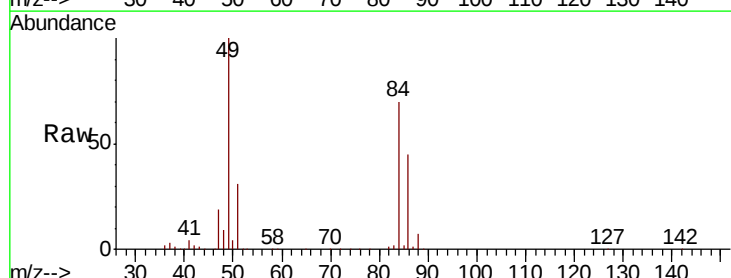
Instrument :
MSVOA_X
ClientSampleId :

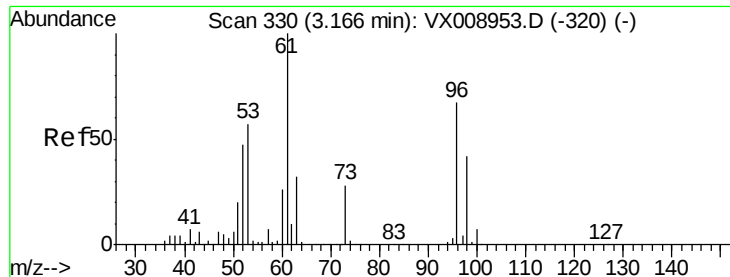
Tot Ion: 73 Resp: 429623
Ion Ratio Lower Upper
73 100
57 23.9 19.2 28.8



#20
Methylene Chloride
Concen: 47.509 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Tgt Ion: 84 Resp: 133462
Ion Ratio Lower Upper
84 100
49 143.0 115.4 173.0
51 43.7 35.8 53.6
86 64.7 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 47.809 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

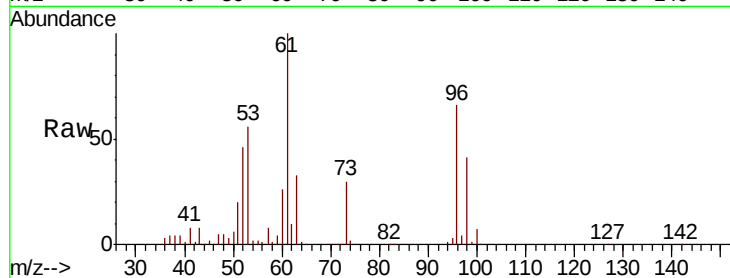
Tot Ion: 96 Resp: 122916

Ion Ratio Lower Upper

96 100

61 152.6 120.3 180.5

98 62.2 50.2 75.2

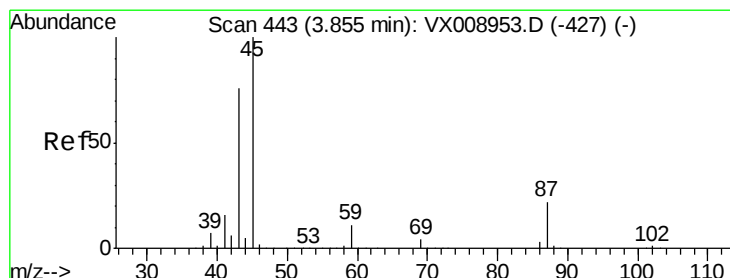
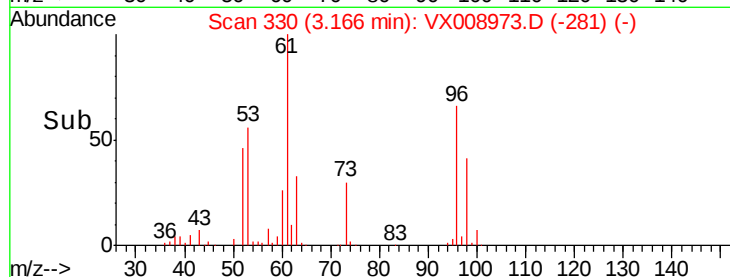
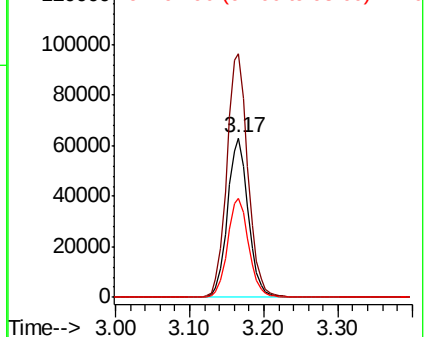


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 50.264 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Tgt Ion: 45 Resp: 513641

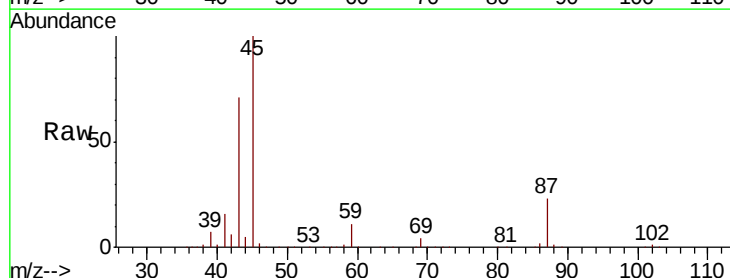
Ion Ratio Lower Upper

45 100

43 70.7 60.6 91.0

87 23.0 17.8 26.8

59 10.9 8.7 13.1



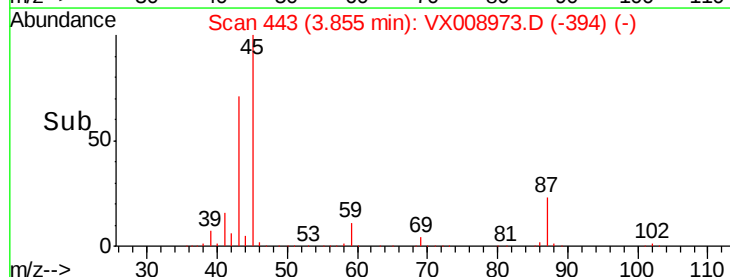
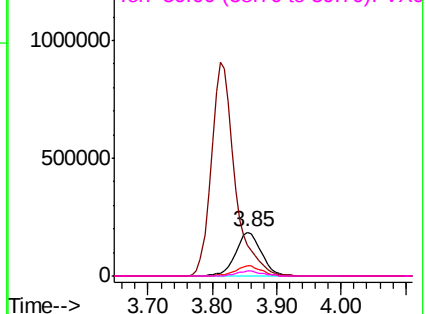
Abundance

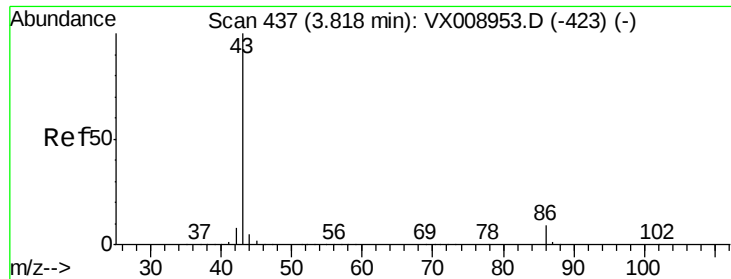
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 258.338 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

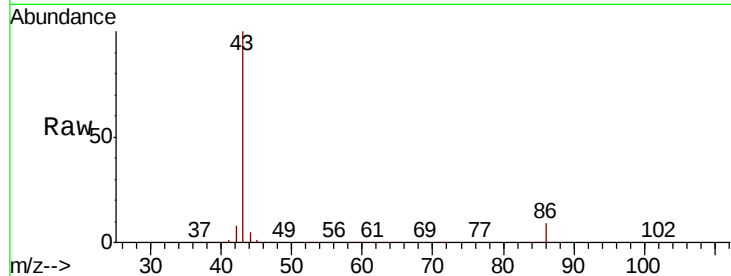
ClientSampleId :

Tot Ion: 43 Resp: 2320581

Ion Ratio Lower Upper

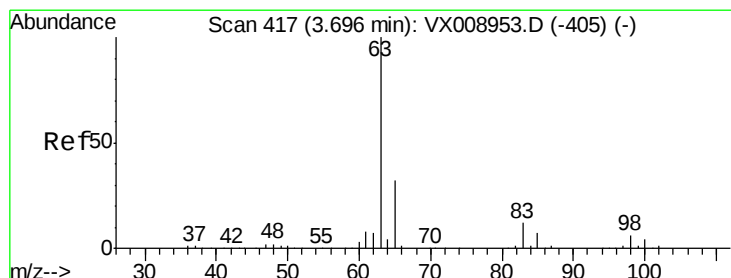
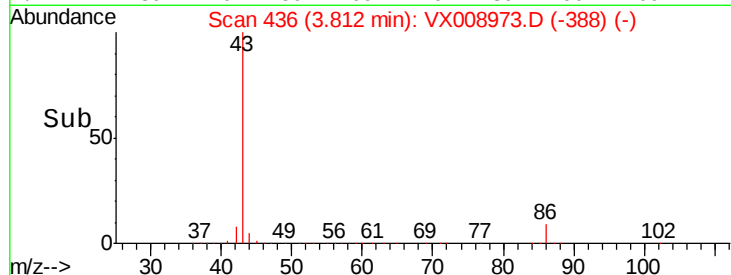
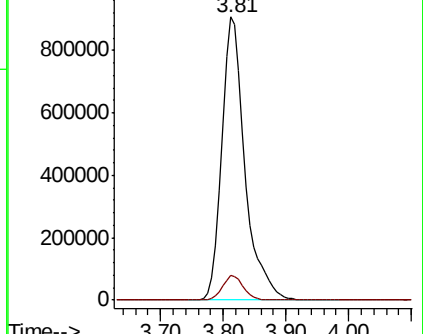
43 100

86 8.6 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 49.092 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

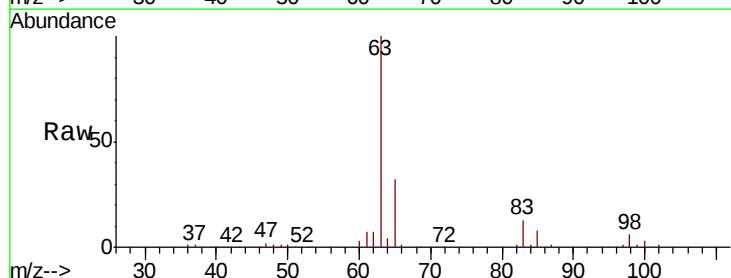
Tgt Ion: 63 Resp: 251824

Ion Ratio Lower Upper

63 100

98 5.6 3.1 9.3

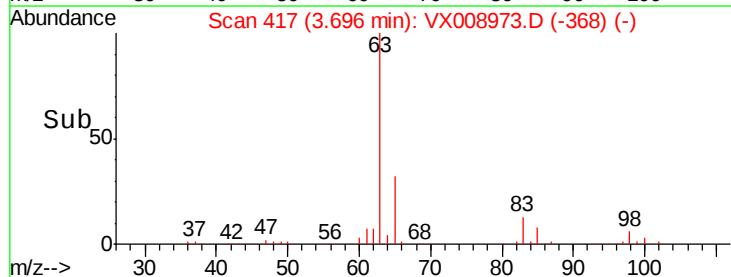
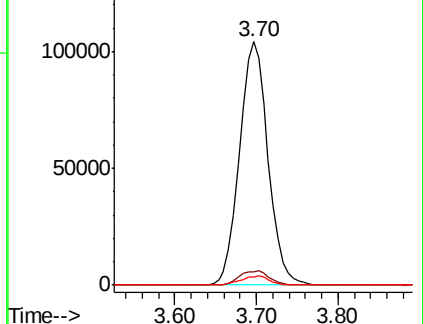
100 3.5 1.9 5.7

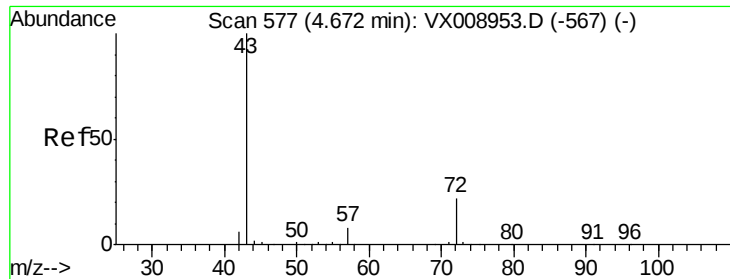


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 250.951 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

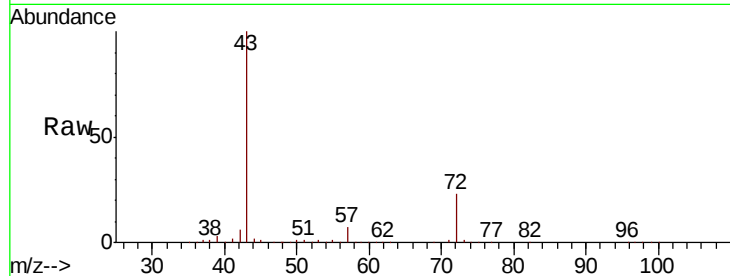
ClientSampled :

Tot Ion: 43 Resp: 658929

Ion Ratio Lower Upper

43 100

72 22.5 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

100000

50000

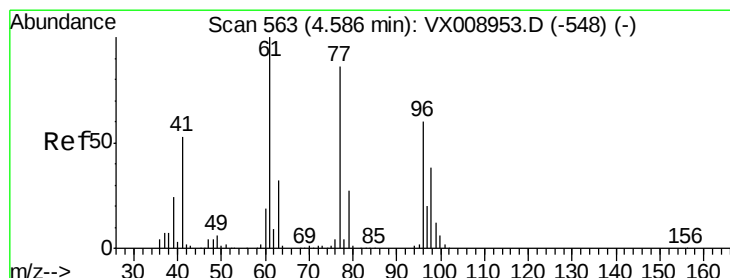
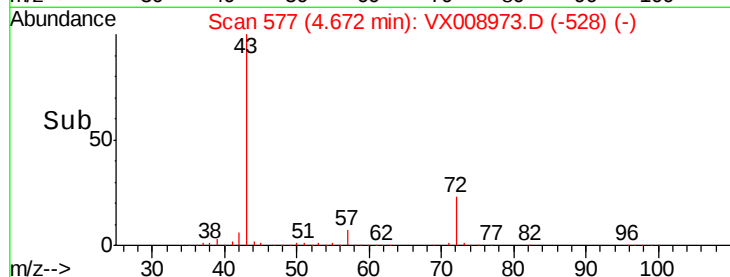
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 46.009 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008973.D

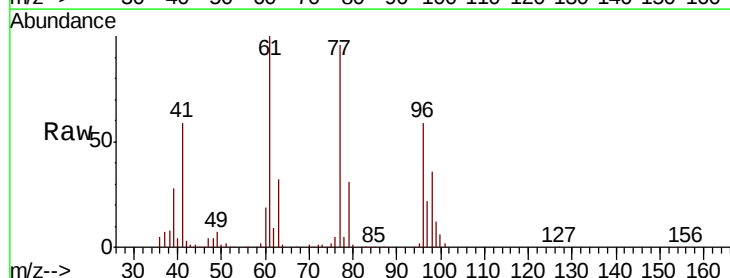
Acq: 15 Apr 2019 20:15

Tgt Ion: 77 Resp: 176910

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

40000

20000

0

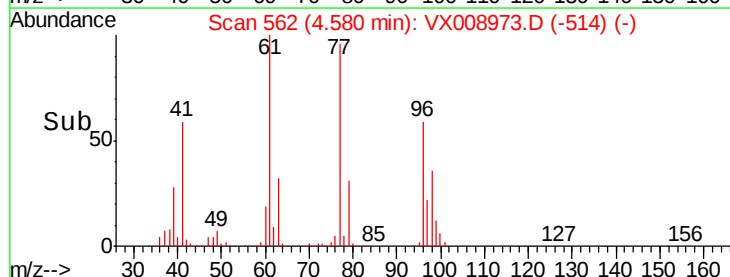
4.40

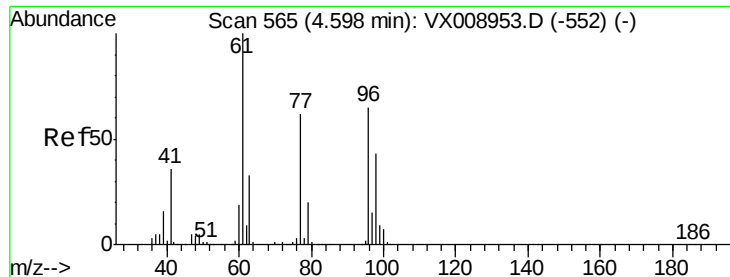
4.50

4.60

4.70

Time-->



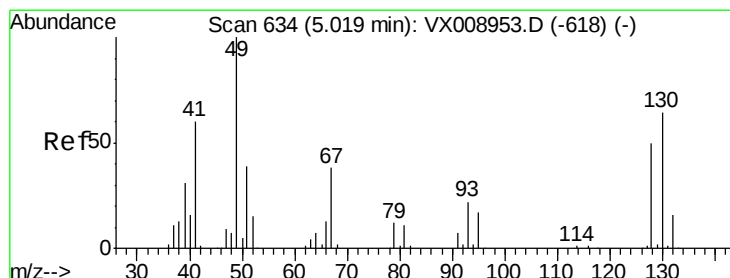
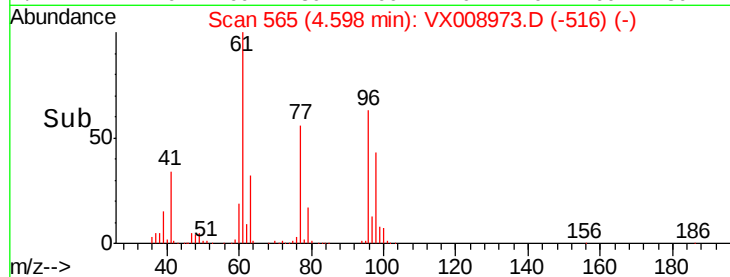
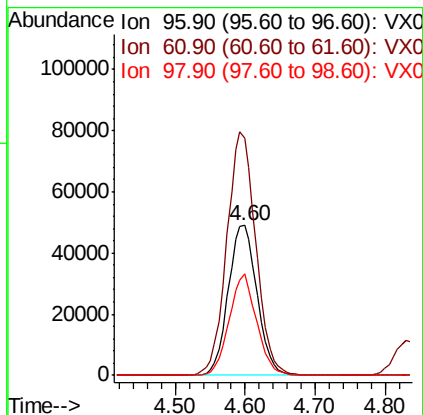
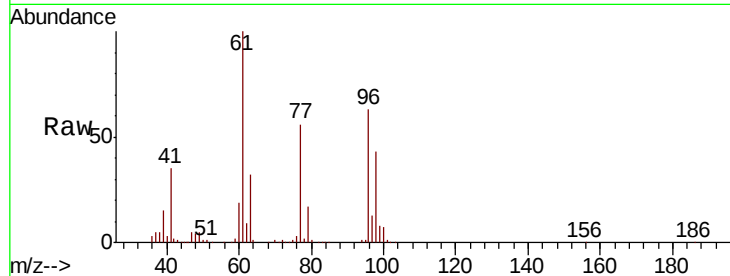


#27

cis-1,2-Dichloroethene
Concen: 48.166 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :

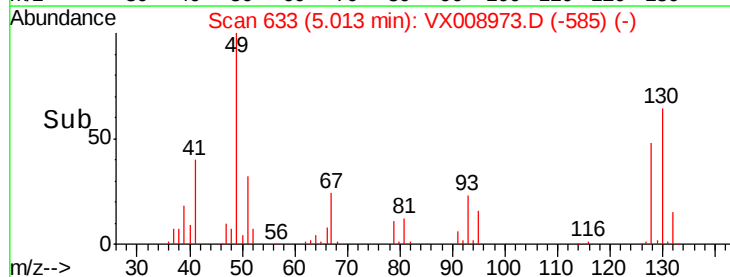
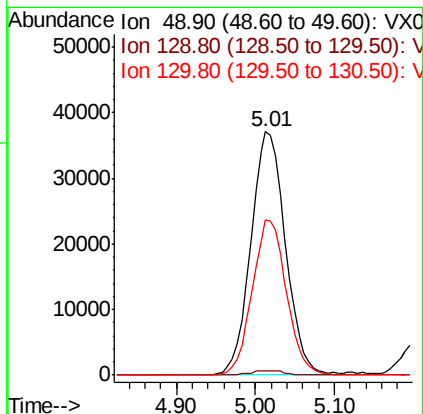
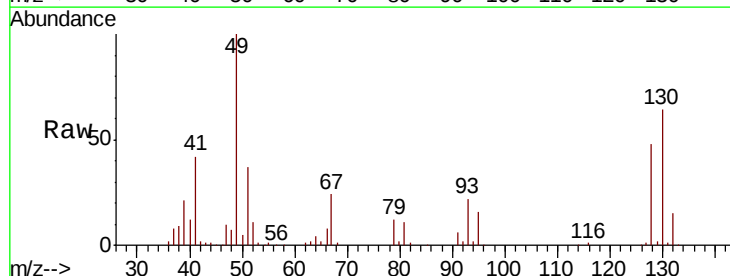
Tot Ion: 96 Resp: 140599
Ion Ratio Lower Upper
96 100
61 163.5 0.0 322.0
98 64.1 0.0 128.4

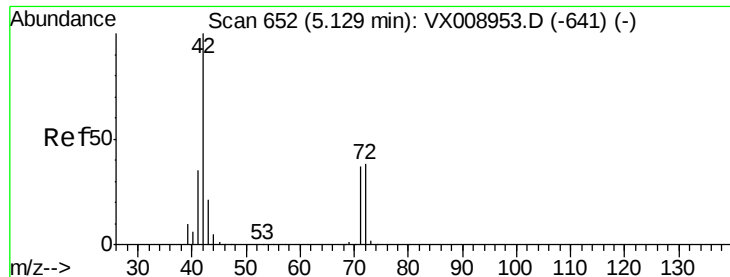


#28

Bromochloromethane
Concen: 53.132 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Tgt Ion: 49 Resp: 112948
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.6
130 63.0 50.4 75.6





#29

Tetrahydrofuran

Concen: 247.172 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

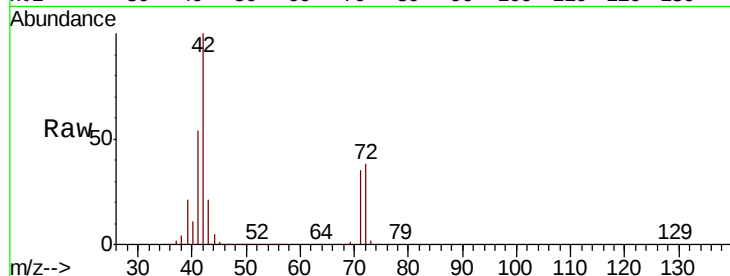
Tot Ion: 42 Resp: 434393

Ion Ratio Lower Upper

42 100

72 37.7 30.6 45.8

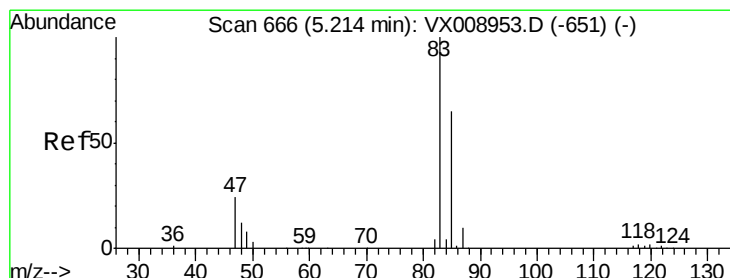
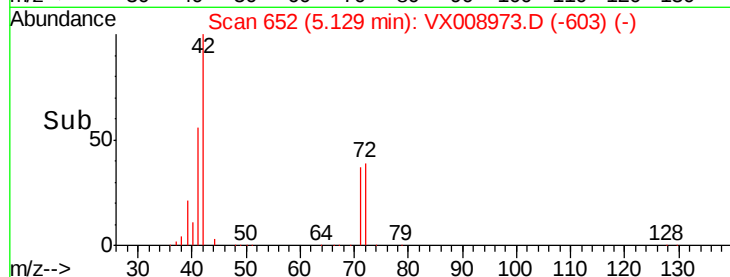
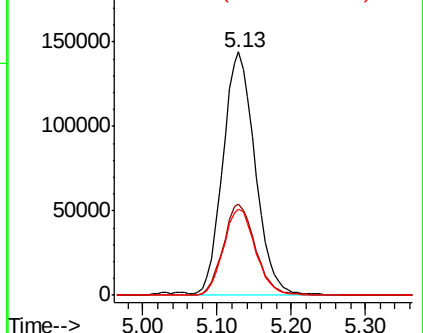
71 35.4 28.8 43.2



