

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001916.D
 Acq On : 23 May 2018 01:52
 Operator : JC/MD
 Sample : VX0522WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 03:24:20 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	247782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	328325	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	277785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186191	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	173699	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
35) Dibromofluoromethane	5.51	113	148326	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
50) Toluene-d8	8.72	98	542431	54.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.32%	
62) 4-Bromofluorobenzene	11.14	95	176674	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	44240	17.79	ug/l	98
3) Chloromethane	1.32	50	53167	19.79	ug/l	98
4) Vinyl Chloride	1.40	62	55936	19.26	ug/l	99
5) Bromomethane	1.64	94	33549	25.92	ug/l	98
6) Chloroethane	1.73	64	37905	20.72	ug/l	97
7) Trichlorofluoromethane	1.93	101	85085	20.16	ug/l	99
8) Diethyl Ether	2.19	74	35938	20.69	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	49270	19.40	ug/l	98
10) Methyl Iodide	2.51	142	50890	21.77	ug/l	99
11) Tert butyl alcohol	3.08	59	82038	139.13	ug/l	99
12) 1,1-Dichloroethene	2.37	96	47449	19.37	ug/l	93
13) Acrolein	2.30	56	19043	45.54	ug/l	97
14) Allyl chloride	2.73	41	94147	20.80	ug/l	97
15) Acrylonitrile	3.15	53	174260	117.66	ug/l	99
16) Acetone	2.45	43	160607	123.12	ug/l	98
17) Carbon Disulfide	2.57	76	99413	15.56	ug/l	99
18) Methyl Acetate	2.78	43	102295	26.82	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	177320	21.48	ug/l	99
20) Methylene Chloride	2.86	84	57130	20.46	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	51920	19.24	ug/l	98
22) Diisopropyl ether	3.88	45	196561	22.63	ug/l	97
23) Vinyl Acetate	3.83	43	639313	102.18	ug/l	99
24) 1,1-Dichloroethane	3.70	63	103150	21.66	ug/l	99
25) 2-Butanone	4.71	43	260929	130.65	ug/l	98
26) 2,2-Dichloropropane	4.59	77	53908	14.06	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	63957	20.83	ug/l	97
28) Bromochloromethane	5.03	49	53466	25.27	ug/l	97
29) Tetrahydrofuran	5.18	42	167113	128.37	ug/l	97
30) Chloroform	5.22	83	112473	22.48	ug/l	99
31) Cyclohexane	5.58	56	82214	19.69	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	93697	21.67	ug/l	99
36) 1,1-Dichloropropene	5.81	75	74155	19.62	ug/l	98
37) Ethyl Acetate	4.87	43	93975	23.86	ug/l	100
38) Carbon Tetrachloride	5.79	117	82000	20.71	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	79625	18.03	ug/l	96
40) Benzene	6.15	78	239646	21.52	ug/l	100
41) Methacrylonitrile	5.07	41	53192	23.35	ug/l	99
42) 1,2-Dichloroethane	6.21	62	89074	22.12	ug/l	99
43) Isopropyl Acetate	6.48	43	140089	22.72	ug/l	99
44) Trichloroethene	7.22	130	72437	20.96	ug/l	96
45) 1,2-Dichloropropane	7.52	63	62100	22.73	ug/l	99
46) Dibromomethane	7.67	93	41211	21.48	ug/l	98
47) Bromodichloromethane	7.91	83	78230	21.97	ug/l	98
48) Methyl methacrylate	7.79	41	75431	23.25	ug/l	98
49) 1,4-Dioxane	7.76	88	33538	536.80	ug/l	95
51) 4-Methyl-2-Pentanone	8.66	43	503054	128.76	ug/l	98
52) Toluene	8.79	92	154604	21.61	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	85652	20.45	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	75077	20.33	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	59583	21.78	ug/l	99
56) Ethyl methacrylate	9.19	69	81267	20.95	ug/l	99
57) 1,3-Dichloropropane	9.38	76	96682	21.11	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	237173	118.87	ug/l	100
59) 2-Hexanone	9.51	43	339341	121.34	ug/l	99
60) Dibromochloromethane	9.59	129	59606	21.28	ug/l	99
61) 1,2-Dibromoethane	9.68	107	60462	21.12	ug/l	99
64) Tetrachloroethene	9.34	164	78284	21.65	ug/l	99
65) Chlorobenzene	10.14	112	160207	20.97	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	59161	21.92	ug/l	100
67) Ethyl Benzene	10.26	91	251517	20.60	ug/l	100
68) m/p-Xylenes	10.37	106	203750	42.29	ug/l	99
69) o-Xylene	10.70	106	97442	21.12	ug/l	98
70) Styrene	10.72	104	165547	21.75	ug/l	100
71) Bromoform	10.86	173	47273	20.65	ug/l #	98
73) Isopropylbenzene	11.02	105	268005	21.86	ug/l	100
74) N-amyl acetate	6.48	43	140089	23.83	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	85172	23.16	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	93466	26.40	ug/l	92
77) Bromobenzene	11.26	156	78282	21.73	ug/l	99
78) n-propylbenzene	11.37	91	293630	21.26	ug/l	100
79) 2-Chlorotoluene	11.43	91	179595	21.74	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	221005	21.97	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	18721	18.02	ug/l	89
82) 4-Chlorotoluene	11.52	91	207750	21.34	ug/l	100
83) tert-Butylbenzene	11.77	119	213536	21.33	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	230380	22.12	ug/l	99
85) sec-Butylbenzene	11.95	105	267524	21.65	ug/l	100
86) p-Isopropyltoluene	12.07	119	245310	21.45	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	140250	21.05	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	141906	20.60	ug/l	99
89) n-Butylbenzene	12.40	91	196557	19.88	ug/l	99
90) Hexachloroethane	12.60	117	38713	21.80	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	141647	21.34	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	18966	24.16	ug/l	98

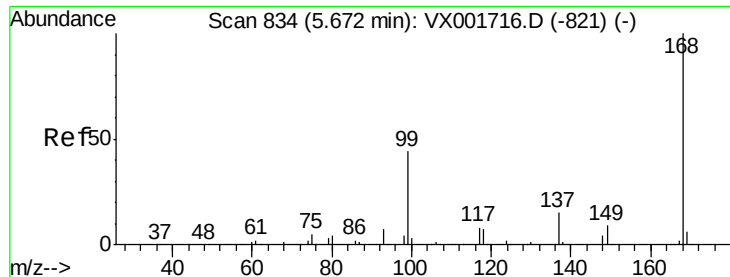
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	106771	20.18	ug/l	100
94) Hexachlorobutadiene	13.79	225	57476	20.23	ug/l	99
95) Naphthalene	13.84	128	298588	21.71	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	111846	20.99	ug/l	99

(#) = 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: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

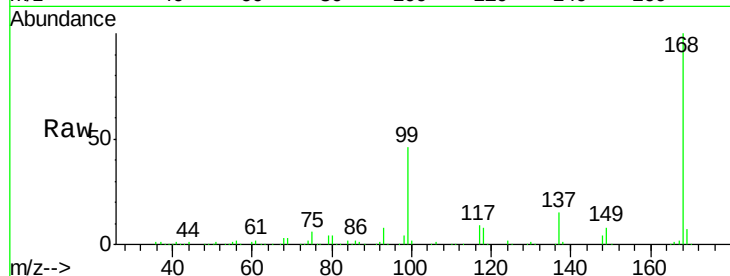
ClientSampleId :

Tot Ion:168 Resp: 247782

Ion Ratio Lower Upper

168 100

99 45.8 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

40000

20000

0

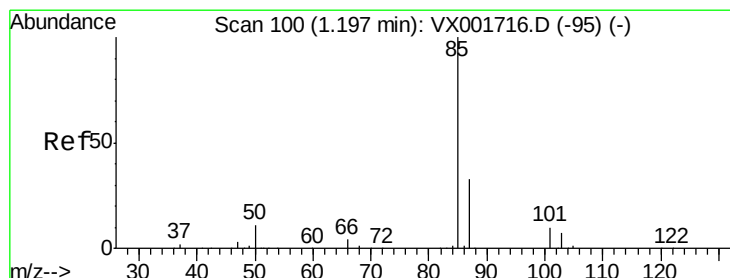
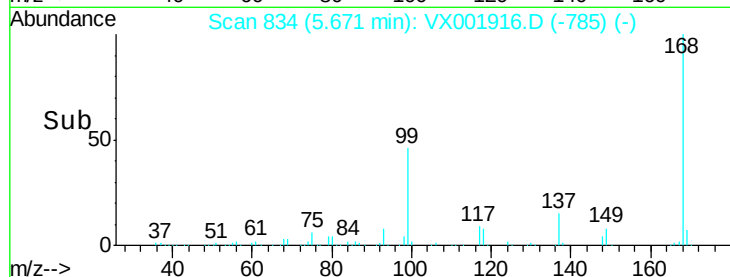
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 17.79 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001916.D

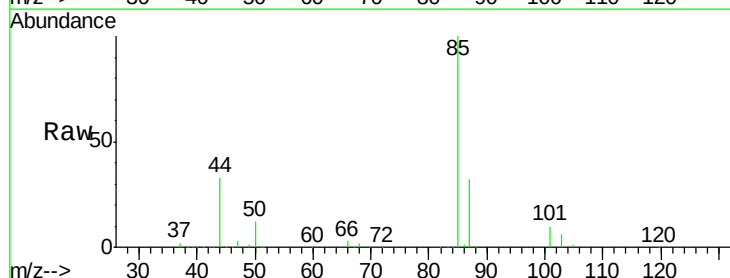
Acq: 23 May 2018 01:52

Tgt Ion: 85 Resp: 44240

Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

30000

20000

10000

0

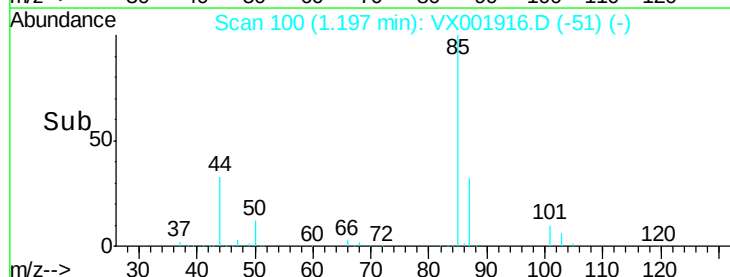
Time-->

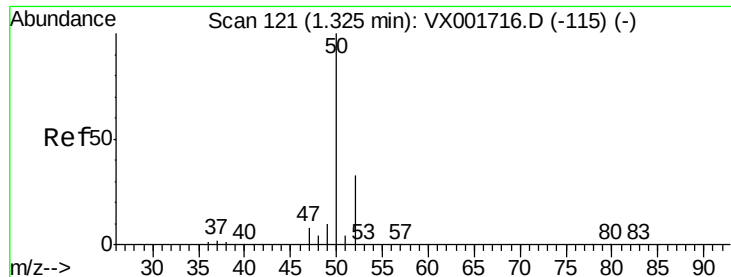
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 19.79 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

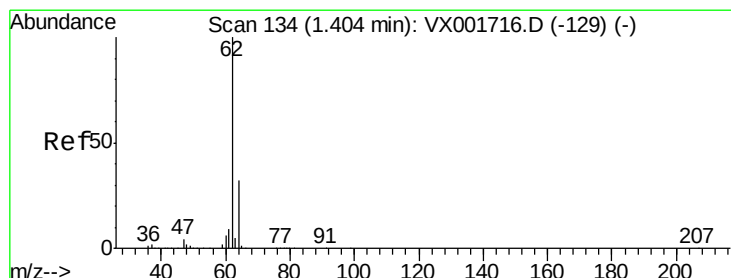
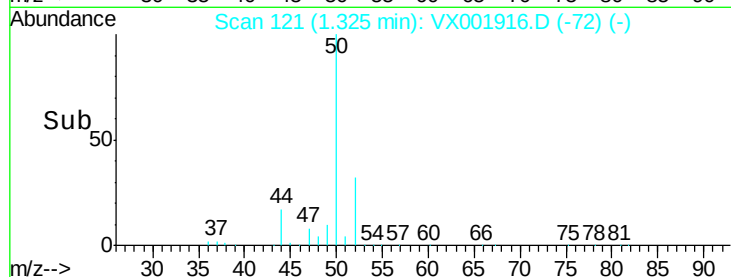
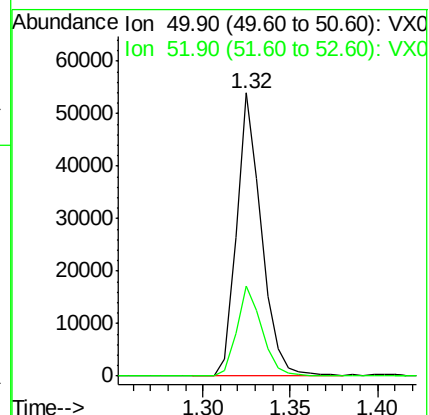
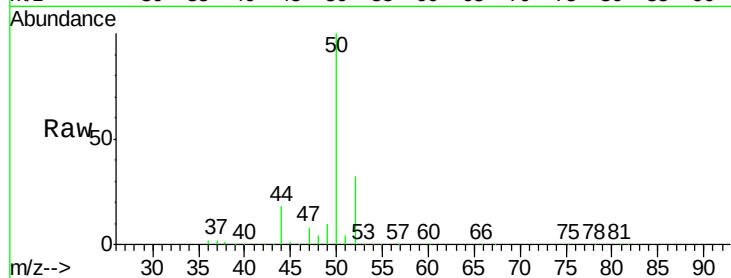
ClientSampled :

Tot Ion: 50 Resp: 53167

Ion Ratio Lower Upper

50 100

52 31.8 26.3 39.5



#4

Vinyl Chloride

Concen: 19.26 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001916.D

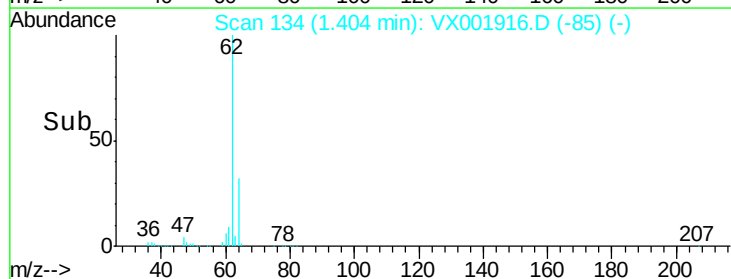
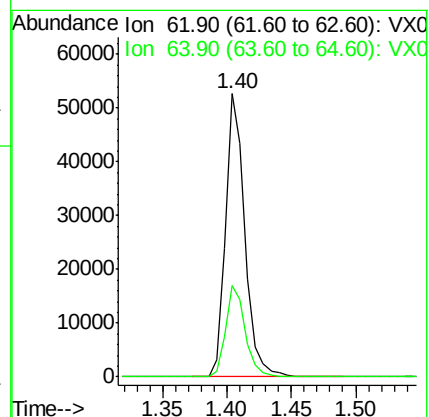
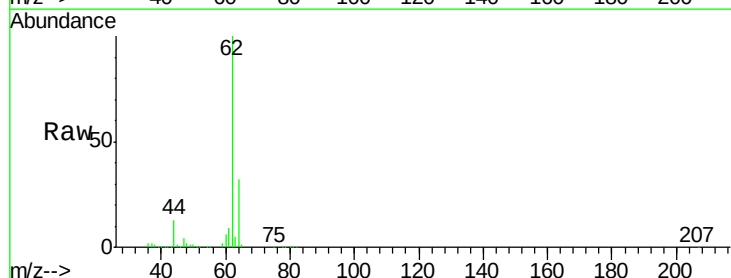
Acq: 23 May 2018 01:52

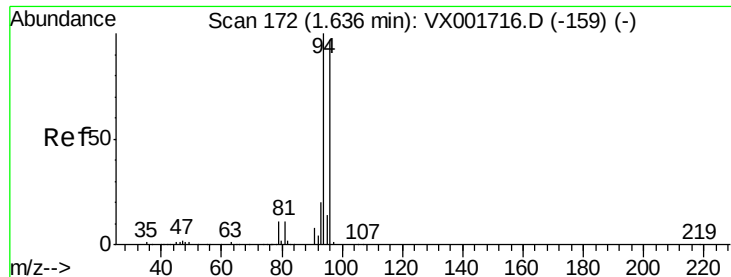
Tgt Ion: 62 Resp: 55936

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4





#5

Bromomethane

Concen: 25.92 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

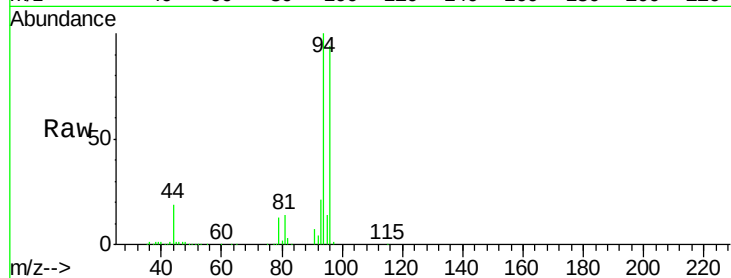
ClientSampleId :

Tot Ion: 94 Resp: 33549

Ion Ratio Lower Upper

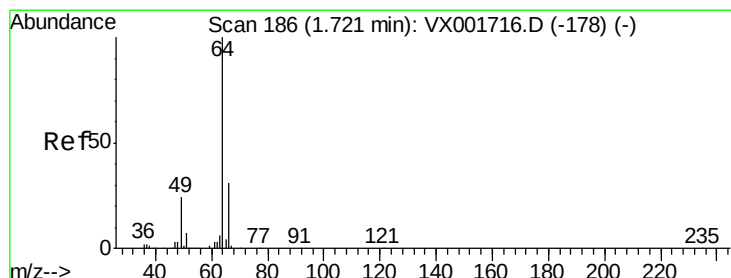
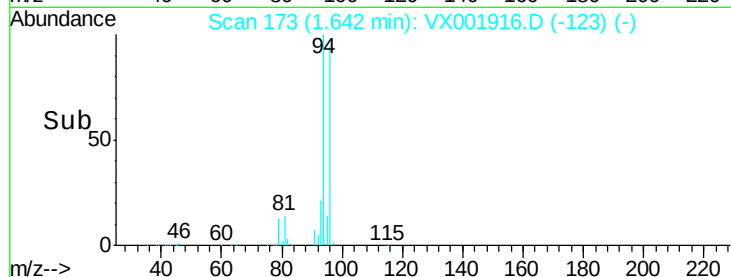
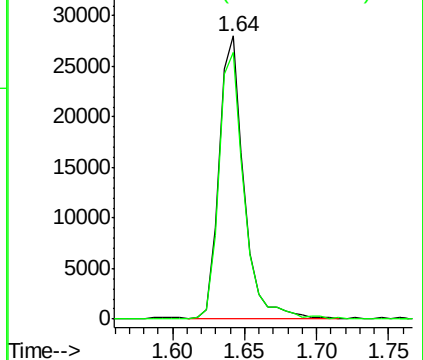
94 100

96 94.3 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.72 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001916.D

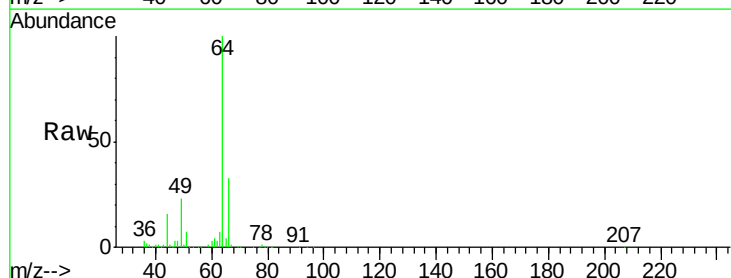
Acq: 23 May 2018 01:52

Tgt Ion: 64 Resp: 37905

Ion Ratio Lower Upper

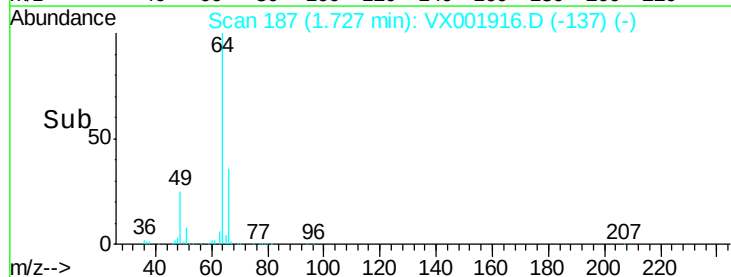
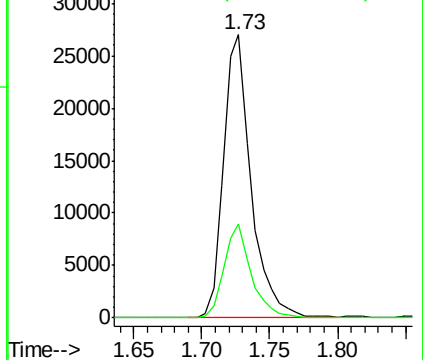
64 100

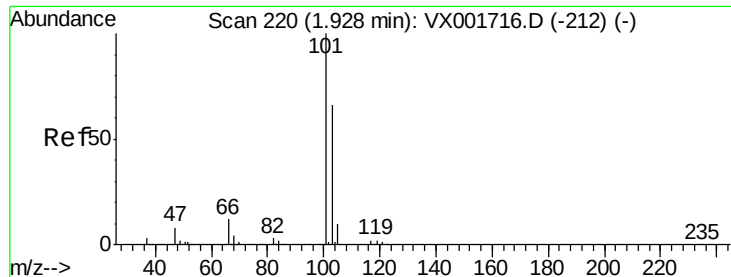
66 33.2 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



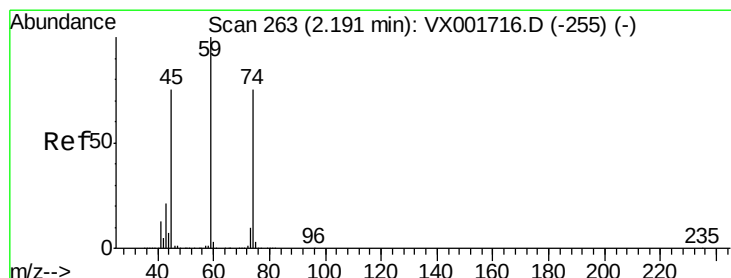
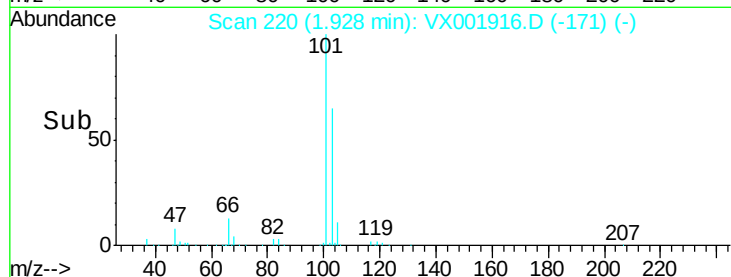
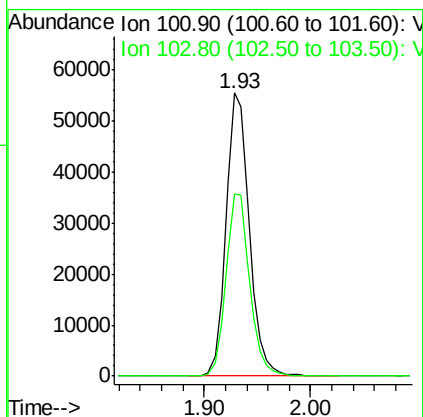
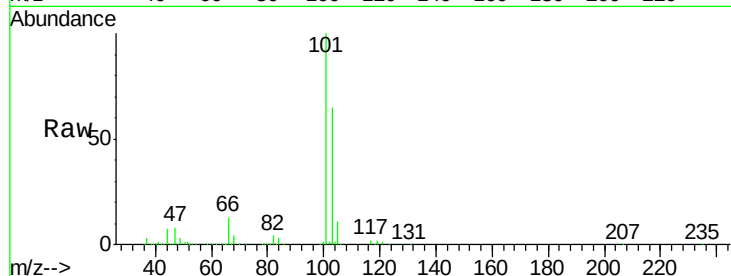


#7

Trichlorofluoromethane
 Concen: 20.16 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

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 MSVOA_X
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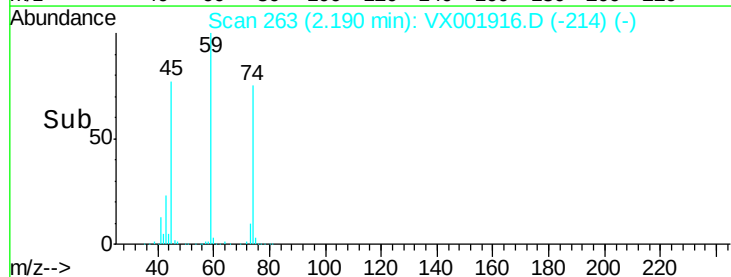
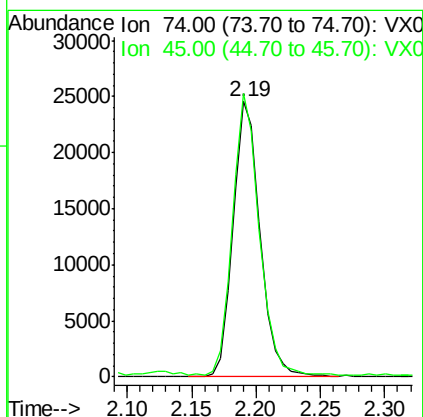
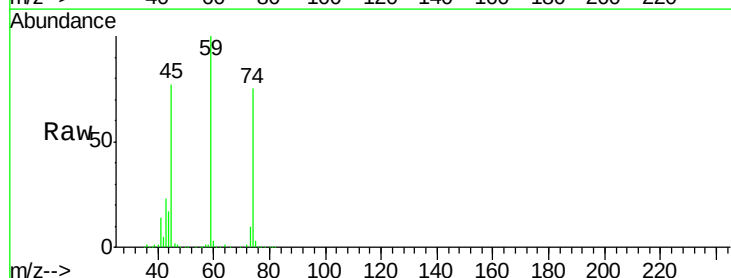
Tot Ion:101 Resp: 85085
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.6 78.8

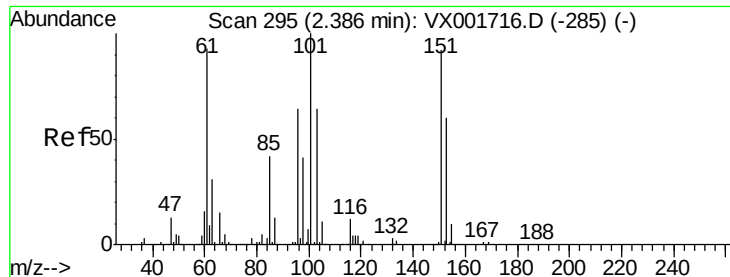


#8

Diethyl Ether
 Concen: 20.69 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Tgt Ion: 74 Resp: 35938
 Ion Ratio Lower Upper
 74 100
 45 100.3 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.40 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

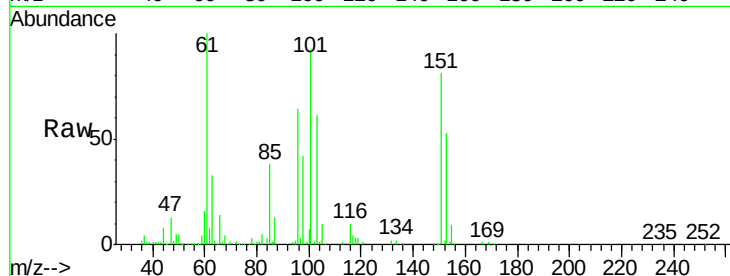
Tot Ion:101 Resp: 49270

Ion Ratio Lower Upper

101 100

85 41.2 33.7 50.5

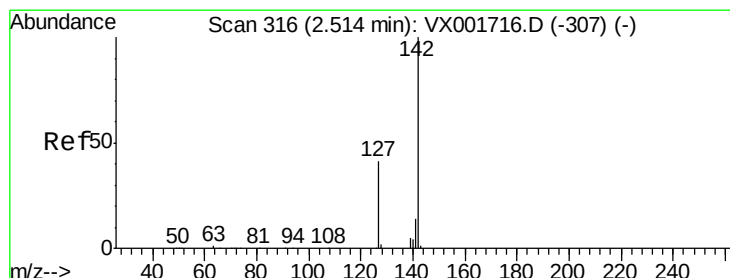
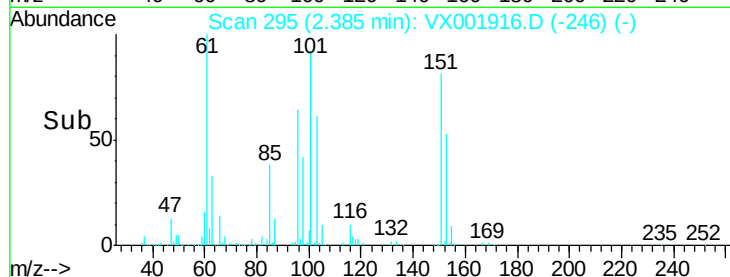
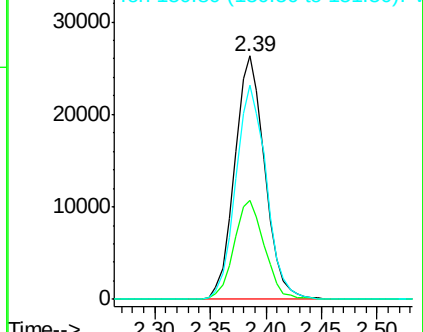
151 89.4 73.0 109.6



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: 21.77 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

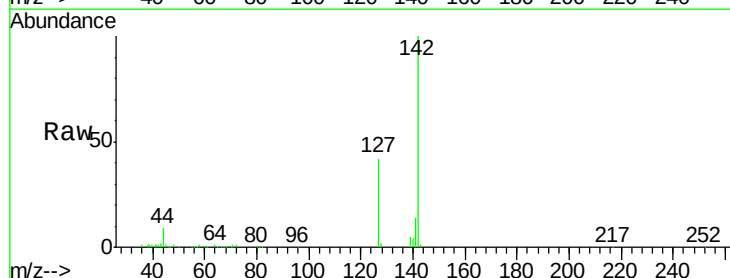
Tgt Ion:142 Resp: 50890

Ion Ratio Lower Upper

142 100

127 41.2 32.5 48.7

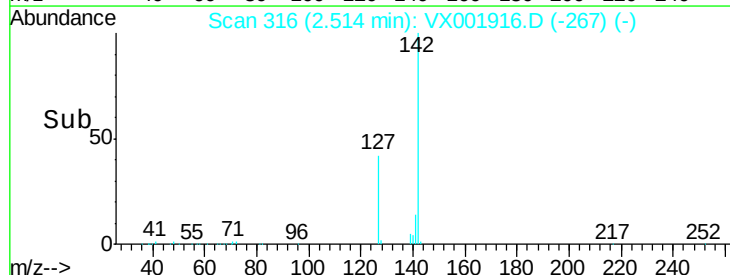
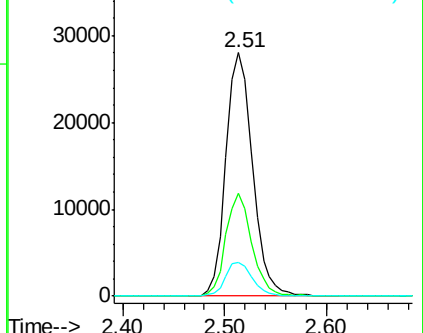
141 14.1 11.4 17.0

