

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062918\
 Data File : VX003044.D
 Acq On : 29 Jun 2018 22:30
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 30 02:31:38 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	274466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	374170	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	360025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	227062	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	187204	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
35) Dibromofluoromethane	5.51	113	154819	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
50) Toluene-d8	8.72	98	548110	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	11.14	95	210774	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	149502	61.07	ug/l	97
3) Chloromethane	1.32	50	149493	58.97	ug/l	98
4) Vinyl Chloride	1.40	62	163459	52.66	ug/l	97
5) Bromomethane	1.64	94	74745	51.68	ug/l	100
6) Chloroethane	1.72	64	102011	56.28	ug/l	99
7) Trichlorofluoromethane	1.92	101	256629	49.01	ug/l	98
8) Diethyl Ether	2.19	74	91285	47.96	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	143785	47.39	ug/l	98
10) Methyl Iodide	2.51	142	148012	48.34	ug/l	98
11) Tert butyl alcohol	3.09	59	181502	240.17	ug/l	100
12) 1,1-Dichloroethene	2.37	96	132241	48.85	ug/l	96
13) Acrolein	2.30	56	95867	229.17	ug/l	98
14) Allyl chloride	2.73	41	254249	47.65	ug/l	96
15) Acrylonitrile	3.15	53	409826	253.89	ug/l	99
16) Acetone	2.45	43	372683	237.22	ug/l	96
17) Carbon Disulfide	2.57	76	357343	49.55	ug/l	98
18) Methyl Acetate	2.78	43	198533	45.20	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	463856	47.67	ug/l	99
20) Methylene Chloride	2.86	84	147230	48.16	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	139930	47.46	ug/l	93
22) Diisopropyl ether	3.88	45	507558	49.76	ug/l	98
23) Vinyl Acetate	3.83	43	2224432	257.56	ug/l	99
24) 1,1-Dichloroethane	3.70	63	269697	48.65	ug/l	99
25) 2-Butanone	4.71	43	609469	261.39	ug/l	99
26) 2,2-Dichloropropane	4.59	77	166274	36.89	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	166455	50.36	ug/l	91
28) Bromochloromethane	5.02	49	131356	49.50	ug/l	92
29) Tetrahydrofuran	5.17	42	395194	264.31	ug/l	97
30) Chloroform	5.22	83	287166	50.48	ug/l	97
31) Cyclohexane	5.57	56	236780	49.77	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	255162	50.98	ug/l	98
36) 1,1-Dichloropropene	5.80	75	206642	50.36	ug/l	99
37) Ethyl Acetate	4.87	43	236866	53.61	ug/l	99
38) Carbon Tetrachloride	5.78	117	230104	51.10	ug/l	96

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 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	227222	47.54	ug/l	98
40) Benzene	6.15	78	611784	51.31	ug/l	100
41) Methacrylonitrile	5.07	41	133171	52.35	ug/l	98
42) 1,2-Dichloroethane	6.20	62	234063	48.60	ug/l	99
43) Isopropyl Acetate	6.47	43	370881	50.05	ug/l	98
44) Trichloroethene	7.21	130	180249	50.71	ug/l	100
45) 1,2-Dichloropropane	7.52	63	161692	51.13	ug/l	99
46) Dibromomethane	7.67	93	110322	50.27	ug/l	96
47) Bromodichloromethane	7.90	83	213070	52.51	ug/l	98
48) Methyl methacrylate	7.78	41	196230	51.40	ug/l	96
49) 1,4-Dioxane	7.76	88	80157	1079.15	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1234722	266.34	ug/l	98
52) Toluene	8.79	92	392869	51.44	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	234810	51.10	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	217415	49.17	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	162814	51.88	ug/l	98
56) Ethyl methacrylate	9.18	69	244437	53.29	ug/l	95
57) 1,3-Dichloropropane	9.38	76	264362	51.29	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	580760	262.45	ug/l	98
59) 2-Hexanone	9.50	43	944651	268.12	ug/l	97
60) Dibromochloromethane	9.59	129	176474	53.41	ug/l	99
61) 1,2-Dibromoethane	9.68	107	171822	52.19	ug/l	100
64) Tetrachloroethene	9.34	164	201319	50.29	ug/l	97
65) Chlorobenzene	10.14	112	452673	49.50	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	171508	51.63	ug/l	99
67) Ethyl Benzene	10.26	91	766886	50.77	ug/l	99
68) m/p-Xylenes	10.36	106	599577	102.99	ug/l	100
69) o-Xylene	10.70	106	291083	51.35	ug/l	98
70) Styrene	10.71	104	490229	53.22	ug/l	99
71) Bromoform	10.86	173	139535	46.76	ug/l	99
73) Isopropylbenzene	11.02	105	781697	51.17	ug/l	99
74) N-amyl acetate	6.47	43	370881	49.62	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	241802	51.39	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	273828	66.58	ug/l	80
77) Bromobenzene	11.26	156	218557	50.24	ug/l	97
78) n-propylbenzene	11.37	91	882404	50.75	ug/l	99
79) 2-Chlorotoluene	11.43	91	531372	50.48	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	656003	50.99	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	60838	43.39	ug/l	100
82) 4-Chlorotoluene	11.51	91	626821	50.30	ug/l	99
83) tert-Butylbenzene	11.77	119	640726	50.53	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	682076	51.17	ug/l	99
85) sec-Butylbenzene	11.95	105	762057	49.54	ug/l	99
86) p-Isopropyltoluene	12.07	119	690793	49.95	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	396397	49.89	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	400152	48.94	ug/l	99
89) n-Butylbenzene	12.39	91	572863	47.59	ug/l	98
90) Hexachloroethane	12.60	117	101248	49.22	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	402433	50.19	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	55406	52.38	ug/l	96

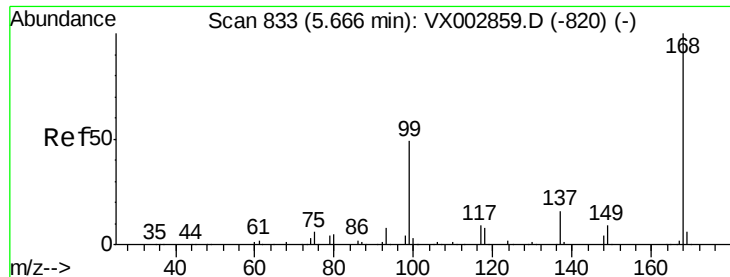
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	288526	49.44	ug/l	99
94) Hexachlorobutadiene	13.79	225	140071	48.12	ug/l	99
95) Naphthalene	13.83	128	837474	53.88	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	291969	50.09	ug/l	99

(#) = 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: VX003044.D

Acq: 29 Jun 2018 22:30

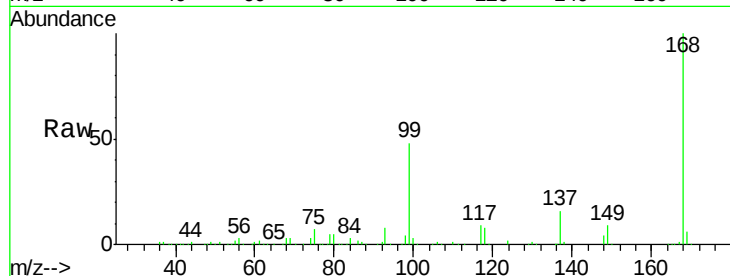
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 274466

Ion Ratio Lower Upper

168 100

99 48.0 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

100000

80000

60000

40000

20000

0

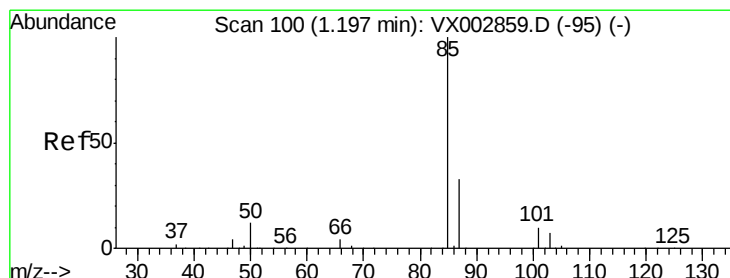
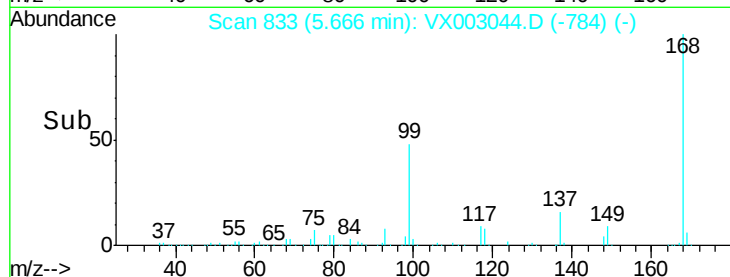
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 61.07 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003044.D

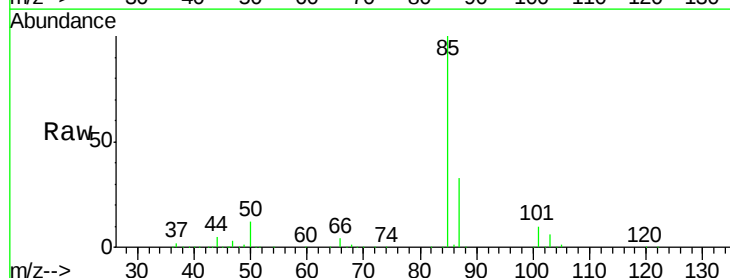
Acq: 29 Jun 2018 22:30

Tgt Ion: 85 Resp: 149502

Ion Ratio Lower Upper

85 100

87 33.3 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

150000

100000

50000

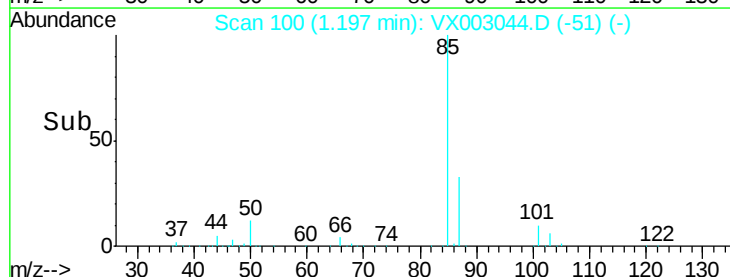
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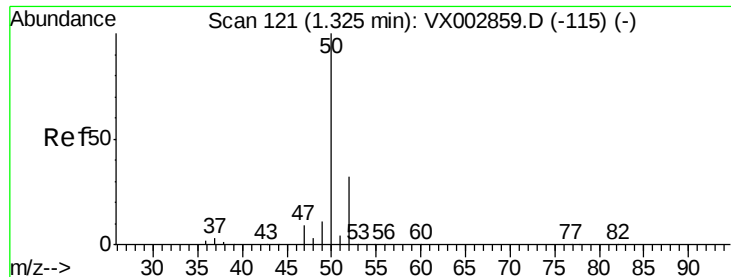
Time-->

1.10

1.20

1.30





#3

Chloromethane

Concen: 58.97 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :

MSVOA_X

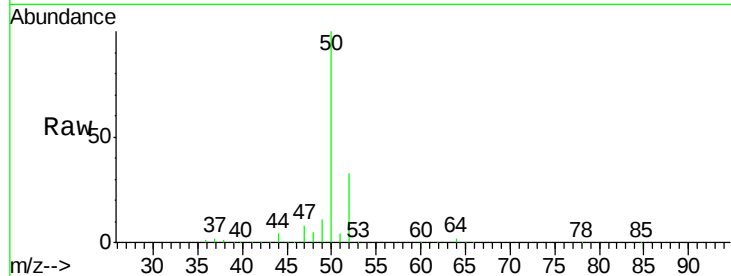
ClientSampled :

Tot Ion: 50 Resp: 149493

Ion Ratio Lower Upper

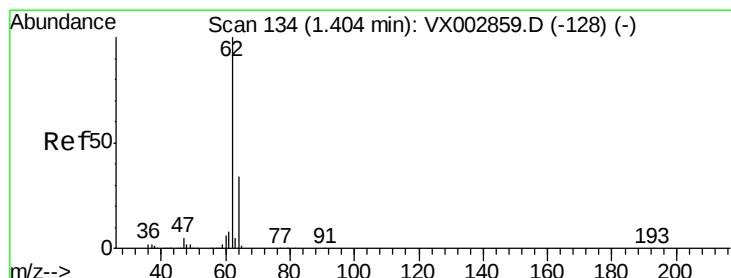
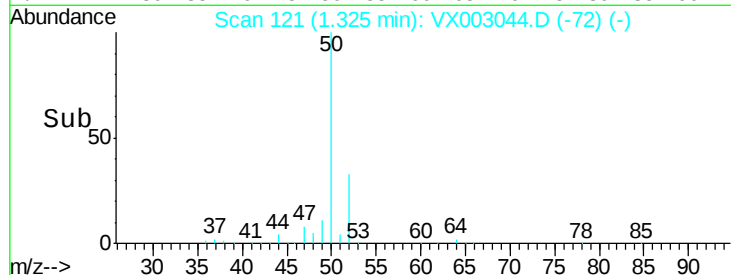
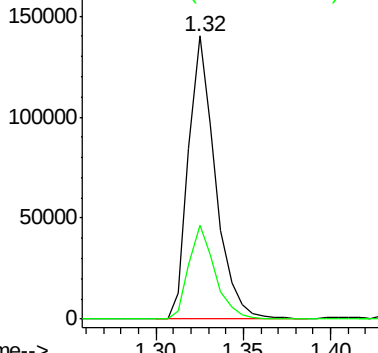
50 100

52 33.1 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: 52.66 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003044.D

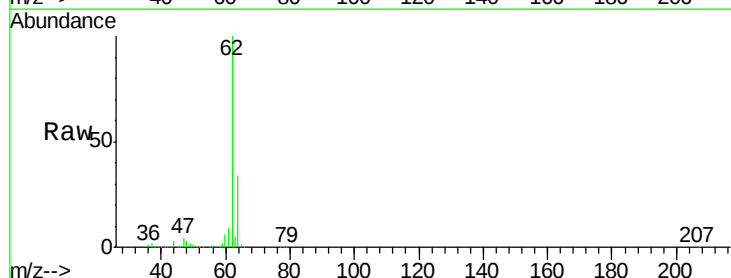
Acq: 29 Jun 2018 22:30

Tgt Ion: 62 Resp: 163459

Ion Ratio Lower Upper

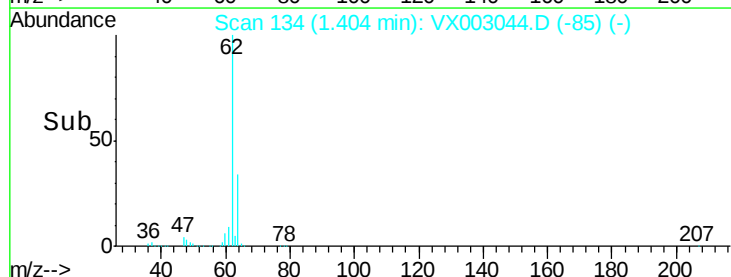
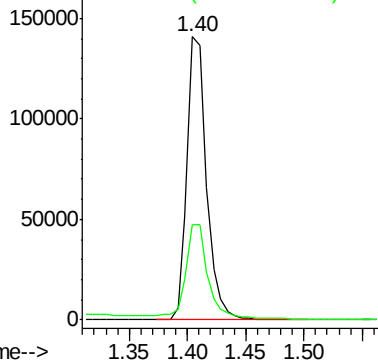
62 100

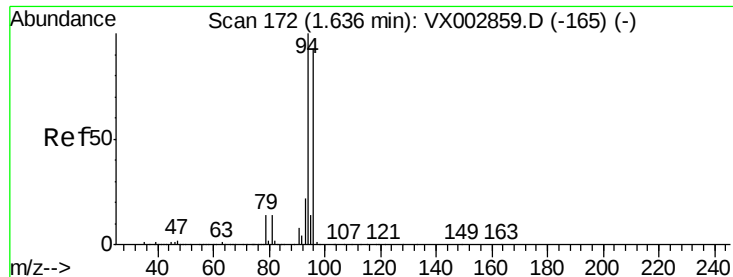
64 33.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 51.68 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :

MSVOA_X

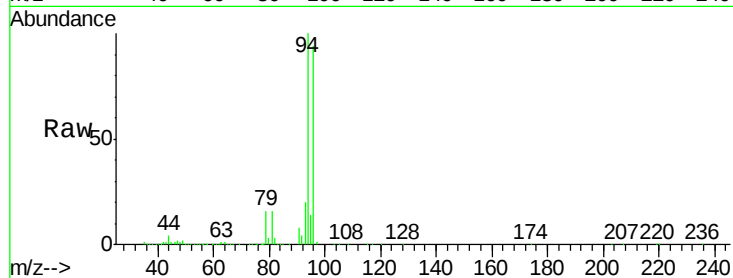
ClientSampleId :

Tot Ion: 94 Resp: 74745

Ion Ratio Lower Upper

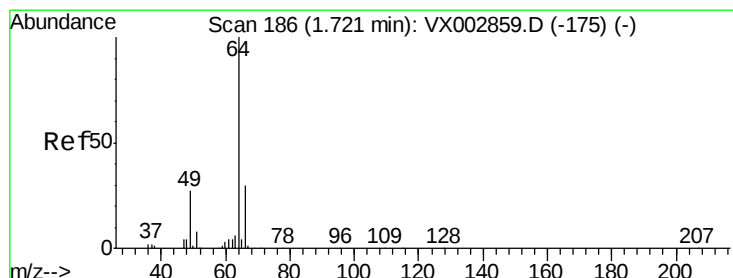
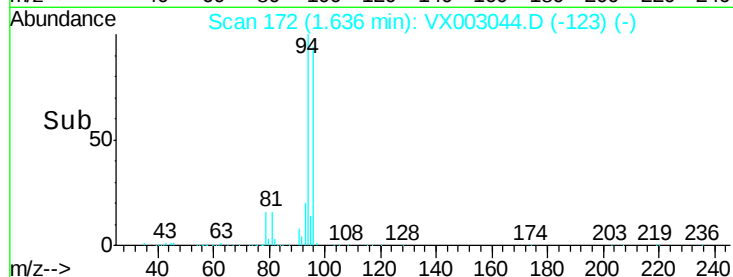
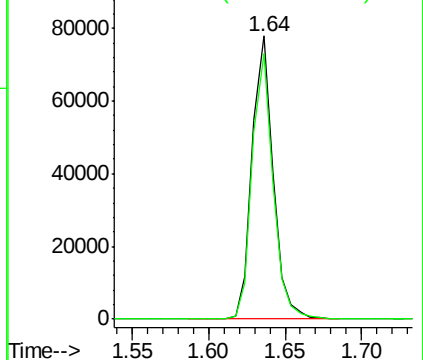
94 100

96 93.9 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: 56.28 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX003044.D

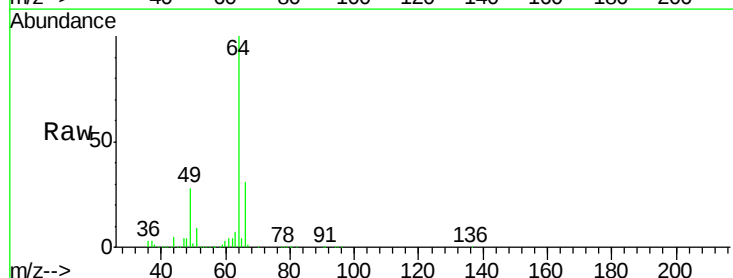
Acq: 29 Jun 2018 22:30

Tgt Ion: 64 Resp: 102011

Ion Ratio Lower Upper

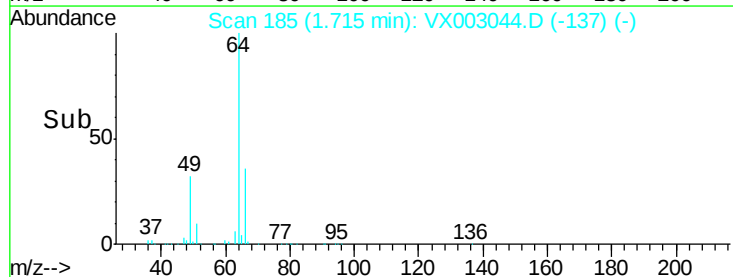
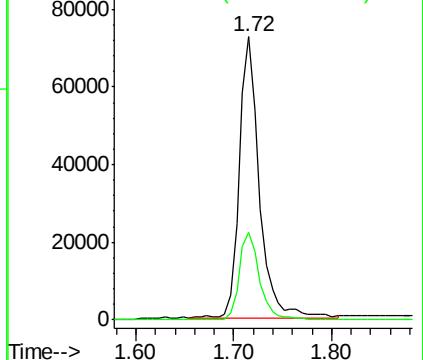
64 100

66 31.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



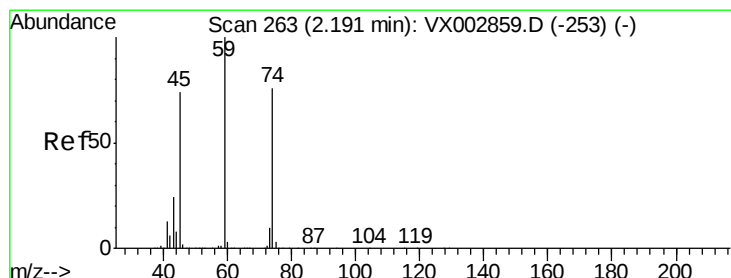
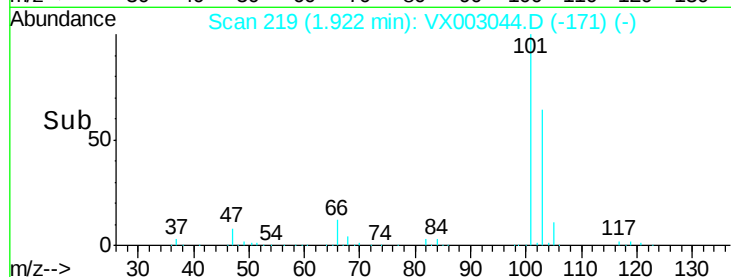
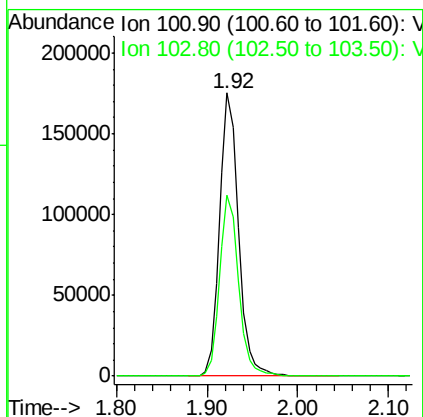
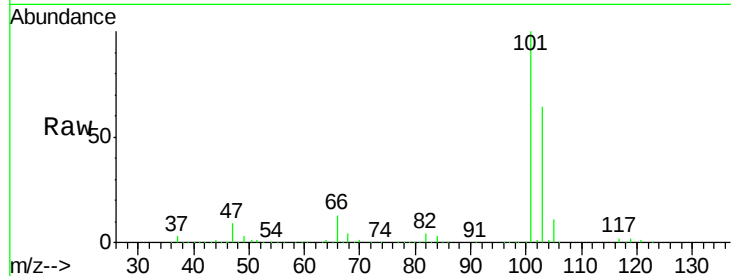


#7

Trichlorofluoromethane
Concen: 49.01 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

Instrument :
MSVOA_X
ClientSampleId :

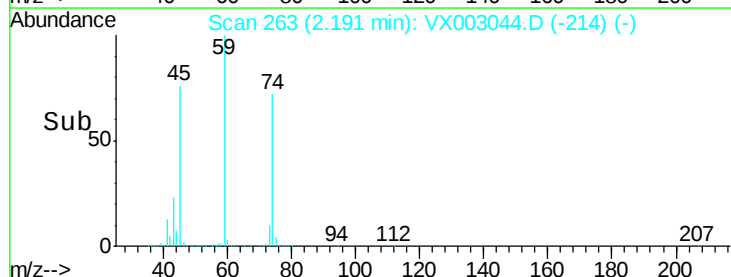
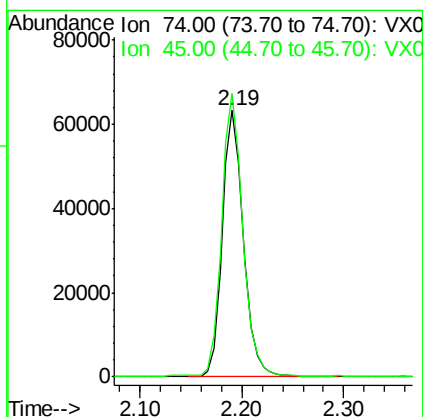
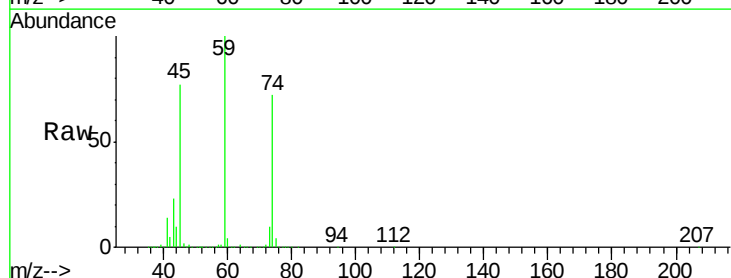
Tot Ion:101 Resp: 256629
Ion Ratio Lower Upper
101 100
103 64.1 52.8 79.2



#8

Diethyl Ether
Concen: 47.96 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

Tgt Ion: 74 Resp: 91285
Ion Ratio Lower Upper
74 100
45 105.7 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.39 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :

MSVOA_X

ClientSampleId :

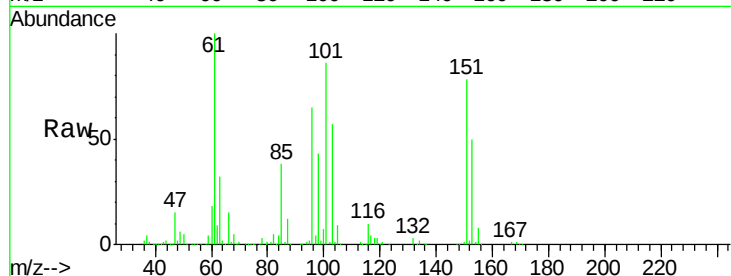
Tot Ion:101 Resp: 143785

Ion Ratio Lower Upper

101 100

85 43.8 36.0 54.0

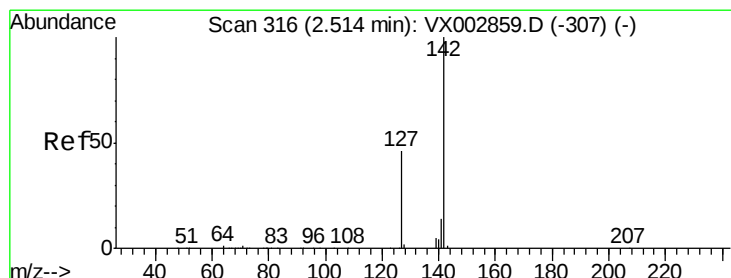
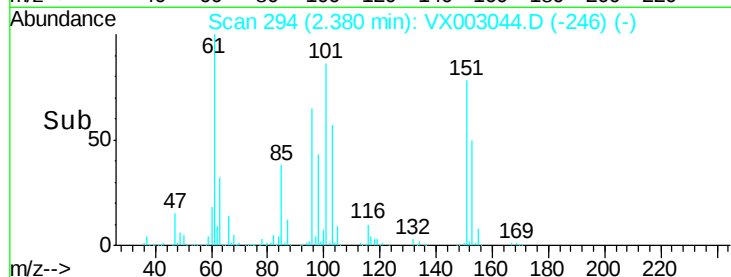
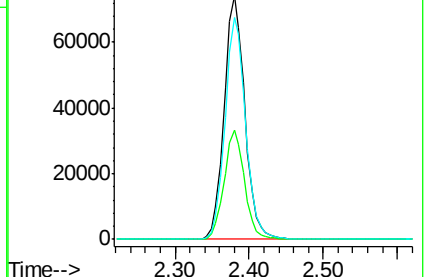
151 90.5 70.9 106.3



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: 48.34 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

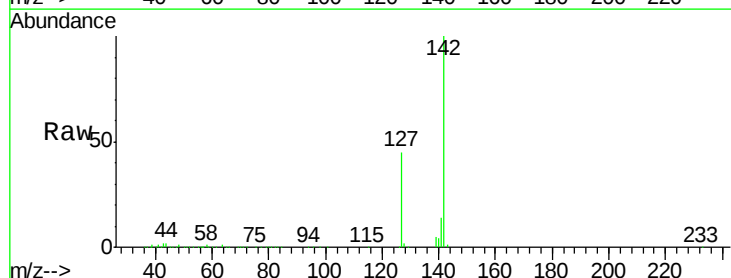
Tgt Ion:142 Resp: 148012

Ion Ratio Lower Upper

142 100

127 44.3 36.6 55.0

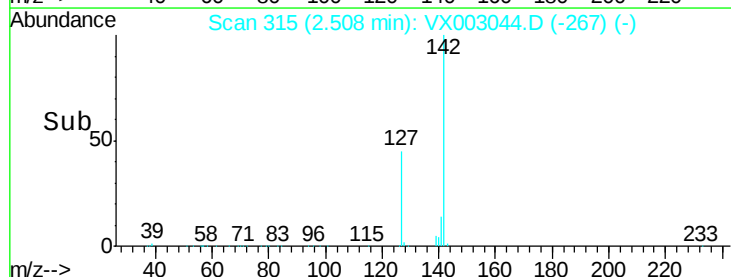
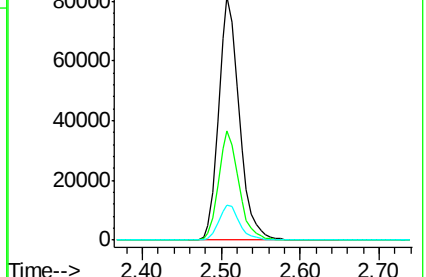
141 14.5 11.3 16.9

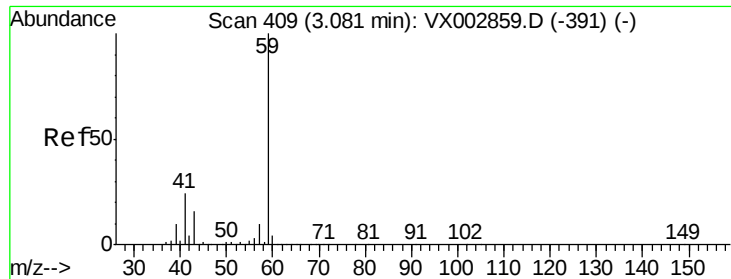


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



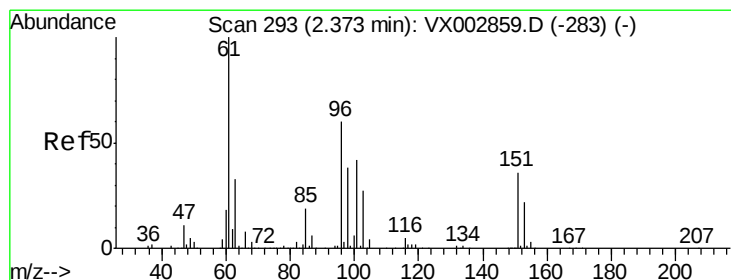
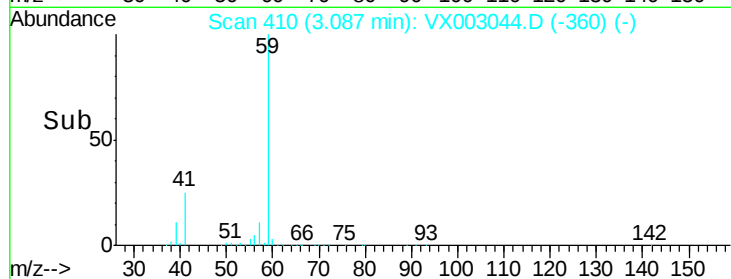
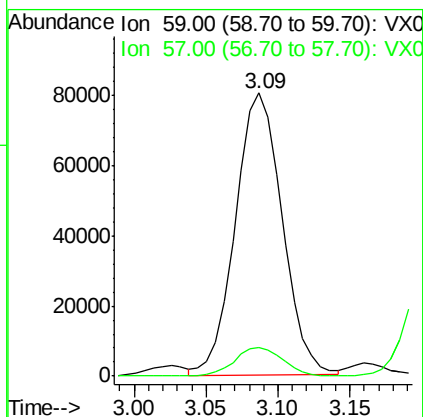
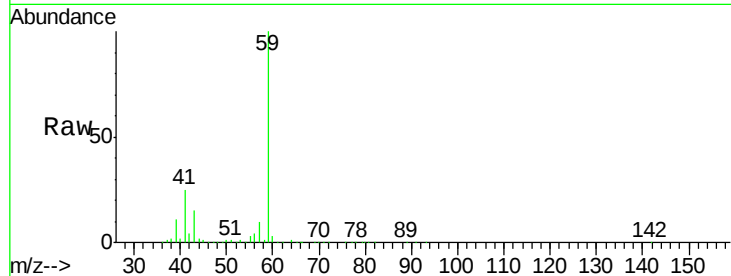


