

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
 Data File : VX007938.D
 Acq On : 08 Mar 2019 18:42
 Operator : JC/SP
 Sample : VX0308WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBSD02

Quant Time: Mar 09 03:52:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	258528	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	372241	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	331577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	161894	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	133364	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
35) Dibromofluoromethane	5.50	113	117776	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
50) Toluene-d8	8.71	98	443551	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.13	95	155737	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	42212	19.111	ug/l	97
3) Chloromethane	1.33	50	55268	19.417	ug/l	98
4) Vinyl Chloride	1.41	62	56181	19.864	ug/l	100
5) Bromomethane	1.64	94	32333	23.770	ug/l	99
6) Chloroethane	1.73	64	36436	19.392	ug/l	99
7) Trichlorofluoromethane	1.93	101	73155	19.867	ug/l	96
8) Diethyl Ether	2.19	74	31978	20.055	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	45403	19.897	ug/l	99
10) Methyl Iodide	2.51	142	66620	20.579	ug/l	99
11) Tert butyl alcohol	3.07	59	63683	104.416	ug/l	99
12) 1,1-Dichloroethene	2.38	96	43730	19.881	ug/l	97
13) Acrolein	2.30	56	29235	85.722	ug/l	100
14) Allyl chloride	2.73	41	89471	19.358	ug/l	99
15) Acrylonitrile	3.15	53	154110	100.108	ug/l	100
16) Acetone	2.45	43	146134	92.576	ug/l	100
17) Carbon Disulfide	2.57	76	132327	19.537	ug/l	98
18) Methyl Acetate	2.78	43	70261	20.951	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	154453	20.411	ug/l	99
20) Methylene Chloride	2.86	84	49701	19.783	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	47089	19.456	ug/l	98
22) Diisopropyl ether	3.87	45	168992	19.946	ug/l	100
23) Vinyl Acetate	3.82	43	730393	98.305	ug/l	100
24) 1,1-Dichloroethane	3.70	63	90894	19.935	ug/l	100
25) 2-Butanone	4.70	43	219475	98.208	ug/l	100
26) 2,2-Dichloropropane	4.59	77	57722	19.109	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	54160	19.556	ug/l	99
28) Bromochloromethane	5.03	49	42265	19.883	ug/l	99
29) Tetrahydrofuran	5.15	42	139768	100.265	ug/l	100
30) Chloroform	5.21	83	86026	19.946	ug/l	100
31) Cyclohexane	5.57	56	83329	19.885	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	70769	19.776	ug/l	99
36) 1,1-Dichloropropene	5.80	75	64829	19.234	ug/l	99
37) Ethyl Acetate	4.85	43	78308	19.578	ug/l	99
38) Carbon Tetrachloride	5.78	117	61423	19.195	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	80021	19.593	ug/l	99
40) Benzene	6.14	78	202410	20.172	ug/l	100
41) Methacrylonitrile	5.06	41	44811	20.549	ug/l	99
42) 1,2-Dichloroethane	6.20	62	66352	20.220	ug/l	100
43) Isopropyl Acetate	6.46	43	118789	20.067	ug/l	100
44) Trichloroethene	7.21	130	54069	19.553	ug/l	99
45) 1,2-Dichloropropane	7.52	63	53909	20.341	ug/l	97
46) Dibromomethane	7.66	93	33201	19.795	ug/l	99
47) Bromodichloromethane	7.90	83	62561	19.674	ug/l	100
48) Methyl methacrylate	7.77	41	63024	20.250	ug/l	100
49) 1,4-Dioxane	7.75	88	26029	407.127	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	397790	104.491	ug/l	100
52) Toluene	8.78	92	124049	20.249	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	64807	19.526	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	74827	19.964	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	51825	20.898	ug/l	99
56) Ethyl methacrylate	9.18	69	77555	20.828	ug/l	99
57) 1,3-Dichloropropane	9.37	76	86933	20.877	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	205904	106.902	ug/l	99
59) 2-Hexanone	9.49	43	302454	102.332	ug/l	100
60) Dibromochloromethane	9.58	129	51282	19.784	ug/l	99
61) 1,2-Dibromoethane	9.67	107	53734	20.408	ug/l	99
64) Tetrachloroethene	9.34	164	55012	20.021	ug/l	97
65) Chlorobenzene	10.14	112	135269	19.495	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	49080	19.737	ug/l	100
67) Ethyl Benzene	10.25	91	226751	19.853	ug/l	100
68) m/p-Xylenes	10.36	106	174731	39.690	ug/l	99
69) o-Xylene	10.69	106	84973	19.992	ug/l	100
70) Styrene	10.71	104	140480	20.198	ug/l	100
71) Bromoform	10.85	173	39465	18.480	ug/l #	98
73) Isopropylbenzene	11.02	105	228364	20.857	ug/l	100
74) N-amyl acetate	10.90	43	101353	20.276	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	75878	20.091	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	84979	25.014	ug/l	93
77) Bromobenzene	11.26	156	61260	20.407	ug/l	99
78) n-propylbenzene	11.36	91	251027	20.666	ug/l	99
79) 2-Chlorotoluene	11.42	91	151683	20.424	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	188217	20.886	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	20100	18.912	ug/l	92
82) 4-Chlorotoluene	11.51	91	174465	20.498	ug/l	100
83) tert-Butylbenzene	11.77	119	184563	20.332	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	192406	20.827	ug/l	99
85) sec-Butylbenzene	11.94	105	223549	20.910	ug/l	99
86) p-Isopropyltoluene	12.06	119	199642	20.851	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	106896	20.128	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	107083	19.689	ug/l	99
89) n-Butylbenzene	12.38	91	165334	20.382	ug/l	99
90) Hexachloroethane	12.60	117	31199	19.489	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	105952	20.083	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15122	19.158	ug/l	98

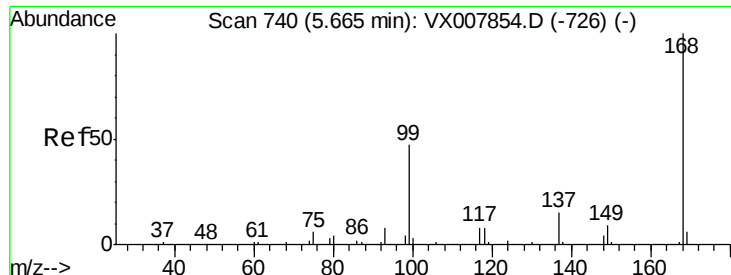
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
Data File : VX007938.D
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Instrument :
MSVOA_X
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VX0308WBSD02

Quant Time: Mar 09 03:52:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	72866	19.660	ug/l	100
94) Hexachlorobutadiene	13.78	225	39375	20.320	ug/l	99
95) Naphthalene	13.83	128	218855	20.494	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	74344	20.136	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

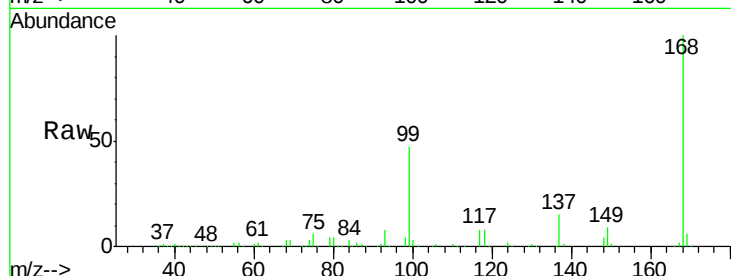
VX0308WBSD02

Tot Ion:168 Resp: 258528

Ion Ratio Lower Upper

168 100

99 47.0 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

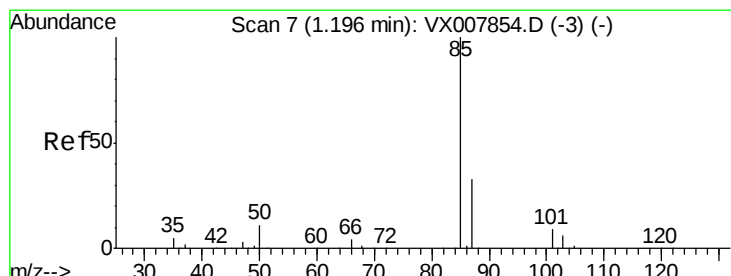
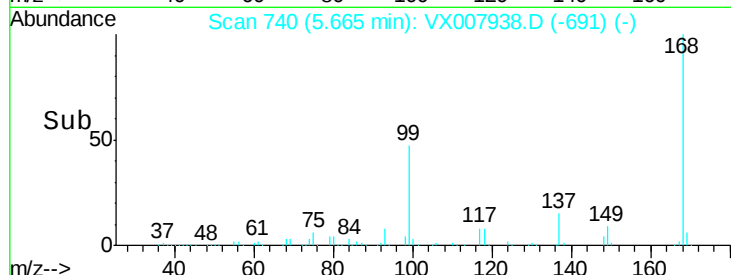
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 19.111 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007938.D

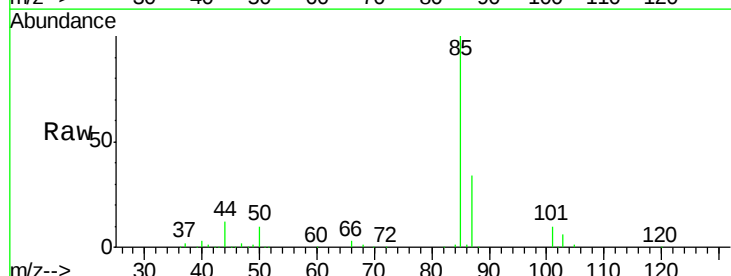
Acq: 08 Mar 2019 18:42

Tgt Ion: 85 Resp: 42212

Ion Ratio Lower Upper

85 100

87 34.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

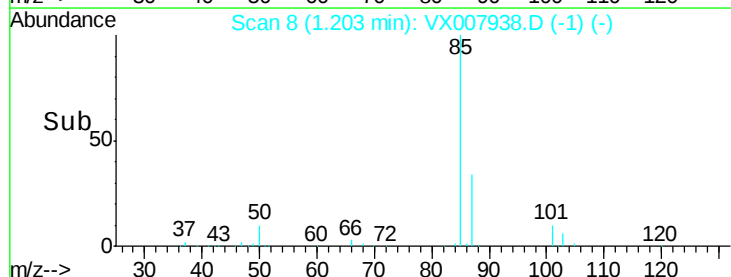
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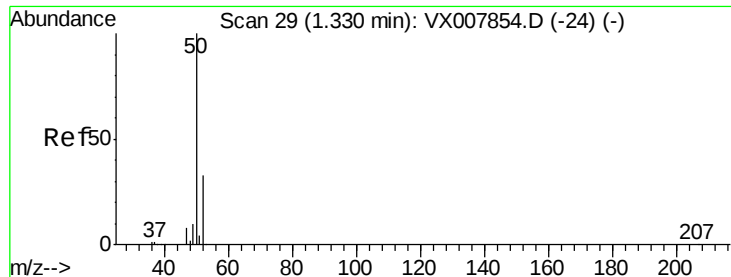
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.417 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

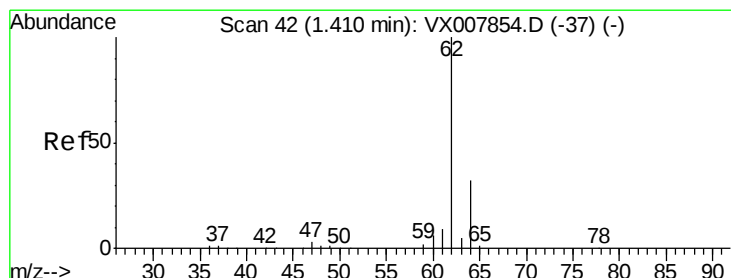
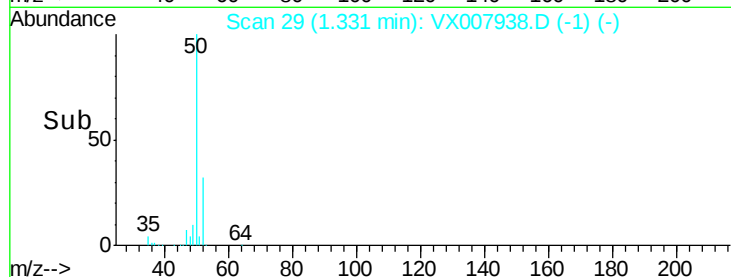
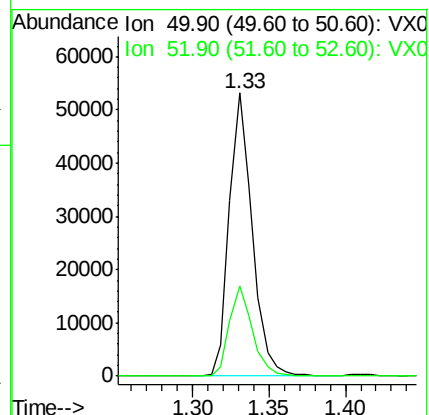
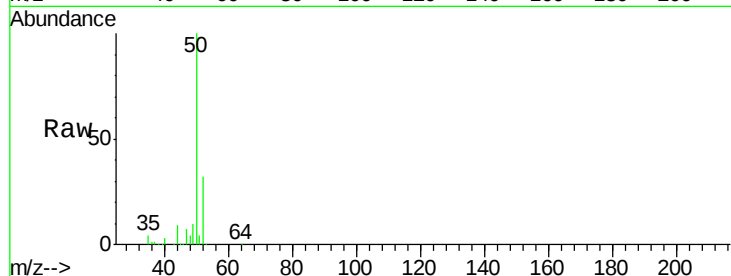
VX0308WBSD02

Tot Ion: 50 Resp: 55268

Ion Ratio Lower Upper

50 100

52 31.9 26.5 39.7



#4

Vinyl Chloride

Concen: 19.864 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007938.D

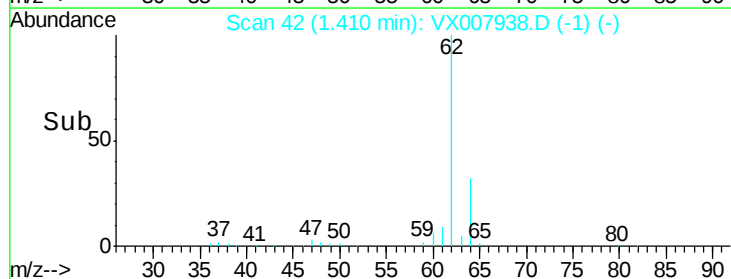
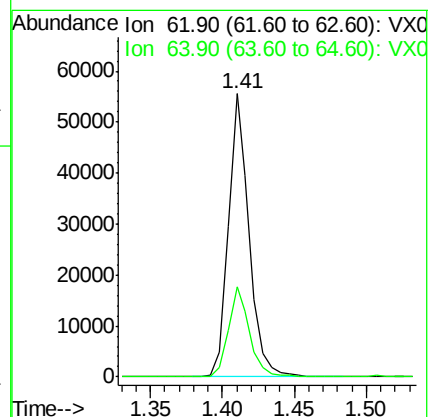
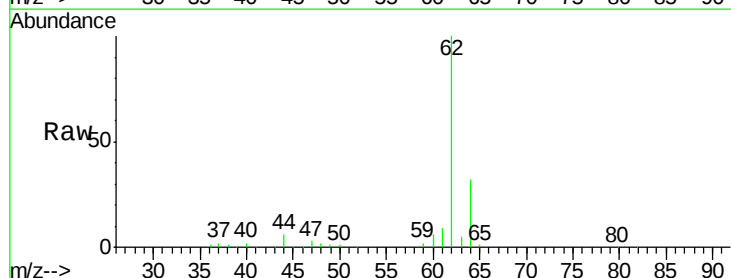
Acq: 08 Mar 2019 18:42

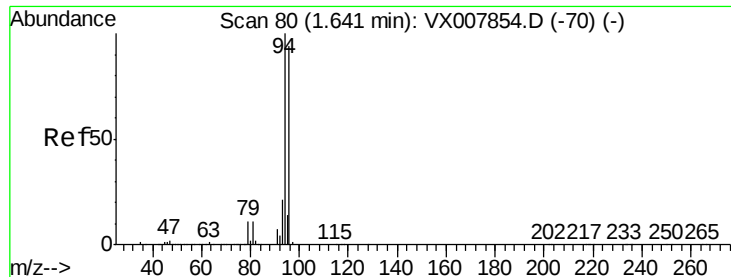
Tgt Ion: 62 Resp: 56181

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 23.770 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

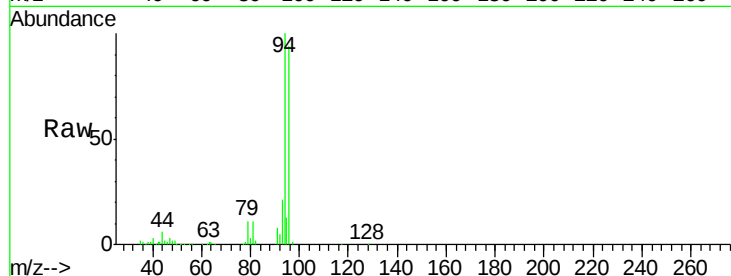
VX0308WBSD02

Tot Ion: 94 Resp: 32333

Ion Ratio Lower Upper

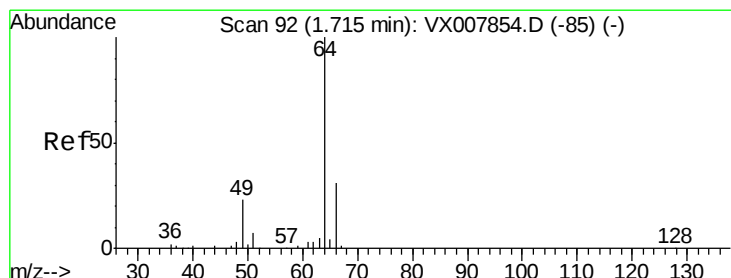
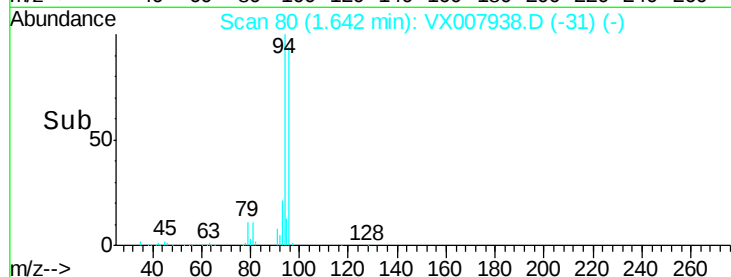
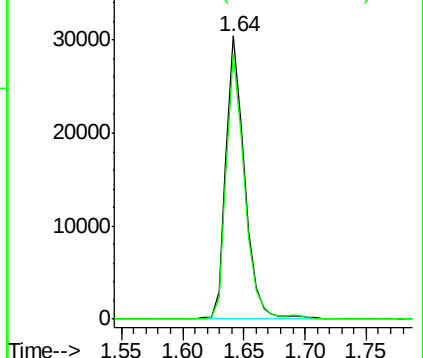
94 100

96 93.8 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.392 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007938.D

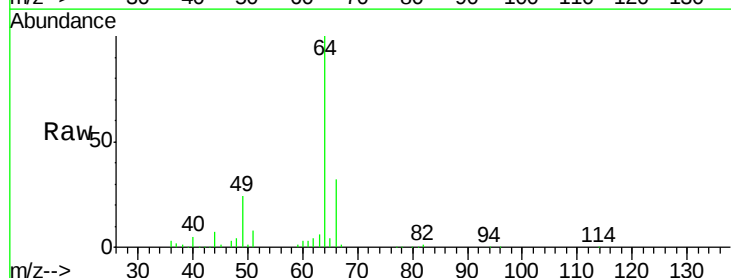
Acq: 08 Mar 2019 18:42

Tgt Ion: 64 Resp: 36436

Ion Ratio Lower Upper

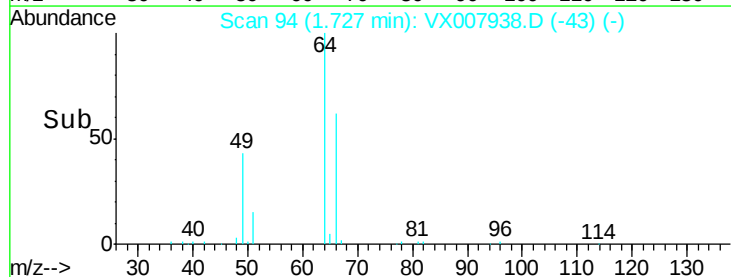
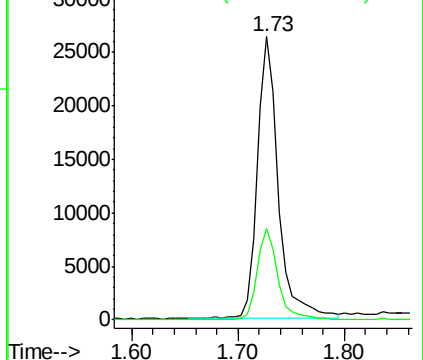
64 100

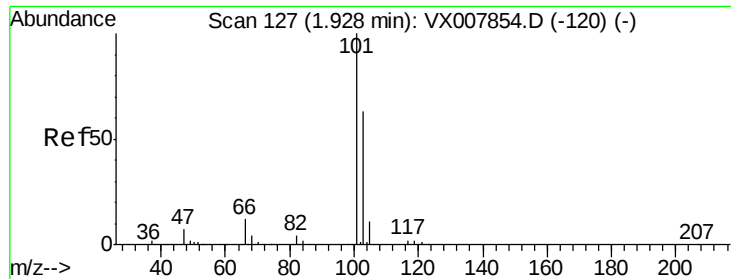
66 32.3 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



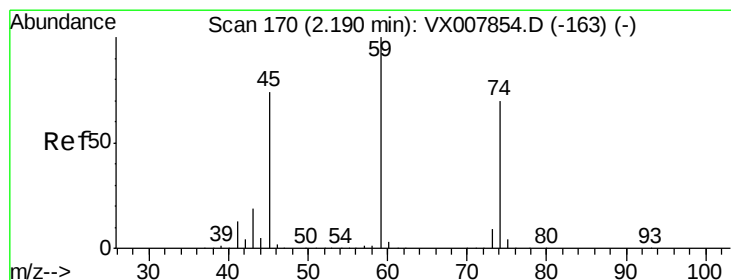
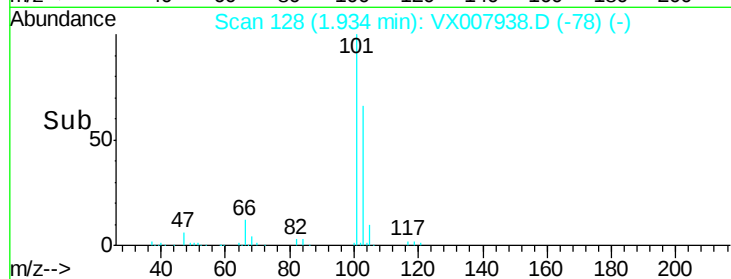
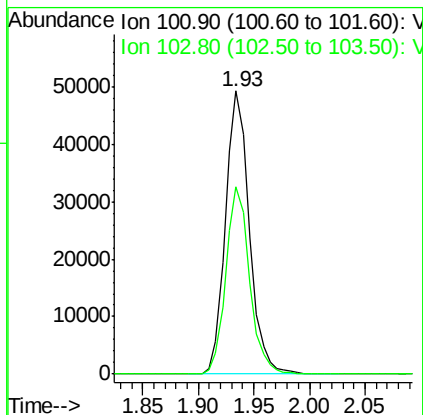
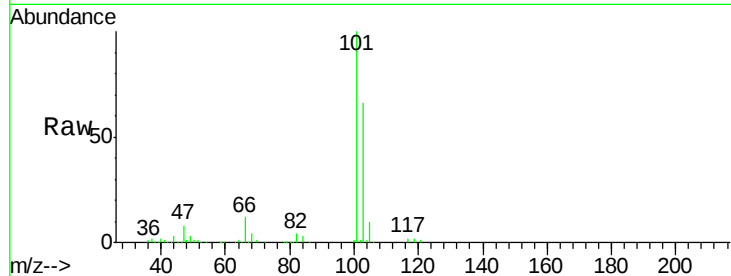


#7

Trichlorofluoromethane
Concen: 19.867 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

Instrument :
MSVOA_X
ClientSampleId :
VX0308WBSD02

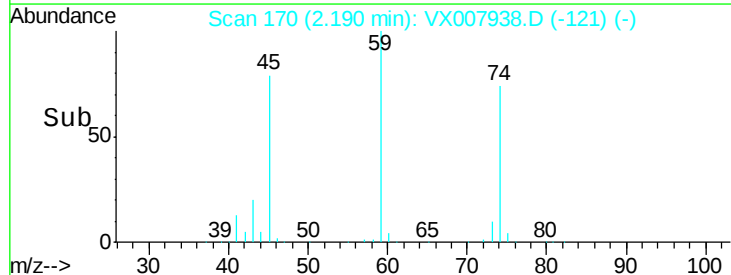
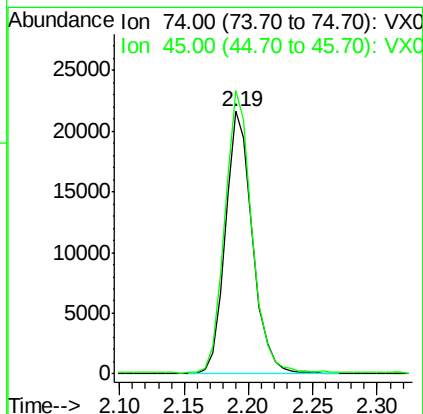
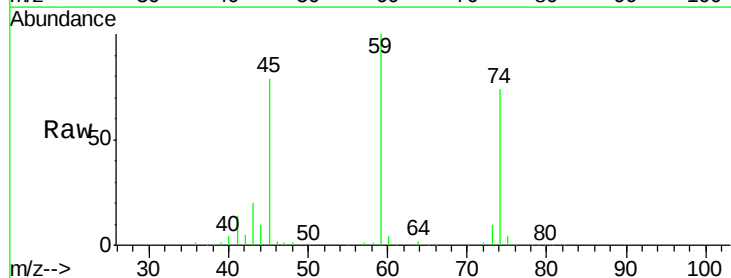
Tot Ion:101 Resp: 73155
Ion Ratio Lower Upper
101 100
103 66.3 50.4 75.6

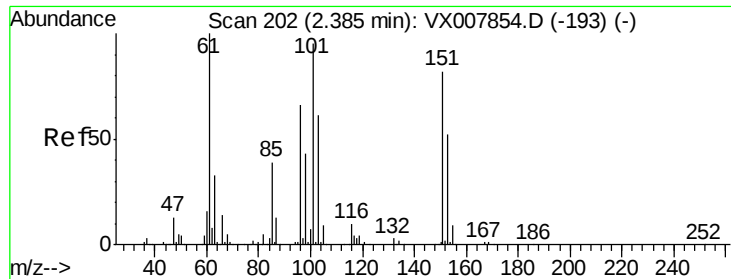


#8

Diethyl Ether
Concen: 20.055 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

Tgt Ion: 74 Resp: 31978
Ion Ratio Lower Upper
74 100
45 108.0 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.897 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBSD02

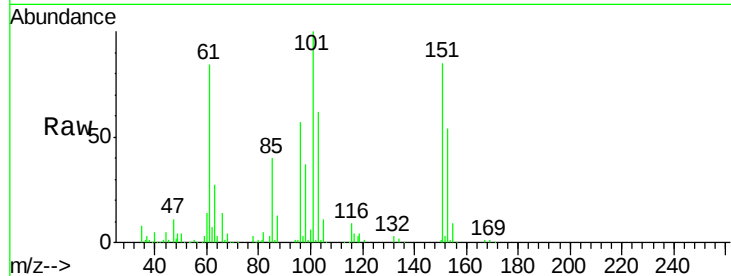
Tot Ion:101 Resp: 45403

Ion Ratio Lower Upper

101 100

85 42.2 33.8 50.6

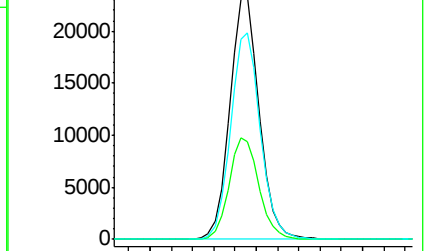
151 85.7 69.1 103.7



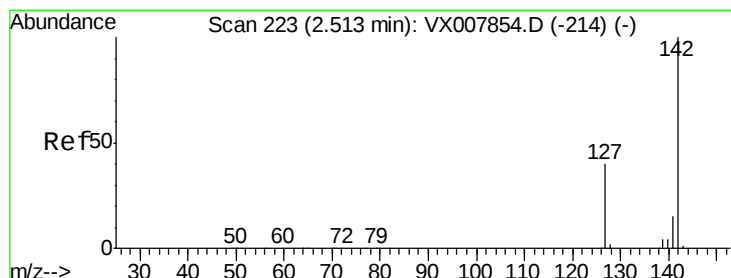
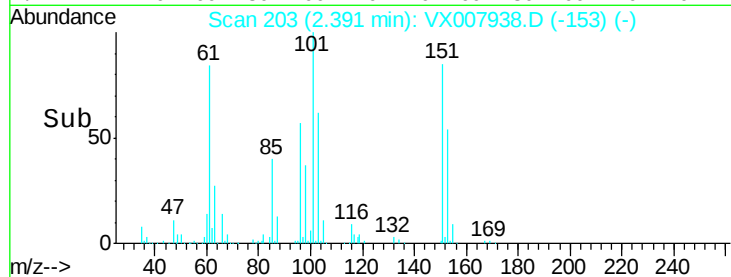
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



Time-->



#10

Methyl Iodide

Concen: 20.579 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

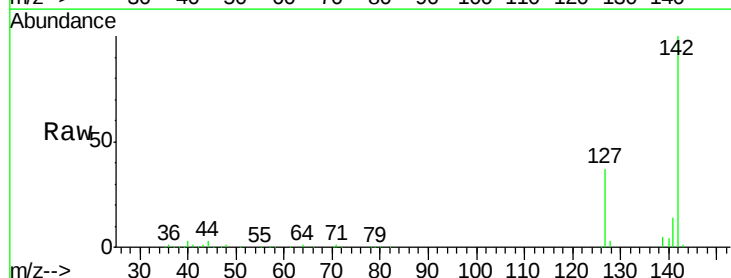
Tgt Ion:142 Resp: 66620

Ion Ratio Lower Upper

142 100

127 39.0 32.1 48.1

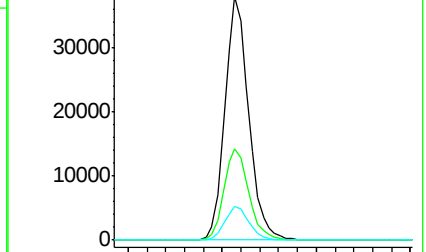
141 14.1 11.4 17.2



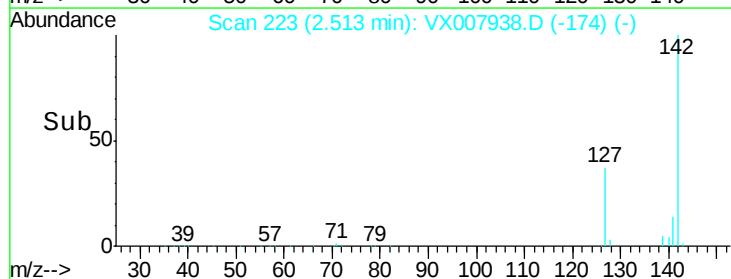
Abundance Ion 141.80 (141.50 to 142.50): V

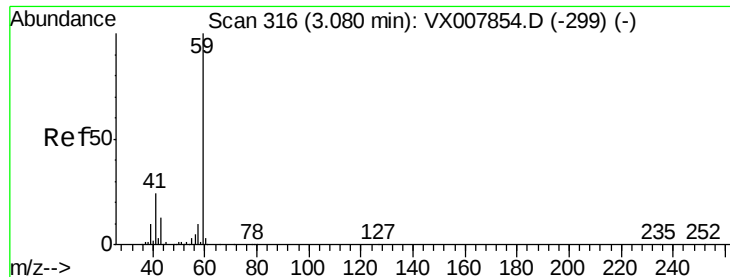
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



