

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070618\
 Data File : VX003236.D
 Acq On : 07 Jul 2018 02:00
 Operator : JC/MD
 Sample : VX0706WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 07 03:17:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	218573	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	297631	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	285987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	178306	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	161240	53.37	ug/l	0.00
Spiked Amount			Recovery	=	106.74%	
35) Dibromofluoromethane	5.51	113	138612	58.81	ug/l	0.00
Spiked Amount			Recovery	=	117.62%	
50) Toluene-d8	8.72	98	472926	54.95	ug/l	0.00
Spiked Amount			Recovery	=	109.90%	
62) 4-Bromofluorobenzene	11.14	95	182837	55.08	ug/l	0.00
Spiked Amount			Recovery	=	110.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	45697	23.26	ug/l	97
3) Chloromethane	1.32	50	49050	23.58	ug/l	99
4) Vinyl Chloride	1.40	62	52623	21.29	ug/l	93
5) Bromomethane	1.64	94	21872	17.17	ug/l	96
6) Chloroethane	1.72	64	34341	22.51	ug/l	100
7) Trichlorofluoromethane	1.93	101	85592	20.53	ug/l	97
8) Diethyl Ether	2.19	74	32531	21.46	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	50037	20.71	ug/l	97
10) Methyl Iodide	2.51	142	40937	20.85	ug/l	97
11) Tert butyl alcohol	3.08	59	63934	106.23	ug/l	97
12) 1,1-Dichloroethene	2.37	96	45923	21.30	ug/l	92
13) Acrolein	2.29	56	31923	98.29	ug/l	99
14) Allyl chloride	2.73	41	84383	19.86	ug/l	95
15) Acrylonitrile	3.15	53	142514	110.86	ug/l	99
16) Acetone	2.45	43	129565	103.56	ug/l	97
17) Carbon Disulfide	2.57	76	110531	19.24	ug/l	100
18) Methyl Acetate	2.78	43	73514	21.02	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	164632	21.24	ug/l	100
20) Methylene Chloride	2.86	84	57972	23.81	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	49127	20.92	ug/l	92
22) Diisopropyl ether	3.88	45	174325	21.46	ug/l	99
23) Vinyl Acetate	3.83	43	719692	104.64	ug/l	99
24) 1,1-Dichloroethane	3.70	63	93804	21.25	ug/l	99
25) 2-Butanone	4.71	43	215831	116.24	ug/l	98
26) 2,2-Dichloropropane	4.59	77	55123	15.36	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	60001	22.79	ug/l	99
28) Bromochloromethane	5.02	49	48460	22.93	ug/l	90
29) Tetrahydrofuran	5.17	42	138550	116.36	ug/l	96
30) Chloroform	5.22	83	104400	23.04	ug/l	95
31) Cyclohexane	5.58	56	81139	21.42	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	89341	22.41	ug/l	99
36) 1,1-Dichloropropene	5.80	75	70576	21.62	ug/l	98
37) Ethyl Acetate	4.87	43	82637	23.51	ug/l	98
38) Carbon Tetrachloride	5.79	117	80219	22.40	ug/l	98

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 Sample : VX0706WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 07 03:17:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	79336	20.87	ug/l	98
40) Benzene	6.15	78	223040	23.52	ug/l	97
41) Methacrylonitrile	5.07	41	46727	23.09	ug/l	96
42) 1,2-Dichloroethane	6.20	62	84093	21.95	ug/l	98
43) Isopropyl Acetate	6.47	43	129211	21.92	ug/l	97
44) Trichloroethene	7.21	130	65111	23.03	ug/l	98
45) 1,2-Dichloropropane	7.52	63	57568	22.88	ug/l	99
46) Dibromomethane	7.67	93	39830	22.81	ug/l	95
47) Bromodichloromethane	7.90	83	72808	22.56	ug/l	98
48) Methyl methacrylate	7.78	41	66497	21.90	ug/l	95
49) 1,4-Dioxane	7.76	88	28101	475.61	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	425000	115.25	ug/l	97
52) Toluene	8.79	92	141847	23.35	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	80270	21.96	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	71780	20.41	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	60065	24.06	ug/l	96
56) Ethyl methacrylate	9.18	69	82187	22.53	ug/l	92
57) 1,3-Dichloropropane	9.38	76	96992	23.66	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	188957	107.35	ug/l	97
59) 2-Hexanone	9.50	43	324830	115.91	ug/l	96
60) Dibromochloromethane	9.59	129	60846	23.15	ug/l	99
61) 1,2-Dibromoethane	9.68	107	62456	23.85	ug/l	100
64) Tetrachloroethene	9.34	164	79058	24.86	ug/l	97
65) Chlorobenzene	10.14	112	165455	22.78	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	61076	23.15	ug/l	100
67) Ethyl Benzene	10.26	91	263361	21.95	ug/l	100
68) m/p-Xylenes	10.36	106	207167	44.80	ug/l	98
69) o-Xylene	10.70	106	102144	22.68	ug/l	97
70) Styrene	10.71	104	168516	23.03	ug/l	99
71) Bromoform	10.86	173	46967	22.06	ug/l #	98
73) Isopropylbenzene	11.02	105	278215	23.19	ug/l	99
74) N-amyl acetate	6.47	43	129211	22.02	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	87526	23.69	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	91155	28.22	ug/l	82
77) Bromobenzene	11.26	156	78476	22.97	ug/l	96
78) n-propylbenzene	11.36	91	308063	22.56	ug/l	99
79) 2-Chlorotoluene	11.42	91	188200	22.77	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	230680	22.83	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	18359	18.75	ug/l	94
82) 4-Chlorotoluene	11.51	91	217565	22.23	ug/l	98
83) tert-Butylbenzene	11.77	119	222299	22.33	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	237528	22.69	ug/l	99
85) sec-Butylbenzene	11.95	105	272508	22.56	ug/l	99
86) p-Isopropyltoluene	12.07	119	243946	22.46	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	142171	22.79	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	142358	22.17	ug/l	100
89) n-Butylbenzene	12.39	91	192353	20.35	ug/l	99
90) Hexachloroethane	12.60	117	34661	21.46	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	145084	23.04	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	17955	21.62	ug/l	95

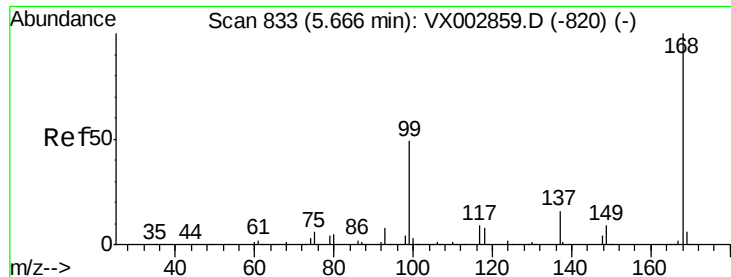
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070618\
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Quant Time: Jul 07 03:17:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	100041	21.83	ug/l	99
94) Hexachlorobutadiene	13.79	225	49153	21.50	ug/l	99
95) Naphthalene	13.84	128	281082	23.03	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	103824	22.68	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

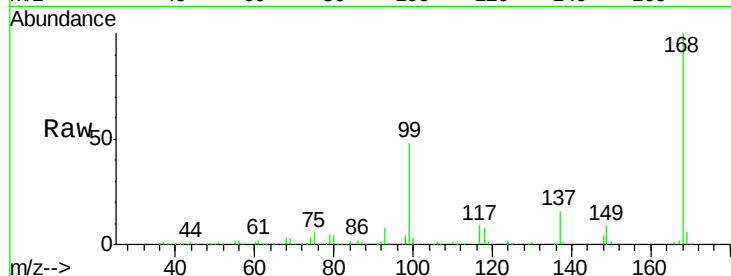
ClientSampleId :

Tot Ion:168 Resp: 218573

Ion Ratio Lower Upper

168 100

99 48.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

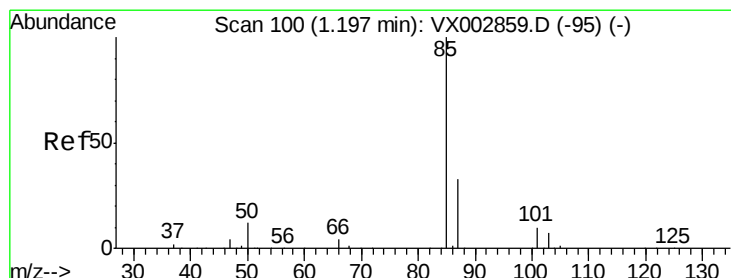
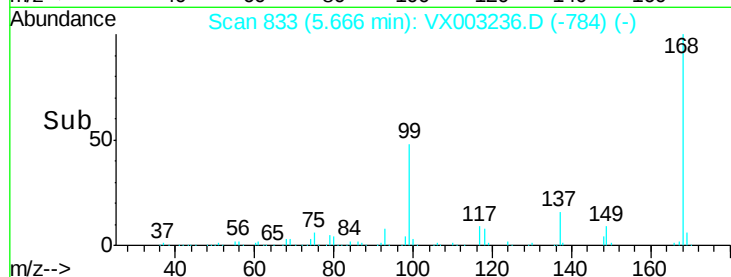
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 23.26 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003236.D

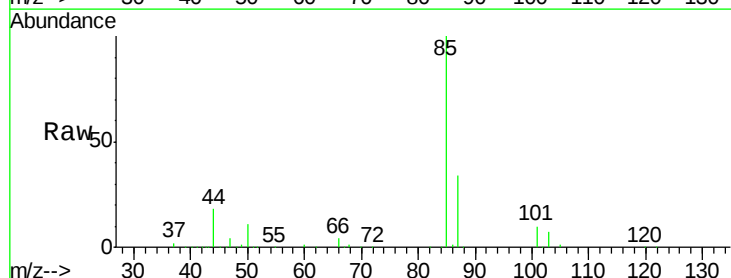
Acq: 07 Jul 2018 02:00

Tgt Ion: 85 Resp: 45697

Ion Ratio Lower Upper

85 100

87 33.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

30000

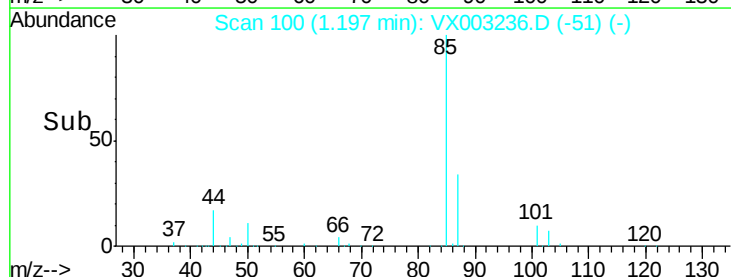
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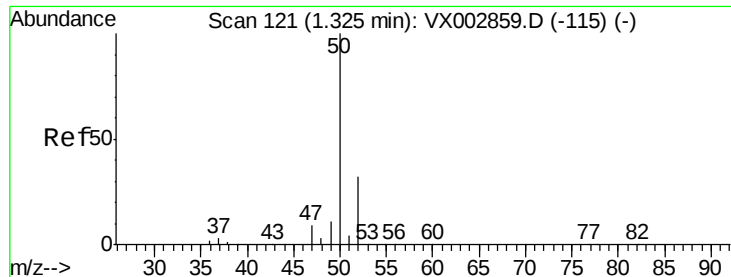
10000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 23.58 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

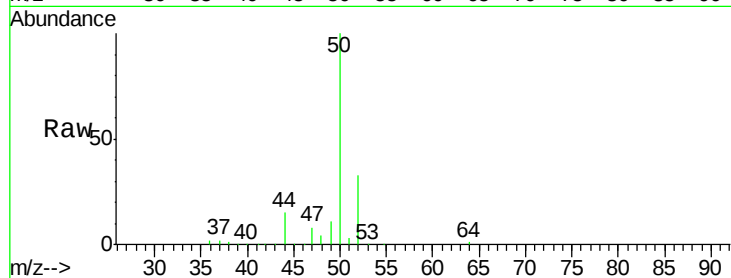
ClientSampled :

Tot Ion: 50 Resp: 49050

Ion Ratio Lower Upper

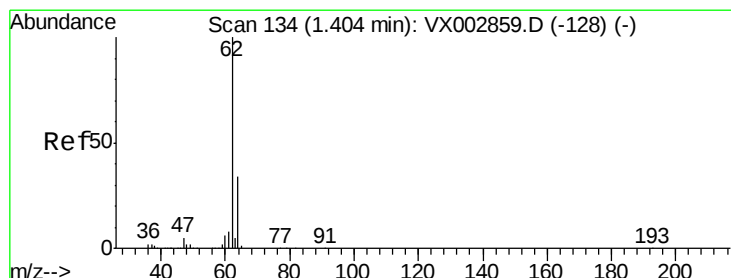
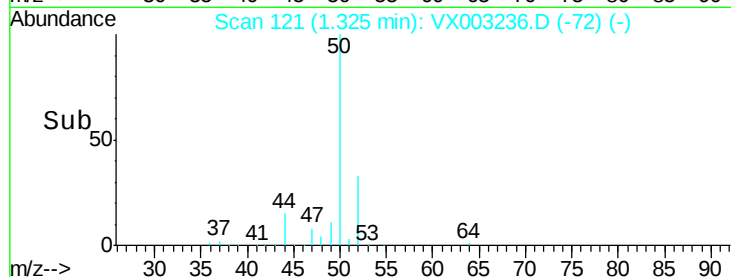
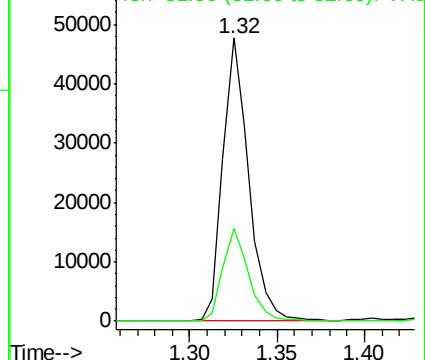
50 100

52 32.6 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.29 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003236.D

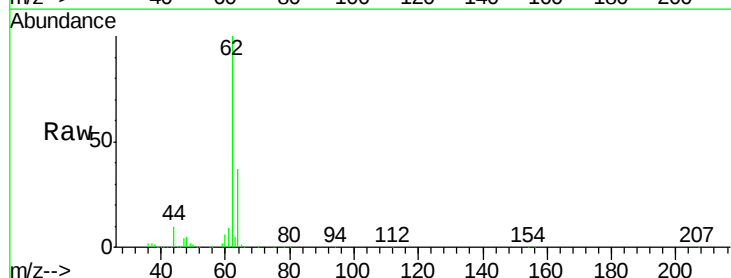
Acq: 07 Jul 2018 02:00

Tgt Ion: 62 Resp: 52623

Ion Ratio Lower Upper

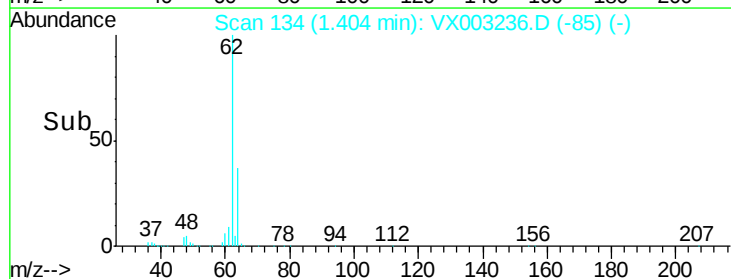
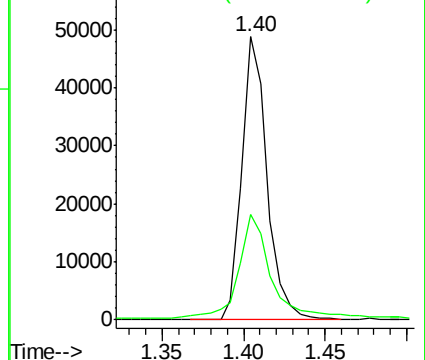
62 100

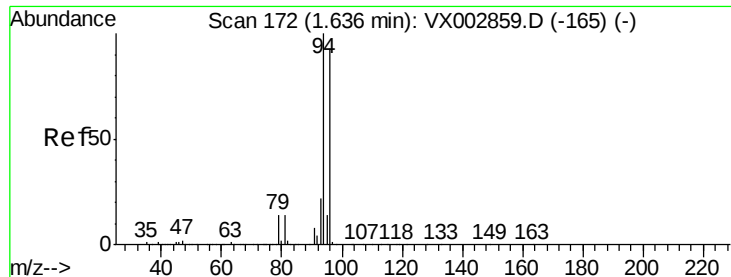
64 35.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.17 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

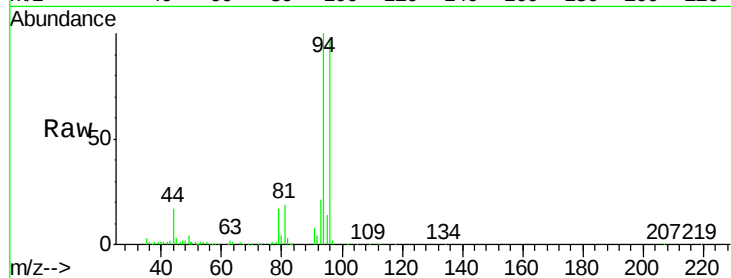
ClientSampleId :

Tot Ion: 94 Resp: 21872

Ion Ratio Lower Upper

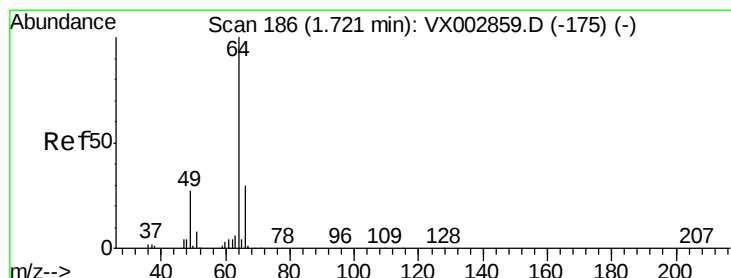
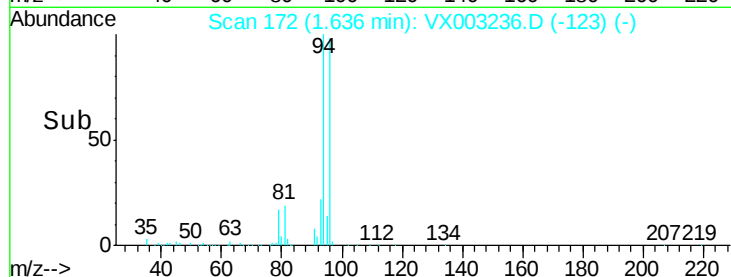
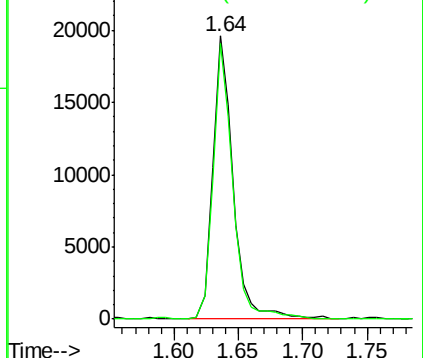
94 100

96 97.1 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 22.51 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003236.D

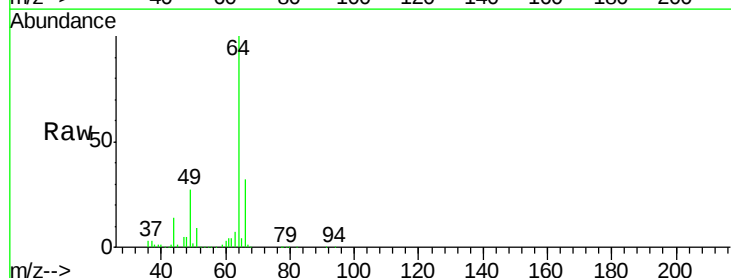
Acq: 07 Jul 2018 02:00

Tgt Ion: 64 Resp: 34341

Ion Ratio Lower Upper

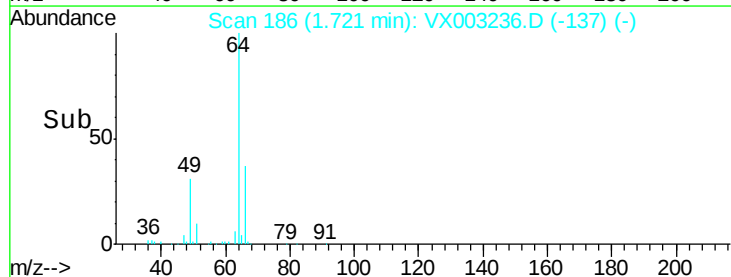
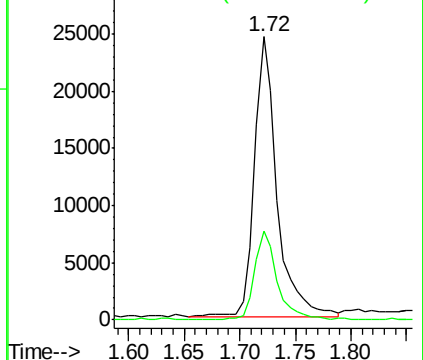
64 100

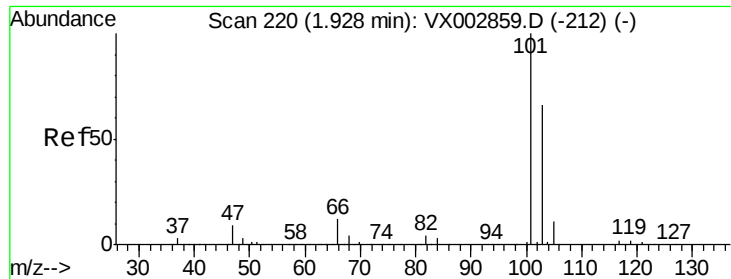
66 31.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



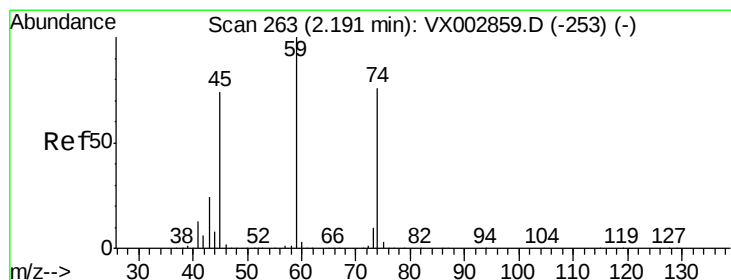
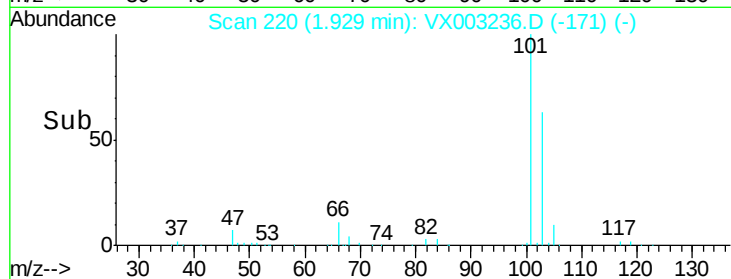
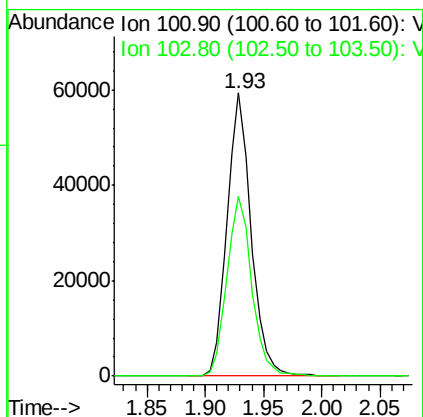
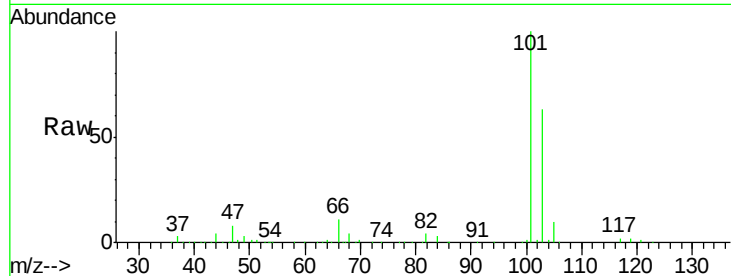


#7

Trichlorofluoromethane
 Concen: 20.53 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :

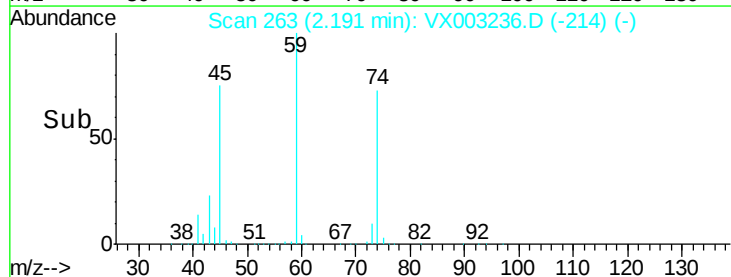
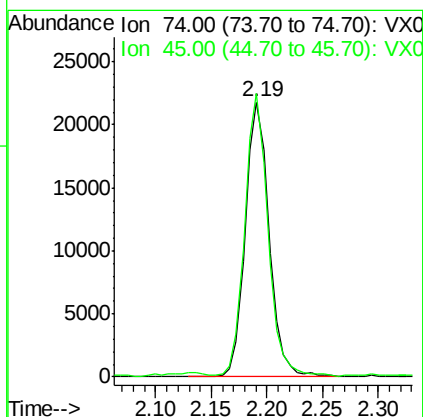
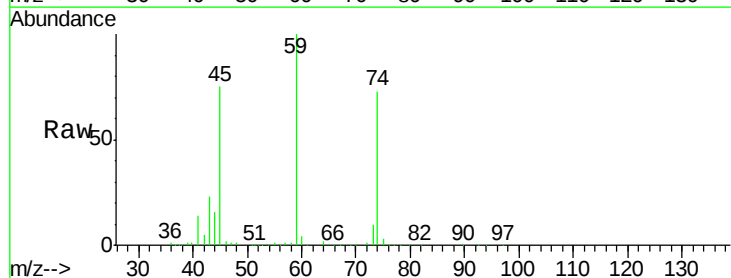
Tot Ion:101 Resp: 85592
 Ion Ratio Lower Upper
 101 100
 103 63.4 52.8 79.2



#8

Diethyl Ether
 Concen: 21.46 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Tgt Ion: 74 Resp: 32531
 Ion Ratio Lower Upper
 74 100
 45 99.6 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.71 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

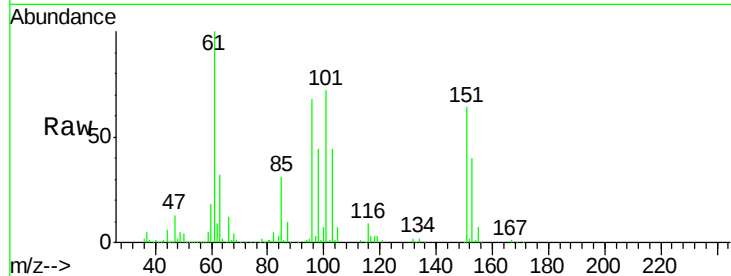
Tot Ion:101 Resp: 50037

Ion Ratio Lower Upper

101 100

85 43.9 36.0 54.0

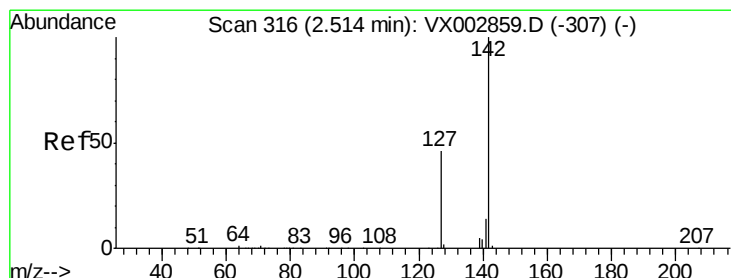
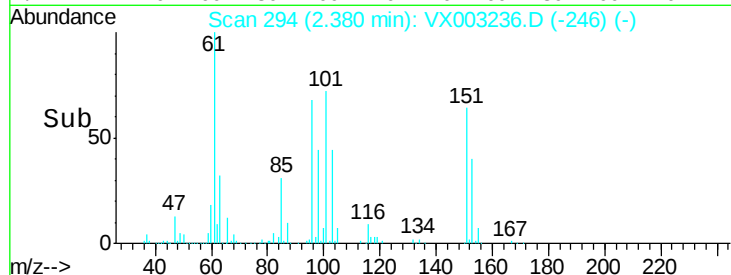
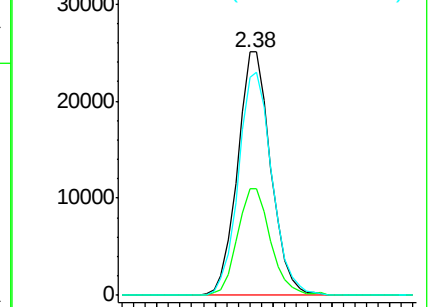
151 92.3 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.85 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

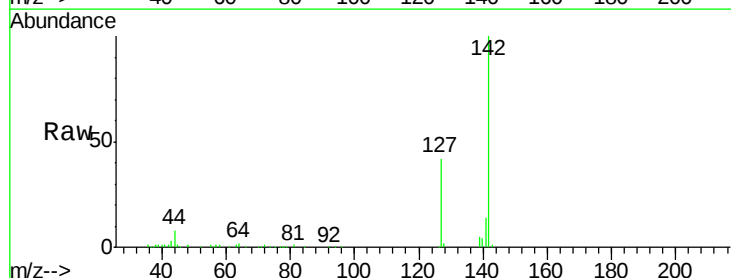
Tgt Ion:142 Resp: 40937

Ion Ratio Lower Upper

142 100

127 43.2 36.6 55.0

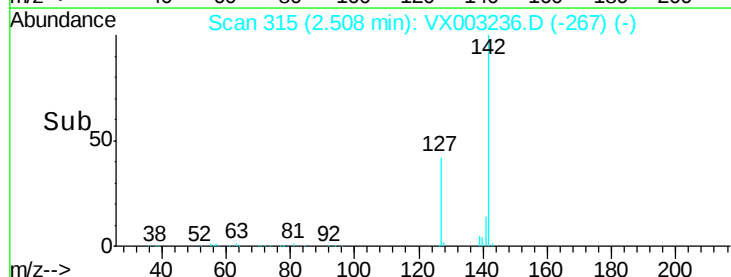
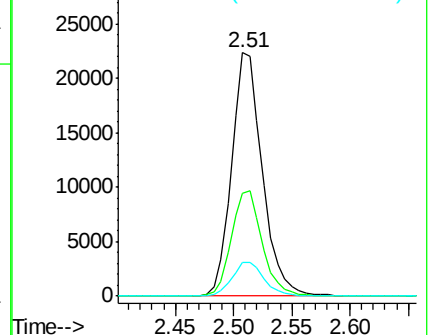
141 14.6 11.3 16.9