#11

Tert butyl alcohol
Concen: 240.17 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

Instrument :
MSVOA_X
ClientSampleId :

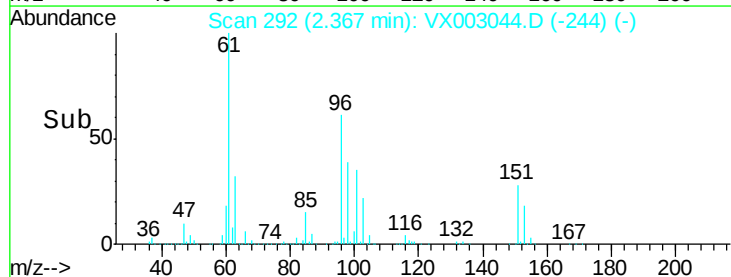
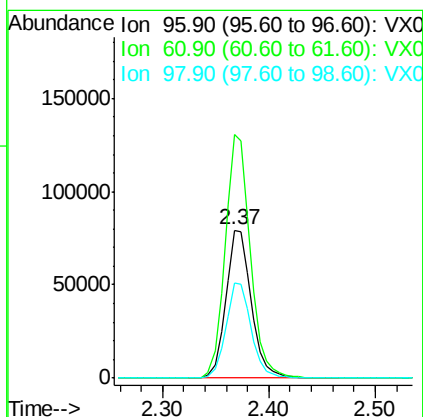
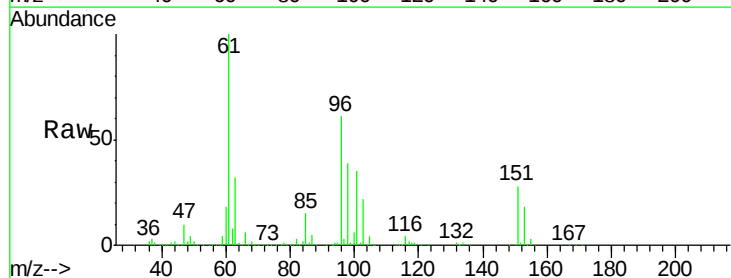
Tot Ion: 59 Resp: 181502
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2

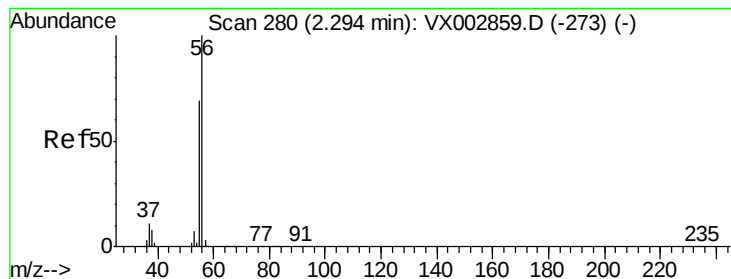


#12

1,1-Dichloroethene
Concen: 48.85 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

Tgt Ion: 96 Resp: 132241
Ion Ratio Lower Upper
96 100
61 164.9 137.9 206.9
98 64.8 51.6 77.4





#13

Acrolein

Concen: 229.17 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :

MSVOA_X

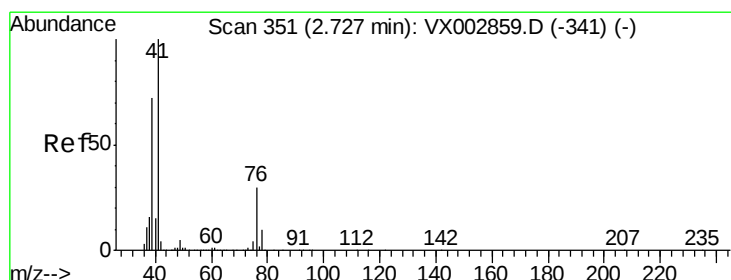
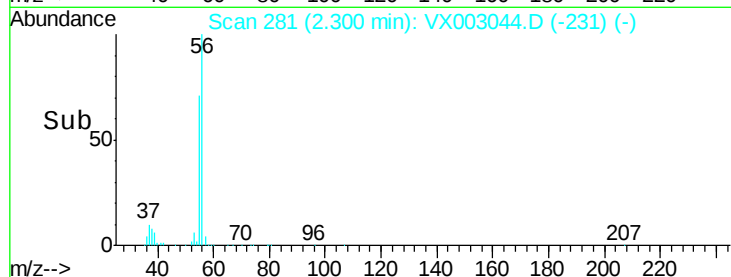
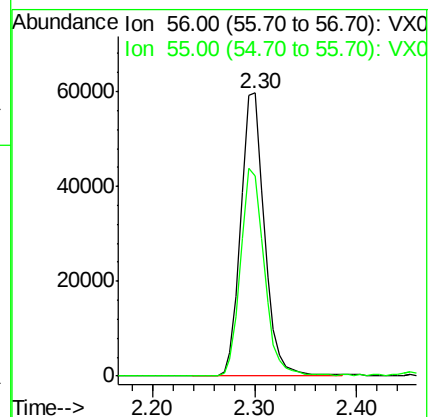
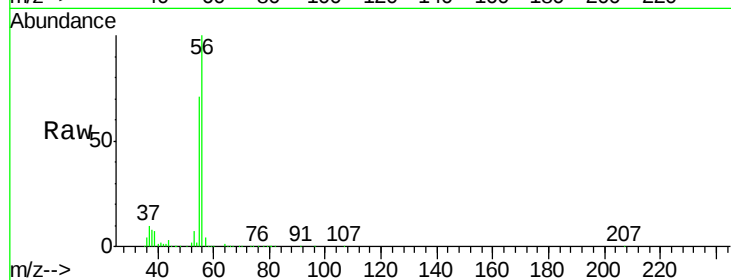
ClientSampleId :

Tot Ion: 56 Resp: 95867

Ion Ratio Lower Upper

56 100

55 72.6 57.0 85.4



#14

Allyl chloride

Concen: 47.65 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

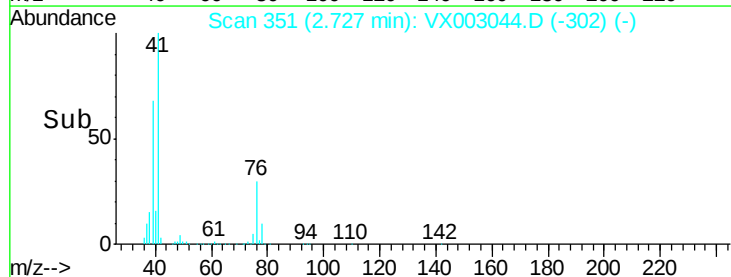
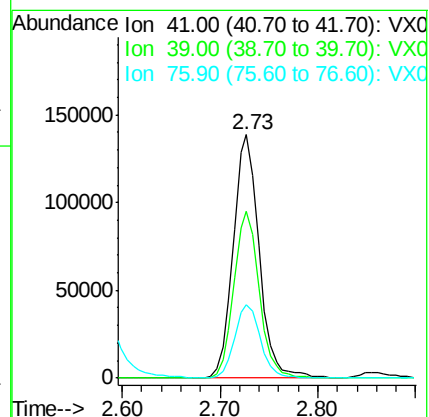
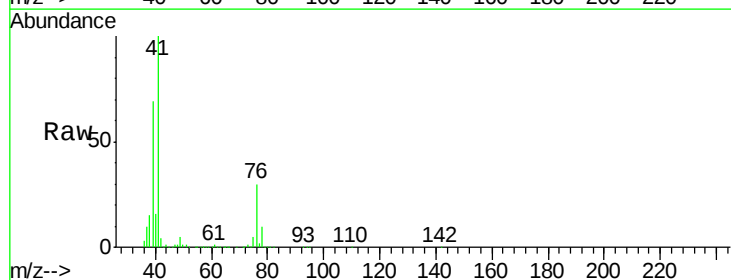
Tgt Ion: 41 Resp: 254249

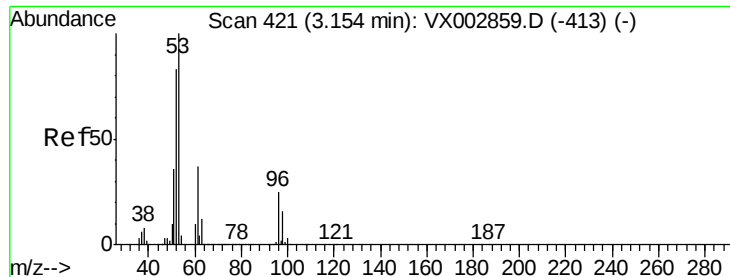
Ion Ratio Lower Upper

41 100

39 67.2 56.8 85.2

76 30.4 23.8 35.8





#15

Acrylonitrile

Concen: 253.89 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :
MSVOA_X
ClientSampled :

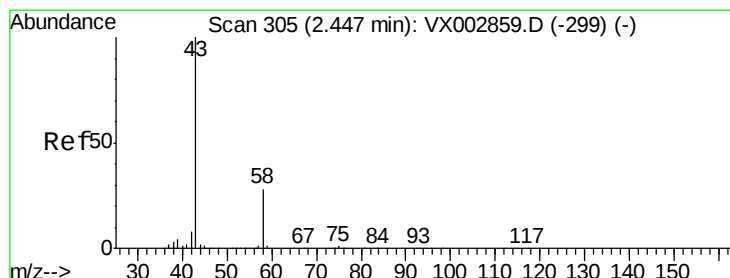
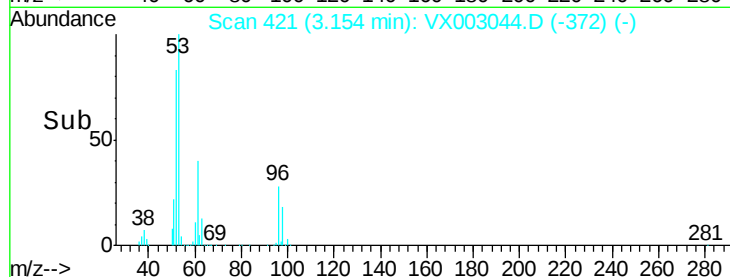
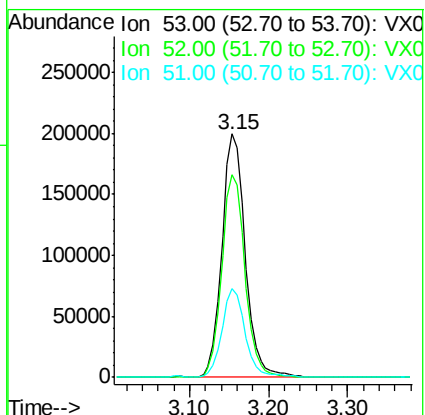
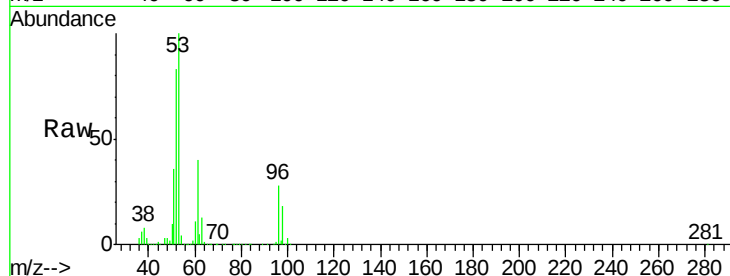
Tot Ion: 53 Resp: 409826

Ion Ratio Lower Upper

53 100

52 82.8 66.7 100.1

51 36.6 29.9 44.9



#16

Acetone

Concen: 237.22 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003044.D

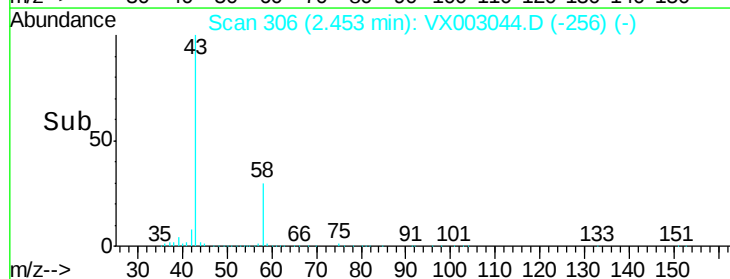
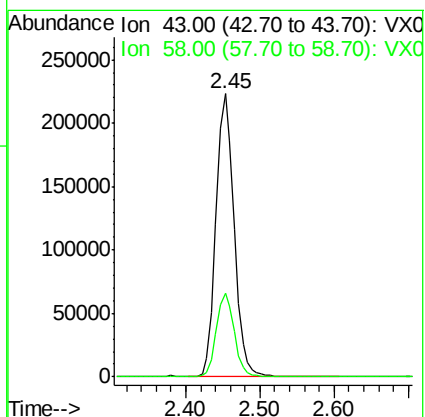
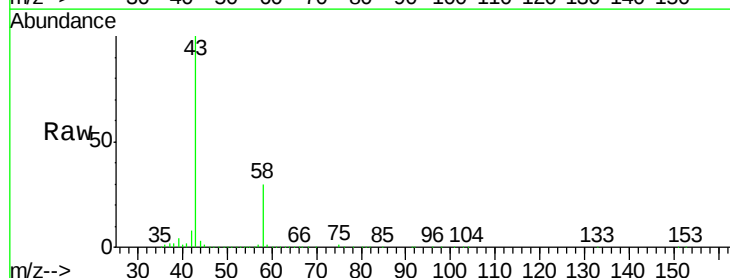
Acq: 29 Jun 2018 22:30

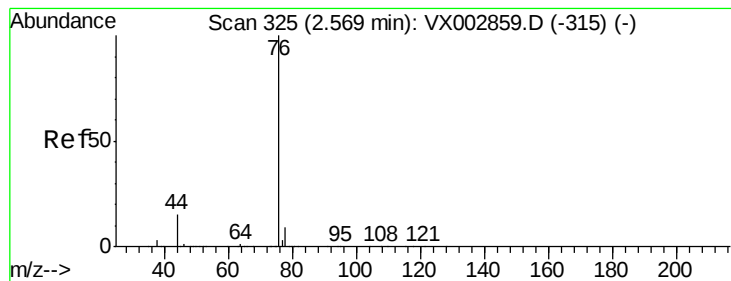
Tgt Ion: 43 Resp: 372683

Ion Ratio Lower Upper

43 100

58 29.7 22.1 33.1





#17

Carbon Disulfide

Concen: 49.55 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :

MSVOA_X

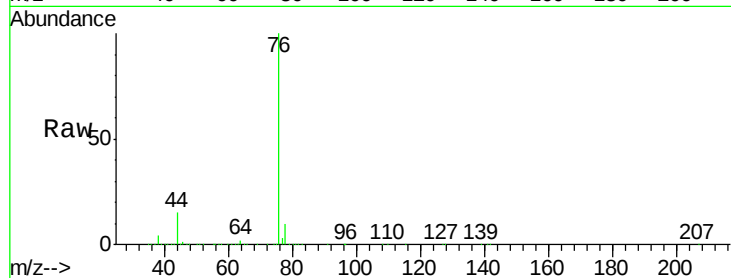
ClientSampled :

Tot Ion: 76 Resp: 357343

Ion Ratio Lower Upper

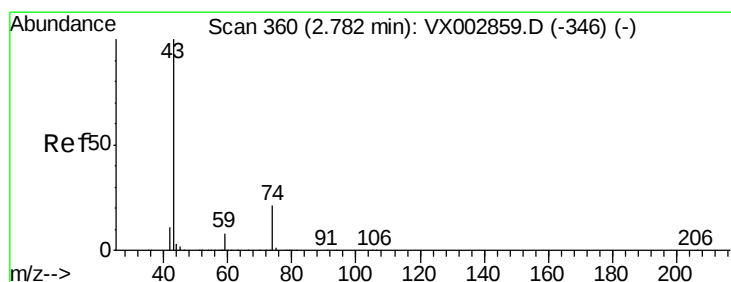
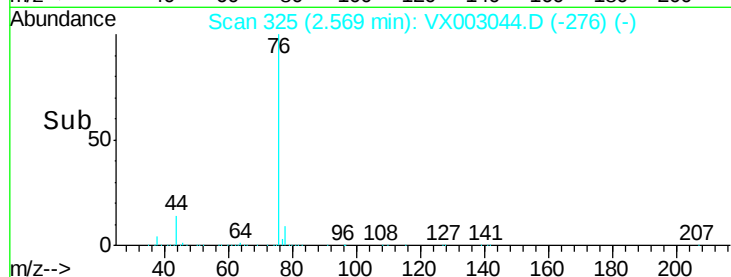
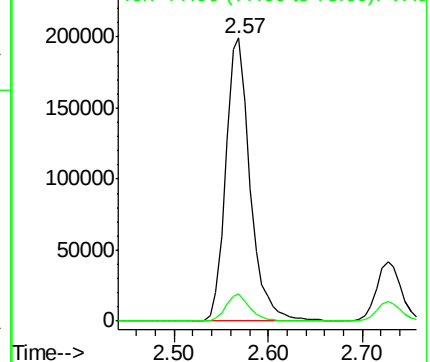
76 100

78 9.5 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: 45.20 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003044.D

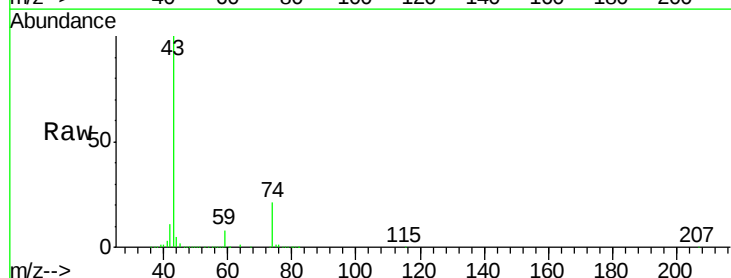
Acq: 29 Jun 2018 22:30

Tgt Ion: 43 Resp: 198533

Ion Ratio Lower Upper

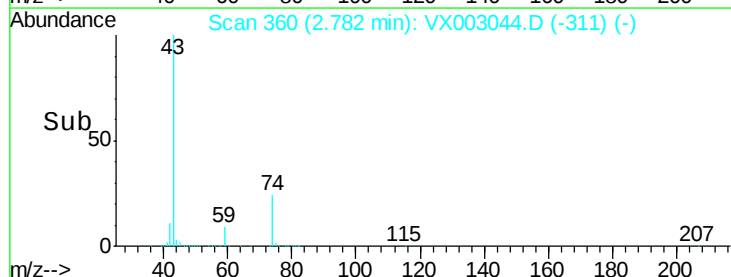
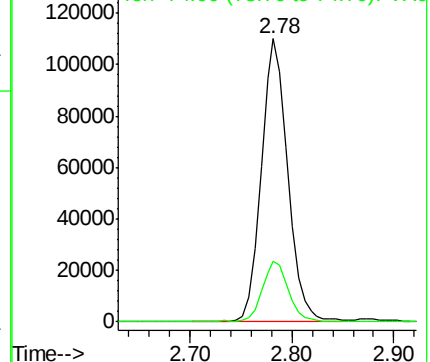
43 100

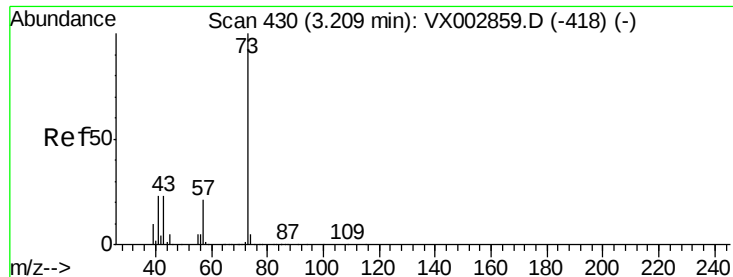
74 21.2 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



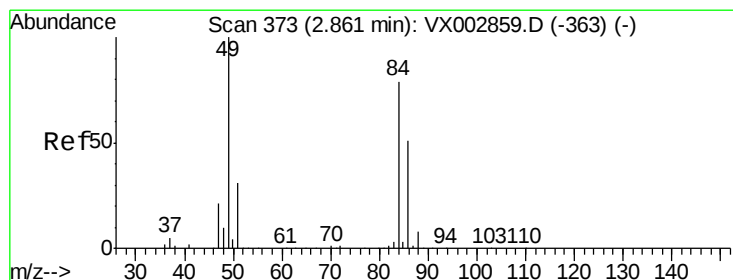
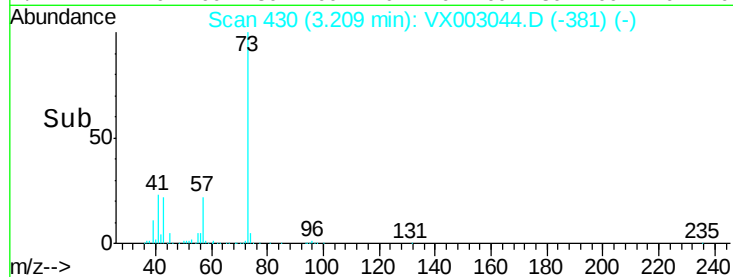
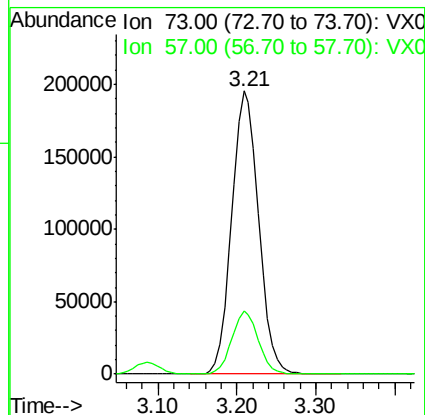
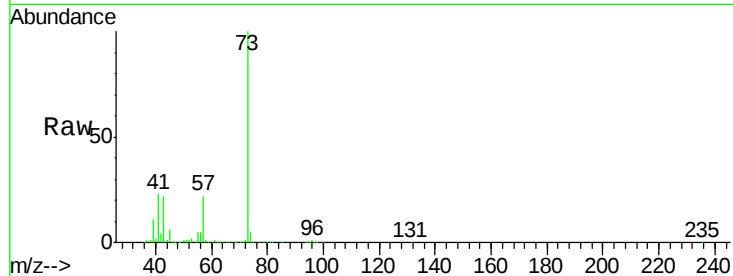


#19

Methyl tert-butyl Ether
 Concen: 47.67 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003044.D
 Acq: 29 Jun 2018 22:30

Instrument :
 MSVOA_X
 ClientSampleId :

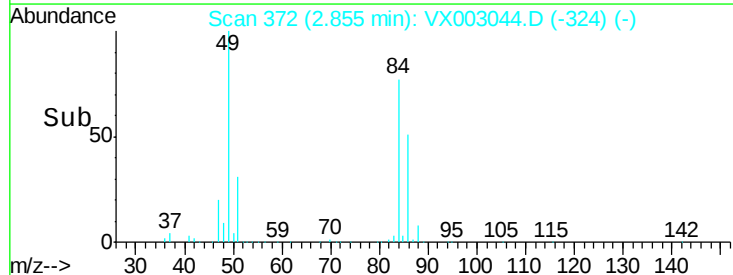
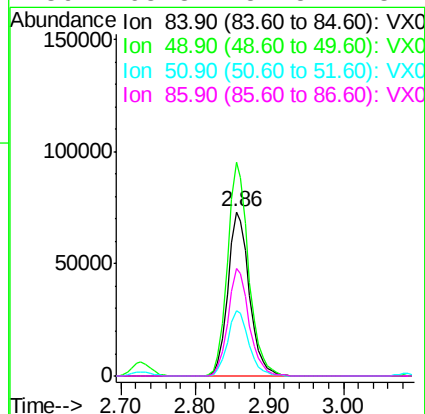
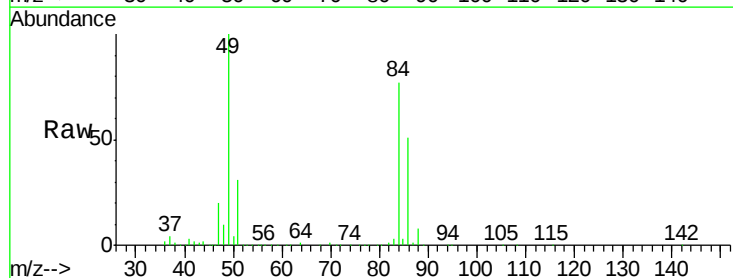
Tot Ion: 73 Resp: 463856
 Ion Ratio Lower Upper
 73 100
 57 22.4 17.7 26.5



#20

Methylene Chloride
 Concen: 48.16 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. -0.01 min
 Lab File: VX003044.D
 Acq: 29 Jun 2018 22:30

Tgt Ion: 84 Resp: 147230
 Ion Ratio Lower Upper
 84 100
 49 129.9 107.8 161.6
 51 39.9 32.8 49.2
 86 65.8 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 47.46 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :
MSVOA_X
ClientSampled :

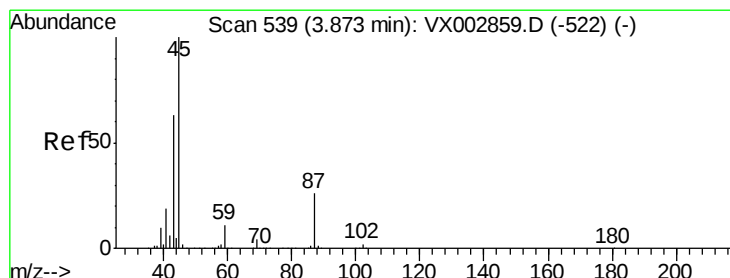
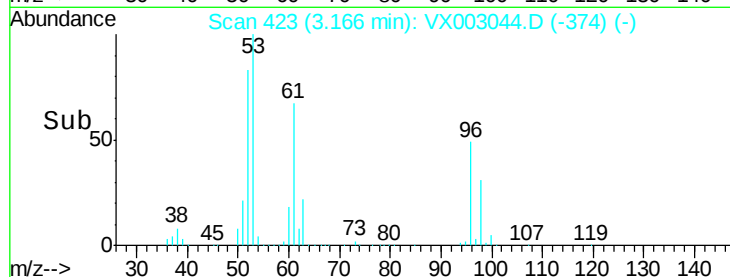
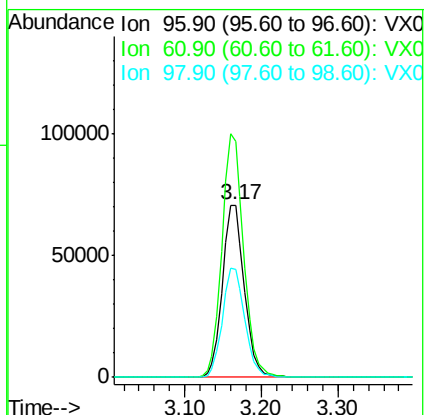
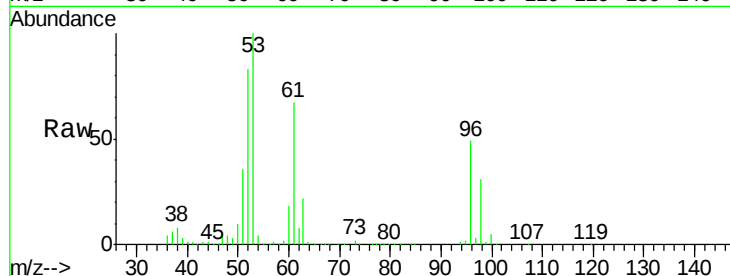
Tot Ion: 96 Resp: 139930

Ion Ratio Lower Upper

96 100

61 136.4 117.0 175.4

98 62.7 52.4 78.6



#22

Diisopropyl ether

Concen: 49.76 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Tgt Ion: 45 Resp: 507558

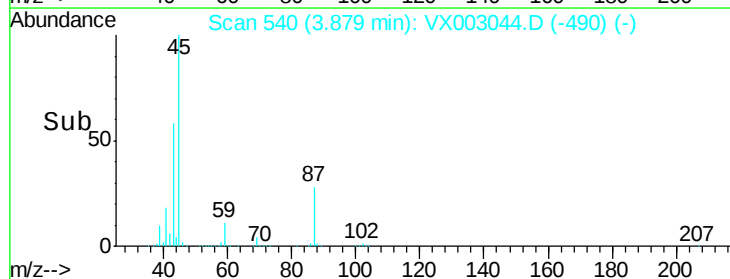
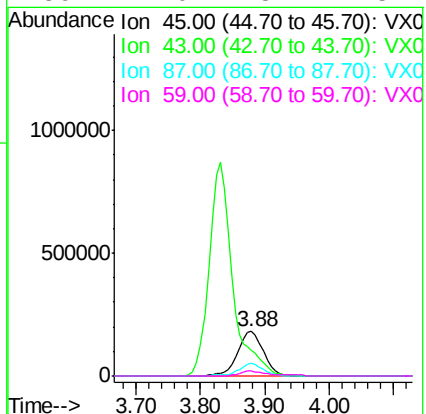
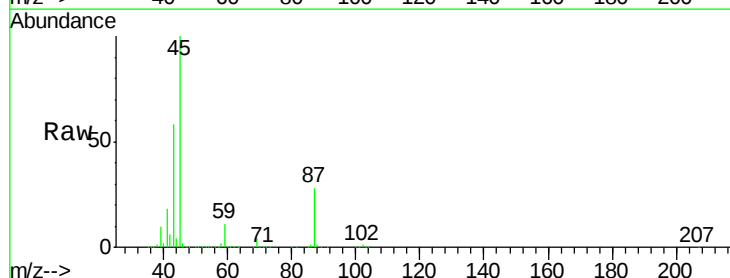
Ion Ratio Lower Upper

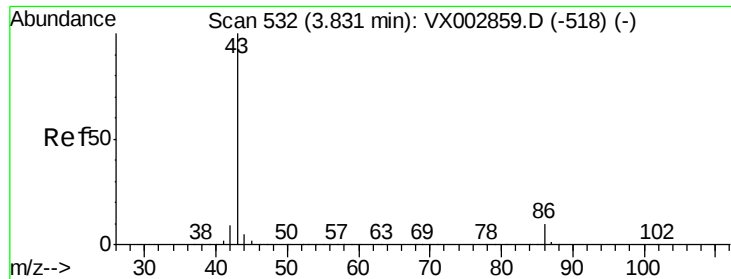
45 100

43 58.1 46.8 70.2

87 27.8 20.2 30.4

59 11.0 8.7 13.1





#23

Vinyl Acetate

Concen: 257.56 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :