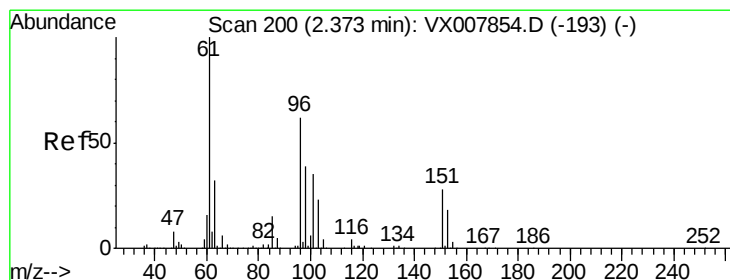
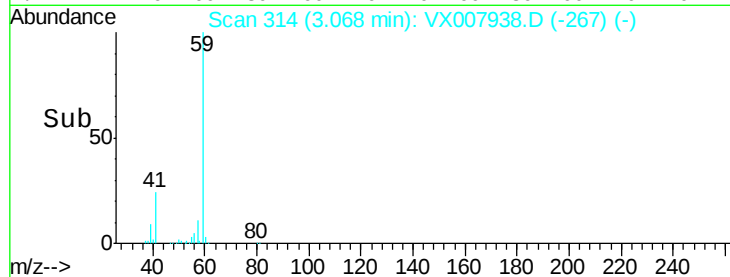
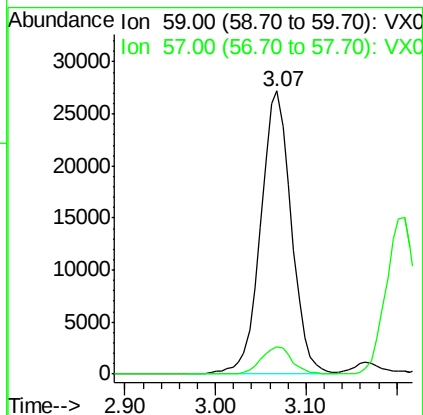
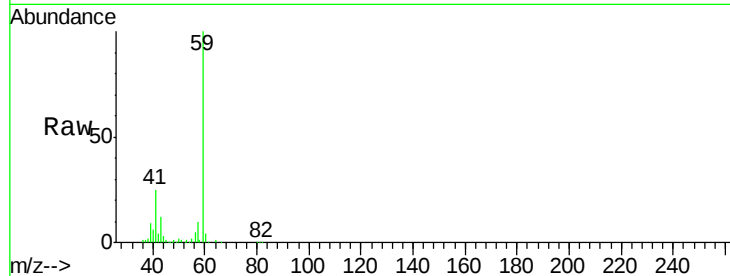


#11

Tert butyl alcohol
 Concen: 104.416 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX007938.D
 Acq: 08 Mar 2019 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBSD02

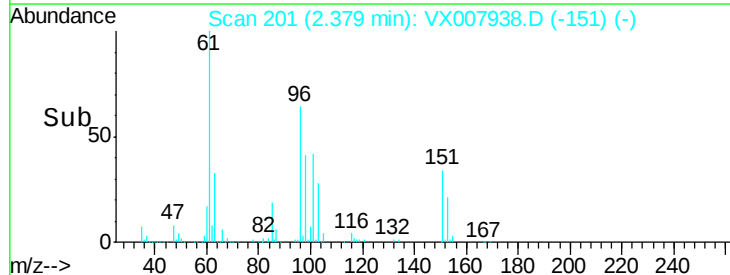
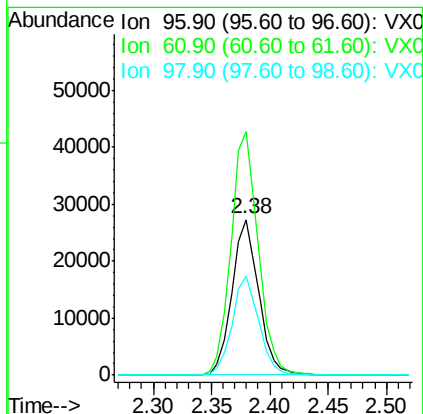
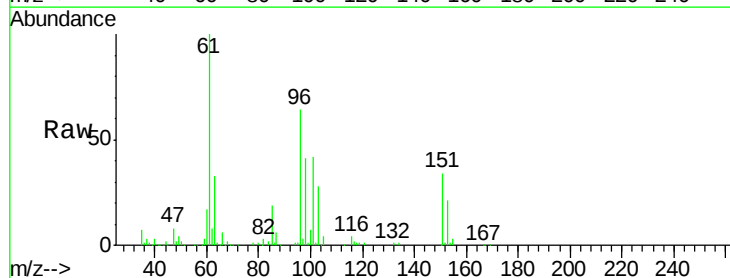
Tot Ion: 59 Resp: 63683
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.2 12.2

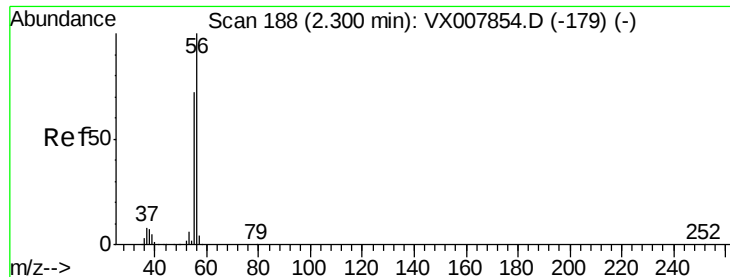


#12

1,1-Dichloroethene
 Concen: 19.881 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX007938.D
 Acq: 08 Mar 2019 18:42

Tgt Ion: 96 Resp: 43730
 Ion Ratio Lower Upper
 96 100
 61 156.3 129.8 194.6
 98 63.7 51.0 76.6





#13

Acrolein

Concen: 85.722 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

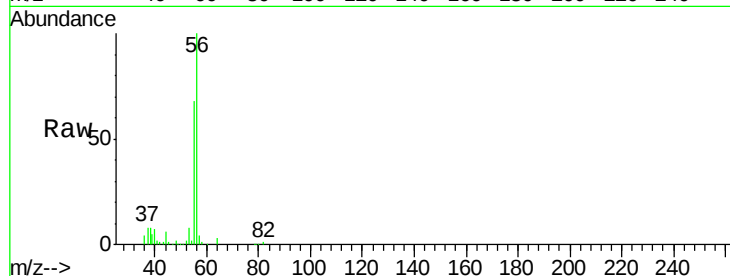
VX0308WBSD02

Tot Ion: 56 Resp: 29235

Ion Ratio Lower Upper

56 100

55 72.2 57.8 86.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

20000

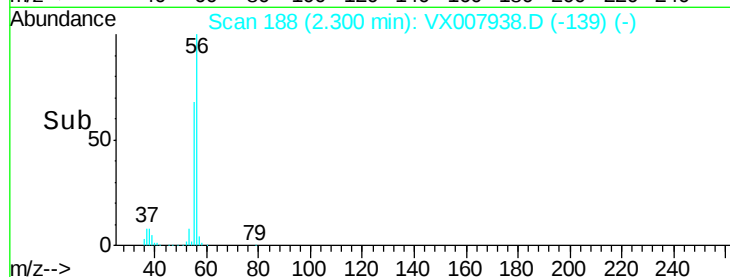
15000

10000

5000

0

Time-->

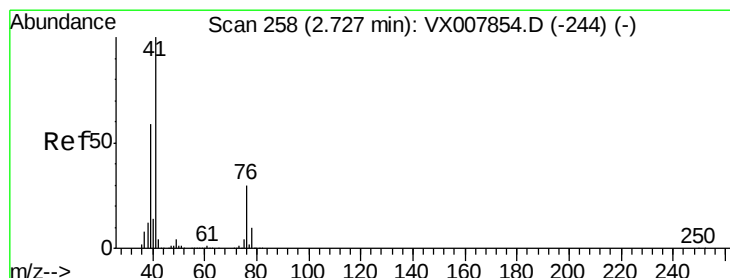


2.30

2.20

2.30

2.40



#14

Allyl chloride

Concen: 19.358 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

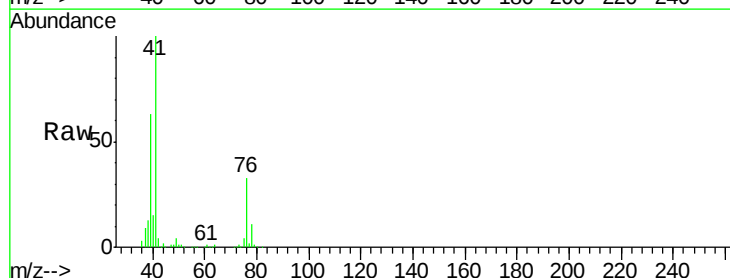
Tgt Ion: 41 Resp: 89471

Ion Ratio Lower Upper

41 100

39 58.5 46.1 69.1

76 29.7 24.0 36.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

60000

50000

40000

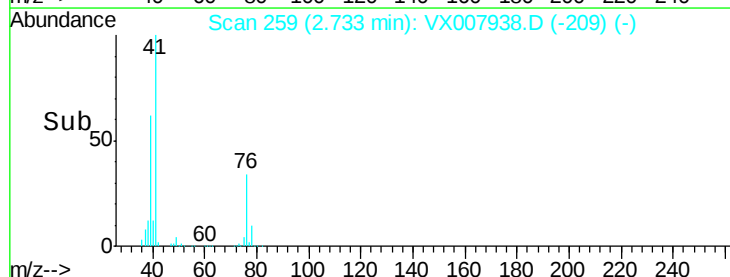
30000

20000

10000

0

Time-->

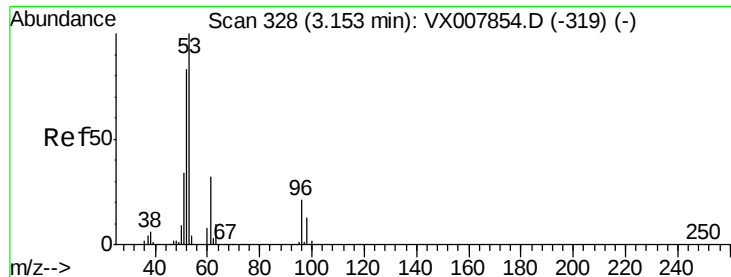


2.73

2.60

2.70

2.80



#15

Acrylonitrile

Concen: 100.108 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBSD02

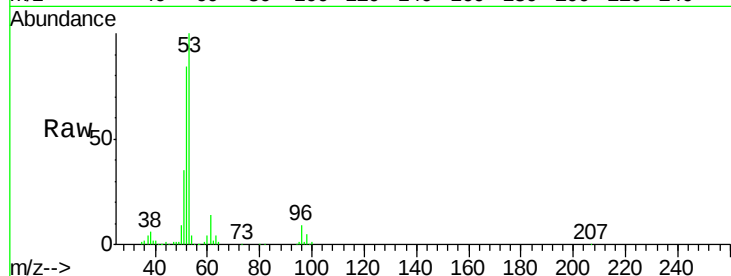
Tot Ion: 53 Resp: 154110

Ion Ratio Lower Upper

53 100

52 82.6 66.0 99.0

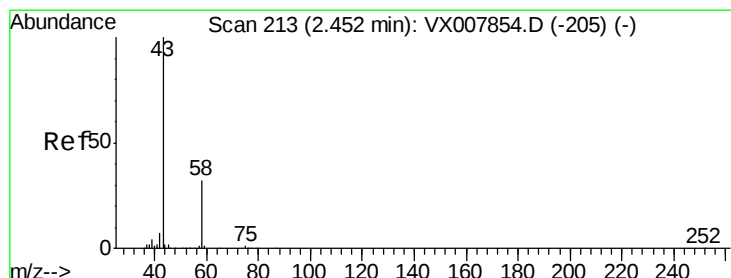
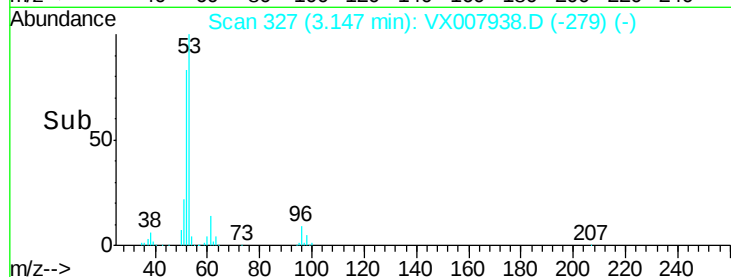
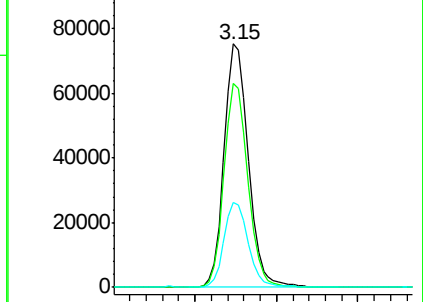
51 35.1 28.0 42.0



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: 92.576 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007938.D

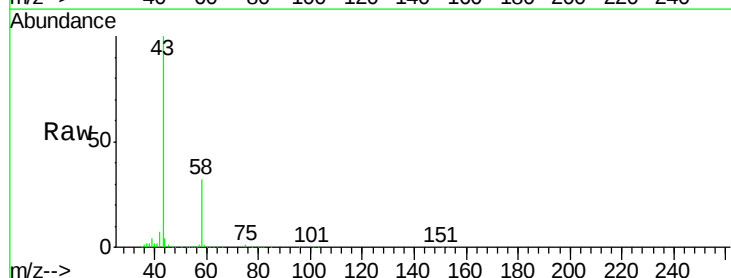
Acq: 08 Mar 2019 18:42

Tgt Ion: 43 Resp: 146134

Ion Ratio Lower Upper

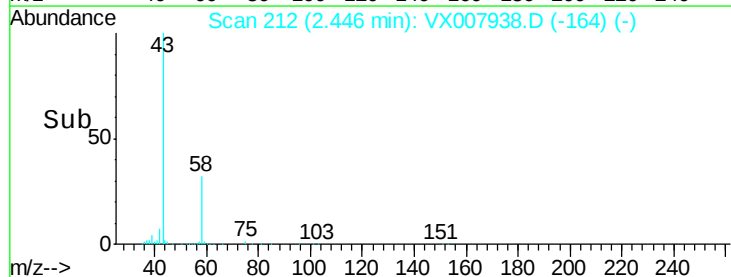
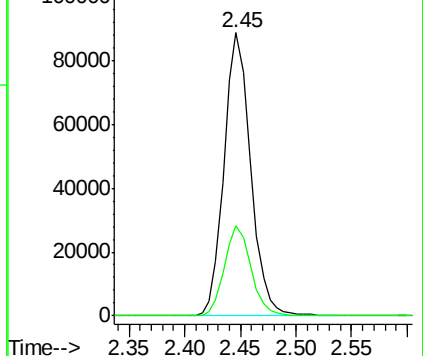
43 100

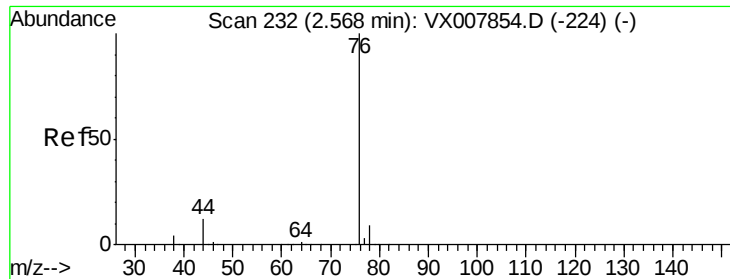
58 31.9 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

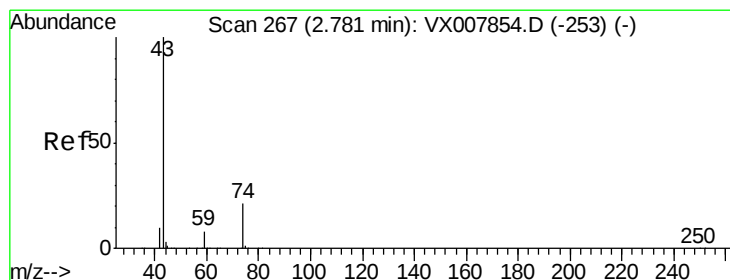
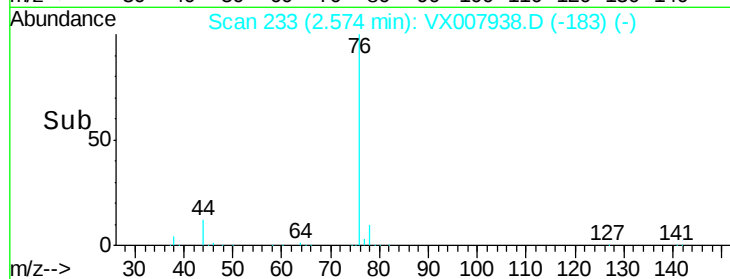
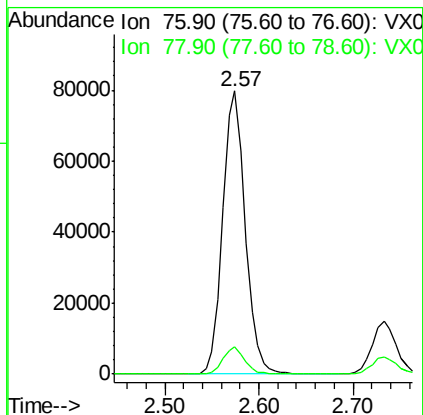
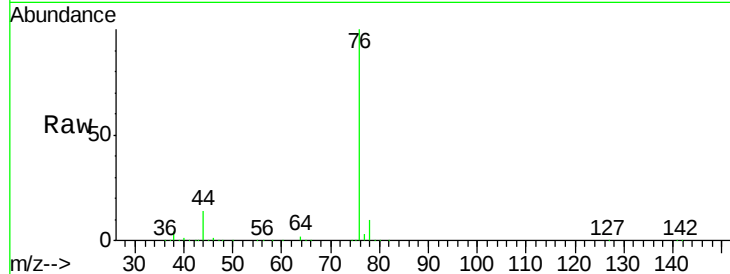




#17
Carbon Disulfide
Concen: 19.537 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

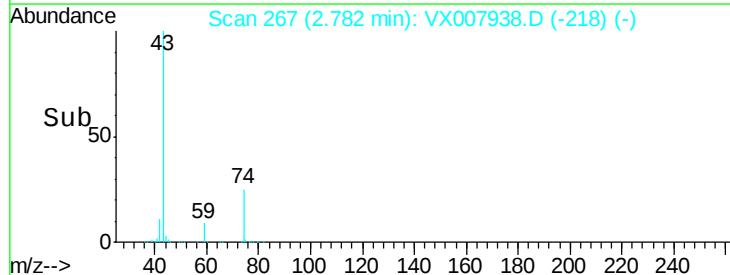
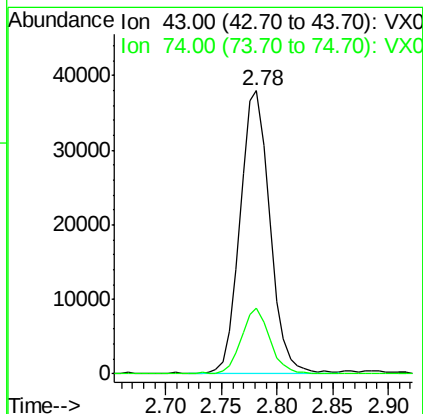
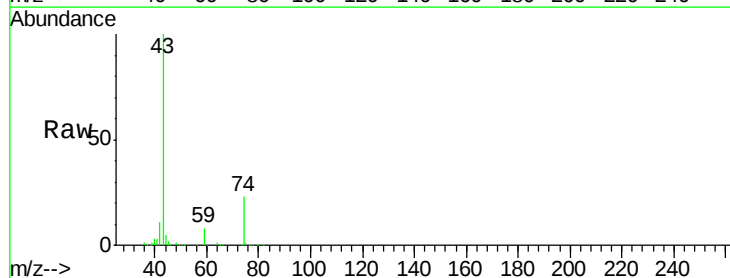
Instrument :
MSVOA_X
ClientSampleId :
VX0308WBSD02

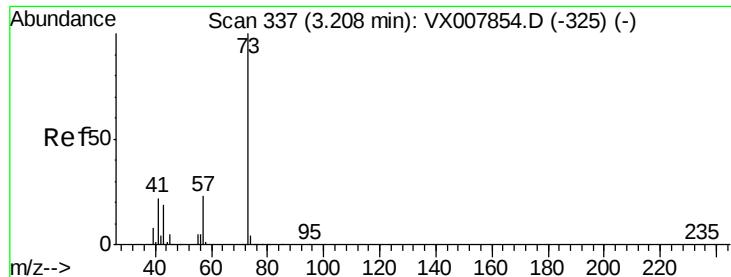
Tot Ion: 76 Resp: 132327
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8



#18
Methyl Acetate
Concen: 20.951 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

Tgt Ion: 43 Resp: 70261
Ion Ratio Lower Upper
43 100
74 22.7 17.8 26.6

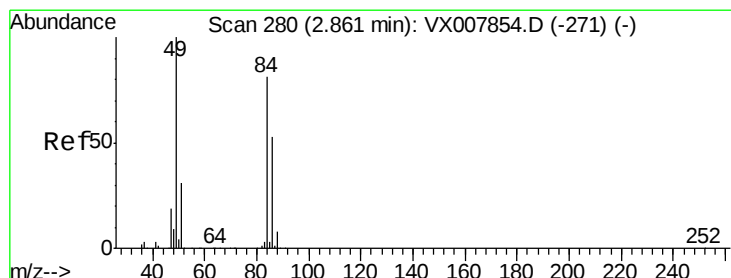
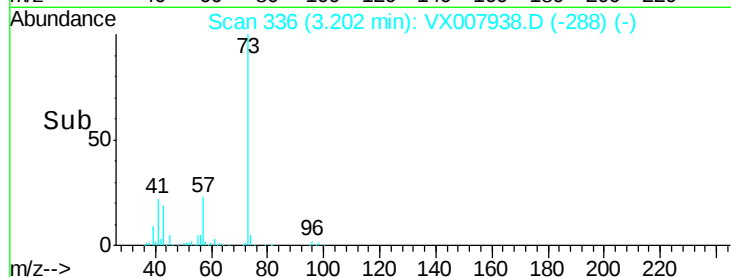
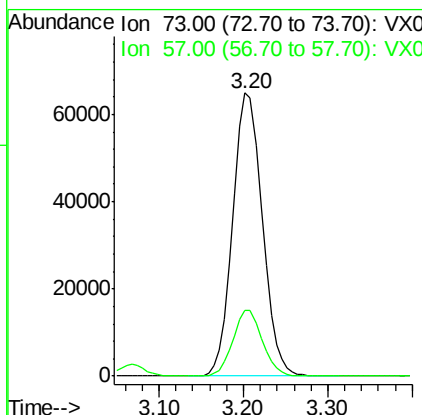
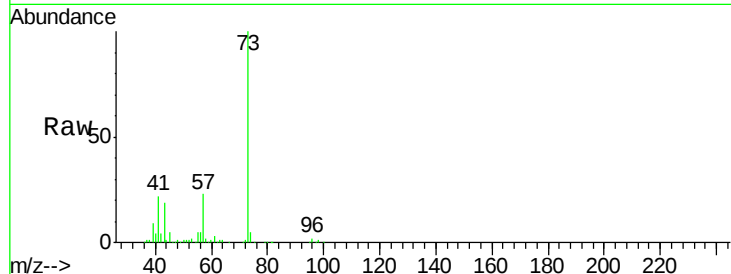




#19
Methyl tert-butyl Ether
Concen: 20.411 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

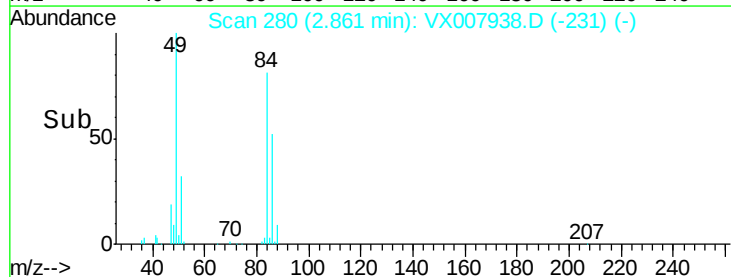
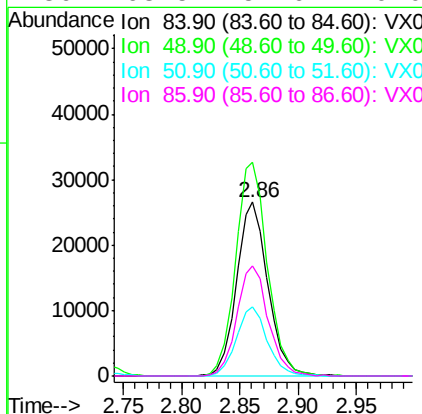
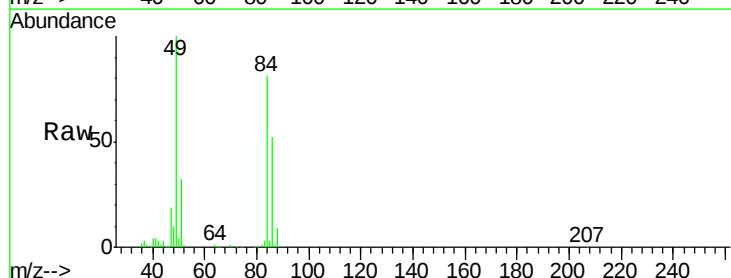
Instrument :
MSVOA_X
ClientSampleId :
VX0308WBSD02

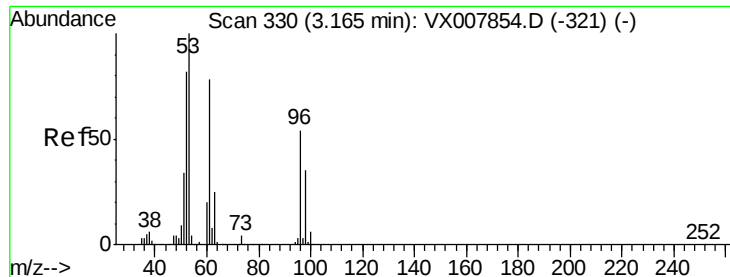
Tot Ion: 73 Resp: 154453
Ion Ratio Lower Upper
73 100
57 23.0 18.2 27.4



#20
Methylene Chloride
Concen: 19.783 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

Tgt Ion: 84 Resp: 49701
Ion Ratio Lower Upper
84 100
49 122.9 99.3 148.9
51 39.5 31.3 46.9
86 63.5 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.456 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBSD02

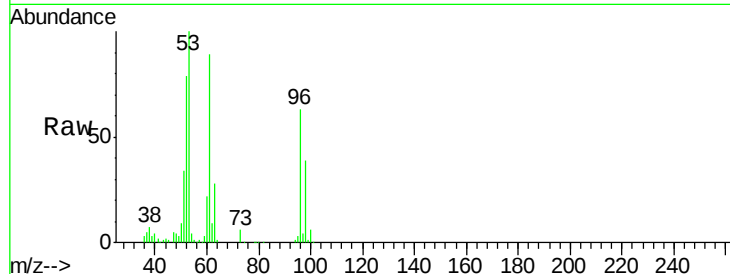
Tot Ion: 96 Resp: 47089

Ion Ratio Lower Upper

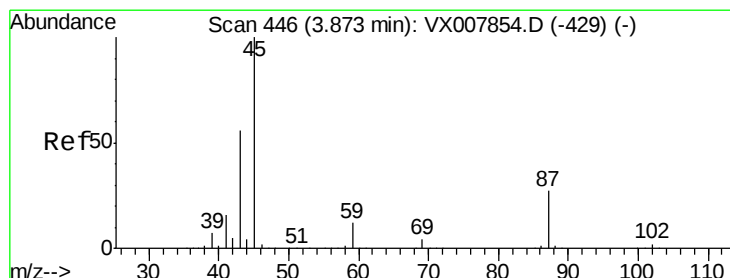
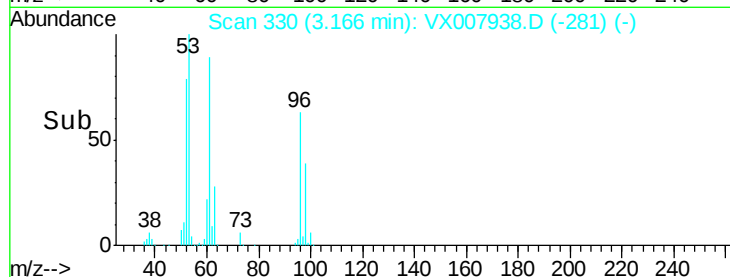
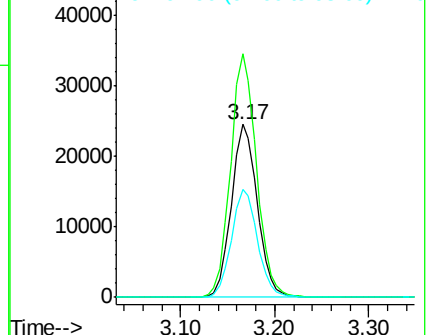
96 100

61 140.7 114.4 171.6

98 62.7 51.1 76.7



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: 19.946 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Tgt Ion: 45 Resp: 168992

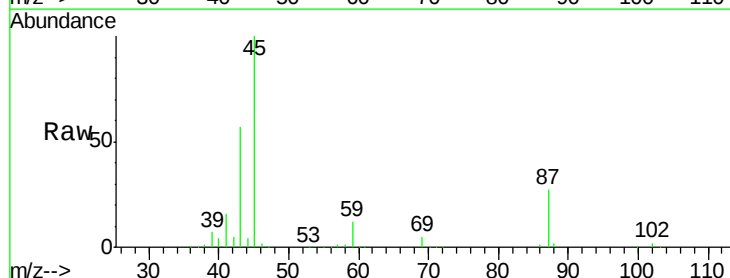
Ion Ratio Lower Upper

45 100

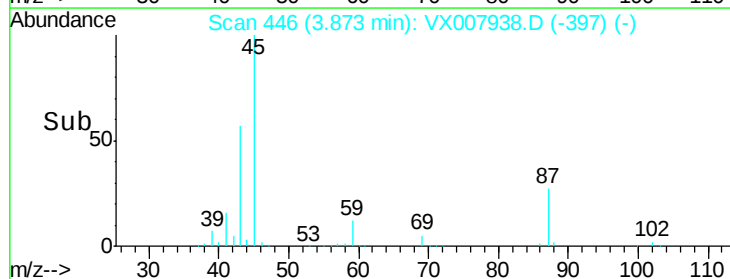
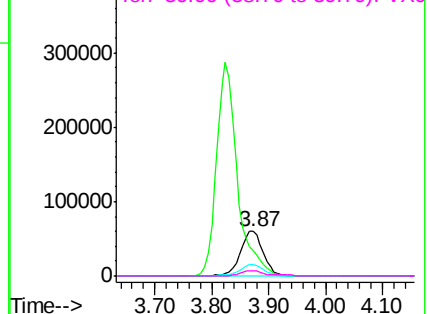
43 57.1 45.3 67.9

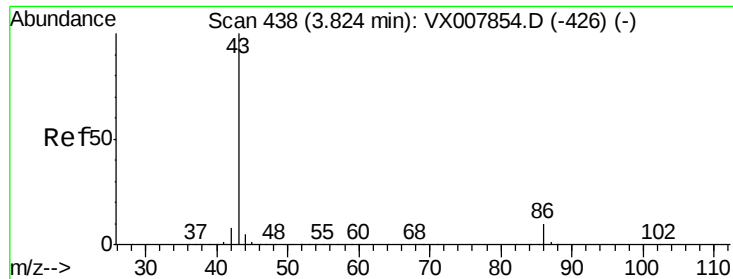
87 26.8 21.4 32.0

59 11.8 9.5 14.3



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: 98.305 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