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



#30

Chloroform

Concen: 49.076 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX008973.D

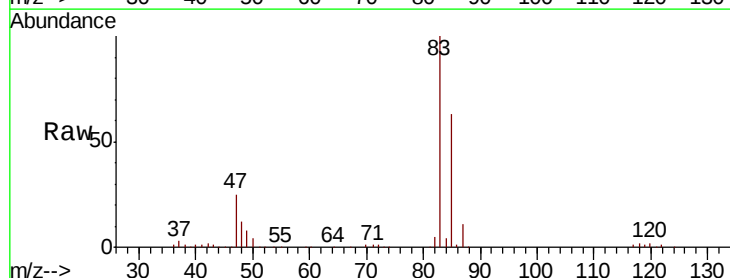
Acq: 15 Apr 2019 20:15

Tgt Ion: 83 Resp: 225272

Ion Ratio Lower Upper

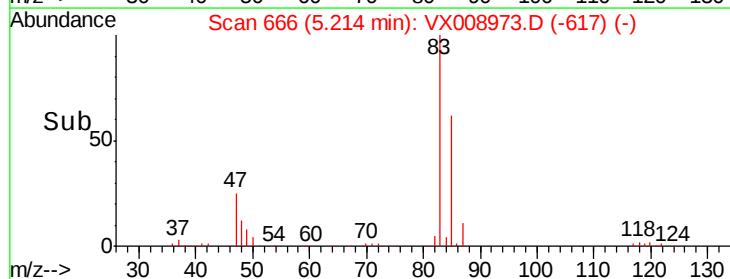
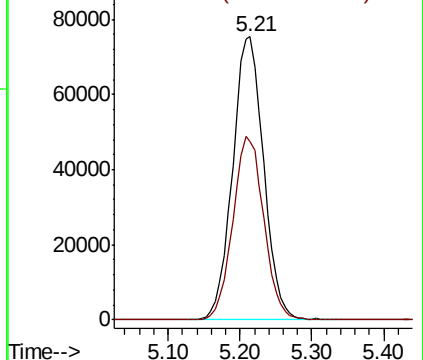
83 100

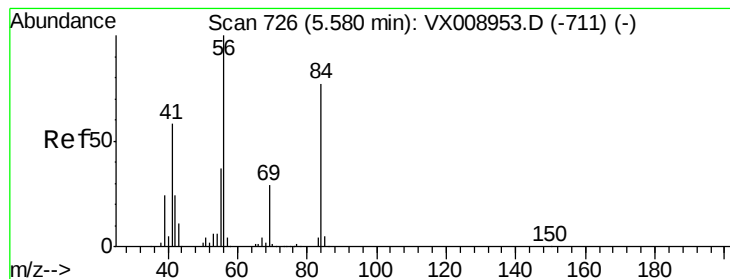
85 63.0 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 49.560 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

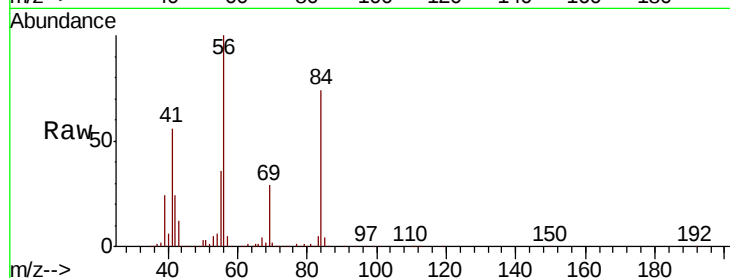
Tot Ion: 56 Resp: 250047

Ion Ratio Lower Upper

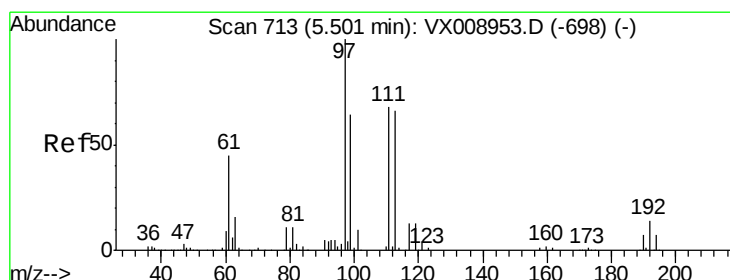
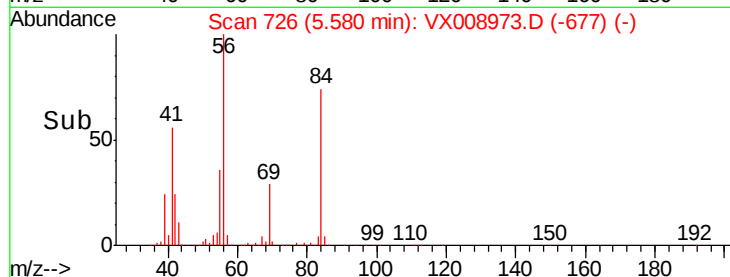
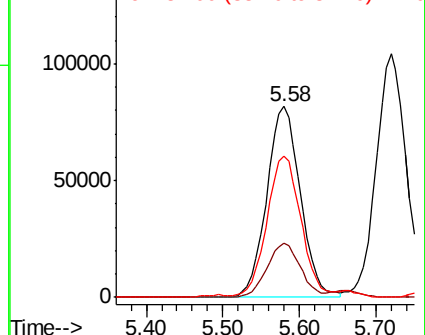
56 100

69 28.5 23.3 34.9

84 73.9 61.7 92.5



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 49.628 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

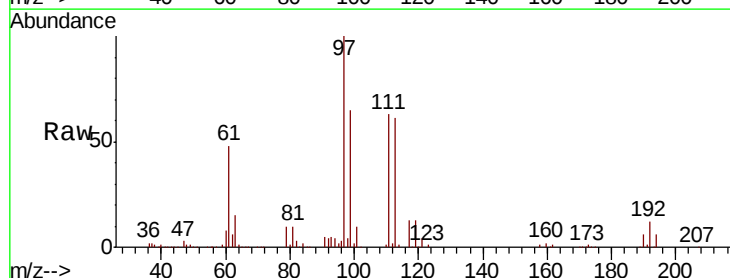
Tgt Ion: 97 Resp: 188807

Ion Ratio Lower Upper

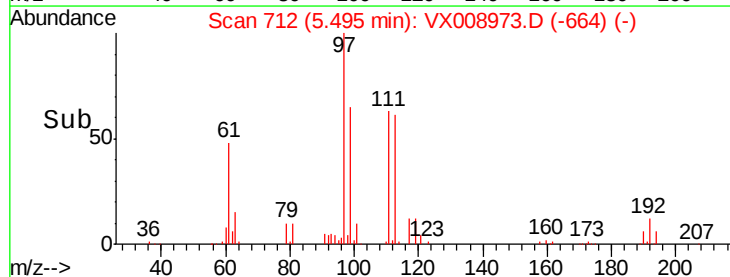
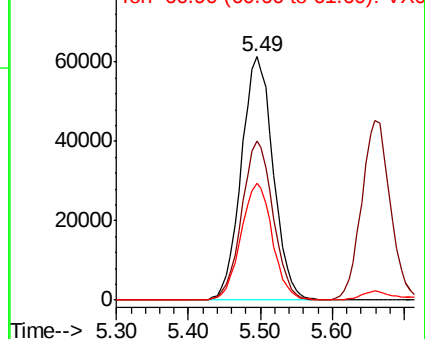
97 100

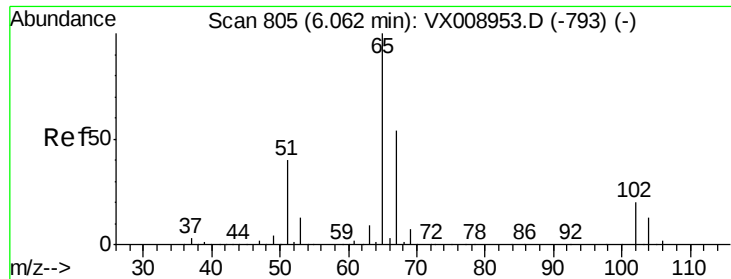
99 64.3 51.6 77.4

61 47.4 37.9 56.9



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

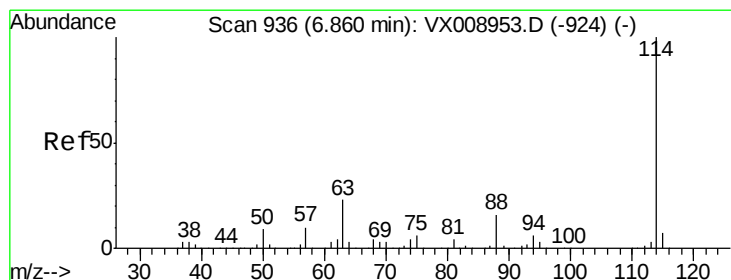
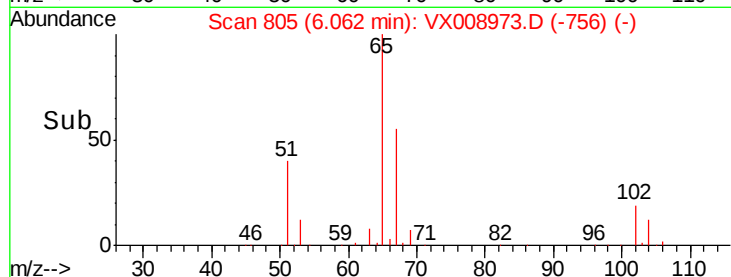
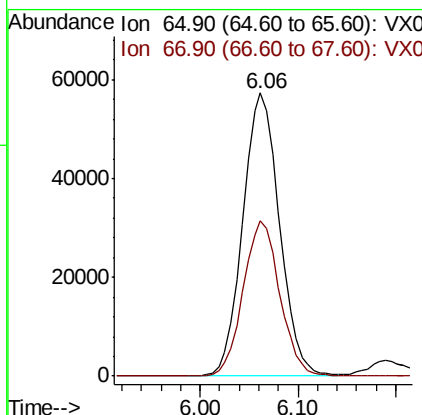
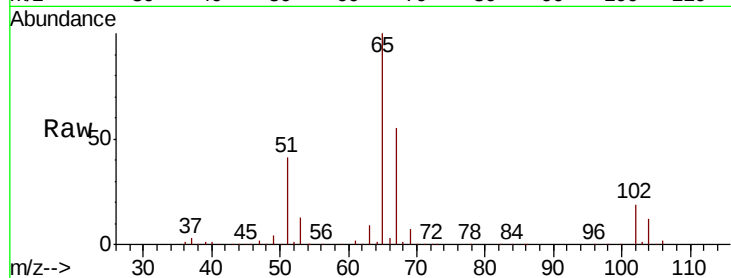




#33
 1,2-Dichloroethane-d4
 Concen: 47.117 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

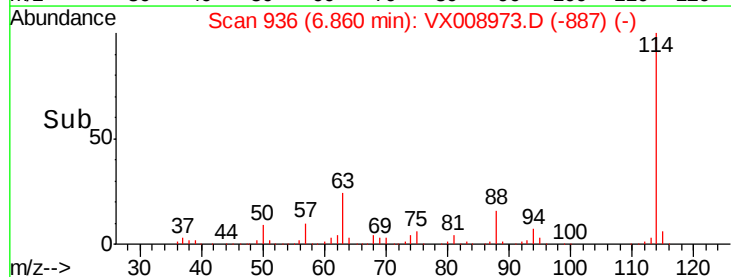
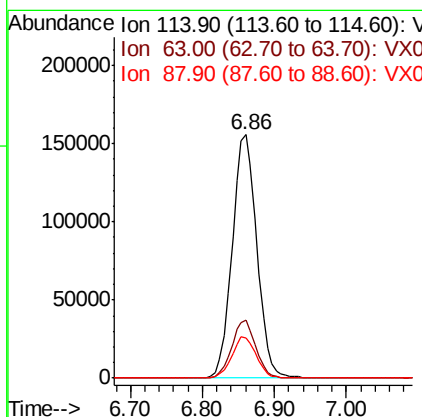
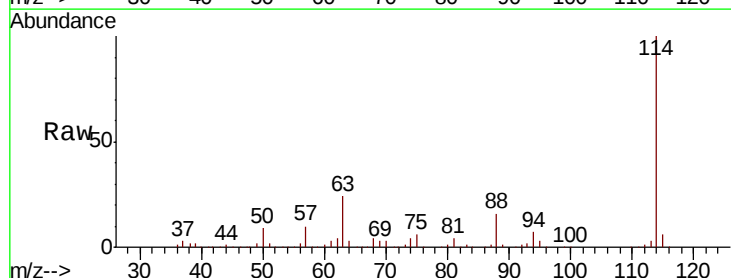
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 65 Resp: 149251
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Tgt Ion: 114 Resp: 369424
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 46.0
 88 16.4 0.0 32.6

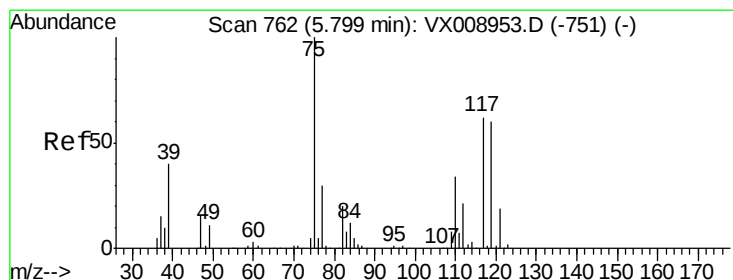
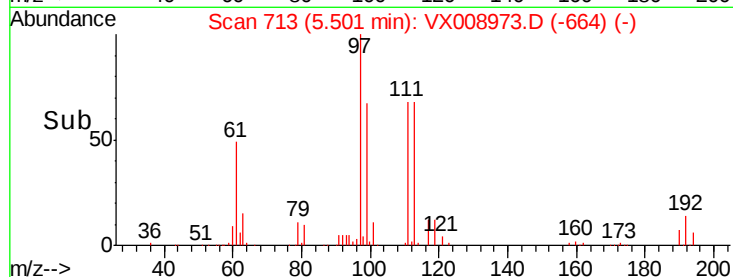
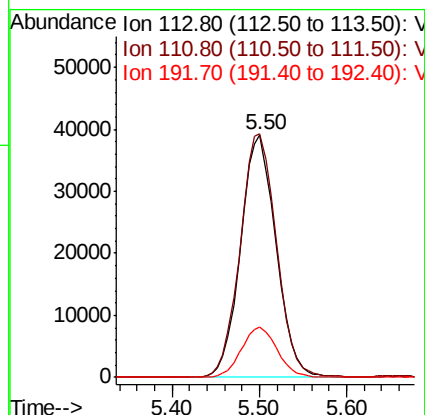
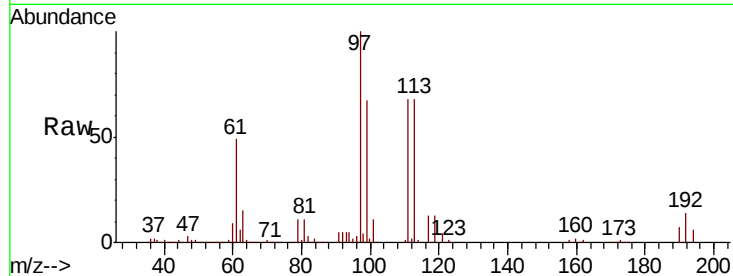




#35
 Dibromofluoromethane
 Concen: 46.406 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

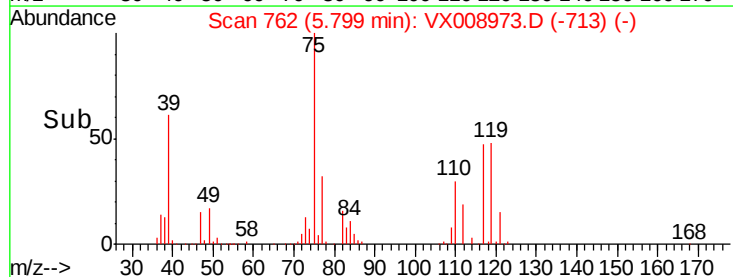
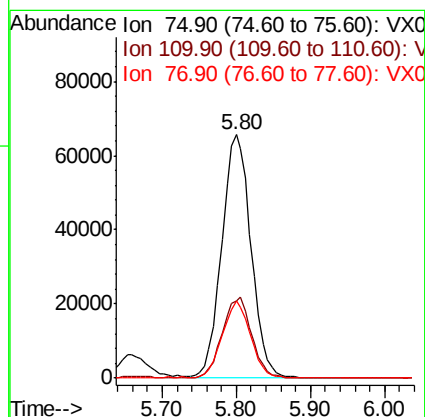
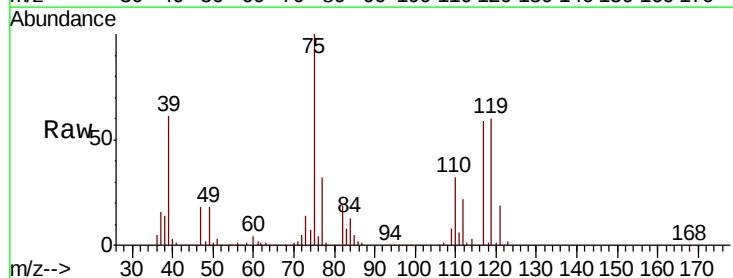
Instrument :
 MSVOA_X
 ClientSampled :

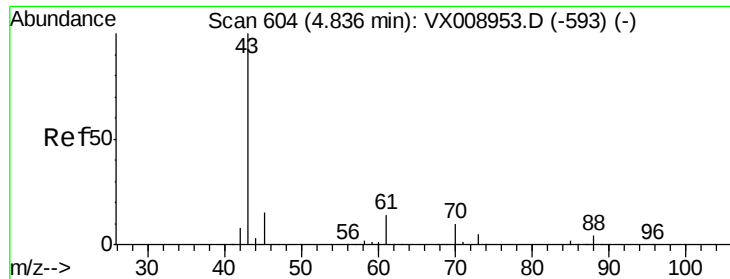
Tot Ion:113 Resp: 110023
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.9 124.3
 192 21.0 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 46.744 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Tgt Ion: 75 Resp: 178593
 Ion Ratio Lower Upper
 75 100
 110 33.5 16.9 50.7
 77 30.9 25.0 37.4





#37

Ethyl Acetate

Concen: 50.432 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

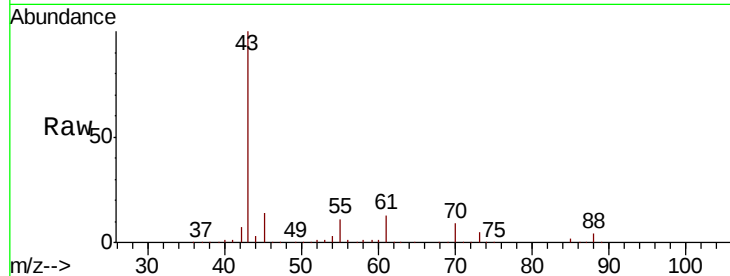
Tot Ion: 43 Resp: 247939

Ion Ratio Lower Upper

43 100

61 13.2 10.6 15.8

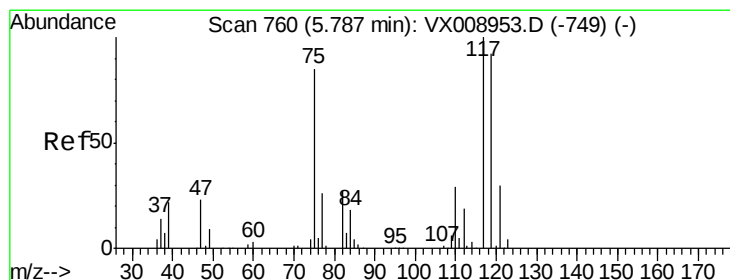
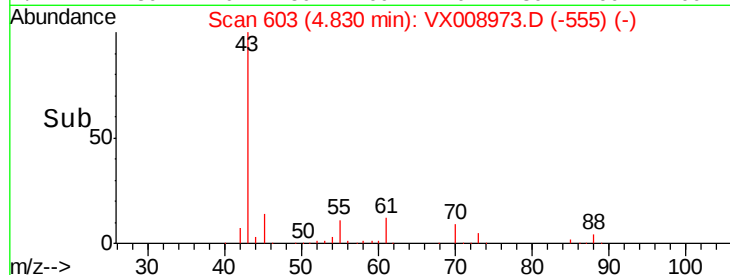
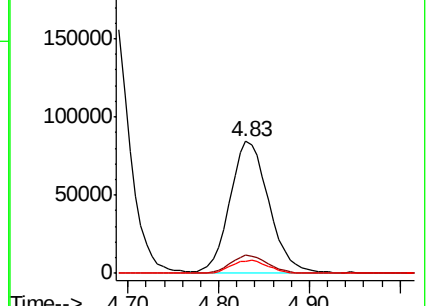
70 9.5 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VX008953.D (-593) (-)

Ion 60.90 (60.60 to 61.60): VX008953.D (-593) (-)

Ion 70.00 (69.70 to 70.70): VX008953.D (-593) (-)



#38

Carbon Tetrachloride

Concen: 48.379 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

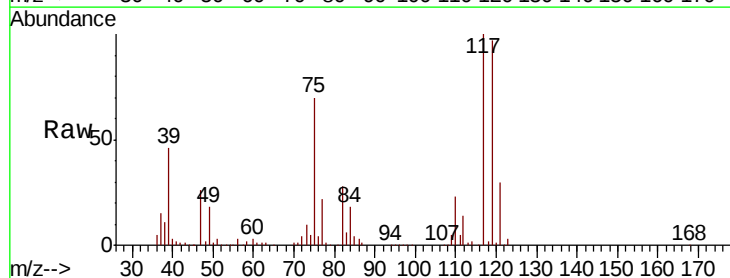
Tgt Ion: 117 Resp: 156699

Ion Ratio Lower Upper

117 100

119 97.2 73.8 110.8

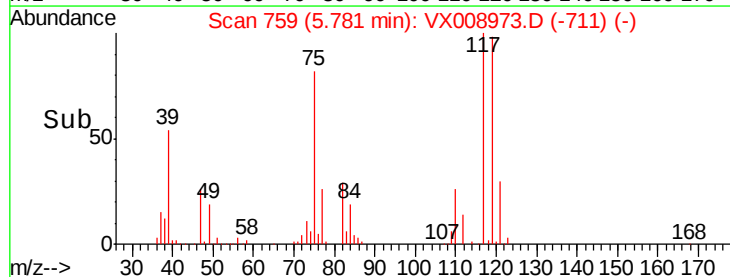
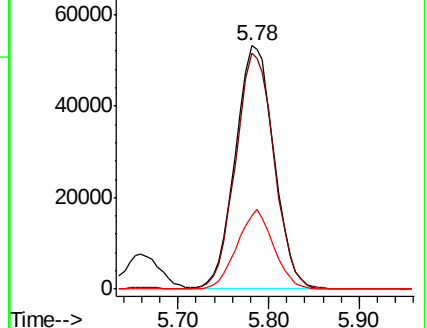
121 30.4 23.6 35.4



Abundance Ion 116.80 (116.50 to 117.50): VX008953.D (-749) (-)

Ion 118.80 (118.50 to 119.50): VX008953.D (-749) (-)

Ion 120.80 (120.50 to 121.50): VX008953.D (-749) (-)