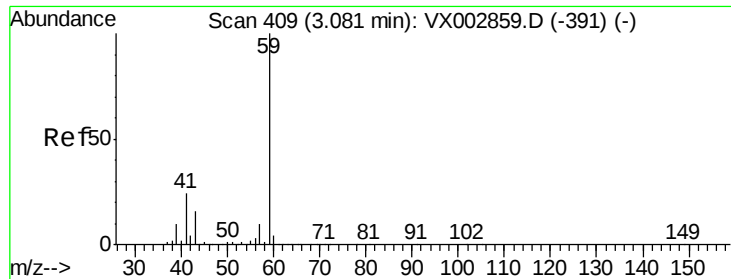


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



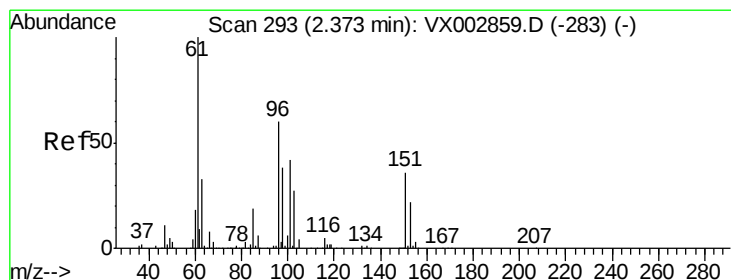
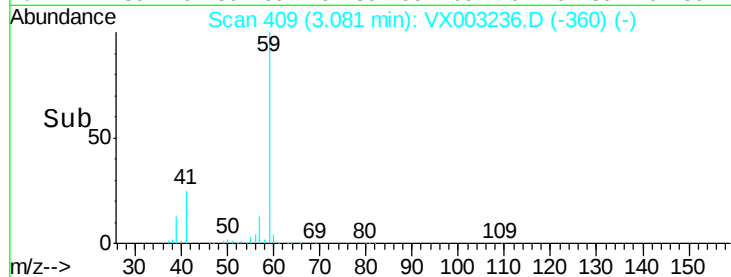
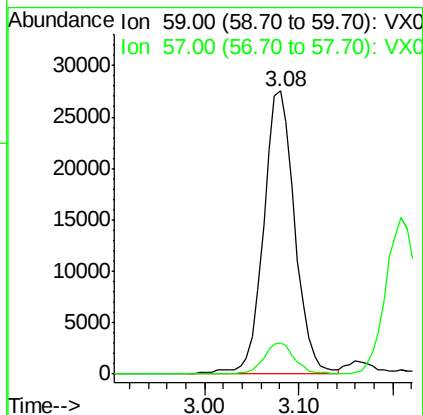
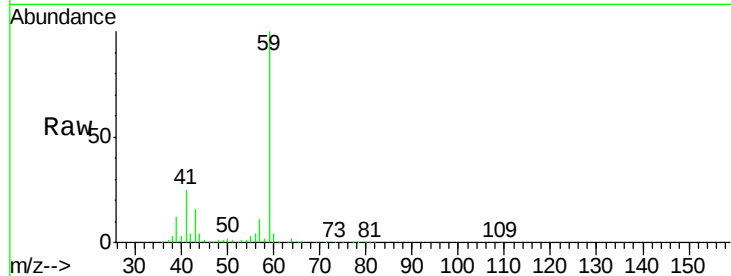


#11

Tert butyl alcohol
 Concen: 106.23 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :

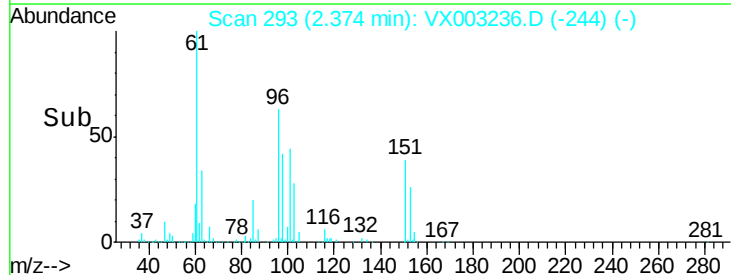
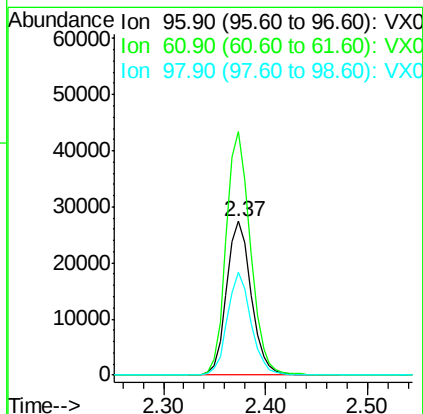
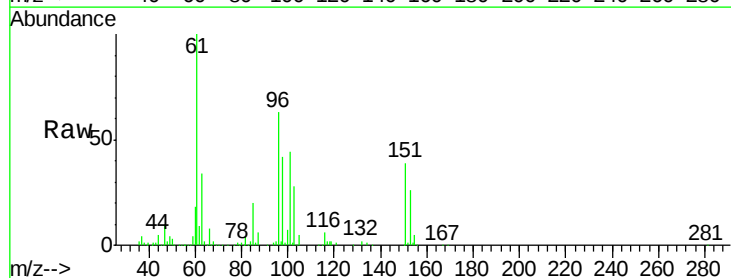
Tot Ion: 59 Resp: 63934
 Ion Ratio Lower Upper
 59 100
 57 11.2 8.2 12.2



#12

1,1-Dichloroethene
 Concen: 21.30 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Tgt Ion: 96 Resp: 45923
 Ion Ratio Lower Upper
 96 100
 61 158.4 137.9 206.9
 98 66.6 51.6 77.4





#13

Acrolein

Concen: 98.29 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

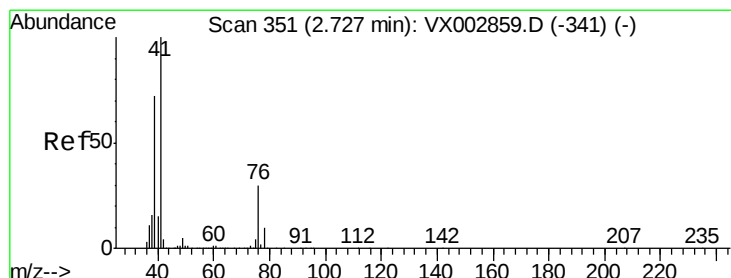
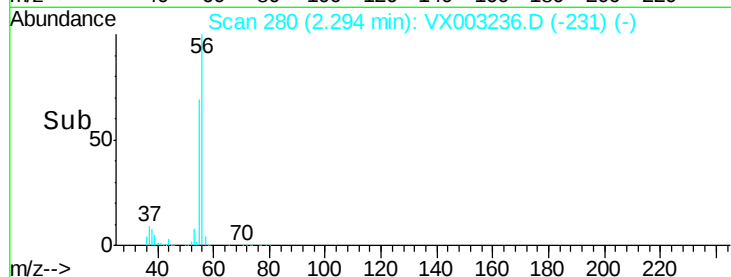
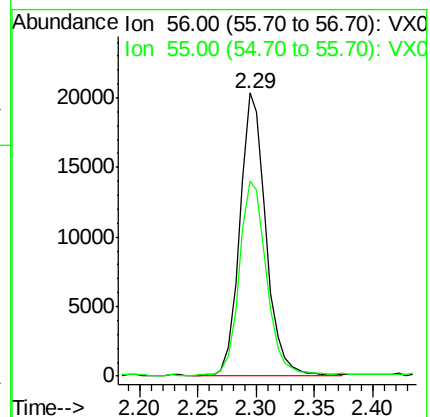
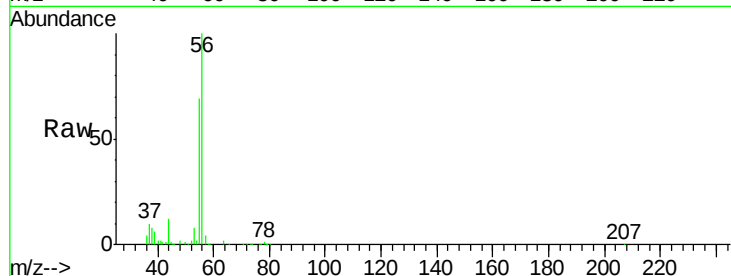
ClientSampleId :

Tot Ion: 56 Resp: 31923

Ion Ratio Lower Upper

56 100

55 71.7 57.0 85.4



#14

Allyl chloride

Concen: 19.86 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

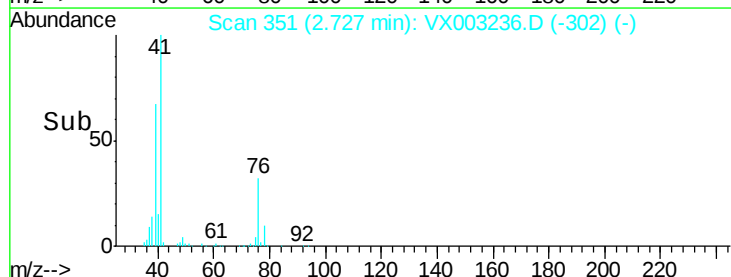
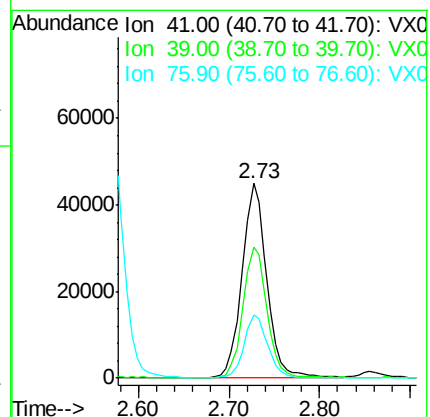
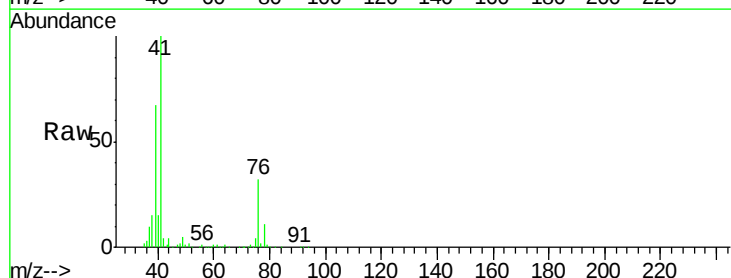
Tgt Ion: 41 Resp: 84383

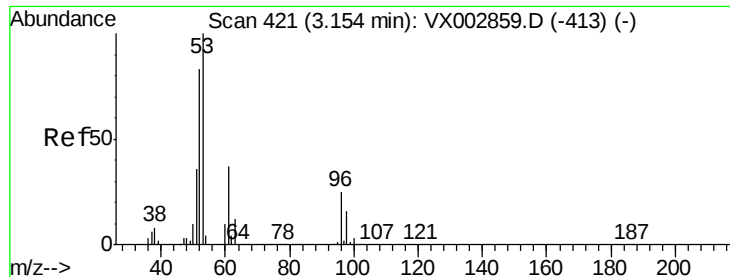
Ion Ratio Lower Upper

41 100

39 65.7 56.8 85.2

76 31.5 23.8 35.8





#15

Acrylonitrile

Concen: 110.86 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

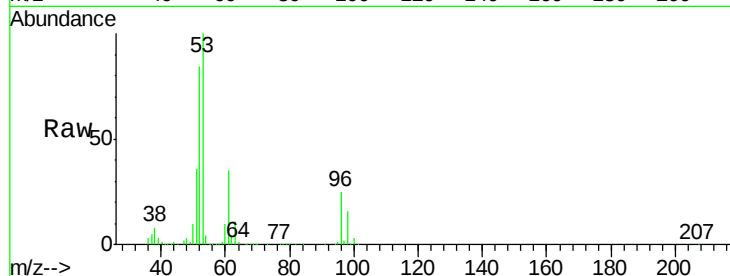
Tot Ion: 53 Resp: 142514

Ion Ratio Lower Upper

53 100

52 84.1 66.7 100.1

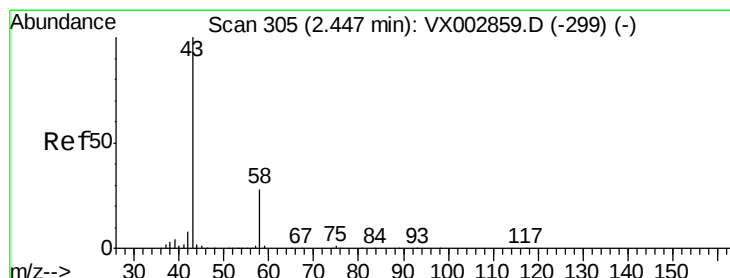
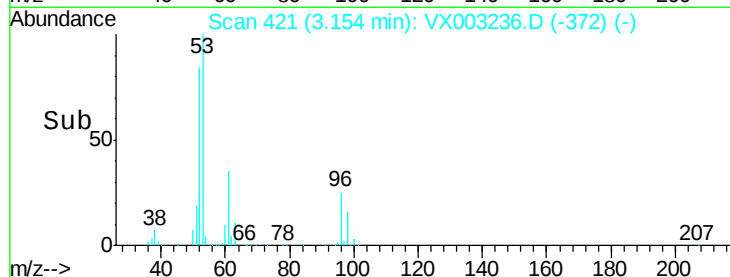
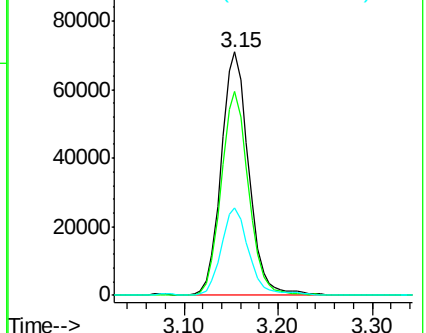
51 36.3 29.9 44.9



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: 103.56 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003236.D

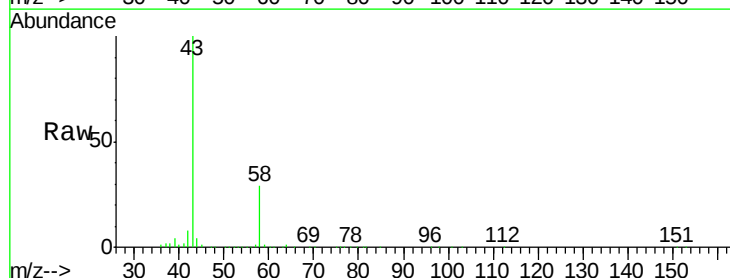
Acq: 07 Jul 2018 02:00

Tgt Ion: 43 Resp: 129565

Ion Ratio Lower Upper

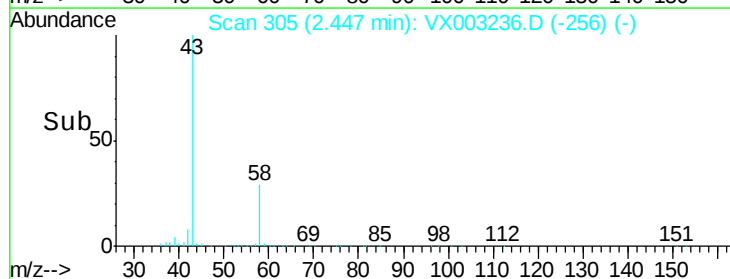
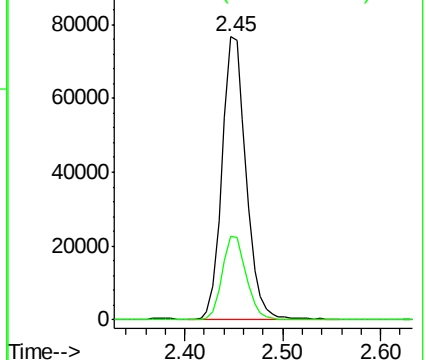
43 100

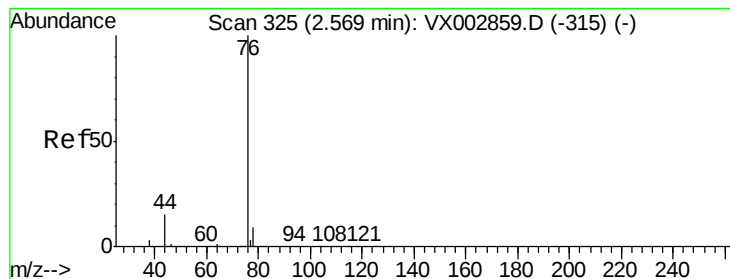
58 29.4 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 19.24 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

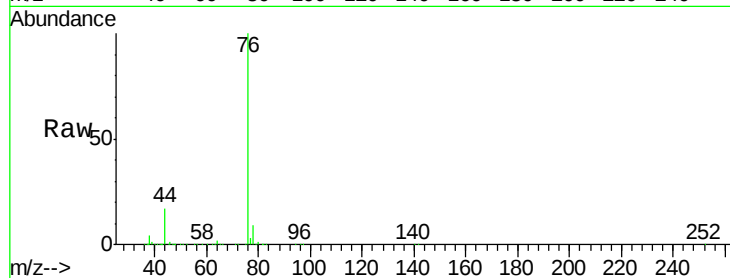
ClientSampleId :

Tot Ion: 76 Resp: 110531

Ion Ratio Lower Upper

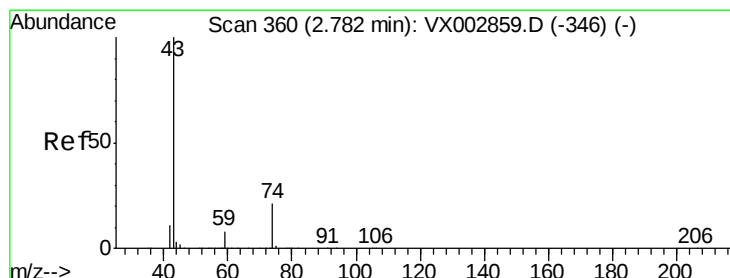
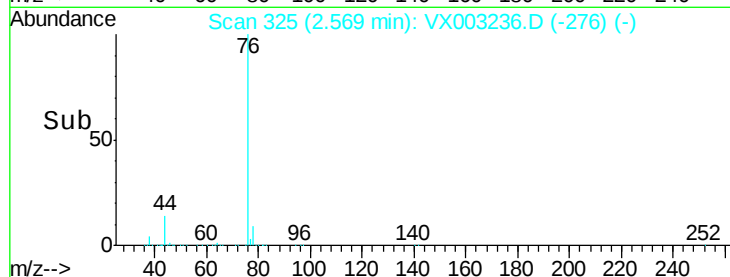
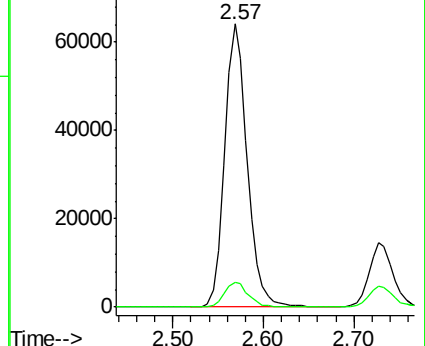
76 100

78 8.6 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.02 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003236.D

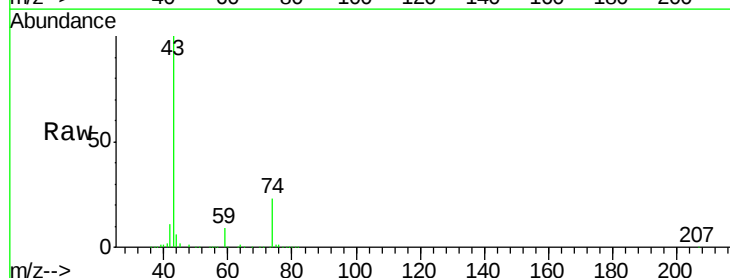
Acq: 07 Jul 2018 02:00

Tgt Ion: 43 Resp: 73514

Ion Ratio Lower Upper

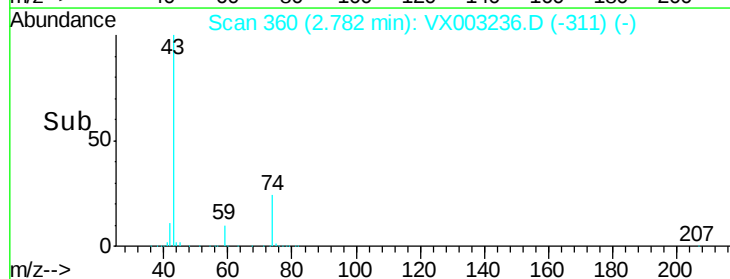
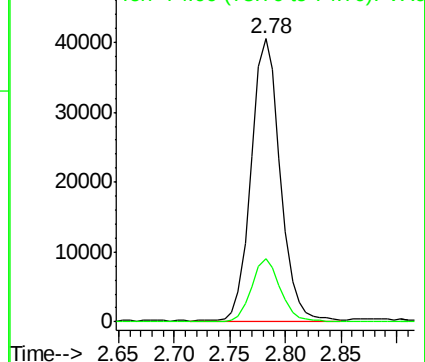
43 100

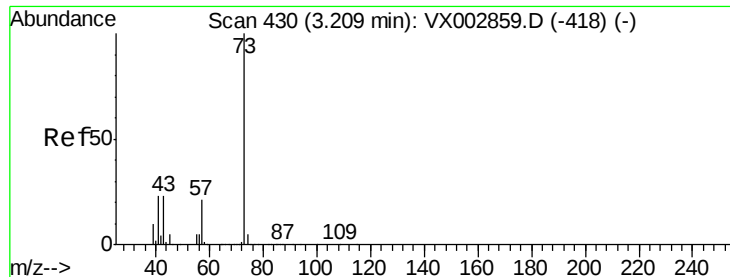
74 22.4 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



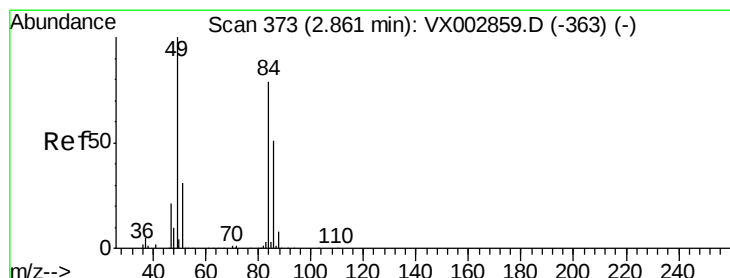
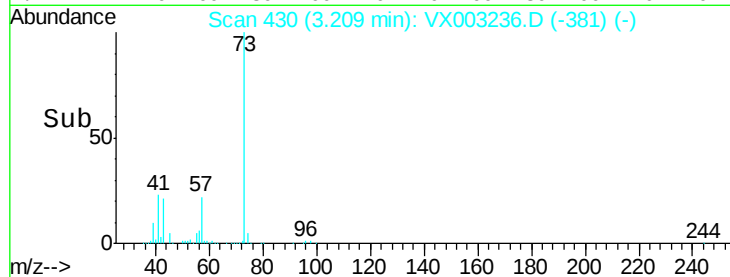
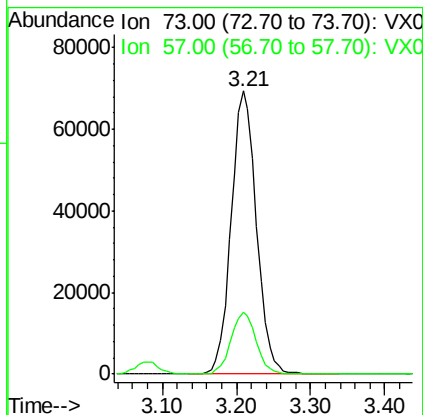
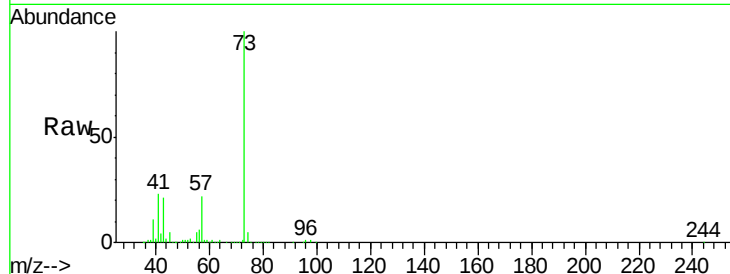


#19

Methyl tert-butyl Ether
 Concen: 21.24 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Instrument :
 MSVOA_X
 ClientSampleId :

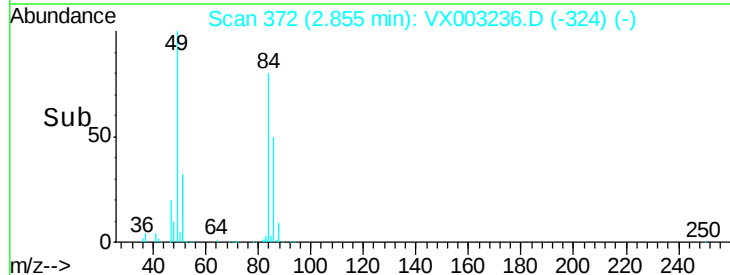
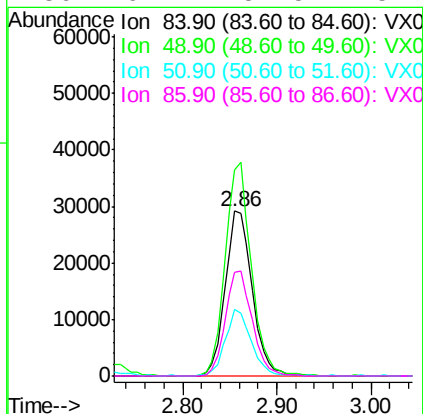
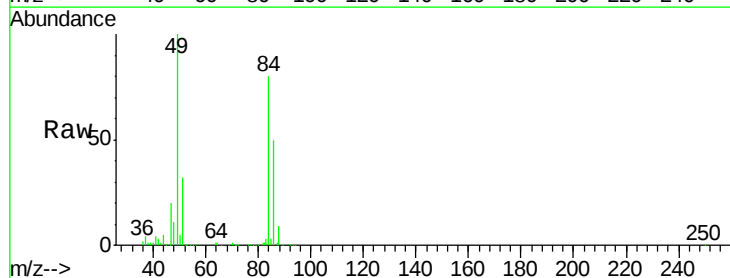
Tot Ion: 73 Resp: 164632
 Ion Ratio Lower Upper
 73 100
 57 21.9 17.7 26.5

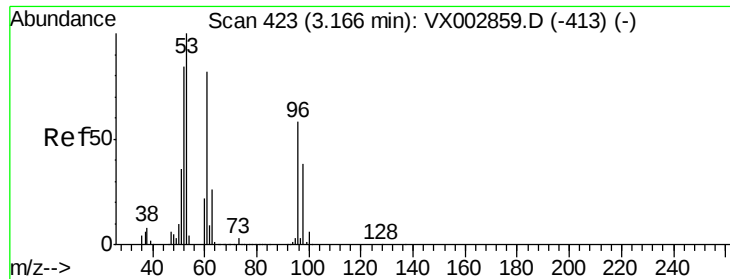


#20

Methylene Chloride
 Concen: 23.81 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. -0.01 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Tgt Ion: 84 Resp: 57972
 Ion Ratio Lower Upper
 84 100
 49 125.2 107.8 161.6
 51 40.1 32.8 49.2
 86 62.7 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 20.92 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampled :

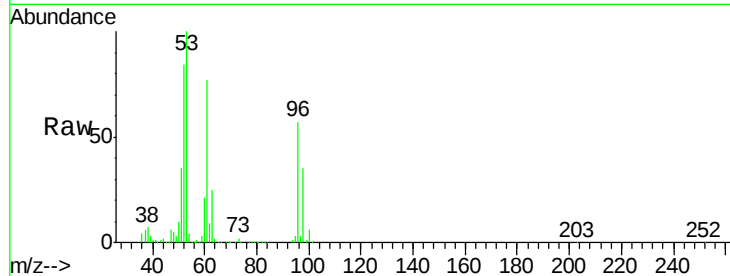
Tot Ion: 96 Resp: 49127

Ion Ratio Lower Upper

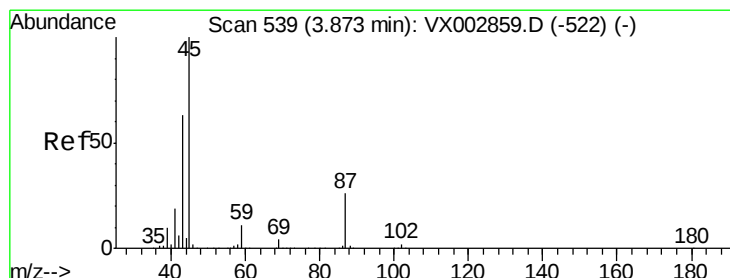
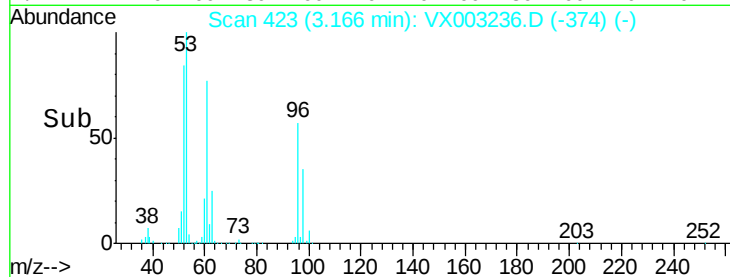
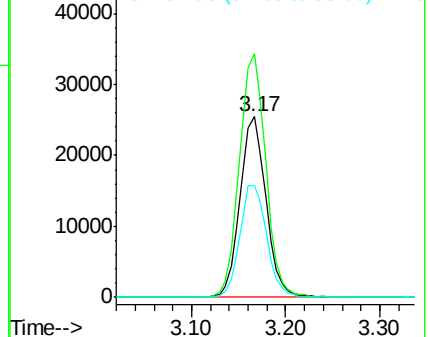
96 100

61 135.1 117.0 175.4

98 61.9 52.4 78.6



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: 21.46 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Tgt Ion: 45 Resp: 174325

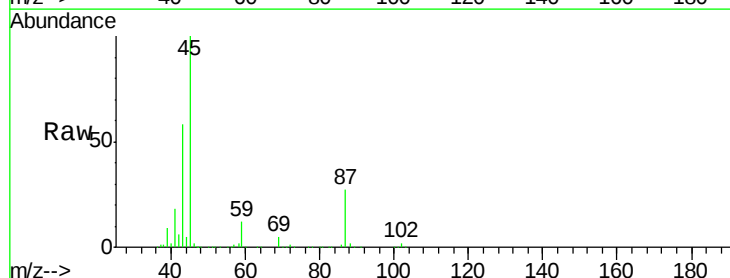
Ion Ratio Lower Upper

45 100

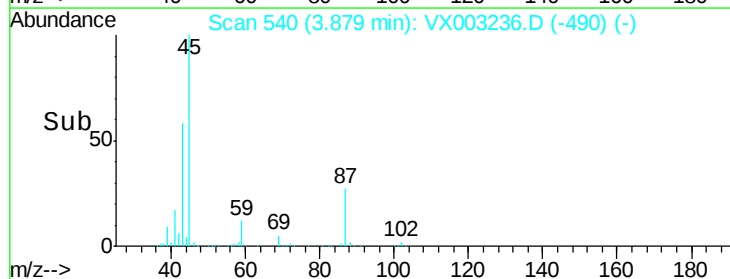
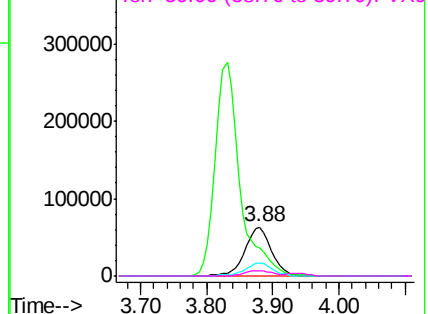
43 58.1 46.8 70.2