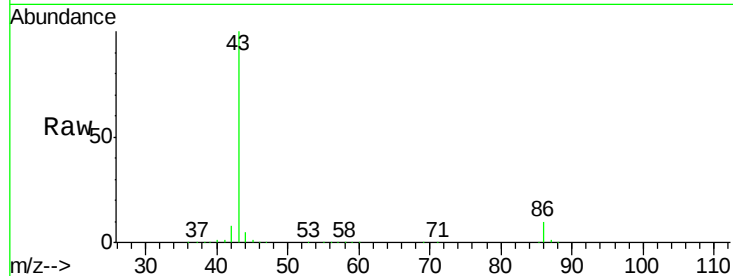
VX0308WBSD02

Tot Ion: 43 Resp: 730393

Ion Ratio Lower Upper

43 100

86 9.9 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

300000

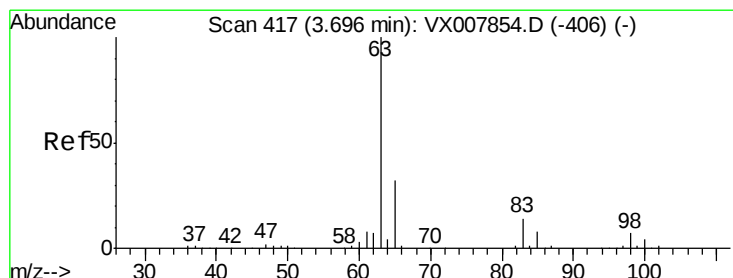
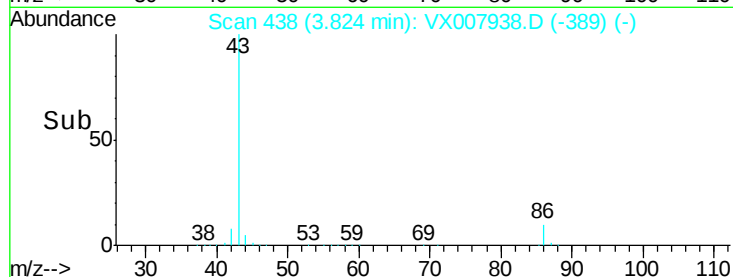
200000

100000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.935 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

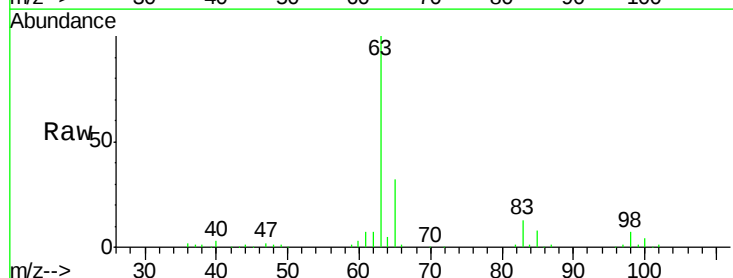
Tgt Ion: 63 Resp: 90894

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.3 2.3 6.8



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

3.70

50000

40000

30000

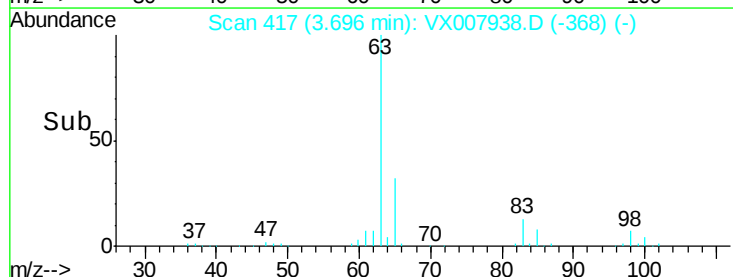
20000

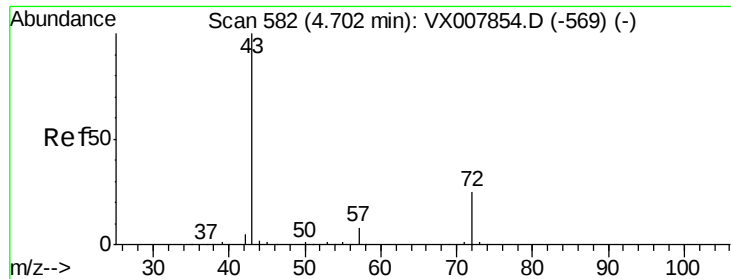
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 98.208 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

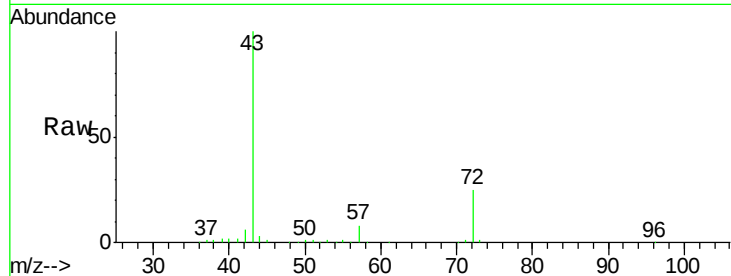
VX0308WBSD02

Tot Ion: 43 Resp: 219475

Ion Ratio Lower Upper

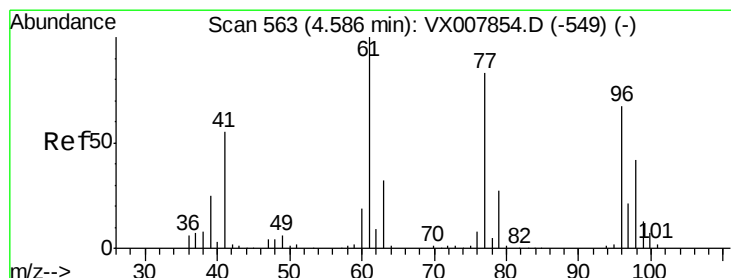
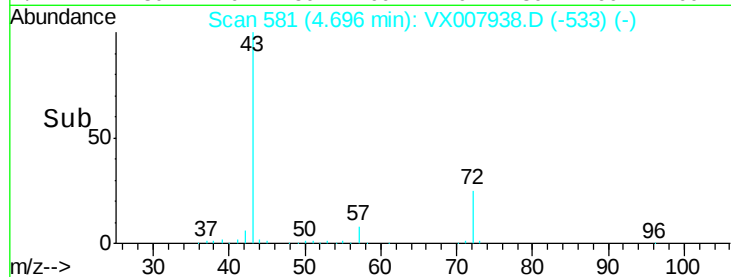
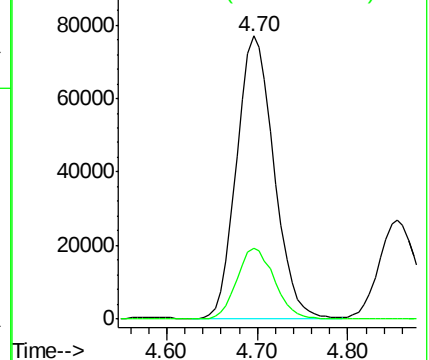
43 100

72 25.0 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.109 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX007938.D

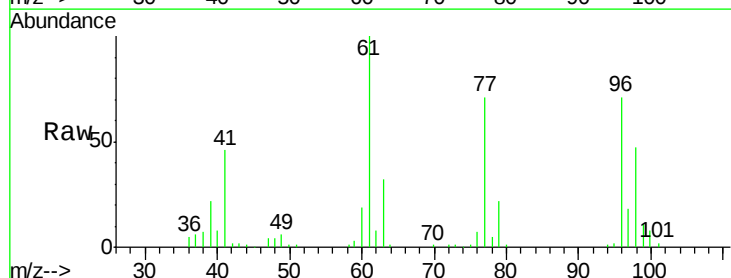
Acq: 08 Mar 2019 18:42

Tgt Ion: 77 Resp: 57722

Ion Ratio Lower Upper

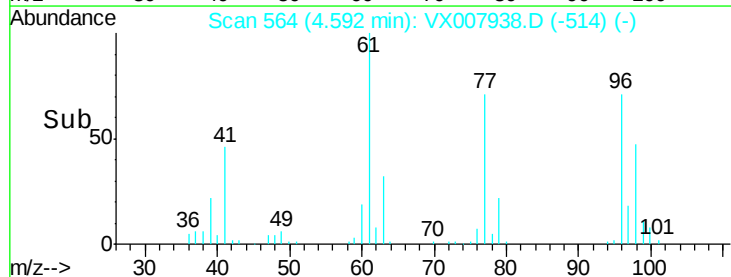
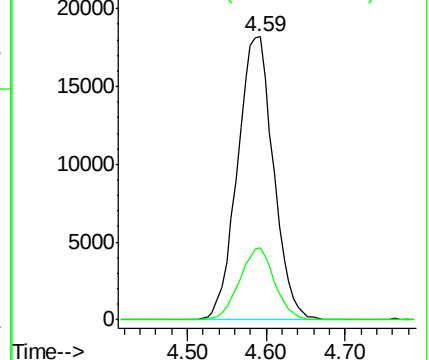
77 100

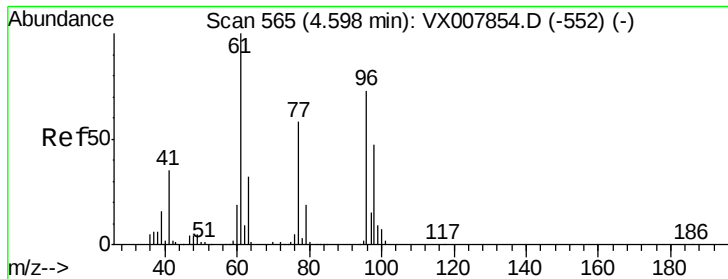
97 24.7 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



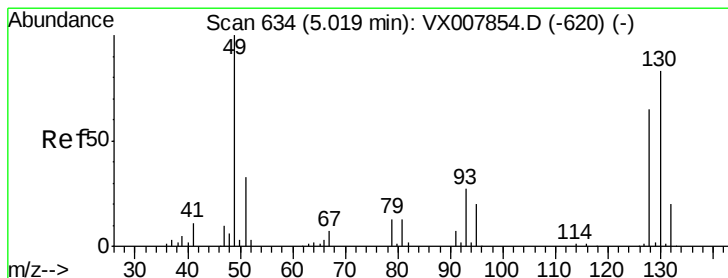
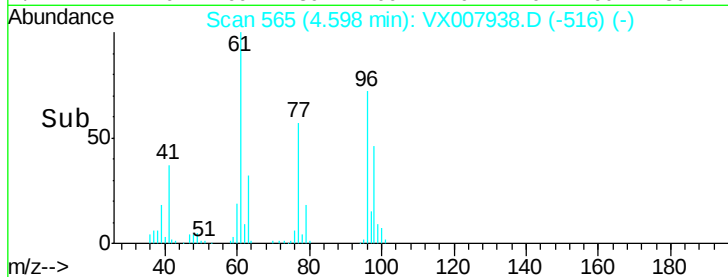
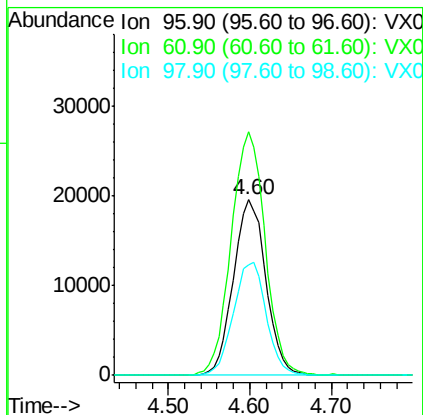
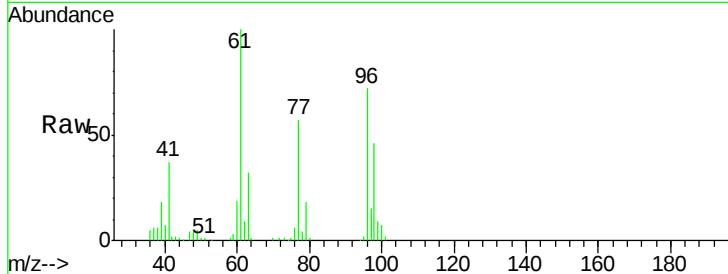


#27

cis-1,2-Dichloroethene
 Concen: 19.556 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX007938.D
 Acq: 08 Mar 2019 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBSD02

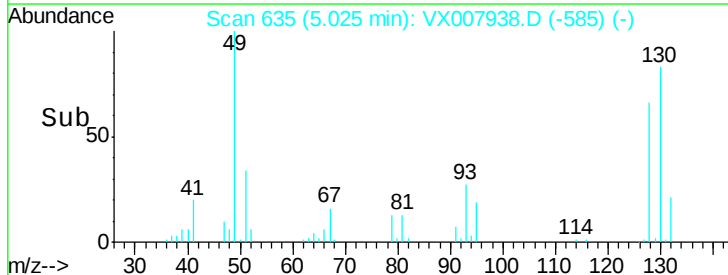
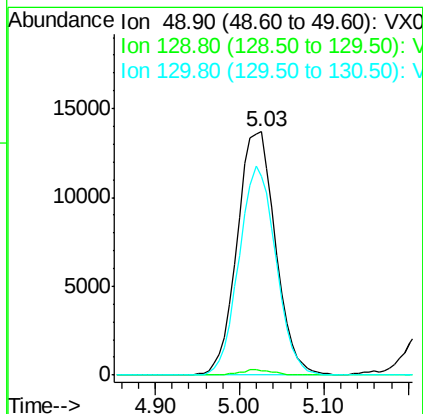
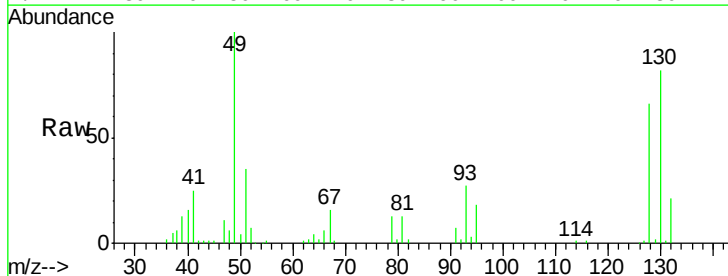
Tot Ion: 96 Resp: 54160
 Ion Ratio Lower Upper
 96 100
 61 144.6 0.0 288.0
 98 65.0 0.0 129.0



#28

Bromochloromethane
 Concen: 19.883 ug/l
 RT: 5.03 min Scan# 635
 Delta R.T. 0.01 min
 Lab File: VX007938.D
 Acq: 08 Mar 2019 18:42

Tgt Ion: 49 Resp: 42265
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.0
 130 82.5 65.0 97.4

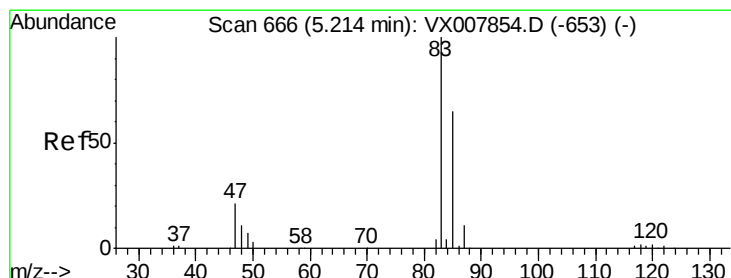
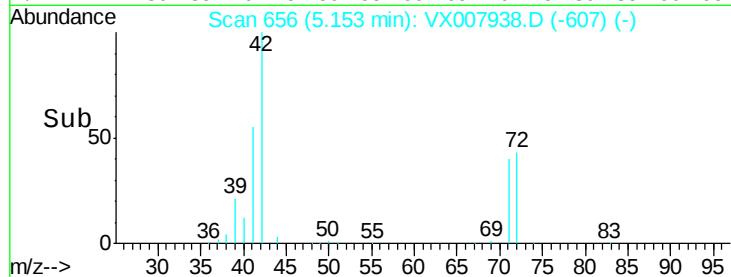
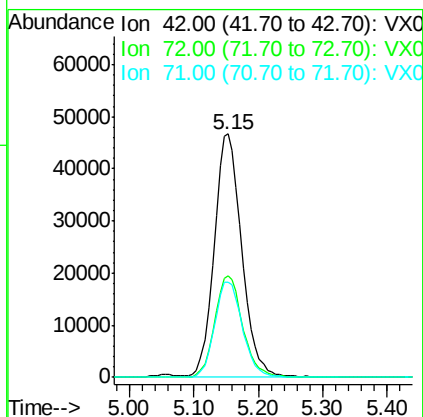
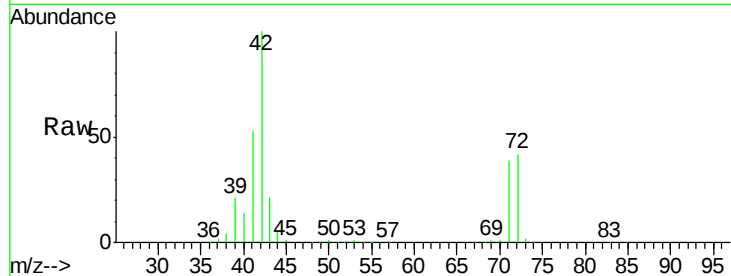




#29
Tetrahydrofuran
Concen: 100.265 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

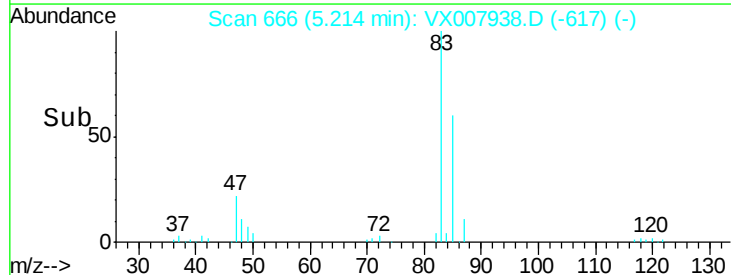
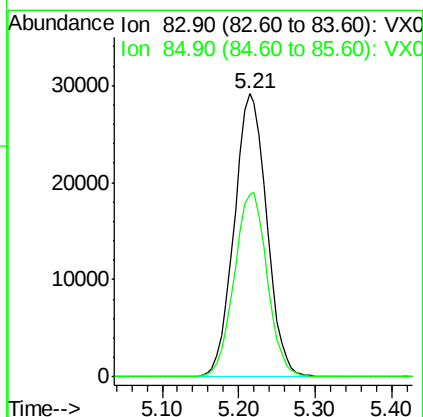
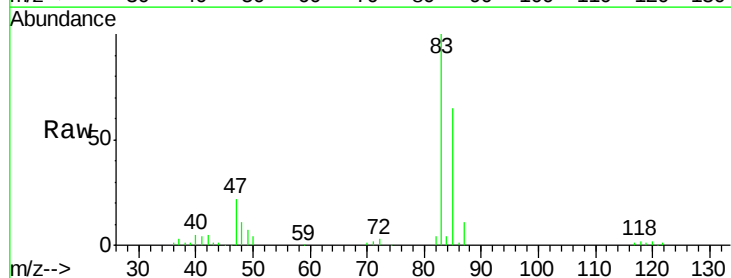
Instrument :
MSVOA_X
ClientSampleId :
VX0308WBSD02

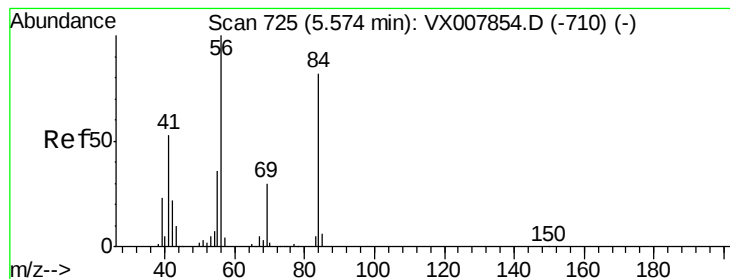
Tot Ion: 42 Resp: 139768
Ion Ratio Lower Upper
42 100
72 42.4 33.8 50.6
71 39.7 31.5 47.3



#30
Chloroform
Concen: 19.946 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

Tgt Ion: 83 Resp: 86026
Ion Ratio Lower Upper
83 100
85 64.5 51.8 77.6





#31

Cyclohexane

Concen: 19.885 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBSD02

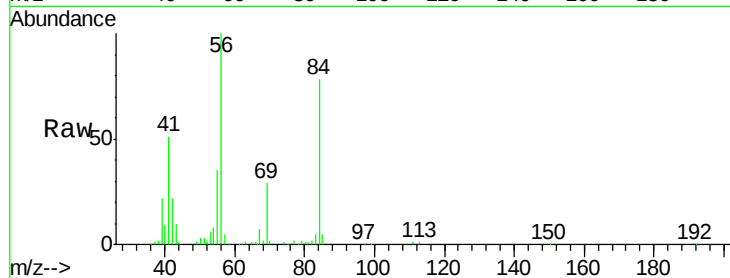
Tot Ion: 56 Resp: 83329

Ion Ratio Lower Upper

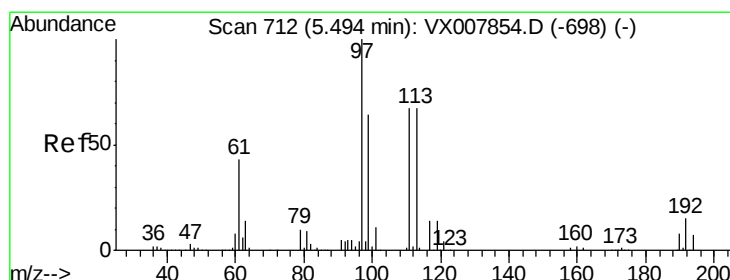
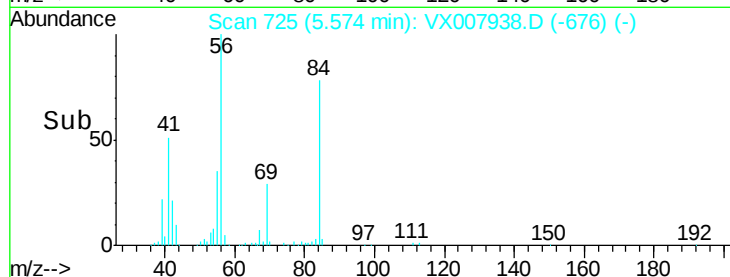
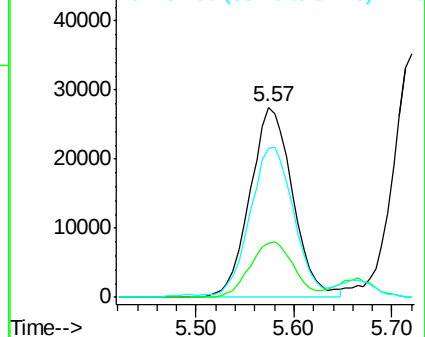
56 100

69 28.5 24.0 36.0

84 77.1 65.3 97.9



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: 19.776 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

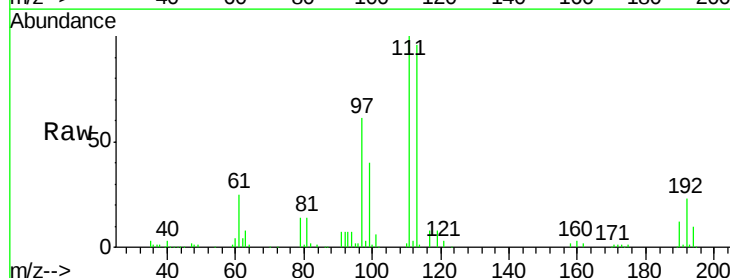
Tgt Ion: 97 Resp: 70769

Ion Ratio Lower Upper

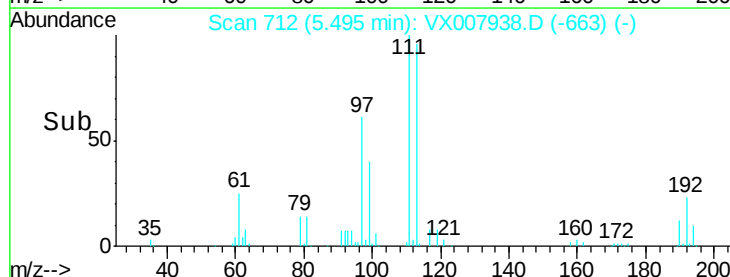
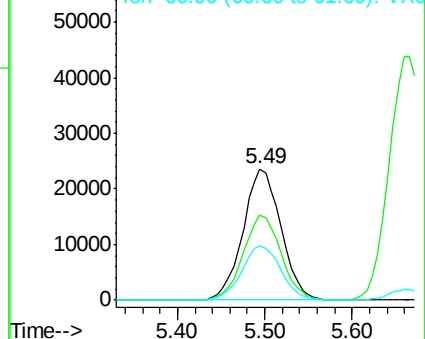
97 100

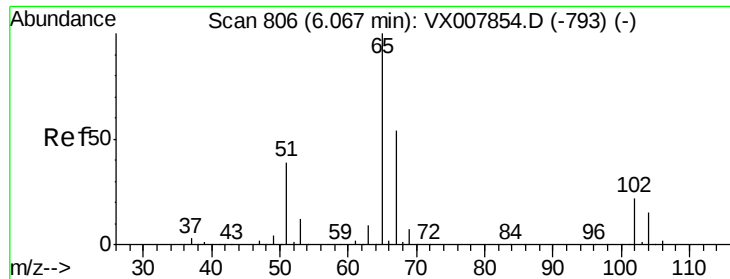
99 64.7 52.2 78.2

61 42.8 34.9 52.3



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

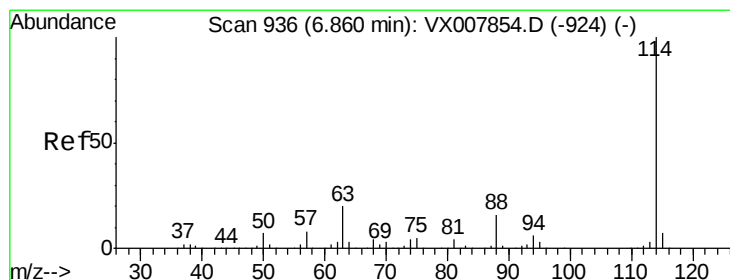
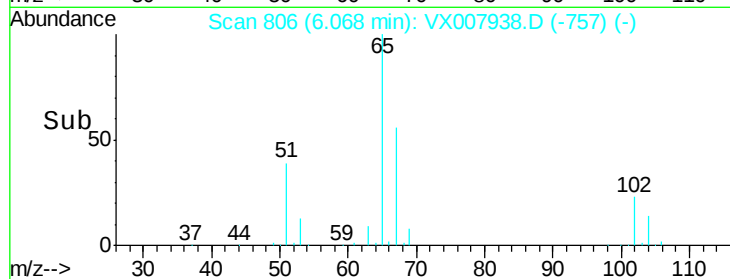
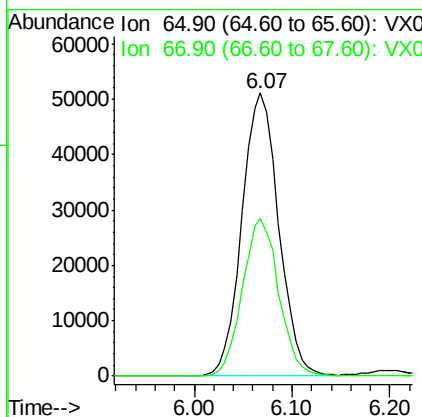
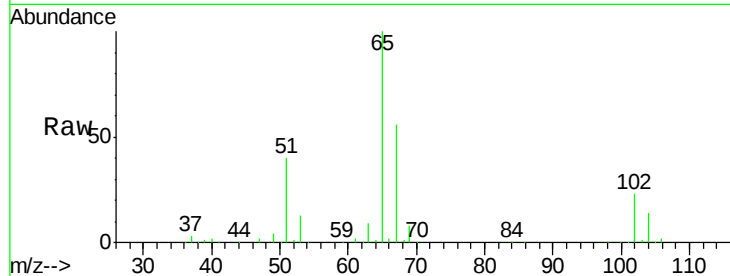




#33
 1,2-Dichloroethane-d4
 Concen: 48.901 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007938.D
 Acq: 08 Mar 2019 18:42

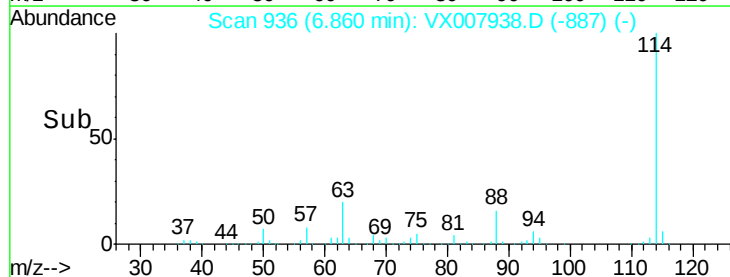
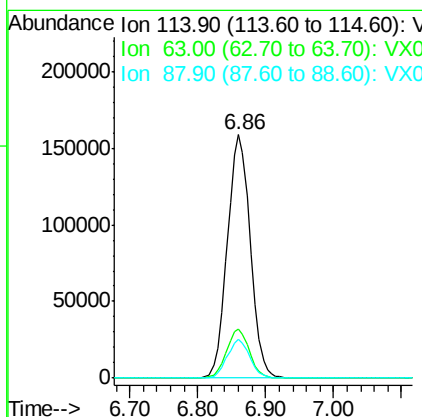
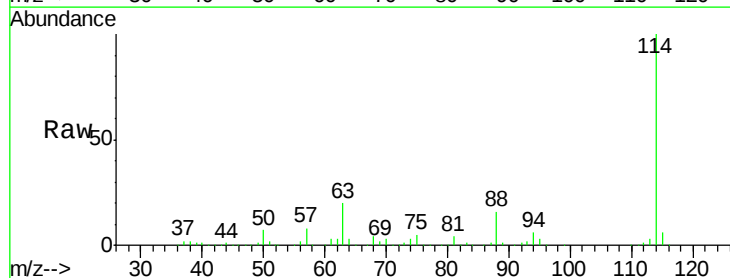
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBSD02

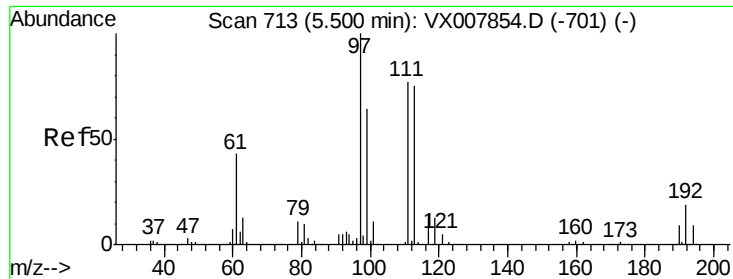
Tot Ion: 65 Resp: 133364
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007938.D
 Acq: 08 Mar 2019 18:42

Tgt Ion: 114 Resp: 372241
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.463 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBSD02

