

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001821.D
 Acq On : 18 May 2018 12:30
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 19 02:20:26 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	313672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	391260	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	311289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	206612	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	179087	42.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.18%	
35) Dibromofluoromethane	5.51	113	162350	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
50) Toluene-d8	8.72	98	611925	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
62) 4-Bromofluorobenzene	11.14	95	188469	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	140210	44.54	ug/l	100
3) Chloromethane	1.32	50	160995	47.35	ug/l	99
4) Vinyl Chloride	1.40	62	167880	45.67	ug/l	100
5) Bromomethane	1.64	94	63596	40.50	ug/l	96
6) Chloroethane	1.71	64	106556	46.02	ug/l	98
7) Trichlorofluoromethane	1.93	101	241413	45.19	ug/l	99
8) Diethyl Ether	2.19	74	100529	45.72	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	154819	48.14	ug/l	98
10) Methyl Iodide	2.51	142	184474	62.35	ug/l	98
11) Tert butyl alcohol	3.08	59	183671	246.06	ug/l	99
12) 1,1-Dichloroethene	2.37	96	139018	44.84	ug/l	98
13) Acrolein	2.29	56	105940	200.11	ug/l	99
14) Allyl chloride	2.73	41	270108	47.13	ug/l	97
15) Acrylonitrile	3.15	53	441232	235.34	ug/l	100
16) Acetone	2.45	43	400118	242.30	ug/l	99
17) Carbon Disulfide	2.57	76	328420	40.61	ug/l	99
18) Methyl Acetate	2.78	43	243590	50.46	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	481382	46.07	ug/l	99
20) Methylene Chloride	2.85	84	159021	44.99	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	147977	43.33	ug/l	99
22) Diisopropyl ether	3.87	45	516465	46.98	ug/l	97
23) Vinyl Acetate	3.83	43	1735866	219.16	ug/l	100
24) 1,1-Dichloroethane	3.70	63	280962	46.60	ug/l	99
25) 2-Butanone	4.71	43	636697	251.83	ug/l	96
26) 2,2-Dichloropropane	4.59	77	226279	46.62	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	181698	46.75	ug/l	98
28) Bromochloromethane	5.02	49	139821	52.21	ug/l	99
29) Tetrahydrofuran	5.17	42	399805	242.60	ug/l	99
30) Chloroform	5.22	83	295427	46.65	ug/l	100
31) Cyclohexane	5.57	56	259313	49.07	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	257449	47.04	ug/l	100
36) 1,1-Dichloropropene	5.80	75	218905	48.60	ug/l	99
37) Ethyl Acetate	4.87	43	234166	49.89	ug/l	99
38) Carbon Tetrachloride	5.78	117	232096	49.19	ug/l	99

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 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	281844	53.56	ug/l	99
40) Benzene	6.15	78	672504	50.68	ug/l	100
41) Methacrylonitrile	5.07	41	135823	50.04	ug/l	99
42) 1,2-Dichloroethane	6.20	62	223080	46.48	ug/l	98
43) Isopropyl Acetate	6.48	43	363178	49.44	ug/l	99
44) Trichloroethene	7.21	130	202564	49.18	ug/l	98
45) 1,2-Dichloropropane	7.52	63	166821	51.23	ug/l	99
46) Dibromomethane	7.66	93	111210	48.64	ug/l	97
47) Bromodichloromethane	7.90	83	215914	50.89	ug/l	96
48) Methyl methacrylate	7.78	41	197038	50.95	ug/l	97
49) 1,4-Dioxane	7.76	88	87815	1179.46	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	1230520	264.31	ug/l	99
52) Toluene	8.79	92	441076	51.73	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	262680	52.62	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	230879	52.47	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	175485	53.84	ug/l	98
56) Ethyl methacrylate	9.19	69	252188	54.56	ug/l	98
57) 1,3-Dichloropropane	9.38	76	252876	46.34	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	646350	271.84	ug/l	99
59) 2-Hexanone	9.51	43	798763	239.67	ug/l	99
60) Dibromochloromethane	9.59	129	160588	48.11	ug/l	100
61) 1,2-Dibromoethane	9.68	107	155491	45.57	ug/l	99
64) Tetrachloroethene	9.34	164	226546	55.91	ug/l	98
65) Chlorobenzene	10.15	112	421838	49.27	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	158913	52.55	ug/l	98
67) Ethyl Benzene	10.26	91	701815	51.29	ug/l	100
68) m/p-Xylenes	10.37	106	558689	103.48	ug/l	100
69) o-Xylene	10.71	106	272124	52.63	ug/l	99
70) Styrene	10.72	104	448070	52.54	ug/l	100
71) Bromoform	10.86	173	132900	47.38	ug/l	99
73) Isopropylbenzene	11.02	105	731225	53.74	ug/l	100
74) N-amyl acetate	6.48	43	363178	55.67	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	205167	50.27	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	244800	62.31	ug/l	90
77) Bromobenzene	11.26	156	203876	50.99	ug/l	100
78) n-propylbenzene	11.37	91	818290	53.38	ug/l	99
79) 2-Chlorotoluene	11.43	91	481042	52.47	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	614020	55.01	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	60222	45.96	ug/l	98
82) 4-Chlorotoluene	11.52	91	556905	51.56	ug/l	100
83) tert-Butylbenzene	11.77	119	603338	54.31	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	634539	54.89	ug/l	100
85) sec-Butylbenzene	11.95	105	749112	54.63	ug/l	100
86) p-Isopropyltoluene	12.07	119	694892	54.77	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	374157	50.60	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	375079	49.06	ug/l	100
89) n-Butylbenzene	12.40	91	565963	51.57	ug/l	100
90) Hexachloroethane	12.60	117	109721	55.68	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	376226	51.07	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	45893	52.68	ug/l	96

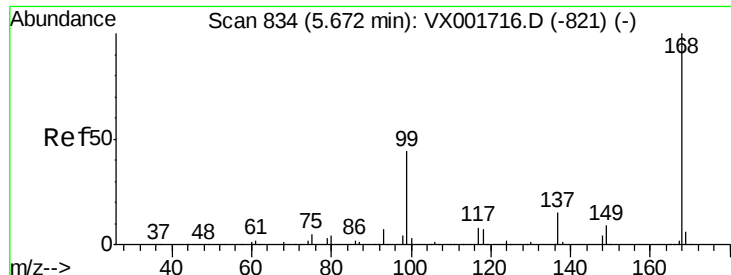
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
Quant Title : SW846 8260
QLast Update : Tue May 15 01:36:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	295098	50.25	ug/l	100
94) Hexachlorobutadiene	13.79	225	166251	52.73	ug/l	100
95) Naphthalene	13.84	128	801807	52.53	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	302021	51.07	ug/l	99

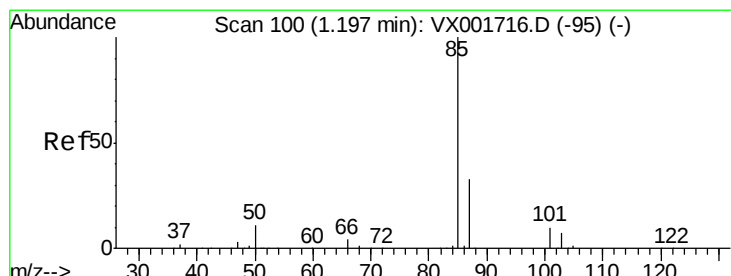
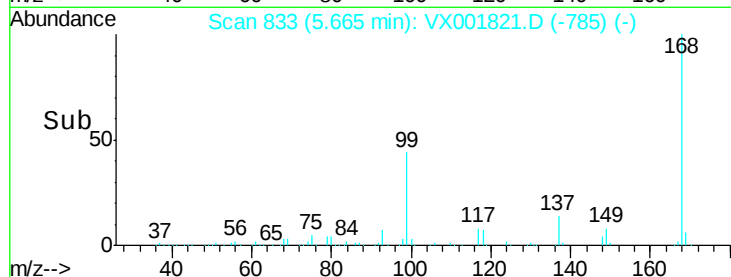
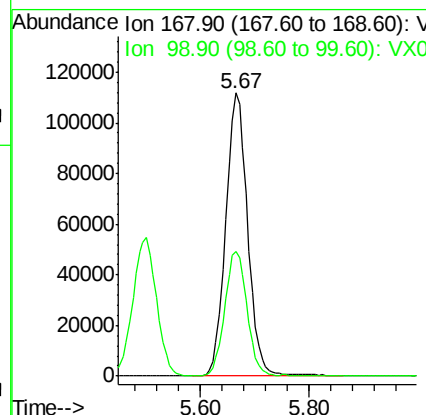
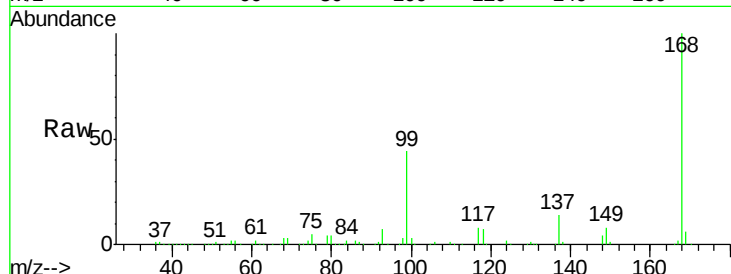
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.01 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

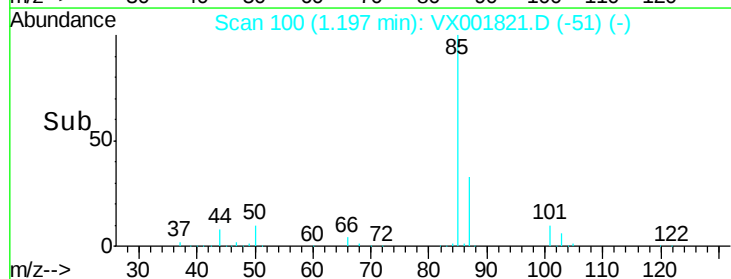
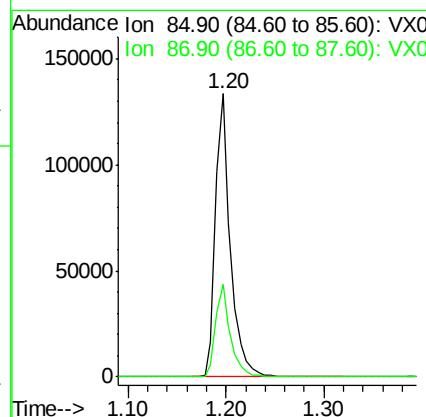
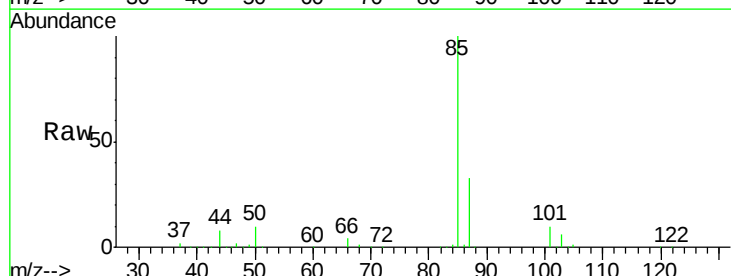
Instrument :
MSVOA_X
ClientSampleId :

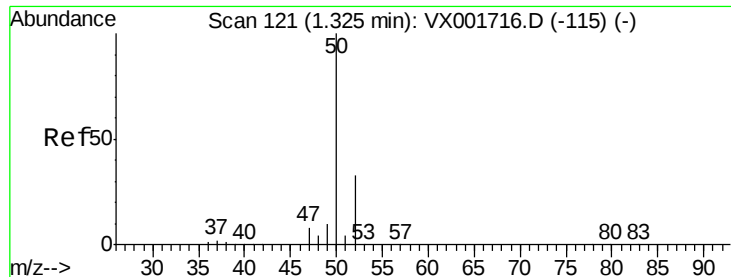
Tot Ion:168 Resp: 313672
Ion Ratio Lower Upper
168 100
99 43.8 35.0 52.4



#2
Dichlorodifluoromethane
Concen: 44.54 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.00 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

Tgt Ion: 85 Resp: 140210
Ion Ratio Lower Upper
85 100
87 32.9 16.4 49.2





#3

Chloromethane

Concen: 47.35 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Instrument :

