

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062218\
 Data File : VX002847.D
 Acq On : 22 Jun 2018 22:38
 Operator : JC/MD
 Sample : J3631-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 23 00:28:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	235871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	323006	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	305392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	195304	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	154985	43.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.48%	
35) Dibromofluoromethane	5.51	113	122308	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
50) Toluene-d8	8.72	98	469861	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
62) 4-Bromofluorobenzene	11.14	95	174861	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	626	0.21	ug/l #	70
5) Bromomethane	1.67	94	1325	0.71	ug/l	87
6) Chloroethane	1.84	64	674	0.33	ug/l #	79
10) Methyl Iodide	2.53	142	1977	5.65	ug/l #	91
11) Tert butyl alcohol	3.07	59	540	0.73	ug/l #	73
13) Acrolein	2.27	56	868	9.29	ug/l	96
14) Allyl chloride	2.62	41	2460	0.47	ug/l #	81
15) Acrylonitrile	3.17	53	4257	2.63	ug/l #	37
16) Acetone	2.45	43	10689	6.76	ug/l	95
17) Carbon Disulfide	2.58	76	3411	0.55	ug/l #	91
18) Methyl Acetate	2.84	43	135554	32.18	ug/l #	55
20) Methylene Chloride	2.84	84	1447	0.45	ug/l #	1
21) trans-1,2-Dichloroethene	3.17	96	1870	0.65	ug/l #	80
25) 2-Butanone	4.71	43	2107	1.01	ug/l #	55
27) cis-1,2-Dichloroethene	4.61	96	1541	0.53	ug/l #	1
31) Cyclohexane	5.58	56	258538	61.11	ug/l	96
36) 1,1-Dichloropropene	5.67	75	16326	4.76	ug/l #	51
38) Carbon Tetrachloride	5.67	117	22135	6.48	ug/l #	14
39) Methylcyclohexane	7.46	83	278355	69.41	ug/l	100
40) Benzene	6.15	78	3032847	294.84	ug/l	100
42) 1,2-Dichloroethane	6.15	62	29000	7.28	ug/l #	77
43) Isopropyl Acetate	6.45	43	5439	0.85	ug/l #	63
44) Trichloroethene	7.22	130	7040	2.37	ug/l	98
45) 1,2-Dichloropropane	7.46	63	3405	1.26	ug/l #	1
47) Bromodichloromethane	7.86	83	1328	0.42	ug/l #	83
48) Methyl methacrylate	7.73	41	21014	6.39	ug/l #	54
49) 1,4-Dioxane	7.63	88	29	0.47	ug/l #	1
51) 4-Methyl-2-Pentanone	8.68	43	20953	5.07	ug/l #	67
52) Toluene	8.79	92	89062	13.57	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	229	2.45	ug/l #	57
54) cis-1,3-Dichloropropene	9.05	75	141	3.25	ug/l #	1
55) 1,1,2-Trichloroethane	9.17	97	41825	15.77	ug/l #	18
56) Ethyl methacrylate	9.16	69	9479	2.32	ug/l #	1
59) 2-Hexanone	9.31	43	846	0.27	ug/l	98

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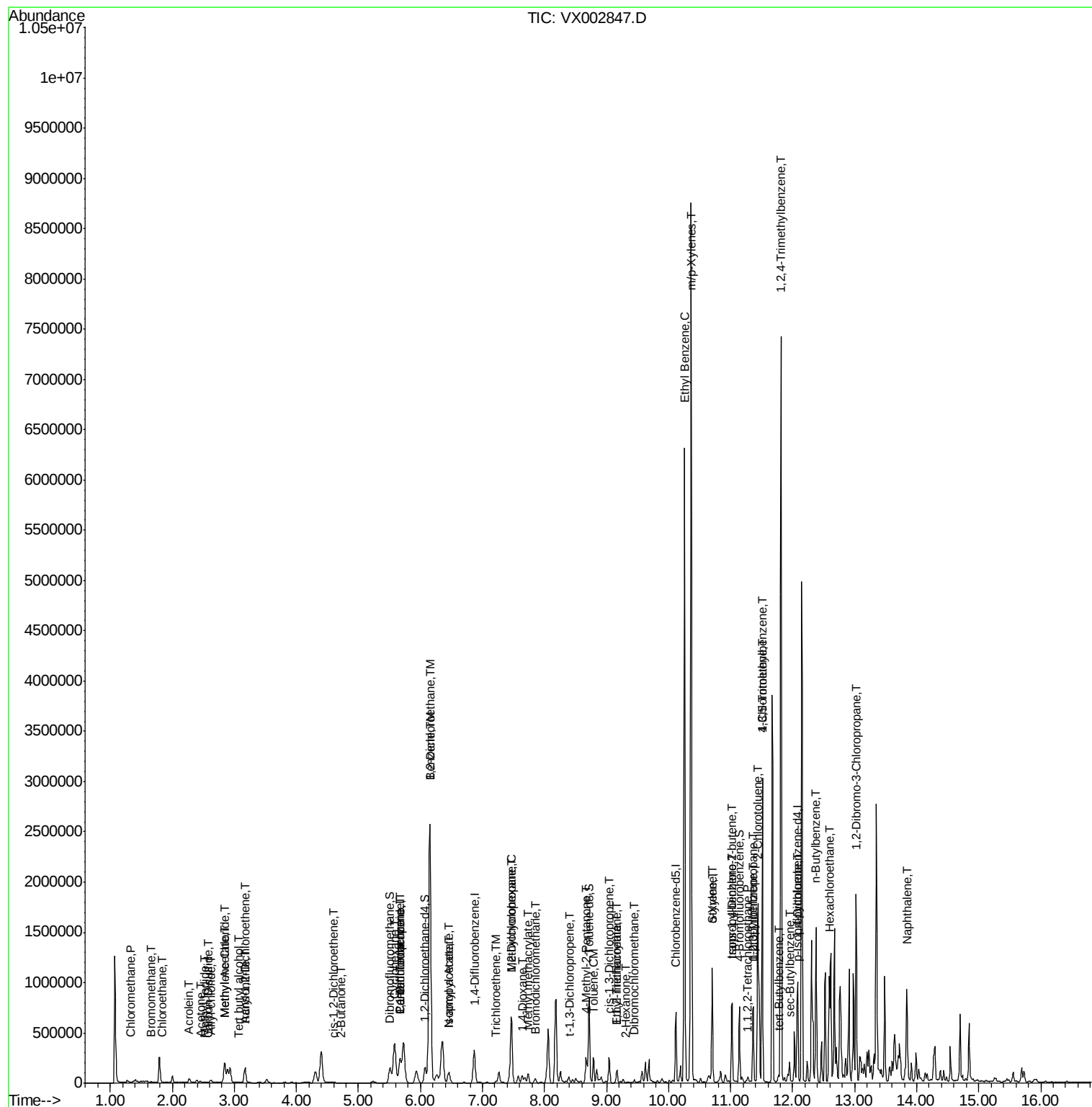
60) Dibromochloromethane	9.45	129	64	3.78	ug/l #	11
67) Ethyl Benzene	10.26	91	3446743	272.47	ug/l	100
68) m/p-Xylenes	10.37	106	2064890	423.16	ug/l	98
69) o-Xylene	10.70	106	231492	48.28	ug/l	99
70) Styrene	10.70	104	12150	1.54	ug/l #	1
73) Isopropylbenzene	11.02	105	412105	31.55	ug/l	100
74) N-amyl acetate	6.45	43	5439	0.84	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	11.28	83	2565	0.66	ug/l #	38
76) 1,2,3-Trichloropropane	11.37	75	3438	0.93	ug/l #	1
78) n-propylbenzene	11.37	91	456574	30.48	ug/l	100
79) 2-Chlorotoluene	11.44	91	168550	18.85	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	1246403	112.91	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.02	75	5103	8.24	ug/l #	67
82) 4-Chlorotoluene	11.51	91	137521	13.03	ug/l #	44
83) tert-Butylbenzene	11.77	119	23281	2.19	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	3052569	271.00	ug/l	97
85) sec-Butylbenzene	11.95	105	99228	7.50	ug/l	81
86) p-Isopropyltoluene	12.07	119	129001	10.78	ug/l	99
89) n-Butylbenzene	12.38	91	156077	14.79	ug/l #	1
90) Hexachloroethane	12.59	117	47512	26.76	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.02	75	5593	6.92	ug/l #	1
95) Naphthalene	13.84	128	562104	42.85	ug/l	98

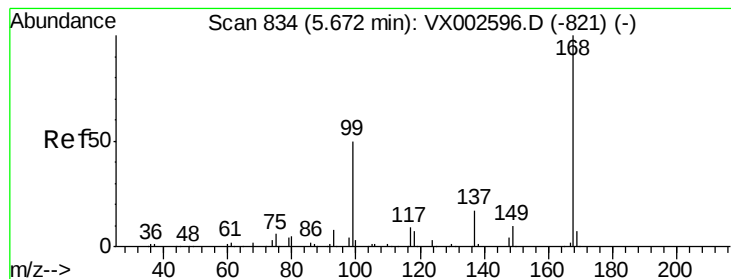
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002847.D

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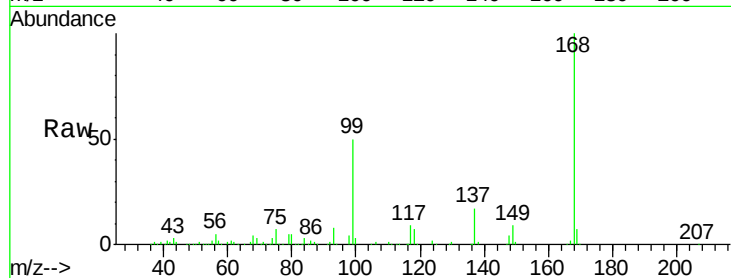
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 235871

Ion Ratio Lower Upper

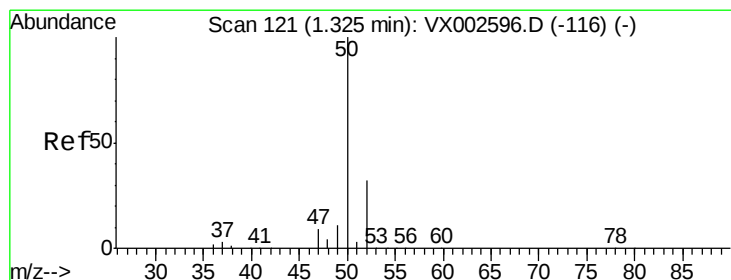
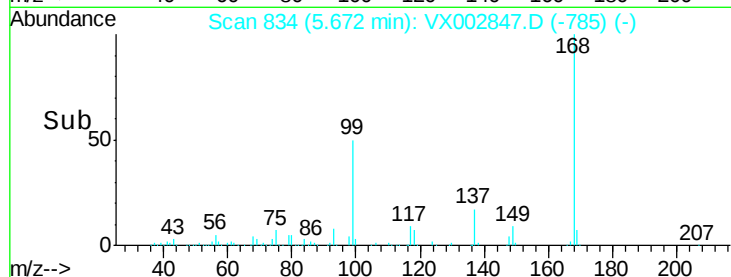
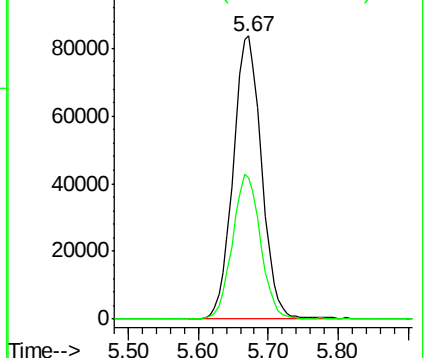
168 100

99 50.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.21 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002847.D

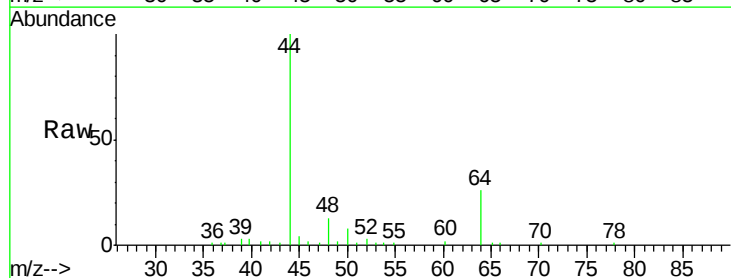
Acq: 22 Jun 2018 22:38

Tgt Ion: 50 Resp: 626

Ion Ratio Lower Upper

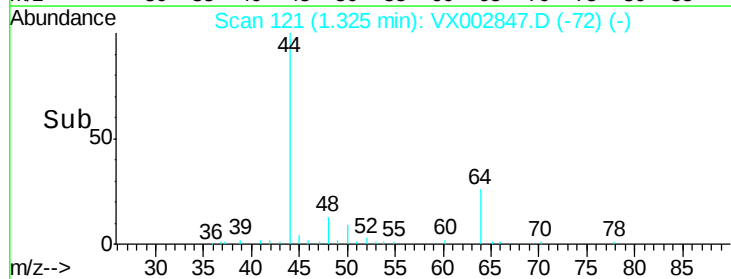
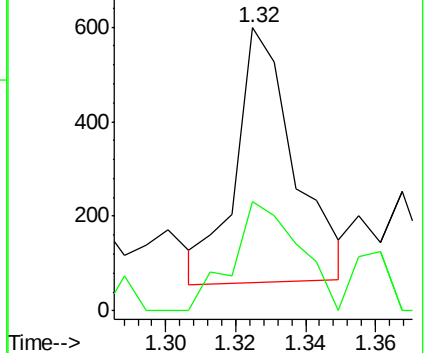
50 100

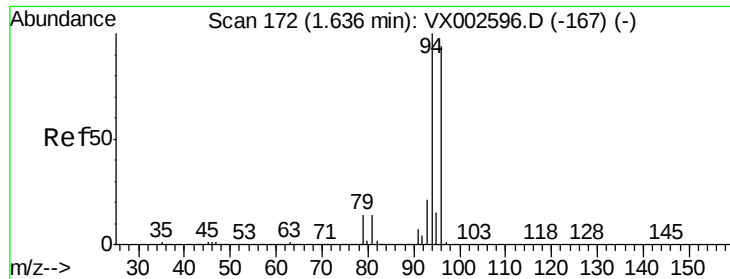
52 48.9 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.71 ug/l

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

Instrument :

MSVOA_X

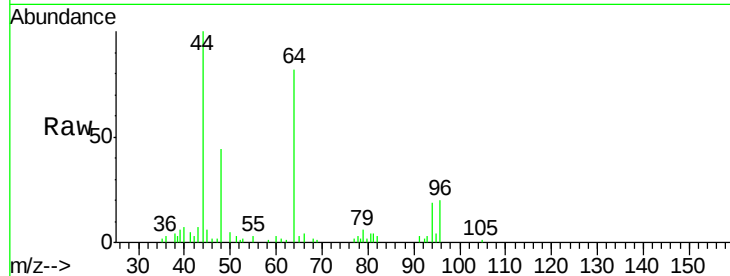
ClientSampleId :

Tot Ion: 94 Resp: 1325

Ion Ratio Lower Upper

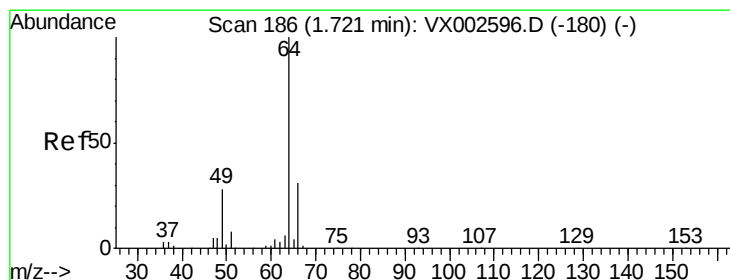
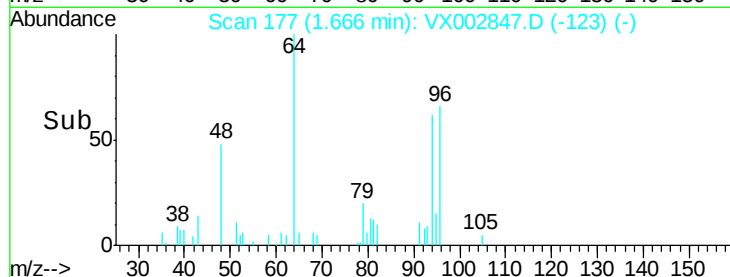
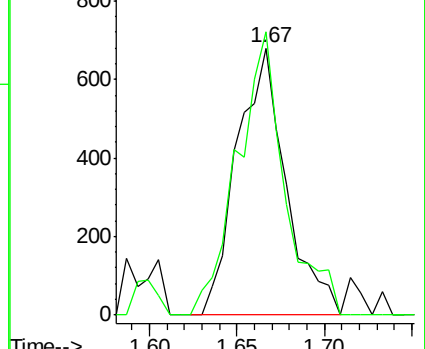
94 100

96 106.0 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: 0.33 ug/l

RT: 1.84 min Scan# 206

Delta R.T. 0.12 min

Lab File: VX002847.D

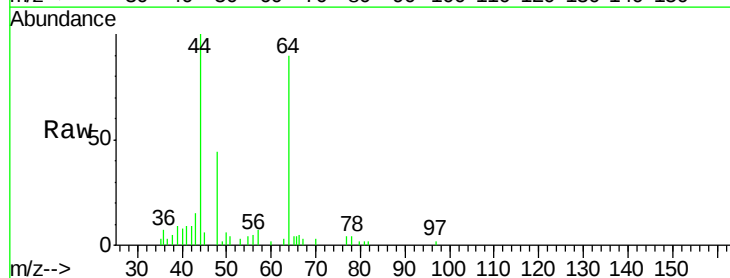
Acq: 22 Jun 2018 22:38

Tgt Ion: 64 Resp: 674

Ion Ratio Lower Upper

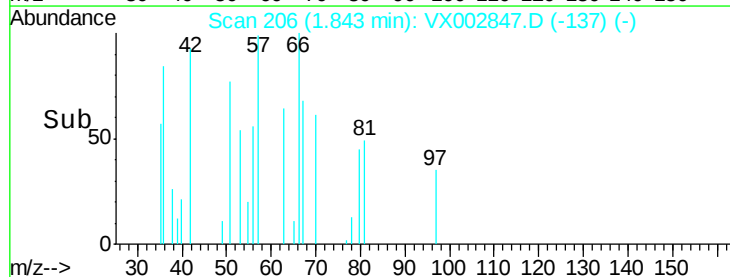
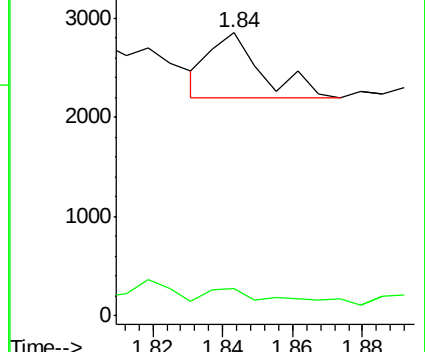
64 100

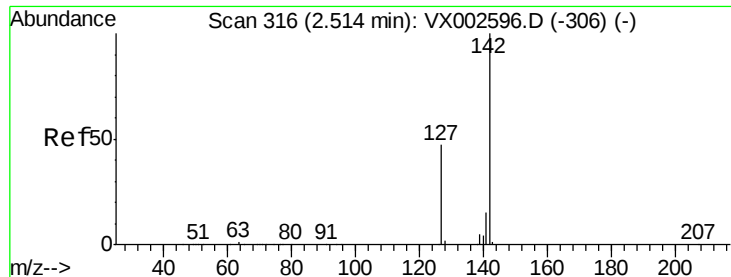
66 20.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

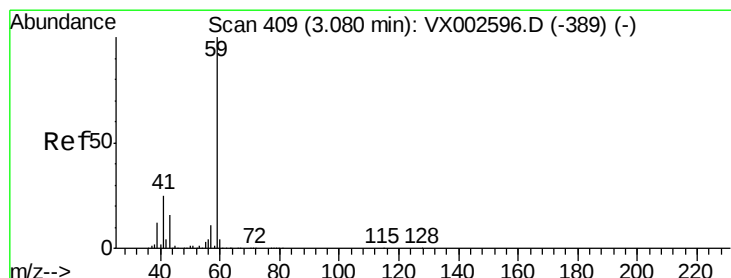
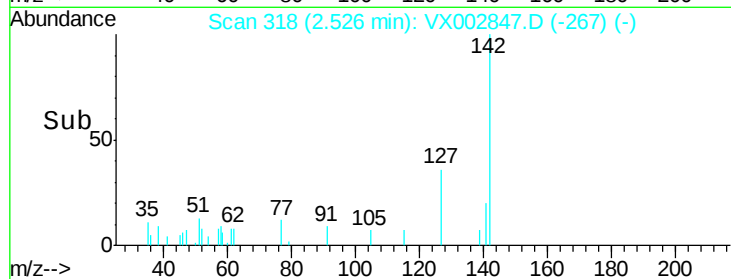
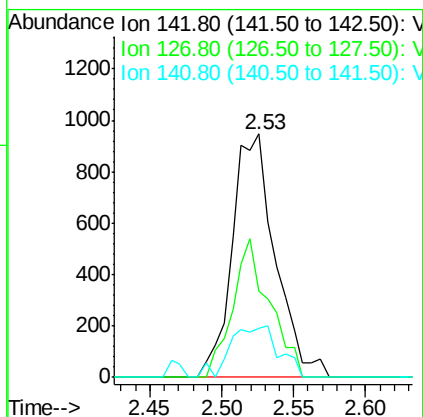
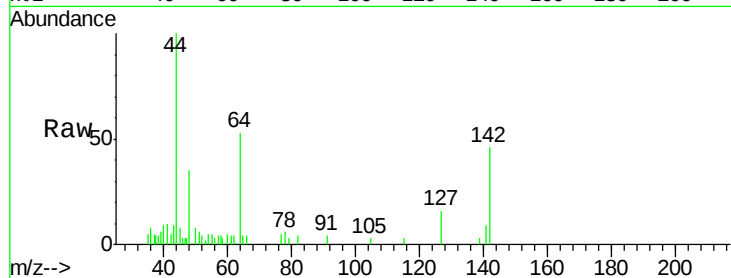




#10
Methyl Iodide
Concen: 5.65 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX002847.D
Acq: 22 Jun 2018 22:38