MSVOA_X

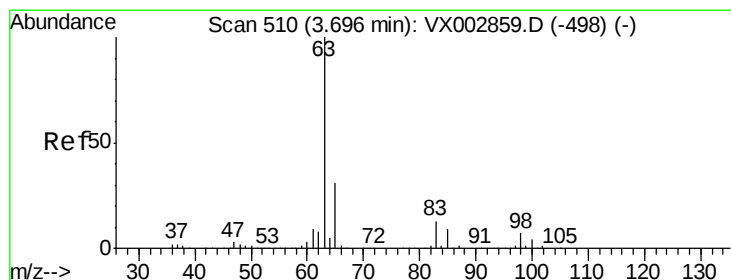
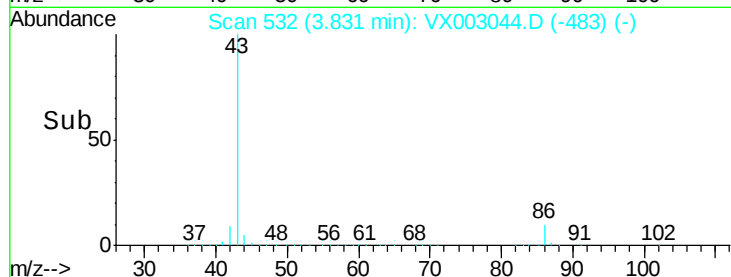
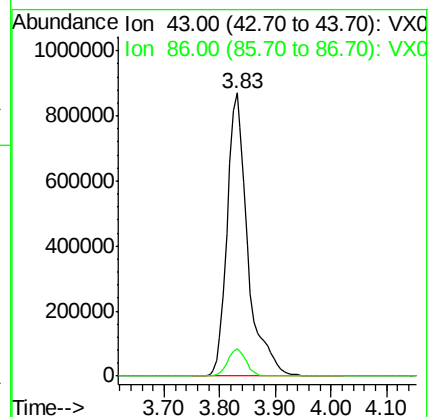
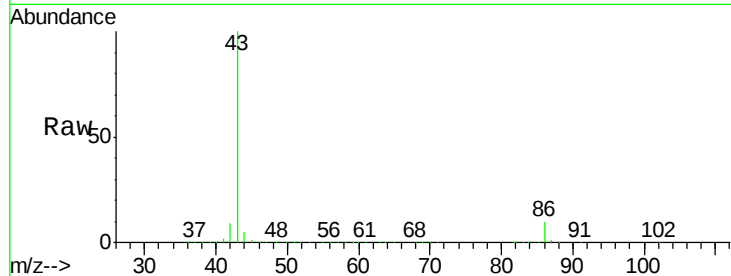
ClientSampleId :

Tot Ion: 43 Resp: 2224432

Ion Ratio Lower Upper

43 100

86 9.7 7.4 11.0



#24

1,1-Dichloroethane

Concen: 48.65 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

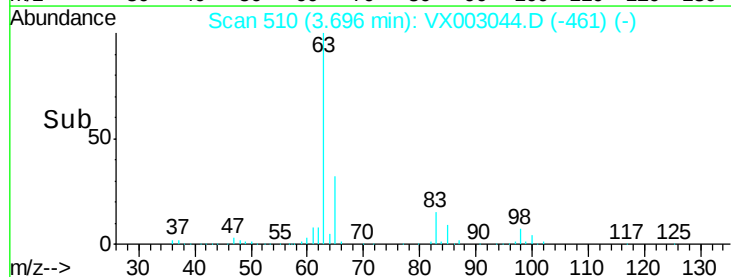
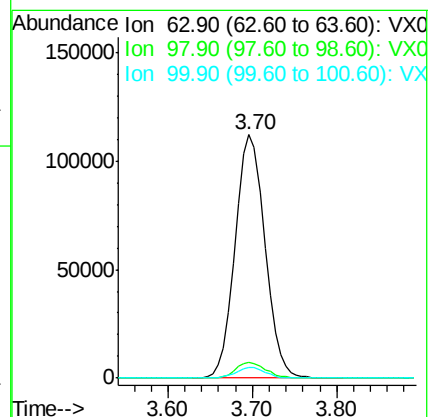
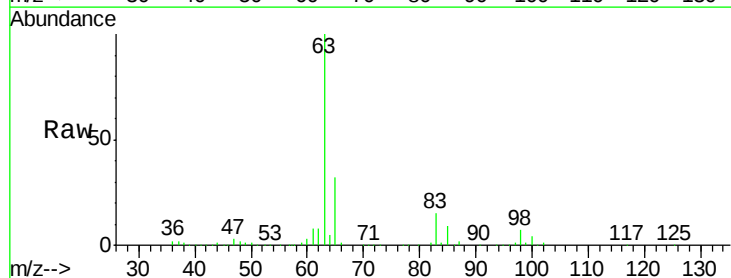
Tgt Ion: 63 Resp: 269697

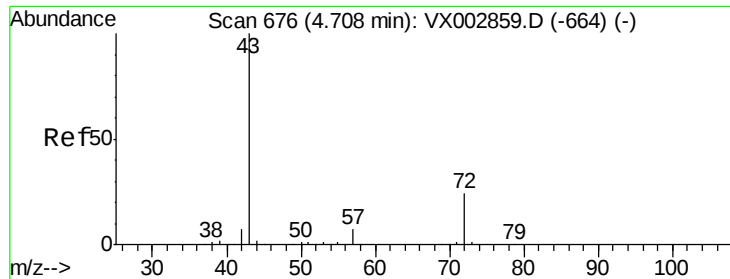
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 261.39 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :

MSVOA_X

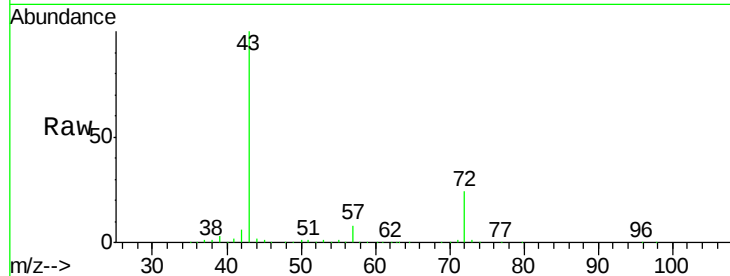
ClientSampleId :

Tot Ion: 43 Resp: 609469

Ion Ratio Lower Upper

43 100

72 23.7 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

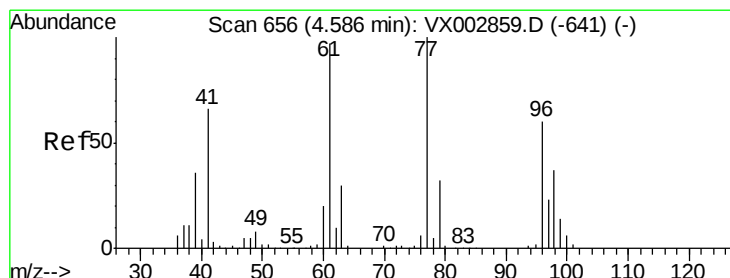
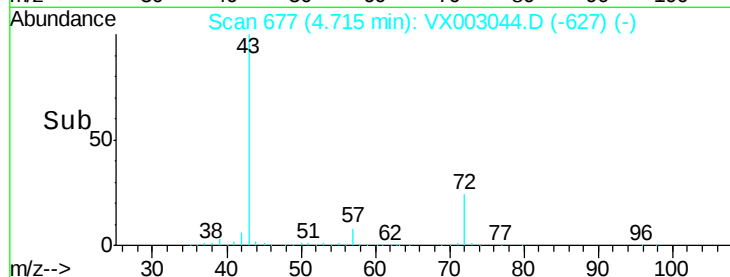
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 36.89 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003044.D

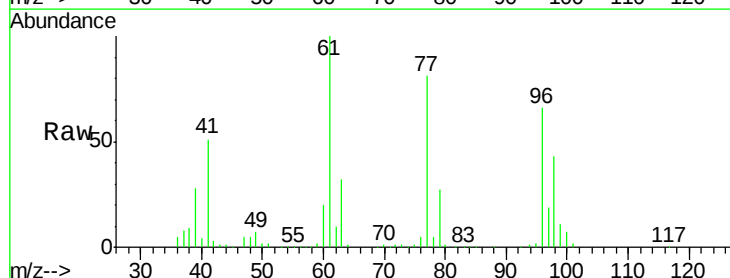
Acq: 29 Jun 2018 22:30

Tgt Ion: 77 Resp: 166274

Ion Ratio Lower Upper

77 100

97 24.2 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

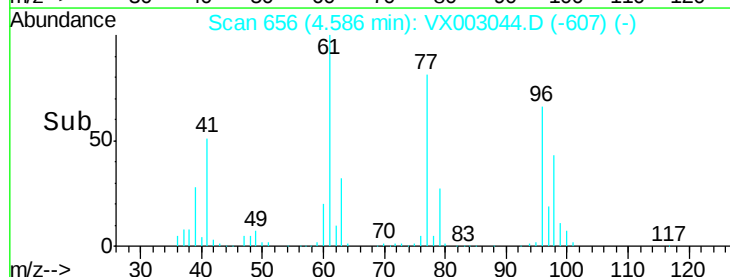
20000

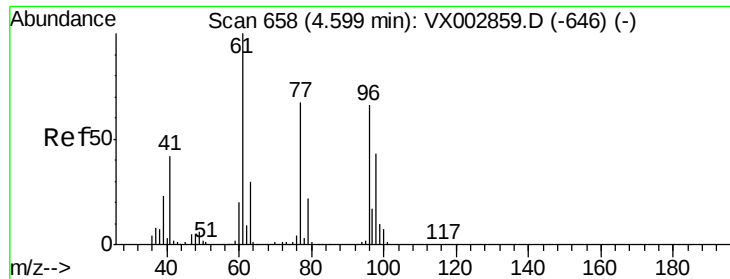
10000

0

4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.36 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :

MSVOA_X

ClientSampleId :

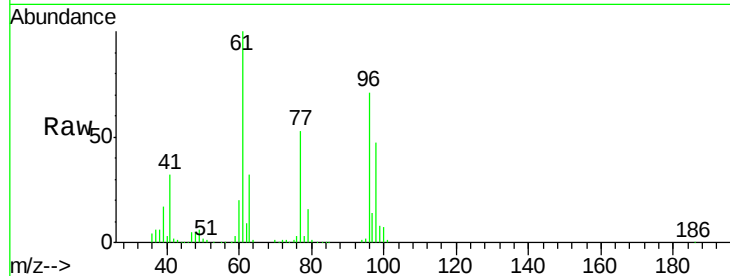
Tot Ion: 96 Resp: 166455

Ion Ratio Lower Upper

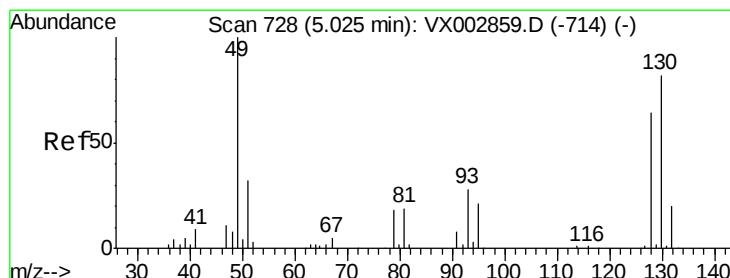
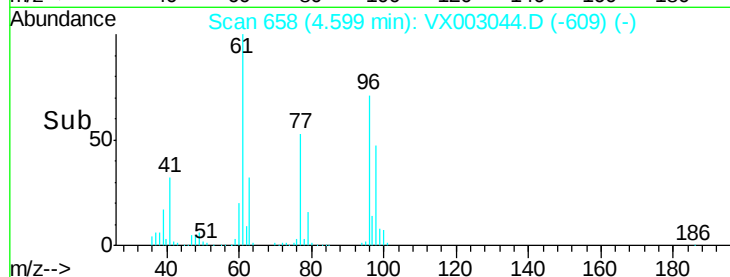
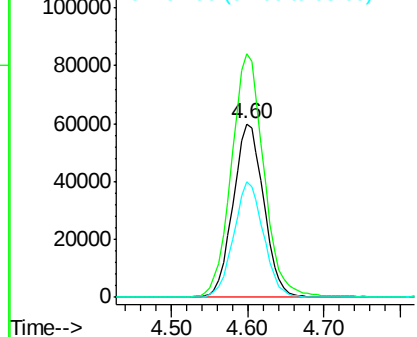
96 100

61 149.2 0.0 330.2

98 64.9 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: 49.50 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

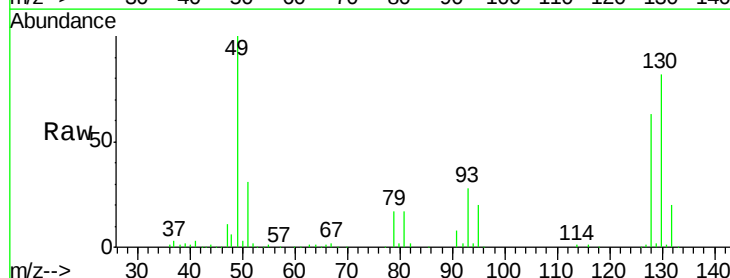
Tgt Ion: 49 Resp: 131356

Ion Ratio Lower Upper

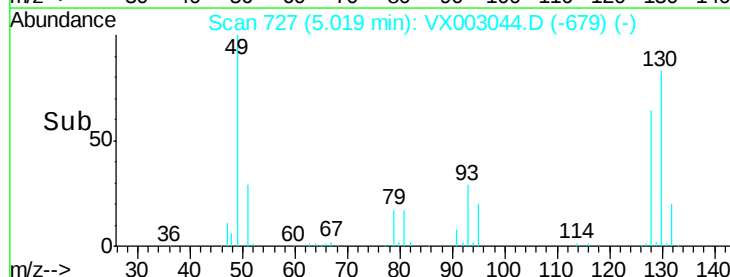
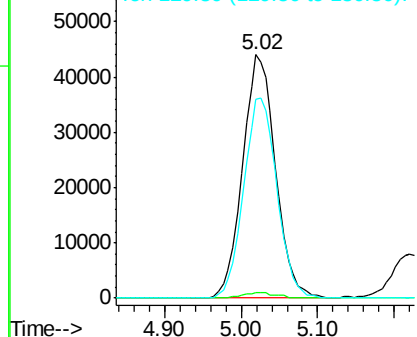
49 100

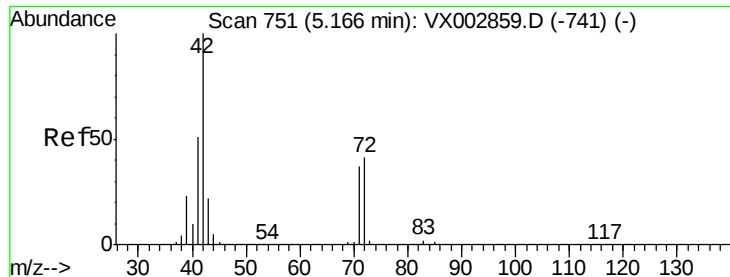
129 2.4 0.0 4.2

130 83.4 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

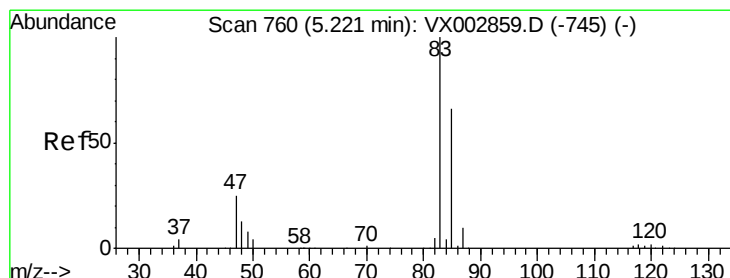
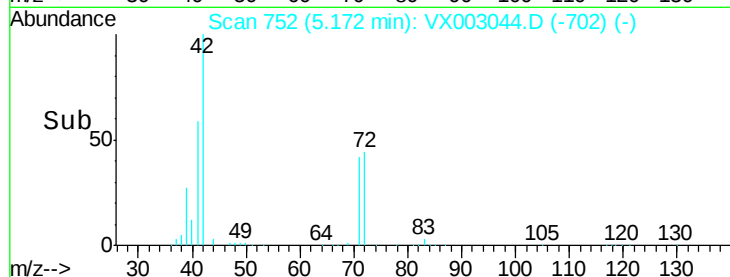
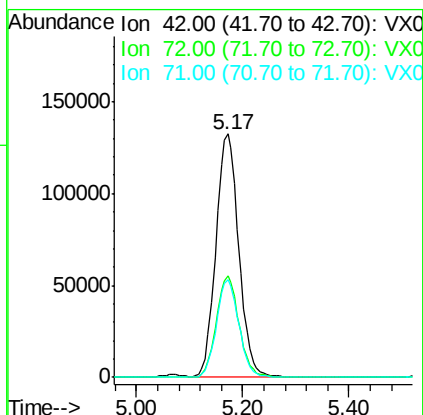
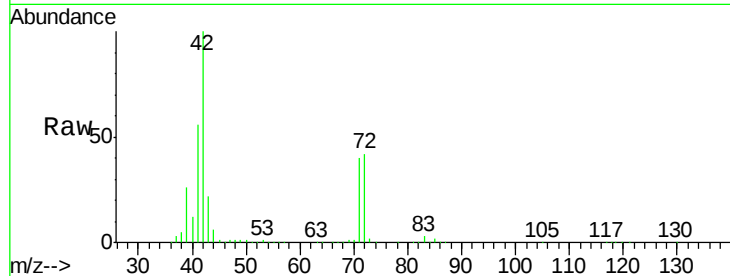




#29
Tetrahydrofuran
Concen: 264.31 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

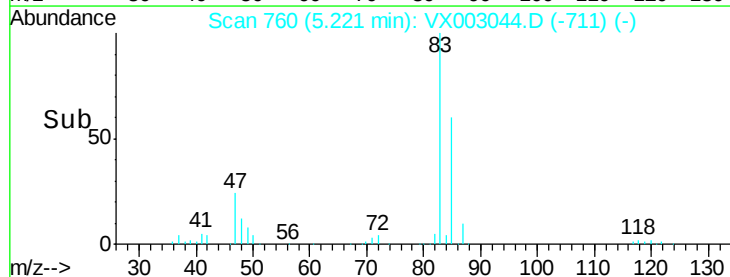
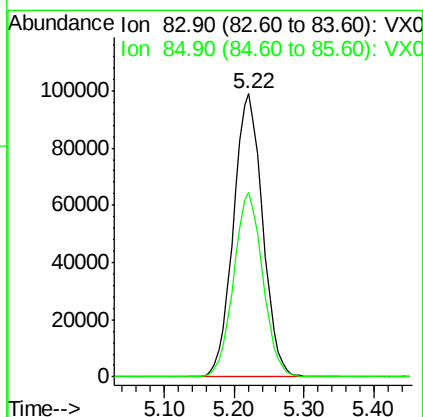
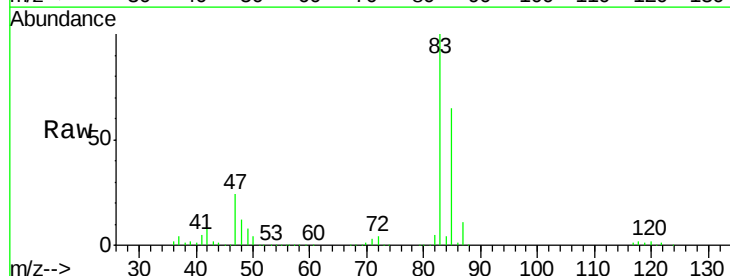
Instrument :
MSVOA_X
ClientSampleId :

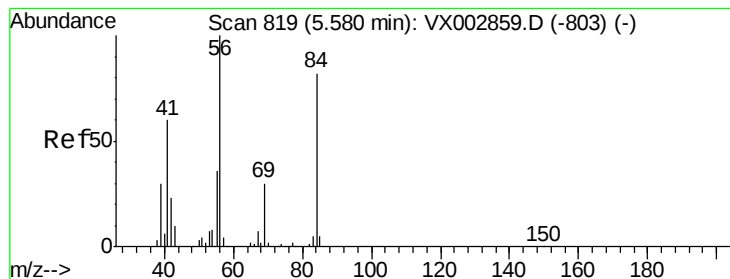
Tot Ion: 42 Resp: 395194
Ion Ratio Lower Upper
42 100
72 41.7 32.0 48.0
71 39.6 30.1 45.1



#30
Chloroform
Concen: 50.48 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

Tgt Ion: 83 Resp: 287166
Ion Ratio Lower Upper
83 100
85 65.1 50.4 75.6





#31

Cyclohexane

Concen: 49.77 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :

MSVOA_X

ClientSampled :

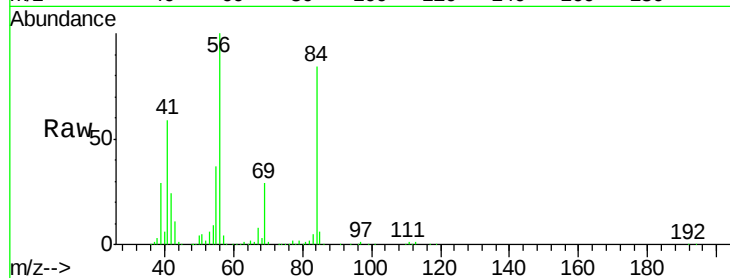
Tot Ion: 56 Resp: 236780

Ion Ratio Lower Upper

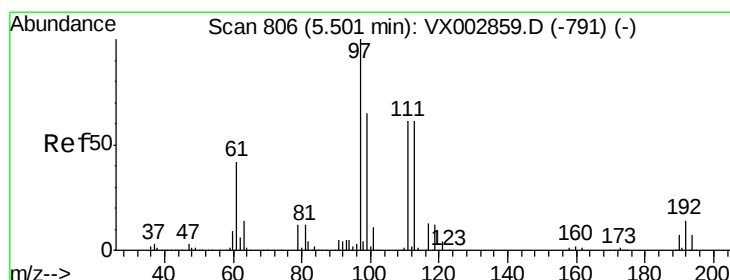
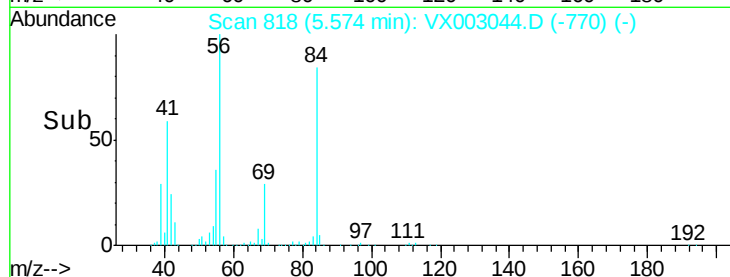
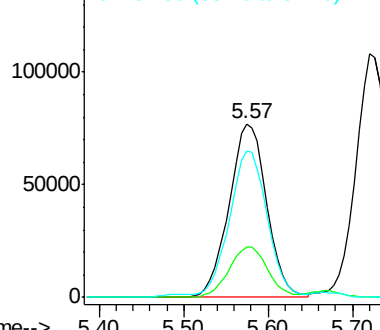
56 100

69 29.3 23.7 35.5

84 83.6 64.1 96.1



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



#32

1,1,1-Trichloroethane

Concen: 50.98 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

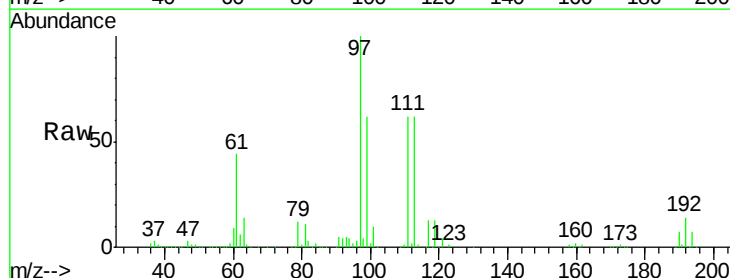
Tgt Ion: 97 Resp: 255162

Ion Ratio Lower Upper

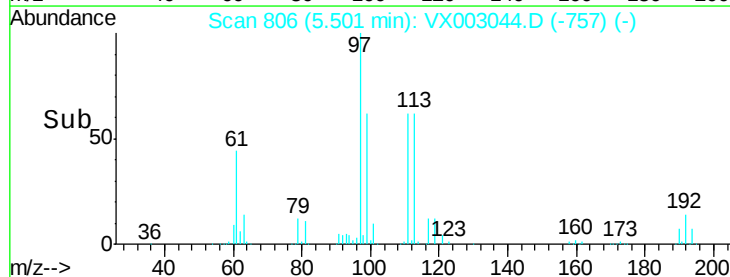
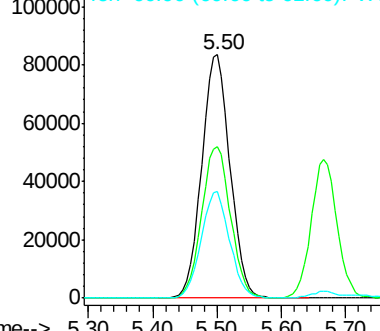
97 100

99 63.5 51.6 77.4

61 44.3 36.4 54.6



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

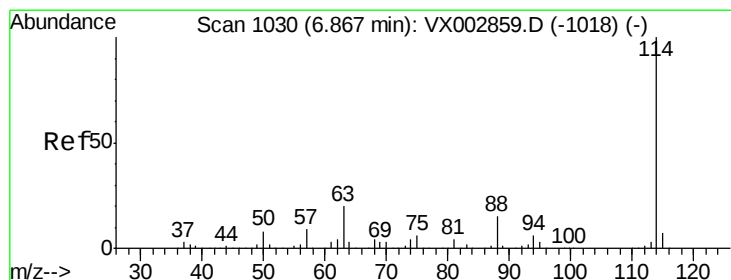
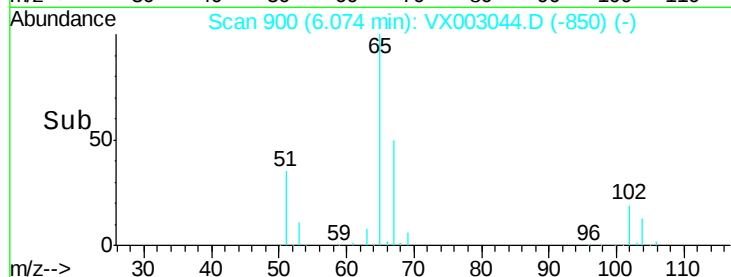
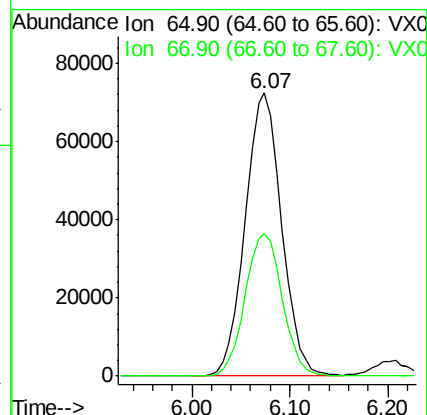
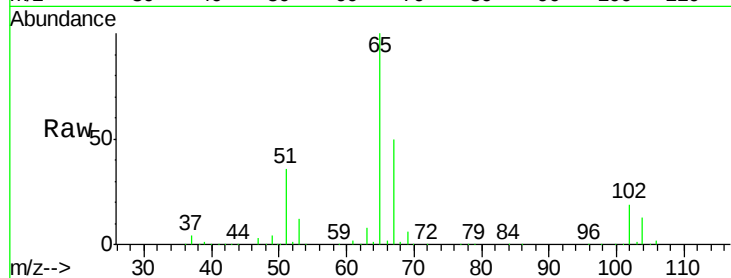




#33
 1,2-Dichloroethane-d4
 Concen: 49.35 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003044.D
 Acq: 29 Jun 2018 22:30

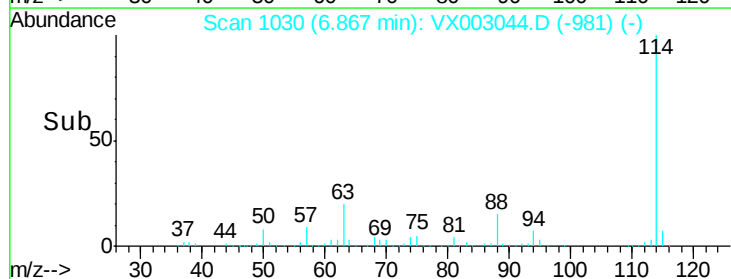
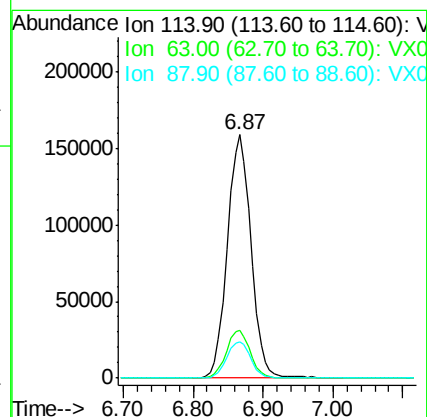
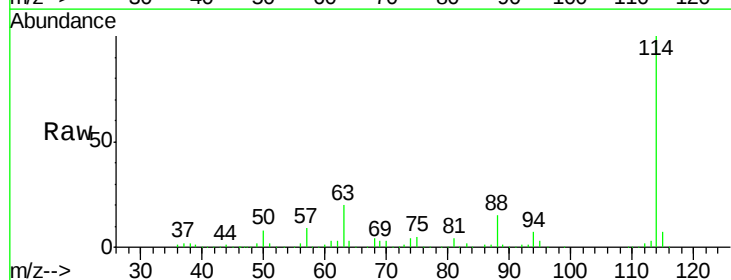
Instrument :
 MSVOA_X
 ClientSampleId :

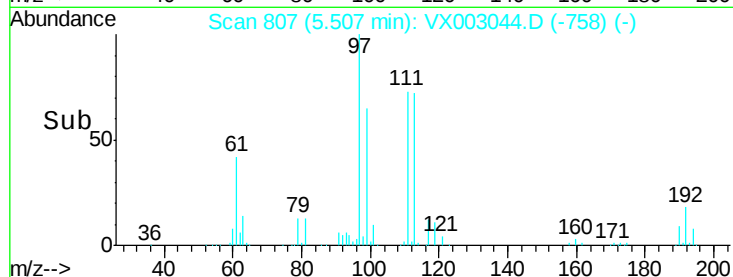
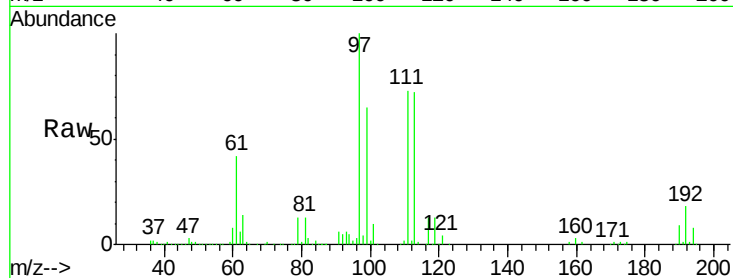
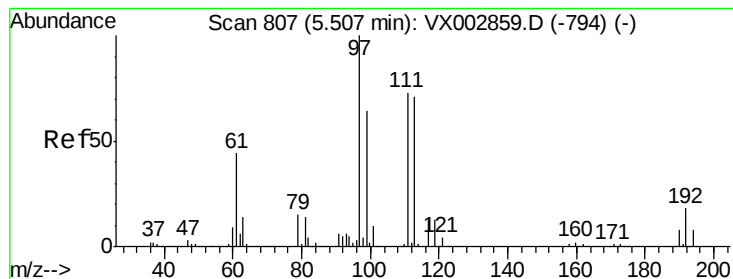
Tot Ion: 65 Resp: 187204
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003044.D
 Acq: 29 Jun 2018 22:30