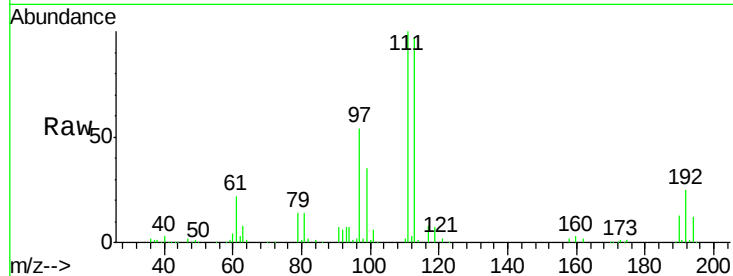
Tot Ion:113 Resp: 117776

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

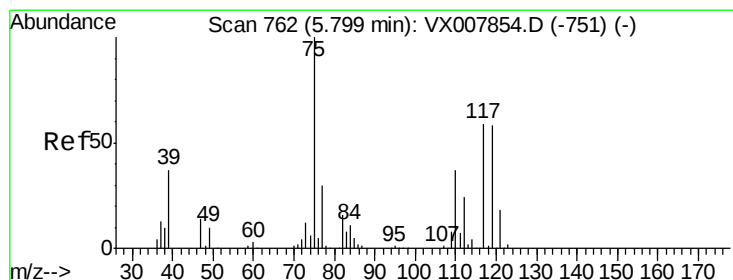
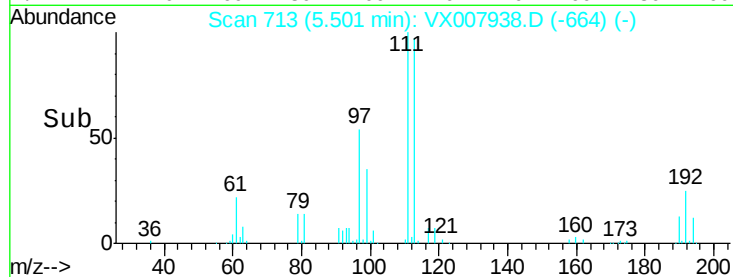
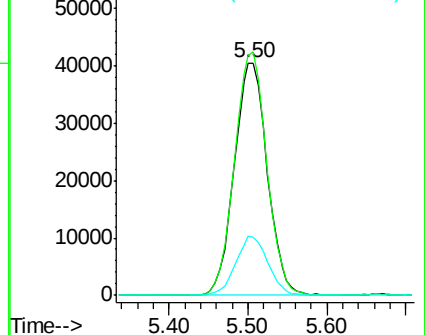
192 24.6 19.4 29.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.234 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

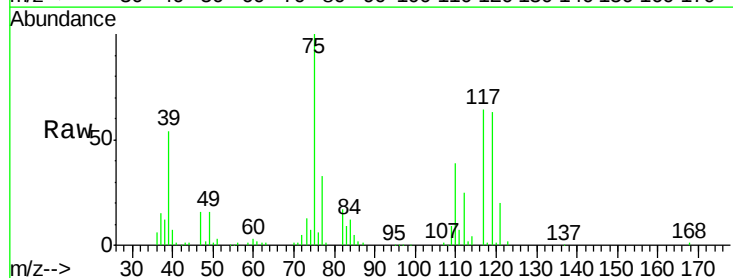
Tgt Ion: 75 Resp: 64829

Ion Ratio Lower Upper

75 100

110 37.7 18.4 55.0

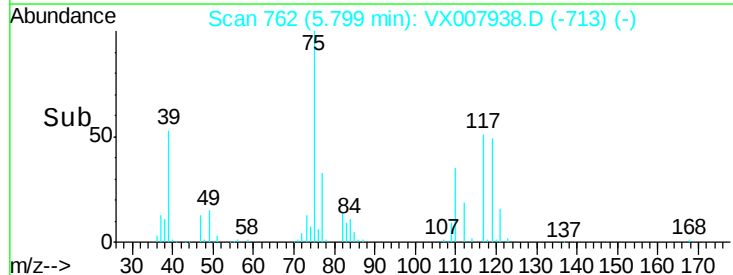
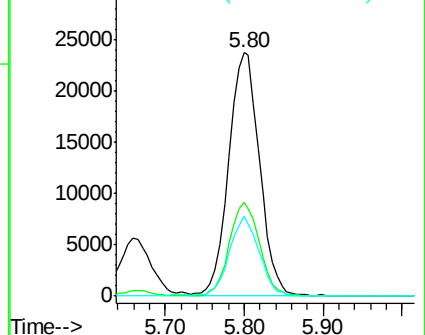
77 31.4 25.0 37.4

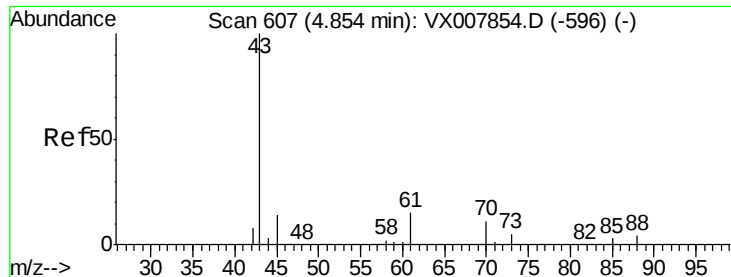


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

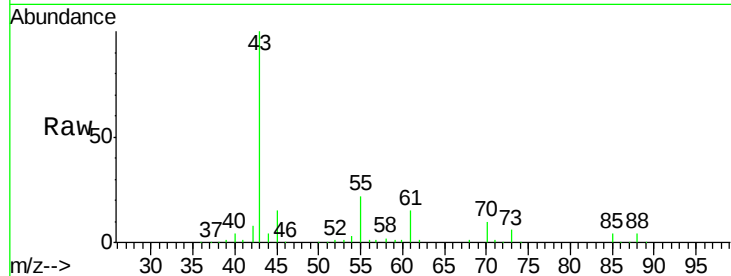




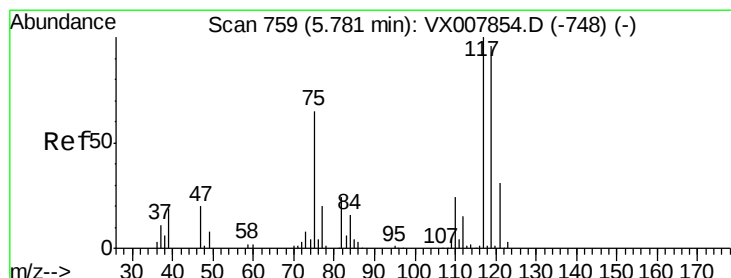
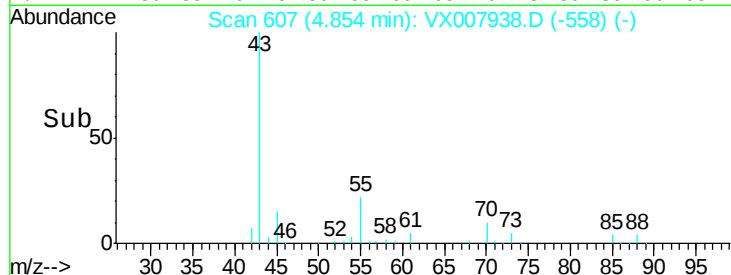
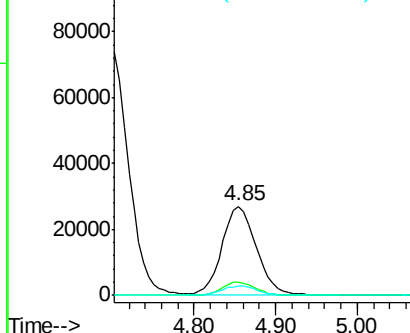
#37
Ethyl Acetate
Concen: 19.578 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

Instrument :
MSVOA_X
ClientSampleId :
VX0308WBSD02

Tot Ion: 43 Resp: 78308
Ion Ratio Lower Upper
43 100
61 14.5 11.3 16.9
70 10.7 8.5 12.7

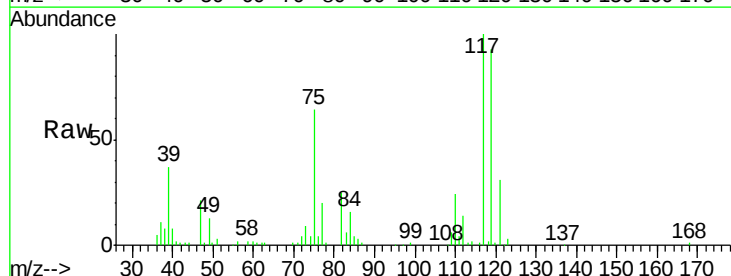


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

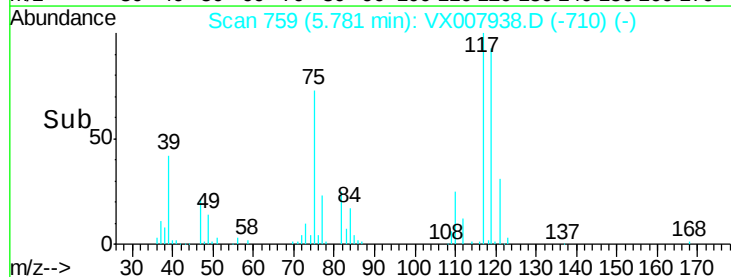
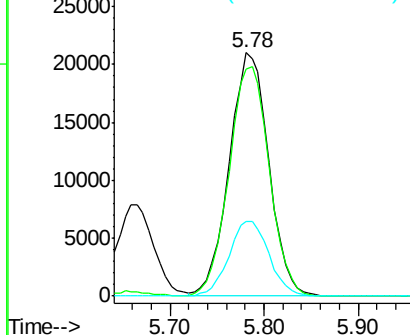


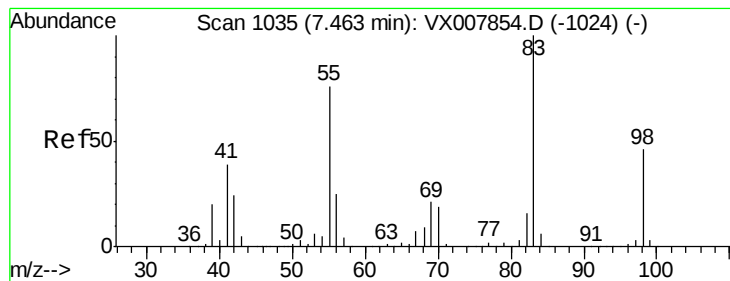
#38
Carbon Tetrachloride
Concen: 19.195 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

Tgt Ion: 117 Resp: 61423
Ion Ratio Lower Upper
117 100
119 93.4 76.2 114.2
121 30.9 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 19.593 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBSD02

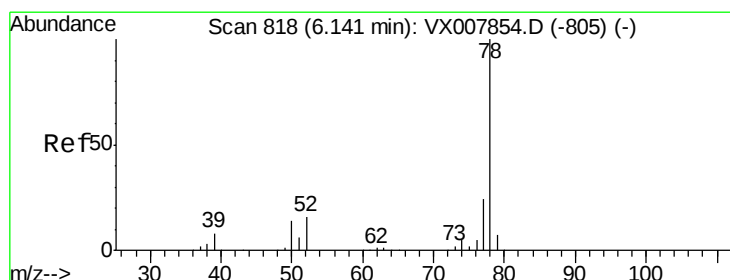
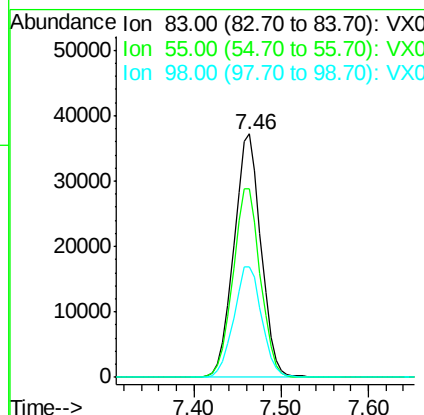
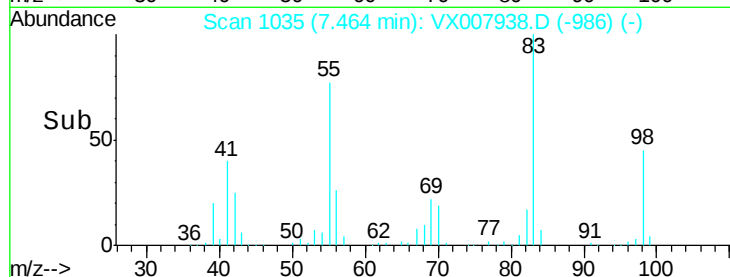
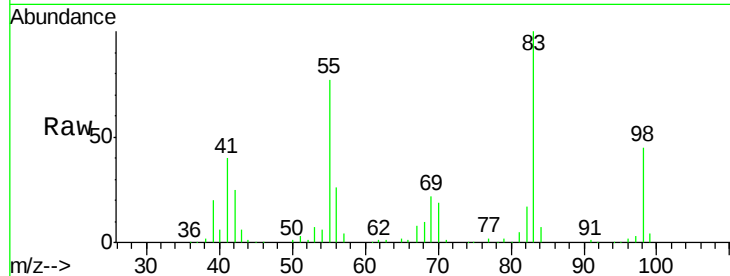
Tot Ion: 83 Resp: 80021

Ion Ratio Lower Upper

83 100

55 77.4 60.4 90.6

98 45.4 36.5 54.7



#40

Benzene

Concen: 20.172 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX007938.D

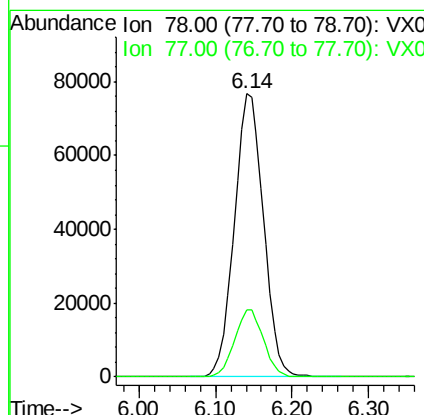
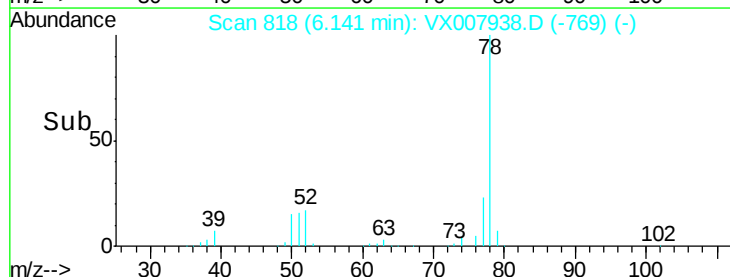
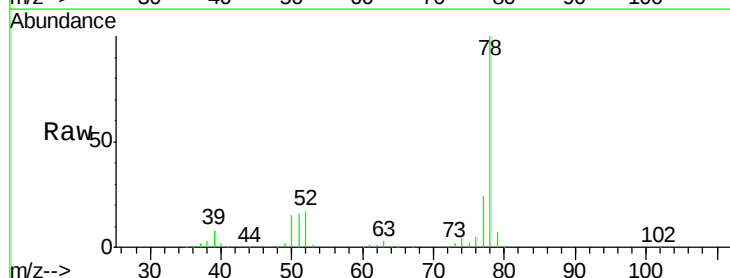
Acq: 08 Mar 2019 18:42

Tgt Ion: 78 Resp: 202410

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.4





#41

Methacrylonitrile

Concen: 20.549 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBSD02

Tot Ion: 41 Resp: 44811

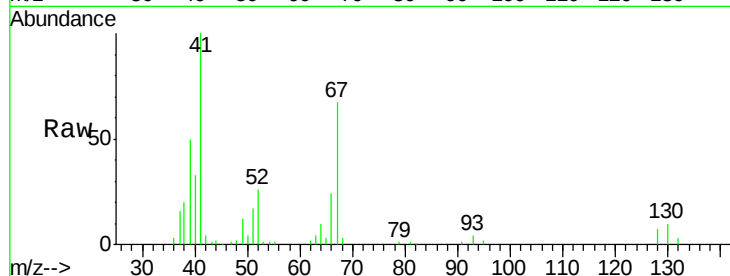
Ion Ratio Lower Upper

41 100

39 51.8 41.6 62.4

67 69.0 55.8 83.6

52 26.3 21.7 32.5

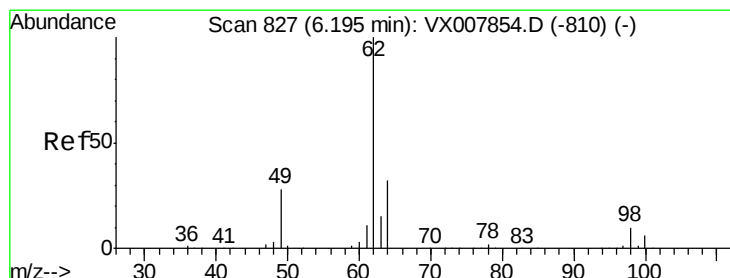
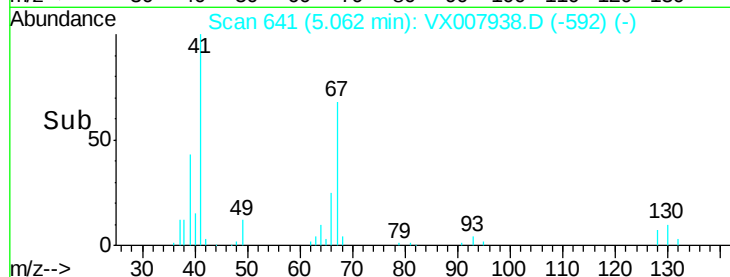
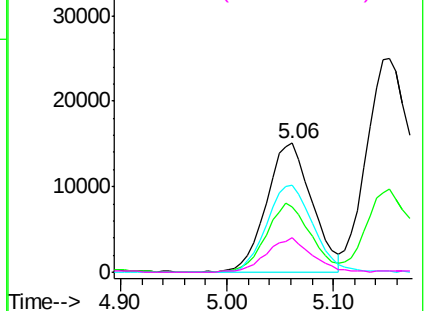


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 20.220 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX007938.D

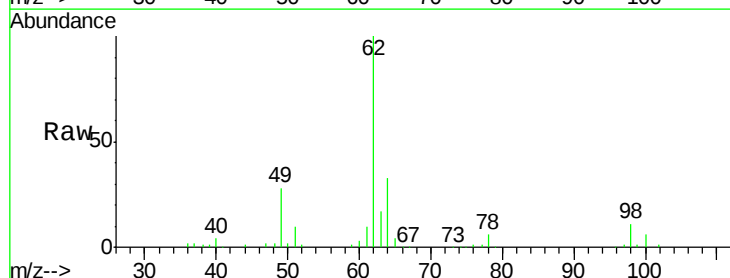
Acq: 08 Mar 2019 18:42

Tgt Ion: 62 Resp: 66352

Ion Ratio Lower Upper

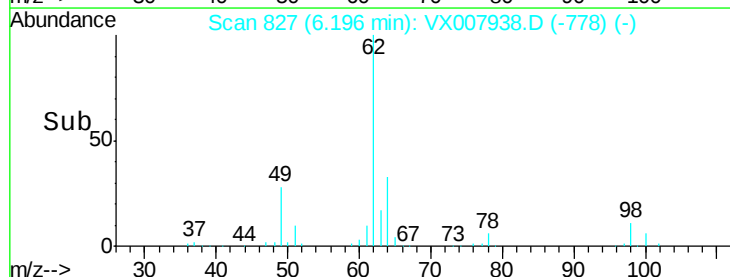
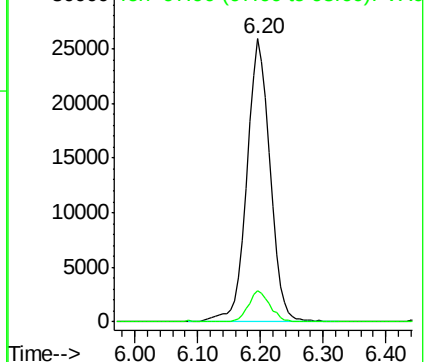
62 100

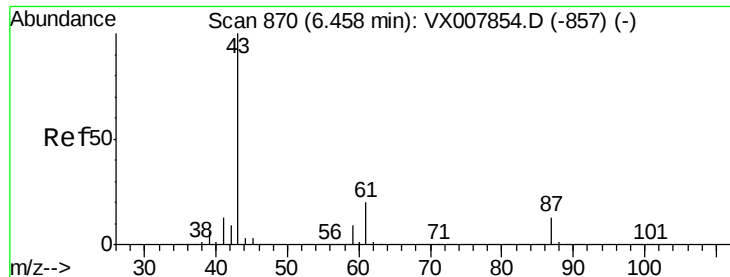
98 10.2 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



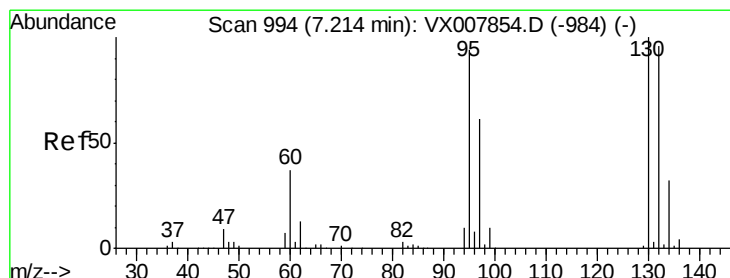
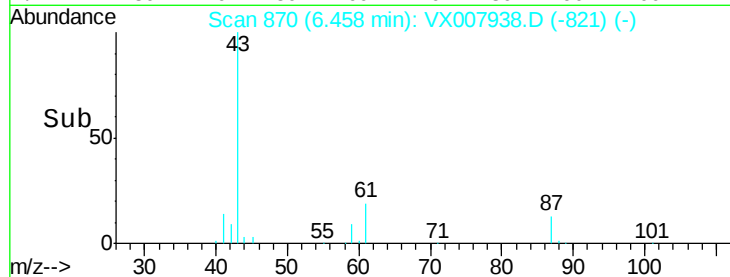
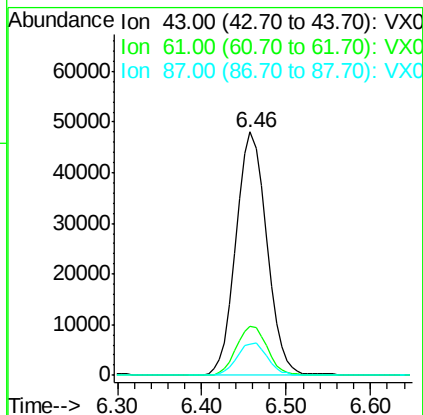
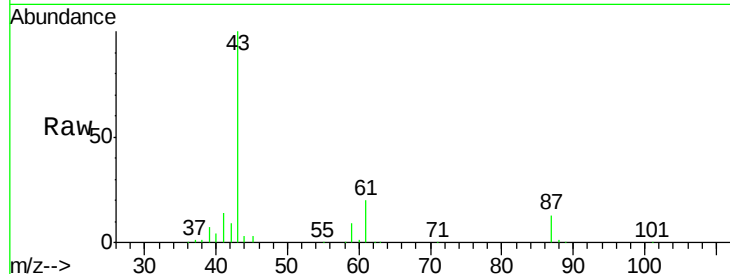


#43

Isopropyl Acetate
 Concen: 20.067 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007938.D
 Acq: 08 Mar 2019 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBSD02

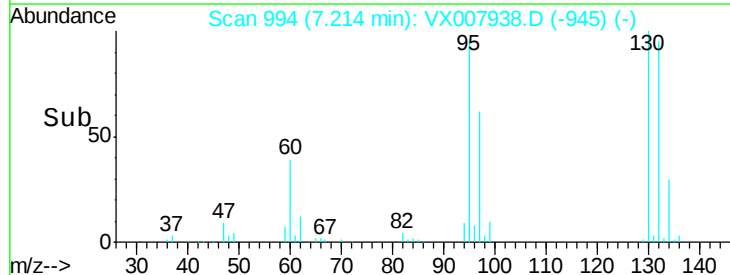
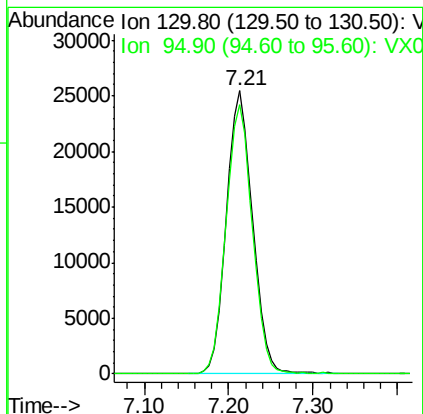
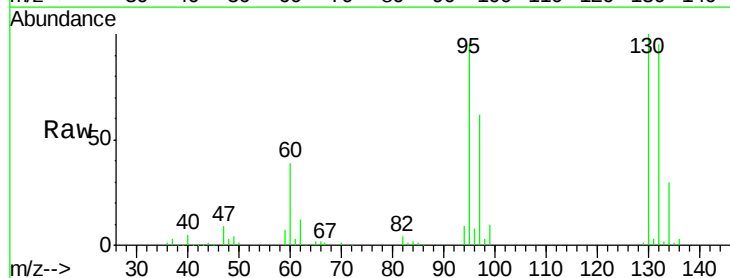
Tot Ion: 43 Resp: 118789
 Ion Ratio Lower Upper
 43 100
 61 20.4 16.3 24.5
 87 13.3 10.5 15.7

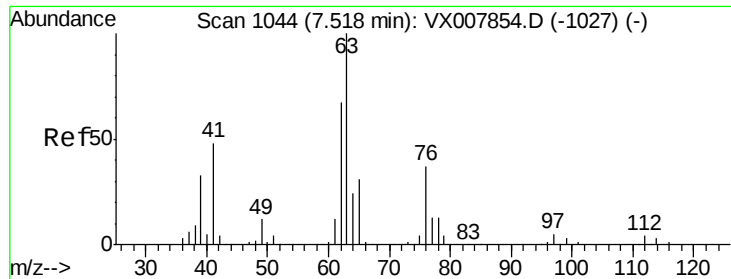


#44

Trichloroethene
 Concen: 19.553 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007938.D
 Acq: 08 Mar 2019 18:42

Tgt Ion: 130 Resp: 54069
 Ion Ratio Lower Upper
 130 100
 95 95.1 0.0 188.0

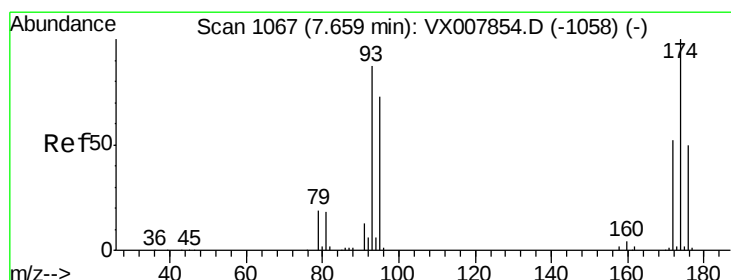
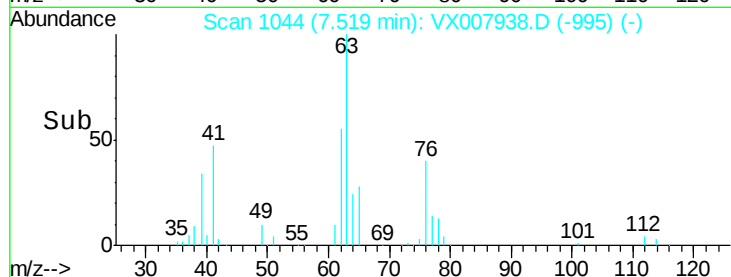
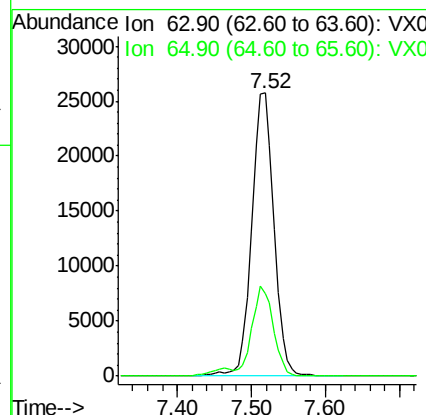
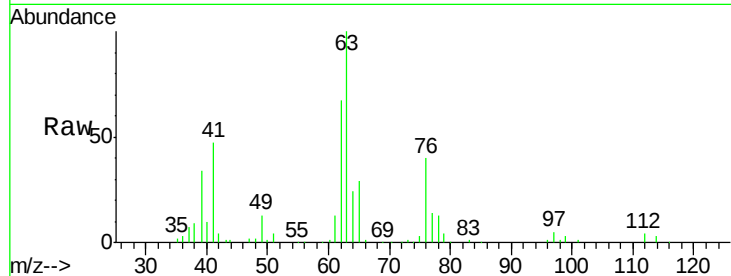




#45
 1,2-Dichloropropane
 Concen: 20.341 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX007938.D
 Acq: 08 Mar 2019 18:42

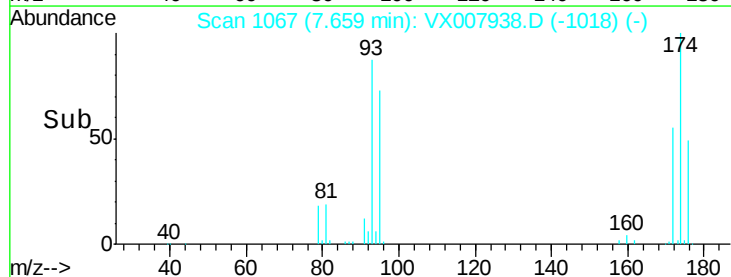
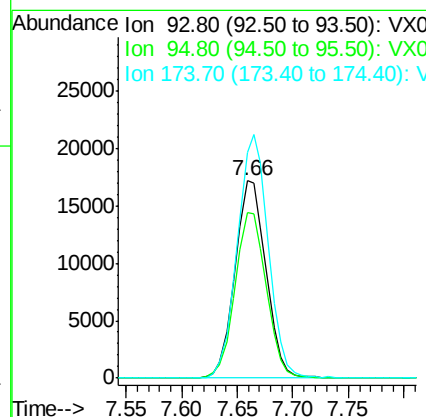
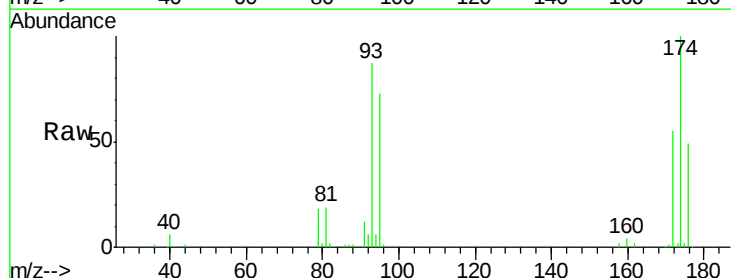
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBSD02

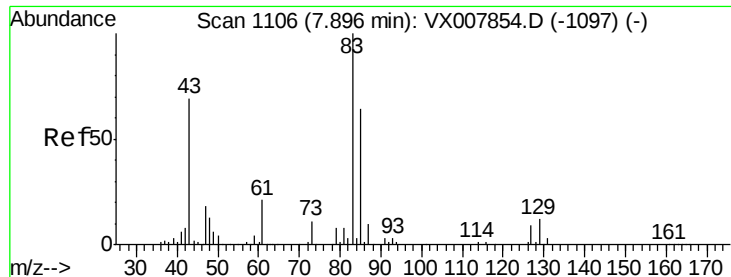
Tot Ion: 63 Resp: 53909
 Ion Ratio Lower Upper
 63 100
 65 29.3 24.7 37.1



#46
 Dibromomethane
 Concen: 19.795 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX007938.D
 Acq: 08 Mar 2019 18:42

Tgt Ion: 93 Resp: 33201
 Ion Ratio Lower Upper
 93 100
 95 84.8 66.8 100.2
 174 123.2 97.3 145.9