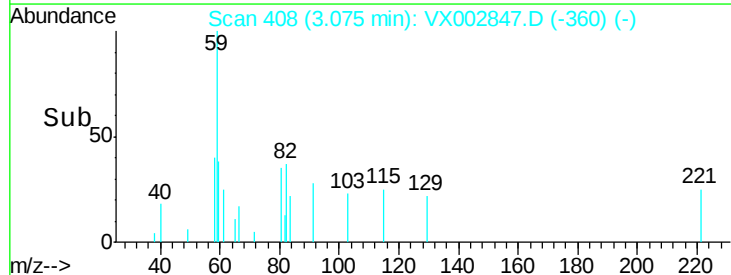
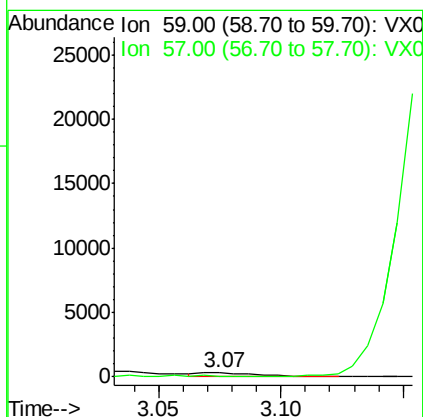
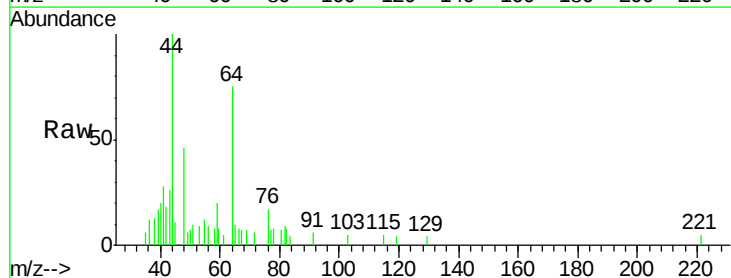
Instrument :
MSVOA_X
ClientSampled :

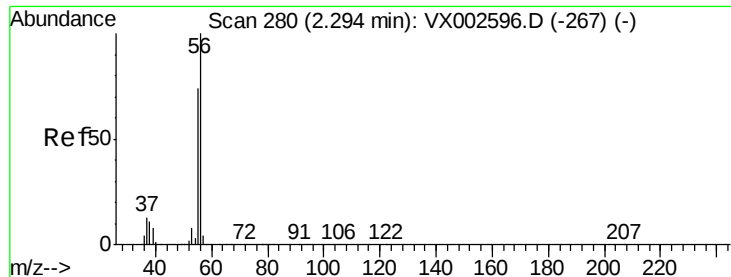
Tot Ion:142 Resp: 1977
Ion Ratio Lower Upper
142 100
127 48.7 36.6 55.0
141 23.8 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.73 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002847.D
Acq: 22 Jun 2018 22:38

Tgt Ion: 59 Resp: 540
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

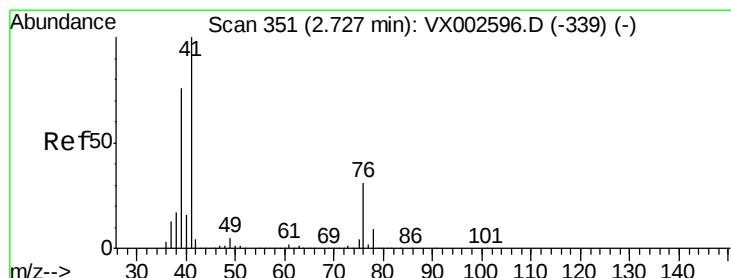
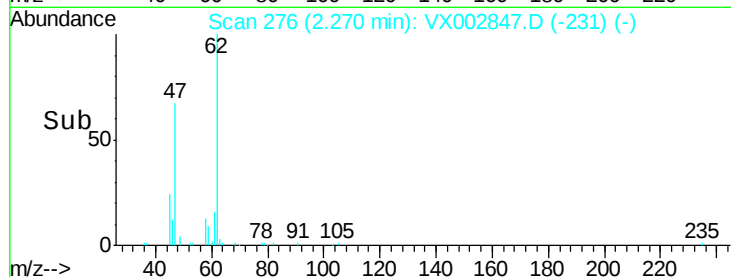
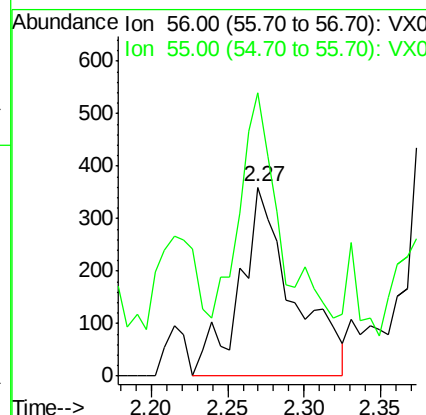
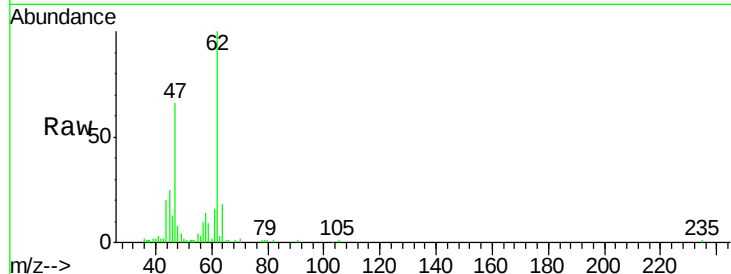




#13
Acrolein
Concen: 9.29 ug/l
RT: 2.27 min Scan# 276
Delta R.T. -0.02 min
Lab File: VX002847.D
Acq: 22 Jun 2018 22:38

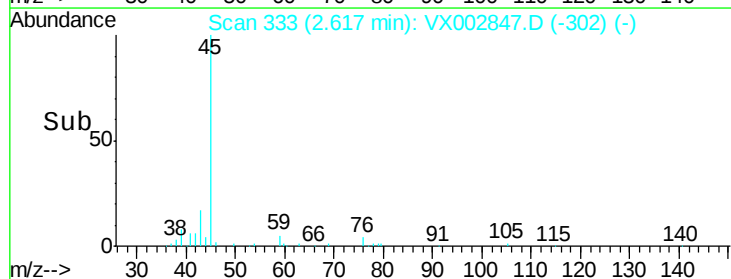
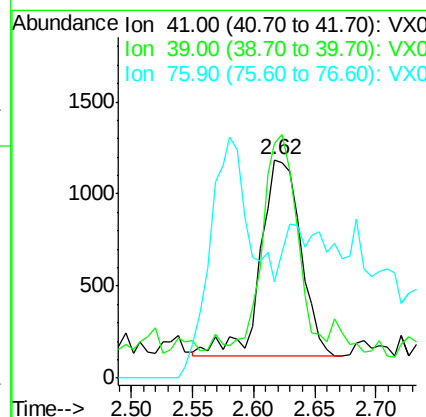
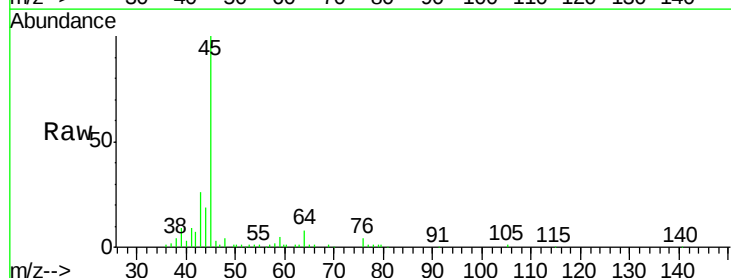
Instrument :
MSVOA_X
ClientSampled :

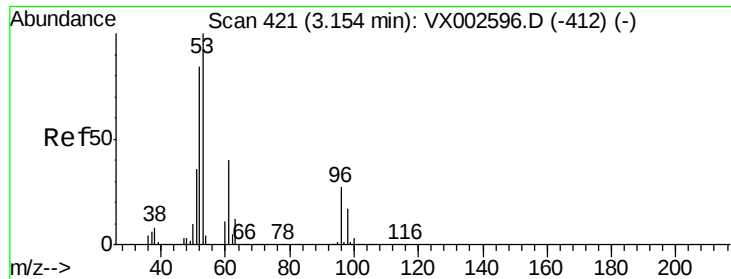
Tot Ion: 56 Resp: 868
Ion Ratio Lower Upper
56 100
55 74.5 57.0 85.4



#14
Allyl chloride
Concen: 0.47 ug/l
RT: 2.62 min Scan# 333
Delta R.T. -0.11 min
Lab File: VX002847.D
Acq: 22 Jun 2018 22:38

Tgt Ion: 41 Resp: 2460
Ion Ratio Lower Upper
41 100
39 88.3 56.8 85.2#
76 37.9 23.8 35.8#





#15

Acrylonitrile

Concen: 2.63 ug/l

RT: 3.17 min Scan# 423

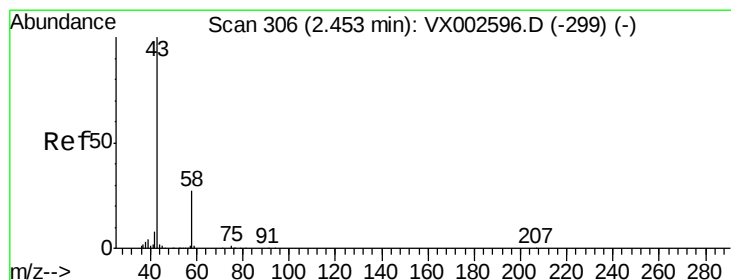
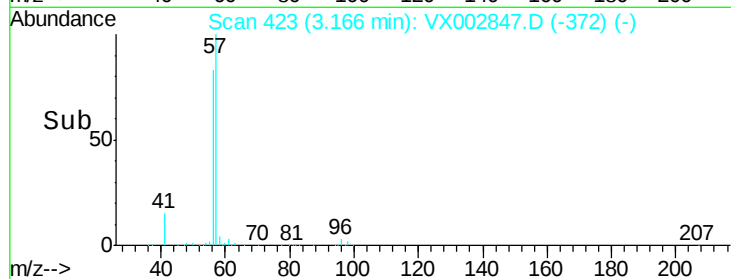
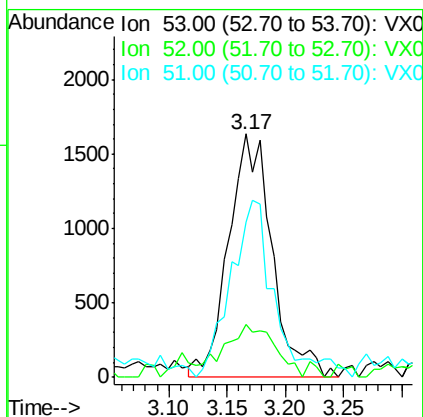
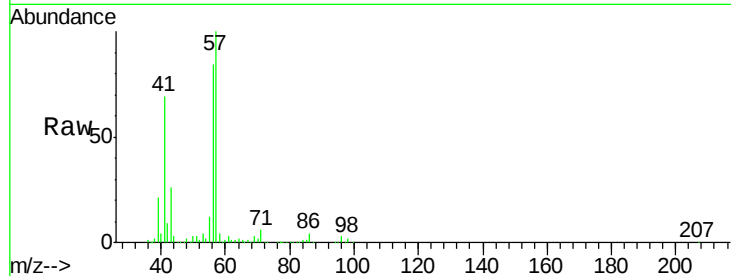
Delta R.T. 0.01 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 53 Resp: 4257
Ion Ratio Lower Upper
53 100
52 25.0 66.7 100.1#
51 72.8 29.9 44.9#



#16

Acetone

Concen: 6.76 ug/l

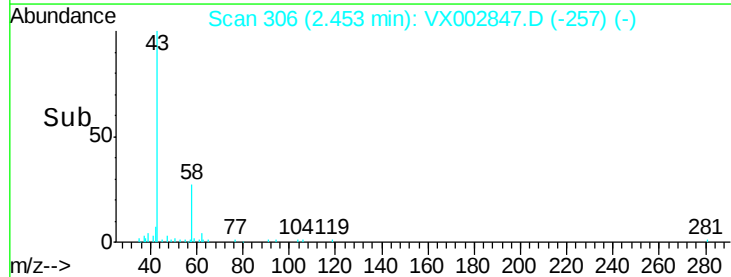
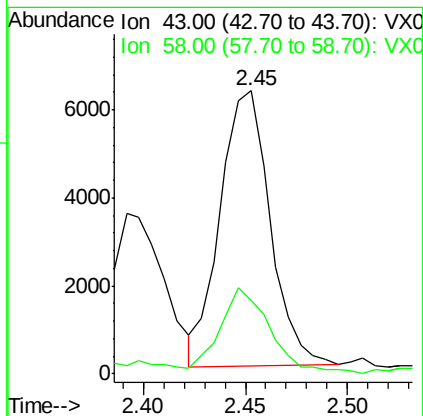
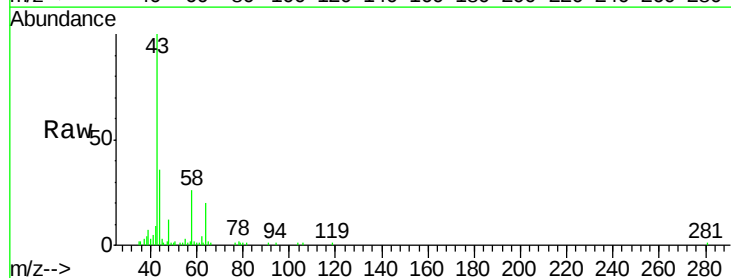
RT: 2.45 min Scan# 306

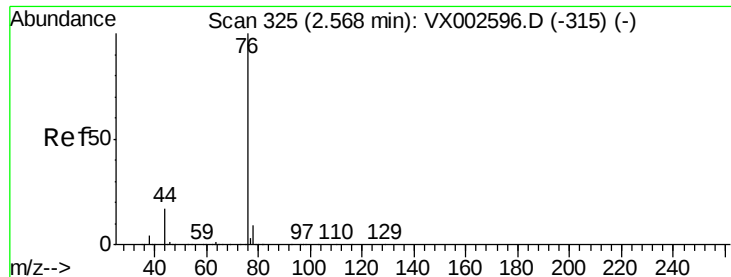
Delta R.T. 0.00 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

Tgt Ion: 43 Resp: 10689
Ion Ratio Lower Upper
43 100
58 24.8 22.1 33.1

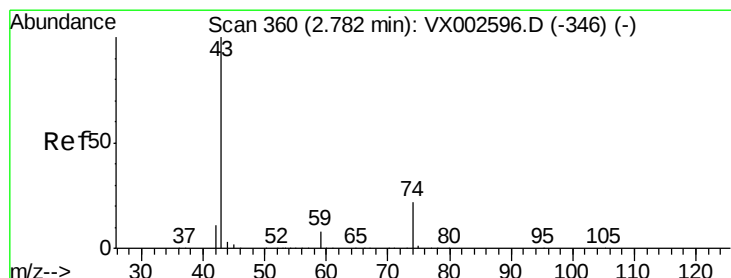
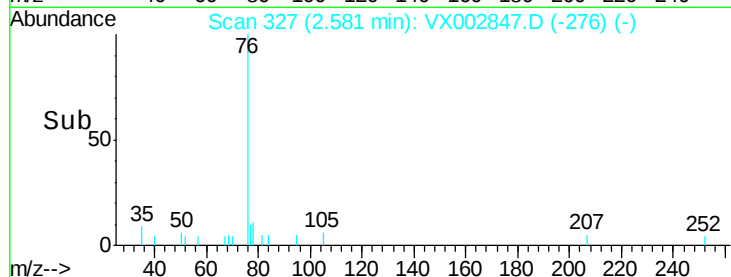
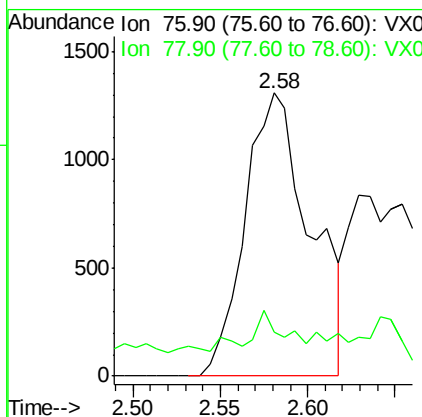
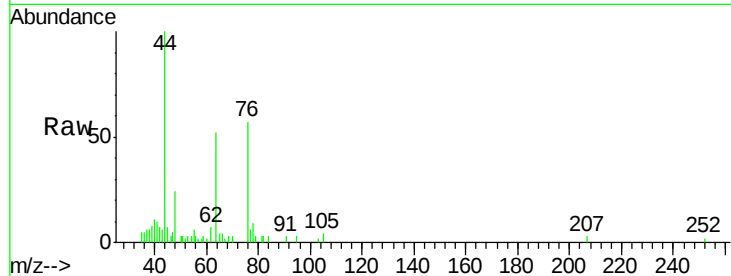




#17
Carbon Disulfide
Concen: 0.55 ug/l
RT: 2.58 min Scan# 327
Delta R.T. 0.01 min
Lab File: VX002847.D
Acq: 22 Jun 2018 22:38

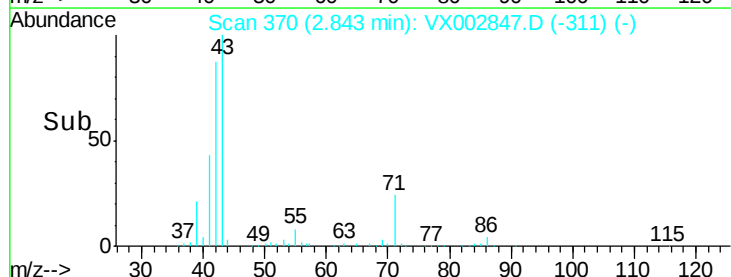
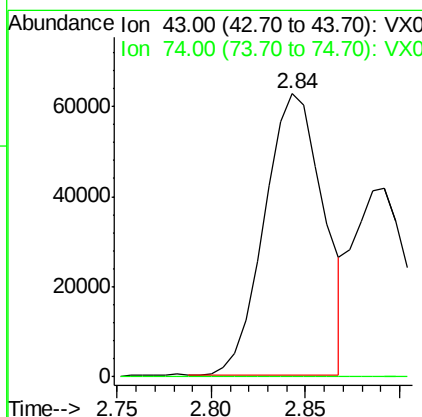
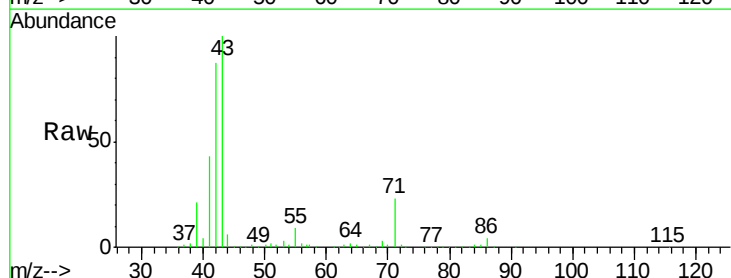
Instrument :
MSVOA_X
ClientSampled :

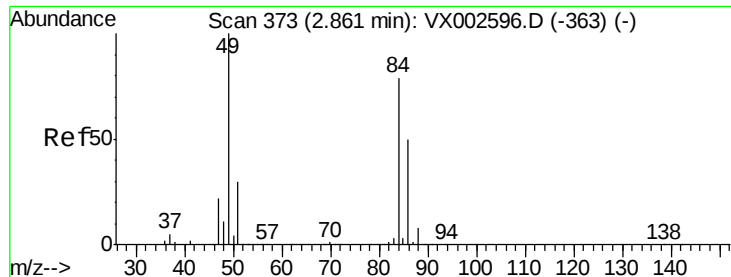
Tot Ion: 76 Resp: 3411
Ion Ratio Lower Upper
76 100
78 5.2 6.9 10.3#



#18
Methyl Acetate
Concen: 32.18 ug/l
RT: 2.84 min Scan# 370
Delta R.T. 0.06 min
Lab File: VX002847.D
Acq: 22 Jun 2018 22:38

Tgt Ion: 43 Resp: 135554
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#





#20

Methylene Chloride

Concen: 0.45 ug/l

RT: 2.84 min Scan# 370

Delta R.T. -0.02 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 84 Resp: 1447

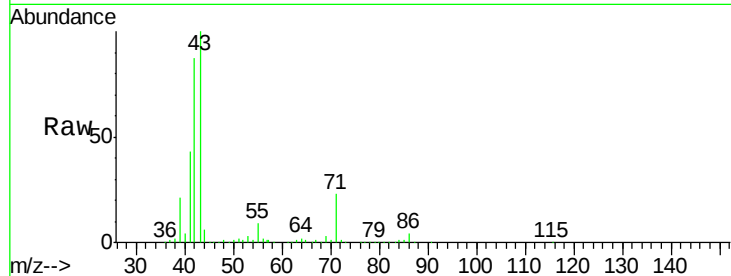
Ion Ratio Lower Upper

84 100

49 17.5 107.8 161.6#

51 205.2 32.8 49.2#

86 492.9 52.5 78.7#

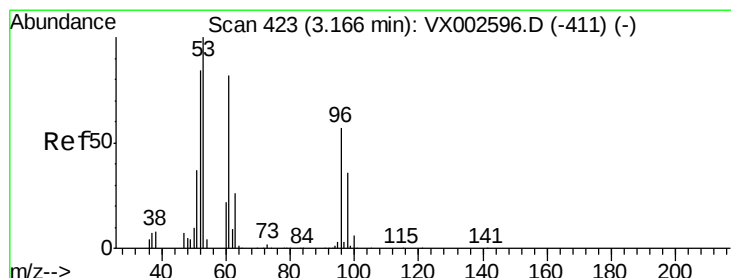
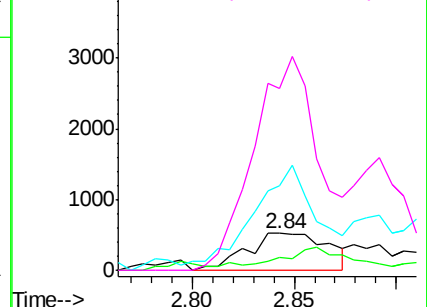
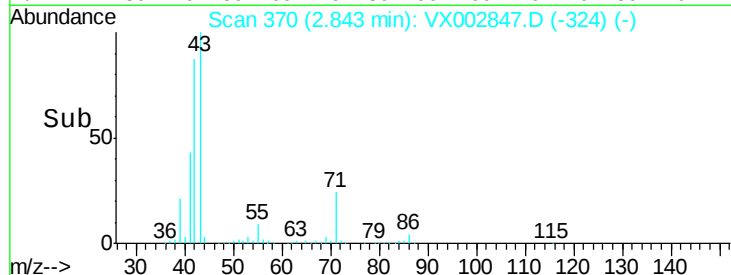


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.65 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

