

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042018\
 Data File : VX001012.D
 Acq On : 20 Apr 2018 16:43
 Operator : JC/MD
 Sample : VX0420WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 05:35:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	197420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	272232	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	259725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	178472	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	125595	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
35) Dibromofluoromethane	5.51	113	103177	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
50) Toluene-d8	8.72	98	371344	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.14	95	155544	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	45925	18.76	ug/l	97
3) Chloromethane	1.32	50	41414	18.16	ug/l	99
4) Vinyl Chloride	1.41	62	42305	17.90	ug/l	100
5) Bromomethane	1.65	94	28933	18.98	ug/l	99
6) Chloroethane	1.73	64	24666	17.57	ug/l	99
7) Trichlorofluoromethane	1.93	101	63185	17.80	ug/l	100
8) Diethyl Ether	2.19	74	23113	17.63	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	35760	17.19	ug/l	98
10) Methyl Iodide	2.52	142	25020	17.94	ug/l	98
11) Tert butyl alcohol	3.07	59	34531	91.49	ug/l	98
12) 1,1-Dichloroethene	2.38	96	33237	17.28	ug/l	97
13) Acrolein	2.30	56	14080	125.44	ug/l	99
14) Allyl chloride	2.73	41	59932	17.22	ug/l	98
15) Acrylonitrile	3.15	53	90662	88.76	ug/l	100
16) Acetone	2.45	43	91980	97.61	ug/l	98
17) Carbon Disulfide	2.57	76	89552	16.34	ug/l	100
18) Methyl Acetate	2.78	43	55686	19.53	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	114864	17.76	ug/l	99
20) Methylene Chloride	2.87	84	38228	18.28	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	36326	16.96	ug/l	95
22) Diisopropyl ether	3.88	45	117906	17.50	ug/l	98
23) Vinyl Acetate	3.83	43	486322	87.17	ug/l	99
24) 1,1-Dichloroethane	3.70	63	66761	17.66	ug/l	99
25) 2-Butanone	4.71	43	133329	90.63	ug/l	99
26) 2,2-Dichloropropane	4.59	77	55622	17.11	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	42044	17.63	ug/l	100
28) Bromochloromethane	5.03	49	30524	21.00	ug/l	100
29) Tetrahydrofuran	5.17	42	81813	88.01	ug/l	100
30) Chloroform	5.23	83	69572	17.77	ug/l	96
31) Cyclohexane	5.58	56	59858	16.97	ug/l	95
32) 1,1,1-Trichloroethane	5.51	97	60092	17.12	ug/l	97
36) 1,1-Dichloropropene	5.81	75	53648	16.77	ug/l	99
37) Ethyl Acetate	4.87	43	49700	16.94	ug/l	99
38) Carbon Tetrachloride	5.79	117	51596	15.93	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	62989	16.92	ug/l	98
40) Benzene	6.15	78	150725	16.95	ug/l	99
41) Methacrylonitrile	5.07	41	30913	16.87	ug/l	98
42) 1,2-Dichloroethane	6.21	62	58861	17.24	ug/l	99
43) Isopropyl Acetate	6.48	43	84576	16.80	ug/l	99
44) Trichloroethene	7.22	130	45837	16.87	ug/l	97
45) 1,2-Dichloropropane	7.52	63	38716	17.31	ug/l	99
46) Dibromomethane	7.67	93	26363	16.87	ug/l	99
47) Bromodichloromethane	7.91	83	47889	16.54	ug/l	98
48) Methyl methacrylate	7.79	41	46294	17.08	ug/l	97
49) 1,4-Dioxane	7.76	88	13841	347.21	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	265582	86.88	ug/l	98
52) Toluene	8.79	92	99510	17.14	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	58221	16.82	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	54503	16.70	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	39020	16.91	ug/l	99
56) Ethyl methacrylate	9.19	69	57586	16.99	ug/l	99
57) 1,3-Dichloropropane	9.38	76	64962	17.00	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	146419	88.53	ug/l	100
59) 2-Hexanone	9.51	43	202916	86.72	ug/l	99
60) Dibromochloromethane	9.59	129	39761	16.41	ug/l	97
61) 1,2-Dibromoethane	9.68	107	41815	17.17	ug/l	100
64) Tetrachloroethene	9.34	164	47181	17.11	ug/l	98
65) Chlorobenzene	10.15	112	115401	16.69	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	39657	16.71	ug/l	100
67) Ethyl Benzene	10.26	91	192698	16.78	ug/l	99
68) m/p-Xylenes	10.37	106	151722	33.52	ug/l	98
69) o-Xylene	10.71	106	72152	16.53	ug/l	98
70) Styrene	10.72	104	120878	16.82	ug/l	99
71) Bromoform	10.87	173	30530	15.79	ug/l #	99
73) Isopropylbenzene	11.02	105	199611	17.11	ug/l	99
74) N-amyl acetate	6.48	43	84576	16.95	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	56414	17.08	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	61762	19.95	ug/l	91
77) Bromobenzene	11.26	156	58138	17.17	ug/l	99
78) n-propylbenzene	11.37	91	231434	17.28	ug/l	99
79) 2-Chlorotoluene	11.43	91	134281	16.97	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	169722	17.16	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	13024	15.31	ug/l	89
82) 4-Chlorotoluene	11.52	91	165054	17.26	ug/l	98
83) tert-Butylbenzene	11.77	119	175311	17.57	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	178194	17.51	ug/l	98
85) sec-Butylbenzene	11.95	105	213422	17.92	ug/l	99
86) p-Isopropyltoluene	12.07	119	194848	17.69	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	106681	16.83	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	110629	17.00	ug/l	99
89) n-Butylbenzene	12.40	91	175341	17.89	ug/l	100
90) Hexachloroethane	12.60	117	26282	16.84	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	104374	17.00	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	11661	16.85	ug/l	96

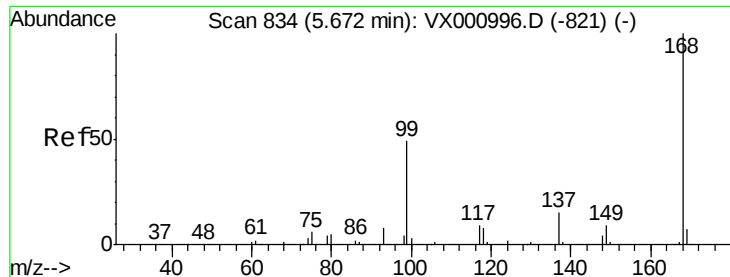
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	89615	17.39	ug/l	100
94) Hexachlorobutadiene	13.79	225	38978	16.72	ug/l	99
95) Naphthalene	13.84	128	221286	17.46	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	88662	17.79	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

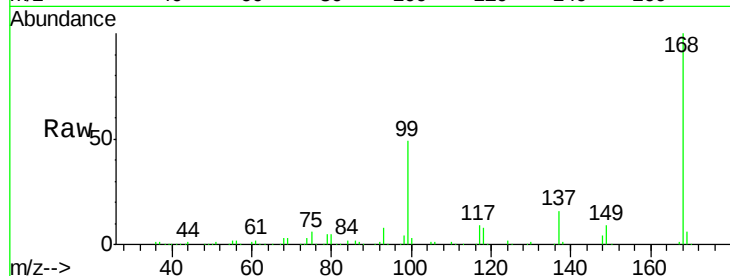
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 197420

Ion Ratio Lower Upper

168 100

99 48.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

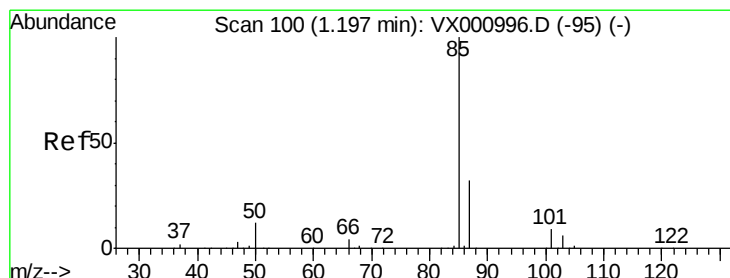
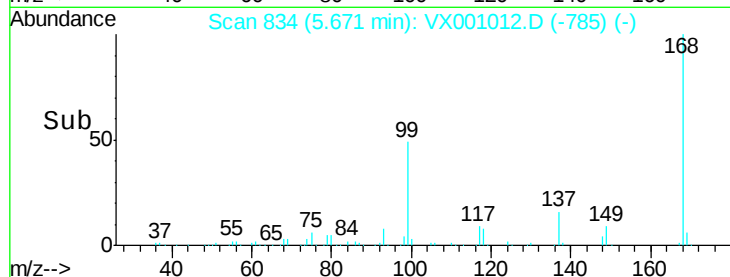
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.76 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001012.D

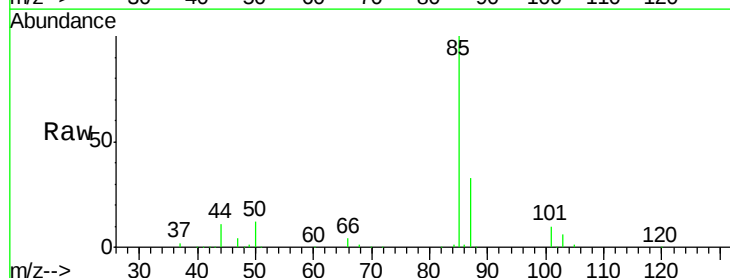
Acq: 20 Apr 2018 16:43

Tgt Ion: 85 Resp: 45925

Ion Ratio Lower Upper

85 100

87 33.2 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

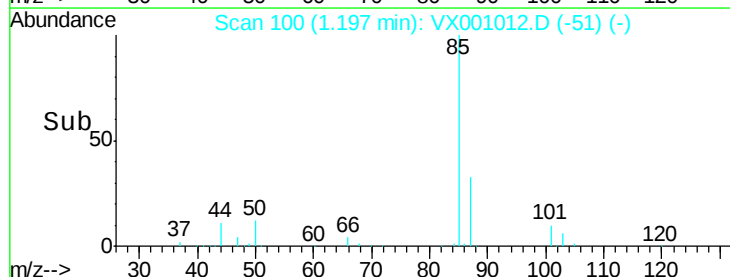
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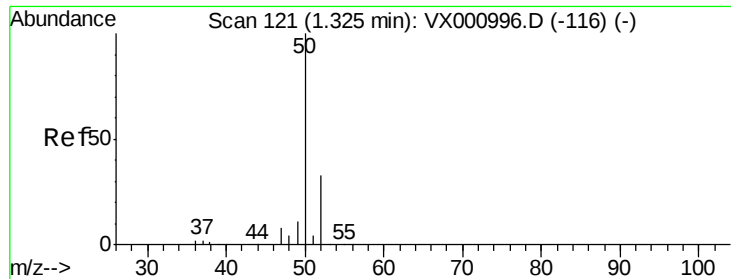
20000

10000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 18.16 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :

MSVOA_X

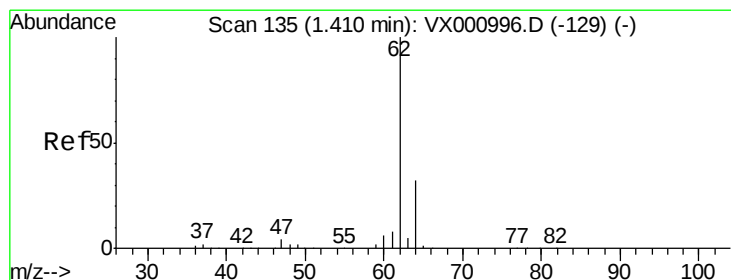
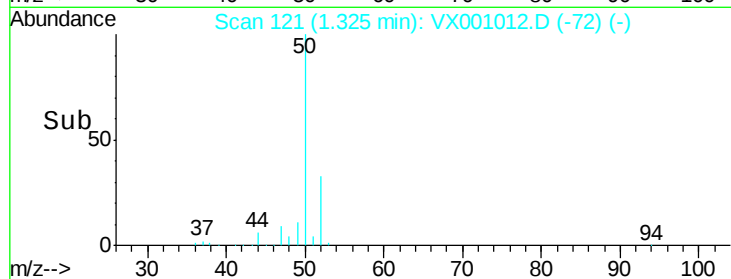
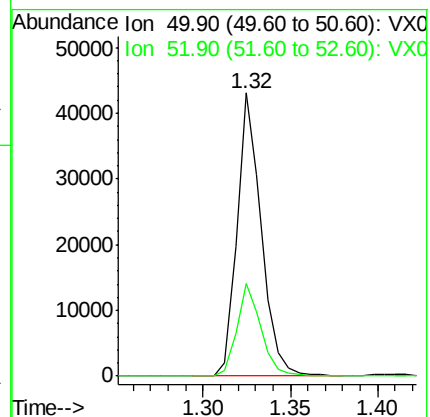
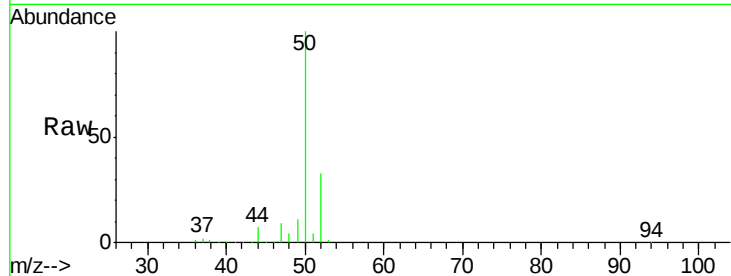
ClientSampleId :

Tot Ion: 50 Resp: 41414

Ion Ratio Lower Upper

50 100

52 32.6 26.3 39.5



#4

Vinyl Chloride

Concen: 17.90 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX001012.D

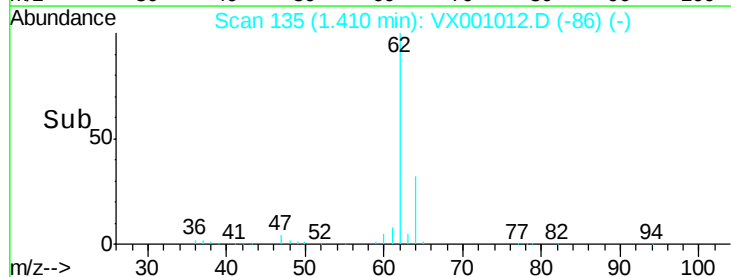
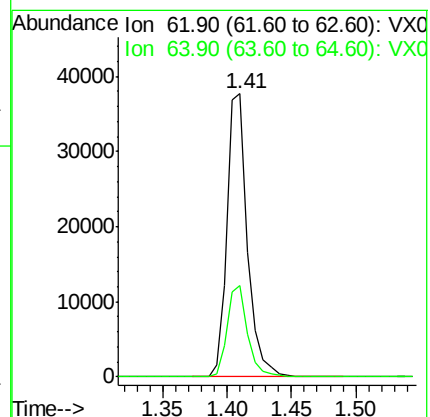
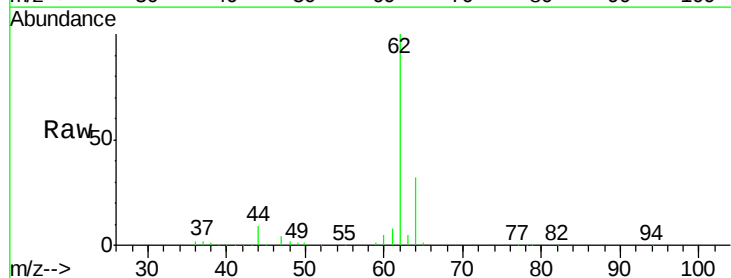
Acq: 20 Apr 2018 16:43

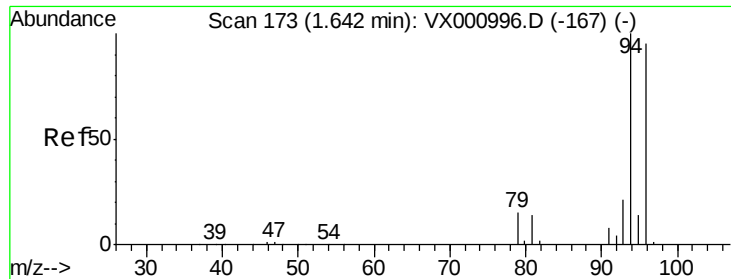
Tgt Ion: 62 Resp: 42305

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4

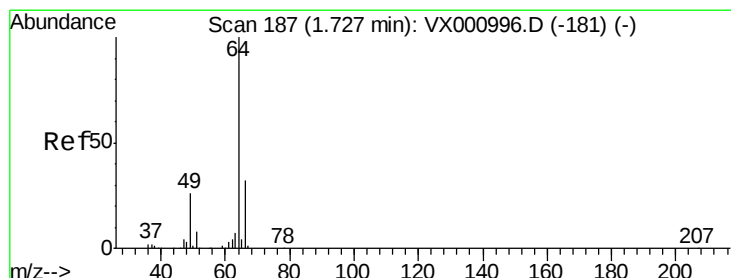
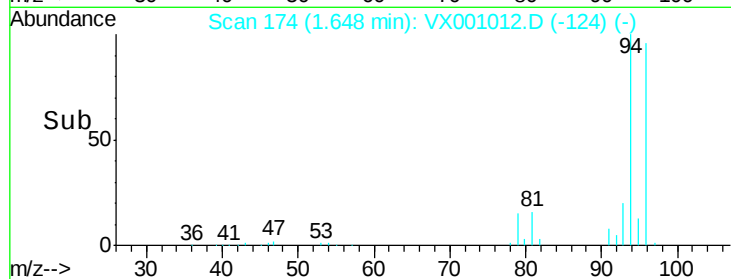
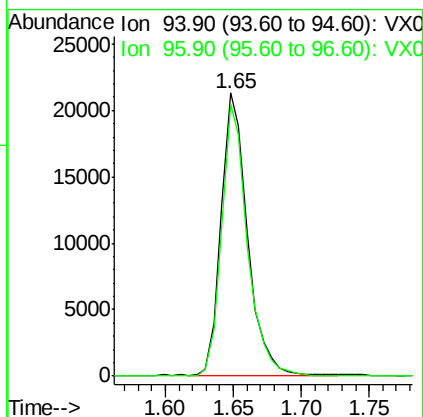
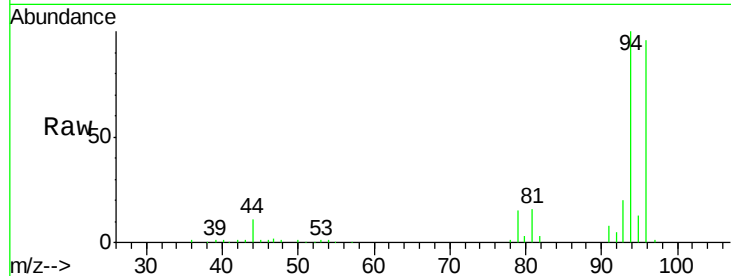




#5
Bromomethane
Concen: 18.98 ug/l
RT: 1.65 min Scan# 174
Delta R.T. 0.01 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

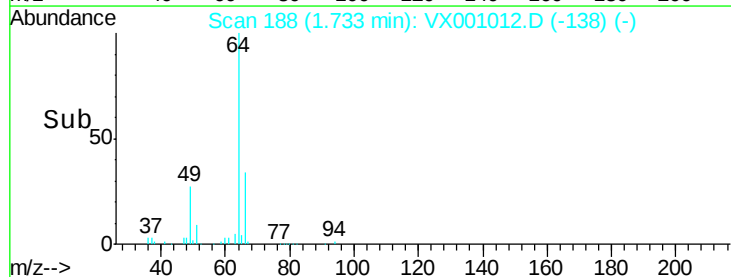
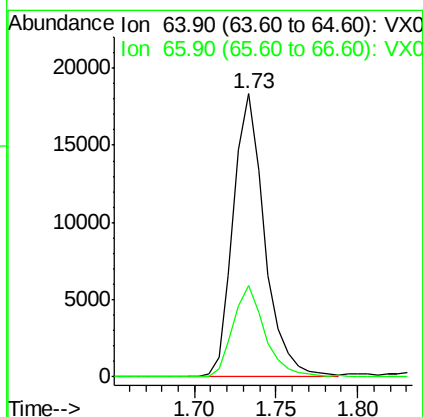
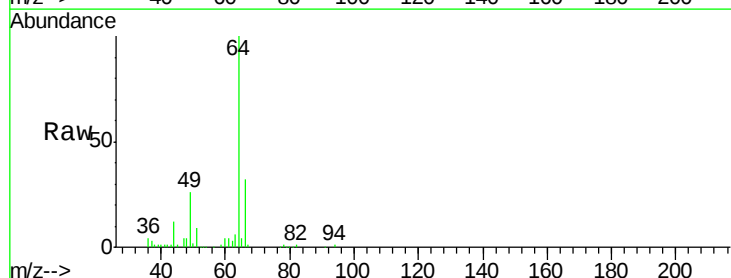
Instrument :
MSVOA_X
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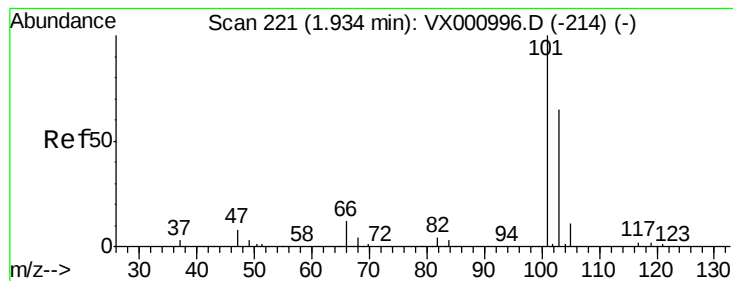
Tot Ion: 94 Resp: 28933
Ion Ratio Lower Upper
94 100
96 95.8 76.0 114.0



#6
Chloroethane
Concen: 17.57 ug/l
RT: 1.73 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

Tgt Ion: 64 Resp: 24666
Ion Ratio Lower Upper
64 100
66 32.1 25.3 37.9



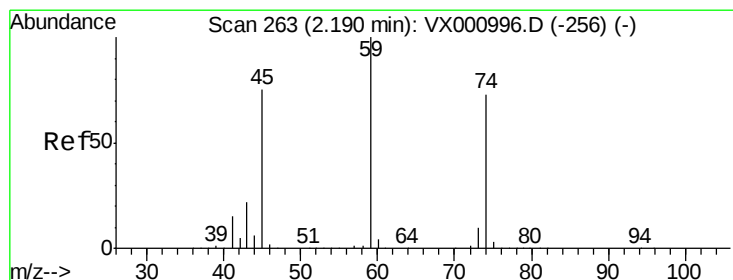
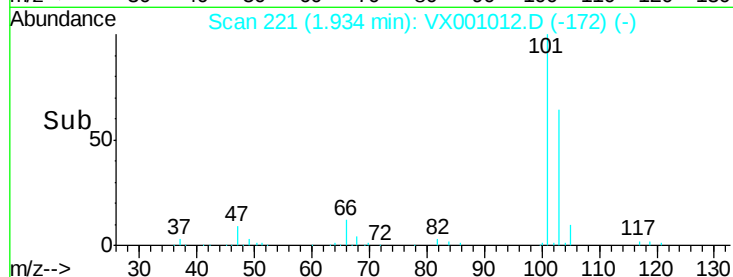
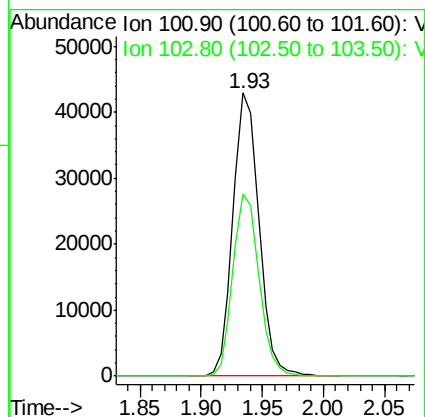
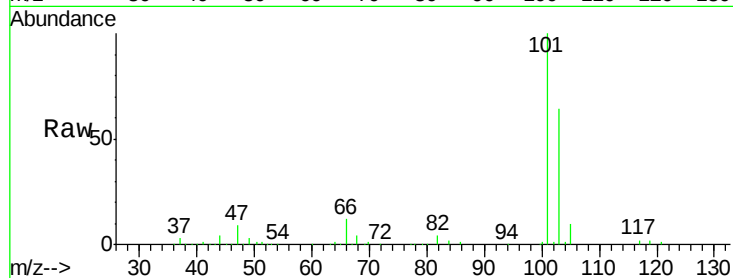


#7

Trichlorofluoromethane
 Concen: 17.80 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VX001012.D
 Acq: 20 Apr 2018 16:43

Instrument :
 MSVOA_X
 ClientSampleId :

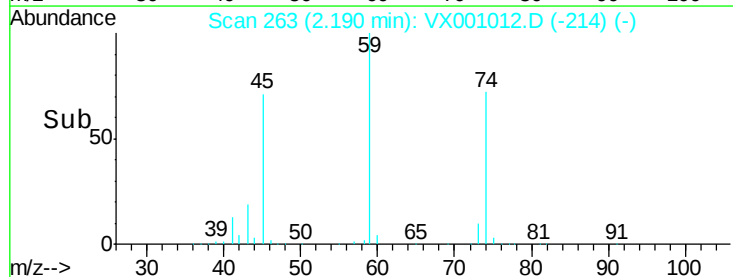
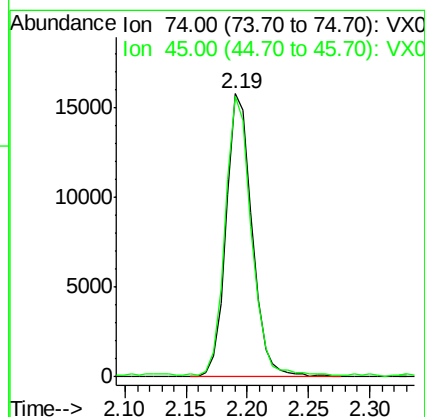
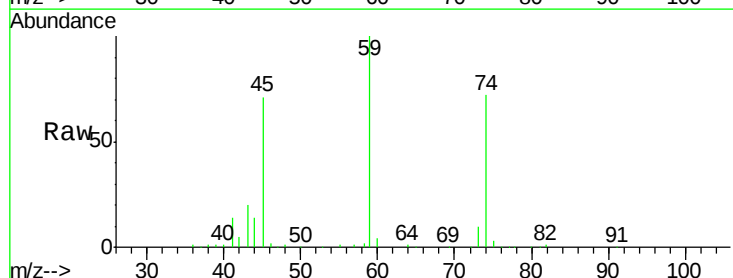
Tot Ion:101 Resp: 63185
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.8 77.8

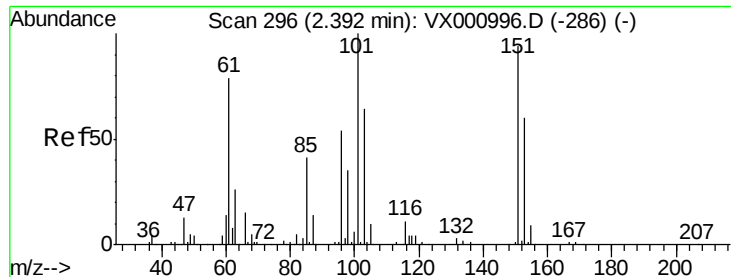


#8

Diethyl Ether
 Concen: 17.63 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX001012.D
 Acq: 20 Apr 2018 16:43

Tgt Ion: 74 Resp: 23113
 Ion Ratio Lower Upper
 74 100
 45 99.1 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.19 ug/l

RT: 2.39 min Scan# 296

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :

MSVOA_X

ClientSampled :

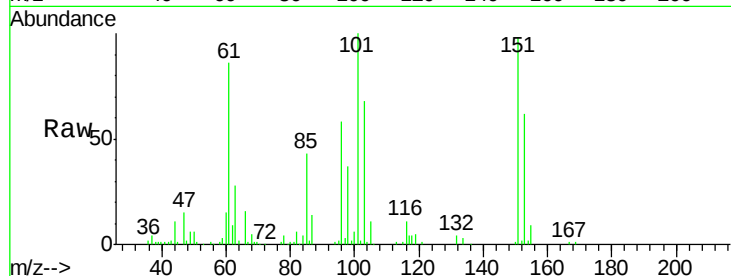
Tot Ion:101 Resp: 35760

Ion Ratio Lower Upper

101 100

85 43.2 33.9 50.9

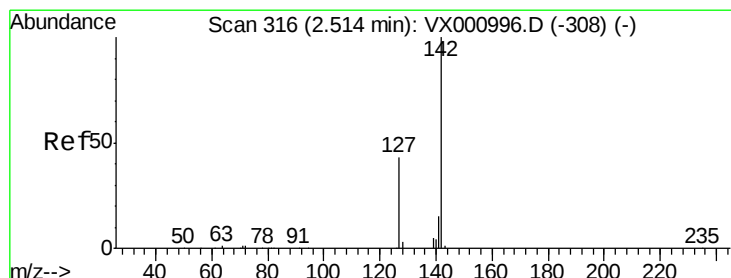
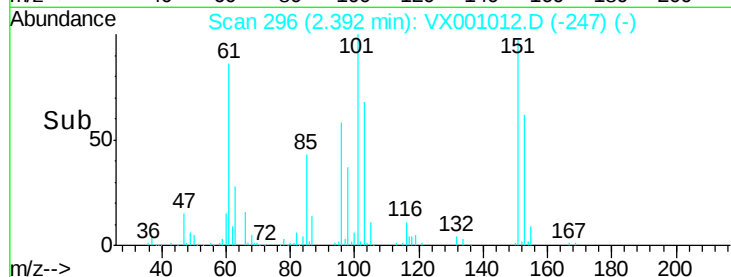
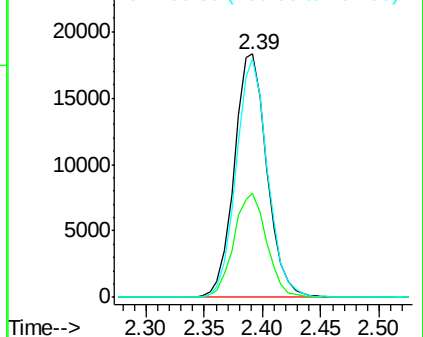
151 94.5 73.5 110.3



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: 17.94 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

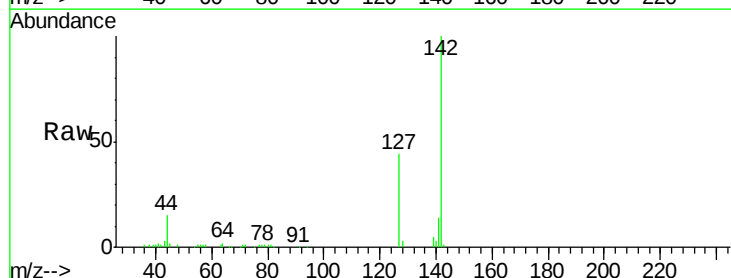
Tgt Ion:142 Resp: 25020

Ion Ratio Lower Upper

142 100

127 43.5 34.0 51.0

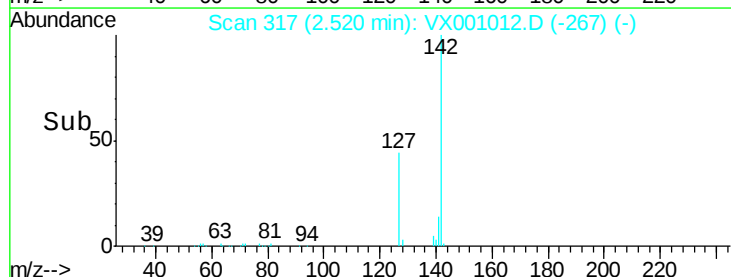
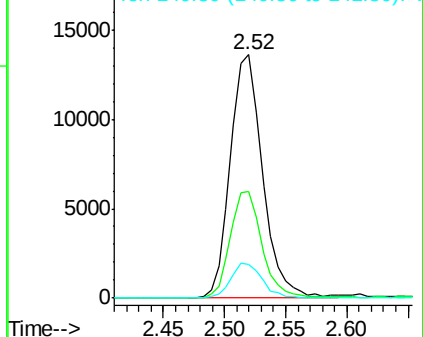
141 13.7 11.4 17.2