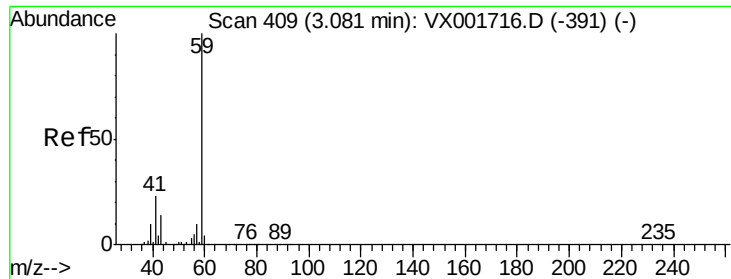


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

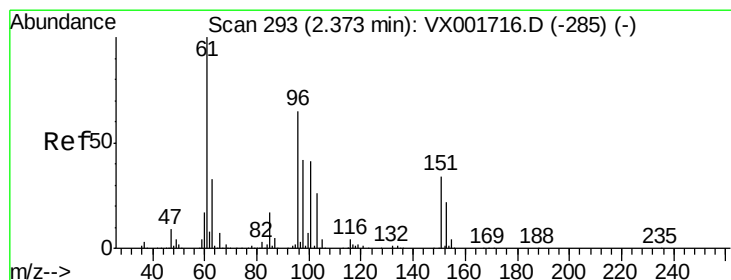
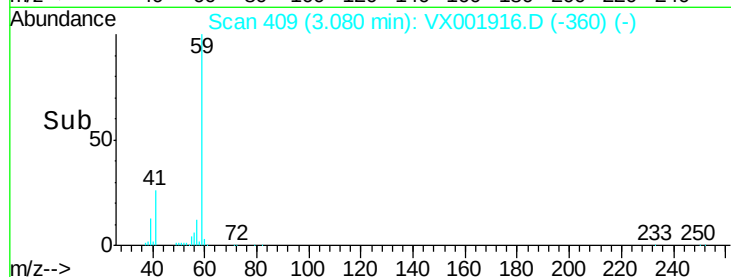
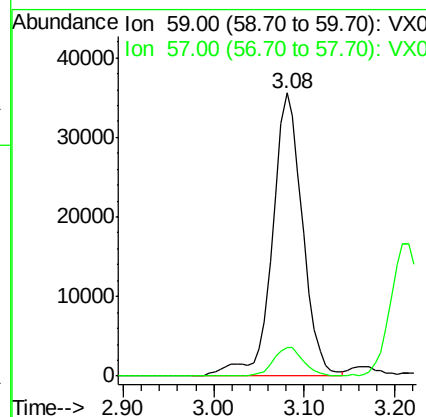
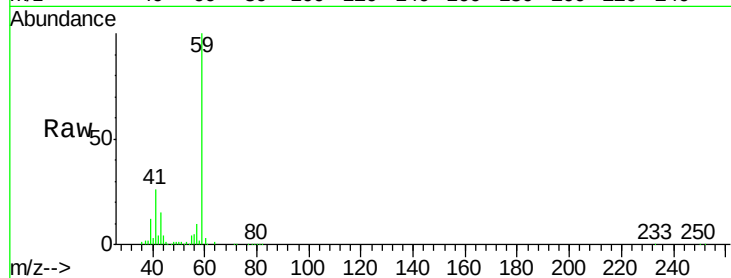




#11
Tert butyl alcohol
Concen: 139.13 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

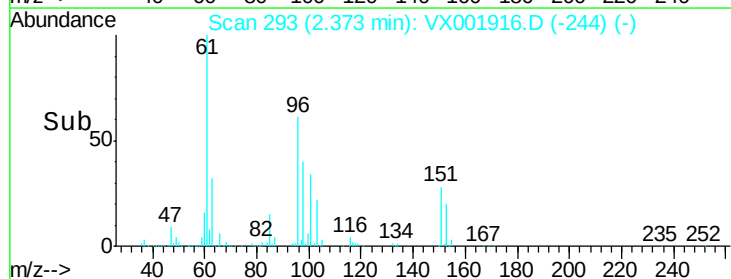
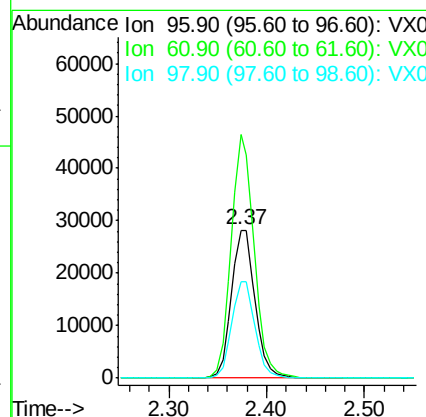
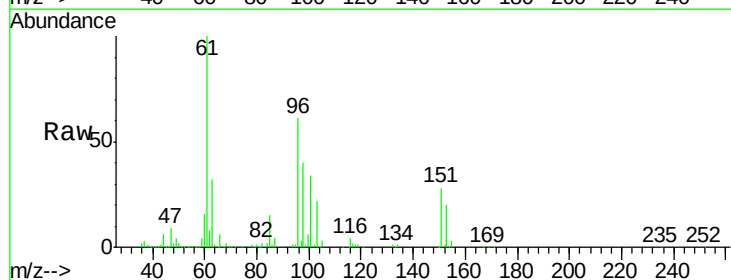
Instrument :
MSVOA_X
ClientSampleId :

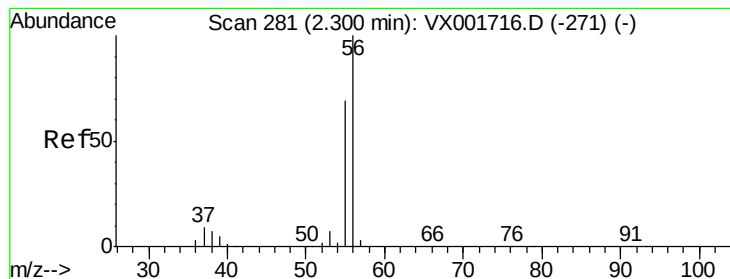
Tot Ion: 59 Resp: 82038
Ion Ratio Lower Upper
59 100
57 10.3 8.5 12.7



#12
1,1-Dichloroethene
Concen: 19.37 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion: 96 Resp: 47449
Ion Ratio Lower Upper
96 100
61 164.7 122.2 183.2
98 65.6 51.4 77.0





#13

Acrolein

Concen: 45.54 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

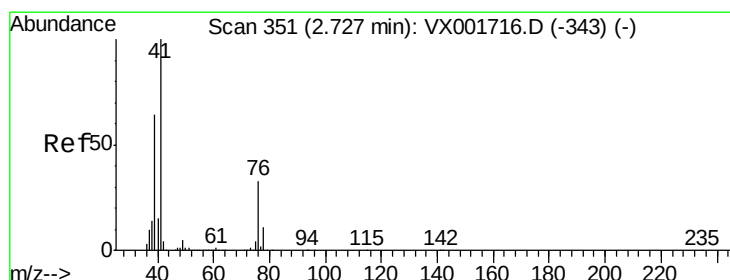
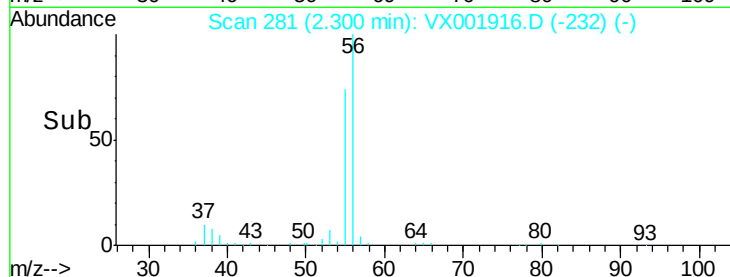
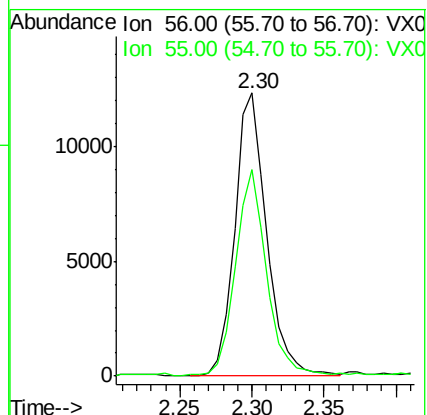
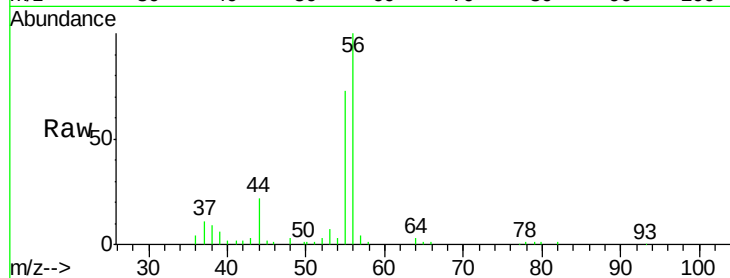
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 19043

Ion Ratio Lower Upper

56 100

55 72.3 56.2 84.2



#14

Allyl chloride

Concen: 20.80 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

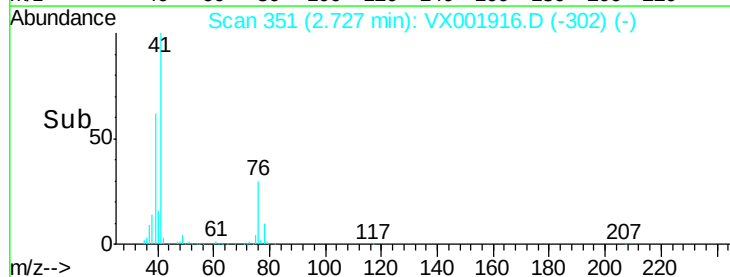
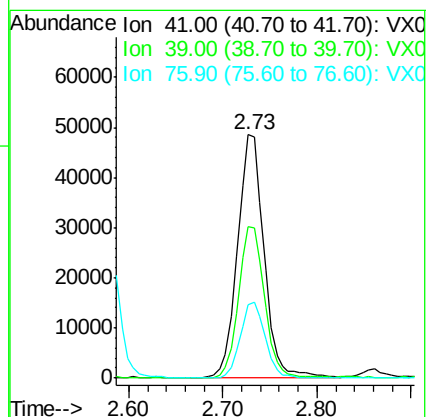
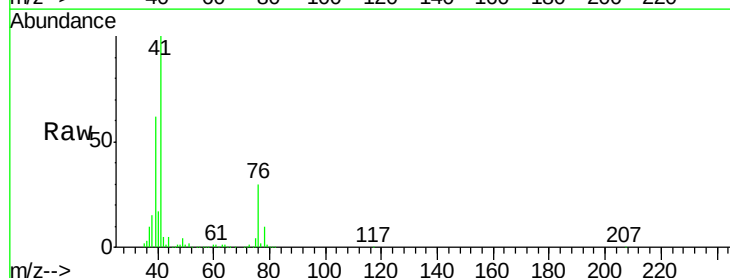
Tgt Ion: 41 Resp: 94147

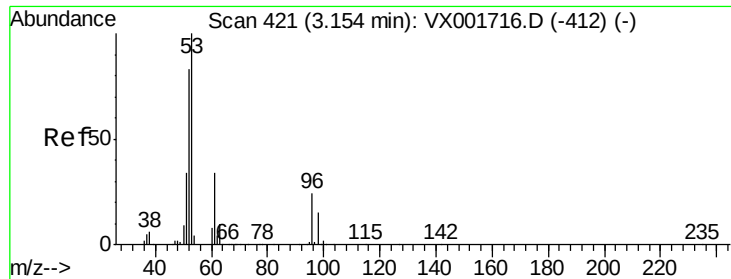
Ion Ratio Lower Upper

41 100

39 60.6 49.8 74.6

76 29.7 25.8 38.8





#15

Acrylonitrile

Concen: 117.66 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

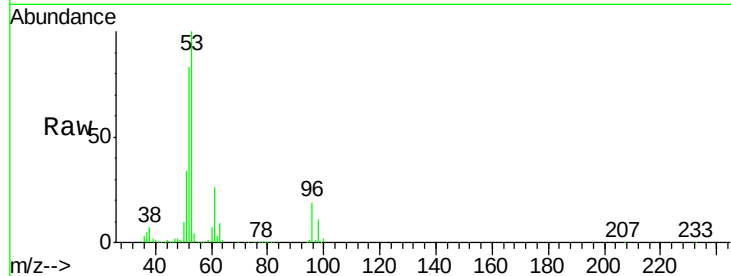
Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 53 Resp: 174260

Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.6	98.4
51	35.9	28.1	42.1

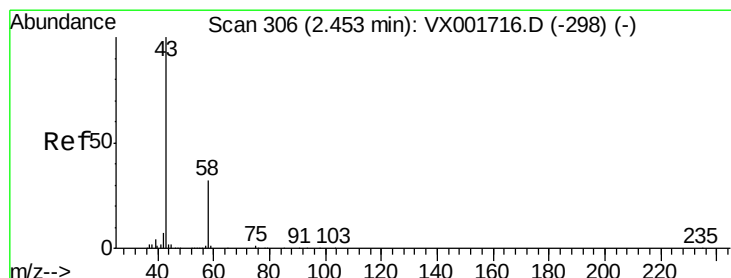
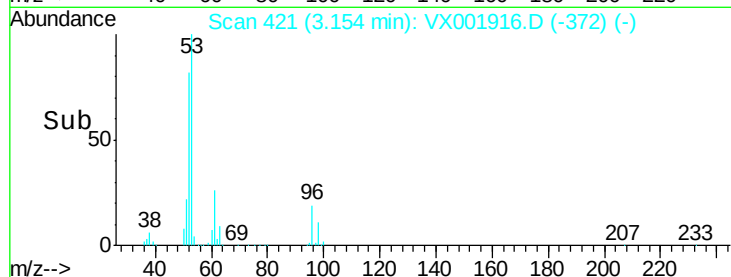
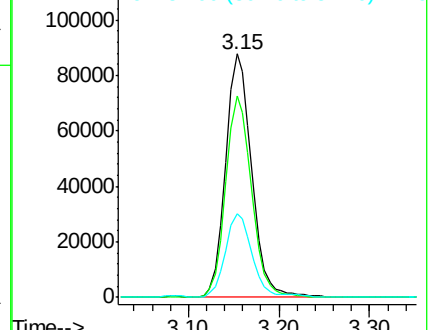


Abundance

Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 123.12 ug/l

RT: 2.45 min Scan# 306

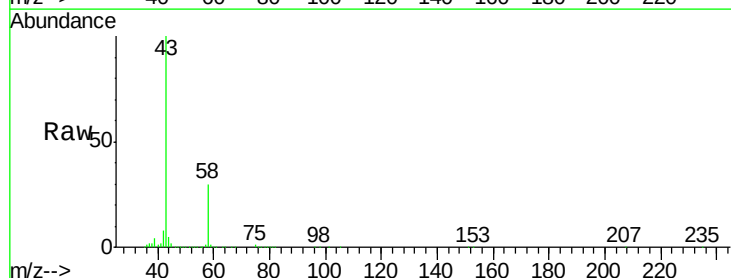
Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Tgt Ion: 43 Resp: 160607

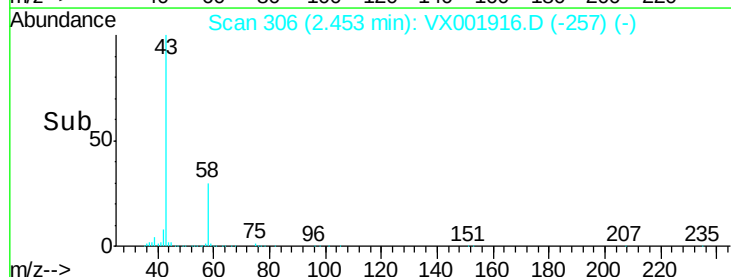
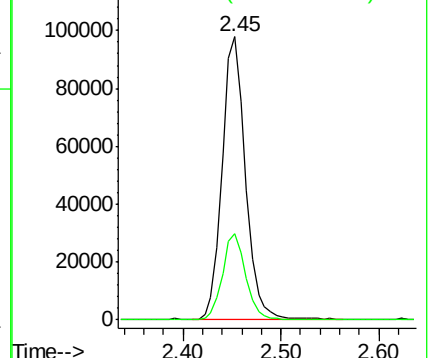
Ion	Ratio	Lower	Upper
43	100		
58	30.5	25.3	37.9

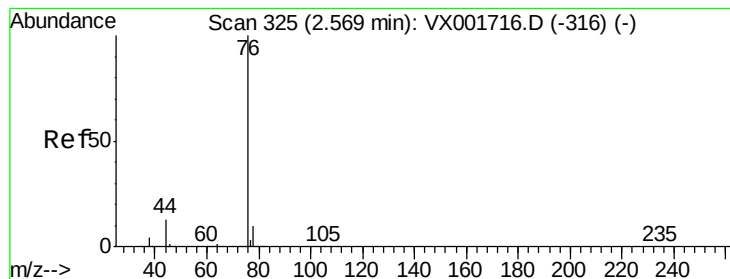


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 15.56 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

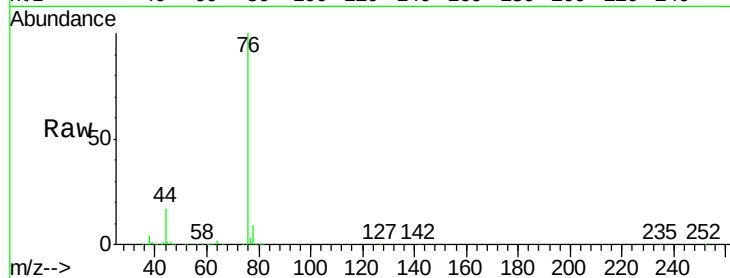
ClientSampleId :

Tot Ion: 76 Resp: 99413

Ion Ratio Lower Upper

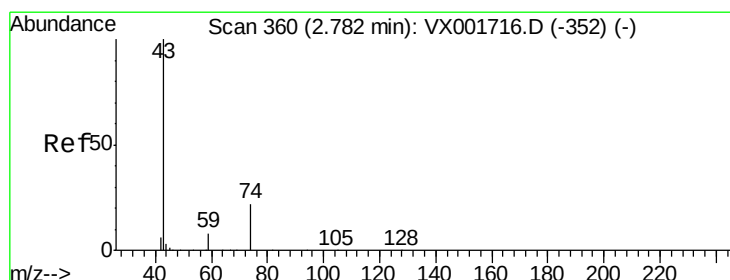
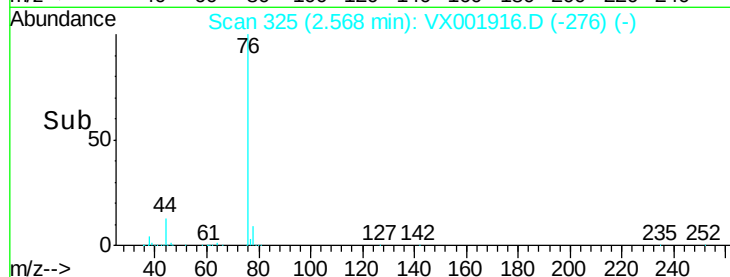
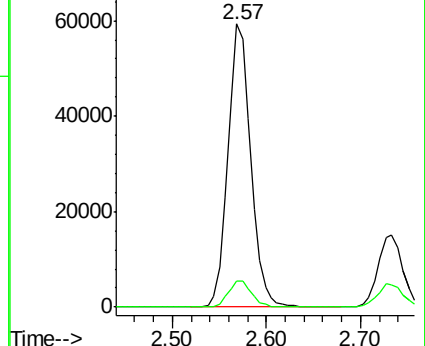
76 100

78 9.1 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 26.82 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001916.D

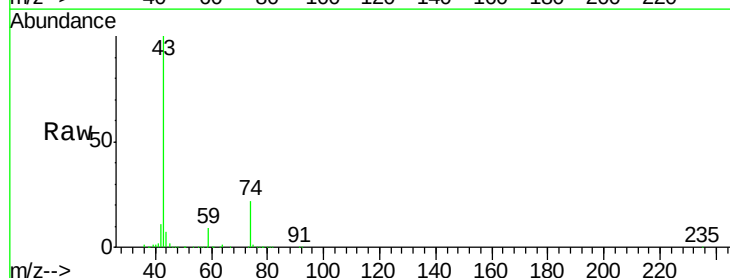
Acq: 23 May 2018 01:52

Tgt Ion: 43 Resp: 102295

Ion Ratio Lower Upper

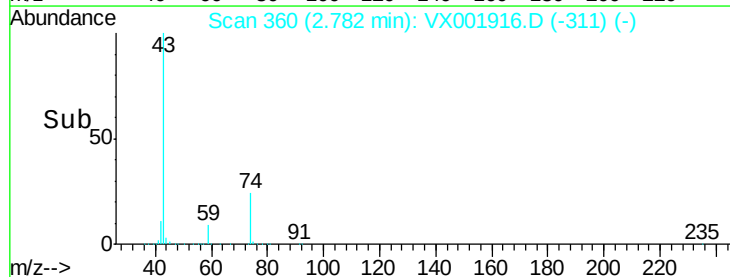
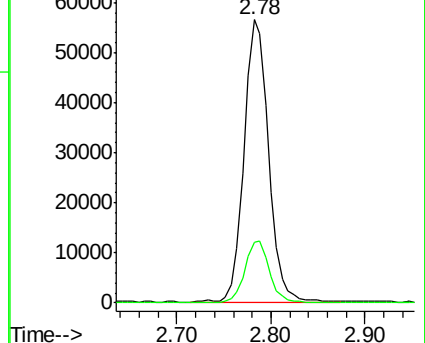
43 100

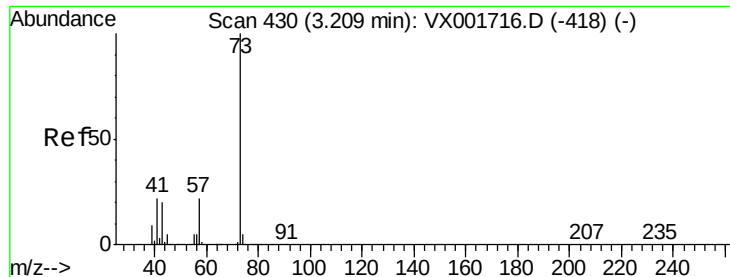
74 22.4 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



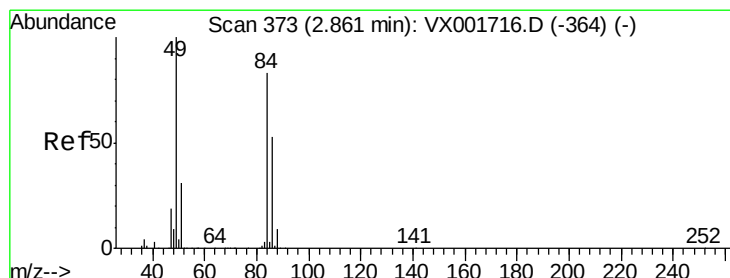
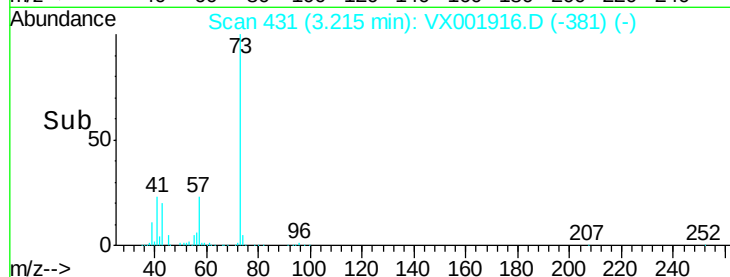
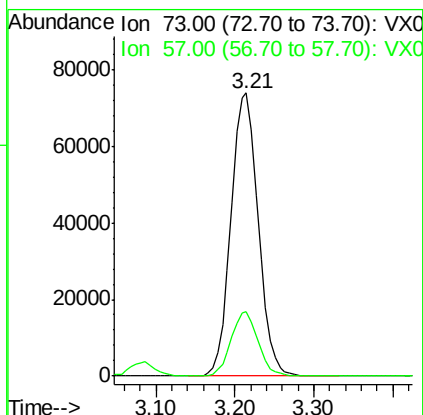
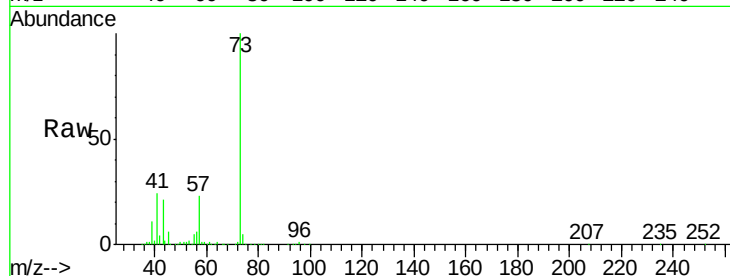


#19

Methyl tert-butyl Ether
 Concen: 21.48 ug/l
 RT: 3.21 min Scan# 431
 Delta R.T. 0.01 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Instrument :
 MSVOA_X
 ClientSampled :

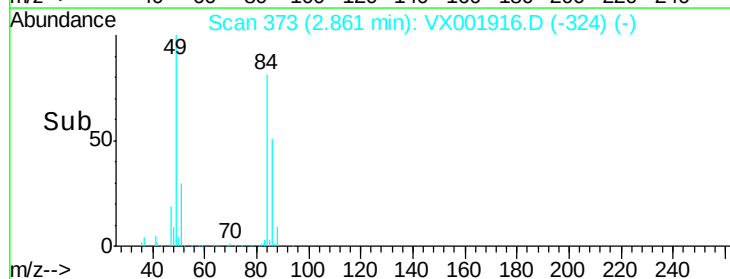
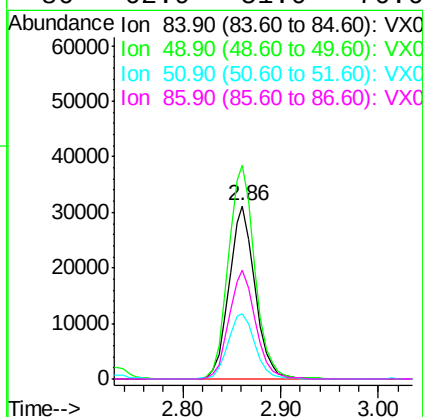
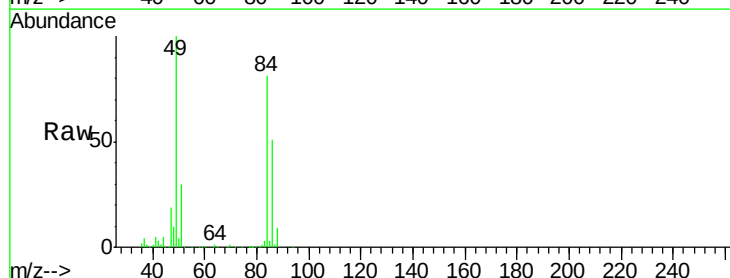
Tot Ion: 73 Resp: 177320
 Ion Ratio Lower Upper
 73 100
 57 22.6 17.5 26.3

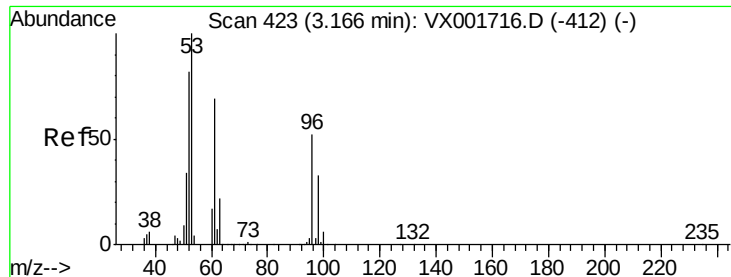


#20

Methylene Chloride
 Concen: 20.46 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Tgt Ion: 84 Resp: 57130
 Ion Ratio Lower Upper
 84 100
 49 123.1 96.3 144.5
 51 37.3 29.8 44.6
 86 62.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.24 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

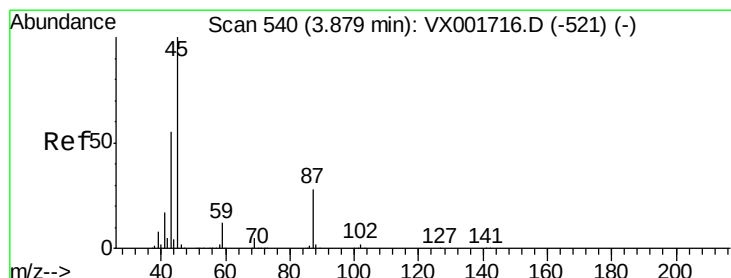
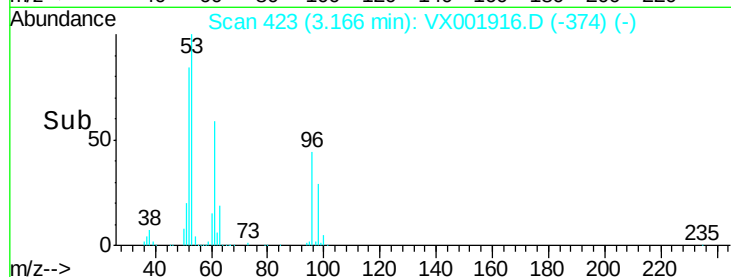
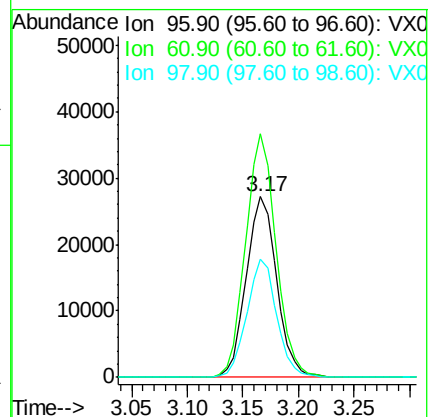
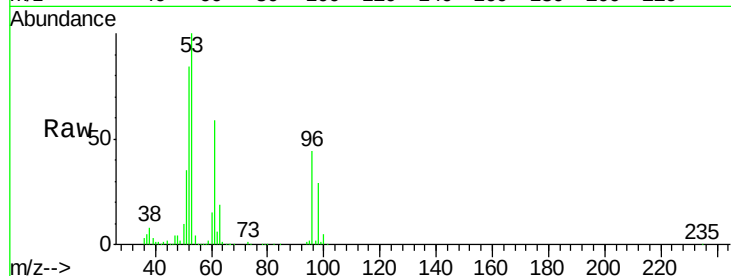
Tot Ion: 96 Resp: 51920

Ion Ratio Lower Upper

96 100

61 134.5 105.8 158.8

98 65.3 50.2 75.4



#22

Diisopropyl ether

Concen: 22.63 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Tgt Ion: 45 Resp: 196561

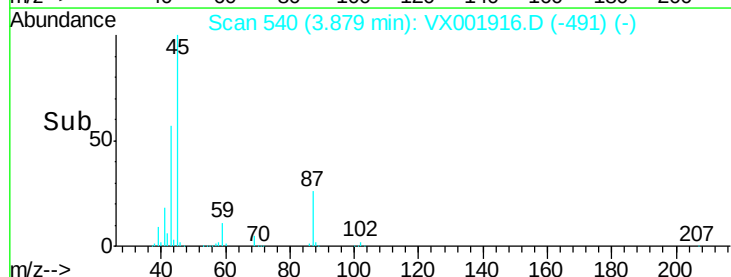
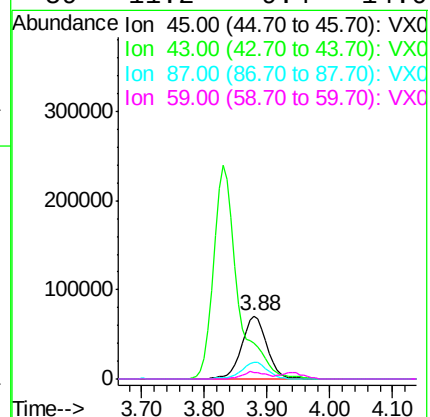
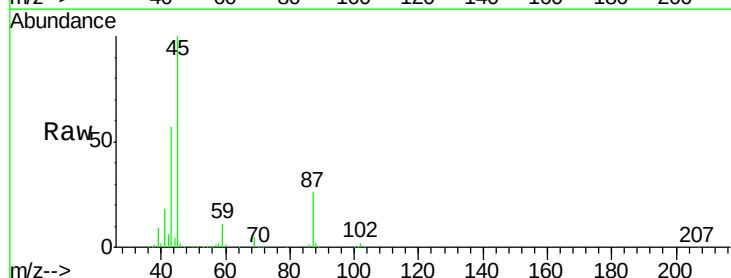
Ion Ratio Lower Upper

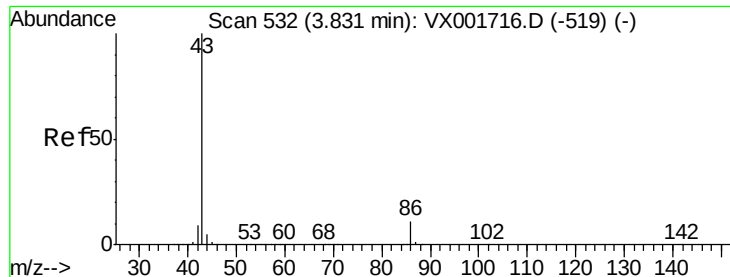
45 100

43 56.7 44.3 66.5

87 25.5 22.6 33.8

59 11.2 9.4 14.0





#23

Vinyl Acetate

Concen: 102.18 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

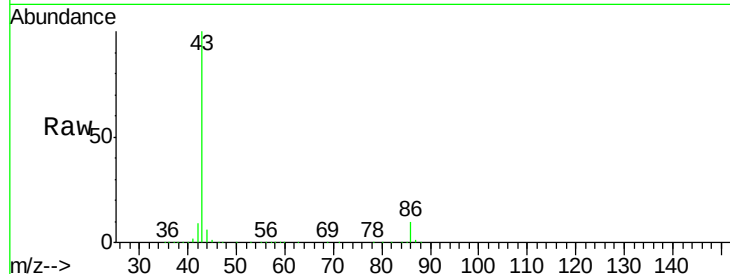
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 639313