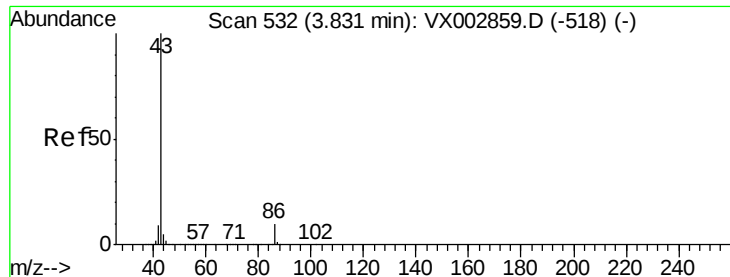
87 26.7 20.2 30.4

59 11.7 8.7 13.1



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 104.64 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

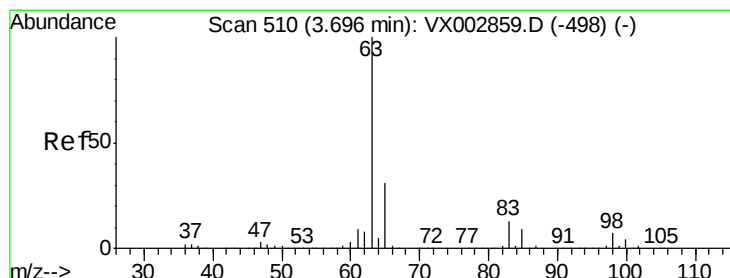
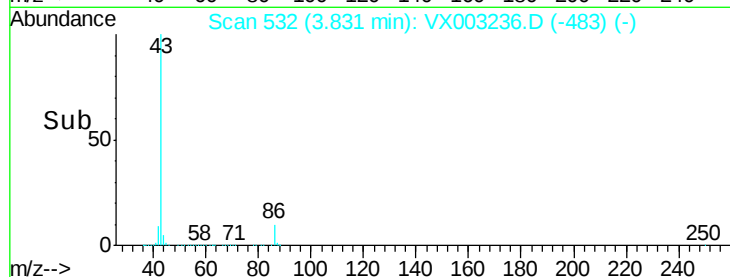
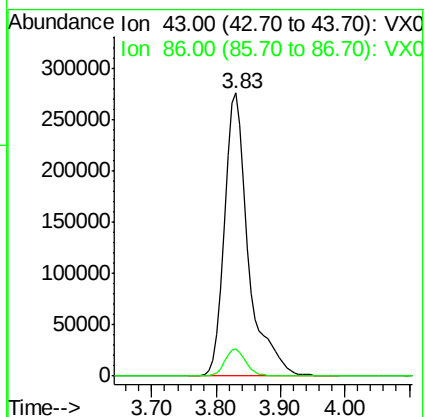
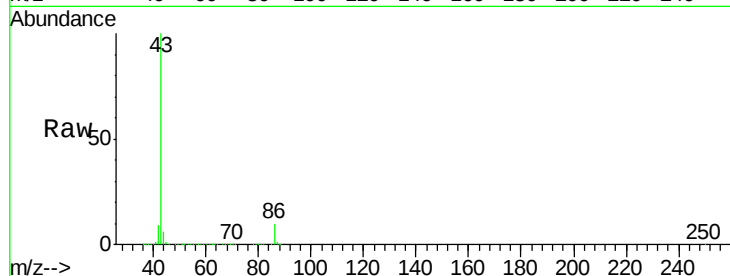
ClientSampleId :

Tot Ion: 43 Resp: 719692

Ion Ratio Lower Upper

43 100

86 9.6 7.4 11.0



#24

1,1-Dichloroethane

Concen: 21.25 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

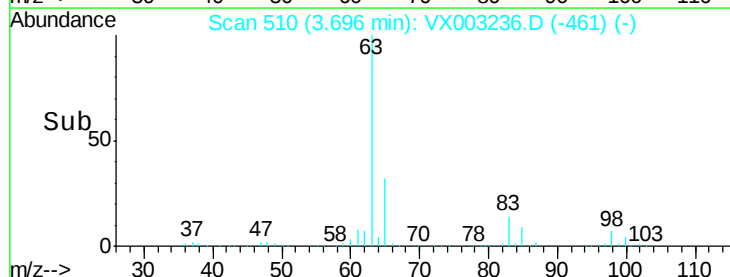
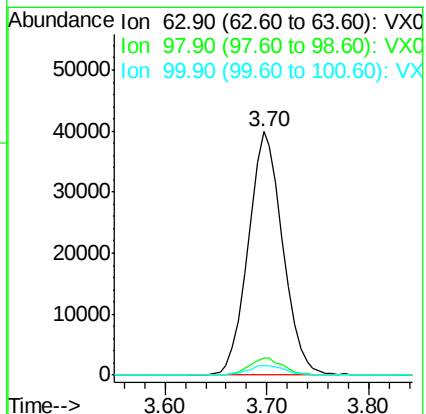
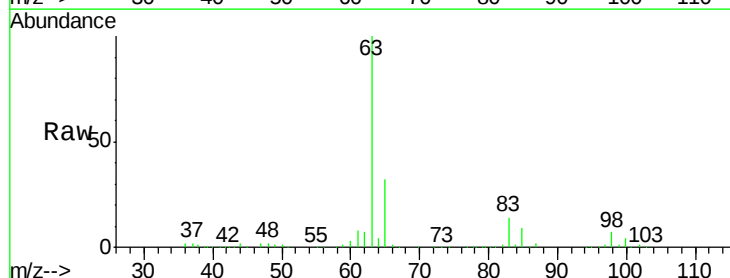
Tgt Ion: 63 Resp: 93804

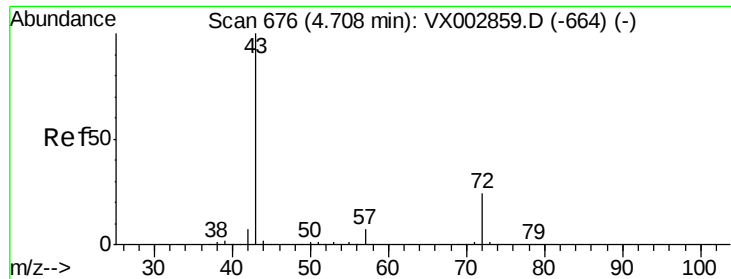
Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 116.24 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

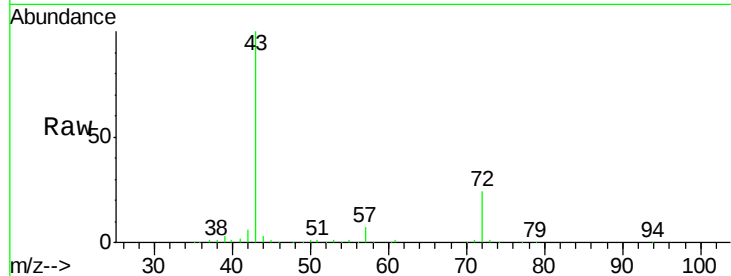
ClientSampled :

Tot Ion: 43 Resp: 215831

Ion Ratio Lower Upper

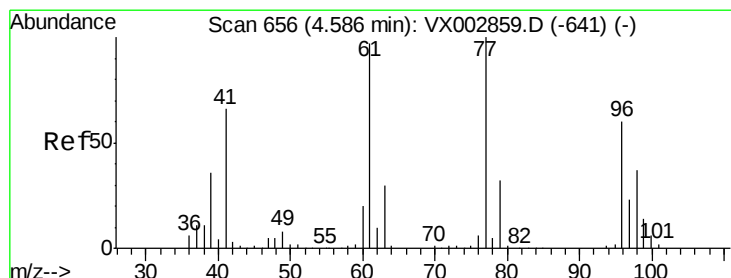
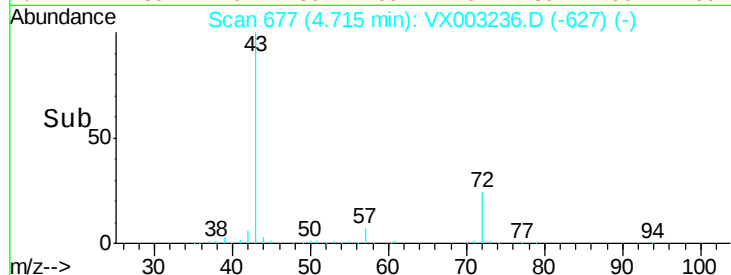
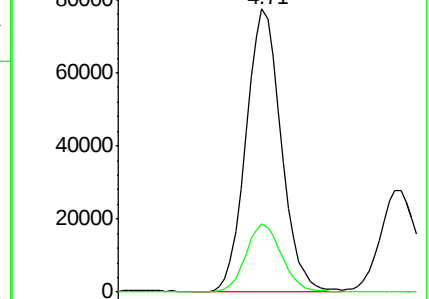
43 100

72 24.0 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 15.36 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003236.D

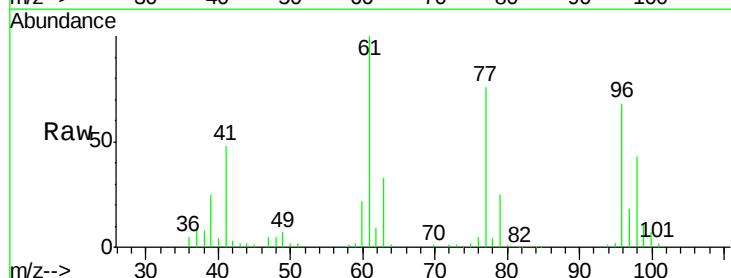
Acq: 07 Jul 2018 02:00

Tgt Ion: 77 Resp: 55123

Ion Ratio Lower Upper

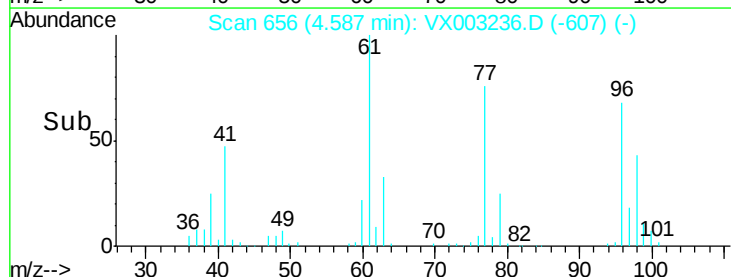
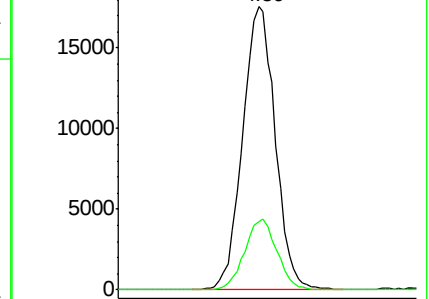
77 100

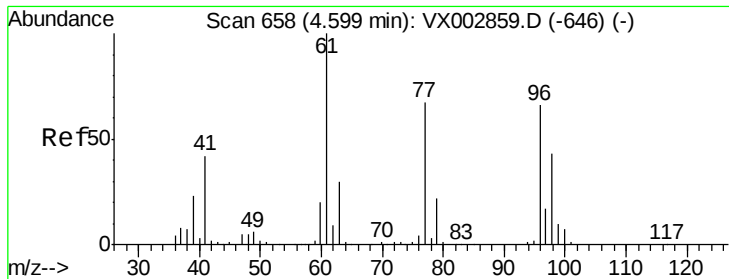
97 24.8 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



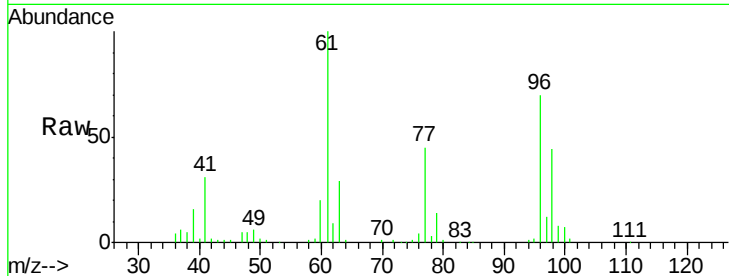


#27

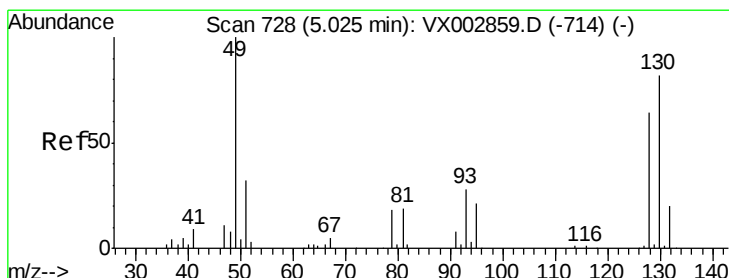
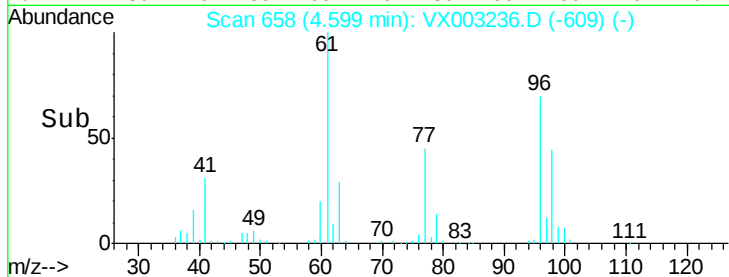
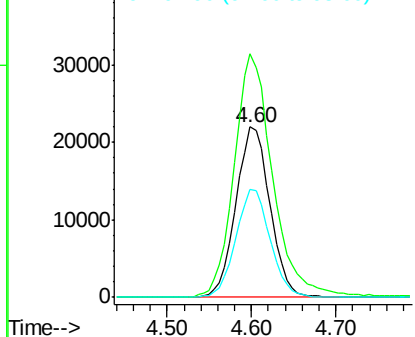
cis-1,2-Dichloroethene
Concen: 22.79 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 96 Resp: 60001
Ion Ratio Lower Upper
96 100
61 164.0 0.0 330.2
98 64.1 0.0 130.2



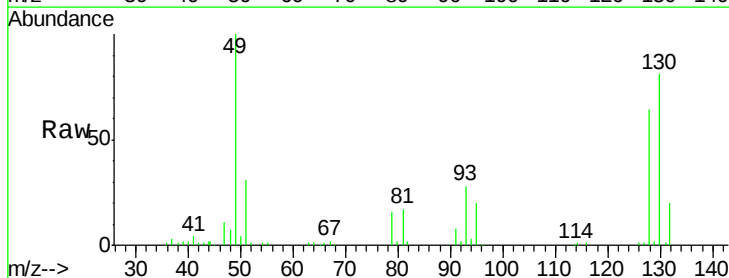
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



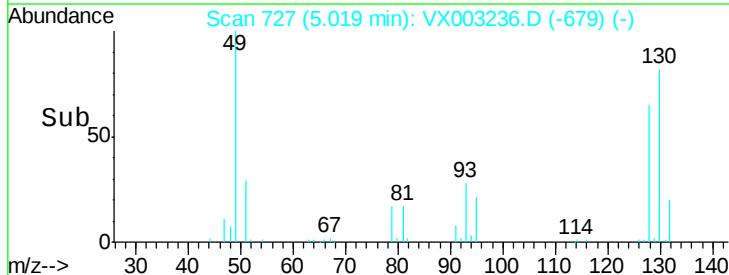
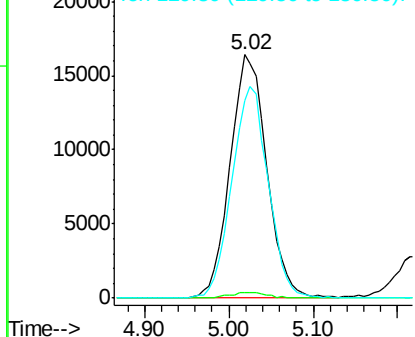
#28

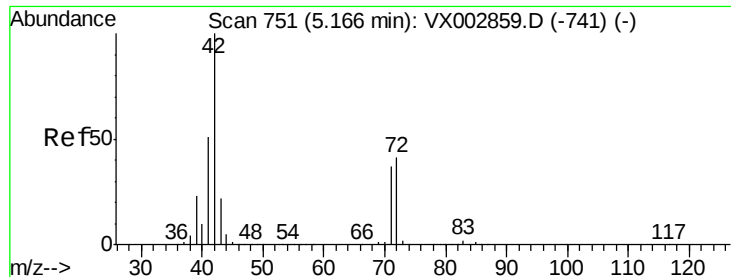
Bromochloromethane
Concen: 22.93 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion: 49 Resp: 48460
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.2
130 85.6 61.2 91.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

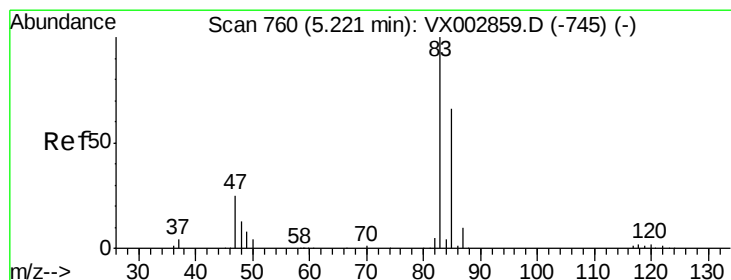
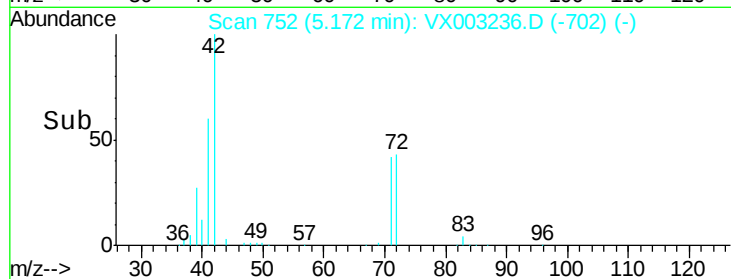
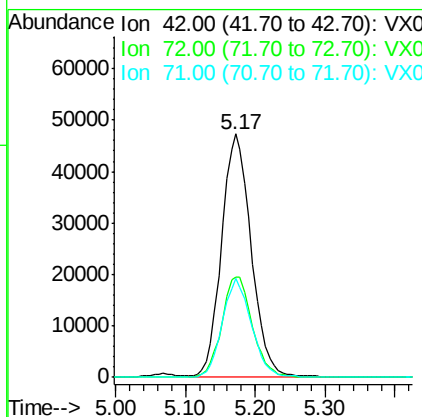
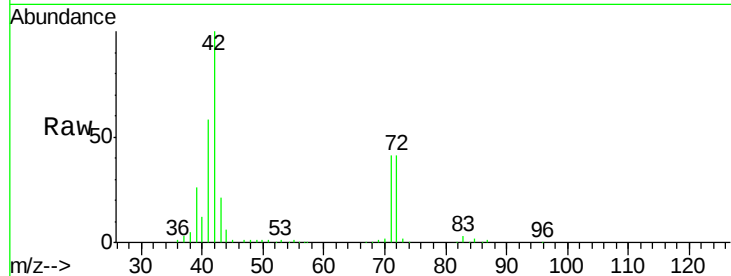




#29
Tetrahydrofuran
Concen: 116.36 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

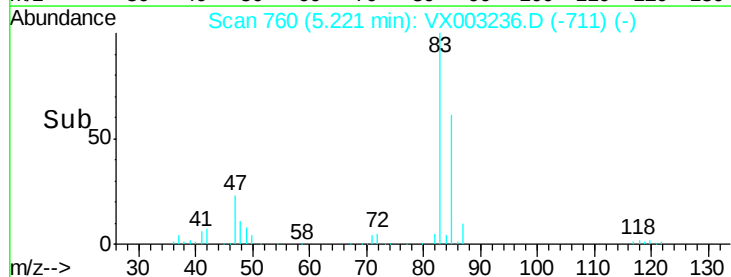
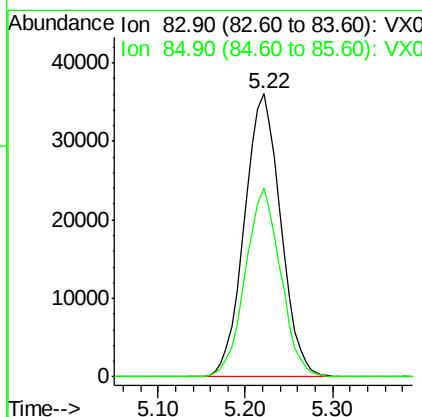
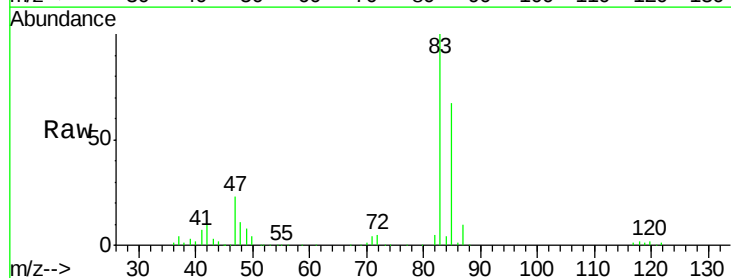
Instrument :
MSVOA_X
ClientSampled :

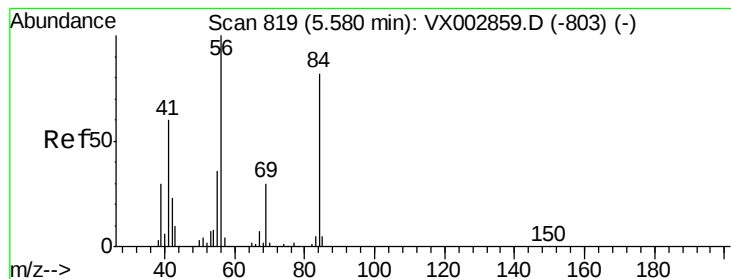
Tot Ion: 42 Resp: 138550
Ion Ratio Lower Upper
42 100
72 42.7 32.0 48.0
71 40.0 30.1 45.1



#30
Chloroform
Concen: 23.04 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion: 83 Resp: 104400
Ion Ratio Lower Upper
83 100
85 66.8 50.4 75.6





#31

Cyclohexane

Concen: 21.42 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :

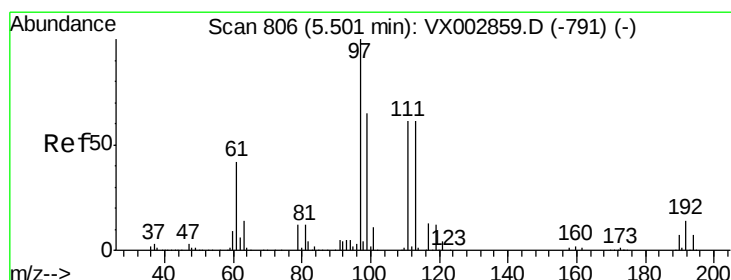
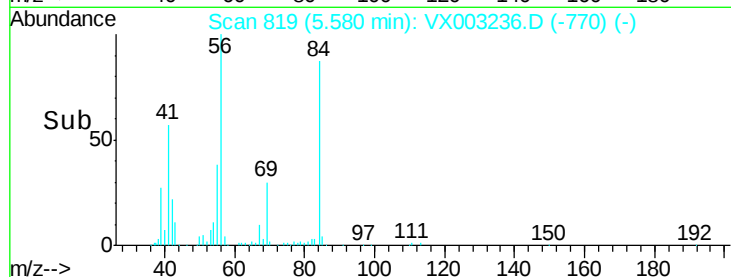
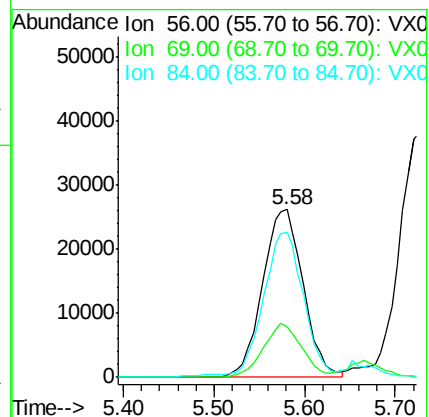
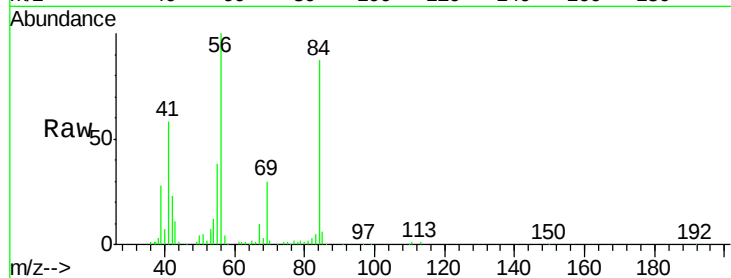
Tot Ion: 56 Resp: 81139

Ion Ratio Lower Upper

56 100

69 30.0 23.7 35.5

84 85.3 64.1 96.1



#32

1,1,1-Trichloroethane

Concen: 22.41 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

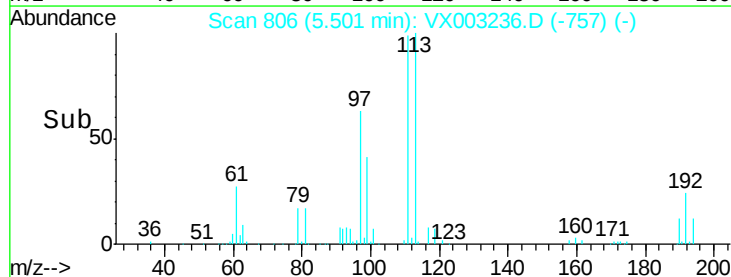
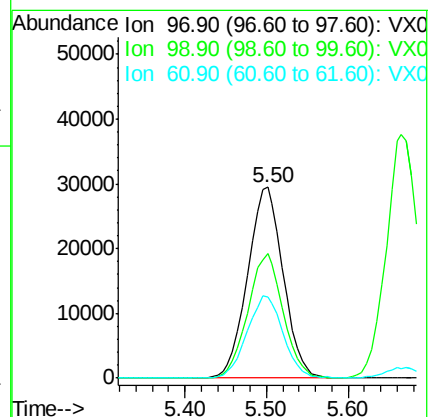
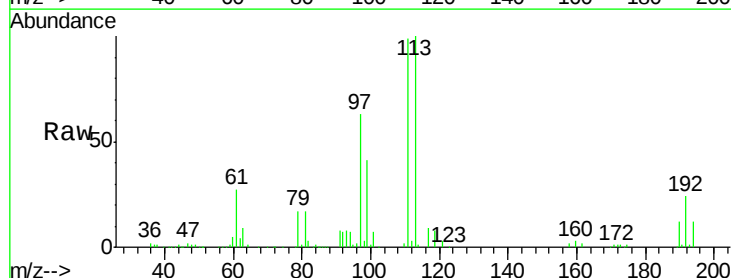
Tgt Ion: 97 Resp: 89341

Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

61 43.7 36.4 54.6

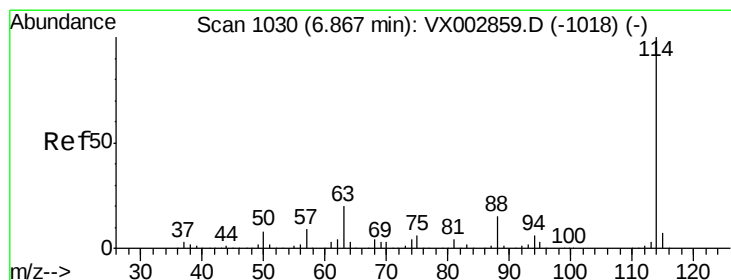
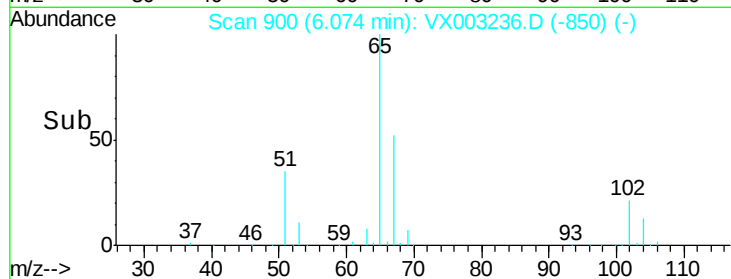
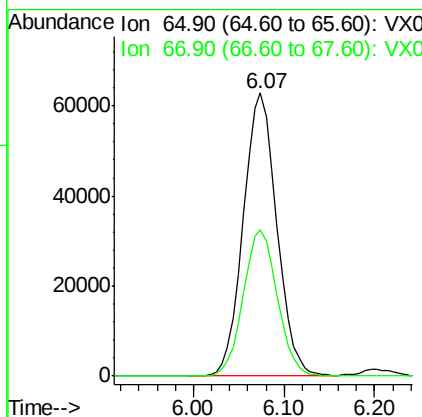
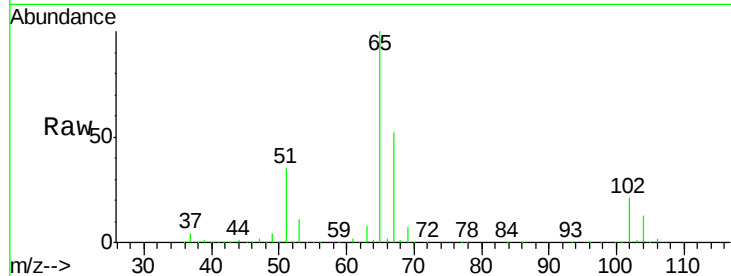




#33
 1,2-Dichloroethane-d4
 Concen: 53.37 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

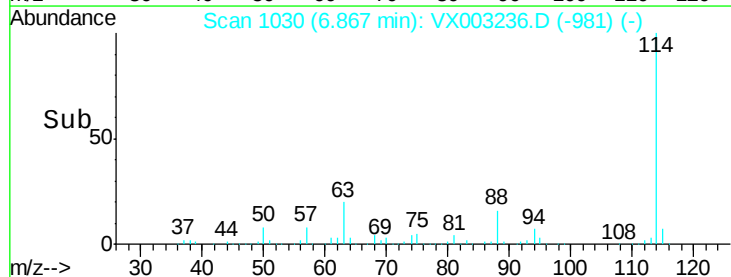
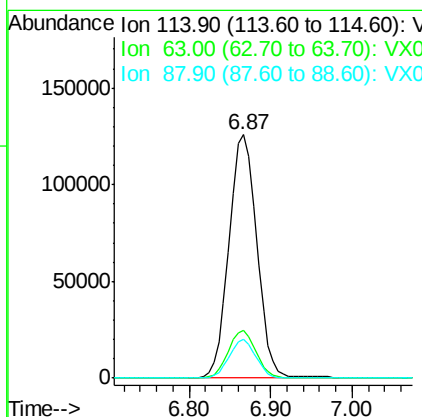
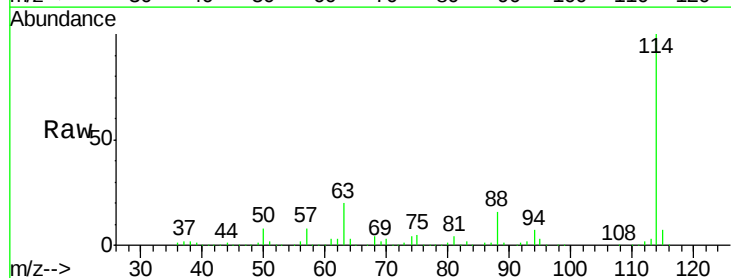
Instrument :
 MSVOA_X
 ClientSampleId :