MSVOA_X

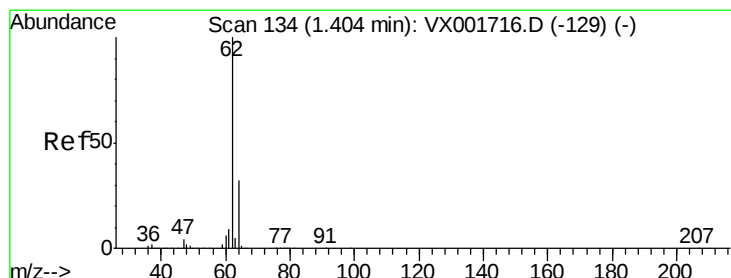
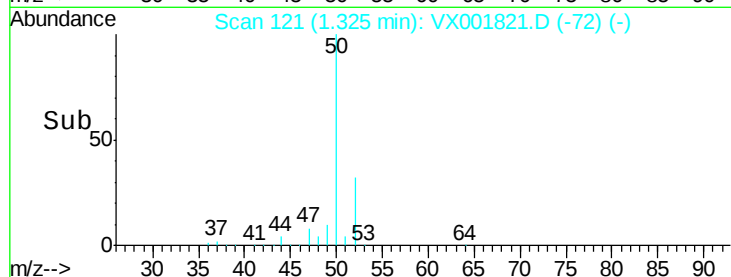
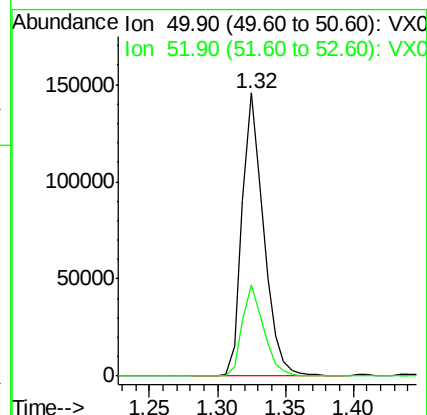
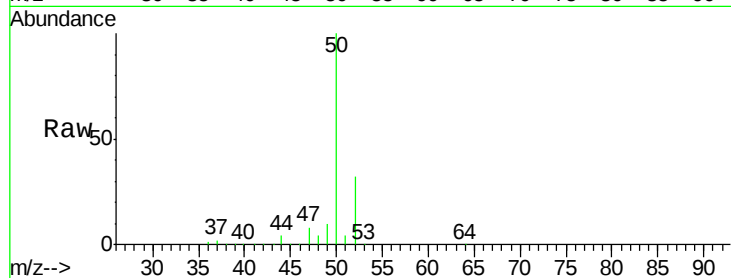
ClientSampleId :

Tot Ion: 50 Resp: 160995

Ion Ratio Lower Upper

50 100

52 32.5 26.3 39.5



#4

Vinyl Chloride

Concen: 45.67 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001821.D

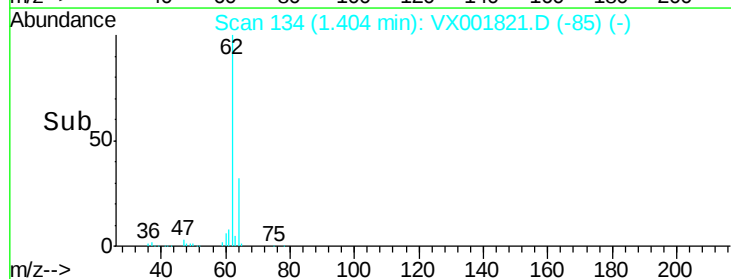
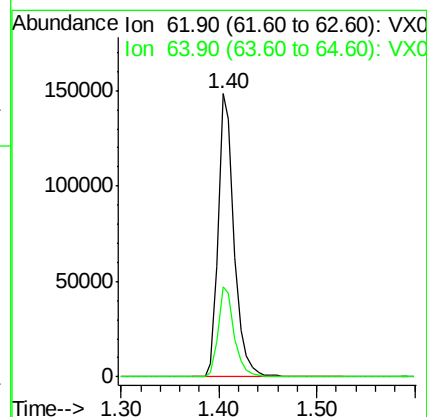
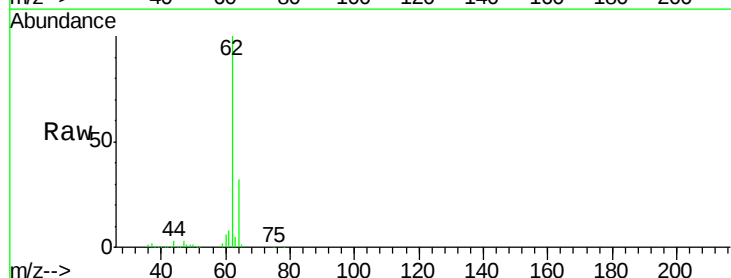
Acq: 18 May 2018 12:30

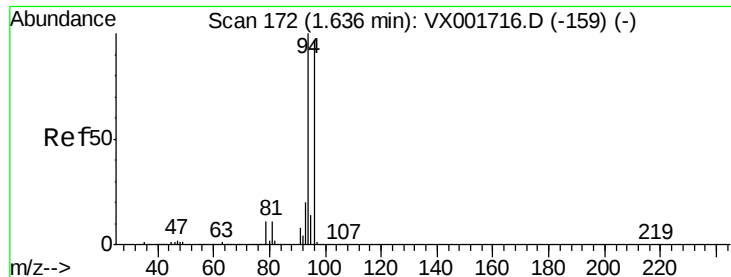
Tgt Ion: 62 Resp: 167880

Ion Ratio Lower Upper

62 100

64 31.9 25.6 38.4





#5

Bromomethane

Concen: 40.50 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Instrument :

MSVOA_X

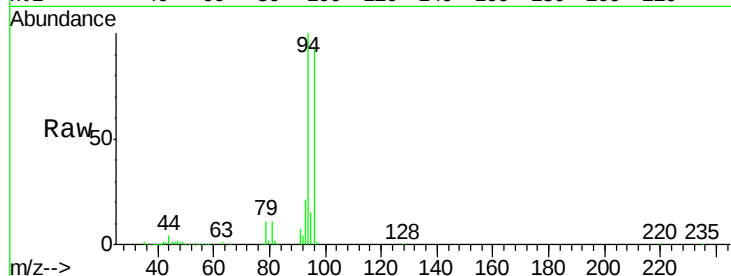
ClientSampleId :

Tot Ion: 94 Resp: 63596

Ion Ratio Lower Upper

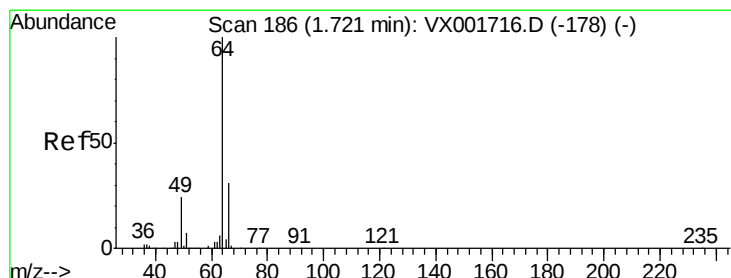
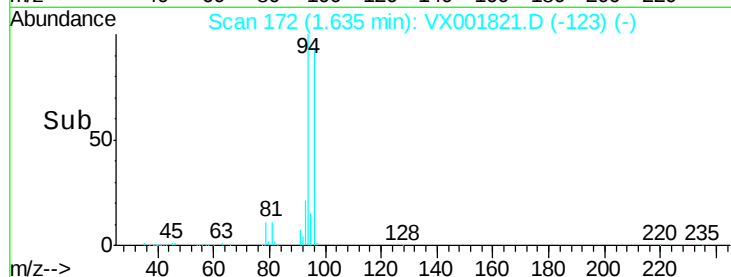
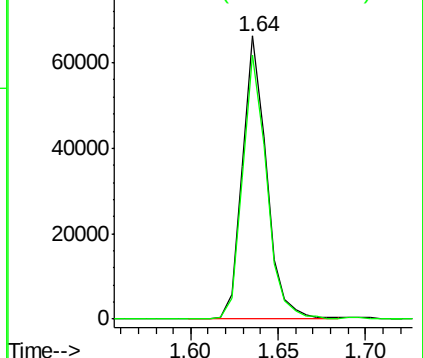
94 100

96 93.2 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: 46.02 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX001821.D

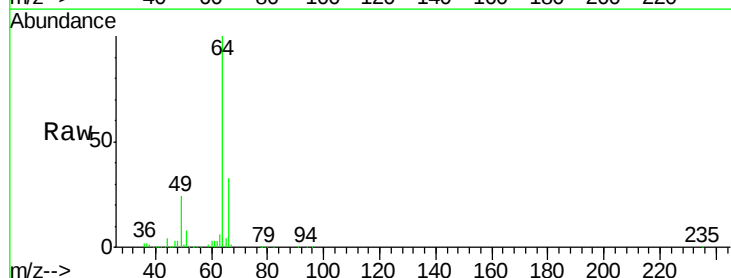
Acq: 18 May 2018 12:30

Tgt Ion: 64 Resp: 106556

Ion Ratio Lower Upper

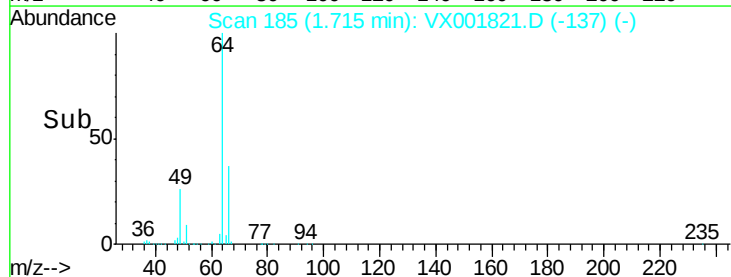
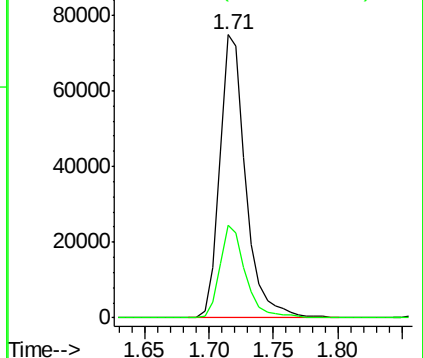
64 100

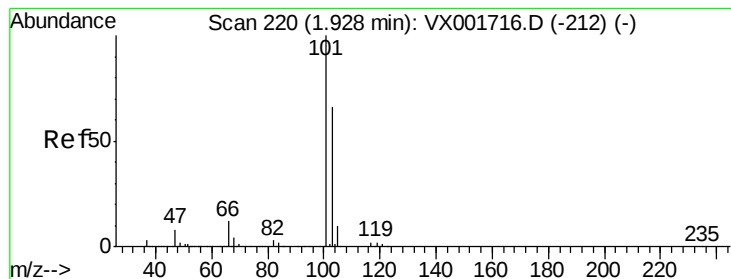
66 32.8 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



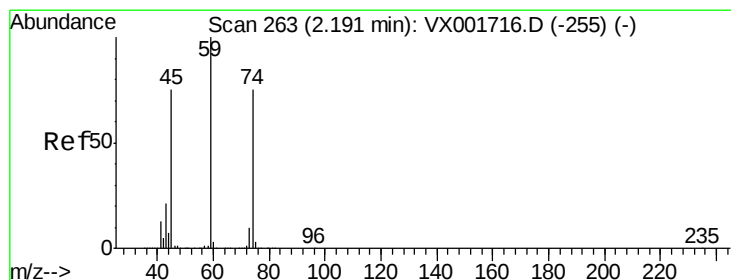
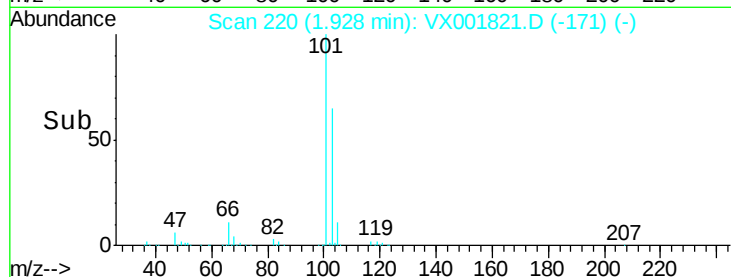
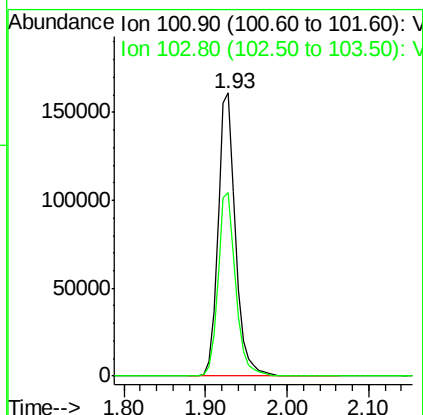
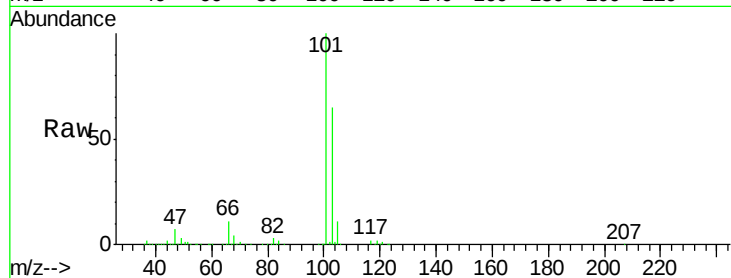


#7

Trichlorofluoromethane
 Concen: 45.19 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX001821.D
 Acq: 18 May 2018 12:30

Instrument :
 MSVOA_X
 ClientSampleId :

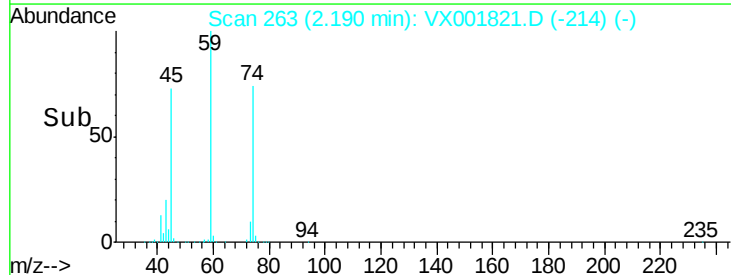
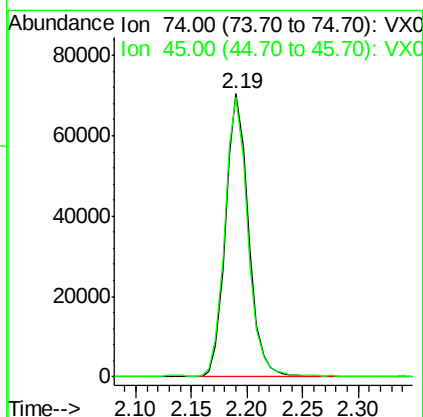
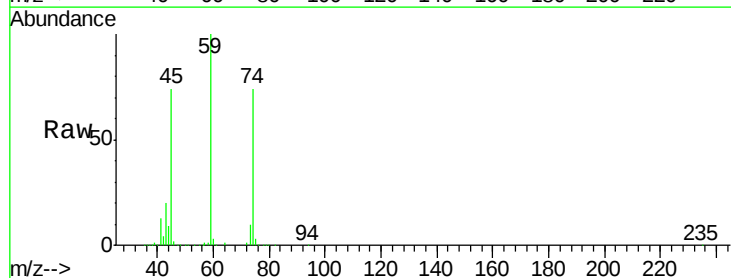
Tot Ion:101 Resp: 241413
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.6 78.8