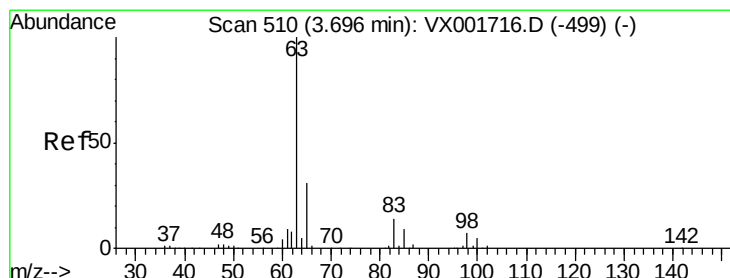
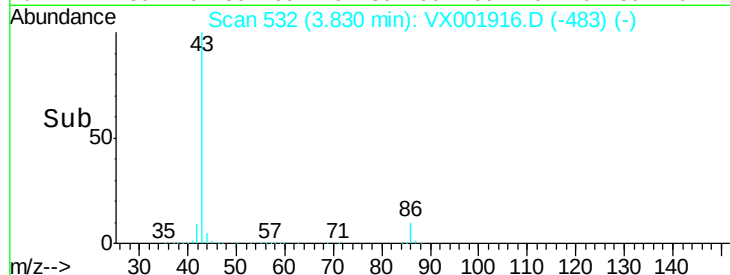
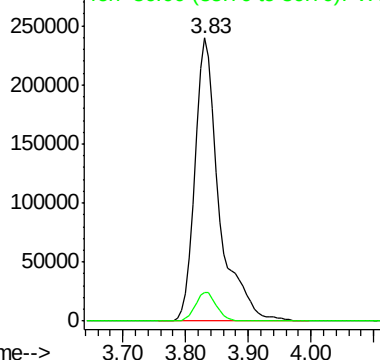
Ion Ratio Lower Upper

43 100

86 10.4 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 21.66 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

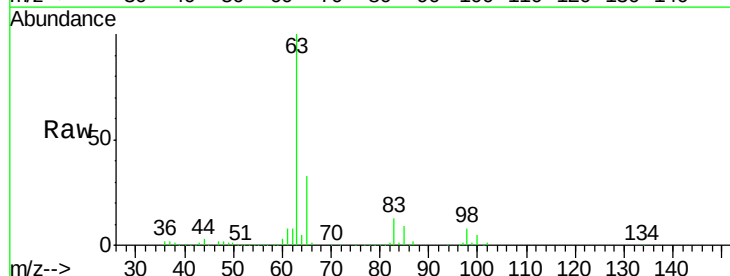
Tgt Ion: 63 Resp: 103150

Ion Ratio Lower Upper

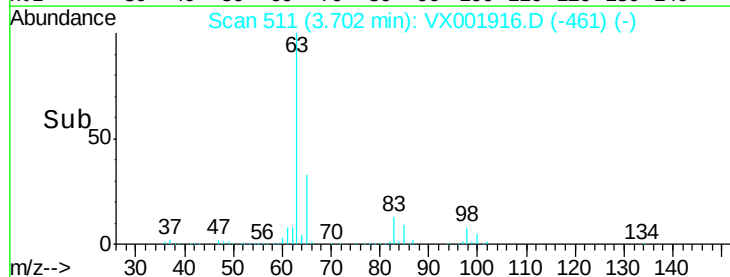
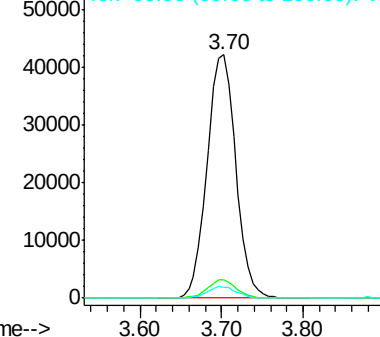
63 100

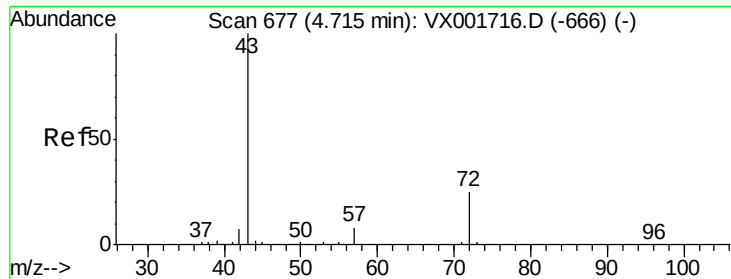
98 7.6 3.7 11.1

100 4.6 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 130.65 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

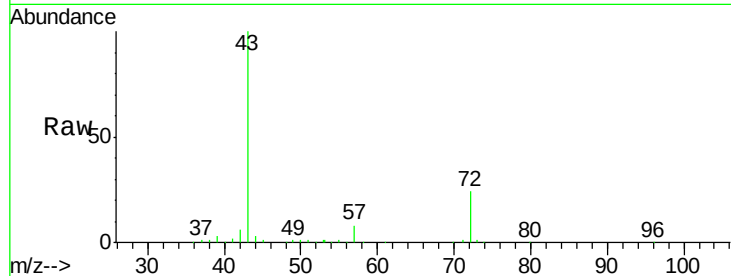
ClientSampled :

Tot Ion: 43 Resp: 260929

Ion Ratio Lower Upper

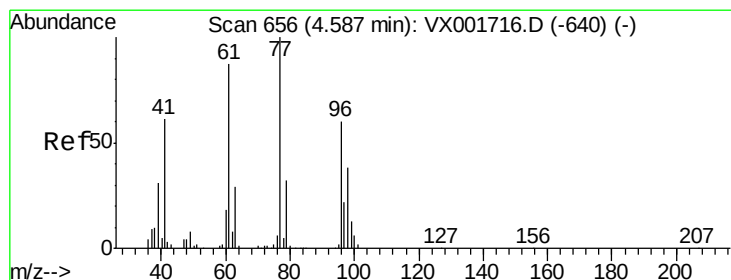
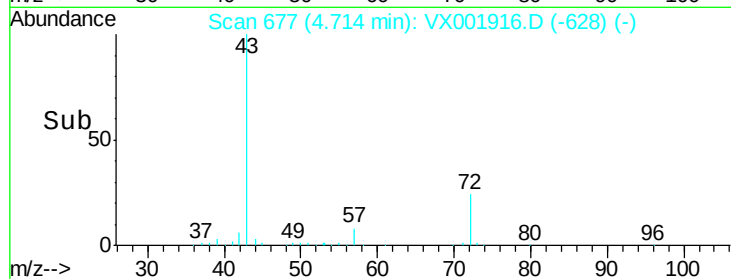
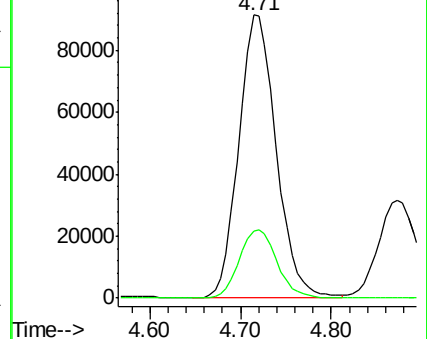
43 100

72 23.6 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 14.06 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX001916.D

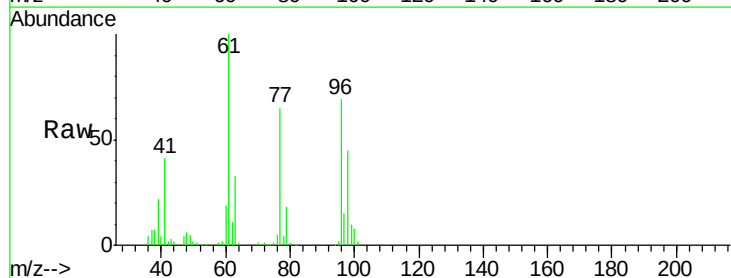
Acq: 23 May 2018 01:52

Tgt Ion: 77 Resp: 53908

Ion Ratio Lower Upper

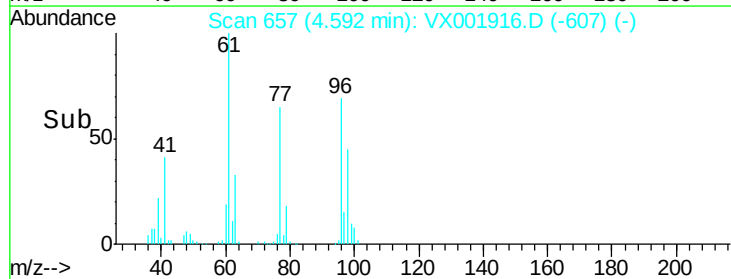
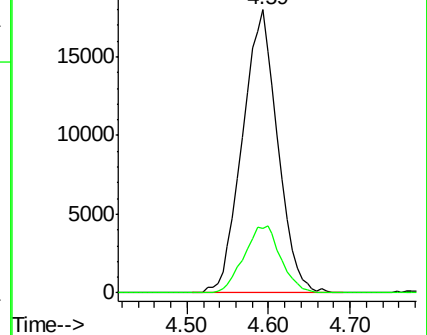
77 100

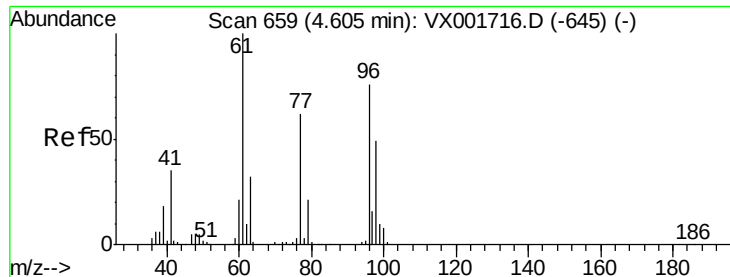
97 24.7 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 20.83 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

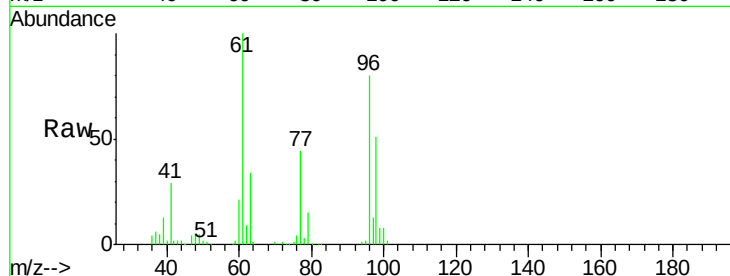
Tot Ion: 96 Resp: 63957

Ion Ratio Lower Upper

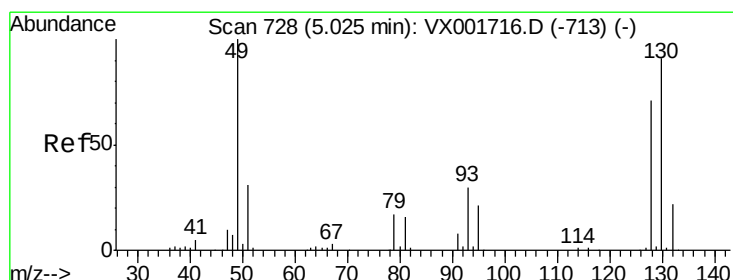
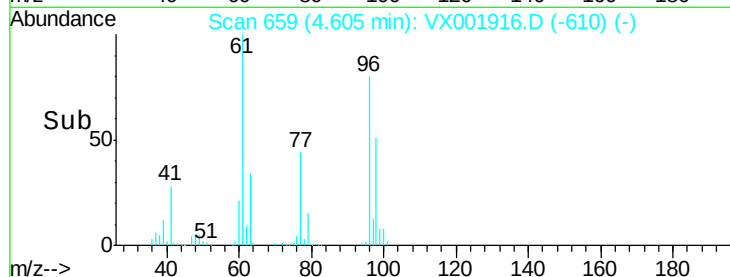
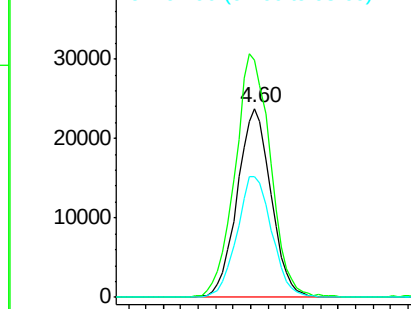
96 100

61 136.1 0.0 280.4

98 65.8 0.0 128.4



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: 25.27 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

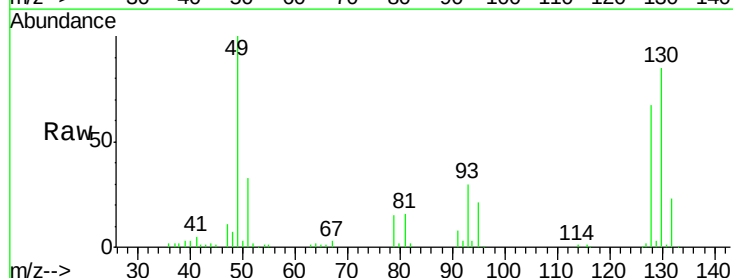
Tgt Ion: 49 Resp: 53466

Ion Ratio Lower Upper

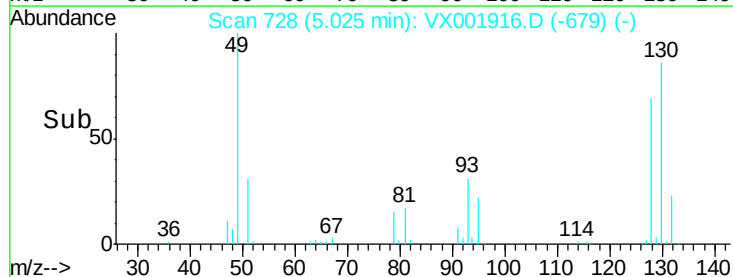
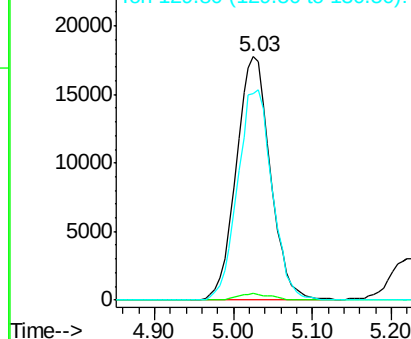
49 100

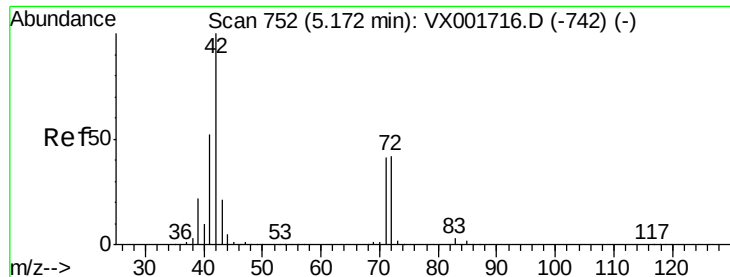
129 2.6 0.0 5.0

130 87.2 71.8 107.6



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: 128.37 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampled :

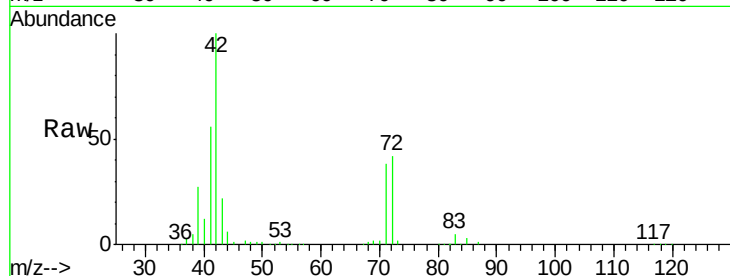
Tot Ion: 42 Resp: 167113

Ion Ratio Lower Upper

42 100

72 42.9 35.4 53.2

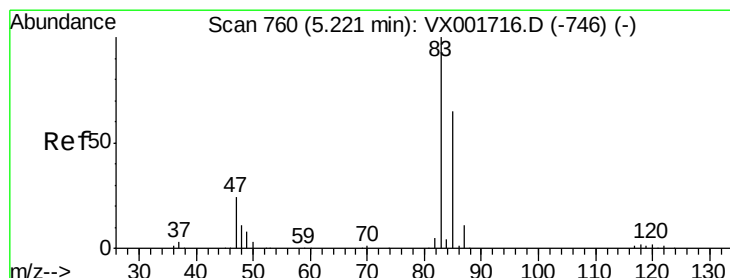
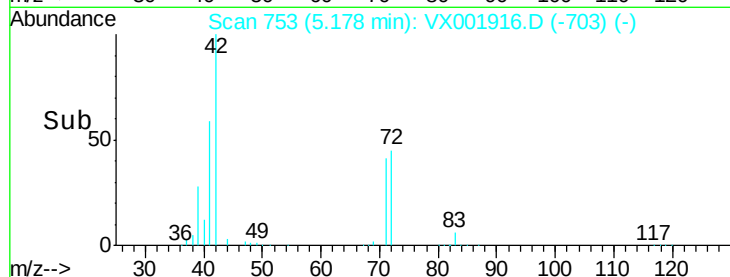
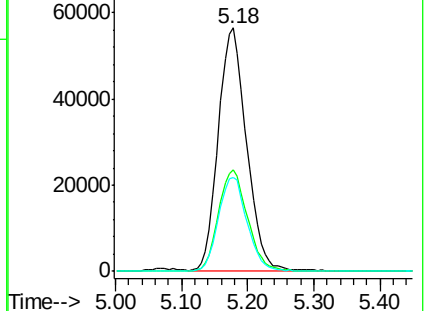
71 39.2 33.2 49.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 22.48 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX001916.D

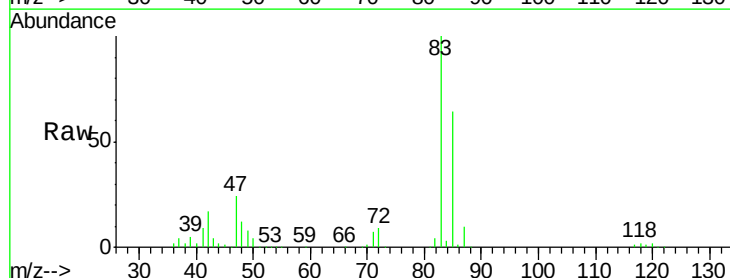
Acq: 23 May 2018 01:52

Tgt Ion: 83 Resp: 112473

Ion Ratio Lower Upper

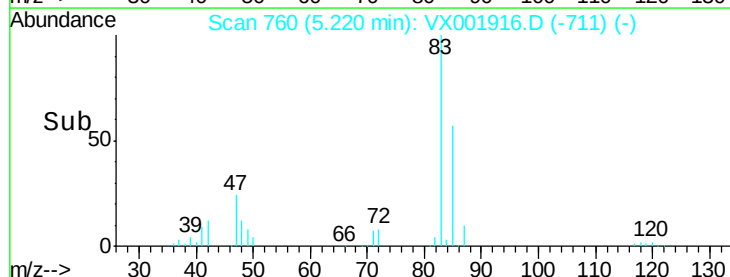
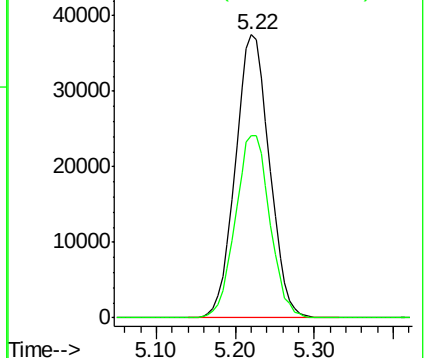
83 100

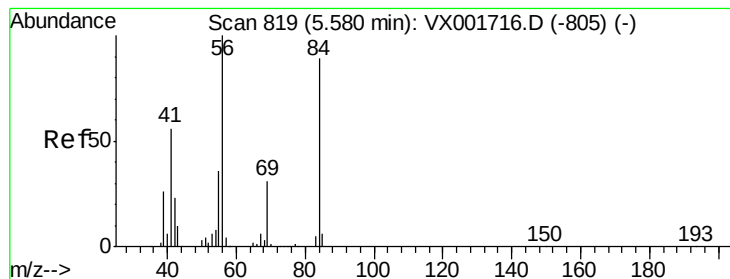
85 64.3 52.3 78.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 19.69 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampled :

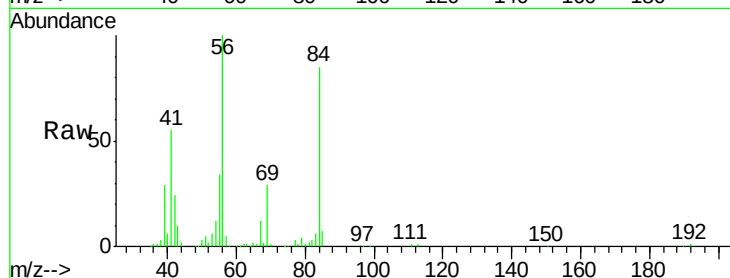
Tot Ion: 56 Resp: 82214

Ion Ratio Lower Upper

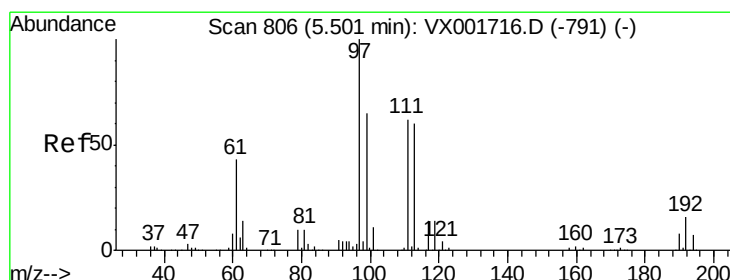
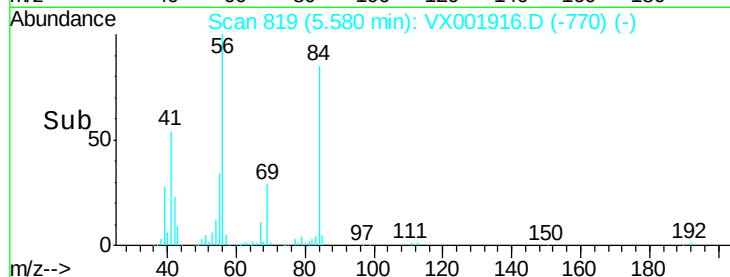
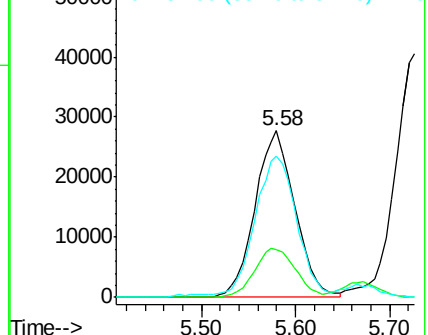
56 100

69 29.0 25.0 37.6

84 82.8 71.0 106.4



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: 21.67 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

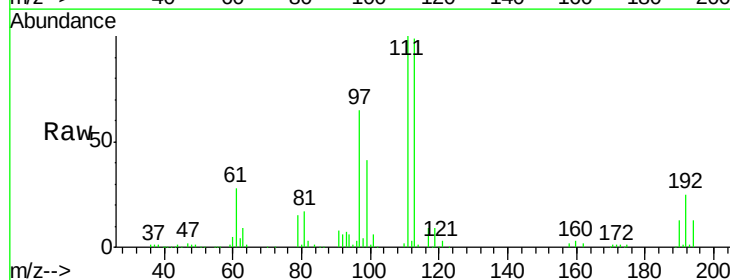
Tgt Ion: 97 Resp: 93697

Ion Ratio Lower Upper

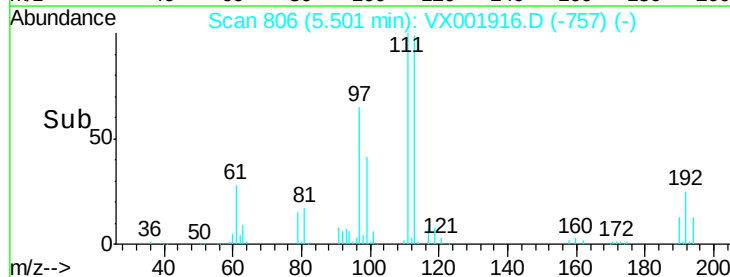
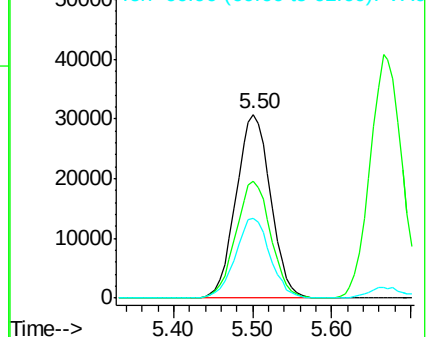
97 100

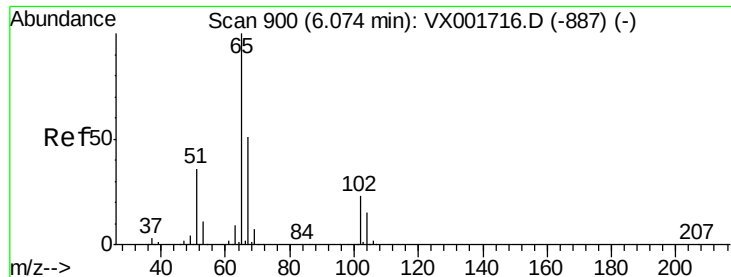
99 64.0 51.3 76.9

61 43.5 34.0 51.0



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

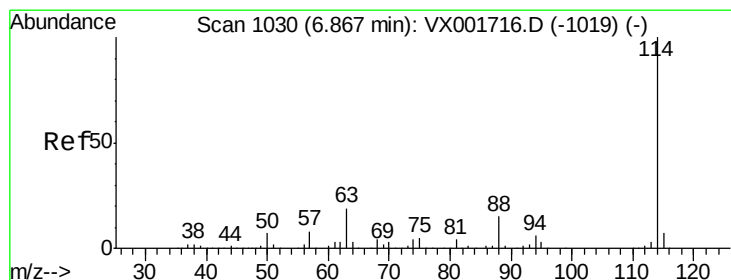
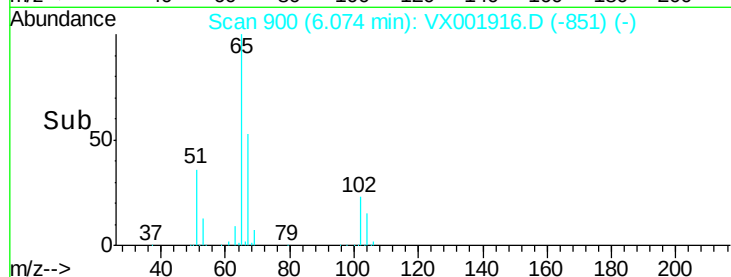
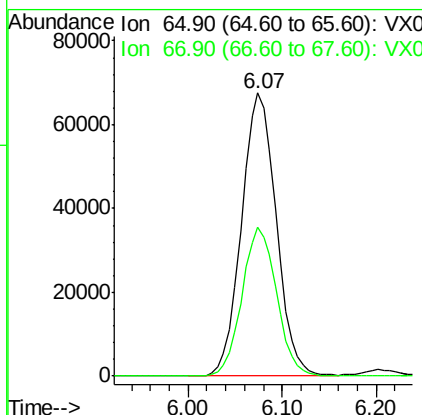
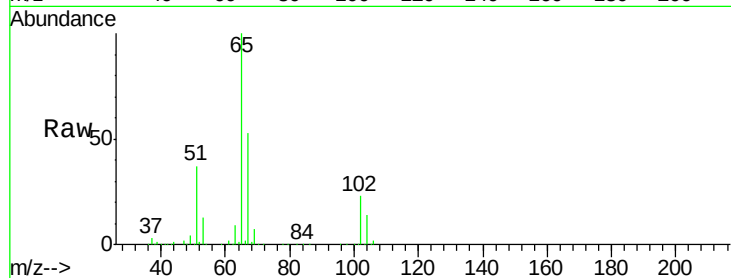




#33
 1,2-Dichloroethane-d4
 Concen: 52.30 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

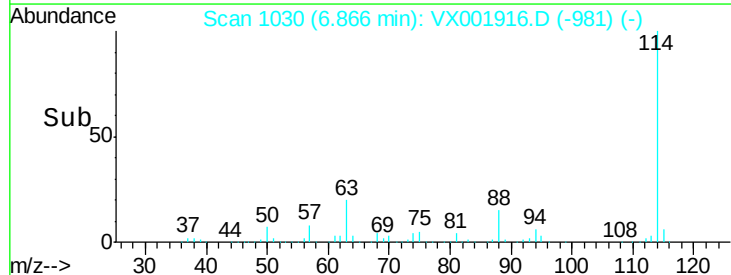
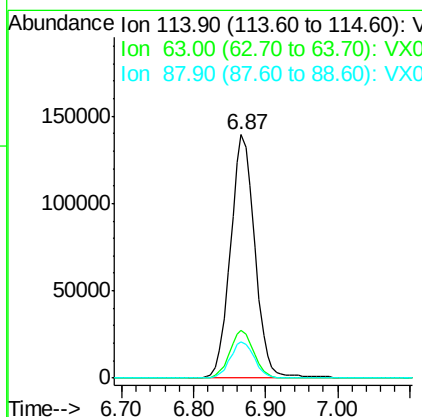
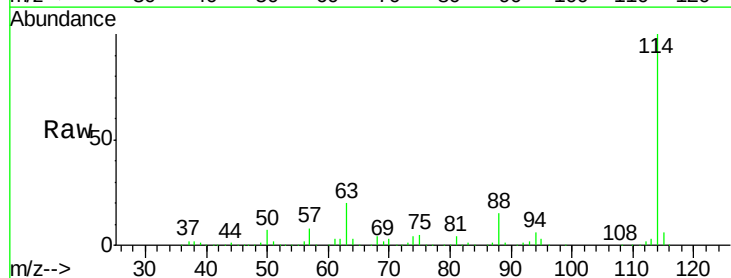
Instrument :
 MSVOA_X
 ClientSampleId :

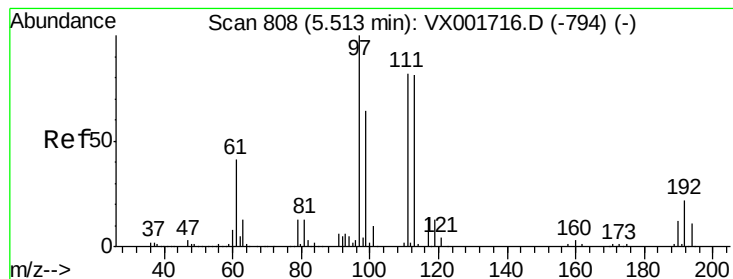
Tot Ion: 65 Resp: 173699
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Tgt Ion: 114 Resp: 328325
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 37.0
 88 14.8 0.0 29.8