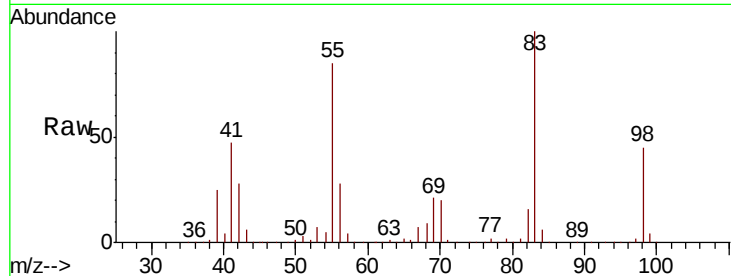




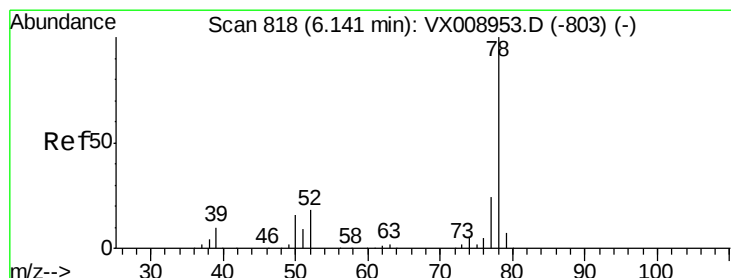
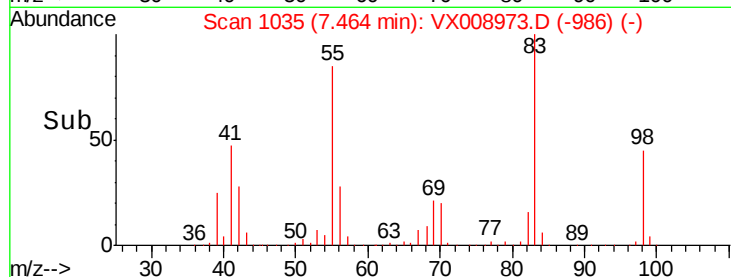
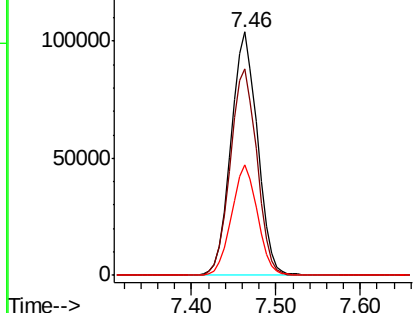
#39
Methvlcvclohexane
Concen: 47.405 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 83 Resp: 220520
Ion Ratio Lower Upper
83 100
55 85.0 67.1 100.7
98 45.2 35.1 52.7

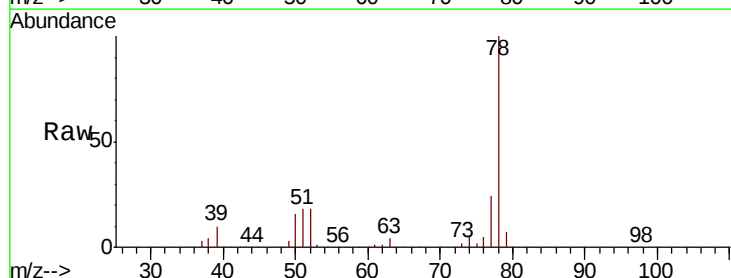


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

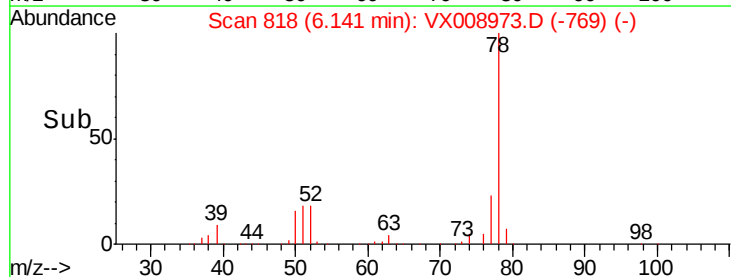
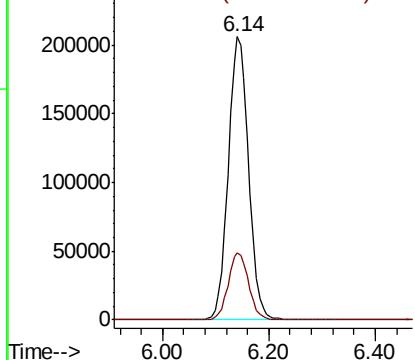


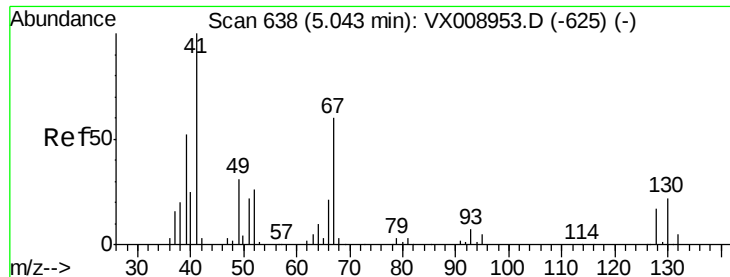
#40
Benzene
Concen: 48.677 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Tgt Ion: 78 Resp: 548649
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 50.004 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 41 Resp: 141091

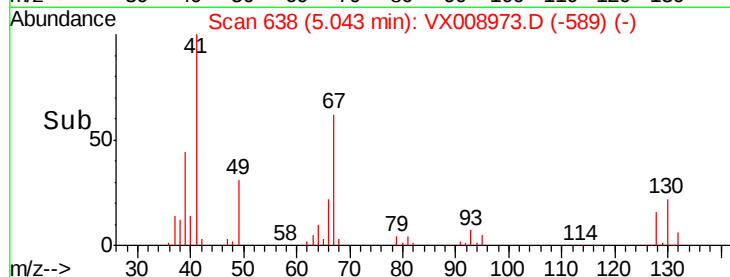
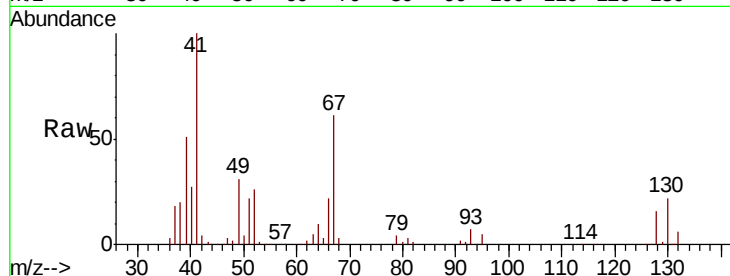
Ion Ratio Lower Upper

41 100

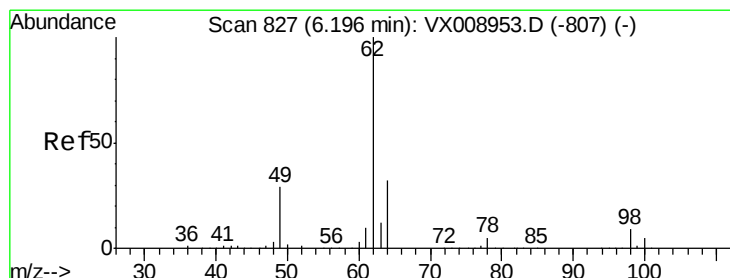
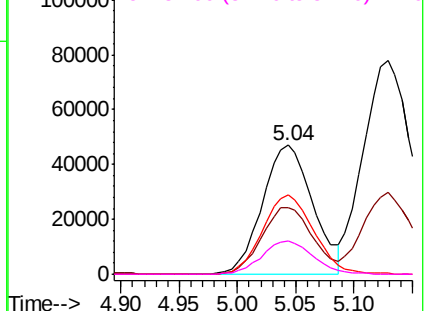
39 52.5 41.8 62.6

67 62.8 50.2 75.4

52 25.8 21.1 31.7



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 48.275 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX008973.D

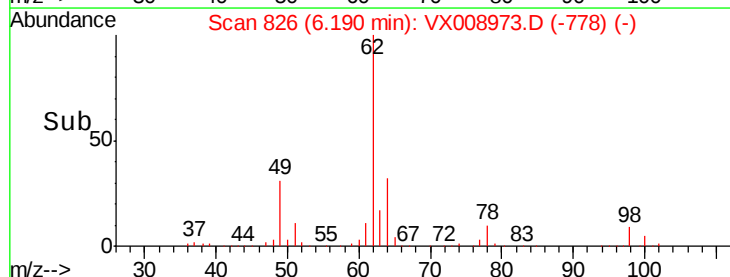
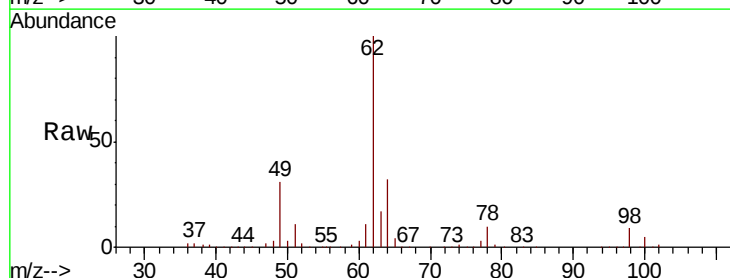
Acq: 15 Apr 2019 20:15

Tgt Ion: 62 Resp: 192745

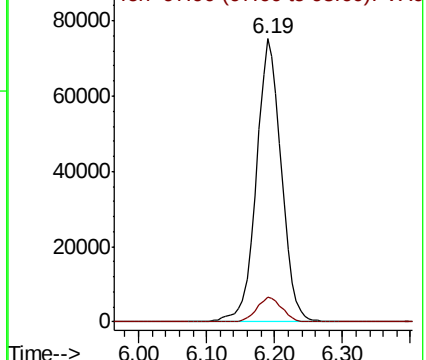
Ion Ratio Lower Upper

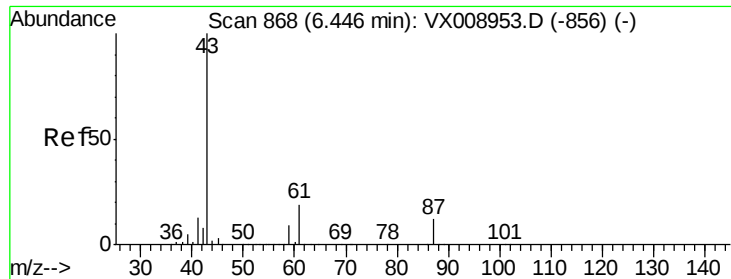
62 100

98 8.8 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



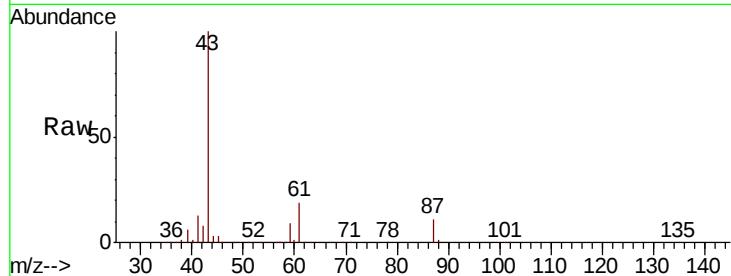


#43

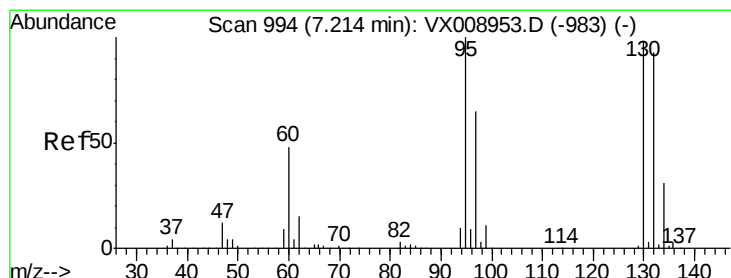
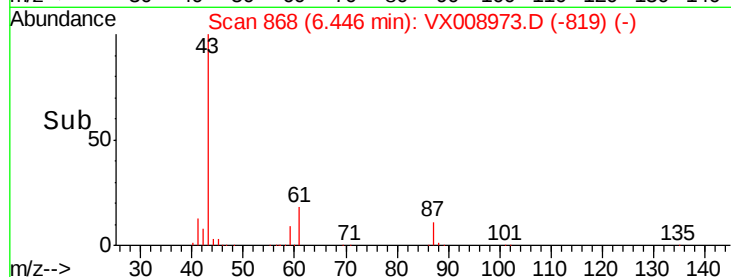
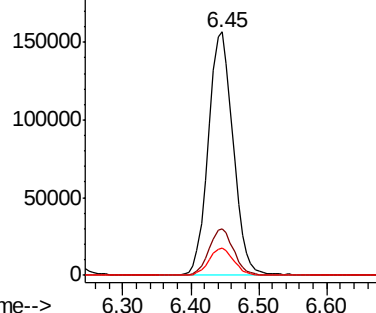
Isopropyl Acetate
 Concen: 49.936 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	43	Resp	395625
Ion Ratio	100	Lower	Upper
61	18.9	15.4	23.0
87	11.4	9.0	13.4



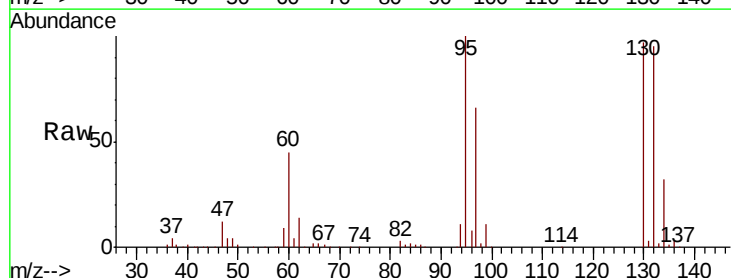
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



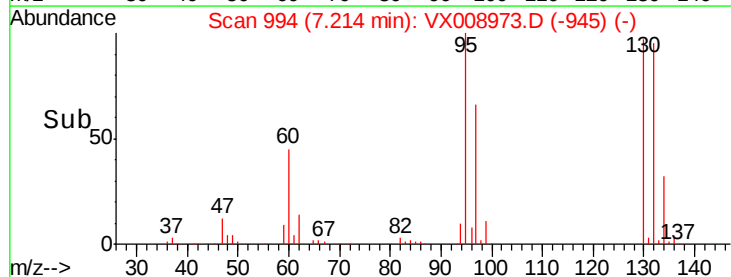
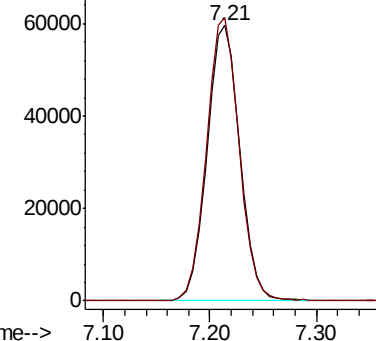
#44

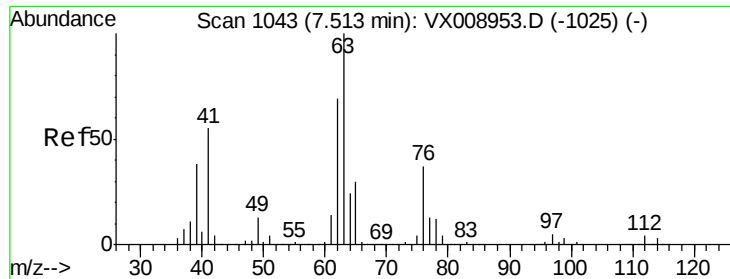
Trichloroethene
 Concen: 46.690 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Tgt Ion	130	Resp	128943
Ion Ratio	100	Lower	Upper
95	102.7	0.0	203.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 49.606 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

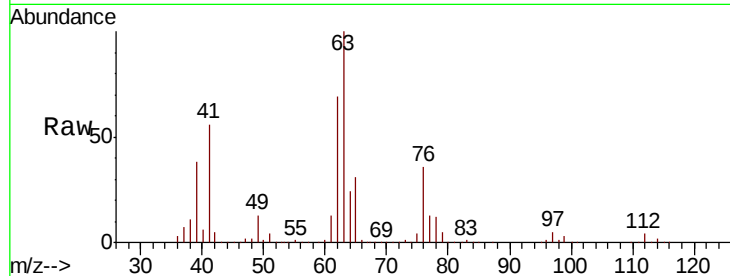
ClientSampleId :

Tot Ion: 63 Resp: 155114

Ion Ratio Lower Upper

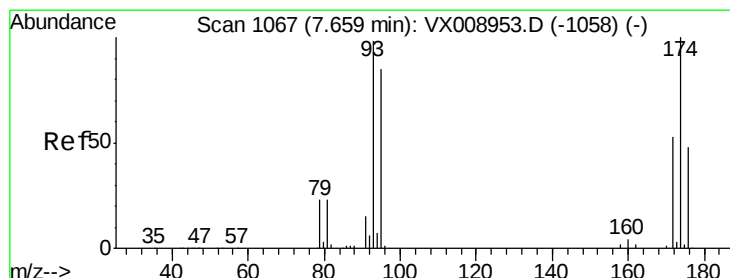
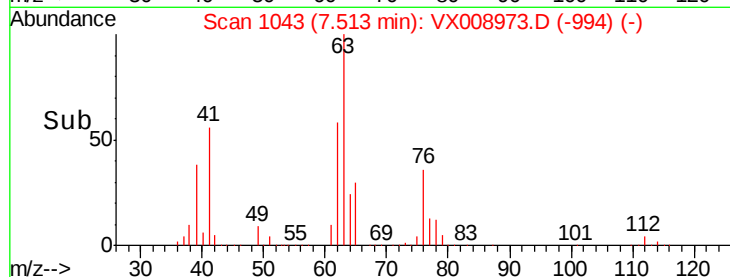
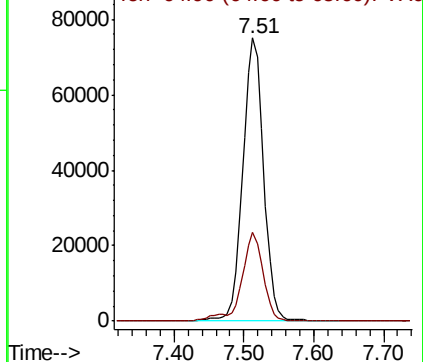
63 100

65 31.4 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 48.039 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

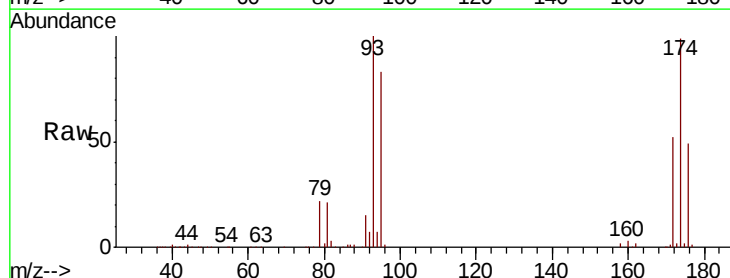
Tgt Ion: 93 Resp: 87421

Ion Ratio Lower Upper

93 100

95 83.3 67.0 100.4

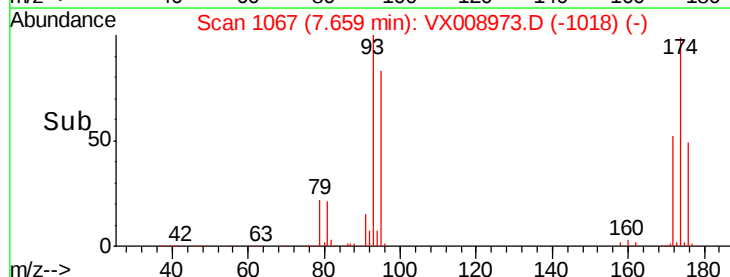
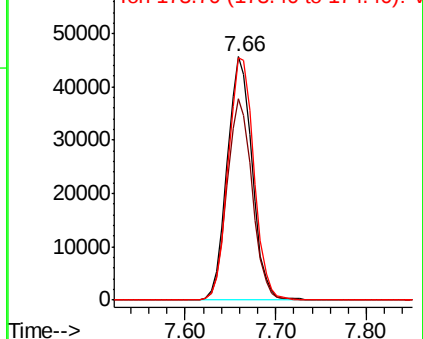
174 102.0 81.6 122.4

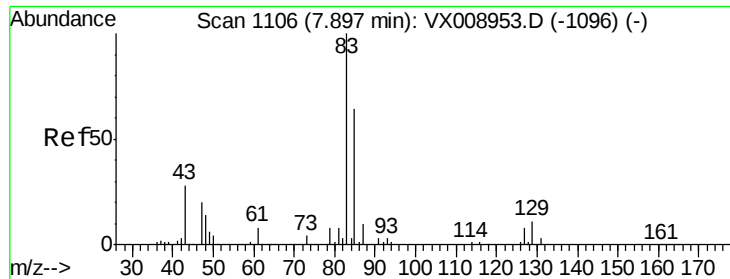


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.183 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampled :

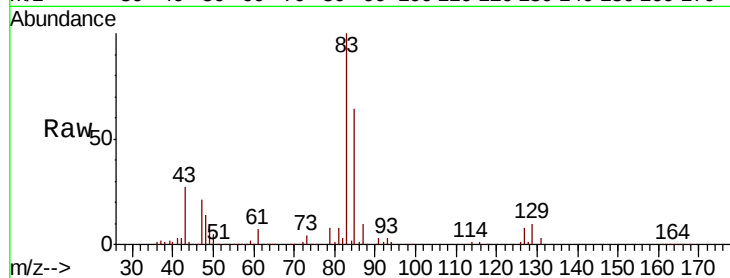
Tot Ion: 83 Resp: 175546

Ion Ratio Lower Upper

83 100

85 63.5 50.8 76.2

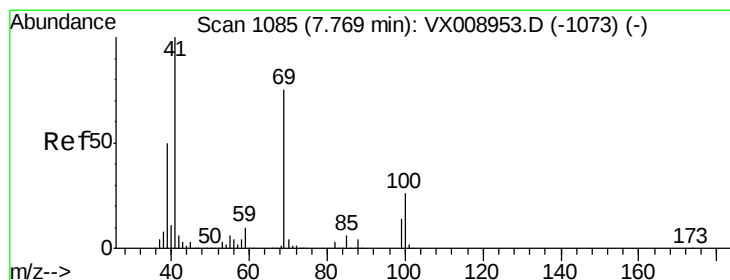
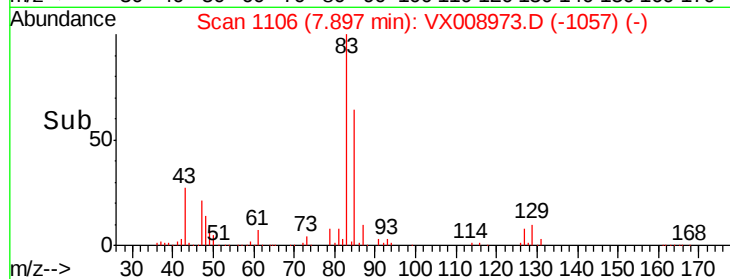
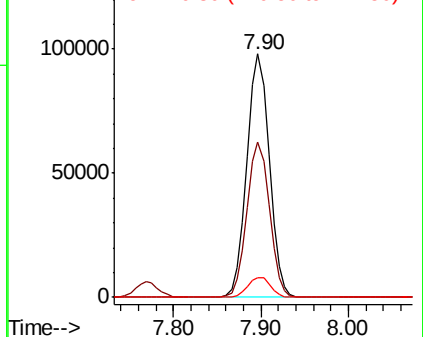
127 8.2 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.965 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

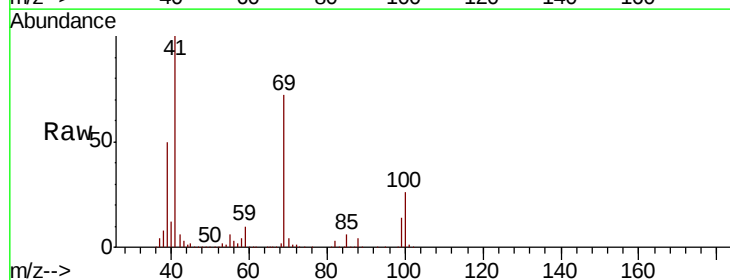
Tgt Ion: 41 Resp: 199510

Ion Ratio Lower Upper

41 100

69 73.1 59.4 89.2

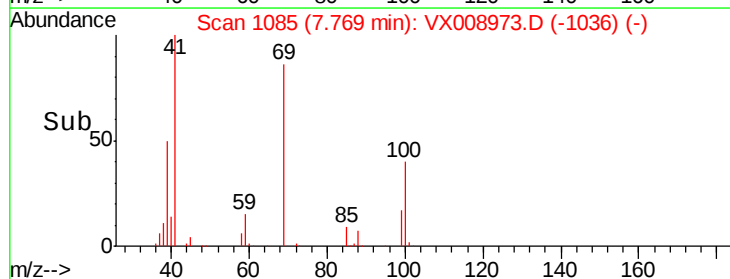
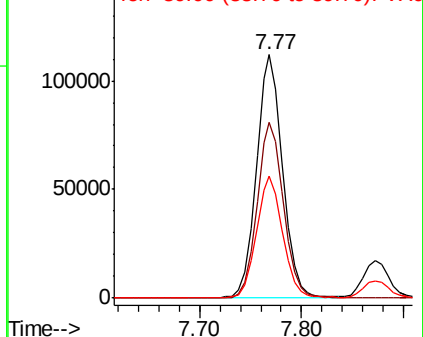
39 50.3 39.8 59.6