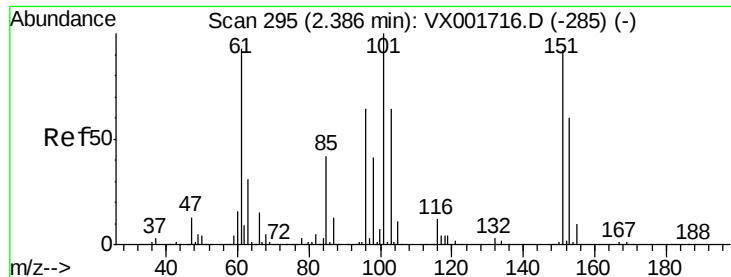


#8

Diethyl Ether
 Concen: 45.72 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX001821.D
 Acq: 18 May 2018 12:30

Tgt Ion: 74 Resp: 100529
 Ion Ratio Lower Upper
 74 100
 45 98.6 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.14 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Instrument :

MSVOA_X

ClientSampled :

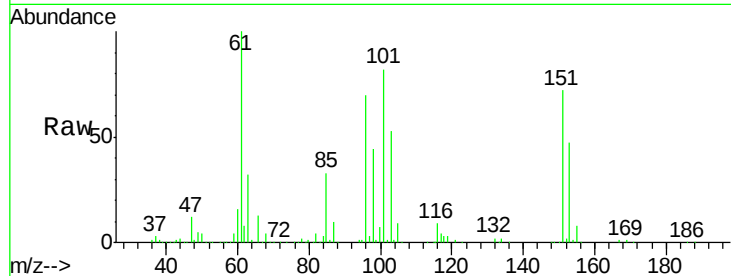
Tot Ion:101 Resp: 154819

Ion Ratio Lower Upper

101 100

85 40.5 33.7 50.5

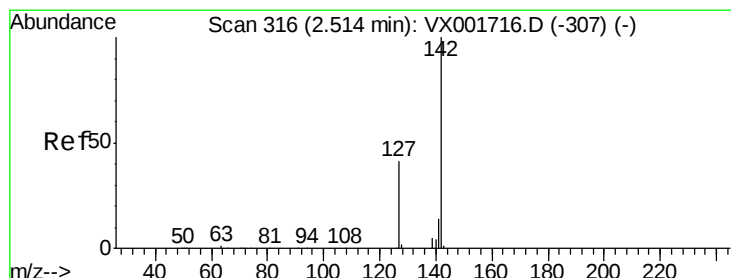
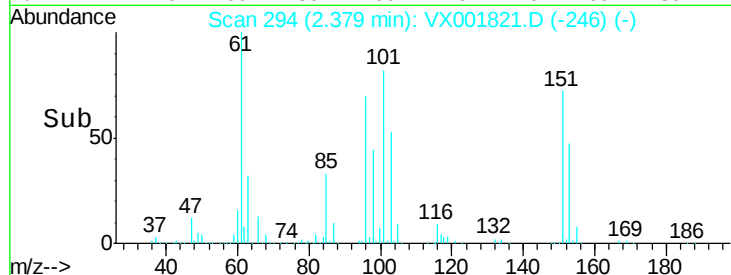
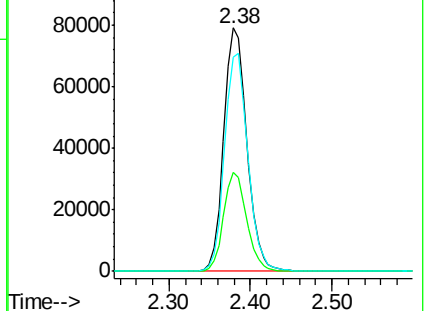
151 89.9 73.0 109.6



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: 62.35 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

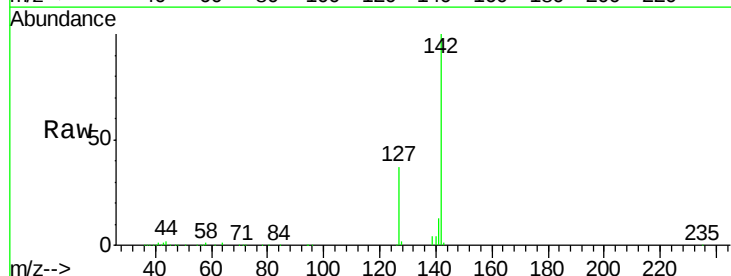
Tgt Ion:142 Resp: 184474

Ion Ratio Lower Upper

142 100

127 38.8 32.5 48.7

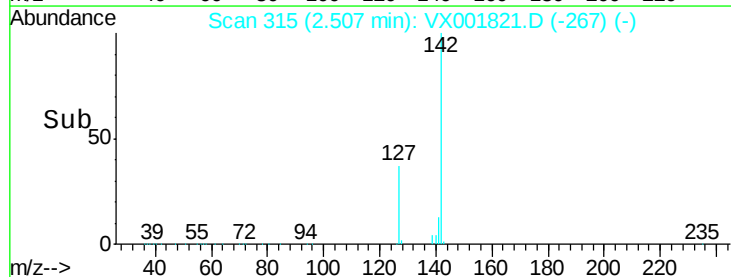
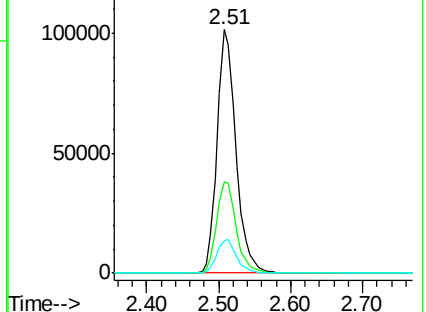
141 14.2 11.4 17.0

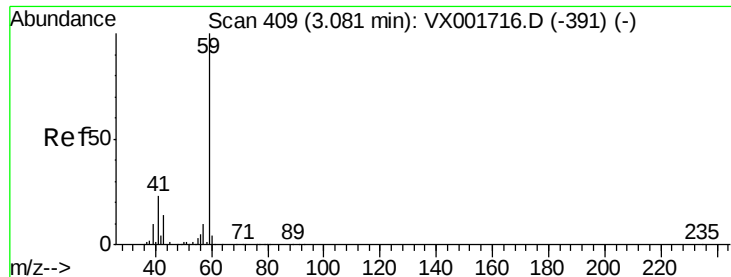


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



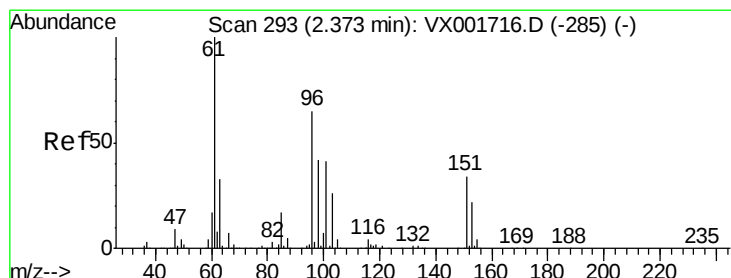
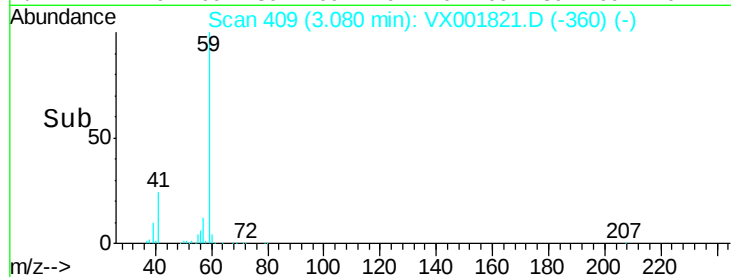
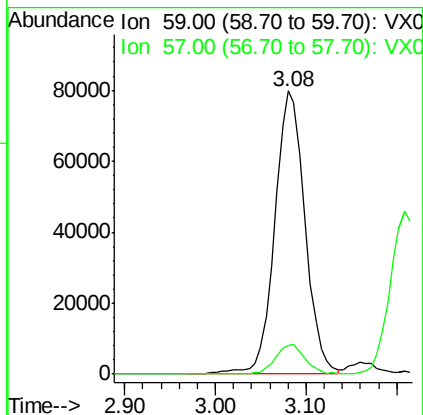
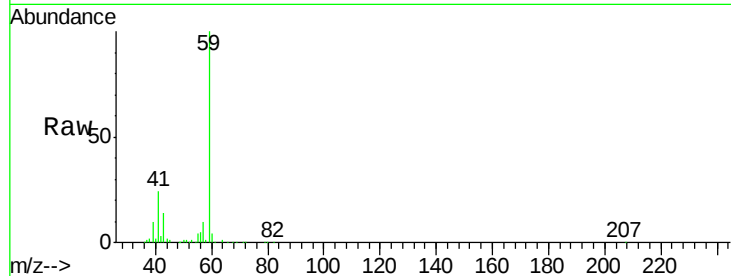


#11

Tert butyl alcohol
 Concen: 246.06 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.00 min
 Lab File: VX001821.D
 Acq: 18 May 2018 12:30

Instrument :
 MSVOA_X
 ClientSampled :

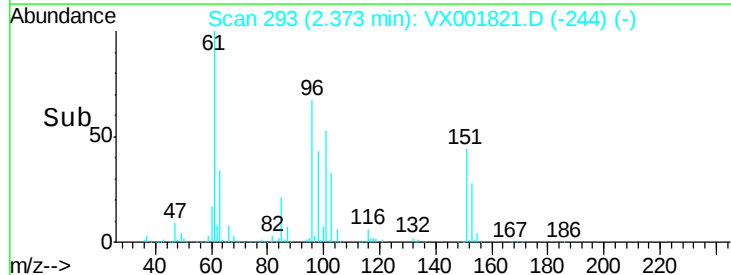
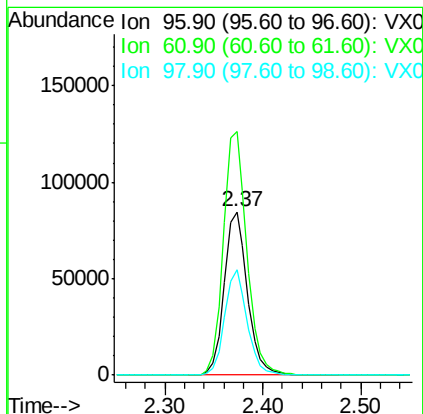
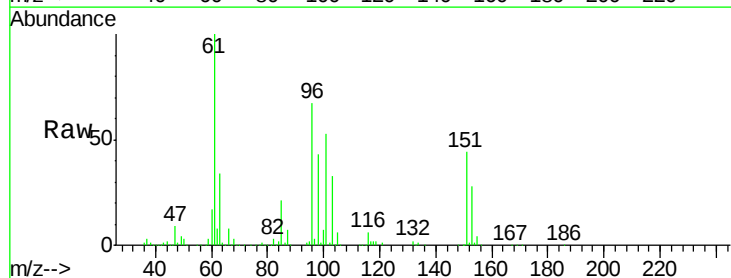
Tot Ion: 59 Resp: 183671
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.5 12.7

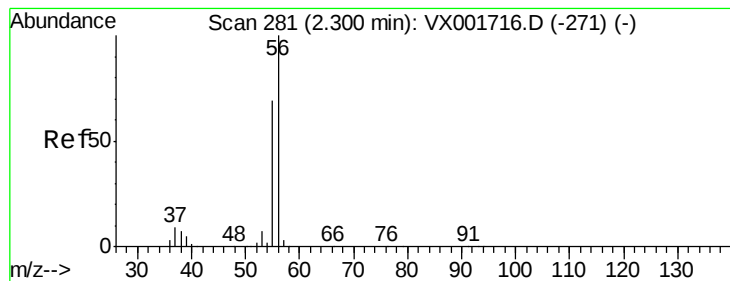


#12

1,1-Dichloroethene
 Concen: 44.84 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX001821.D
 Acq: 18 May 2018 12:30

Tgt Ion: 96 Resp: 139018
 Ion Ratio Lower Upper
 96 100
 61 149.2 122.2 183.2
 98 64.8 51.4 77.0