#35

Dibromofluoromethane

Concen: 53.53 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

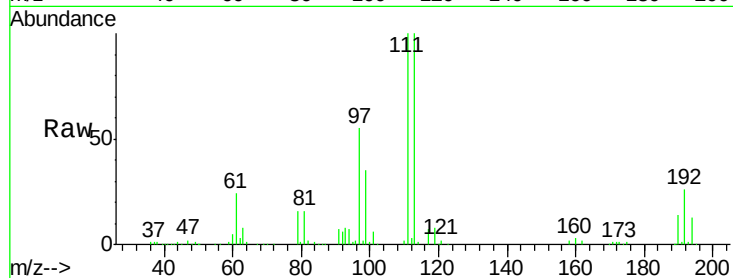
Tot Ion:113 Resp: 148326

Ion Ratio Lower Upper

113 100

111 102.0 82.0 123.0

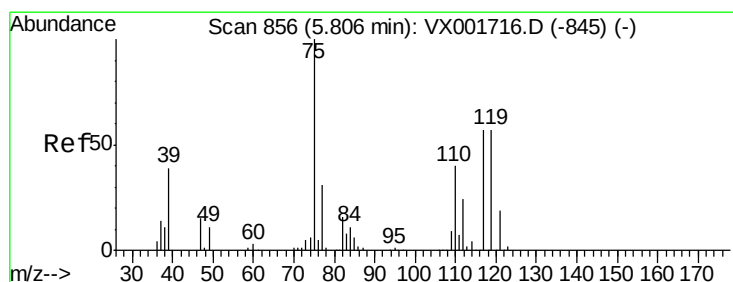
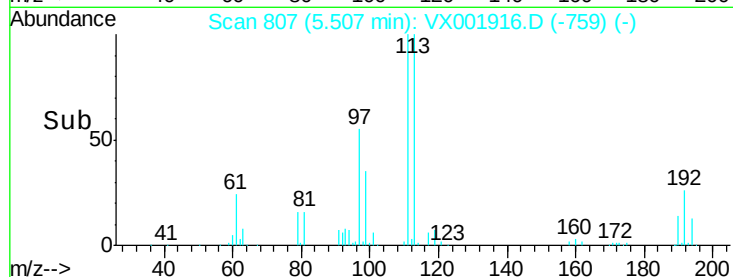
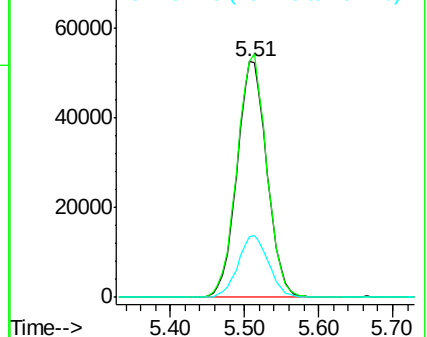
192 26.6 21.6 32.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.62 ug/l

RT: 5.81 min Scan# 856

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

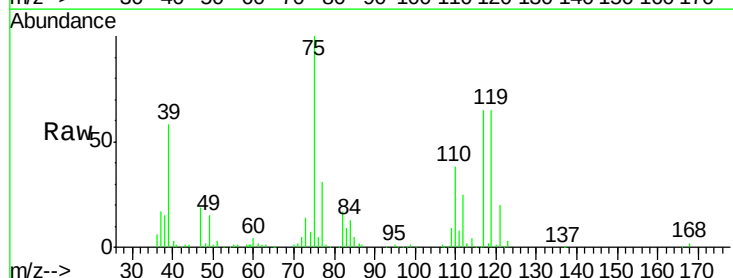
Tgt Ion: 75 Resp: 74155

Ion Ratio Lower Upper

75 100

110 38.5 19.1 57.1

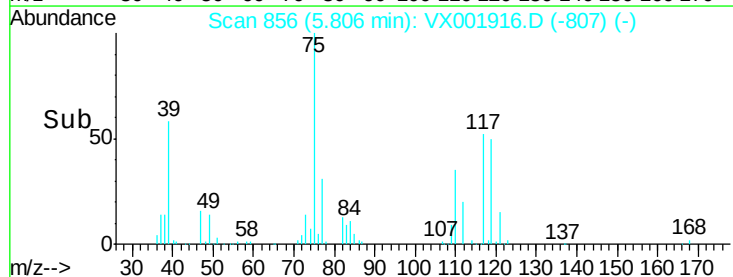
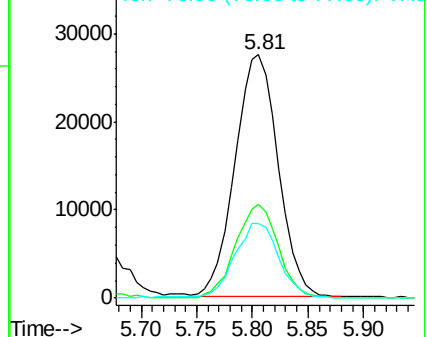
77 32.4 24.6 37.0

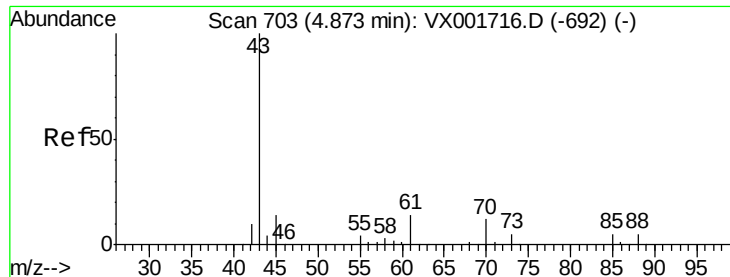


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

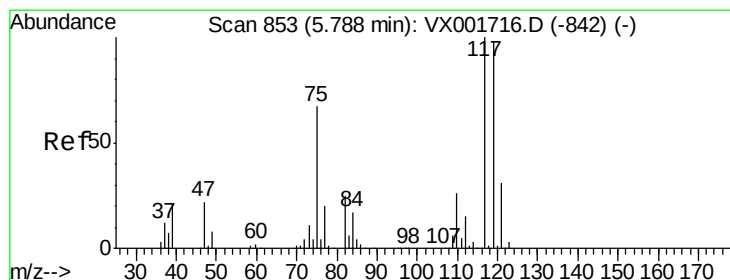
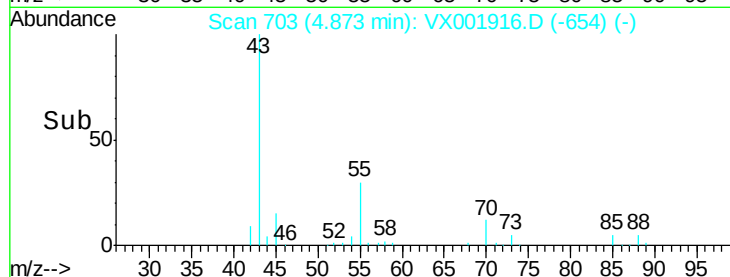
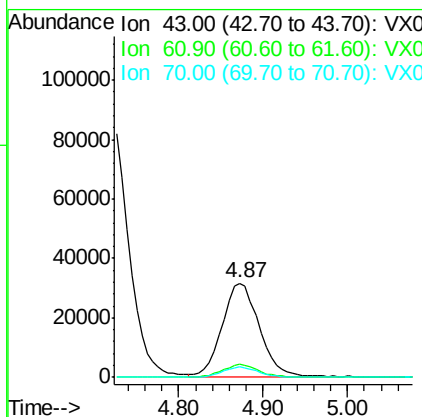
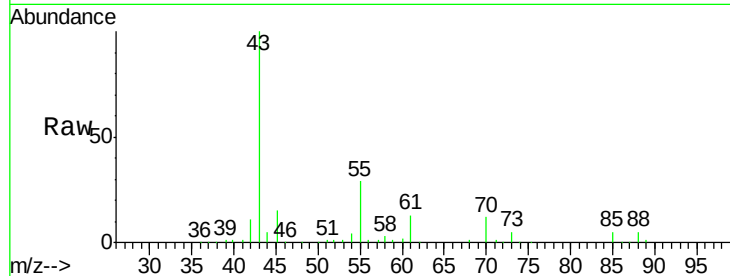




#37
Ethyl Acetate
Concen: 23.86 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

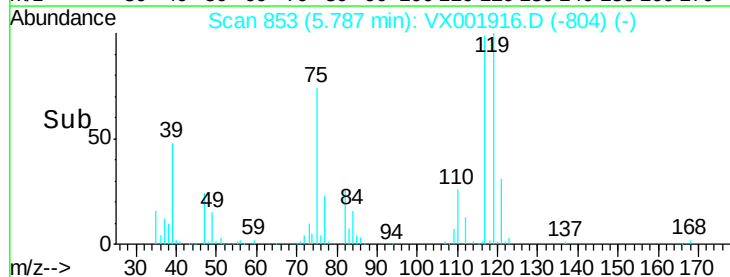
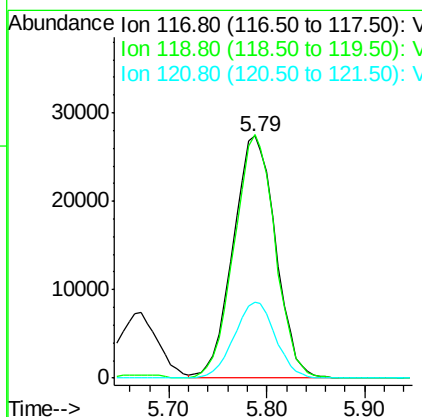
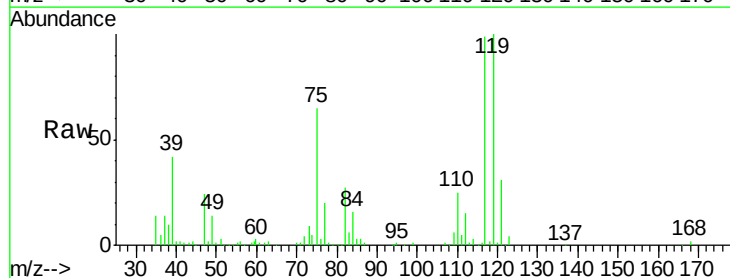
Instrument :
MSVOA_X
ClientSampleId :

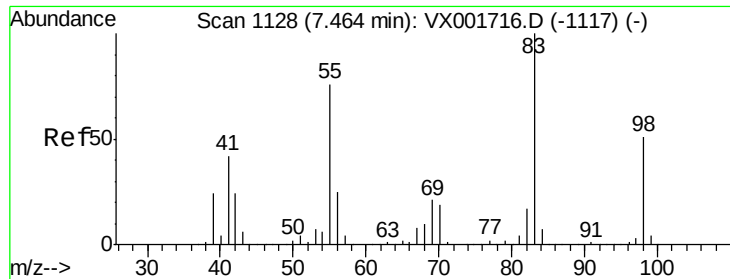
Tot Ion: 43 Resp: 93975
Ion Ratio Lower Upper
43 100
61 13.5 10.9 16.3
70 11.0 8.8 13.2



#38
Carbon Tetrachloride
Concen: 20.71 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion: 117 Resp: 82000
Ion Ratio Lower Upper
117 100
119 100.7 77.6 116.4
121 31.5 24.6 36.8

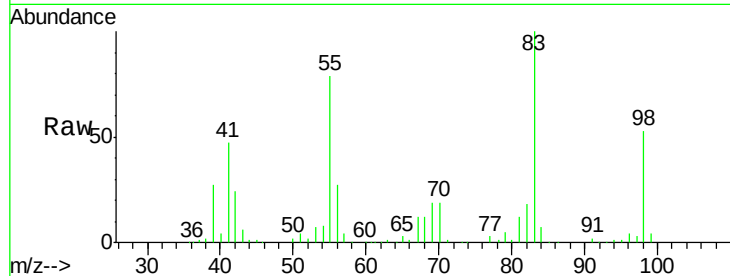




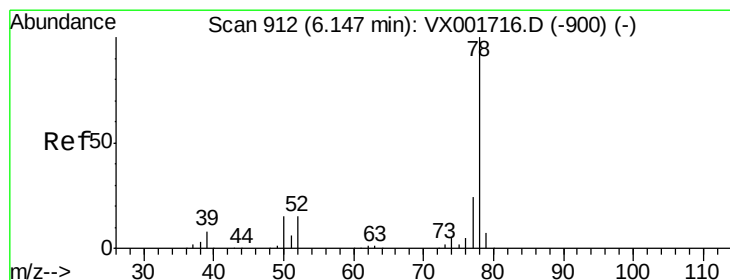
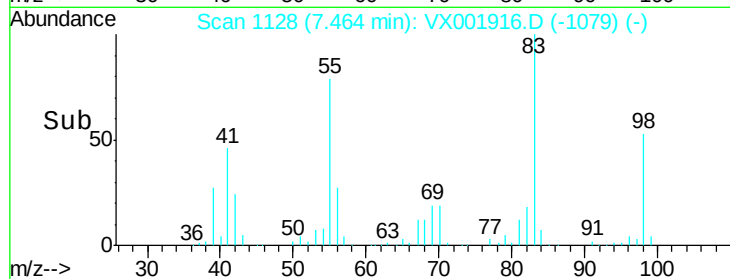
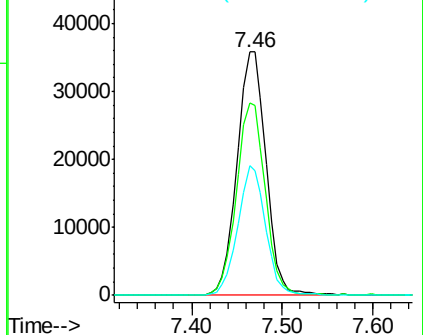
#39
Methylvlcyclohexane
Concen: 18.03 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	83	Resp	79625
Ion Ratio	Lower	Upper	
83	100		
55	79.1	60.6	90.8
98	53.3	40.4	60.6

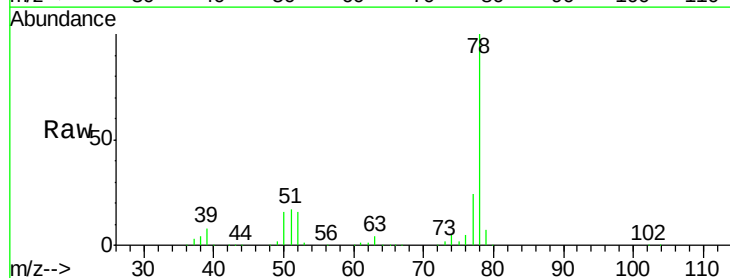


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

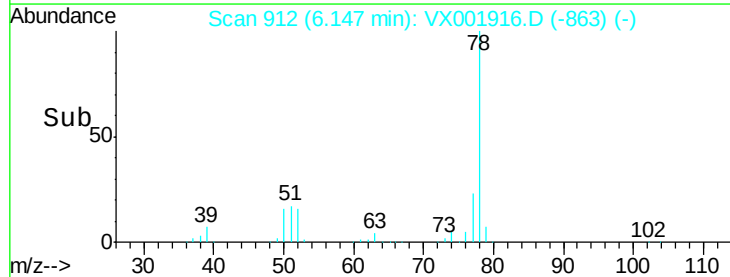
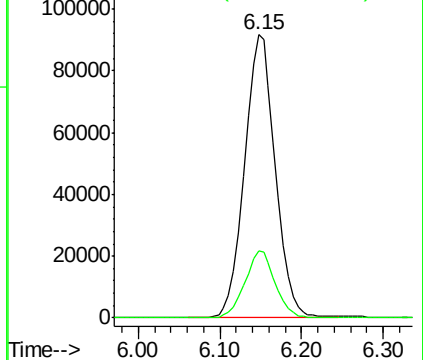


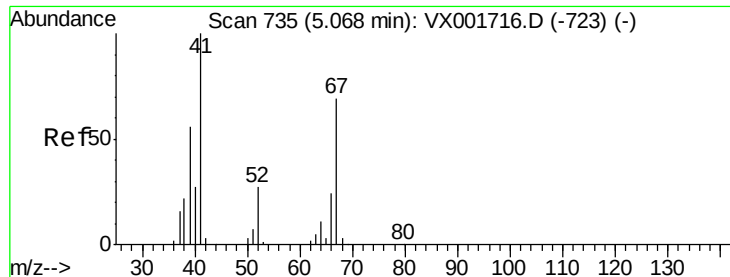
#40
Benzene
Concen: 21.52 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion	78	Resp	239646
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.0	28.4



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





#41

Methacrylonitrile

Concen: 23.35 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.01 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 53192

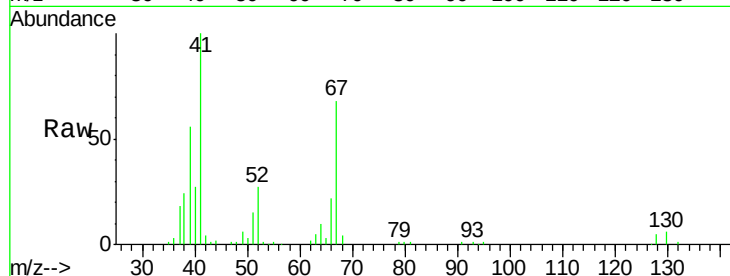
Ion Ratio Lower Upper

41 100

39 55.2 44.2 66.4

67 69.0 56.0 84.0

52 29.3 22.6 33.8



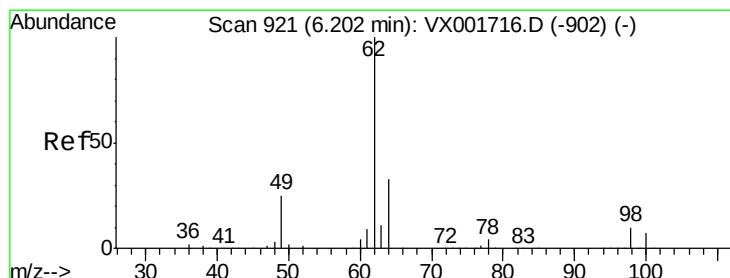
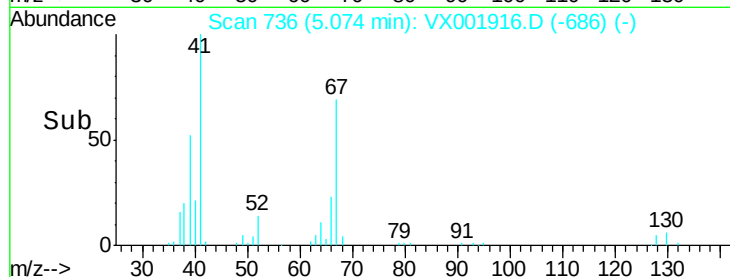
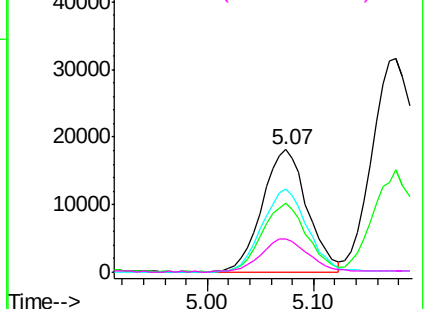
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 22.12 ug/l

RT: 6.21 min Scan# 922

Delta R.T. 0.01 min

Lab File: VX001916.D

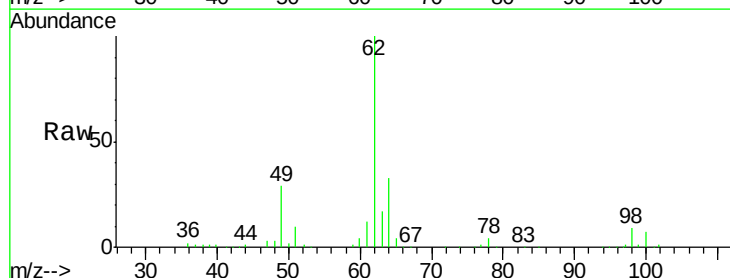
Acq: 23 May 2018 01:52

Tgt Ion: 62 Resp: 89074

Ion Ratio Lower Upper

62 100

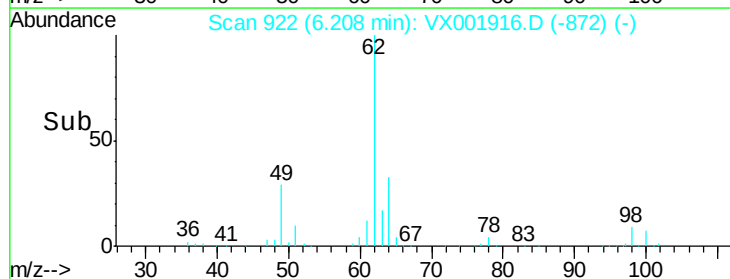
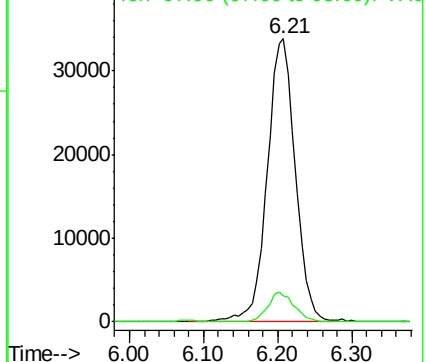
98 9.8 0.0 20.0

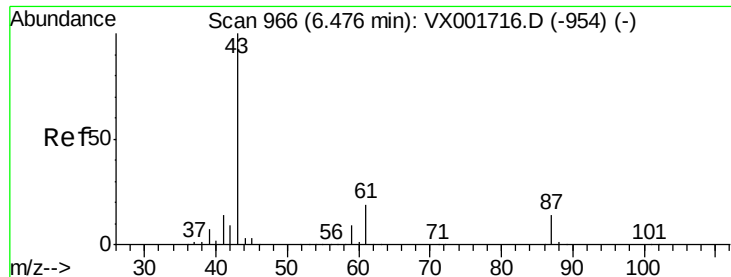


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



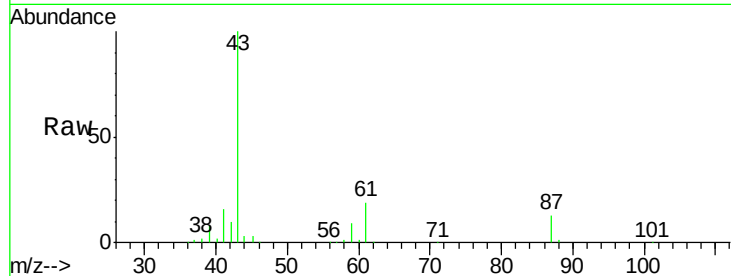


#43

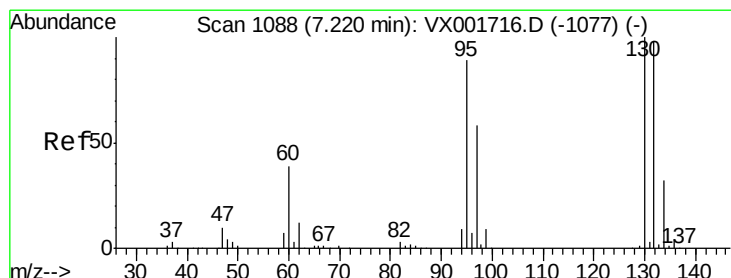
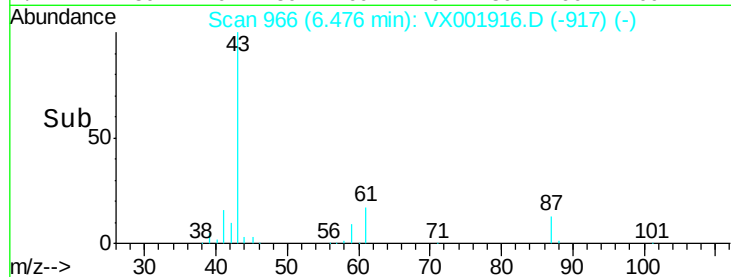
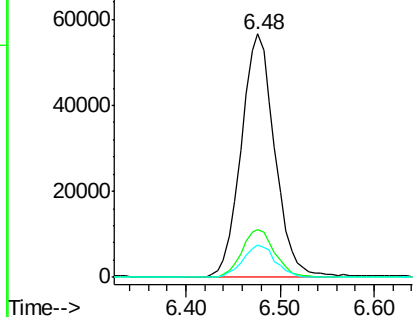
Isopropyl Acetate
 Concen: 22.72 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	43	Resp	140089
Ion Ratio	Lower	Upper	
43	100		
61	19.6	15.8	23.8
87	13.0	11.0	16.4



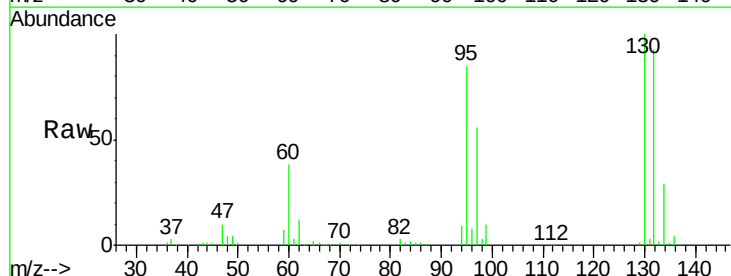
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



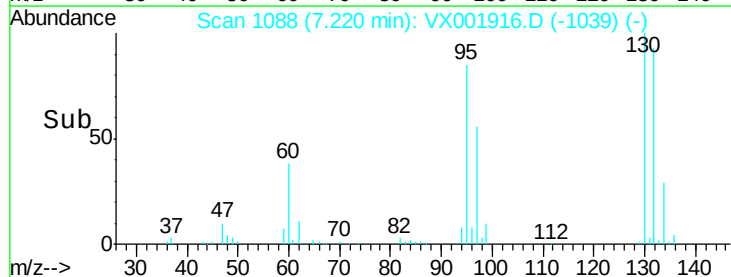
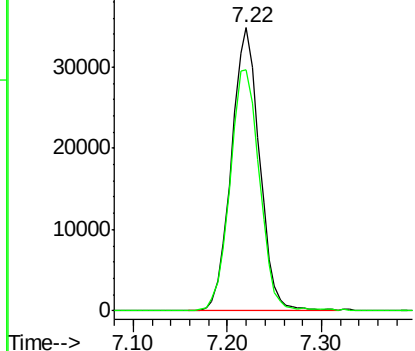
#44

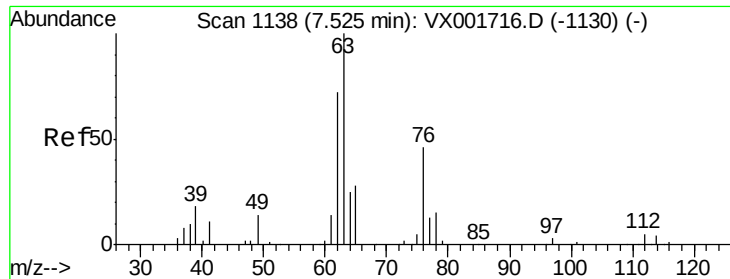
Trichloroethene
 Concen: 20.96 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Tgt Ion	130	Resp	72437
Ion Ratio	Lower	Upper	
130	100		
95	85.2	0.0	177.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 22.73 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

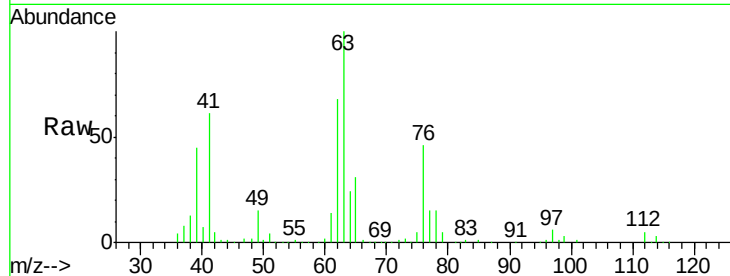
ClientSampleId :

Tot Ion: 63 Resp: 62100

Ion Ratio Lower Upper

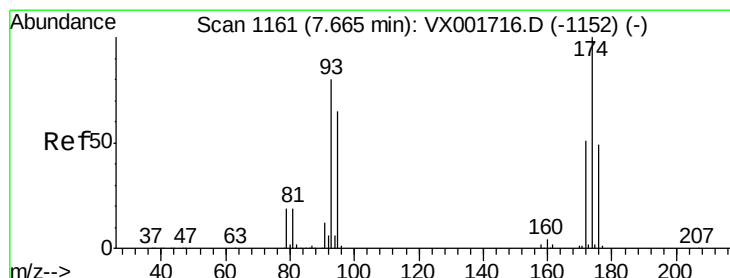
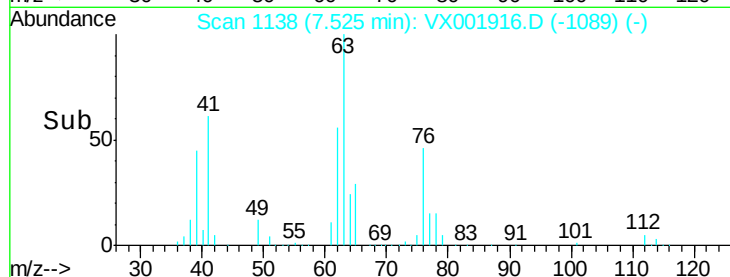
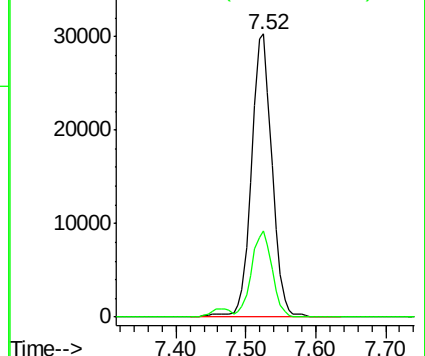
63 100

65 30.6 24.2 36.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 21.48 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

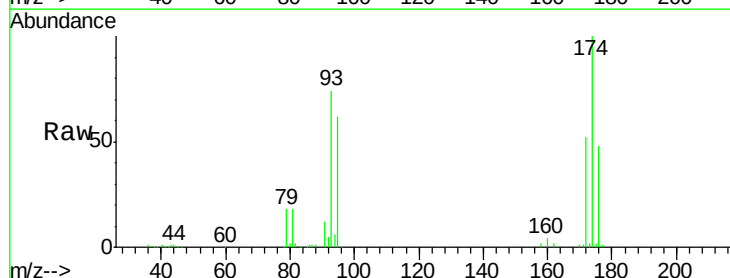
Tgt Ion: 93 Resp: 41211

Ion Ratio Lower Upper

93 100

95 85.2 65.9 98.9

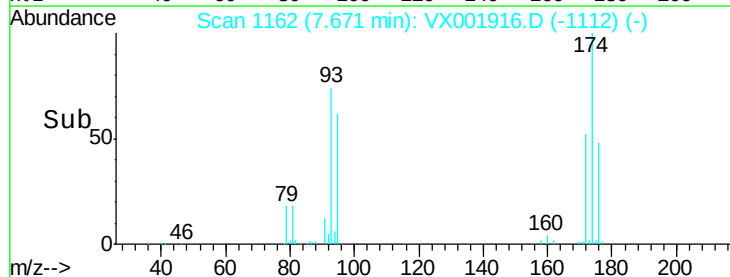
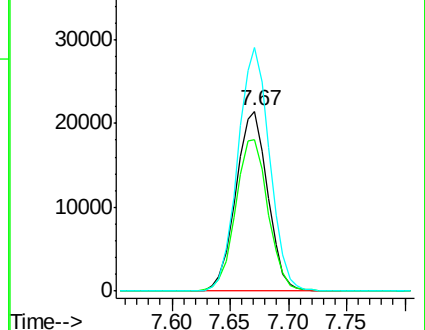
174 134.6 106.2 159.2

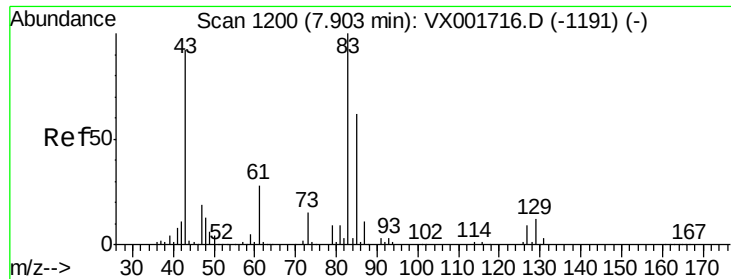


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.97 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :
MSVOA_X
ClientSampled :

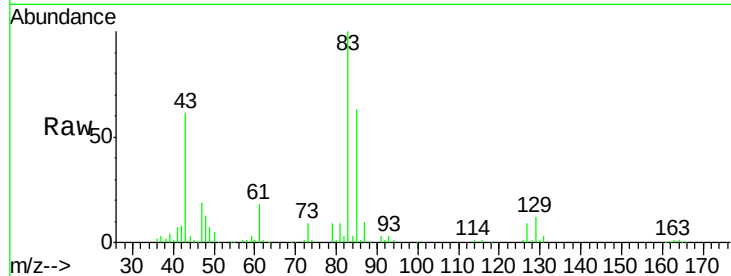
Tot Ion: 83 Resp: 78230

Ion Ratio Lower Upper

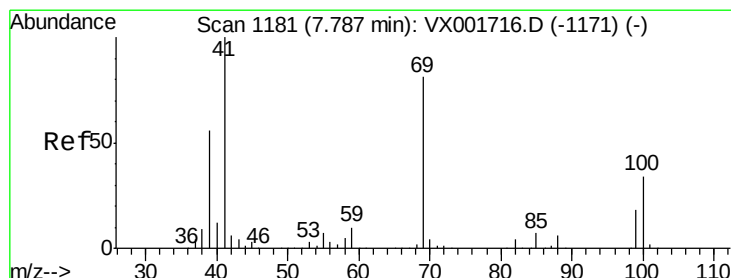
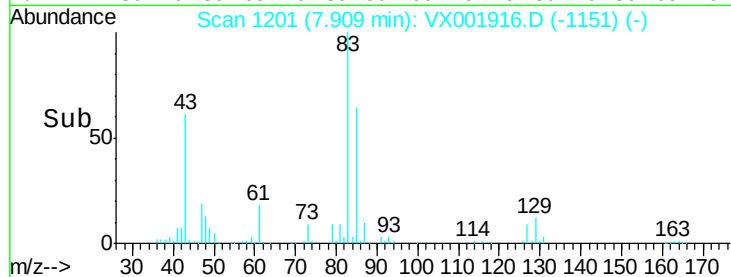
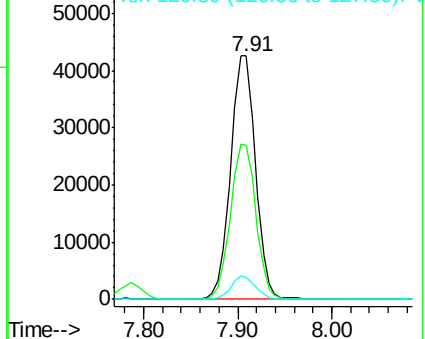
83 100