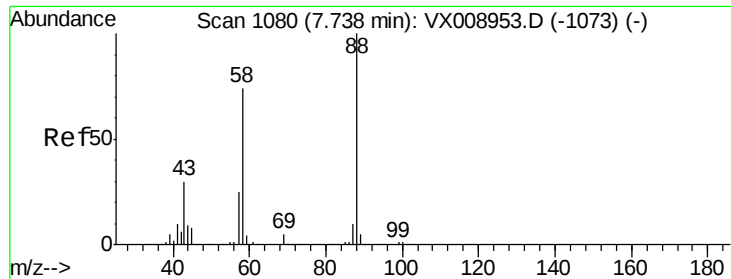


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

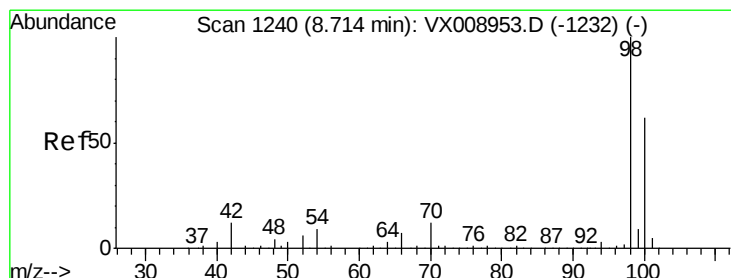
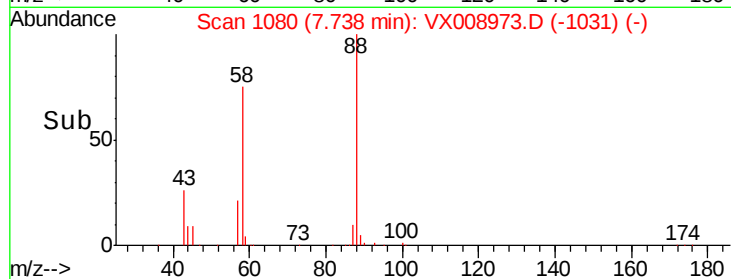
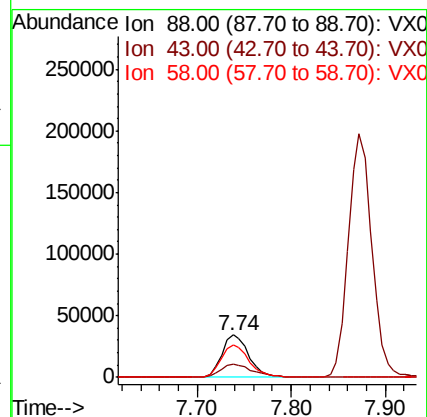
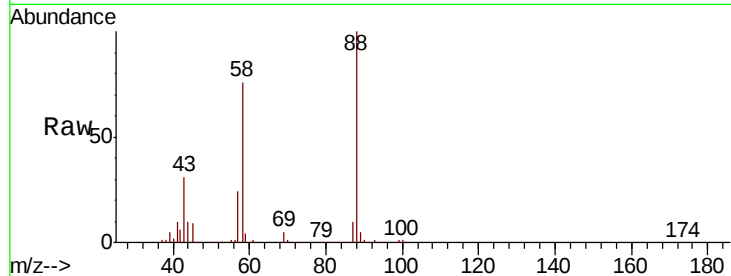




#49
1,4-Dioxane
Concen: 941.175 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

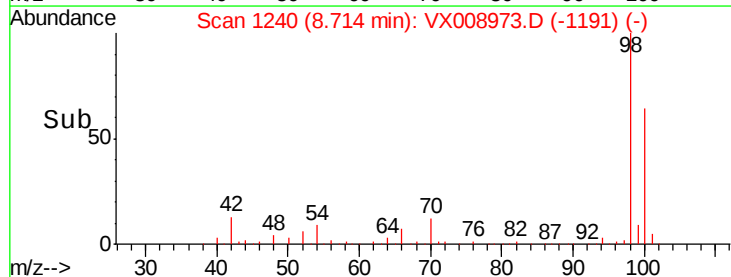
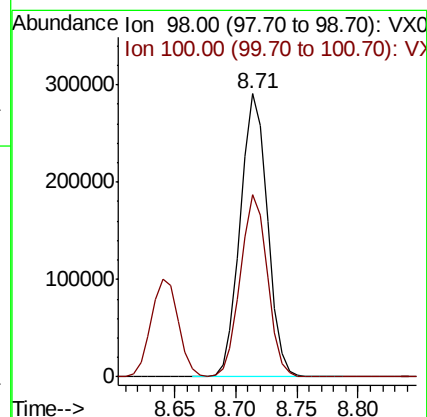
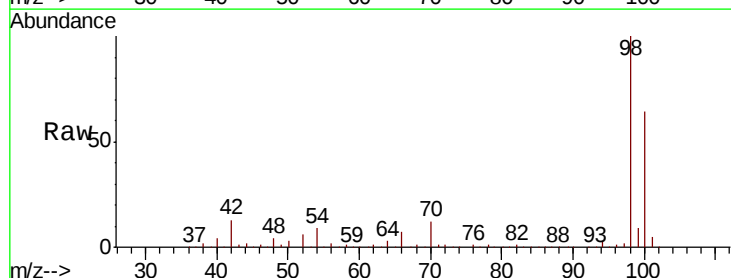
Instrument :
MSVOA_X
ClientSampleId :

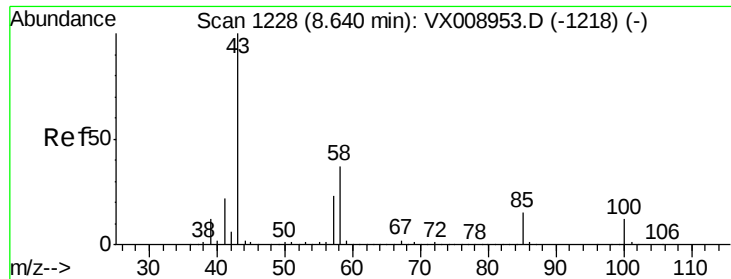
Tot Ion: 88 Resp: 68960
Ion Ratio Lower Upper
88 100
43 37.0 29.3 43.9
58 78.7 62.6 93.8



#50
Toluene-d8
Concen: 47.248 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Tgt Ion: 98 Resp: 446739
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 248.765 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

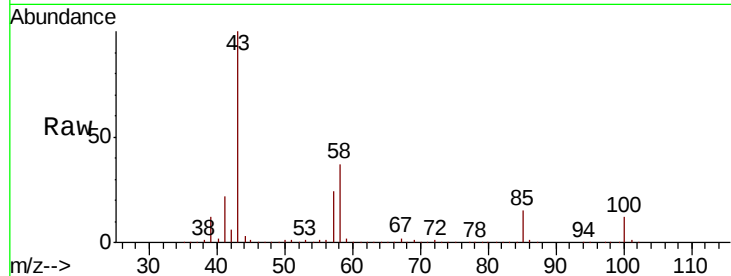
ClientSampleId :

Tot Ion: 43 Resp: 1255597

Ion Ratio Lower Upper

43 100

58 37.0 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

800000

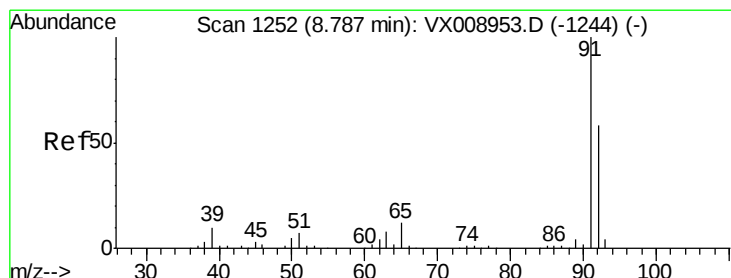
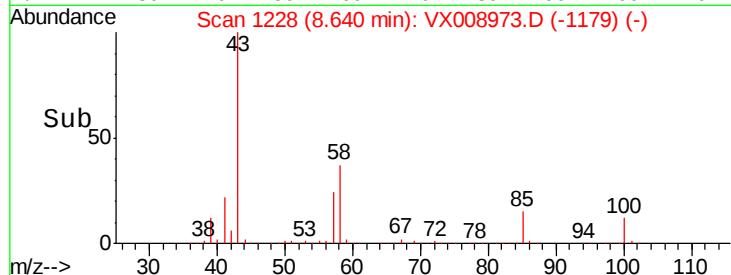
600000

400000

200000

0

Time--> 8.50 8.60 8.70



#52

Toluene

Concen: 48.638 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008973.D

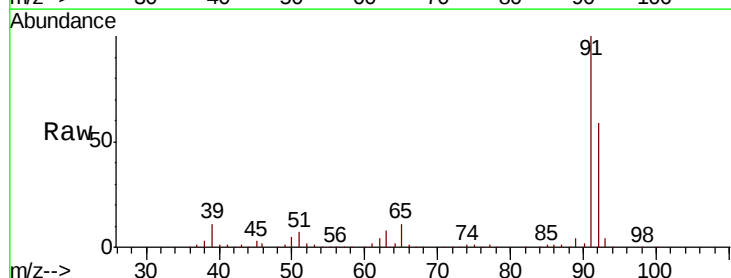
Acq: 15 Apr 2019 20:15

Tgt Ion: 92 Resp: 328548

Ion Ratio Lower Upper

92 100

91 172.5 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

400000

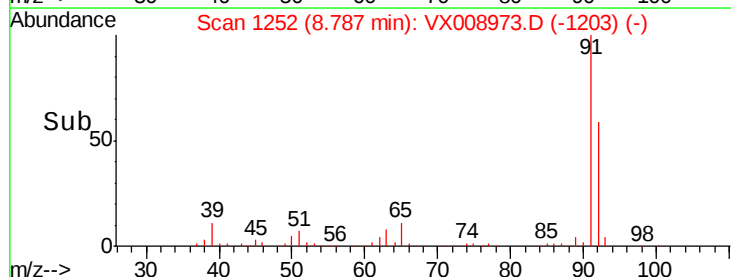
300000

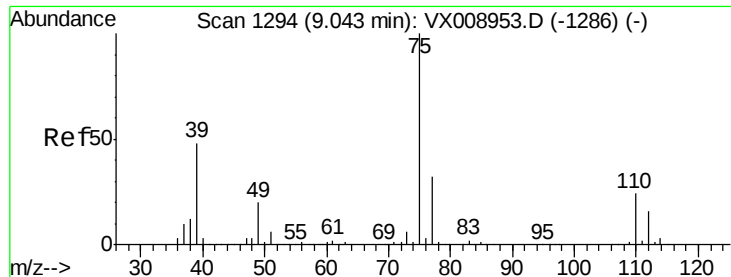
200000

100000

0

Time--> 8.70 8.80 8.90

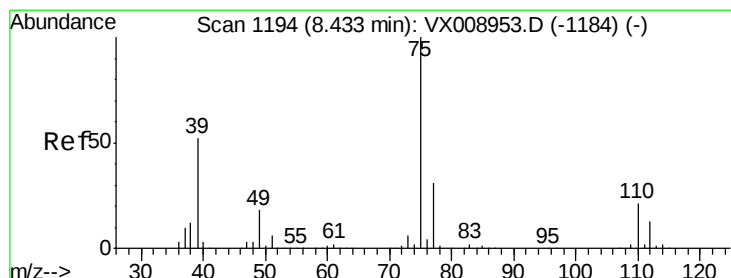
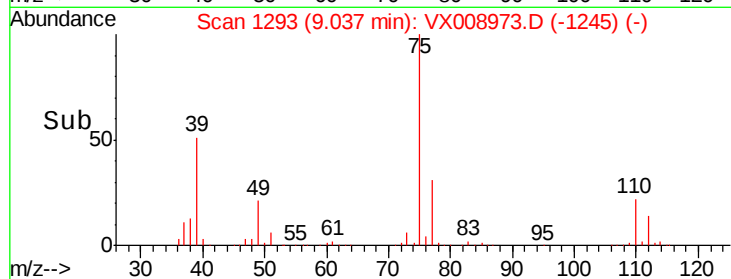
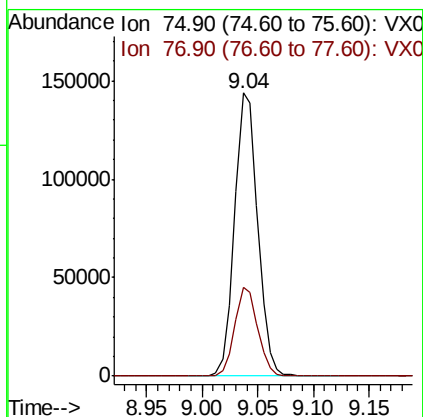
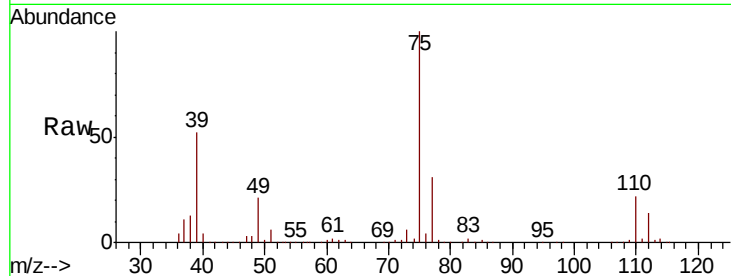




#53
 t-1,3-Dichloropropene
 Concen: 50.351 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

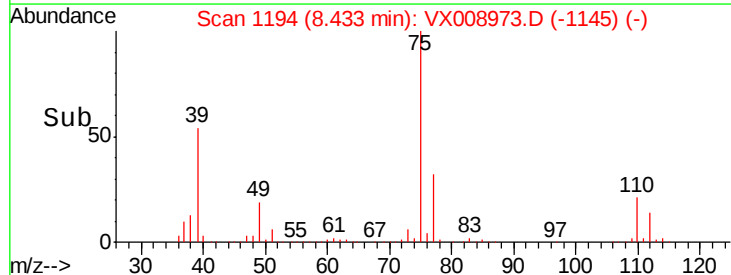
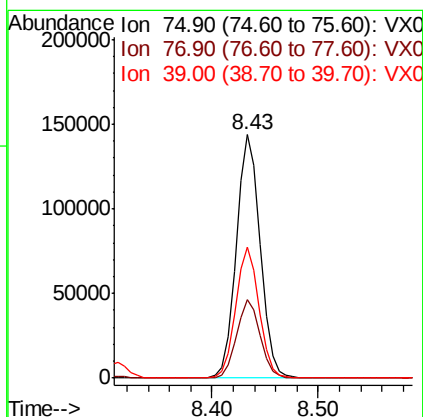
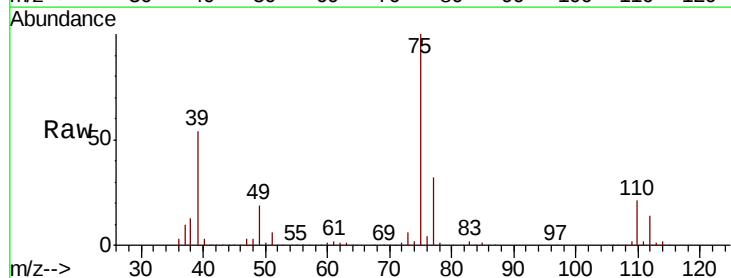
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 206826
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 49.286 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Tgt Ion: 75 Resp: 226692
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.8 37.2
 39 53.6 41.8 62.6

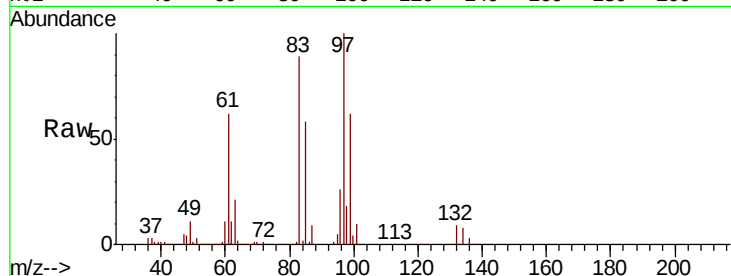




#55
 1,1,2-Trichloroethane
 Concen: 49.123 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.0	72.6	108.8
85	58.1	46.9	70.3
99	62.4	51.0	76.6



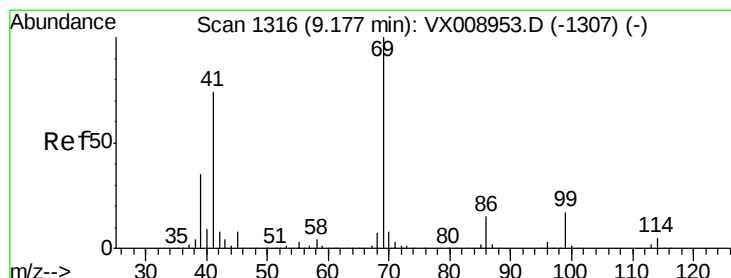
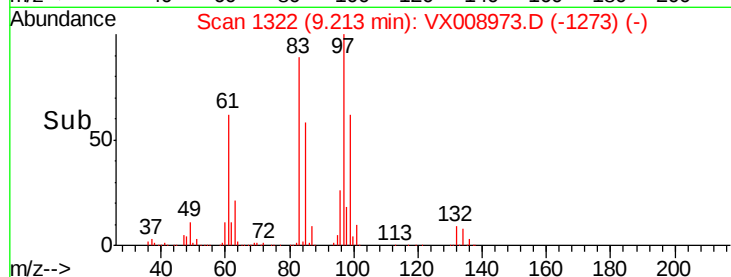
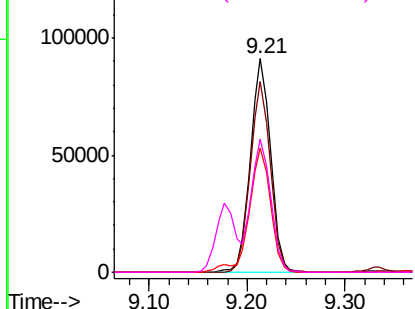
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

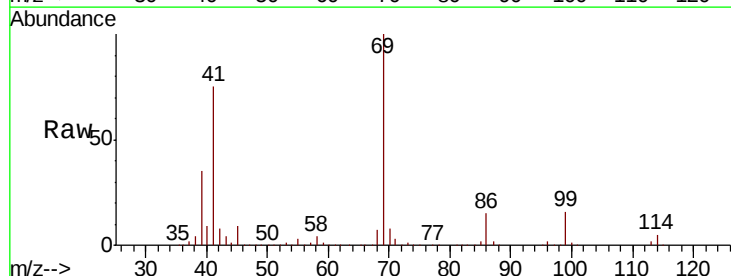
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 50.971 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
69	100		
41	74.5	60.2	90.2
39	35.0	27.9	41.9

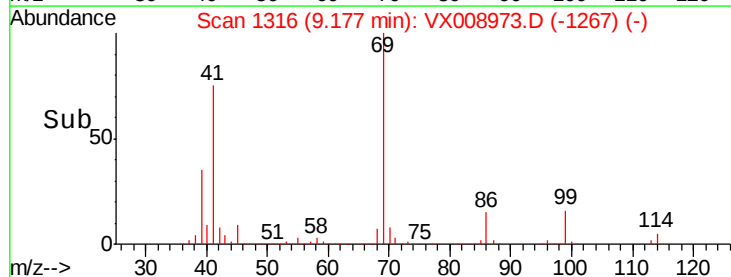
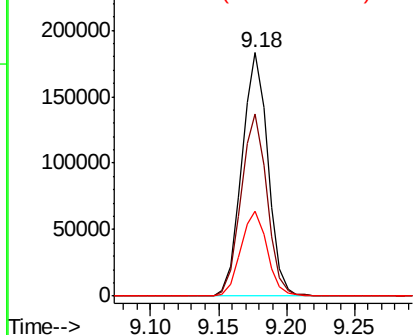


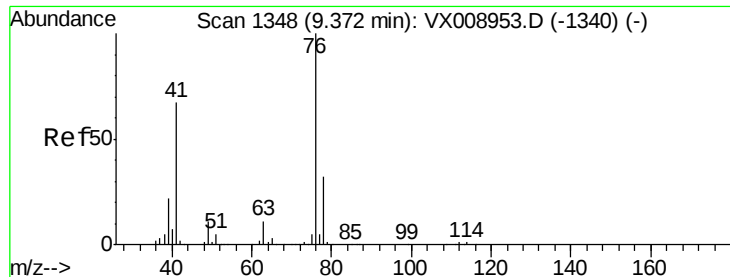
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 49.271 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

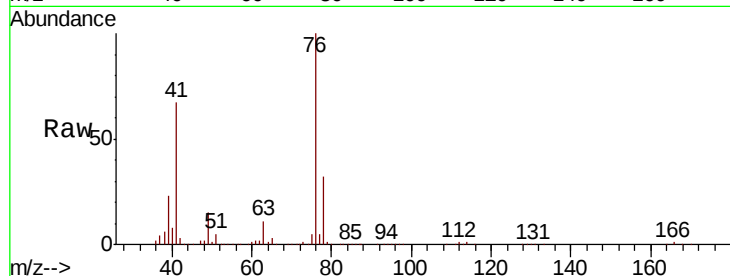
ClientSampleId :

Tot Ion: 76 Resp: 234861

Ion Ratio Lower Upper

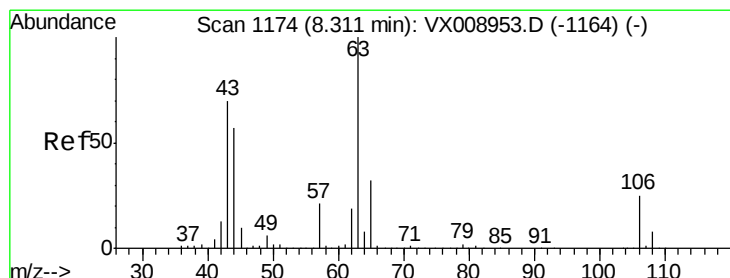
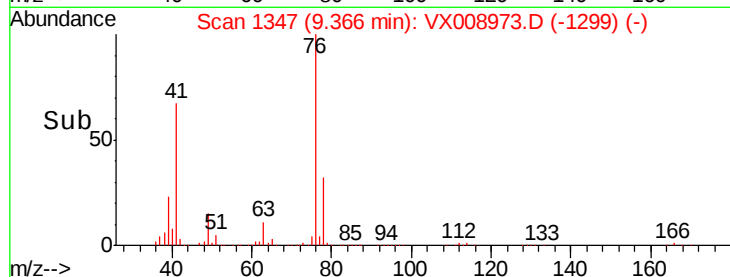
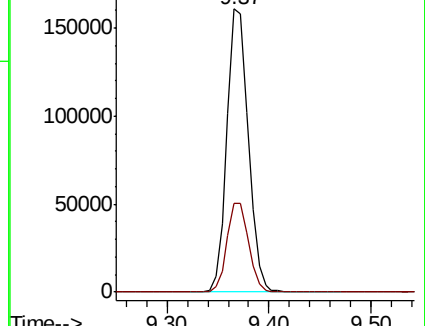
76 100

78 32.1 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 251.801 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008973.D

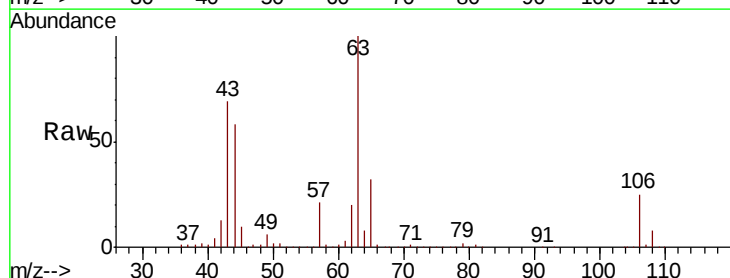
Acq: 15 Apr 2019 20:15

Tgt Ion: 63 Resp: 650921

Ion Ratio Lower Upper

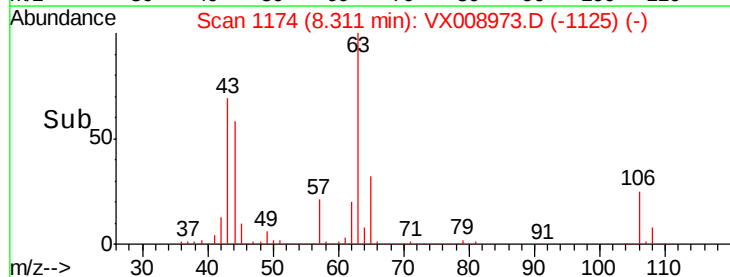
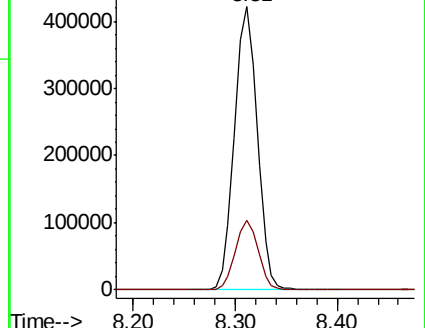
63 100