#13

Acrolein

Concen: 200.11 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

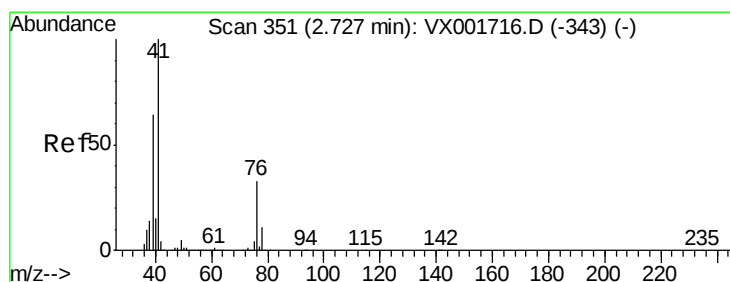
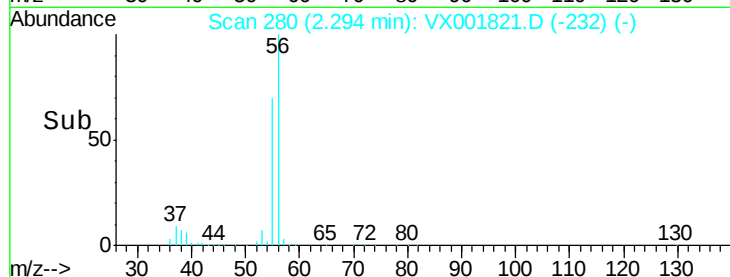
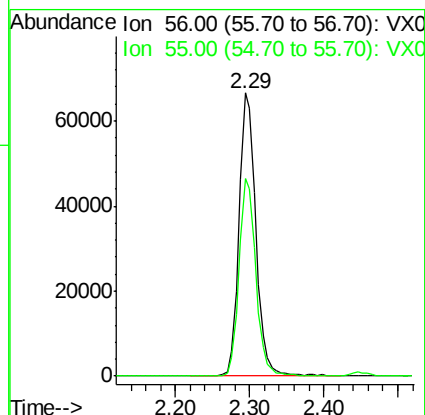
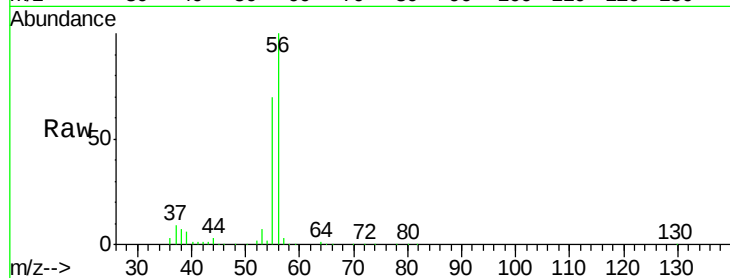
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 105940

Ion Ratio Lower Upper

56 100

55 69.7 56.2 84.2



#14

Allyl chloride

Concen: 47.13 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

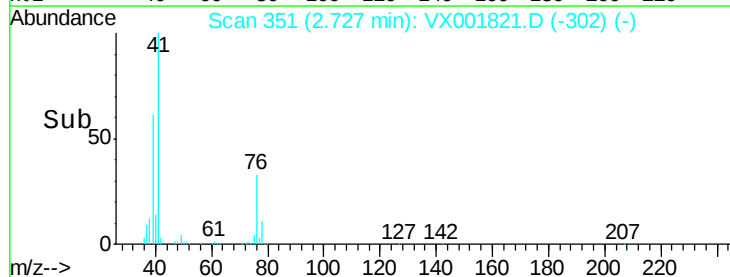
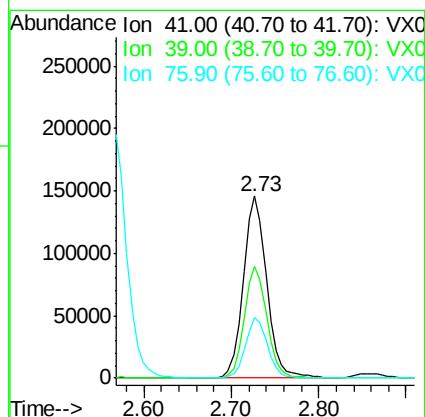
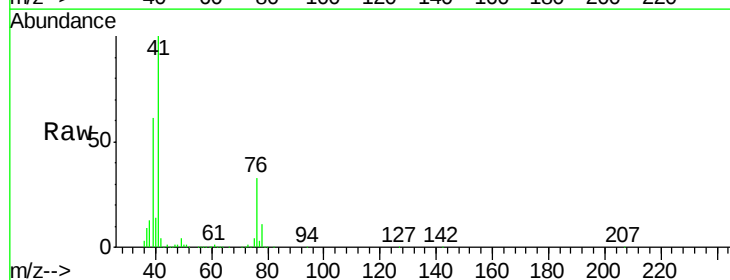
Tgt Ion: 41 Resp: 270108

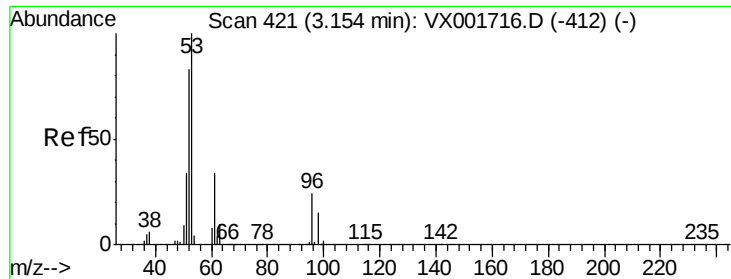
Ion Ratio Lower Upper

41 100

39 59.1 49.8 74.6

76 31.3 25.8 38.8





#15

Acrylonitrile

Concen: 235.34 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

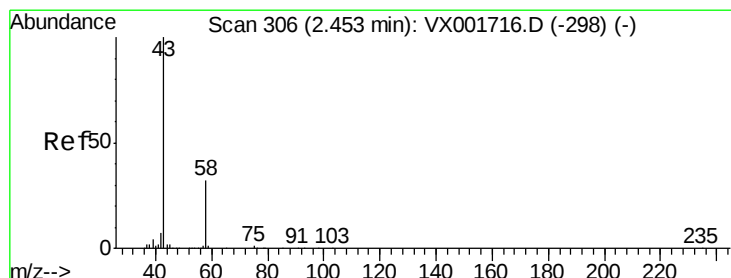
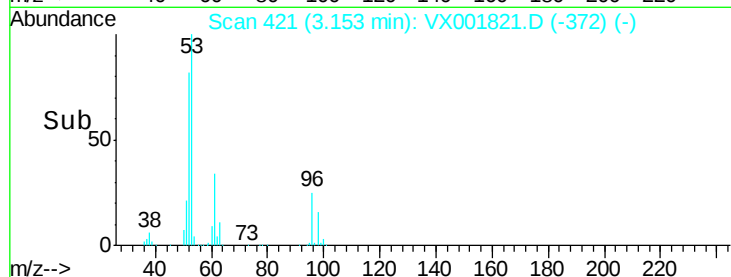
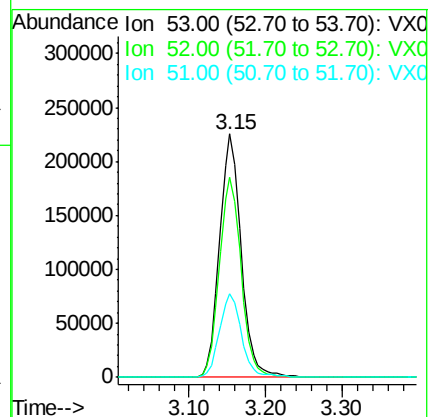
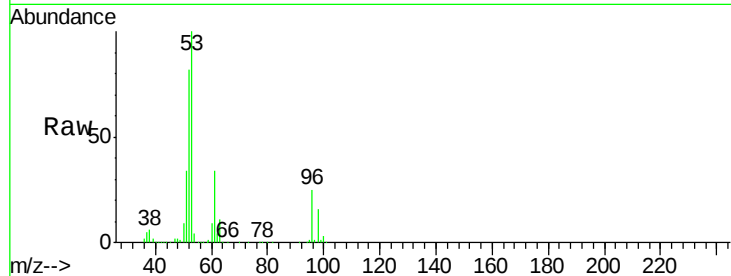
Tot Ion: 53 Resp: 441232

Ion Ratio Lower Upper

53 100

52 82.5 65.6 98.4

51 35.1 28.1 42.1



#16

Acetone

Concen: 242.30 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001821.D

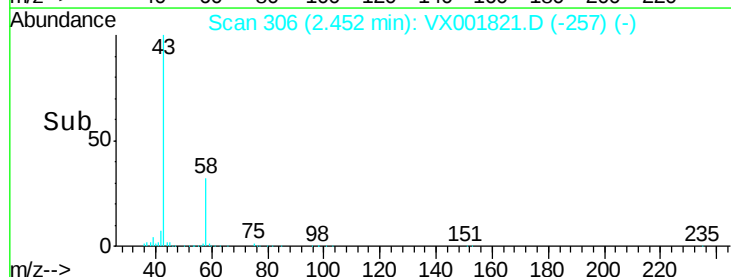
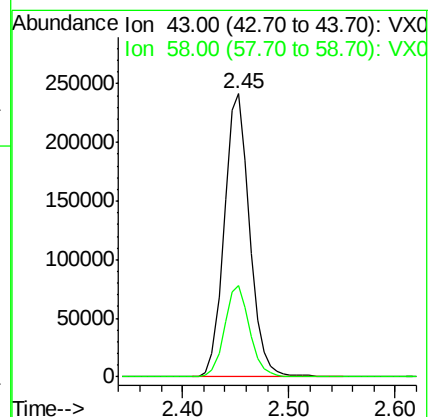
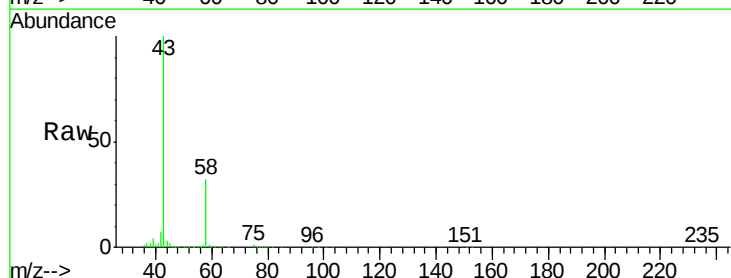
Acq: 18 May 2018 12:30

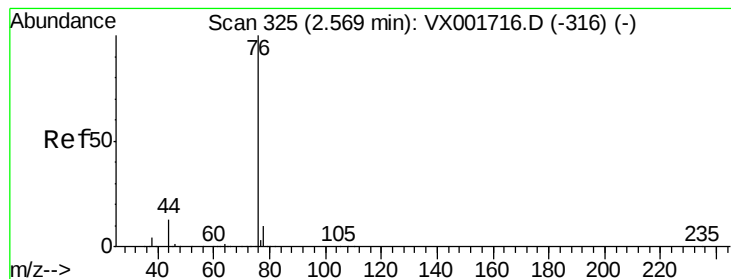
Tgt Ion: 43 Resp: 400118

Ion Ratio Lower Upper

43 100

58 32.2 25.3 37.9





#17

Carbon Disulfide

Concen: 40.61 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Instrument :

MSVOA_X

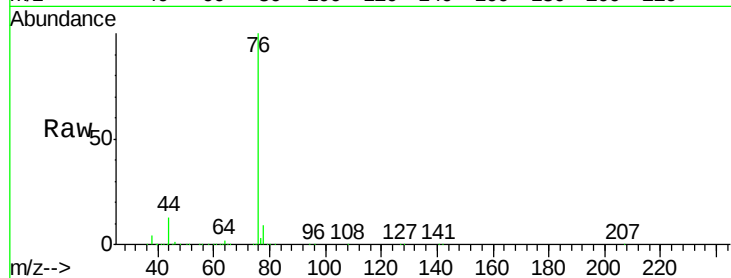
ClientSampleId :

Tot Ion: 76 Resp: 328420

Ion Ratio Lower Upper

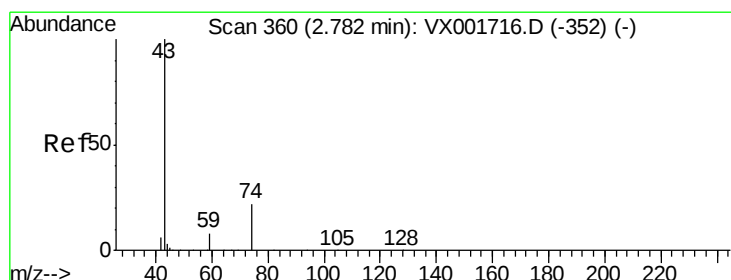
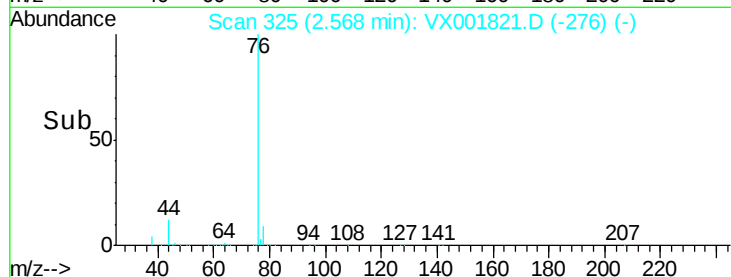
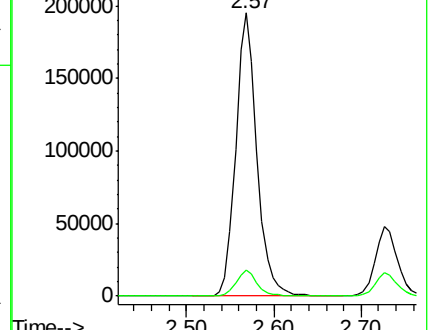
76 100

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: 50.46 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001821.D