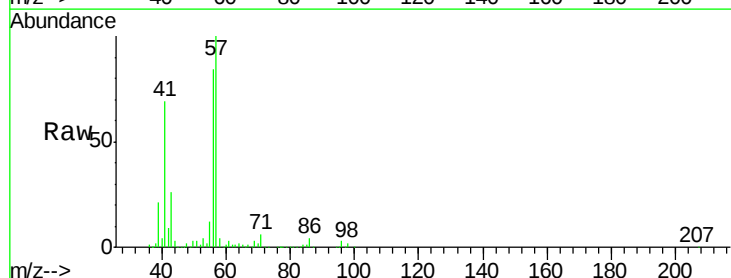
Tgt Ion: 96 Resp: 1870

Ion Ratio Lower Upper

96 100

61 113.2 117.0 175.4#

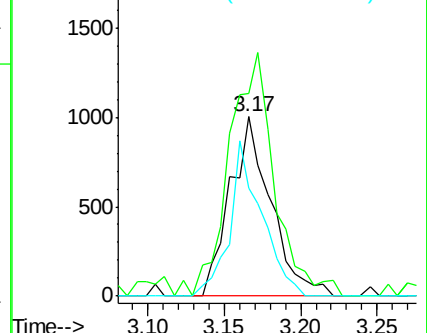
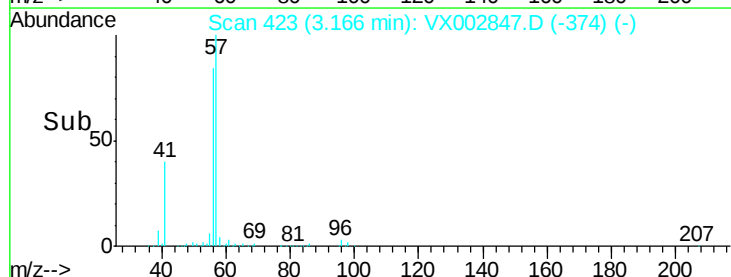
98 60.2 52.4 78.6

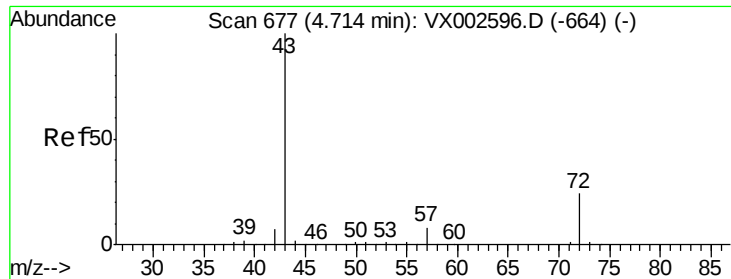


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#25

2-Butanone

Concen: 1.01 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

Instrument :

MSVOA_X

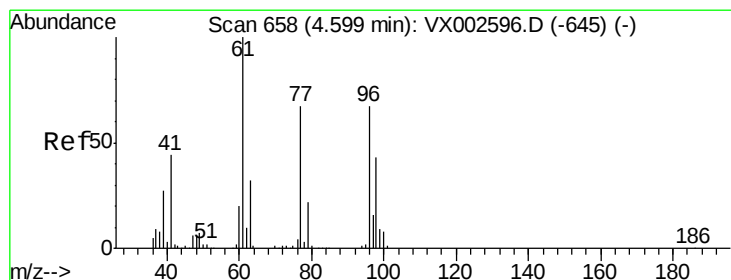
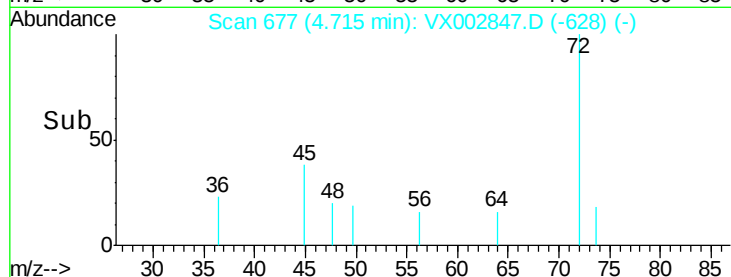
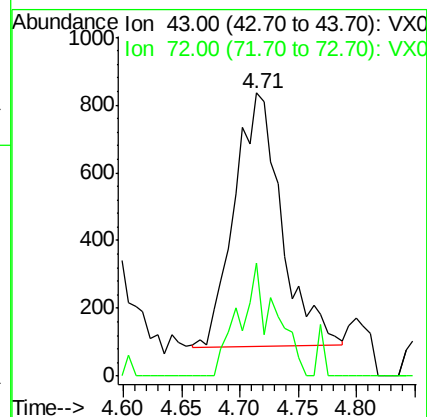
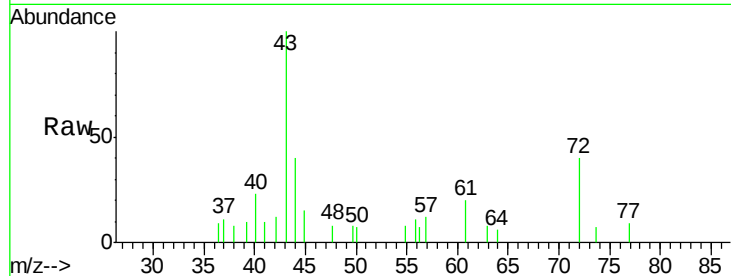
ClientSampleId :

Tot Ion: 43 Resp: 2107

Ion Ratio Lower Upper

43 100

72 45.1 18.5 27.7#



#27

cis-1,2-Dichloroethene

Concen: 0.53 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

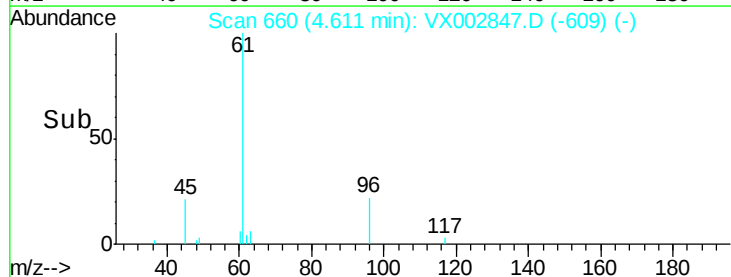
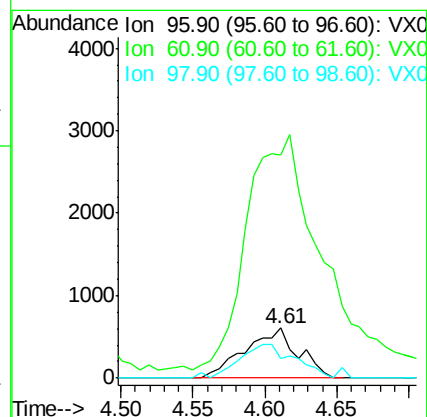
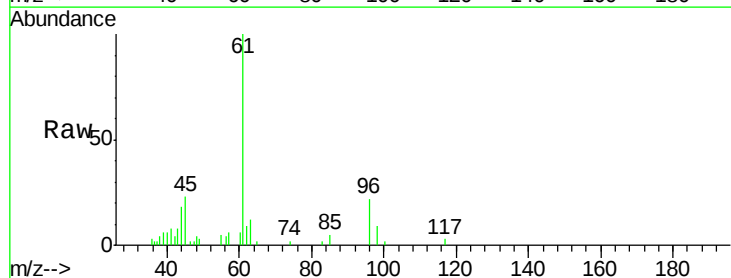
Tgt Ion: 96 Resp: 1541

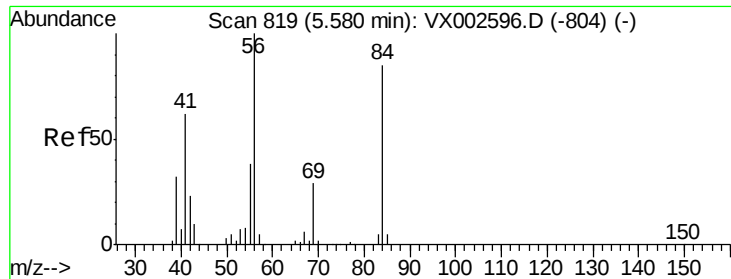
Ion Ratio Lower Upper

96 100

61 695.1 0.0 330.2#

98 71.6 0.0 130.2

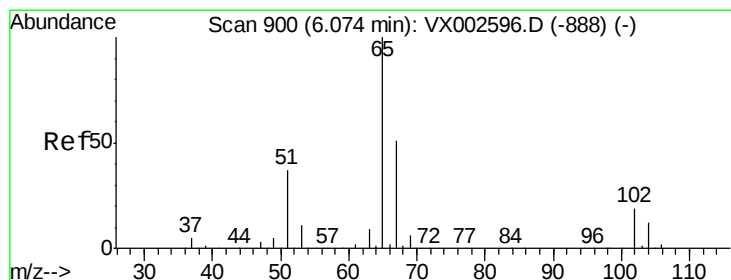
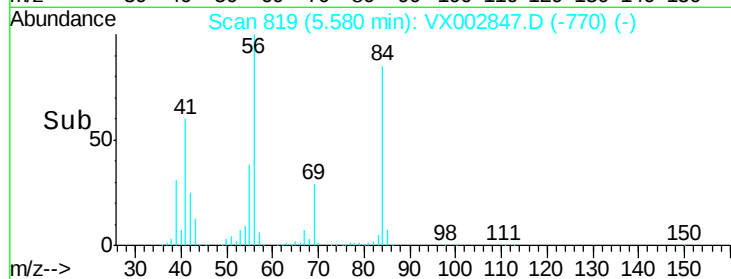
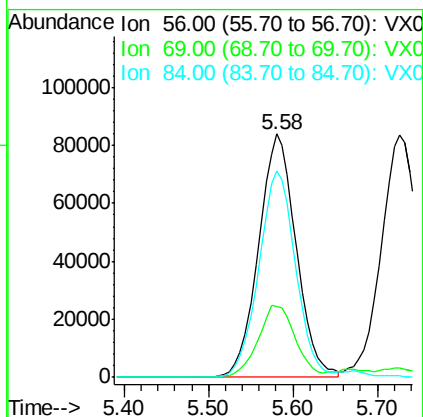
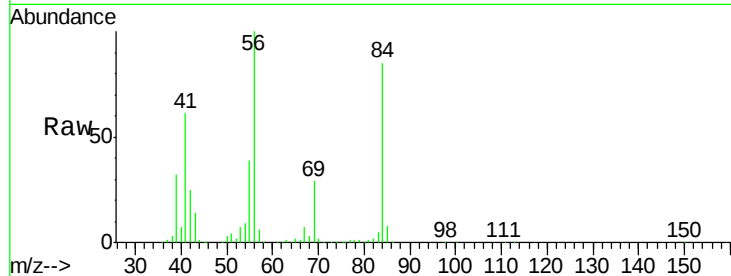




#31
Cyclohexane
Concen: 61.11 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX002847.D
Acq: 22 Jun 2018 22:38

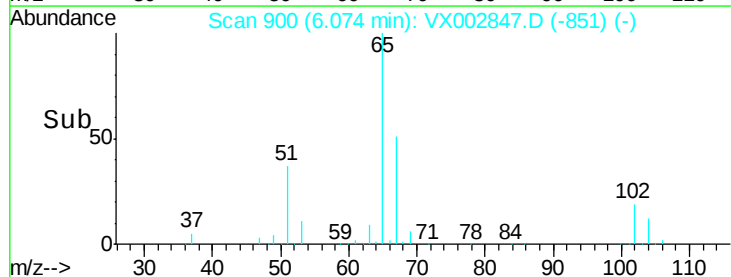
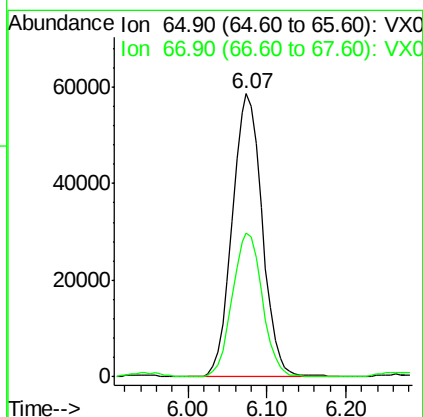
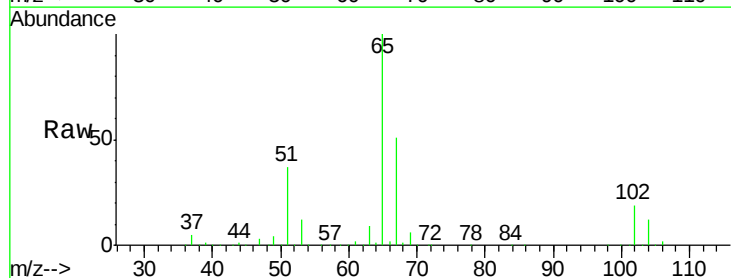
Instrument :
MSVOA_X
ClientSampled :

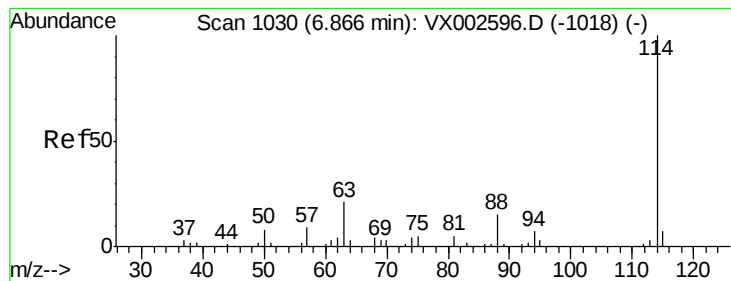
Tot Ion: 56 Resp: 258538
Ion Ratio Lower Upper
56 100
69 28.9 23.7 35.5
84 85.0 64.1 96.1



#33
1,2-Dichloroethane-d4
Concen: 43.24 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002847.D
Acq: 22 Jun 2018 22:38

Tgt Ion: 65 Resp: 154985
Ion Ratio Lower Upper
65 100
67 50.6 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: VX002847.D

Acq: 22 Jun 2018 22:38

Instrument :
MSVOA_X
ClientSampleId :

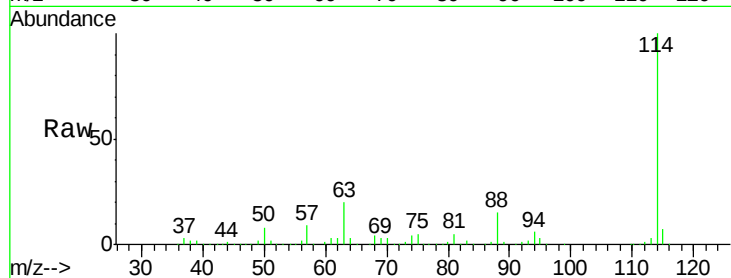
Tot Ion:114 Resp: 323006

Ion Ratio Lower Upper

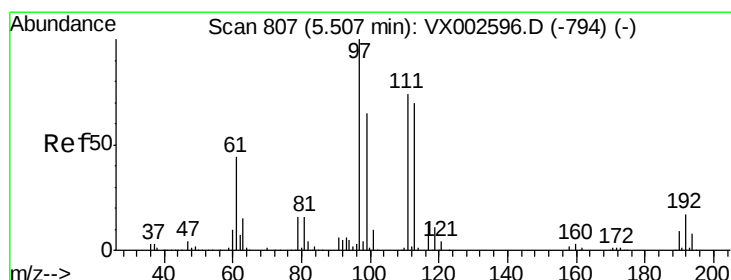
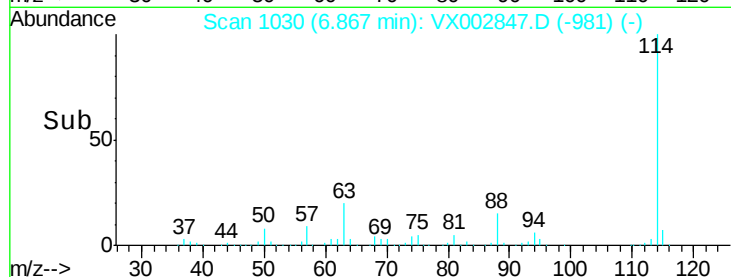
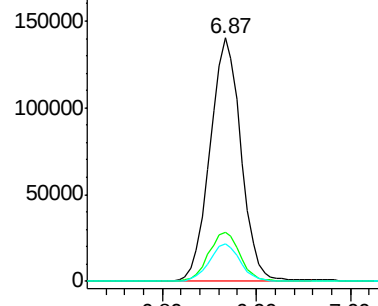
114 100

63 20.4 0.0 41.4

88 15.2 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.44 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

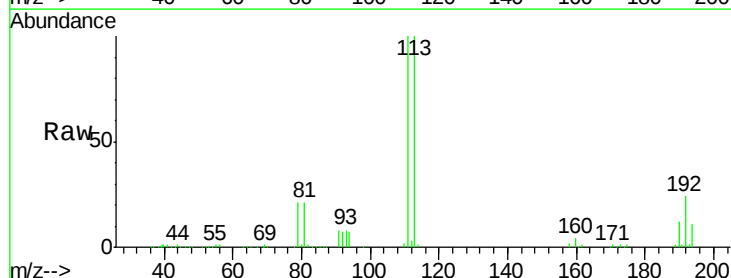
Tgt Ion:113 Resp: 122308

Ion Ratio Lower Upper

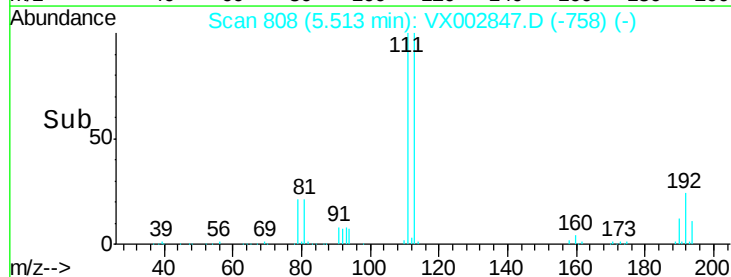
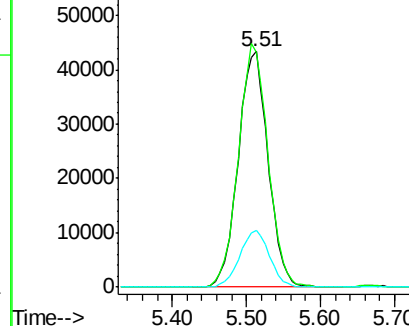
113 100

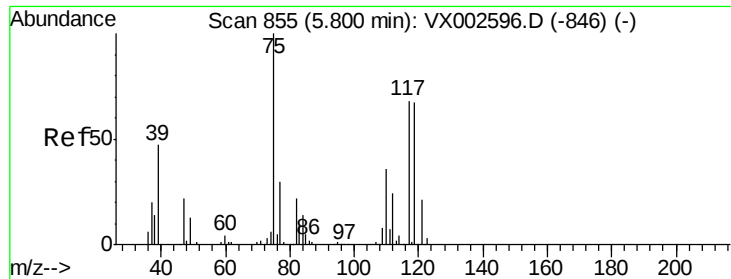
111 102.3 81.4 122.0

192 23.9 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

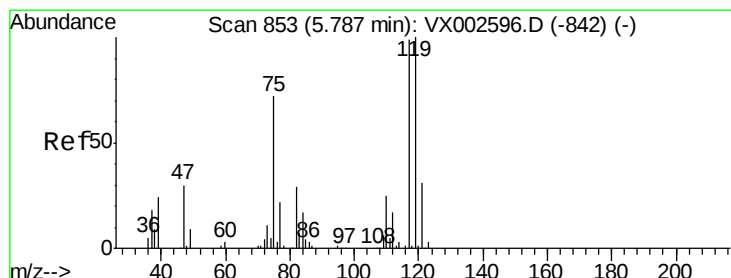
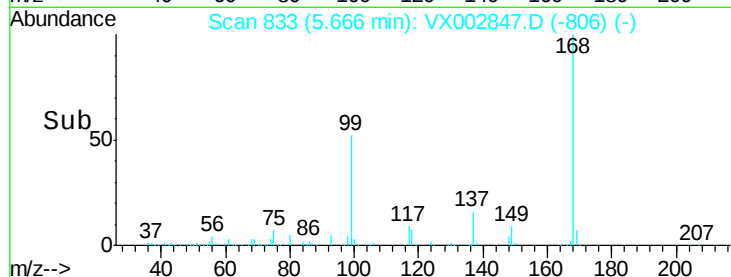
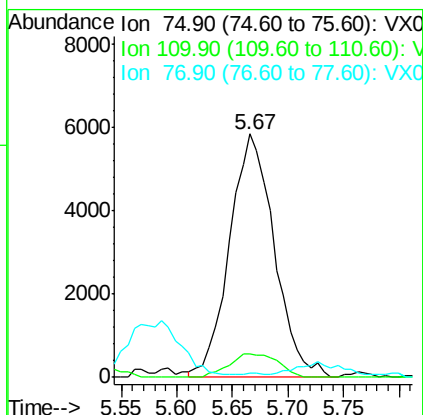
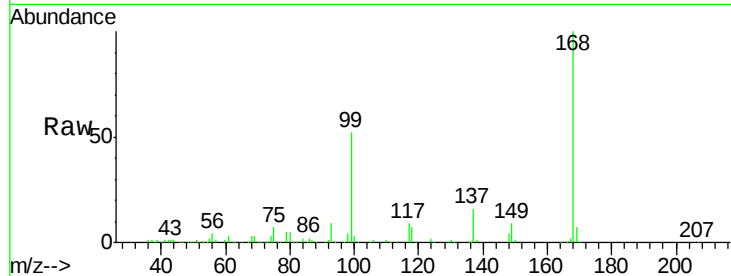




#36
 1,1-Dichloropropene
 Concen: 4.76 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002847.D
 Acq: 22 Jun 2018 22:38

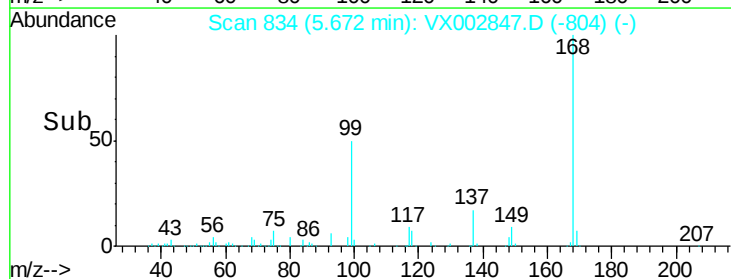
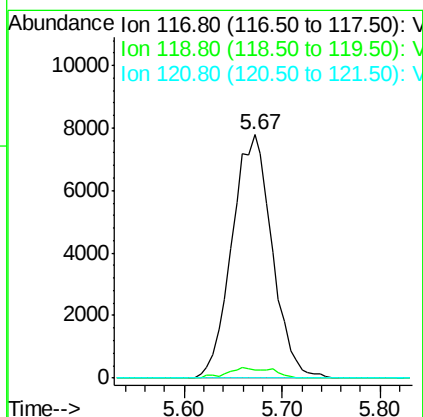
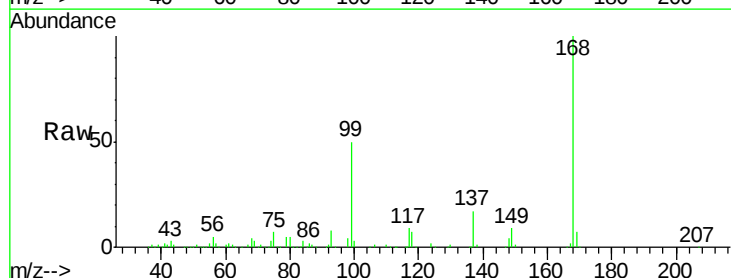
Instrument :
 MSVOA_X
 ClientSampled :