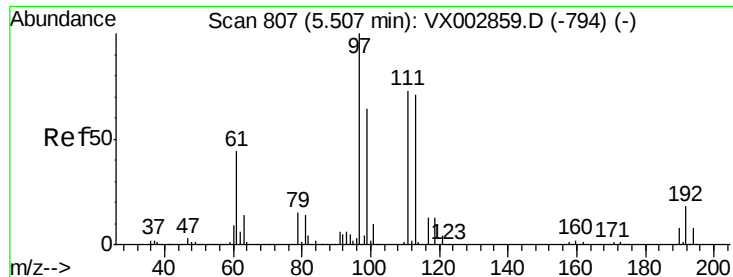
Tot Ion: 65 Resp: 161240
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Tgt Ion: 114 Resp: 297631
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.4
 88 16.0 0.0 30.0





#35

Dibromofluoromethane

Concen: 58.81 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :

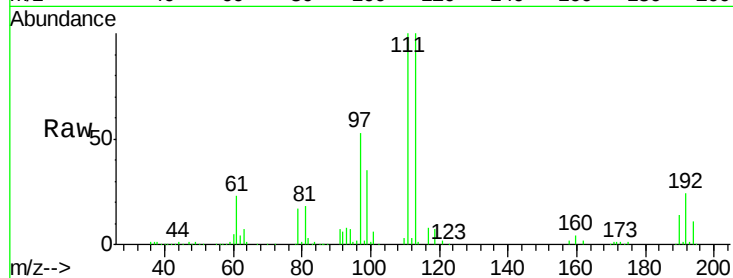
Tot Ion:113 Resp: 138612

Ion Ratio Lower Upper

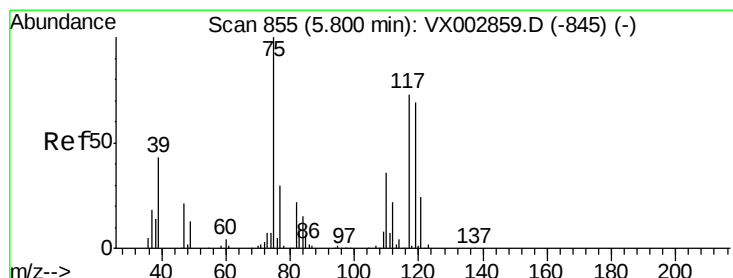
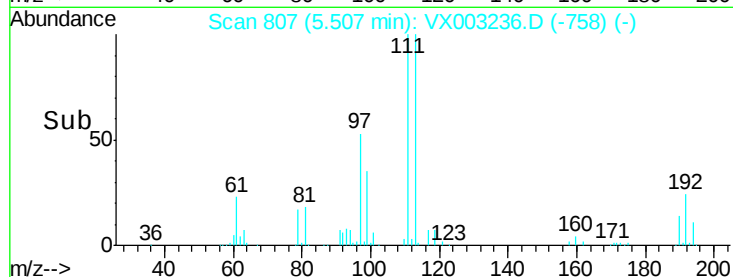
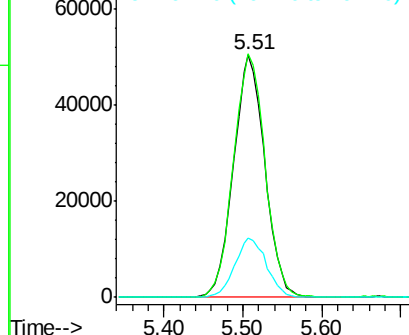
113 100

111 102.0 81.4 122.0

192 24.9 19.1 28.7



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: 21.62 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

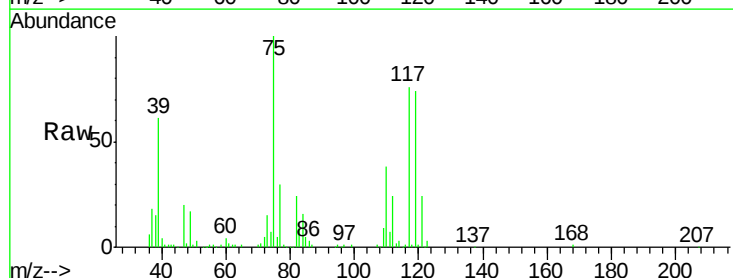
Tgt Ion: 75 Resp: 70576

Ion Ratio Lower Upper

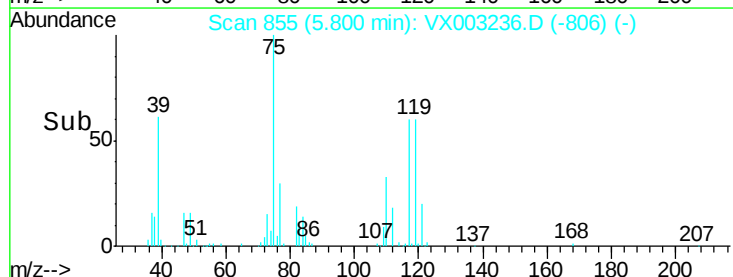
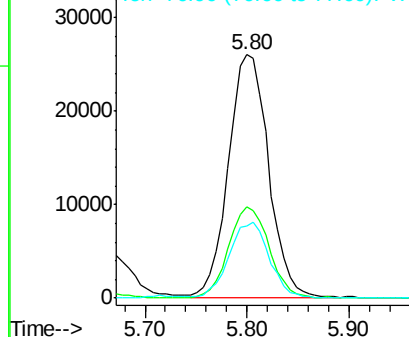
75 100

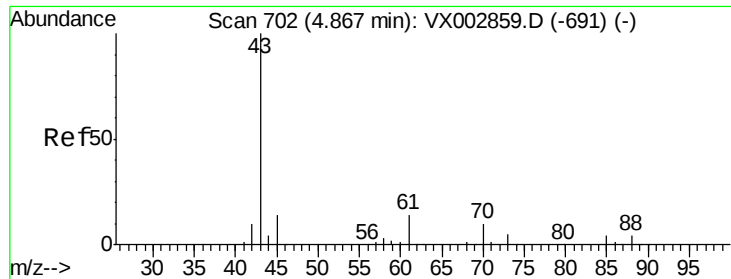
110 38.1 18.1 54.4

77 30.5 24.3 36.5



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: 23.51 ug/l

RT: 4.87 min Scan# 703

Delta R.T. 0.01 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampled :

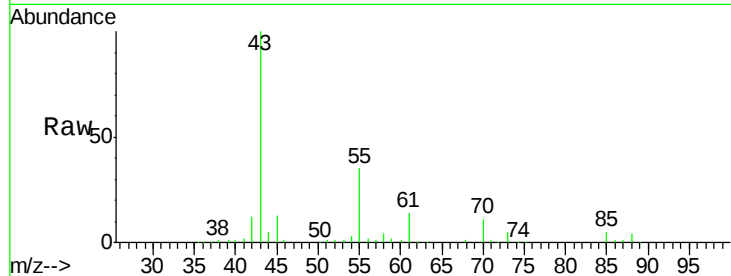
Tot Ion: 43 Resp: 82637

Ion Ratio Lower Upper

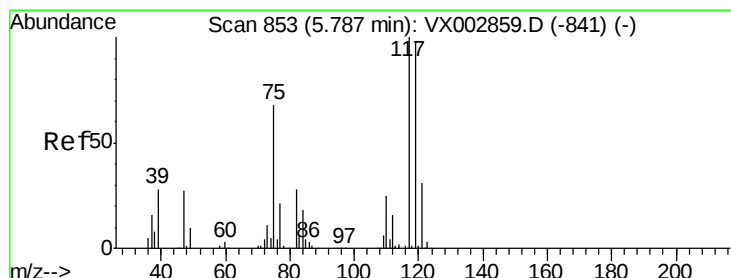
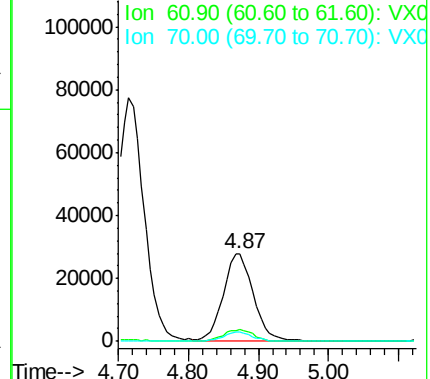
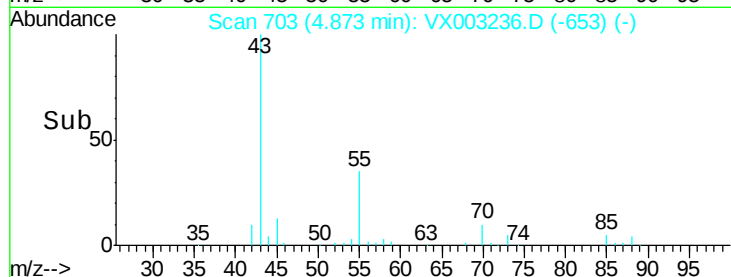
43 100

61 13.3 10.4 15.6

70 10.5 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VX003236.D (-653) (-)



#38

Carbon Tetrachloride

Concen: 22.40 ug/l

RT: 5.79 min Scan# 853

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

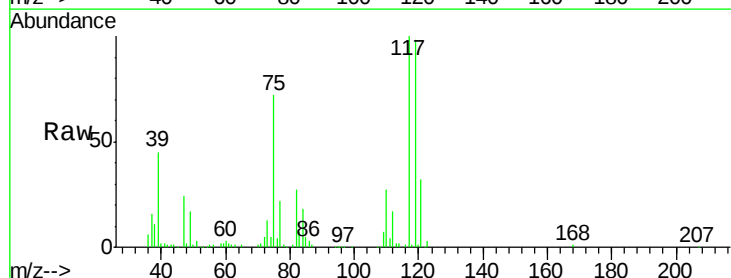
Tgt Ion: 117 Resp: 80219

Ion Ratio Lower Upper

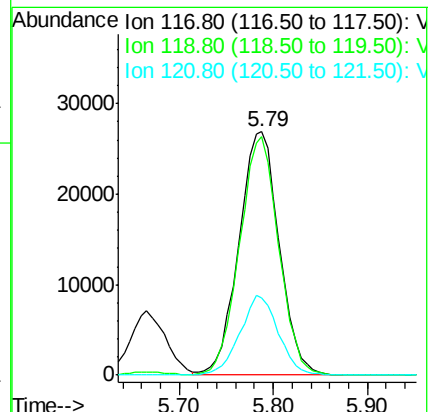
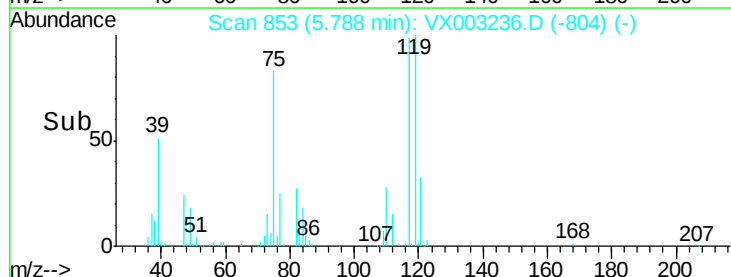
117 100

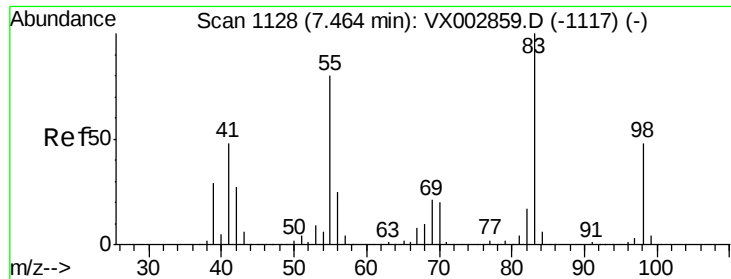
119 98.2 77.4 116.0

121 31.9 24.4 36.6



Abundance Ion 116.80 (116.50 to 117.50): VX003236.D (-804) (-)

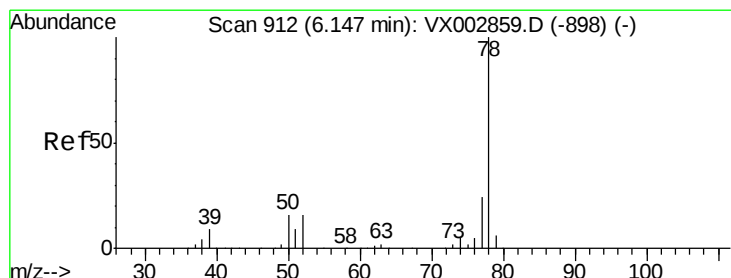
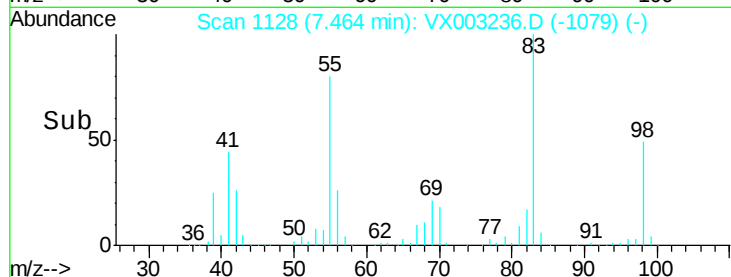
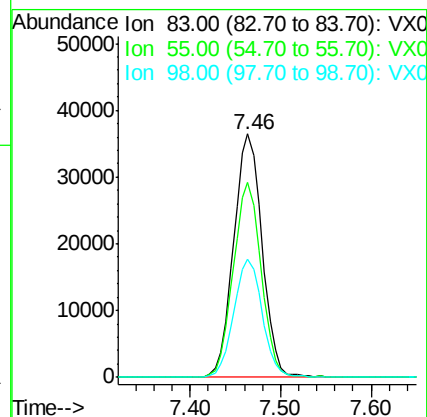
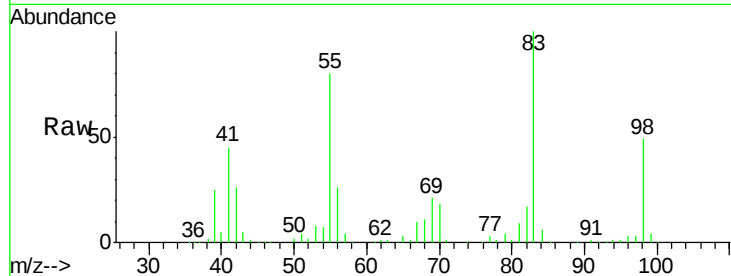




#39
Methvlcvclohexane
Concen: 20.87 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

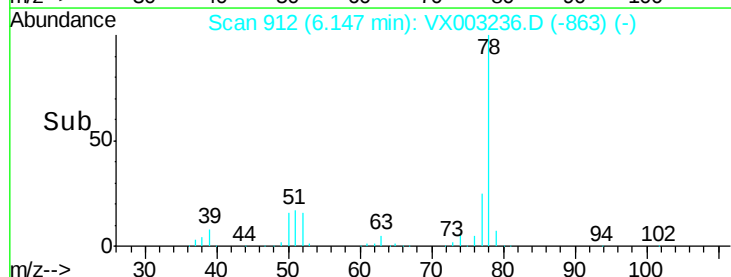
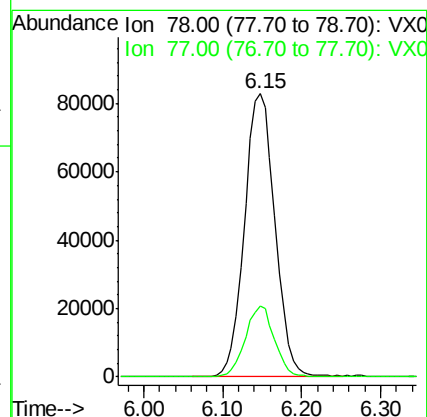
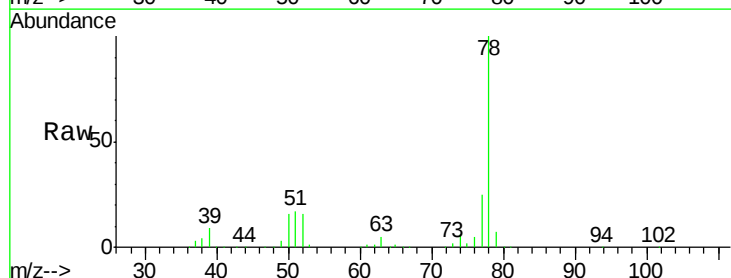
Instrument :
MSVOA_X
ClientSampled :

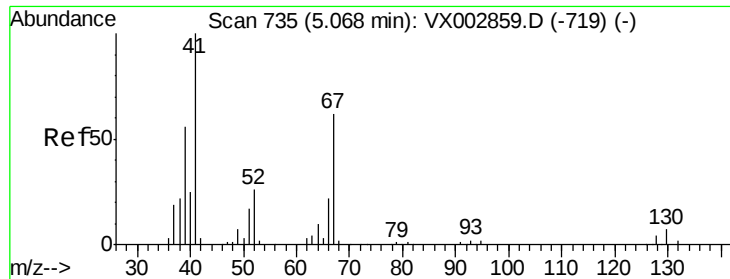
Tot Ion: 83 Resp: 79336
Ion Ratio Lower Upper
83 100
55 80.1 65.4 98.0
98 48.8 37.4 56.0



#40
Benzene
Concen: 23.52 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion: 78 Resp: 223040
Ion Ratio Lower Upper
78 100
77 25.2 19.1 28.7





#41

Methacrylonitrile

Concen: 23.09 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.01 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 41 Resp: 46727

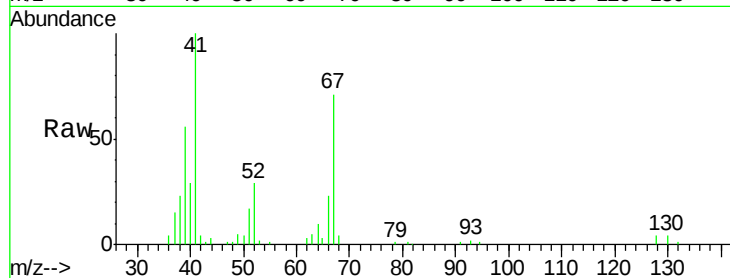
Ion Ratio Lower Upper

41 100

39 54.6 45.8 68.6

67 68.0 51.3 76.9

52 29.6 23.0 34.6

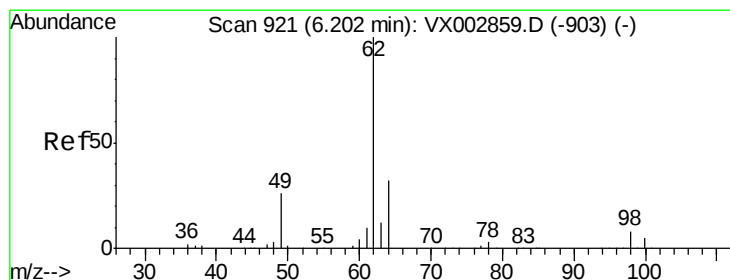
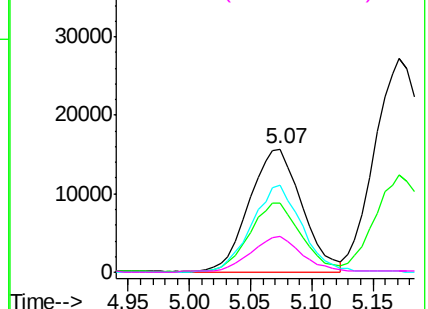
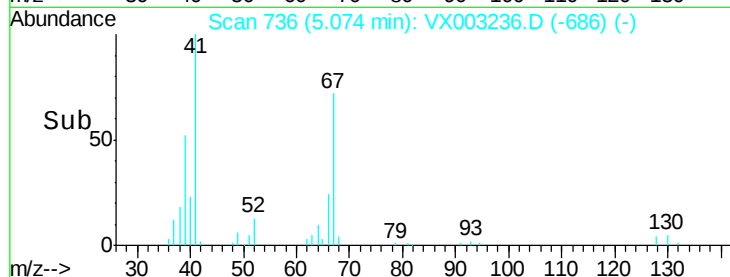


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 21.95 ug/l

RT: 6.20 min Scan# 921

Delta R.T. 0.00 min

Lab File: VX003236.D

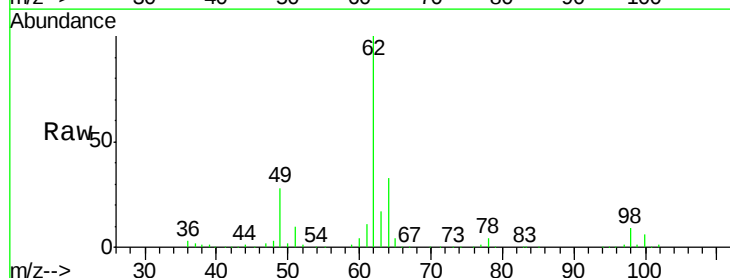
Acq: 07 Jul 2018 02:00

Tgt Ion: 62 Resp: 84093

Ion Ratio Lower Upper

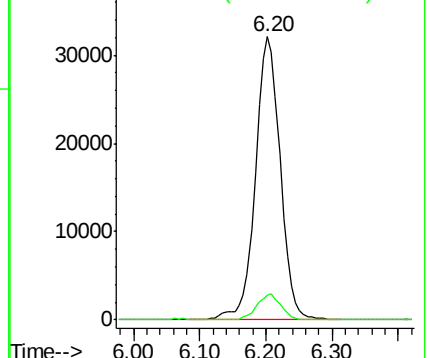
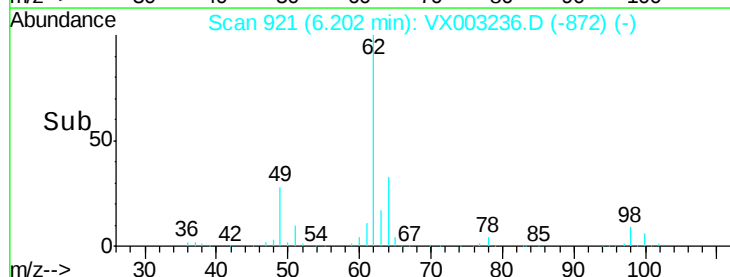
62 100

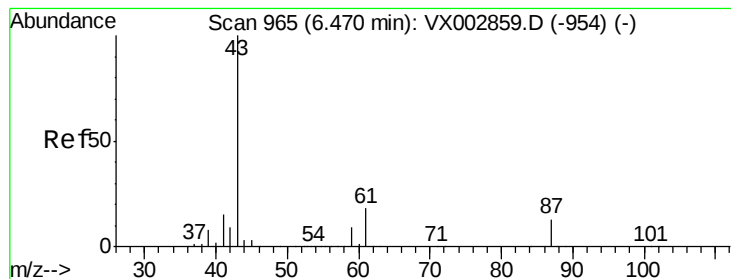
98 9.0 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 21.92 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

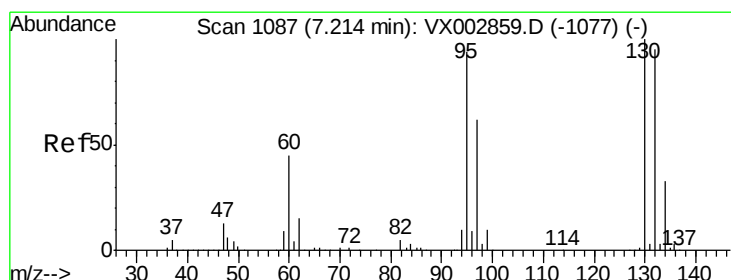
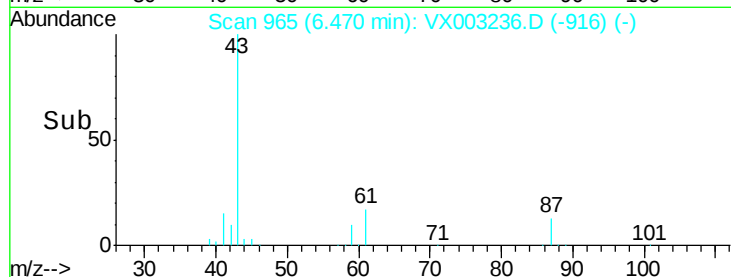
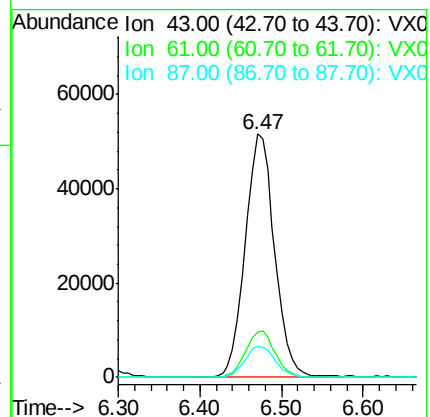
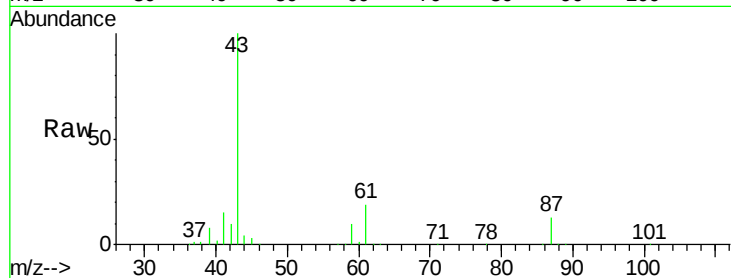
Tot Ion: 43 Resp: 129211

Ion Ratio Lower Upper

43 100

61 19.4 14.4 21.6

87 13.2 9.5 14.3



#44

Trichloroethene

Concen: 23.03 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003236.D

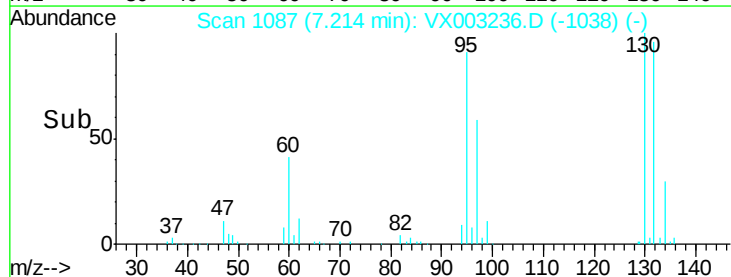
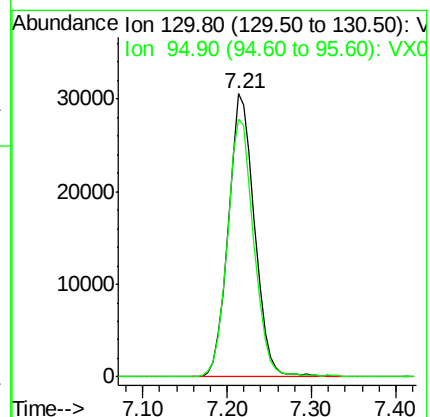
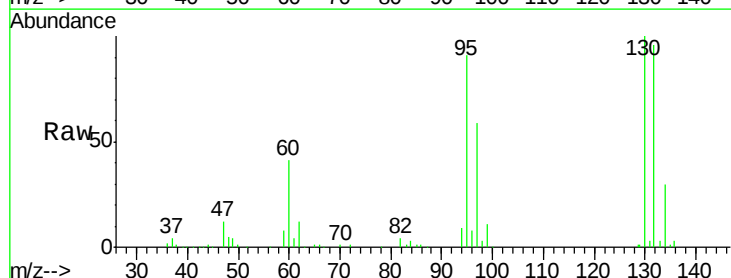
Acq: 07 Jul 2018 02:00

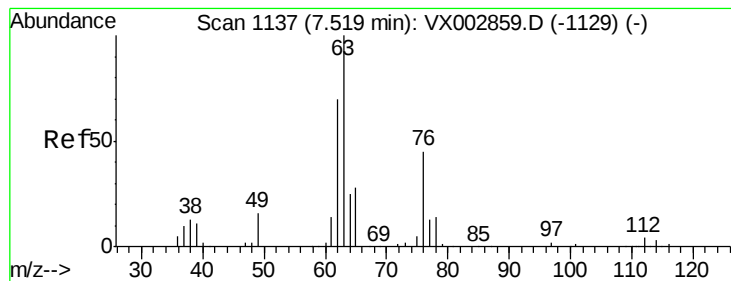
Tgt Ion:130 Resp: 65111

Ion Ratio Lower Upper

130 100

95 91.2 0.0 185.4





#45

1,2-Dichloropropane

Concen: 22.88 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

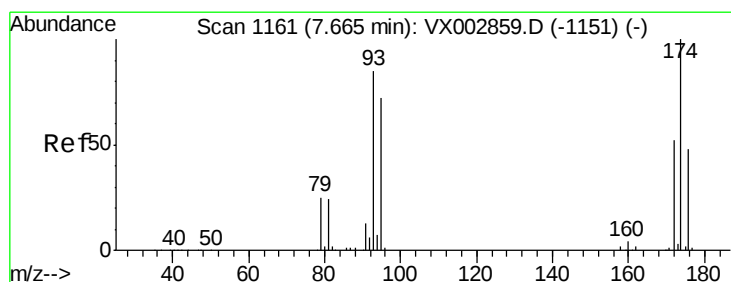
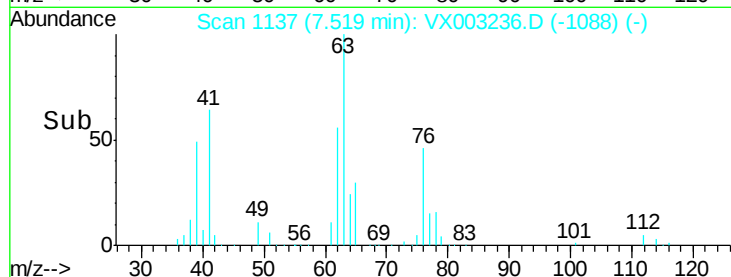
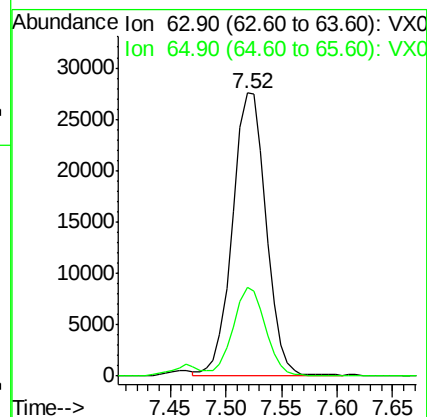
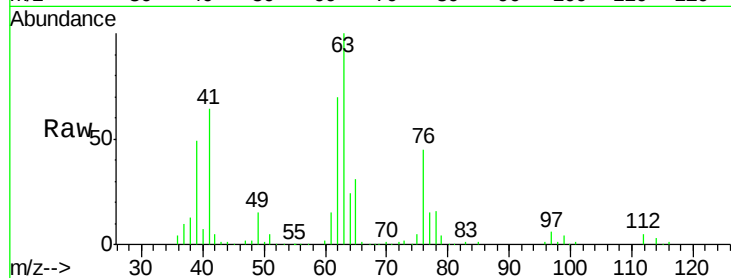
ClientSampleId :