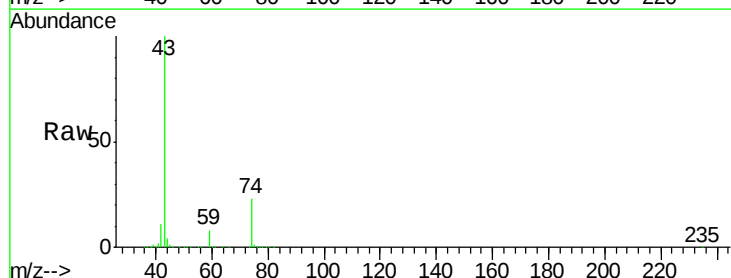
Acq: 18 May 2018 12:30

Tgt Ion: 43 Resp: 243590

Ion Ratio Lower Upper

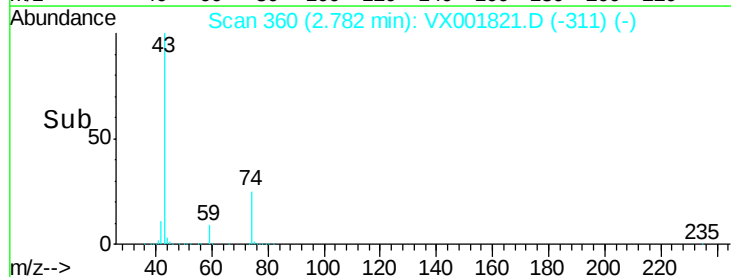
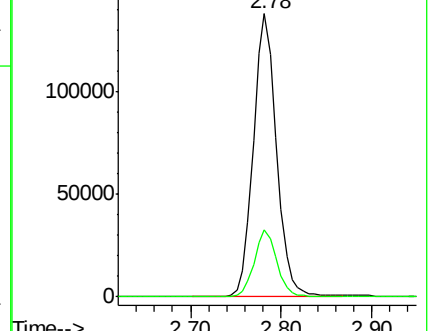
43 100

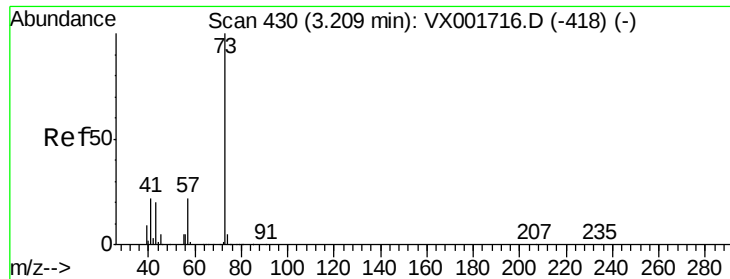
74 22.7 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

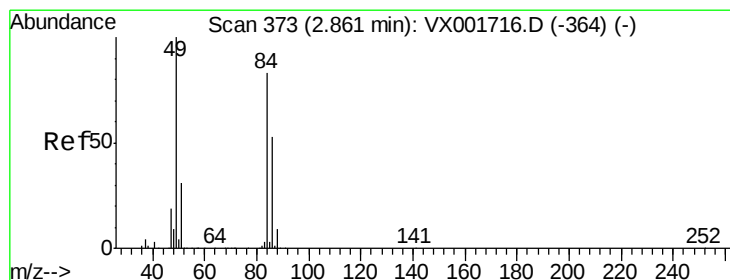
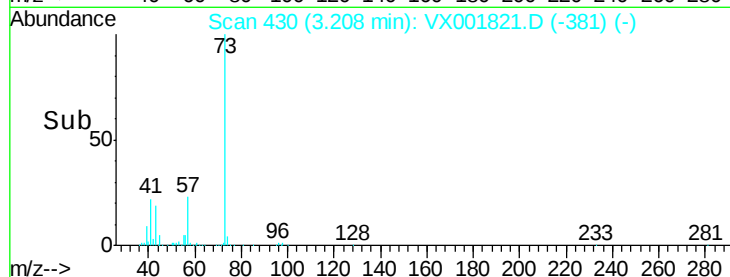
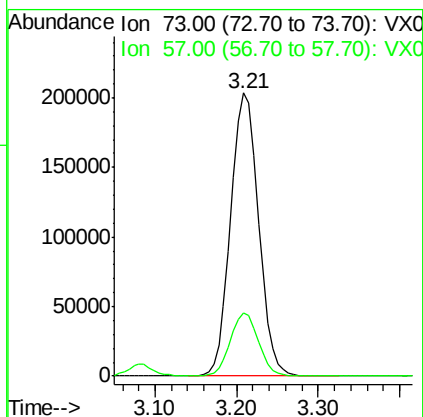
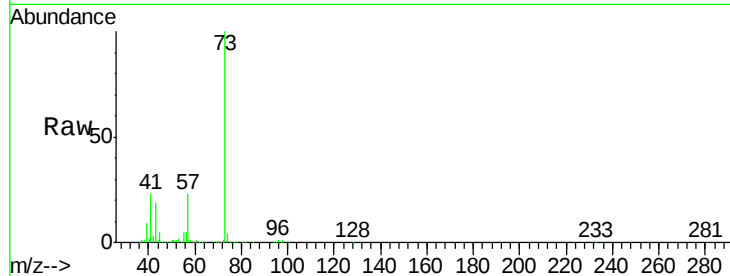




#19
Methvl tert-butvl Ether
Concen: 46.07 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

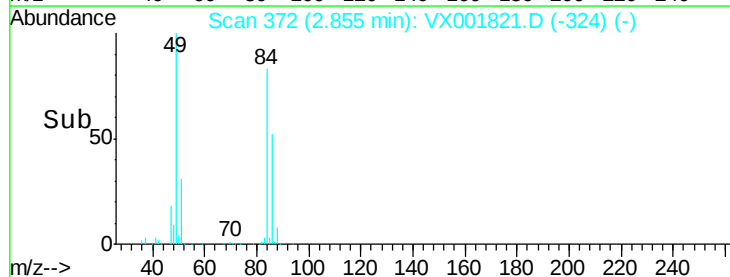
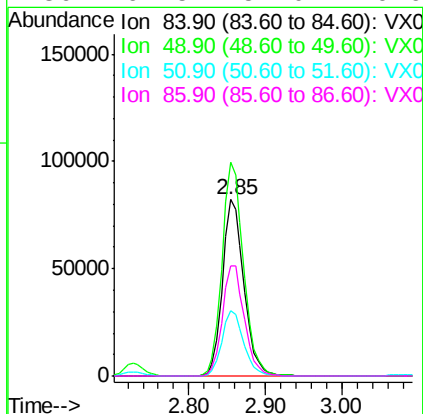
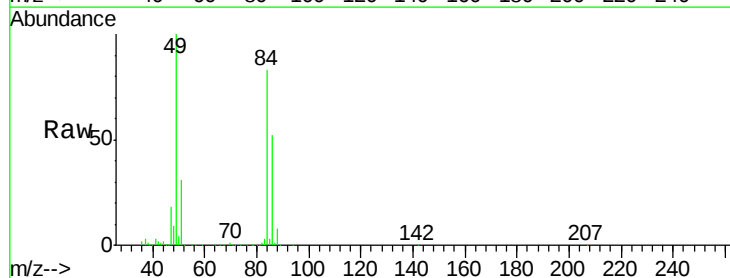
Instrument :
MSVOA_X
ClientSampleId :

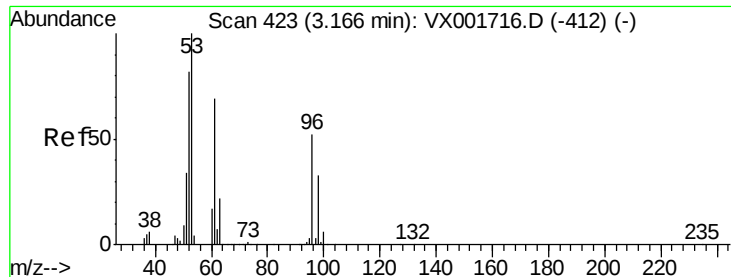
Tot Ion: 73 Resp: 481382
Ion Ratio Lower Upper
73 100
57 22.5 17.5 26.3



#20
Methylene Chloride
Concen: 44.99 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

Tgt Ion: 84 Resp: 159021
Ion Ratio Lower Upper
84 100
49 121.2 96.3 144.5
51 37.2 29.8 44.6
86 62.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 43.33 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

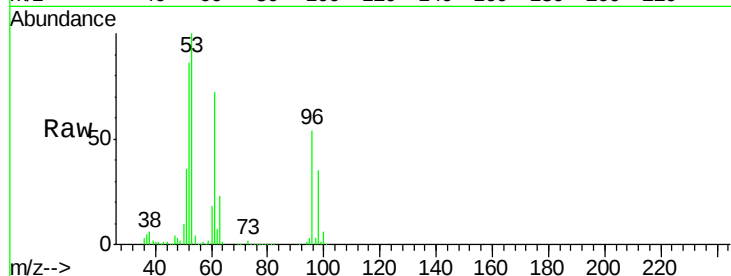
Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 96 Resp: 147977

Ion	Ratio	Lower	Upper
96	100		
61	132.1	105.8	158.8
98	64.5	50.2	75.4

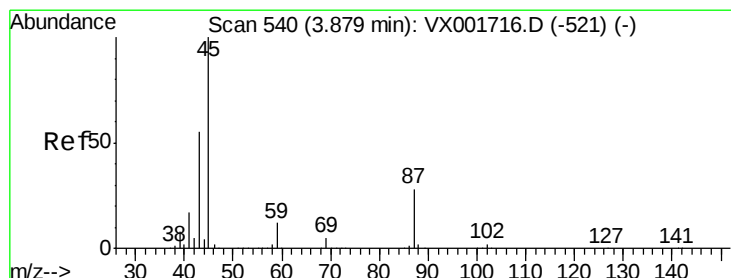
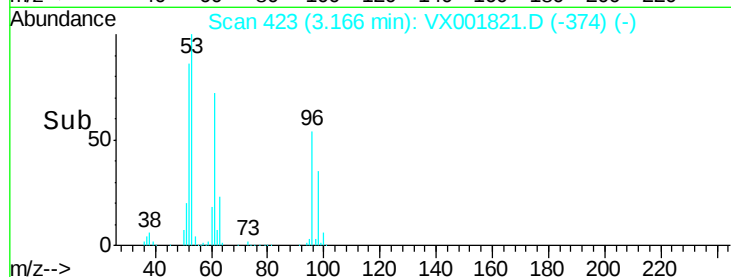
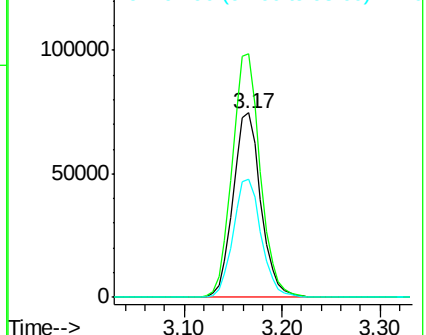


Abundance

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



#22

Diisopropyl ether

Concen: 46.98 ug/l

RT: 3.87 min Scan# 539

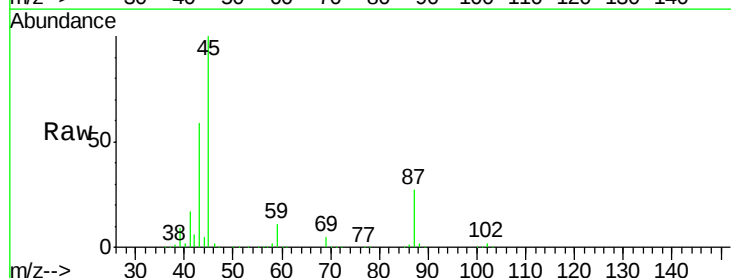
Delta R.T. -0.01 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Tgt Ion: 45 Resp: 516465

Ion	Ratio	Lower	Upper
45	100		
43	58.8	44.3	66.5
87	27.0	22.6	33.8
59	11.5	9.4	14.0



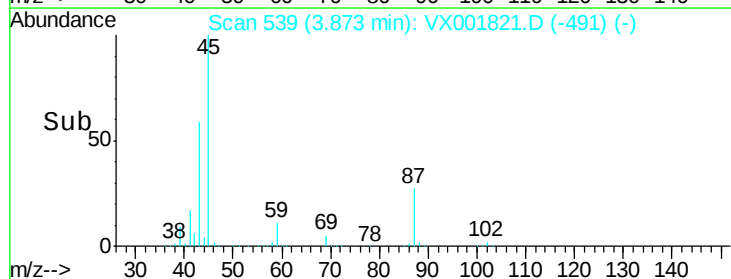
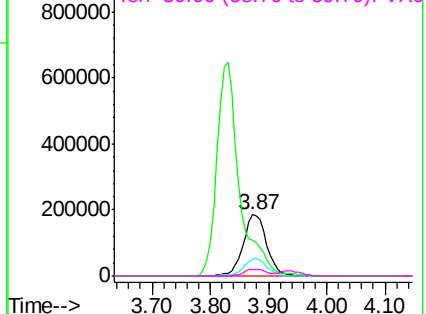
Abundance

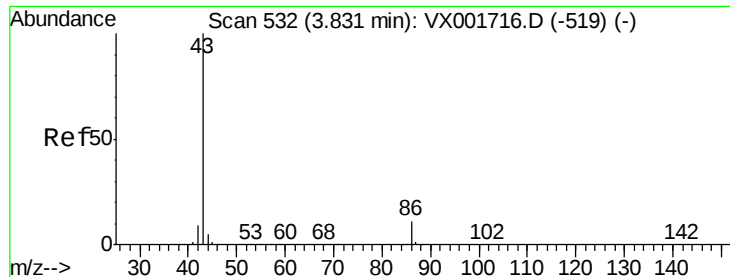
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 219.16 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