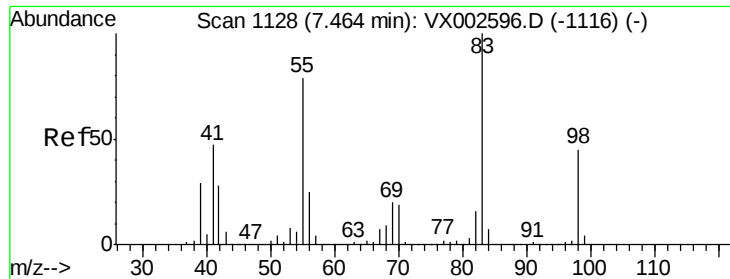
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.6	18.1	54.4#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.48 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX002847.D
 Acq: 22 Jun 2018 22:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.4	77.4	116.0#
121	0.0	24.4	36.6#

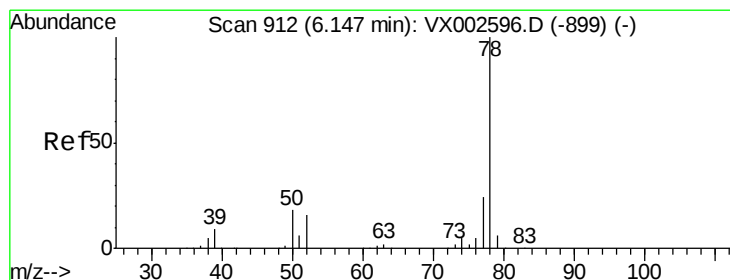
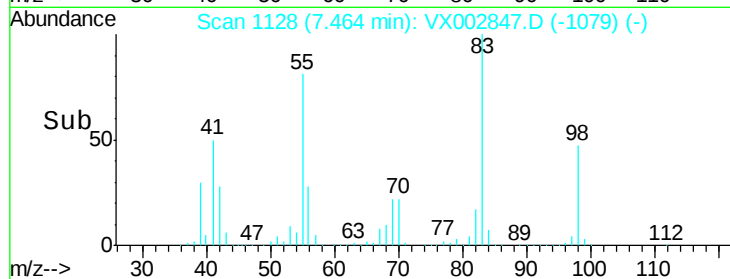
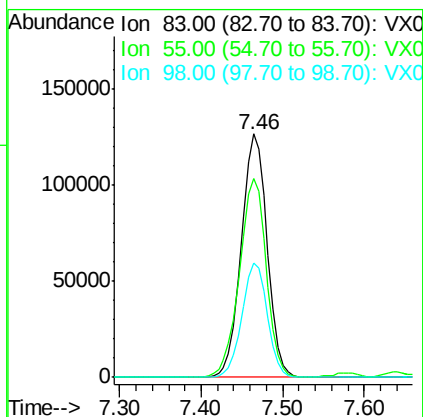
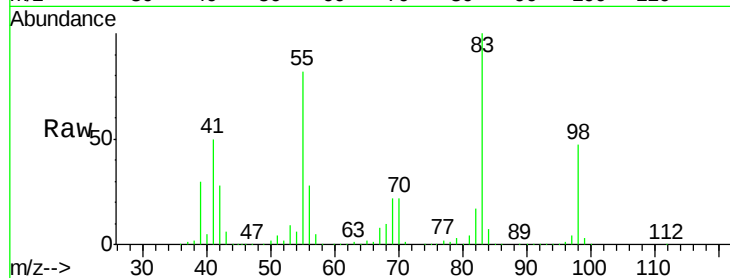




#39
Methvlcvclohexane
Concen: 69.41 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002847.D
Acq: 22 Jun 2018 22:38

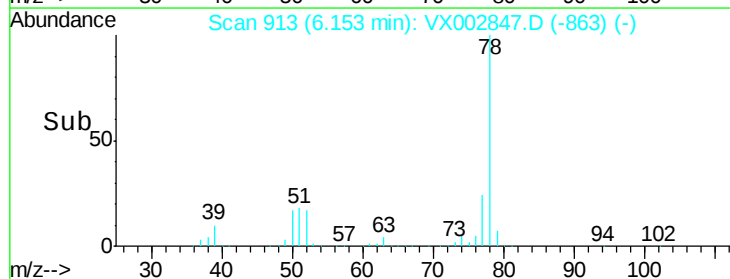
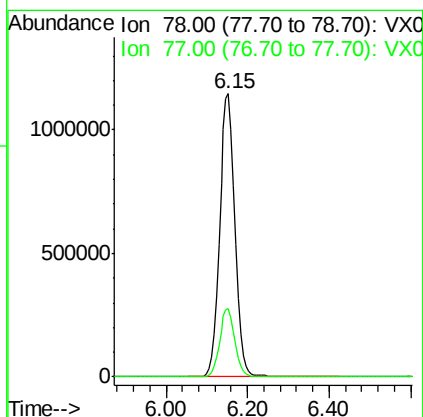
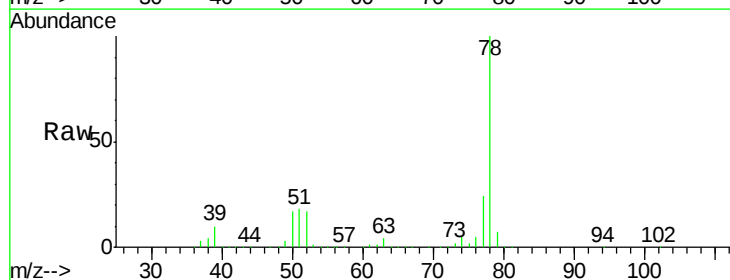
Instrument :
MSVOA_X
ClientSampleId :

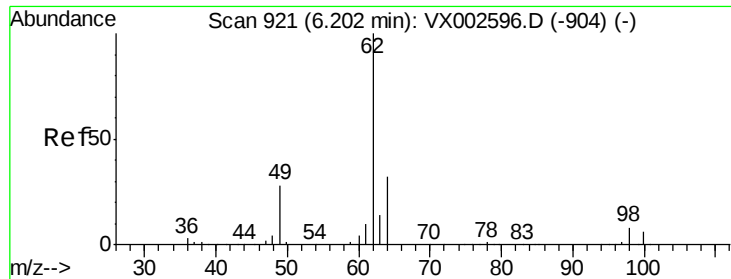
Tot Ion: 83 Resp: 278355
Ion Ratio Lower Upper
83 100
55 81.5 65.4 98.0
98 47.0 37.4 56.0



#40
Benzene
Concen: 294.84 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX002847.D
Acq: 22 Jun 2018 22:38

Tgt Ion: 78 Resp: 3032847
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7

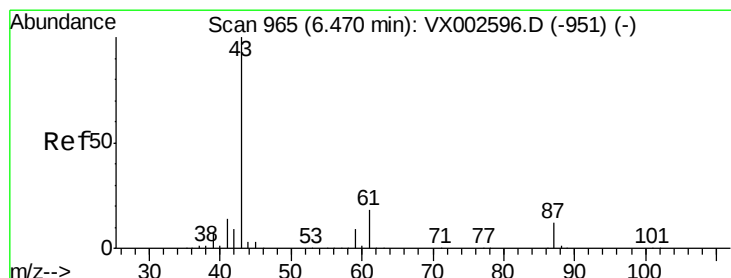
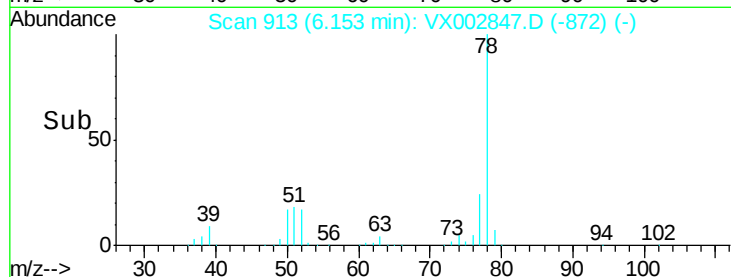
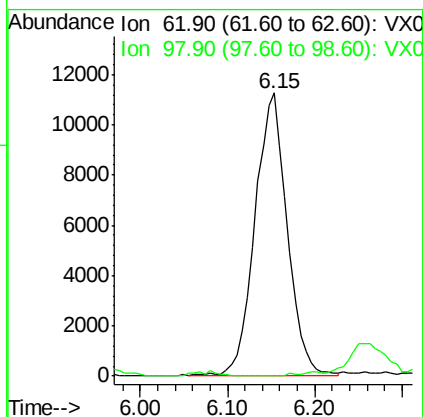
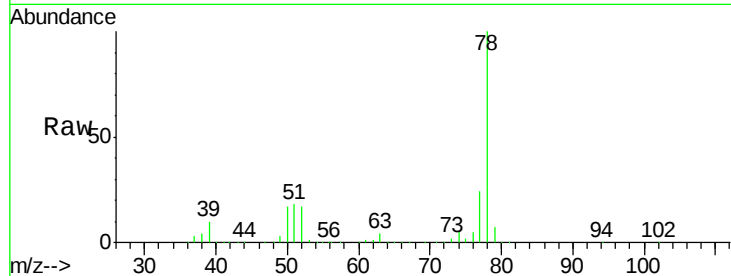




#42
 1,2-Dichloroethane
 Concen: 7.28 ug/l
 RT: 6.15 min Scan# 913
 Delta R.T. -0.05 min
 Lab File: VX002847.D
 Acq: 22 Jun 2018 22:38

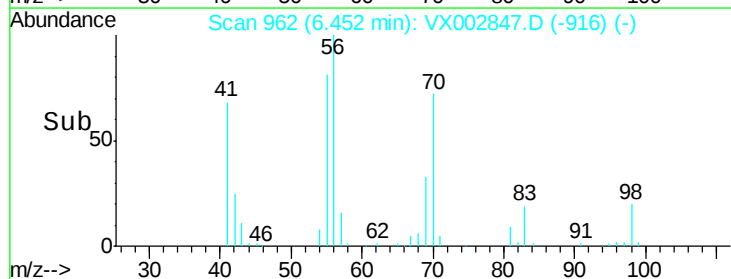
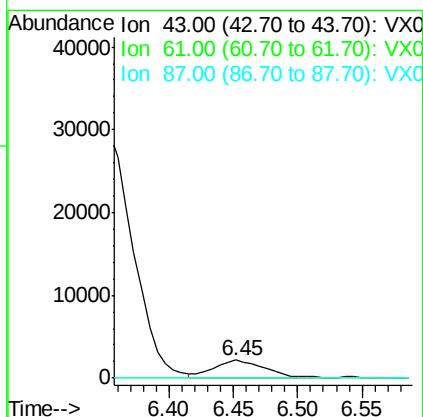
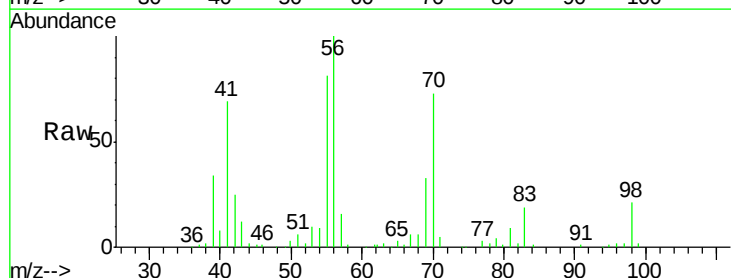
Instrument :
 MSVOA_X
 ClientSampleId :

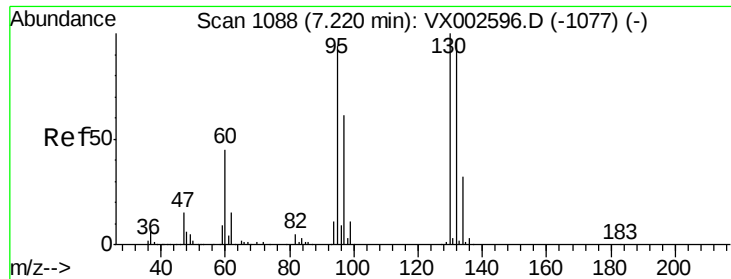
Tot Ion: 62 Resp: 29000
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 16.6



#43
 Isopropyl Acetate
 Concen: 0.85 ug/l
 RT: 6.45 min Scan# 962
 Delta R.T. -0.02 min
 Lab File: VX002847.D
 Acq: 22 Jun 2018 22:38

Tgt Ion: 43 Resp: 5439
 Ion Ratio Lower Upper
 43 100
 61 0.0 14.4 21.6#
 87 0.0 9.5 14.3#





#44

Trichloroethene

Concen: 2.37 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

Instrument :

MSVOA_X

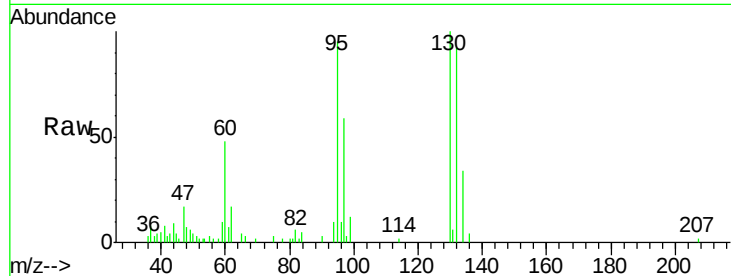
ClientSampleId :

Tot Ion:130 Resp: 7040

Ion Ratio Lower Upper

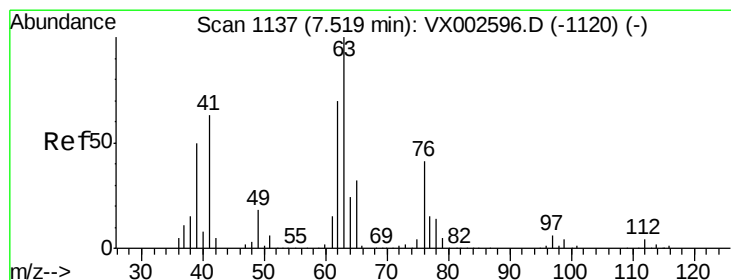
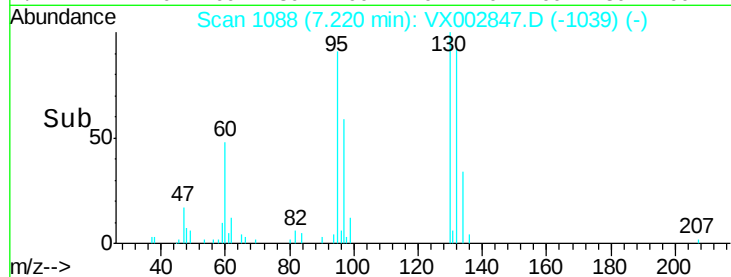
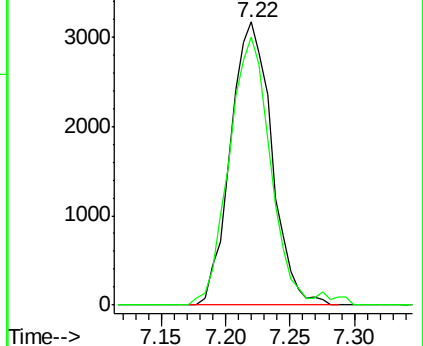
130 100

95 94.6 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,2-Dichloropropane

Concen: 1.26 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.05 min

Lab File: VX002847.D

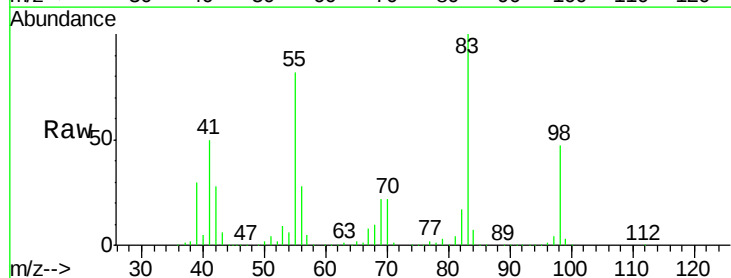
Acq: 22 Jun 2018 22:38

Tgt Ion: 63 Resp: 3405

Ion Ratio Lower Upper

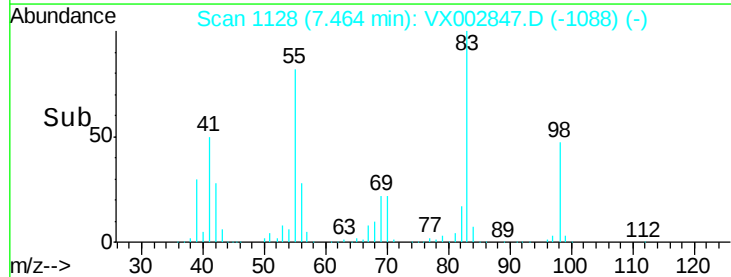
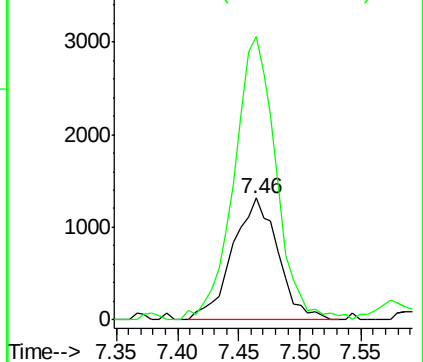
63 100

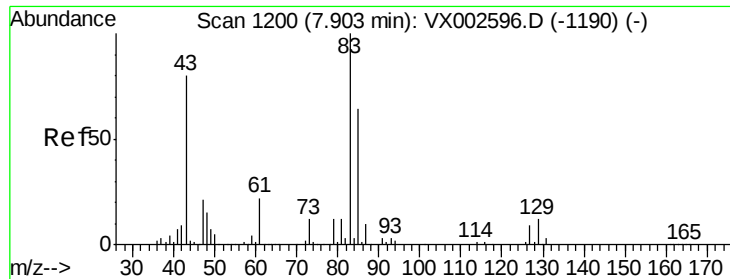
65 228.4 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#47

Bromodichloromethane

Concen: 0.42 ug/l

RT: 7.86 min Scan# 1193

Delta R.T. -0.04 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

Instrument :
MSVOA_X
ClientSampleId :

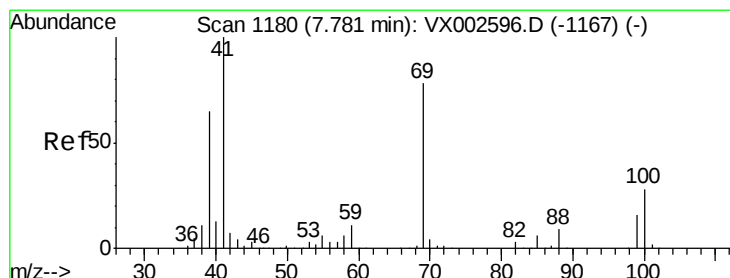
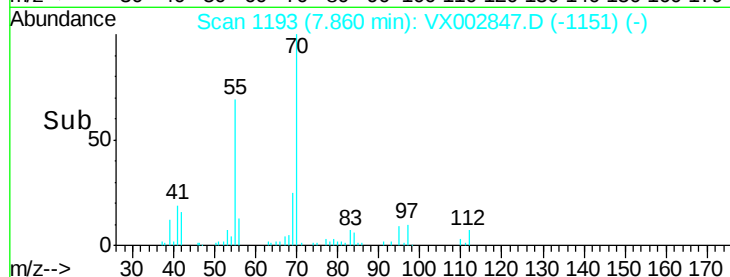
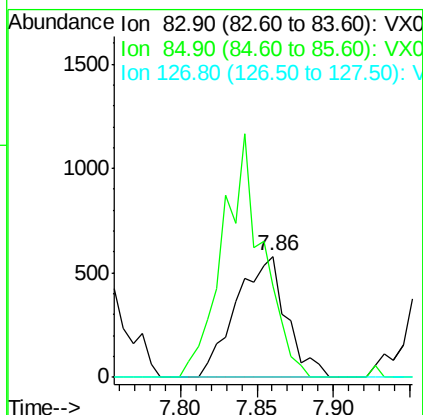
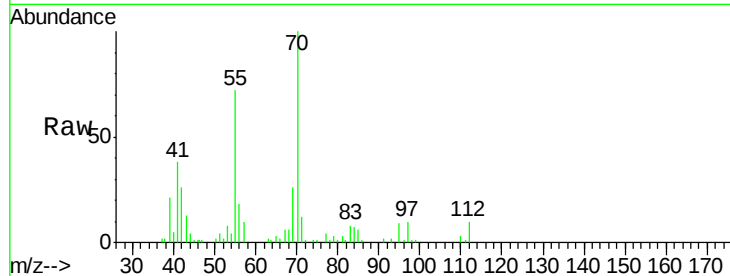
Tot Ion: 83 Resp: 1328

Ion Ratio Lower Upper

83 100

85 75.6 50.3 75.5#

127 0.0 7.0 10.4#



#48

Methyl methacrylate

Concen: 6.39 ug/l

RT: 7.73 min Scan# 1172

Delta R.T. -0.05 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

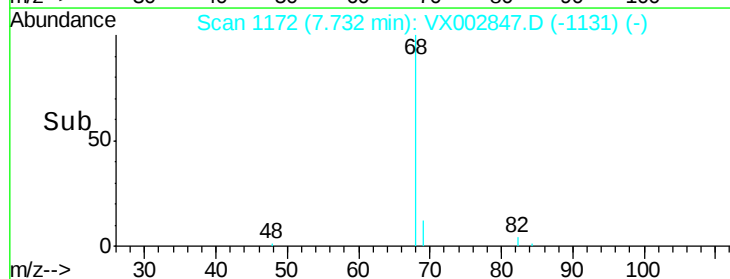
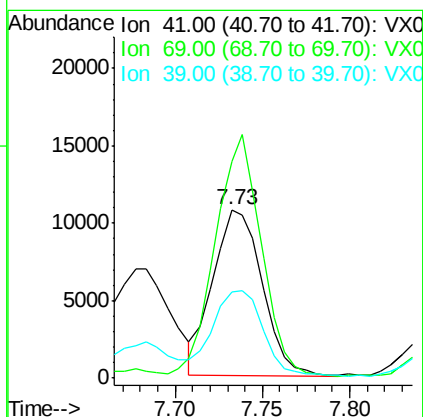
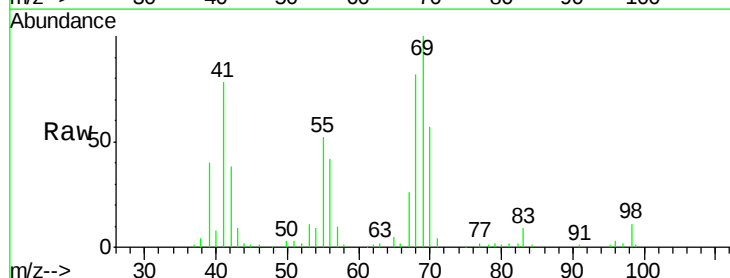
Tgt Ion: 41 Resp: 21014