#47

Bromodichloromethane

Concen: 19.674 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBSD02

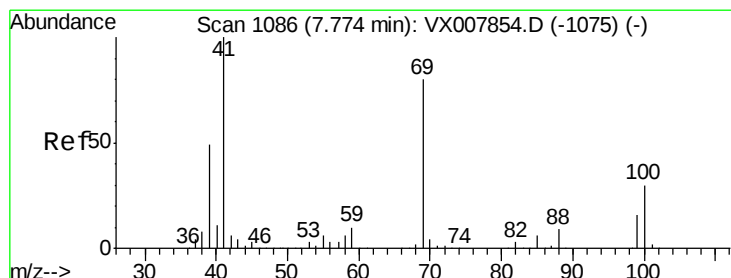
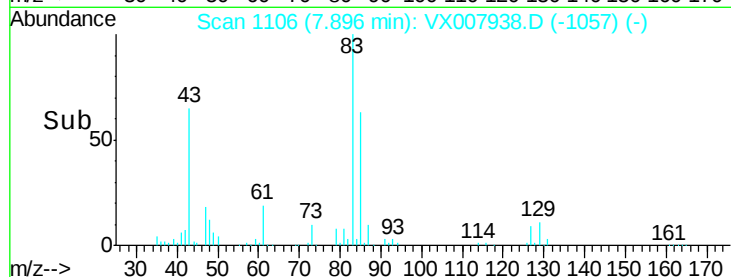
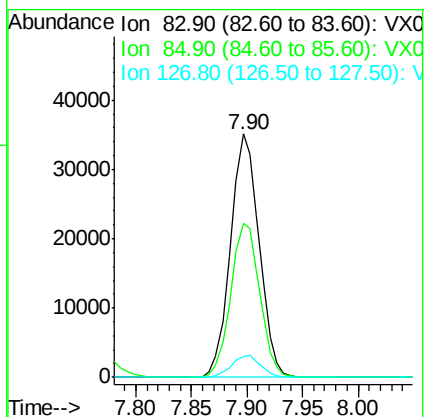
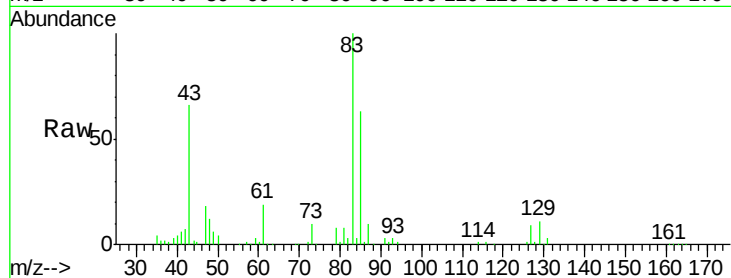
Tot Ion: 83 Resp: 62561

Ion Ratio Lower Upper

83 100

85 63.3 50.9 76.3

127 8.6 7.4 11.0



#48

Methyl methacrylate

Concen: 20.250 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

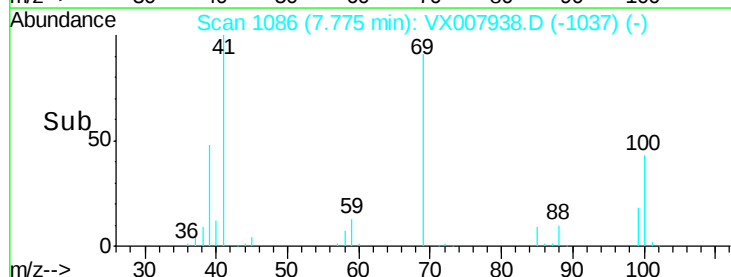
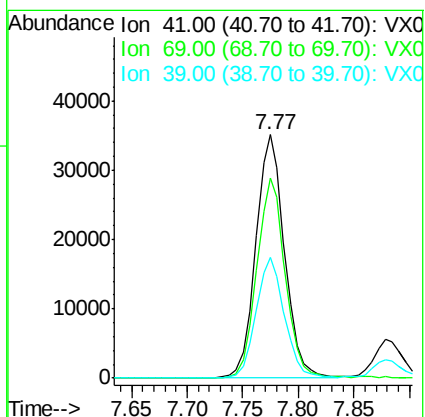
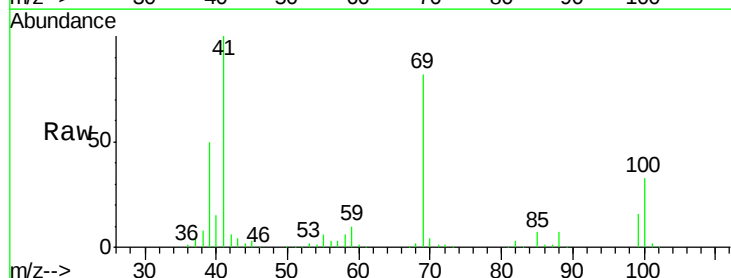
Tgt Ion: 41 Resp: 63024

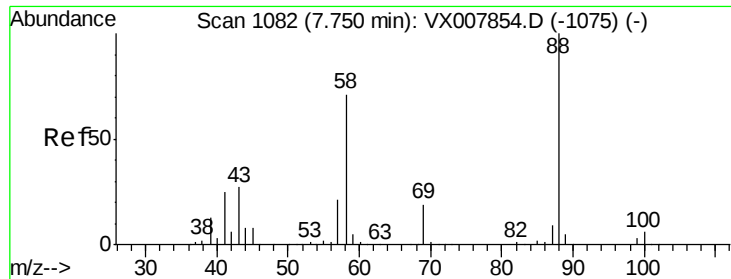
Ion Ratio Lower Upper

41 100

69 81.8 65.2 97.8

39 49.1 39.4 59.2





#49

1,4-Dioxane

Concen: 407.127 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBSD02

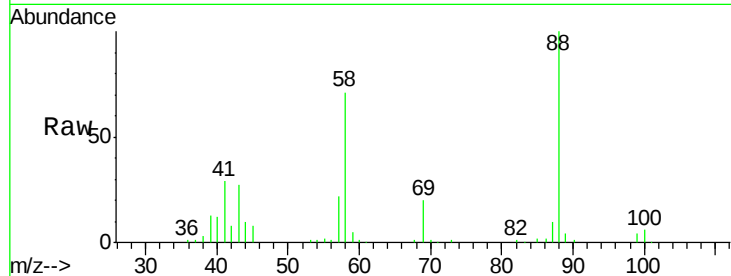
Tot Ion: 88 Resp: 26029

Ion Ratio Lower Upper

88 100

43 33.2 25.1 37.7

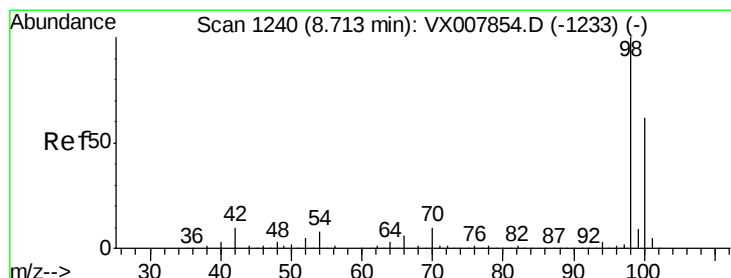
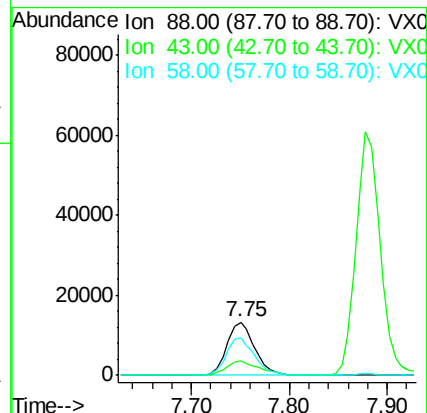
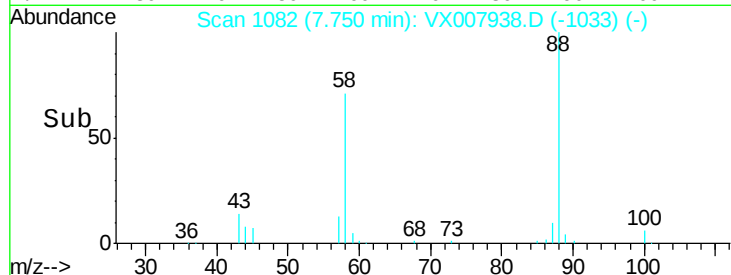
58 72.8 57.8 86.6



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.722 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007938.D

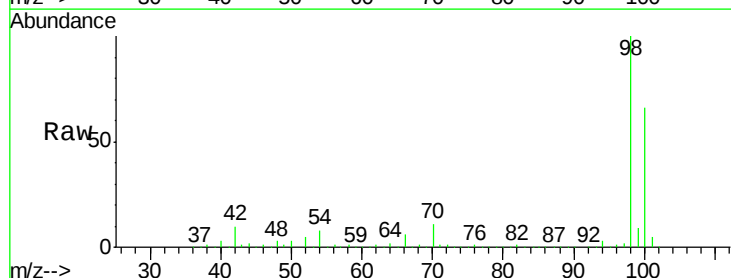
Acq: 08 Mar 2019 18:42

Tgt Ion: 98 Resp: 443551

Ion Ratio Lower Upper

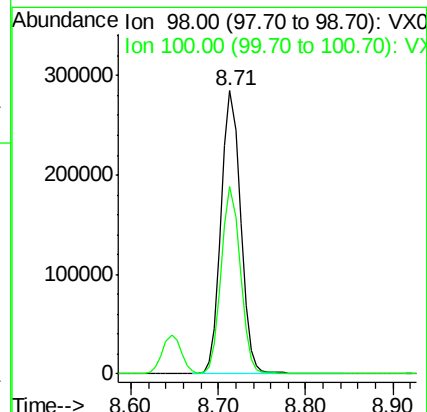
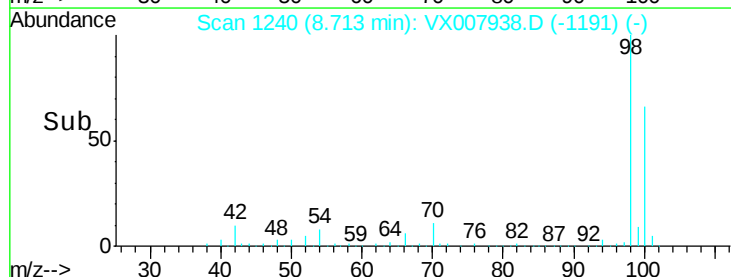
98 100

100 65.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 104.491 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

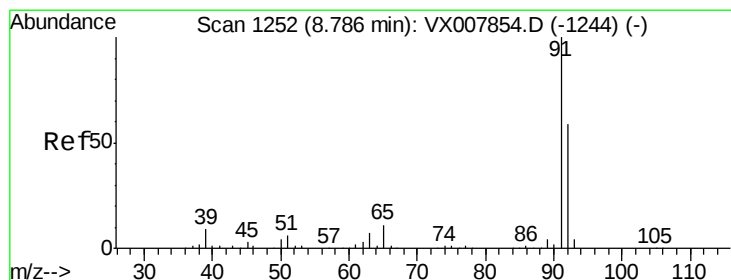
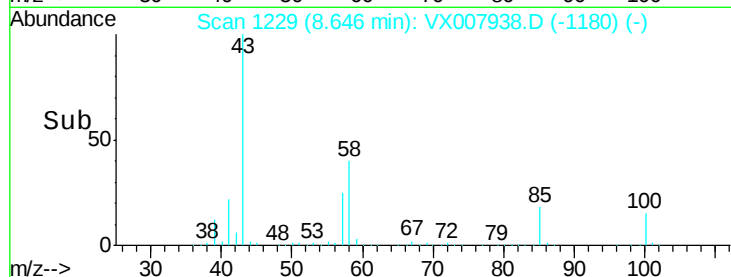
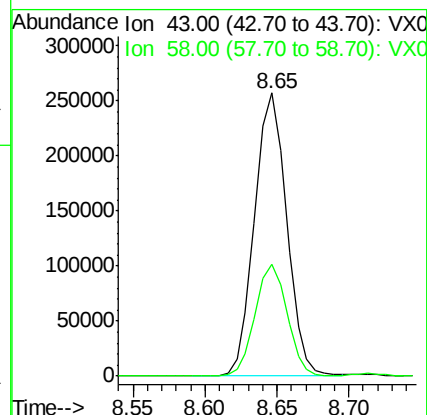
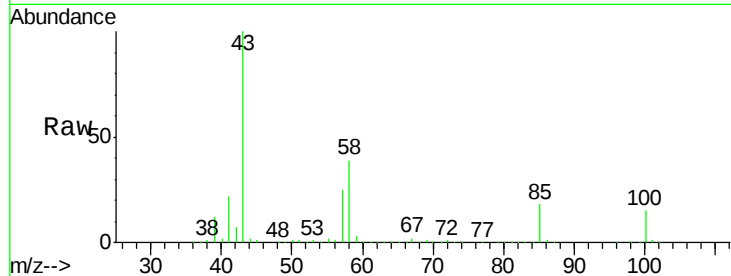
VX0308WBSD02

Tot Ion: 43 Resp: 397790

Ion Ratio Lower Upper

43 100

58 39.4 31.3 46.9



#52

Toluene

Concen: 20.249 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007938.D

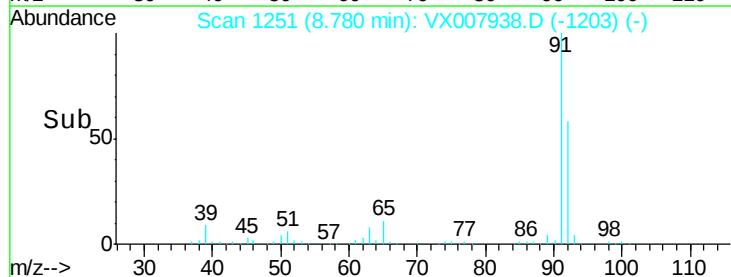
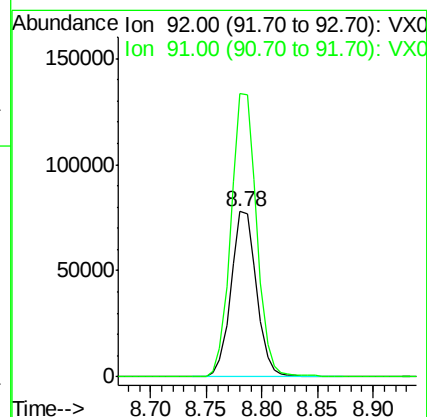
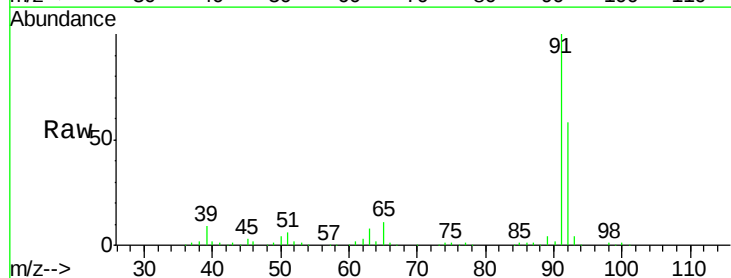
Acq: 08 Mar 2019 18:42

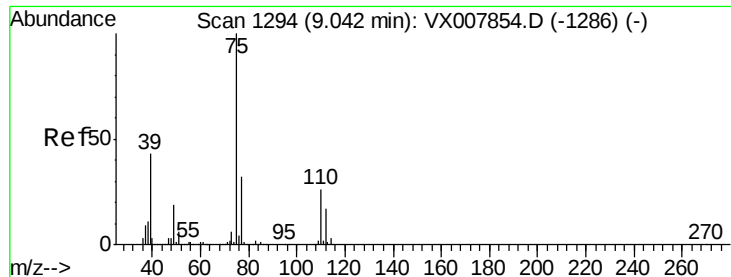
Tgt Ion: 92 Resp: 124049

Ion Ratio Lower Upper

92 100

91 172.7 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 19.526 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampled :

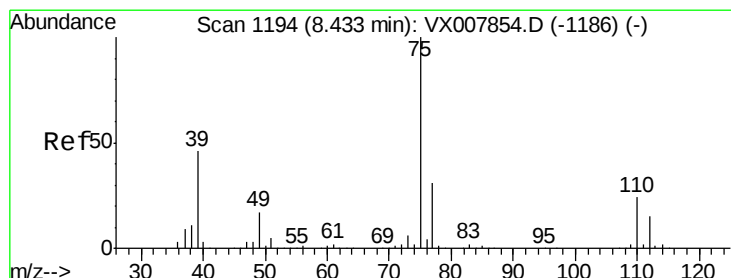
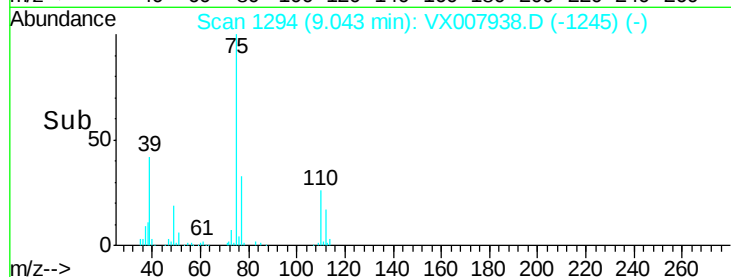
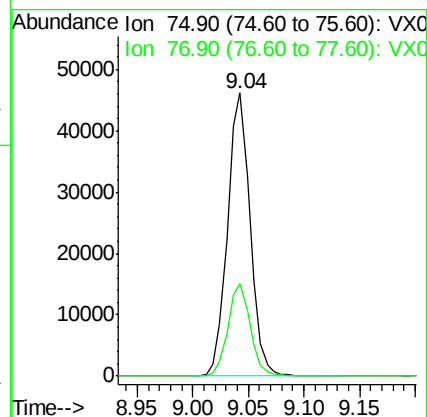
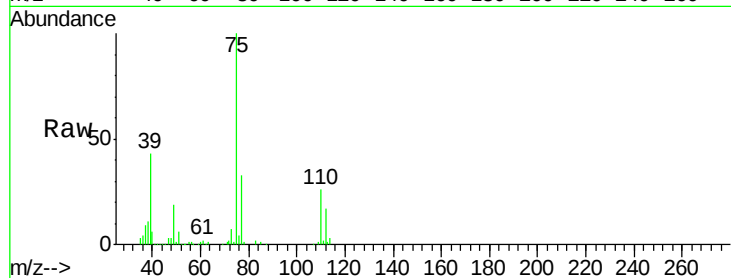
VX0308WBSD02

Tot Ion: 75 Resp: 64807

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 19.964 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

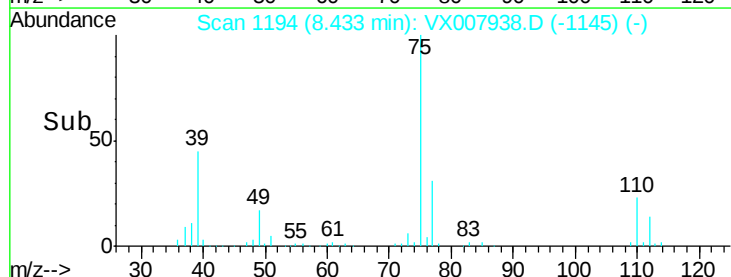
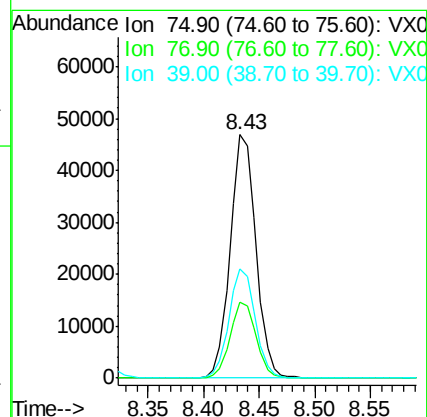
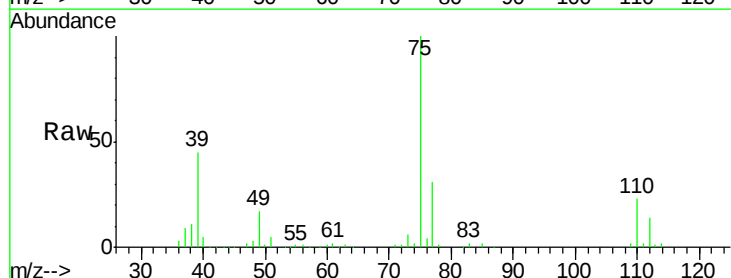
Tgt Ion: 75 Resp: 74827

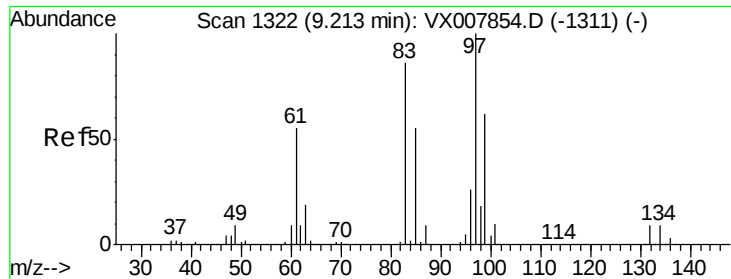
Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.6

39 44.6 36.6 54.8

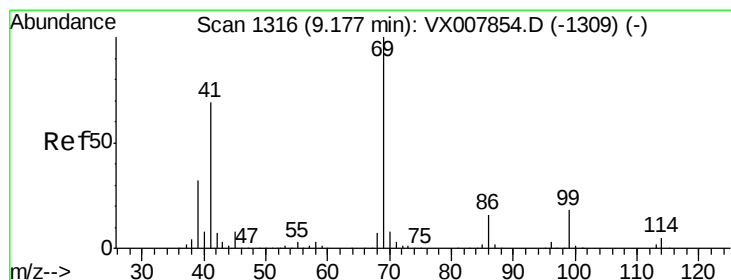
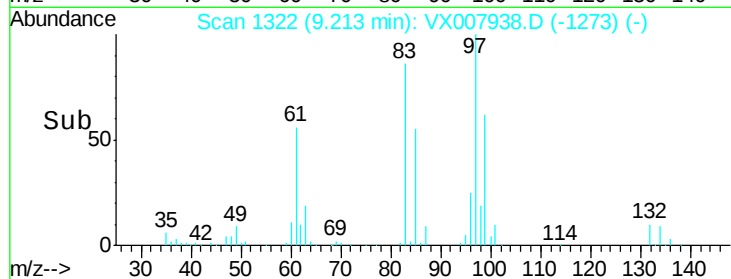
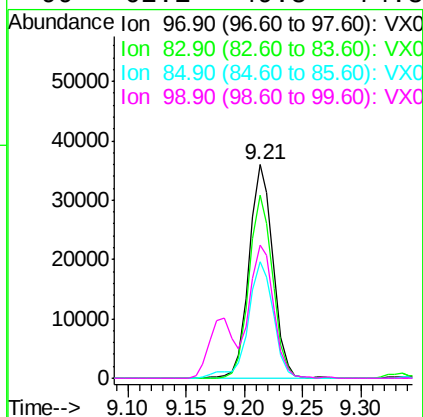
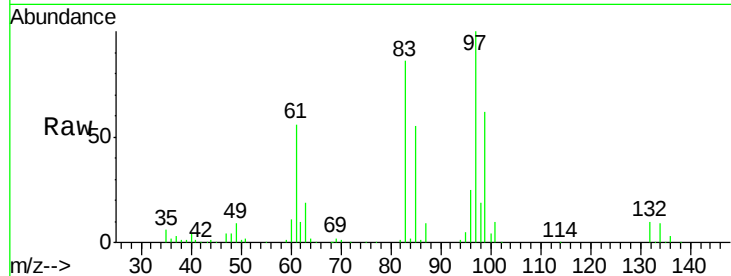




#55
 1,1,2-Trichloroethane
 Concen: 20.898 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007938.D
 Acq: 08 Mar 2019 18:42

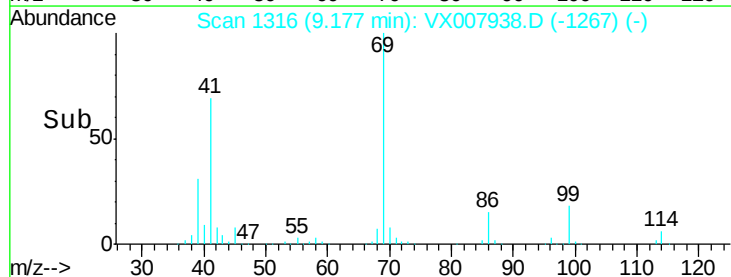
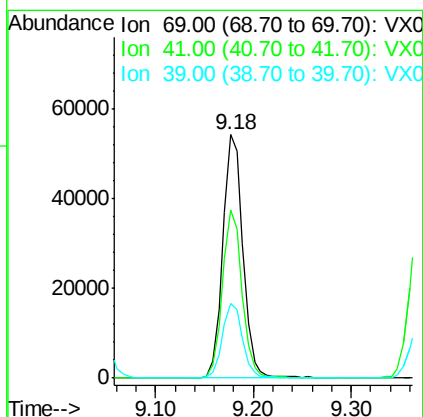
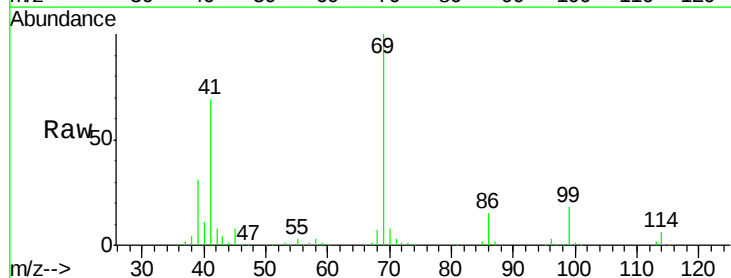
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBSD02

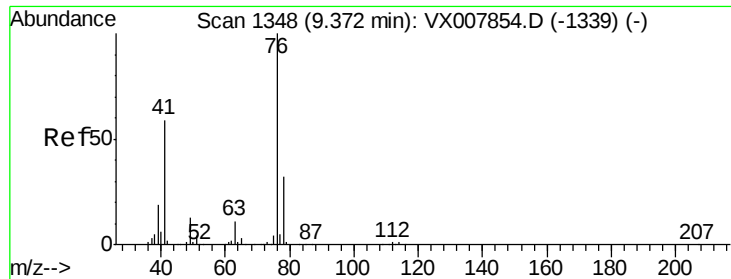
Tot Ion: 97 Resp: 51825
 Ion Ratio Lower Upper
 97 100
 83 85.5 69.1 103.7
 85 54.7 44.3 66.5
 99 62.1 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 20.828 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007938.D
 Acq: 08 Mar 2019 18:42

Tgt Ion: 69 Resp: 77555
 Ion Ratio Lower Upper
 69 100
 41 67.7 54.2 81.4
 39 30.5 25.0 37.4

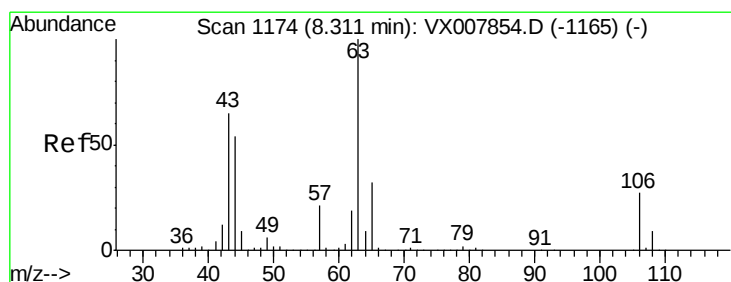
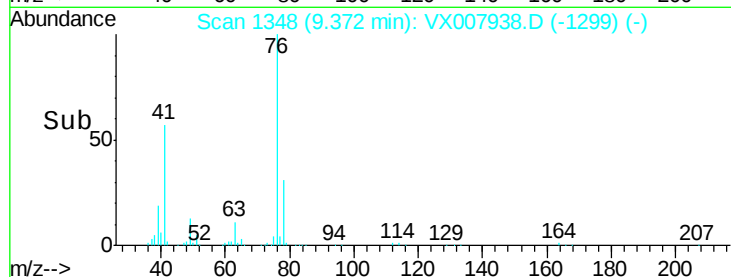
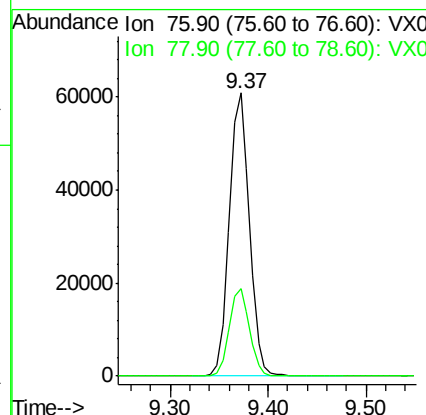
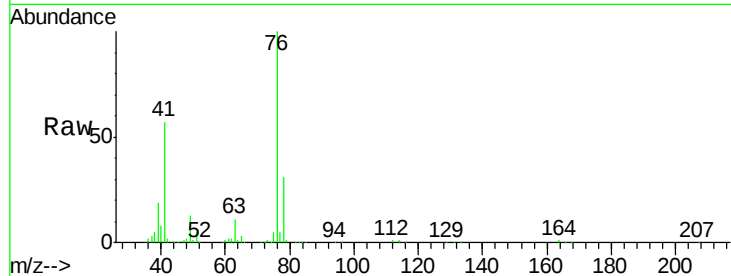




#57
 1,3-Dichloropropane
 Concen: 20.877 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX007938.D
 Acq: 08 Mar 2019 18:42

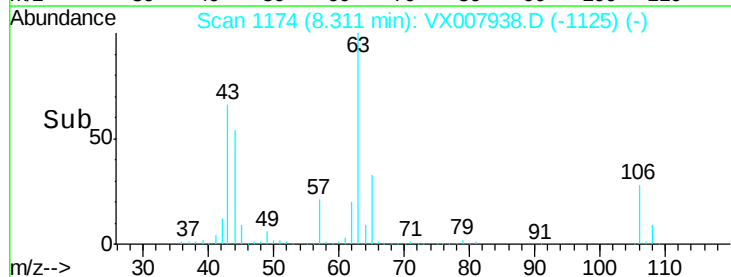
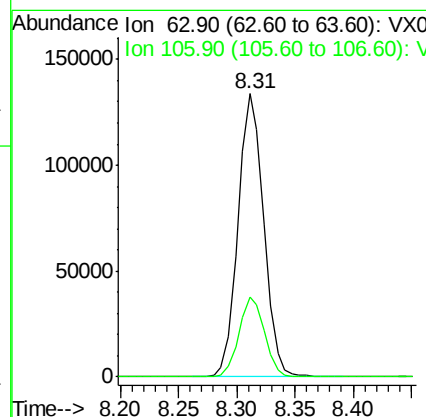
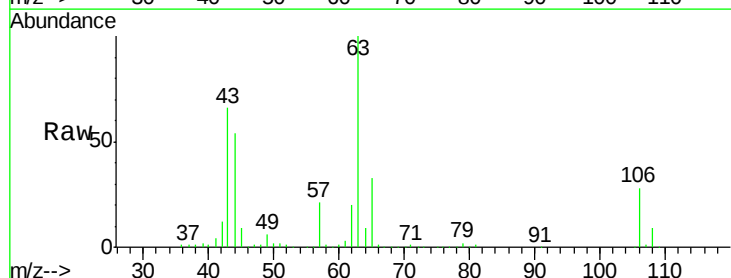
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBSD02

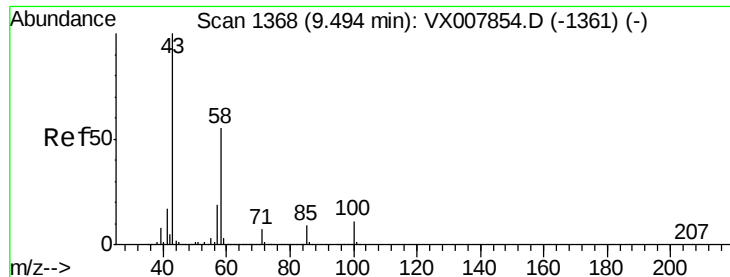
Tot Ion: 76 Resp: 86933
 Ion Ratio Lower Upper
 76 100
 78 31.1 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.902 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX007938.D
 Acq: 08 Mar 2019 18:42

Tgt Ion: 63 Resp: 205904
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.2 33.2