85 63.5 49.6 74.4

127 9.3 7.5 11.3



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: 23.25 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

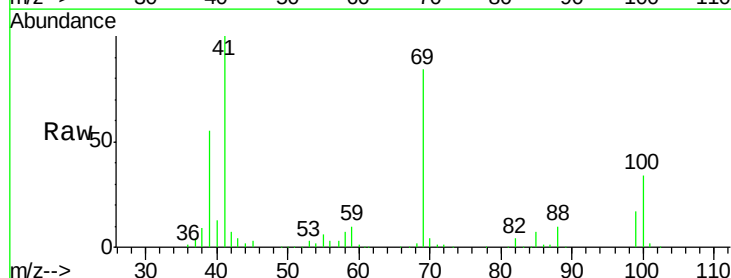
Tgt Ion: 41 Resp: 75431

Ion Ratio Lower Upper

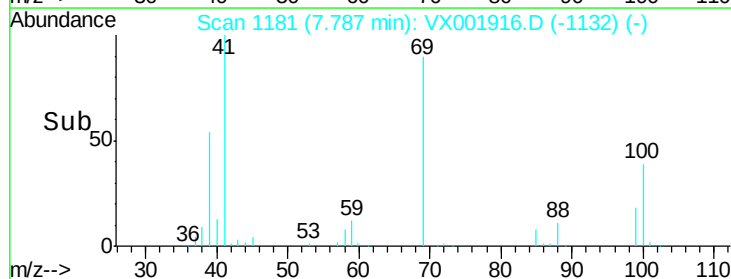
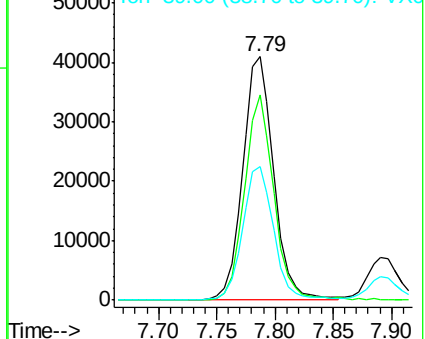
41 100

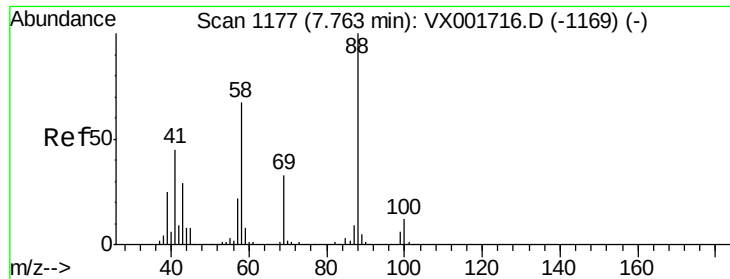
69 80.0 65.2 97.8

39 54.6 44.5 66.7



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

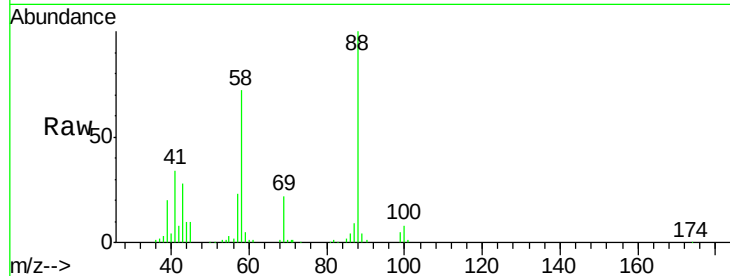




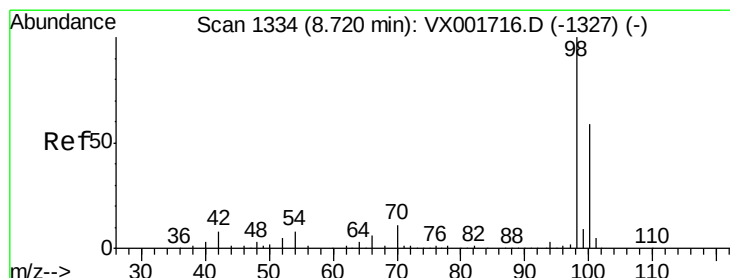
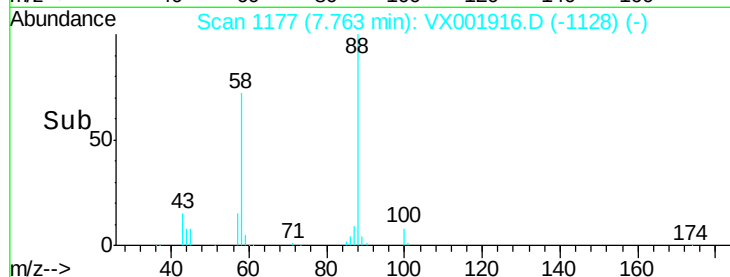
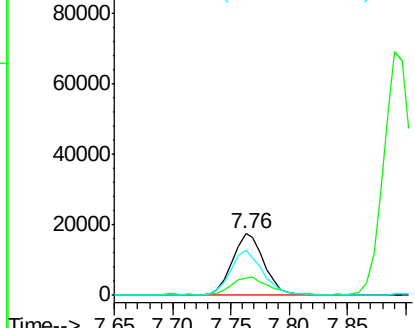
#49
1,4-Dioxane
Concen: 536.80 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 33538
Ion Ratio Lower Upper
88 100
43 30.8 27.3 40.9
58 73.9 55.9 83.9

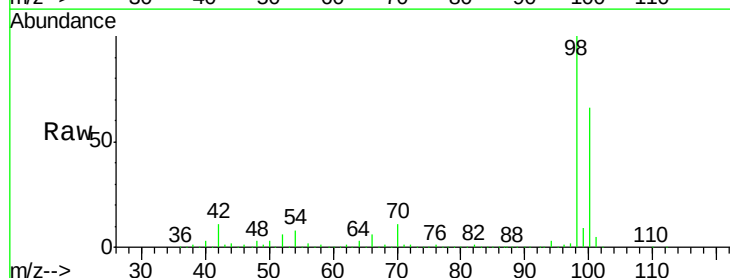


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

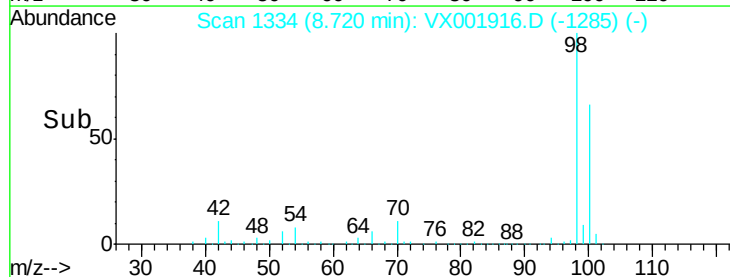
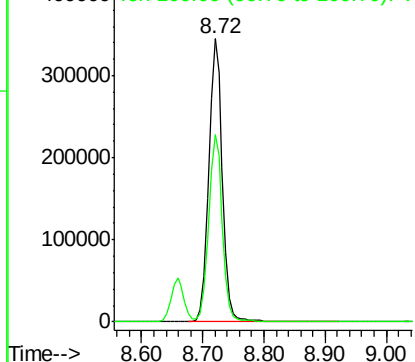


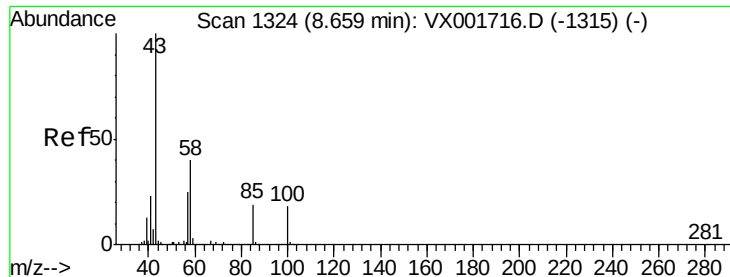
#50
Toluene-d8
Concen: 54.66 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion: 98 Resp: 542431
Ion Ratio Lower Upper
98 100
100 66.8 54.0 81.0



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

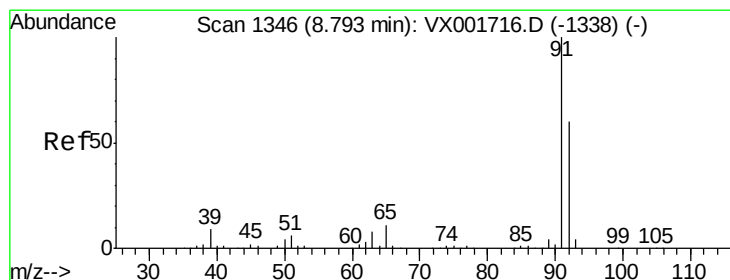
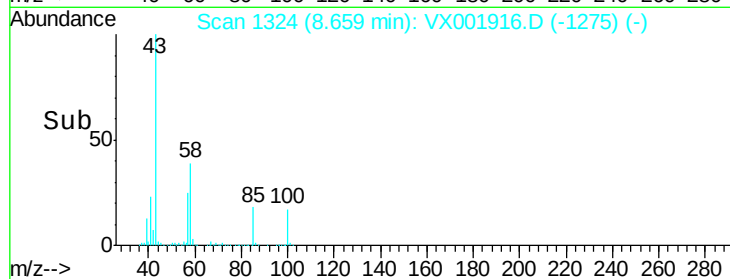
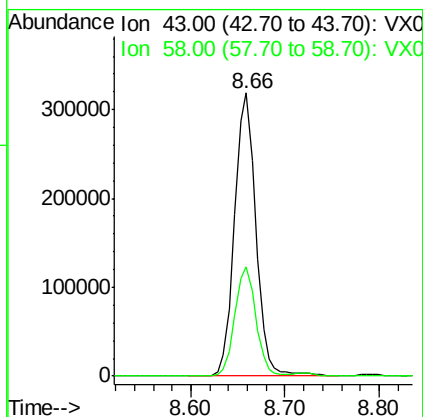
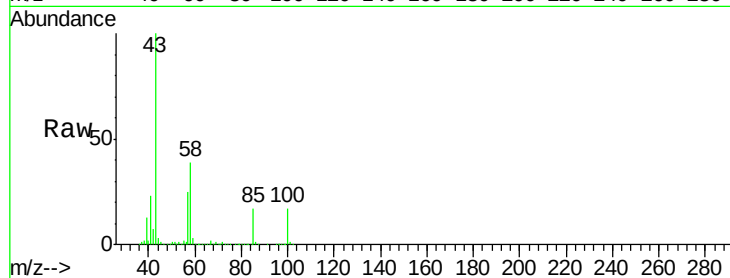




#51
 4-Methyl-2-Pentanone
 Concen: 128.76 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

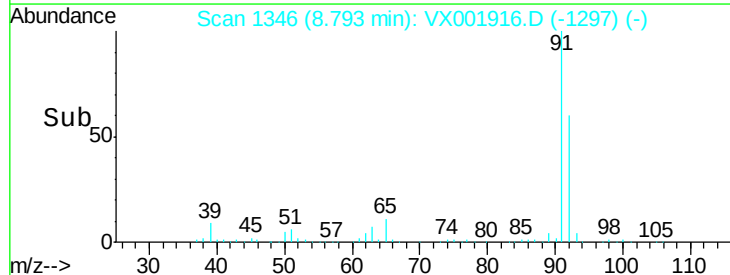
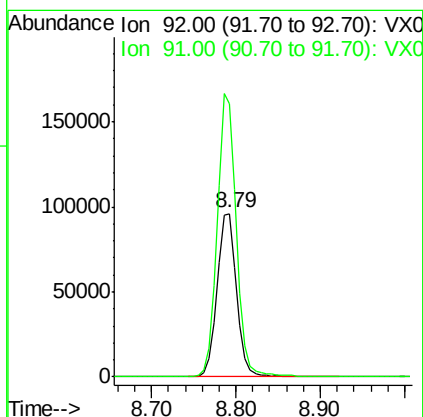
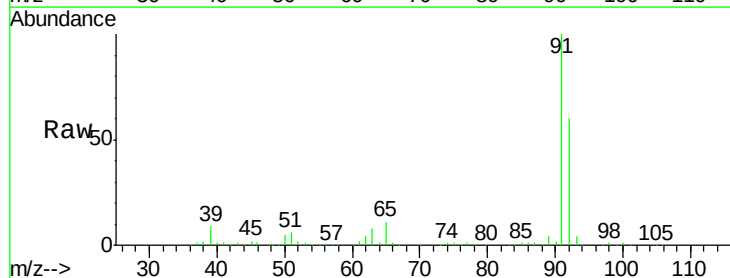
Instrument :
 MSVOA_X
 ClientSampleId :

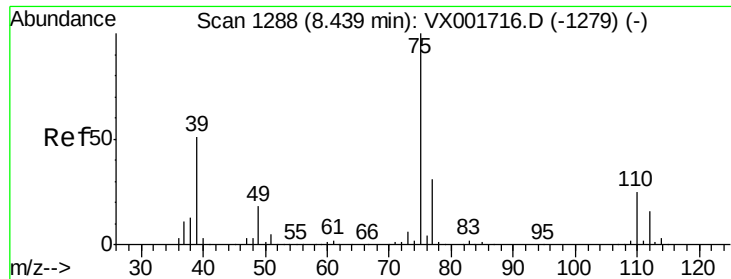
Tot Ion: 43 Resp: 503054
 Ion Ratio Lower Upper
 43 100
 58 38.0 31.4 47.0



#52
 Toluene
 Concen: 21.61 ug/l
 RT: 8.79 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Tgt Ion: 92 Resp: 154604
 Ion Ratio Lower Upper
 92 100
 91 169.1 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 20.45 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

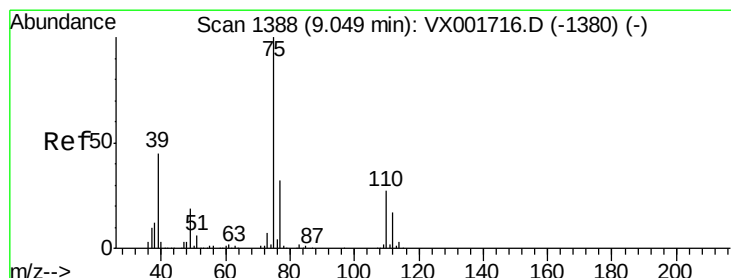
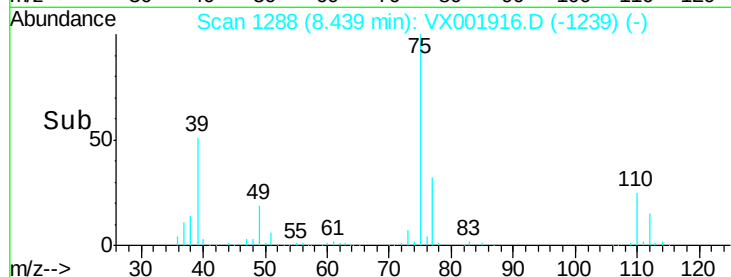
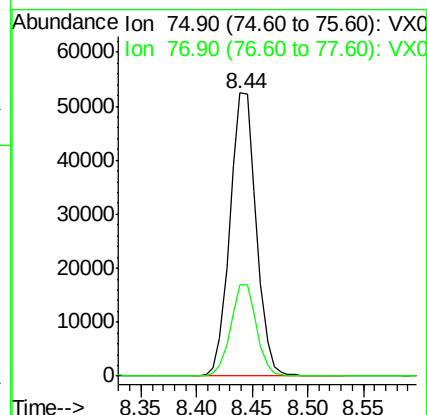
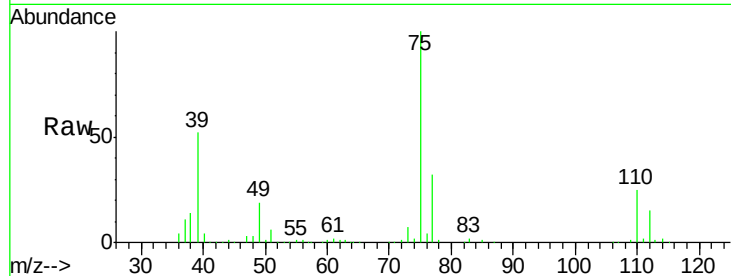
ClientSampleId :

Tot Ion: 75 Resp: 85652

Ion Ratio Lower Upper

75 100

77 32.2 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 20.33 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

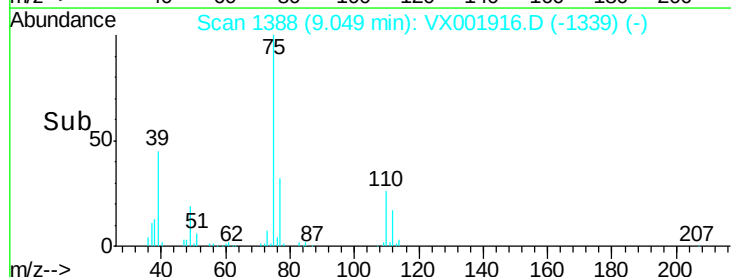
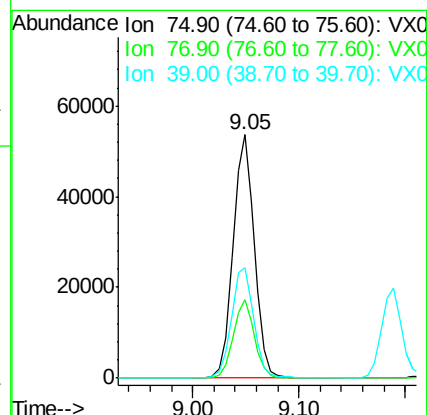
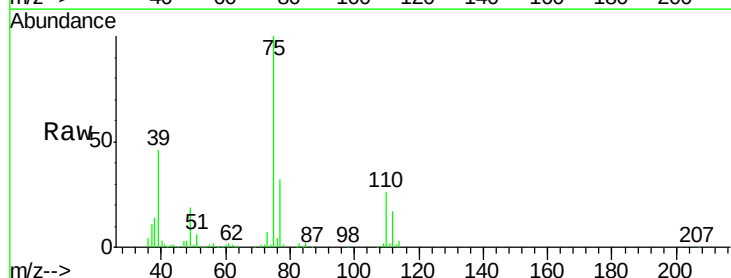
Tgt Ion: 75 Resp: 75077

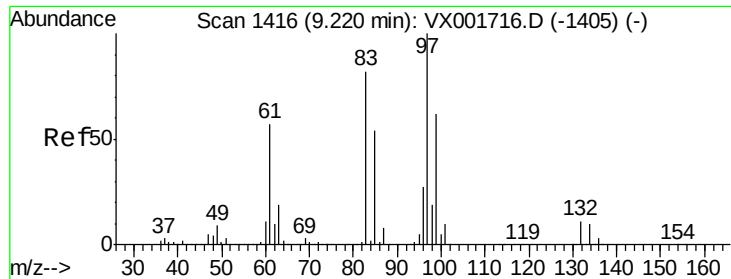
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2

39 45.4 36.1 54.1

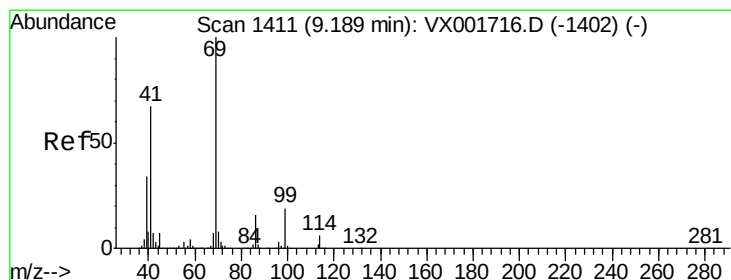
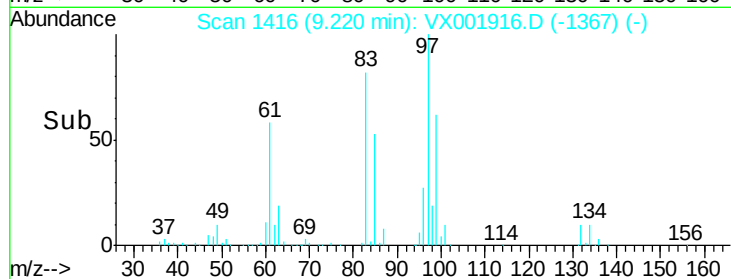
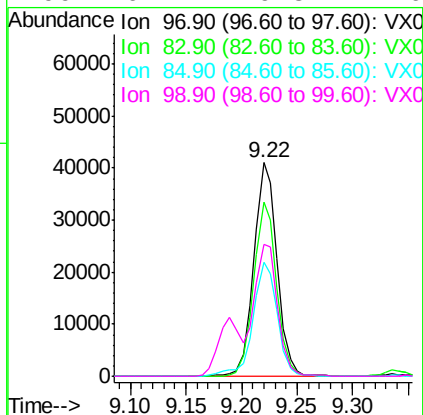
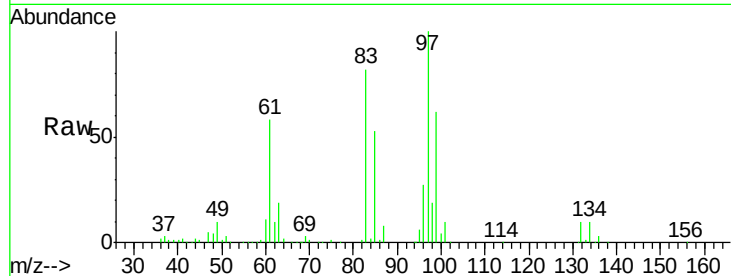




#55
 1,1,2-Trichloroethane
 Concen: 21.78 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

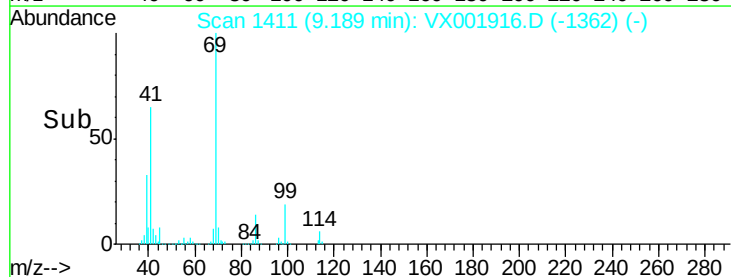
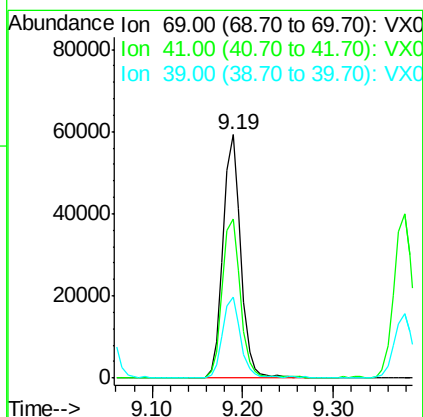
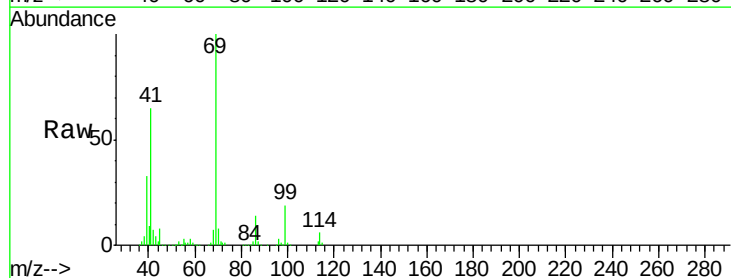
Instrument :
 MSVOA_X
 ClientSampleId :

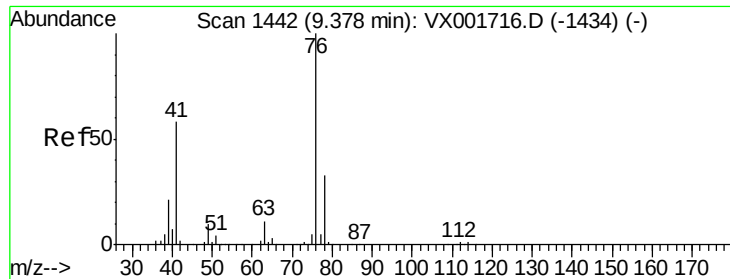
Tot Ion:	97	Resp:	59583
Ion	Ratio	Lower	Upper
97	100		
83	81.8	65.8	98.8
85	53.1	43.4	65.0
99	61.7	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 20.95 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Tgt Ion:	69	Resp:	81267
Ion	Ratio	Lower	Upper
69	100		
41	67.4	53.5	80.3
39	33.4	27.2	40.8

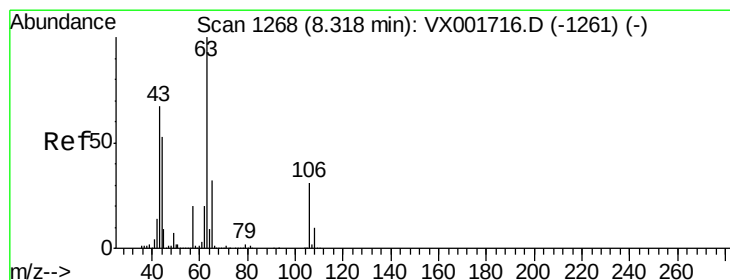
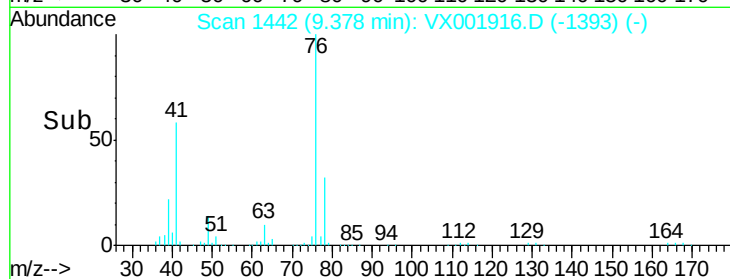
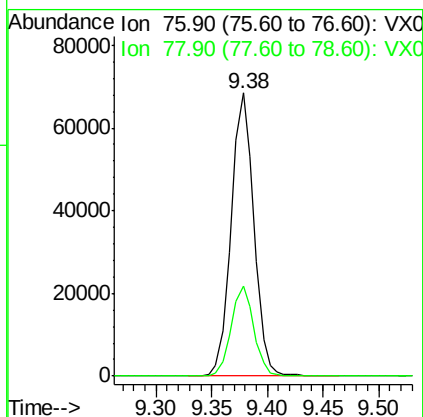
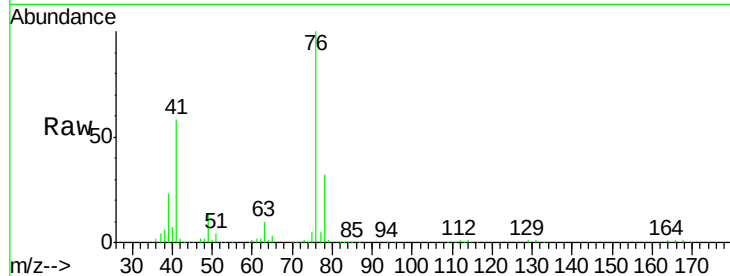




#57
 1,3-Dichloropropane
 Concen: 21.11 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

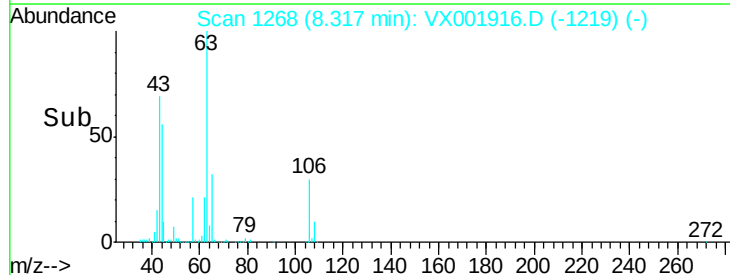
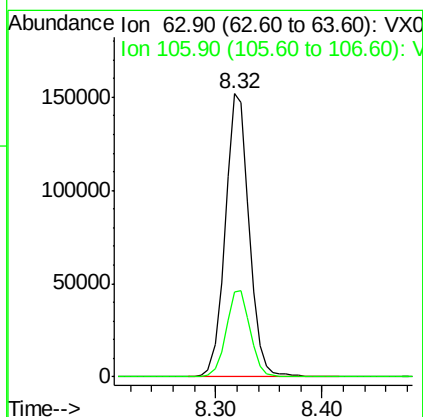
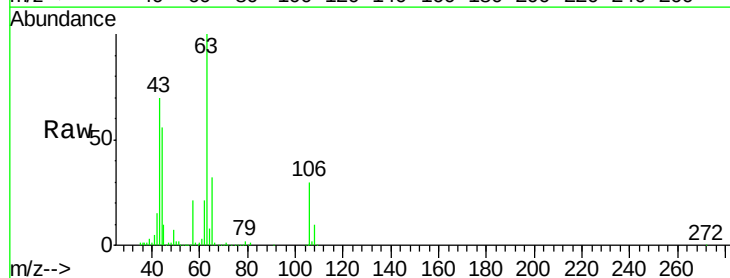
Instrument :
 MSVOA_X
 ClientSampleId :

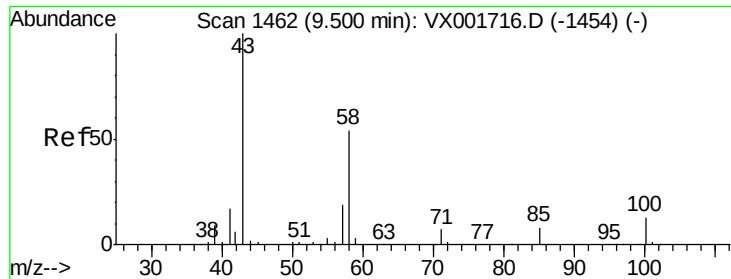
Tot Ion: 76 Resp: 96682
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.87 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Tgt Ion: 63 Resp: 237173
 Ion Ratio Lower Upper
 63 100
 106 31.1 25.1 37.7

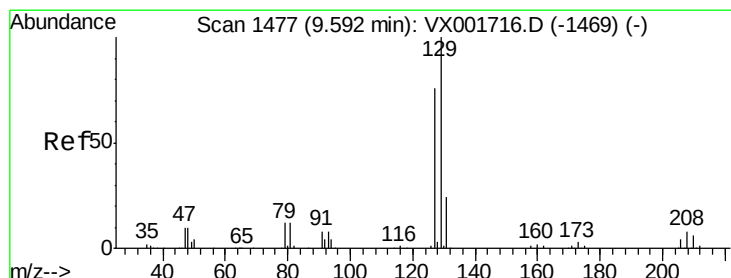
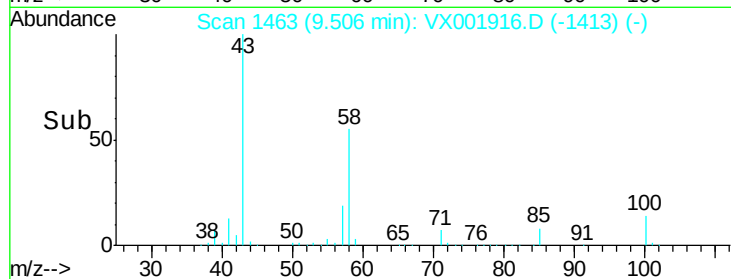
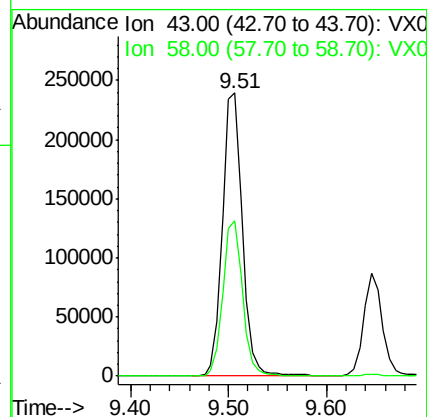
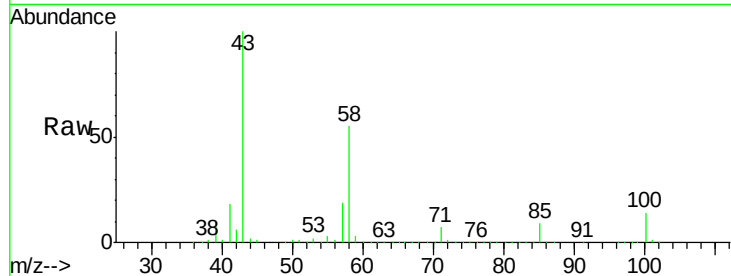