Tot Ion: 63 Resp: 57568

Ion Ratio Lower Upper

63 100

65 31.3 24.7 37.1



#46

Dibromomethane

Concen: 22.81 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

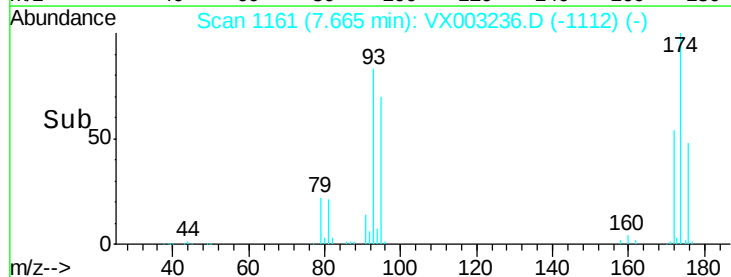
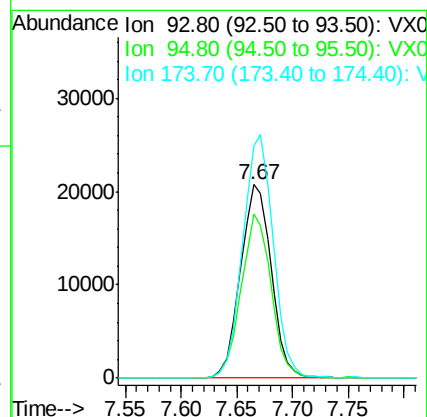
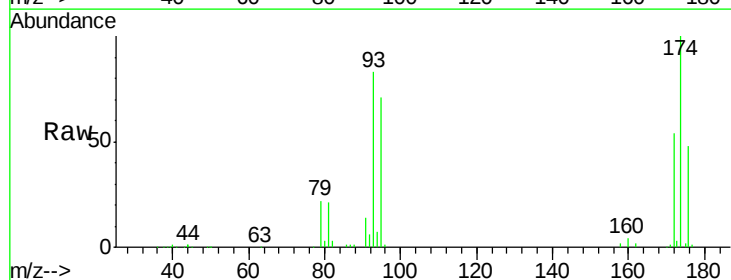
Tgt Ion: 93 Resp: 39830

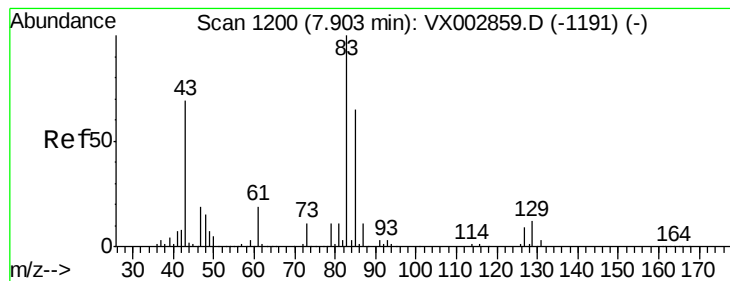
Ion Ratio Lower Upper

93 100

95 82.9 65.9 98.9

174 124.9 92.4 138.6





#47

Bromodichloromethane

Concen: 22.56 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampled :

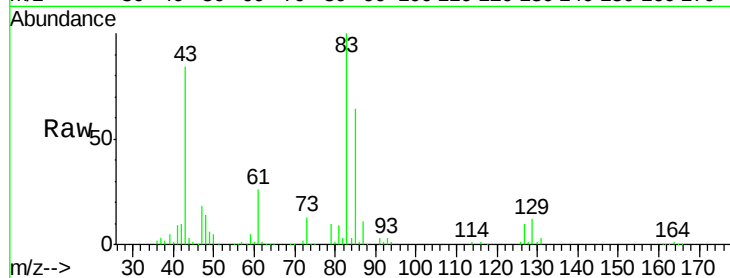
Tot Ion: 83 Resp: 72808

Ion Ratio Lower Upper

83 100

85 64.1 50.3 75.5

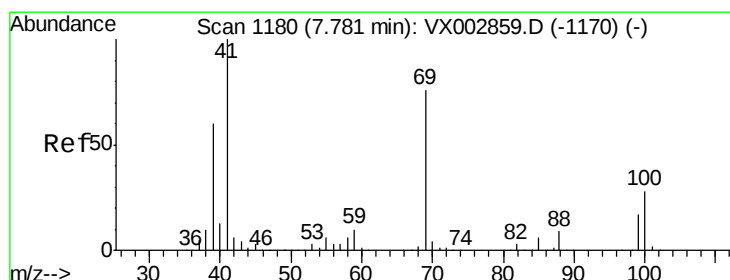
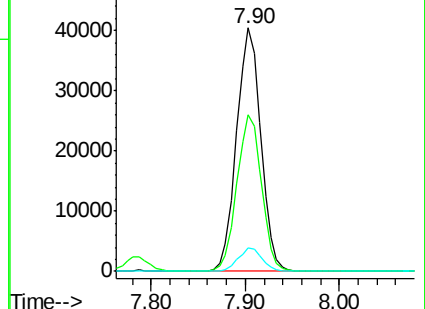
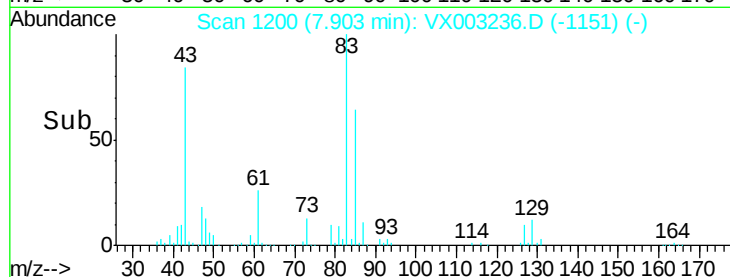
127 9.8 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.90 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

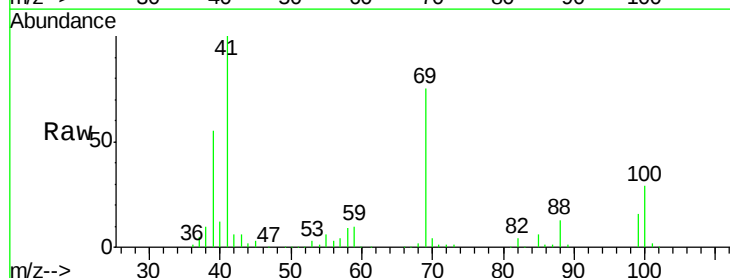
Tgt Ion: 41 Resp: 66497

Ion Ratio Lower Upper

41 100

69 77.9 59.1 88.7

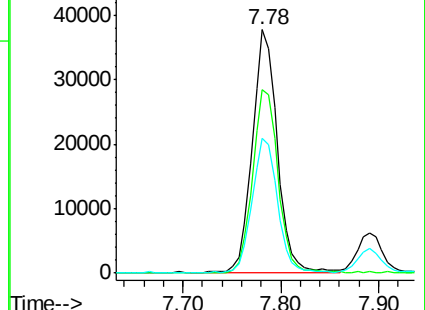
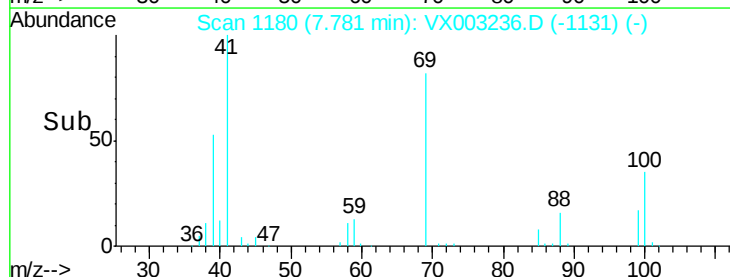
39 57.5 48.9 73.3

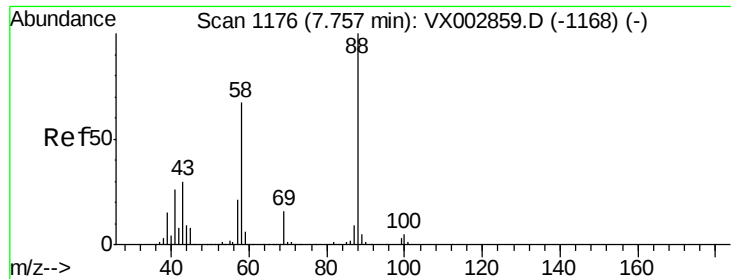


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 475.61 ug/l

RT: 7.76 min Scan# 1177

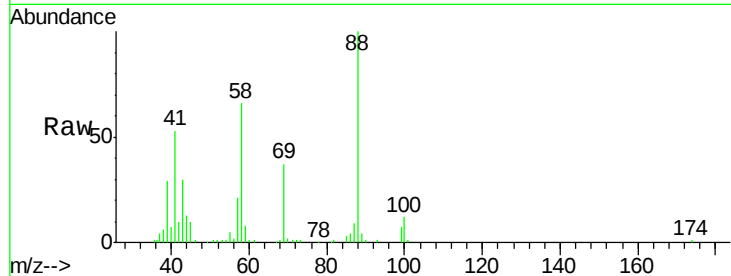
Delta R.T. 0.01 min

Lab File: VX003236.D

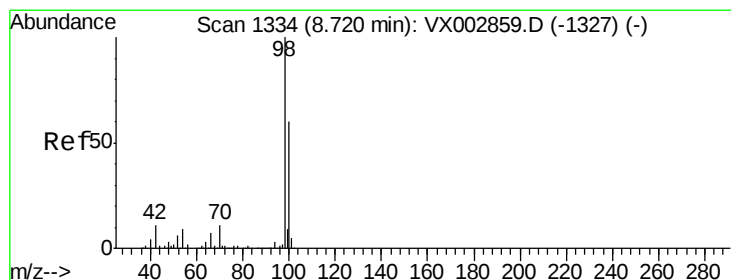
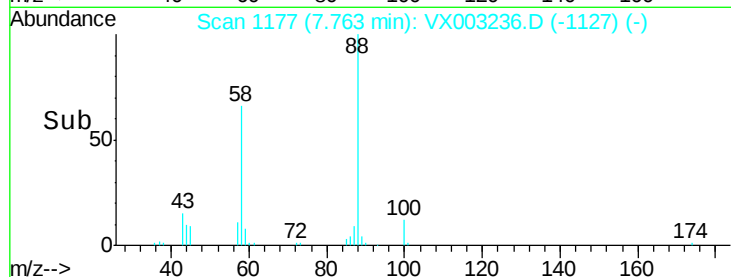
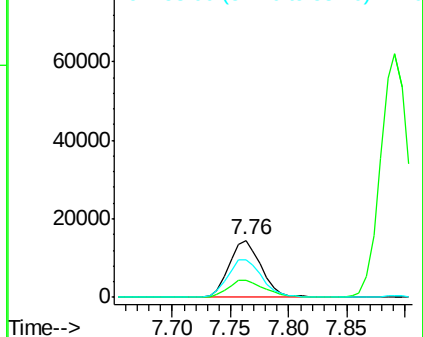
Acq: 07 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	88	Resp:	28101
Ion	Ratio	Lower	Upper
88	100		
43	33.4	29.8	44.6
58	71.0	57.1	85.7



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: 54.95 ug/l

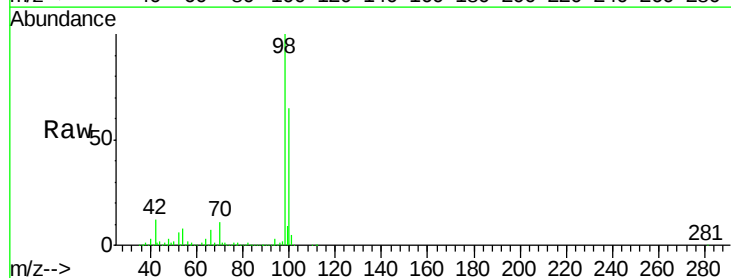
RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

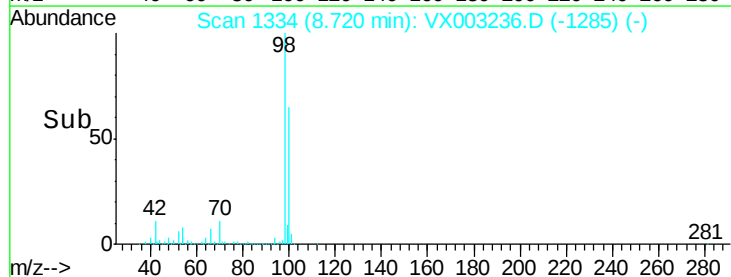
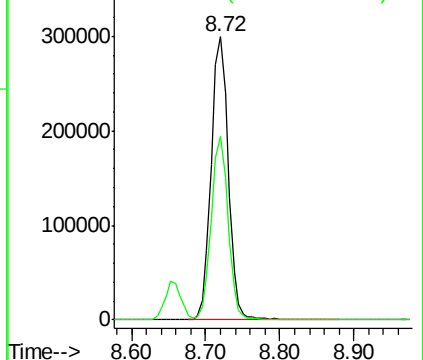
Lab File: VX003236.D

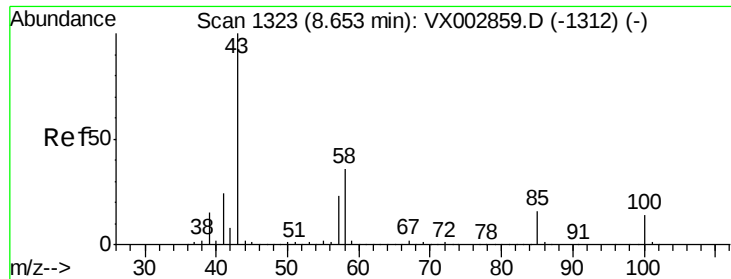
Acq: 07 Jul 2018 02:00

Tgt Ion:	98	Resp:	472926
Ion	Ratio	Lower	Upper
98	100		
100	64.4	50.9	76.3



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: 115.25 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

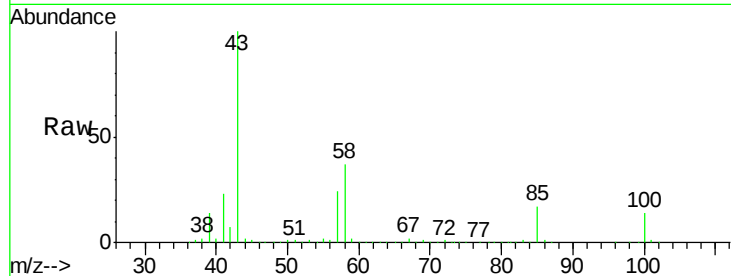
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 425000

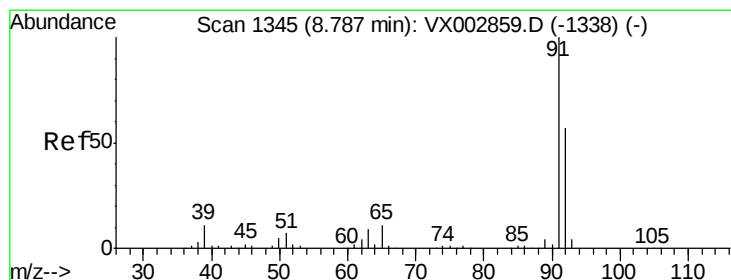
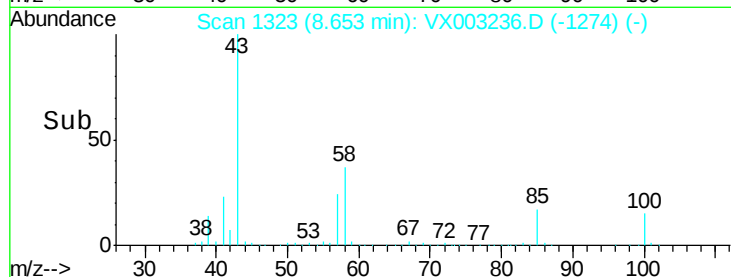
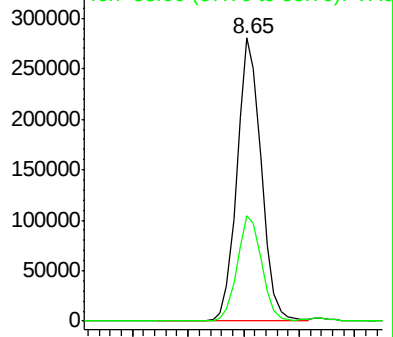
Ion Ratio Lower Upper

43 100

58 37.5 28.6 42.8



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



#52

Toluene

Concen: 23.35 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003236.D

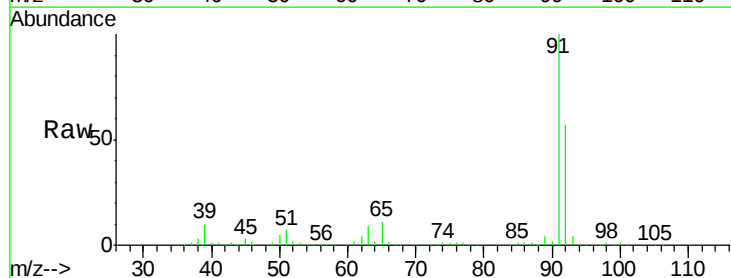
Acq: 07 Jul 2018 02:00

Tgt Ion: 92 Resp: 141847

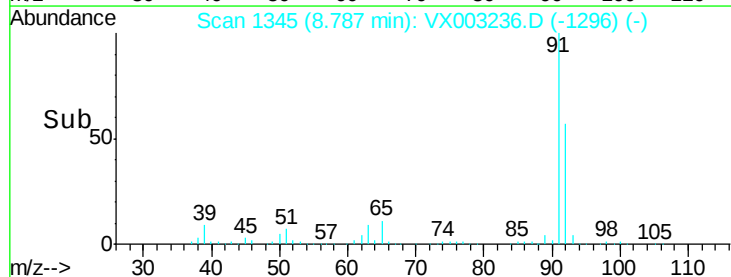
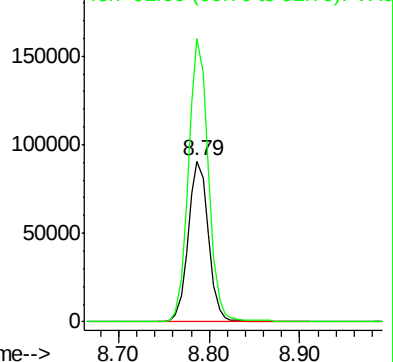
Ion Ratio Lower Upper

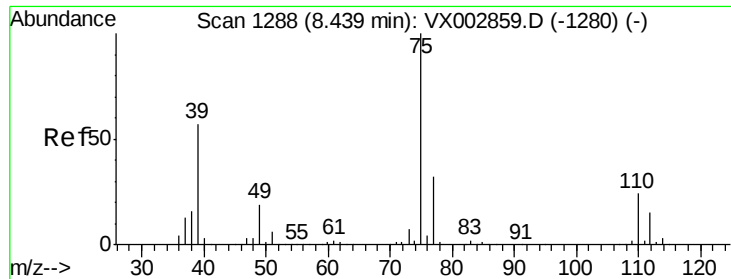
92 100

91 173.4 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0
Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 21.96 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

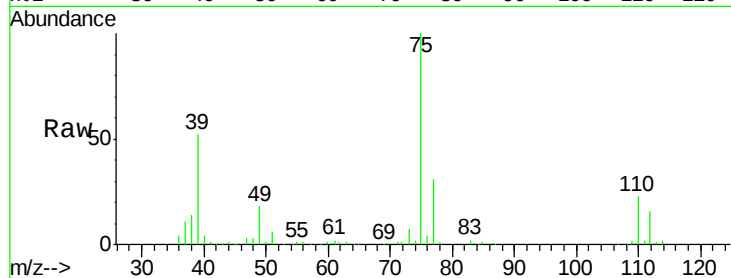
ClientSampleId :

Tot Ion: 75 Resp: 80270

Ion Ratio Lower Upper

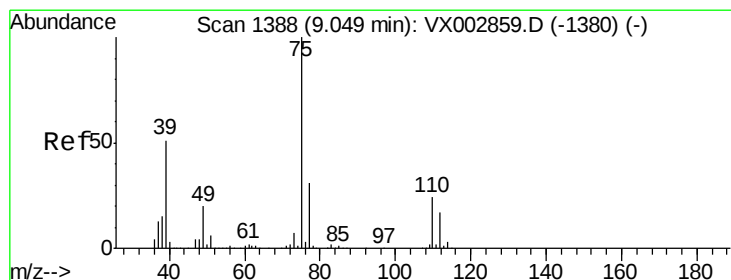
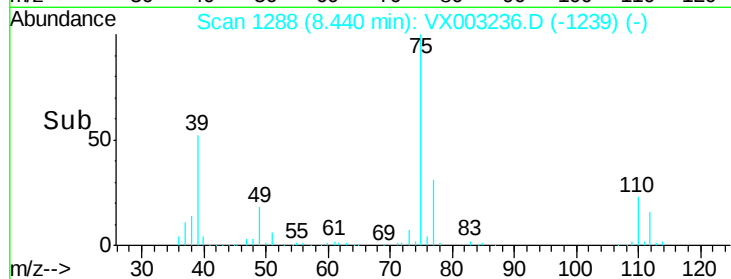
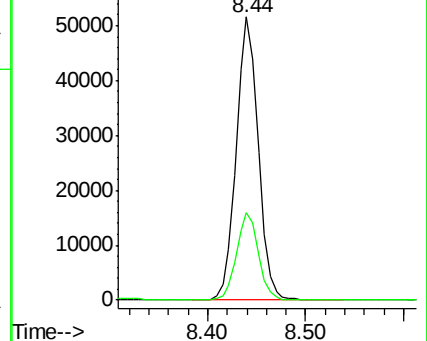
75 100

77 31.0 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 20.41 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

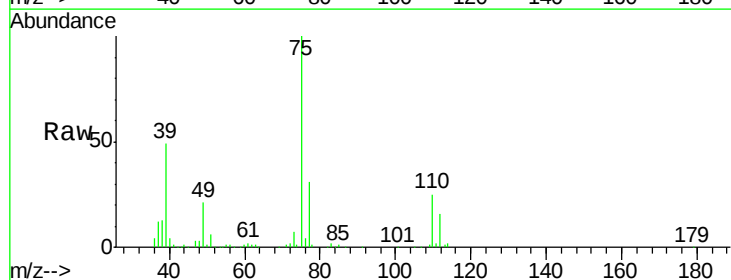
Tgt Ion: 75 Resp: 71780

Ion Ratio Lower Upper

75 100

77 30.5 24.8 37.2

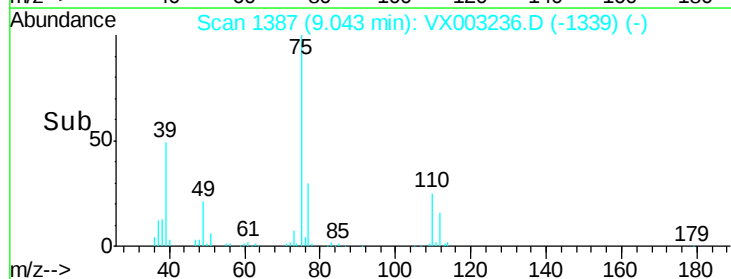
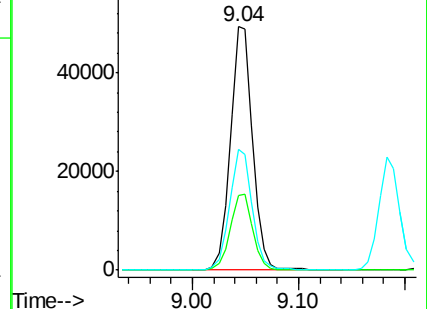
39 49.1 42.4 63.6

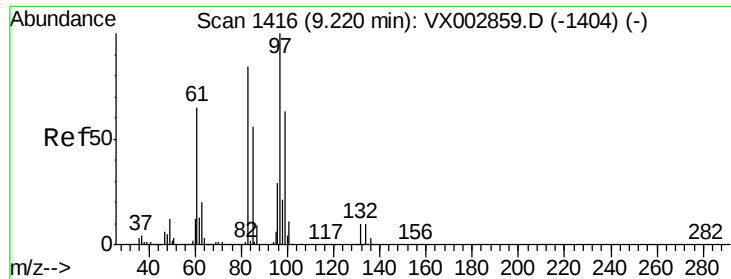


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

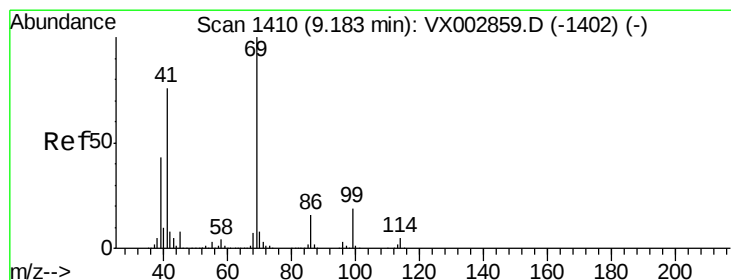
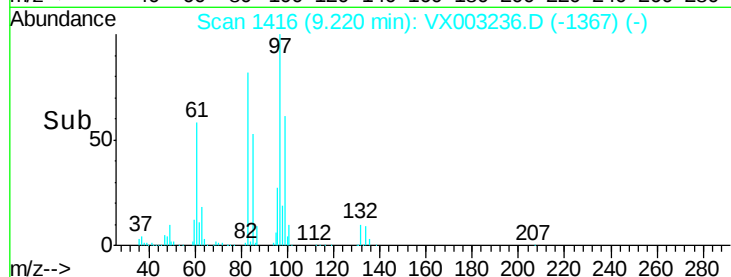
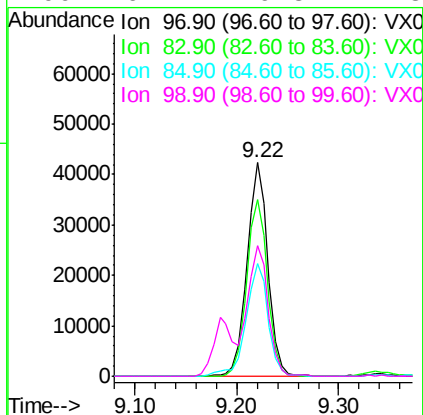
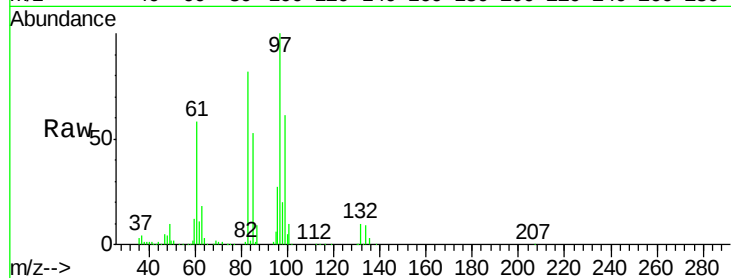




#55
 1,1,2-Trichloroethane
 Concen: 24.06 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

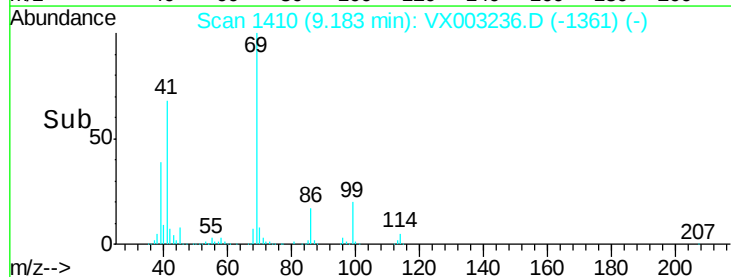
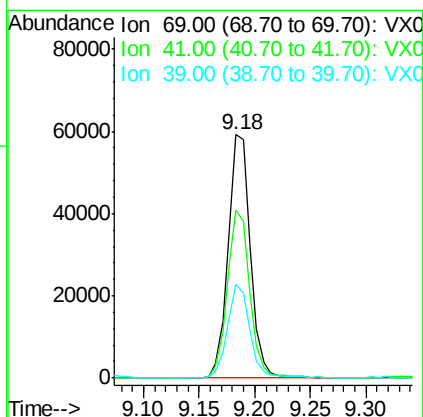
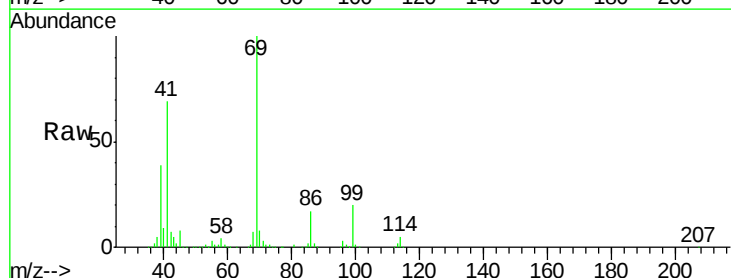
Instrument :
 MSVOA_X
 ClientSampleId :

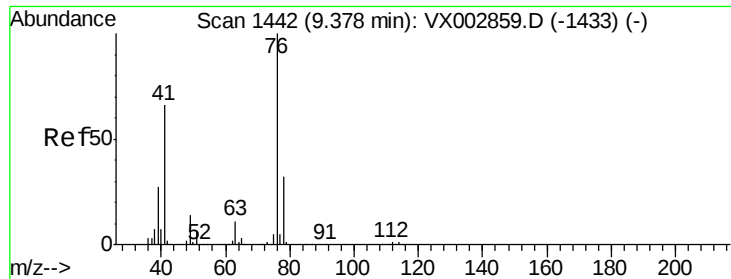
Tot Ion:	97	Resp:	60065
Ion	Ratio	Lower	Upper
97	100		
83	82.4	70.2	105.2
85	52.9	44.9	67.3
99	61.1	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 22.53 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Tgt Ion:	69	Resp:	82187
Ion	Ratio	Lower	Upper
69	100		
41	69.2	60.3	90.5
39	38.4	35.8	53.8

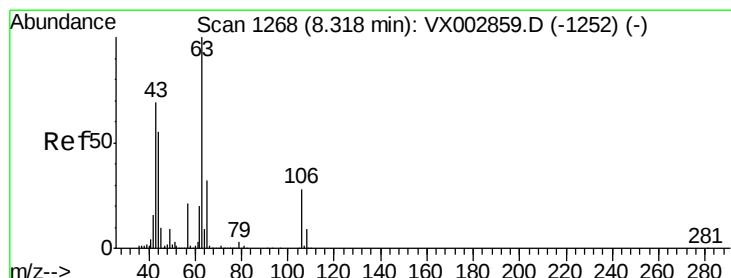
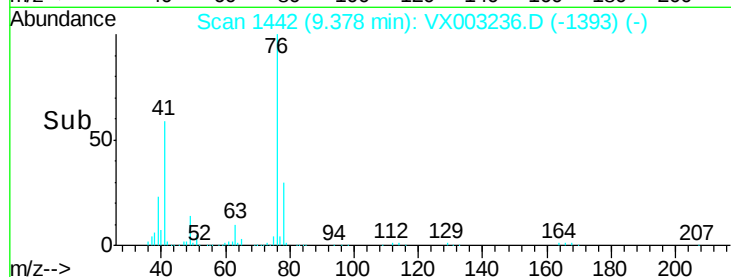
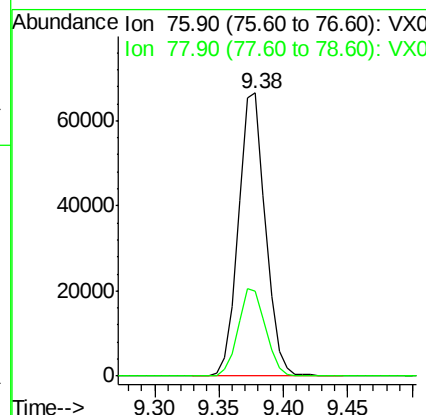
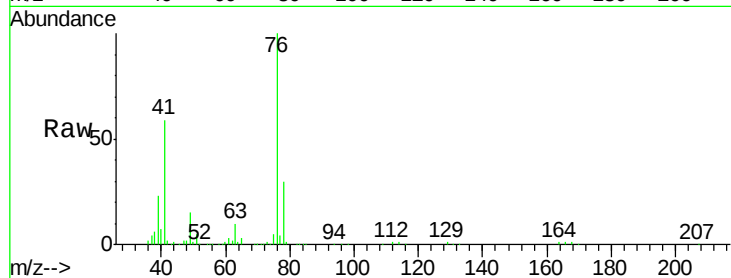




#57
 1,3-Dichloropropane
 Concen: 23.66 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