Tgt Ion: 114 Resp: 374170
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.4
 88 15.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 52.25 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :

MSVOA_X

ClientSampleId :

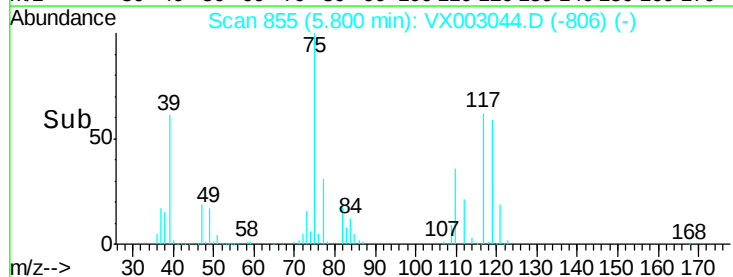
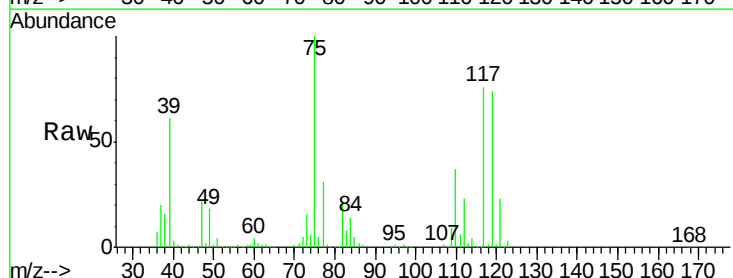
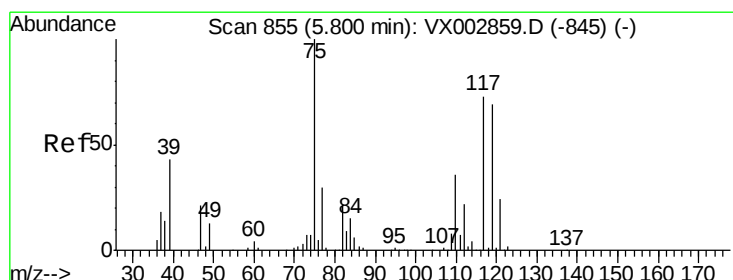
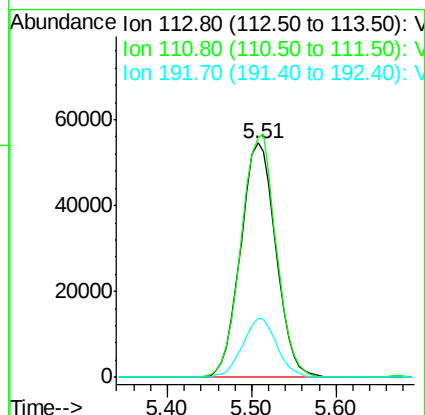
Tot Ion:113 Resp: 154819

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 24.5 19.1 28.7



#36

1,1-Dichloropropene

Concen: 50.36 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

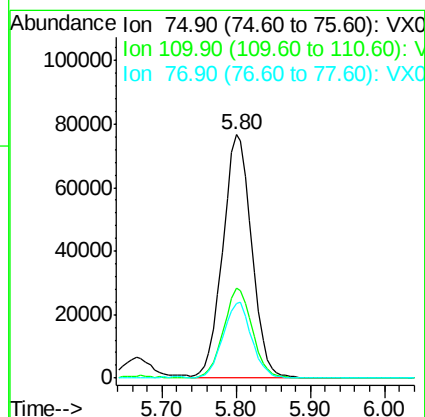
Tgt Ion: 75 Resp: 206642

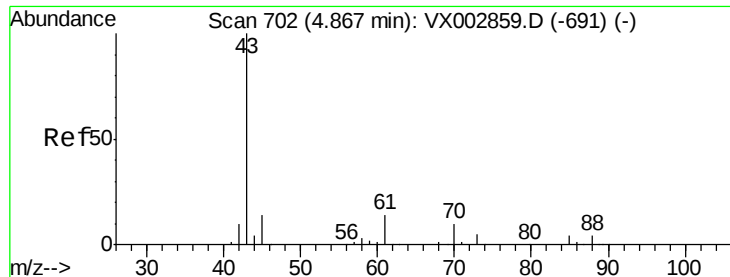
Ion Ratio Lower Upper

75 100

110 37.1 18.1 54.4

77 30.4 24.3 36.5

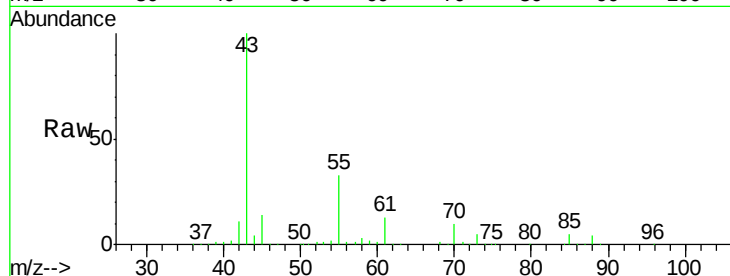




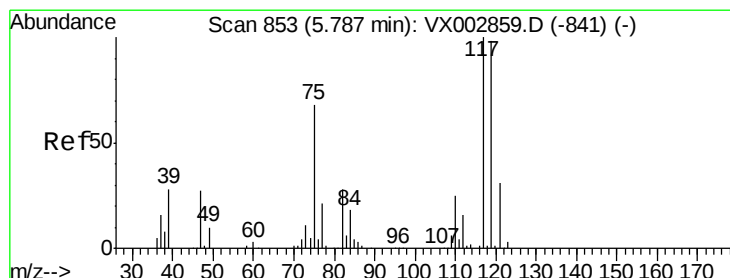
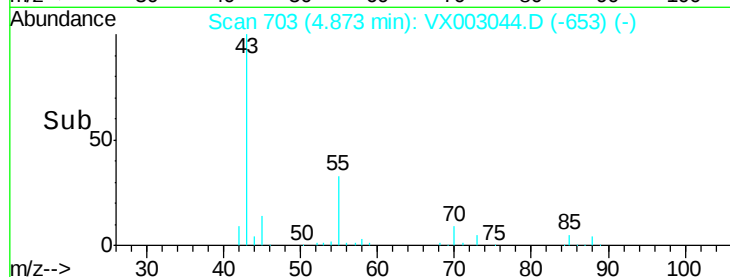
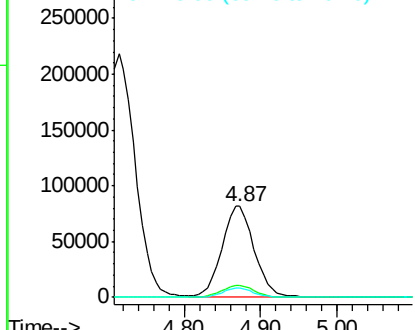
#37
Ethyl Acetate
Concen: 53.61 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 236866
Ion Ratio Lower Upper
43 100
61 13.2 10.4 15.6
70 10.0 7.6 11.4

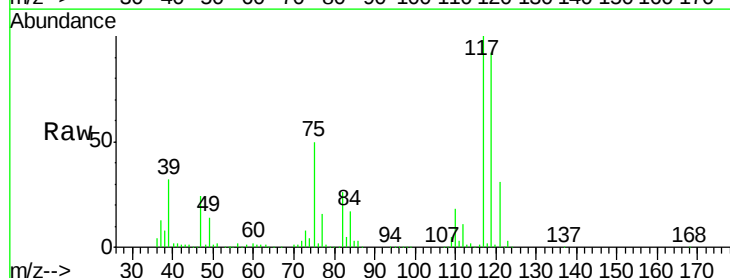


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

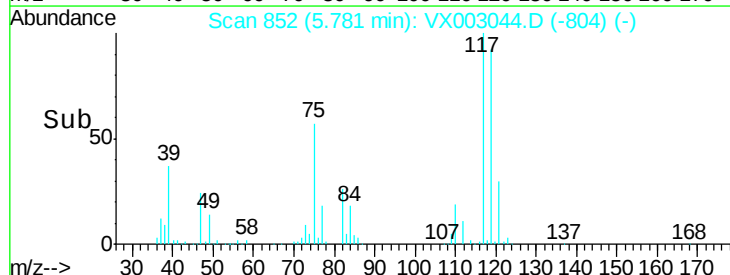
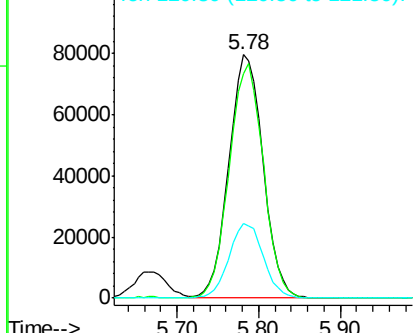


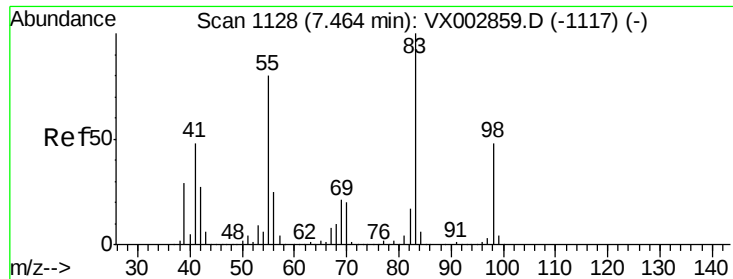
#38
Carbon Tetrachloride
Concen: 51.10 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

Tgt Ion: 117 Resp: 230104
Ion Ratio Lower Upper
117 100
119 92.1 77.4 116.0
121 30.5 24.4 36.6



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

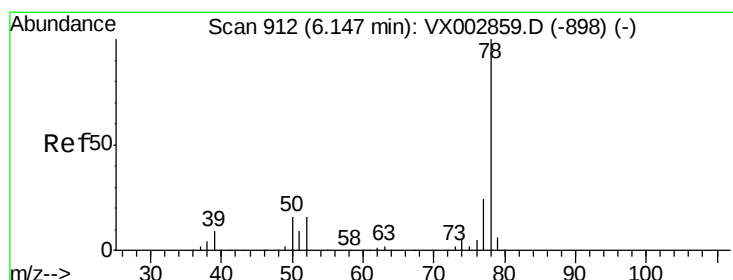
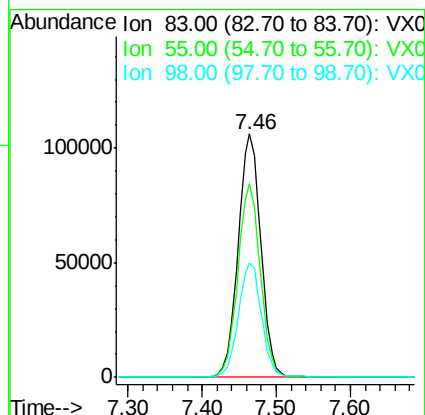
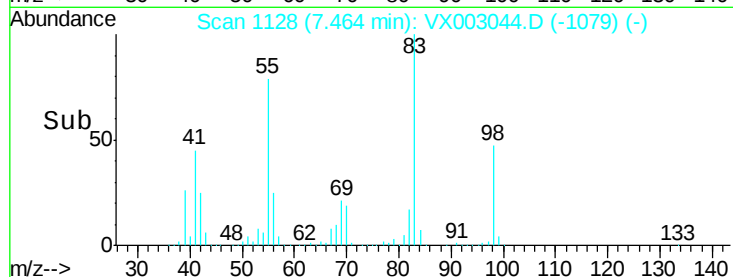
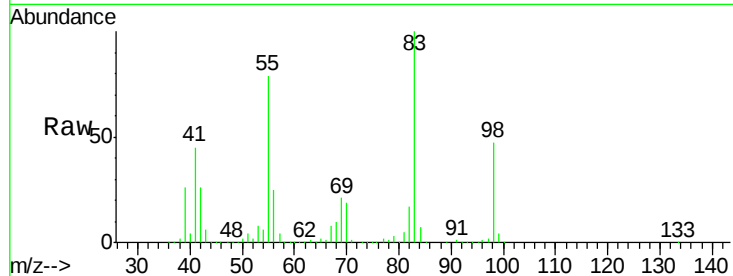




#39
Methvlcvclohexane
Concen: 47.54 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

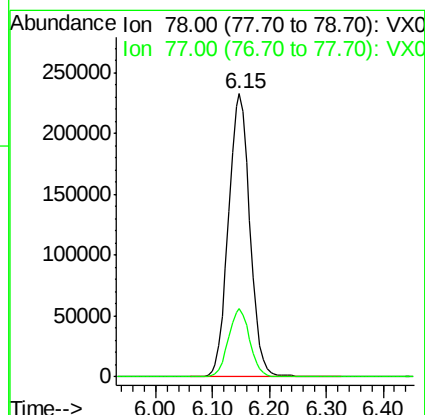
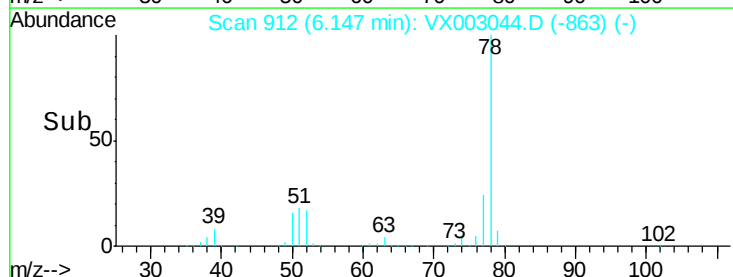
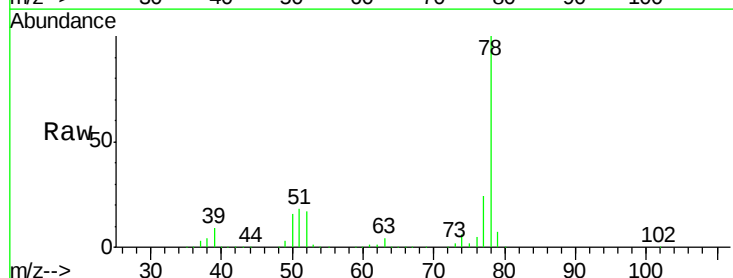
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 227222
Ion Ratio Lower Upper
83 100
55 79.2 65.4 98.0
98 47.1 37.4 56.0



#40
Benzene
Concen: 51.31 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

Tgt Ion: 78 Resp: 611784
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7

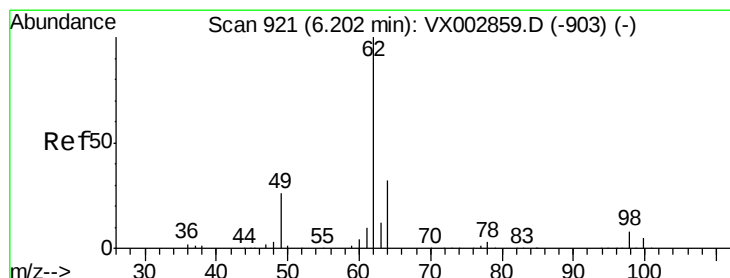
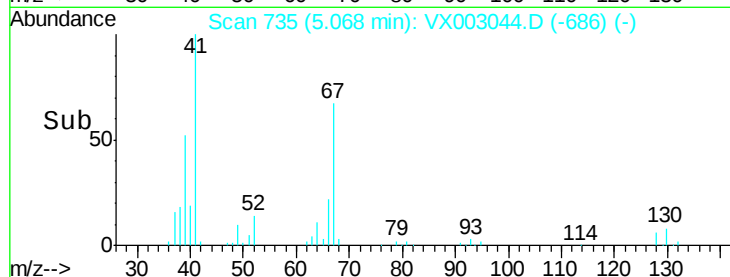
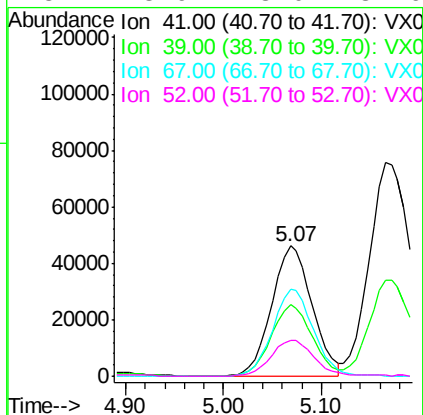
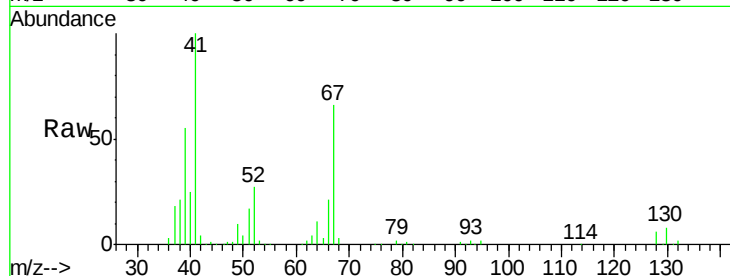




#41
Methacrylonitrile
Concen: 52.35 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

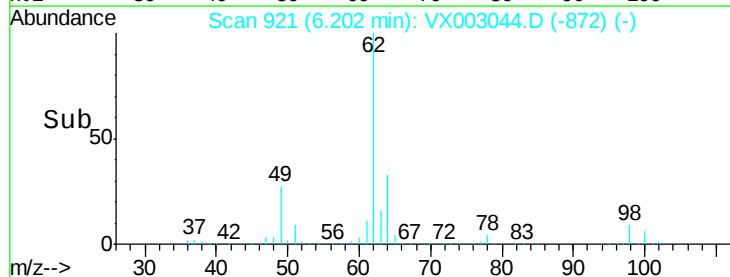
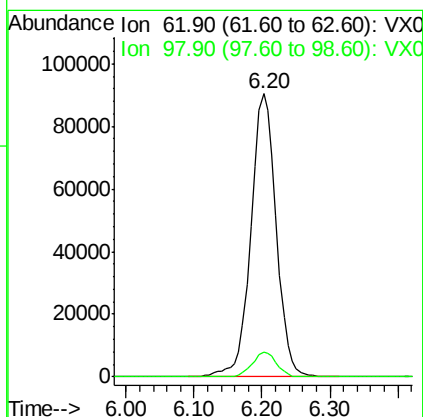
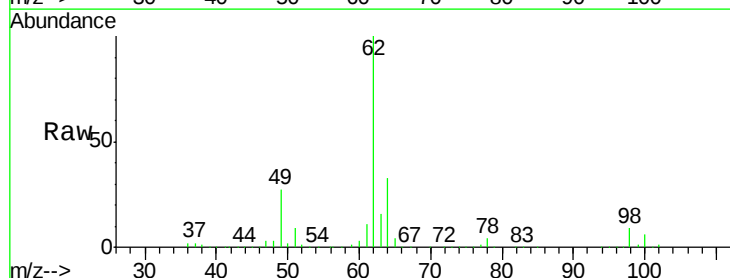
Instrument :
MSVOA_X
ClientSampleId :

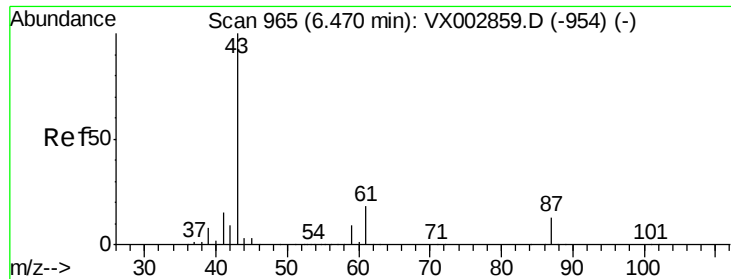
Tot Ion:	41	Resp:	133171
Ion	Ratio	Lower	Upper
41	100		
39	56.2	45.8	68.6
67	67.5	51.3	76.9
52	28.9	23.0	34.6



#42
1,2-Dichloroethane
Concen: 48.60 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

Tgt Ion:	62	Resp:	234063
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6



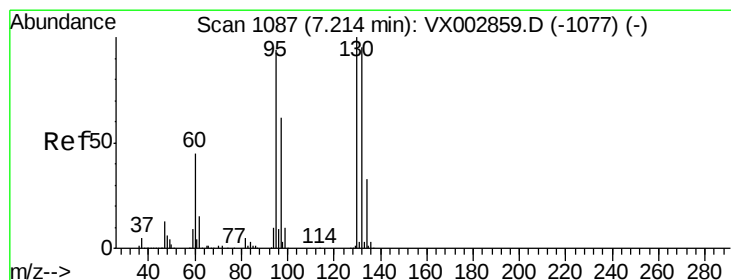
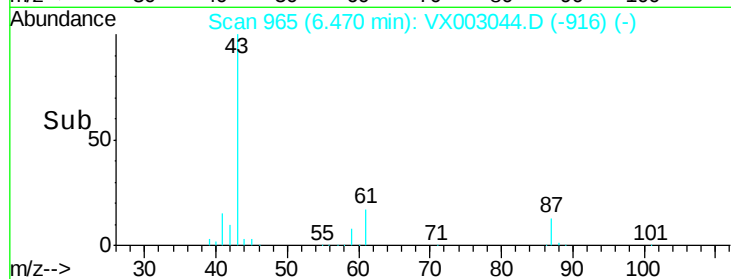
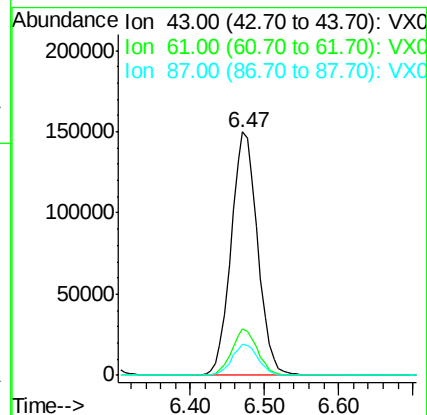
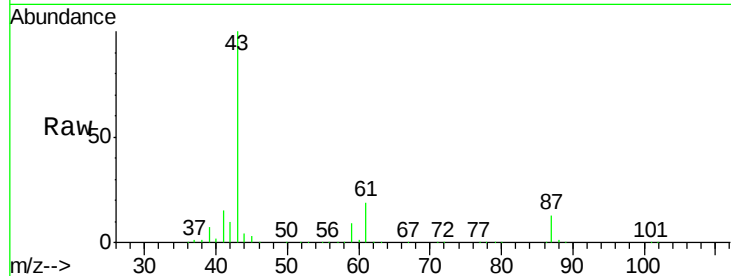


#43

Isopropyl Acetate
 Concen: 50.05 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX003044.D
 Acq: 29 Jun 2018 22:30

Instrument :
 MSVOA_X
 ClientSampleId :

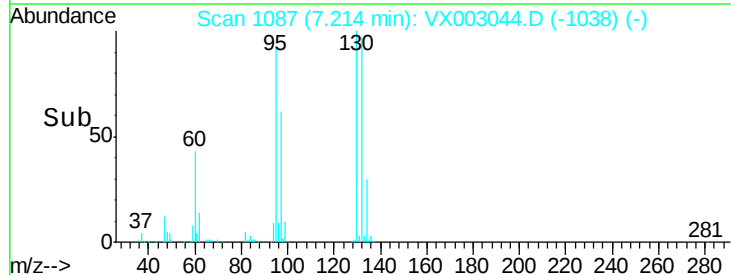
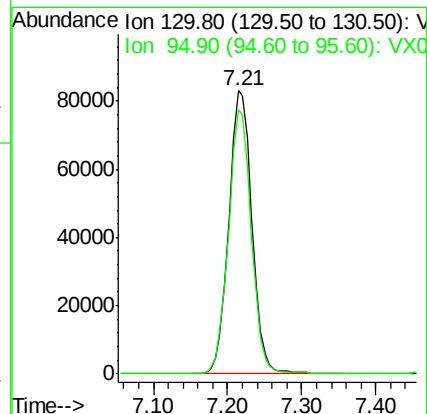
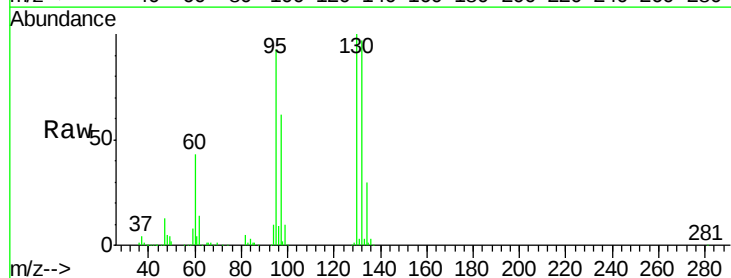
Tot Ion	43	Resp	370881
Ion Ratio	Lower	Upper	
43	100		
61	18.6	14.4	21.6
87	12.6	9.5	14.3

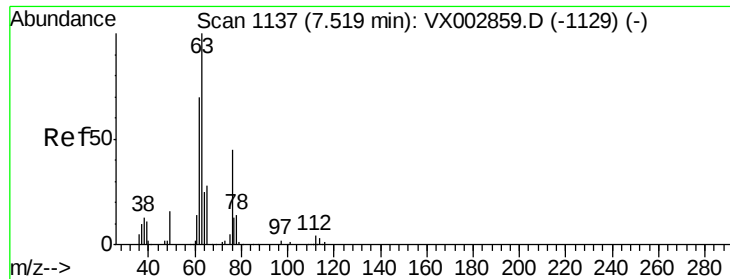


#44

Trichloroethene
 Concen: 50.71 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX003044.D
 Acq: 29 Jun 2018 22:30

Tgt Ion	130	Resp	180249
Ion Ratio	Lower	Upper	
130	100		
95	93.1	0.0	185.4





#45

1,2-Dichloropropane

Concen: 51.13 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :

MSVOA_X

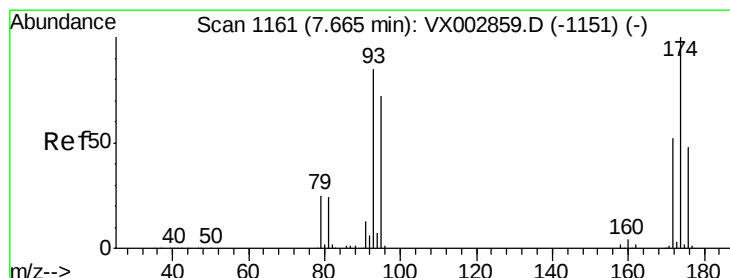
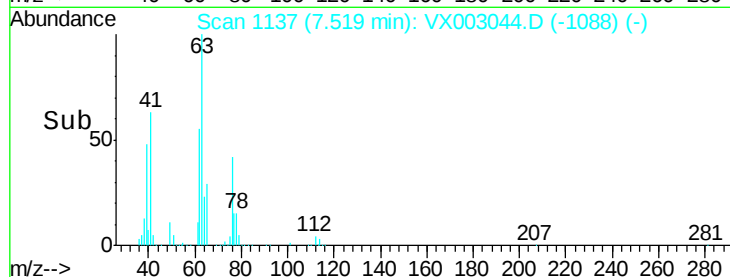
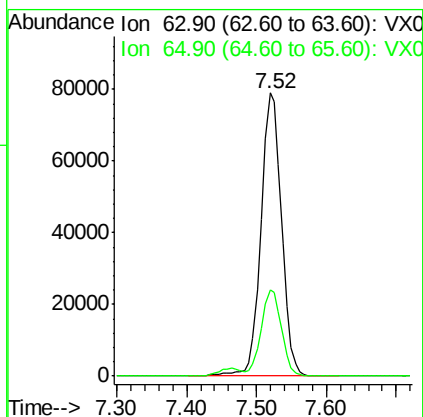
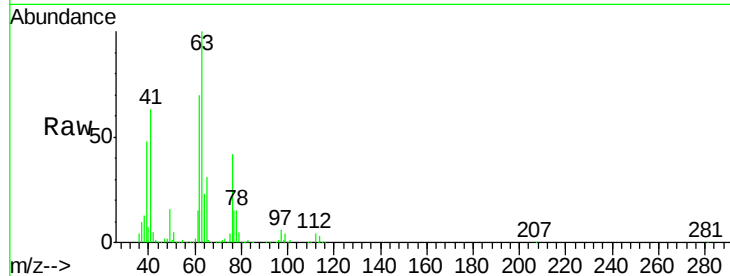
ClientSampleId :

Tot Ion: 63 Resp: 161692

Ion Ratio Lower Upper

63 100

65 30.5 24.7 37.1



#46

Dibromomethane

Concen: 50.27 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

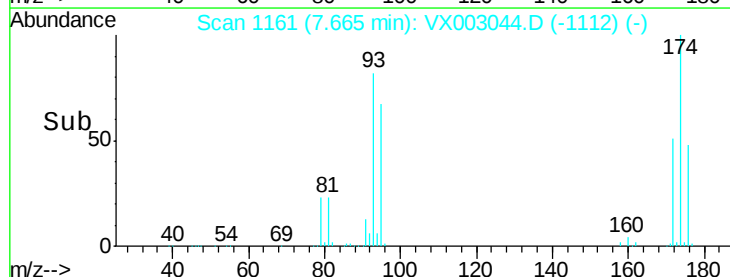
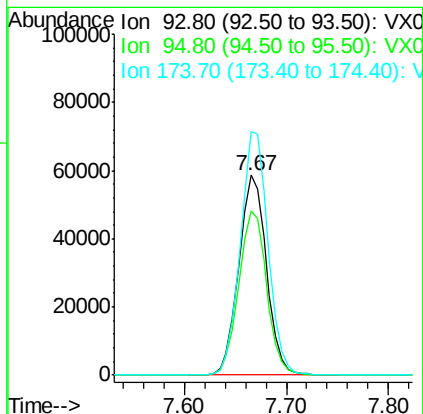
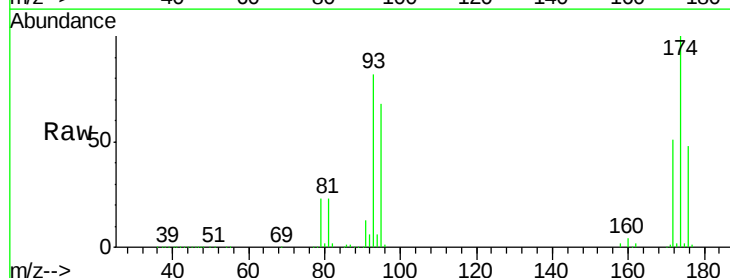
Tgt Ion: 93 Resp: 110322

Ion Ratio Lower Upper

93 100

95 83.1 65.9 98.9

174 122.0 92.4 138.6





#47

Bromodichloromethane

Concen: 52.51 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :
MSVOA_X
ClientSampleId :