#59
2-Hexanone
Concen: 121.34 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

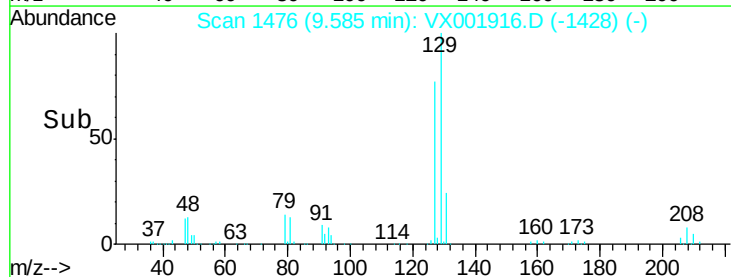
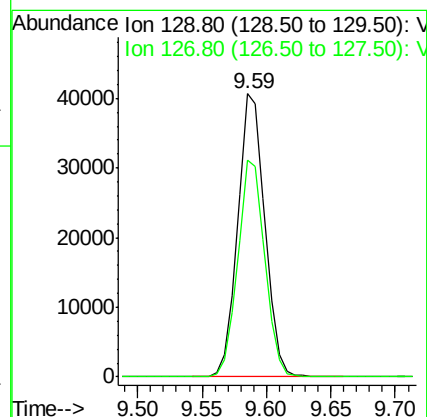
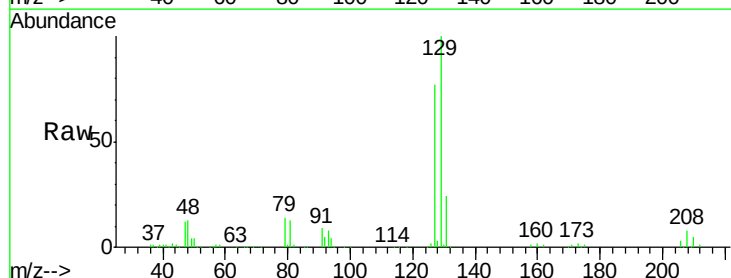
Instrument :
MSVOA_X
ClientSampled :

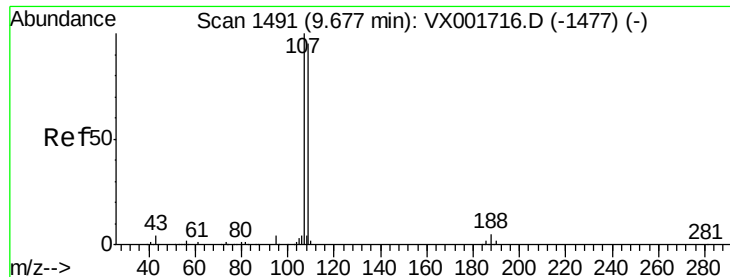
Tot Ion: 43 Resp: 339341
Ion Ratio Lower Upper
43 100
58 54.5 27.7 83.1



#60
Dibromochloromethane
Concen: 21.28 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion:129 Resp: 59606
Ion Ratio Lower Upper
129 100
127 76.3 38.7 116.1





#61

1,2-Dibromoethane

Concen: 21.12 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

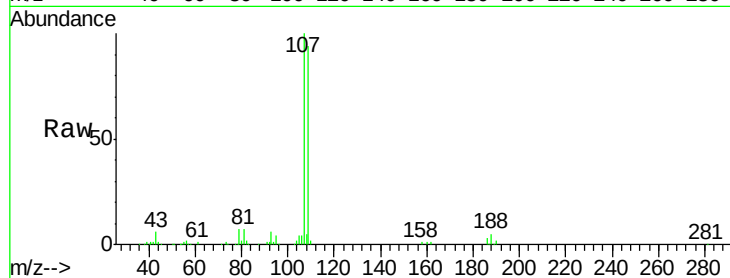
ClientSampleId :

Tot Ion:107 Resp: 60462

Ion Ratio Lower Upper

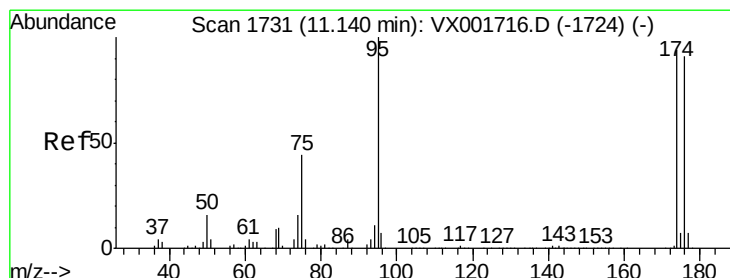
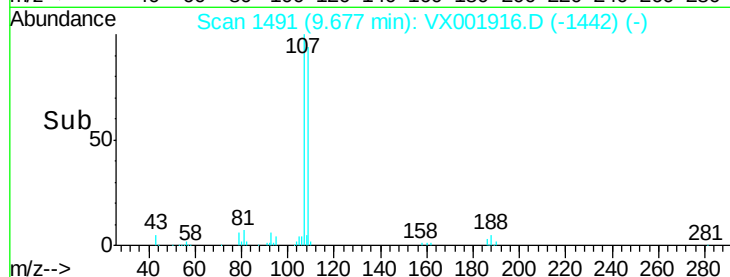
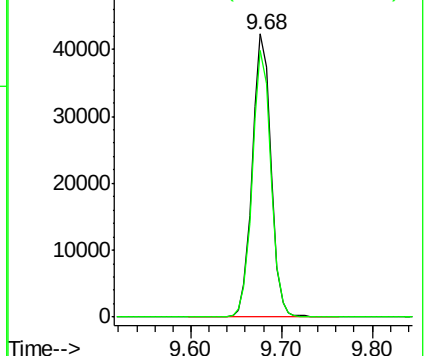
107 100

109 94.1 76.2 114.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.45 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

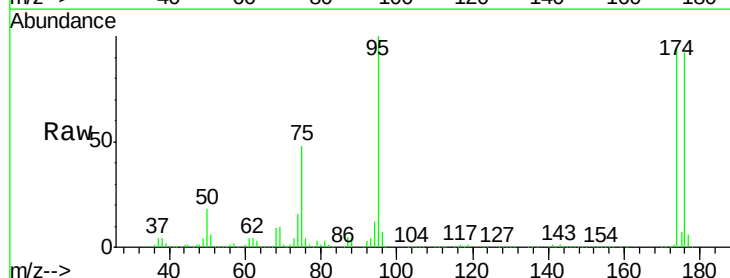
Tgt Ion: 95 Resp: 176674

Ion Ratio Lower Upper

95 100

174 102.8 0.0 201.8

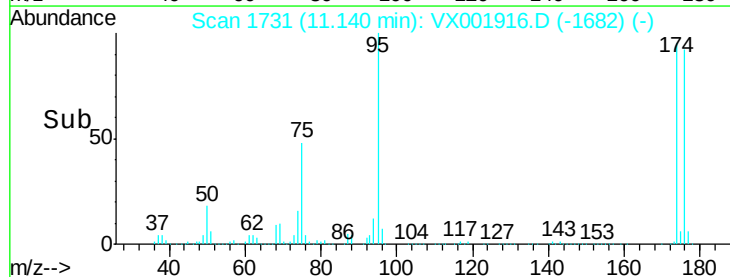
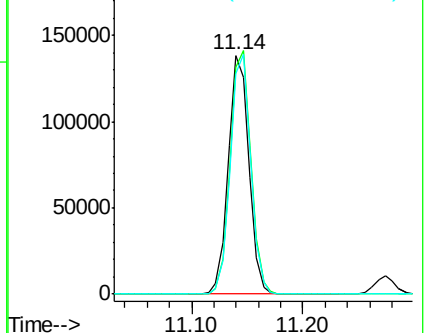
176 99.7 0.0 196.8

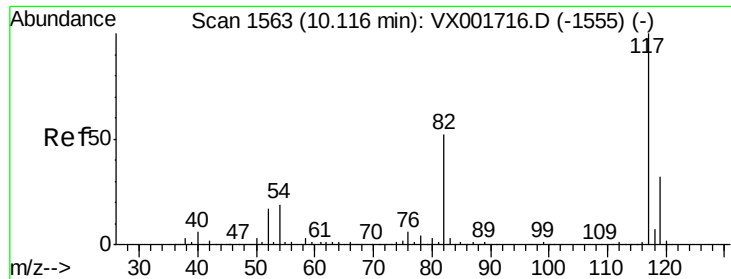


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

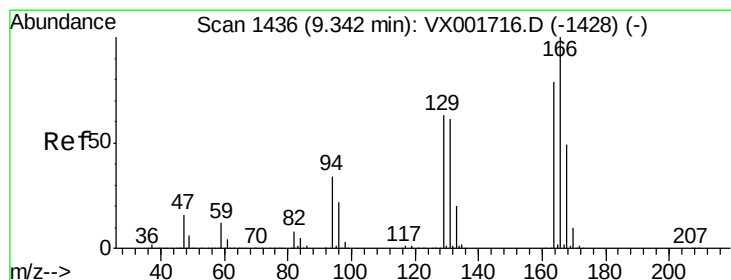
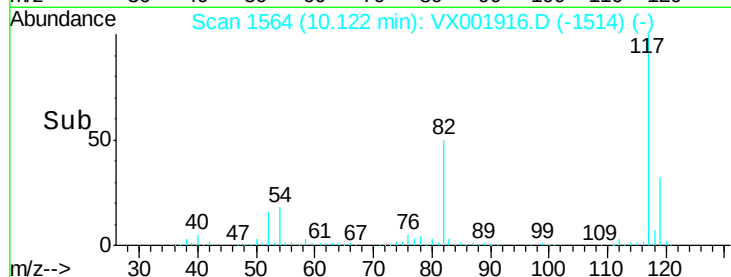
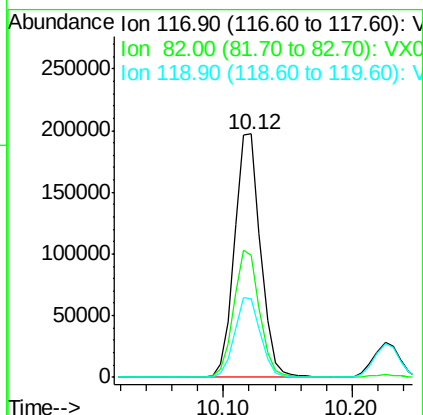
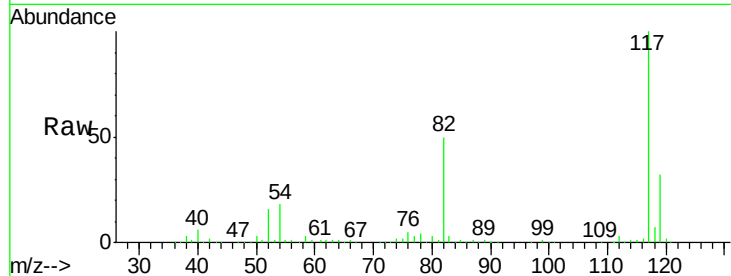




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

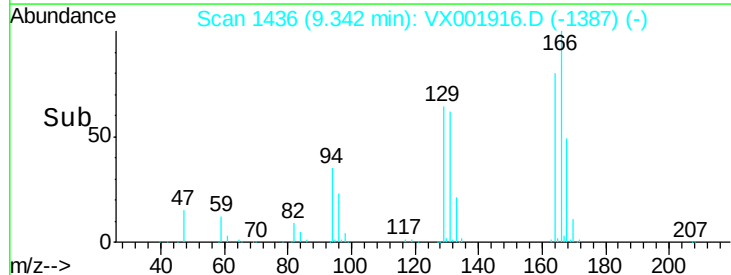
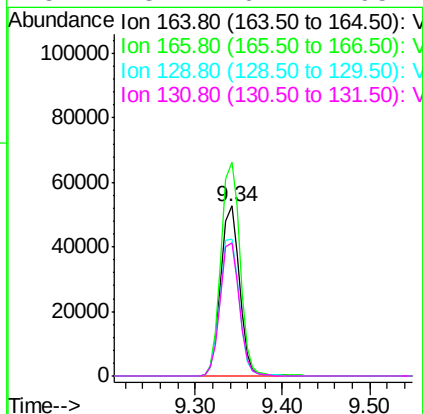
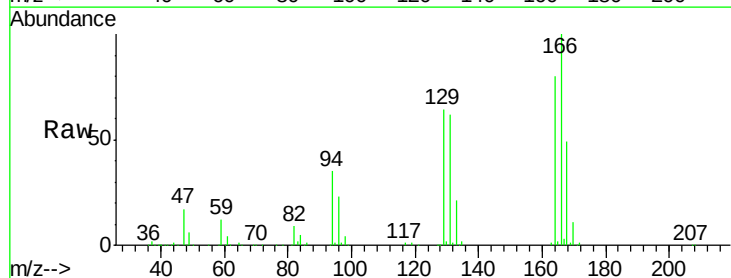
Instrument :
MSVOA_X
ClientSampled :

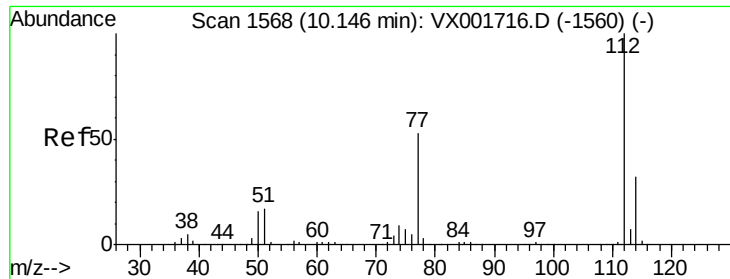
Tot Ion:117 Resp: 277785
Ion Ratio Lower Upper
117 100
82 50.2 41.4 62.2
119 32.4 25.6 38.4



#64
Tetrachloroethene
Concen: 21.65 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion:164 Resp: 78284
Ion Ratio Lower Upper
164 100
166 125.8 101.8 152.8
129 80.8 63.8 95.6
131 78.4 62.2 93.2

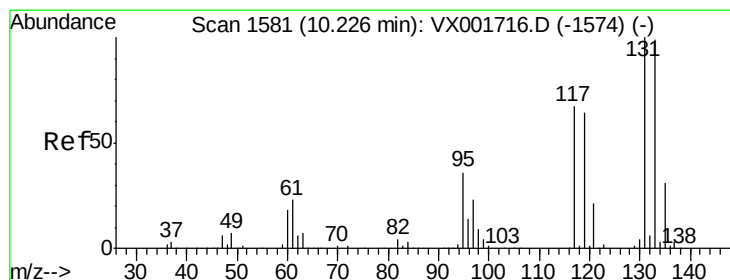
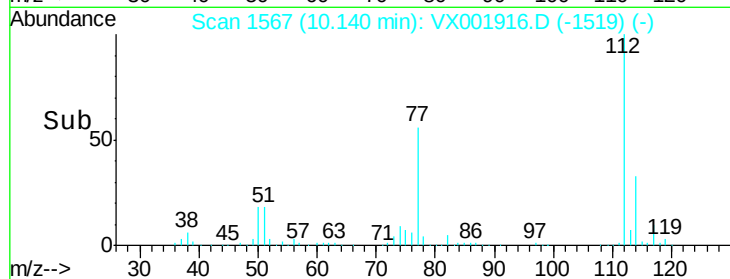
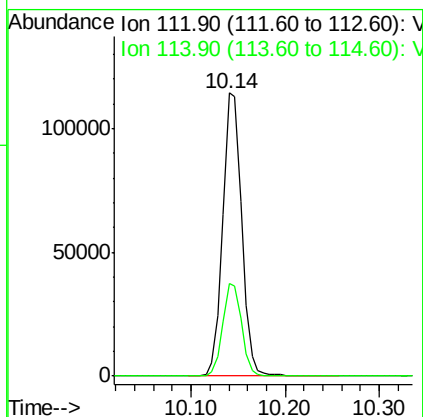
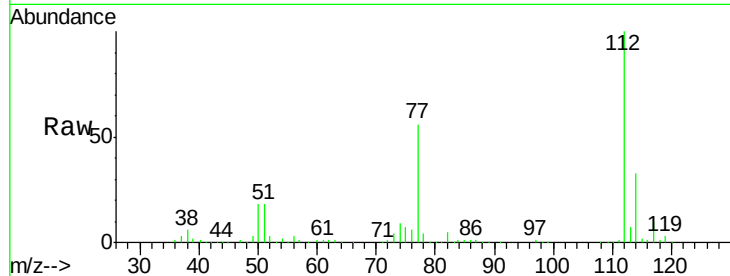




#65
Chlorobenzene
Concen: 20.97 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

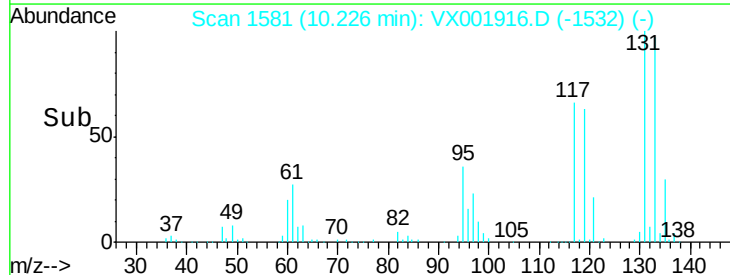
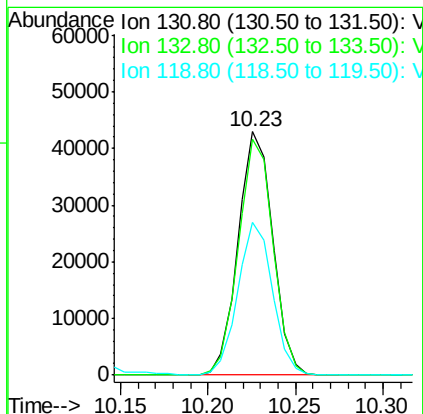
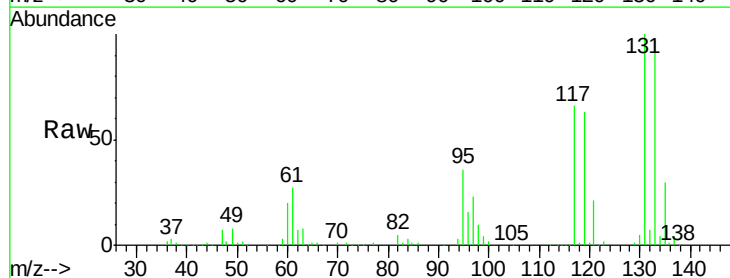
Instrument :
MSVOA_X
ClientSampled :

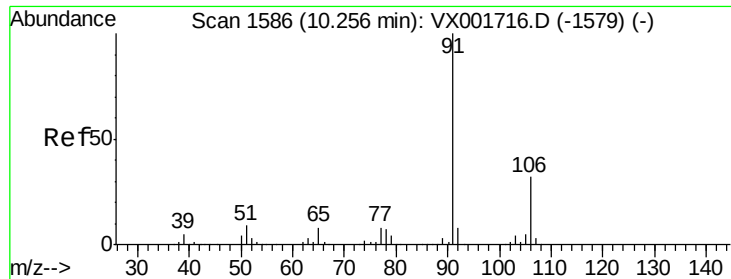
Tot Ion:112 Resp: 160207
Ion Ratio Lower Upper
112 100
114 32.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.92 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion:131 Resp: 59161
Ion Ratio Lower Upper
131 100
133 97.0 48.5 145.6
119 62.8 31.9 95.5





#67

Ethyl Benzene

Concen: 20.60 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

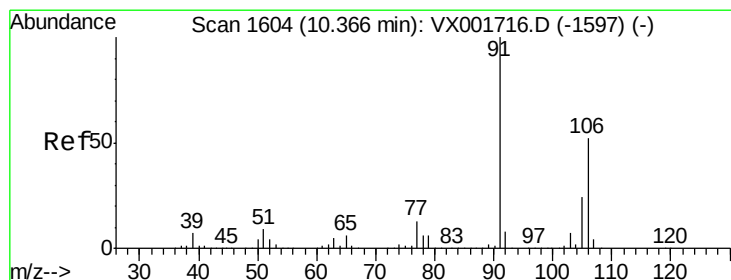
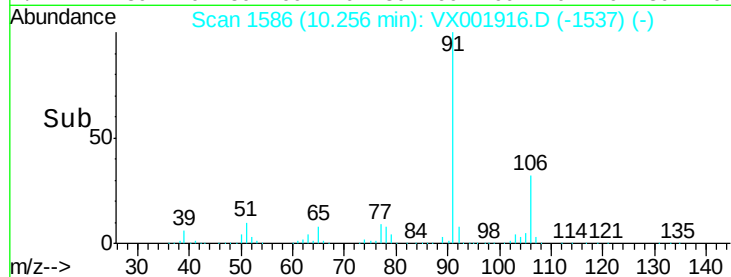
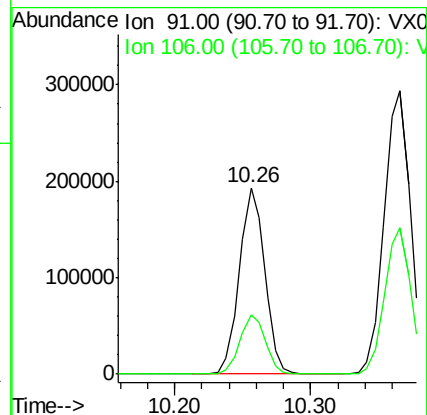
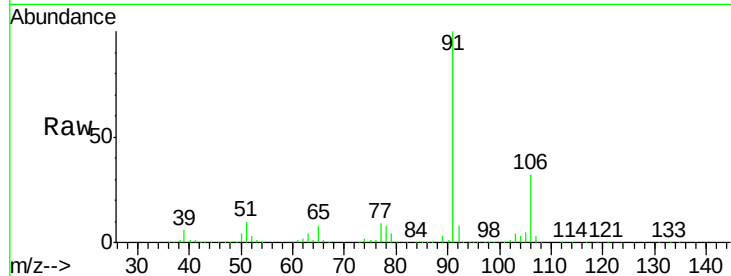
ClientSampleId :

Tot Ion: 91 Resp: 251517

Ion Ratio Lower Upper

91 100

106 32.1 25.7 38.5



#68

m/p-Xylenes

Concen: 42.29 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001916.D

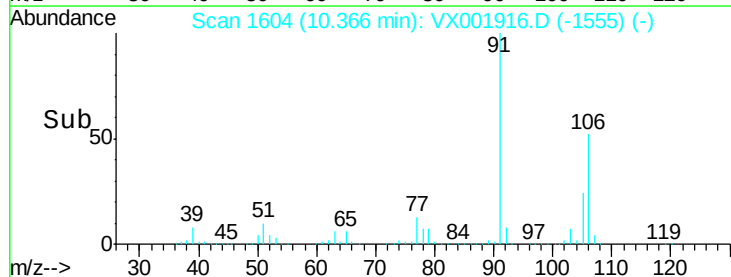
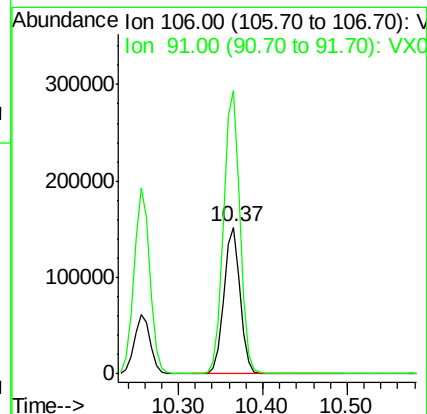
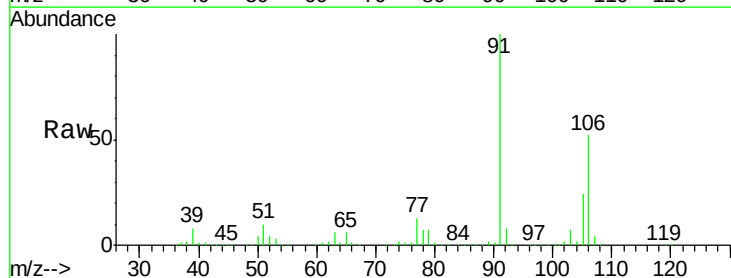
Acq: 23 May 2018 01:52

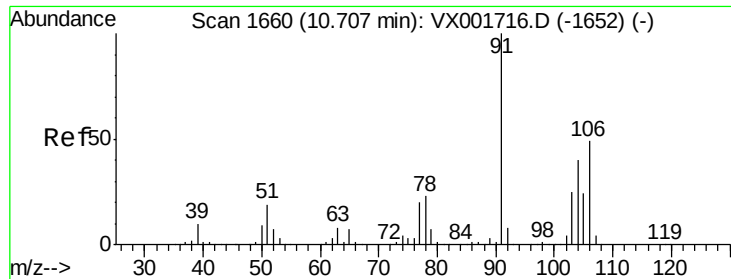
Tgt Ion: 106 Resp: 203750

Ion Ratio Lower Upper

106 100

91 195.3 155.4 233.2

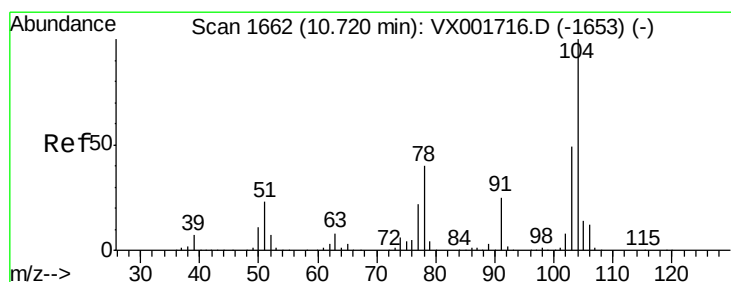
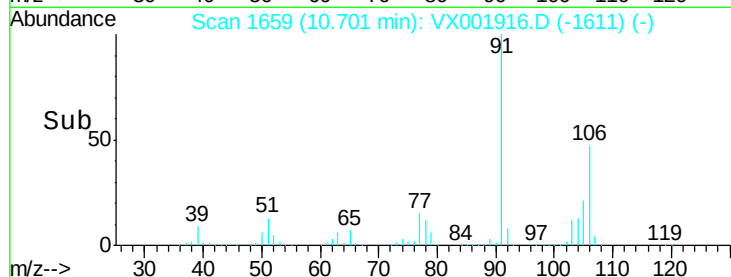
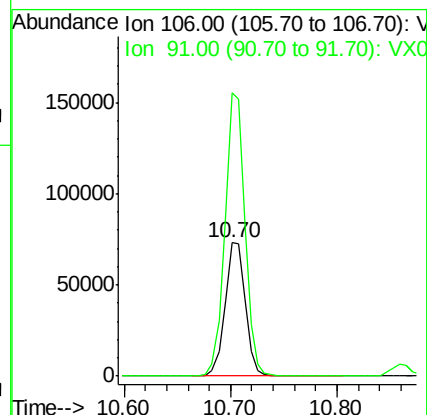
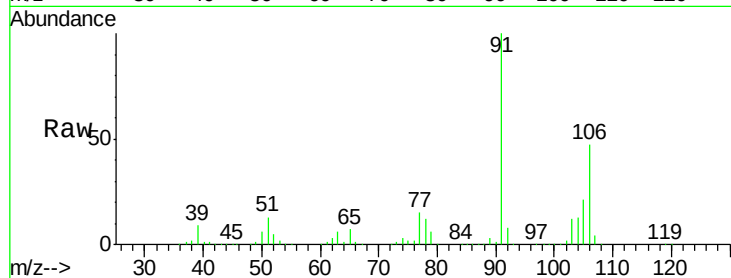




#69
o-Xylene
Concen: 21.12 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

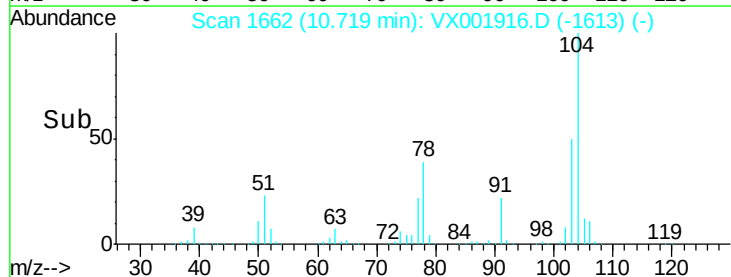
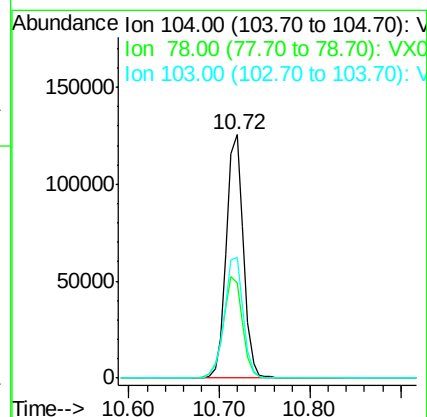
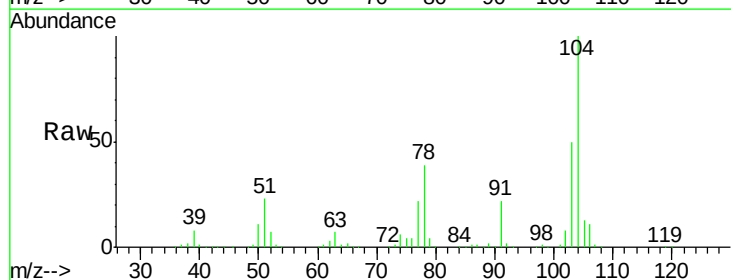
Instrument :
MSVOA_X
ClientSampleId :

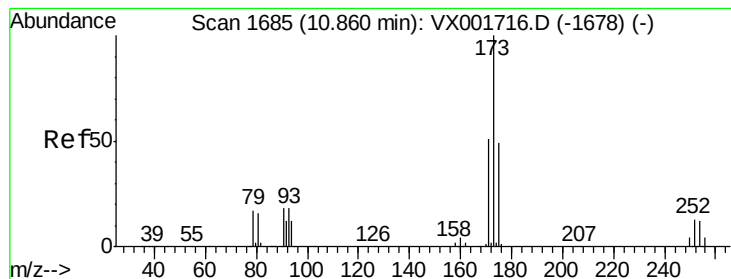
Tot Ion:106 Resp: 97442
Ion Ratio Lower Upper
106 100
91 209.5 103.4 310.2



#70
Styrene
Concen: 21.75 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion:104 Resp: 165547
Ion Ratio Lower Upper
104 100
78 46.9 37.3 55.9
103 54.4 43.7 65.5