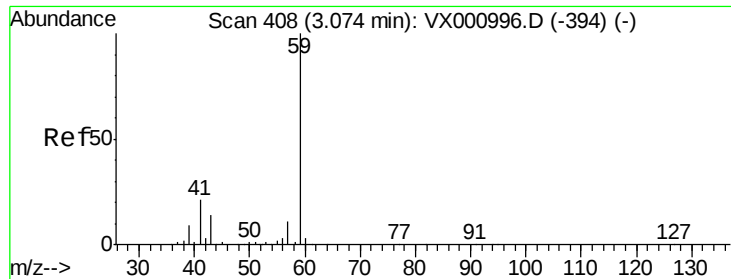


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

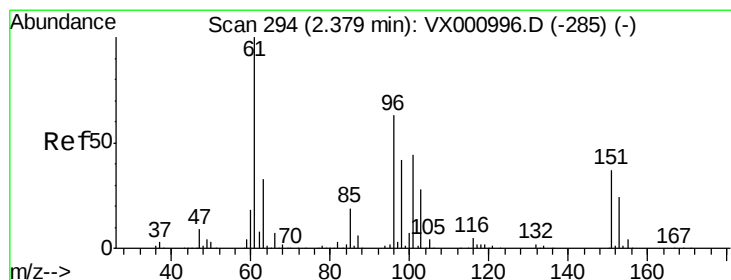
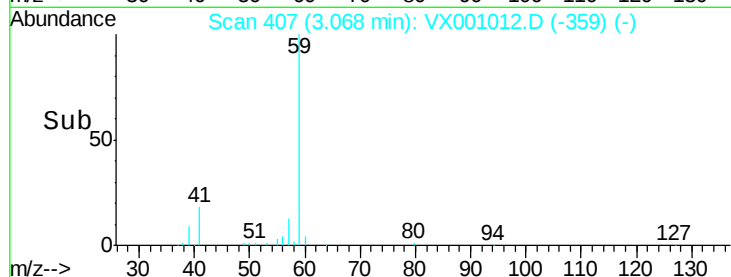
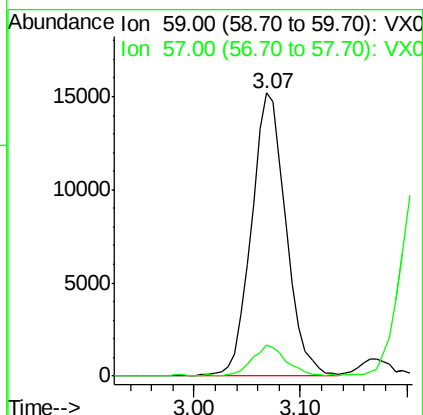
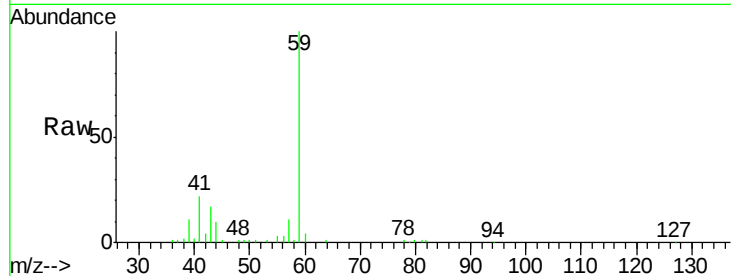




#11
Tert butyl alcohol
Concen: 91.49 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

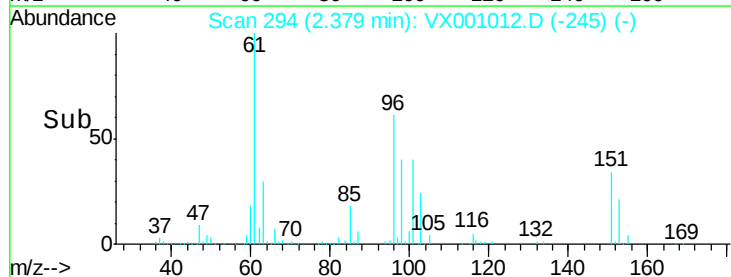
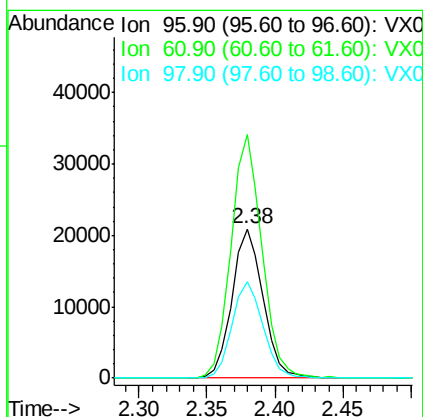
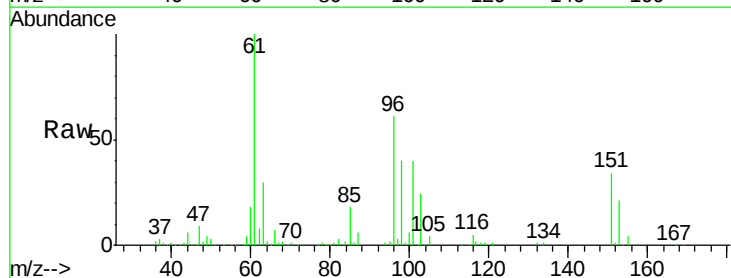
Instrument :
MSVOA_X
ClientSampled :

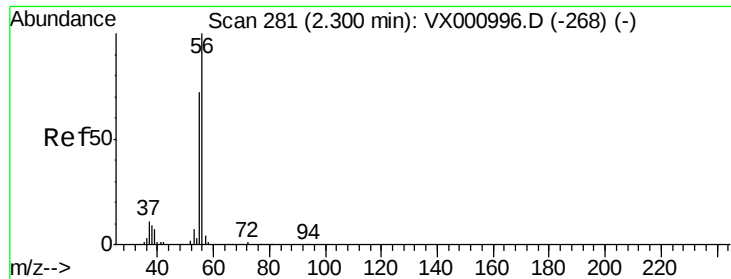
Tot Ion: 59 Resp: 34531
Ion Ratio Lower Upper
59 100
57 11.0 8.3 12.5



#12
1,1-Dichloroethene
Concen: 17.28 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

Tgt Ion: 96 Resp: 33237
Ion Ratio Lower Upper
96 100
61 163.1 126.4 189.6
98 64.5 52.6 78.8





#13

Acrolein

Concen: 125.44 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

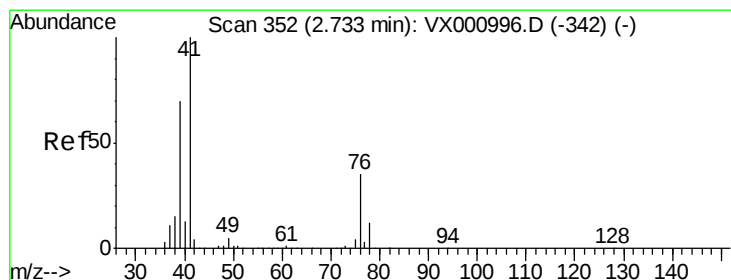
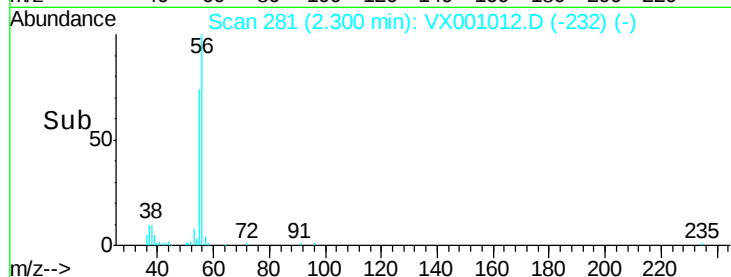
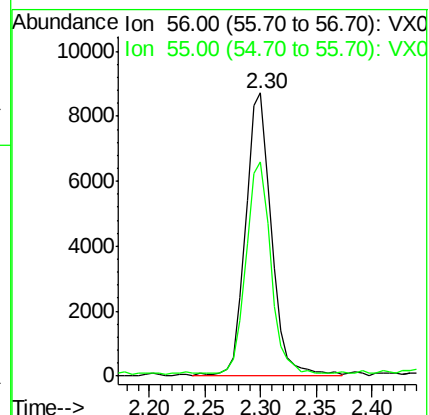
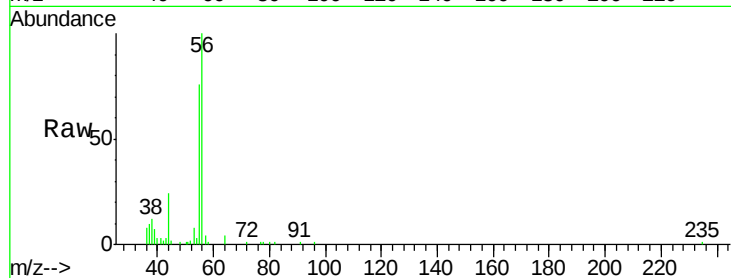
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 14080

Ion Ratio Lower Upper

56 100

55 71.2 57.4 86.2



#14

Allyl chloride

Concen: 17.22 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

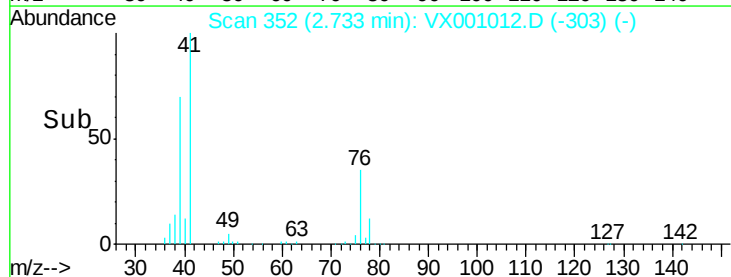
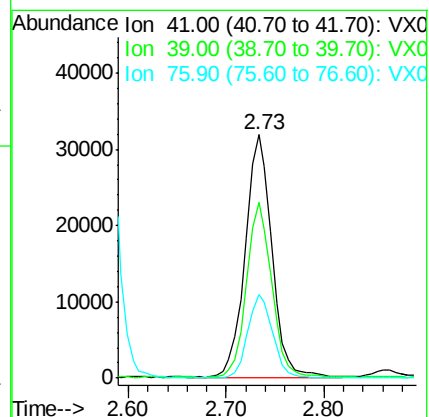
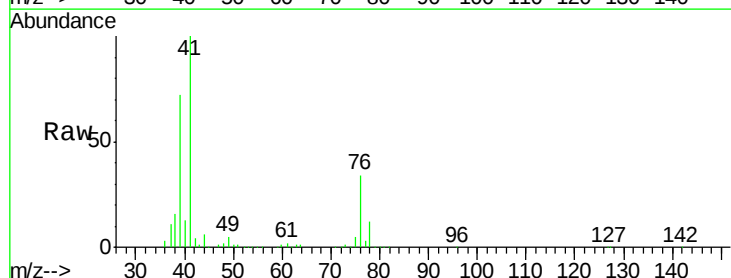
Tgt Ion: 41 Resp: 59932

Ion Ratio Lower Upper

41 100

39 68.1 53.0 79.6

76 32.1 25.9 38.9





#15

Acrylonitrile

Concen: 88.76 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :

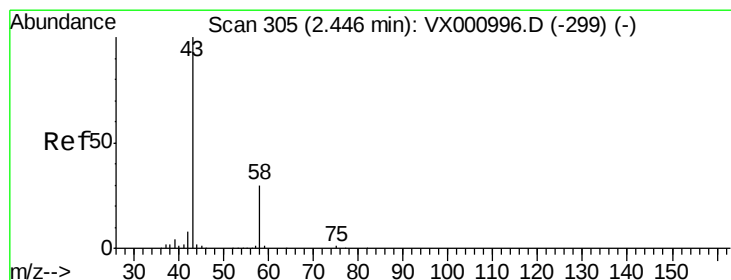
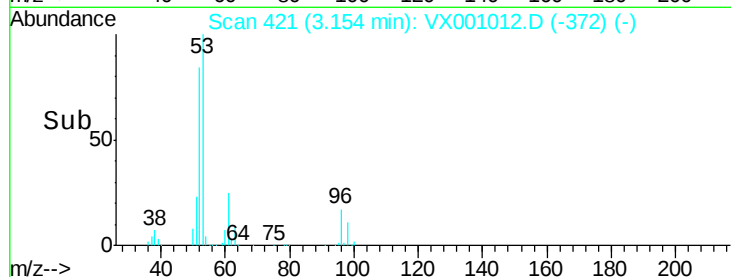
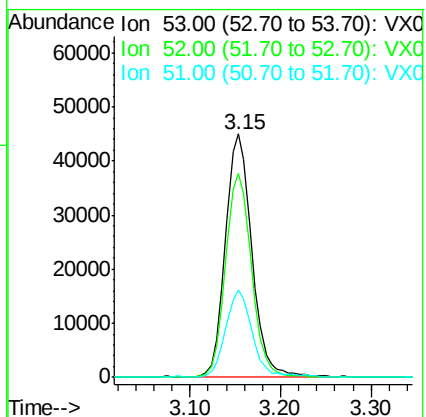
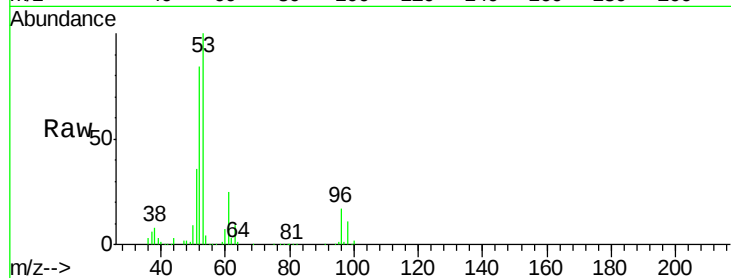
Tot Ion: 53 Resp: 90662

Ion Ratio Lower Upper

53 100

52 83.2 66.4 99.6

51 36.5 29.0 43.6



#16

Acetone

Concen: 97.61 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX001012.D

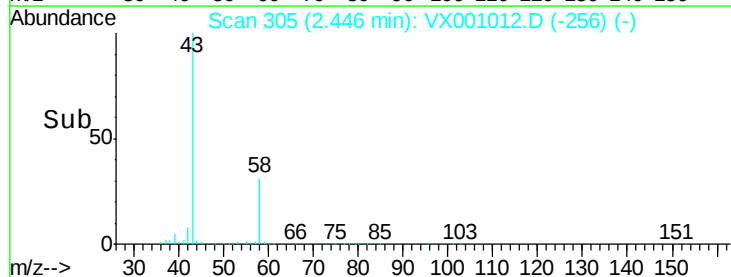
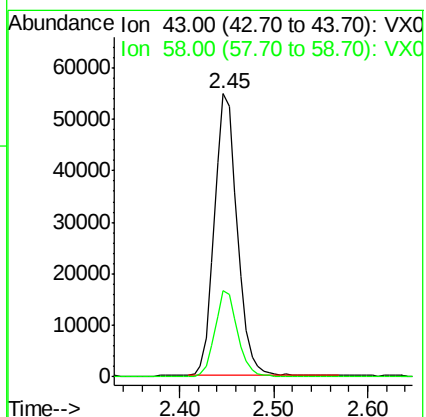
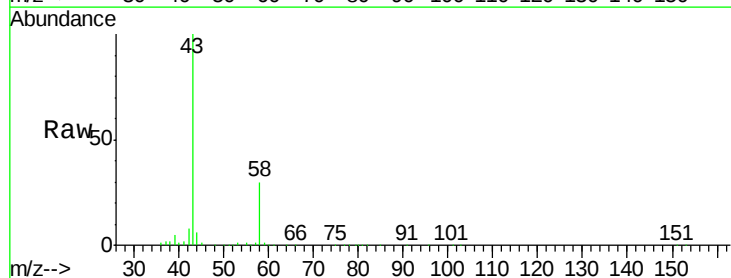
Acq: 20 Apr 2018 16:43

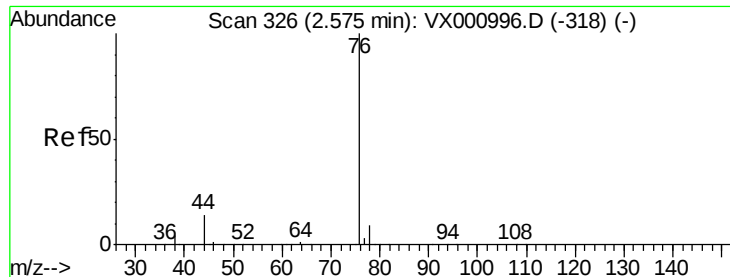
Tgt Ion: 43 Resp: 91980

Ion Ratio Lower Upper

43 100

58 30.6 23.7 35.5

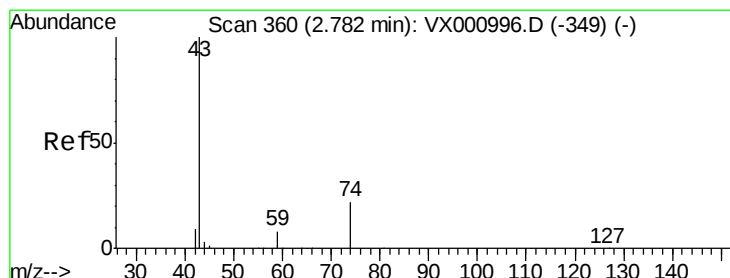
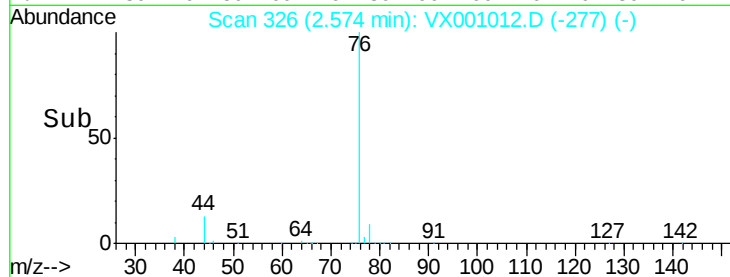
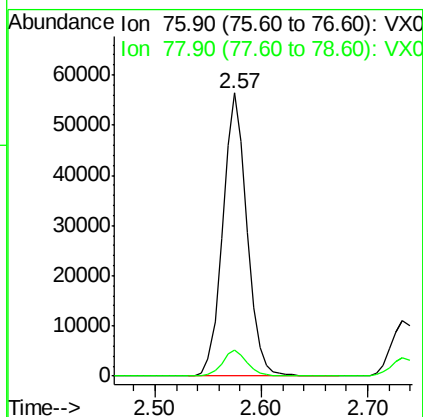
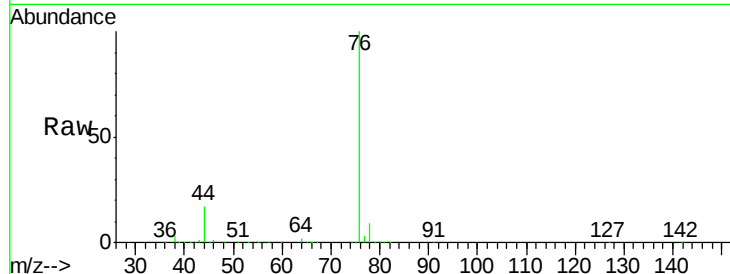




#17
Carbon Disulfide
Concen: 16.34 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

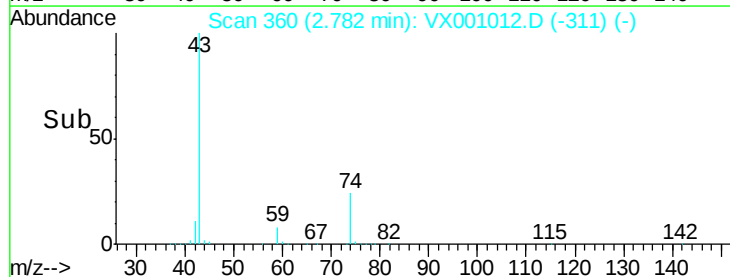
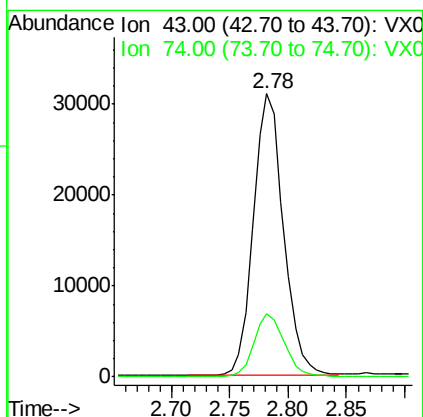
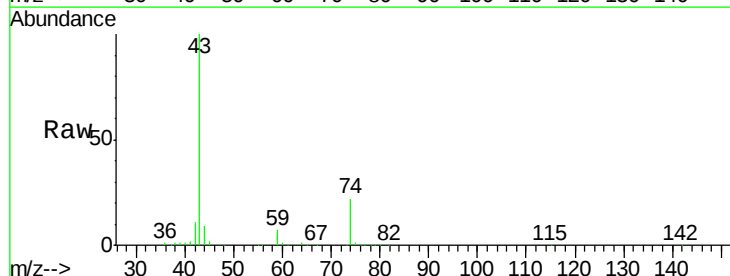
Instrument :
MSVOA_X
ClientSampleId :

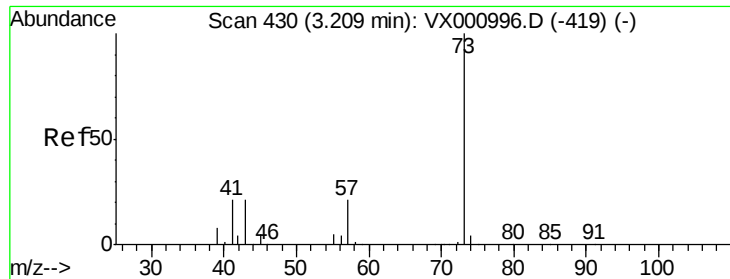
Tot Ion: 76 Resp: 89552
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 19.53 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

Tgt Ion: 43 Resp: 55686
Ion Ratio Lower Upper
43 100
74 22.9 18.3 27.5



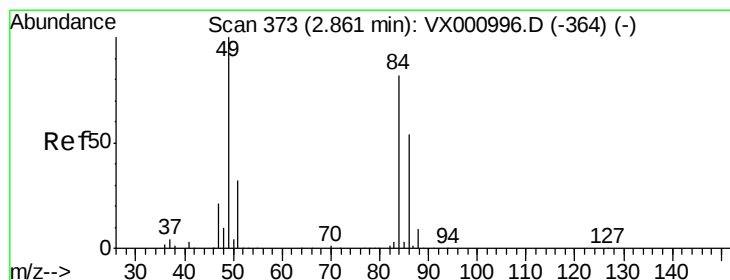
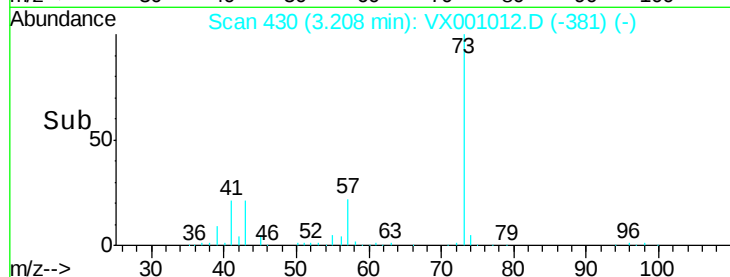
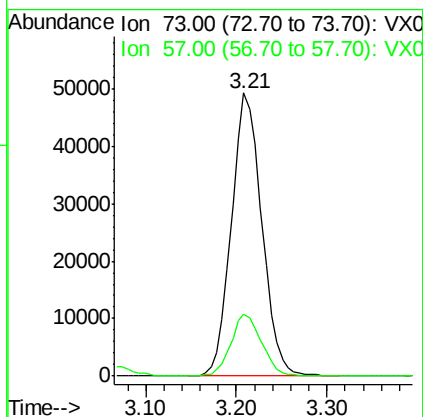
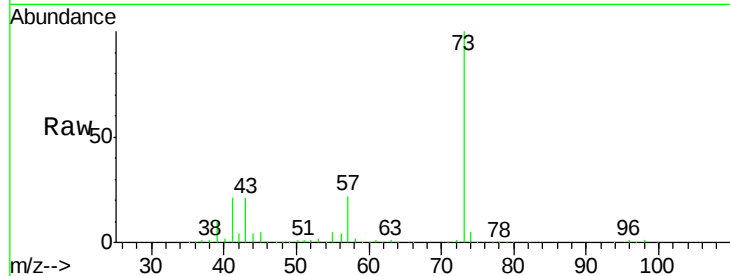


#19

Methyl tert-butyl Ether
 Concen: 17.76 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VX001012.D
 Acq: 20 Apr 2018 16:43

Instrument :
 MSVOA_X
 ClientSampled :

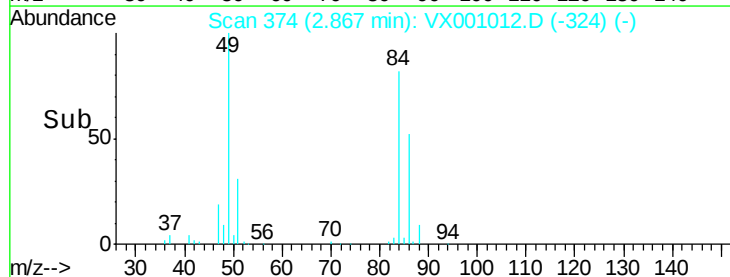
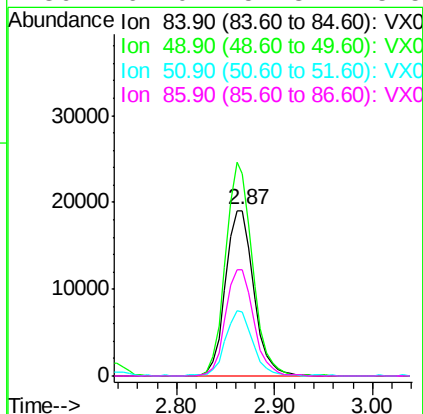
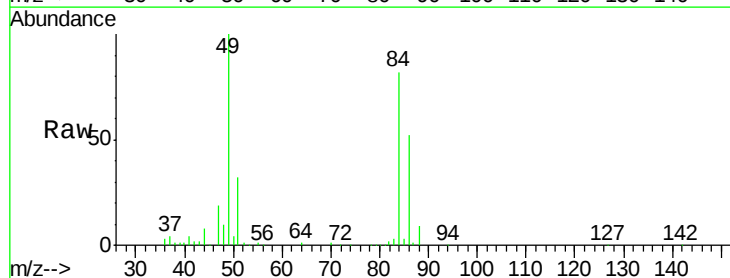
Tot Ion: 73 Resp: 114864
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.1 25.7

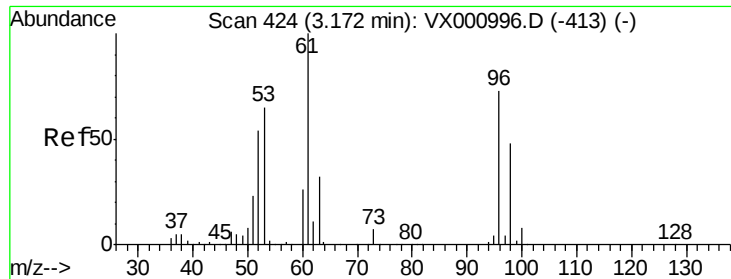


#20

Methylene Chloride
 Concen: 18.28 ug/l
 RT: 2.87 min Scan# 374
 Delta R.T. 0.01 min
 Lab File: VX001012.D
 Acq: 20 Apr 2018 16:43

Tgt Ion: 84 Resp: 38228
 Ion Ratio Lower Upper
 84 100
 49 122.2 97.1 145.7
 51 38.2 30.8 46.2
 86 64.0 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 16.96 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :

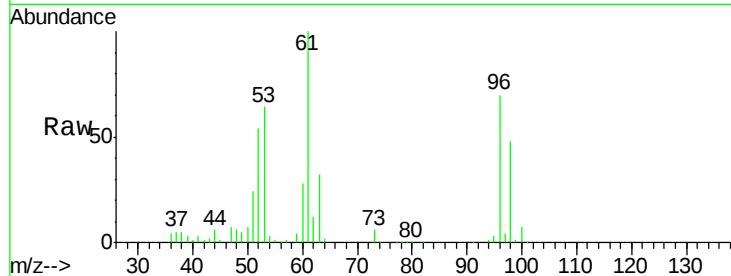
Tot Ion: 96 Resp: 36326

Ion Ratio Lower Upper

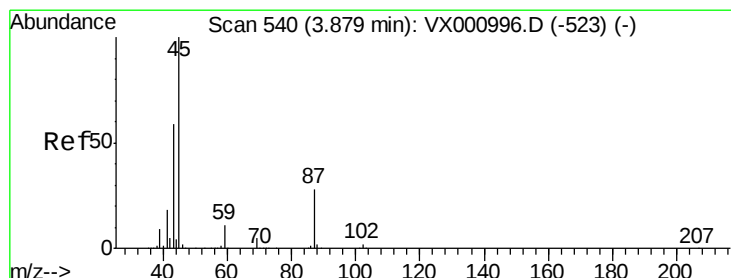
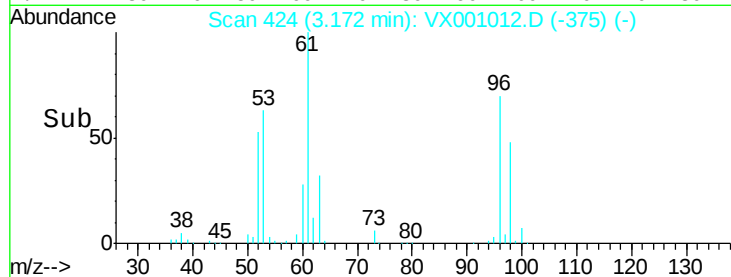
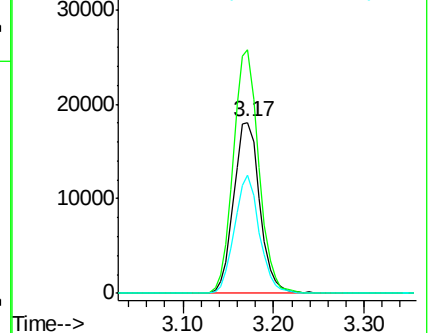
96 100

61 142.5 109.4 164.2

98 68.9 52.6 78.8



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



#22

Diisopropyl ether

Concen: 17.50 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Tgt Ion: 45 Resp: 117906

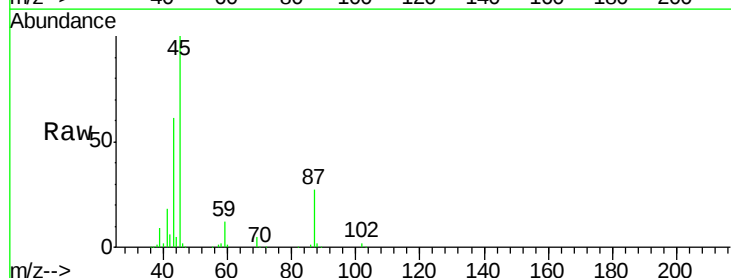
Ion Ratio Lower Upper

45 100

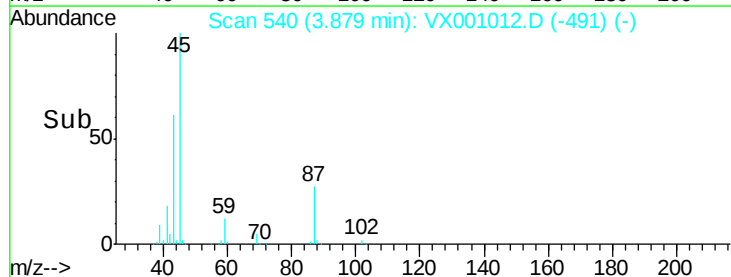
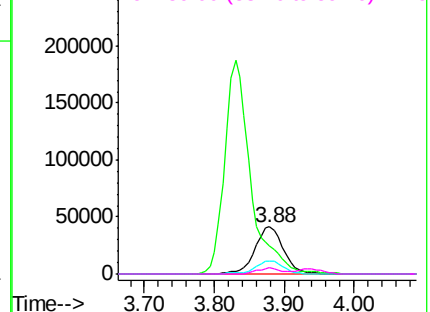
43 60.5 47.0 70.4

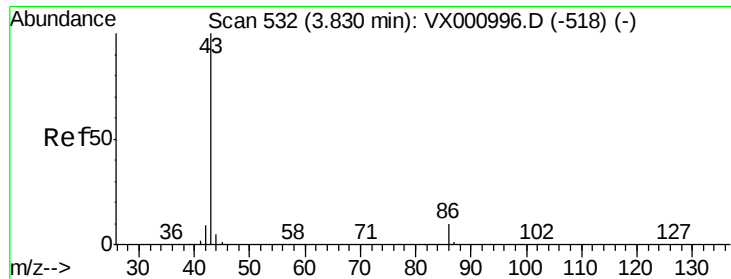
87 27.4 22.5 33.7

59 12.3 8.8 13.2



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





#23

Vinyl Acetate

Concen: 87.17 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :