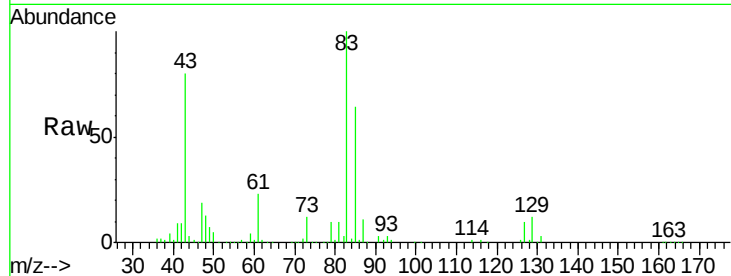
Tot Ion: 83 Resp: 213070

Ion Ratio Lower Upper

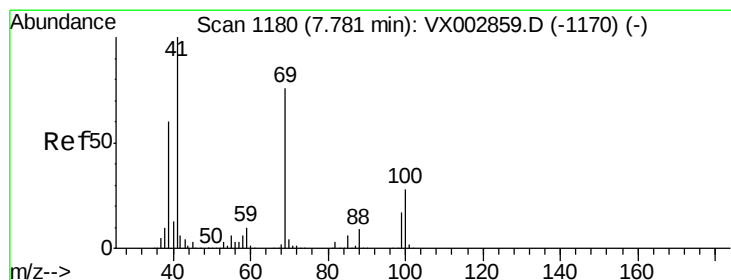
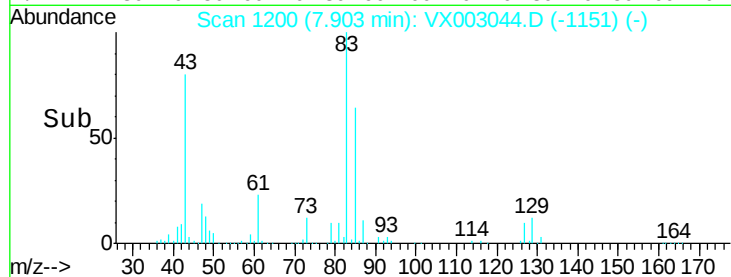
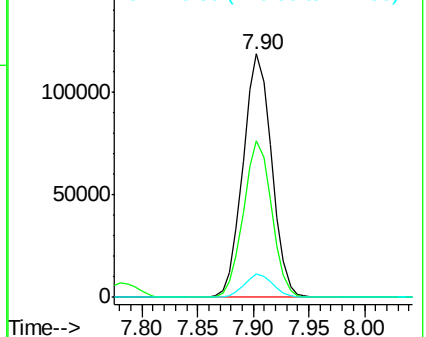
83 100

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: 51.40 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

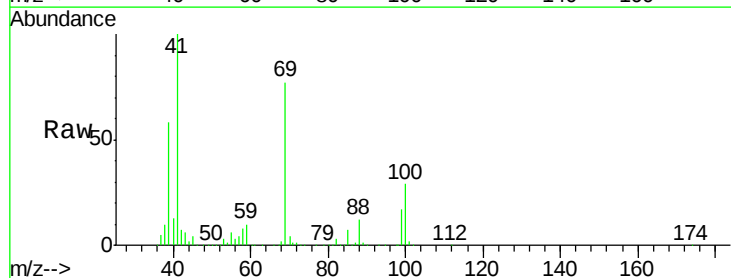
Tgt Ion: 41 Resp: 196230

Ion Ratio Lower Upper

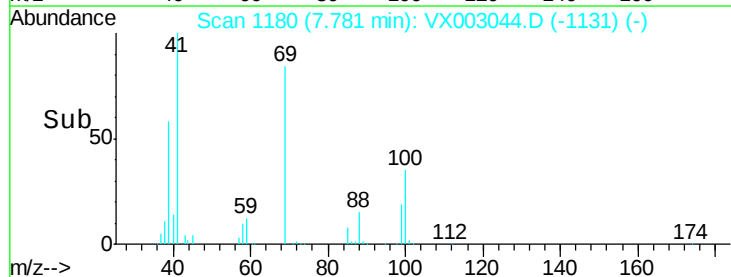
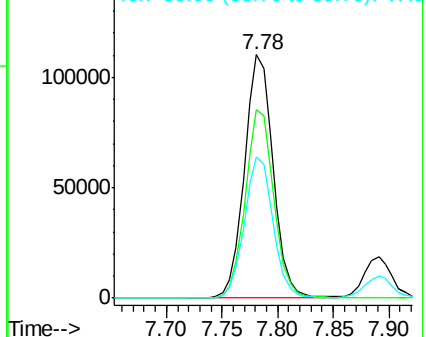
41 100

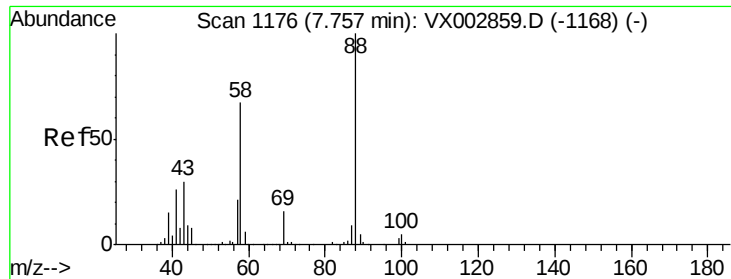
69 77.7 59.1 88.7

39 58.0 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

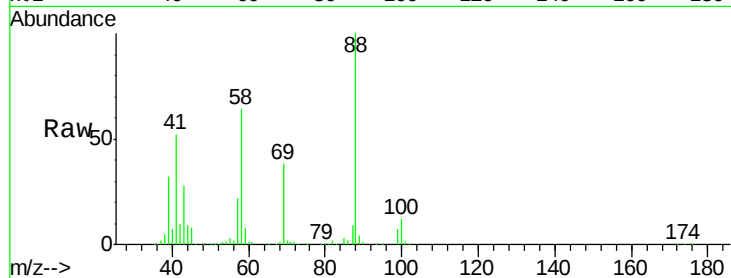




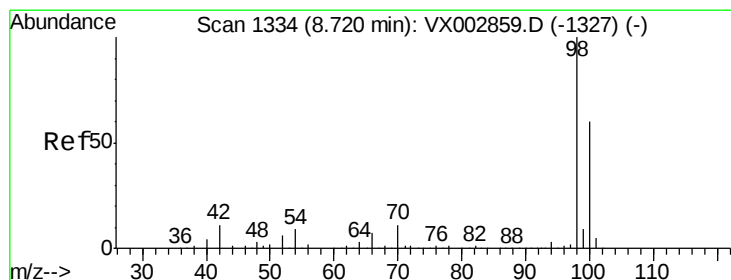
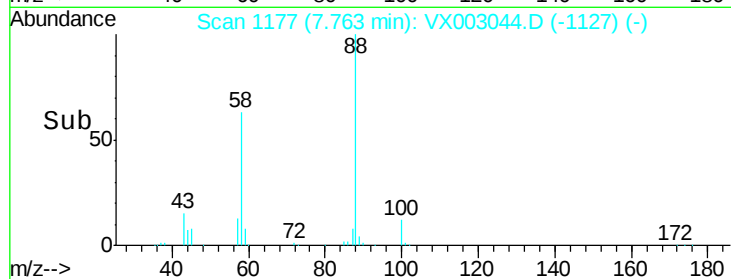
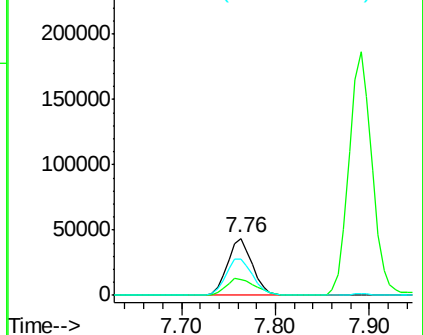
#49
1,4-Dioxane
Concen: 1079.15 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	88	Resp	80157
Ion	Ratio	Lower	Upper
88	100		
43	34.6	29.8	44.6
58	70.6	57.1	85.7

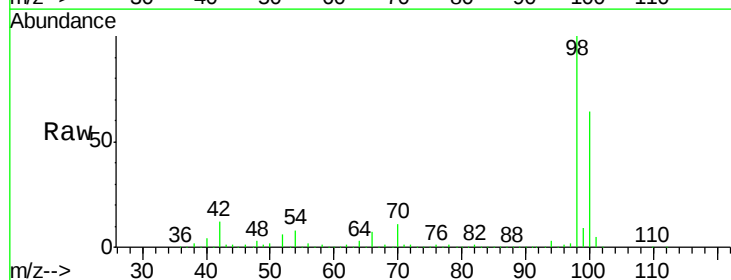


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

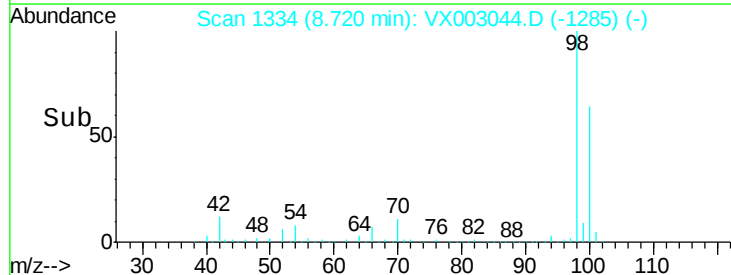
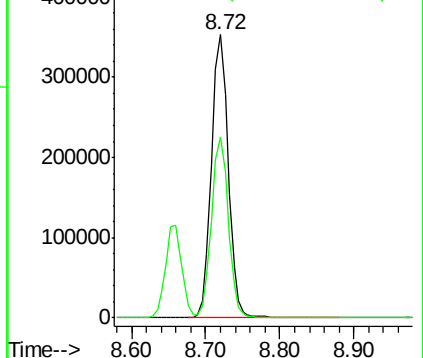


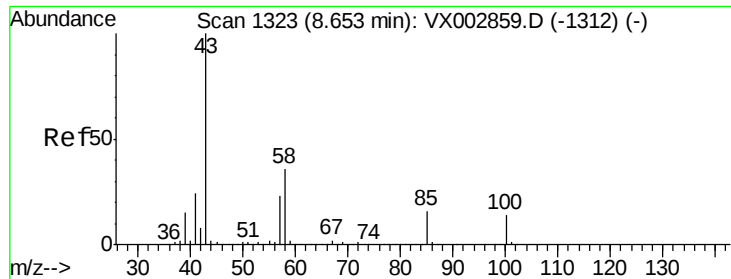
#50
Toluene-d8
Concen: 50.66 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

Tgt Ion	98	Resp	548110
Ion	Ratio	Lower	Upper
98	100		
100	64.2	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: 266.34 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :

MSVOA_X

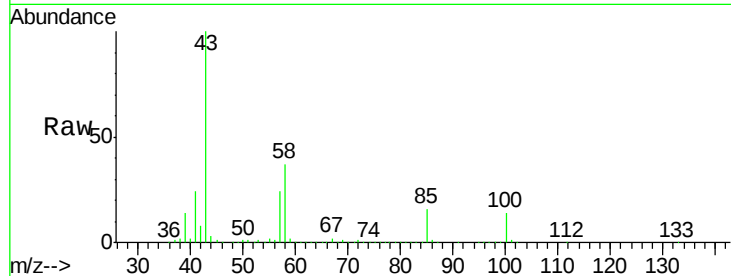
ClientSampleId :

Tot Ion: 43 Resp: 1234722

Ion Ratio Lower Upper

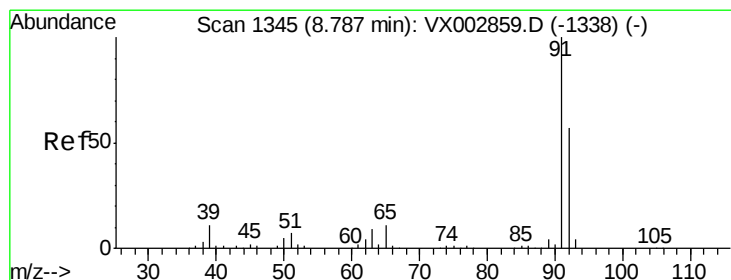
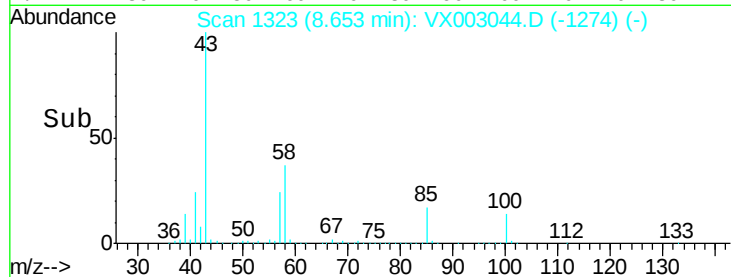
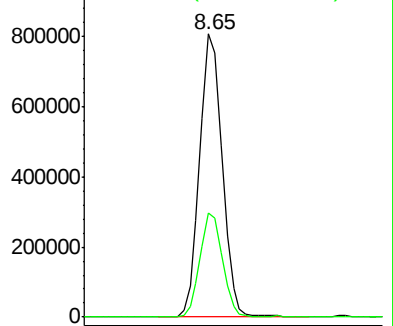
43 100

58 36.6 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: 51.44 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003044.D

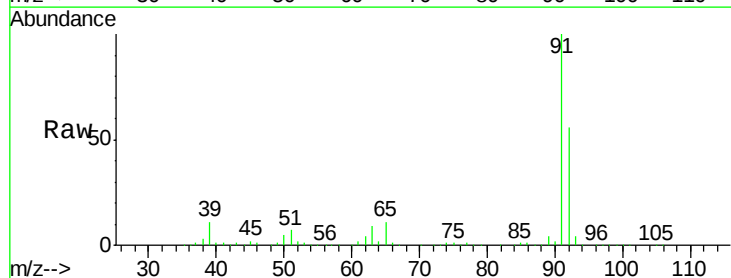
Acq: 29 Jun 2018 22:30

Tgt Ion: 92 Resp: 392869

Ion Ratio Lower Upper

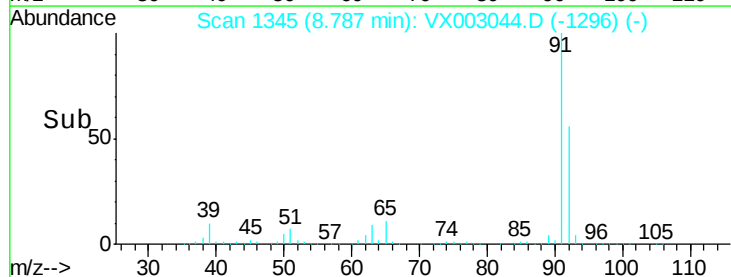
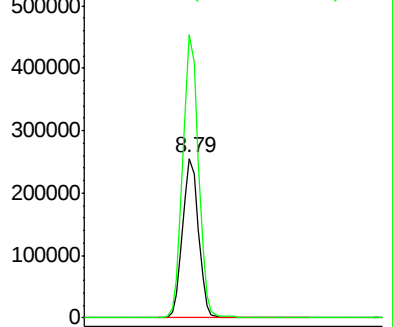
92 100

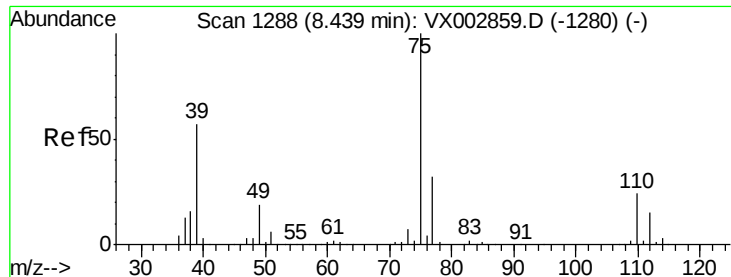
91 175.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

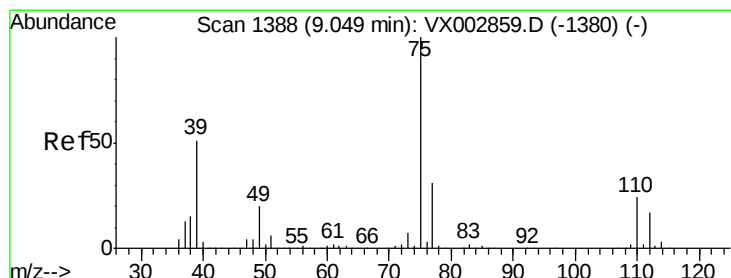
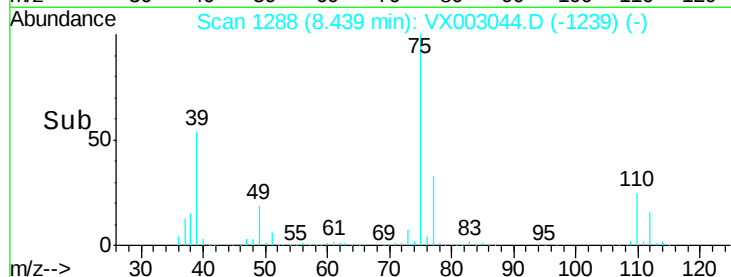
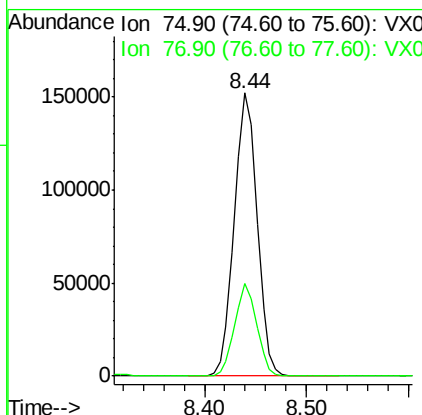
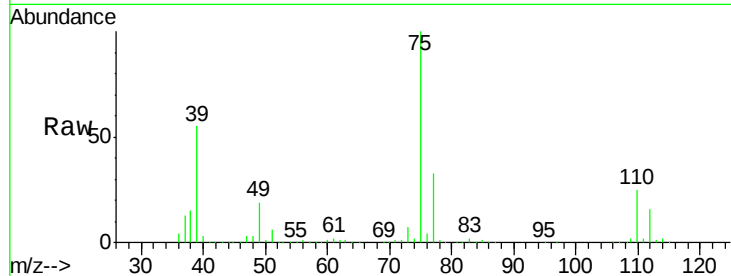




#53
t-1,3-Dichloropropene
Concen: 51.10 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

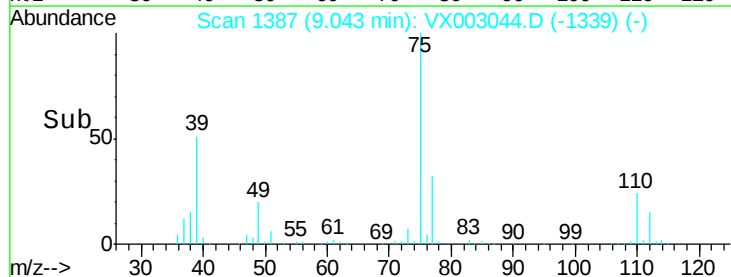
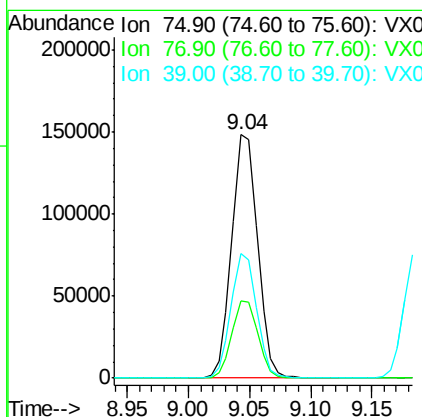
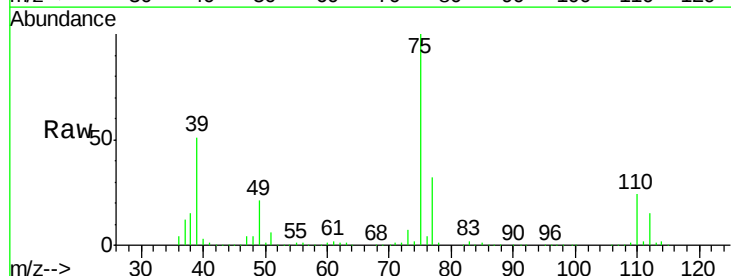
Instrument :
MSVOA_X
ClientSampleId :

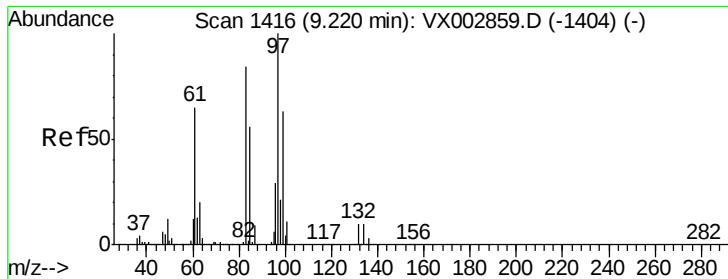
Tot Ion: 75 Resp: 234810
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 49.17 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

Tgt Ion: 75 Resp: 217415
Ion Ratio Lower Upper
75 100
77 31.8 24.8 37.2
39 51.2 42.4 63.6

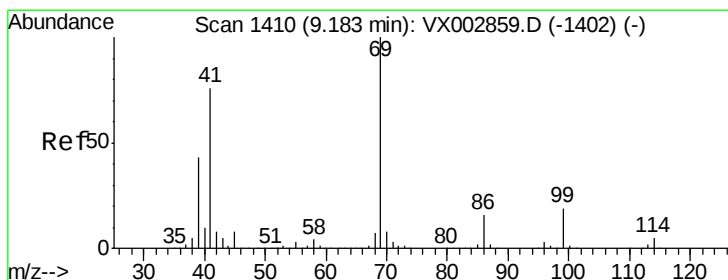
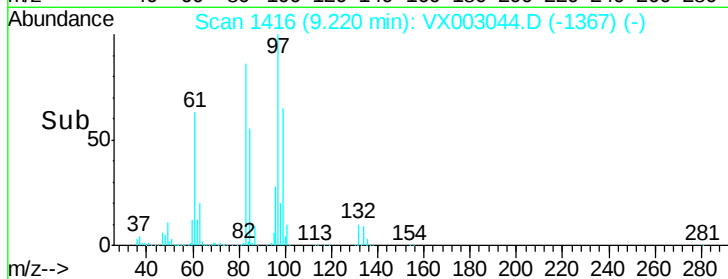
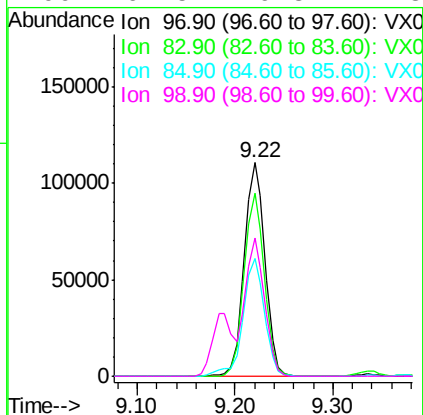
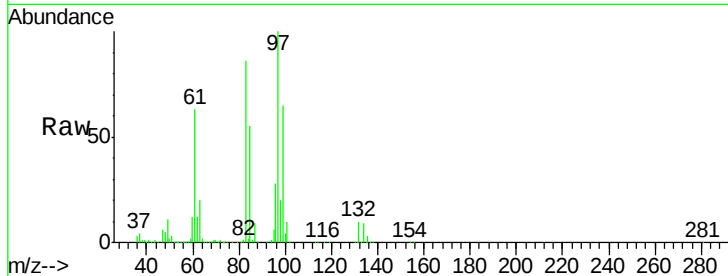




#55
 1,1,2-Trichloroethane
 Concen: 51.88 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003044.D
 Acq: 29 Jun 2018 22:30

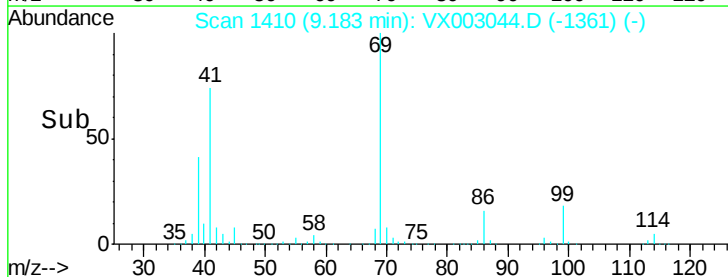
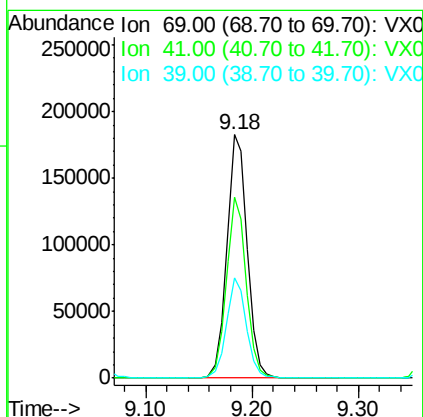
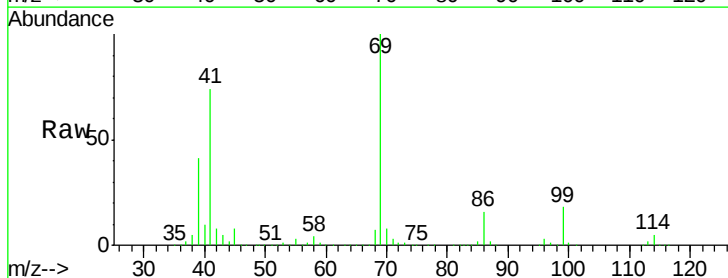
Instrument :
 MSVOA_X
 ClientSampleId :

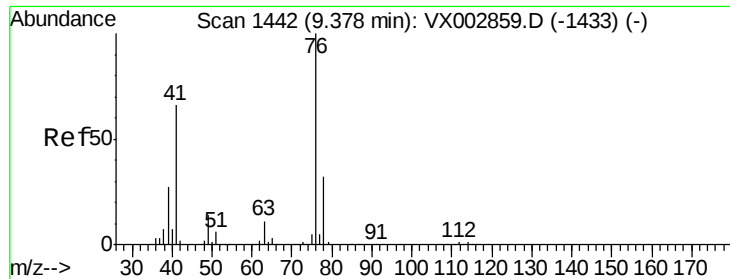
Tot Ion:	97	Resp:	162814
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.2	105.2
85	54.9	44.9	67.3
99	64.5	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 53.29 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003044.D
 Acq: 29 Jun 2018 22:30

Tgt Ion:	69	Resp:	244437
Ion	Ratio	Lower	Upper
69	100		
41	72.1	60.3	90.5
39	39.8	35.8	53.8

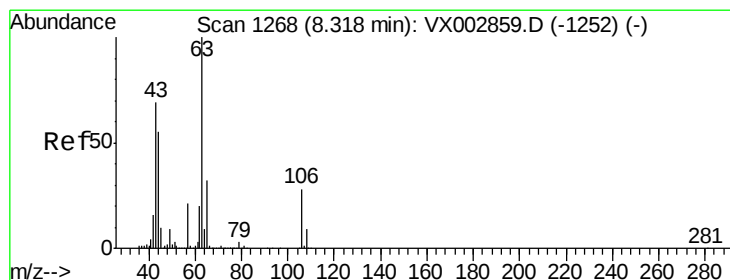
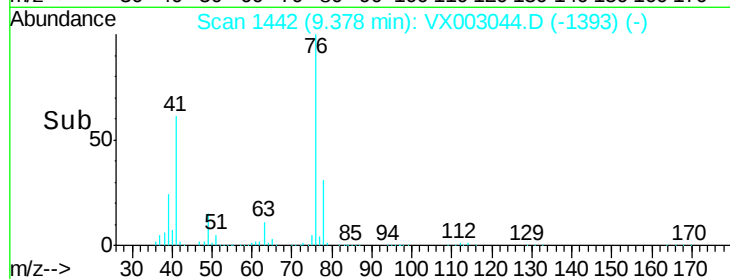
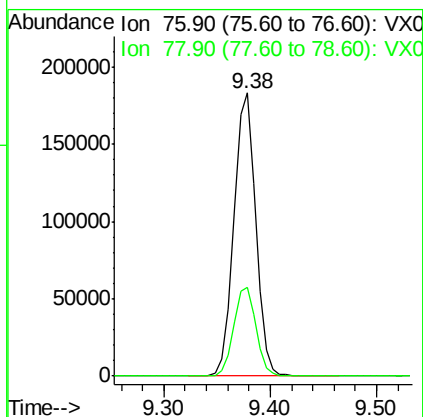
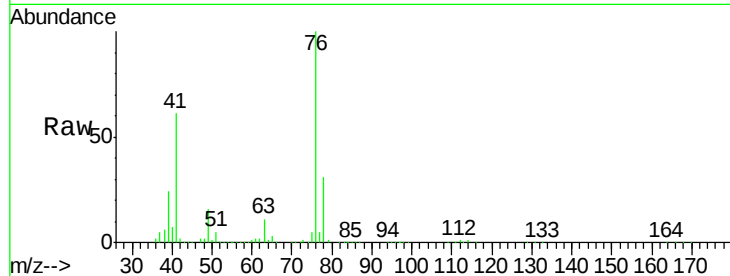




#57
 1,3-Dichloropropane
 Concen: 51.29 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX003044.D
 Acq: 29 Jun 2018 22:30

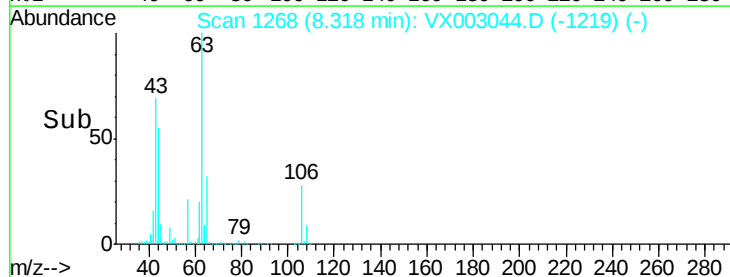
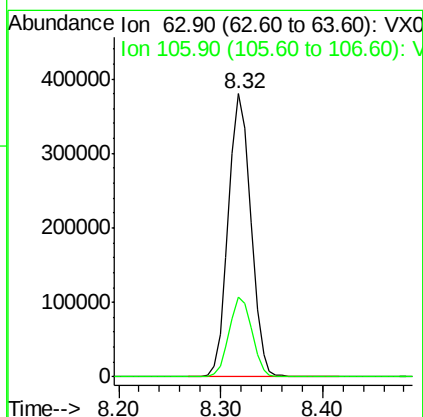
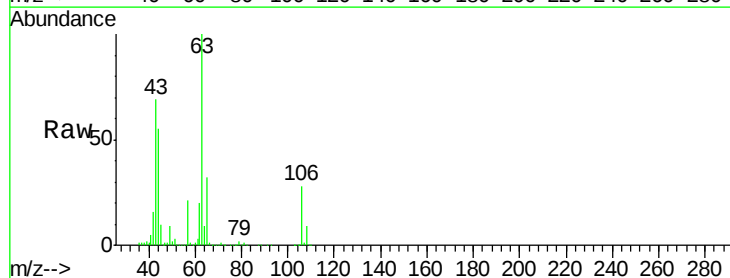
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 76 Resp: 264362
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 262.45 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX003044.D
 Acq: 29 Jun 2018 22:30