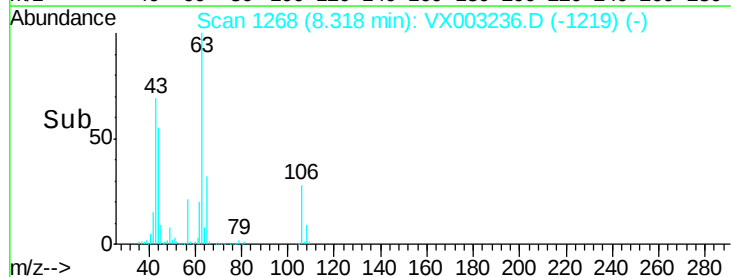
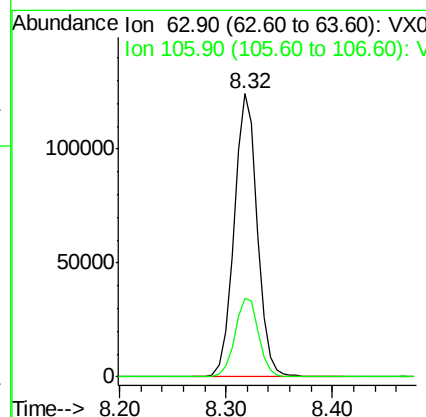
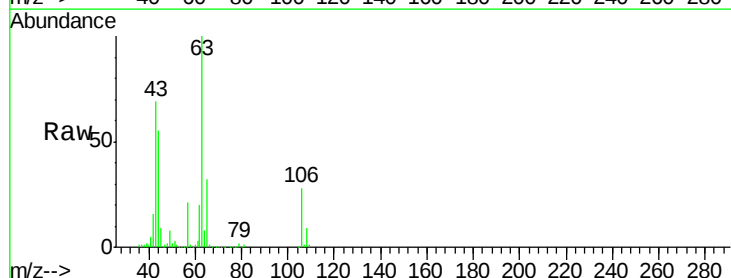
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 76 Resp: 96992
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.35 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Tgt Ion: 63 Resp: 188957
 Ion Ratio Lower Upper
 63 100
 106 28.6 21.8 32.8

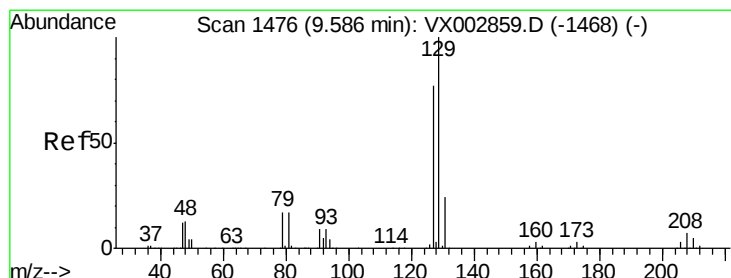
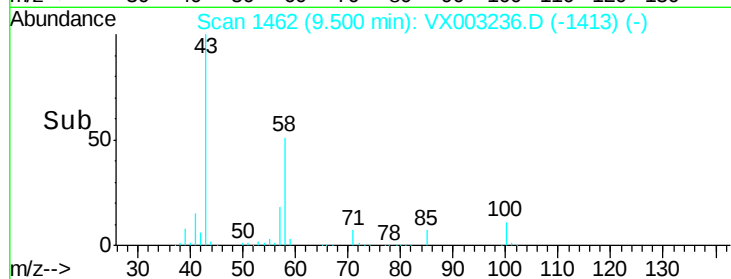
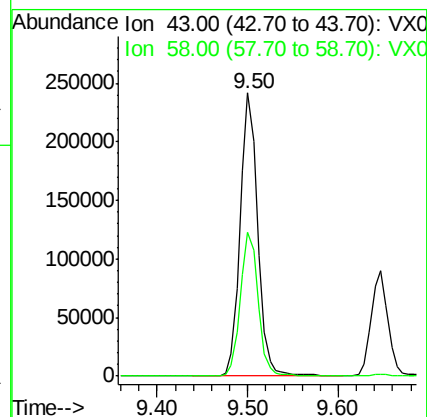
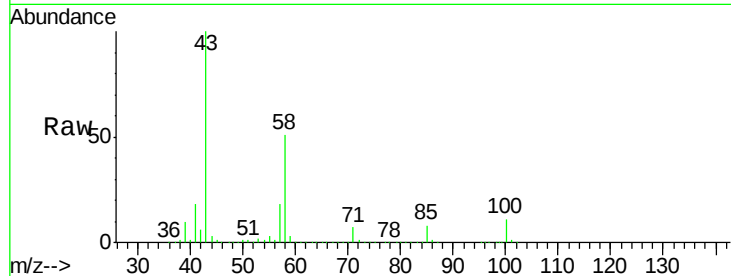




#59
2-Hexanone
Concen: 115.91 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

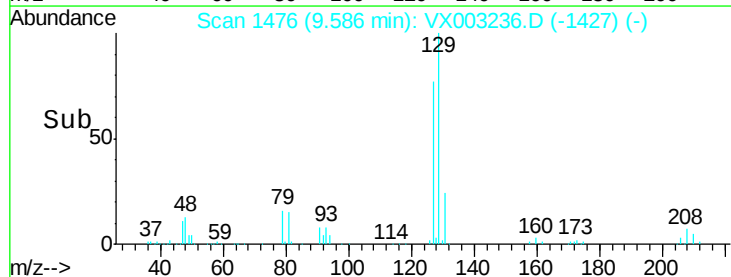
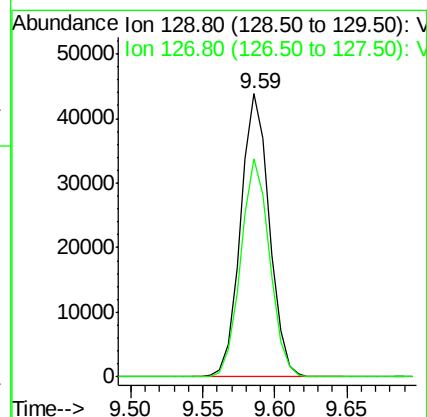
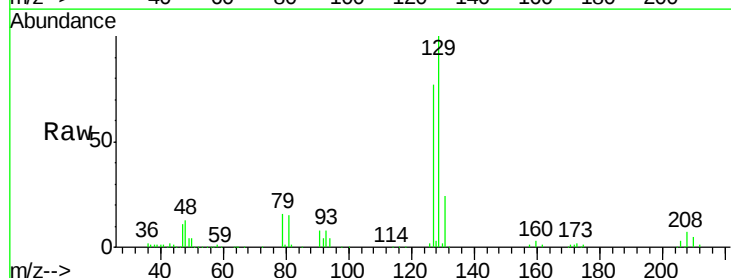
Instrument :
MSVOA_X
ClientSampled :

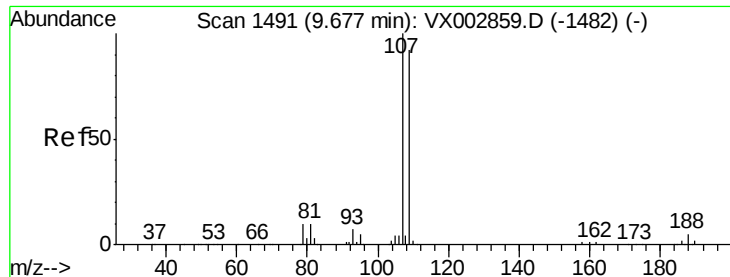
Tot Ion: 43 Resp: 324830
Ion Ratio Lower Upper
43 100
58 51.9 24.6 73.6



#60
Dibromochloromethane
Concen: 23.15 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion:129 Resp: 60846
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 23.85 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

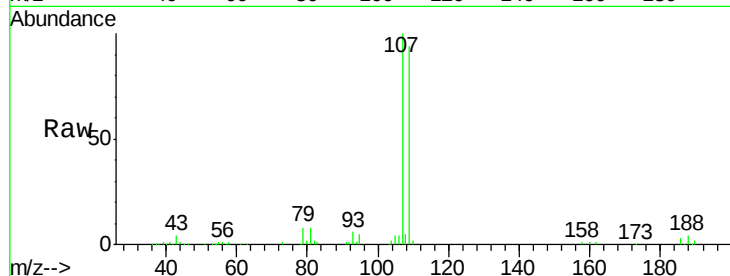
ClientSampleId :

Tot Ion:107 Resp: 62456

Ion Ratio Lower Upper

107 100

109 93.9 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

50000

40000

30000

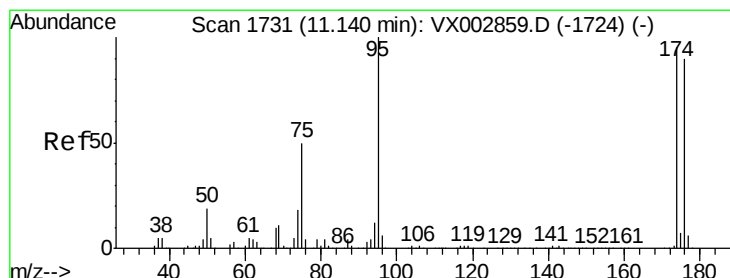
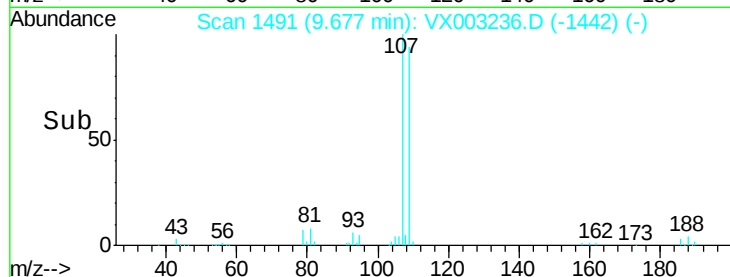
20000

10000

0

Time-->

9.60 9.65 9.70 9.75 9.80



#62

4-Bromofluorobenzene

Concen: 55.08 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

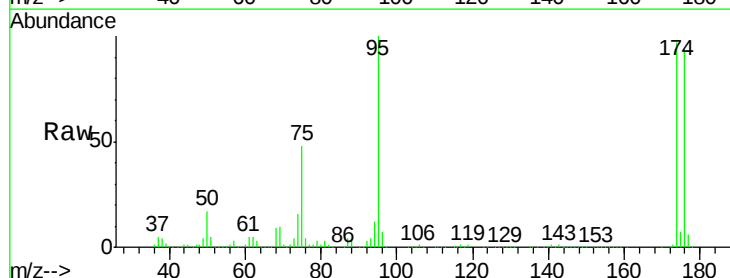
Tgt Ion: 95 Resp: 182837

Ion Ratio Lower Upper

95 100

174 100.0 0.0 187.4

176 97.1 0.0 181.0



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

200000

150000

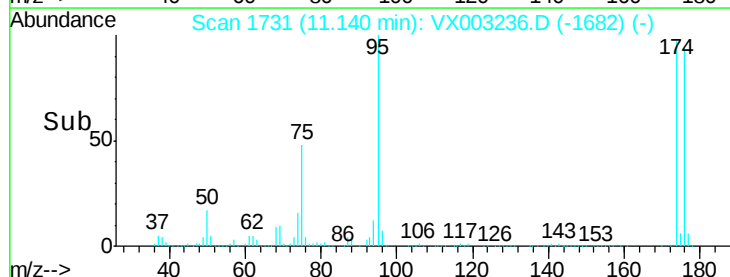
100000

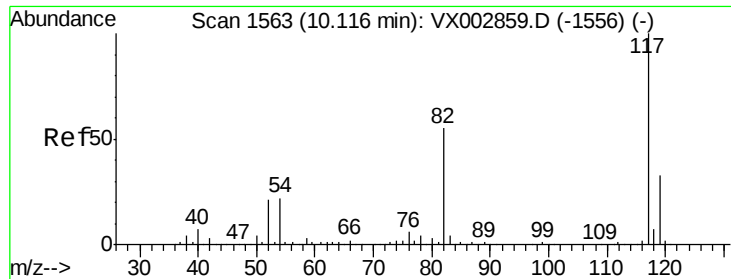
50000

0

Time-->

11.10 11.20

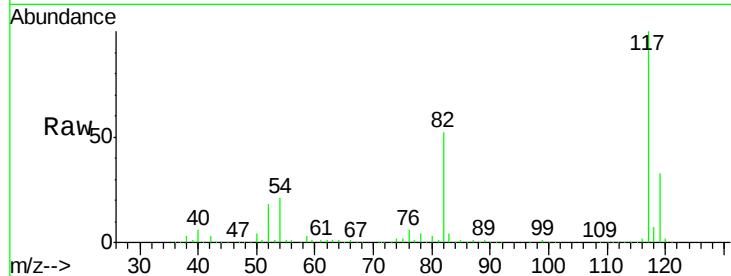




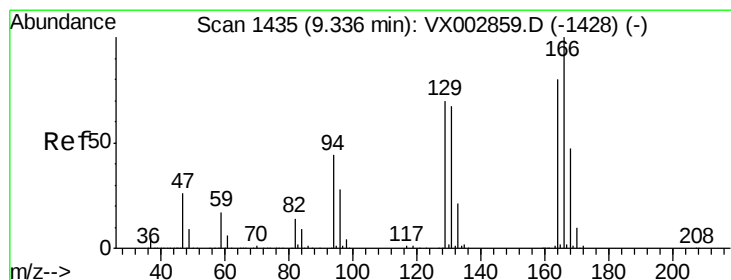
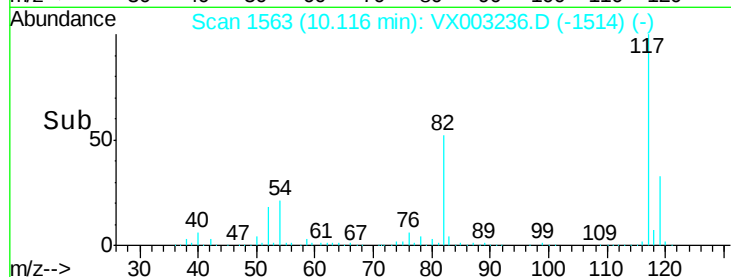
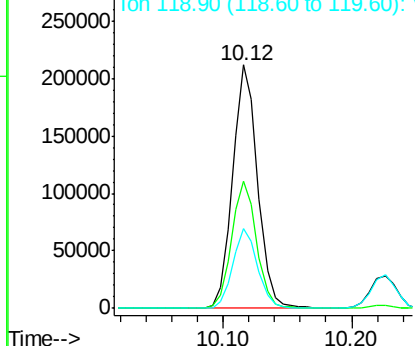
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 285987
Ion Ratio Lower Upper
117 100
82 52.0 45.0 67.4
119 32.6 25.8 38.6



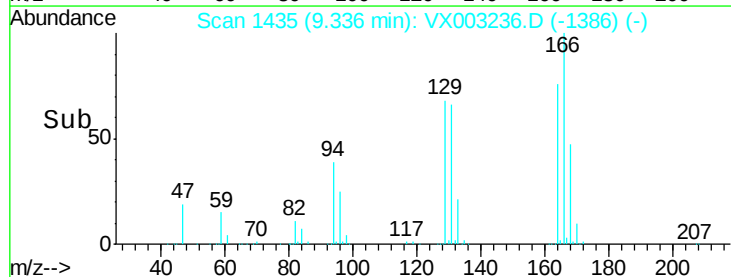
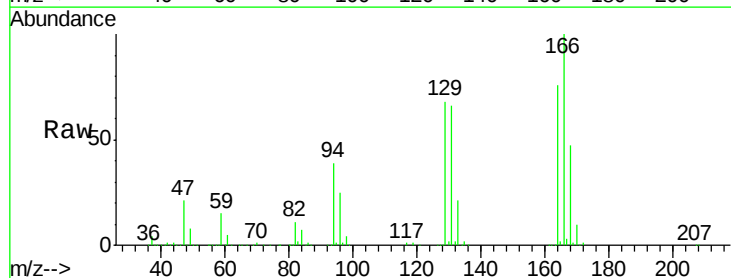
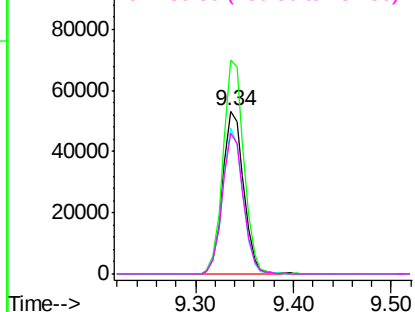
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 24.86 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion:164 Resp: 79058
Ion Ratio Lower Upper
164 100
166 131.3 102.9 154.3
129 89.7 68.6 102.8
131 86.2 66.8 100.2

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





#65

Chlorobenzene

Concen: 22.78 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

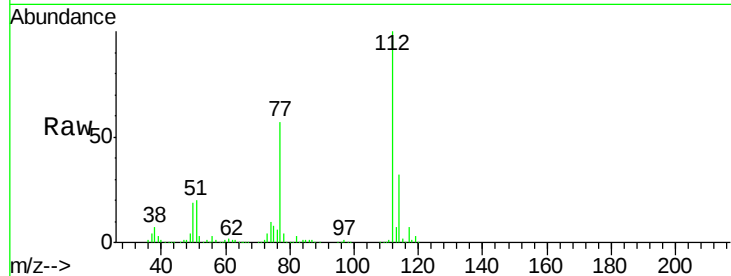
ClientSampled :

Tot Ion:112 Resp: 165455

Ion Ratio Lower Upper

112 100

114 32.3 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

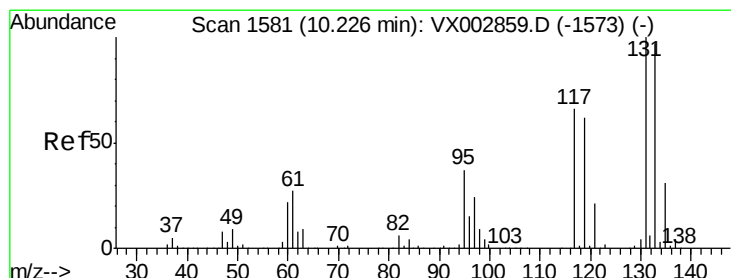
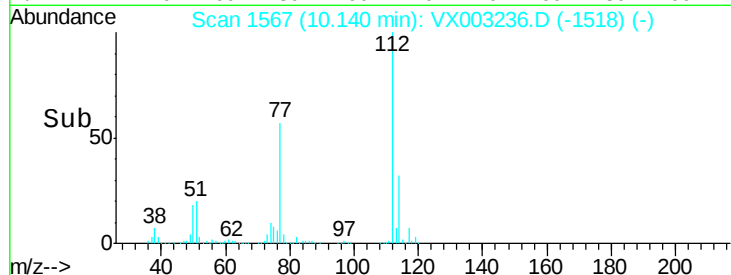
10.14

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 23.15 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

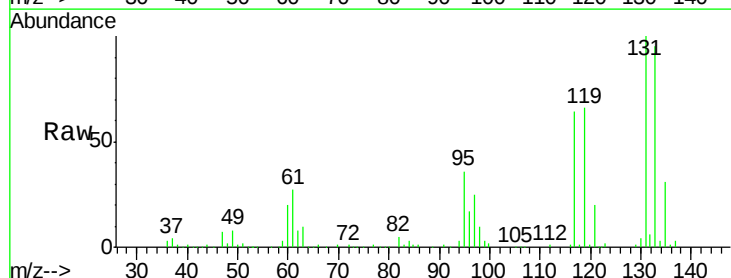
Tgt Ion:131 Resp: 61076

Ion Ratio Lower Upper

131 100

133 95.4 47.9 143.6

119 64.0 31.8 95.3



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

10.23

60000

50000

40000

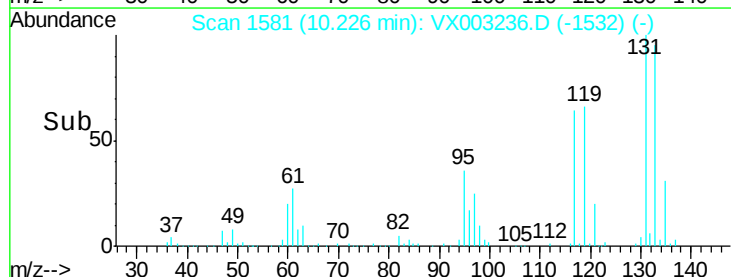
30000

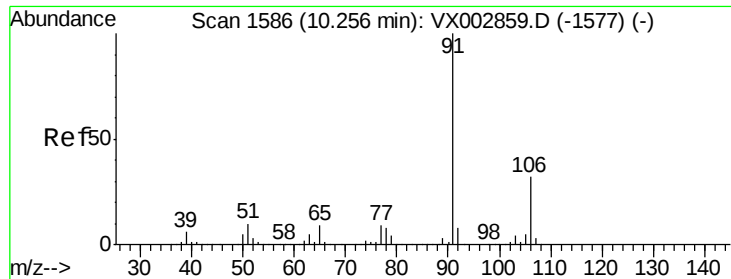
20000

10000

0

Time-->

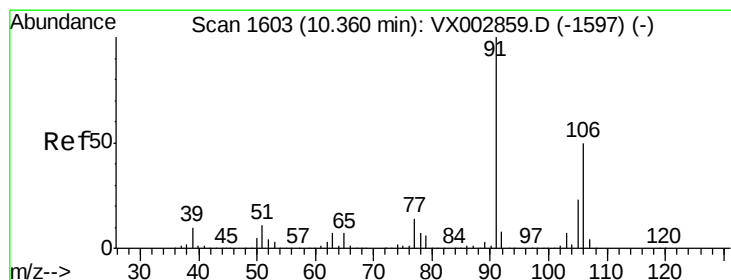
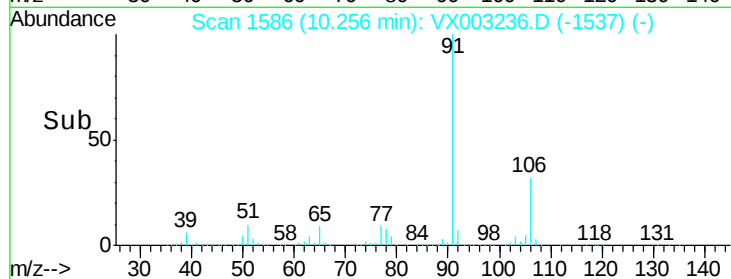
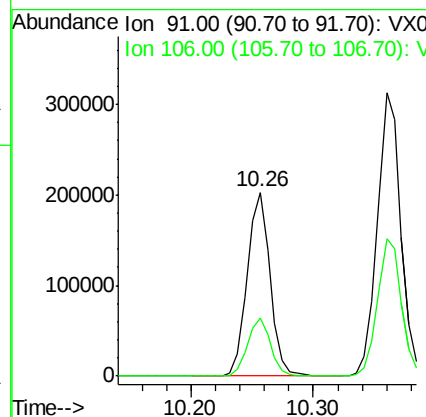
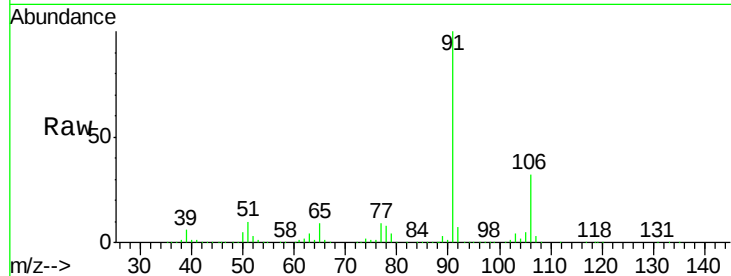




#67
Ethyl Benzene
Concen: 21.95 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

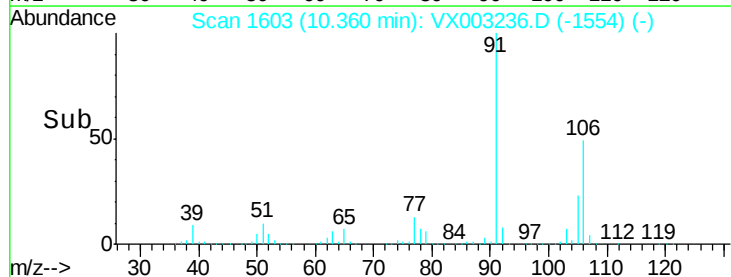
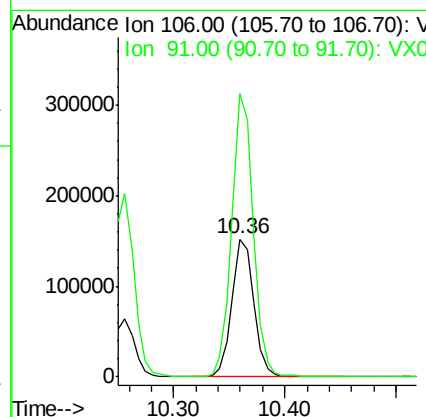
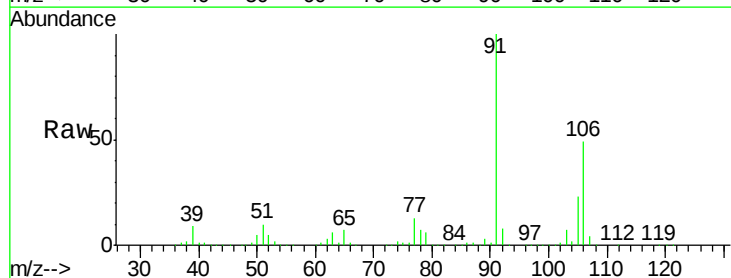
Instrument :
MSVOA_X
ClientSampleId :

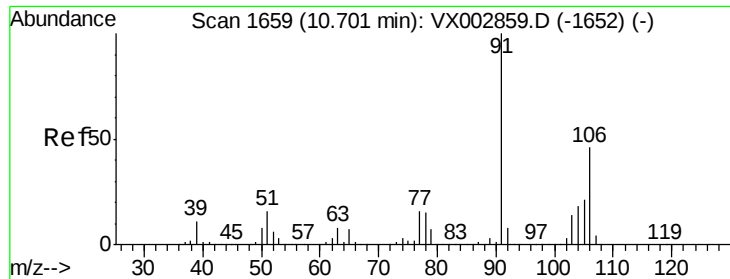
Tot Ion: 91 Resp: 263361
Ion Ratio Lower Upper
91 100
106 31.8 25.5 38.3



#68
m/p-Xylenes
Concen: 44.80 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion: 106 Resp: 207167
Ion Ratio Lower Upper
106 100
91 201.7 163.4 245.2

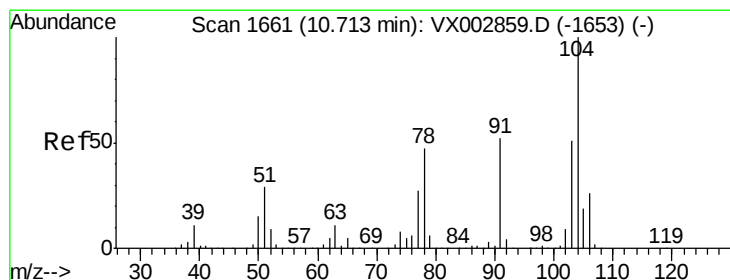
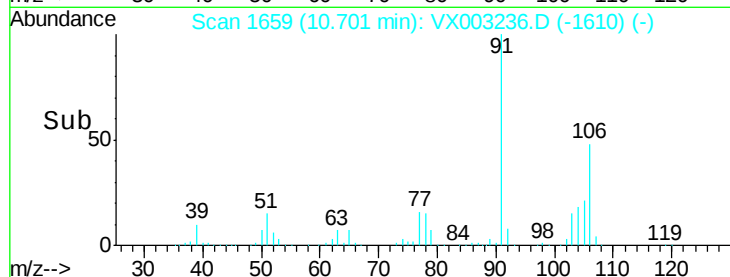
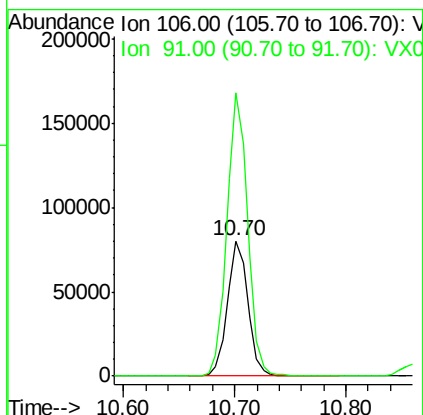
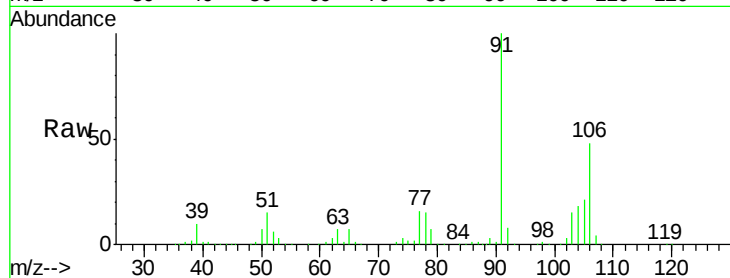




#69
o-Xylene
Concen: 22.68 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

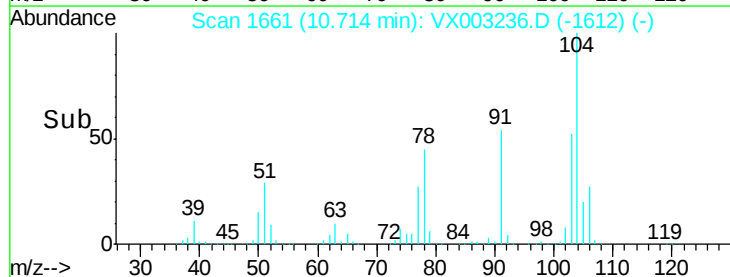
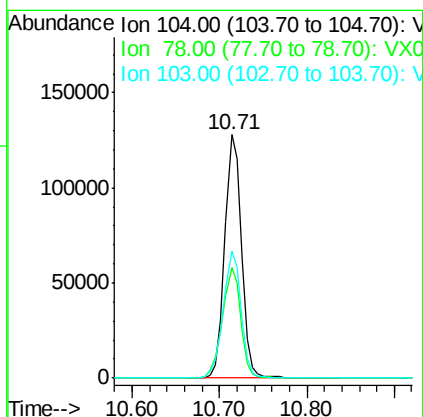
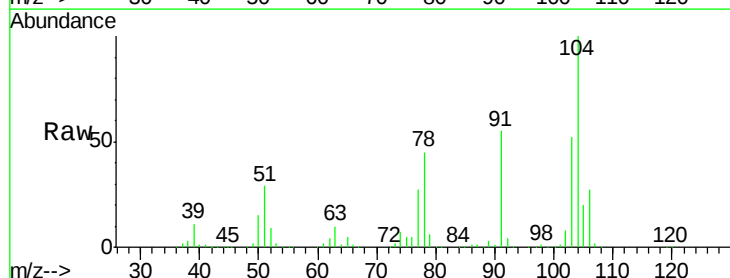
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 102144
Ion Ratio Lower Upper
106 100
91 211.5 108.2 324.6



#70
Styrene
Concen: 23.03 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion:104 Resp: 168516
Ion Ratio Lower Upper
104 100
78 49.9 41.0 61.6
103 55.9 44.2 66.4