MSVOA_X

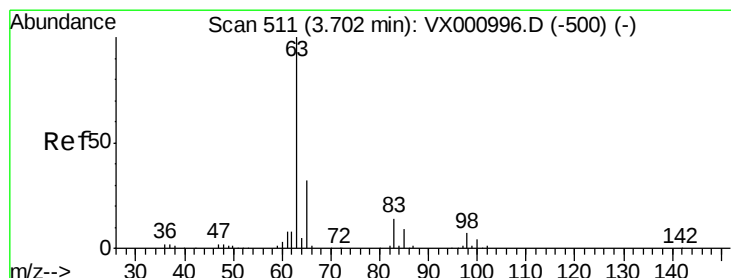
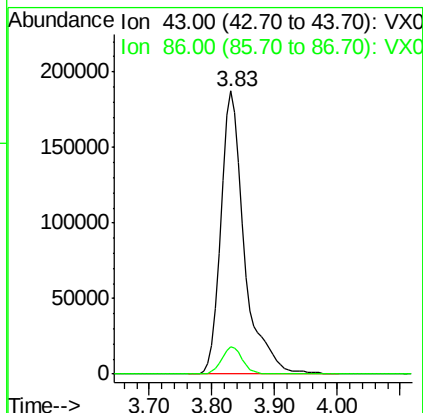
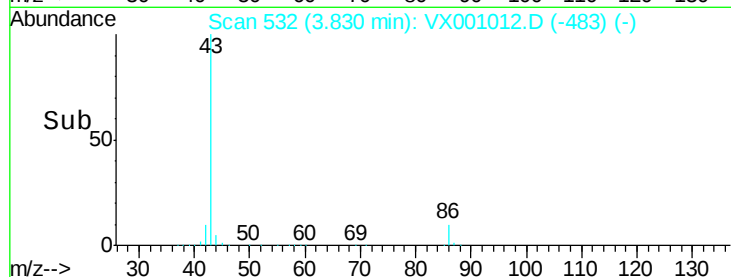
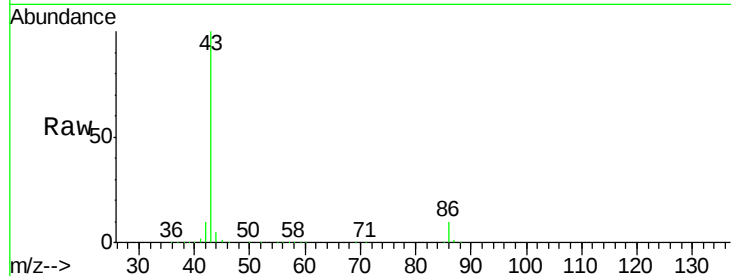
ClientSampleId :

Tot Ion: 43 Resp: 486322

Ion Ratio Lower Upper

43 100

86 9.6 8.1 12.1



#24

1,1-Dichloroethane

Concen: 17.66 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

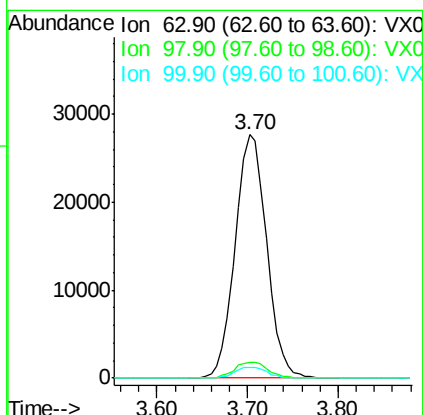
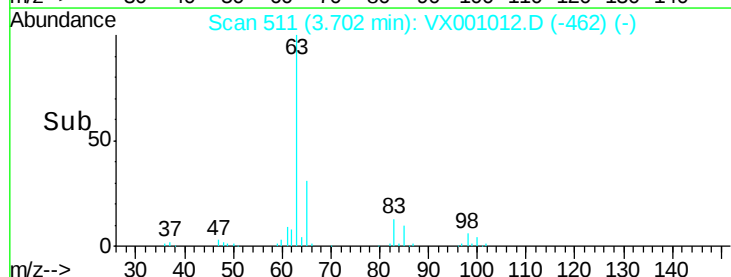
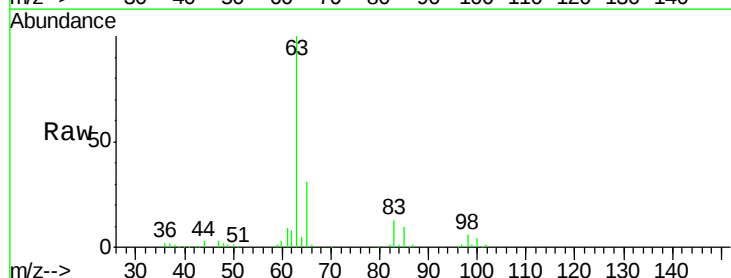
Tgt Ion: 63 Resp: 66761

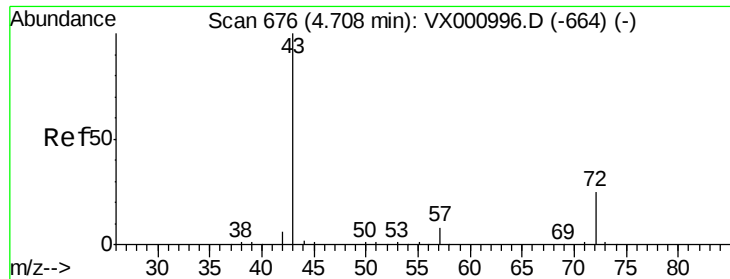
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.1

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 90.63 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :

MSVOA_X

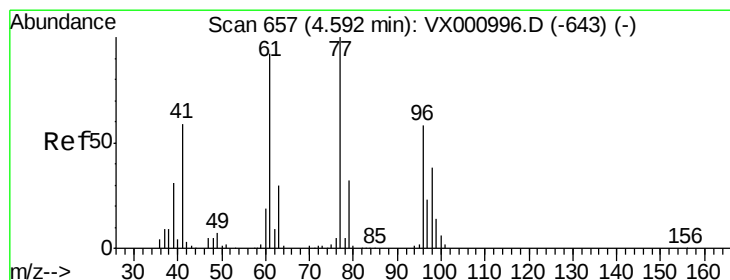
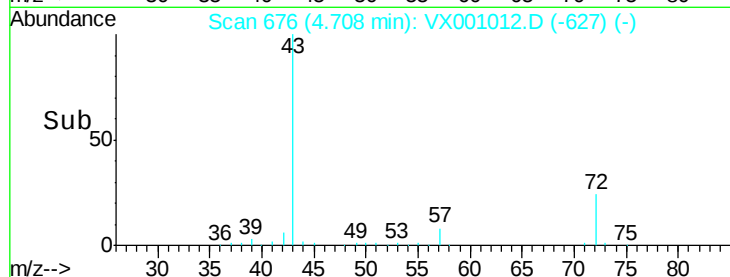
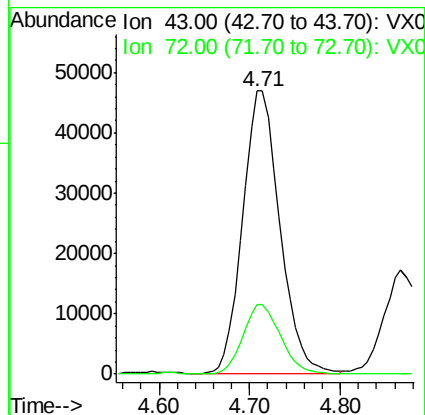
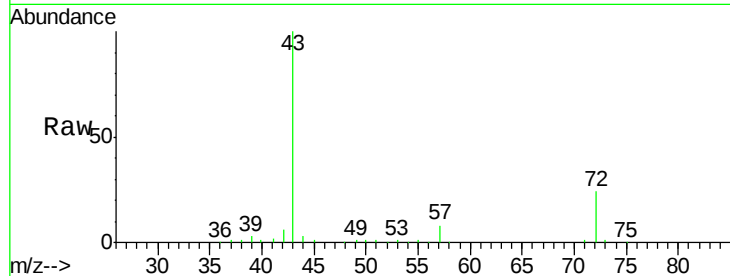
ClientSampled :

Tot Ion: 43 Resp: 133329

Ion Ratio Lower Upper

43 100

72 24.5 19.9 29.9



#26

2,2-Dichloropropane

Concen: 17.11 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX001012.D

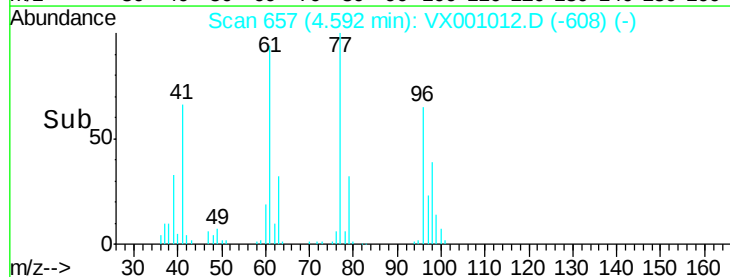
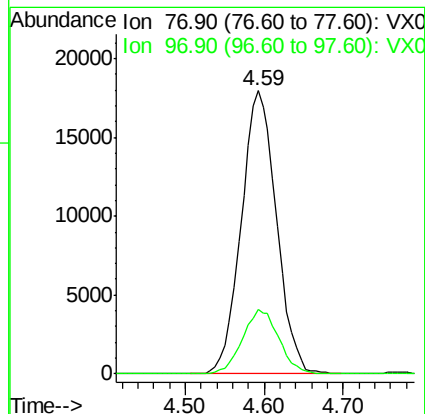
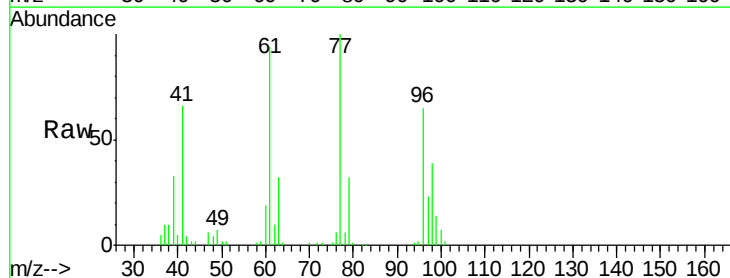
Acq: 20 Apr 2018 16:43

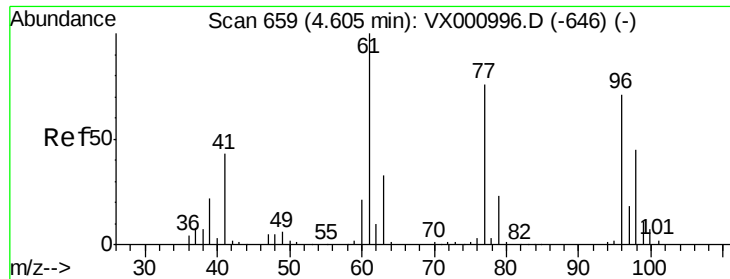
Tgt Ion: 77 Resp: 55622

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.4



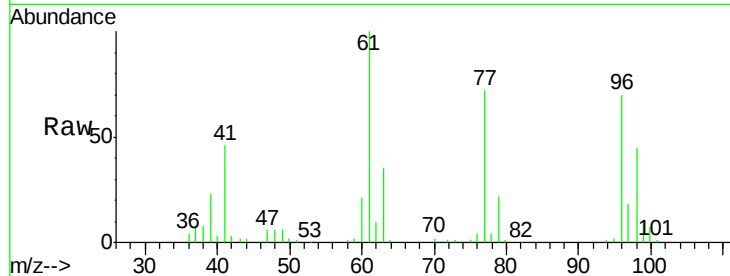


#27

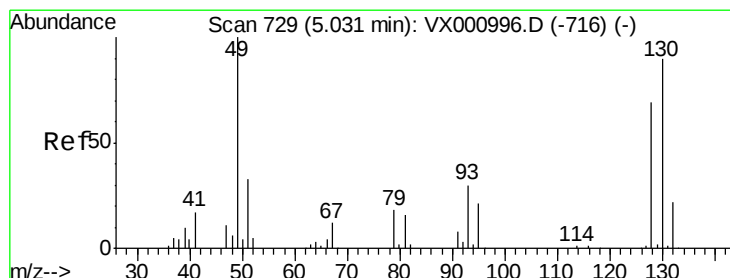
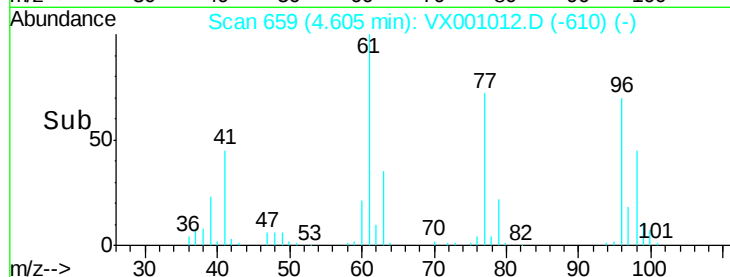
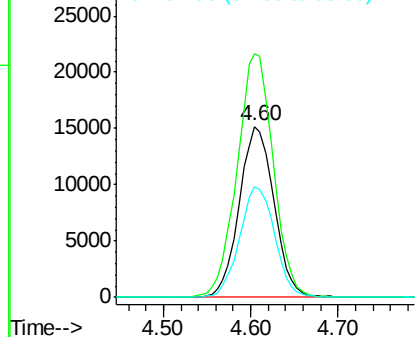
cis-1,2-Dichloroethene
Concen: 17.63 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 96 Resp: 42044
Ion Ratio Lower Upper
96 100
61 147.9 0.0 297.0
98 65.4 0.0 130.0



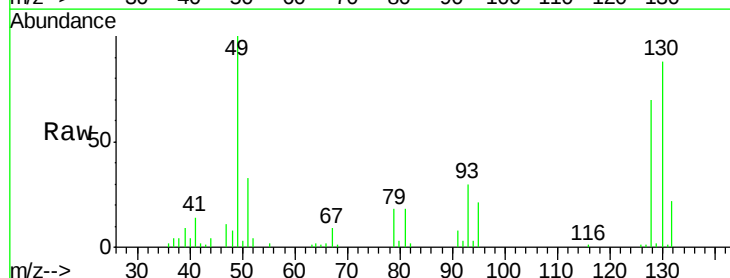
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



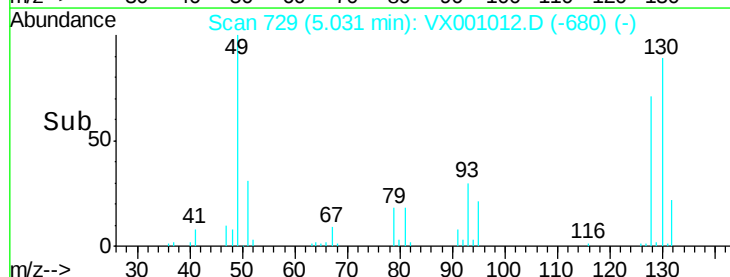
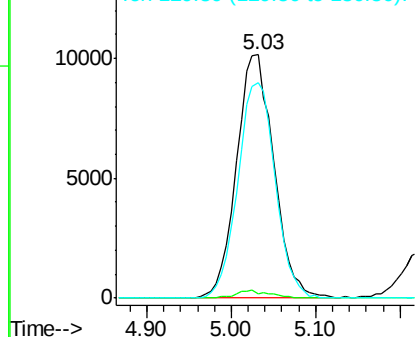
#28

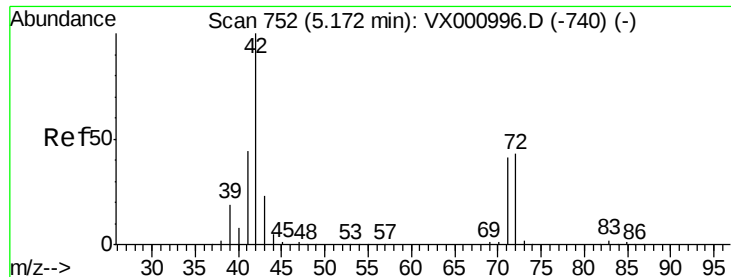
Bromochloromethane
Concen: 21.00 ug/l
RT: 5.03 min Scan# 729
Delta R.T. -0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

Tgt Ion: 49 Resp: 30524
Ion Ratio Lower Upper
49 100
129 2.7 0.0 4.8
130 88.2 70.6 105.8



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

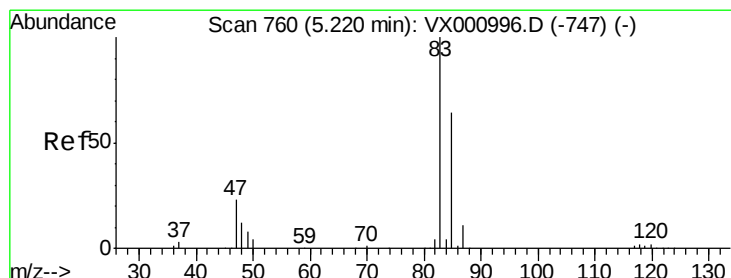
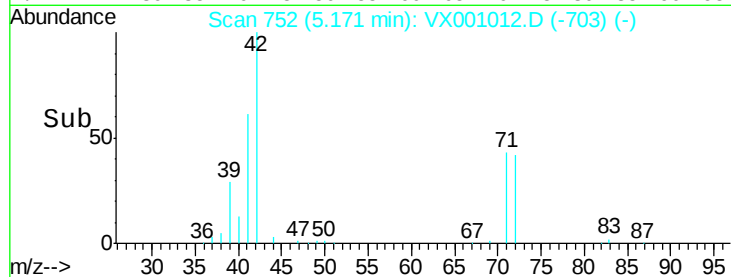
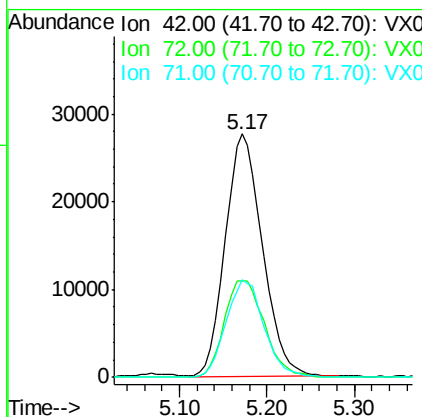
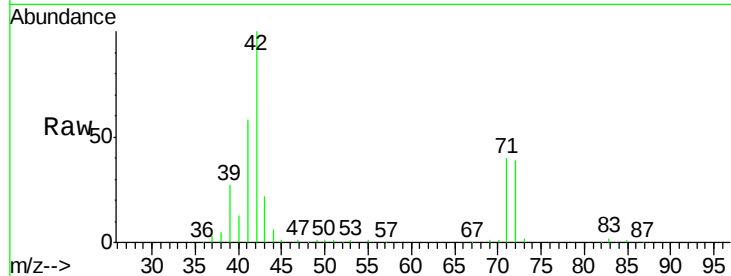




#29
Tetrahydrofuran
Concen: 88.01 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

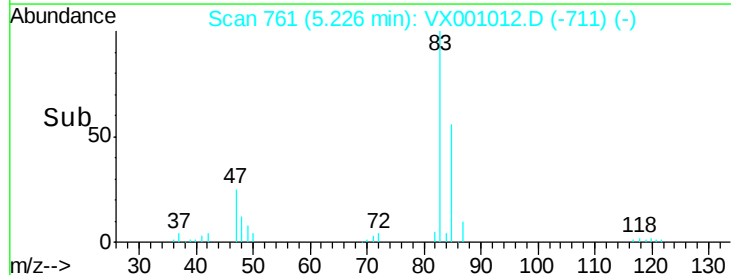
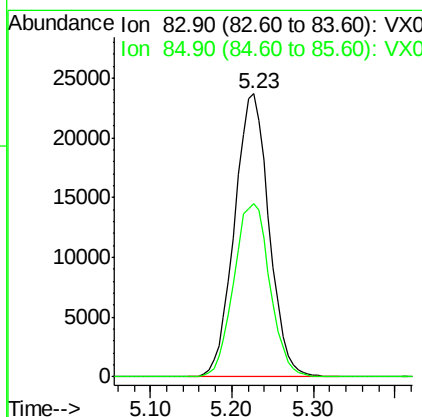
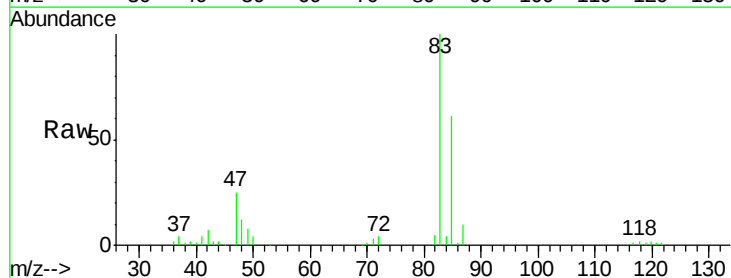
Instrument :
MSVOA_X
ClientSampleId :

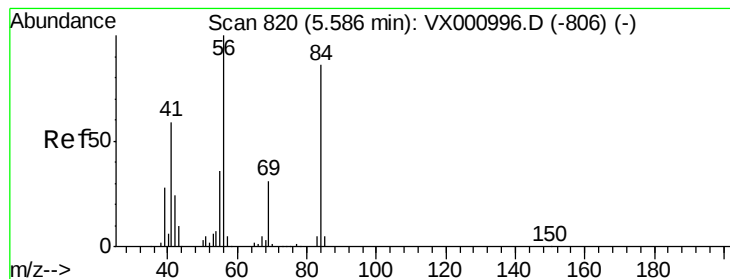
Tot Ion: 42 Resp: 81813
Ion Ratio Lower Upper
42 100
72 43.2 34.6 52.0
71 40.9 32.6 49.0



#30
Chloroform
Concen: 17.77 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

Tgt Ion: 83 Resp: 69572
Ion Ratio Lower Upper
83 100
85 61.1 51.3 76.9





#31

Cyclohexane

Concen: 16.97 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :

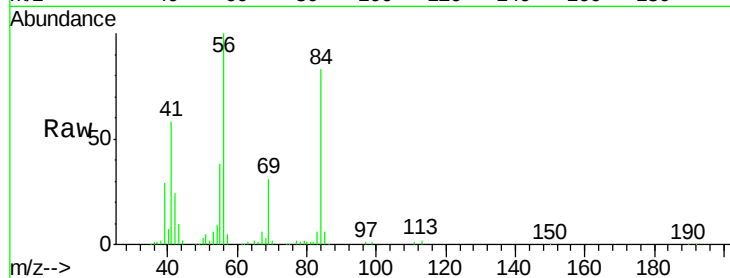
Tot Ion: 56 Resp: 59858

Ion Ratio Lower Upper

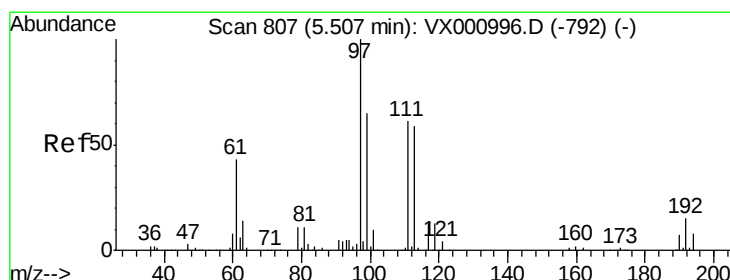
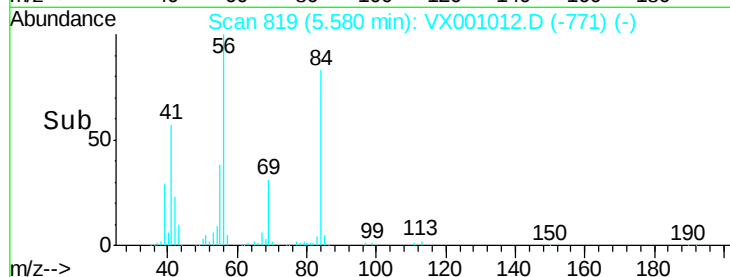
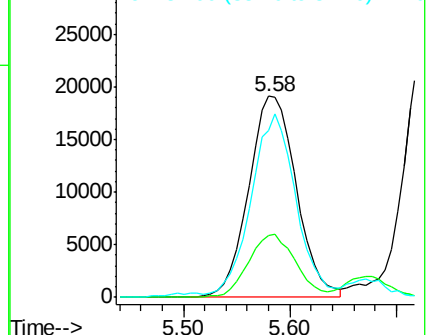
56 100

69 31.0 24.6 36.8

84 80.8 69.0 103.6



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: 17.12 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

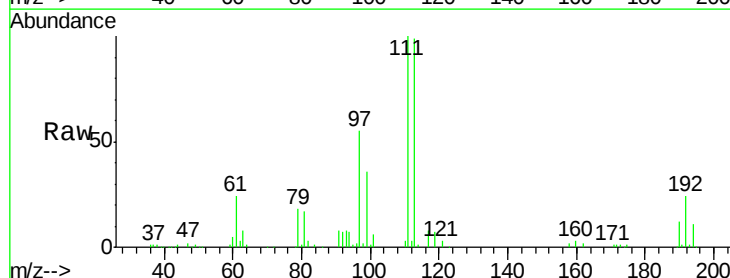
Tgt Ion: 97 Resp: 60092

Ion Ratio Lower Upper

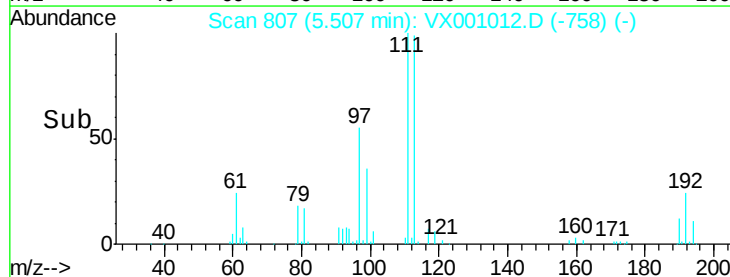
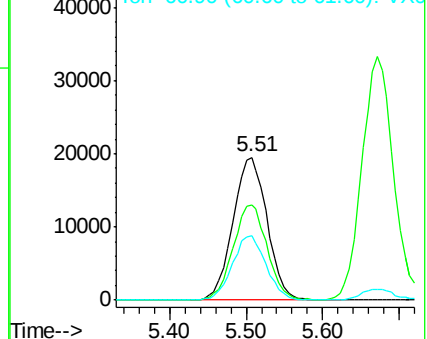
97 100

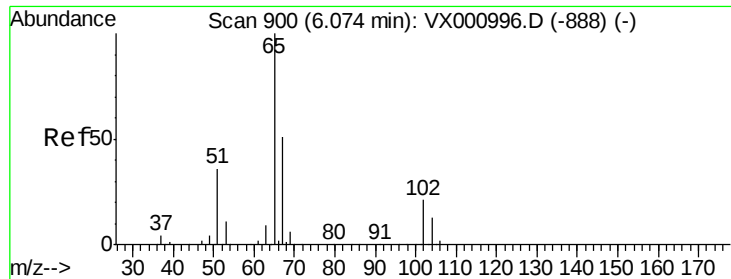
99 66.4 51.1 76.7

61 44.6 34.4 51.6



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: 50.19 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :

MSVOA_X

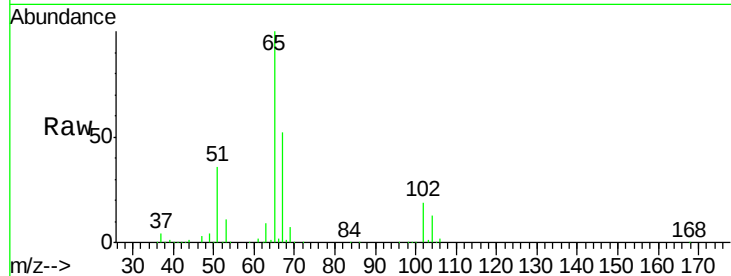
ClientSampled :

Tot Ion: 65 Resp: 125595

Ion Ratio Lower Upper

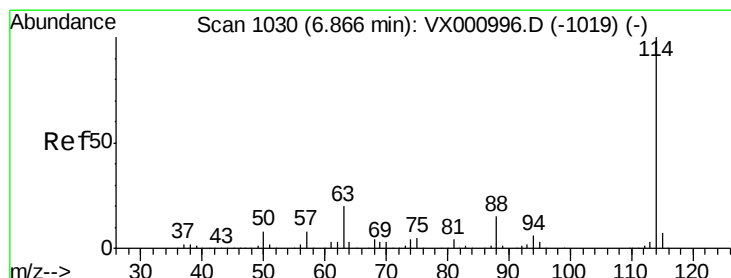
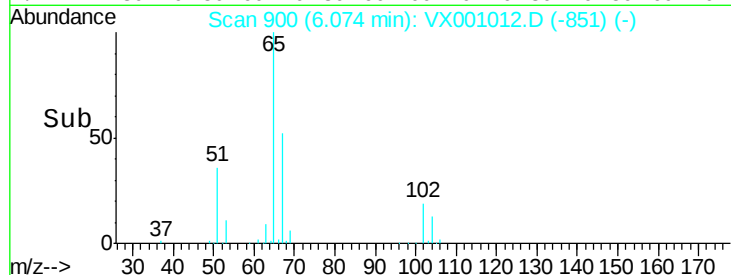
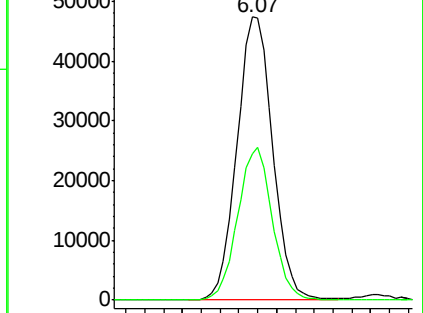
65 100

67 52.3 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

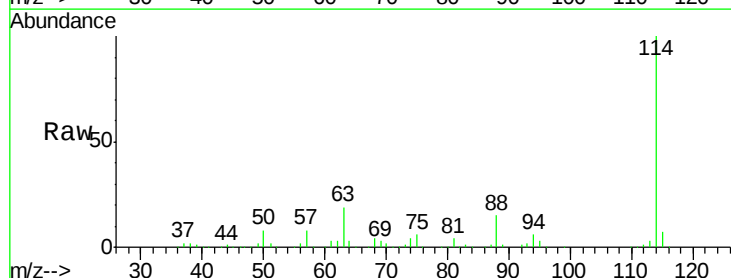
Tgt Ion: 114 Resp: 272232

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.4

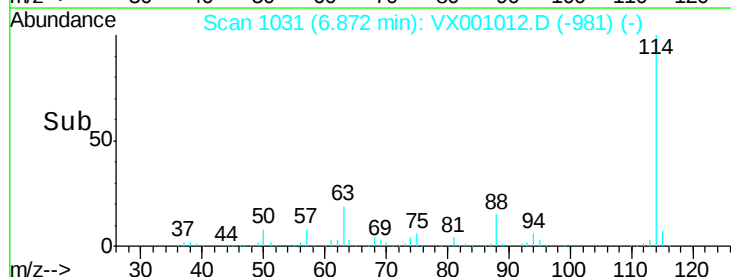
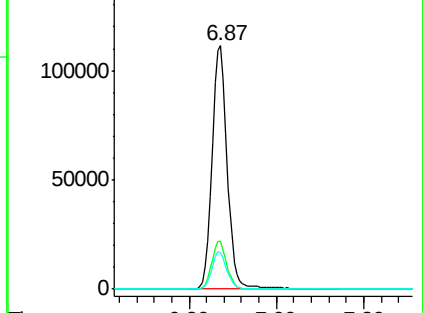
88 15.1 0.0 29.8

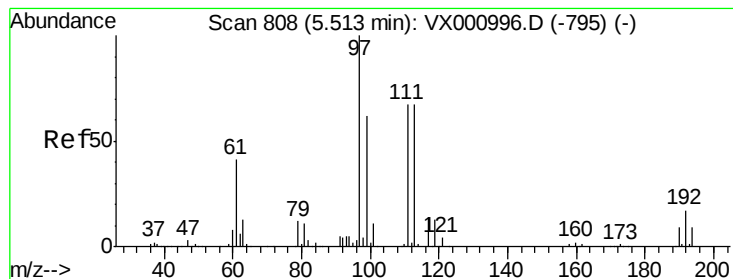


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.70 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