Tgt Ion: 63 Resp: 580760
 Ion Ratio Lower Upper
 63 100
 106 28.5 21.8 32.8

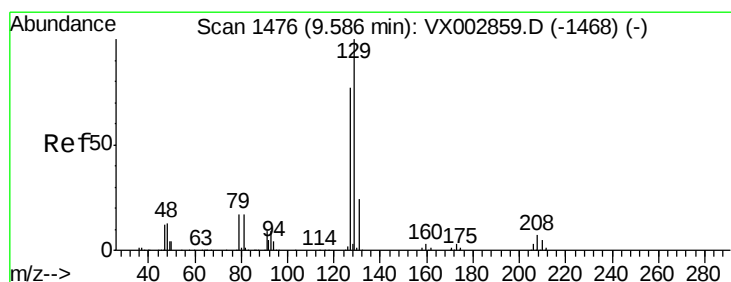
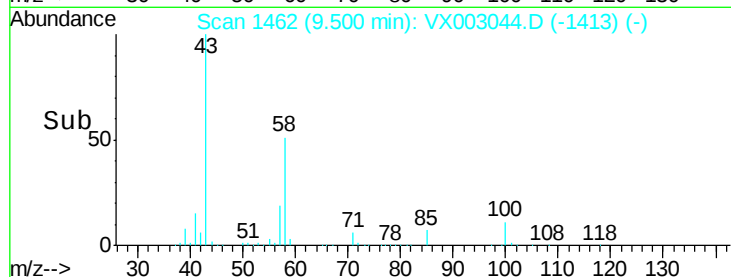
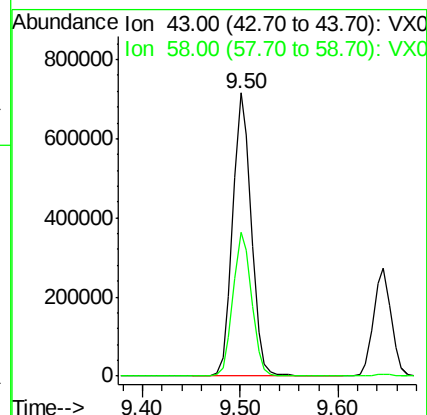
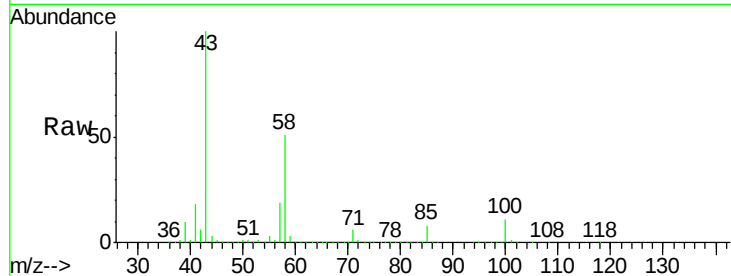




#59
2-Hexanone
Concen: 268.12 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

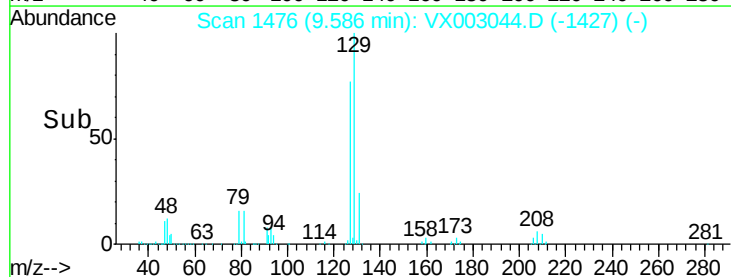
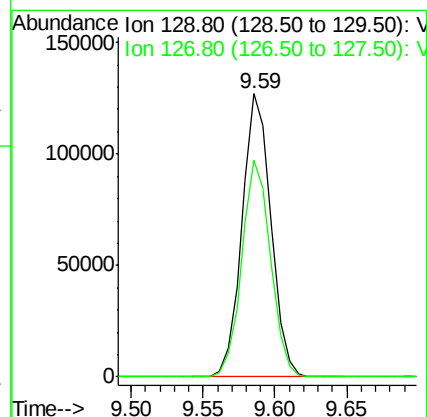
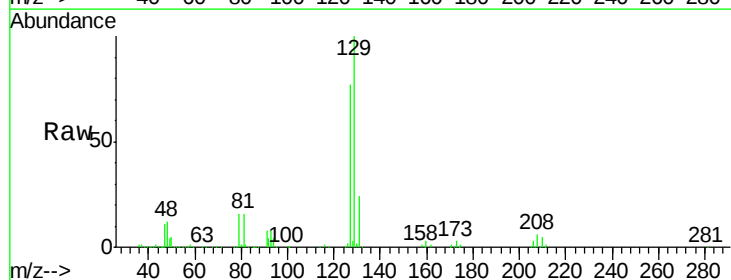
Instrument :
MSVOA_X
ClientSampleId :

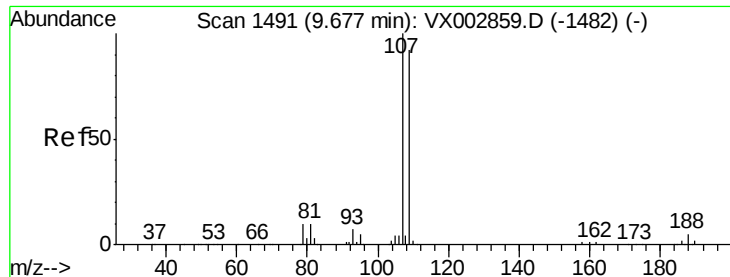
Tot Ion: 43 Resp: 944651
Ion Ratio Lower Upper
43 100
58 51.3 24.6 73.6



#60
Dibromochloromethane
Concen: 53.41 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

Tgt Ion: 129 Resp: 176474
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 52.19 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :

MSVOA_X

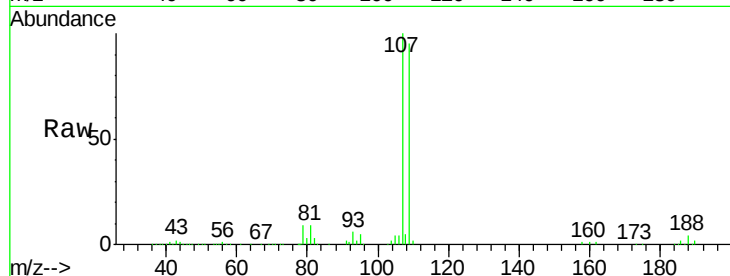
ClientSampled :

Tot Ion:107 Resp: 171822

Ion Ratio Lower Upper

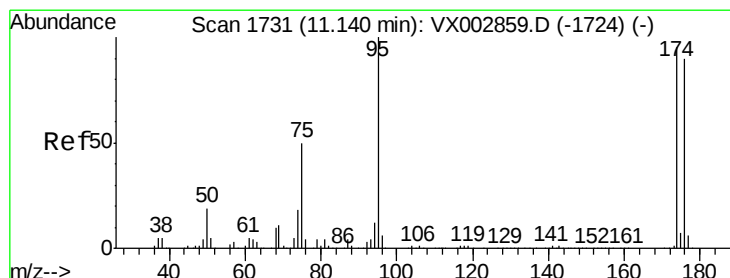
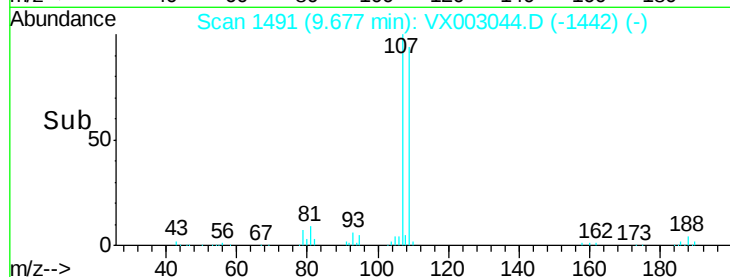
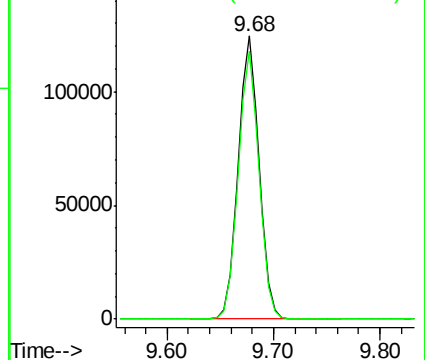
107 100

109 94.3 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.51 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

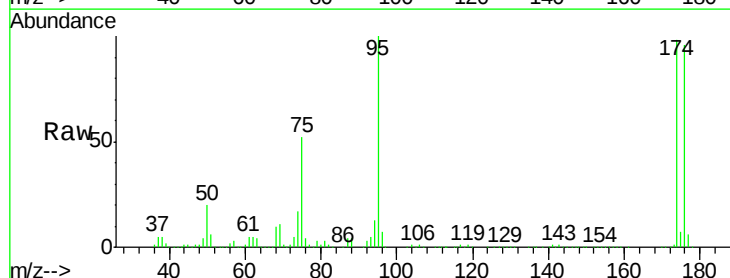
Tgt Ion: 95 Resp: 210774

Ion Ratio Lower Upper

95 100

174 97.1 0.0 187.4

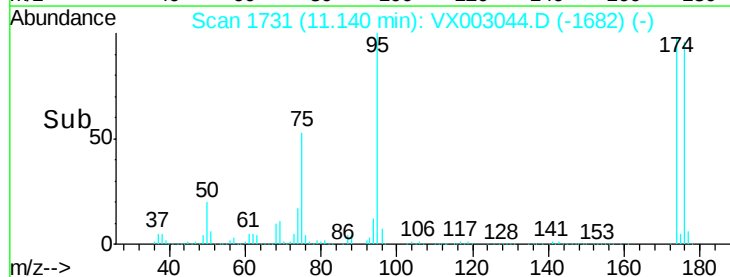
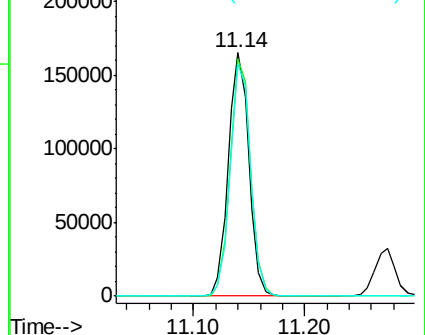
176 94.8 0.0 181.0

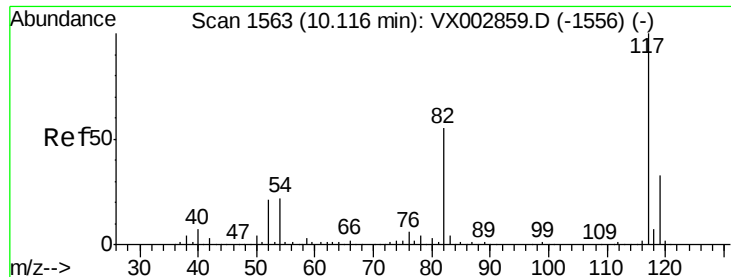


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

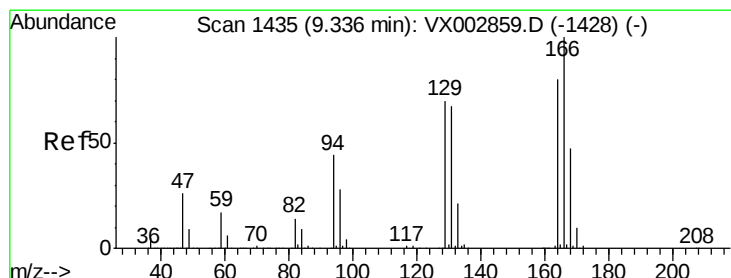
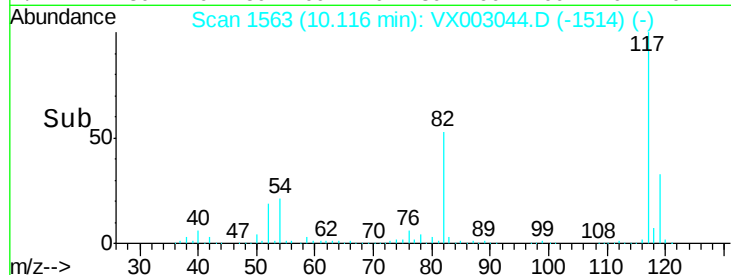
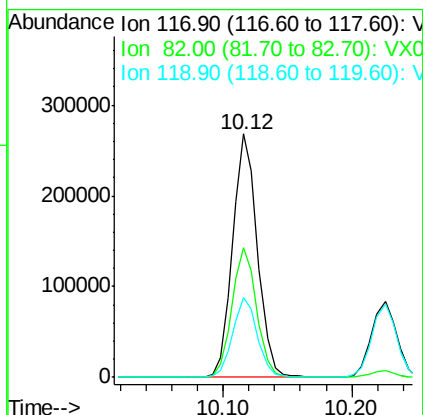
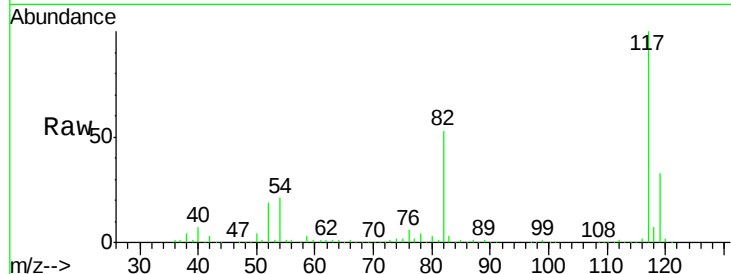




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

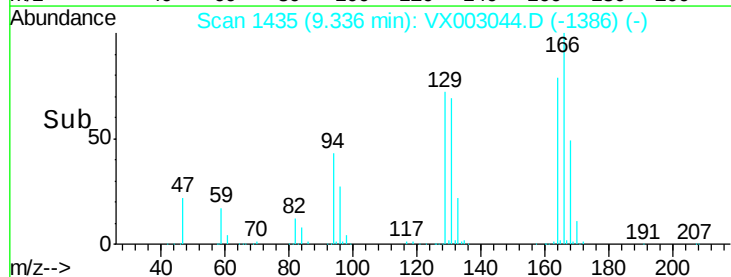
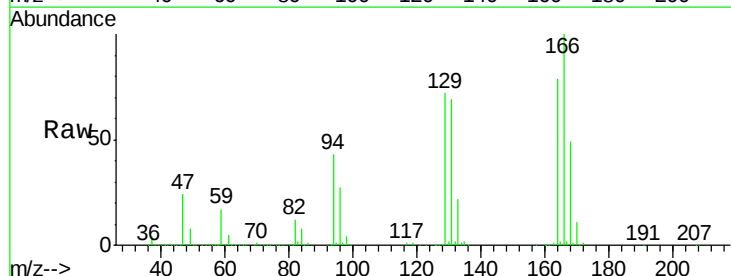
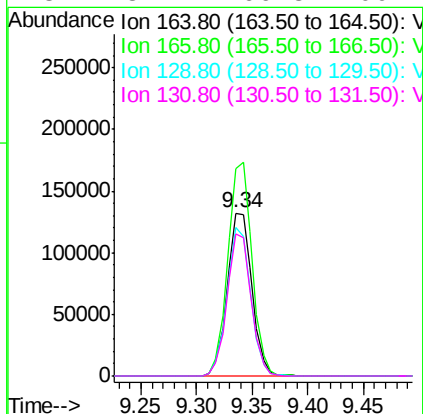
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 360025
Ion Ratio Lower Upper
117 100
82 53.0 45.0 67.4
119 32.7 25.8 38.6



#64
Tetrachloroethene
Concen: 50.29 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

Tgt Ion:164 Resp: 201319
Ion Ratio Lower Upper
164 100
166 127.2 102.9 154.3
129 91.4 68.6 102.8
131 87.1 66.8 100.2

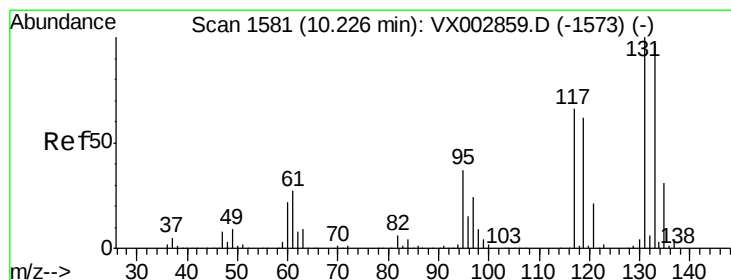
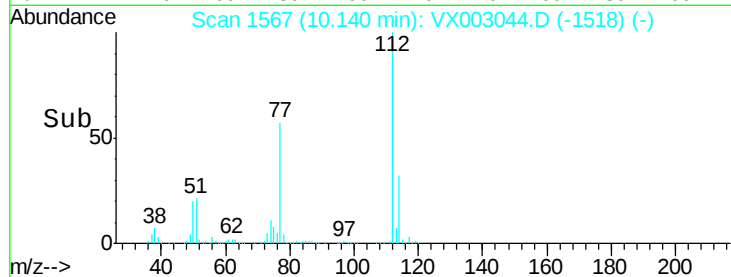
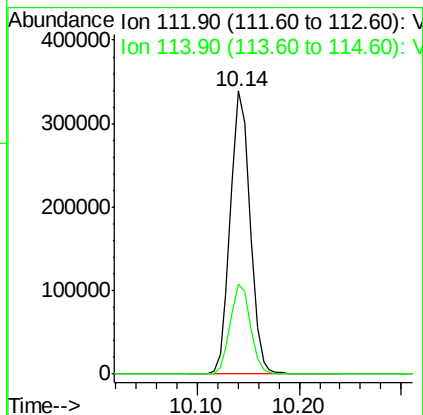
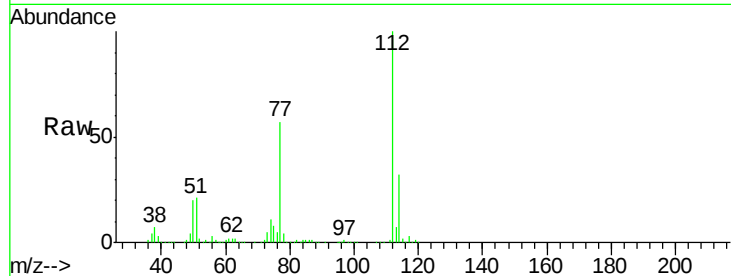




#65
Chlorobenzene
Concen: 49.50 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

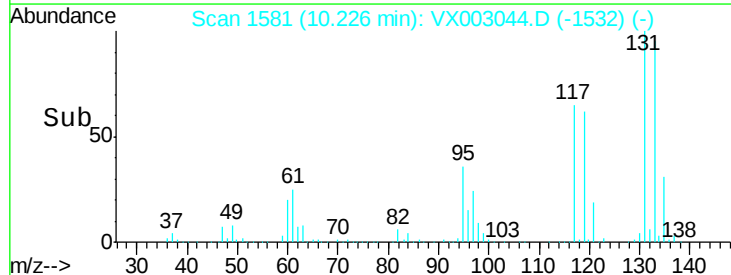
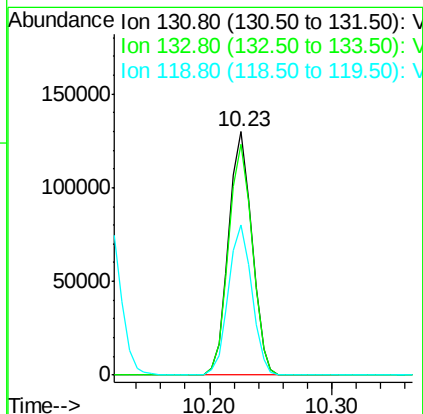
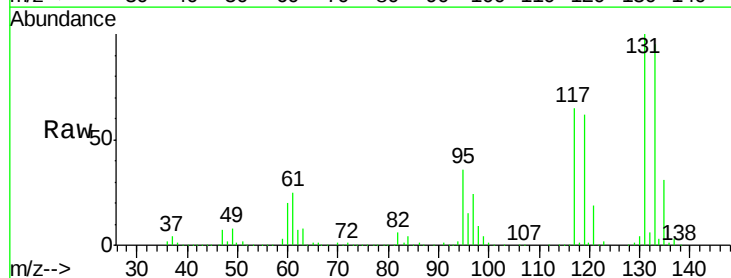
Instrument :
MSVOA_X
ClientSampleId :

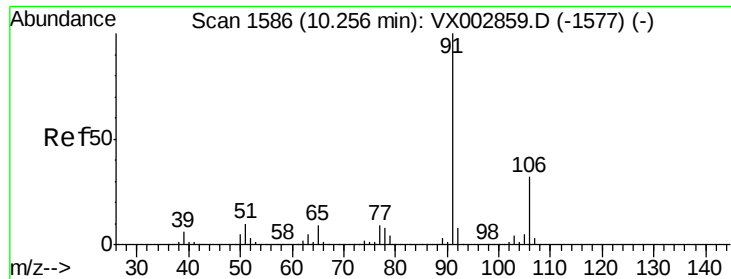
Tot Ion:112 Resp: 452673
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.63 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

Tgt Ion:131 Resp: 171508
Ion Ratio Lower Upper
131 100
133 96.0 47.9 143.6
119 62.0 31.8 95.3

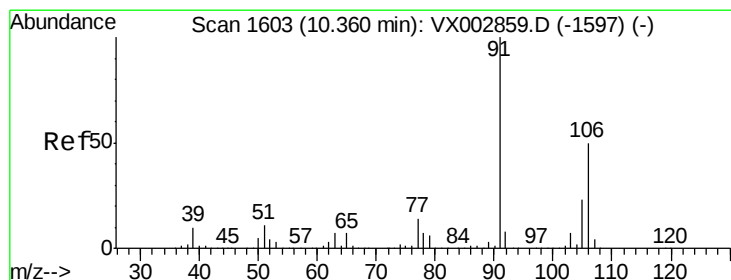
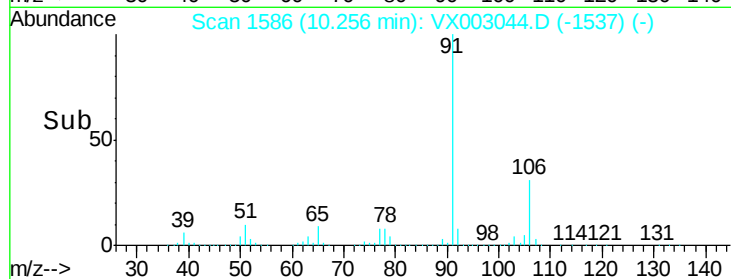
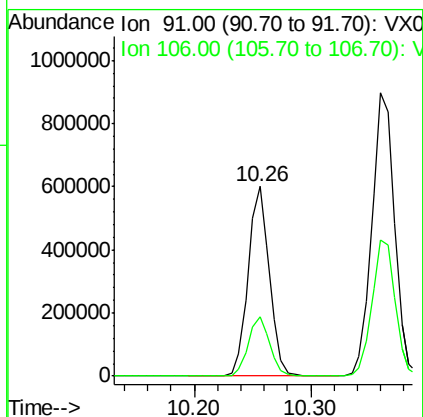
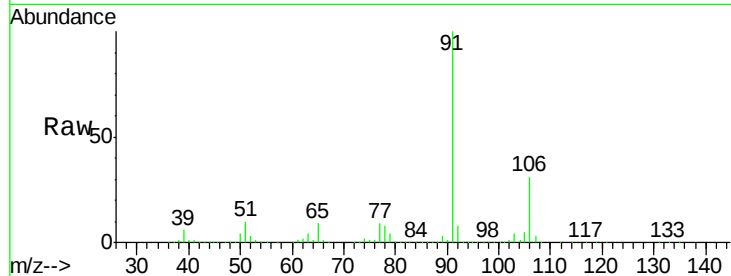




#67
Ethyl Benzene
Concen: 50.77 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

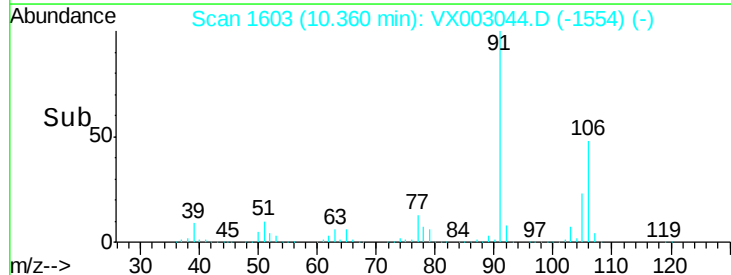
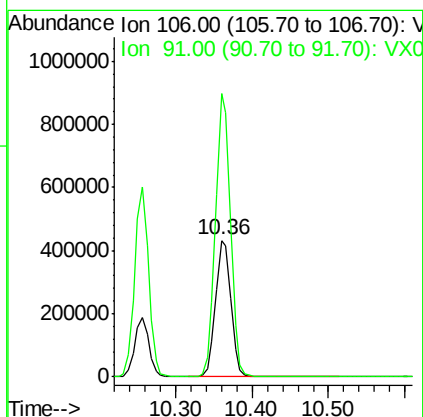
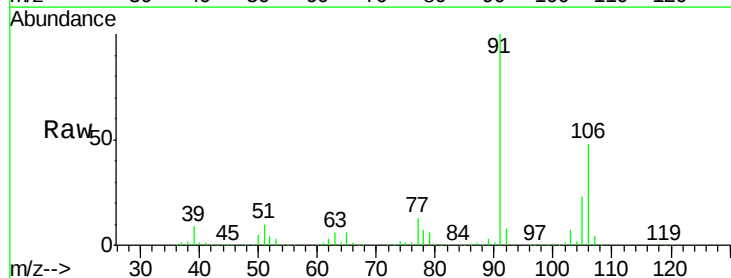
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 91 Resp: 766886
Ion Ratio Lower Upper
91 100
106 31.3 25.5 38.3



#68
m/p-Xylenes
Concen: 102.99 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

Tgt Ion: 106 Resp: 599577
Ion Ratio Lower Upper
106 100
91 203.5 163.4 245.2

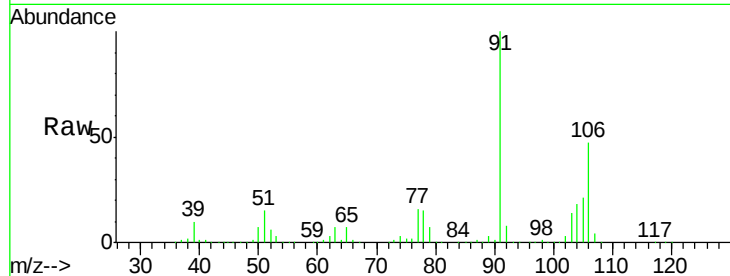




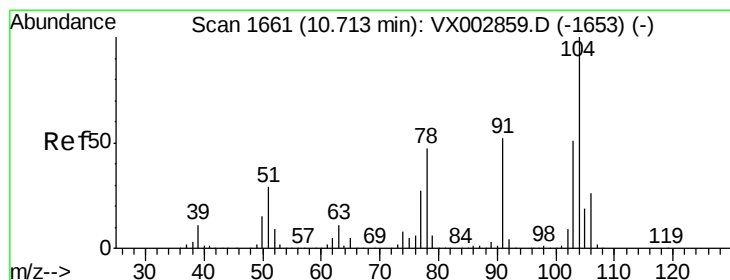
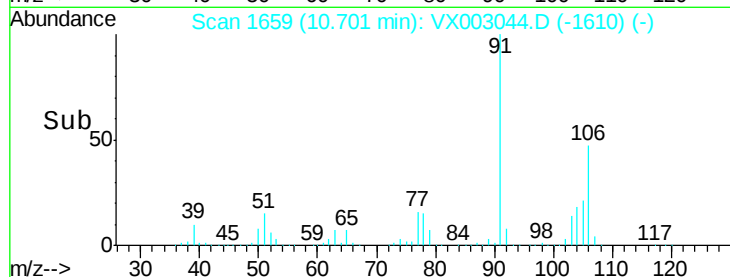
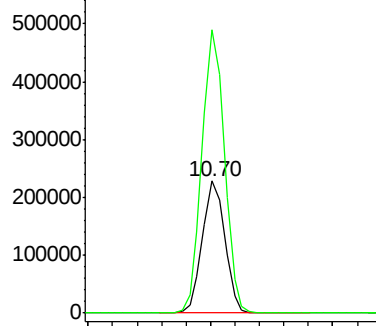
#69
o-Xylene
Concen: 51.35 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 291083
Ion Ratio Lower Upper
106 100
91 213.4 108.2 324.6

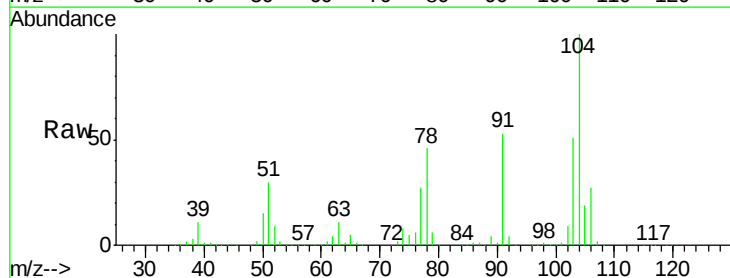


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

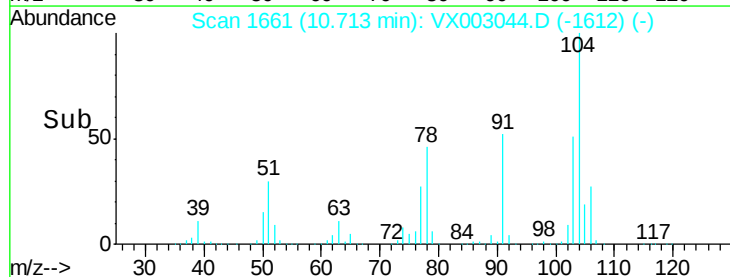
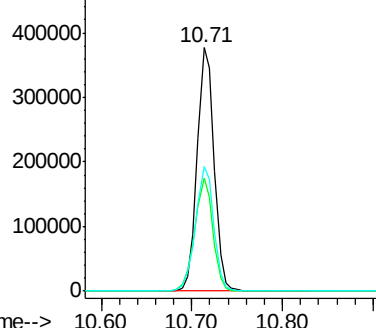


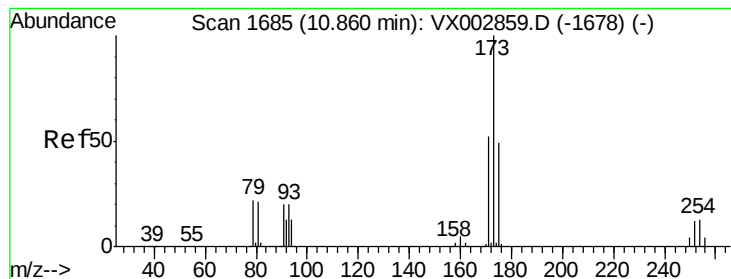
#70
Styrene
Concen: 53.22 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

Tgt Ion:104 Resp: 490229
Ion Ratio Lower Upper
104 100
78 50.1 41.0 61.6
103 55.1 44.2 66.4



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





#71

Bromoform

Concen: 46.76 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :

MSVOA_X

ClientSampled :

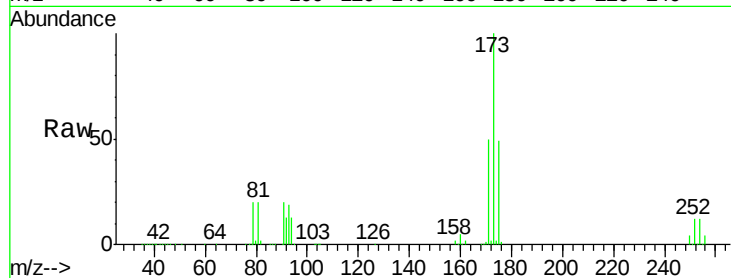
Tot Ion:173 Resp: 139535

Ion Ratio Lower Upper

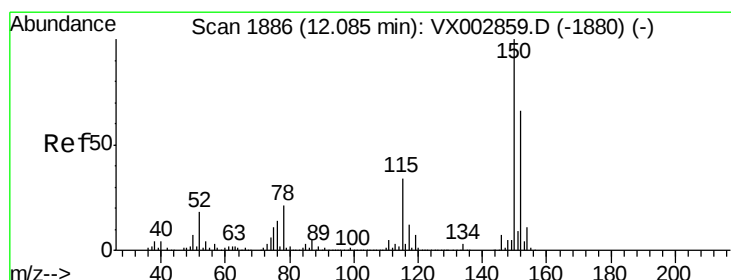
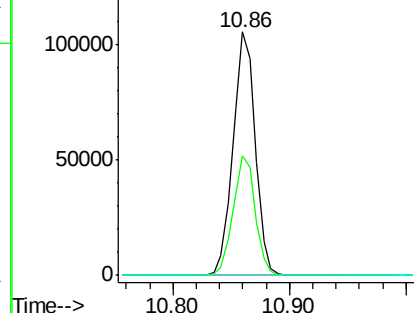
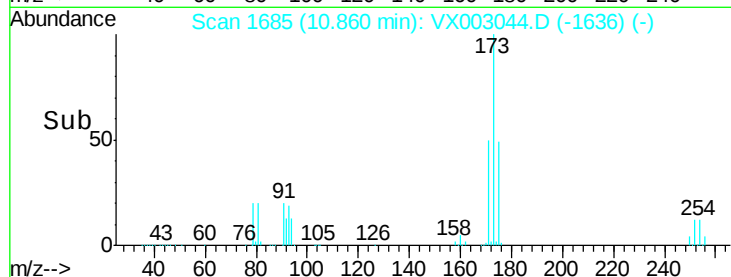
173 100