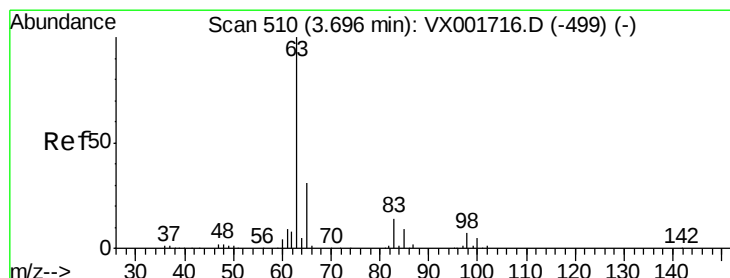
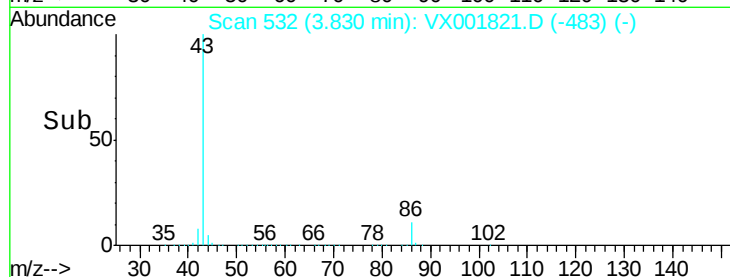
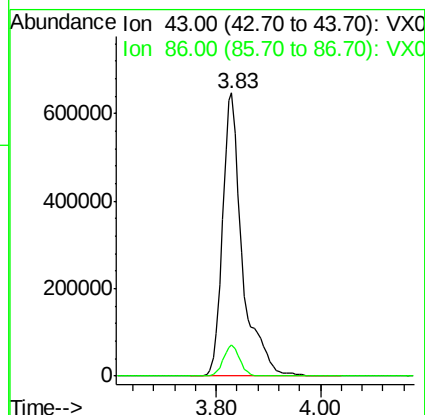
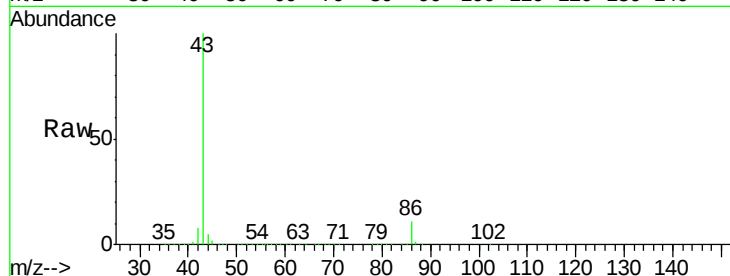
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 1735866

Ion Ratio Lower Upper

43 100

86 10.8 8.7 13.1



#24

1,1-Dichloroethane

Concen: 46.60 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

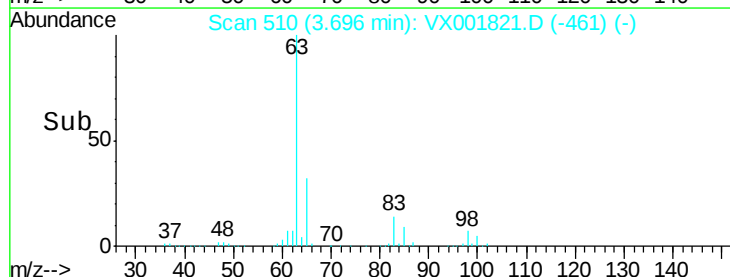
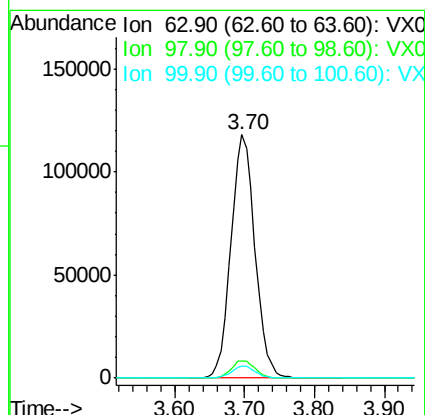
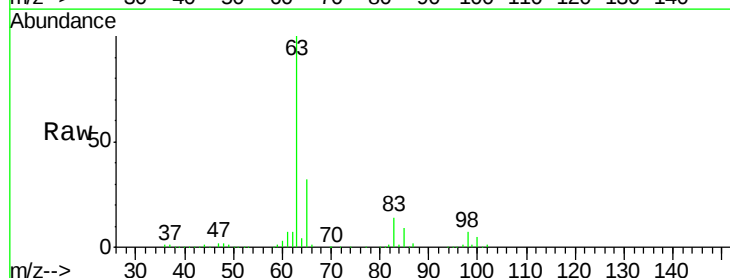
Tgt Ion: 63 Resp: 280962

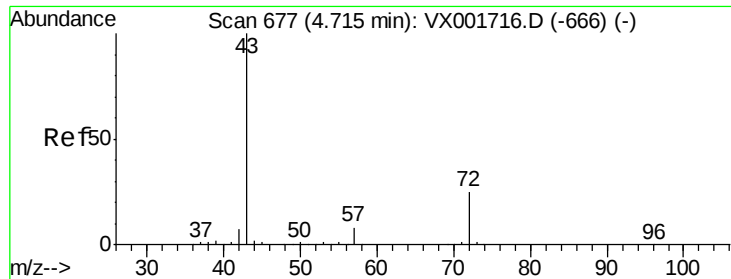
Ion Ratio Lower Upper

63 100

98 7.1 3.7 11.1

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 251.83 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Instrument :

MSVOA_X

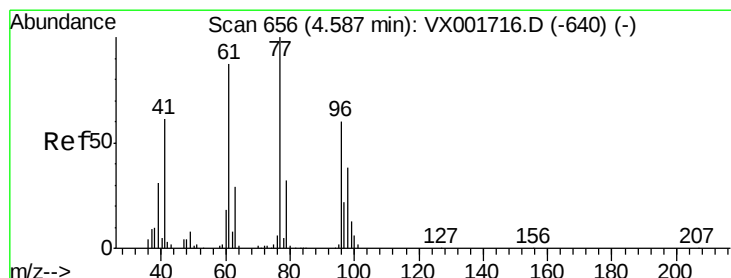
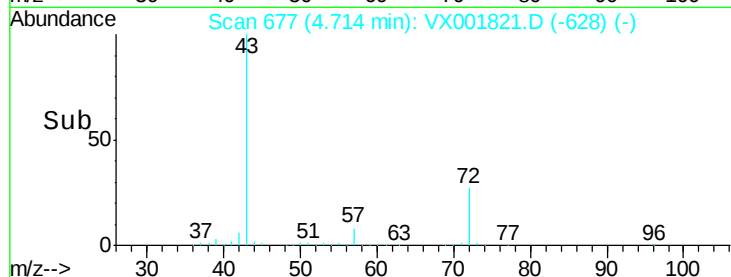
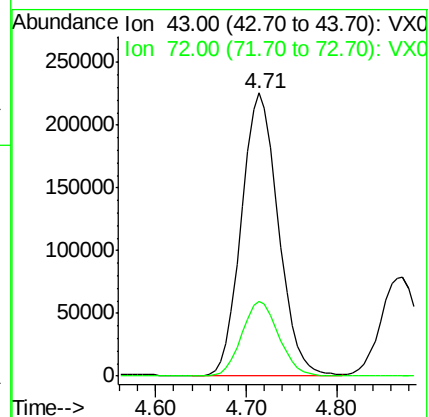
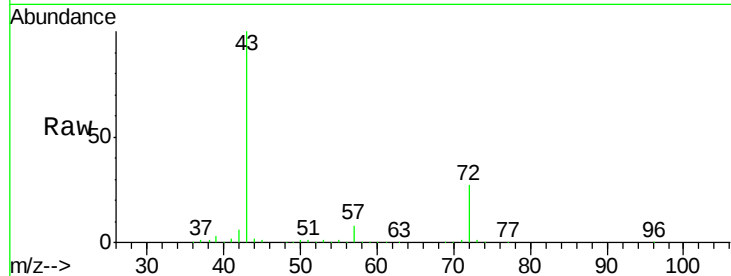
ClientSampled :

Tot Ion: 43 Resp: 636697

Ion Ratio Lower Upper

43 100

72 26.5 19.8 29.6



#26

2,2-Dichloropropane

Concen: 46.62 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001821.D

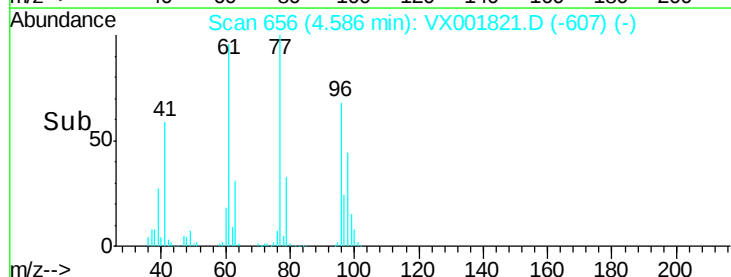
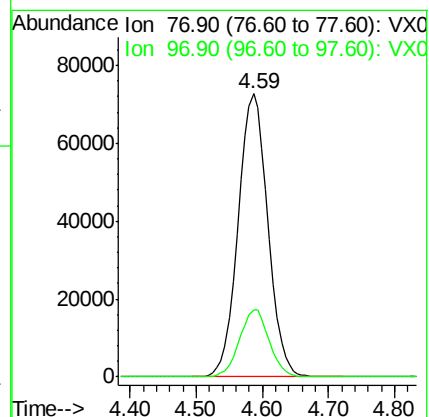
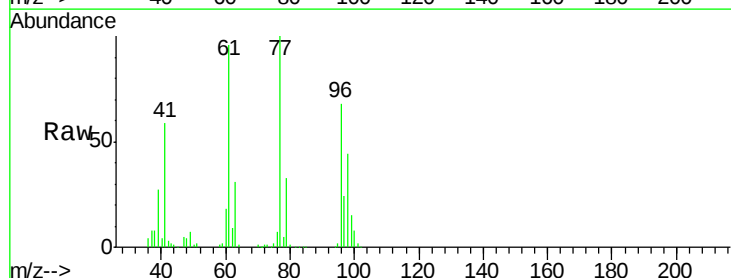
Acq: 18 May 2018 12:30

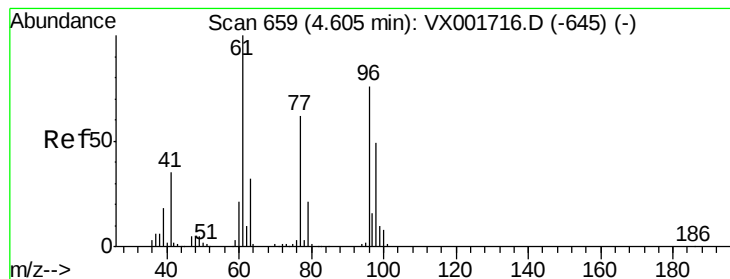
Tgt Ion: 77 Resp: 226279

Ion Ratio Lower Upper

77 100

97 23.8 11.6 34.8



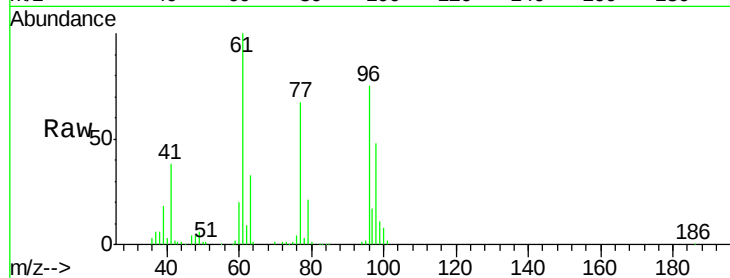


#27

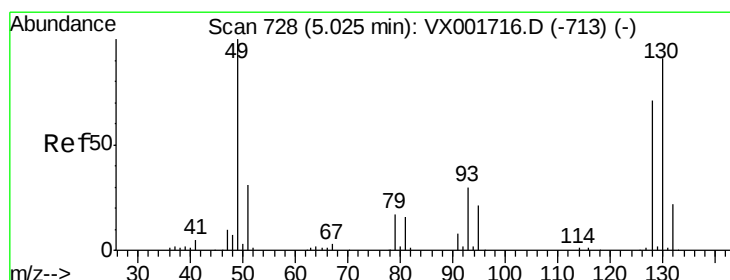
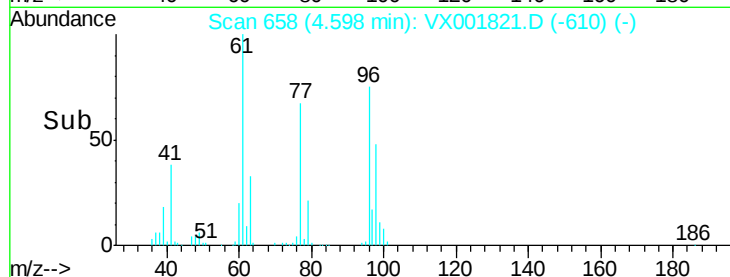
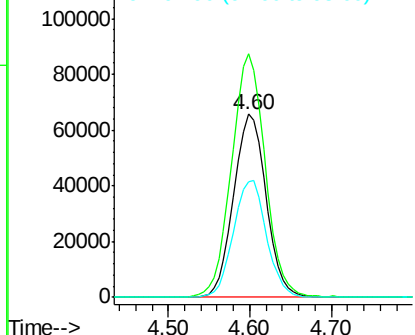
cis-1,2-Dichloroethene
 Concen: 46.75 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX001821.D
 Acq: 18 May 2018 12:30