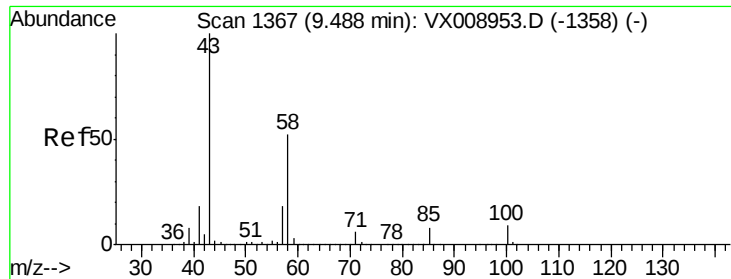
106 24.5 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

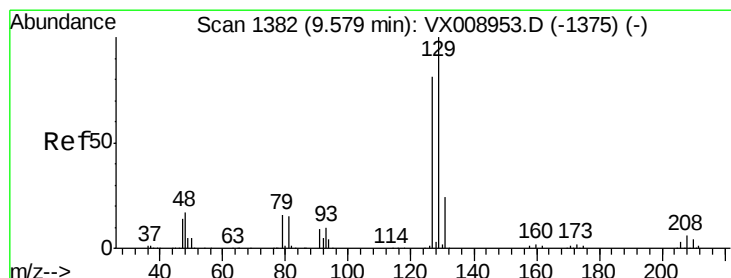
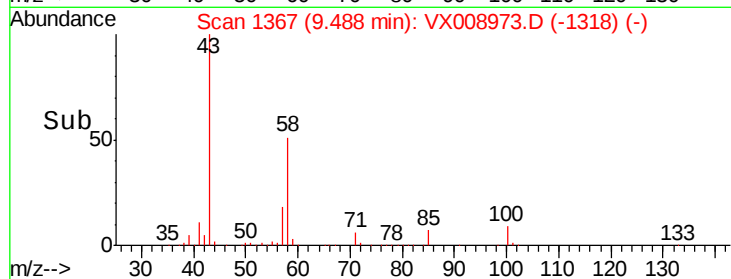
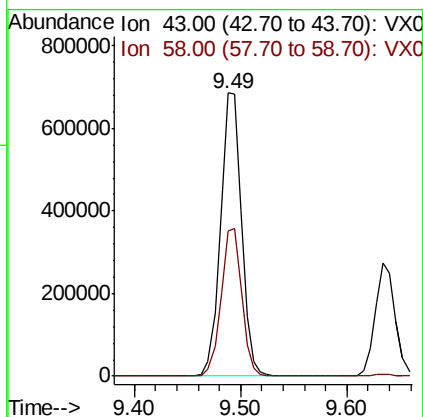
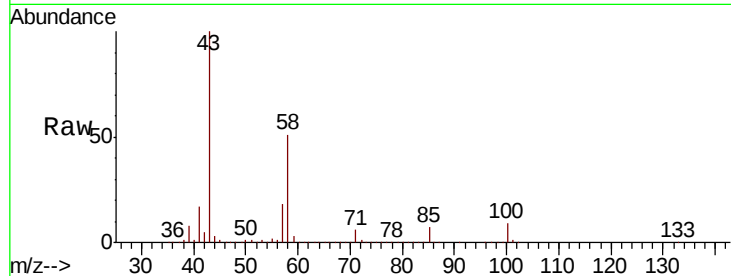




#59
2-Hexanone
Concen: 242.776 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

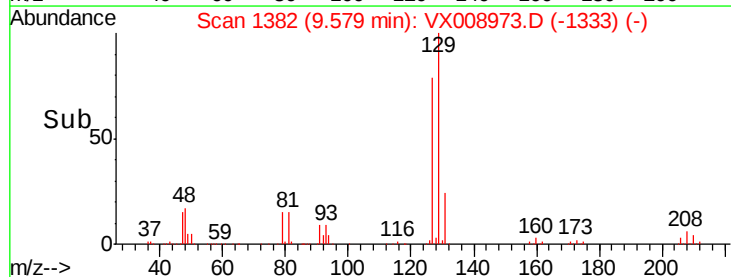
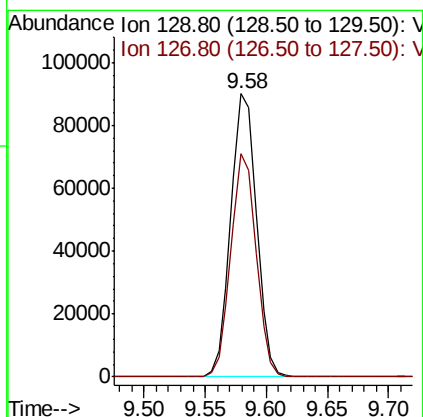
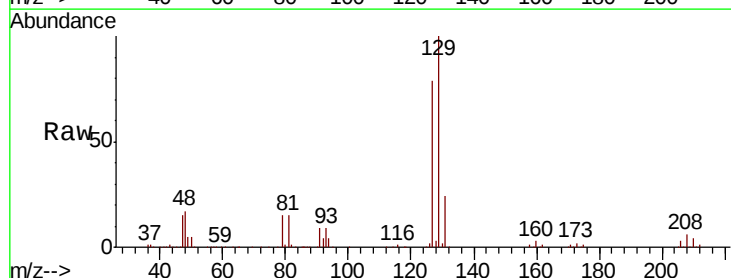
Instrument :
MSVOA_X
ClientSampleId :

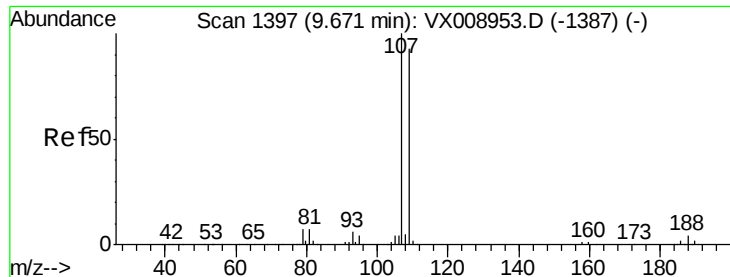
Tot Ion: 43 Resp: 944731
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.8



#60
Dibromochloromethane
Concen: 51.258 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Tgt Ion:129 Resp: 131520
Ion Ratio Lower Upper
129 100
127 77.2 39.1 117.2

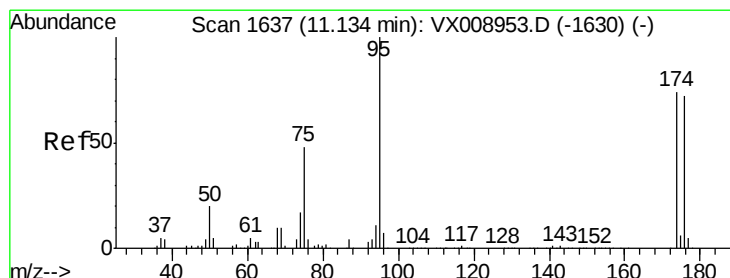
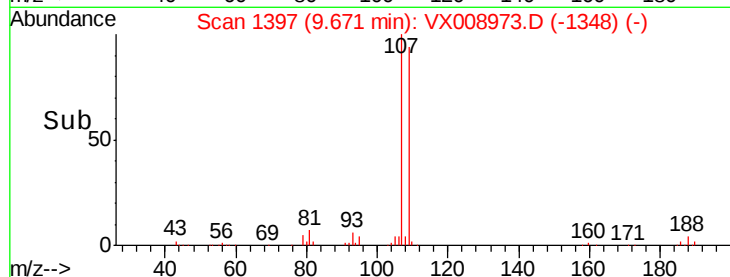
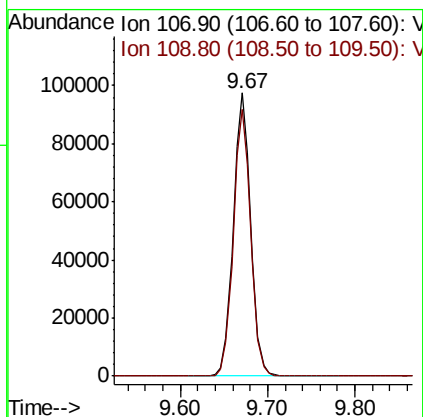
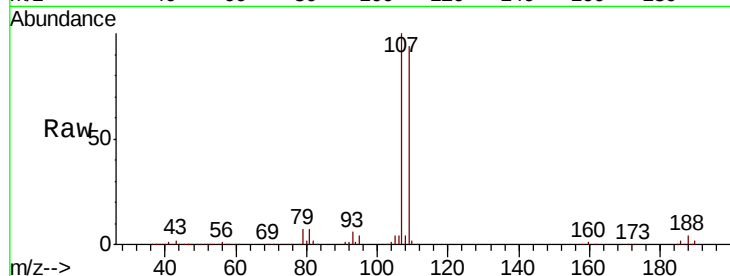




#61
 1,2-Dibromoethane
 Concen: 49.106 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

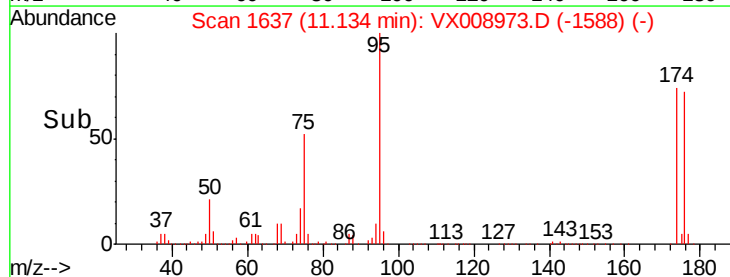
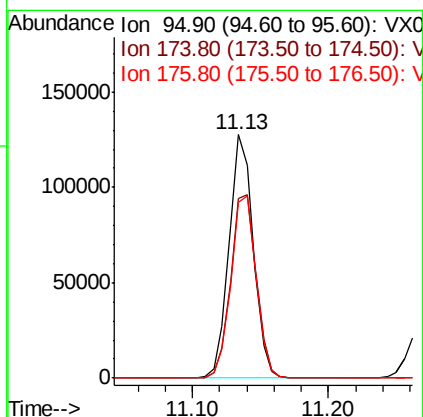
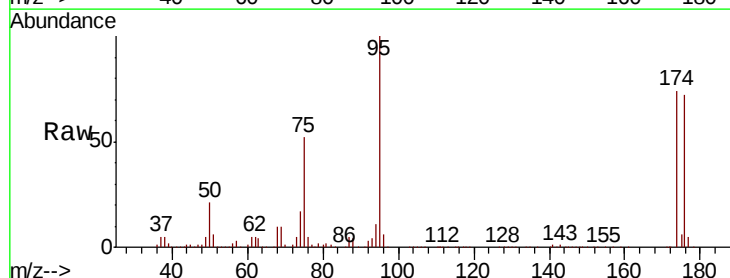
Instrument :
 MSVOA_X
 ClientSampled :

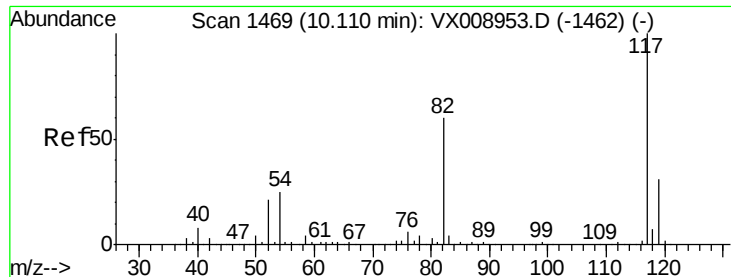
Tot Ion: 107 Resp: 135685
 Ion Ratio Lower Upper
 107 100
 109 94.4 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 47.163 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Tgt Ion: 95 Resp: 157415
 Ion Ratio Lower Upper
 95 100
 174 79.9 0.0 159.6
 176 78.2 0.0 154.8

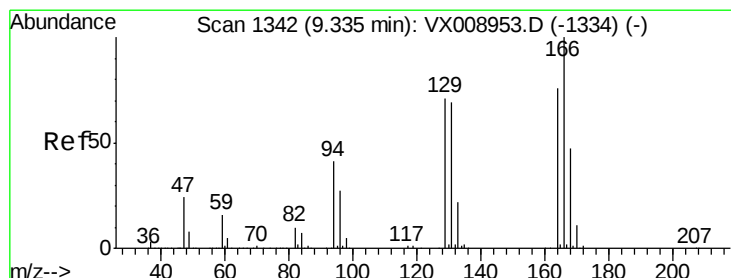
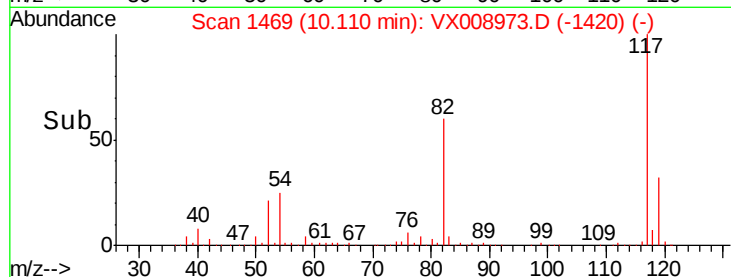
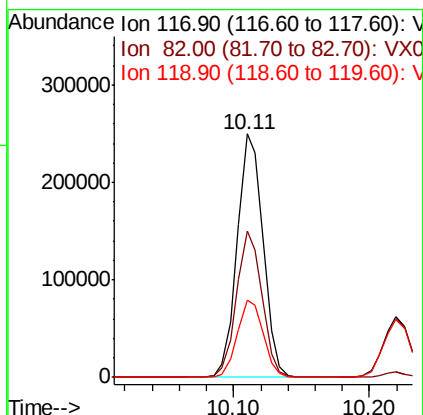
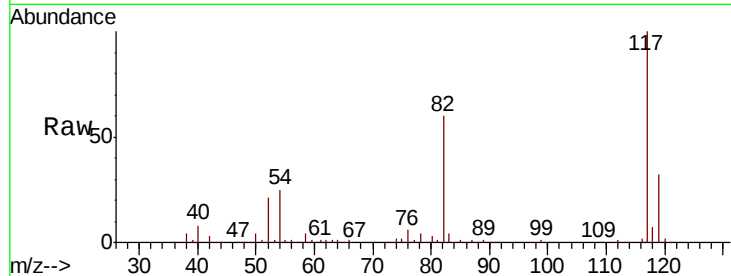




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

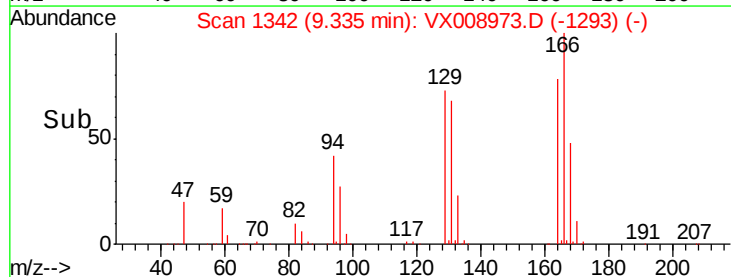
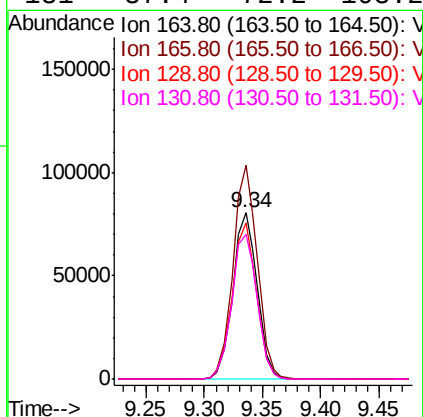
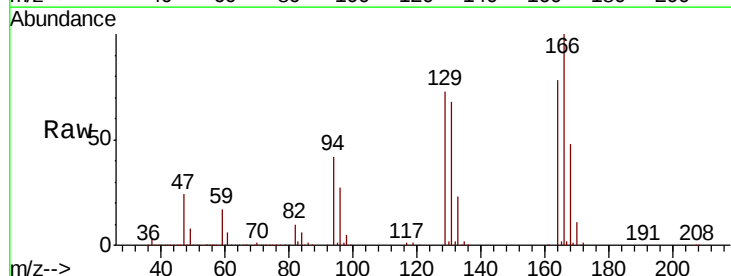
Instrument :
MSVOA_X
ClientSampleId :

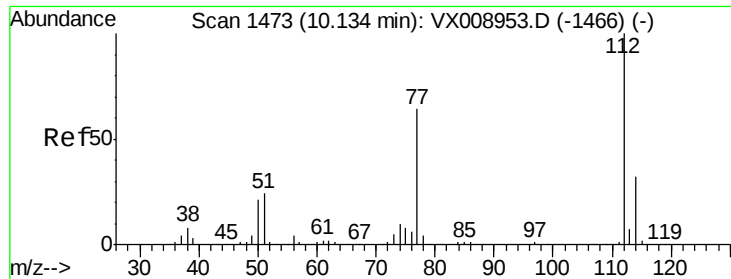
Tot Ion:117 Resp: 330215
Ion Ratio Lower Upper
117 100
82 60.0 48.2 72.4
119 31.9 25.0 37.6



#64
Tetrachloroethene
Concen: 46.662 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Tgt Ion:164 Resp: 117055
Ion Ratio Lower Upper
164 100
166 128.5 105.0 157.4
129 93.6 74.2 111.4
131 87.4 72.2 108.2

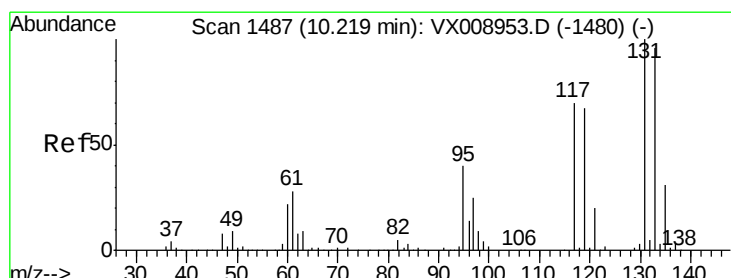
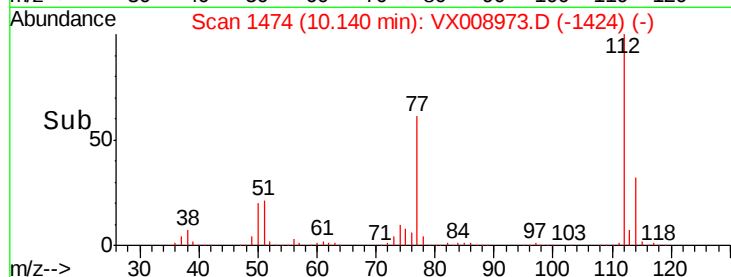
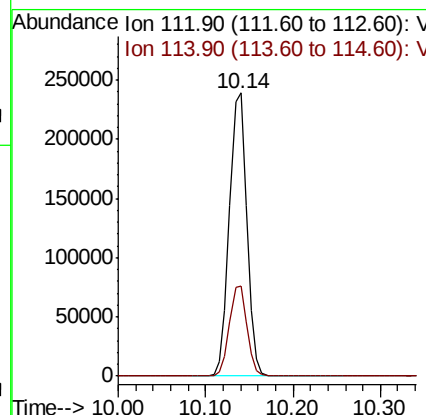
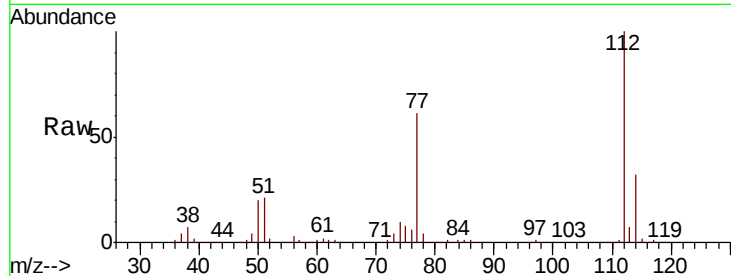




#65
Chlorobenzene
Concen: 47.565 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

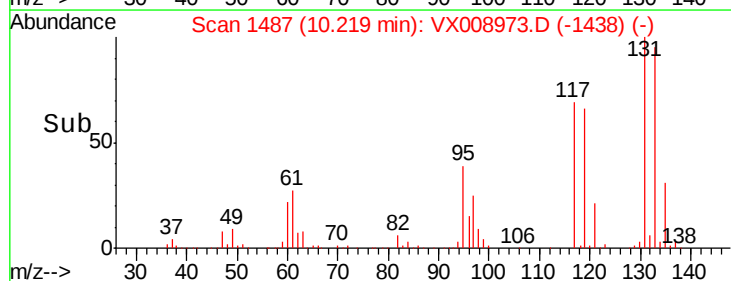
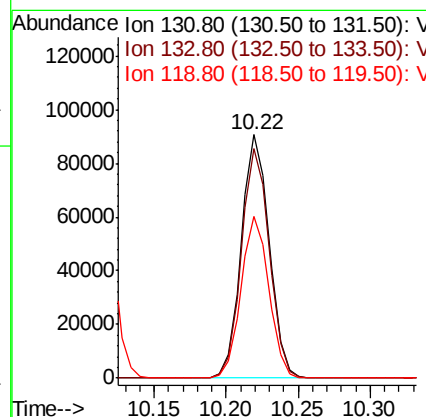
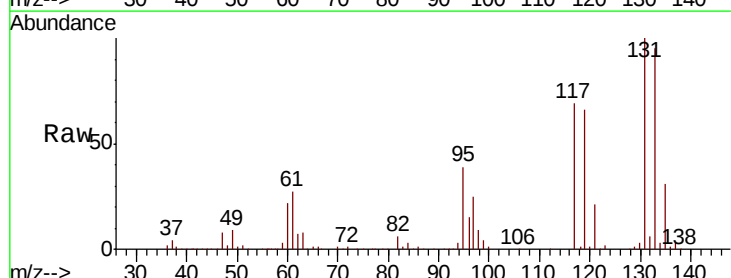
Instrument :
MSVOA_X
ClientSampled :

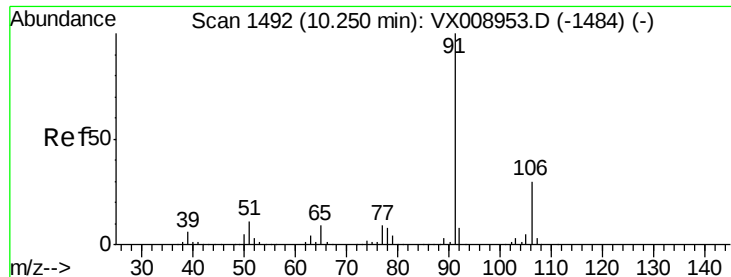
Tot Ion:112 Resp: 331527
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 49.783 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Tgt Ion:131 Resp: 122237
Ion Ratio Lower Upper
131 100
133 94.6 48.0 144.2
119 66.4 33.7 101.1

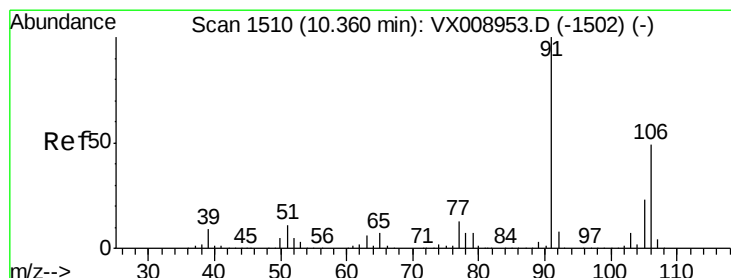
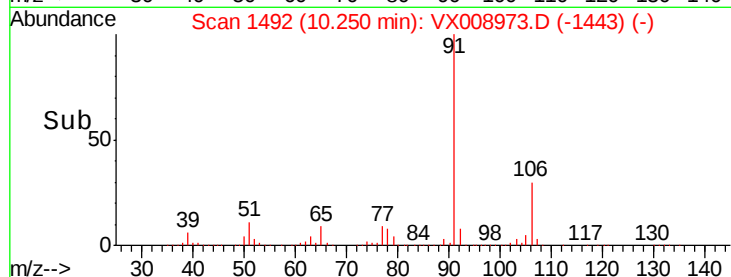
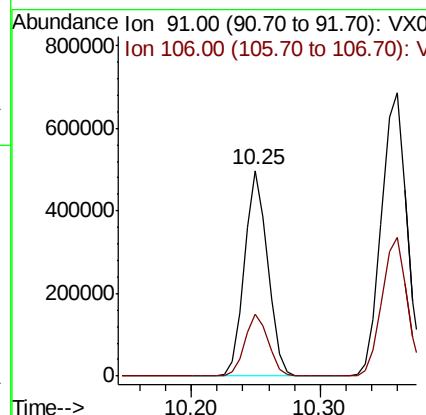
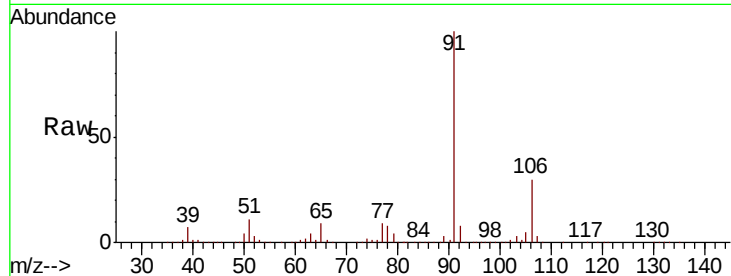