175 49.0 24.7 74.1

254 0.2 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: VX003044.D

Acq: 29 Jun 2018 22:30

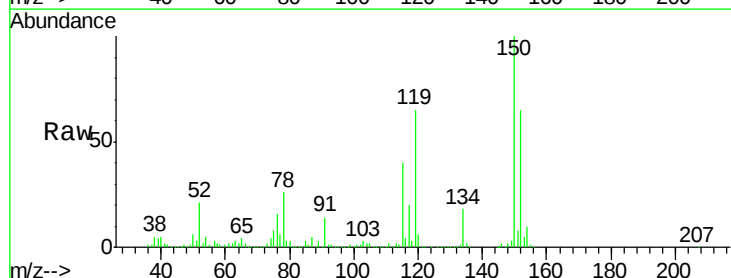
Tgt Ion:152 Resp: 227062

Ion Ratio Lower Upper

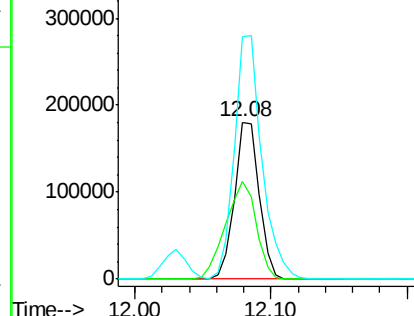
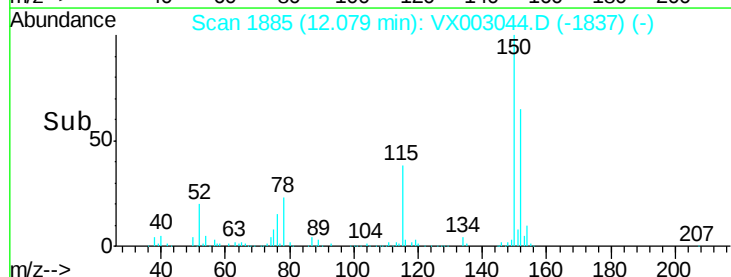
152 100

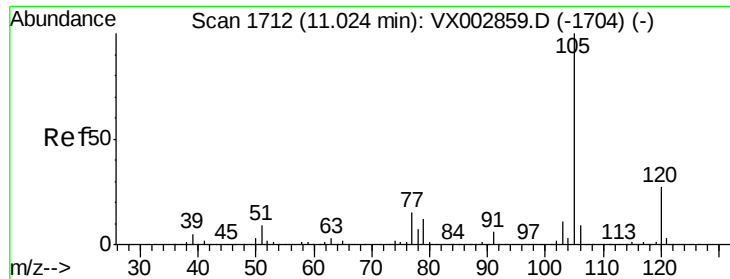
115 77.6 40.1 120.2

150 173.5 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: 51.17 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :

MSVOA_X

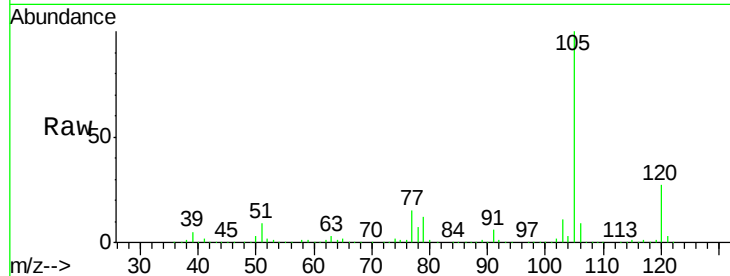
ClientSampleId :

Tot Ion:105 Resp: 781697

Ion Ratio Lower Upper

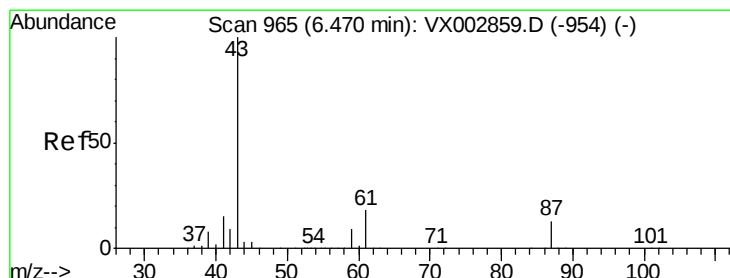
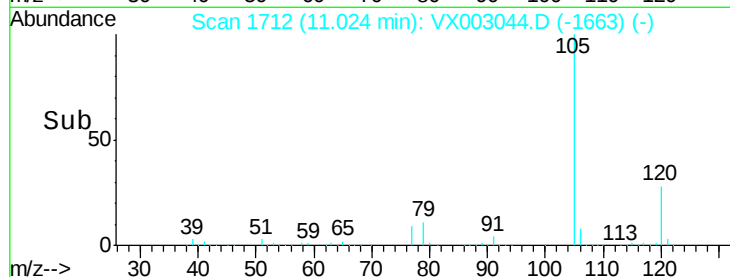
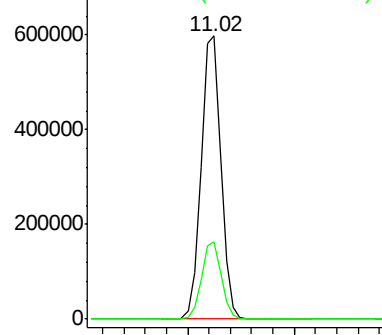
105 100

120 27.2 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: 49.62 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Tgt Ion: 43 Resp: 370881

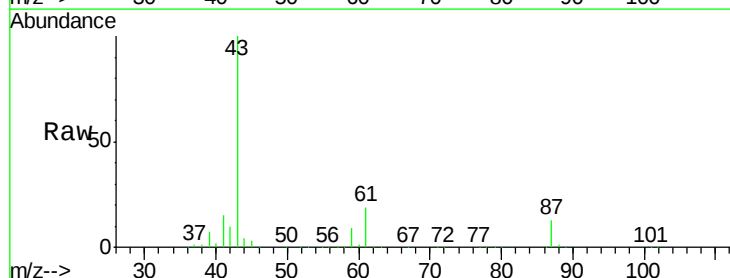
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.6 14.4 21.6

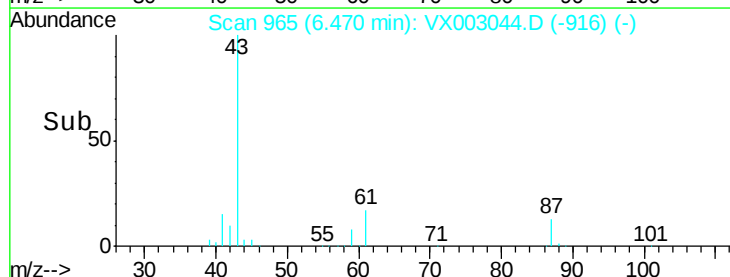
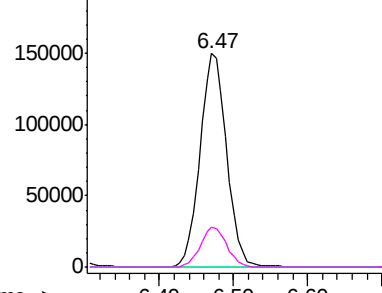


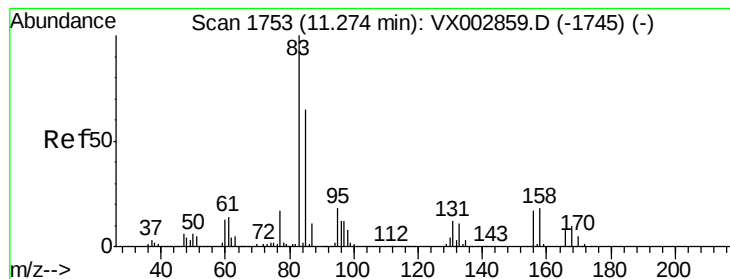
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 51.39 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :

MSVOA_X

ClientSampled :

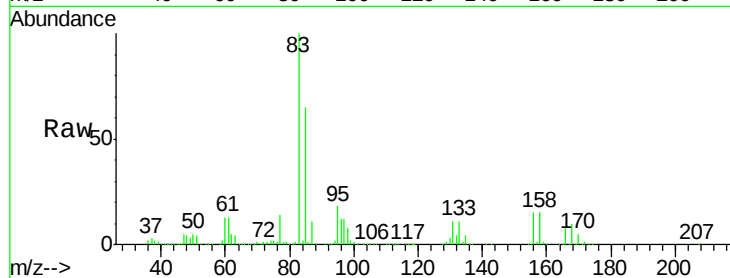
Tot Ion: 83 Resp: 241802

Ion Ratio Lower Upper

83 100

131 11.3 5.6 16.8

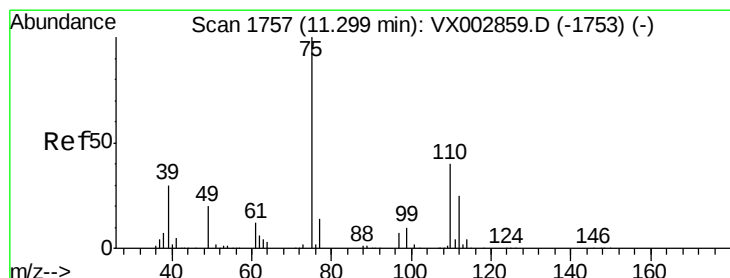
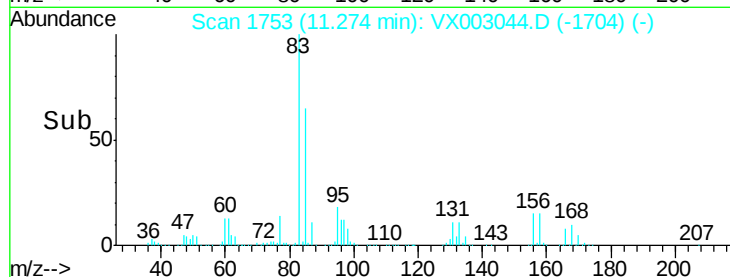
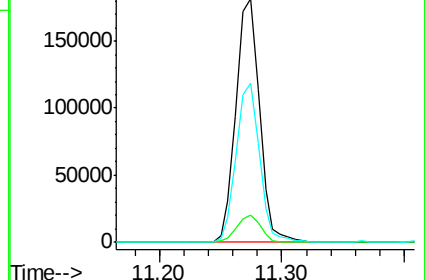
85 64.6 32.4 97.2



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: 66.58 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX003044.D

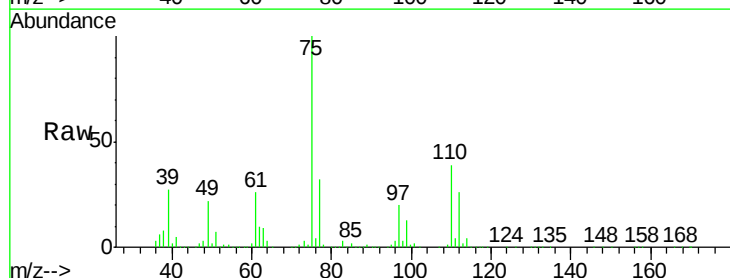
Acq: 29 Jun 2018 22:30

Tgt Ion: 75 Resp: 273828

Ion Ratio Lower Upper

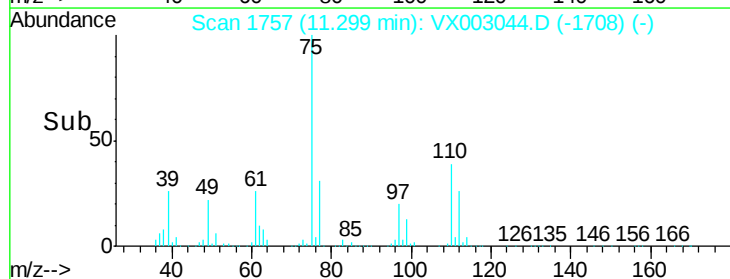
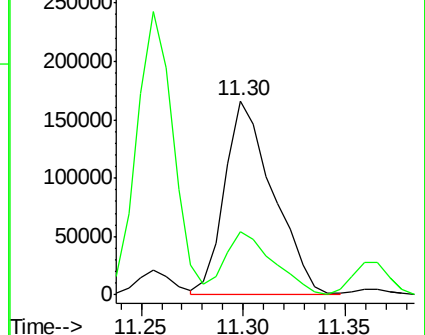
75 100

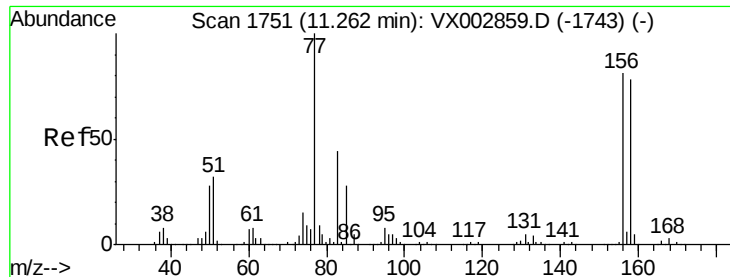
77 32.6 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.24 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :

MSVOA_X

ClientSampled :

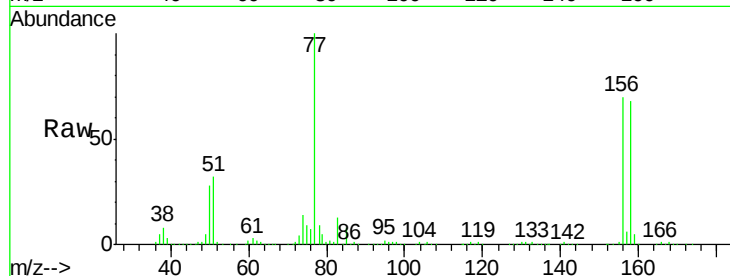
Tot Ion:156 Resp: 218557

Ion Ratio Lower Upper

156 100

77 137.4 71.4 214.2

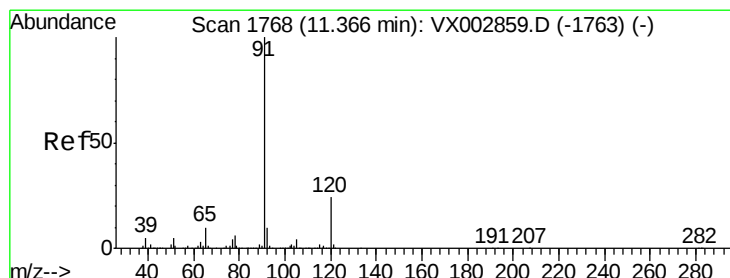
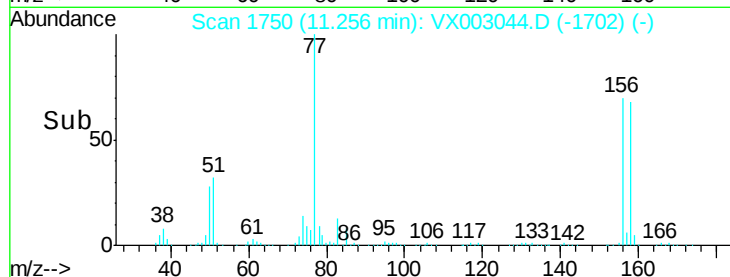
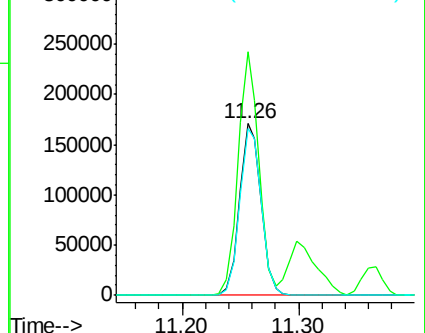
158 97.8 48.9 146.6



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: 50.75 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003044.D

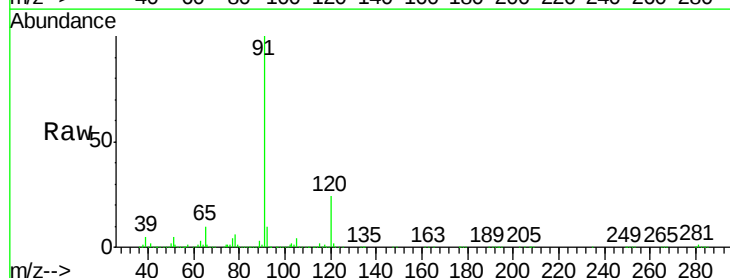
Acq: 29 Jun 2018 22:30

Tgt Ion: 91 Resp: 882404

Ion Ratio Lower Upper

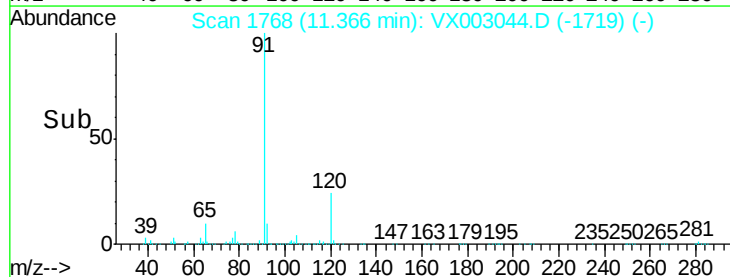
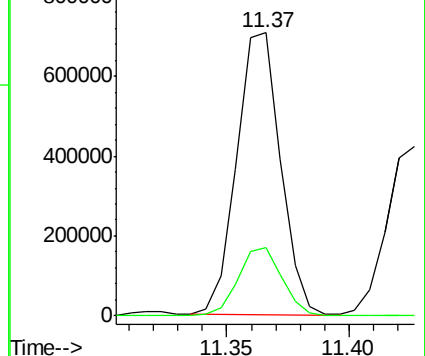
91 100

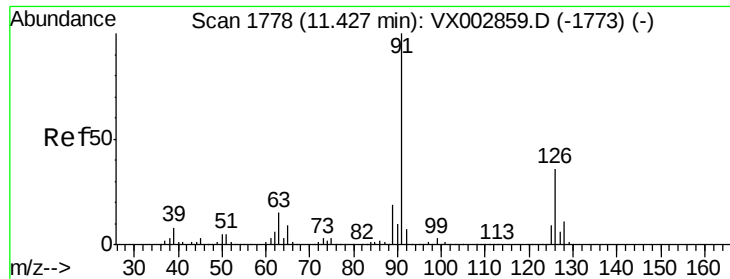
120 24.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.48 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :

MSVOA_X

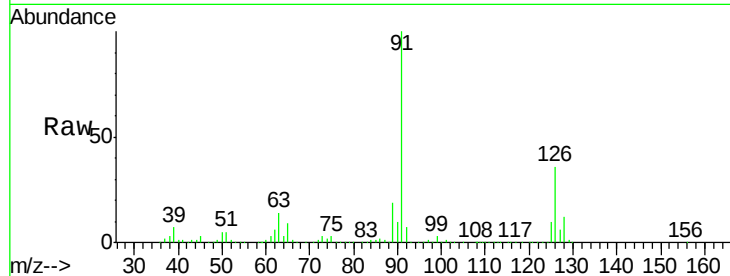
ClientSampleId :

Tot Ion: 91 Resp: 531372

Ion Ratio Lower Upper

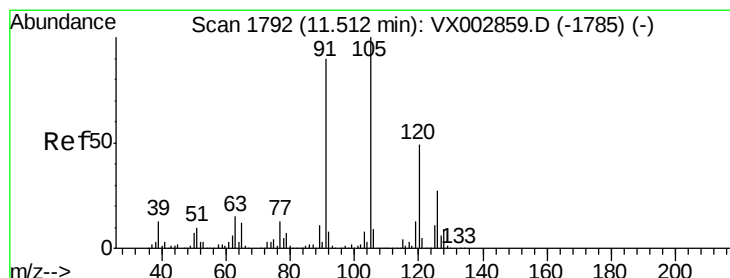
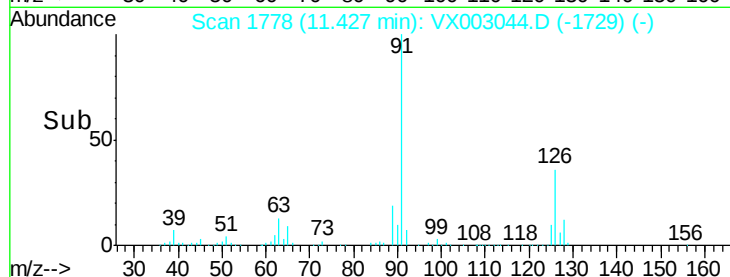
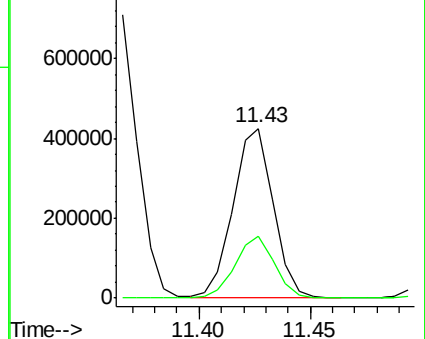
91 100

126 35.9 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX002859.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX002859.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.99 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003044.D

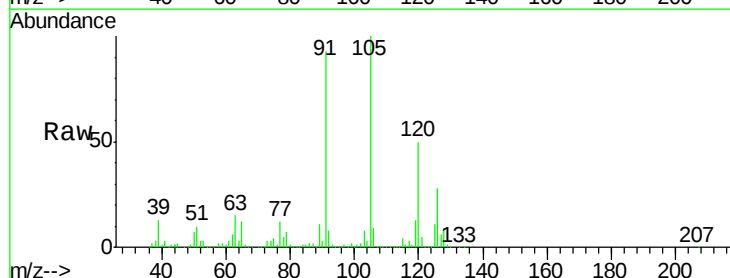
Acq: 29 Jun 2018 22:30

Tgt Ion: 105 Resp: 656003

Ion Ratio Lower Upper

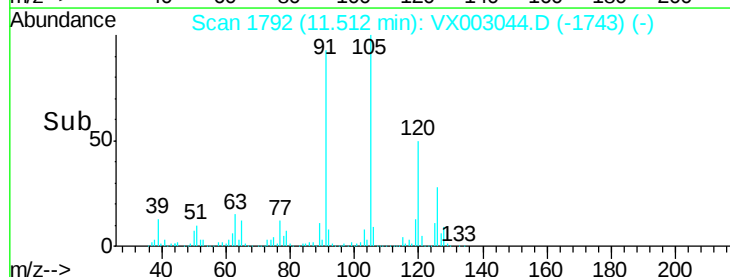
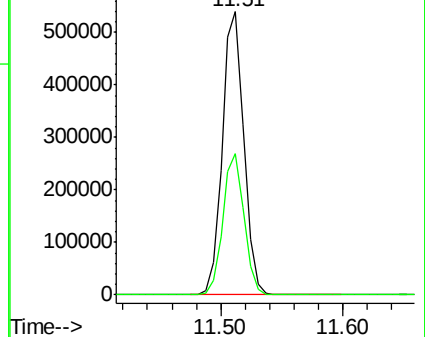
105 100

120 49.1 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002859.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX002859.D (-1785) (-)

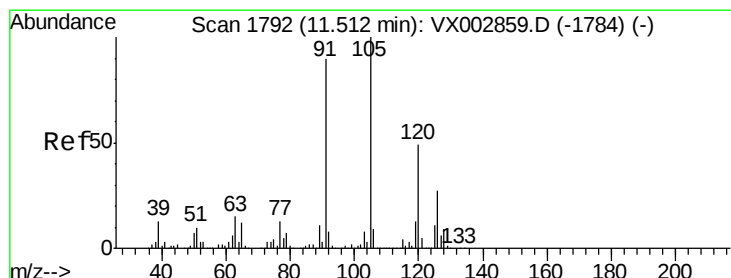
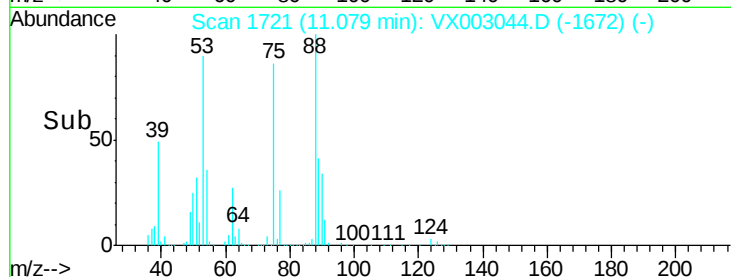
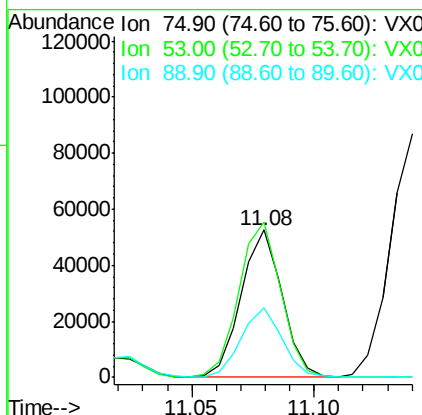
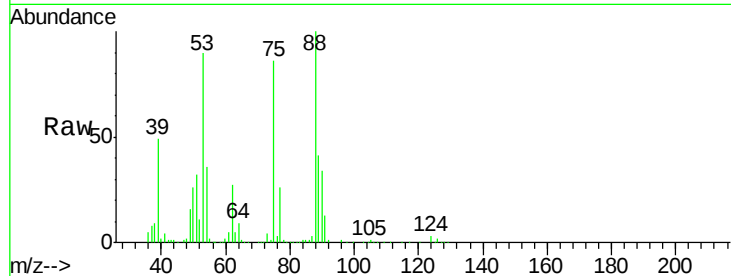




#81
trans-1,4-Dichloro-2-butene
Concen: 43.39 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

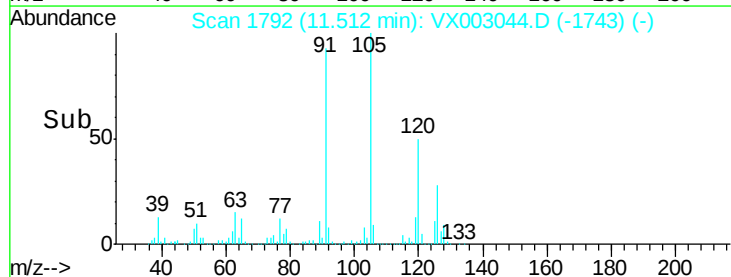
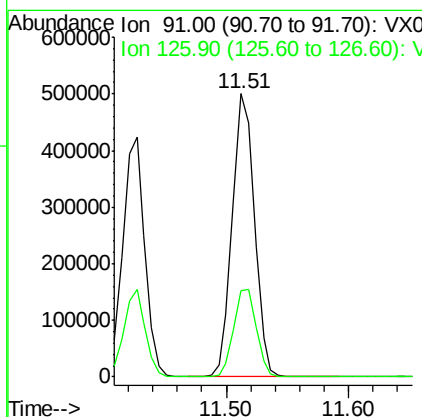
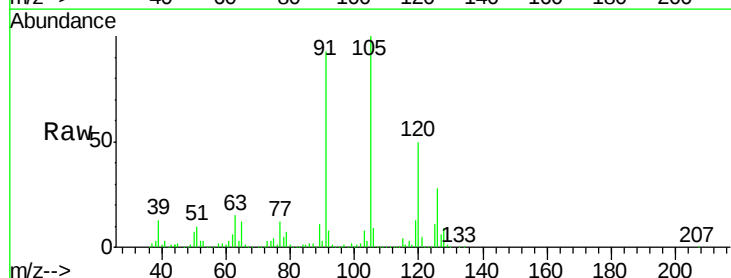
Instrument :
MSVOA_X
ClientSampled :

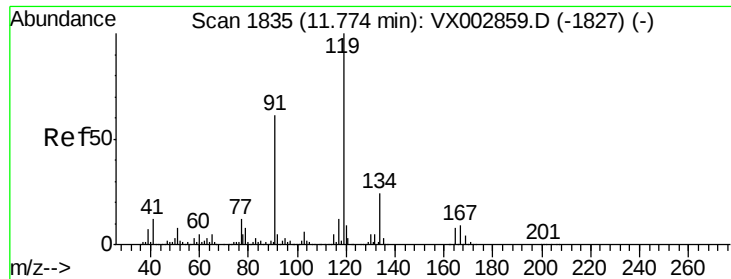
Tot Ion: 75 Resp: 60838
Ion Ratio Lower Upper
75 100
53 108.5 86.8 130.2
89 47.7 38.2 57.2



#82
4-Chlorotoluene
Concen: 50.30 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

Tgt Ion: 91 Resp: 626821
Ion Ratio Lower Upper
91 100
126 31.7 15.4 46.4





#83

tert-Butylbenzene

Concen: 50.53 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :

MSVOA_X

ClientSampleId :

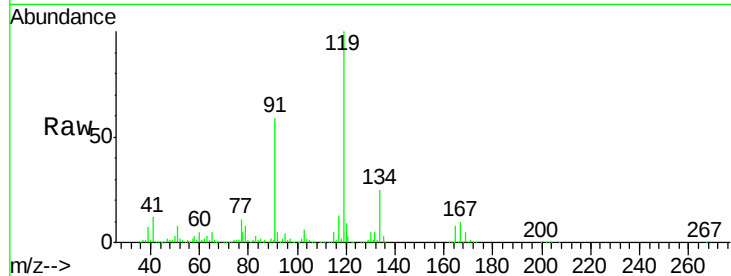
Tot Ion:119 Resp: 640726

Ion Ratio Lower Upper

119 100

91 58.2 30.3 90.9

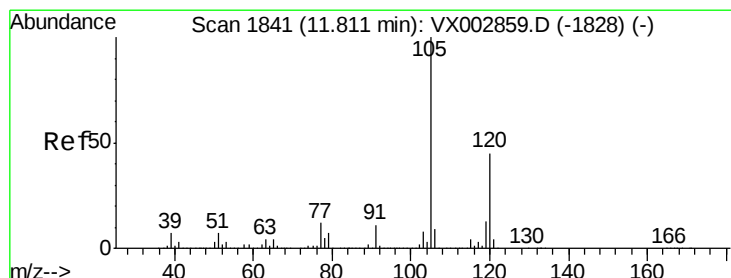
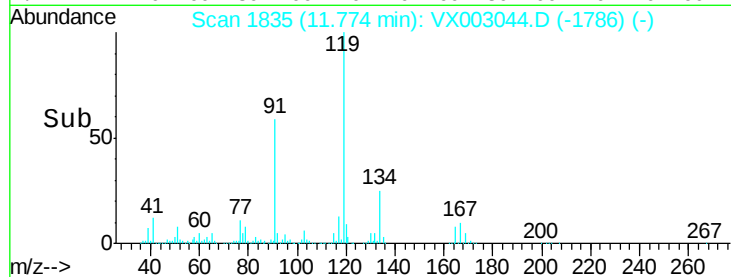
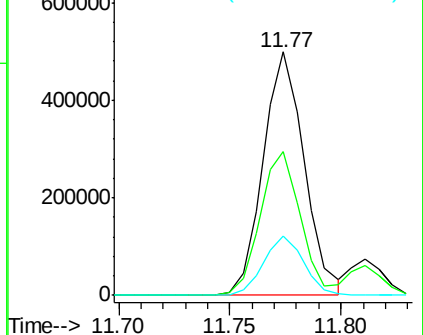
134 23.7 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.17 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003044.D