#71

Bromoform

Concen: 22.06 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

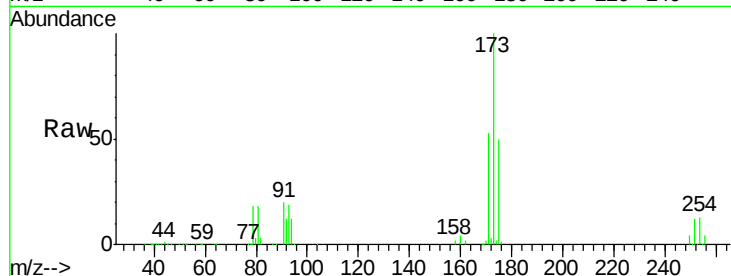
Tot Ion:173 Resp: 46967

Ion Ratio Lower Upper

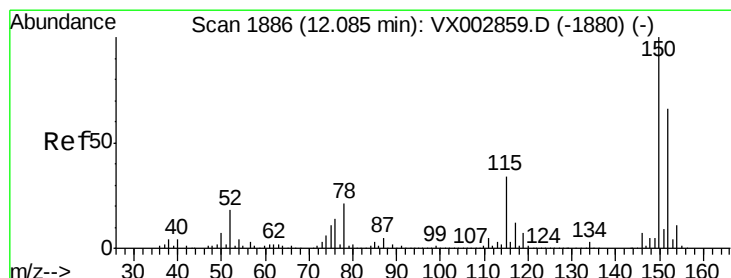
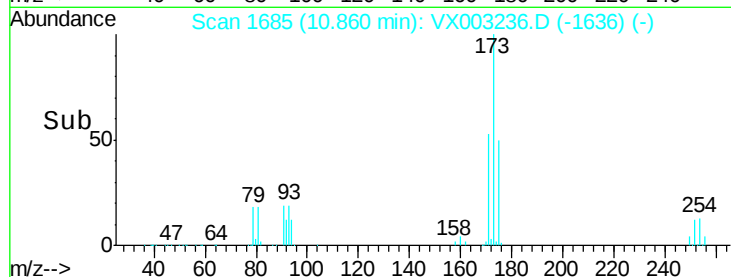
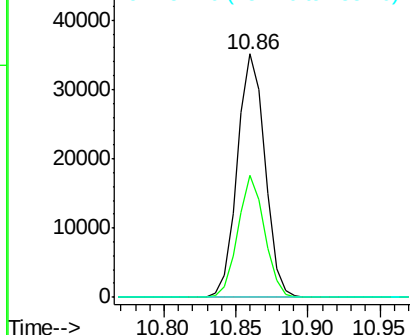
173 100

175 48.3 24.7 74.1

254 0.3 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

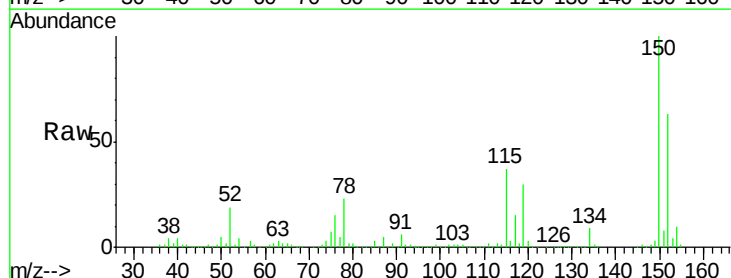
Tgt Ion:152 Resp: 178306

Ion Ratio Lower Upper

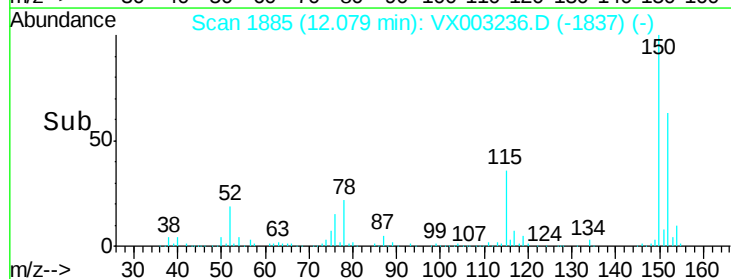
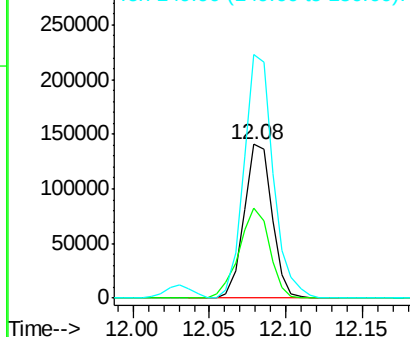
152 100

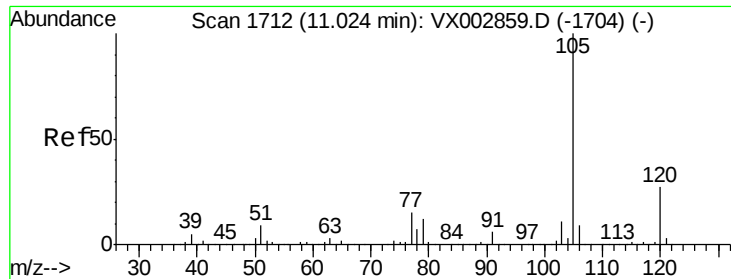
115 64.2 40.1 120.2

150 165.3 0.0 347.2



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: 23.19 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

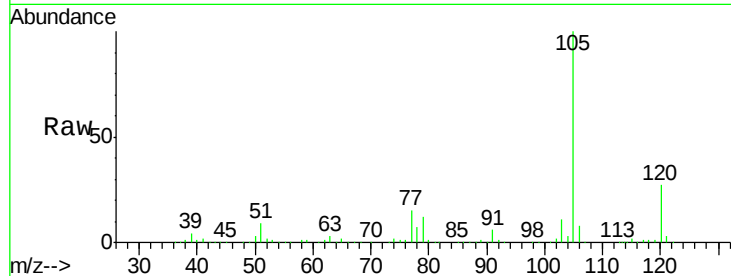
ClientSampled :

Tot Ion:105 Resp: 278215

Ion Ratio Lower Upper

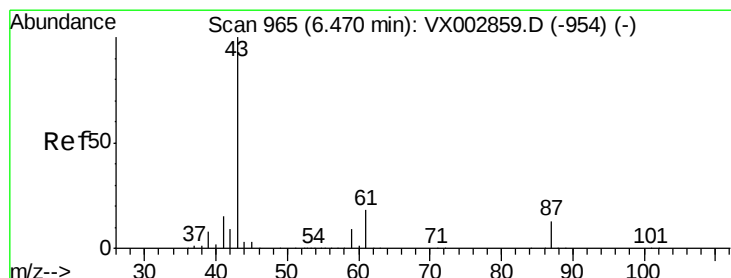
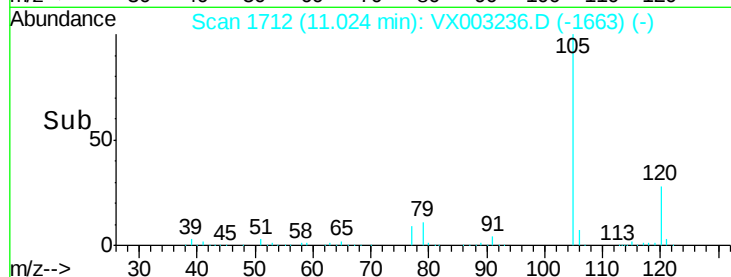
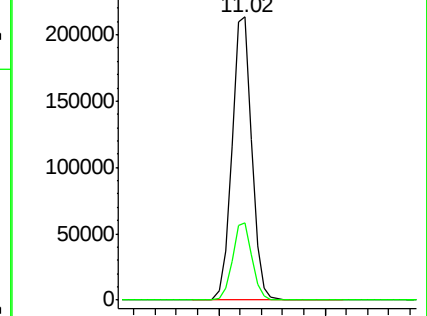
105 100

120 27.3 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.02 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Tgt Ion: 43 Resp: 129211

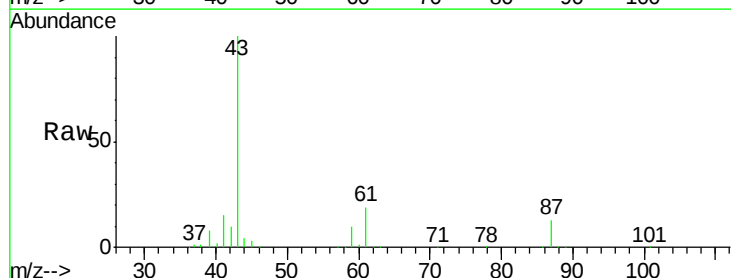
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 19.4 14.4 21.6

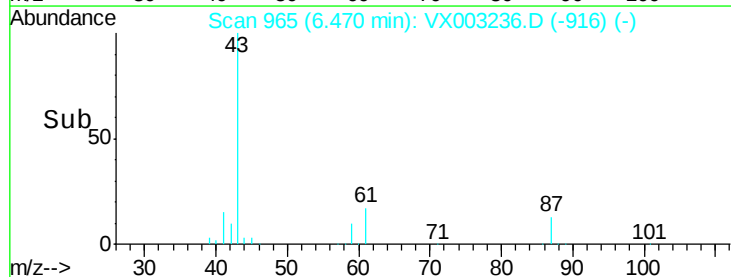
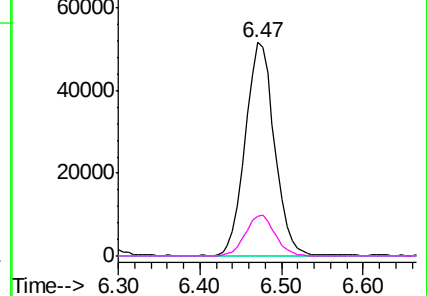


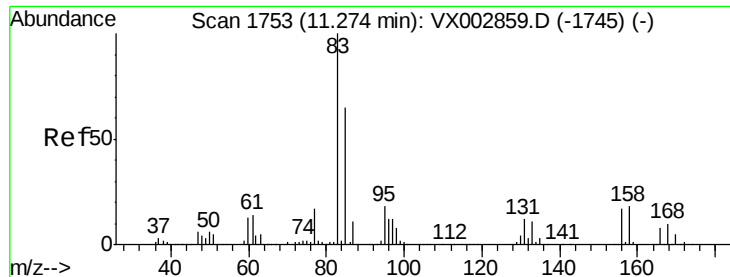
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.69 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

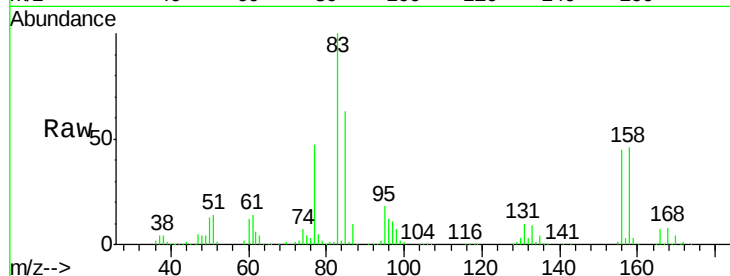
Tot Ion: 83 Resp: 87526

Ion Ratio Lower Upper

83 100

131 11.2 5.6 16.8

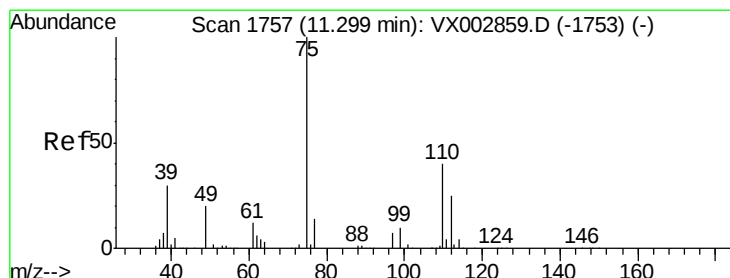
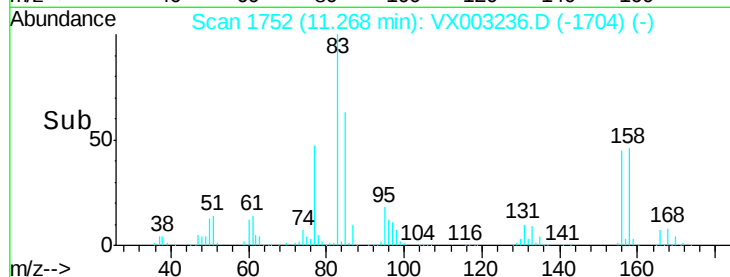
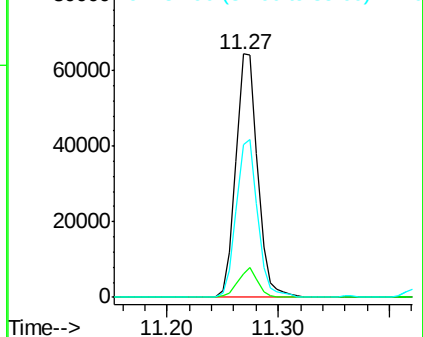
85 63.9 32.4 97.2



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: 28.22 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003236.D

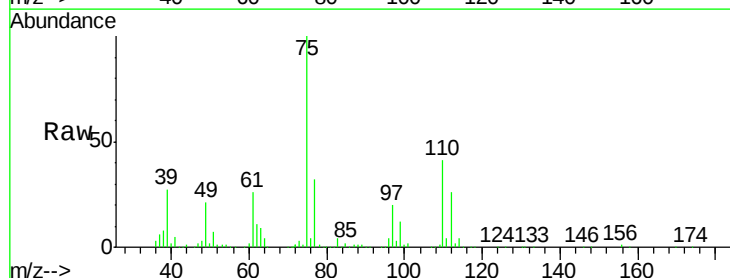
Acq: 07 Jul 2018 02:00

Tgt Ion: 75 Resp: 91155

Ion Ratio Lower Upper

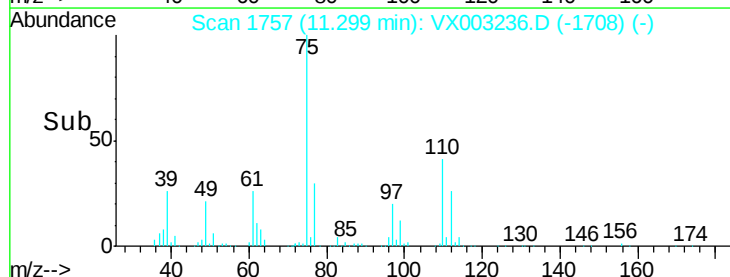
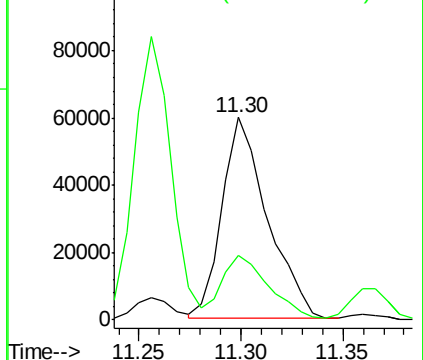
75 100

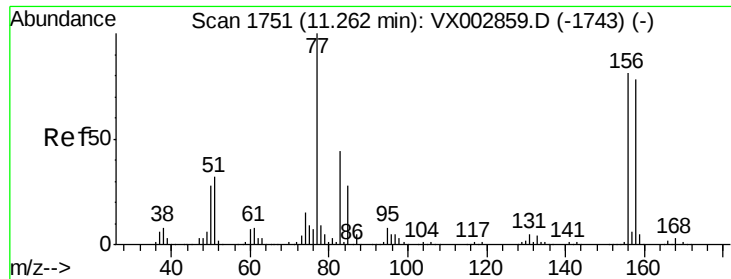
77 33.7 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 22.97 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

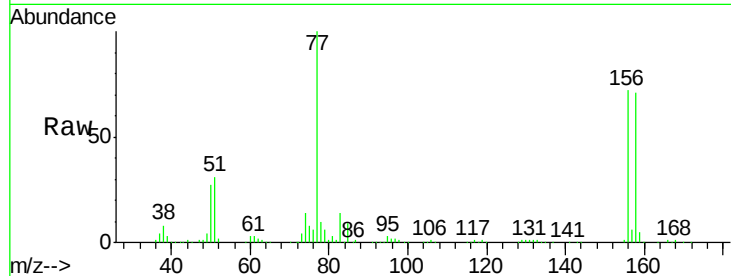
Tot Ion:156 Resp: 78476

Ion Ratio Lower Upper

156 100

77 134.8 71.4 214.2

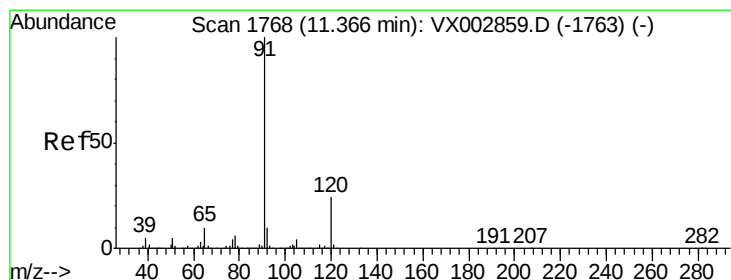
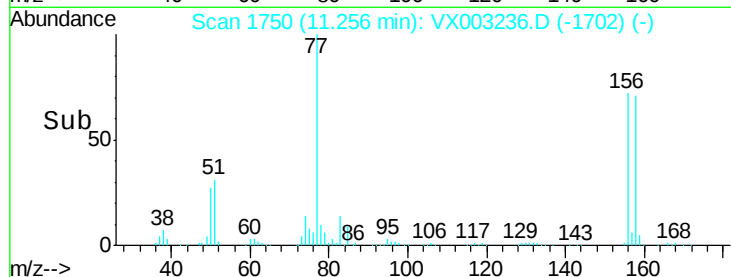
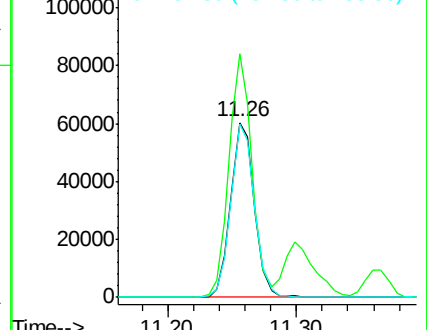
158 99.1 48.9 146.6



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: 22.56 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003236.D

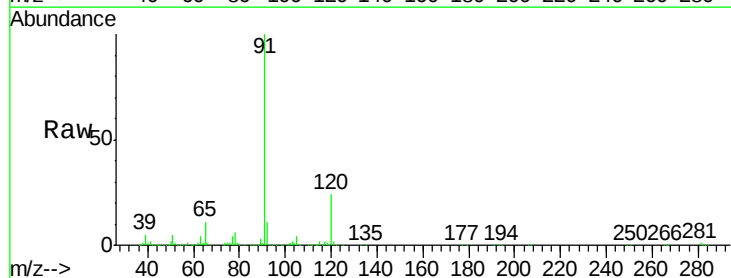
Acq: 07 Jul 2018 02:00

Tgt Ion: 91 Resp: 308063

Ion Ratio Lower Upper

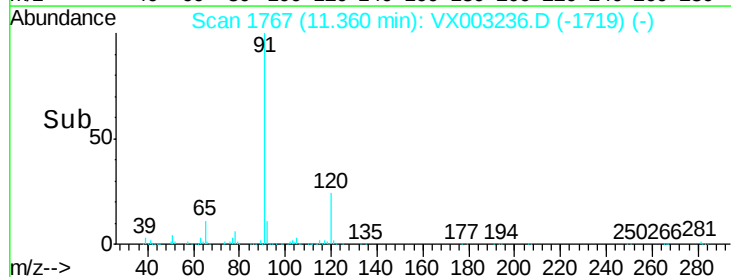
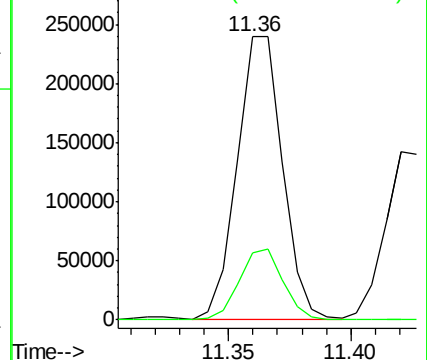
91 100

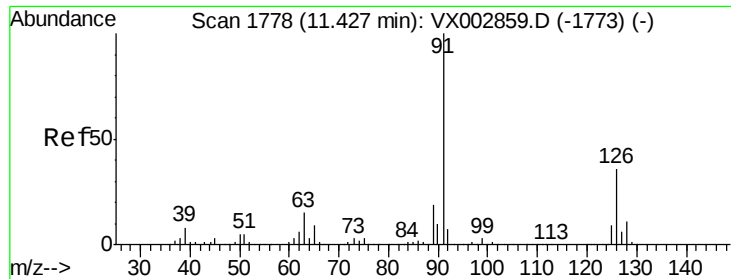
120 24.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

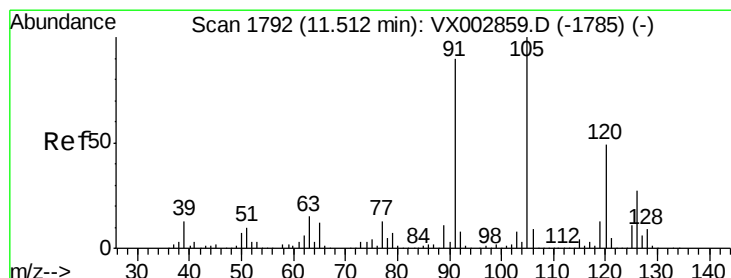
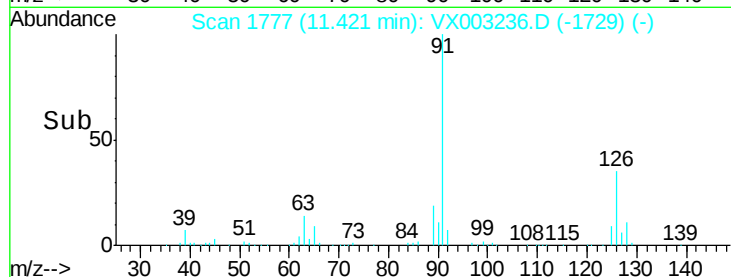
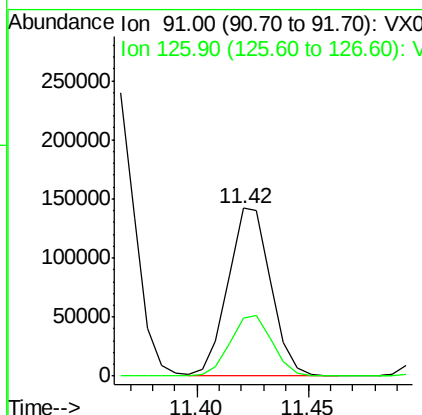
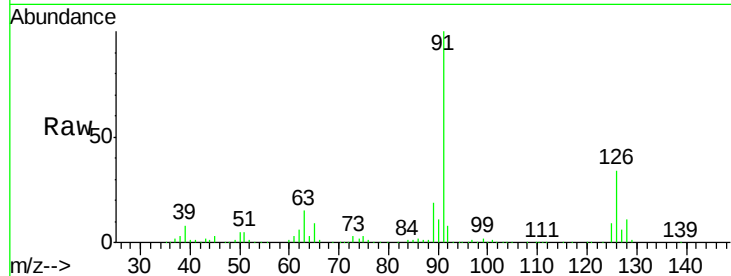




#79
 2-Chlorotoluene
 Concen: 22.77 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

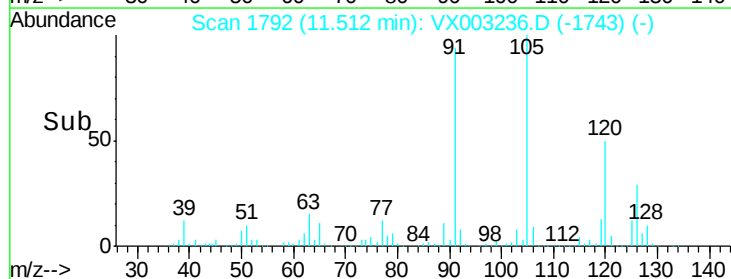
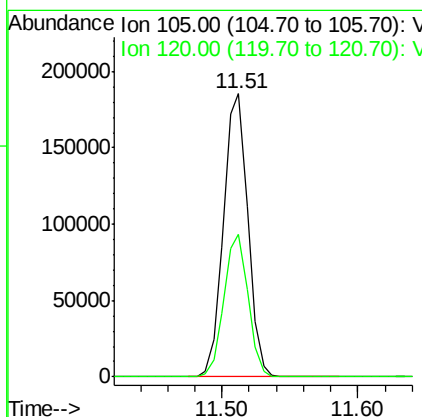
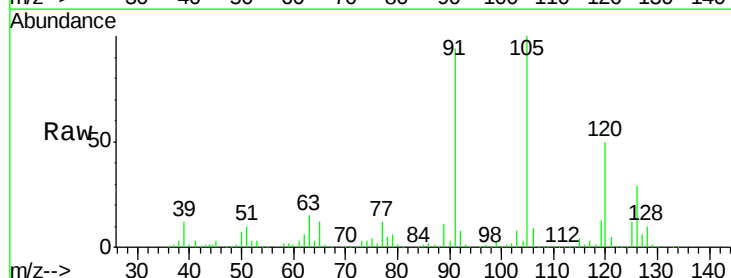
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 91 Resp: 188200
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 22.83 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Tgt Ion: 105 Resp: 230680
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.75 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

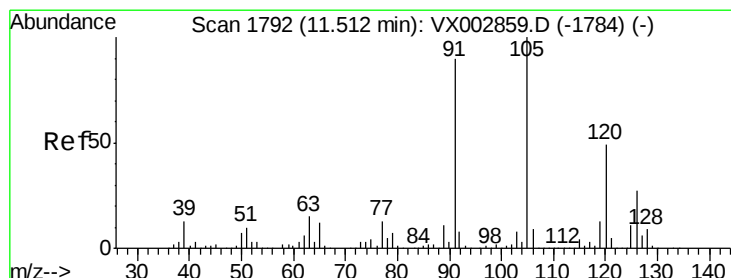
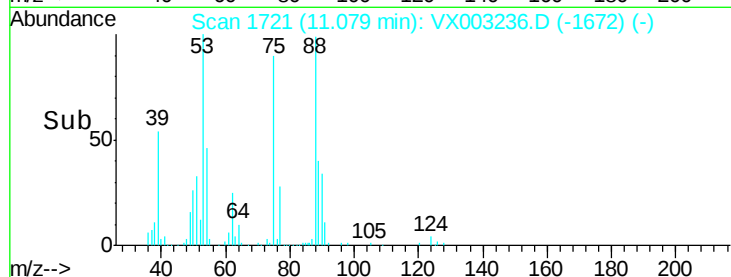
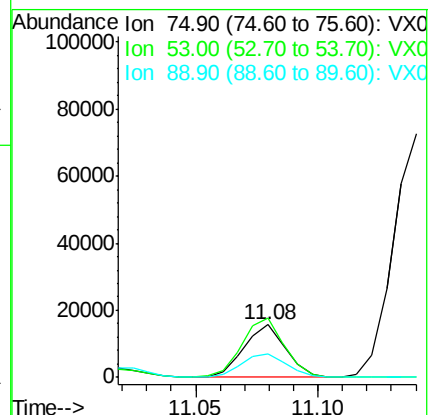
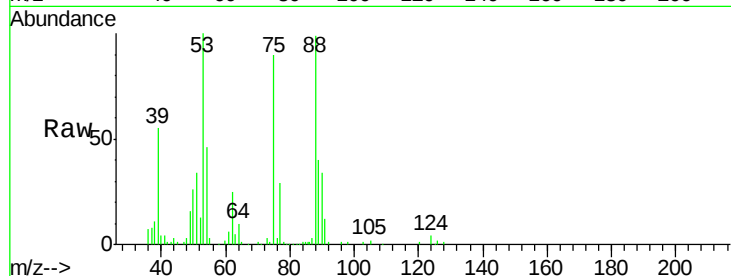
Tot Ion: 75 Resp: 18359

Ion Ratio Lower Upper

75 100

53 115.7 86.8 130.2

89 49.6 38.2 57.2



#82

4-Chlorotoluene

Concen: 22.23 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003236.D

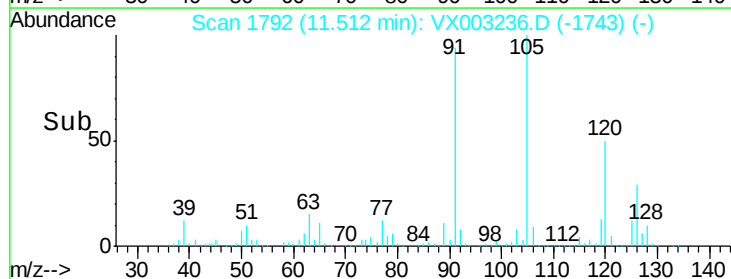
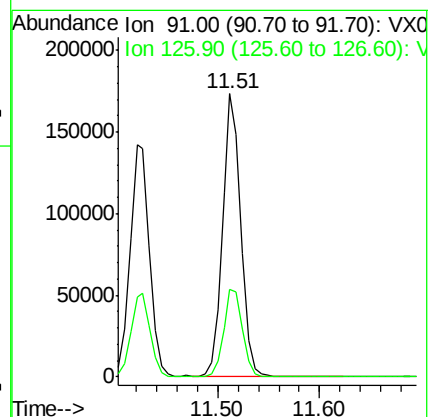
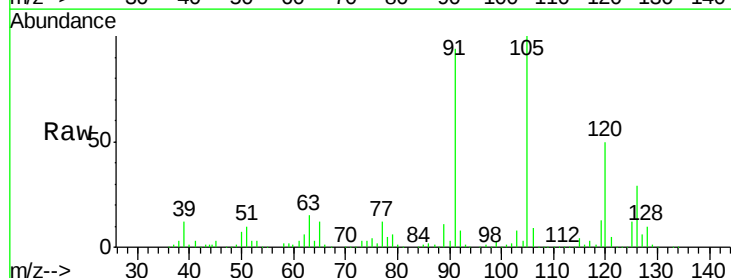
Acq: 07 Jul 2018 02:00

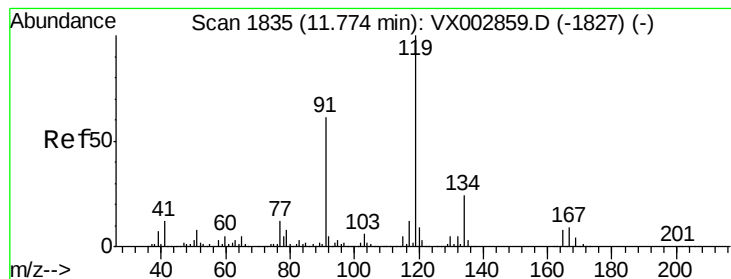
Tgt Ion: 91 Resp: 217565

Ion Ratio Lower Upper

91 100

126 31.9 15.4 46.4





#83

tert-Butylbenzene

Concen: 22.33 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampled :

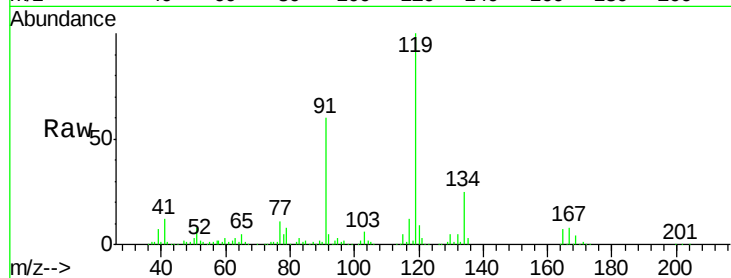
Tot Ion:119 Resp: 222299

Ion Ratio Lower Upper

119 100

91 57.7 30.3 90.9

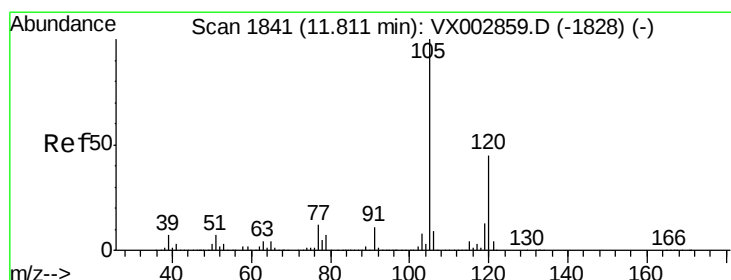
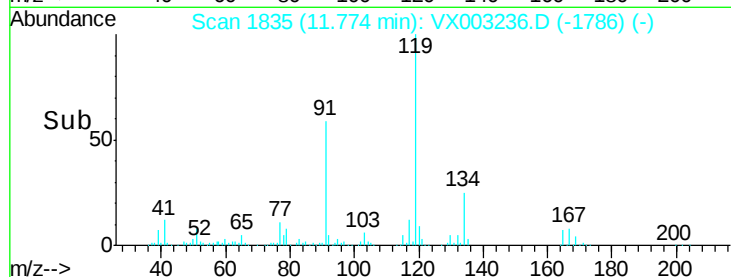
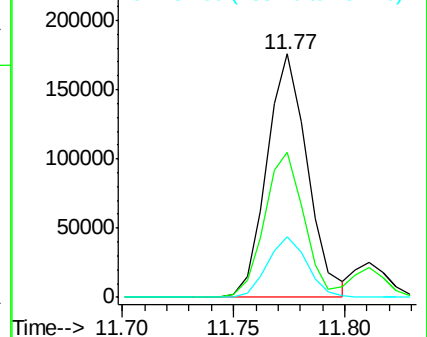
134 24.5 11.7 35.1



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: 22.69 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003236.D

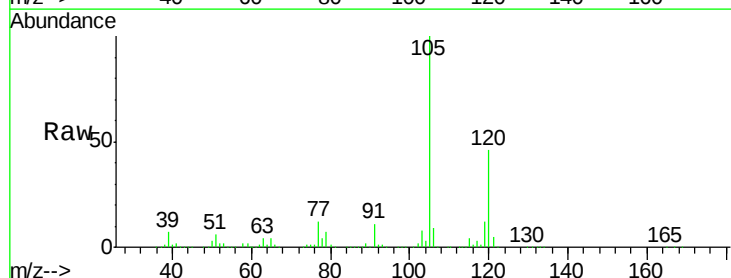
Acq: 07 Jul 2018 02:00

Tgt Ion:105 Resp: 237528

Ion Ratio Lower Upper

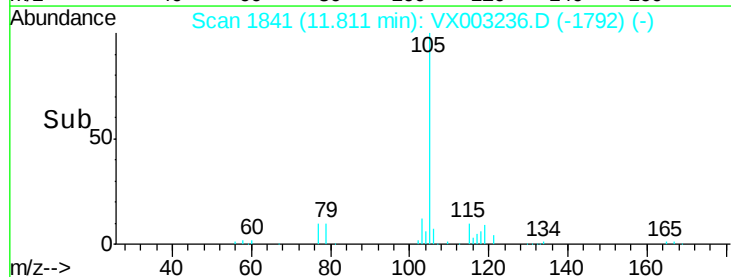
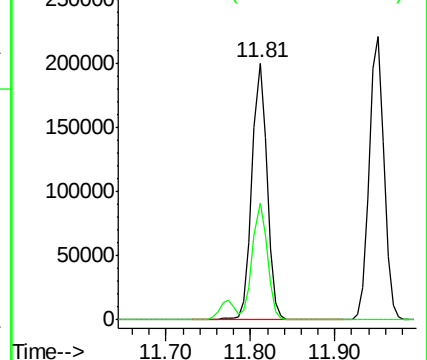
105 100

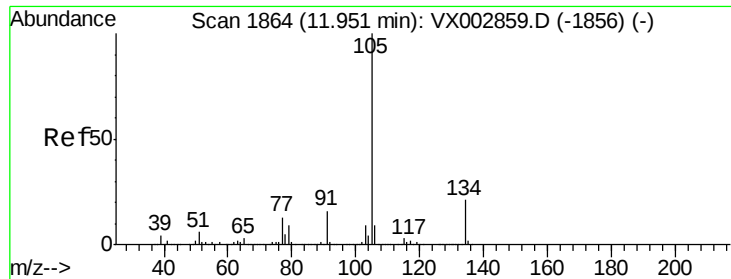
120 45.2 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.56 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

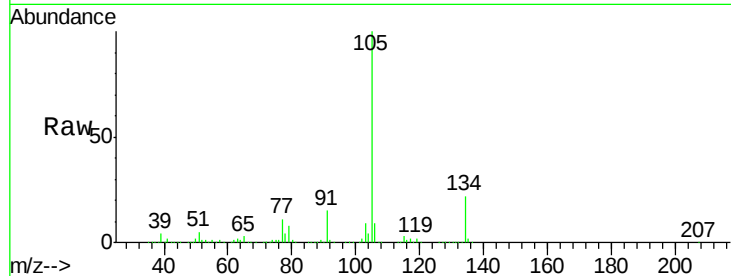
ClientSampled :

Tot Ion:105 Resp: 272508

Ion Ratio Lower Upper

105 100

134 21.2 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

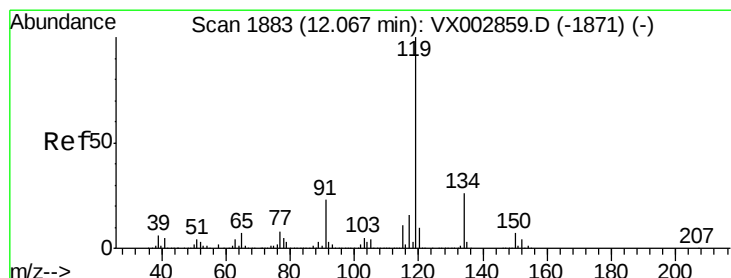
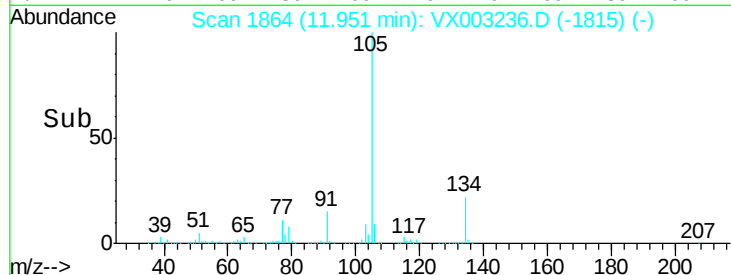
100000

50000

0

11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 22.46 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

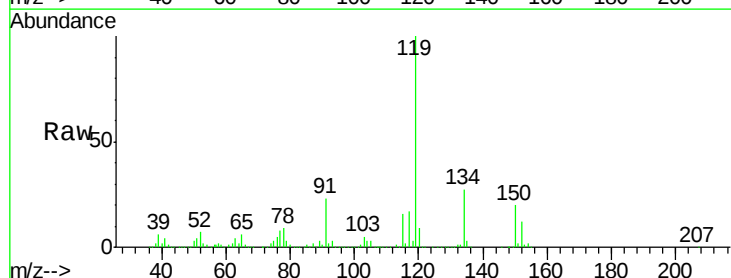
Tgt Ion:119 Resp: 243946

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 23.0 11.9 35.7



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

250000

200000

150000

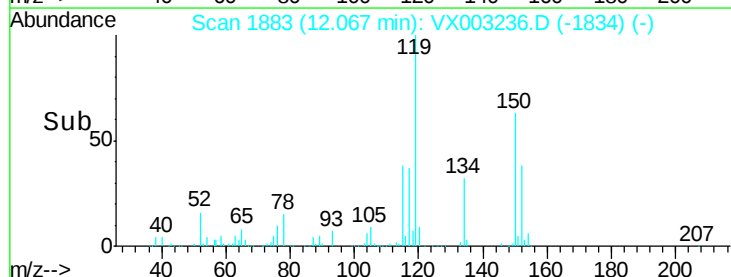
100000

50000

0

12.00 12.07 12.10

Time-->





#87

1,3-Dichlorobenzene

Concen: 22.79 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

Instrument :

MSVOA_X

ClientSampleId :

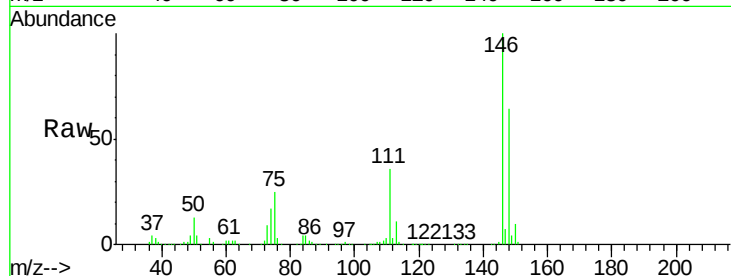
Tot Ion:146 Resp: 142171

Ion Ratio Lower Upper

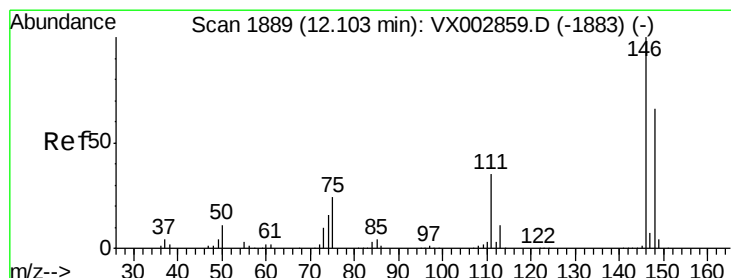
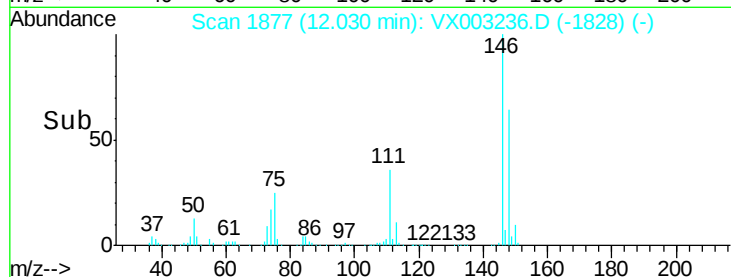
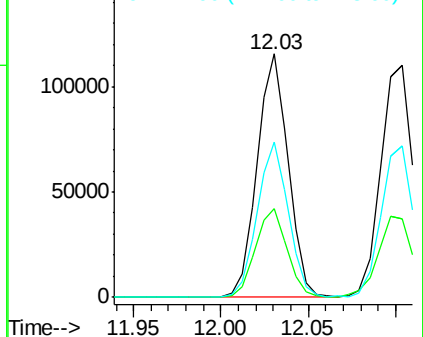
146 100

111 37.0 18.9 56.7

148 63.9 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 22.17 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX003236.D

Acq: 07 Jul 2018 02:00

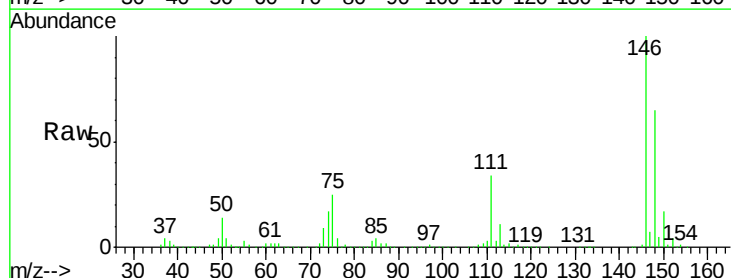
Tgt Ion:146 Resp: 142358

Ion Ratio Lower Upper

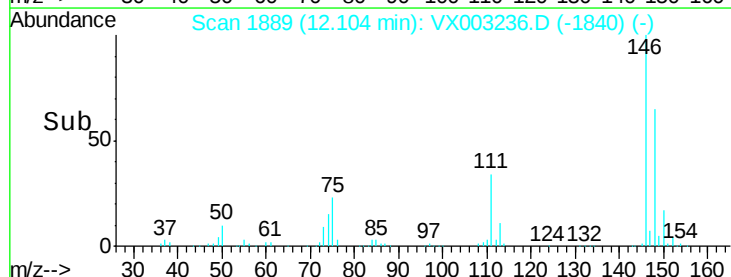
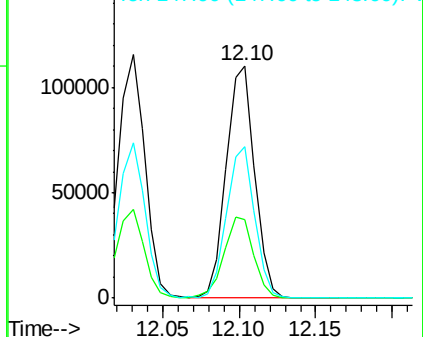
146 100

111 36.8 18.7 56.1

148 64.5 32.4 97.0



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

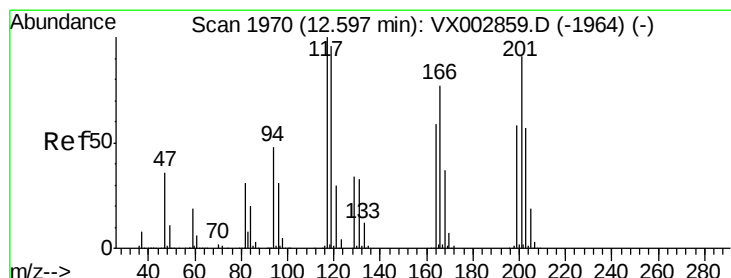
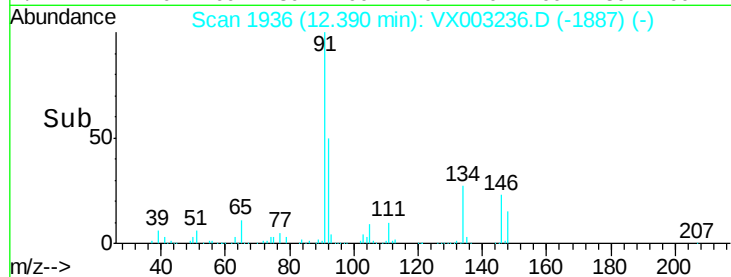
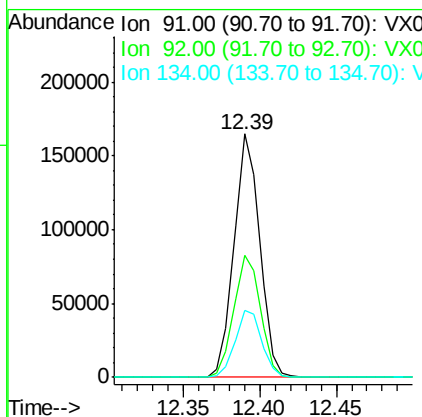
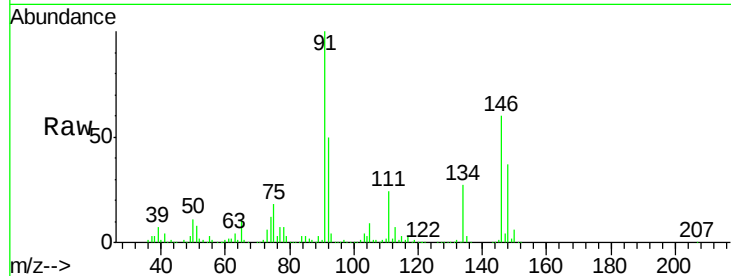




#89
n-Butylbenzene
Concen: 20.35 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

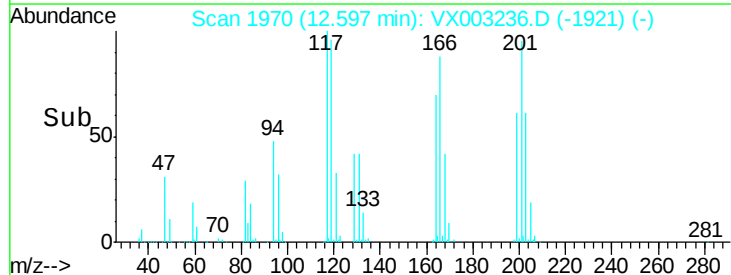
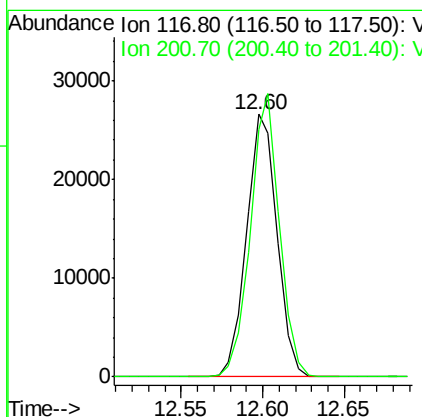
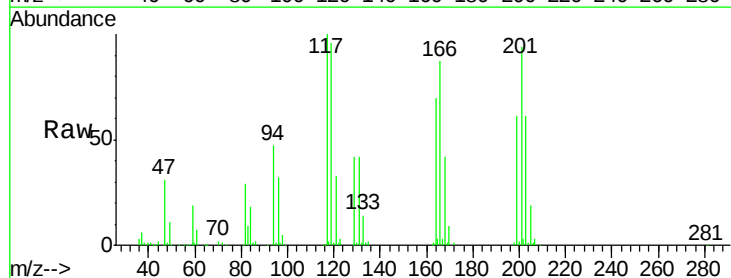
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 91 Resp: 192353
Ion Ratio Lower Upper
91 100
92 51.7 26.0 78.0
134 28.4 13.5 40.5



#90
Hexachloroethane
Concen: 21.46 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion: 117 Resp: 34661
Ion Ratio Lower Upper
117 100
201 102.3 49.0 147.0

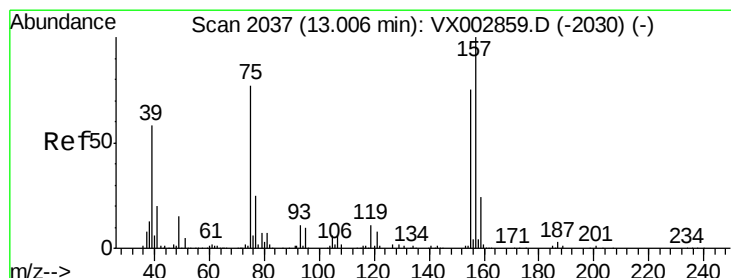
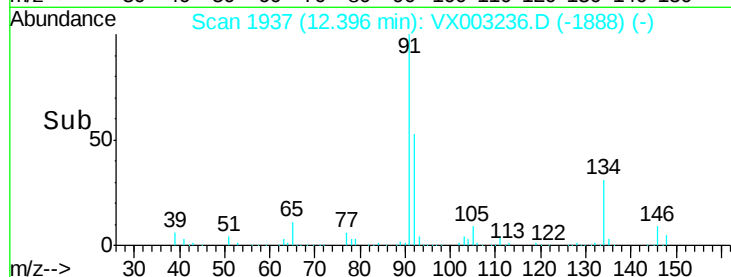
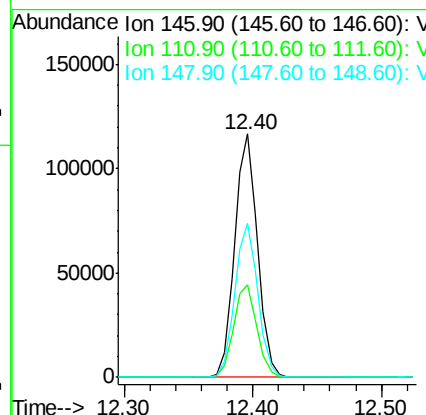
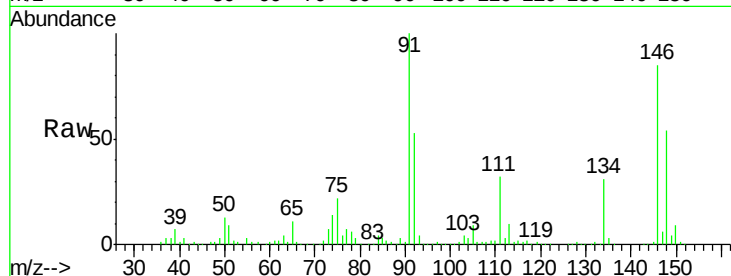




#91
 1,2-Dichlorobenzene
 Concen: 23.04 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

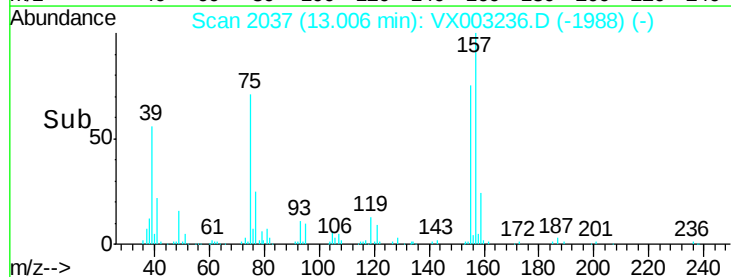
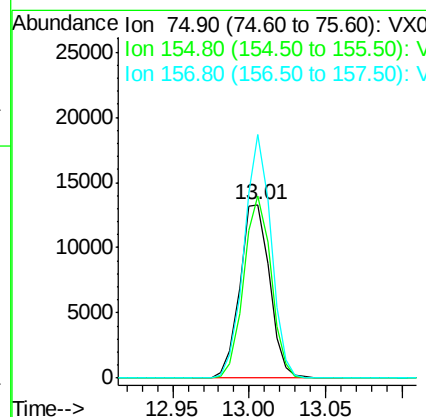
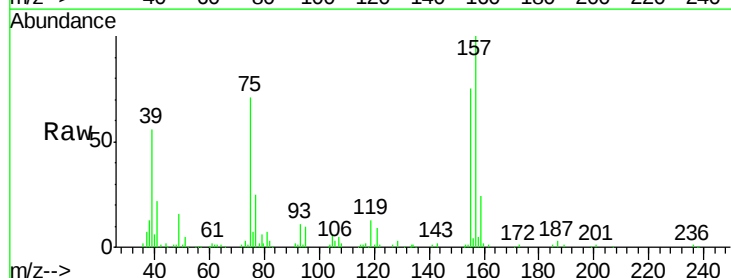
Instrument :
 MSVOA_X
 ClientSampleId :

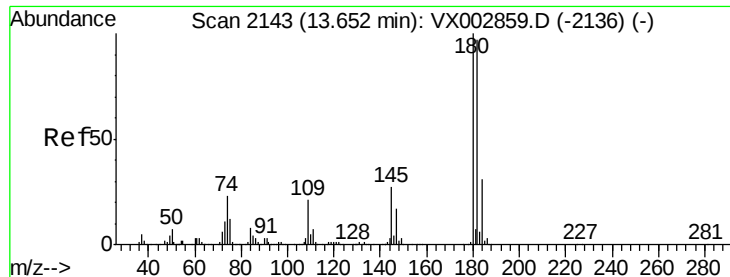
Tot Ion:146 Resp: 145084
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.4 58.1
 148 63.9 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.62 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Tgt Ion: 75 Resp: 17955
 Ion Ratio Lower Upper
 75 100
 155 95.9 45.8 137.4
 157 126.3 60.1 180.3

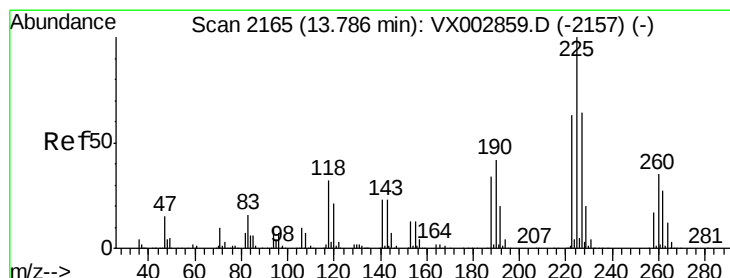
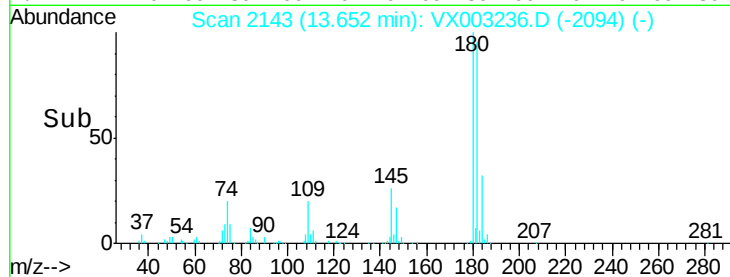
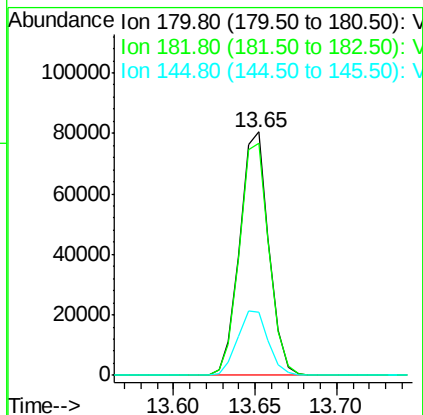
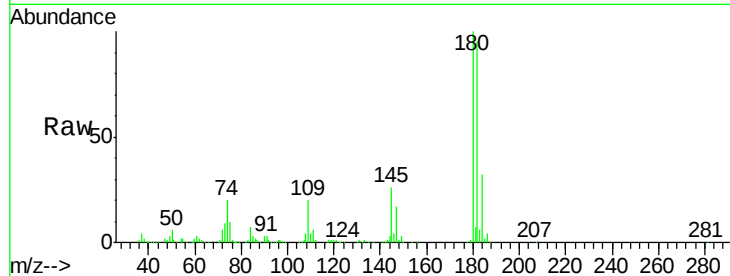




#93
 1,2,4-Trichlorobenzene
 Concen: 21.83 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

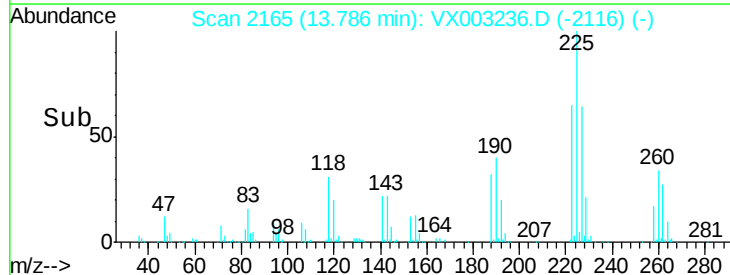
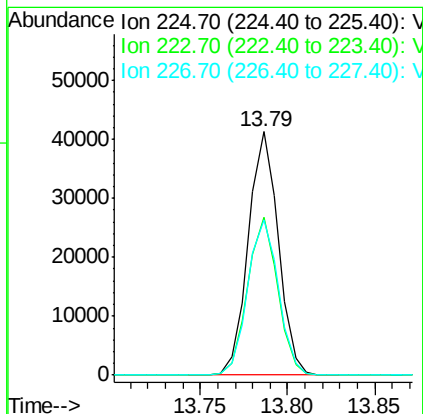
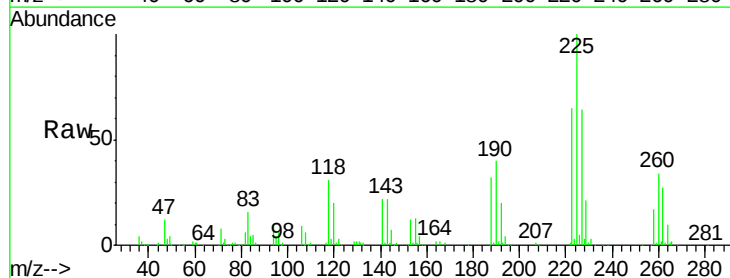
Instrument :
 MSVOA_X
 ClientSampleId :

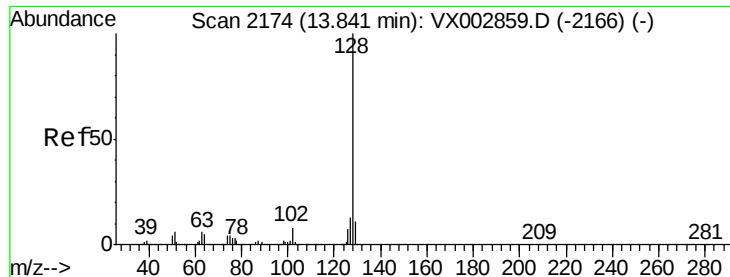
Tot Ion:180 Resp: 100041
 Ion Ratio Lower Upper
 180 100
 182 97.0 47.7 143.1
 145 27.8 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 21.50 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003236.D
 Acq: 07 Jul 2018 02:00

Tgt Ion:225 Resp: 49153
 Ion Ratio Lower Upper
 225 100
 223 65.0 31.6 95.0
 227 65.3 32.4 97.2

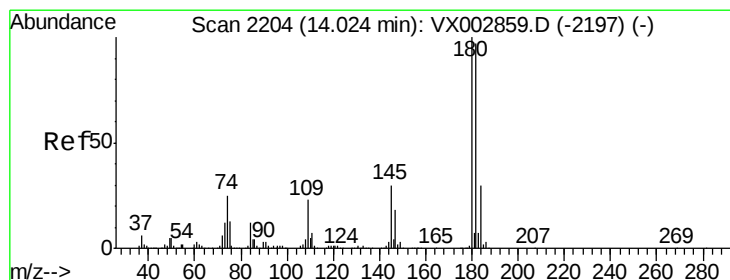
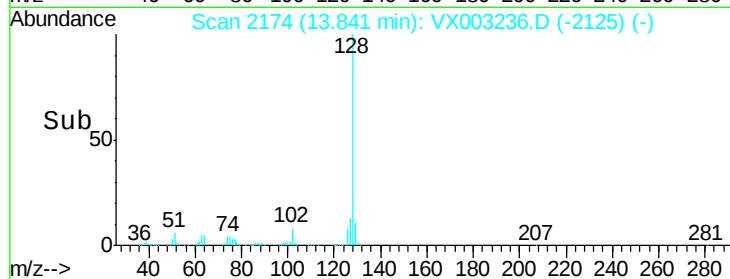
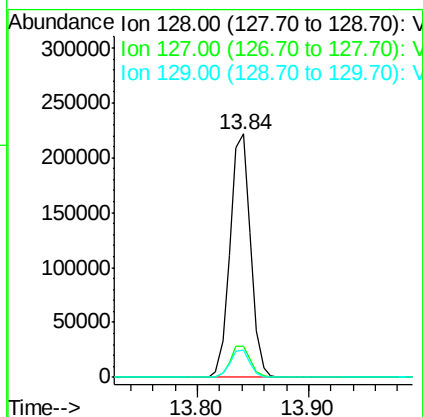
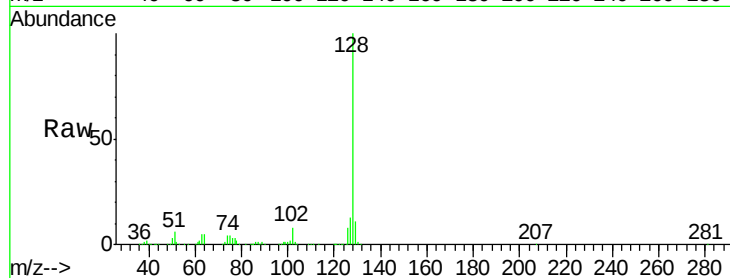




#95
Naphthalene
Concen: 23.03 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 281082
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 22.68 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003236.D
Acq: 07 Jul 2018 02:00

Tgt Ion:180 Resp: 103824
Ion Ratio Lower Upper
180 100
182 95.9 48.0 144.0
145 29.3 14.8 44.3