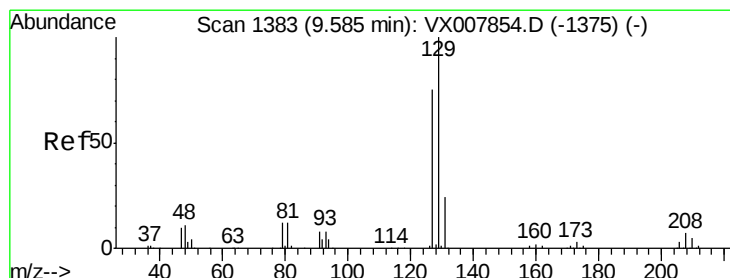
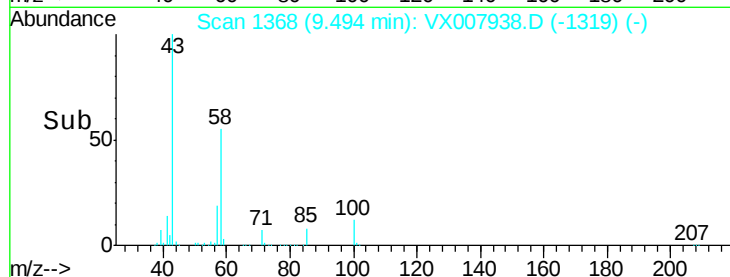
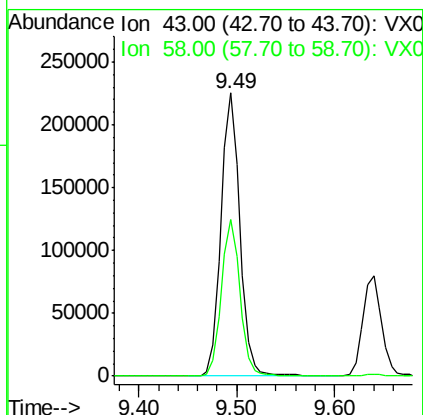
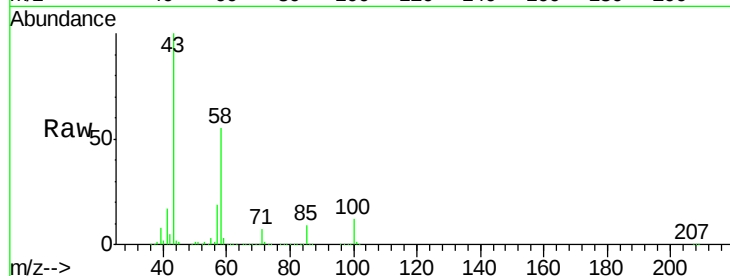




#59
2-Hexanone
Concen: 102.332 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

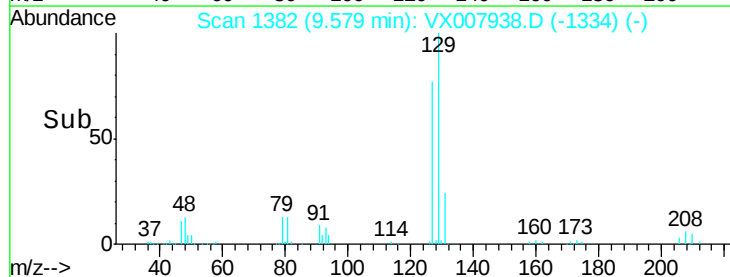
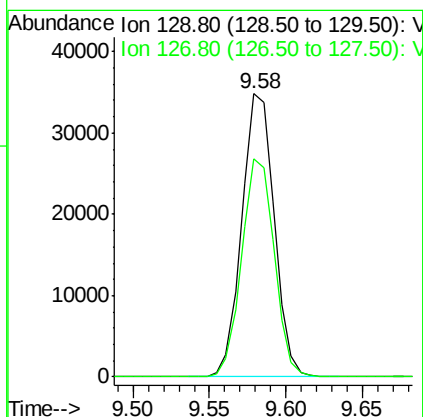
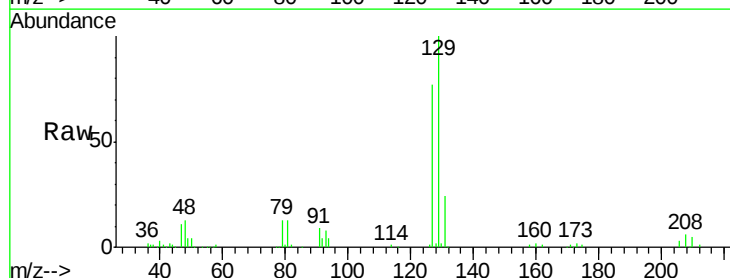
Instrument :
MSVOA_X
ClientSampleId :
VX0308WBSD02

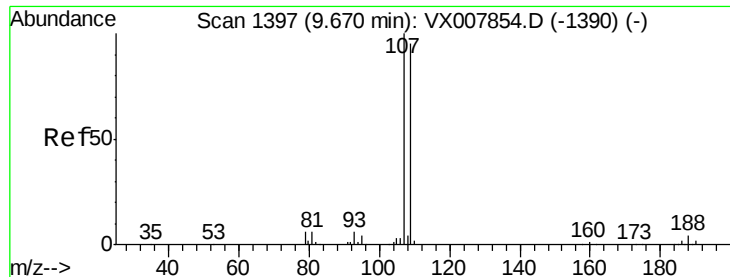
Tot Ion: 43 Resp: 302454
Ion Ratio Lower Upper
43 100
58 55.0 27.6 82.7



#60
Dibromochloromethane
Concen: 19.784 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

Tgt Ion: 129 Resp: 51282
Ion Ratio Lower Upper
129 100
127 77.3 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.408 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

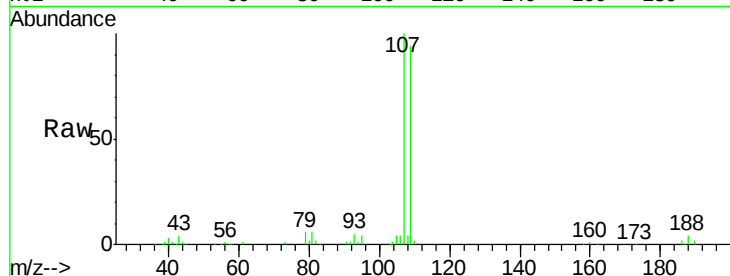
VX0308WBSD02

Tot Ion:107 Resp: 53734

Ion Ratio Lower Upper

107 100

109 94.0 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

30000

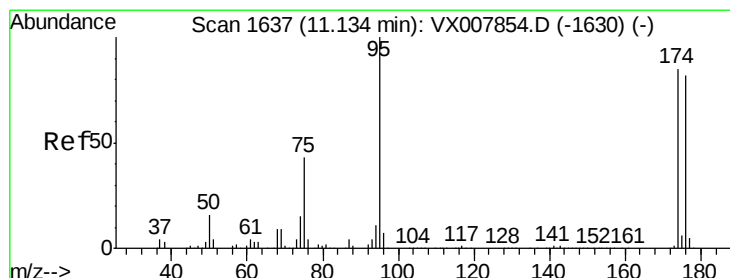
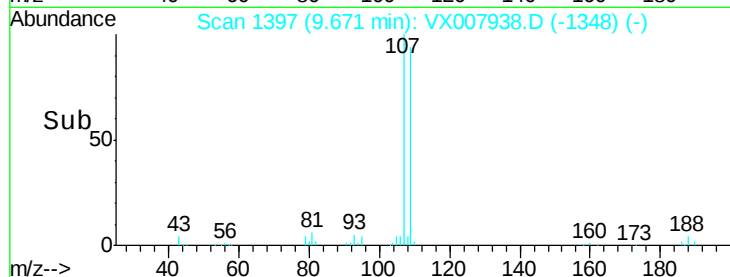
20000

10000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 50.796 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

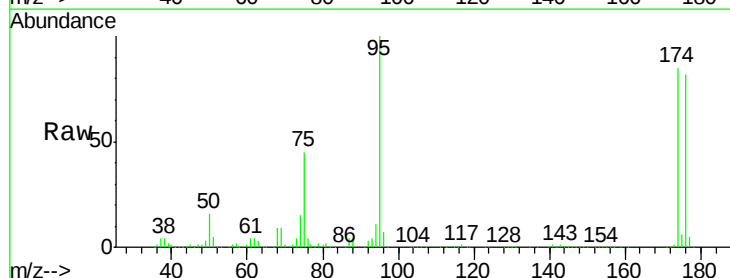
Tgt Ion: 95 Resp: 155737

Ion Ratio Lower Upper

95 100

174 91.6 0.0 182.8

176 89.3 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

150000

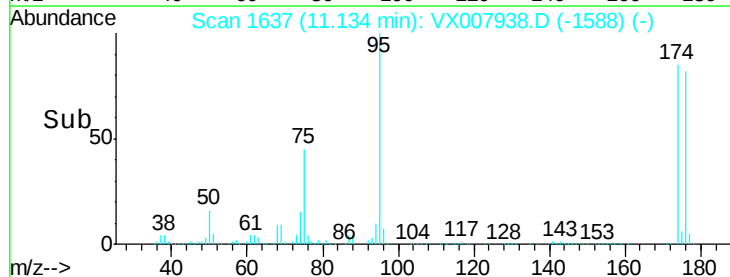
100000

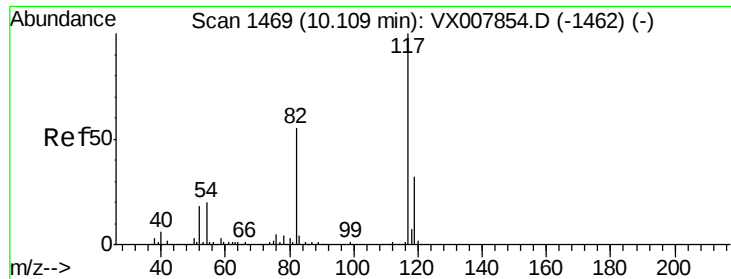
50000

0

Time-->

11.10 11.20

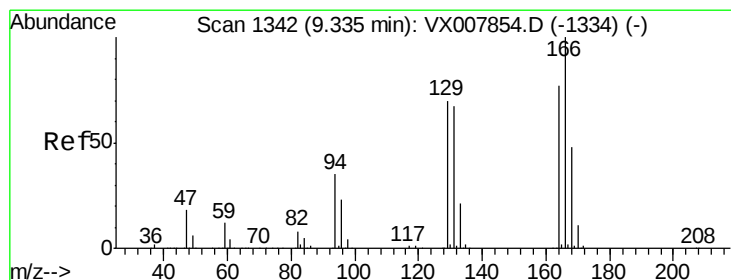
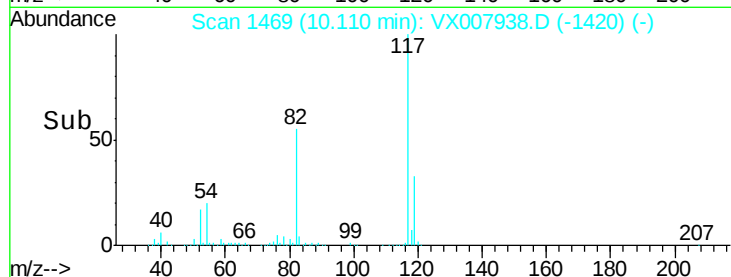
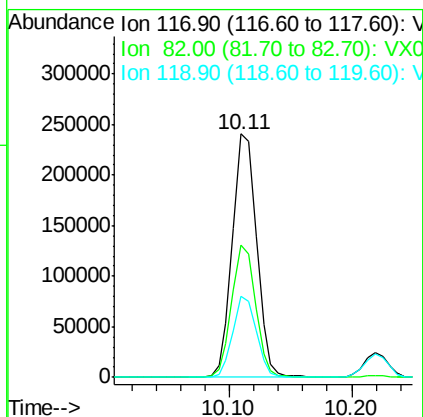
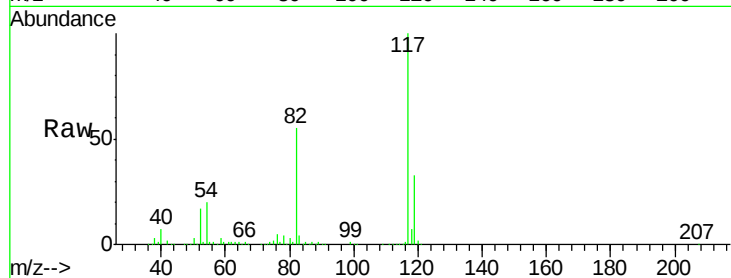




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

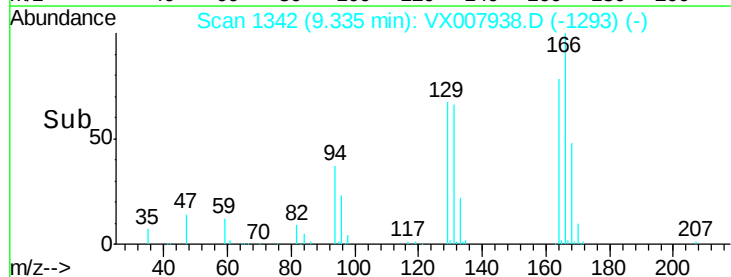
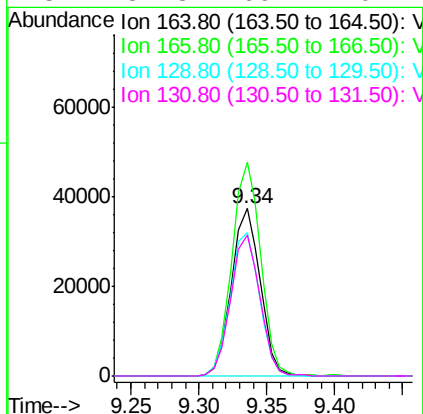
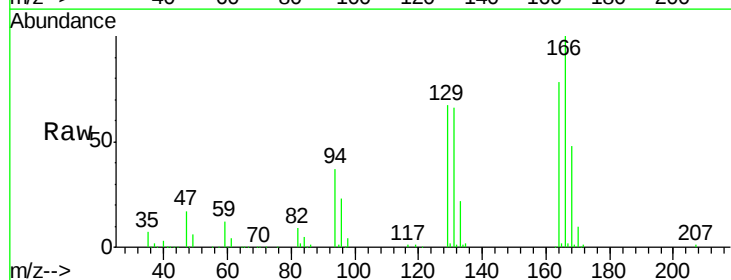
Instrument :
MSVOA_X
ClientSampleId :
VX0308WBSD02

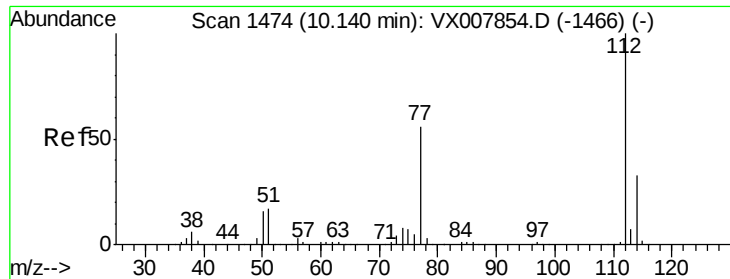
Tot Ion:117 Resp: 331577
Ion Ratio Lower Upper
117 100
82 54.5 44.3 66.5
119 33.0 25.3 37.9



#64
Tetrachloroethene
Concen: 20.021 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

Tgt Ion:164 Resp: 55012
Ion Ratio Lower Upper
164 100
166 127.5 103.4 155.0
129 85.3 72.2 108.4
131 84.3 69.4 104.2





#65

Chlorobenzene

Concen: 19.495 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampled :

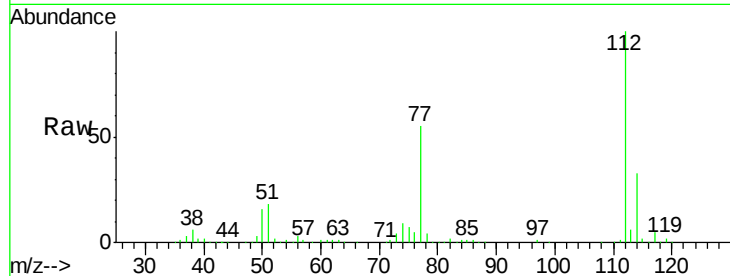
VX0308WBSD02

Tot Ion:112 Resp: 135269

Ion Ratio Lower Upper

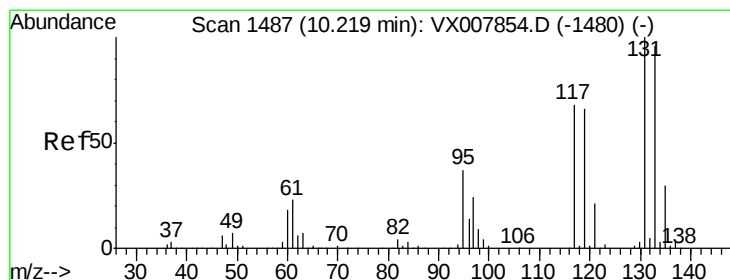
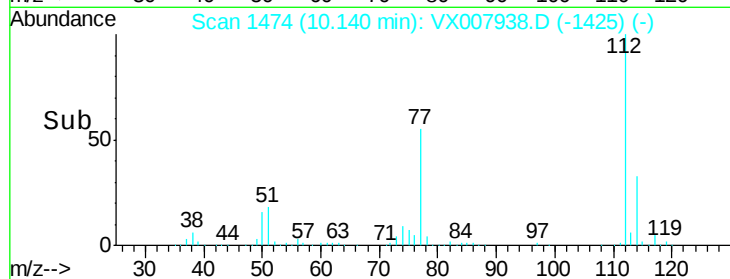
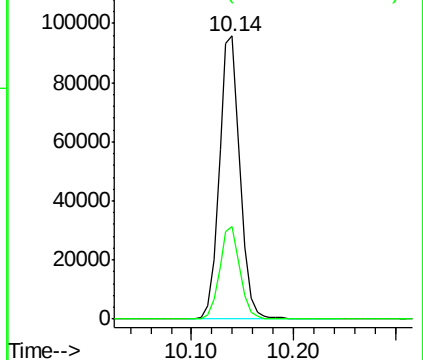
112 100

114 32.7 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.737 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

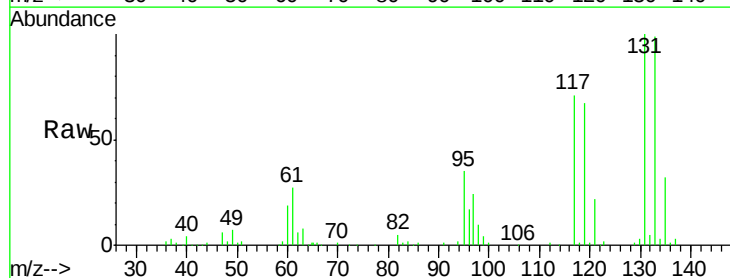
Tgt Ion:131 Resp: 49080

Ion Ratio Lower Upper

131 100

133 95.4 47.8 143.3

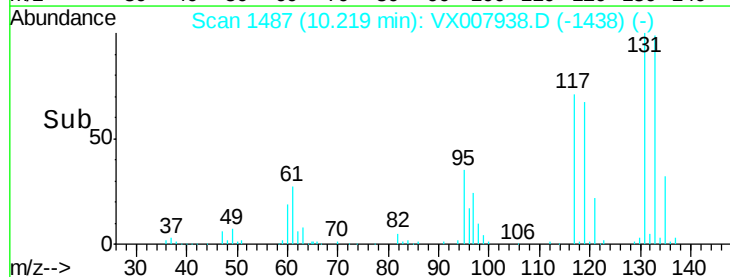
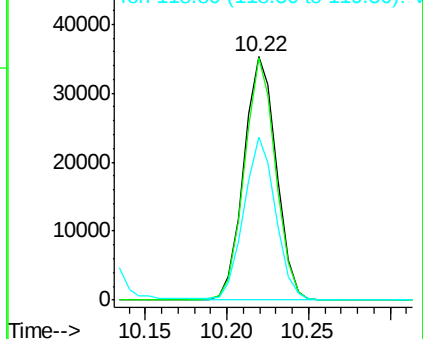
119 65.3 32.5 97.5

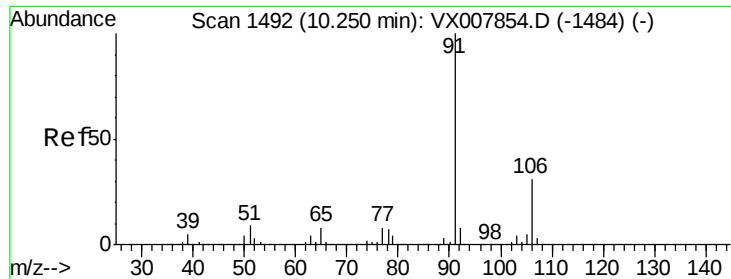


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

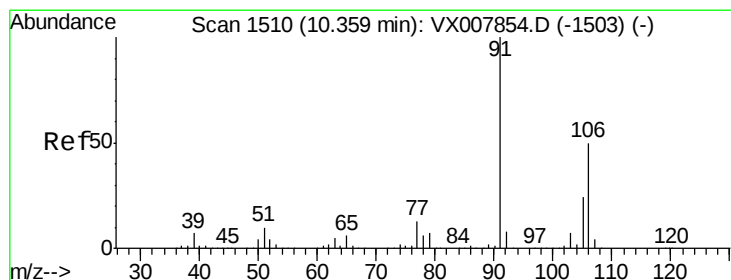
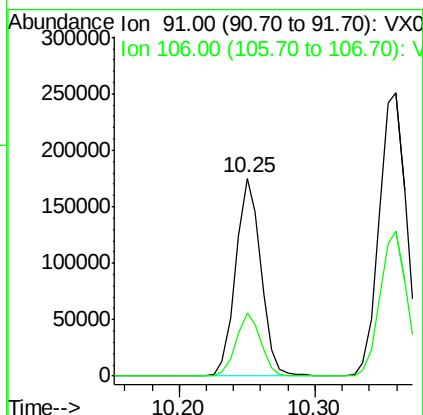
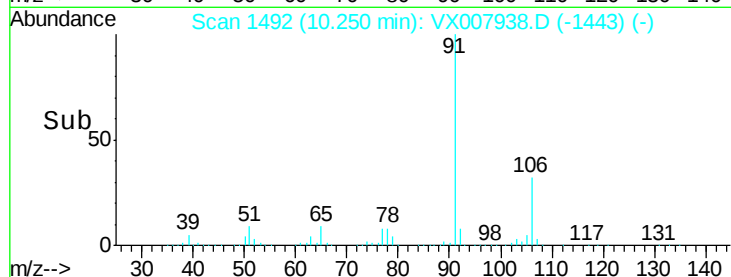
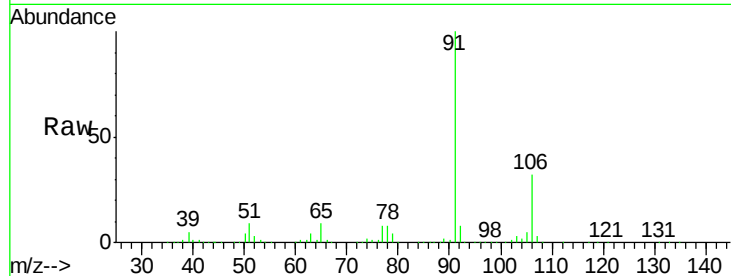




#67
Ethyl Benzene
Concen: 19.853 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

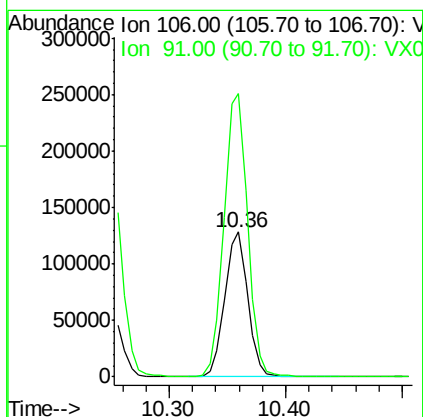
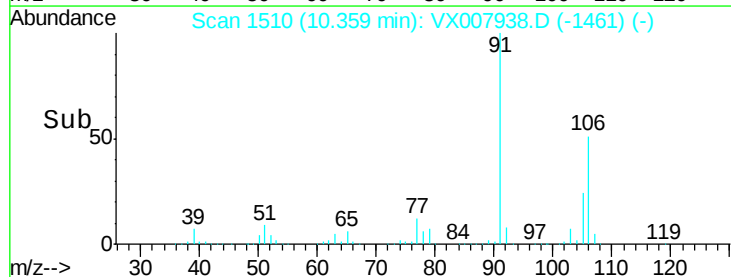
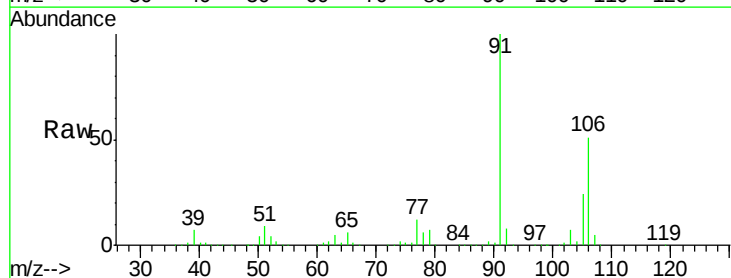
Instrument :
MSVOA_X
ClientSampleId :
VX0308WBSD02

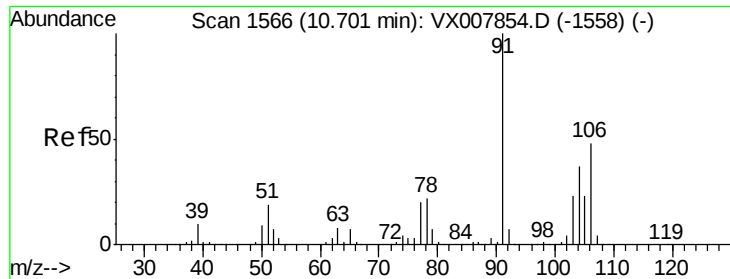
Tot Ion: 91 Resp: 226751
Ion Ratio Lower Upper
91 100
106 31.7 25.2 37.8



#68
m/p-Xylenes
Concen: 39.690 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

Tgt Ion: 106 Resp: 174731
Ion Ratio Lower Upper
106 100
91 201.5 159.8 239.6

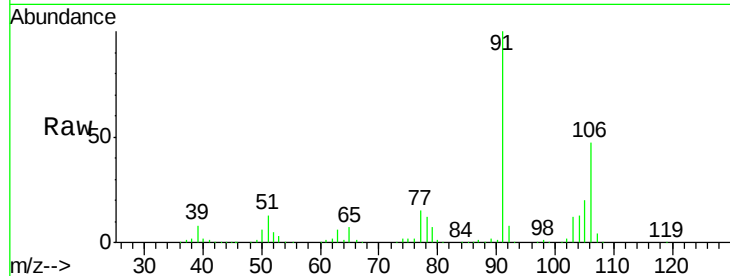




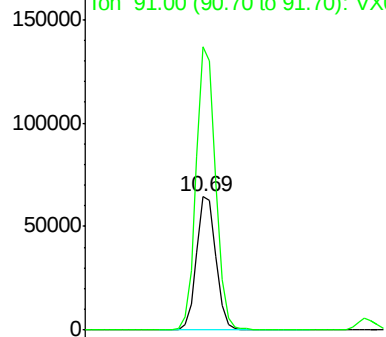
#69
o-Xylene
Concen: 19.992 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

Instrument :
MSVOA_X
ClientSampleId :
VX0308WBSD02

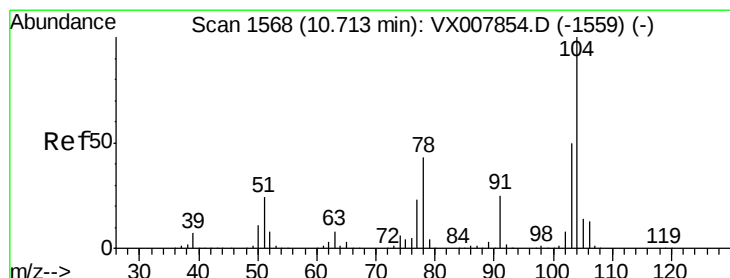
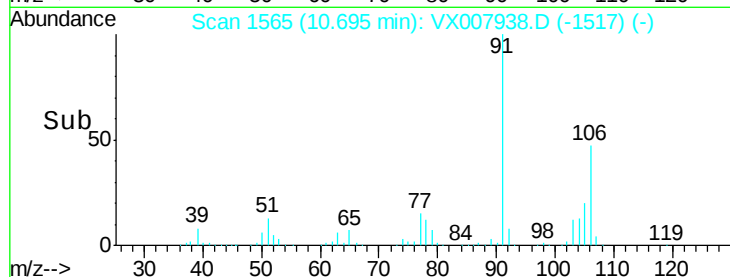
Tot Ion:106 Resp: 84973
Ion Ratio Lower Upper
106 100
91 212.9 106.3 318.9



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

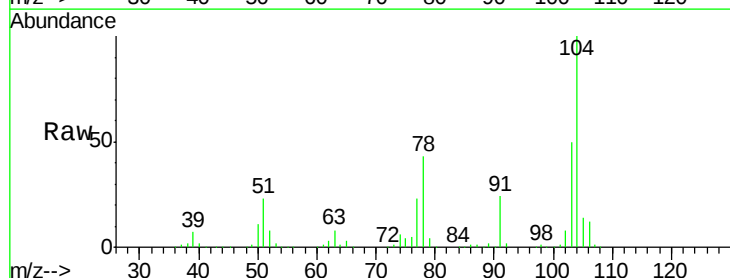


Time--> 10.60 10.70 10.80

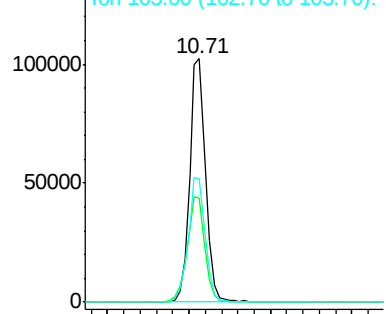


#70
Styrene
Concen: 20.198 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

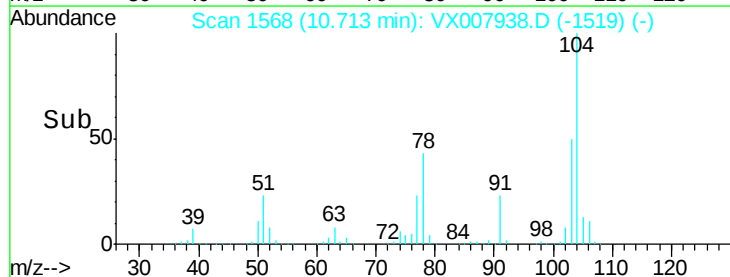
Tgt Ion:104 Resp: 140480
Ion Ratio Lower Upper
104 100
78 48.0 38.5 57.7
103 55.1 44.1 66.1

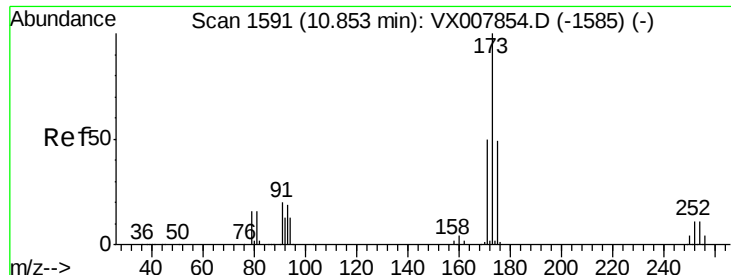


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



Time--> 10.60 10.70 10.80 10.90





#71

Bromoform

Concen: 18.480 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBSD02

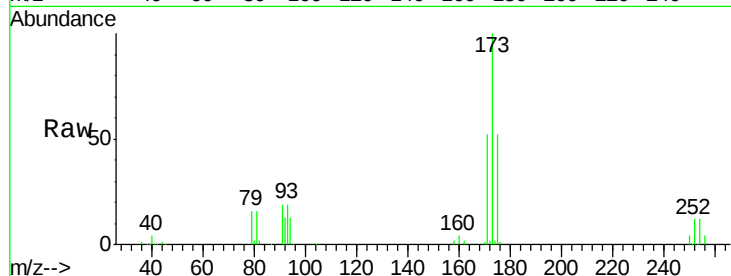
Tot Ion:173 Resp: 39465

Ion Ratio Lower Upper

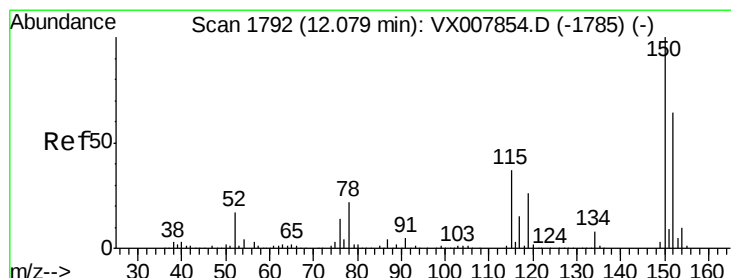
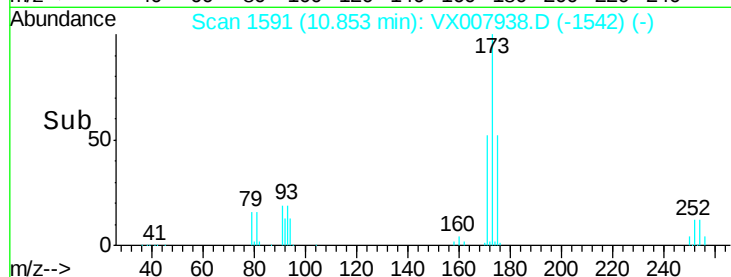
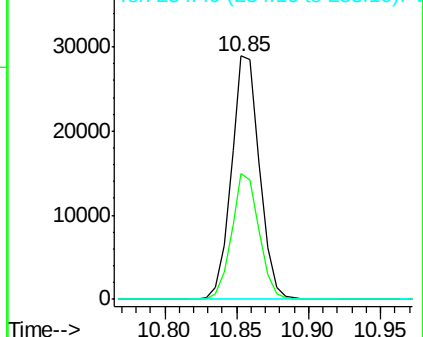
173 100