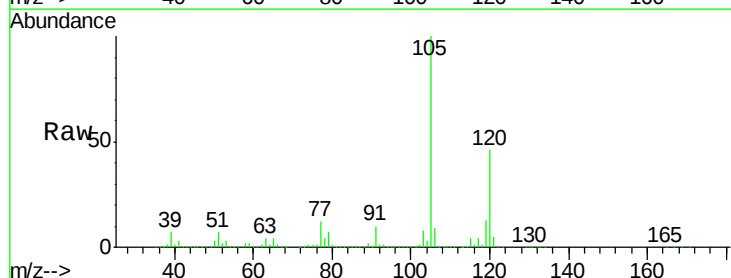
Acq: 29 Jun 2018 22:30

Tgt Ion:105 Resp: 682076

Ion Ratio Lower Upper

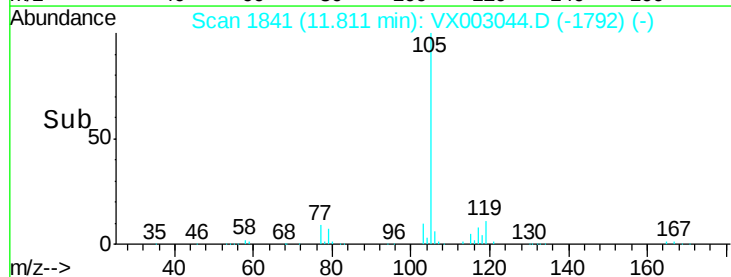
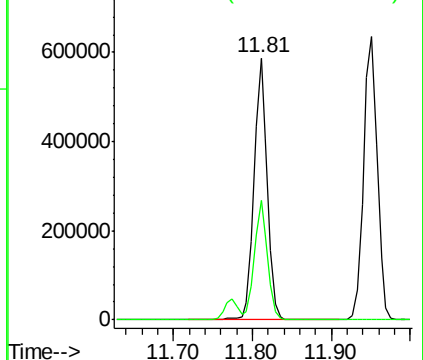
105 100

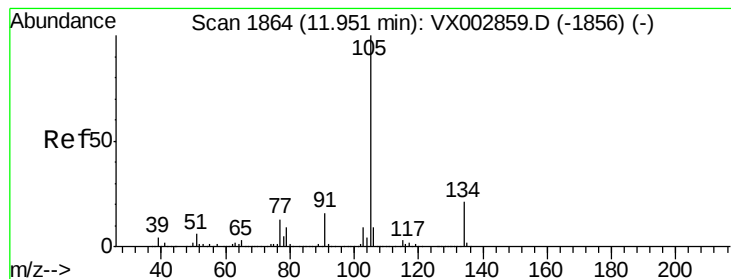
120 45.3 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.54 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :

MSVOA_X

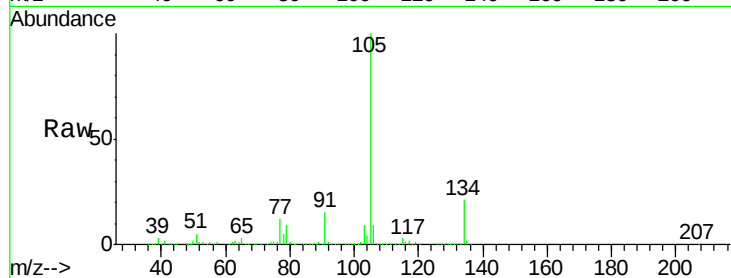
ClientSampleId :

Tot Ion:105 Resp: 762057

Ion Ratio Lower Upper

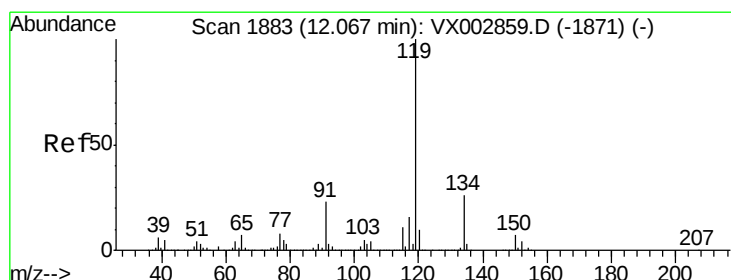
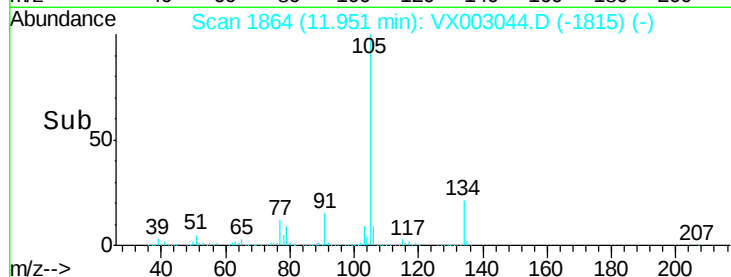
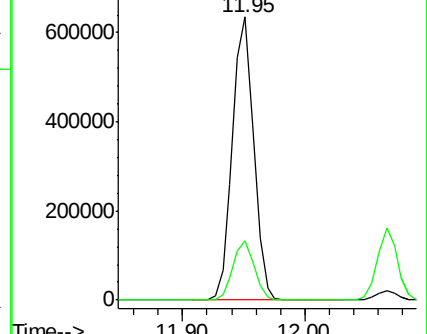
105 100

134 20.9 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.95 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

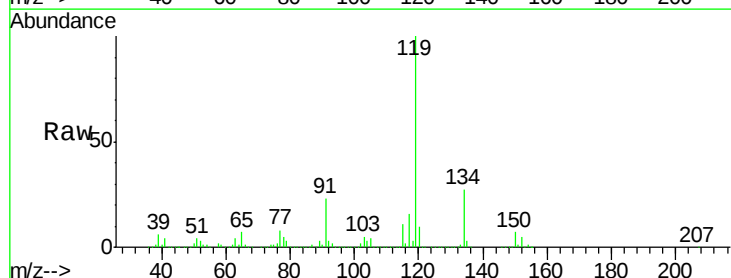
Tgt Ion:119 Resp: 690793

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

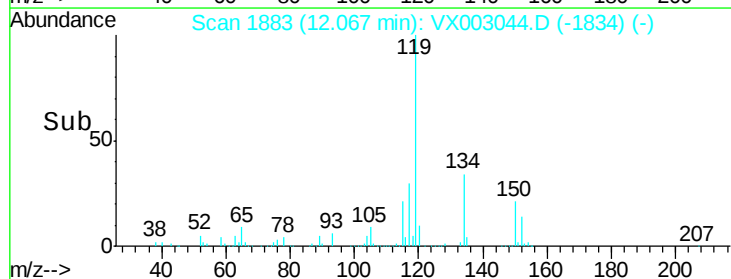
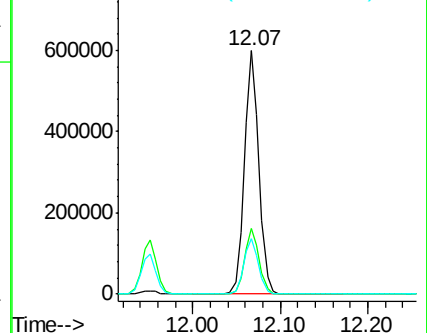
91 23.0 11.9 35.7



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





#87

1,3-Dichlorobenzene

Concen: 49.89 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :

MSVOA_X

ClientSampleId :

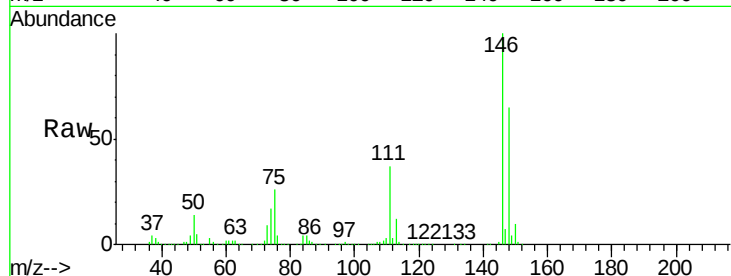
Tot Ion:146 Resp: 396397

Ion Ratio Lower Upper

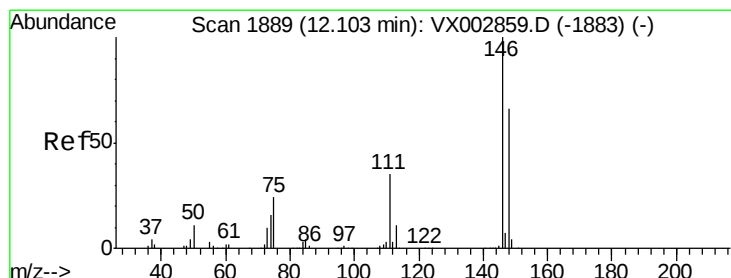
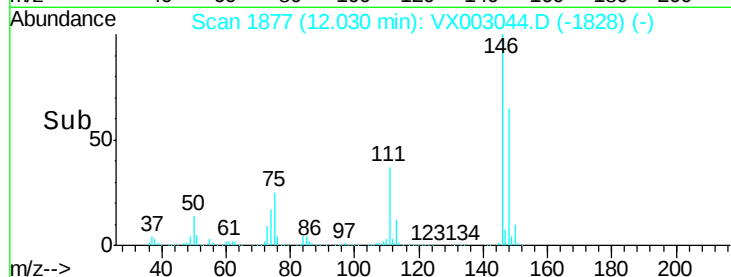
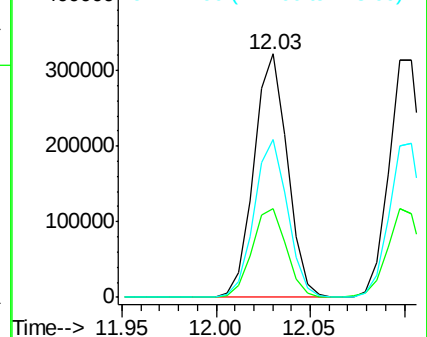
146 100

111 37.4 18.9 56.7

148 64.7 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: 48.94 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

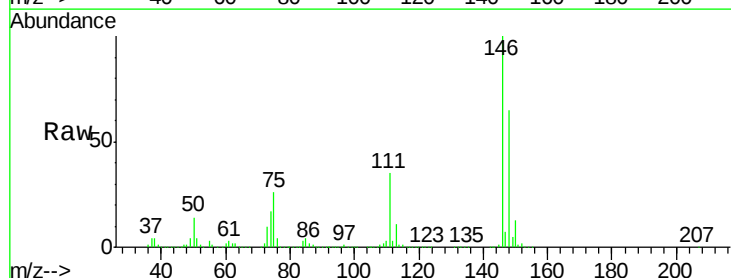
Tgt Ion:146 Resp: 400152

Ion Ratio Lower Upper

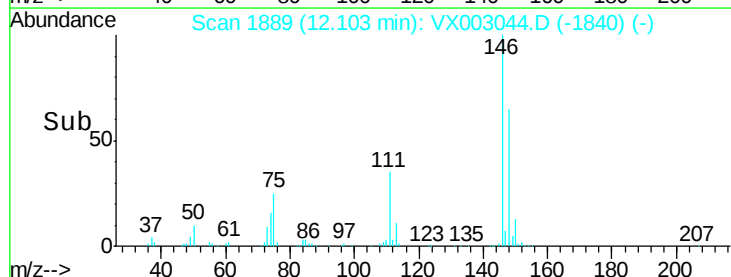
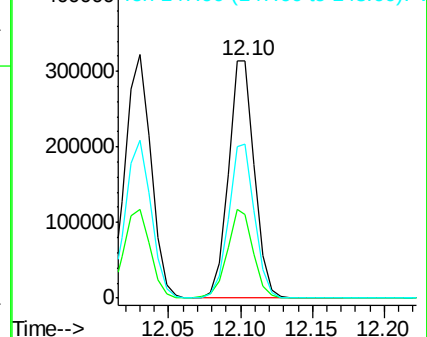
146 100

111 36.7 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

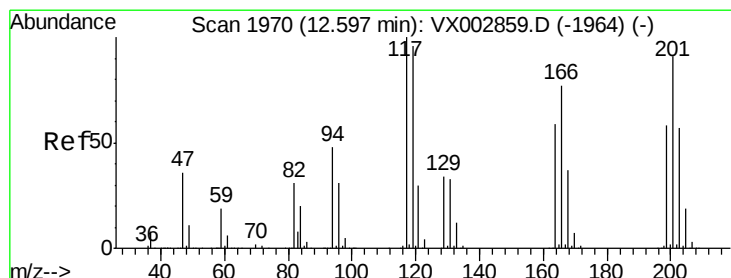
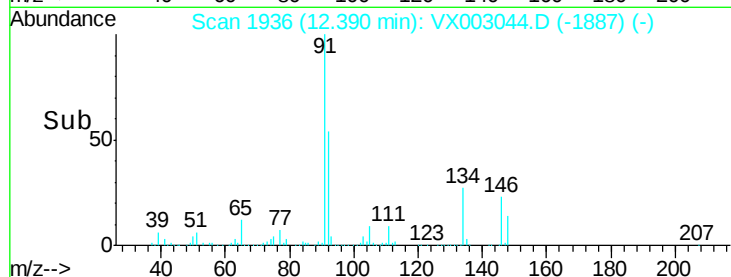
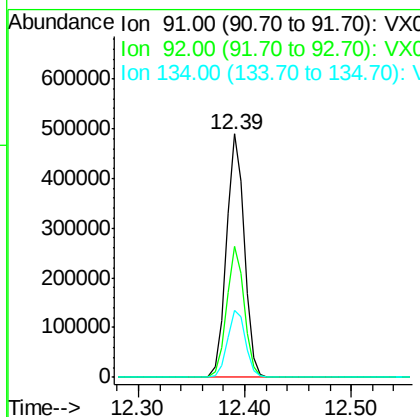
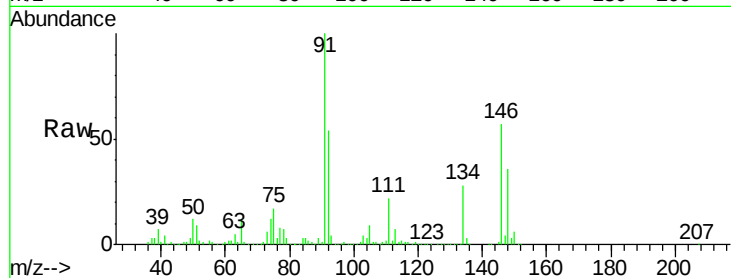




#89
n-Butylbenzene
Concen: 47.59 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

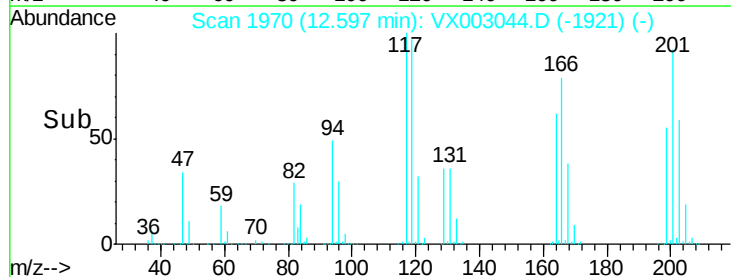
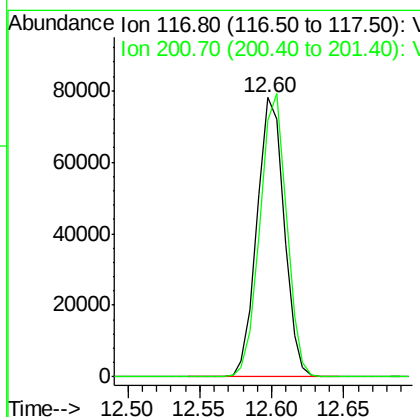
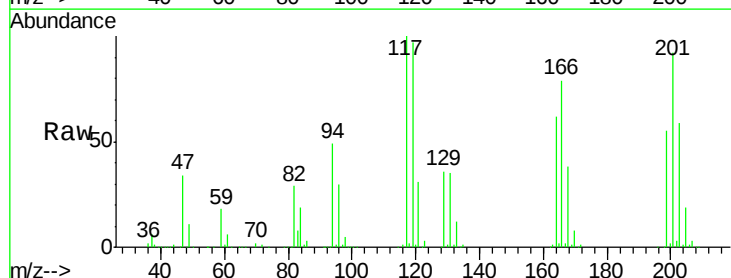
Instrument :
MSVOA_X
ClientSampled :

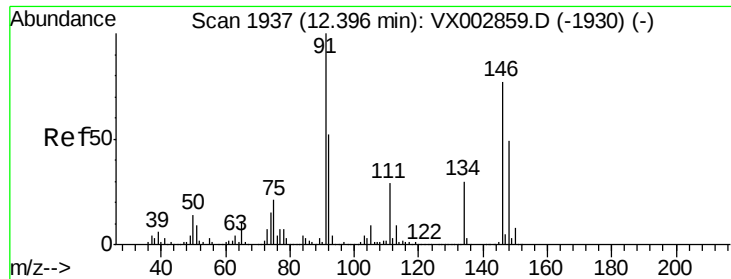
Tot Ion: 91 Resp: 572863
Ion Ratio Lower Upper
91 100
92 53.0 26.0 78.0
134 28.0 13.5 40.5



#90
Hexachloroethane
Concen: 49.22 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

Tgt Ion: 117 Resp: 101248
Ion Ratio Lower Upper
117 100
201 99.4 49.0 147.0

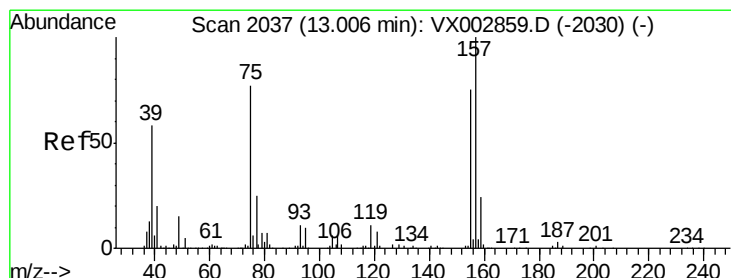
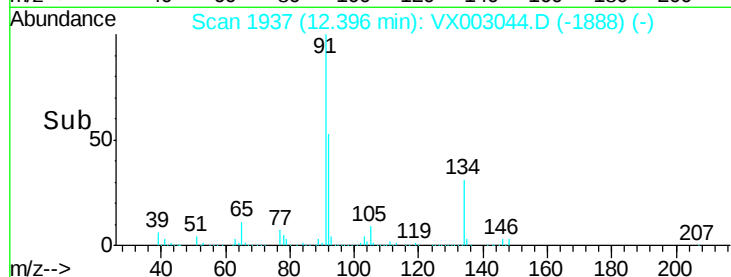
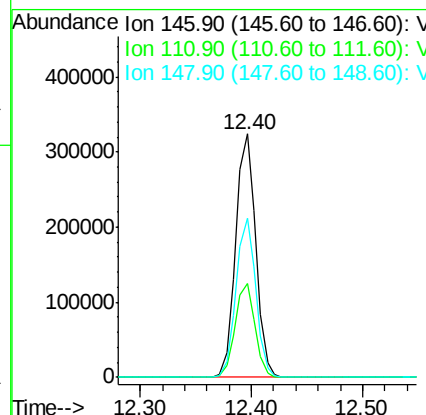
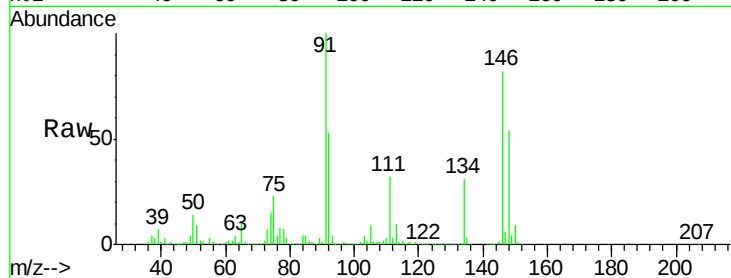




#91
1,2-Dichlorobenzene
Concen: 50.19 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

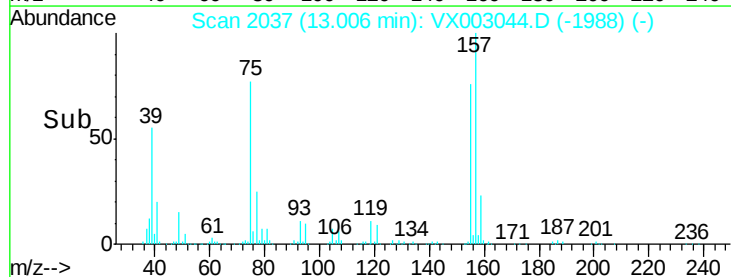
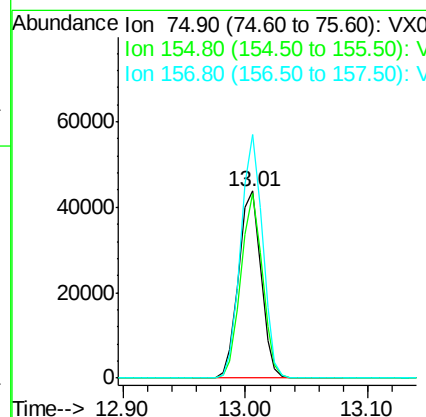
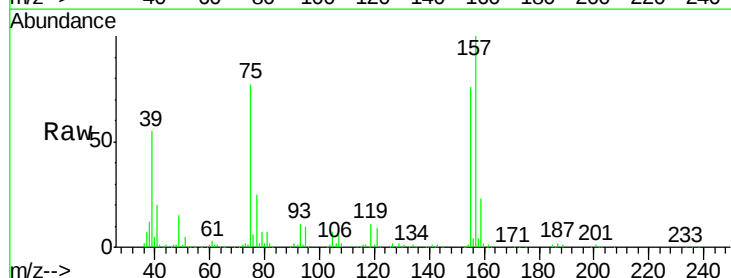
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:146 Resp: 402433
Ion Ratio Lower Upper
146 100
111 38.1 19.4 58.1
148 64.5 31.7 95.1



#92
1,2-Dibromo-3-Chloropropane
Concen: 52.38 ug/l
RT: 13.01 min Scan# 2037
Delta R.T. -0.00 min
Lab File: VX003044.D
Acq: 29 Jun 2018 22:30

Tgt Ion: 75 Resp: 55406
Ion Ratio Lower Upper
75 100
155 94.4 45.8 137.4
157 126.4 60.1 180.3

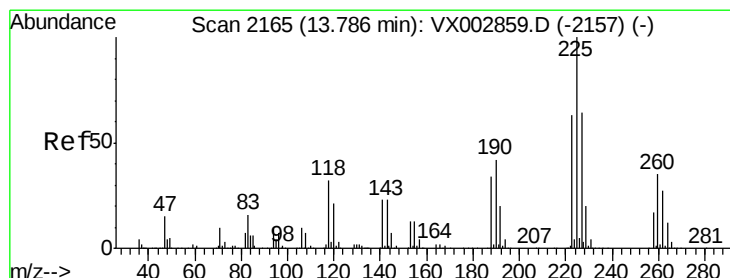
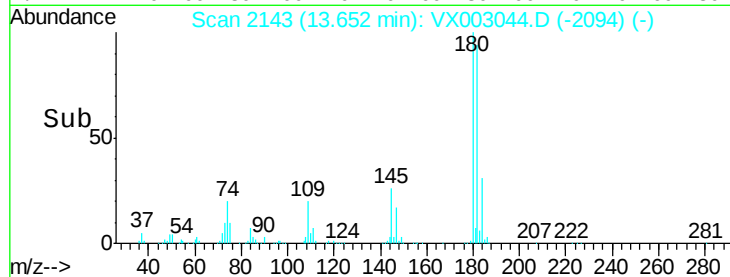
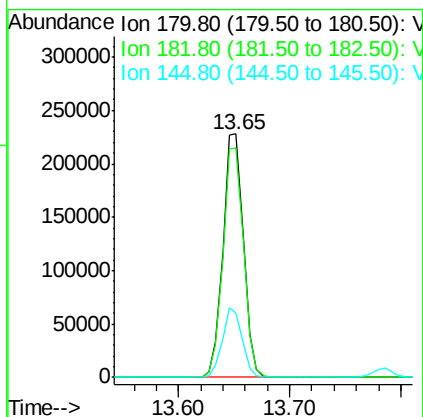
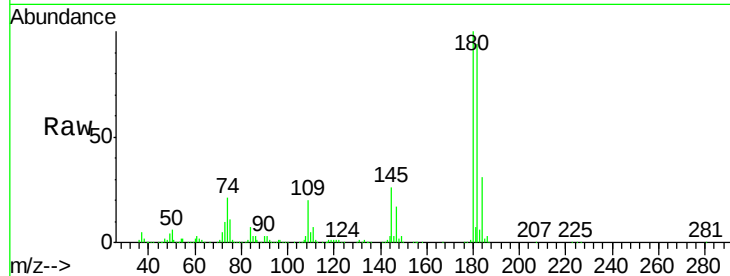




#93
 1,2,4-Trichlorobenzene
 Concen: 49.44 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003044.D
 Acq: 29 Jun 2018 22:30

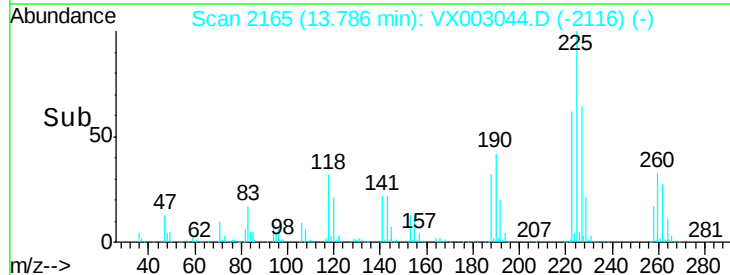
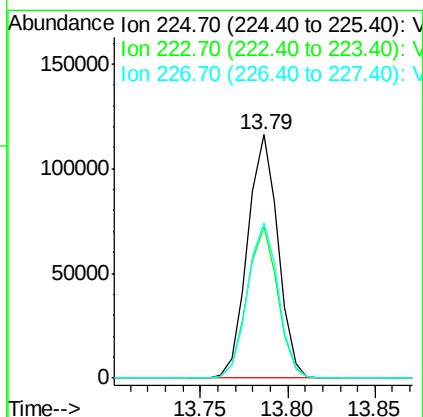
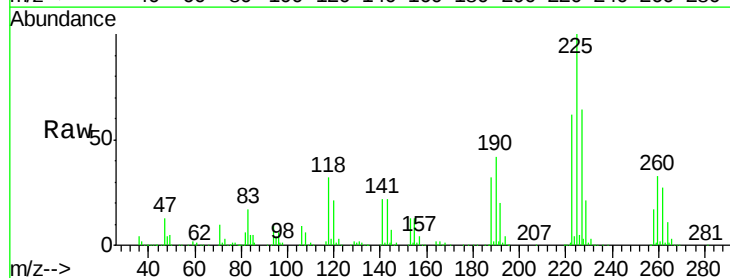
Instrument :
 MSVOA_X
 ClientSampleId :

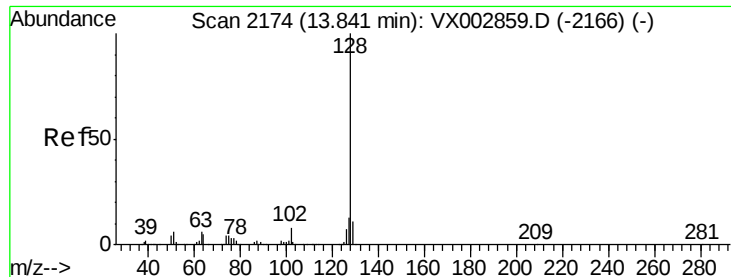
Tot Ion:180 Resp: 288526
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.7 143.1
 145 27.6 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 48.12 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003044.D
 Acq: 29 Jun 2018 22:30

Tgt Ion:225 Resp: 140071
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.6 95.0
 227 64.4 32.4 97.2





#95

Naphthalene

Concen: 53.88 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

Instrument :

MSVOA_X

ClientSampleId :

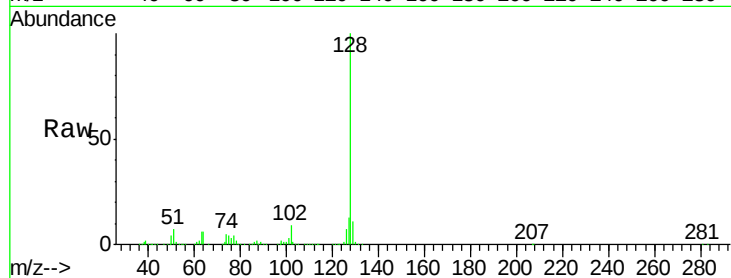
Tot Ion:128 Resp: 837474

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

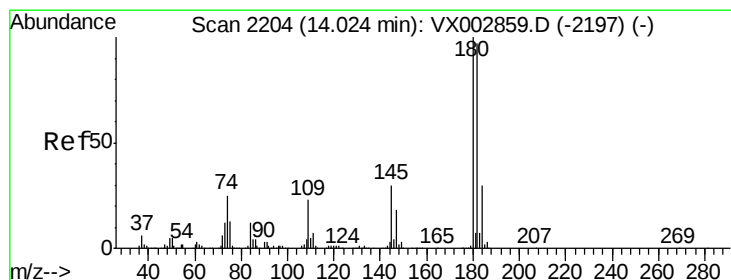
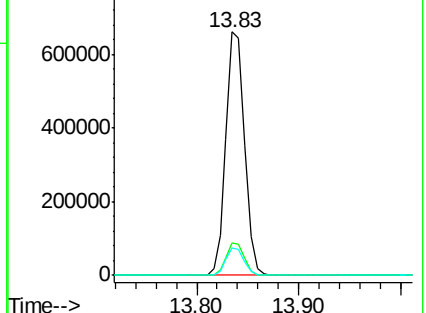
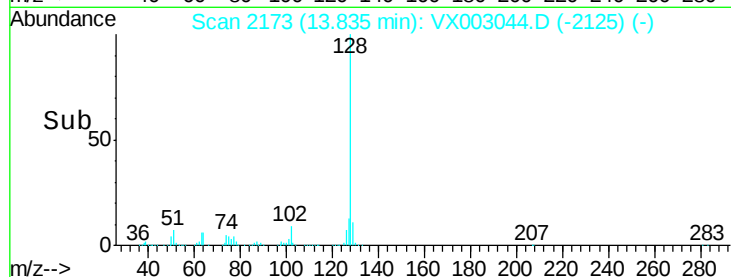
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.09 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003044.D

Acq: 29 Jun 2018 22:30

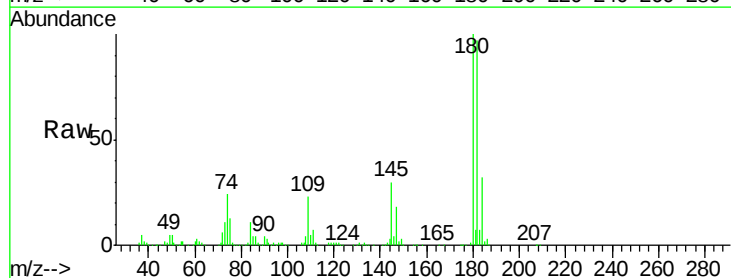
Tgt Ion:180 Resp: 291969

Ion Ratio Lower Upper

180 100

182 97.0 48.0 144.0

145 29.6 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