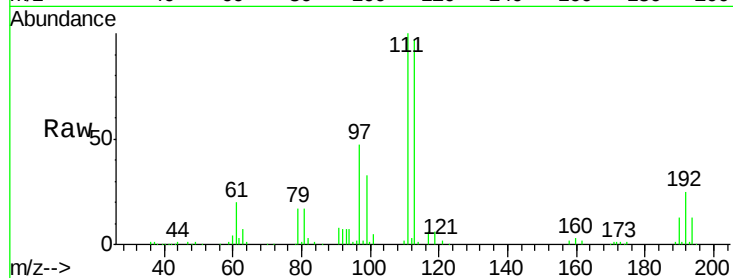
Tot Ion:113 Resp: 103177

Ion Ratio Lower Upper

113 100

111 101.1 81.4 122.2

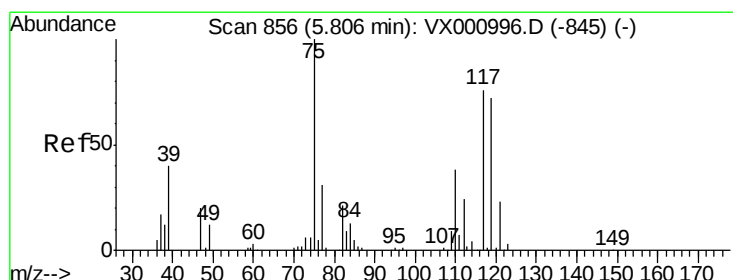
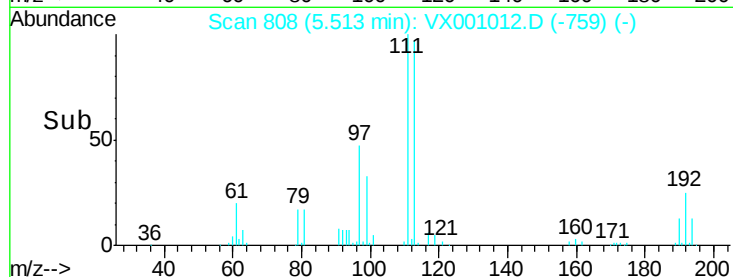
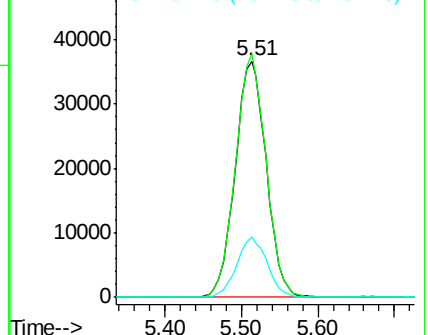
192 25.0 20.4 30.6



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: 16.77 ug/l

RT: 5.81 min Scan# 856

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

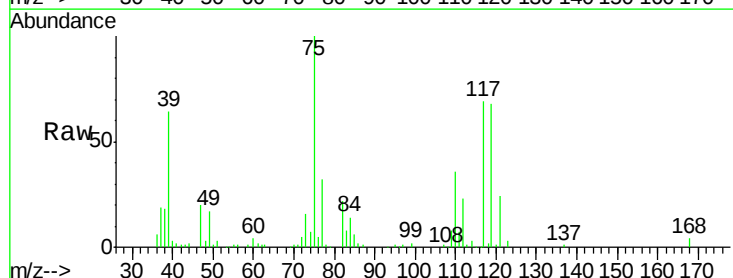
Tgt Ion: 75 Resp: 53648

Ion Ratio Lower Upper

75 100

110 36.5 18.7 56.1

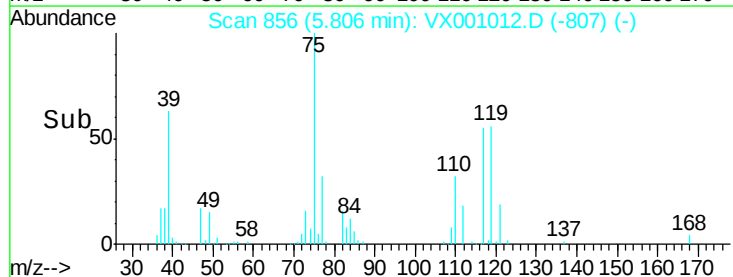
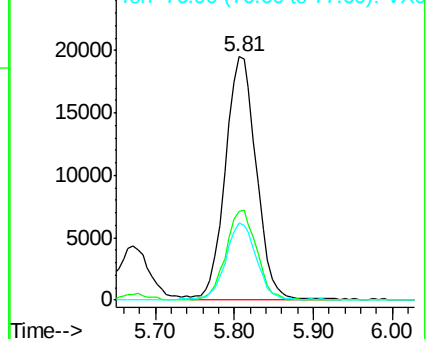
77 31.3 25.0 37.4

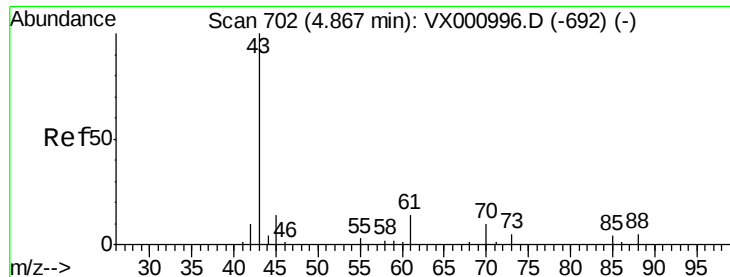


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

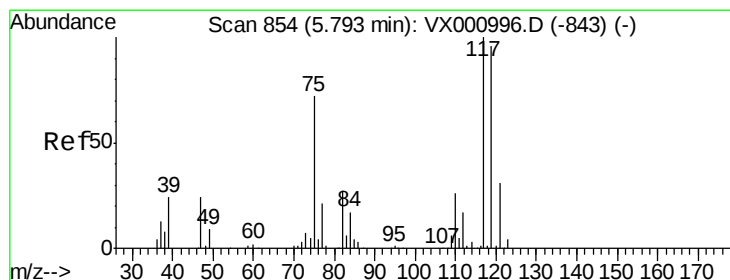
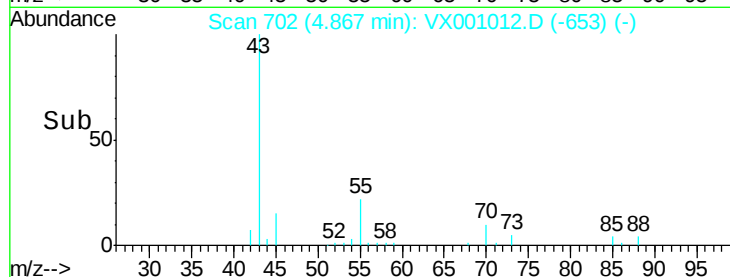
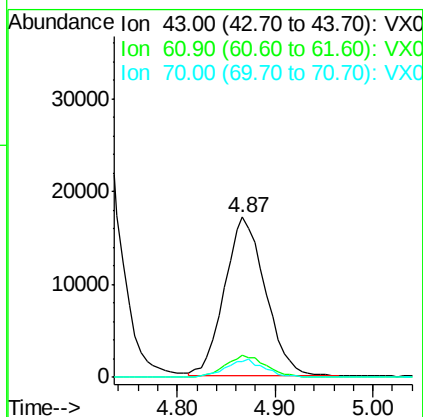
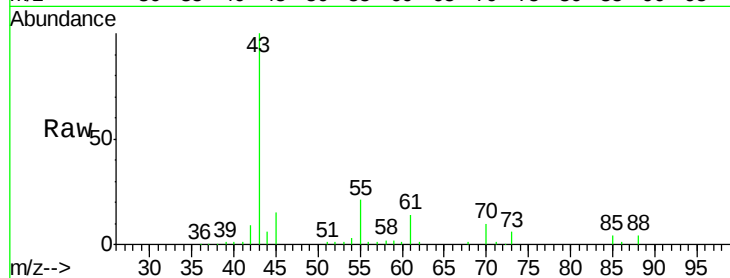




#37
Ethyl Acetate
Concen: 16.94 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

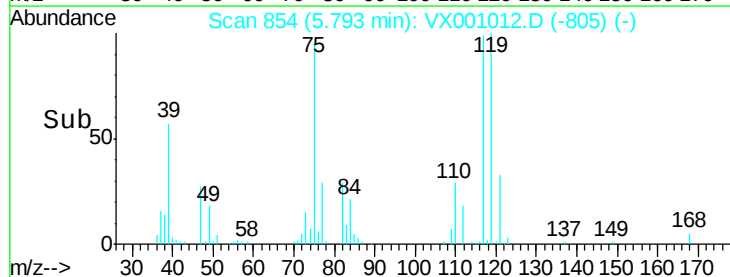
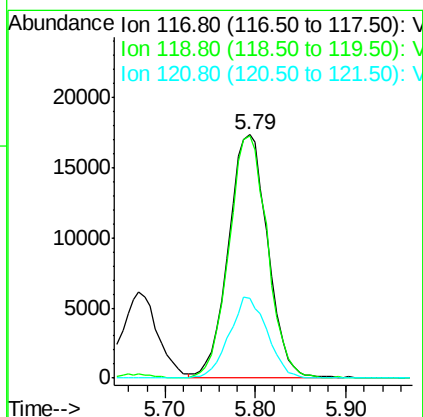
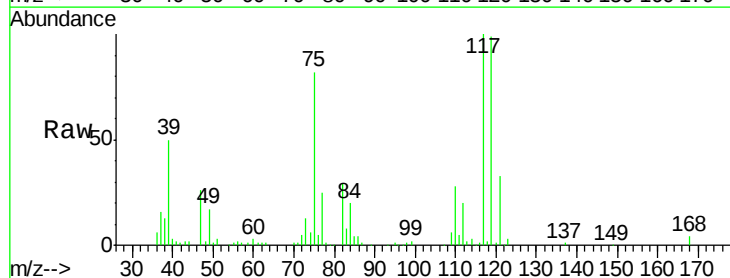
Instrument :
MSVOA_X
ClientSampleId :

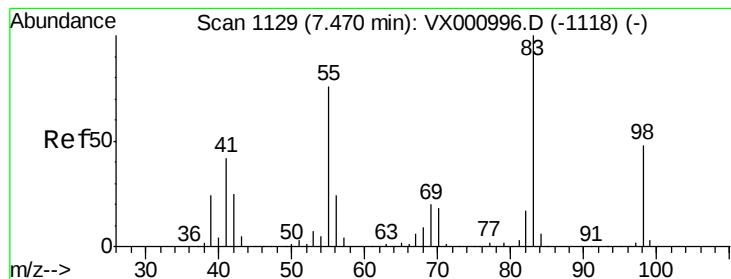
Tot Ion: 43 Resp: 49700
Ion Ratio Lower Upper
43 100
61 14.0 10.7 16.1
70 10.4 8.3 12.5



#38
Carbon Tetrachloride
Concen: 15.93 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

Tgt Ion: 117 Resp: 51596
Ion Ratio Lower Upper
117 100
119 99.5 76.5 114.7
121 32.7 24.5 36.7





#39

Methvlcvclohexane

Concen: 16.92 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :

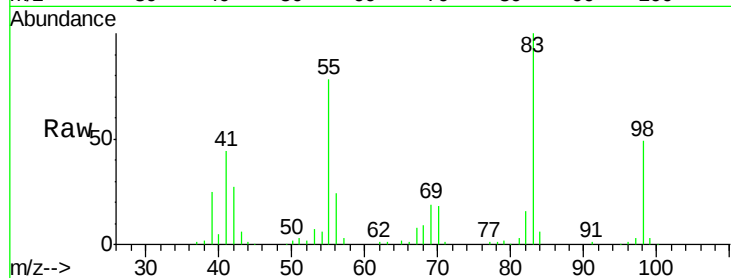
Tot Ion: 83 Resp: 62989

Ion Ratio Lower Upper

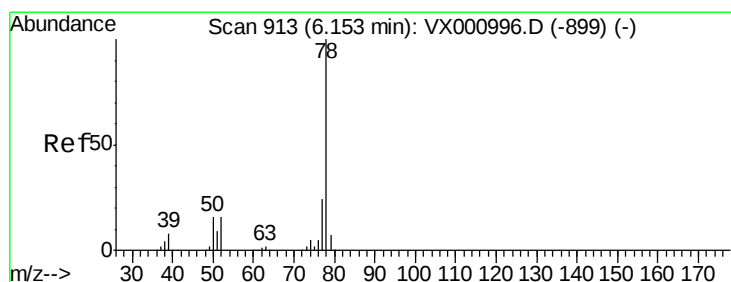
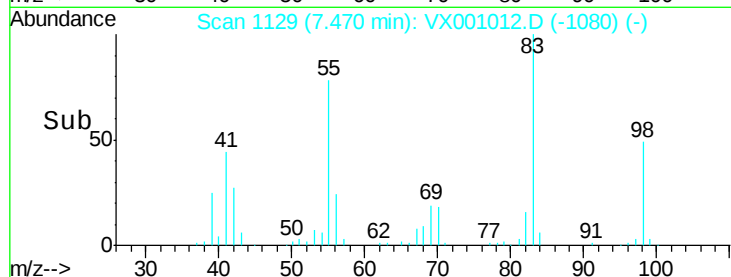
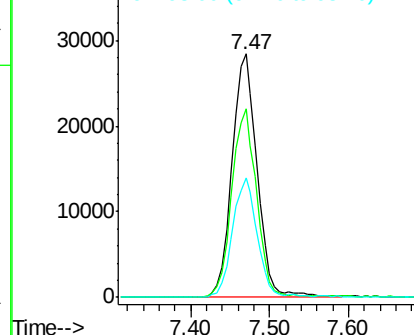
83 100

55 77.7 60.6 91.0

98 49.0 38.2 57.4



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



#40

Benzene

Concen: 16.95 ug/l

RT: 6.15 min Scan# 913

Delta R.T. -0.00 min

Lab File: VX001012.D

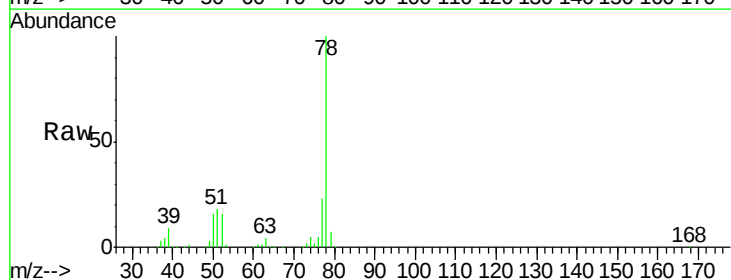
Acq: 20 Apr 2018 16:43

Tgt Ion: 78 Resp: 150725

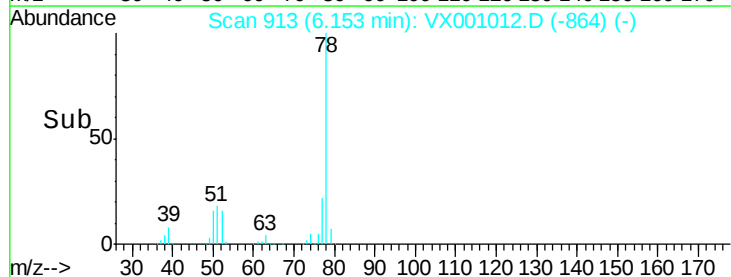
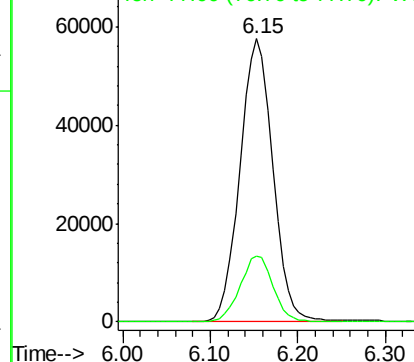
Ion Ratio Lower Upper

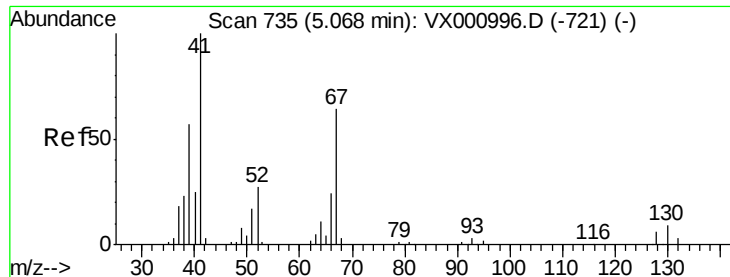
78 100

77 23.1 18.9 28.3



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

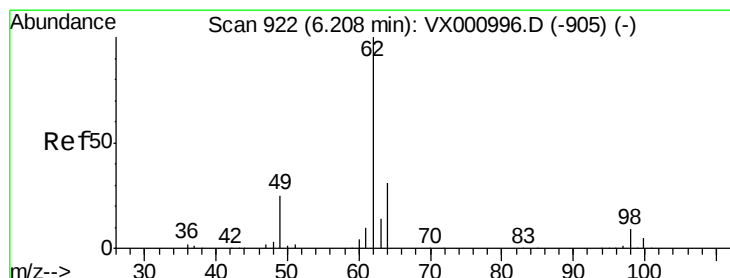
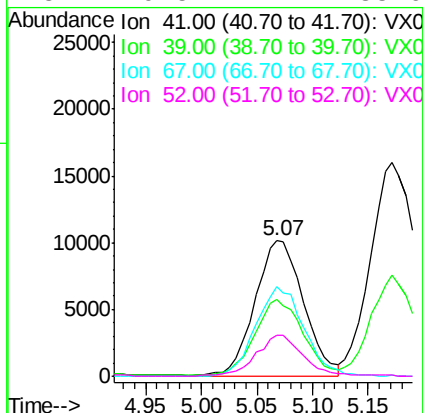
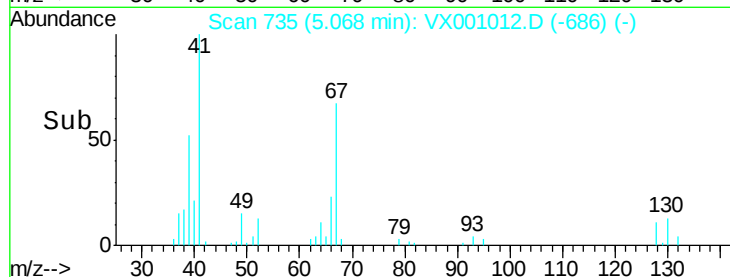
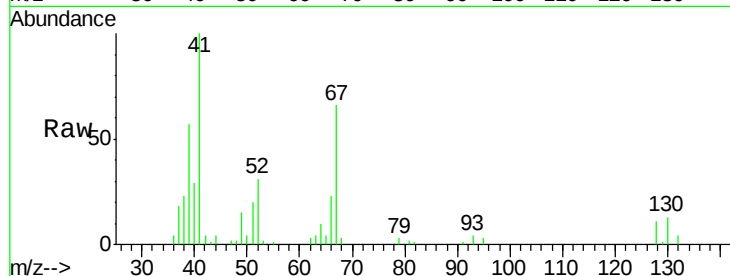




#41
Methacrylonitrile
Concen: 16.87 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

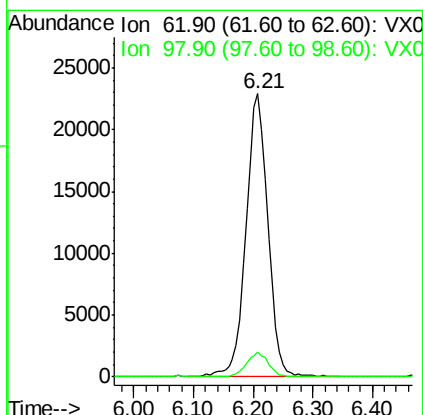
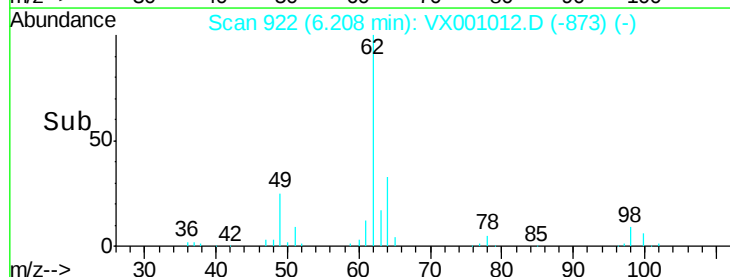
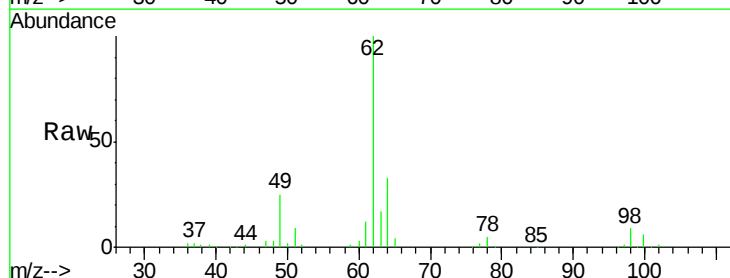
Instrument :
MSVOA_X
ClientSampled :

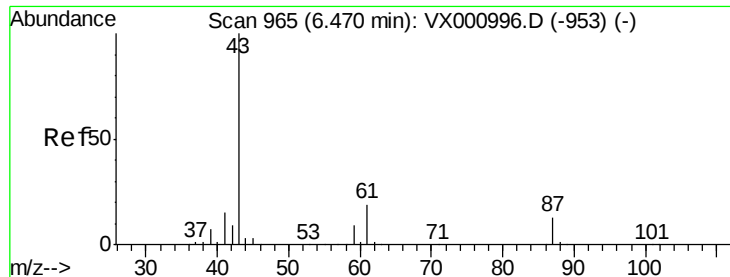
Tot Ion:	41	Resp:	30913
Ion	Ratio	Lower	Upper
41	100		
39	55.4	45.2	67.8
67	65.5	53.8	80.8
52	29.5	22.4	33.6



#42
1,2-Dichloroethane
Concen: 17.24 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

Tgt Ion:	62	Resp:	58861
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.6



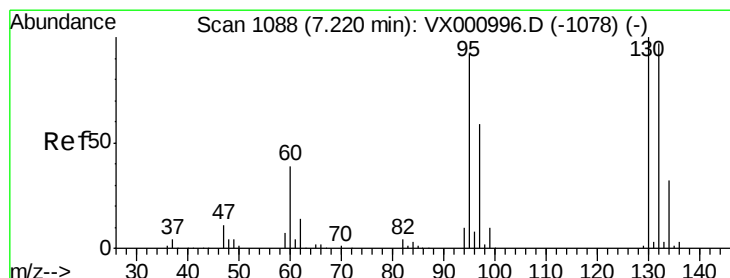
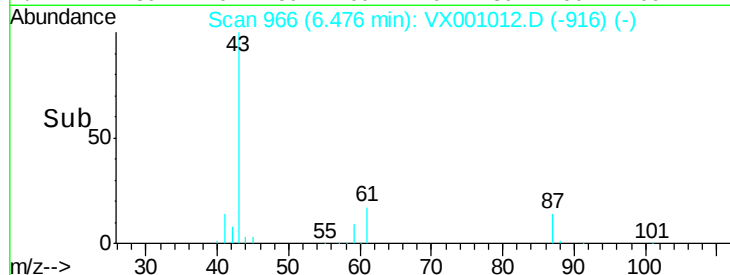
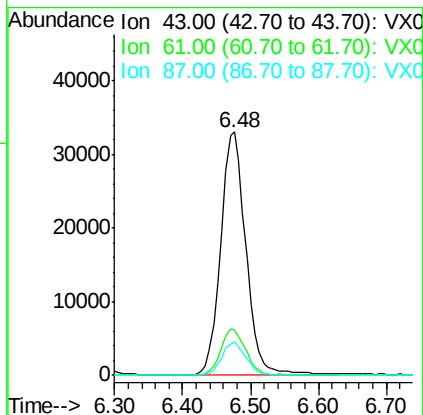
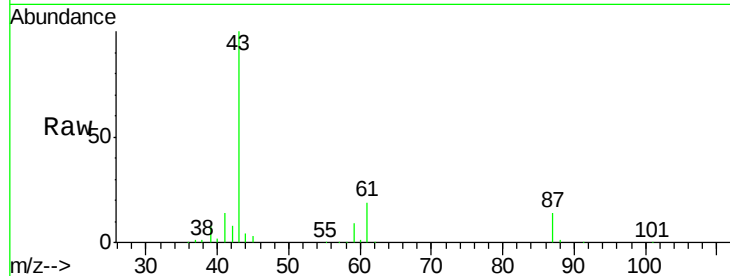


#43

Isopropyl Acetate
 Concen: 16.80 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VX001012.D
 Acq: 20 Apr 2018 16:43

Instrument :
 MSVOA_X
 ClientSampleId :

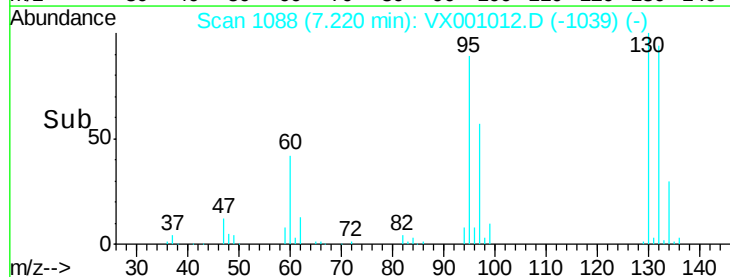
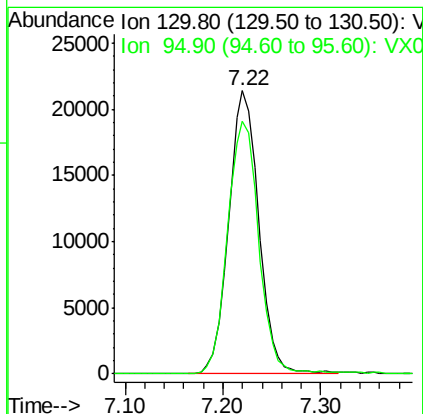
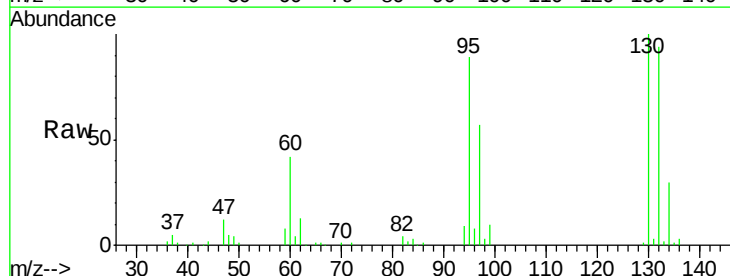
Tot Ion: 43 Resp: 84576
 Ion Ratio Lower Upper
 43 100
 61 18.7 15.4 23.2
 87 13.2 10.6 15.8

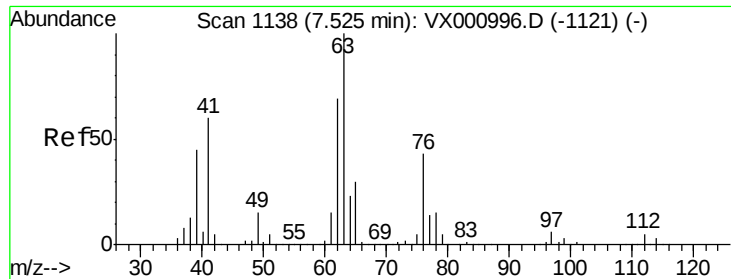


#44

Trichloroethene
 Concen: 16.87 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001012.D
 Acq: 20 Apr 2018 16:43

Tgt Ion:130 Resp: 45837
 Ion Ratio Lower Upper
 130 100
 95 89.1 0.0 184.2





#45

1,2-Dichloropropane

Concen: 17.31 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :

MSVOA_X

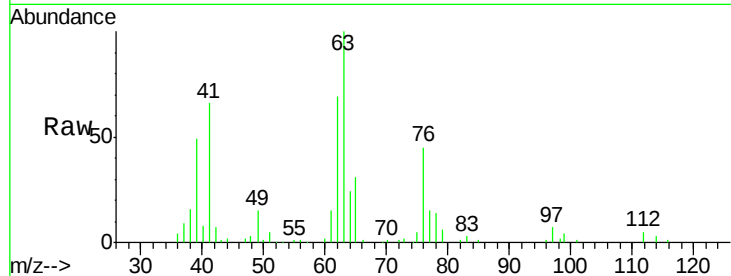
ClientSampleId :

Tot Ion: 63 Resp: 38716

Ion Ratio Lower Upper

63 100

65 30.9 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

20000

15000

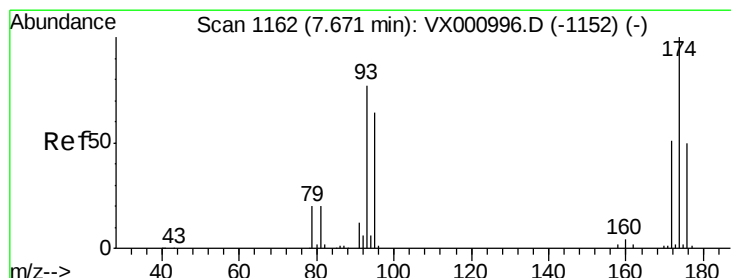
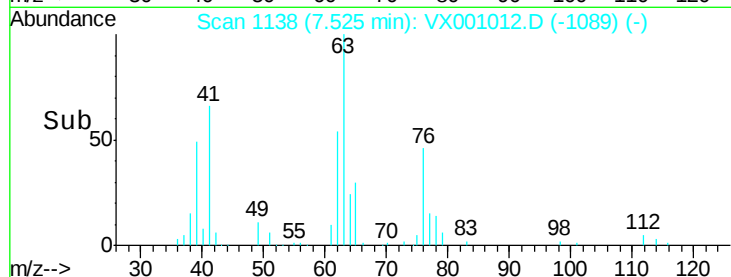
10000

5000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 16.87 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

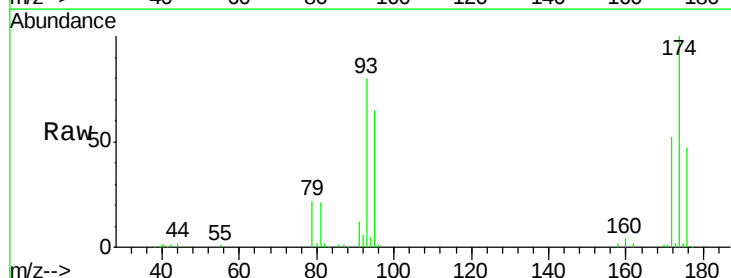
Tgt Ion: 93 Resp: 26363

Ion Ratio Lower Upper

93 100

95 82.1 66.7 100.1

174 128.7 101.8 152.6



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

20000

15000

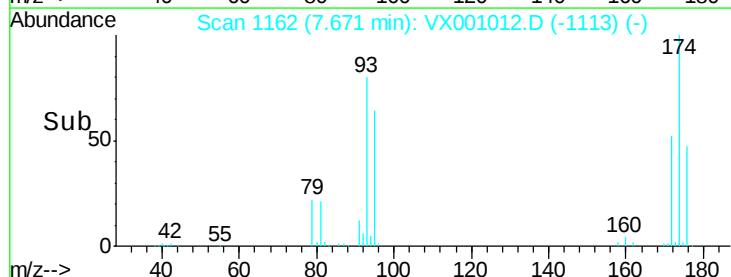
10000

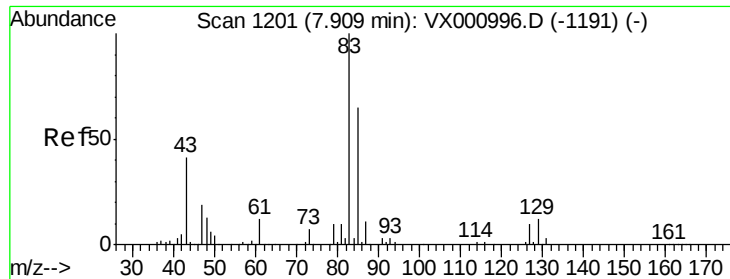
5000

0

7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 16.54 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