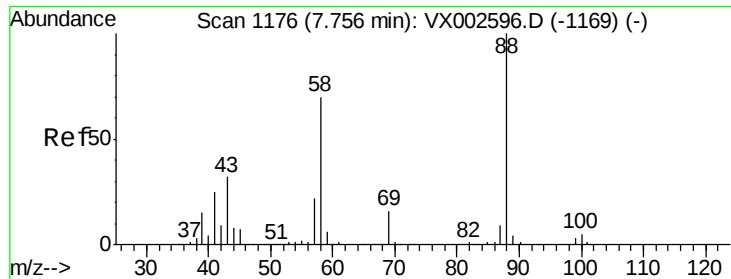
Ion Ratio Lower Upper

41 100

69 137.8 59.1 88.7#

39 54.0 48.9 73.3

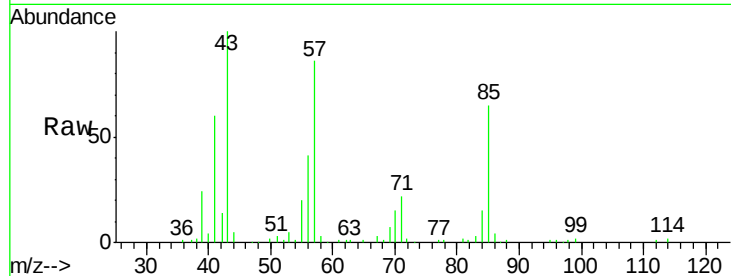




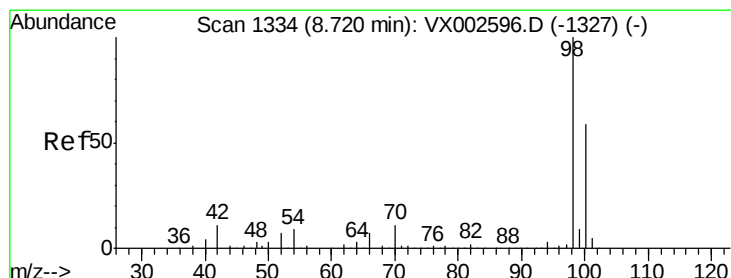
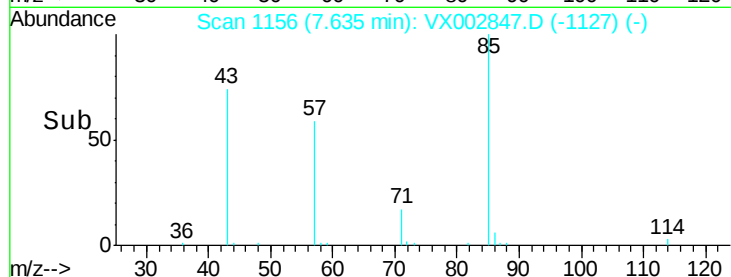
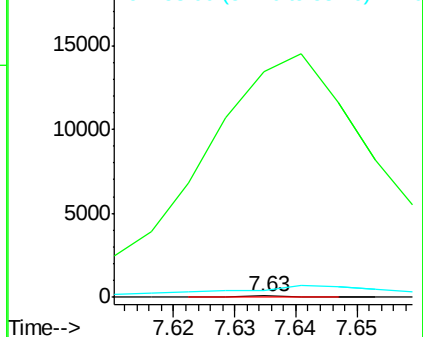
#49
1,4-Dioxane
Concen: 0.47 ug/l
RT: 7.63 min Scan# 1156
Delta R.T. -0.12 min
Lab File: VX002847.D
Acq: 22 Jun 2018 22:38

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 74934.5 29.8 44.6#
58 4724.1 57.1 85.7#

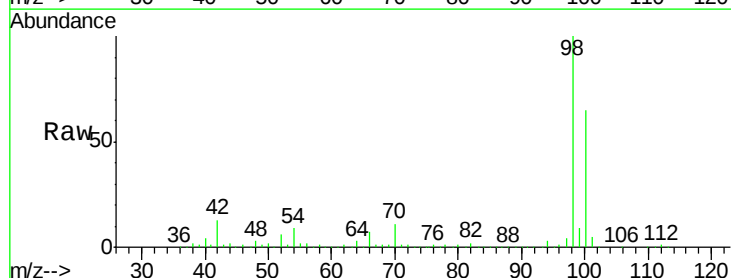


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

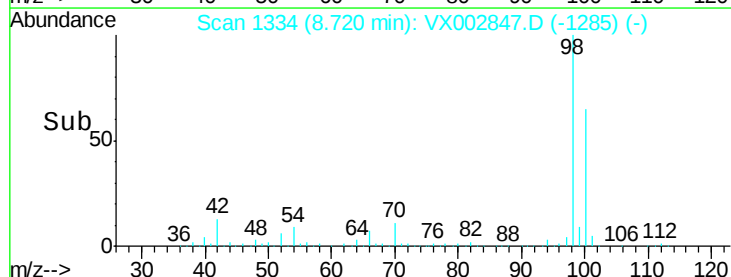
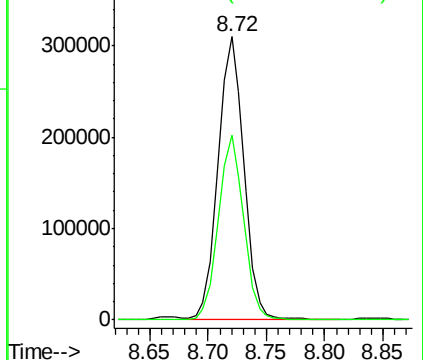


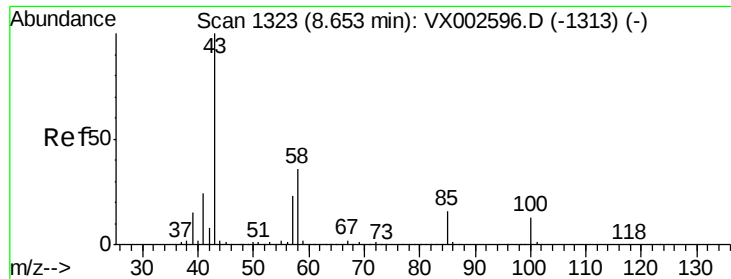
#50
Toluene-d8
Concen: 48.00 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002847.D
Acq: 22 Jun 2018 22:38

Tgt Ion: 98 Resp: 469861
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 5.07 ug/l

RT: 8.68 min Scan# 1327

Delta R.T. 0.02 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

Instrument :

MSVOA_X

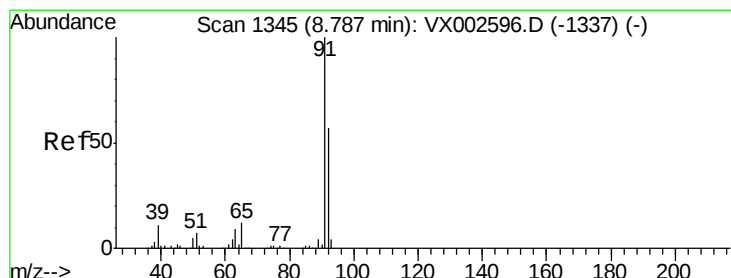
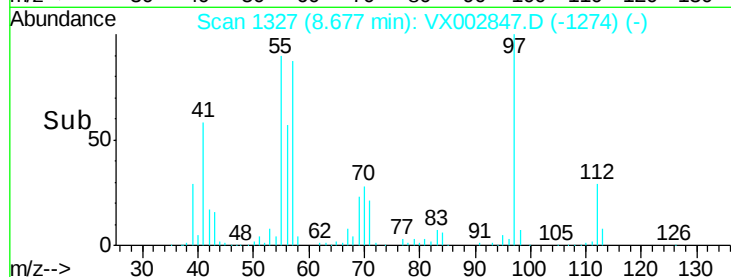
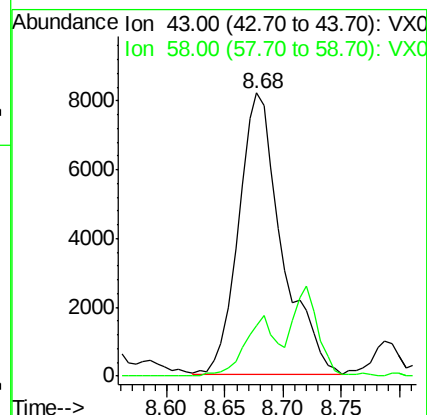
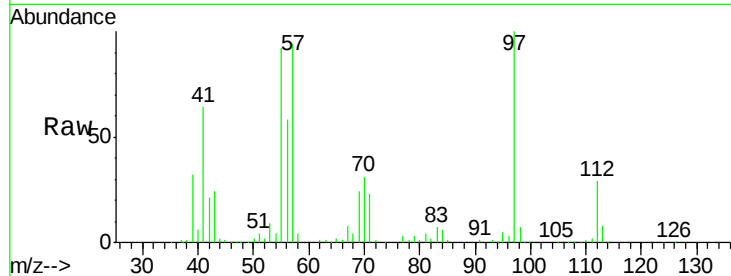
ClientSampleId :

Tot Ion: 43 Resp: 20953

Ion Ratio Lower Upper

43 100

58 16.2 28.6 42.8#



#52

Toluene

Concen: 13.57 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002847.D

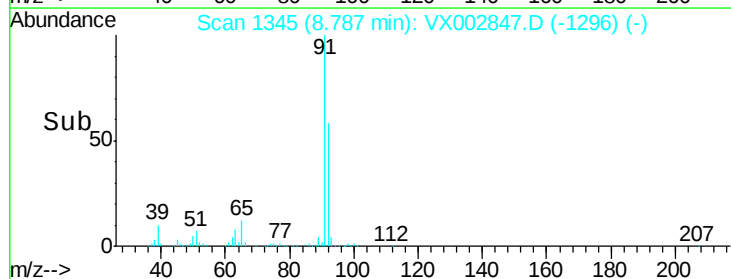
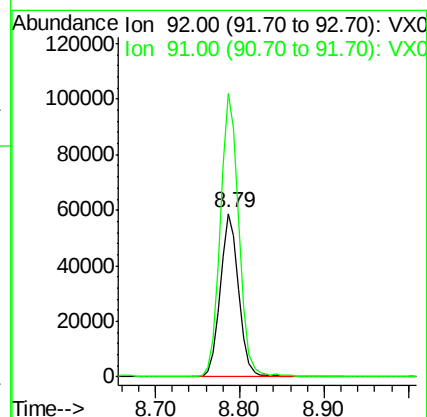
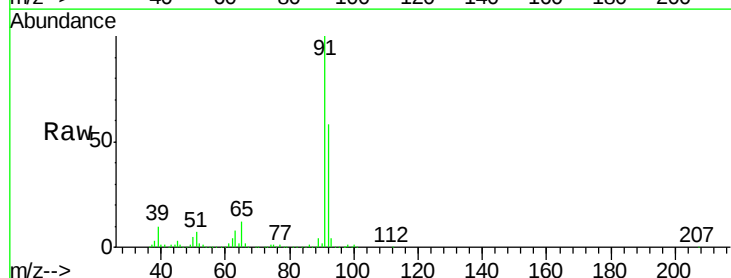
Acq: 22 Jun 2018 22:38

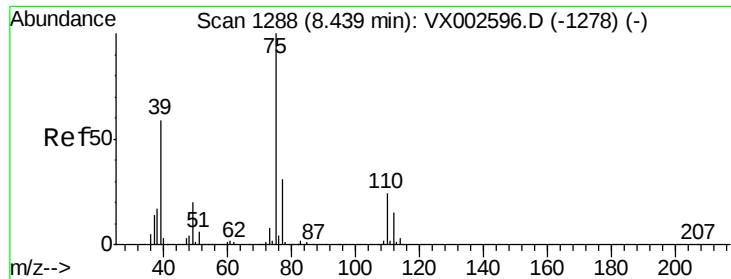
Tgt Ion: 92 Resp: 89062

Ion Ratio Lower Upper

92 100

91 174.9 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 2.45 ug/l

RT: 8.42 min Scan# 1284

Delta R.T. -0.02 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

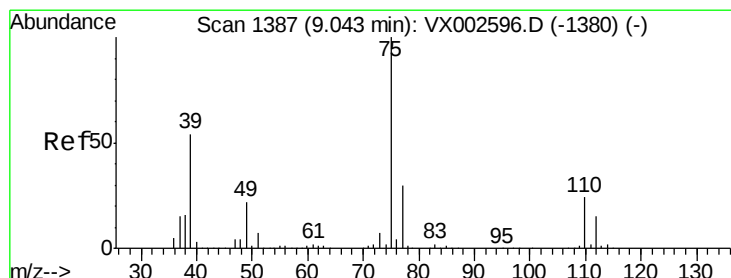
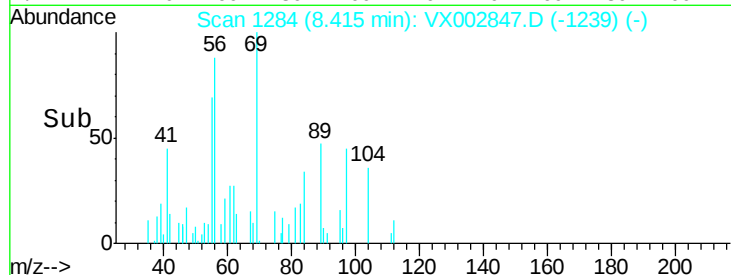
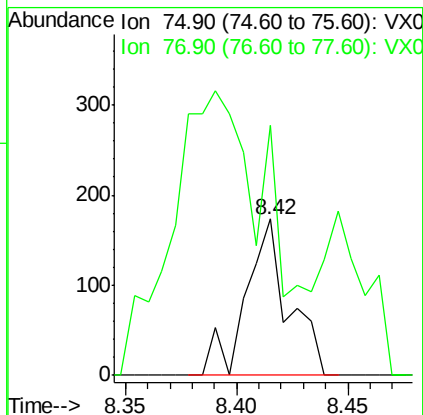
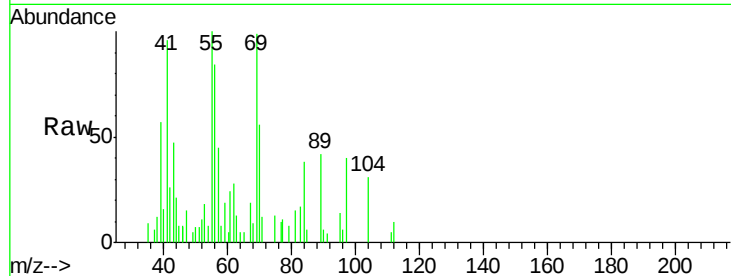
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 229

Ion Ratio Lower Upper

75 100

77 55.5 25.4 38.2#



#54

cis-1,3-Dichloropropene

Concen: 3.25 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

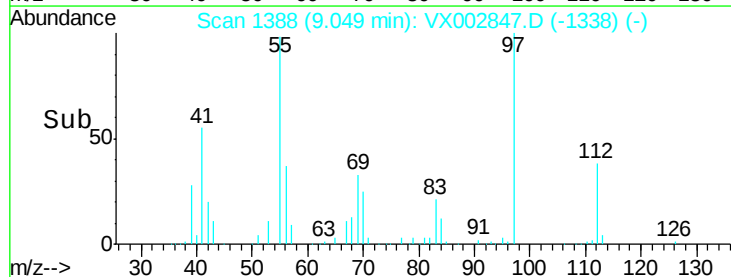
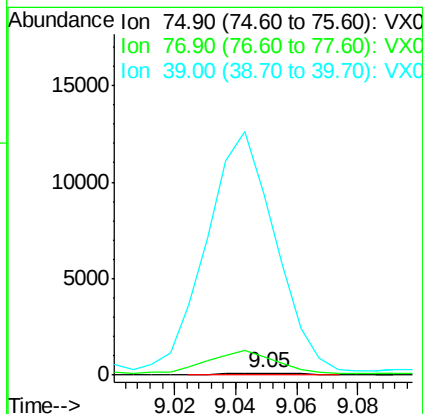
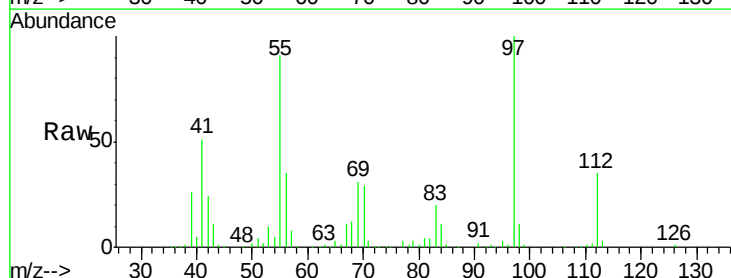
Tgt Ion: 75 Resp: 141

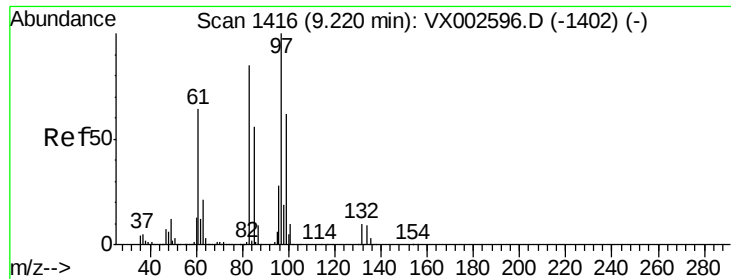
Ion Ratio Lower Upper

75 100

77 768.4 24.8 37.2#

39 7969.3 42.4 63.6#





#55

1,1,2-Trichloroethane

Concen: 15.77 ug/l

RT: 9.17 min Scan# 1408

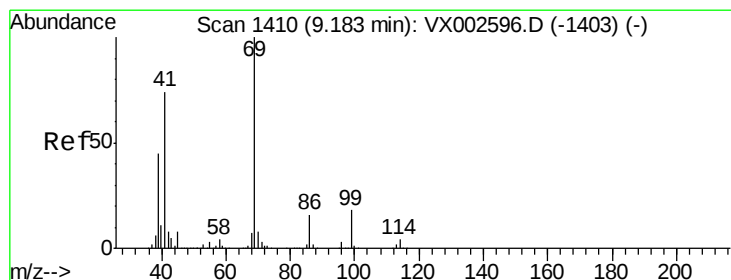
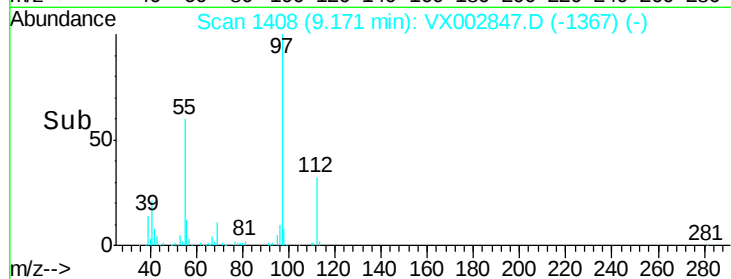
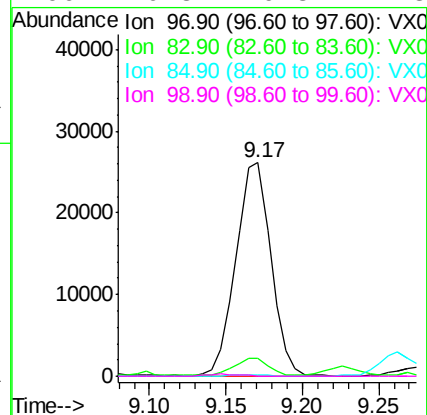
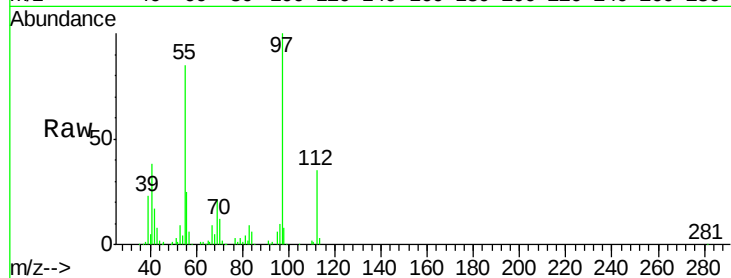
Delta R.T. -0.05 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	97	Resp:	41825
Ion	Ratio	Lower	Upper
97	100		
83	8.0	70.2	105.2#
85	0.3	44.9	67.3#
99	0.3	49.8	74.8#



#56

Ethyl methacrylate

Concen: 2.32 ug/l

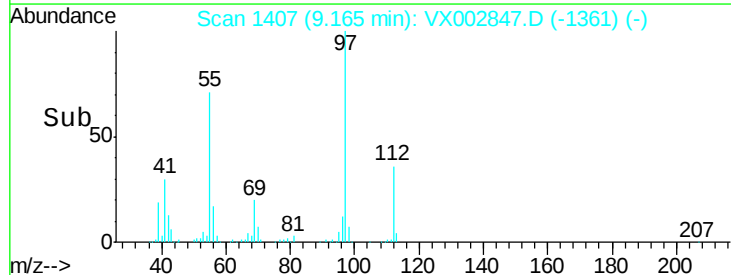
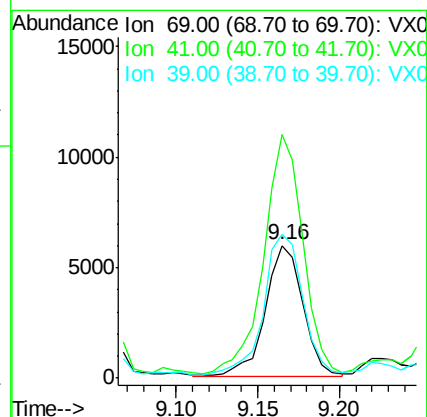
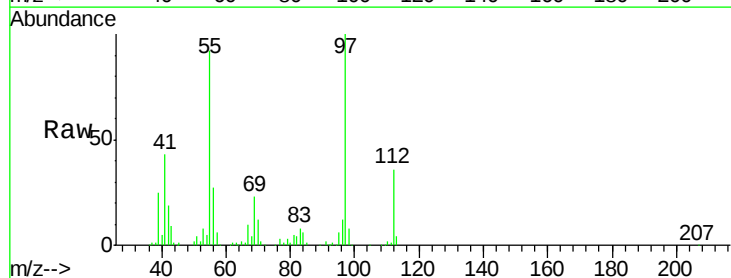
RT: 9.16 min Scan# 1407

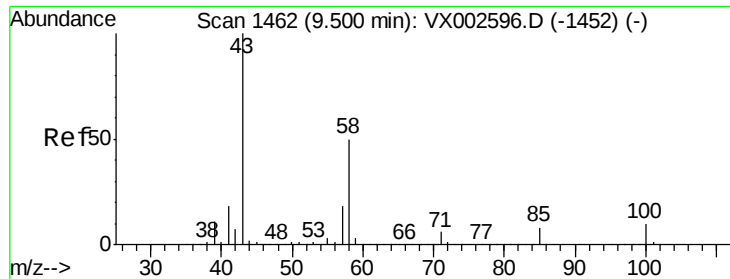
Delta R.T. -0.02 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

Tgt Ion:	69	Resp:	9479
Ion	Ratio	Lower	Upper
69	100		
41	189.1	60.3	90.5#
39	112.5	35.8	53.8#