#67
Ethyl Benzene
Concen: 48.677 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

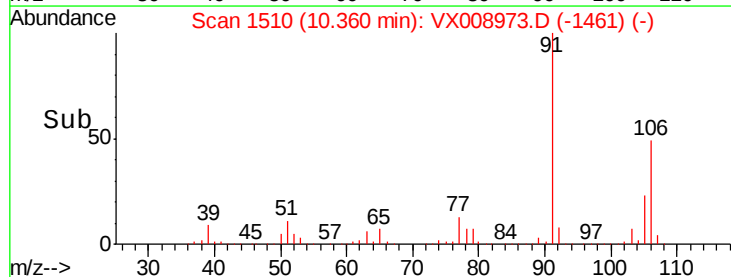
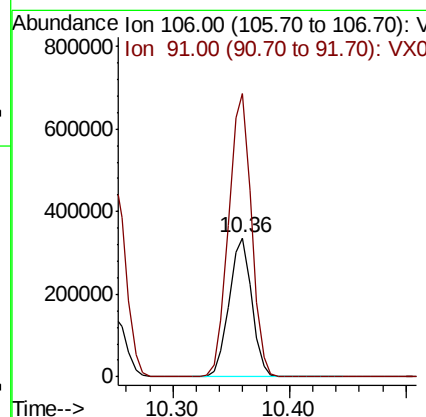
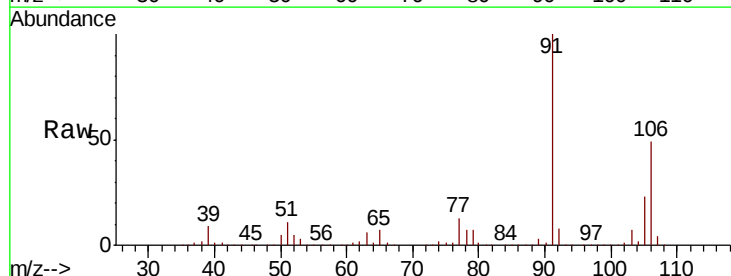
Instrument :
MSVOA_X
ClientSampleId :

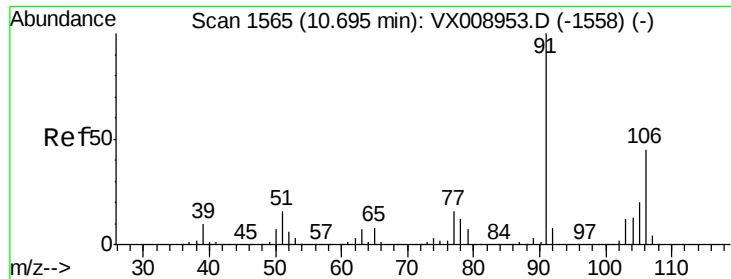
Tot Ion: 91 Resp: 620206
Ion Ratio Lower Upper
91 100
106 30.1 24.3 36.5



#68
m/p-Xylenes
Concen: 97.429 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Tgt Ion: 106 Resp: 451149
Ion Ratio Lower Upper
106 100
91 206.3 165.4 248.2

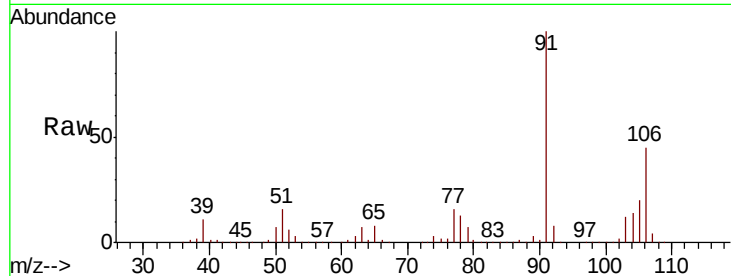




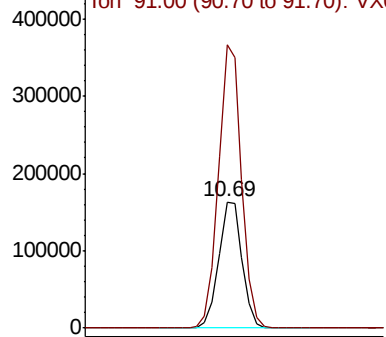
#69
o-Xylene
Concen: 48.325 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Instrument :
MSVOA_X
ClientSampled :

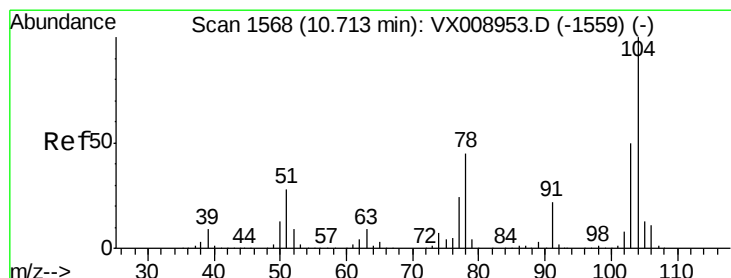
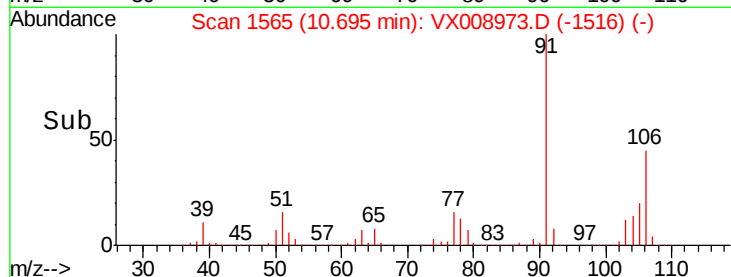
Tot Ion:106 Resp: 217732
Ion Ratio Lower Upper
106 100
91 220.1 108.9 326.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

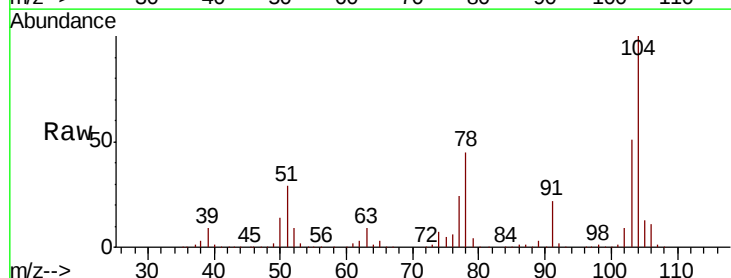


Time--> 10.60 10.70 10.80

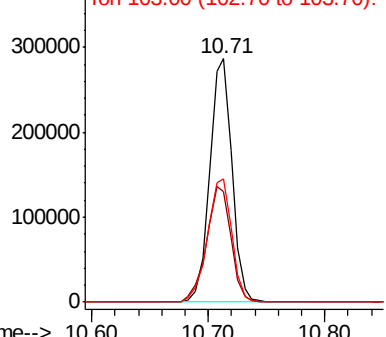


#70
Styrene
Concen: 48.747 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

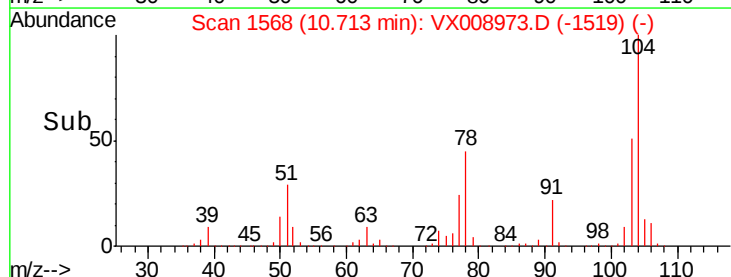
Tgt Ion:104 Resp: 380605
Ion Ratio Lower Upper
104 100
78 52.1 41.2 61.8
103 55.2 43.9 65.9

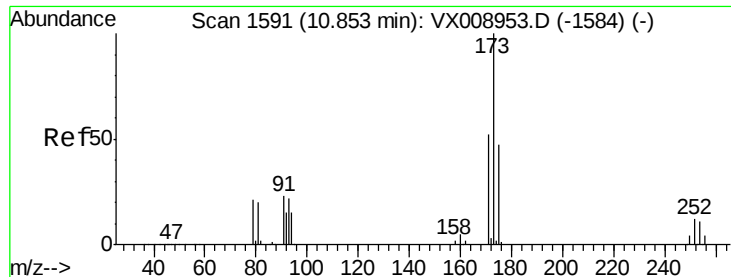


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



Time--> 10.60 10.70 10.80





#71

Bromoform

Concen: 49.748 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampled :

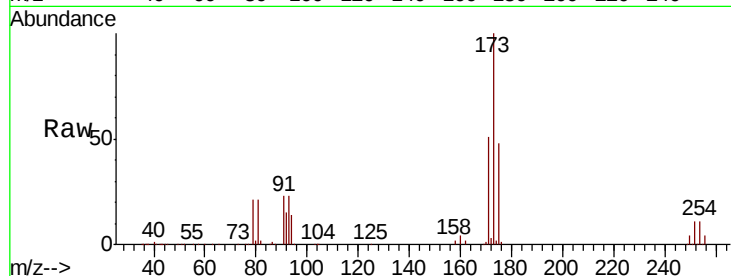
Tot Ion:173 Resp: 97316

Ion Ratio Lower Upper

173 100

175 48.7 23.9 71.8

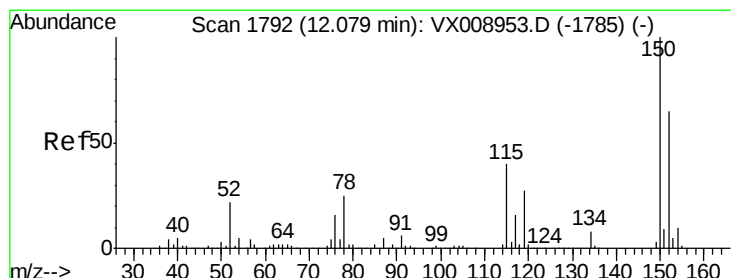
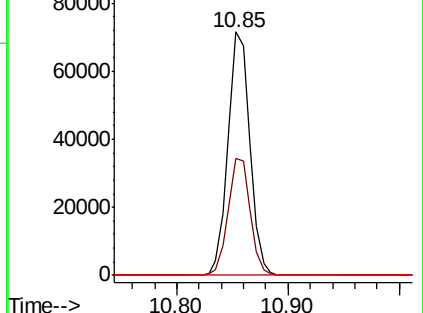
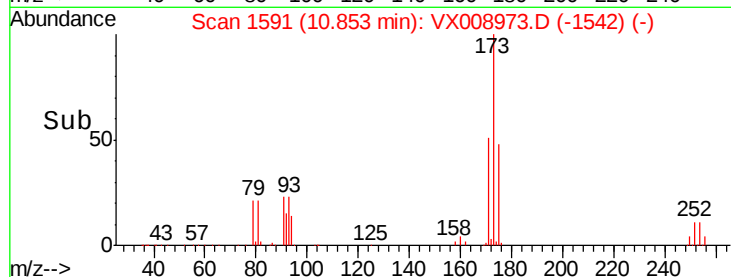
254 0.2 0.2 0.4#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

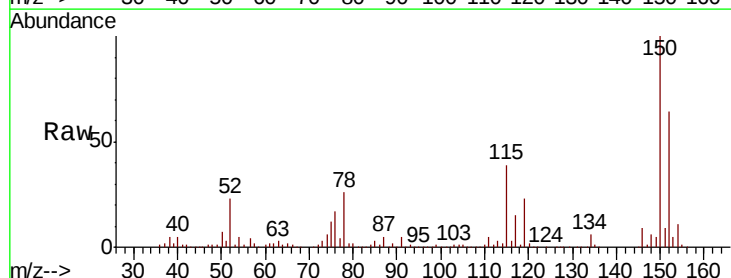
Tgt Ion:152 Resp: 152063

Ion Ratio Lower Upper

152 100

115 82.9 41.4 124.2

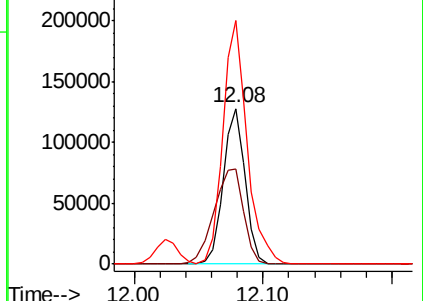
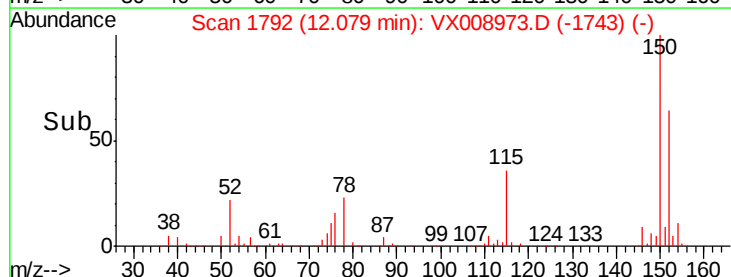
150 173.4 0.0 349.8



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





#73

Isopropylbenzene

Concen: 50.410 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

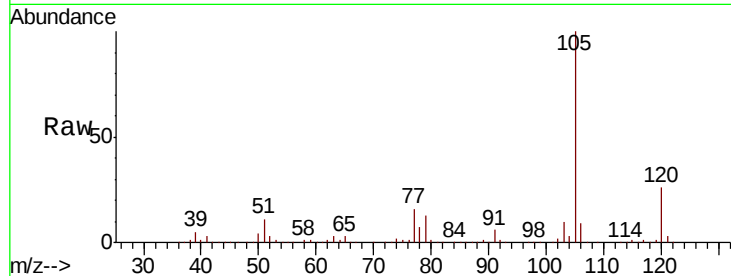
ClientSampleId :

Tot Ion:105 Resp: 581033

Ion Ratio Lower Upper

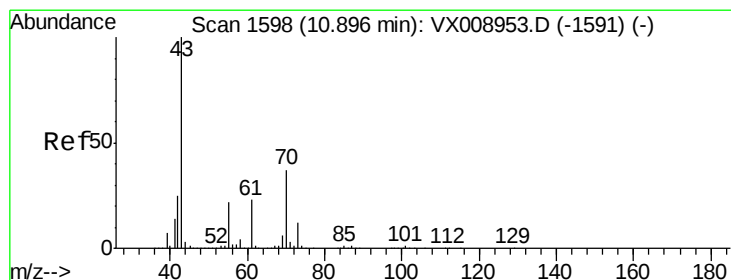
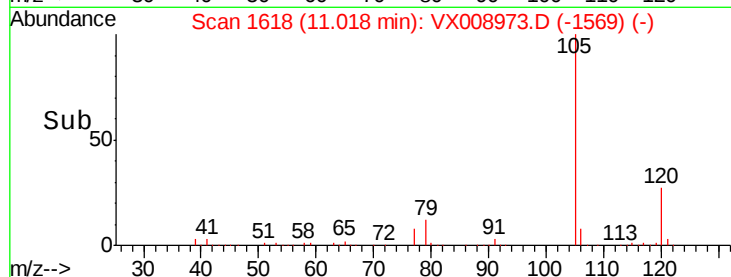
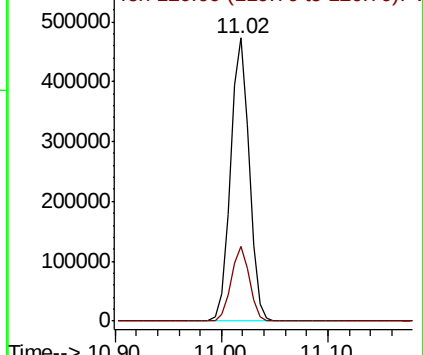
105 100

120 25.8 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.134 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Tgt Ion: 43 Resp: 338412

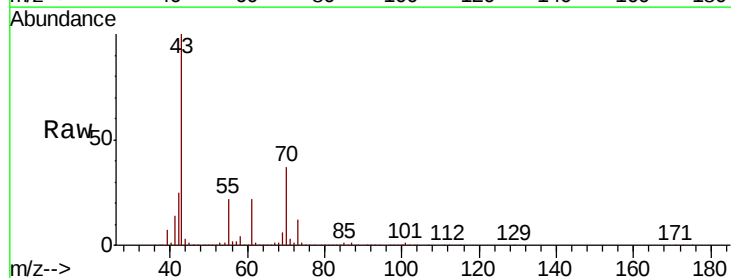
Ion Ratio Lower Upper

43 100

70 37.0 29.9 44.9

55 22.1 17.8 26.8

61 22.6 18.3 27.5

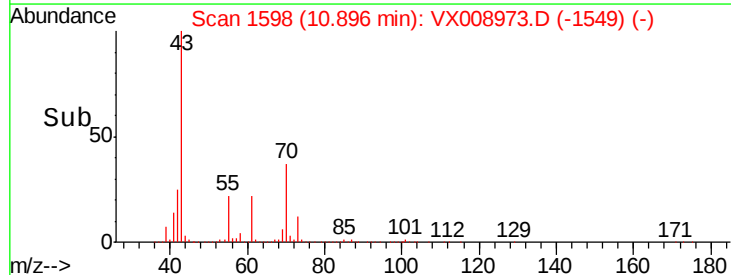
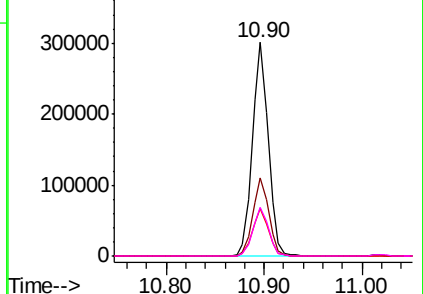


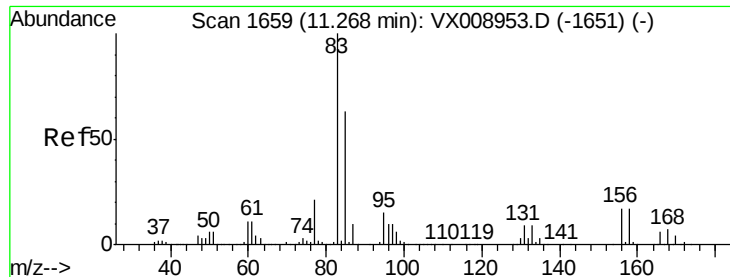
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.300 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

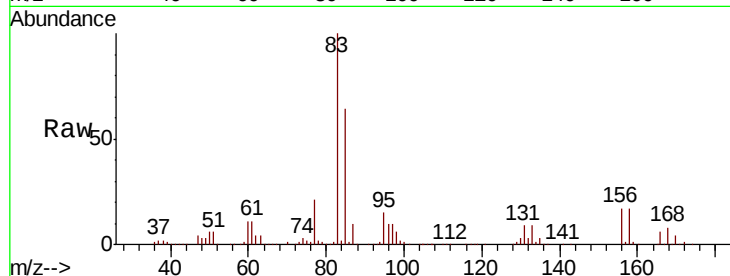
Tot Ion: 83 Resp: 203413

Ion Ratio Lower Upper

83 100

131 9.3 4.7 14.0

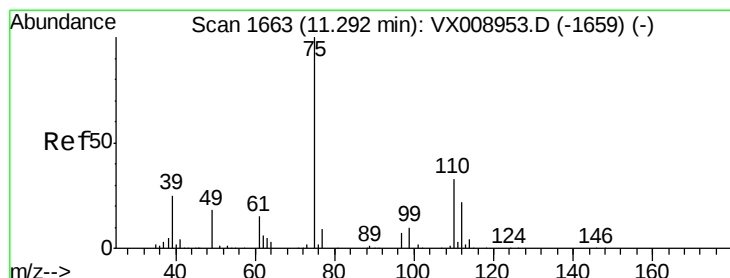
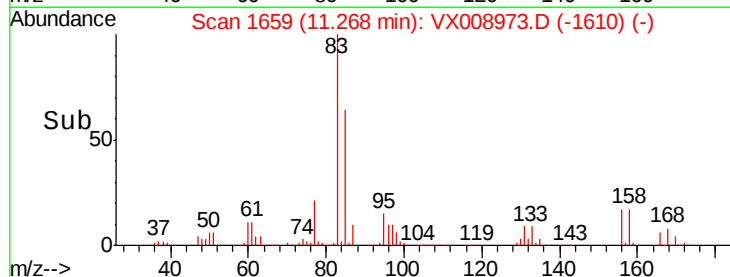
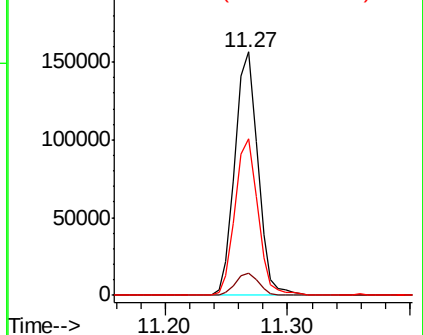
85 64.1 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 67.484 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX008973.D

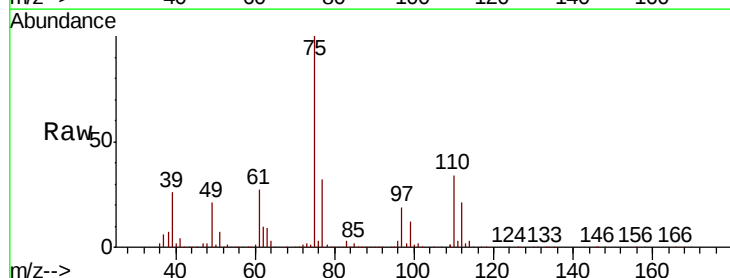
Acq: 15 Apr 2019 20:15

Tgt Ion: 75 Resp: 250575

Ion Ratio Lower Upper

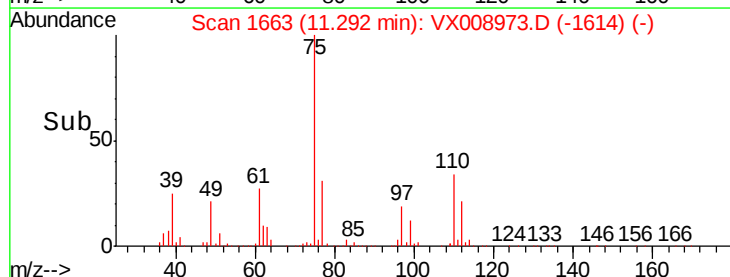
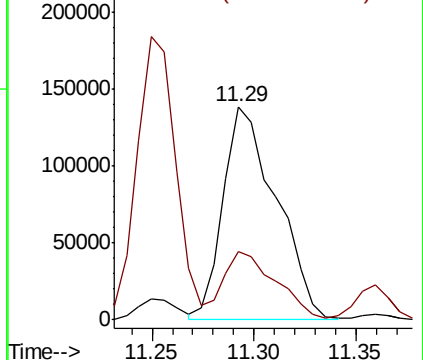
75 100

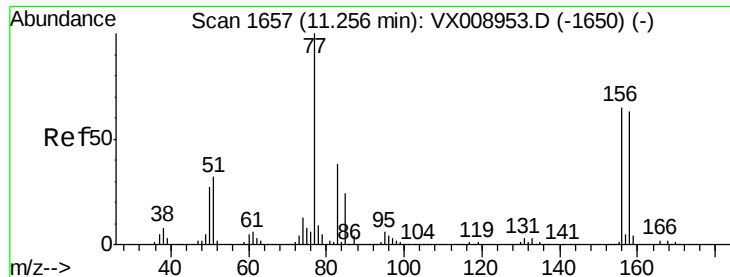
77 31.8 22.7 68.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.033 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