#71

Bromoform

Concen: 20.65 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

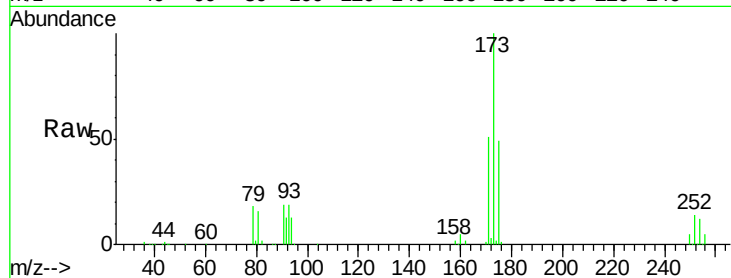
Tot Ion:173 Resp: 47273

Ion Ratio Lower Upper

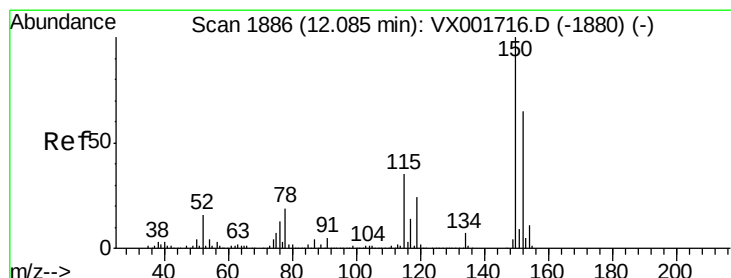
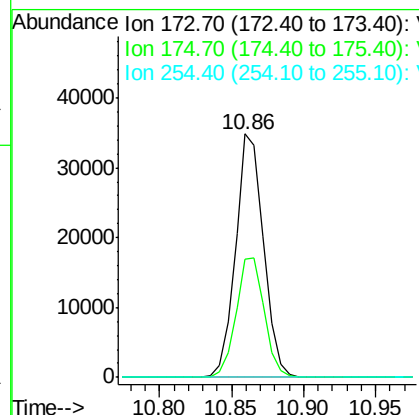
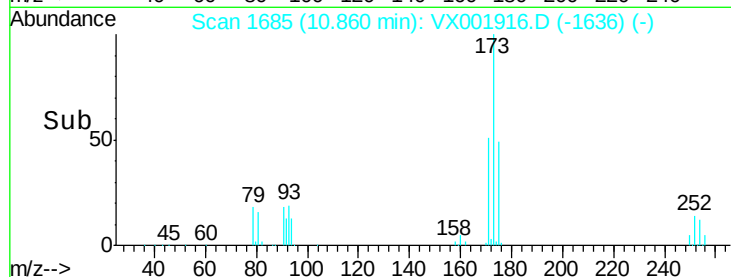
173 100

175 49.6 24.3 72.8

254 0.1 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: VX001916.D

Acq: 23 May 2018 01:52

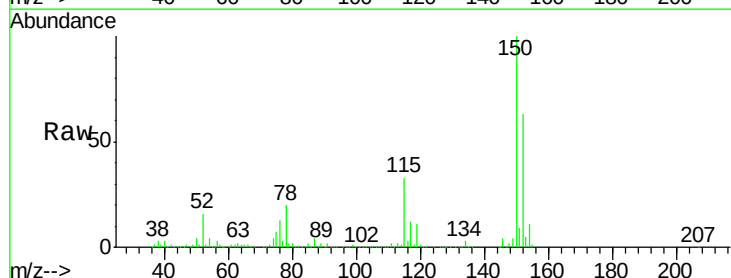
Tgt Ion:152 Resp: 186191

Ion Ratio Lower Upper

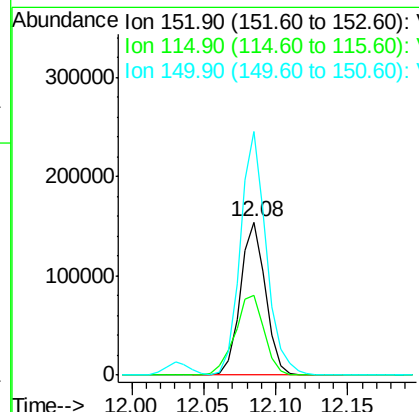
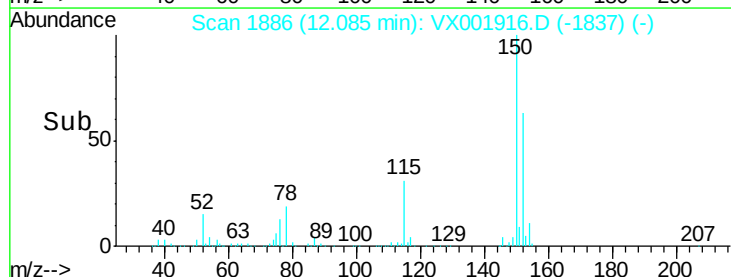
152 100

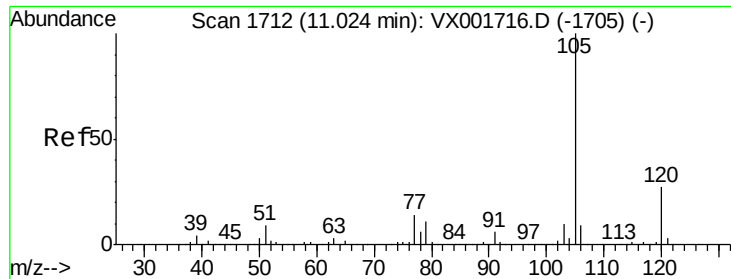
115 61.3 37.4 112.2

150 164.6 0.0 344.8



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: 21.86 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

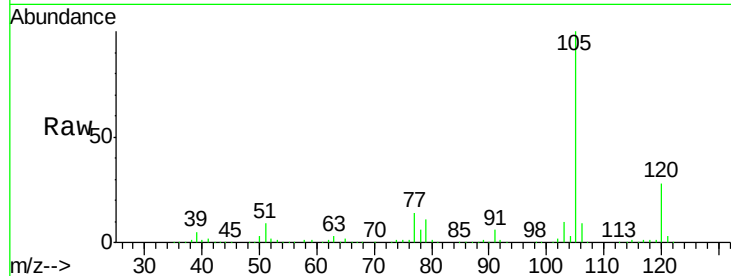
ClientSampleId :

Tot Ion:105 Resp: 268005

Ion Ratio Lower Upper

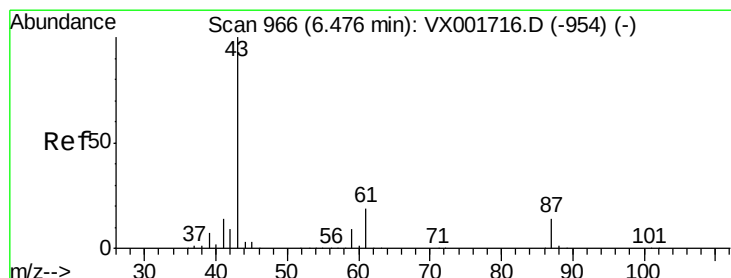
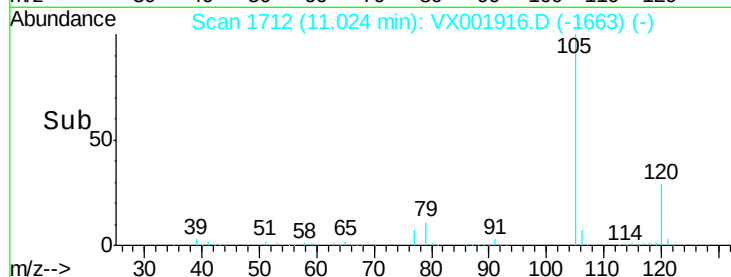
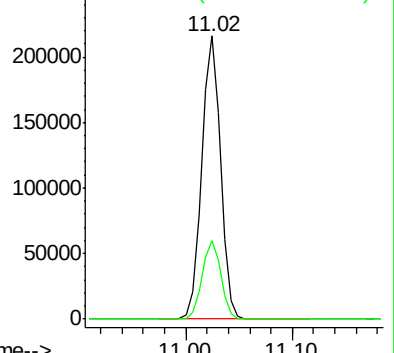
105 100

120 27.6 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.83 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Tgt Ion: 43 Resp: 140089

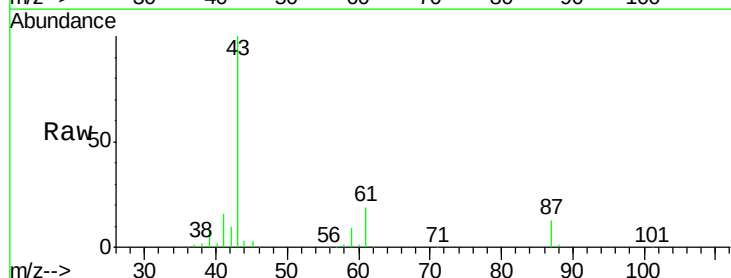
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 19.6 15.8 23.8

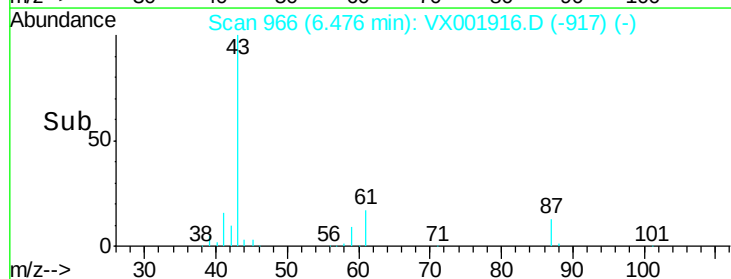
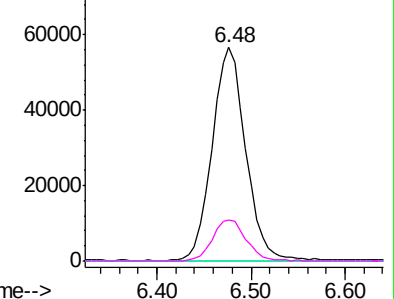


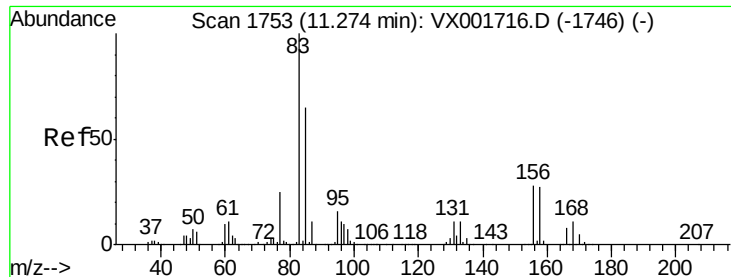
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.16 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

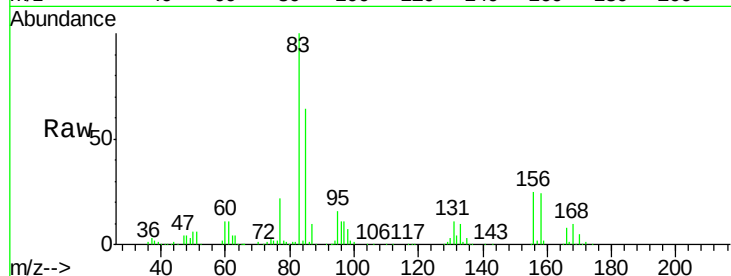
Tot Ion: 83 Resp: 85172

Ion Ratio Lower Upper

83 100

131 11.2 5.7 17.0

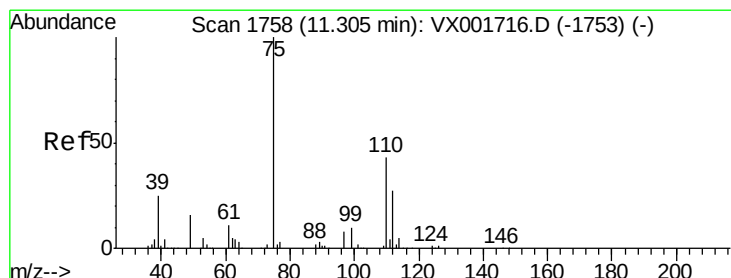
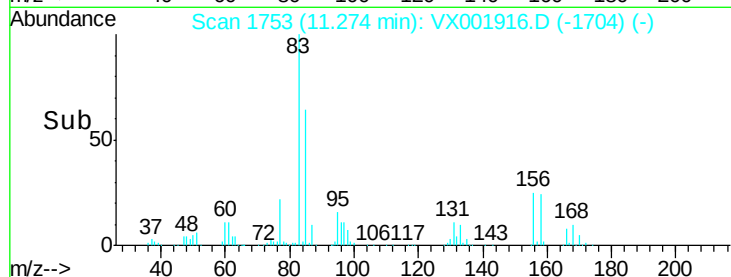
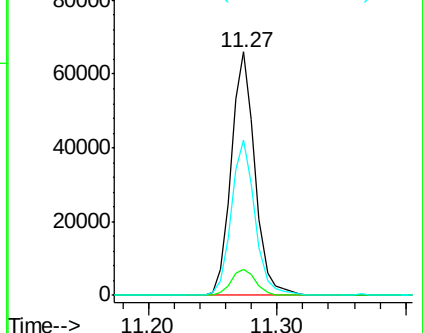
85 63.6 32.7 98.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 26.40 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX001916.D

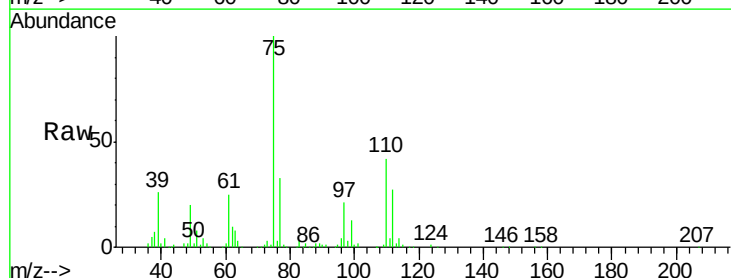
Acq: 23 May 2018 01:52

Tgt Ion: 75 Resp: 93466

Ion Ratio Lower Upper

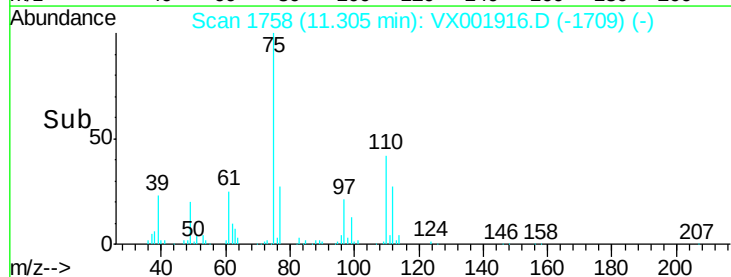
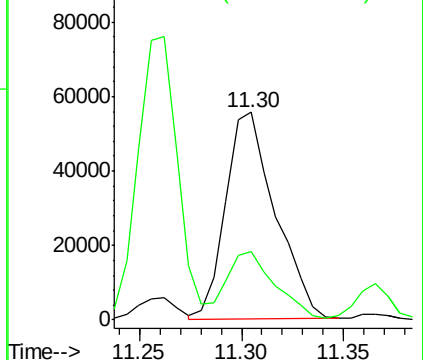
75 100

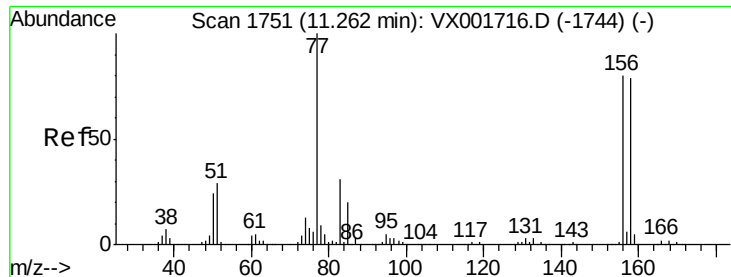
77 33.3 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.73 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

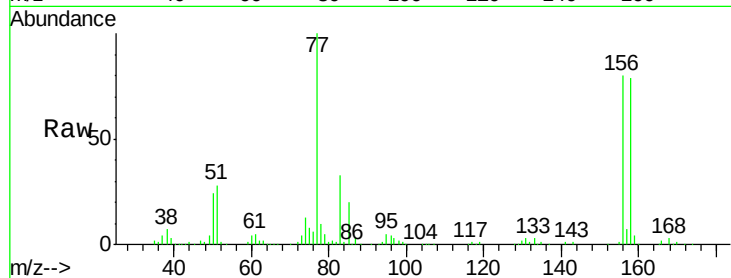
Tot Ion:156 Resp: 78282

Ion Ratio Lower Upper

156 100

77 130.6 65.3 196.0

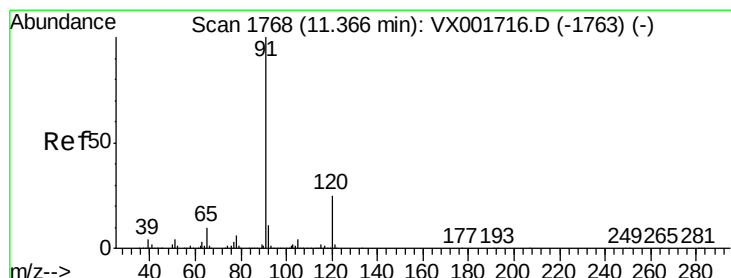
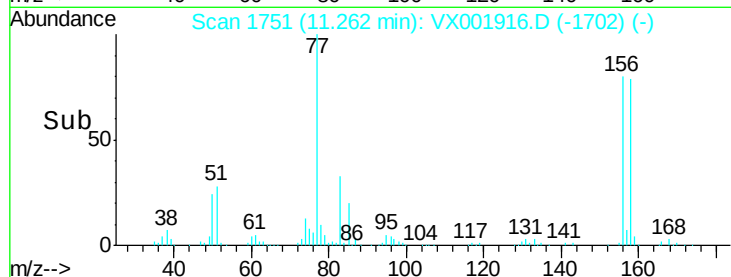
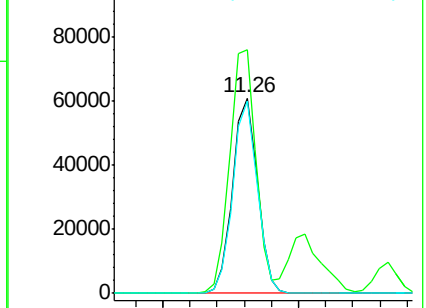
158 97.1 49.1 147.3



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: 21.26 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001916.D

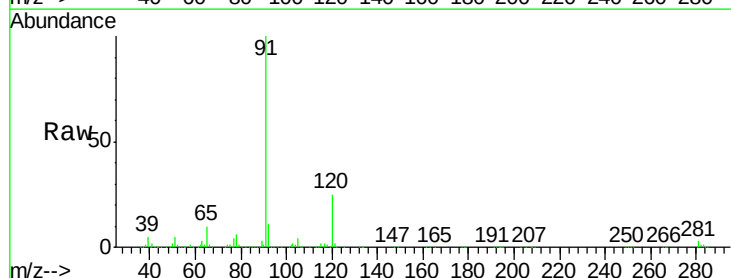
Acq: 23 May 2018 01:52

Tgt Ion: 91 Resp: 293630

Ion Ratio Lower Upper

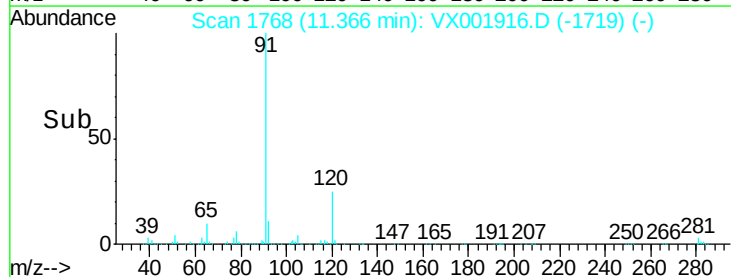
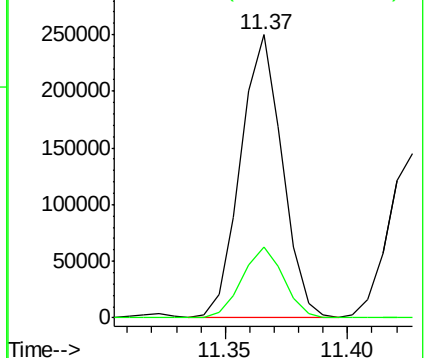
91 100

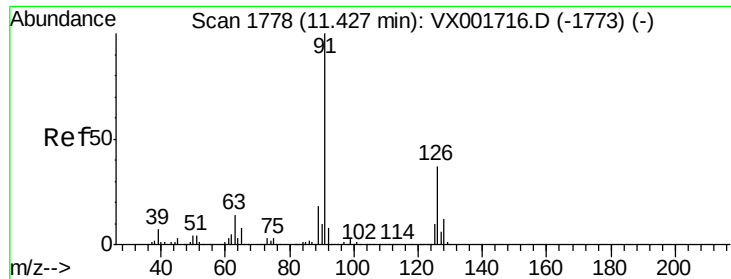
120 25.2 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.74 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

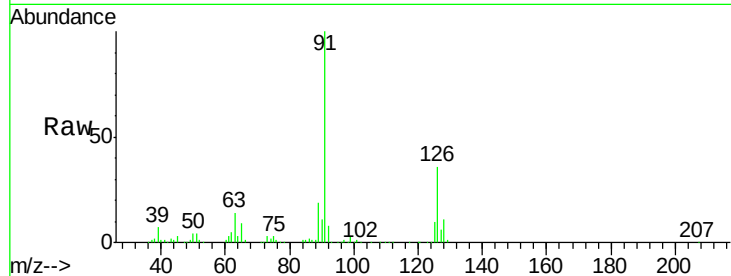
ClientSampleId :

Tot Ion: 91 Resp: 179595

Ion Ratio Lower Upper

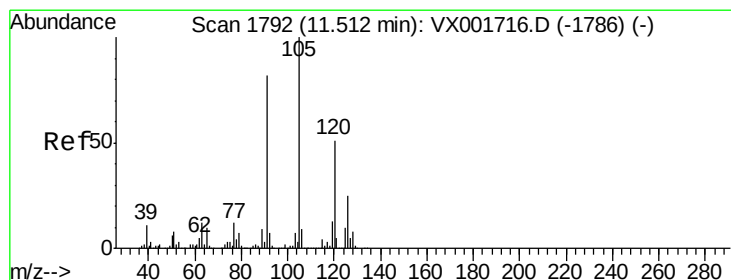
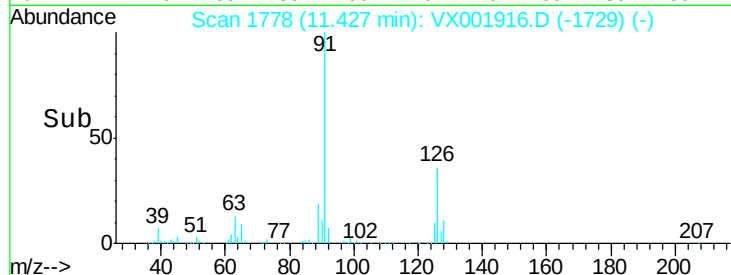
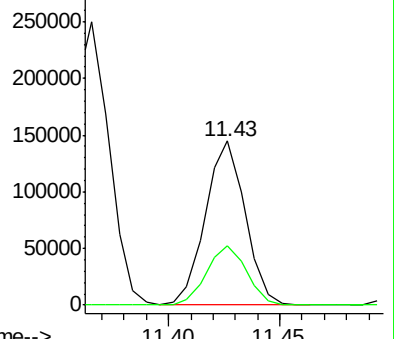
91 100

126 36.4 18.4 55.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.97 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001916.D

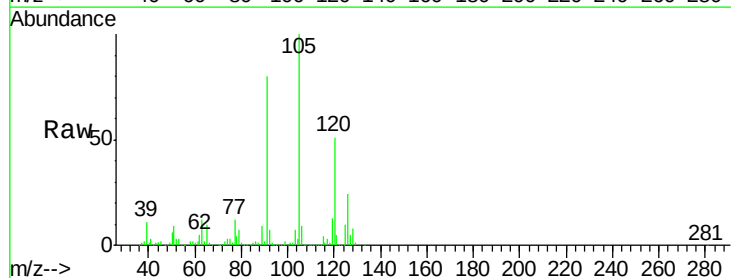
Acq: 23 May 2018 01:52

Tgt Ion:105 Resp: 221005

Ion Ratio Lower Upper

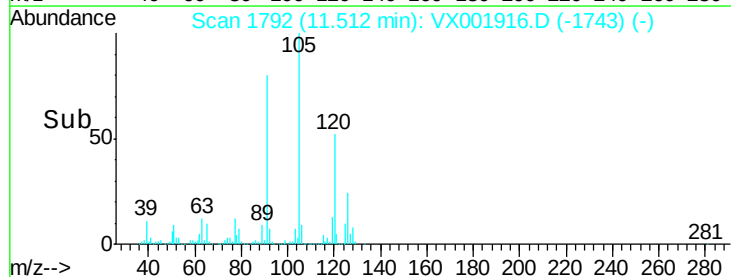
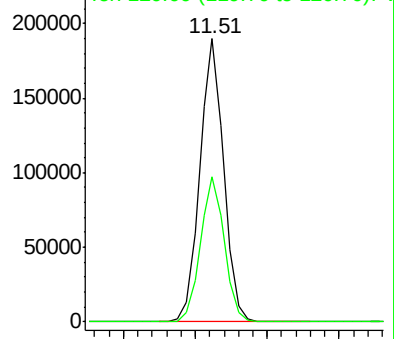
105 100

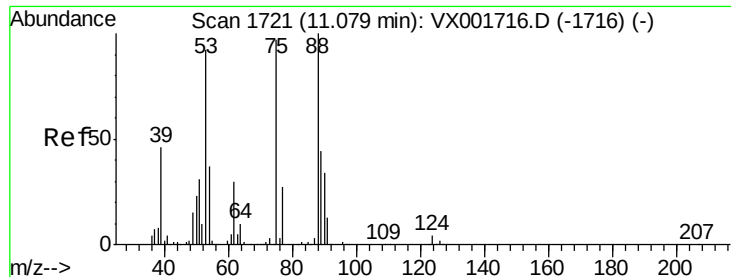
120 51.6 25.7 77.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.02 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampled :

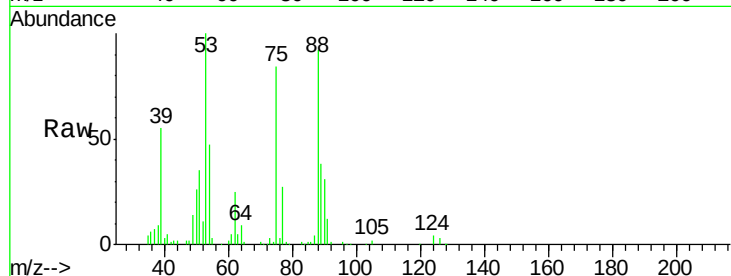
Tot Ion: 75 Resp: 18721

Ion Ratio Lower Upper

75 100

53 114.5 79.4 119.2

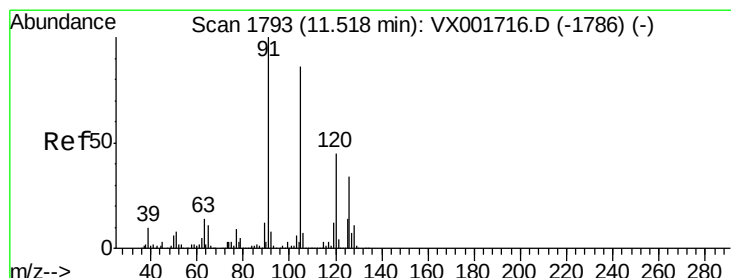
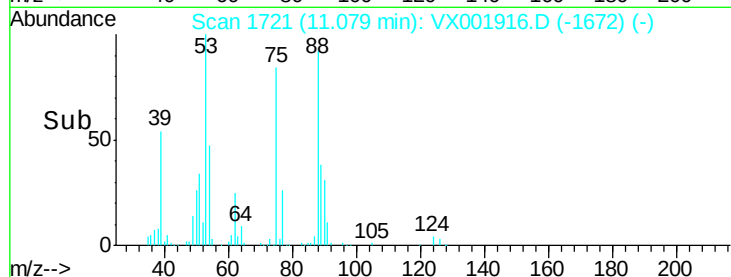
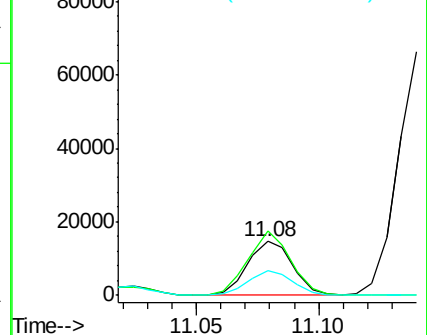
89 46.0 38.8 58.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 21.34 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX001916.D

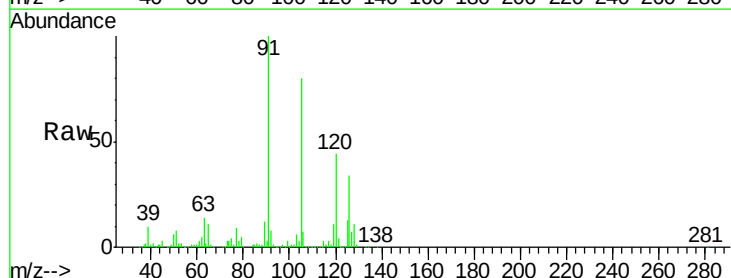
Acq: 23 May 2018 01:52

Tgt Ion: 91 Resp: 207750

Ion Ratio Lower Upper

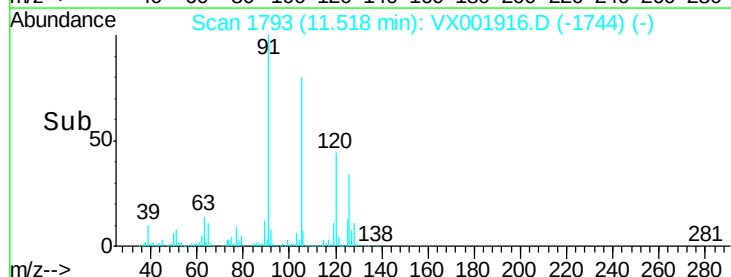
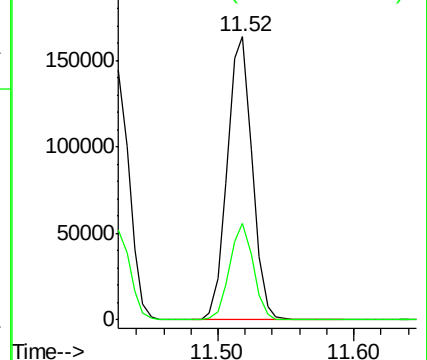
91 100

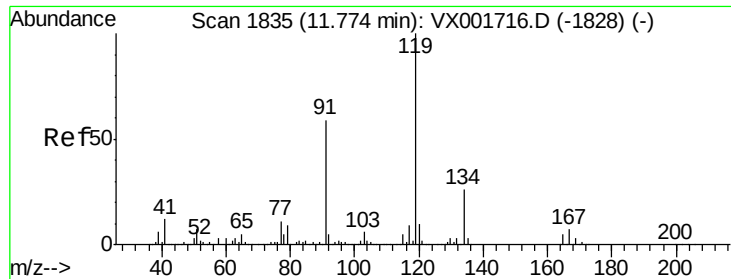
126 32.4 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

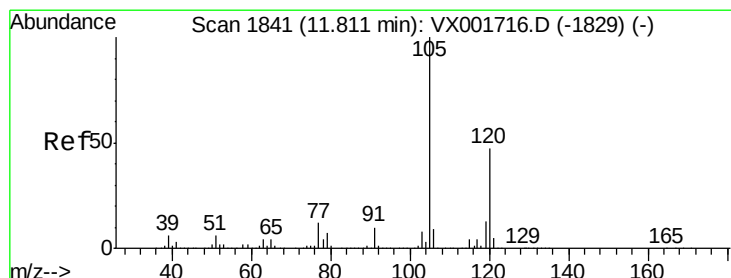
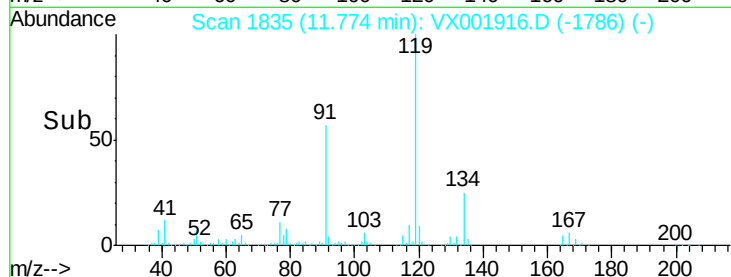
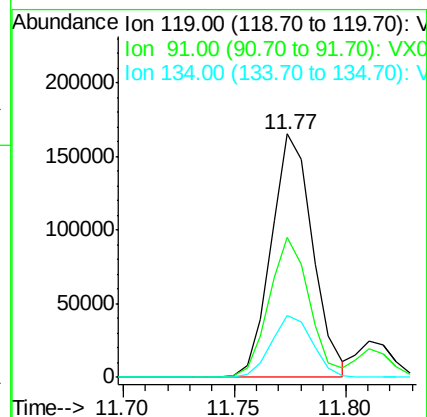
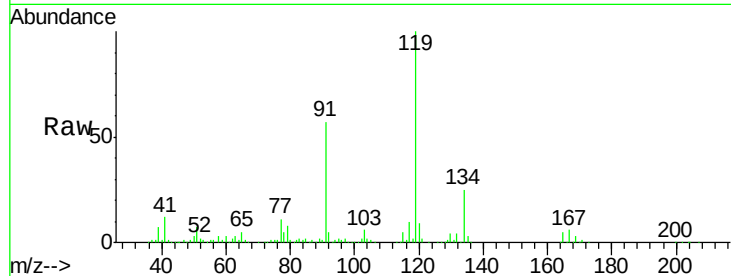