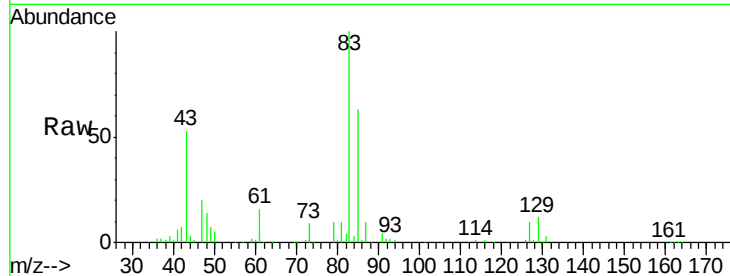
Tot Ion: 83 Resp: 47889

Ion Ratio Lower Upper

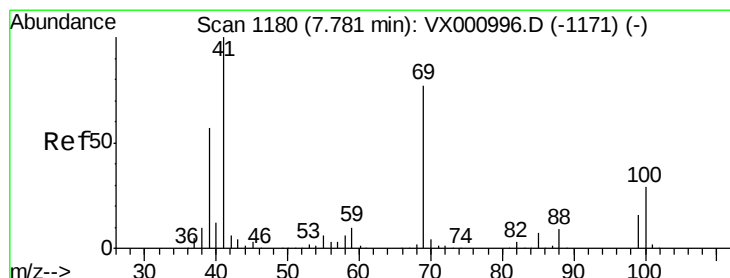
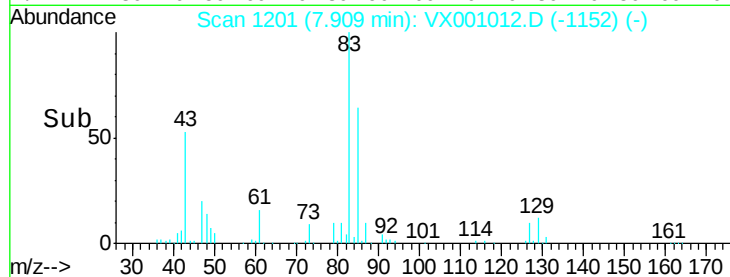
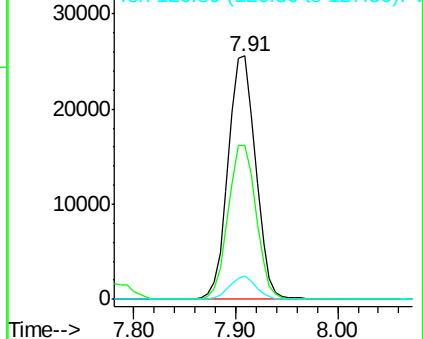
83 100

85 63.3 52.3 78.5

127 9.7 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 17.08 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

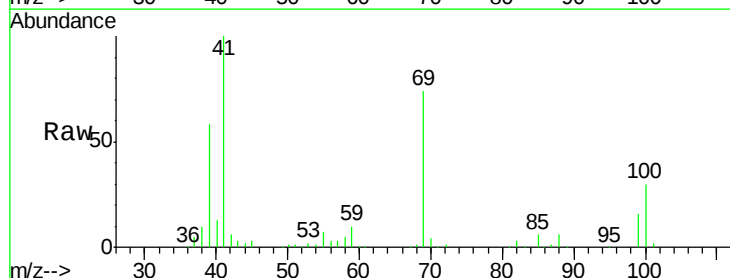
Tgt Ion: 41 Resp: 46294

Ion Ratio Lower Upper

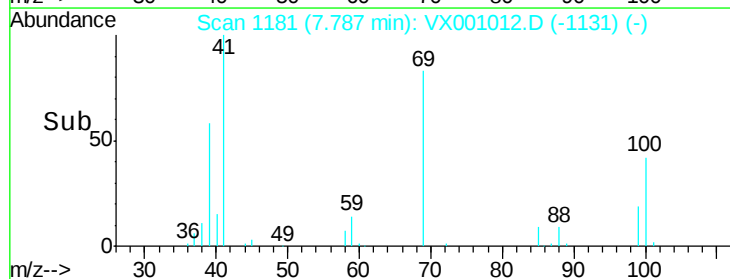
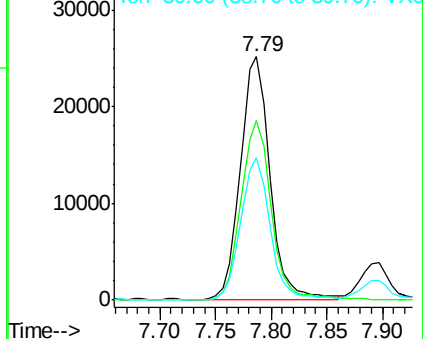
41 100

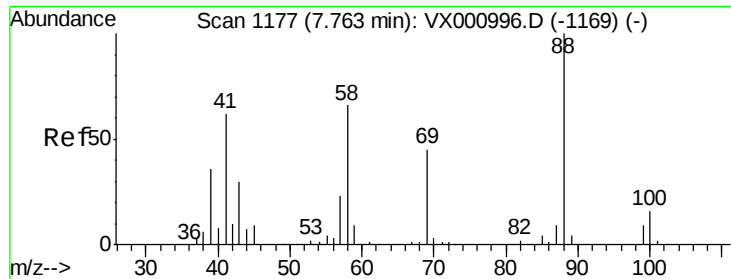
69 76.4 62.6 94.0

39 58.9 45.3 67.9



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

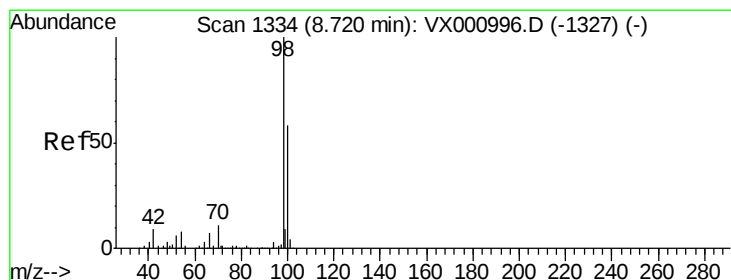
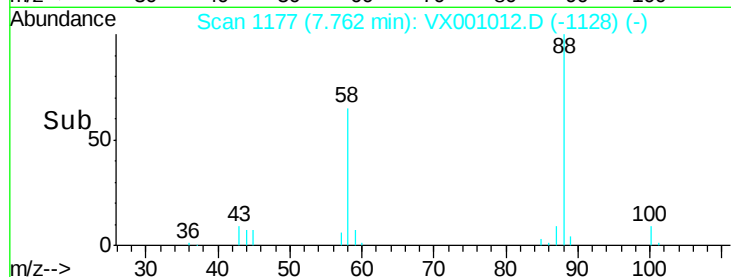
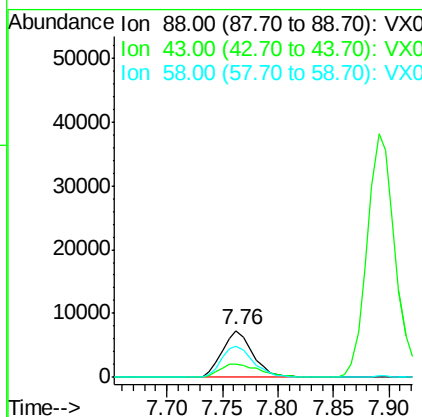
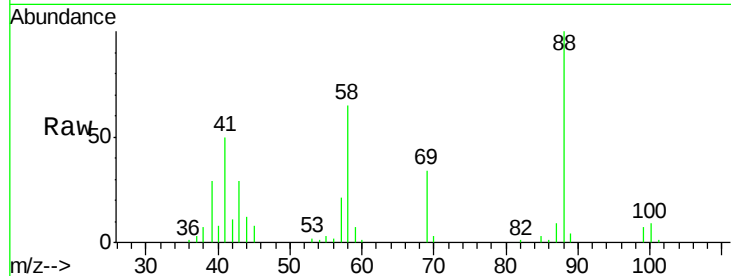




#49
1,4-Dioxane
Concen: 347.21 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

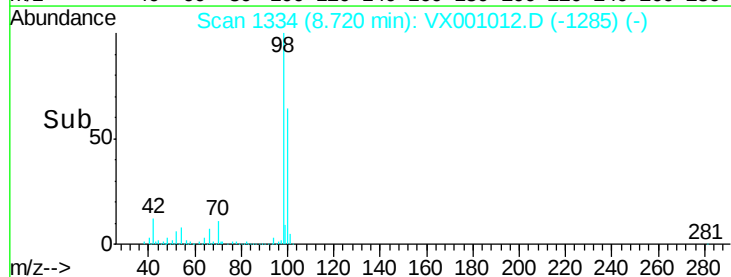
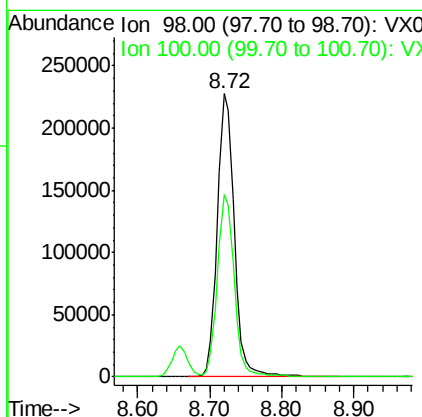
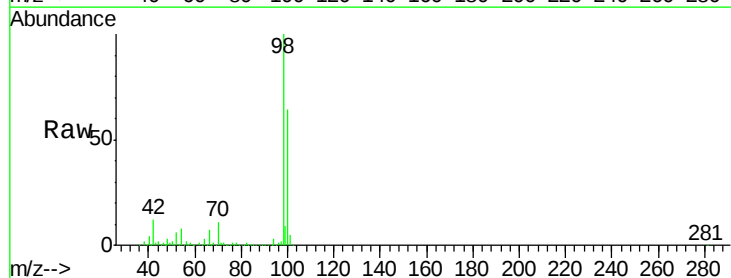
Instrument :
MSVOA_X
ClientSampleId :

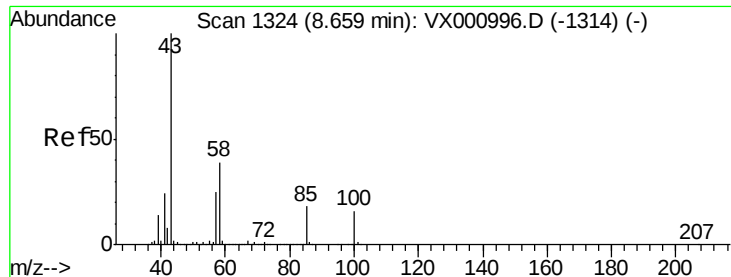
Tot Ion: 88 Resp: 13841
Ion Ratio Lower Upper
88 100
43 39.9 29.2 43.8
58 70.6 55.0 82.6



#50
Toluene-d8
Concen: 48.38 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

Tgt Ion: 98 Resp: 371344
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9

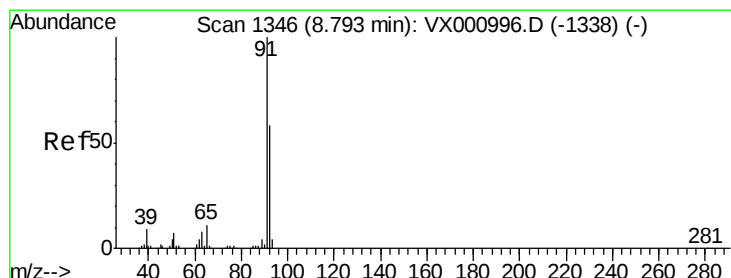
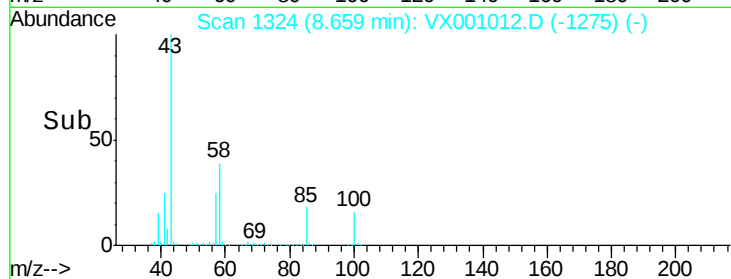
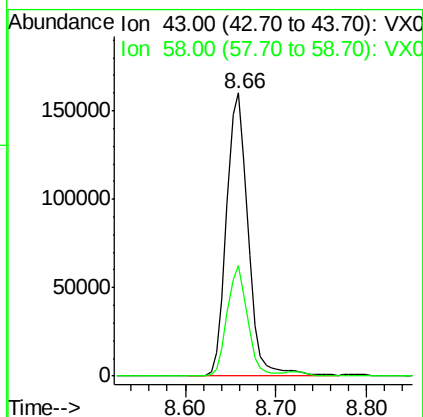
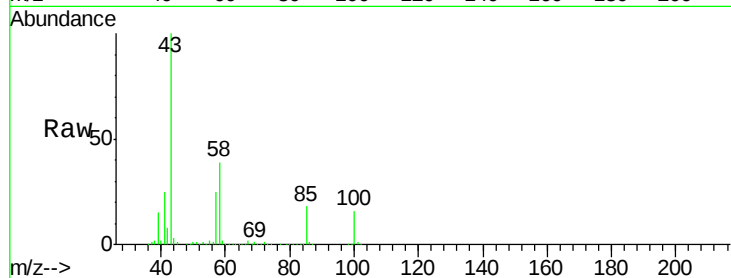




#51
 4-Methyl-2-Pentanone
 Concen: 86.88 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX001012.D
 Acq: 20 Apr 2018 16:43

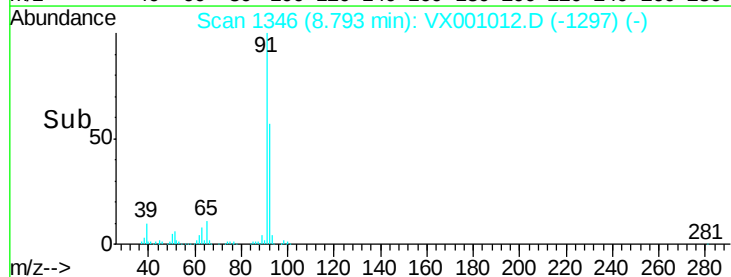
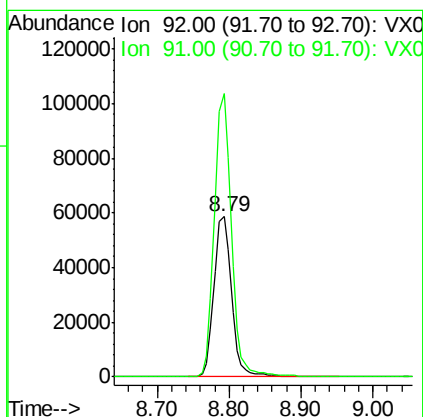
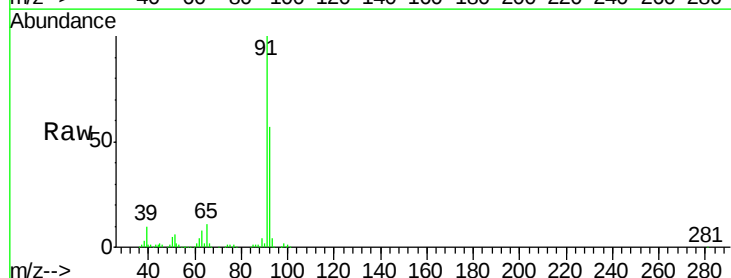
Instrument :
 MSVOA_X
 ClientSampleId :

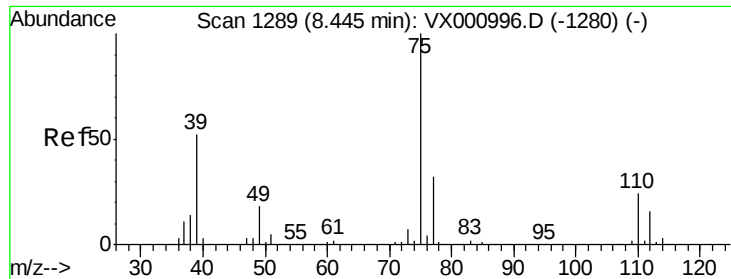
Tot Ion: 43 Resp: 265582
 Ion Ratio Lower Upper
 43 100
 58 36.6 30.2 45.4



#52
 Toluene
 Concen: 17.14 ug/l
 RT: 8.79 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VX001012.D
 Acq: 20 Apr 2018 16:43

Tgt Ion: 92 Resp: 99510
 Ion Ratio Lower Upper
 92 100
 91 172.1 138.2 207.4

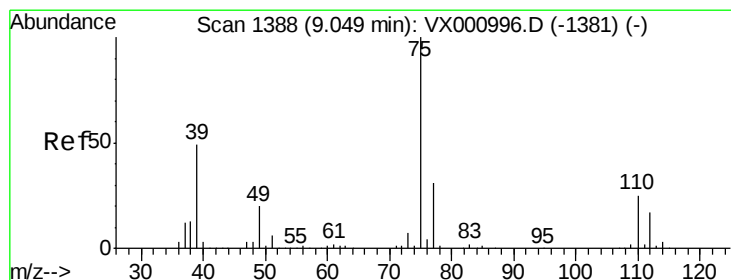
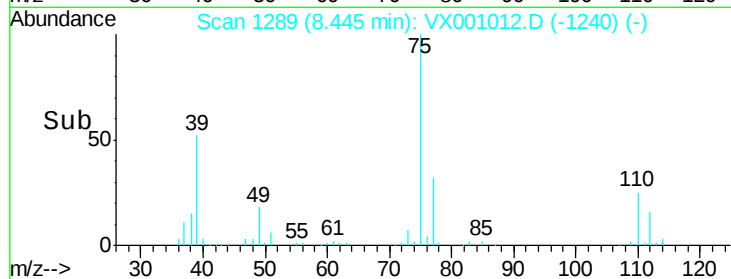
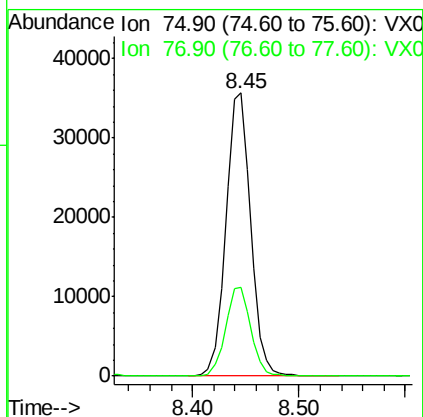
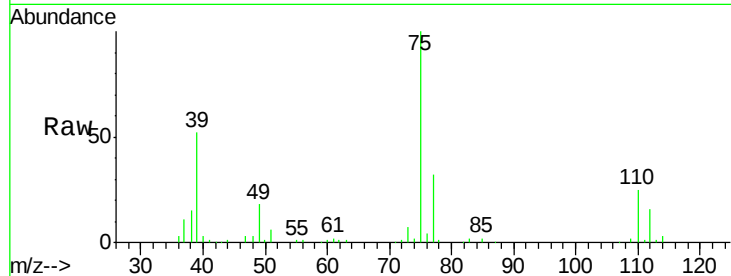




#53
t-1,3-Dichloropropene
Concen: 16.82 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

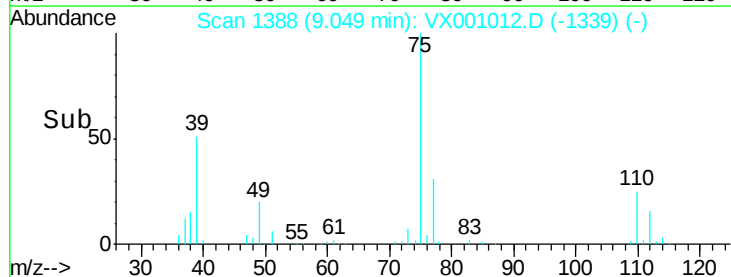
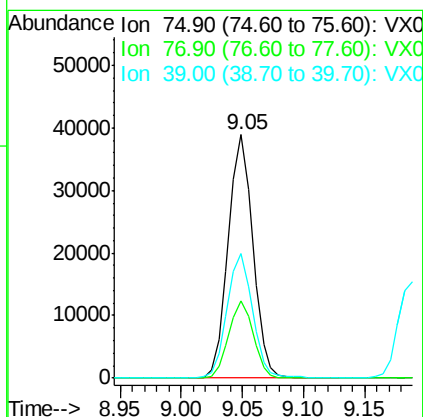
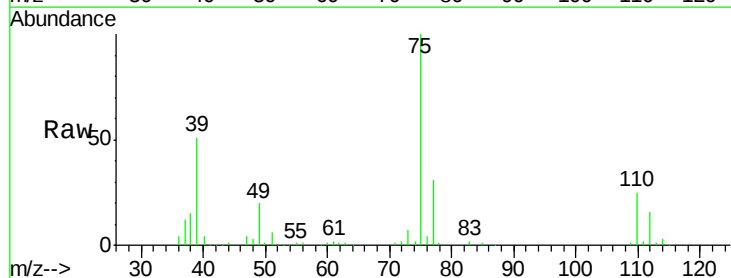
Instrument :
MSVOA_X
ClientSampleId :

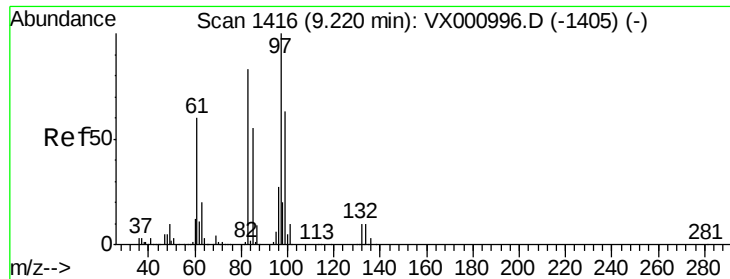
Tot Ion: 75 Resp: 58221
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.6



#54
cis-1,3-Dichloropropene
Concen: 16.70 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

Tgt Ion: 75 Resp: 54503
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6
39 51.3 39.2 58.8

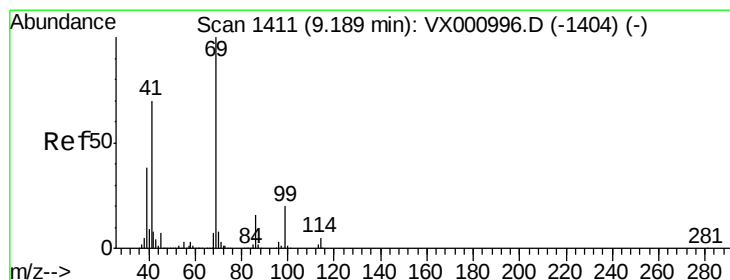
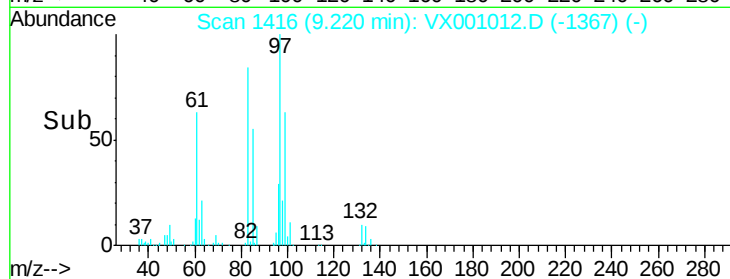
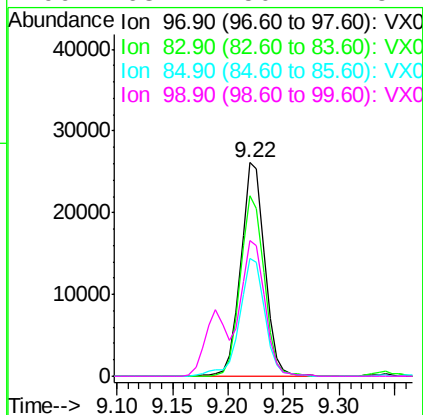
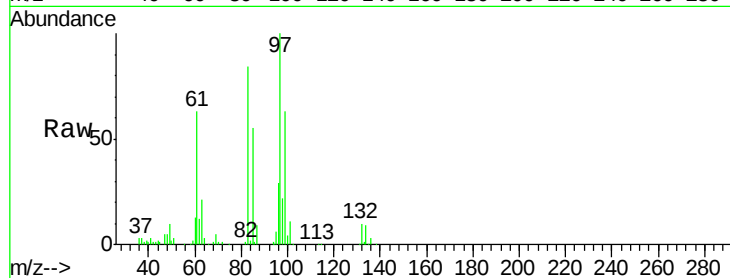




#55
 1,1,2-Trichloroethane
 Concen: 16.91 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001012.D
 Acq: 20 Apr 2018 16:43

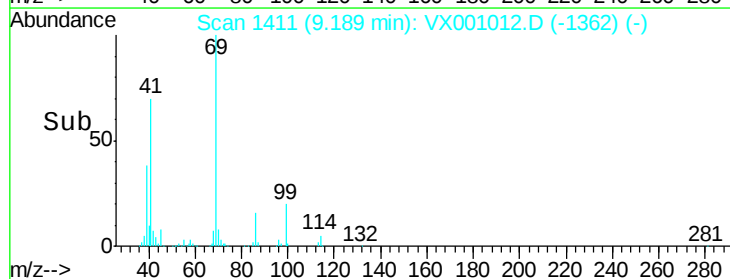
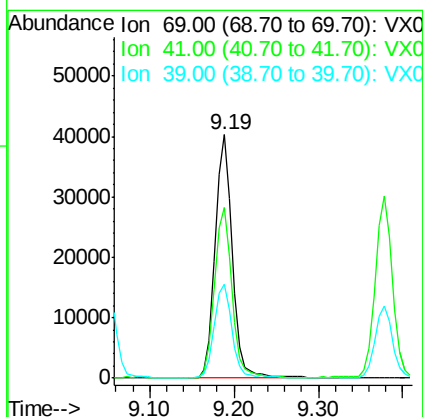
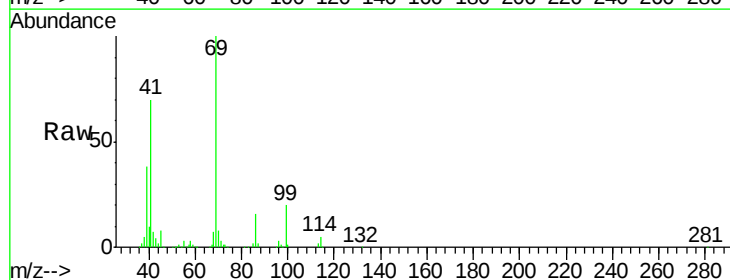
Instrument :
 MSVOA_X
 ClientSampleId :

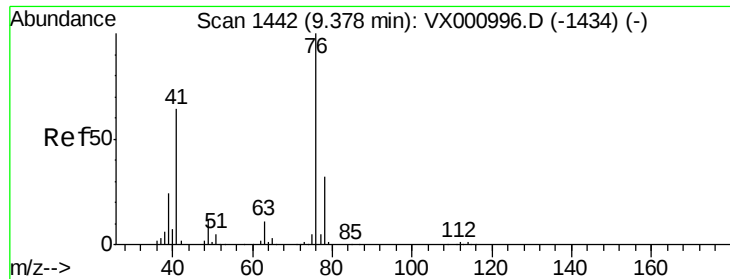
Tot Ion:	97	Resp:	39020
Ion	Ratio	Lower	Upper
97	100		
83	84.4	66.2	99.4
85	55.0	44.2	66.4
99	63.4	50.2	75.4



#56
 Ethyl methacrylate
 Concen: 16.99 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001012.D
 Acq: 20 Apr 2018 16:43

Tgt Ion:	69	Resp:	57586
Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.3	84.5
39	39.8	30.4	45.6





#57

1,3-Dichloropropane

Concen: 17.00 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

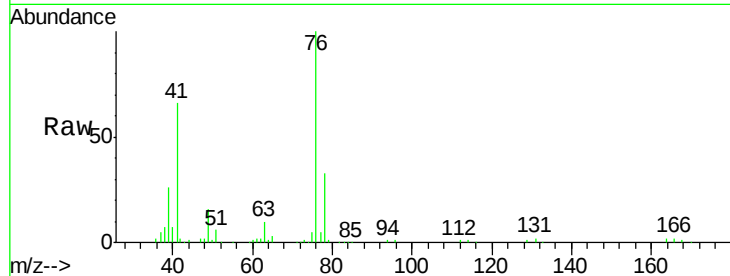
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 76 Resp: 64962

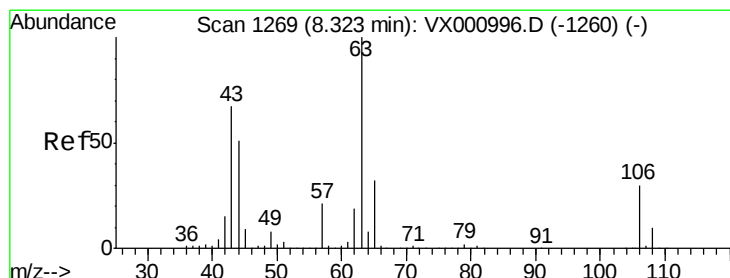
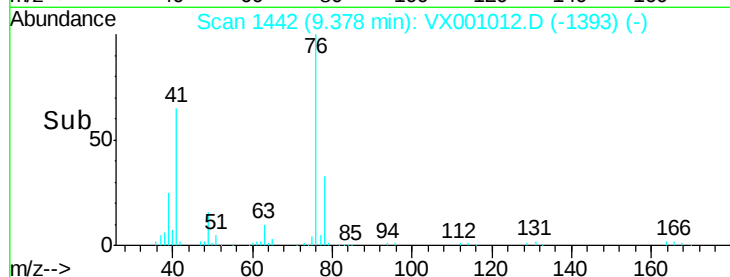
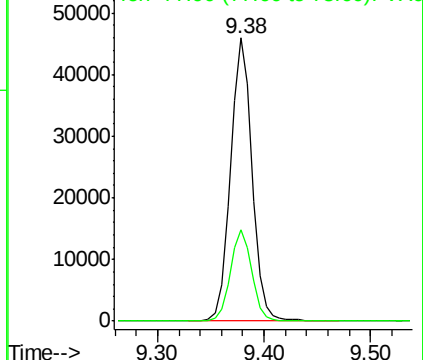
Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0
Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 88.53 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX001012.D

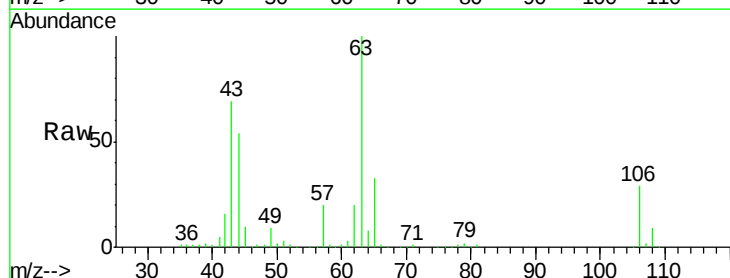
Acq: 20 Apr 2018 16:43

Tgt Ion: 63 Resp: 146419

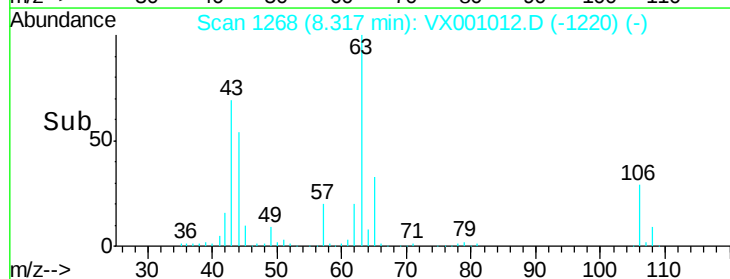
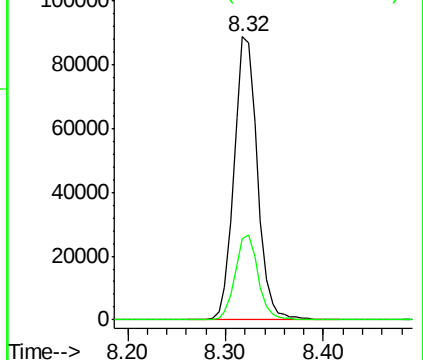
Ion Ratio Lower Upper

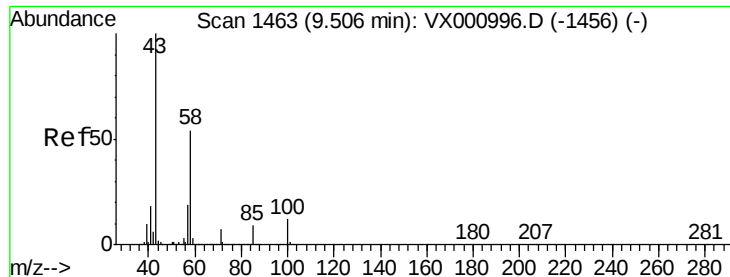
63 100

106 29.9 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 105.90 (105.60 to 106.60): V