175 50.3 24.3 72.9

254 0.0 0.1 0.1#



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: VX007938.D

Acq: 08 Mar 2019 18:42

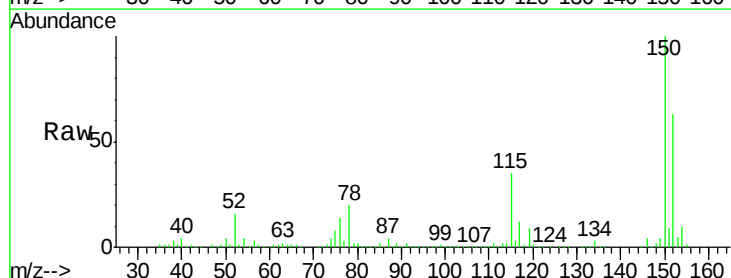
Tgt Ion:152 Resp: 161894

Ion Ratio Lower Upper

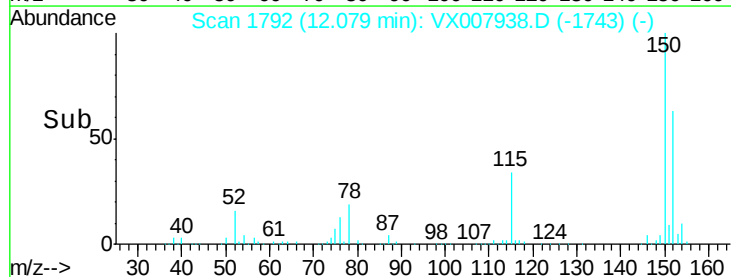
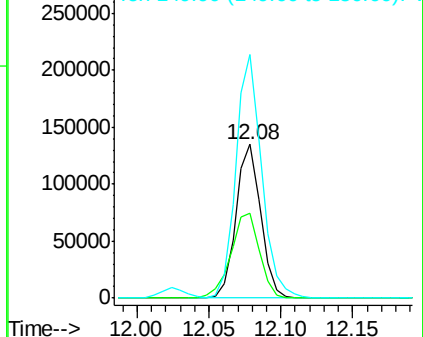
152 100

115 64.6 38.6 115.7

150 164.4 0.0 348.4



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

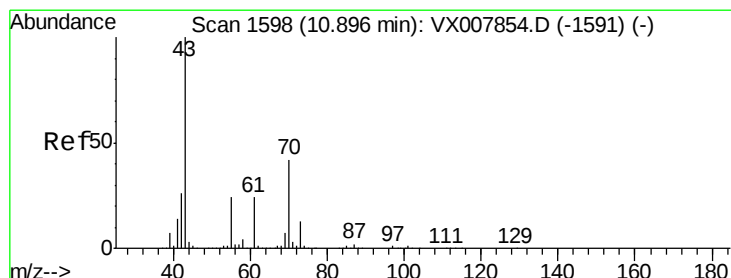
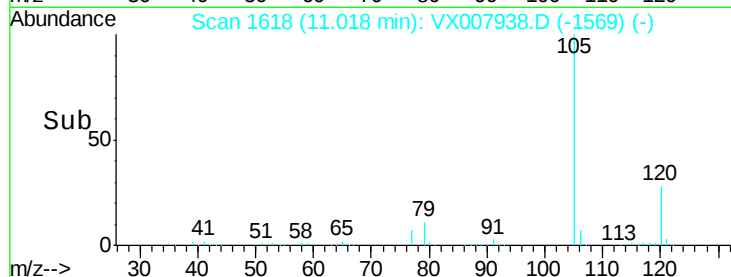
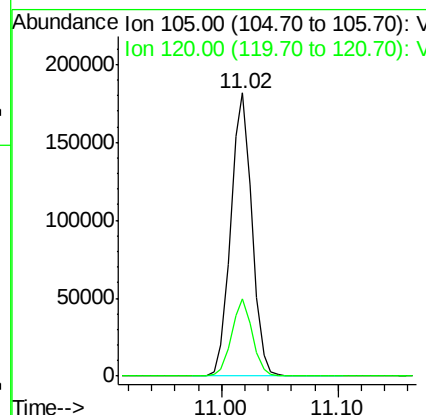
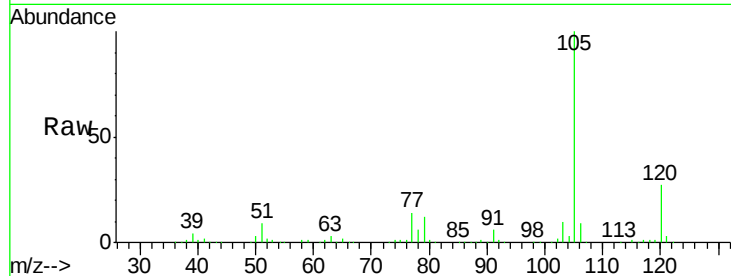




#73
Isopropylbenzene
Concen: 20.857 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

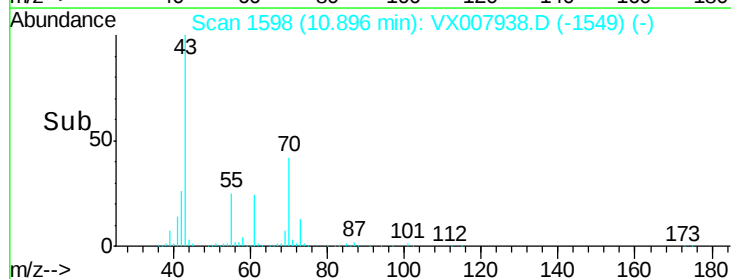
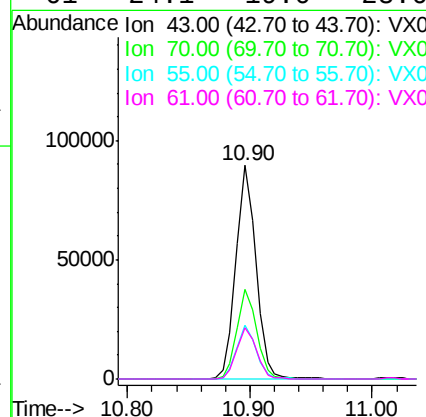
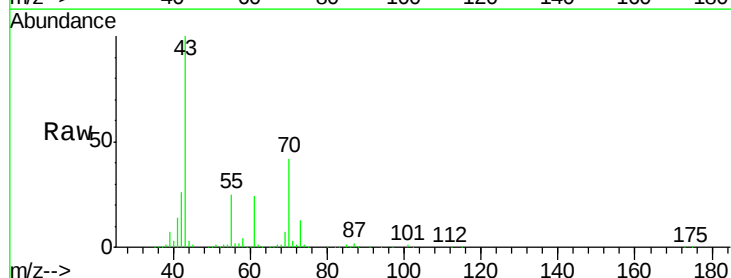
Instrument :
MSVOA_X
ClientSampleId :
VX0308WBSD02

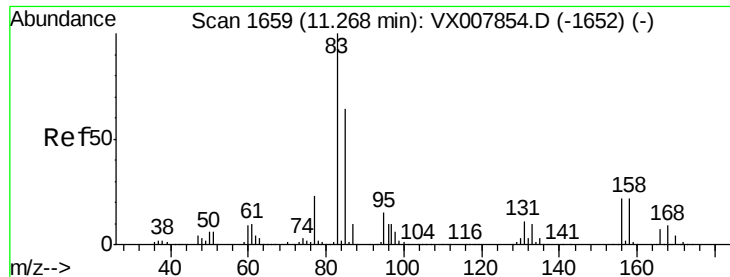
Tot Ion:105 Resp: 228364
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.1



#74
N-ethyl acetate
Concen: 20.276 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

Tgt Ion: 43 Resp: 101353
Ion Ratio Lower Upper
43 100
70 41.9 33.5 50.3
55 25.2 19.2 28.8
61 24.1 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.091 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBSD02

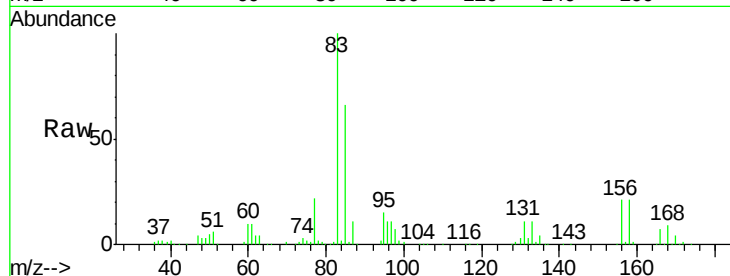
Tot Ion: 83 Resp: 75878

Ion Ratio Lower Upper

83 100

131 10.7 5.4 16.2

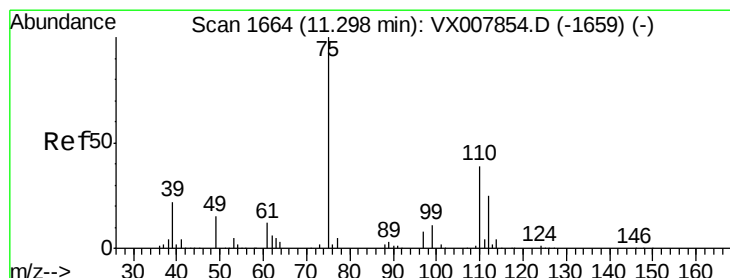
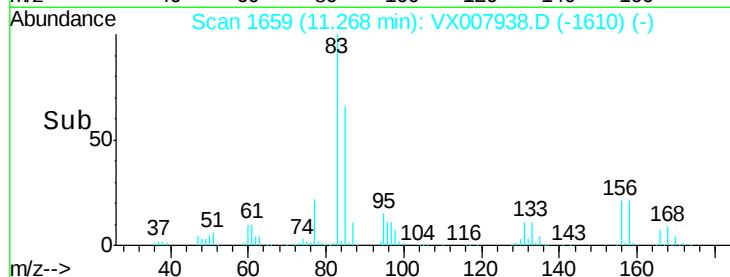
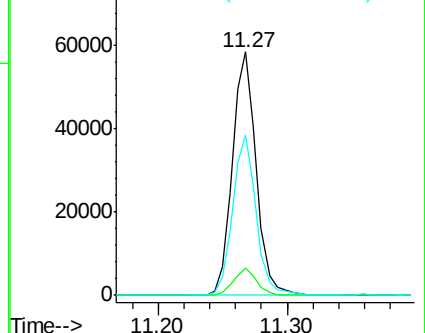
85 64.7 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 25.014 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX007938.D

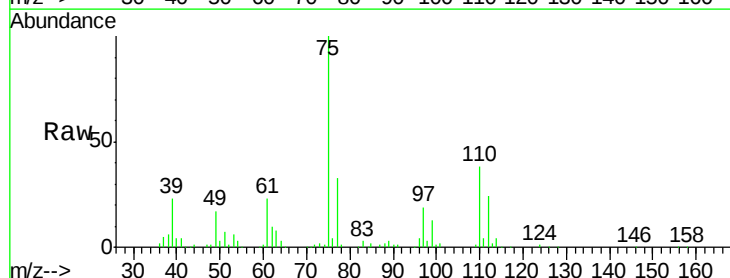
Acq: 08 Mar 2019 18:42

Tgt Ion: 75 Resp: 84979

Ion Ratio Lower Upper

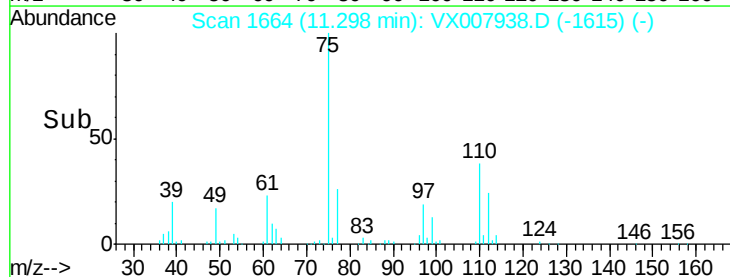
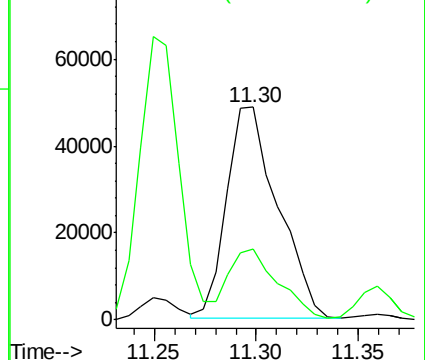
75 100

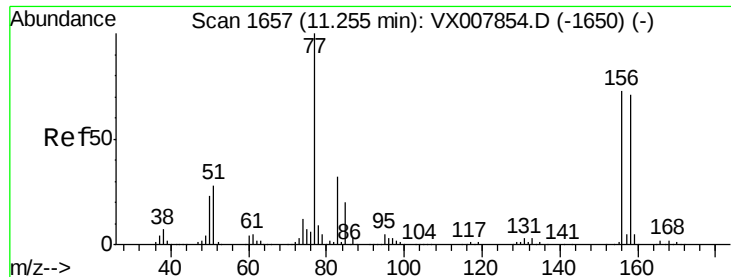
77 33.3 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.407 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBSD02

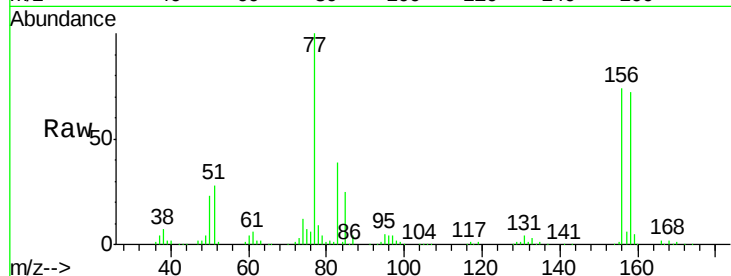
Tot Ion:156 Resp: 61260

Ion Ratio Lower Upper

156 100

77 141.7 72.0 215.9

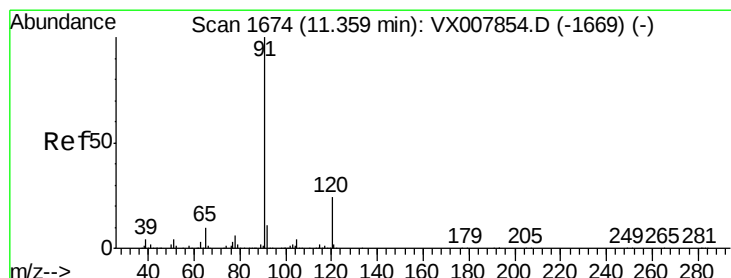
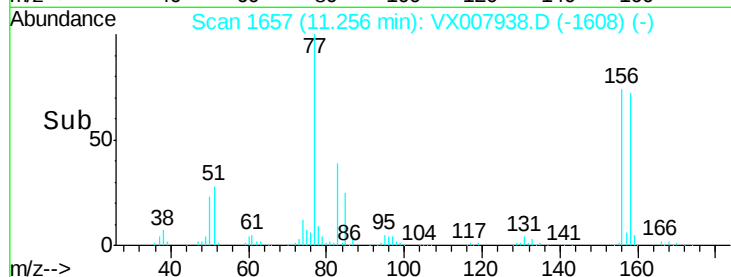
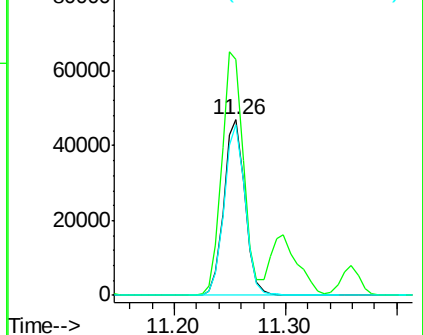
158 96.9 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.666 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007938.D

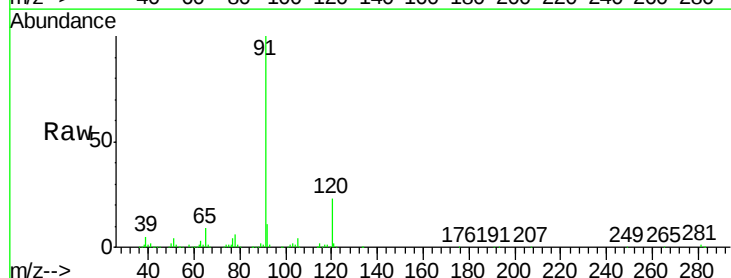
Acq: 08 Mar 2019 18:42

Tgt Ion: 91 Resp: 251027

Ion Ratio Lower Upper

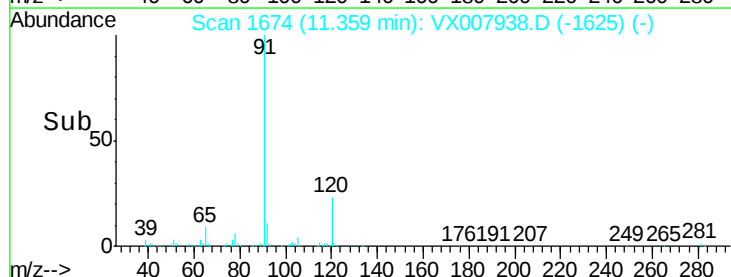
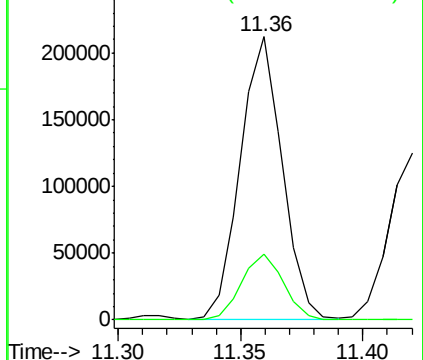
91 100

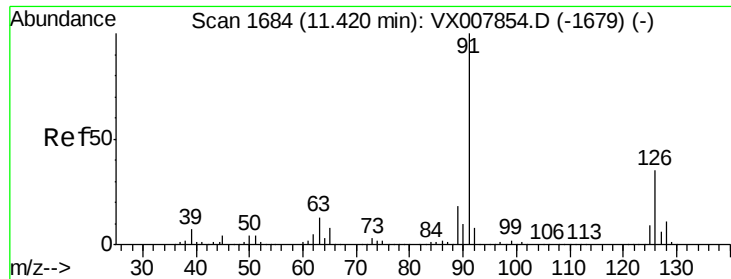
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.424 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

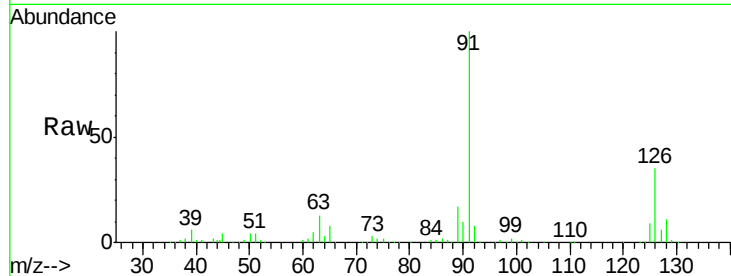
VX0308WBSD02

Tot Ion: 91 Resp: 151683

Ion Ratio Lower Upper

91 100

126 35.5 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VX007854.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX007854.D (-1679) (-)

250000

200000

150000

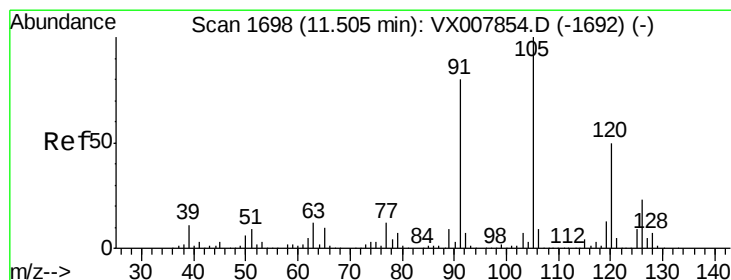
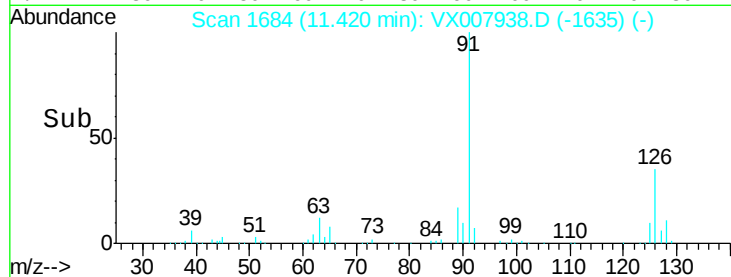
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.886 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007938.D

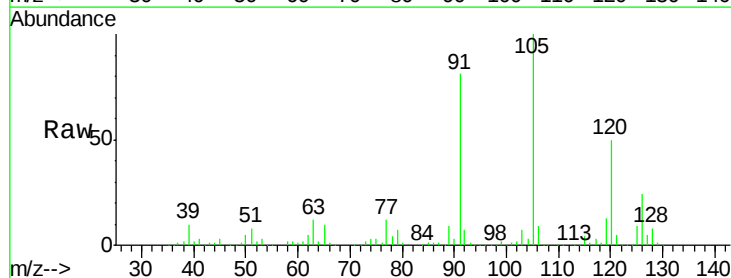
Acq: 08 Mar 2019 18:42

Tgt Ion: 105 Resp: 188217

Ion Ratio Lower Upper

105 100

120 49.4 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VX007854.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX007854.D (-1692) (-)

150000

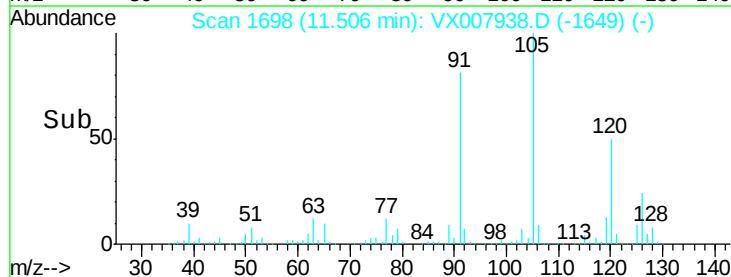
100000

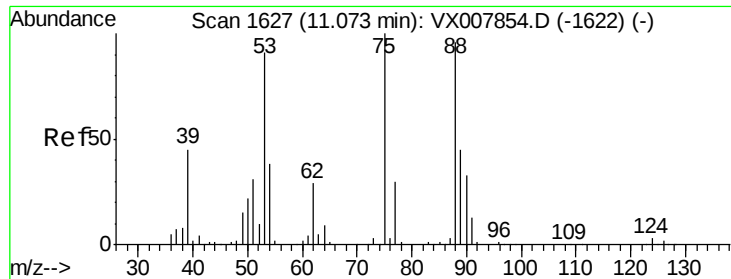
50000

0

11.40 11.50 11.60

Time-->

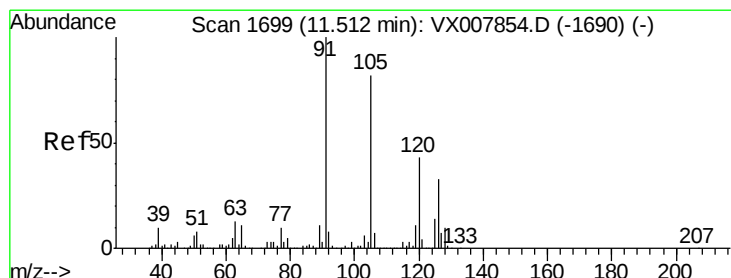
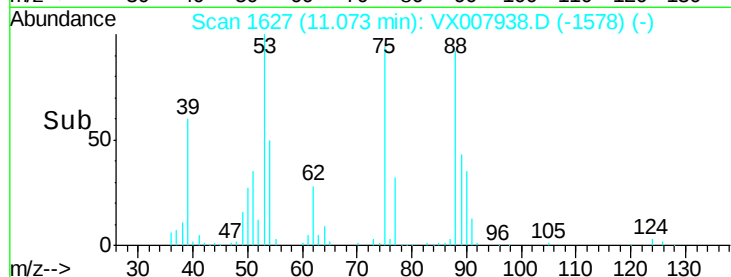
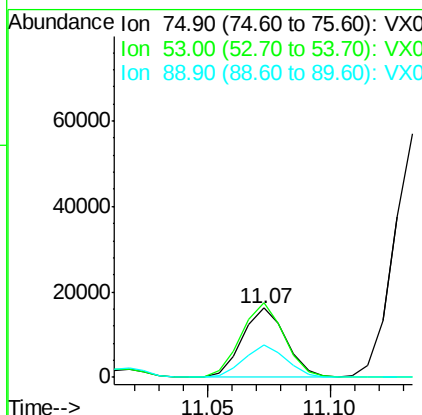
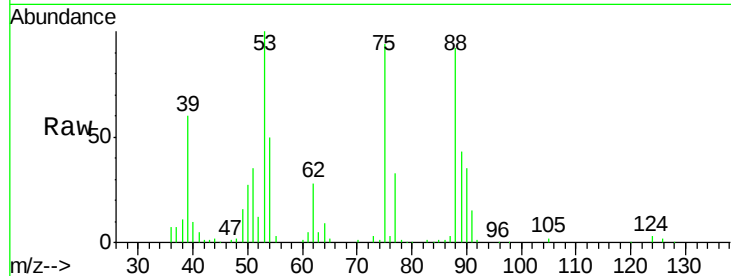




#81
trans-1,4-Dichloro-2-butene
Concen: 18.912 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

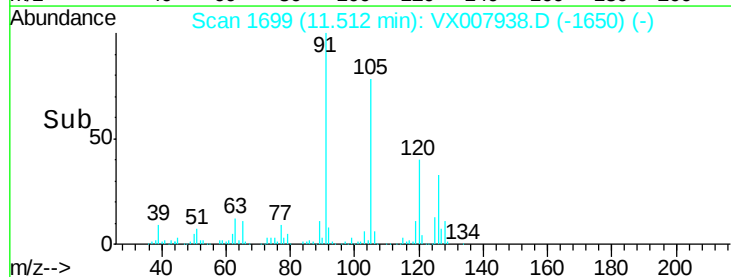
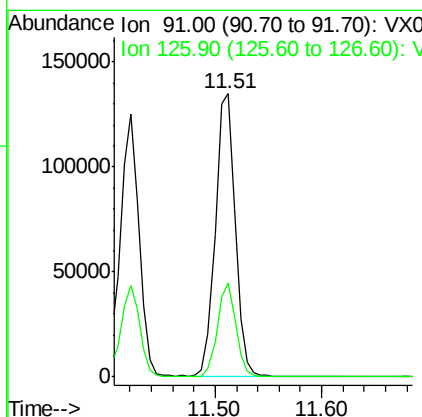
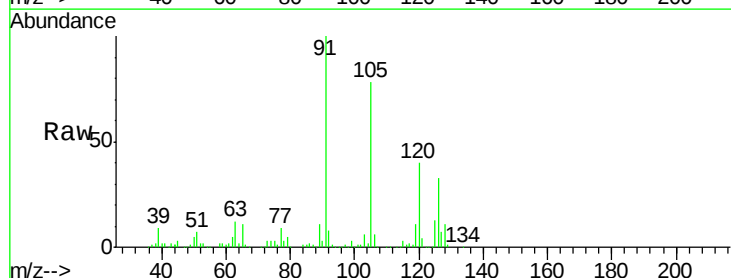
Instrument :
MSVOA_X
ClientSampleId :
VX0308WBSD02

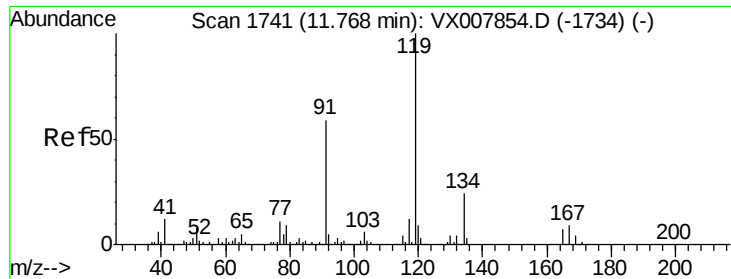
Tot Ion: 75 Resp: 20100
Ion Ratio Lower Upper
75 100
53 106.3 76.1 114.1
89 44.9 36.3 54.5



#82
4-Chlorotoluene
Concen: 20.498 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

Tgt Ion: 91 Resp: 174465
Ion Ratio Lower Upper
91 100
126 31.1 15.6 46.8

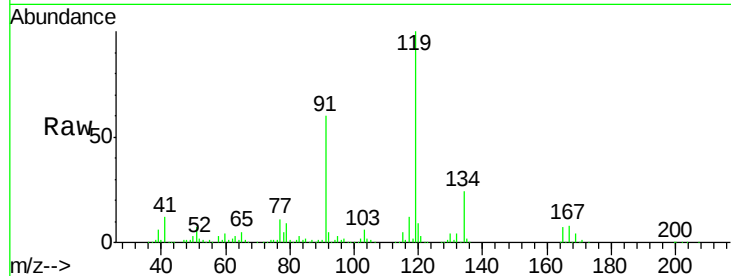




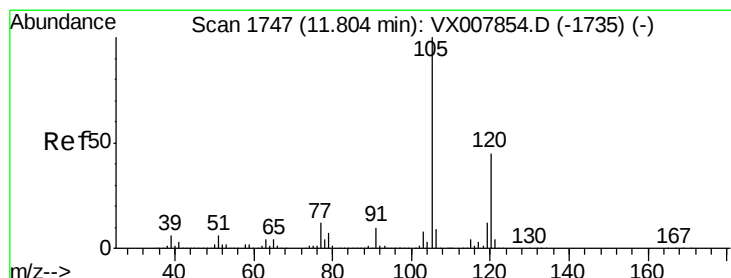
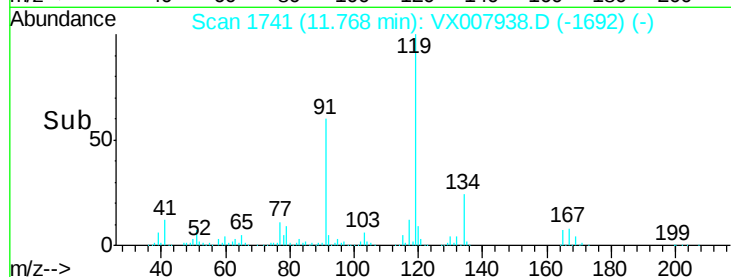
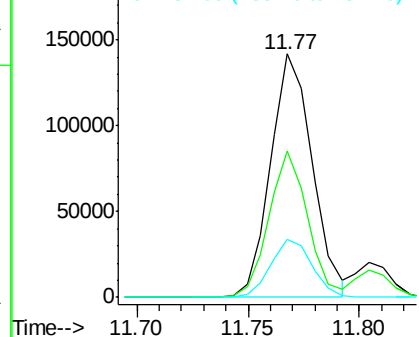
#83
 tert-Butylbenzene
 Concen: 20.332 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007938.D
 Acq: 08 Mar 2019 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBSD02