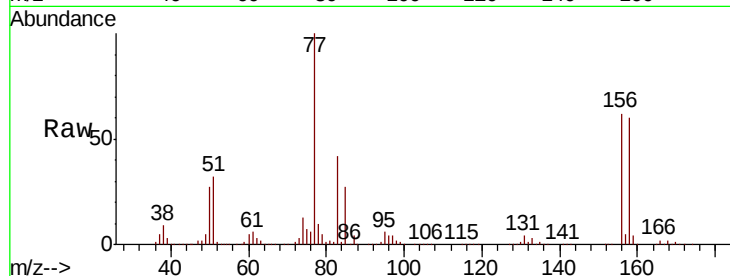
Tot Ion:156 Resp: 142595

Ion Ratio Lower Upper

156 100

77 170.6 85.4 256.1

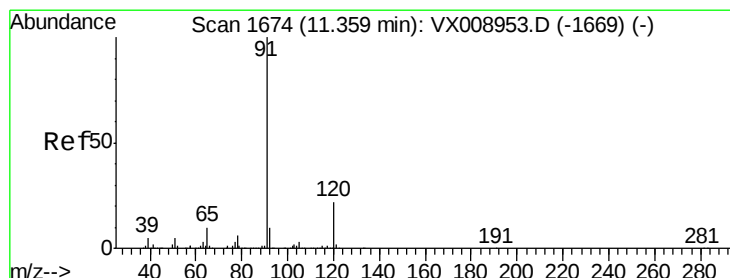
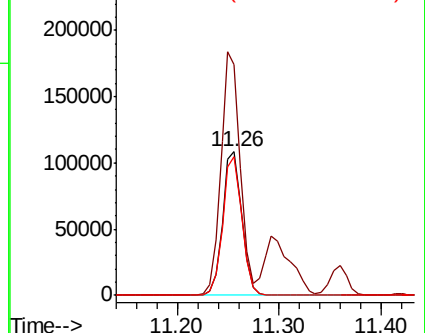
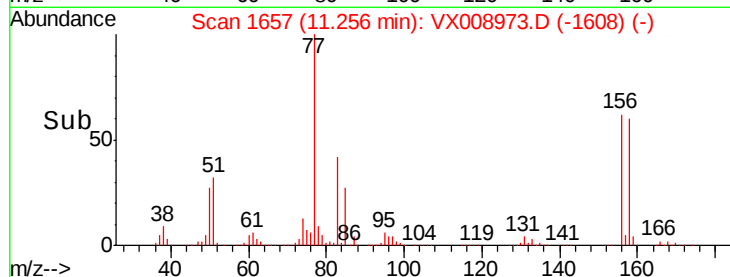
158 96.3 48.8 146.4



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: 50.910 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008973.D

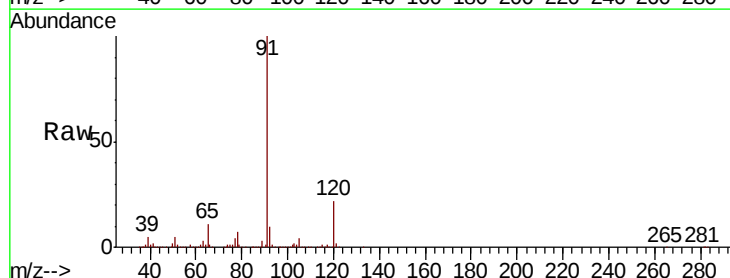
Acq: 15 Apr 2019 20:15

Tgt Ion: 91 Resp: 673511

Ion Ratio Lower Upper

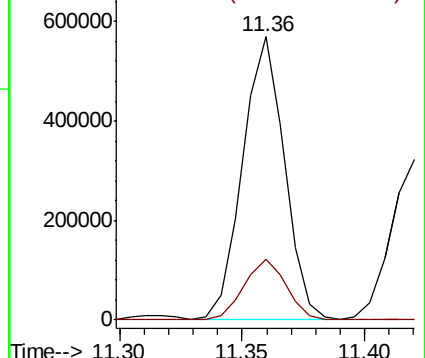
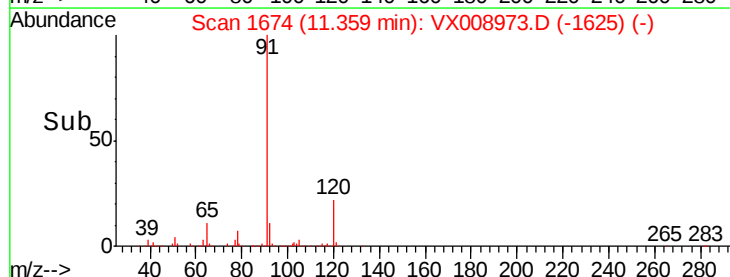
91 100

120 21.8 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

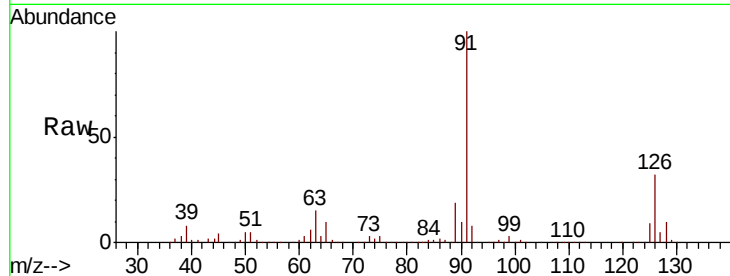




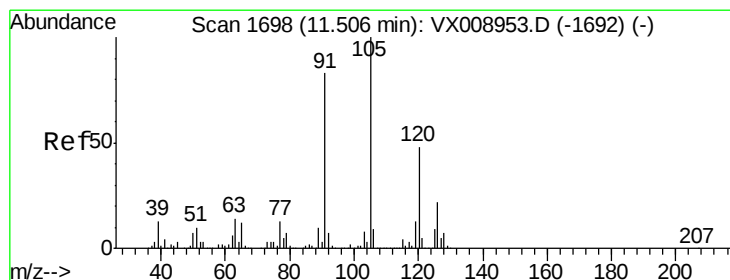
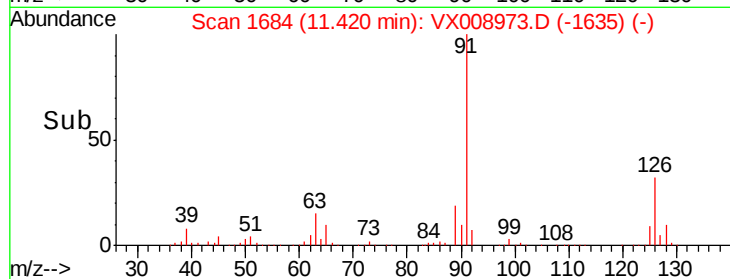
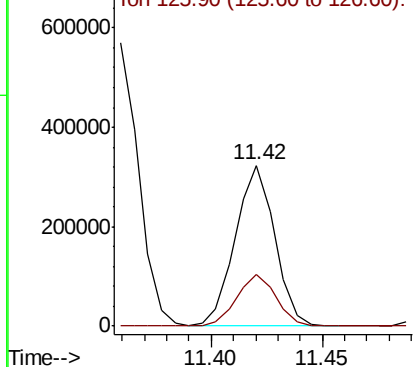
#79
 2-Chlorotoluene
 Concen: 49.770 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 91 Resp: 396772
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.3 48.9

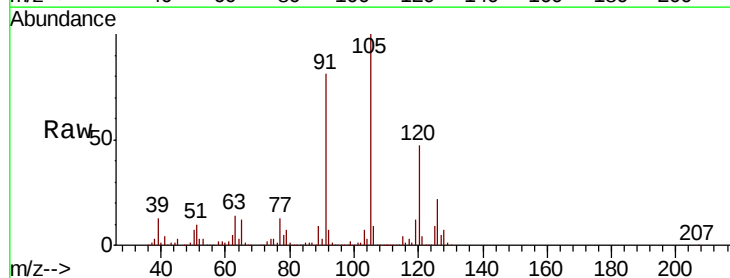


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

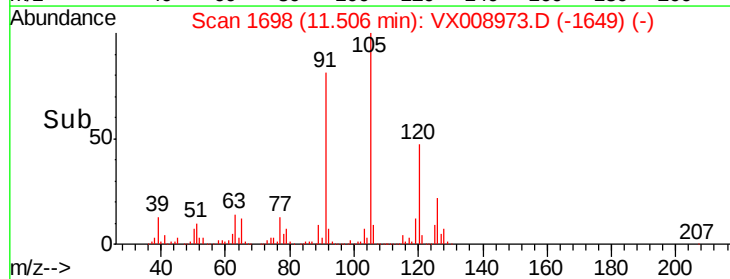
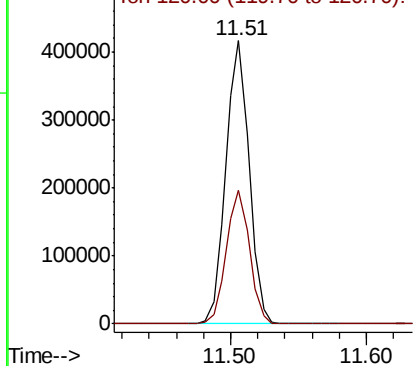


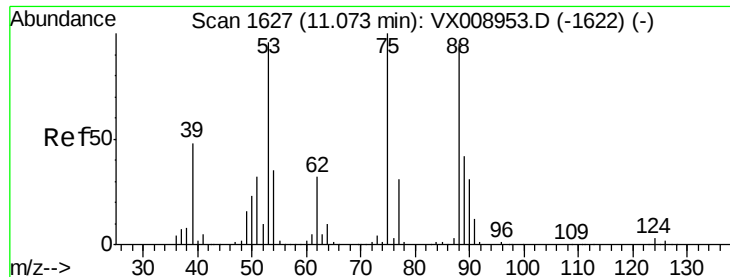
#80
 1,3,5-Trimethylbenzene
 Concen: 50.919 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Tgt Ion:105 Resp: 492506
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.010 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

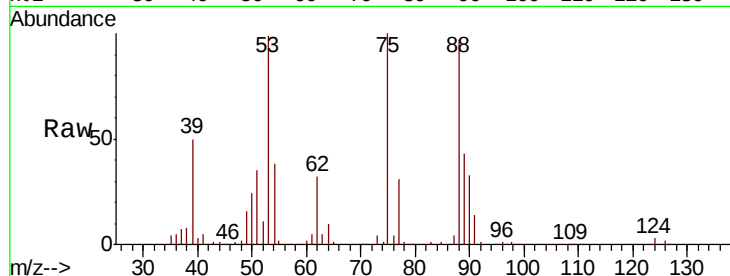
Tot Ion: 75 Resp: 73776

Ion Ratio Lower Upper

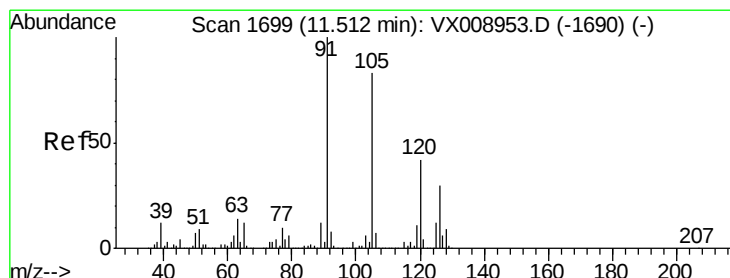
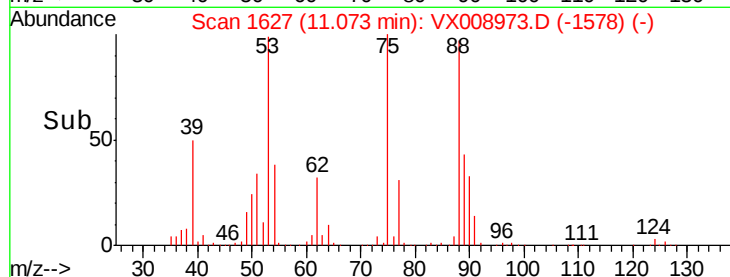
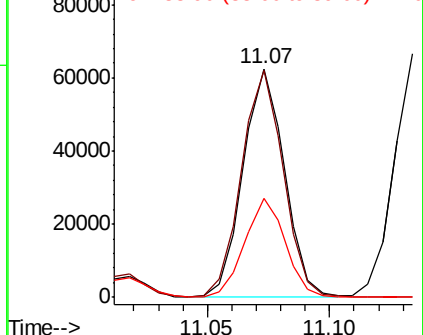
75 100

53 99.8 78.2 117.4

89 42.8 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 49.250 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008973.D

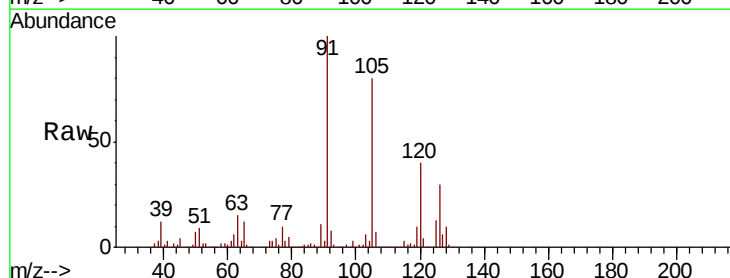
Acq: 15 Apr 2019 20:15

Tgt Ion: 91 Resp: 455992

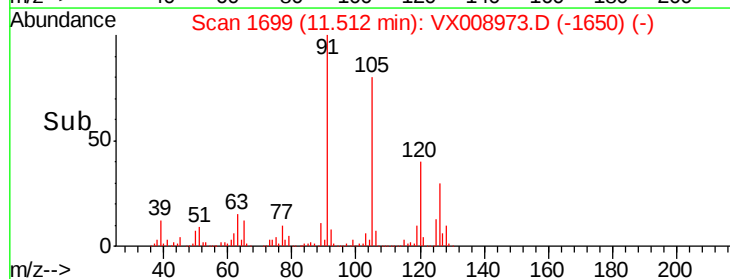
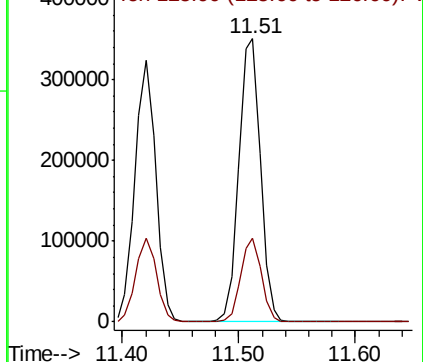
Ion Ratio Lower Upper

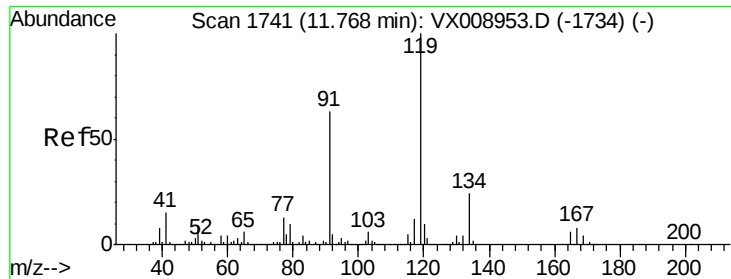
91 100

126 28.5 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 49.659 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

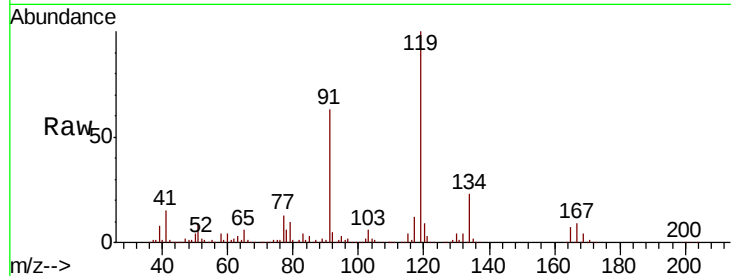
Tot Ion:119 Resp: 461146

Ion Ratio Lower Upper

119 100

91 59.6 29.7 89.1

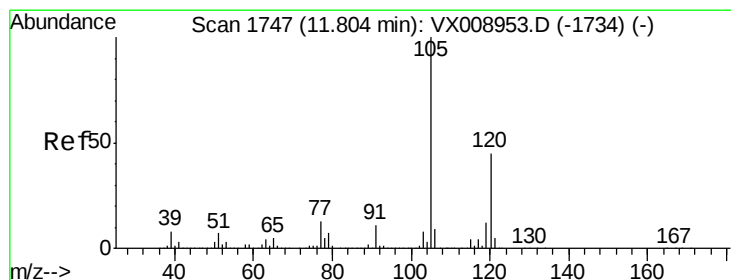
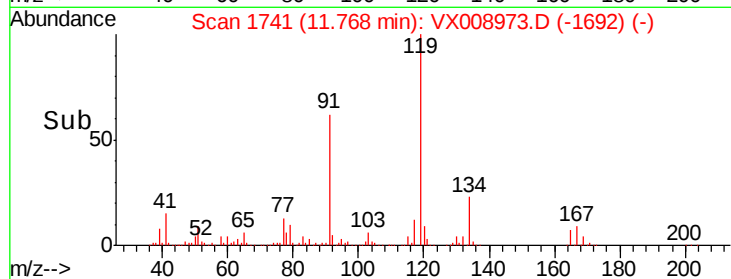
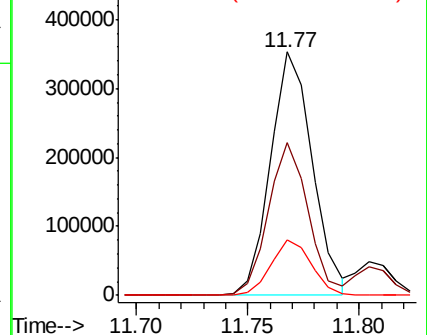
134 22.3 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.035 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX008973.D

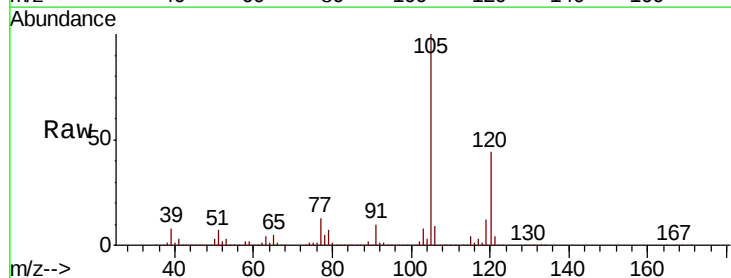
Acq: 15 Apr 2019 20:15

Tgt Ion:105 Resp: 492626

Ion Ratio Lower Upper

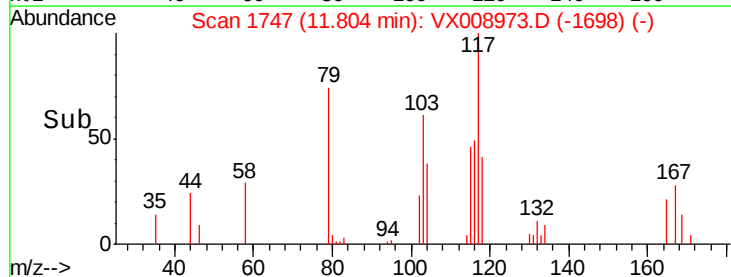
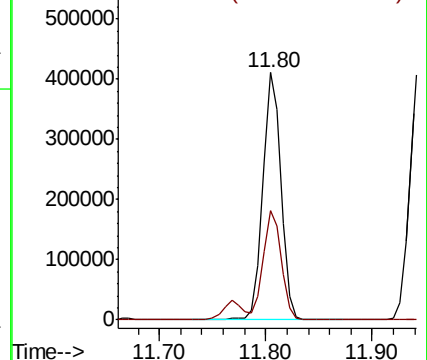
105 100

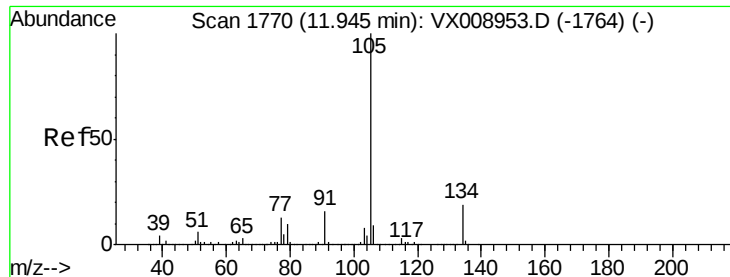
120 43.8 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.450 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

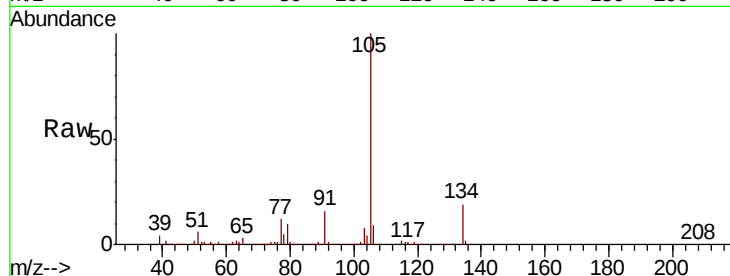
ClientSampled :

Tot Ion:105 Resp: 558750

Ion Ratio Lower Upper

105 100

134 19.2 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

500000

400000

300000

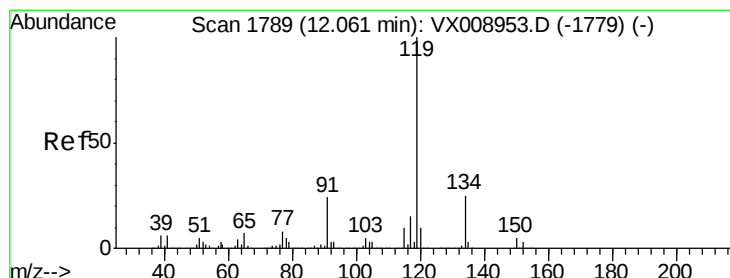
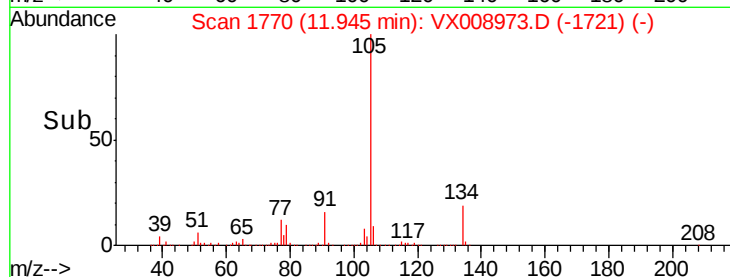
200000

100000

0

Time-->

11.90 12.00



#86

p-Isopropyltoluene

Concen: 49.591 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

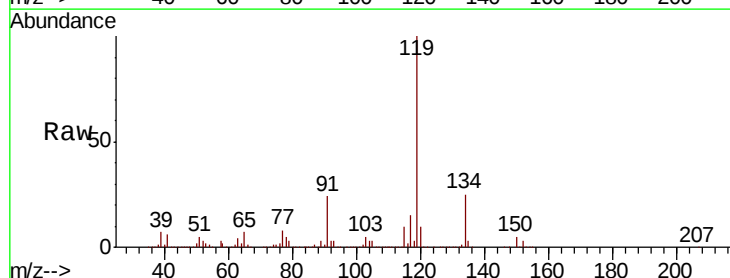
Tgt Ion:119 Resp: 504960

Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.6

91 23.7 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

500000

400000

300000

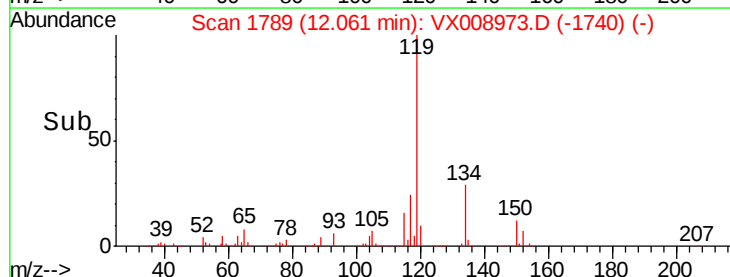
200000

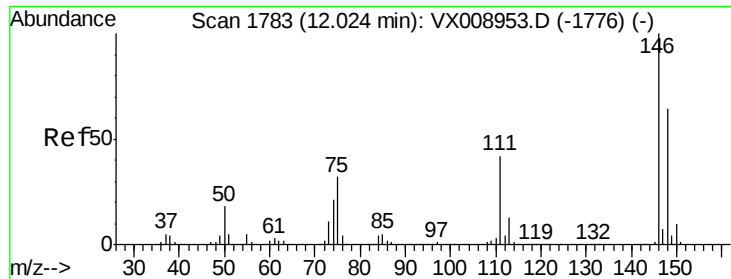
100000

0

Time-->

12.00 12.10

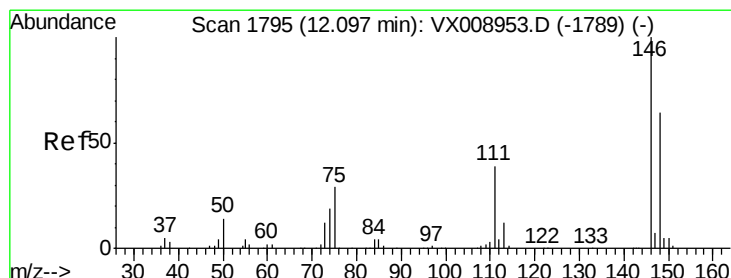
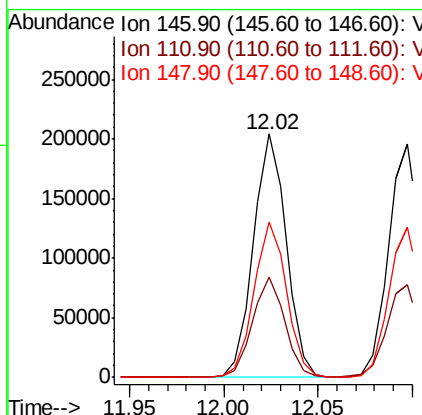
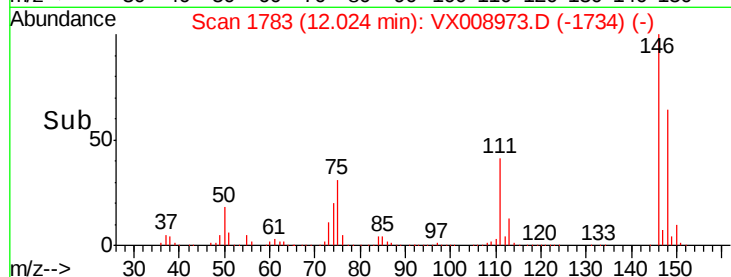
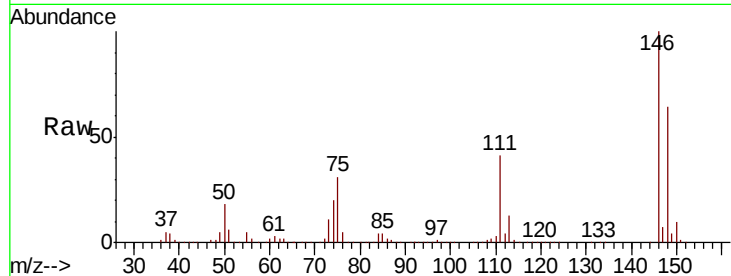