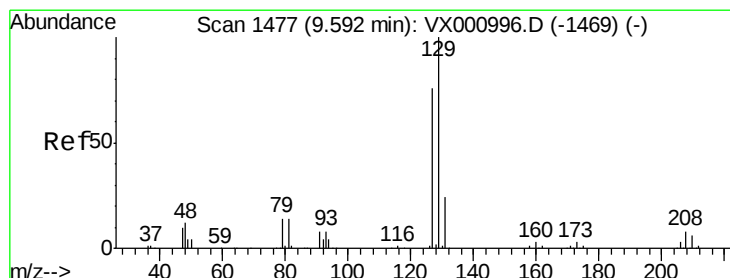
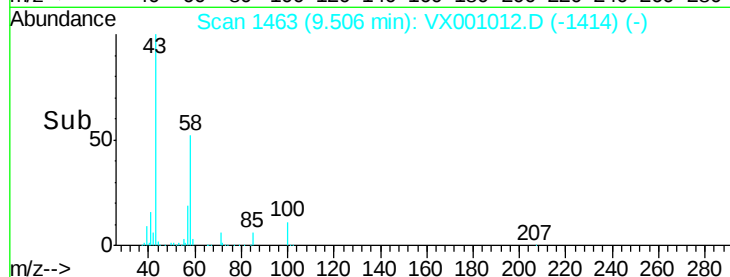
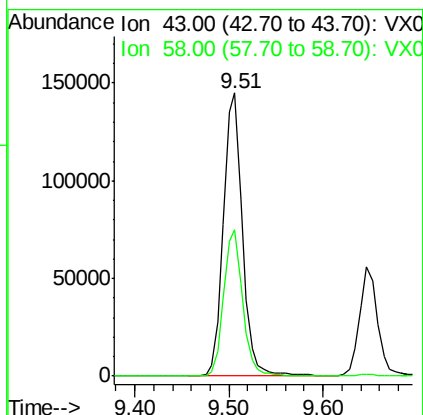
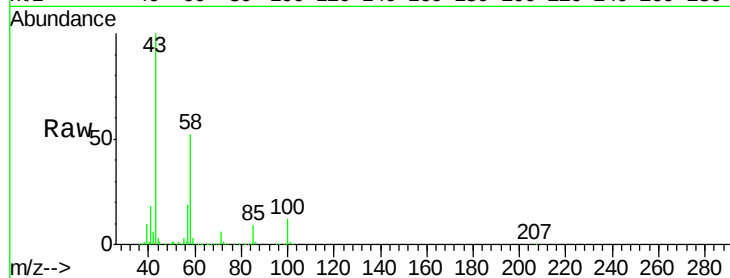




#59
2-Hexanone
Concen: 86.72 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

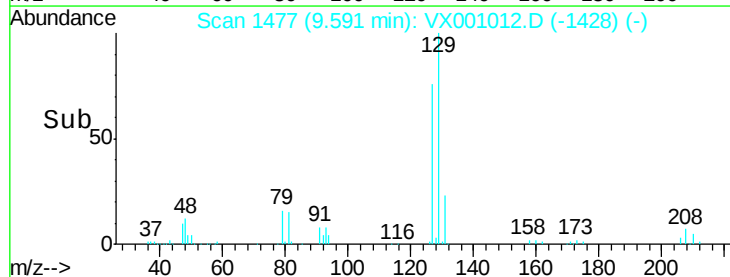
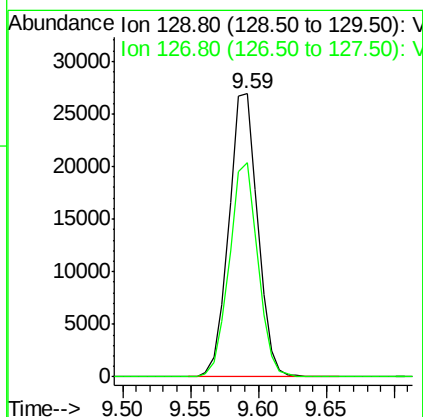
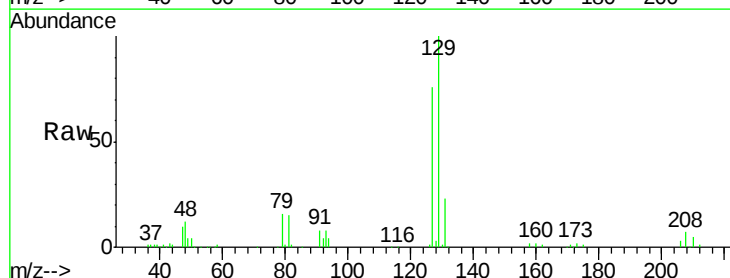
Instrument :
MSVOA_X
ClientSampleId :

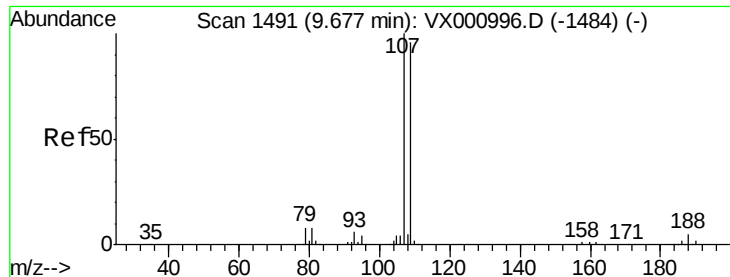
Tot Ion: 43 Resp: 202916
Ion Ratio Lower Upper
43 100
58 51.8 26.3 78.9



#60
Dibromochloromethane
Concen: 16.41 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

Tgt Ion: 129 Resp: 39761
Ion Ratio Lower Upper
129 100
127 74.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 17.17 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :

MSVOA_X

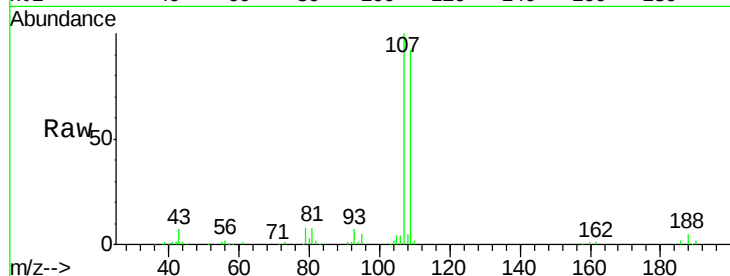
ClientSampleId :

Tot Ion:107 Resp: 41815

Ion Ratio Lower Upper

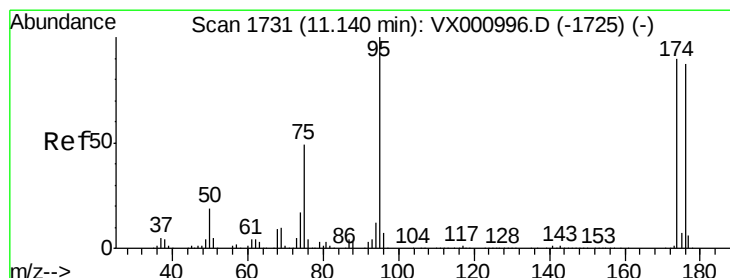
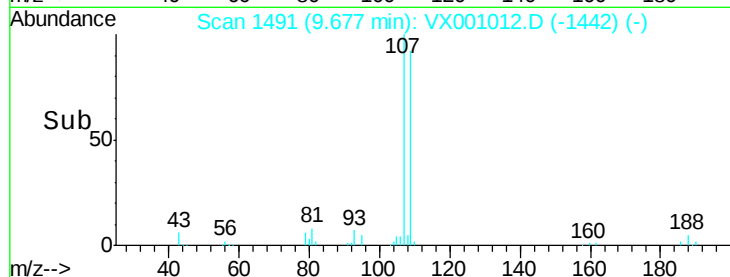
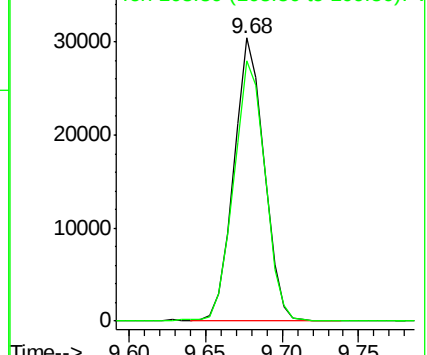
107 100

109 95.1 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.29 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

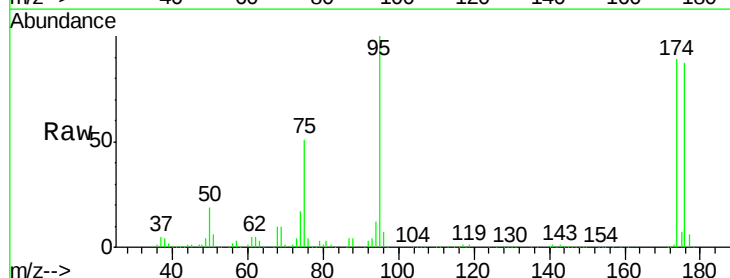
Tgt Ion: 95 Resp: 155544

Ion Ratio Lower Upper

95 100

174 97.6 0.0 198.4

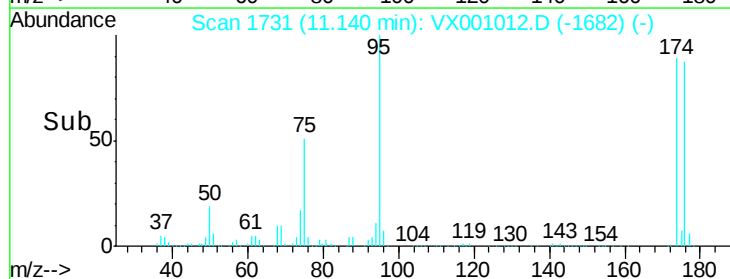
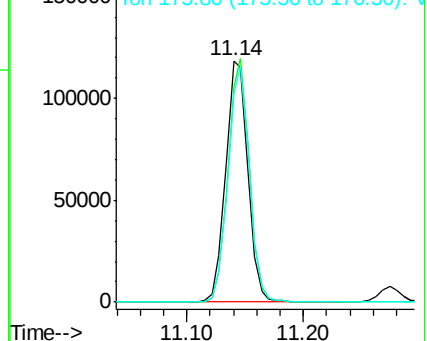
176 94.9 0.0 192.0

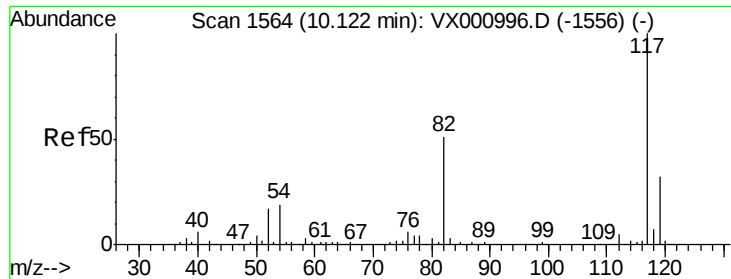


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

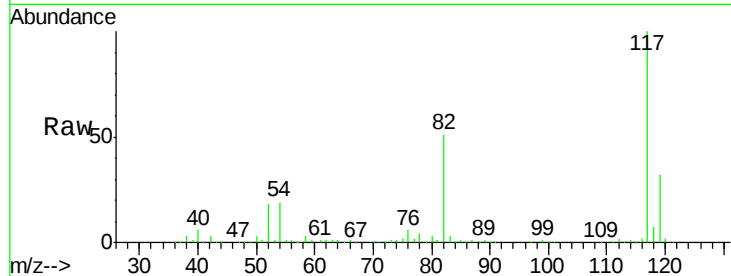




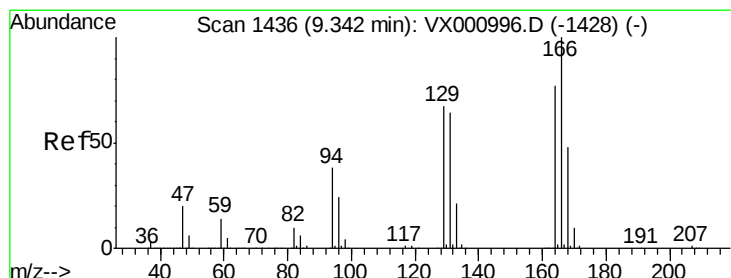
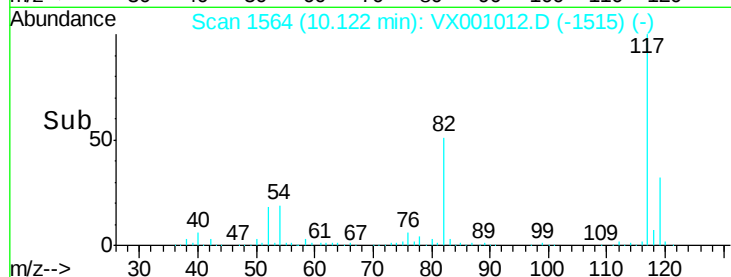
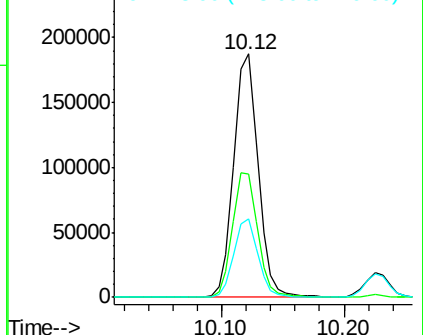
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 259725
Ion Ratio Lower Upper
117 100
82 50.6 40.6 60.8
119 32.1 26.0 39.0

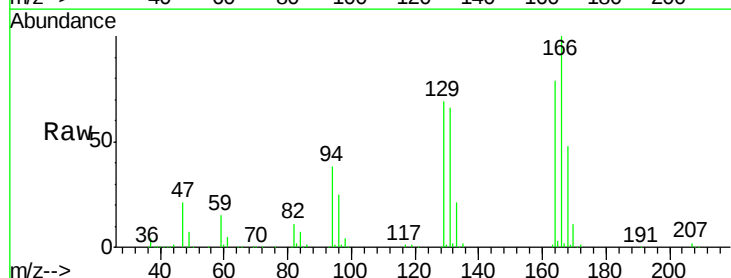


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

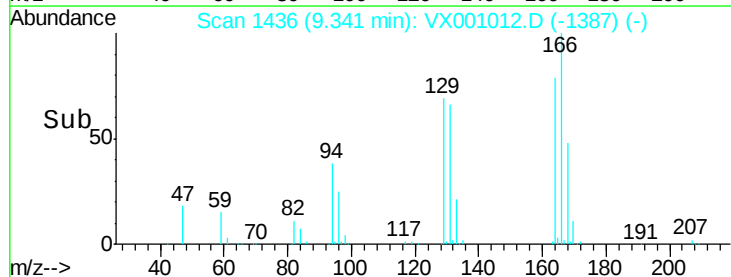
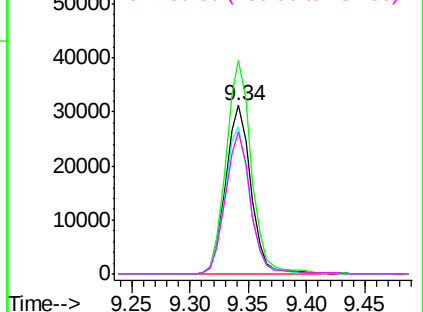


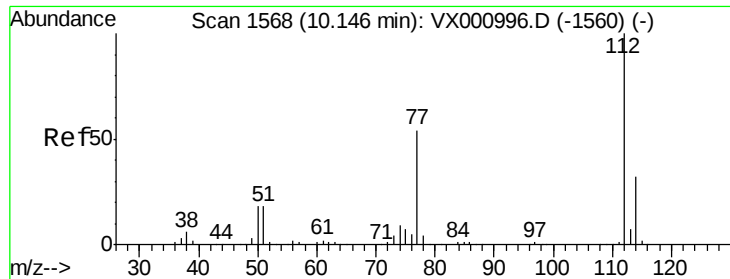
#64
Tetrachloroethene
Concen: 17.11 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

Tgt Ion:164 Resp: 47181
Ion Ratio Lower Upper
164 100
166 126.7 103.5 155.3
129 87.5 69.6 104.4
131 84.2 65.8 98.8



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





#65

Chlorobenzene

Concen: 16.69 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :

MSVOA_X

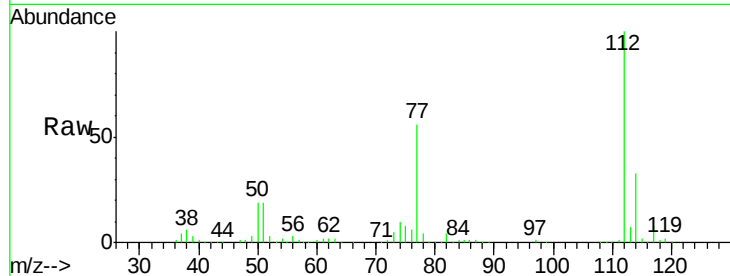
ClientSampleId :

Tot Ion:112 Resp: 115401

Ion Ratio Lower Upper

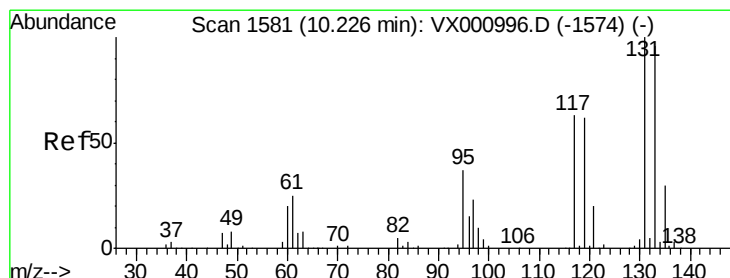
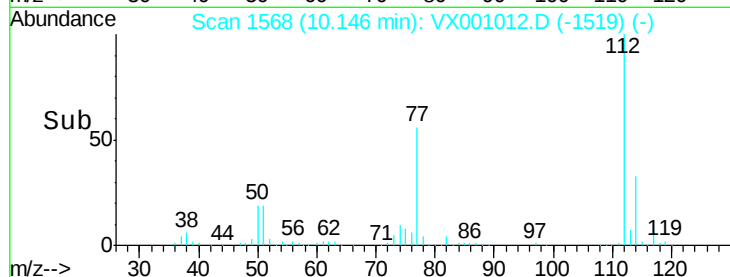
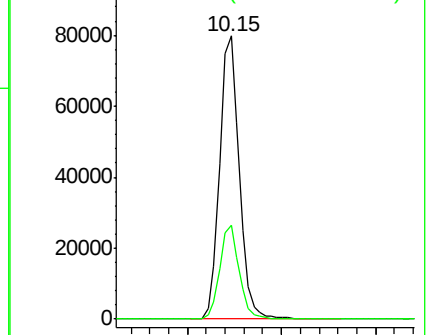
112 100

114 33.0 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 16.71 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

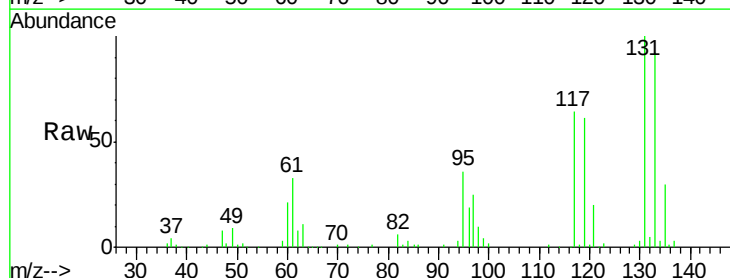
Tgt Ion:131 Resp: 39657

Ion Ratio Lower Upper

131 100

133 95.3 47.6 142.8

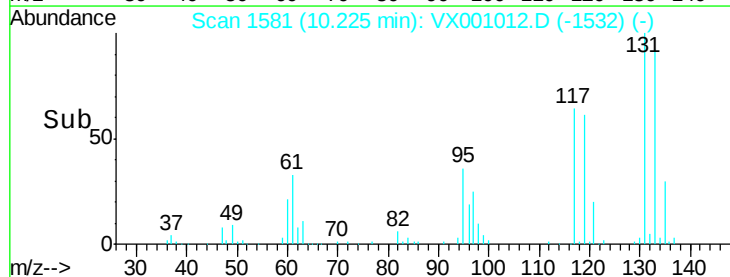
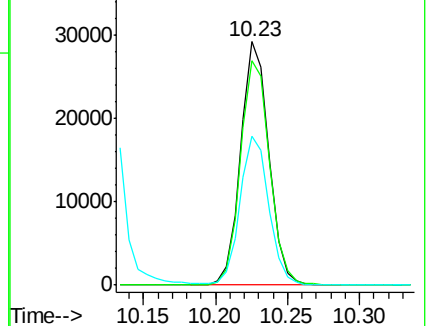
119 62.8 31.1 93.2

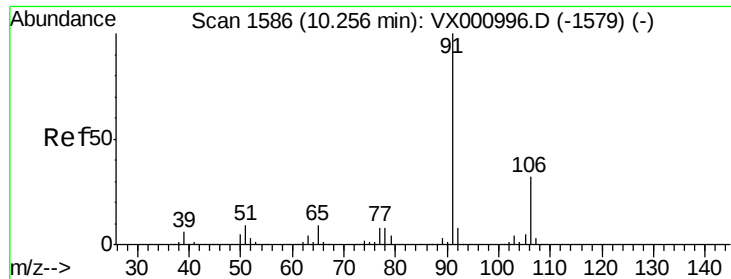


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 16.78 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :

MSVOA_X

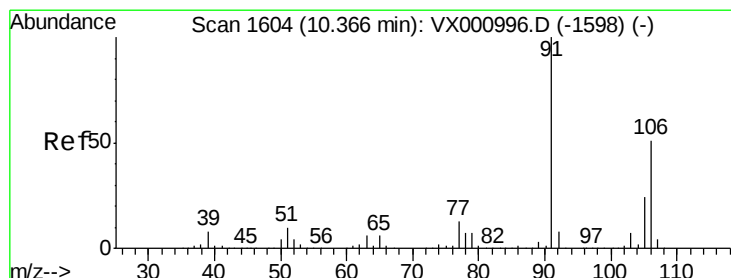
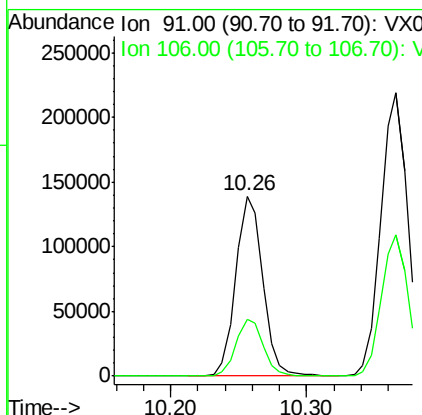
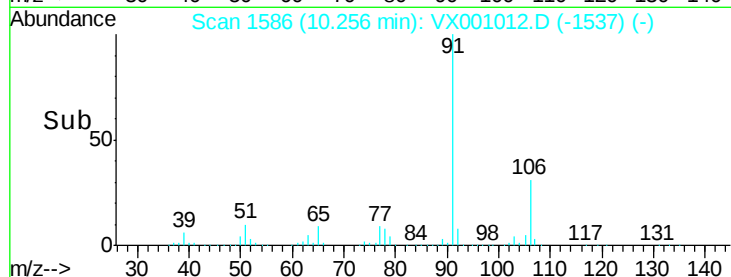
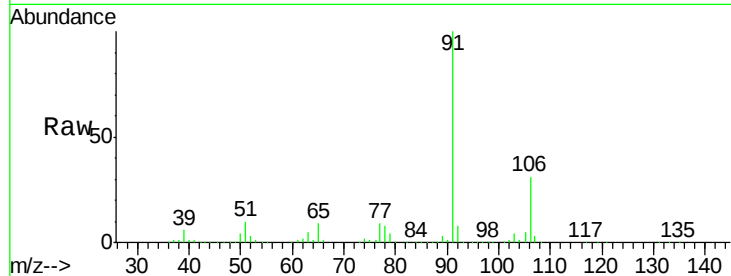
ClientSampleId :

Tot Ion: 91 Resp: 192698

Ion Ratio Lower Upper

91 100

106 31.3 25.7 38.5



#68

m/p-Xylenes

Concen: 33.52 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001012.D

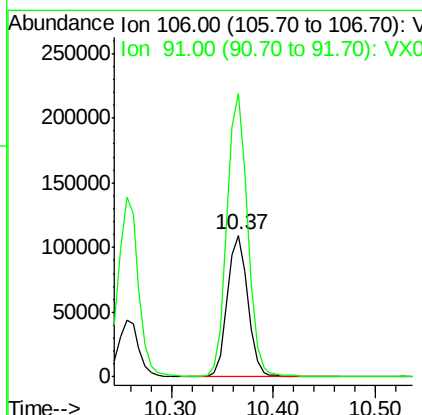
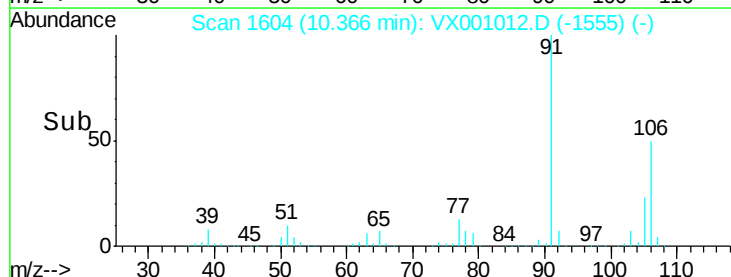
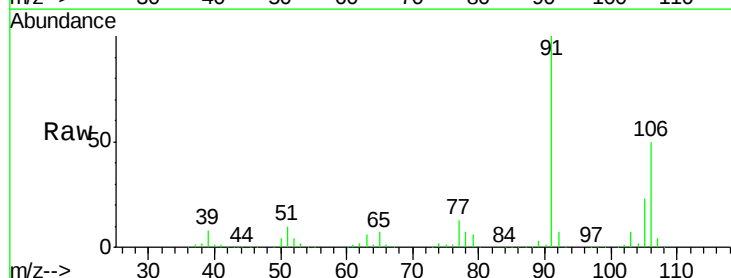
Acq: 20 Apr 2018 16:43

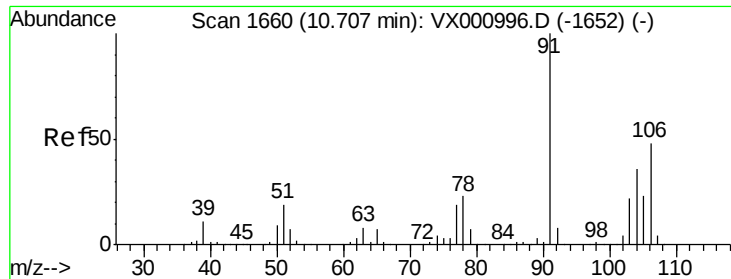
Tgt Ion: 106 Resp: 151722

Ion Ratio Lower Upper

106 100

91 202.2 159.3 238.9

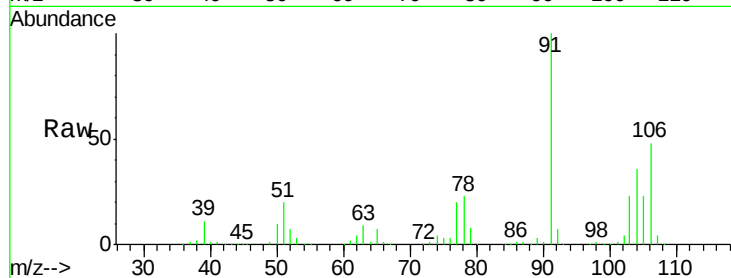




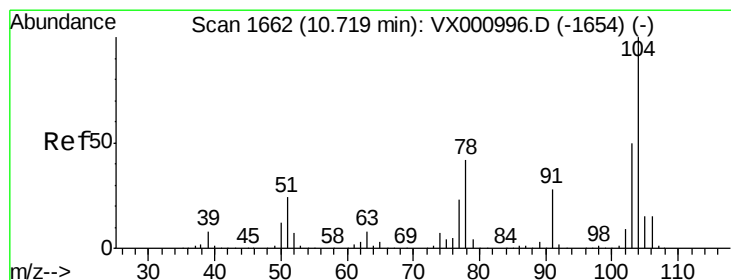
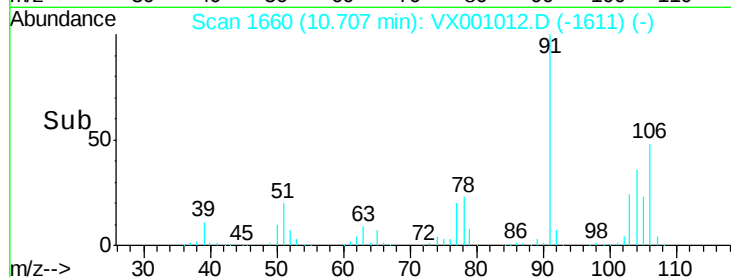
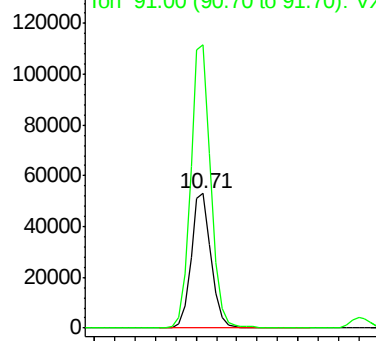
#69
o-Xylene
Concen: 16.53 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 72152
Ion Ratio Lower Upper
106 100
91 213.5 105.1 315.1

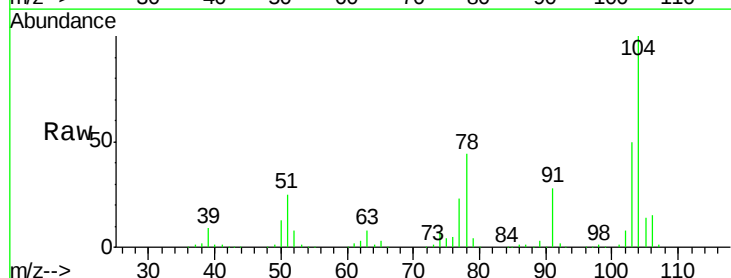


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

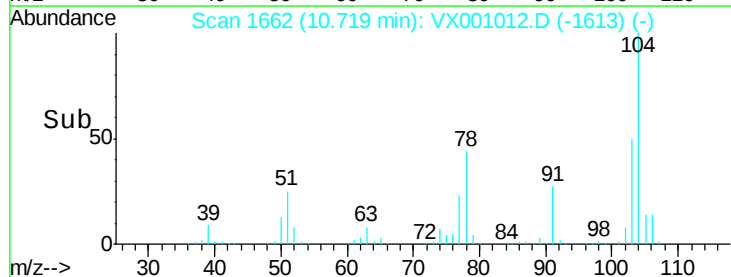
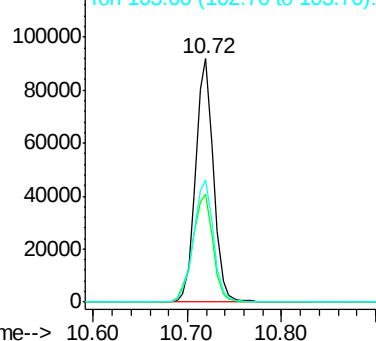


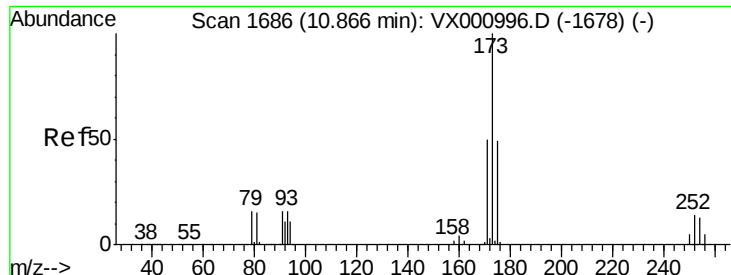
#70
Styrene
Concen: 16.82 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

Tgt Ion:104 Resp: 120878
Ion Ratio Lower Upper
104 100
78 50.5 39.4 59.2
103 55.9 44.2 66.2