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 96 Resp: 181698
 Ion Ratio Lower Upper
 96 100
 61 137.2 0.0 280.4
 98 64.7 0.0 128.4



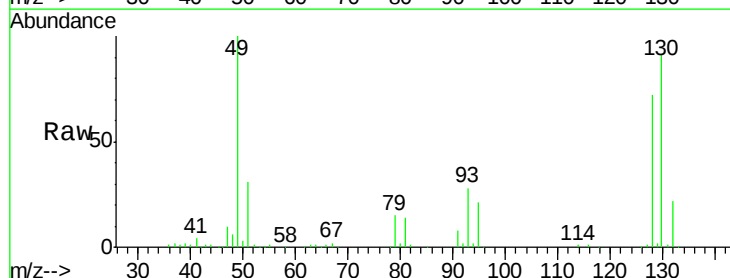
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



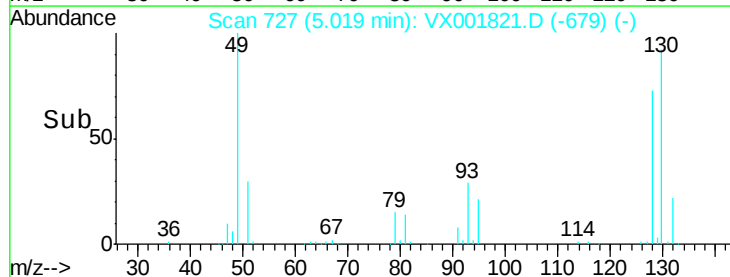
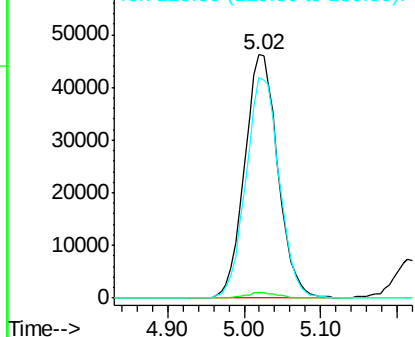
#28

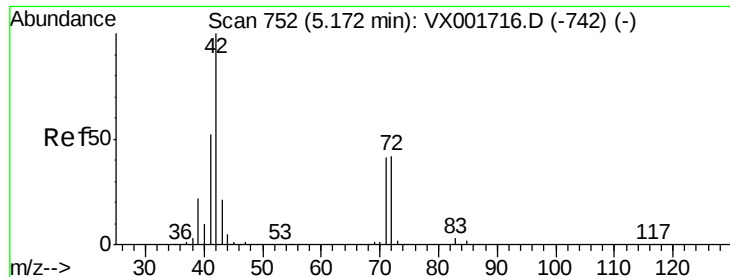
Bromochloromethane
 Concen: 52.21 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX001821.D
 Acq: 18 May 2018 12:30

Tgt Ion: 49 Resp: 139821
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 5.0
 130 90.8 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

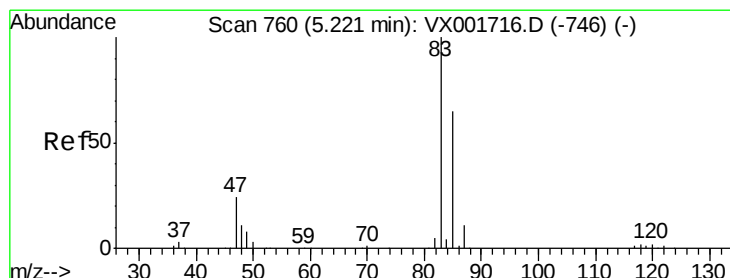
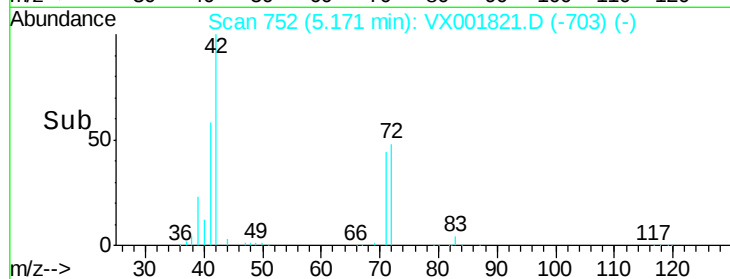
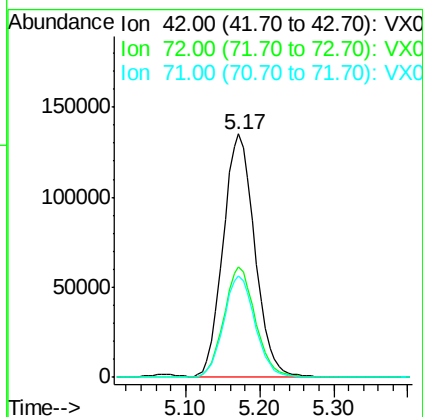
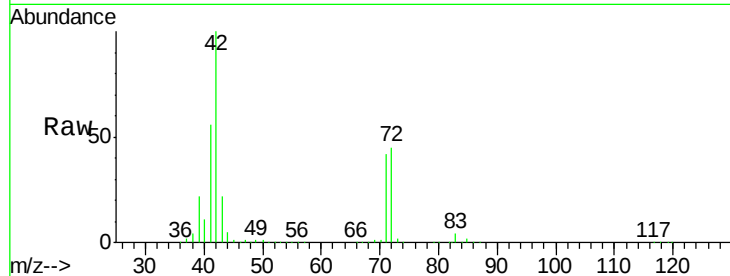




#29
Tetrahydrofuran
Concen: 242.60 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

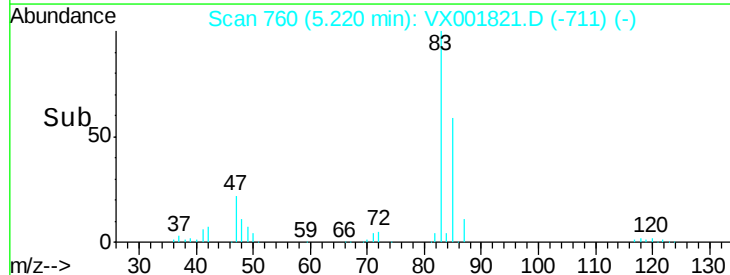
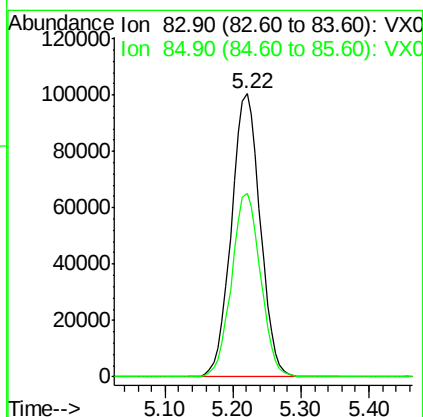
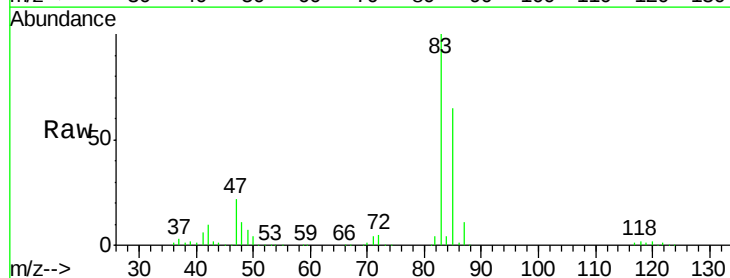
Instrument :
MSVOA_X
ClientSampleId :

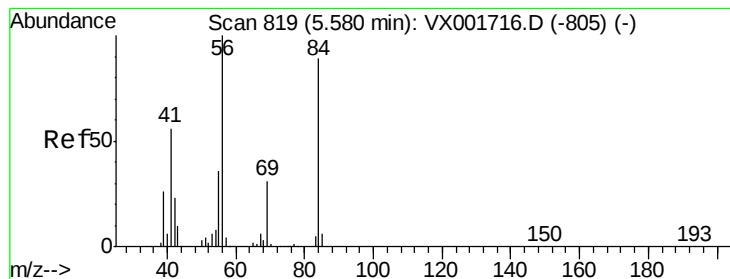
Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.4	53.2
71	41.6	33.2	49.8



#30
Chloroform
Concen: 46.65 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.3	78.5





#31

Cyclohexane

Concen: 49.07 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

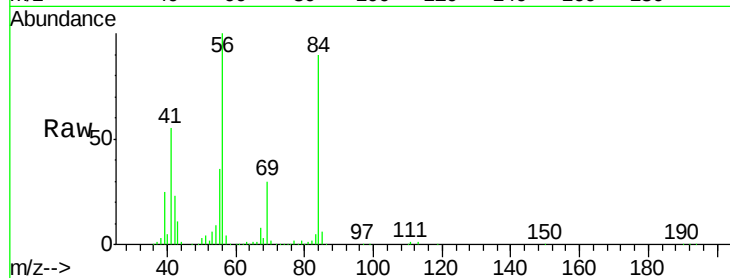
Tot Ion: 56 Resp: 259313

Ion Ratio Lower Upper

56 100

69 30.4 25.0 37.6

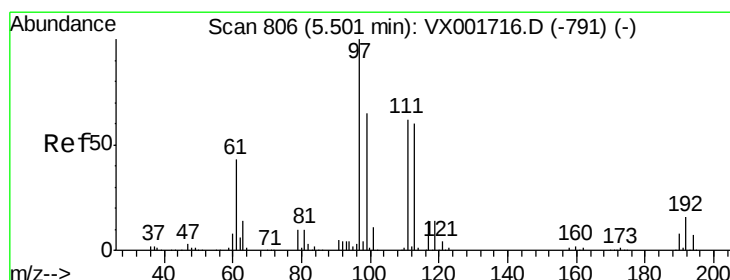
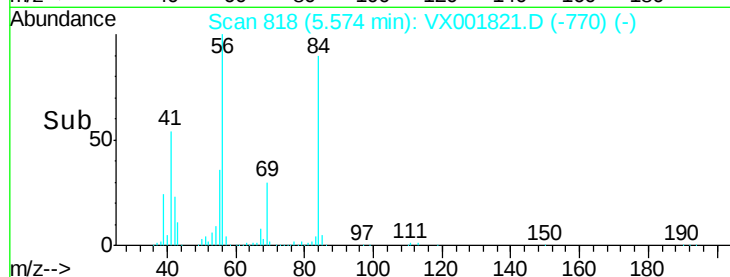
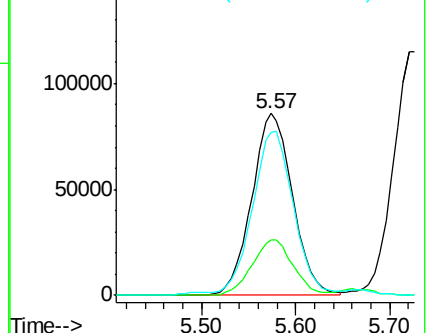
84 88.3 71.0 106.4



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: 47.04 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

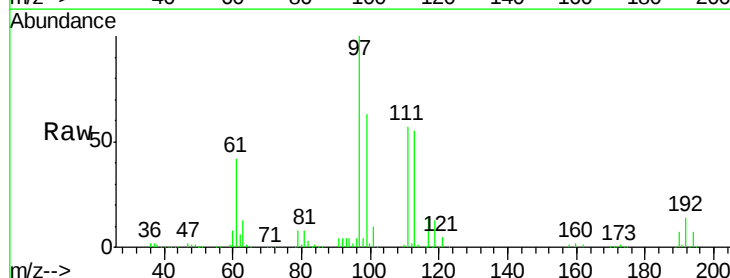
Tgt Ion: 97 Resp: 257449

Ion Ratio Lower Upper

97 100

99 64.2 51.3 76.9

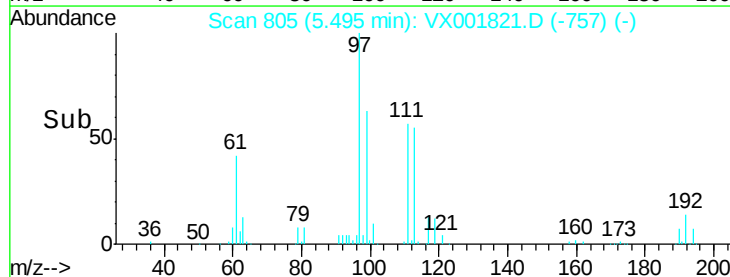
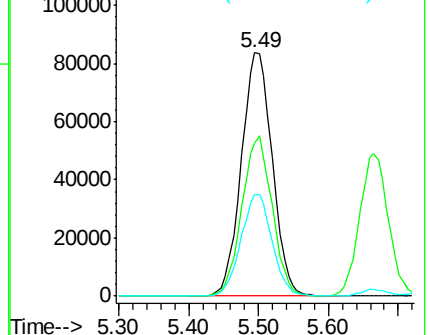
61 42.0 34.0 51.0

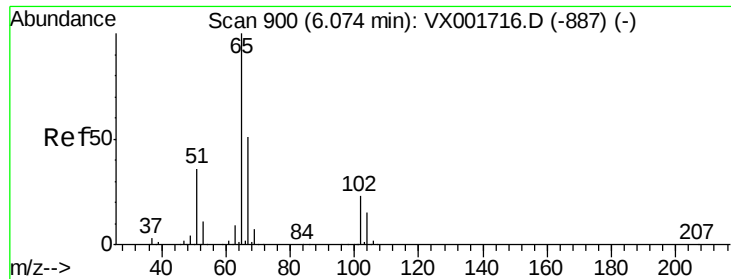


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 42.59 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Instrument :