Tot Ion:119 Resp: 184563
 Ion Ratio Lower Upper
 119 100
 91 55.8 27.1 81.3
 134 23.5 11.4 34.1

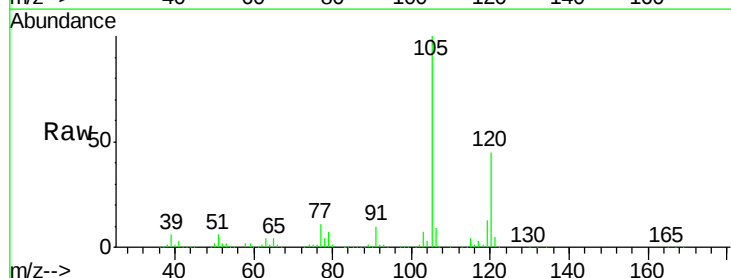


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX0
 Ion 134.00 (133.70 to 134.70): V

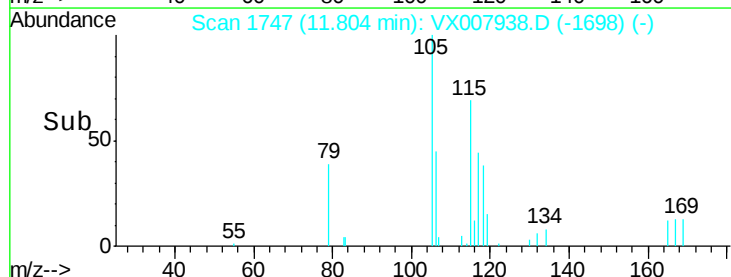
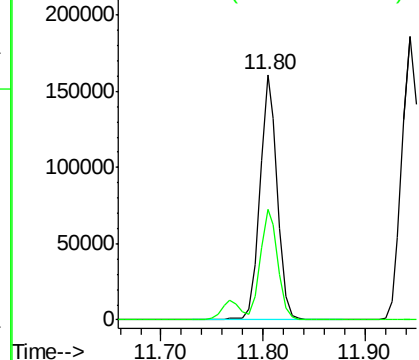


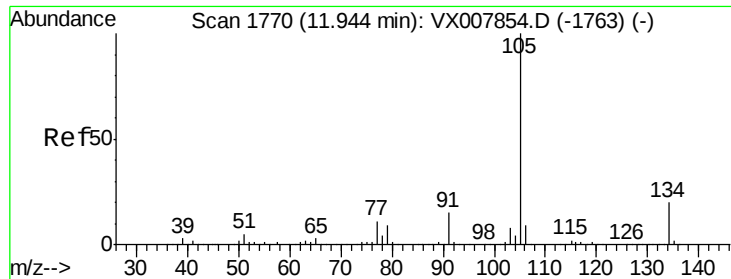
#84
 1,2,4-Trimethylbenzene
 Concen: 20.827 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007938.D
 Acq: 08 Mar 2019 18:42

Tgt Ion:105 Resp: 192406
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.6 67.7



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





#85

sec-Butylbenzene

Concen: 20.910 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

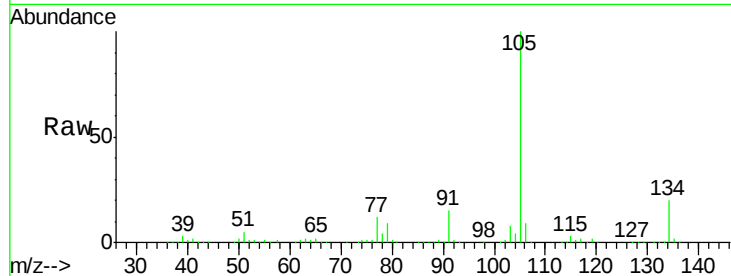
VX0308WBSD02

Tot Ion:105 Resp: 223549

Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

200000

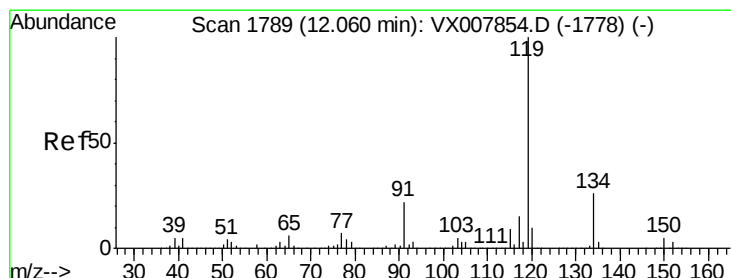
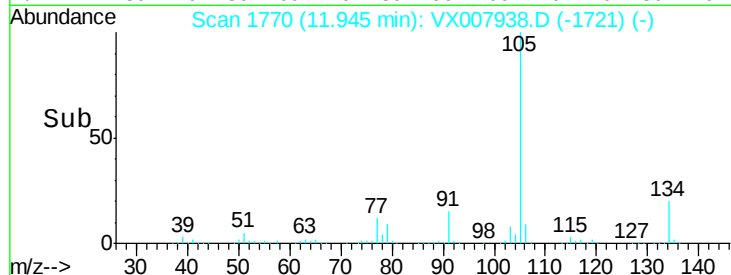
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.851 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

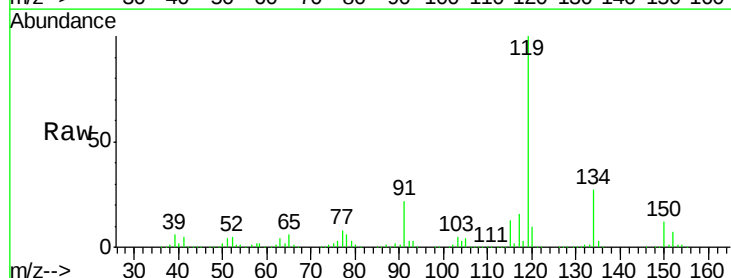
Tgt Ion:119 Resp: 199642

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 21.9 10.9 32.7



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): V

12.06

200000

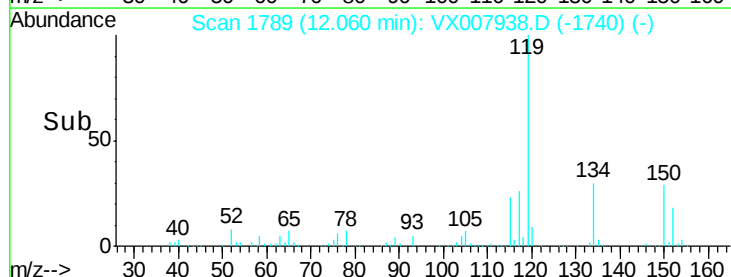
150000

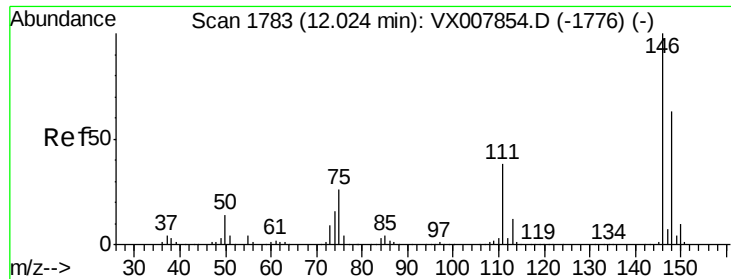
100000

50000

0

Time-->

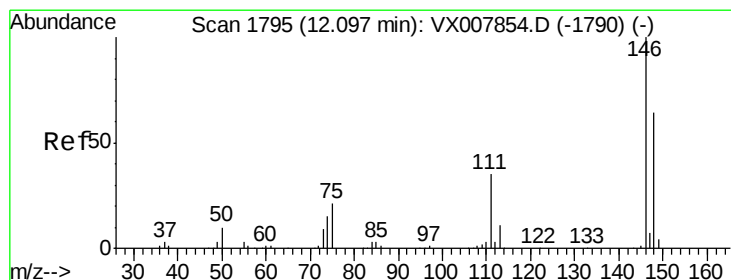
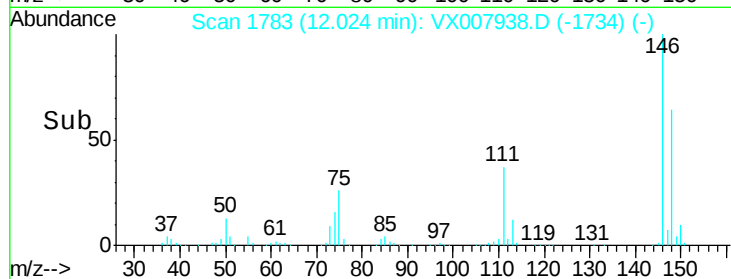
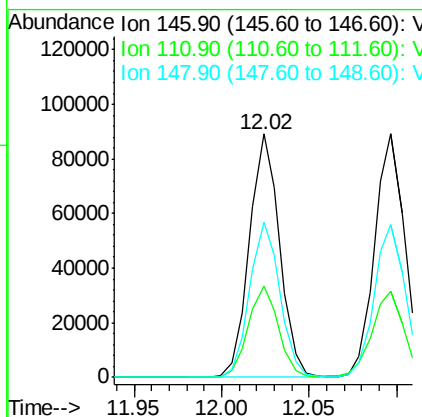
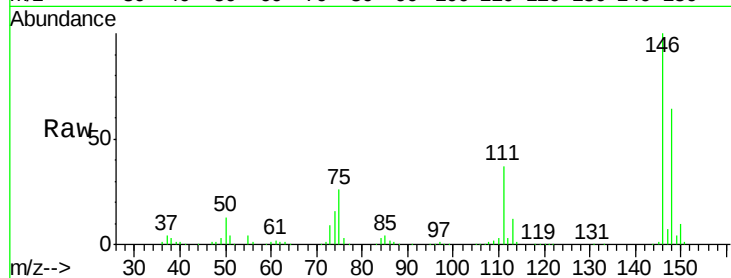




#87
 1,3-Dichlorobenzene
 Concen: 20.128 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007938.D
 Acq: 08 Mar 2019 18:42

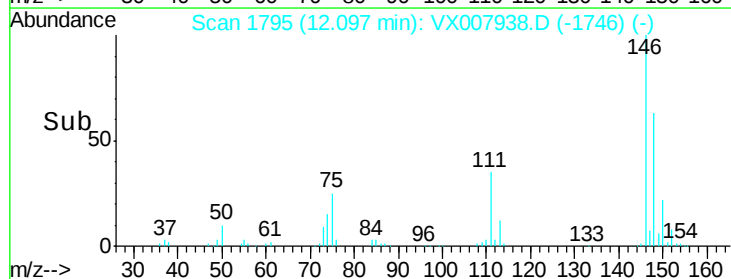
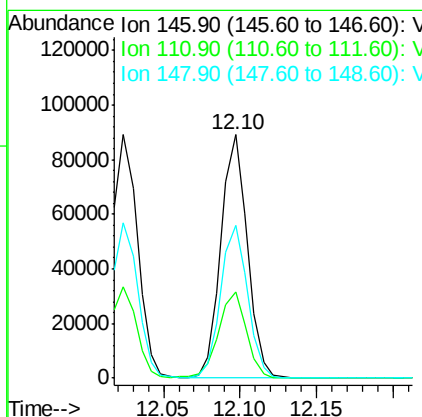
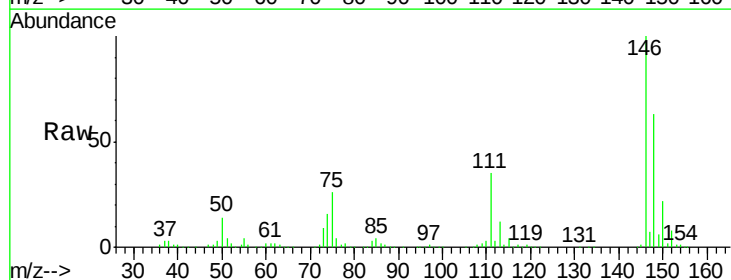
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBSD02

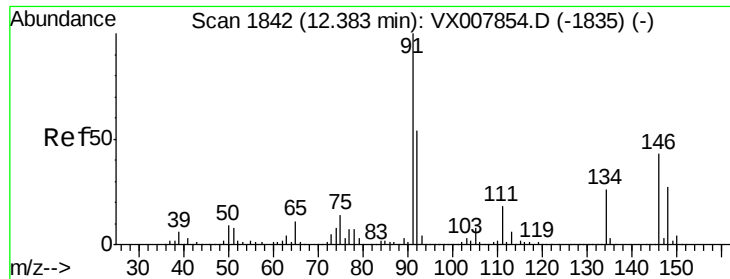
Tot Ion:146 Resp: 106896
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.9 56.7
 148 64.1 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 19.689 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007938.D
 Acq: 08 Mar 2019 18:42

Tgt Ion:146 Resp: 107083
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.4 55.0
 148 64.1 32.2 96.6

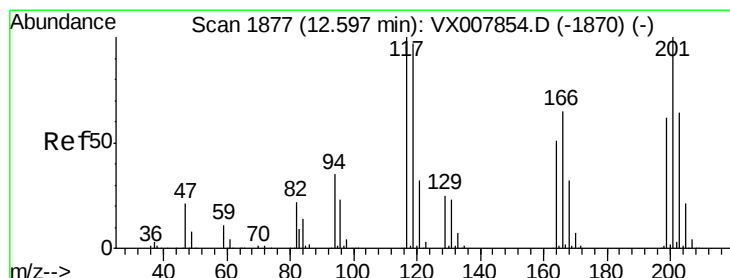
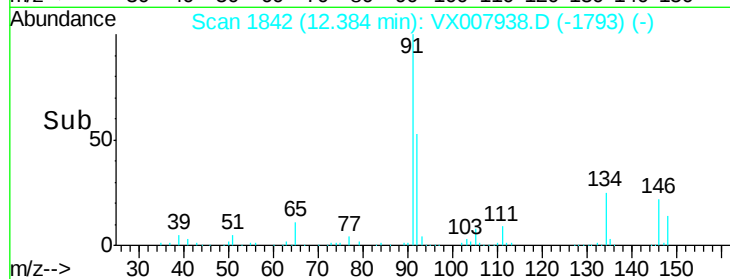
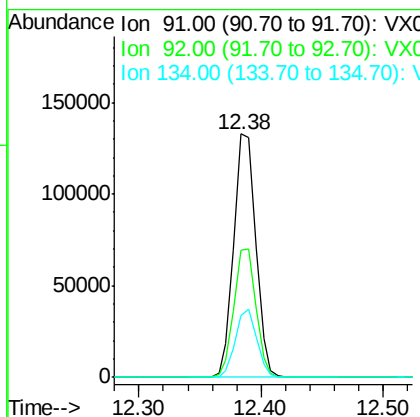
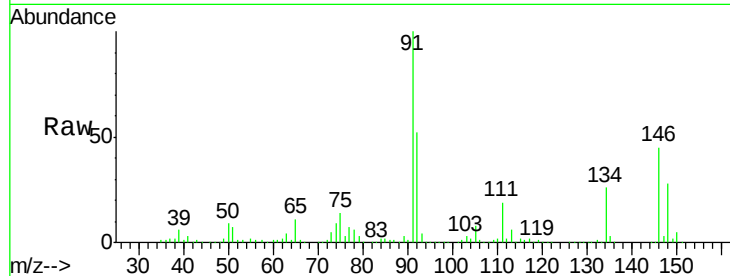




#89
n-Butylbenzene
Concen: 20.382 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

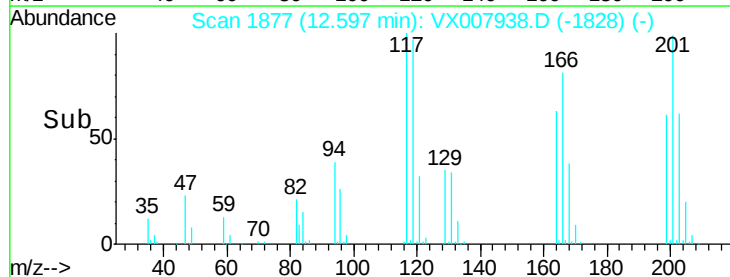
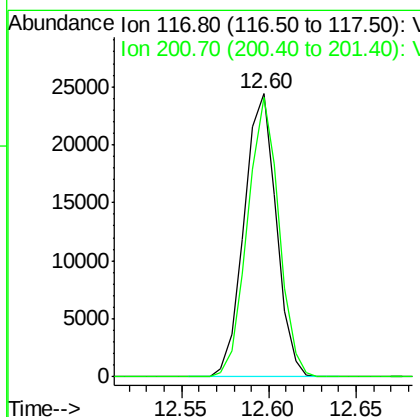
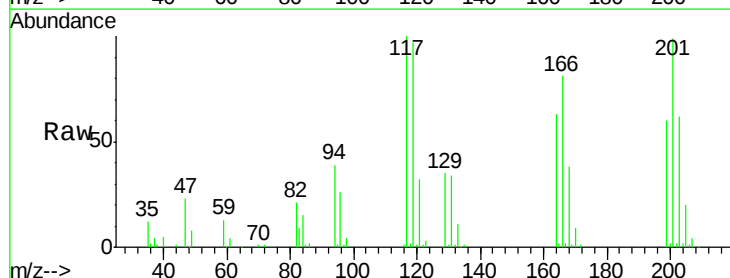
Instrument :
MSVOA_X
ClientSampled :
VX0308WBSD02

Tot Ion: 91 Resp: 165334
Ion Ratio Lower Upper
91 100
92 52.7 27.0 80.8
134 26.8 13.7 41.0



#90
Hexachloroethane
Concen: 19.489 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007938.D
Acq: 08 Mar 2019 18:42

Tgt Ion: 117 Resp: 31199
Ion Ratio Lower Upper
117 100
201 96.1 48.9 146.7





#91

1,2-Dichlorobenzene

Concen: 20.083 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

MSVOA_X

ClientSampleId :

VX0308WBSD02

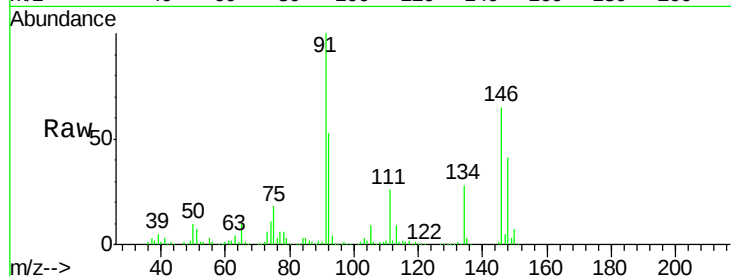
Tot Ion:146 Resp: 105952

Ion Ratio Lower Upper

146 100

111 39.3 19.6 58.8

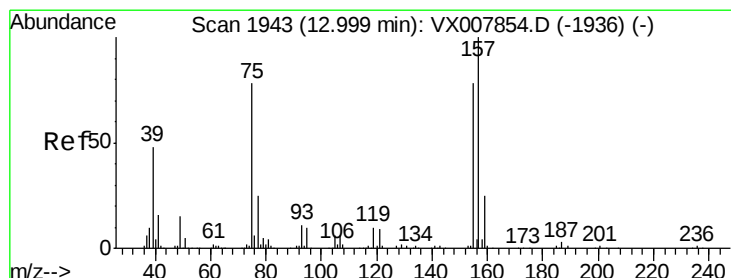
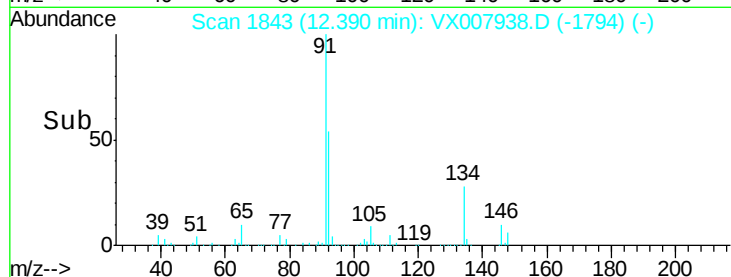
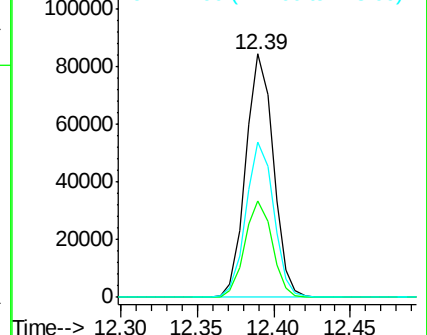
148 64.3 31.9 95.5



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: 19.158 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

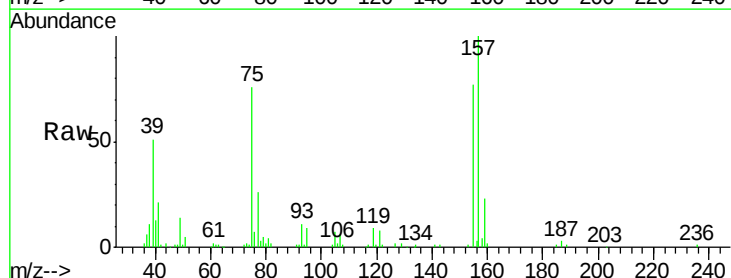
Tgt Ion: 75 Resp: 15122

Ion Ratio Lower Upper

75 100

155 100.4 49.7 149.1

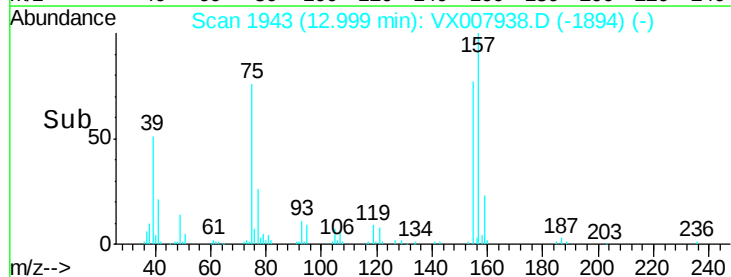
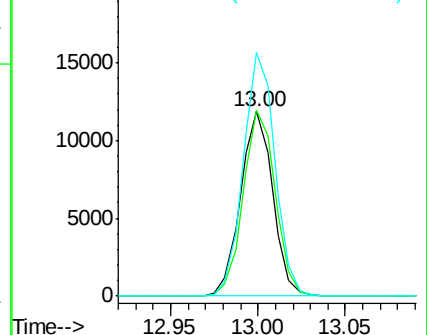
157 129.8 63.8 191.4

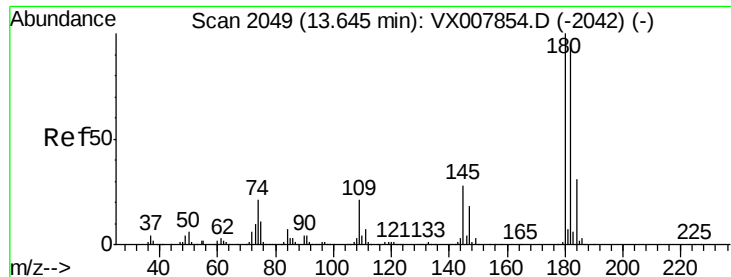


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

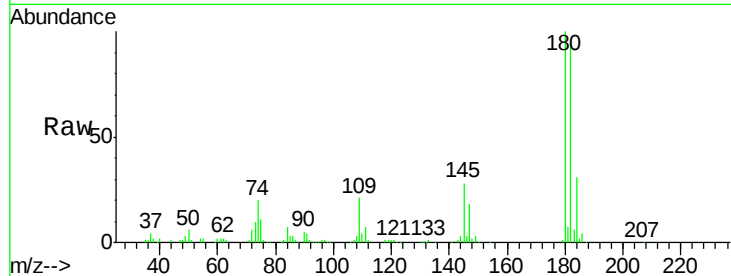




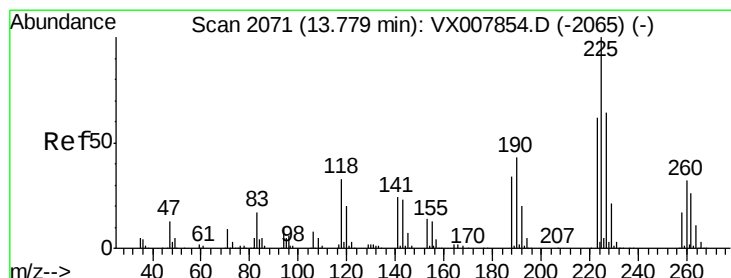
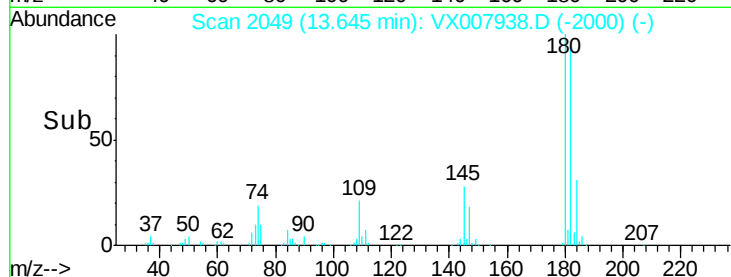
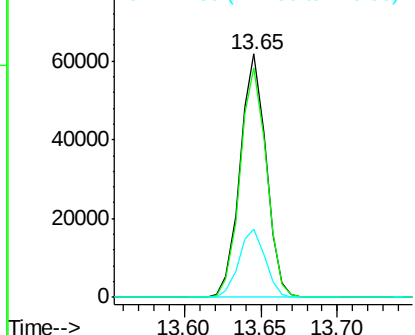
#93
 1,2,4-Trichlorobenzene
 Concen: 19.660 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007938.D
 Acq: 08 Mar 2019 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBSD02

Tot Ion:180 Resp: 72866
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.9 143.7
 145 28.3 14.1 42.4

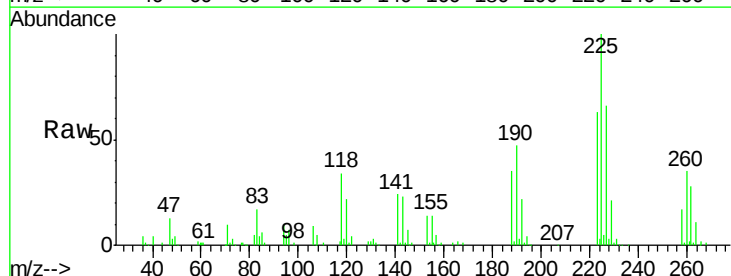


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

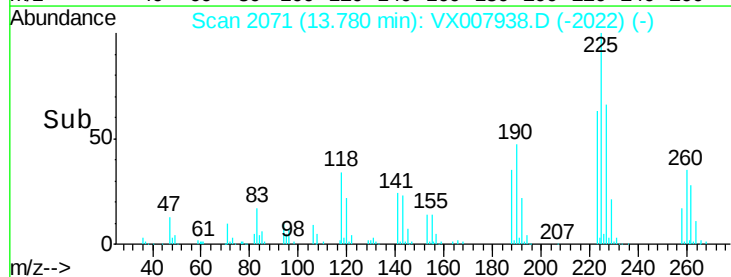
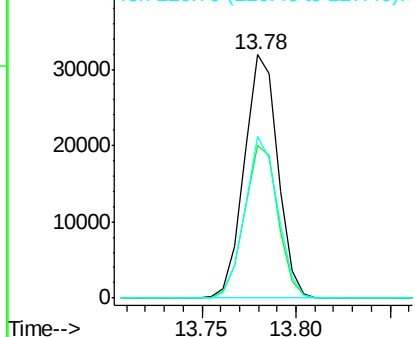


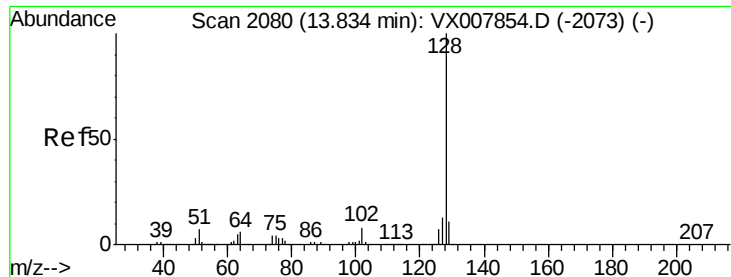
#94
 Hexachlorobutadiene
 Concen: 20.320 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007938.D
 Acq: 08 Mar 2019 18:42

Tgt Ion:225 Resp: 39375
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.1 93.2
 227 64.7 32.0 96.0



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: 20.494 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Instrument :

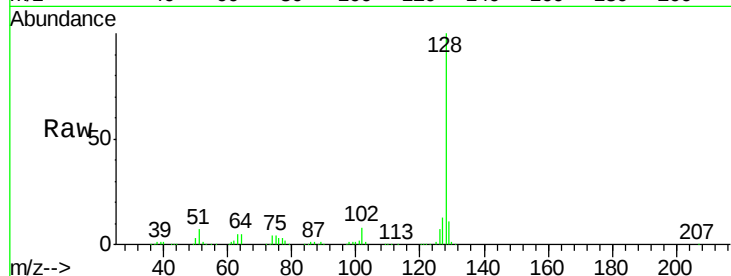
MSVOA_X

ClientSampleId :

VX0308WBSD02

Tot Ion:128 Resp: 218855

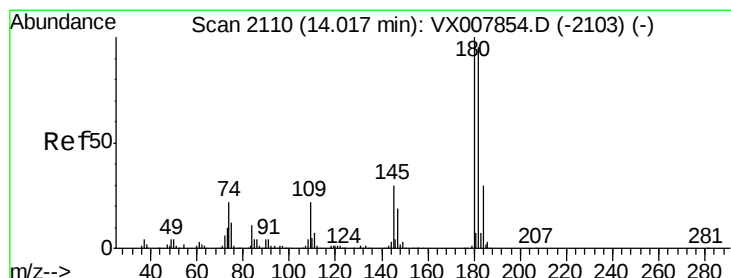
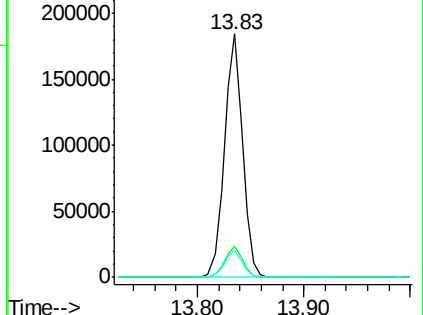
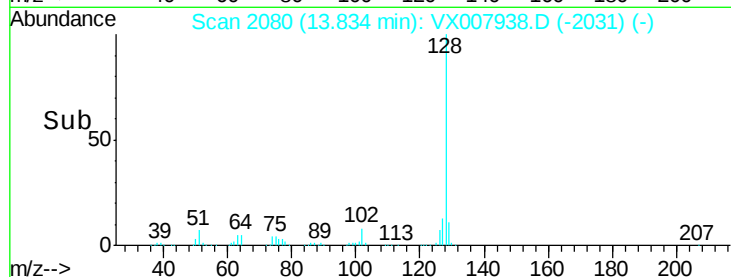
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	11.0	8.7	13.1



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: 20.136 ug/l

RT: 14.02 min Scan# 2110

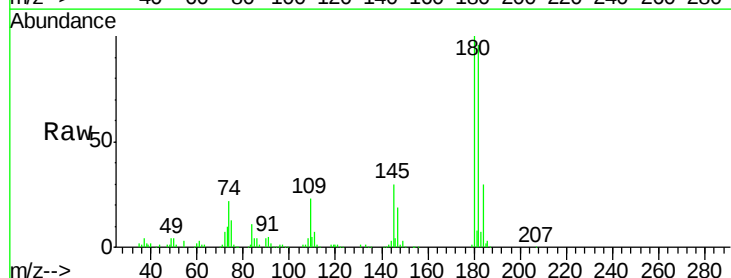
Delta R.T. 0.00 min

Lab File: VX007938.D

Acq: 08 Mar 2019 18:42

Tgt Ion:180 Resp: 74344

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.5
145	29.6	14.8	44.3



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