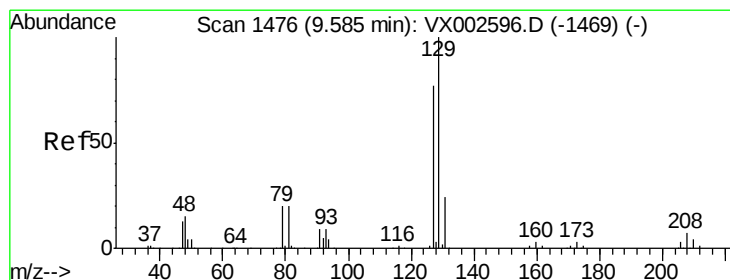
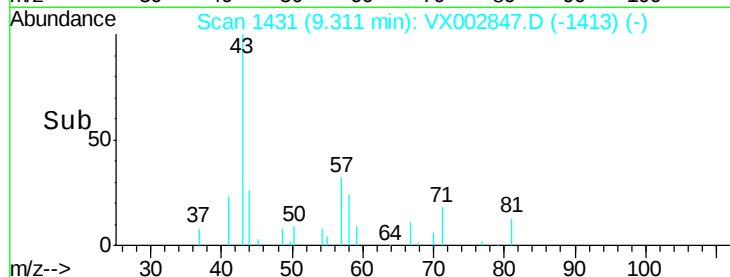
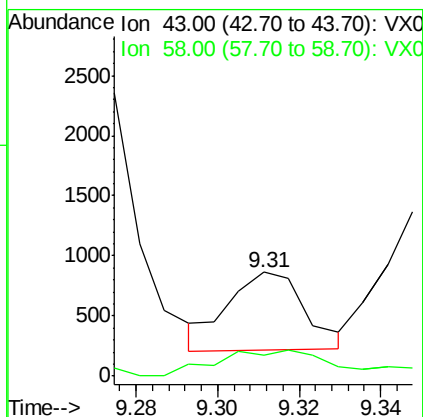
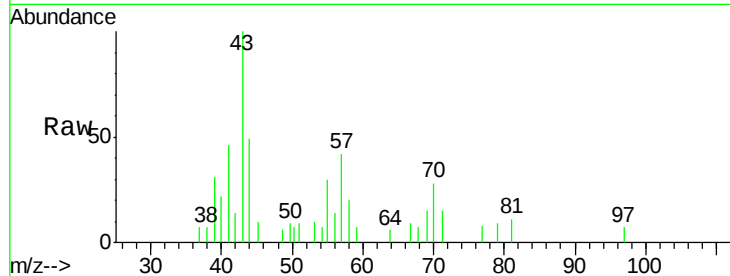




#59
2-Hexanone
Concen: 0.27 ug/l
RT: 9.31 min Scan# 1431
Delta R.T. -0.19 min
Lab File: VX002847.D
Acq: 22 Jun 2018 22:38

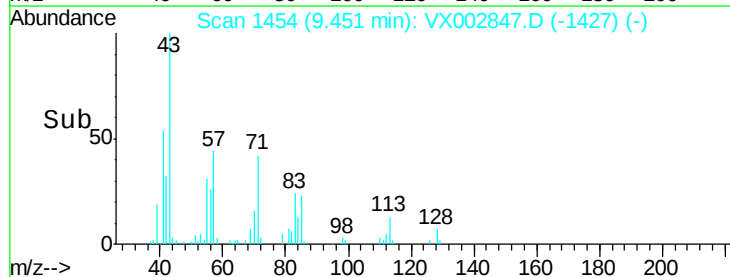
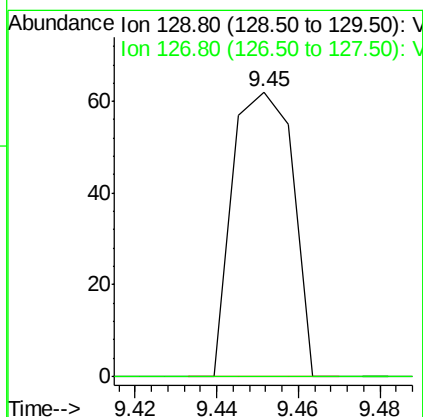
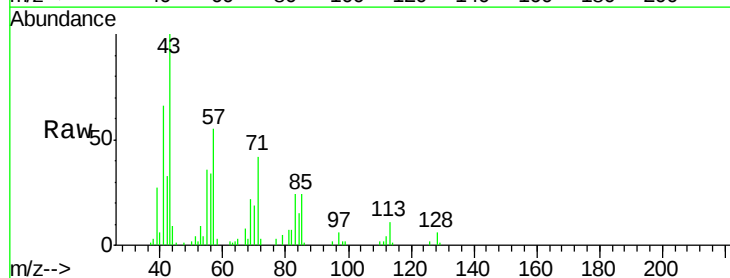
Instrument :
MSVOA_X
ClientSampled :

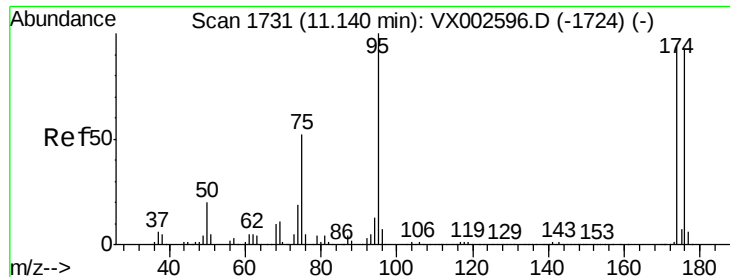
Tot Ion: 43 Resp: 846
Ion Ratio Lower Upper
43 100
58 47.6 24.6 73.6



#60
Dibromochloromethane
Concen: 3.78 ug/l
RT: 9.45 min Scan# 1454
Delta R.T. -0.13 min
Lab File: VX002847.D
Acq: 22 Jun 2018 22:38

Tgt Ion: 129 Resp: 64
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#





#62

4-Bromofluorobenzene

Concen: 47.14 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

Instrument :

MSVOA_X

ClientSampleId :

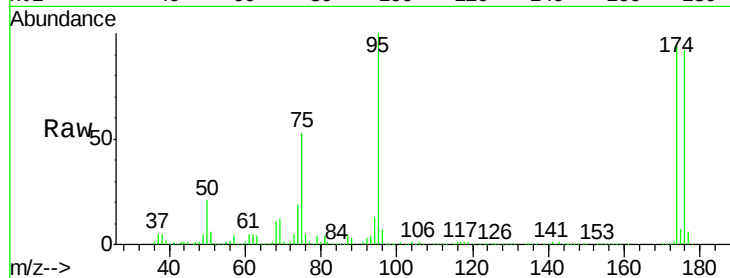
Tot Ion: 95 Resp: 174861

Ion Ratio Lower Upper

95 100

174 96.1 0.0 187.4

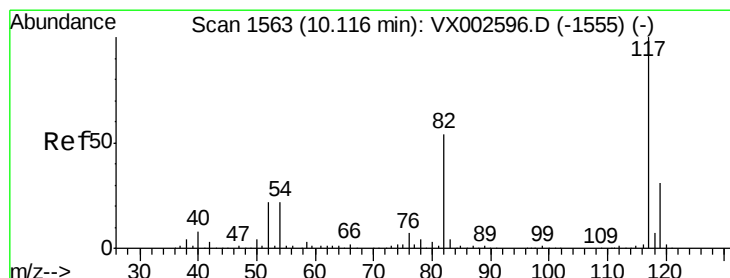
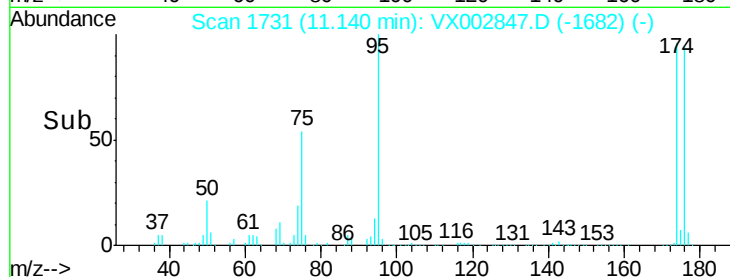
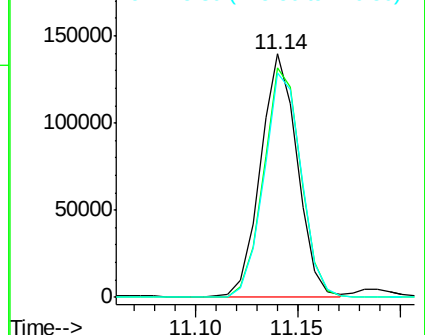
176 94.2 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002847.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX002847.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX002847.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

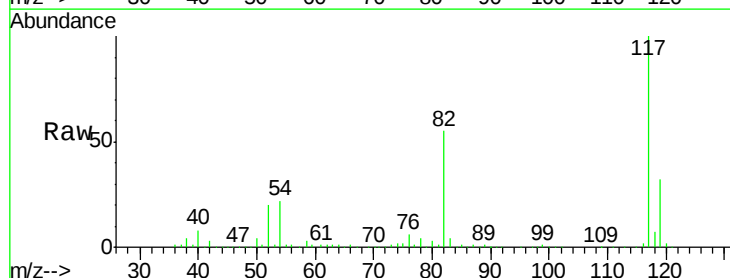
Tgt Ion: 117 Resp: 305392

Ion Ratio Lower Upper

117 100

82 54.7 45.0 67.4

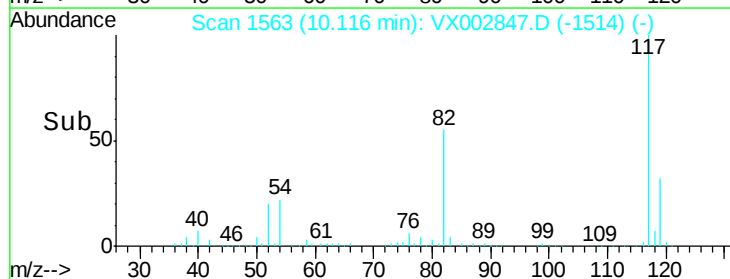
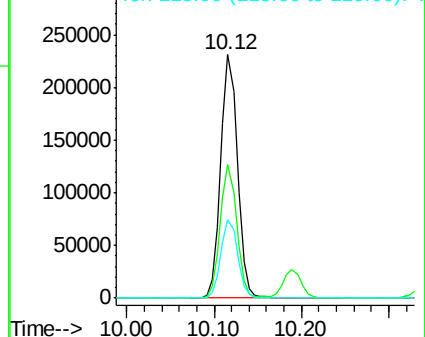
119 32.4 25.8 38.6

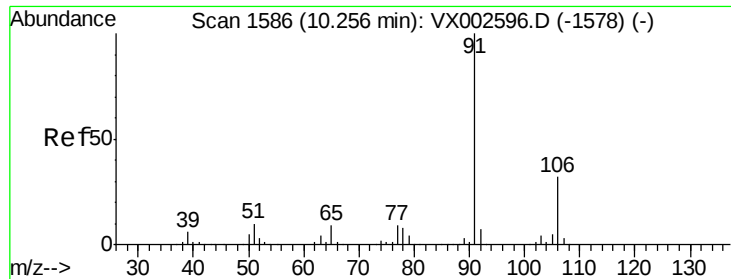


Abundance Ion 116.90 (116.60 to 117.60): VX002847.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX002847.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX002847.D (-1514) (-)

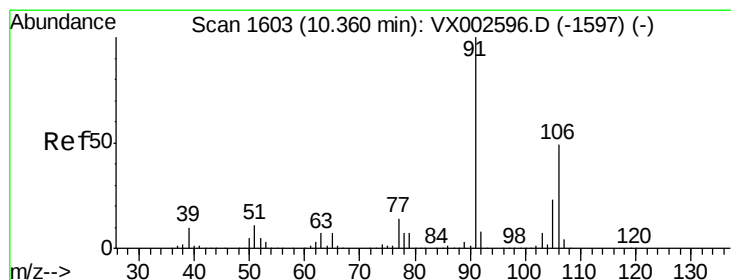
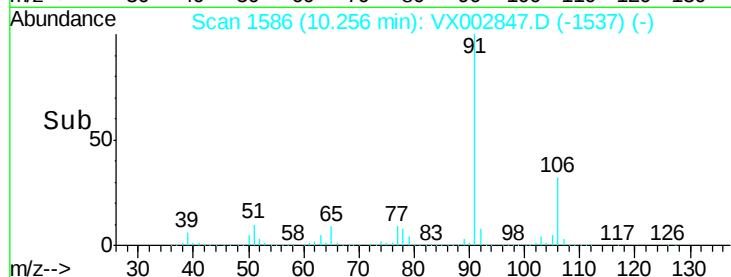
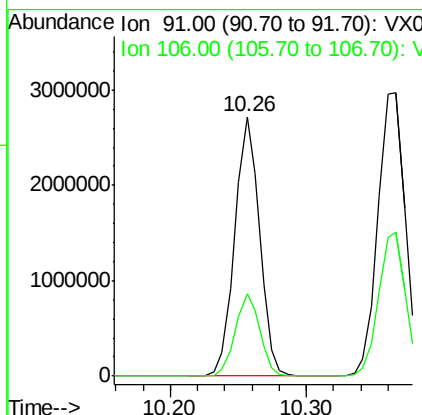
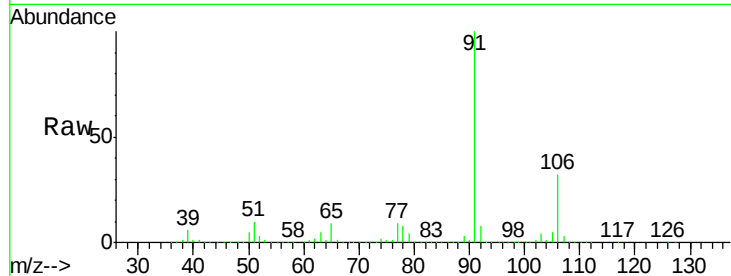




#67
Ethyl Benzene
Concen: 272.47 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002847.D
Acq: 22 Jun 2018 22:38

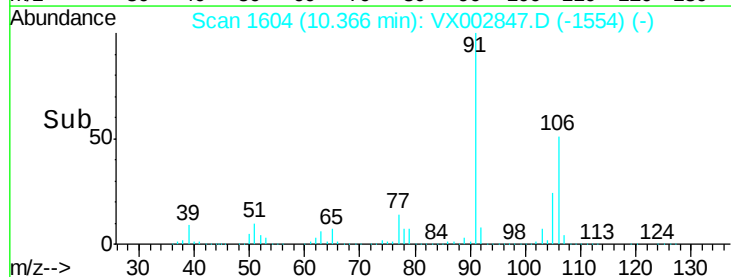
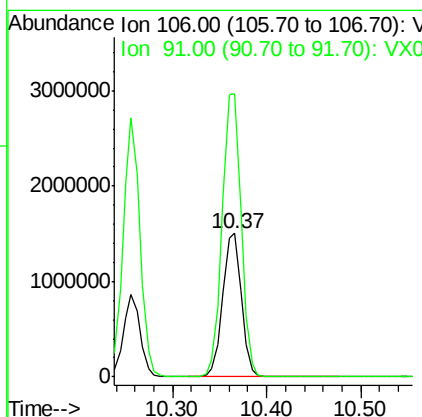
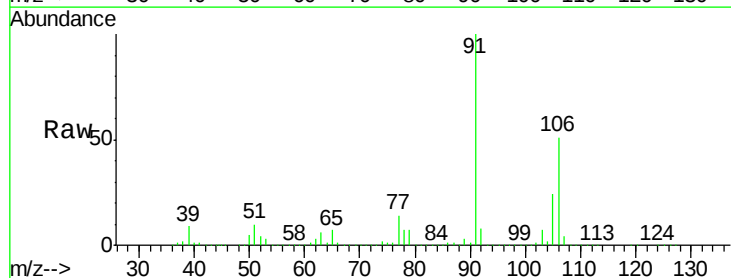
Instrument :
MSVOA_X
ClientSampleId :

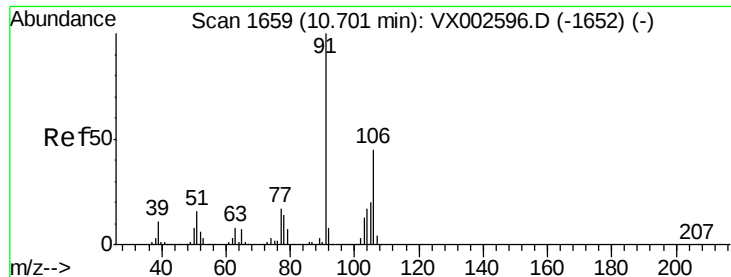
Tot Ion: 91 Resp: 3446743
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3



#68
m/p-Xylenes
Concen: 423.16 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX002847.D
Acq: 22 Jun 2018 22:38

Tgt Ion: 106 Resp: 2064890
Ion Ratio Lower Upper
106 100
91 201.4 163.4 245.2

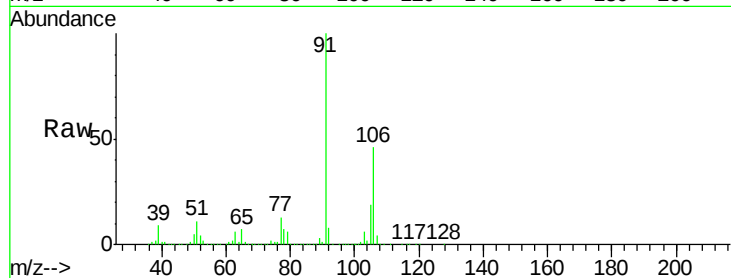




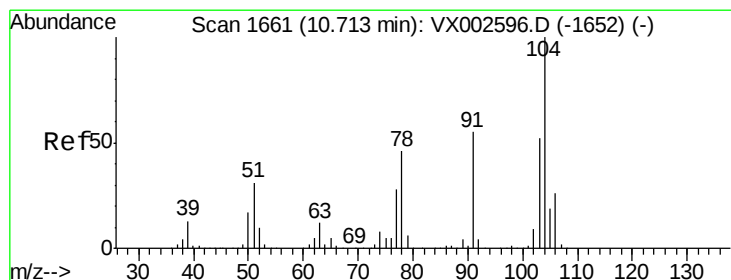
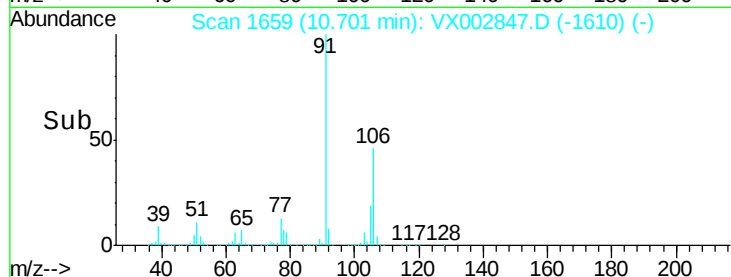
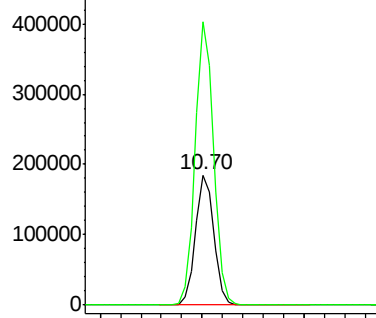
#69
o-Xylene
Concen: 48.28 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002847.D
Acq: 22 Jun 2018 22:38

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 231492
Ion Ratio Lower Upper
106 100
91 217.9 108.2 324.6

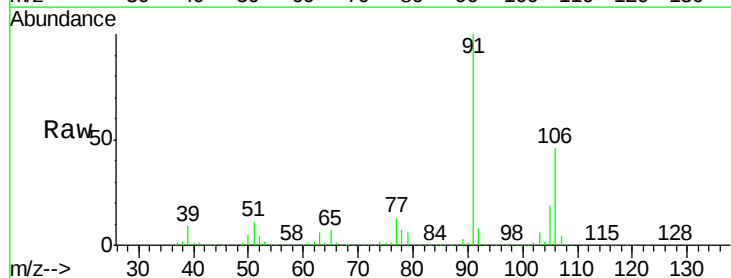


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

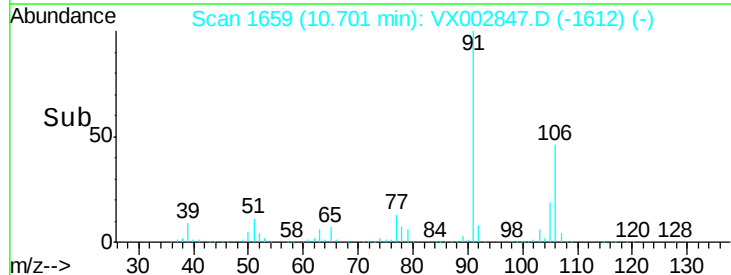
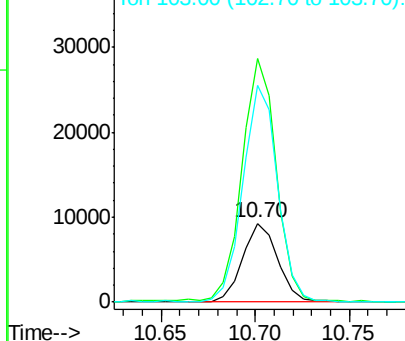


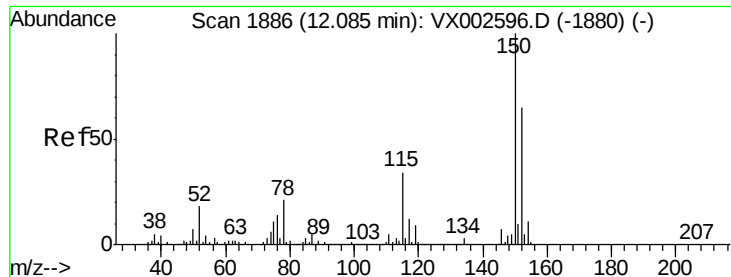
#70
Styrene
Concen: 1.54 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX002847.D
Acq: 22 Jun 2018 22:38

Tgt Ion:104 Resp: 12150
Ion Ratio Lower Upper
104 100
78 304.5 41.0 61.6#
103 267.7 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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

Instrument :

MSVOA_X

ClientSampleId :

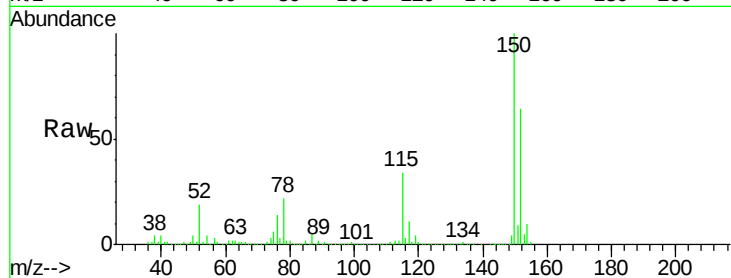
Tot Ion:152 Resp: 195304

Ion Ratio Lower Upper

152 100

115 59.2 40.1 120.2

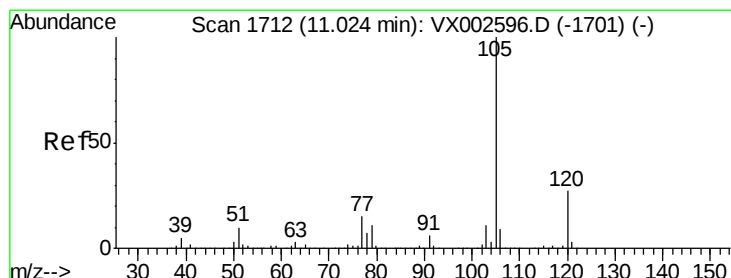
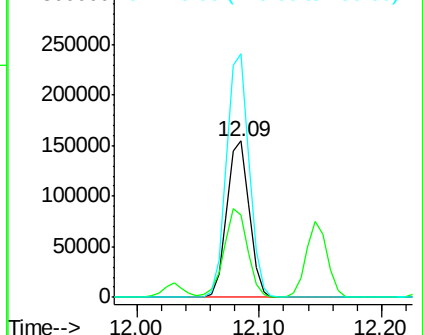
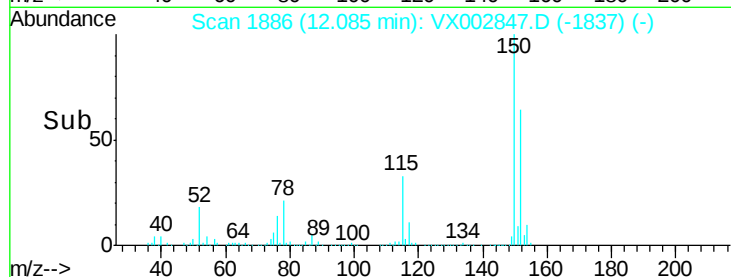
150 156.6 0.0 347.2