#87
 1,3-Dichlorobenzene
 Concen: 48.547 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

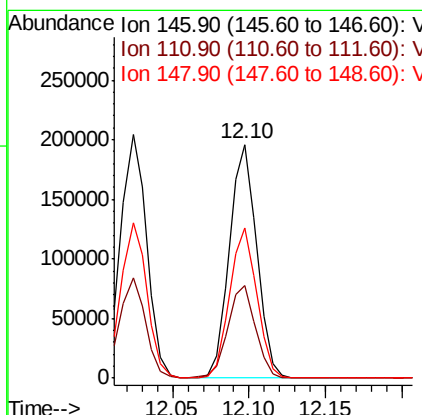
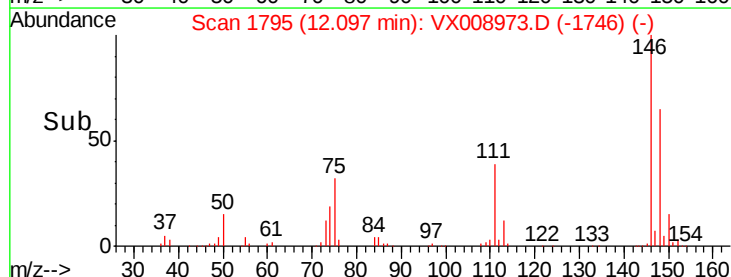
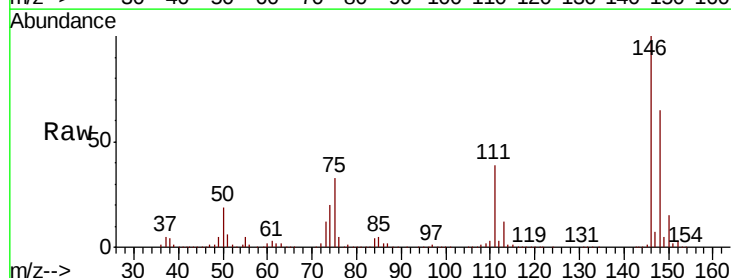
Instrument :
 MSVOA_X
 ClientSampleId :

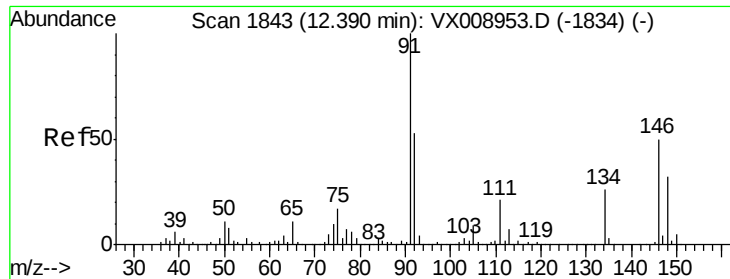
Tot Ion:146 Resp: 247098
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.5 61.6
 148 63.4 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 46.915 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Tgt Ion:146 Resp: 242065
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.0 59.9
 148 63.8 32.2 96.6





#89

n-Butylbenzene

Concen: 49.136 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampled :

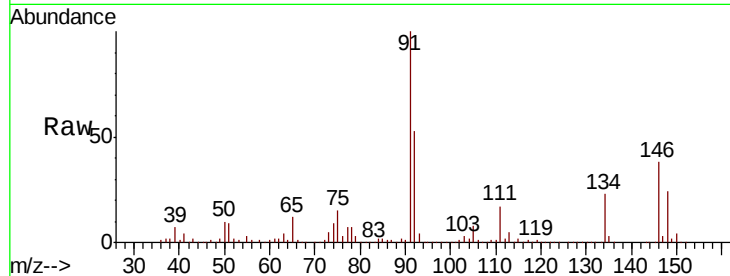
Tot Ion: 91 Resp: 465956

Ion Ratio Lower Upper

91 100

92 53.2 26.6 79.8

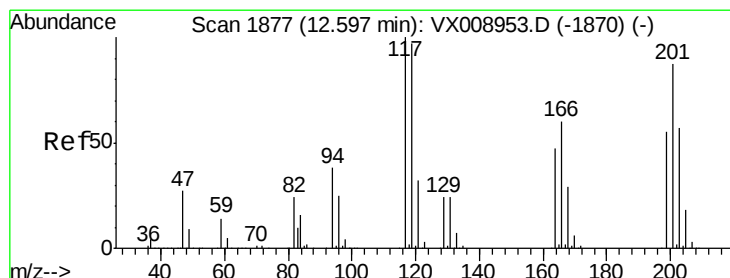
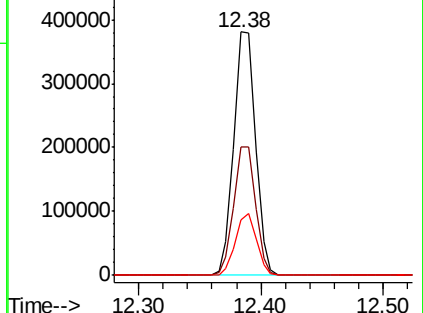
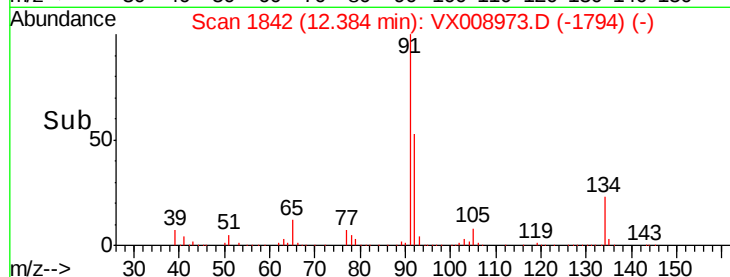
134 24.6 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX008973.D (-1794) (-)

Ion 92.00 (91.70 to 92.70): VX008973.D (-1794) (-)

Ion 134.00 (133.70 to 134.70): VX008973.D (-1794) (-)



#90

Hexachloroethane

Concen: 51.599 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX008973.D

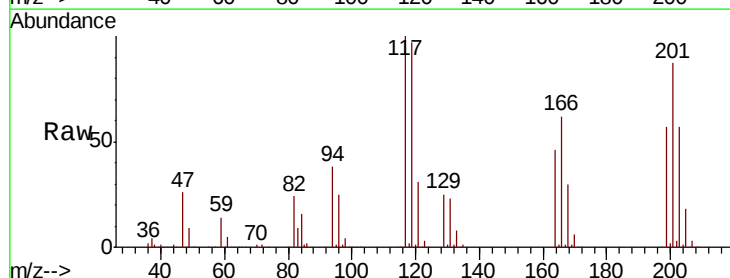
Acq: 15 Apr 2019 20:15

Tgt Ion: 117 Resp: 86669

Ion Ratio Lower Upper

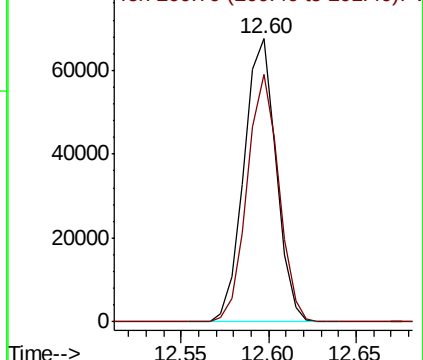
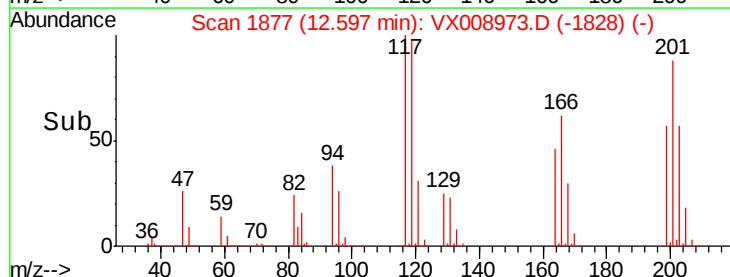
117 100

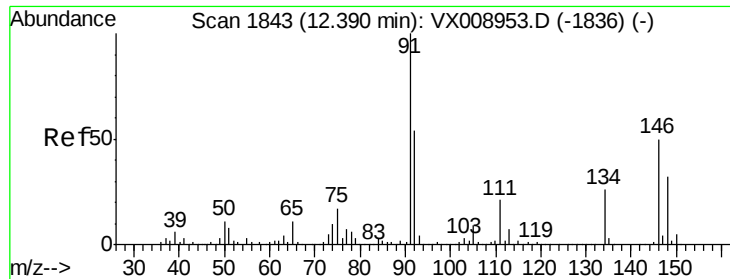
201 85.8 43.0 129.0



Abundance Ion 116.80 (116.50 to 117.50): VX008973.D (-1828) (-)

Ion 200.70 (200.40 to 201.40): VX008973.D (-1828) (-)





#91

1,2-Dichlorobenzene

Concen: 48.343 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampled :

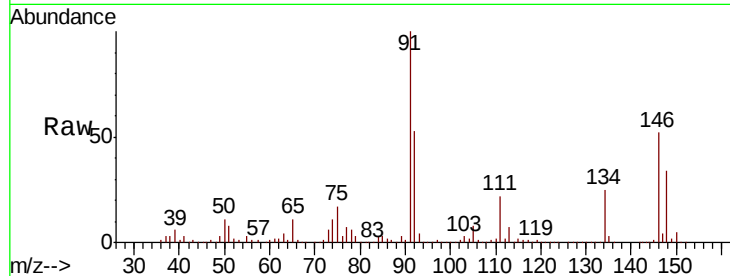
Tot Ion:146 Resp: 242977

Ion Ratio Lower Upper

146 100

111 41.5 20.6 61.9

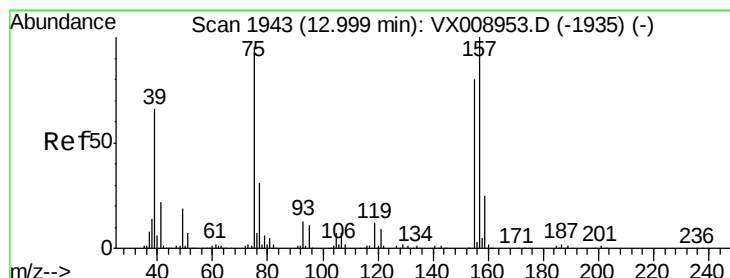
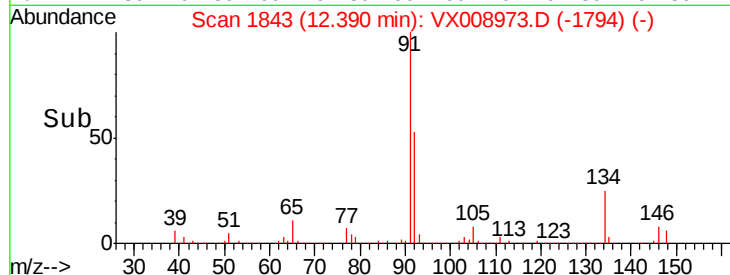
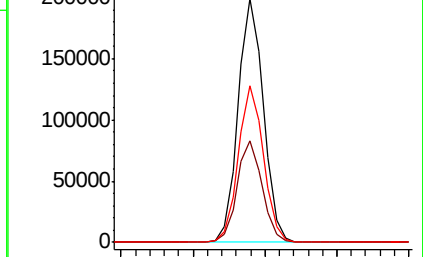
148 63.9 32.0 96.2



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: 47.556 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

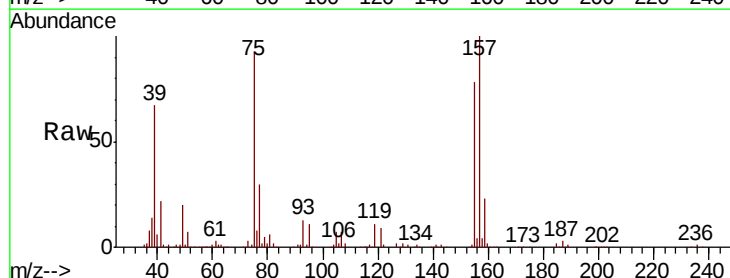
Tgt Ion: 75 Resp: 45600

Ion Ratio Lower Upper

75 100

155 83.2 41.2 123.6

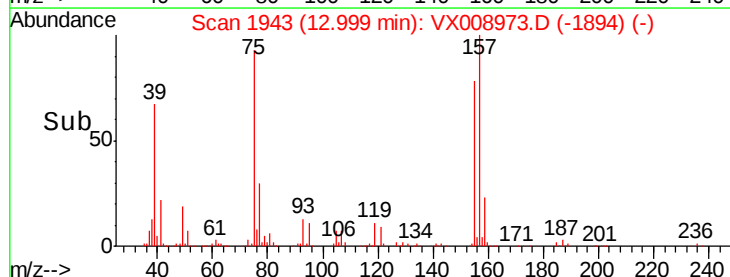
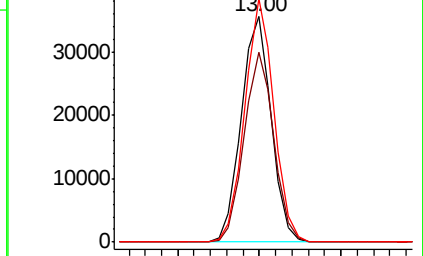
157 104.7 52.5 157.6

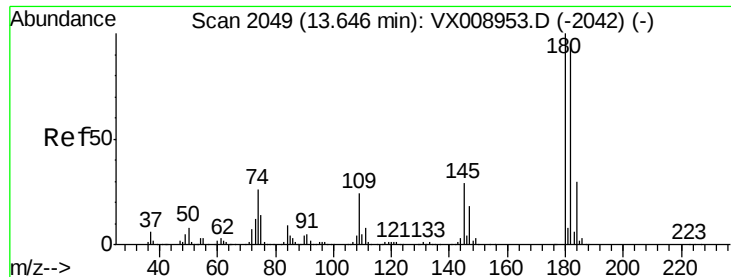


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

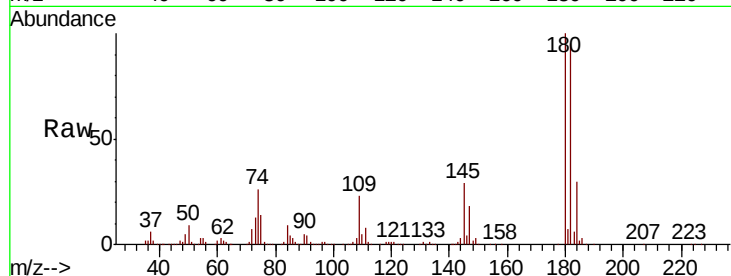




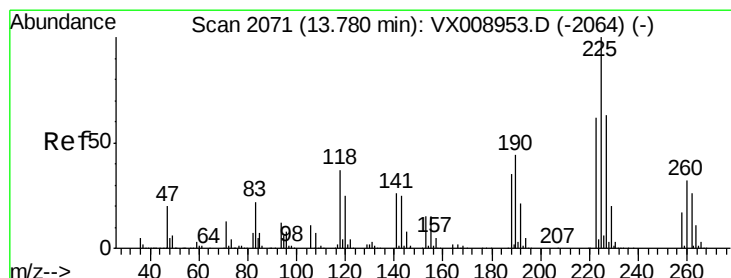
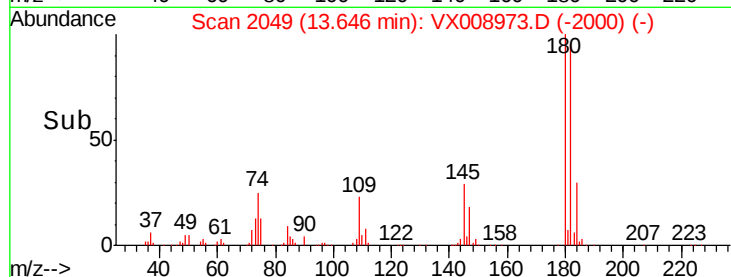
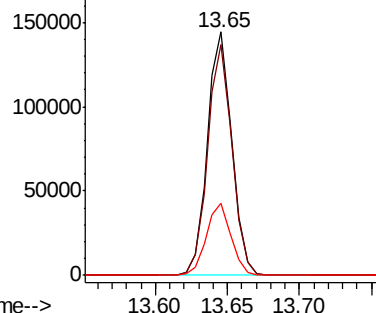
#93
 1,2,4-Trichlorobenzene
 Concen: 46.875 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 170070
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.6 142.9
 145 29.9 14.8 44.4

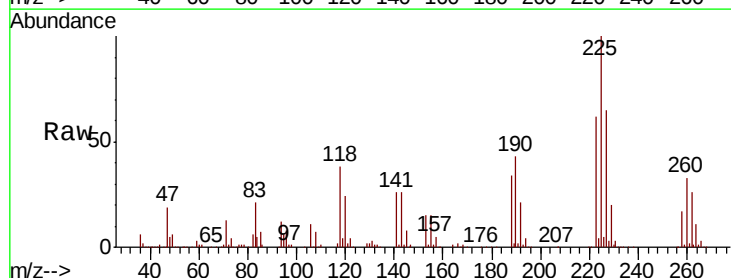


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

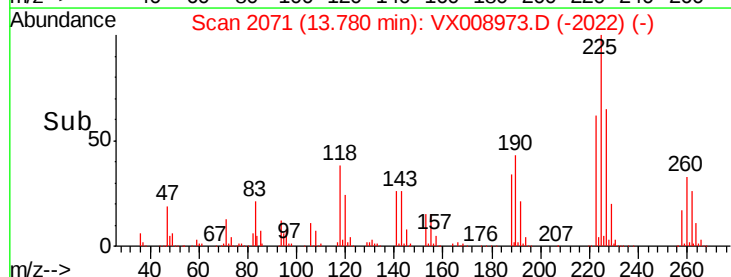
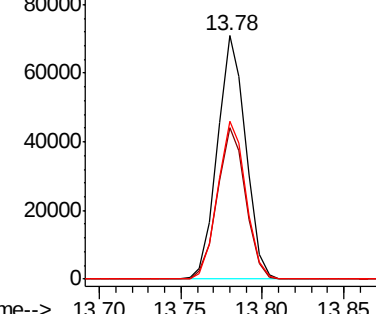


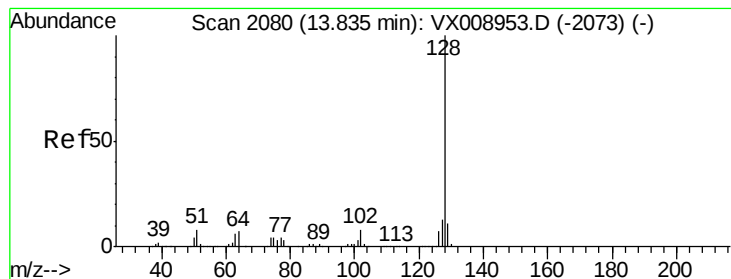
#94
 Hexachlorobutadiene
 Concen: 47.461 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Tgt Ion:225 Resp: 85883
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.1 93.2
 227 64.7 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 48.256 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

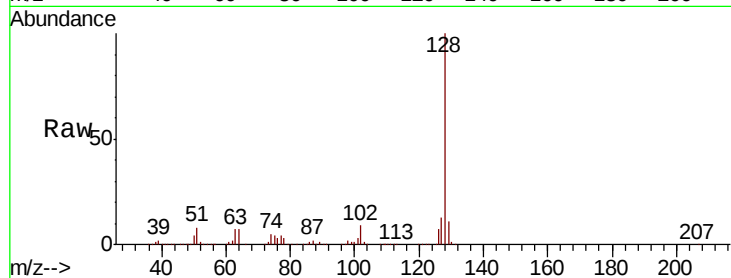
Tot Ion:128 Resp: 560935

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

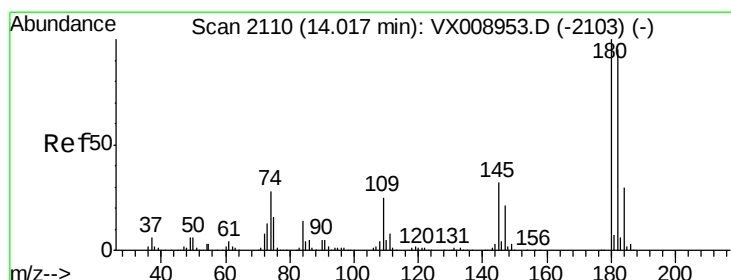
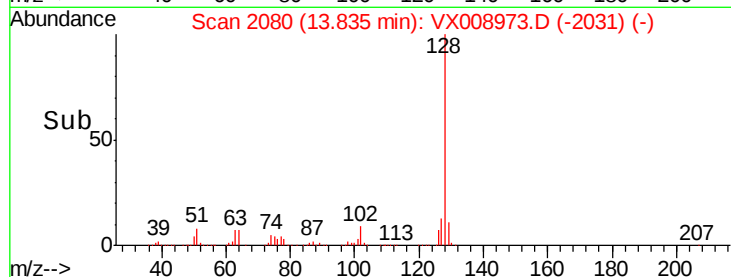
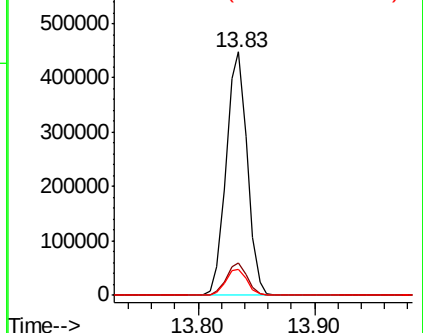
129 10.8 8.6 13.0



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: 47.447 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

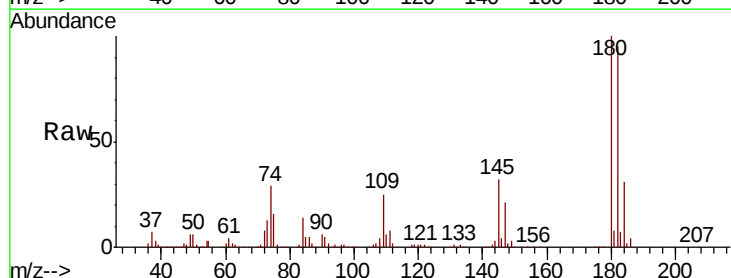
Tgt Ion:180 Resp: 169852

Ion Ratio Lower Upper

180 100

182 96.2 47.8 143.4

145 31.7 15.8 47.3



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