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

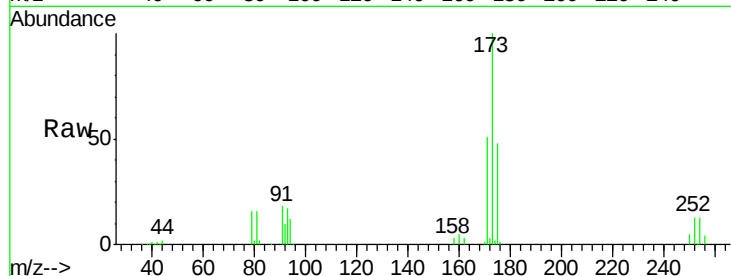




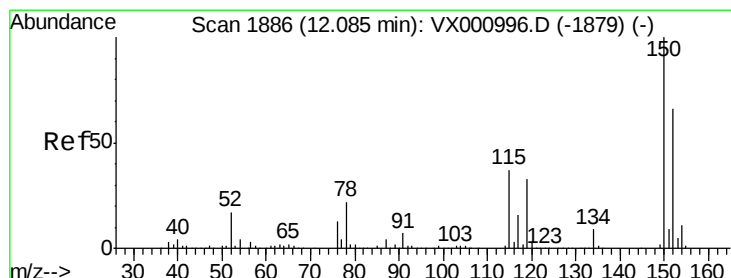
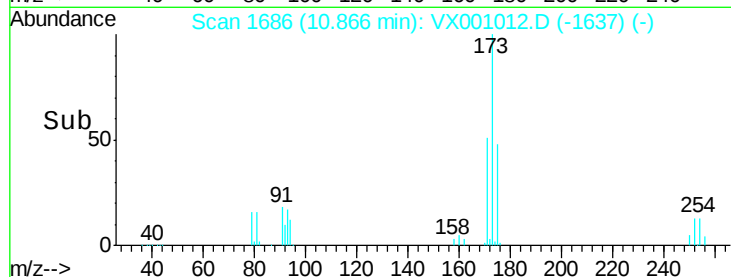
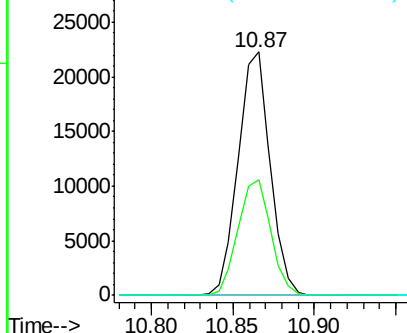
#71
Bromoform
Concen: 15.79 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:173 Resp: 30530
Ion Ratio Lower Upper
173 100
175 48.8 24.8 74.3
254 0.0 0.2 0.2#

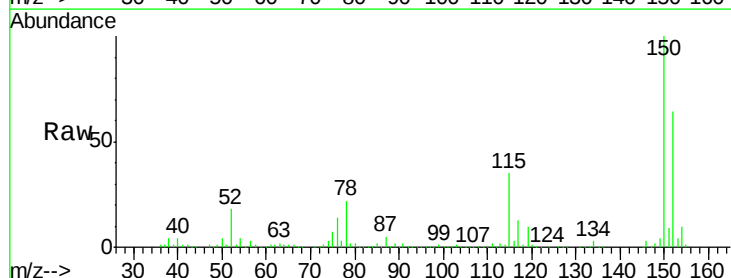


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

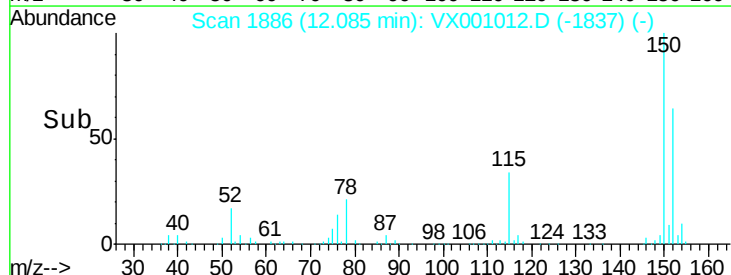
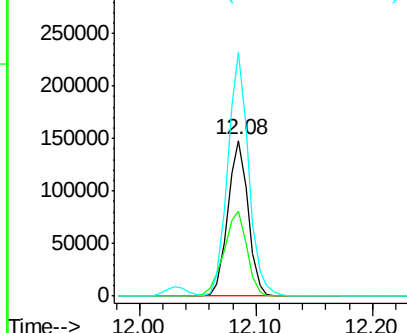


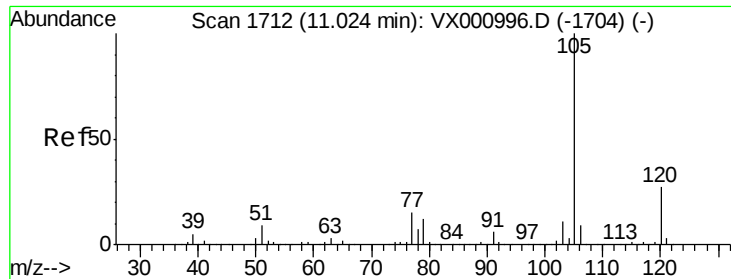
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

Tgt Ion:152 Resp: 178472
Ion Ratio Lower Upper
152 100
115 61.8 38.2 114.6
150 161.6 0.0 350.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.11 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :

MSVOA_X

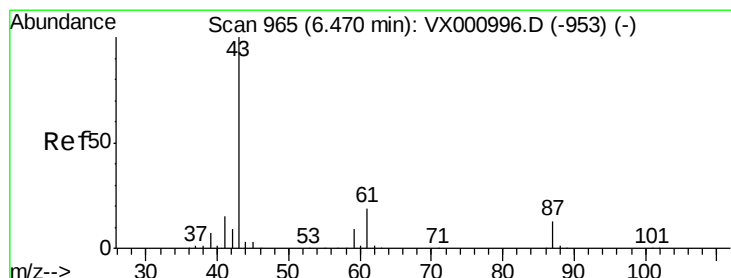
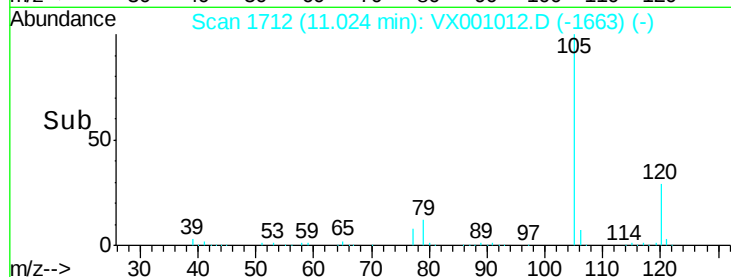
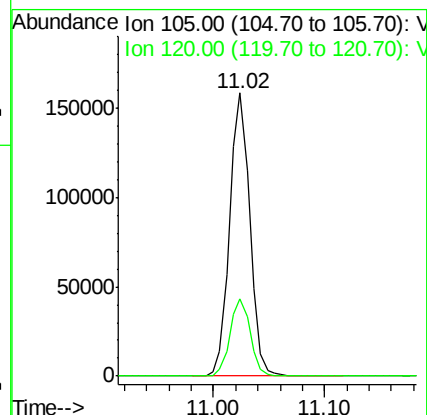
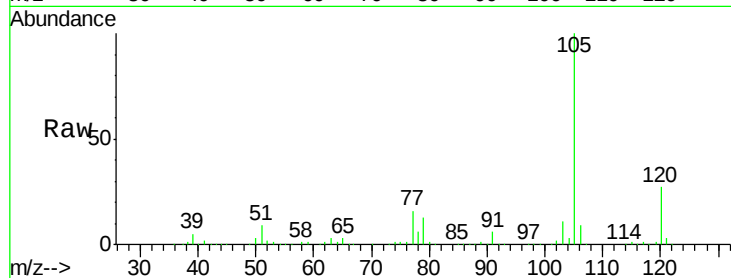
ClientSampleId :

Tot Ion:105 Resp: 199611

Ion Ratio Lower Upper

105 100

120 27.4 13.4 40.2



#74

N-ethyl acetate

Concen: 16.95 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Tgt Ion: 43 Resp: 84576

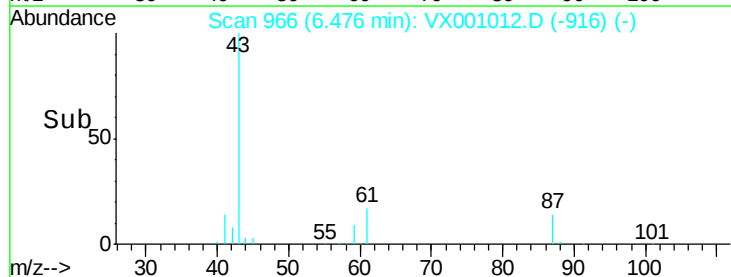
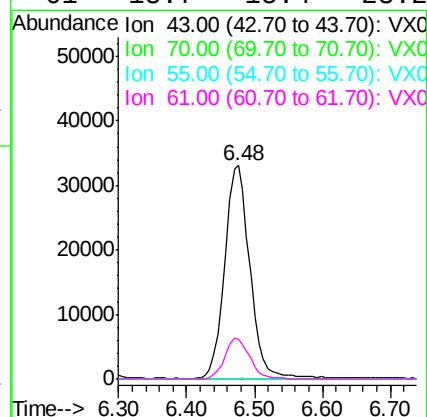
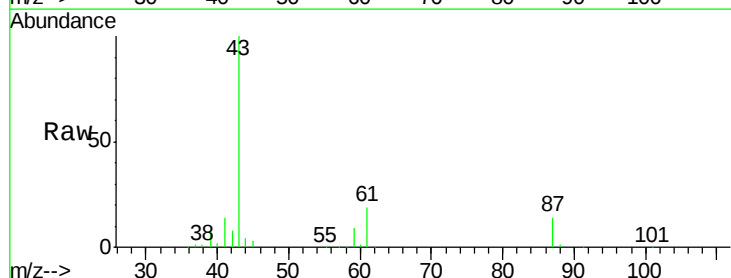
Ion Ratio Lower Upper

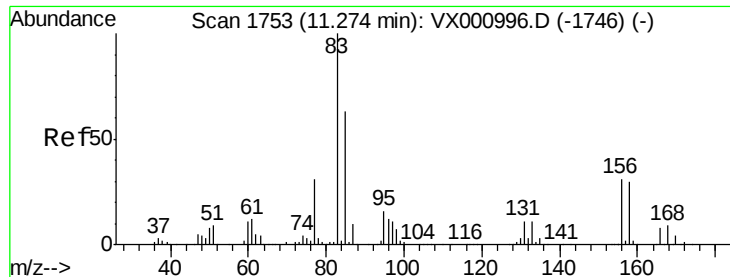
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 18.7 15.4 23.2





#75

1,1,2,2-Tetrachloroethane

Concen: 17.08 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :

MSVOA_X

ClientSampled :

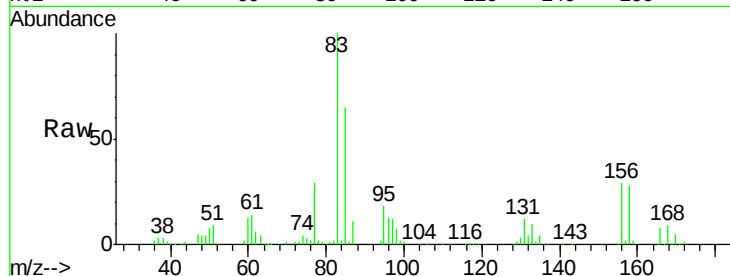
Tot Ion: 83 Resp: 56414

Ion Ratio Lower Upper

83 100

131 12.0 5.8 17.4

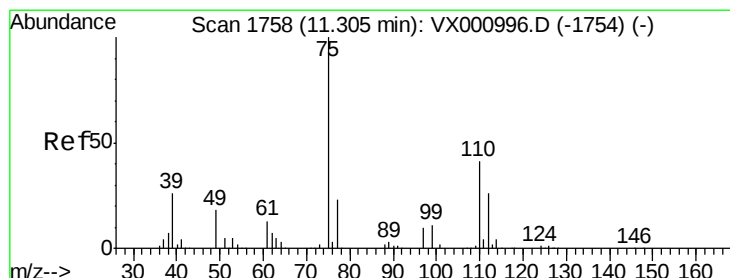
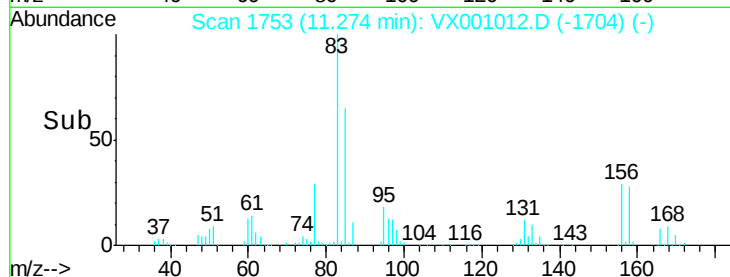
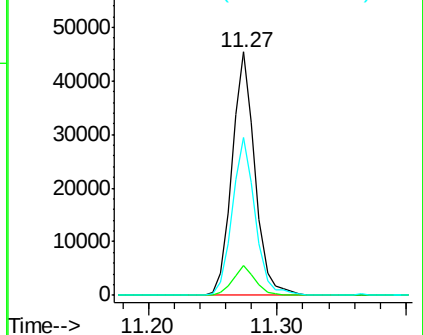
85 65.0 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX000996.D (-1746) (-)

Ion 130.80 (130.50 to 131.50): VX000996.D (-1746) (-)

Ion 84.90 (84.60 to 85.60): VX000996.D (-1746) (-)



#76

1,2,3-Trichloropropane

Concen: 19.95 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX001012.D

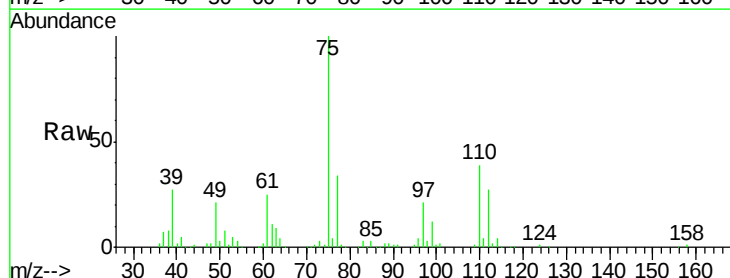
Acq: 20 Apr 2018 16:43

Tgt Ion: 75 Resp: 61762

Ion Ratio Lower Upper

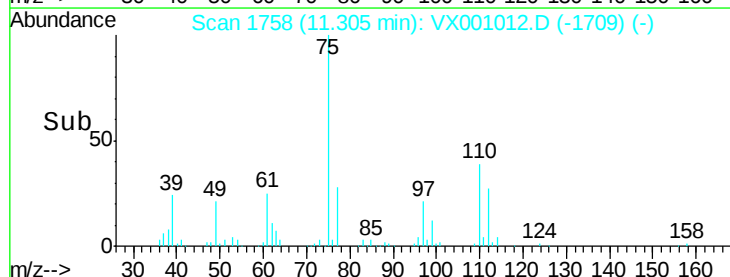
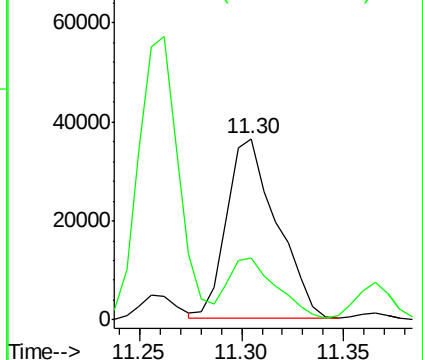
75 100

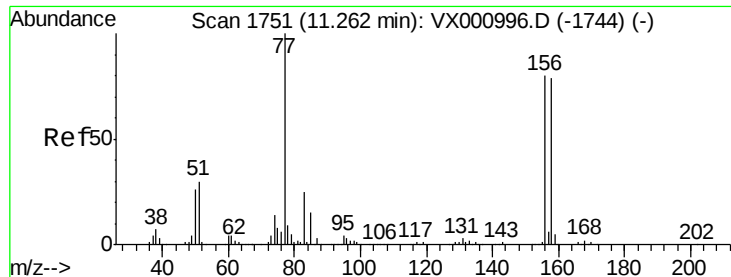
77 33.4 19.6 58.7



Abundance Ion 74.90 (74.60 to 75.60): VX000996.D (-1754) (-)

Ion 77.00 (76.70 to 77.70): VX000996.D (-1754) (-)





#77

Bromobenzene

Concen: 17.17 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

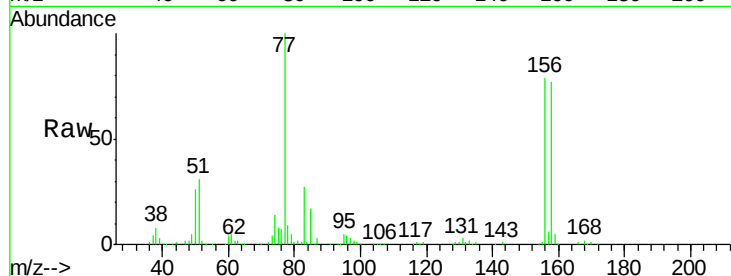
Tot Ion:156 Resp: 58138

Ion Ratio Lower Upper

156 100

77 134.2 66.3 199.0

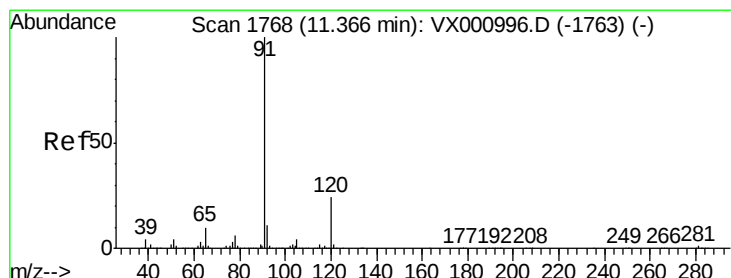
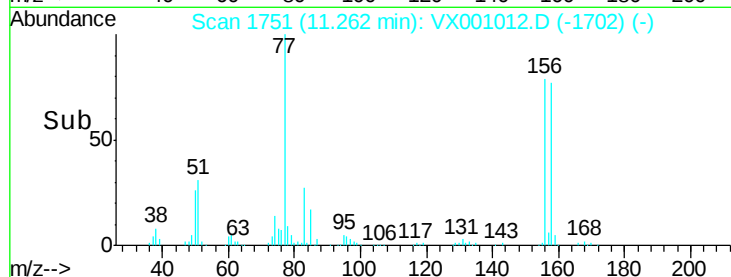
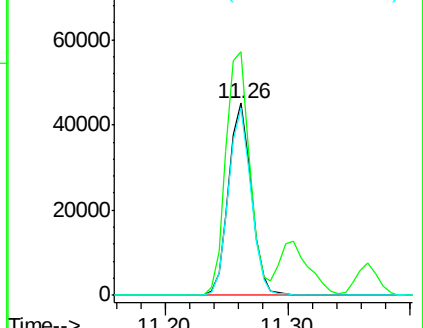
158 96.5 48.9 146.6



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: 17.28 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001012.D

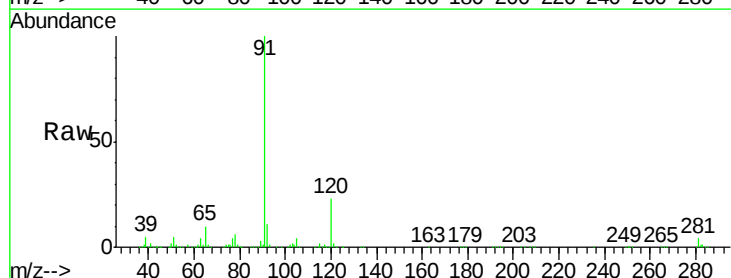
Acq: 20 Apr 2018 16:43

Tgt Ion: 91 Resp: 231434

Ion Ratio Lower Upper

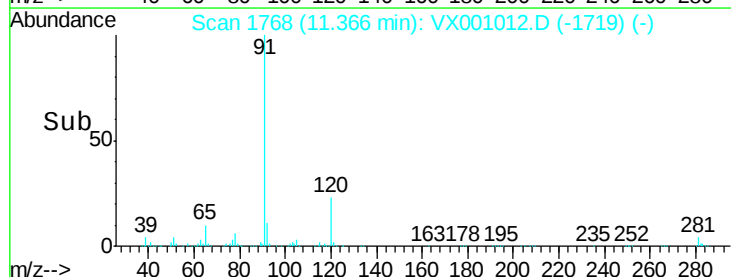
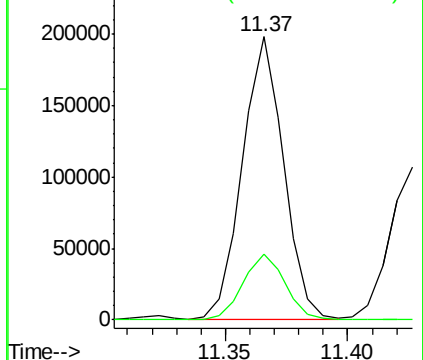
91 100

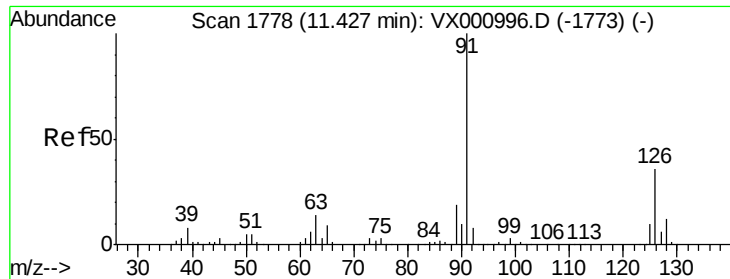
120 24.2 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 16.97 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :

MSVOA_X

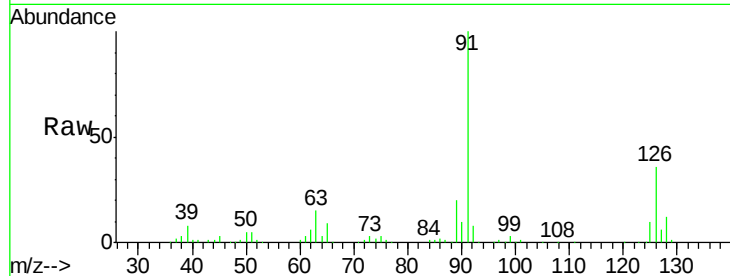
ClientSampled :

Tot Ion: 91 Resp: 134281

Ion Ratio Lower Upper

91 100

126 36.0 18.3 54.9



Abundance Ion 91.00 (90.70 to 91.70): VX000996.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX000996.D (-1773) (-)

200000

150000

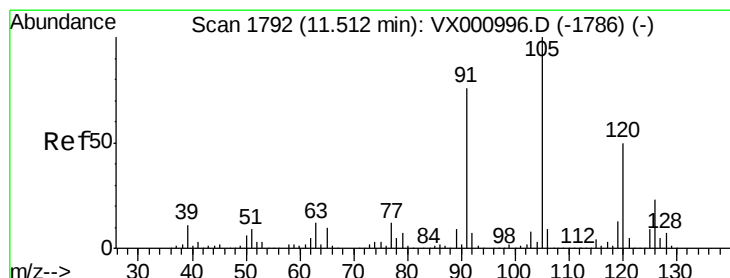
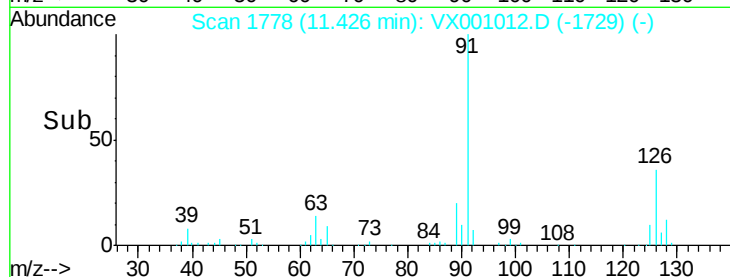
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.16 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001012.D

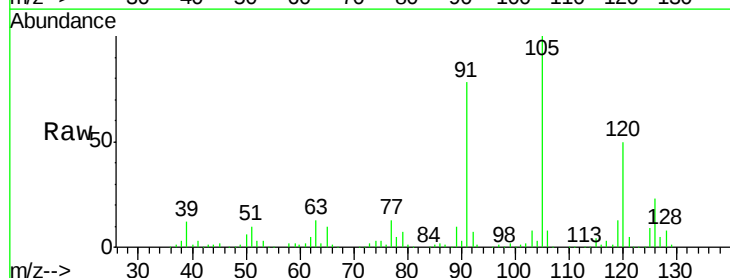
Acq: 20 Apr 2018 16:43

Tgt Ion:105 Resp: 169722

Ion Ratio Lower Upper

105 100

120 49.7 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VX000996.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX000996.D (-1786) (-)

150000

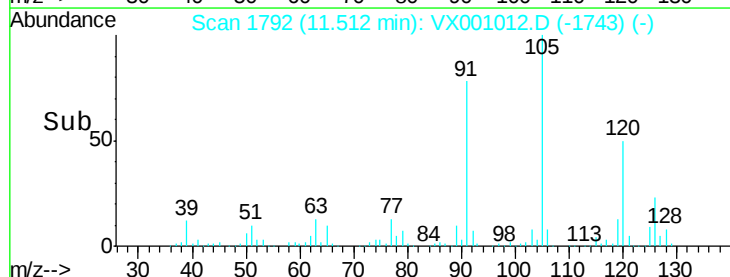
100000

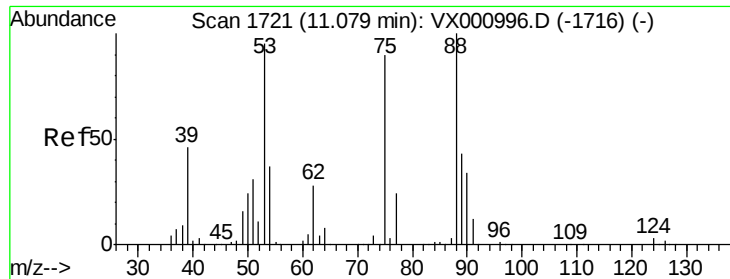
50000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.31 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

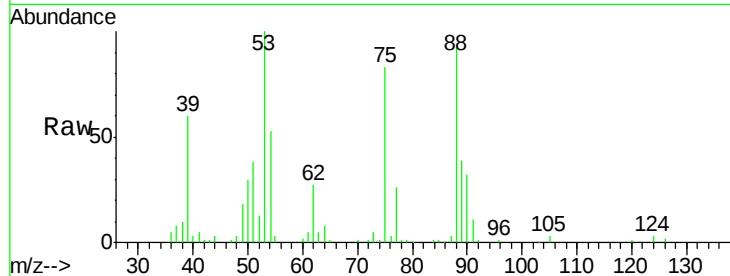
Tot Ion: 75 Resp: 13024

Ion Ratio Lower Upper

75 100

53 121.2 83.4 125.2

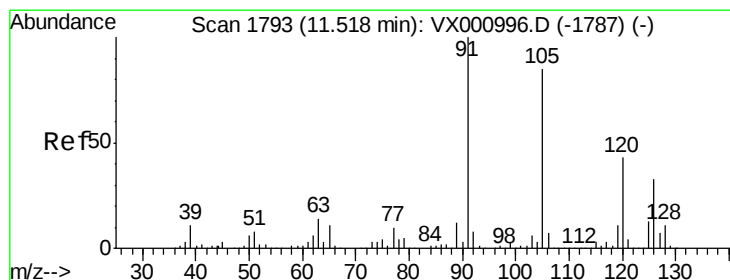
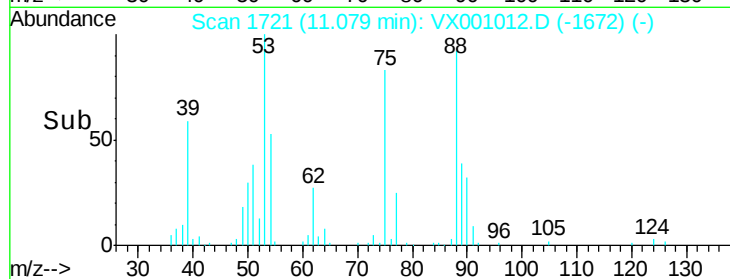
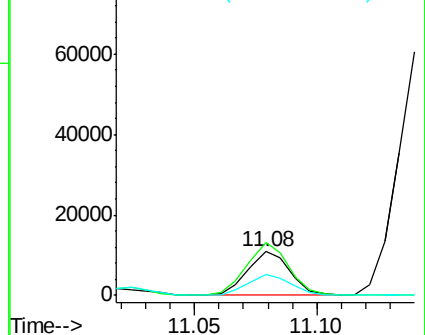
89 49.2 39.7 59.5



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: 17.26 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX001012.D

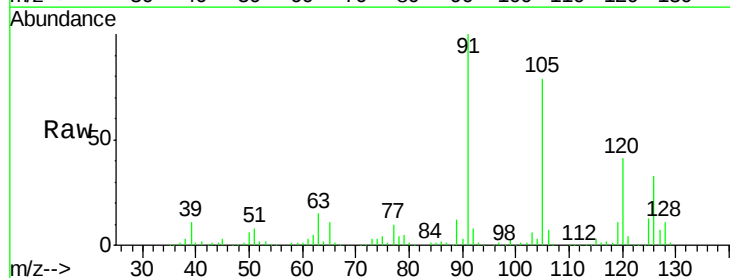
Acq: 20 Apr 2018 16:43

Tgt Ion: 91 Resp: 165054

Ion Ratio Lower Upper

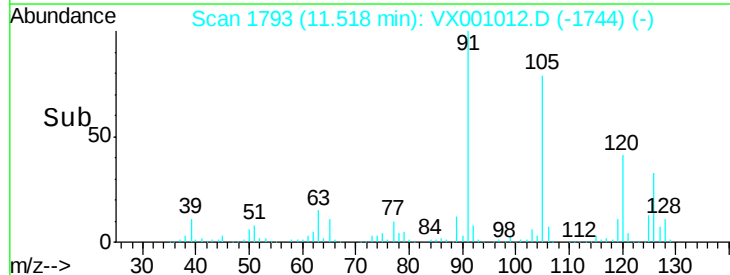
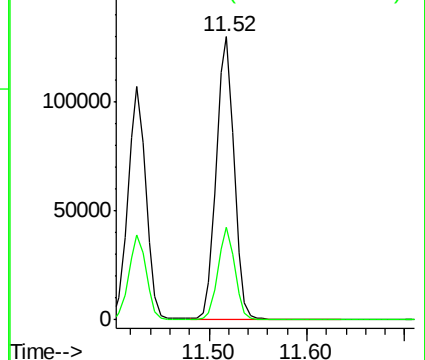
91 100

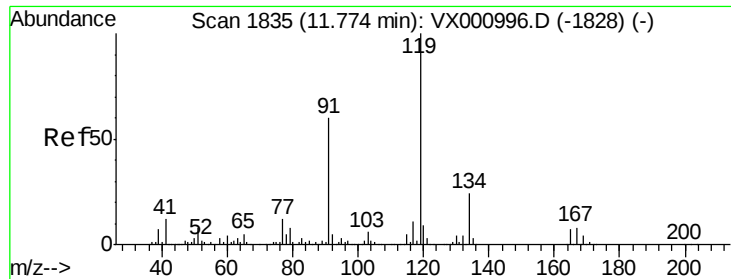
126 31.3 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

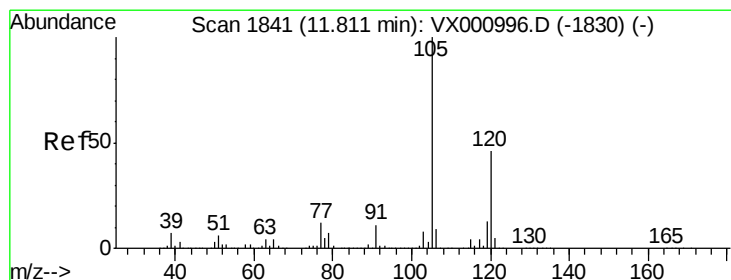
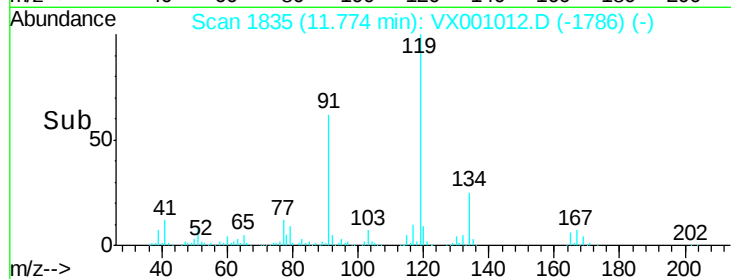
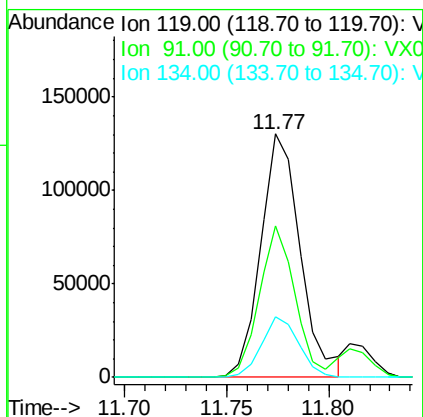
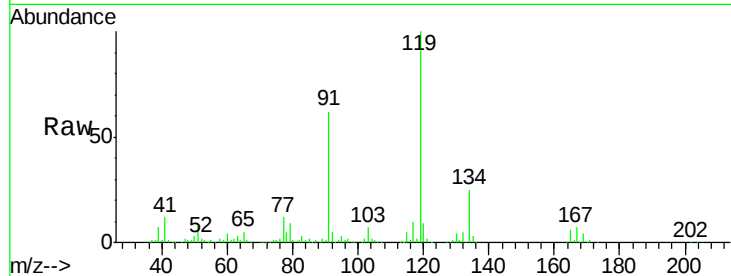