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: 31.55 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002847.D

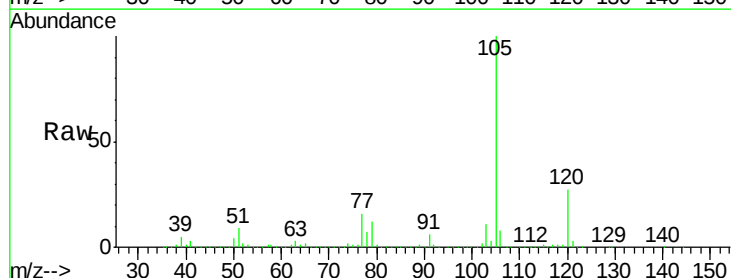
Acq: 22 Jun 2018 22:38

Tgt Ion:105 Resp: 412105

Ion Ratio Lower Upper

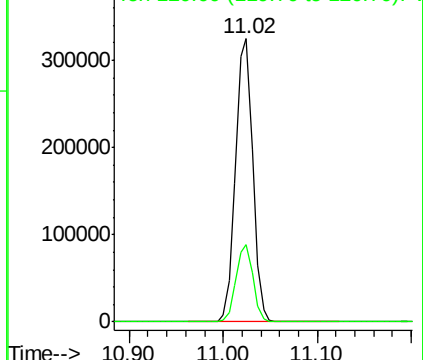
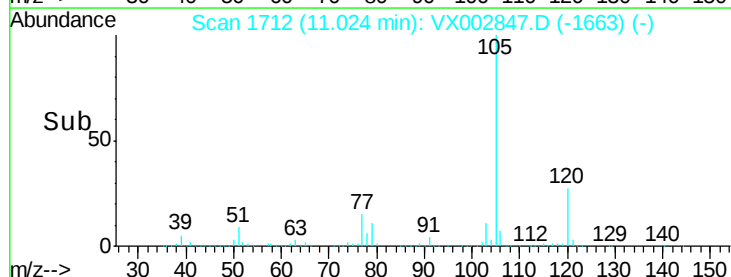
105 100

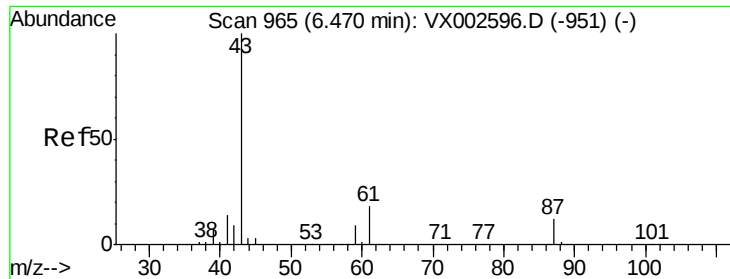
120 26.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.84 ug/l

RT: 6.45 min Scan# 962

Delta R.T. -0.02 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 5439

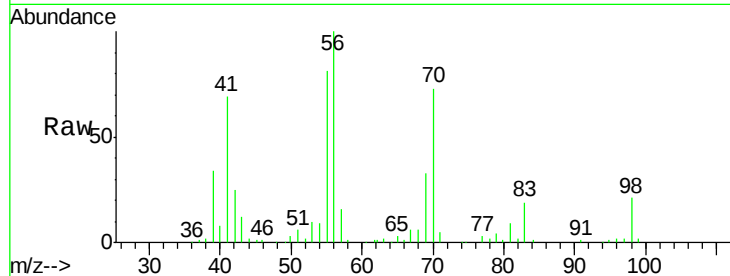
Ion Ratio Lower Upper

43 100

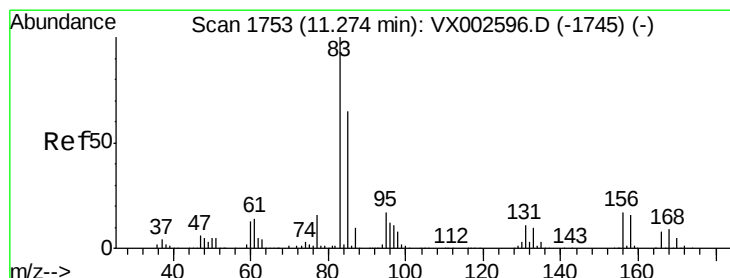
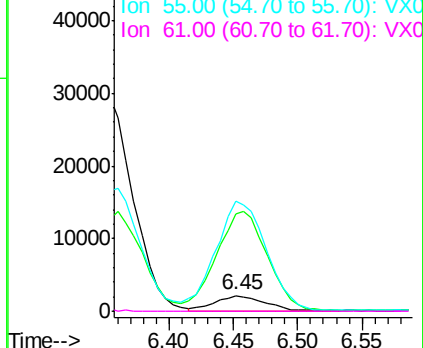
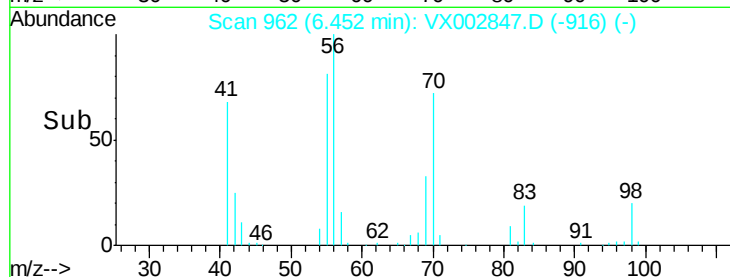
70 697.6 0.0 0.0#

55 754.0 0.0 0.0#

61 0.0 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: 0.66 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

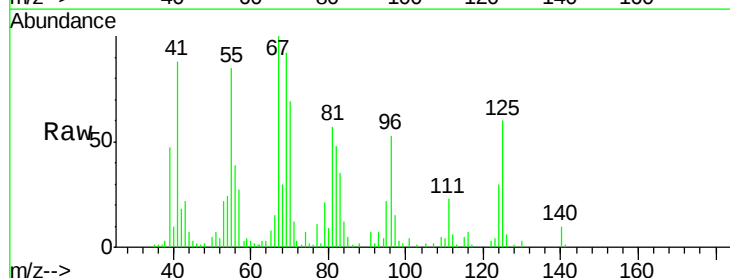
Tgt Ion: 83 Resp: 2565

Ion Ratio Lower Upper

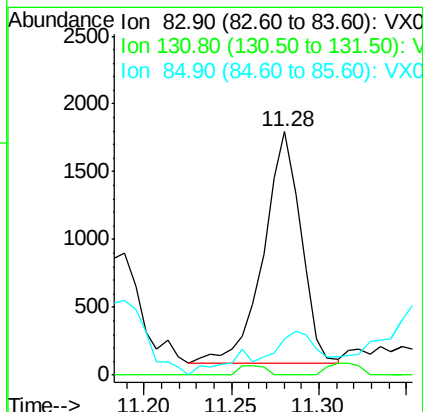
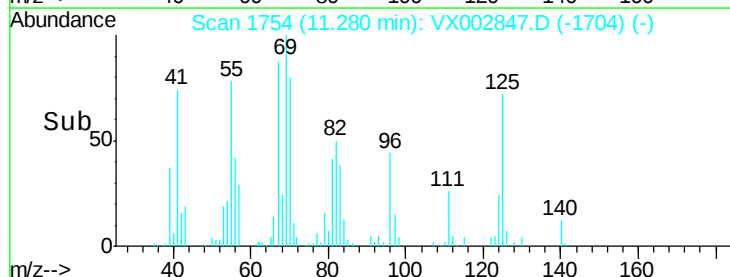
83 100

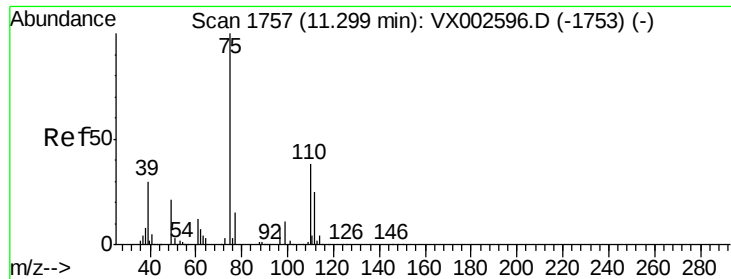
131 0.0 5.6 16.8#

85 11.8 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: 0.93 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.07 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

Instrument :

MSVOA_X

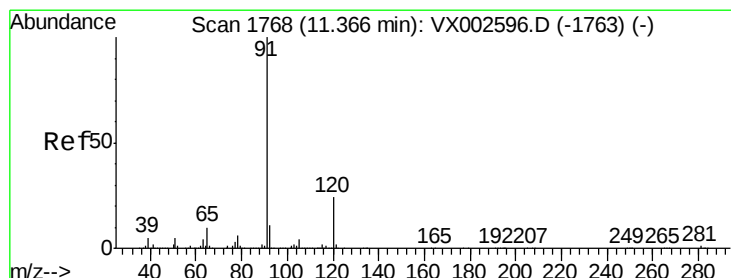
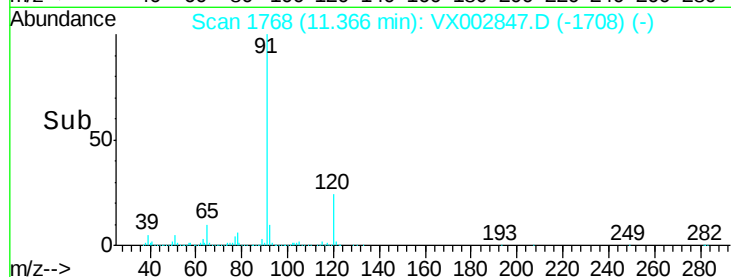
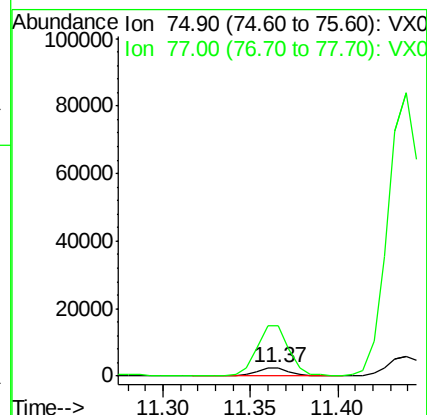
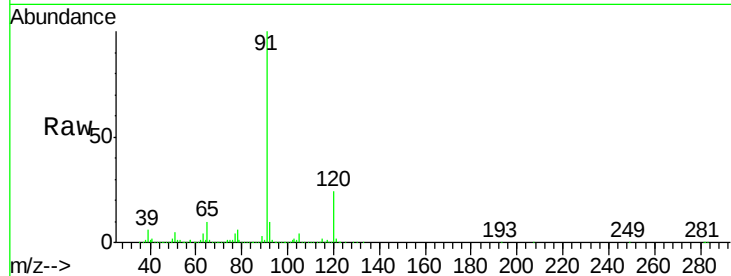
ClientSampleId :

Tot Ion: 75 Resp: 3438

Ion Ratio Lower Upper

75 100

77 555.3 22.8 68.3#



#78

n-propylbenzene

Concen: 30.48 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002847.D

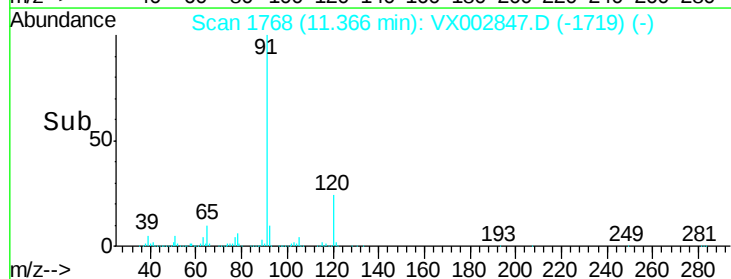
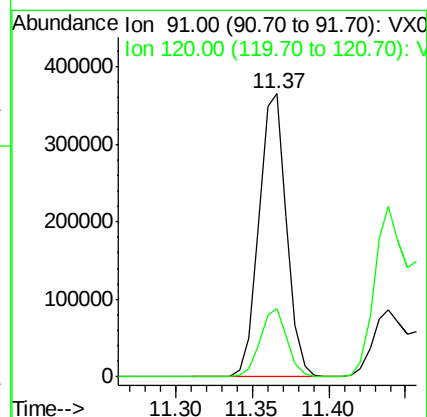
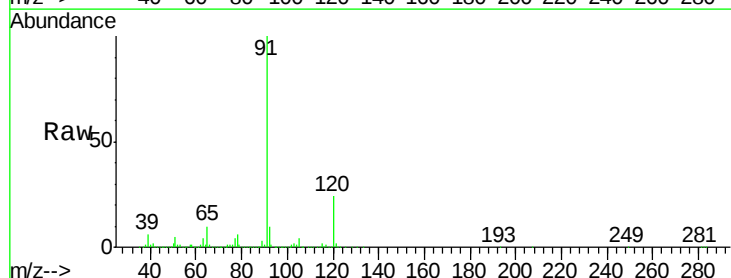
Acq: 22 Jun 2018 22:38

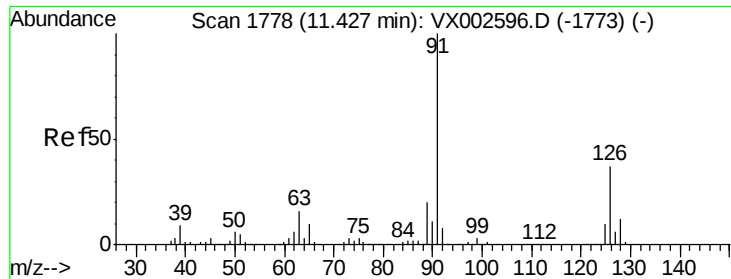
Tgt Ion: 91 Resp: 456574

Ion Ratio Lower Upper

91 100

120 23.5 11.8 35.4

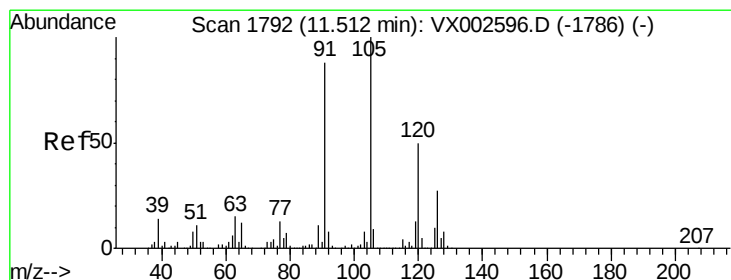
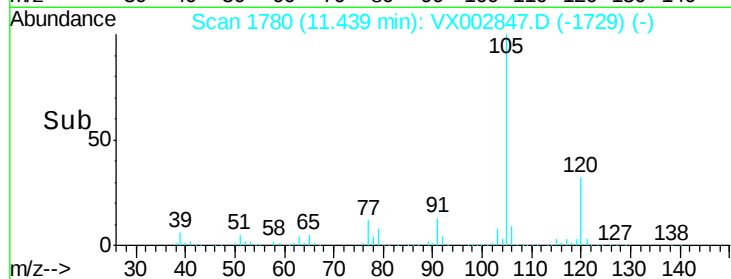
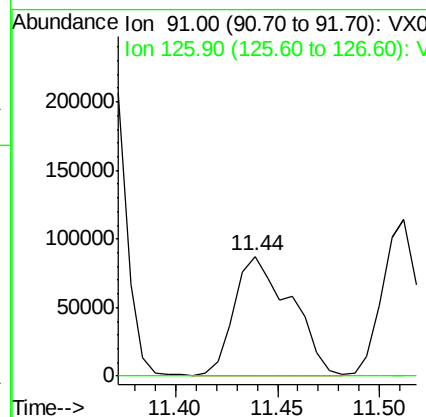
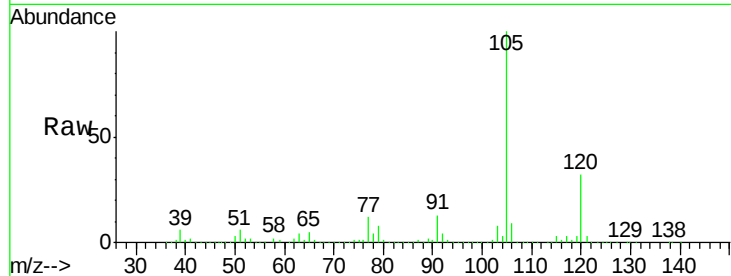




#79
 2-Chlorotoluene
 Concen: 18.85 ug/l
 RT: 11.44 min Scan# 1780
 Delta R.T. 0.01 min
 Lab File: VX002847.D
 Acq: 22 Jun 2018 22:38

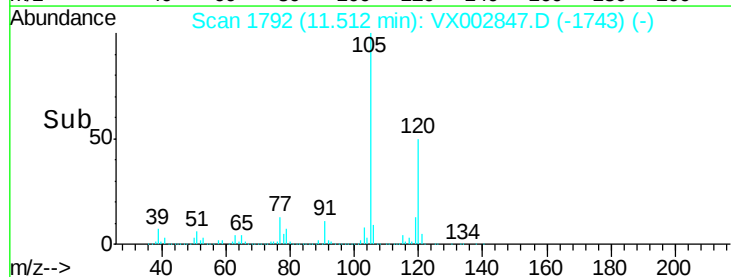
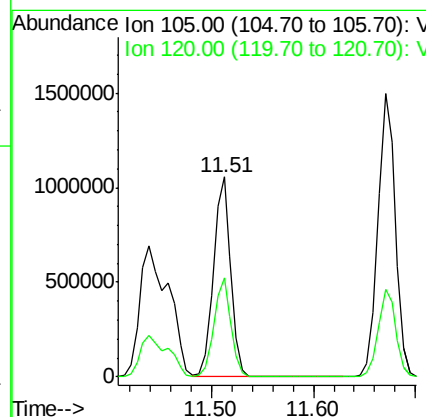
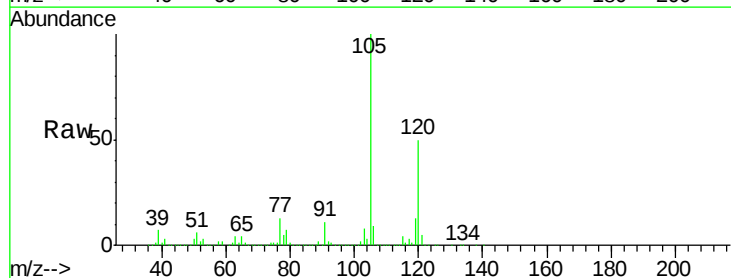
Instrument :
 MSVOA_X
 ClientSampleId :

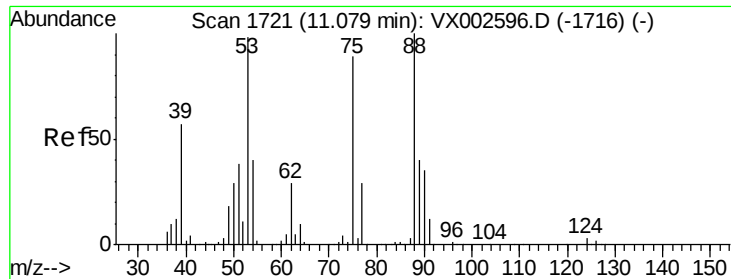
Tot Ion: 91 Resp: 168550
 Ion Ratio Lower Upper
 91 100
 126 0.1 17.7 53.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 112.91 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX002847.D
 Acq: 22 Jun 2018 22:38

Tgt Ion:105 Resp: 1246403
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 8.24 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.05 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

Instrument :

MSVOA_X

ClientSampleId :

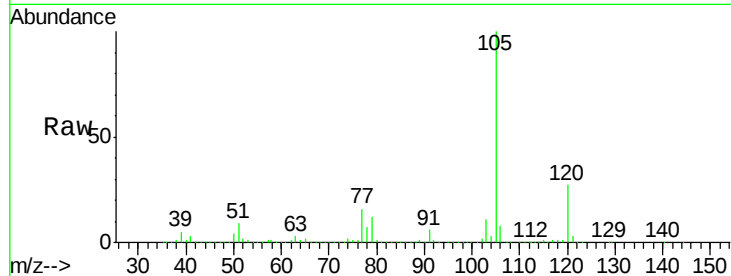
Tot Ion: 75 Resp: 5103

Ion Ratio Lower Upper

75 100

53 114.6 86.8 130.2

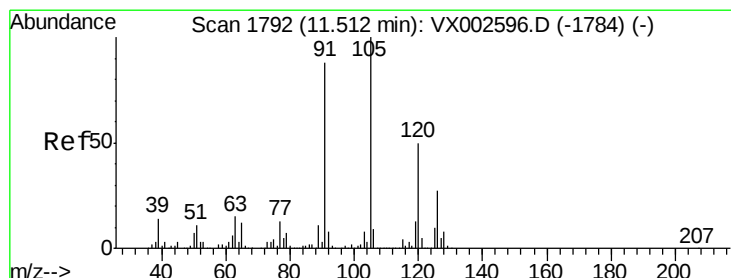
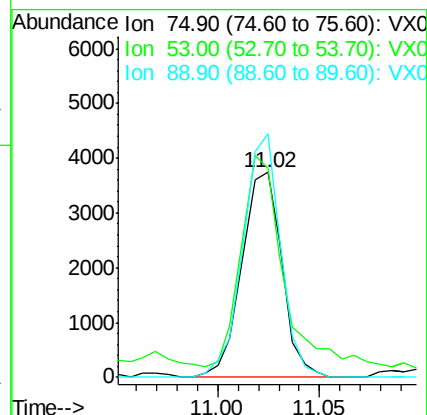
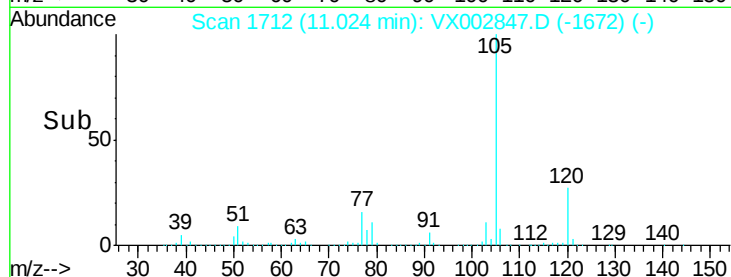
89 111.8 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 13.03 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002847.D