#83
 tert-Butylbenzene
 Concen: 21.33 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

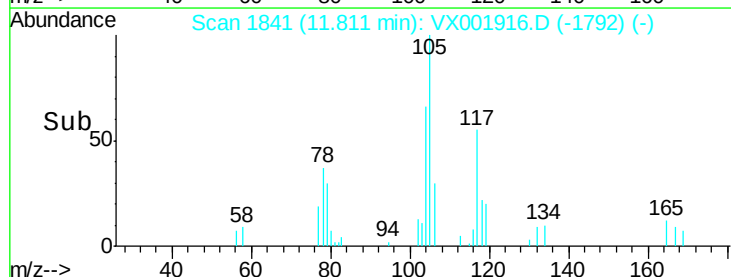
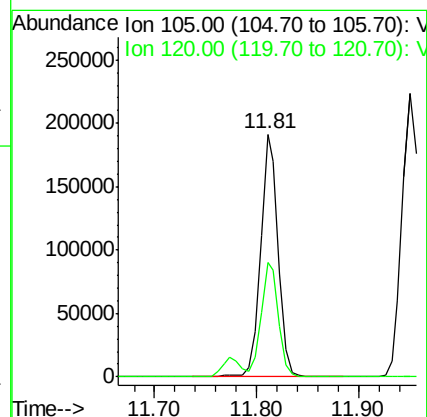
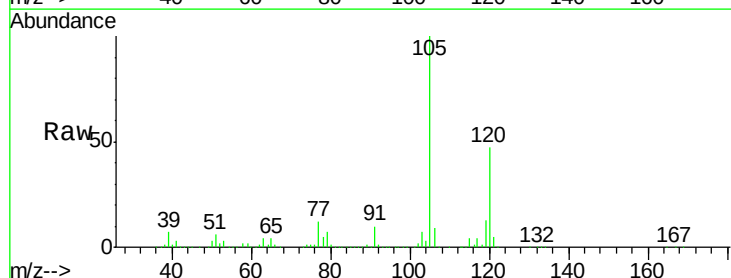
Instrument :
 MSVOA_X
 ClientSampled :

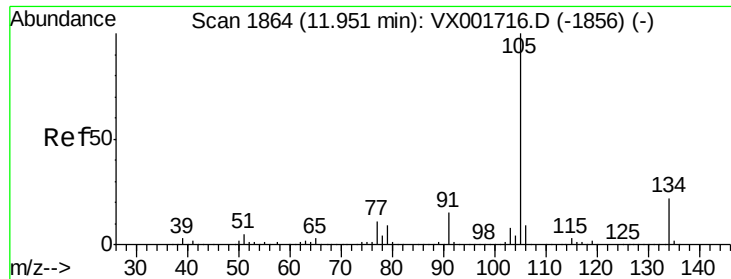
Tot Ion:119 Resp: 213536
 Ion Ratio Lower Upper
 119 100
 91 55.7 27.7 83.0
 134 25.4 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 22.12 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Tgt Ion:105 Resp: 230380
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.5 70.5





#85

sec-Butylbenzene

Concen: 21.65 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

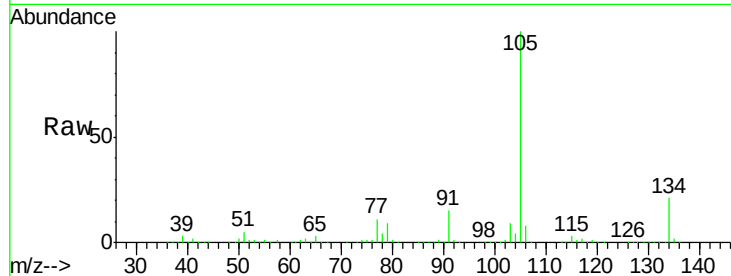
ClientSampled :

Tot Ion:105 Resp: 267524

Ion Ratio Lower Upper

105 100

134 21.8 10.9 32.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

200000

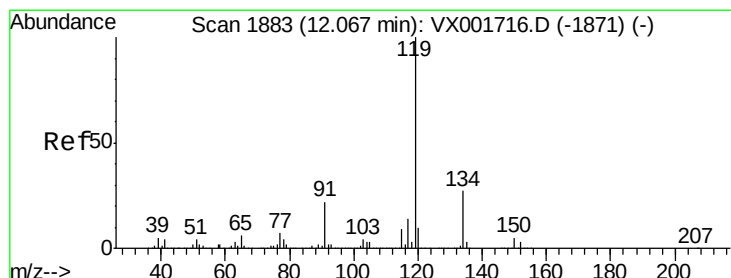
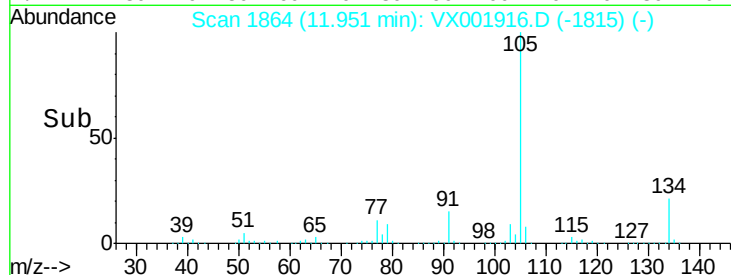
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.45 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

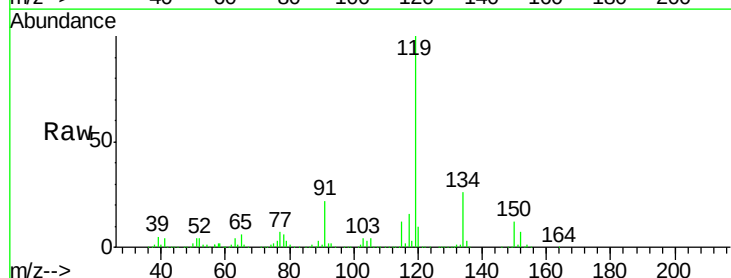
Tgt Ion:119 Resp: 245310

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

91 22.0 10.7 32.1



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

12.07

200000

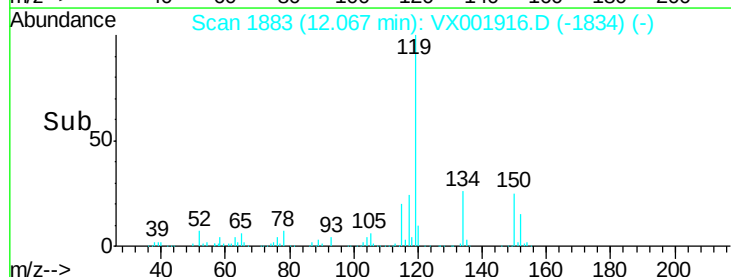
150000

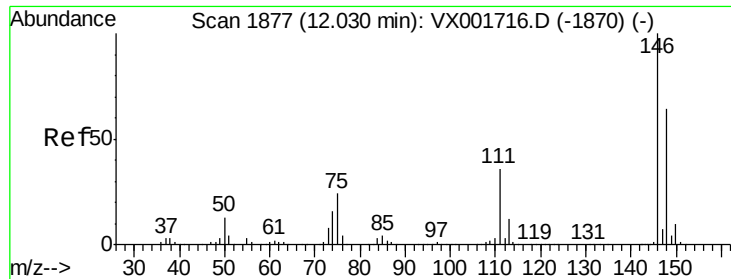
100000

50000

0

Time-->

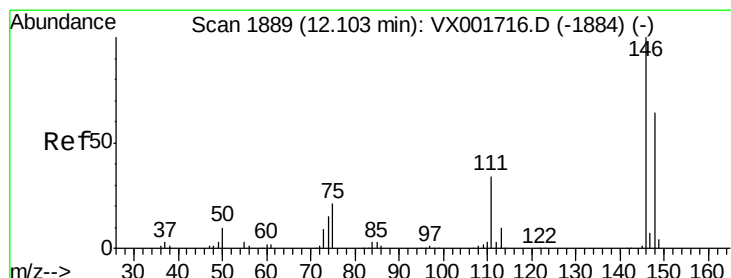
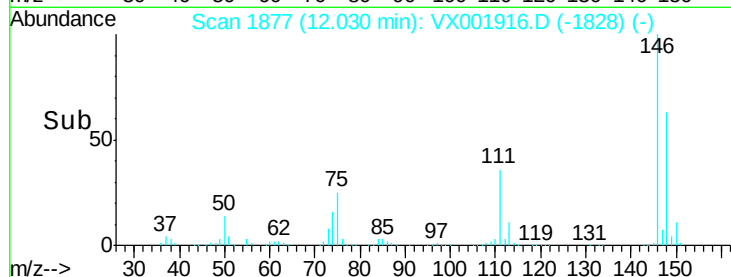
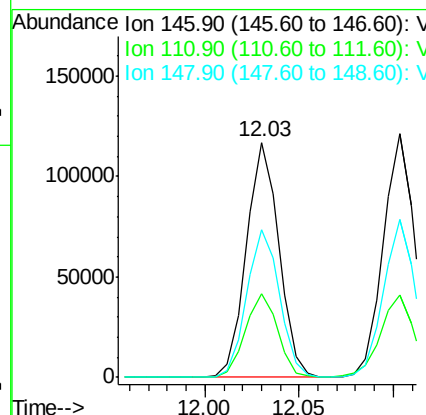
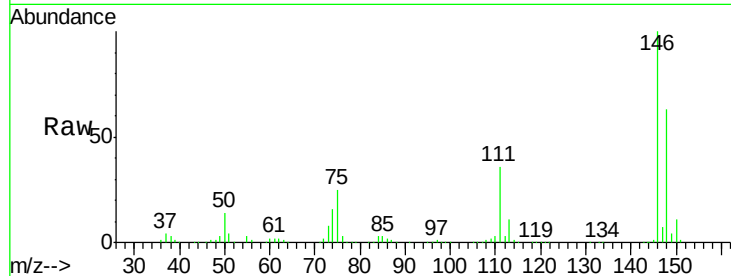




#87
 1,3-Dichlorobenzene
 Concen: 21.05 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

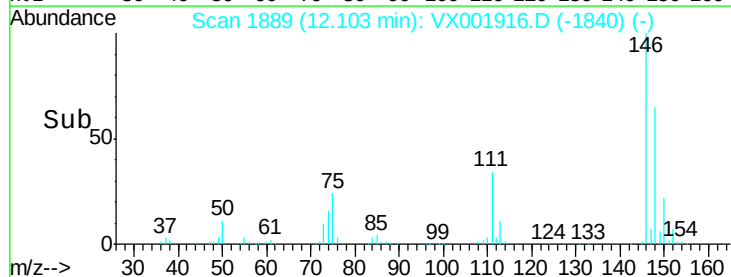
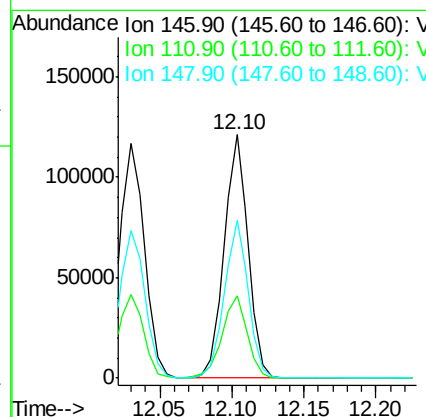
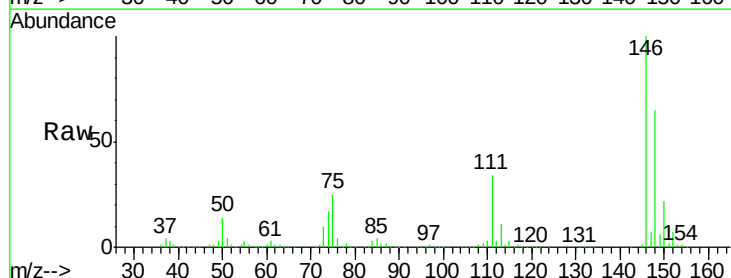
Instrument :
 MSVOA_X
 ClientSampleId :

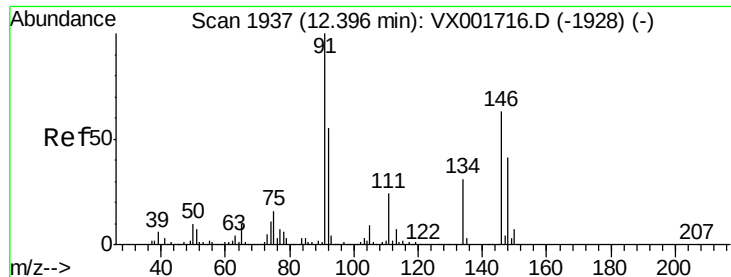
Tot Ion:146 Resp: 140250
 Ion Ratio Lower Upper
 146 100
 111 35.4 17.8 53.4
 148 63.3 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.60 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Tgt Ion:146 Resp: 141906
 Ion Ratio Lower Upper
 146 100
 111 35.7 17.3 52.0
 148 64.9 32.3 96.9

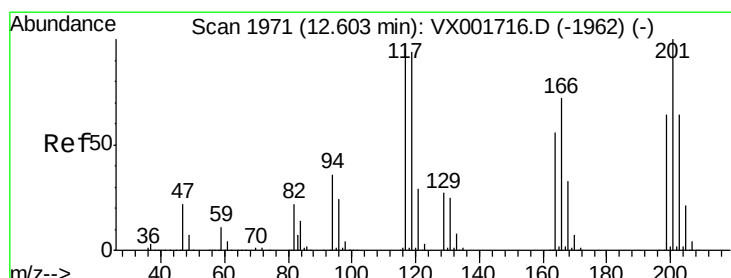
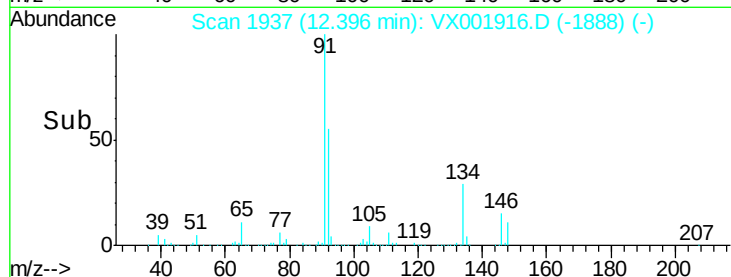
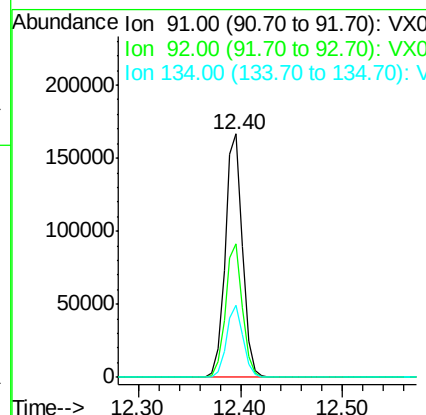
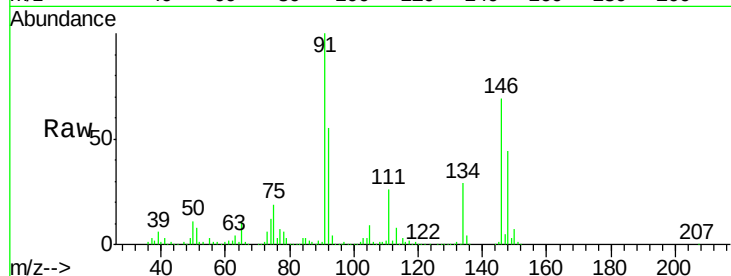




#89
n-Butylbenzene
Concen: 19.88 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

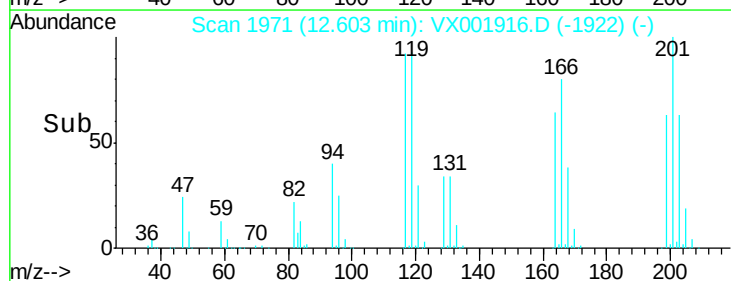
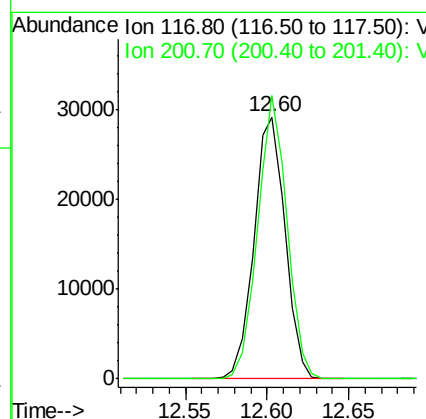
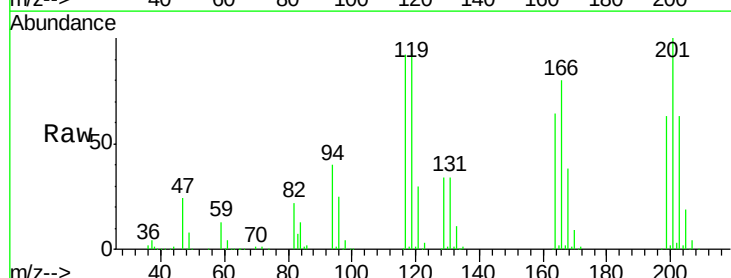
Instrument :
MSVOA_X
ClientSampled :

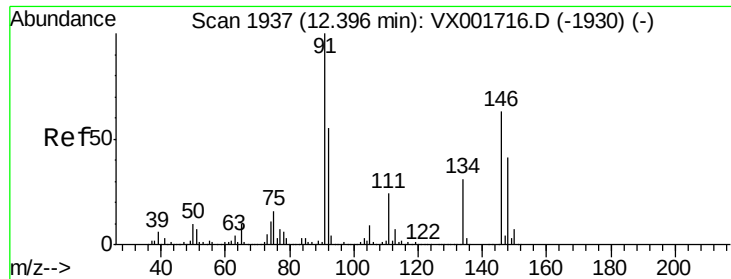
Tot Ion: 91 Resp: 196557
Ion Ratio Lower Upper
91 100
92 53.9 27.3 81.9
134 28.3 14.7 44.1



#90
Hexachloroethane
Concen: 21.80 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion: 117 Resp: 38713
Ion Ratio Lower Upper
117 100
201 101.8 51.9 155.7

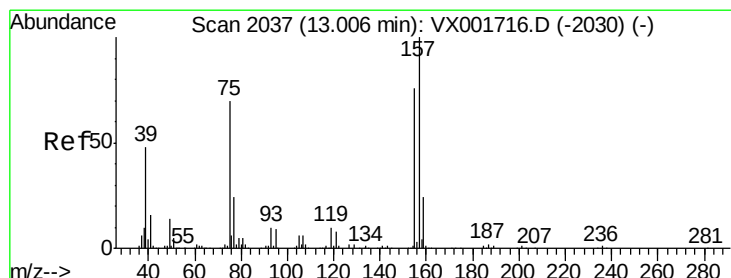
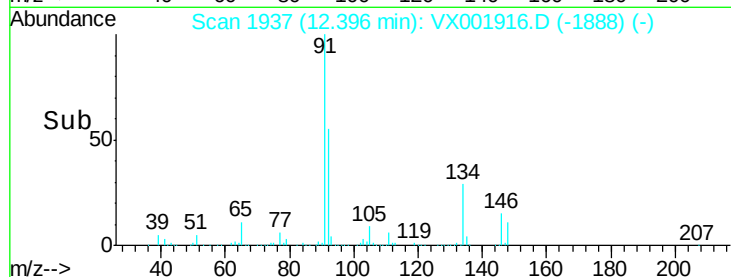
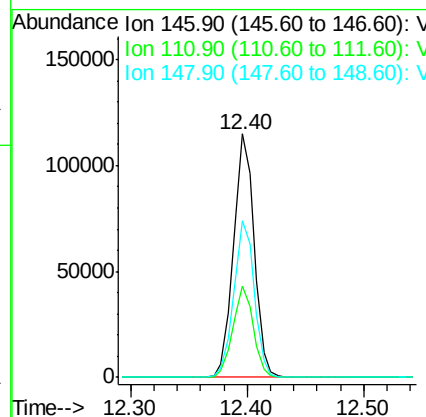
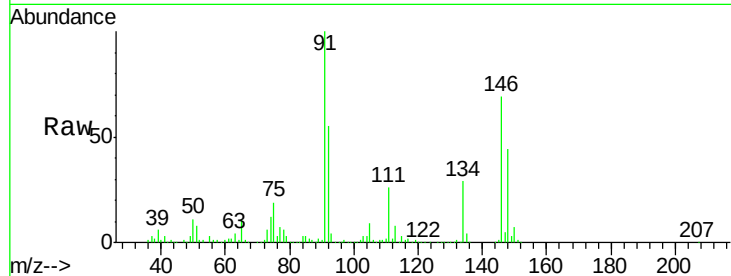




#91
 1,2-Dichlorobenzene
 Concen: 21.34 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

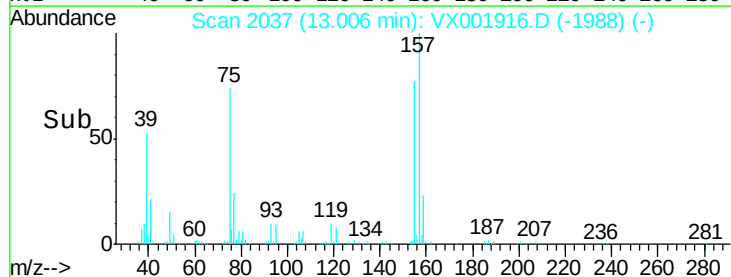
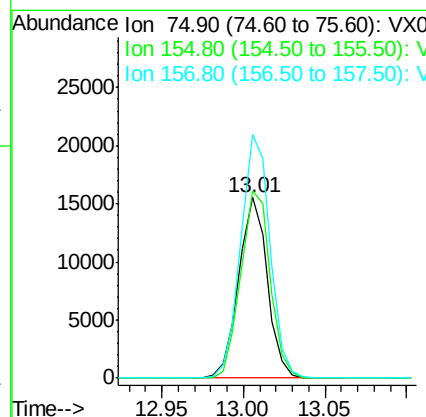
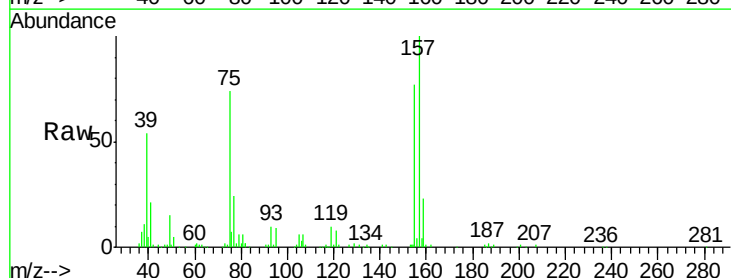
Instrument :
 MSVOA_X
 ClientSampleId :

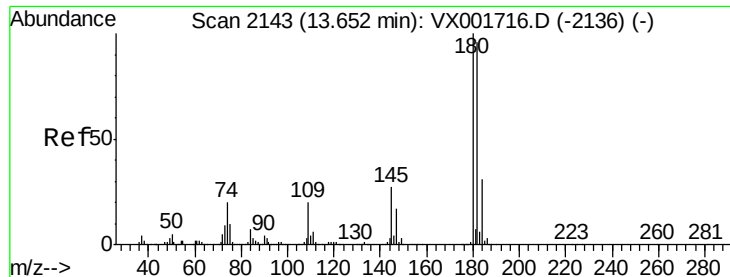
Tot Ion:146 Resp: 141647
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.6 56.0
 148 64.1 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.16 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Tgt Ion: 75 Resp: 18966
 Ion Ratio Lower Upper
 75 100
 155 107.1 53.9 161.8
 157 138.1 71.0 213.2

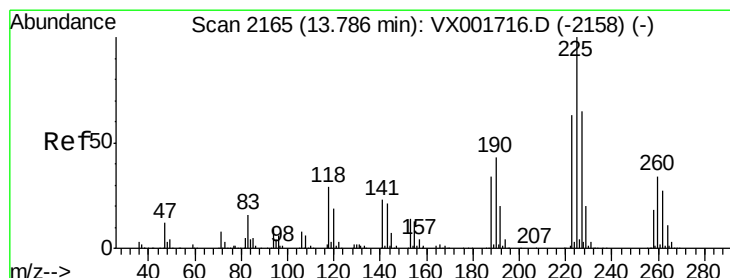
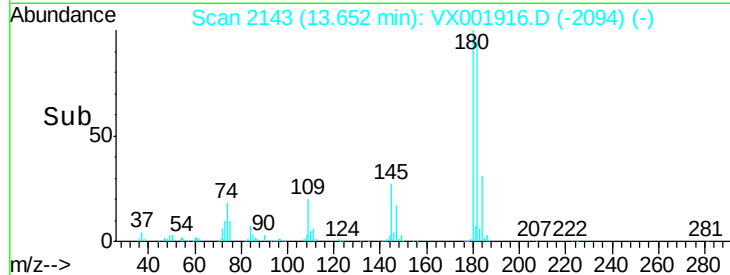
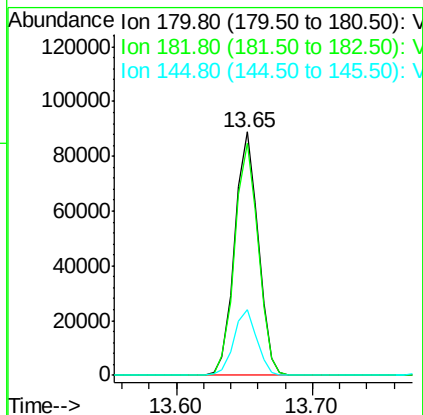
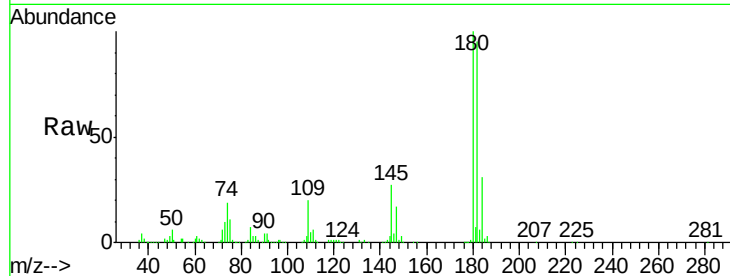




#93
 1,2,4-Trichlorobenzene
 Concen: 20.18 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

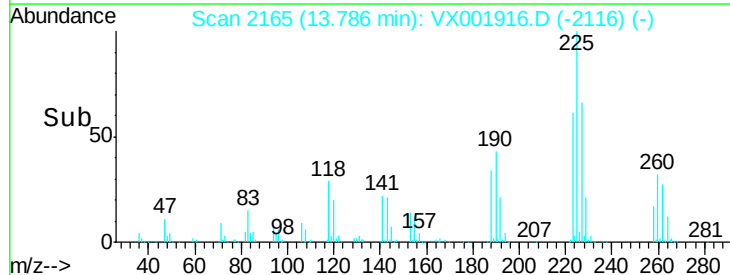
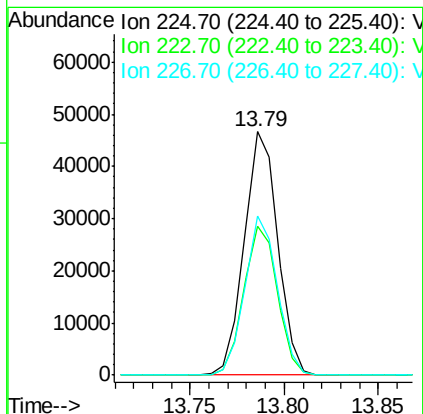
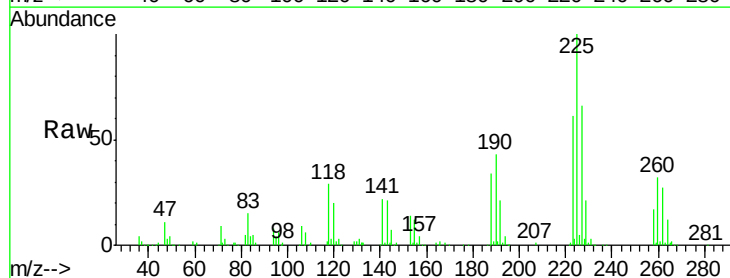
Instrument :
 MSVOA_X
 ClientSampled :

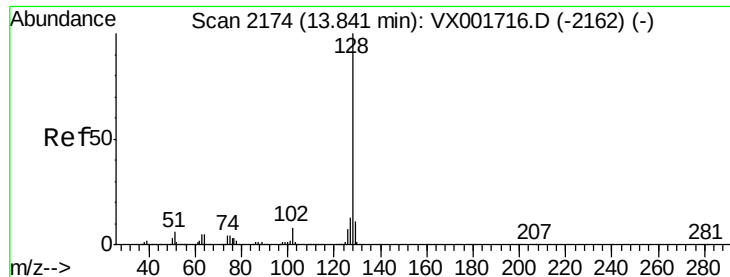
Tot Ion:180 Resp: 106771
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.6 142.9
 145 26.5 13.4 40.1



#94
 Hexachlorobutadiene
 Concen: 20.23 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Tgt Ion:225 Resp: 57476
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.1 93.5
 227 63.7 31.9 95.5

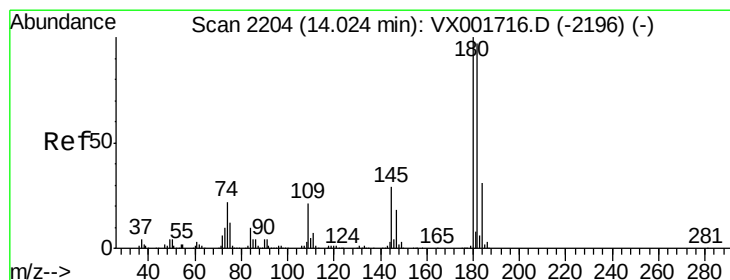
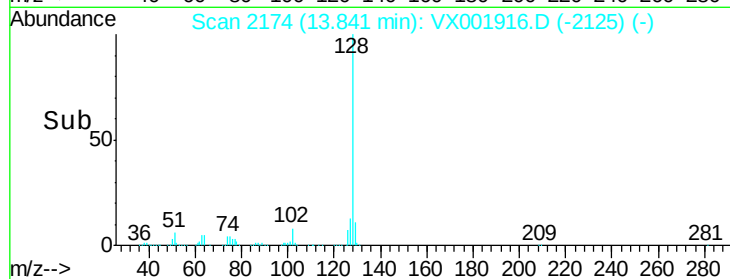
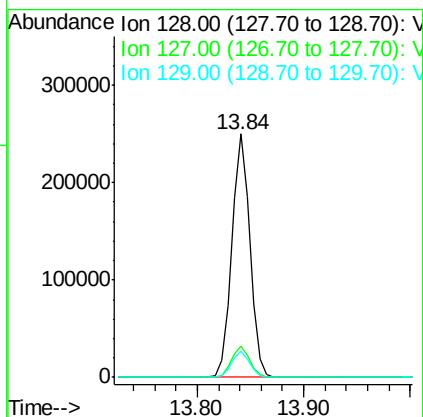
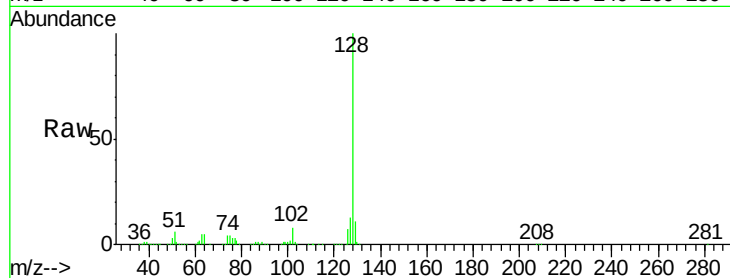




#95
Naphthalene
Concen: 21.71 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 298588
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 10.8 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 20.99 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion:180 Resp: 111846
Ion Ratio Lower Upper
180 100
182 95.1 47.9 143.7
145 28.1 14.2 42.8