#83
 tert-Butylbenzene
 Concen: 17.57 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX001012.D
 Acq: 20 Apr 2018 16:43

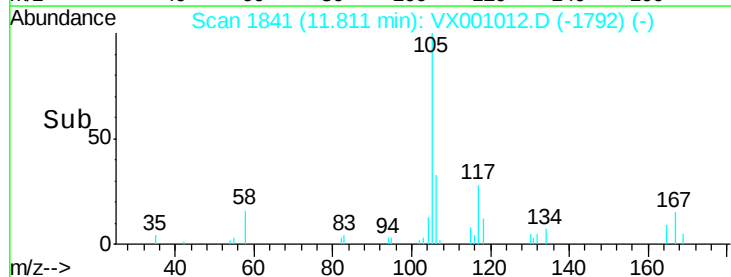
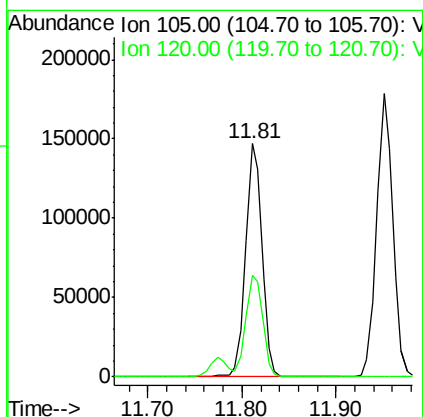
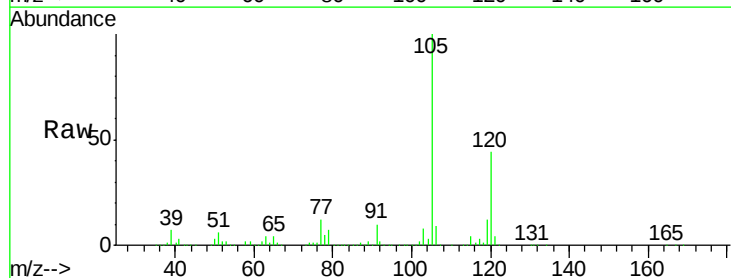
Instrument :
 MSVOA_X
 ClientSampleId :

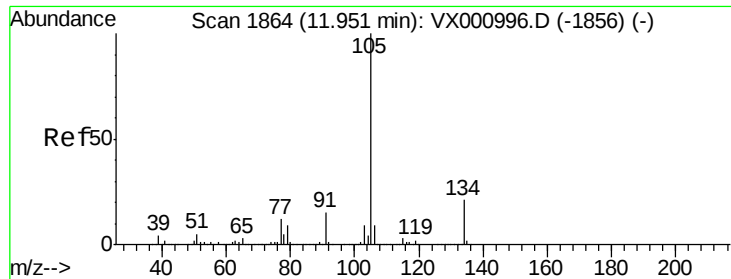
Tot Ion:119 Resp: 175311
 Ion Ratio Lower Upper
 119 100
 91 56.3 27.0 81.0
 134 23.6 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 17.51 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001012.D
 Acq: 20 Apr 2018 16:43

Tgt Ion:105 Resp: 178194
 Ion Ratio Lower Upper
 105 100
 120 44.8 23.0 69.0





#85

sec-Butylbenzene

Concen: 17.92 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :

MSVOA_X

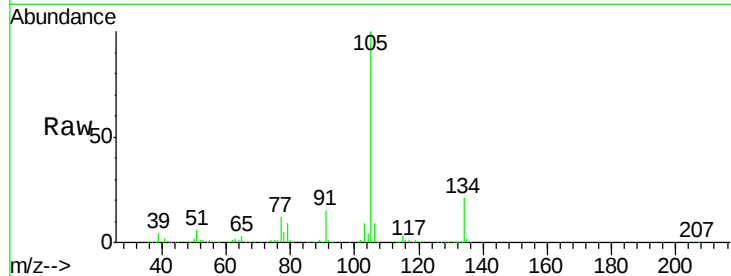
ClientSampleId :

Tot Ion:105 Resp: 213422

Ion Ratio Lower Upper

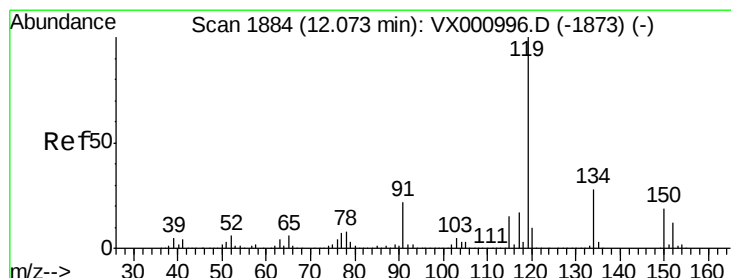
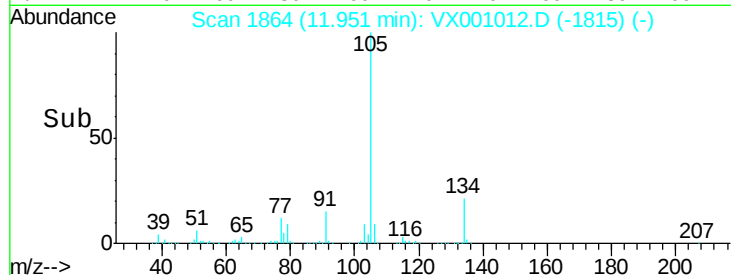
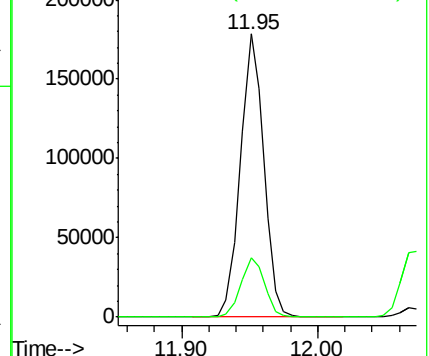
105 100

134 21.5 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.69 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

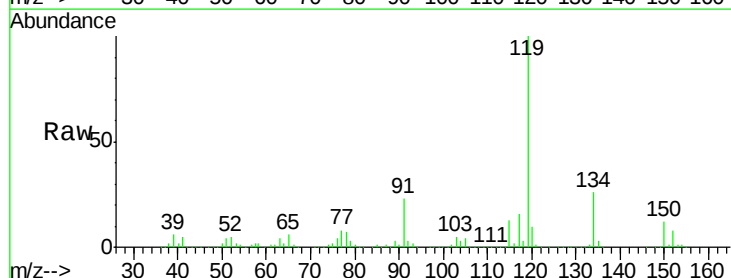
Tgt Ion:119 Resp: 194848

Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.5

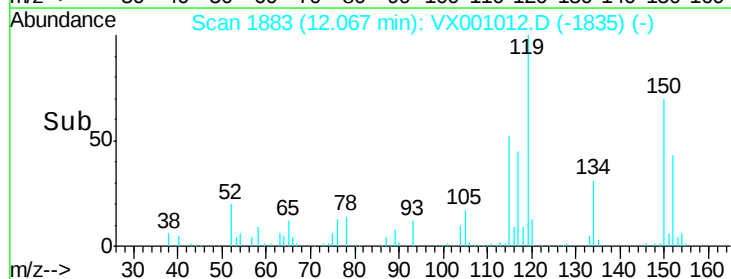
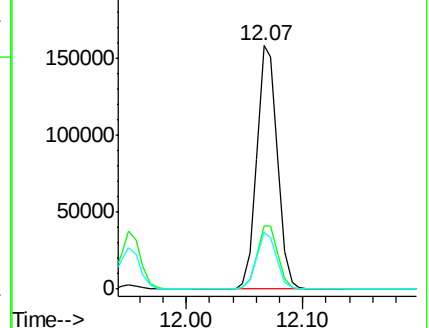
91 22.9 11.4 34.1

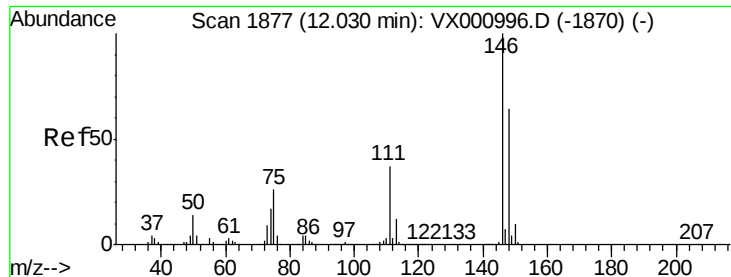


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 16.83 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

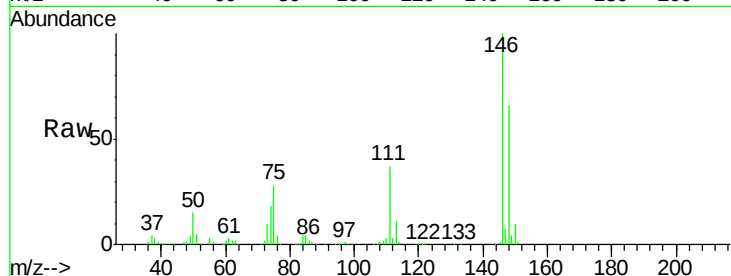
Tot Ion:146 Resp: 106681

Ion Ratio Lower Upper

146 100

111 37.4 18.3 54.8

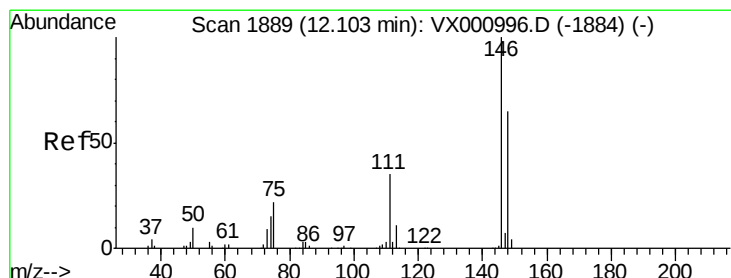
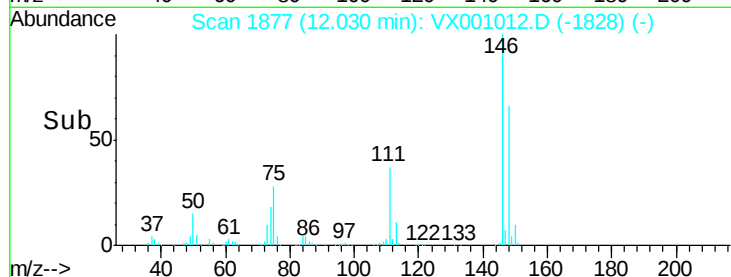
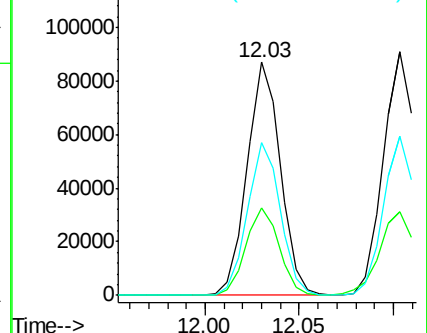
148 65.3 32.2 96.6



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: 17.00 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

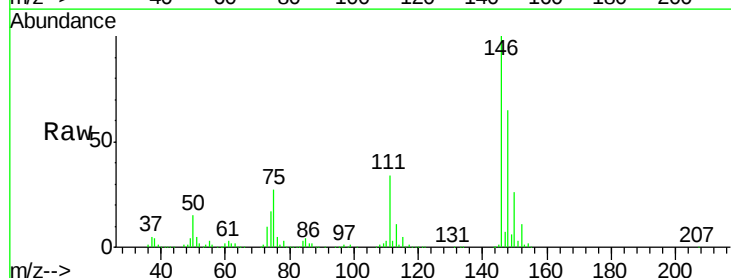
Tgt Ion:146 Resp: 110629

Ion Ratio Lower Upper

146 100

111 37.3 18.0 54.0

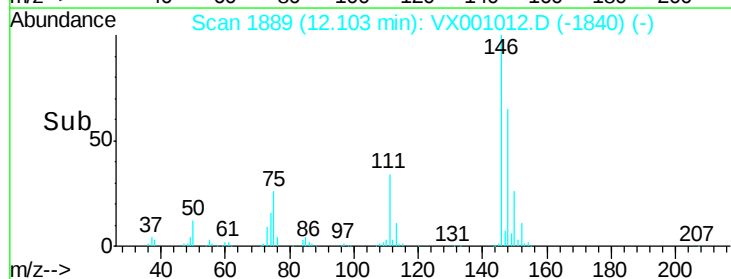
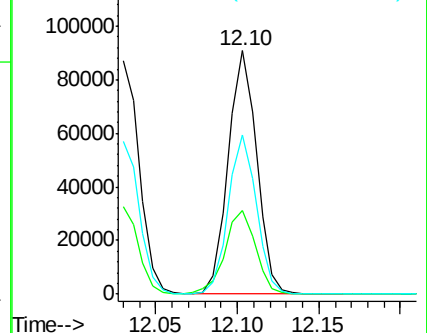
148 64.6 32.4 97.0

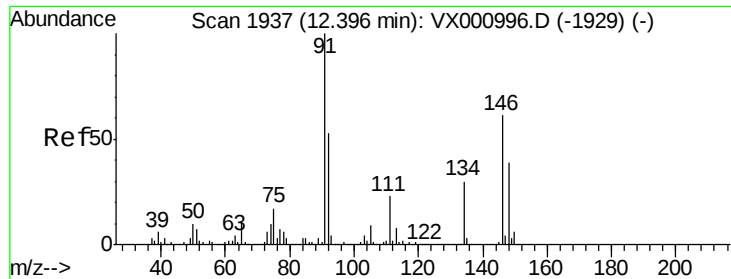


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.89 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

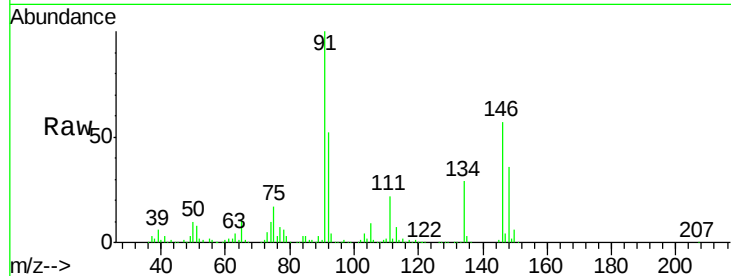
Tot Ion: 91 Resp: 175341

Ion Ratio Lower Upper

91 100

92 52.6 26.3 78.9

134 28.4 14.4 43.0



Abundance Ion 91.00 (90.70 to 91.70): VX000996.D (-1929) (-)

Ion 92.00 (91.70 to 92.70): VX000996.D (-1929) (-)

Ion 134.00 (133.70 to 134.70): VX000996.D (-1929) (-)

12.40

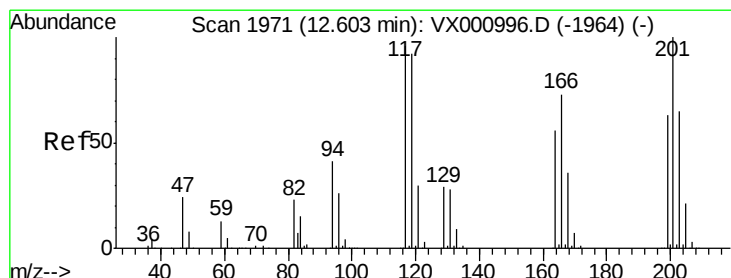
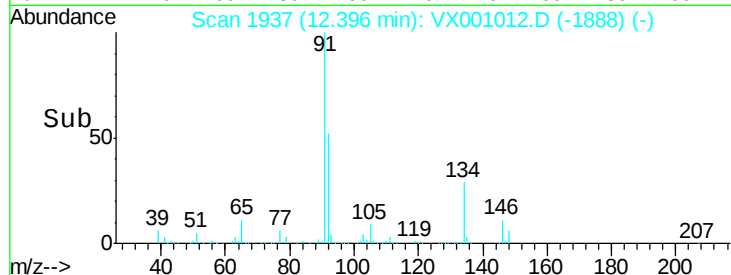
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#90

Hexachloroethane

Concen: 16.84 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX001012.D

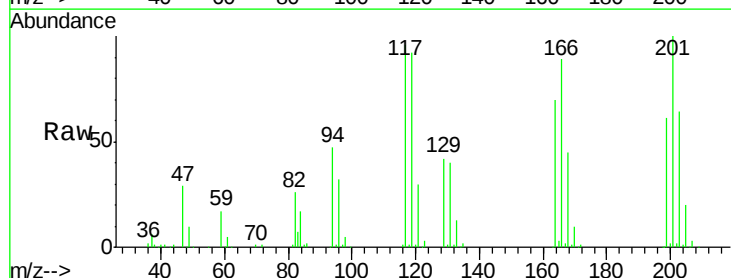
Acq: 20 Apr 2018 16:43

Tgt Ion: 117 Resp: 26282

Ion Ratio Lower Upper

117 100

201 103.3 52.3 157.1



Abundance Ion 116.80 (116.50 to 117.50): VX000996.D (-1964) (-)

Ion 200.70 (200.40 to 201.40): VX000996.D (-1964) (-)

12.60

25000

20000

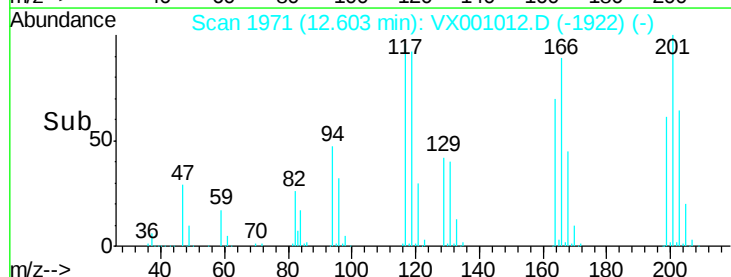
15000

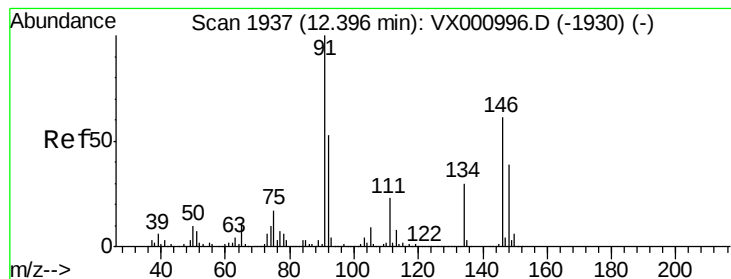
10000

5000

0

Time--> 12.55 12.60 12.65





#91

1,2-Dichlorobenzene

Concen: 17.00 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

Instrument :

MSVOA_X

ClientSampleId :

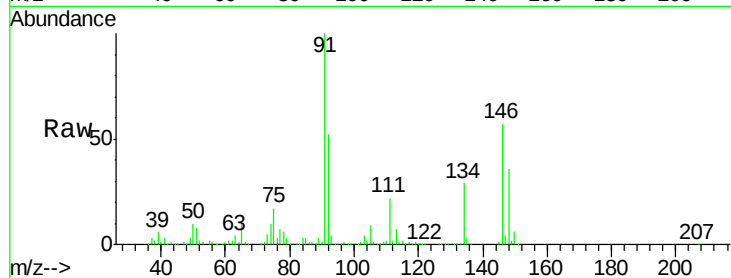
Tot Ion:146 Resp: 104374

Ion Ratio Lower Upper

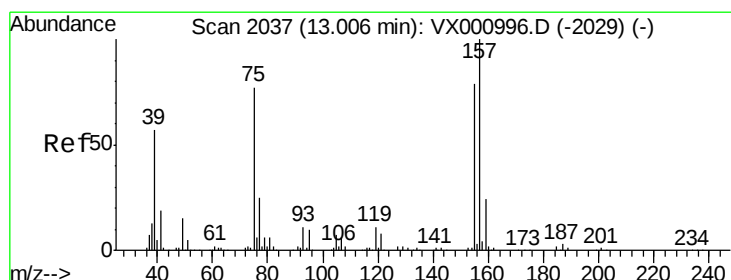
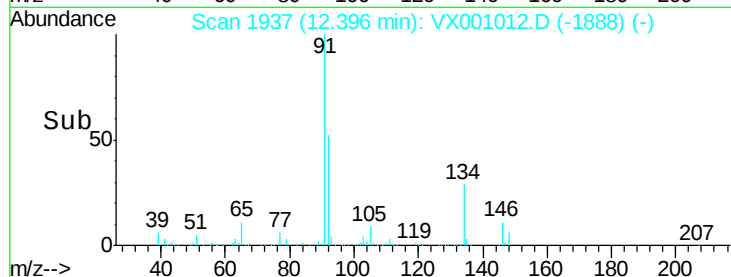
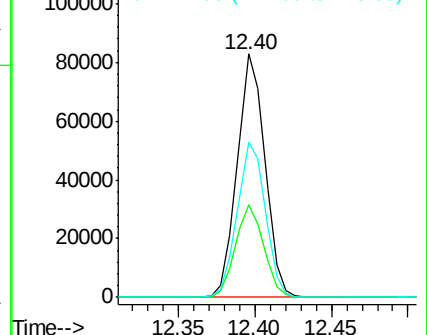
146 100

111 38.5 18.6 56.0

148 64.6 32.3 96.8



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.85 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX001012.D

Acq: 20 Apr 2018 16:43

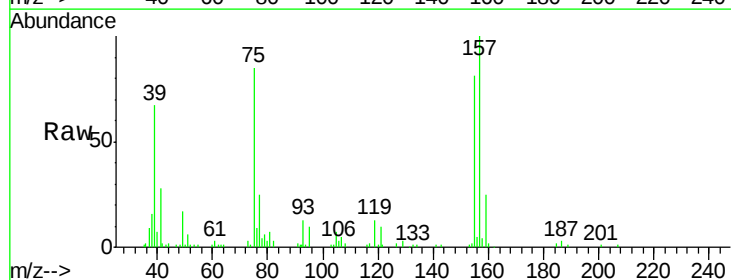
Tgt Ion: 75 Resp: 11661

Ion Ratio Lower Upper

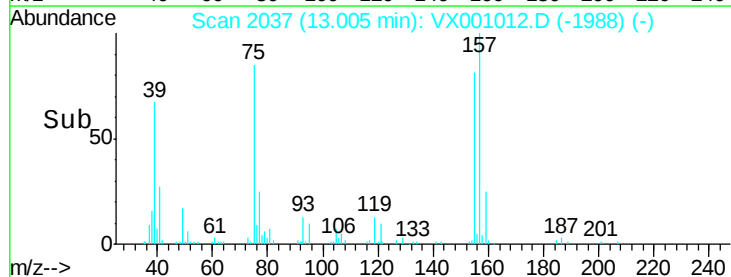
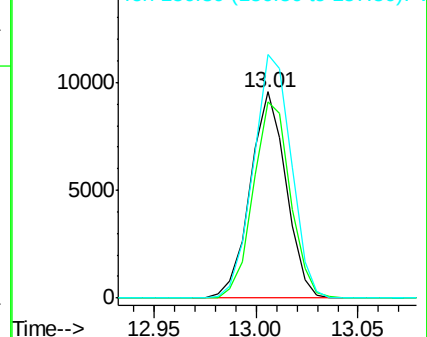
75 100

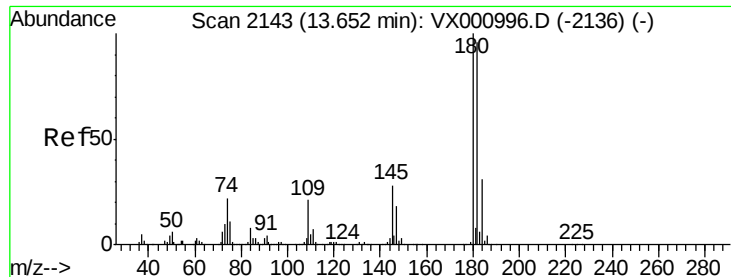
155 98.2 51.0 153.0

157 125.5 64.9 194.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

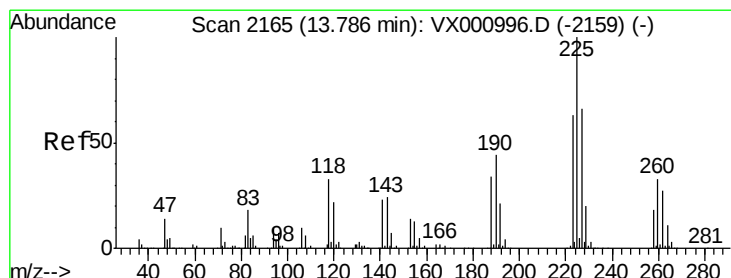
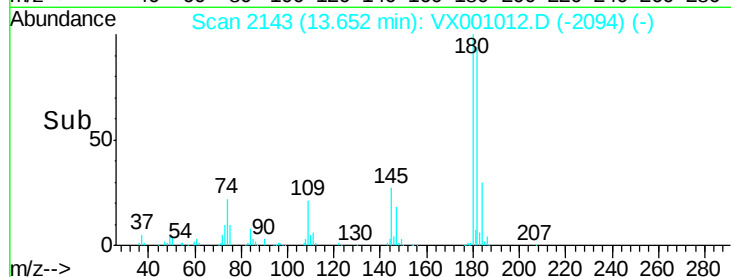
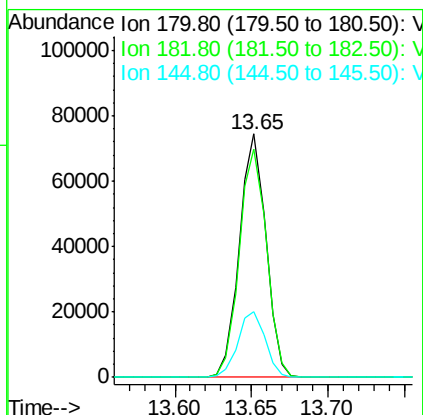
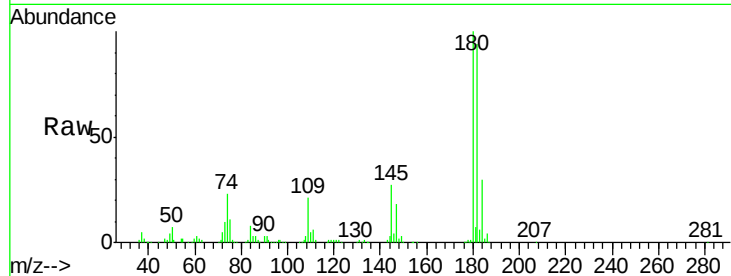




#93
 1,2,4-Trichlorobenzene
 Concen: 17.39 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001012.D
 Acq: 20 Apr 2018 16:43

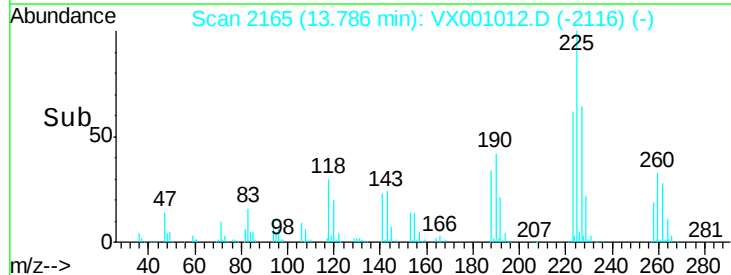
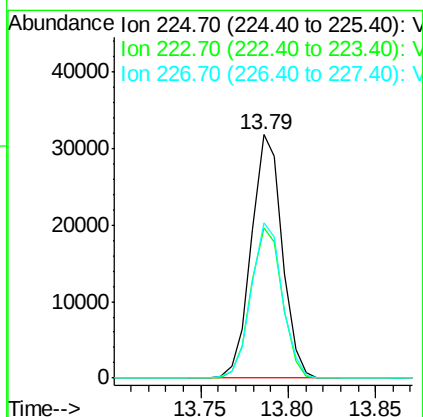
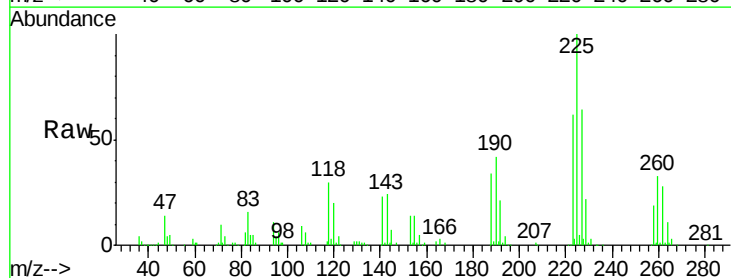
Instrument :
 MSVOA_X
 ClientSampleId :

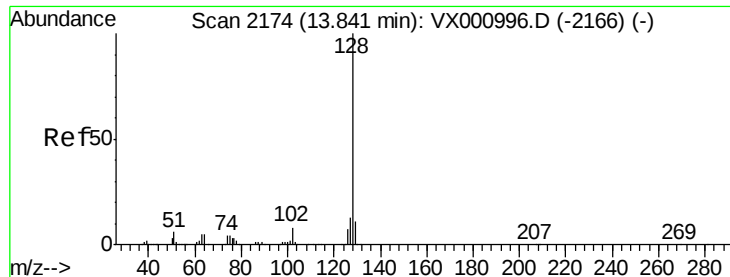
Tot Ion:180 Resp: 89615
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.0 144.0
 145 28.0 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 16.72 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001012.D
 Acq: 20 Apr 2018 16:43

Tgt Ion:225 Resp: 38978
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.5 94.5
 227 64.1 32.6 97.8

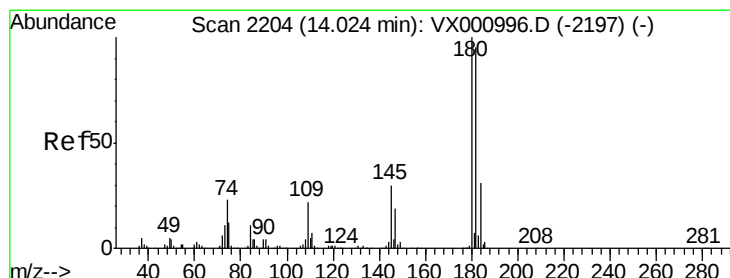
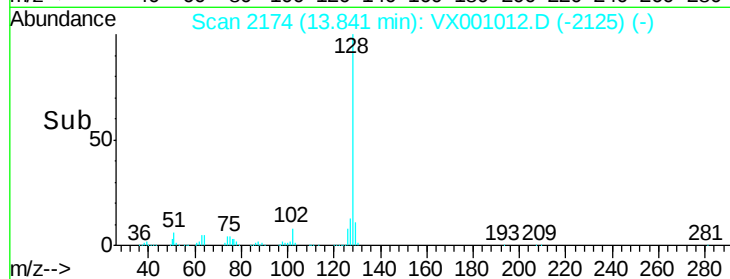
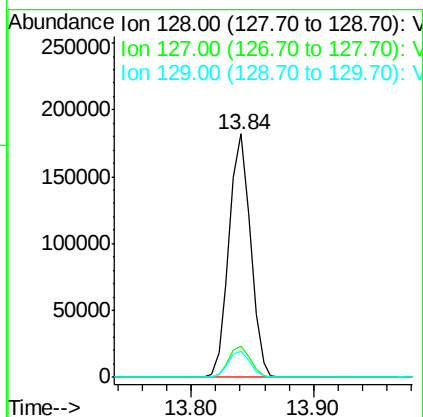
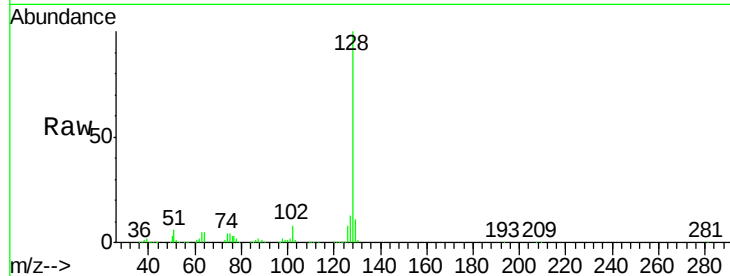




#95
Naphthalene
Concen: 17.46 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 221286
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 17.79 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX001012.D
Acq: 20 Apr 2018 16:43

Tgt Ion:180 Resp: 88662
Ion Ratio Lower Upper
180 100
182 95.7 47.9 143.7
145 28.6 14.5 43.6