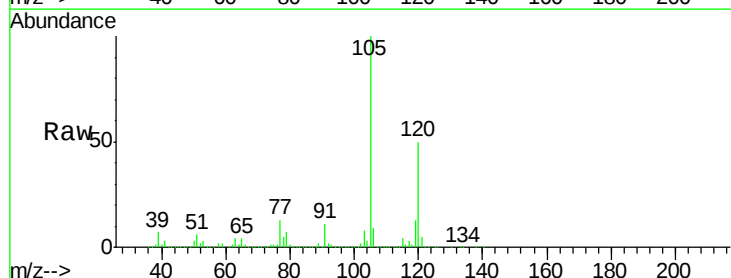
Acq: 22 Jun 2018 22:38

Tgt Ion: 91 Resp: 137521

Ion Ratio Lower Upper

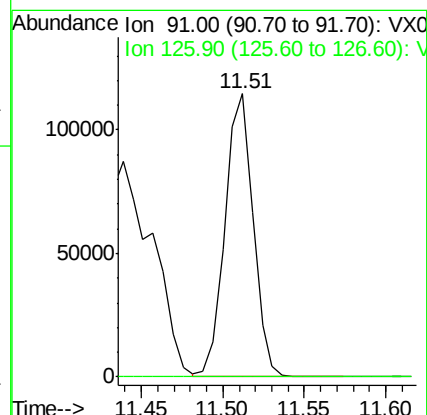
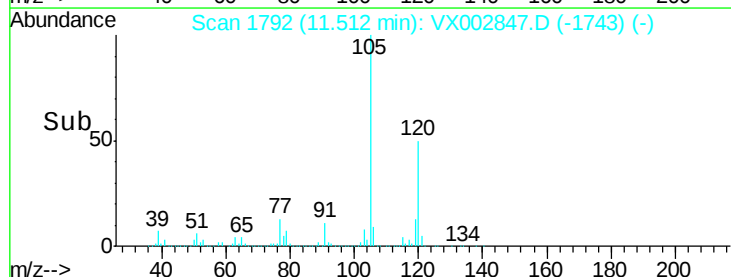
91 100

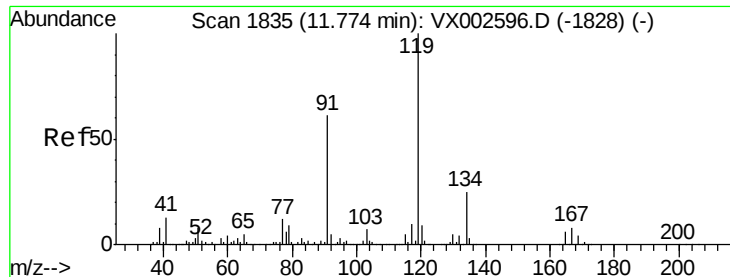
126 0.1 15.4 46.4#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

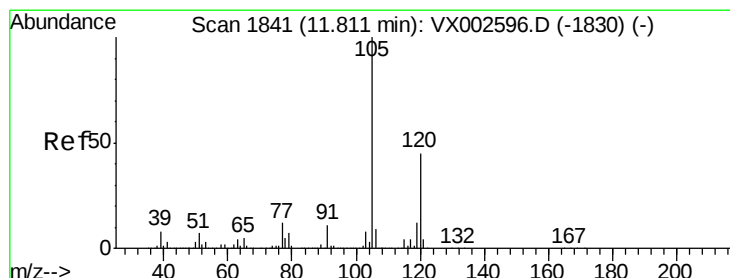
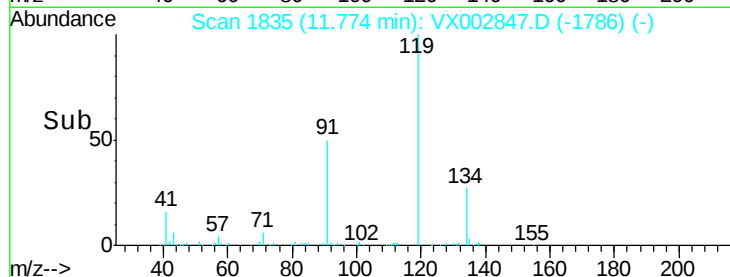
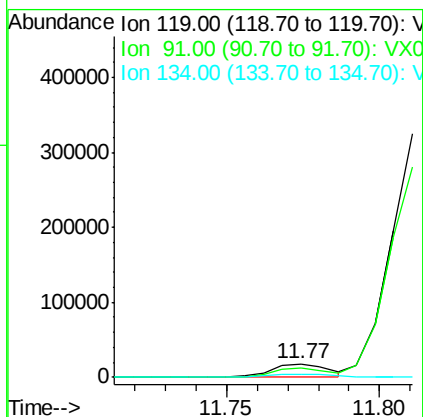
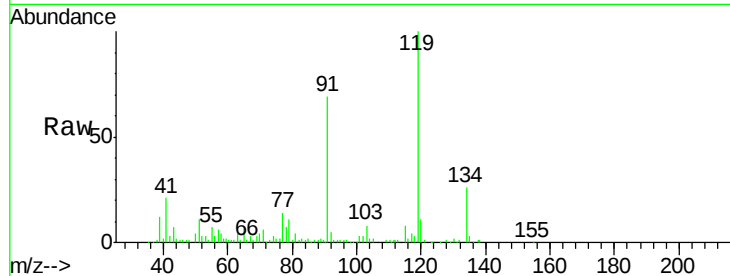




#83
tert-Butylbenzene
Concen: 2.19 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX002847.D
Acq: 22 Jun 2018 22:38

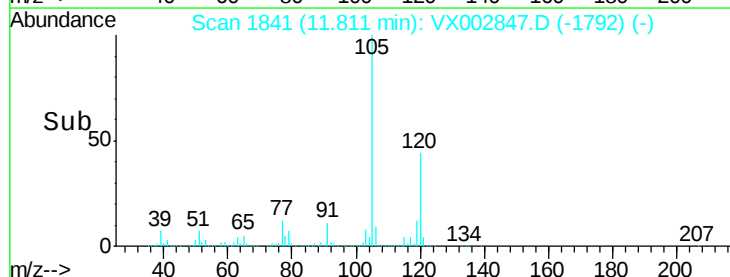
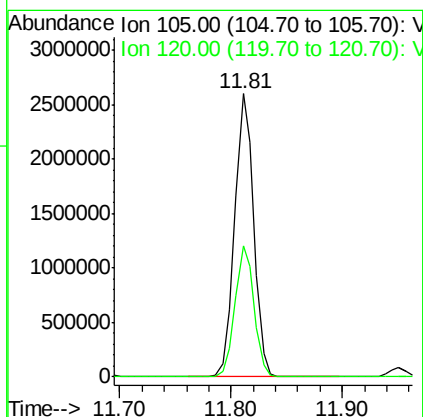
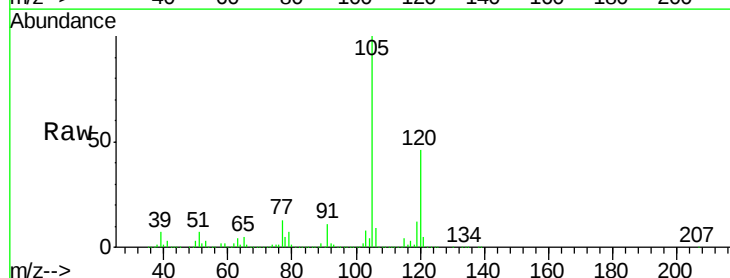
Instrument :
MSVOA_X
ClientSampled :

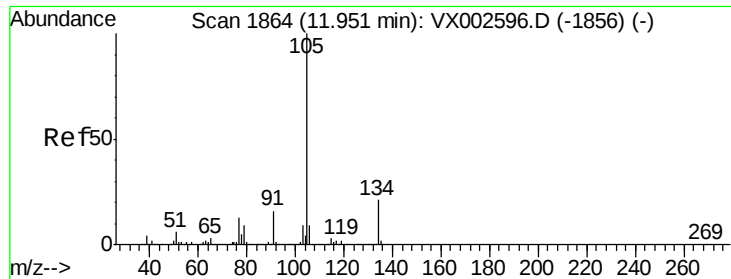
Tot Ion:119 Resp: 23281
Ion Ratio Lower Upper
119 100
91 64.9 30.3 90.9
134 25.6 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 271.00 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX002847.D
Acq: 22 Jun 2018 22:38

Tgt Ion:105 Resp: 3052569
Ion Ratio Lower Upper
105 100
120 46.3 22.3 66.8





#85

sec-Butylbenzene

Concen: 7.50 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

Instrument :

MSVOA_X

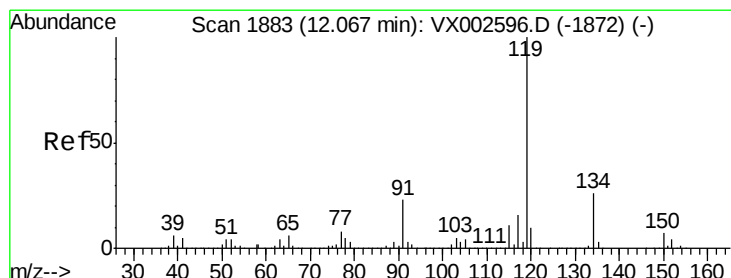
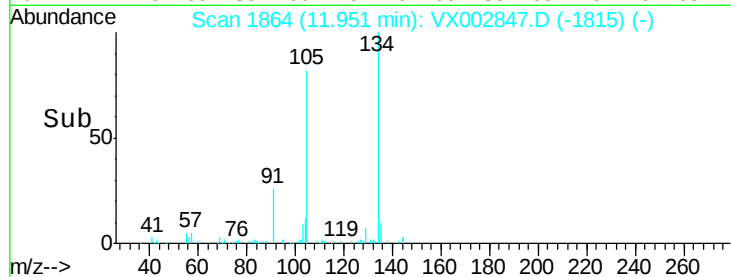
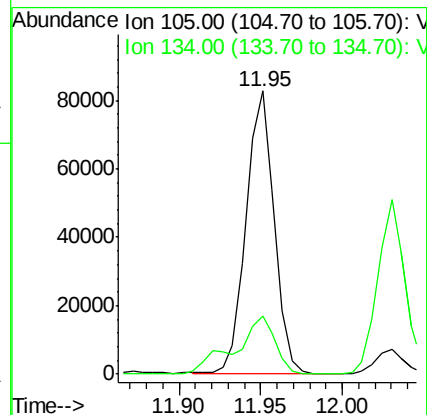
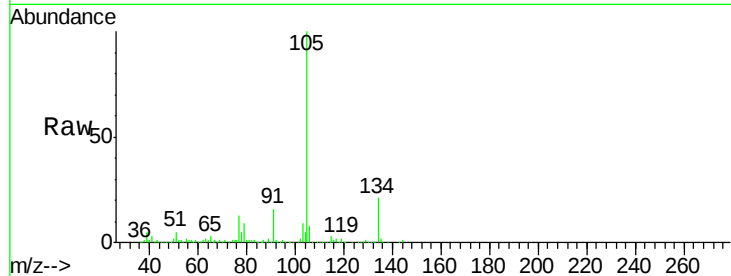
ClientSampleId :

Tot Ion:105 Resp: 99228

Ion Ratio Lower Upper

105 100

134 29.5 10.4 31.1



#86

p-Isopropyltoluene

Concen: 10.78 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

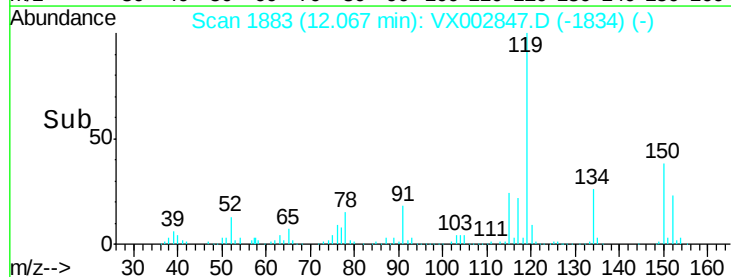
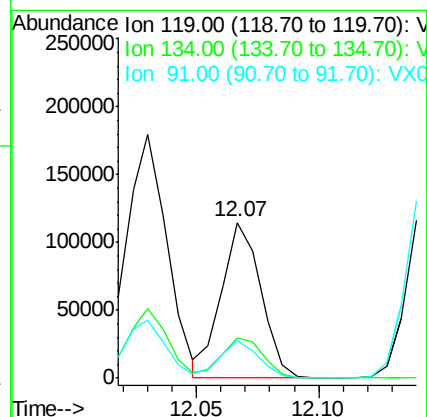
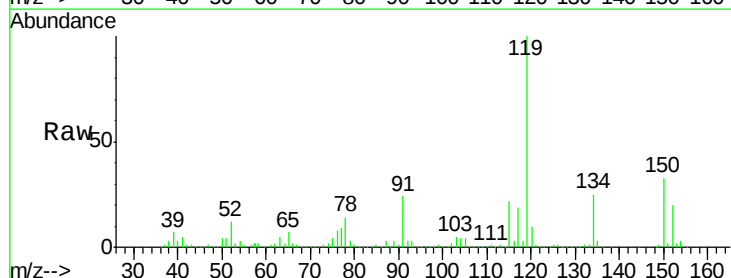
Tgt Ion:119 Resp: 129001

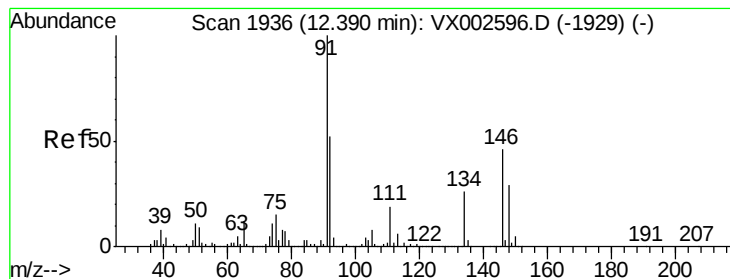
Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.1

91 23.8 11.9 35.7





#89

n-Butylbenzene

Concen: 14.79 ug/l

RT: 12.38 min Scan# 1934

Delta R.T. -0.01 min

Lab File: VX002847.D

Acq: 22 Jun 2018 22:38

Instrument :

MSVOA_X

ClientSampled :

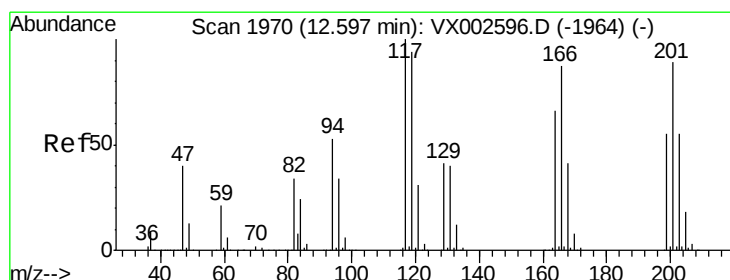
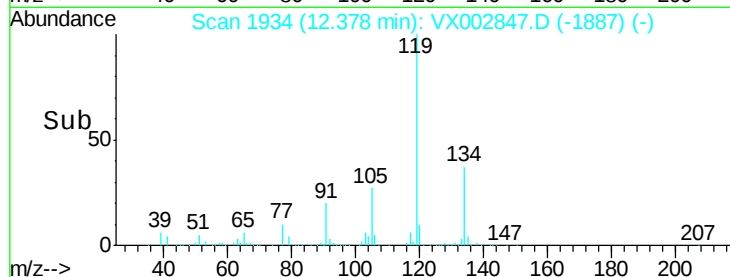
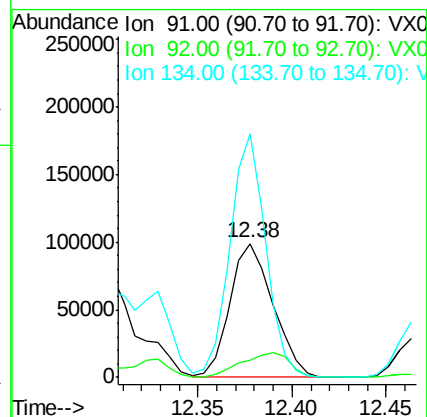
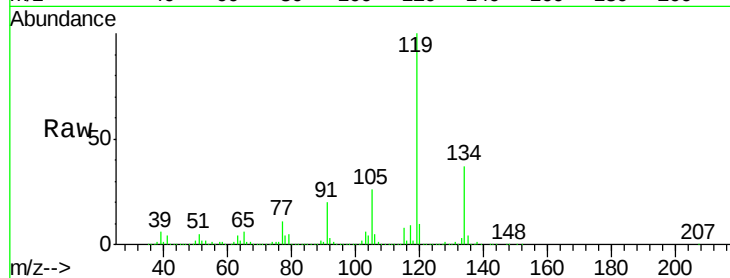
Tot Ion: 91 Resp: 156077

Ion Ratio Lower Upper

91 100

92 20.9 26.0 78.0#

134 150.9 13.5 40.5#



#90

Hexachloroethane

Concen: 26.76 ug/l

RT: 12.59 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VX002847.D

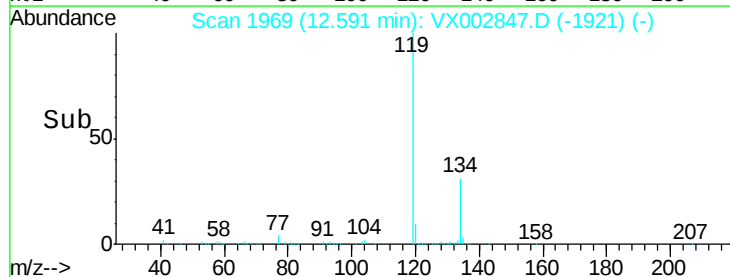
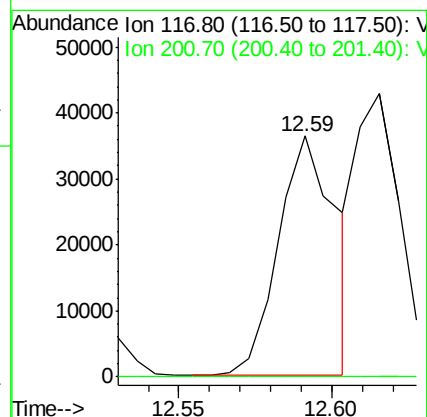
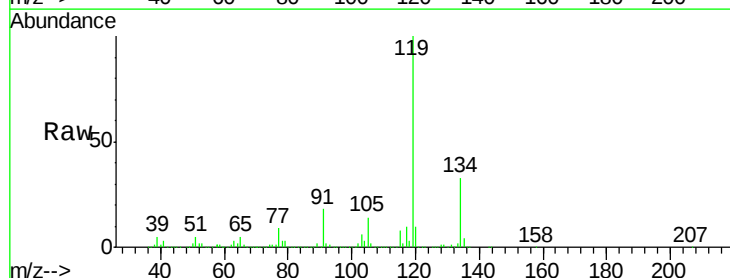
Acq: 22 Jun 2018 22:38

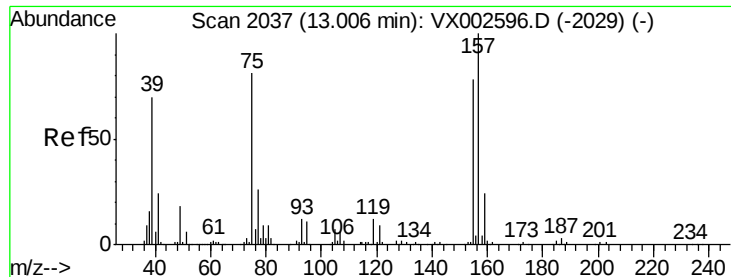
Tgt Ion: 117 Resp: 47512

Ion Ratio Lower Upper

117 100

201 0.0 49.0 147.0#

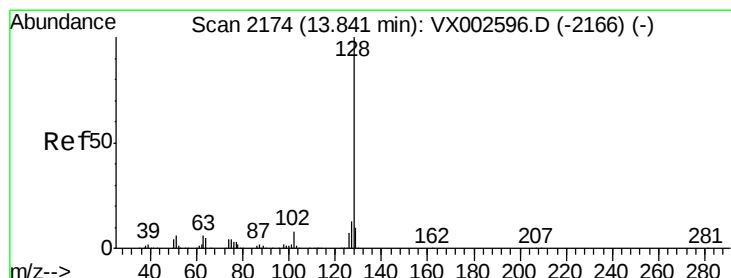
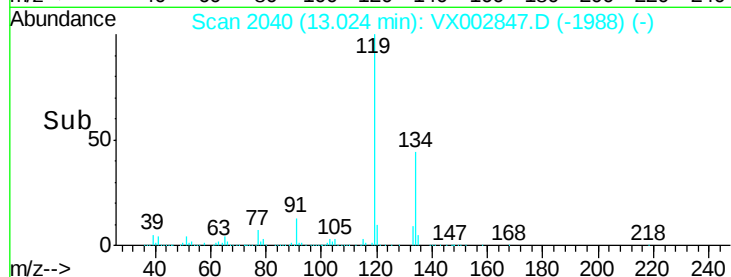
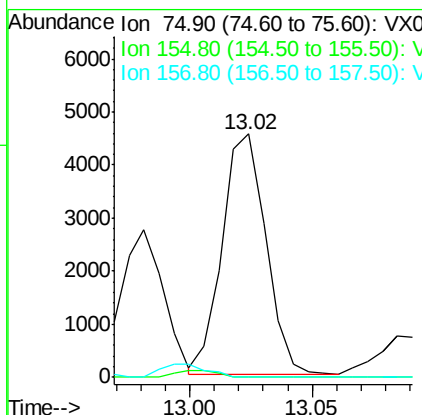
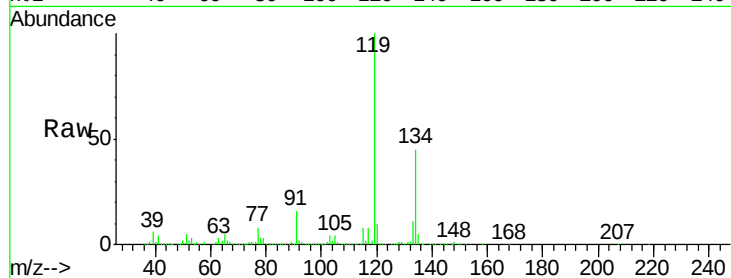




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.92 ug/l
 RT: 13.02 min Scan# 2040
 Delta R.T. 0.02 min
 Lab File: VX002847.D
 Acq: 22 Jun 2018 22:38

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 5593
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.8 137.4#
 157 0.0 60.1 180.3#



#95
 Naphthalene
 Concen: 42.85 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: VX002847.D
 Acq: 22 Jun 2018 22:38

Tgt Ion:128 Resp: 562104
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.4 15.6
 129 12.1 8.6 13.0