MSVOA_X

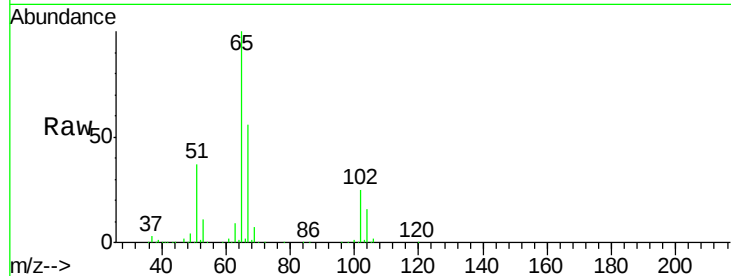
ClientSampleId :

Tot Ion: 65 Resp: 179087

Ion Ratio Lower Upper

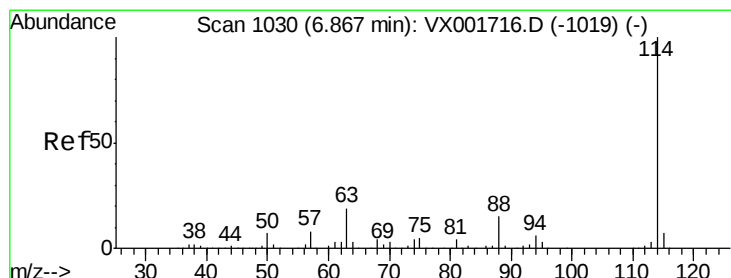
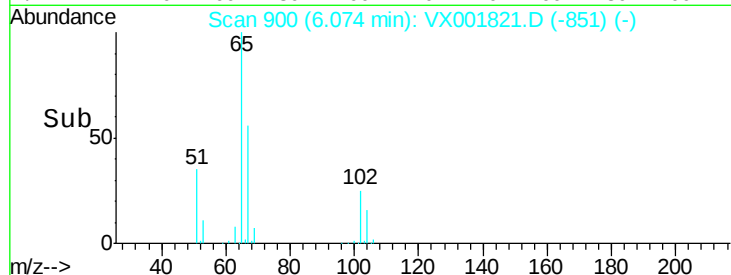
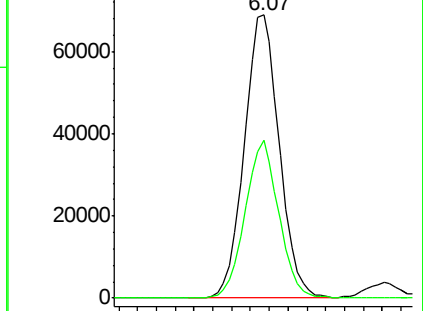
65 100

67 53.6 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

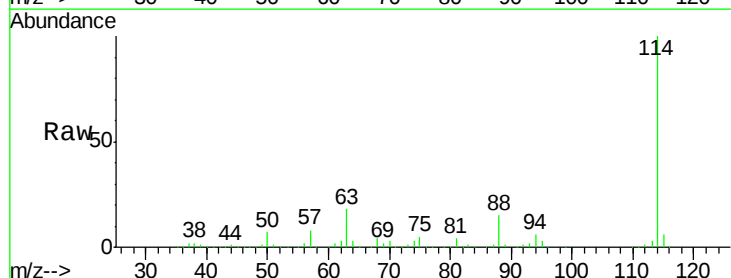
Tgt Ion: 114 Resp: 391260

Ion Ratio Lower Upper

114 100

63 18.0 0.0 37.0

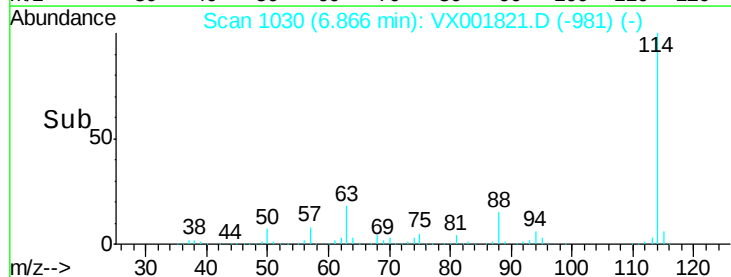
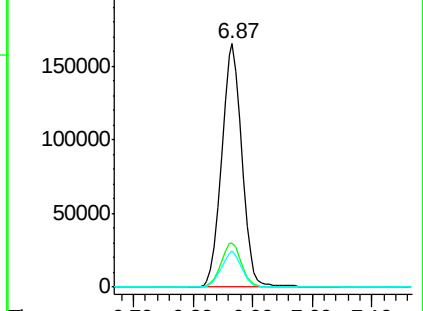
88 15.0 0.0 29.8

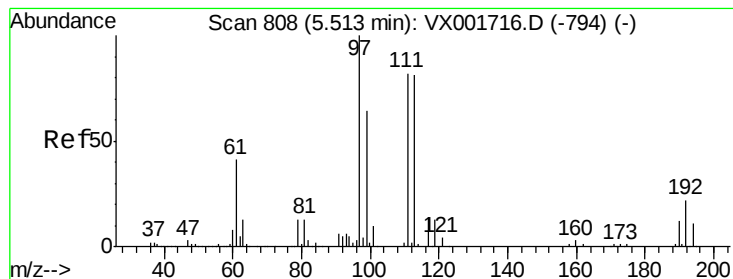


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.17 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Instrument :
MSVOA_X
ClientSampleId :

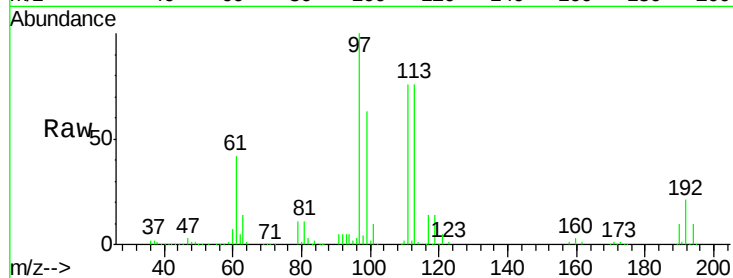
Tot Ion:113 Resp: 162350

Ion Ratio Lower Upper

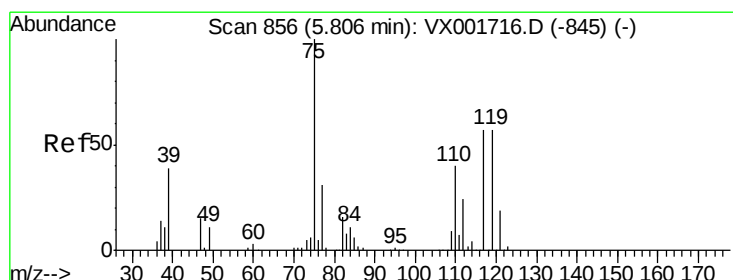
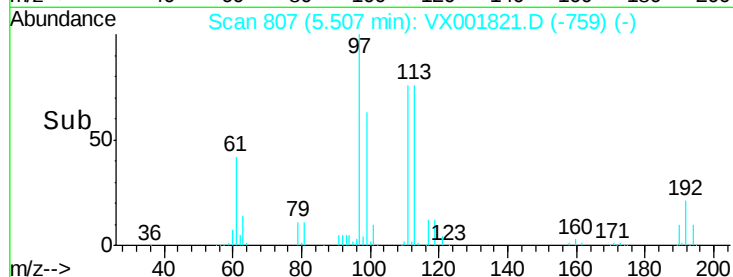
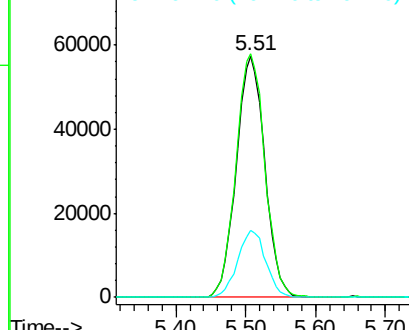
113 100

111 102.2 82.0 123.0

192 27.4 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: 48.60 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.01 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

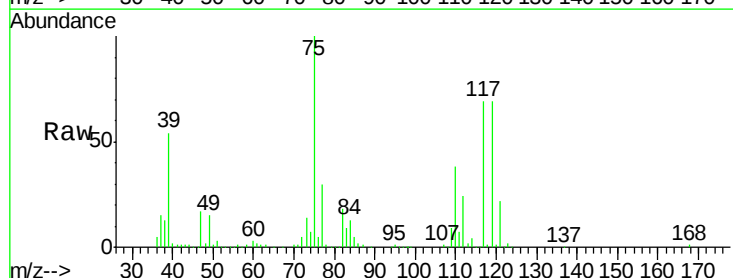
Tgt Ion: 75 Resp: 218905

Ion Ratio Lower Upper

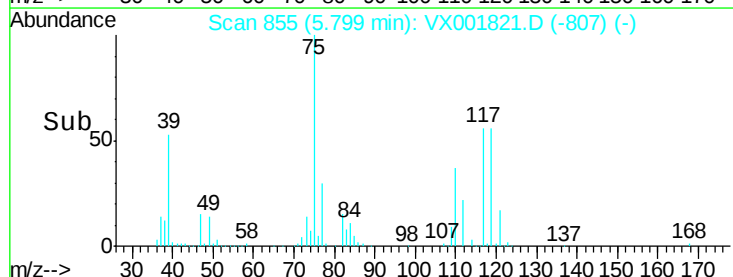
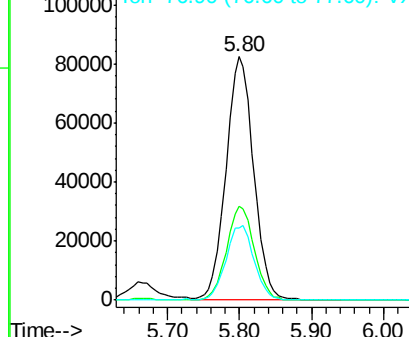
75 100

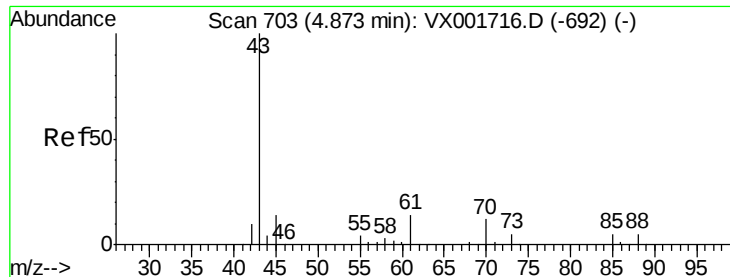
110 38.9 19.1 57.1

77 30.9 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

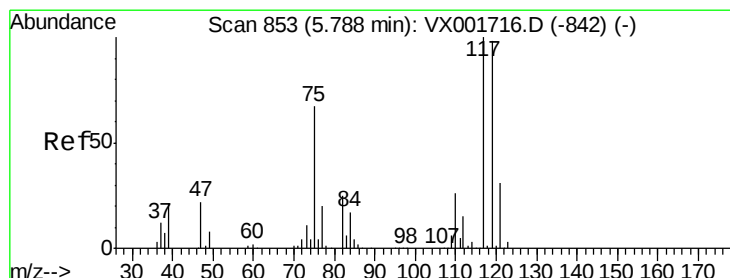
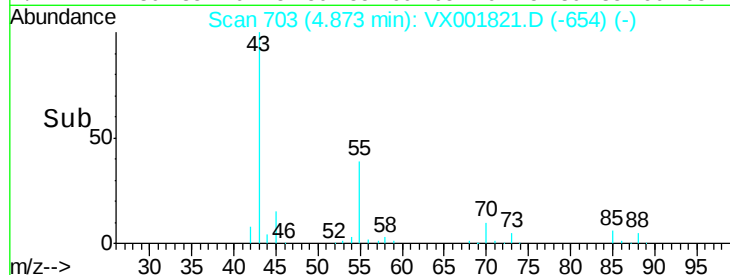
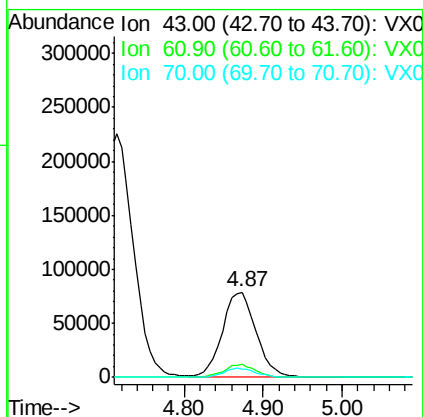
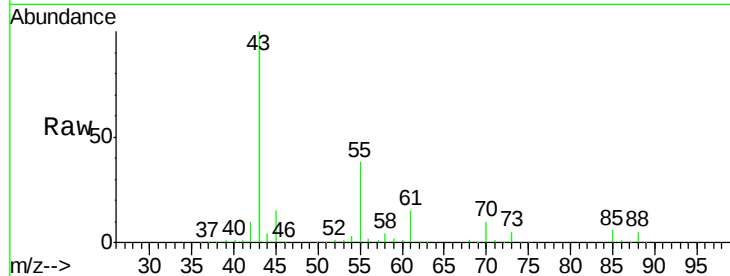




#37
Ethyl Acetate
Concen: 49.89 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

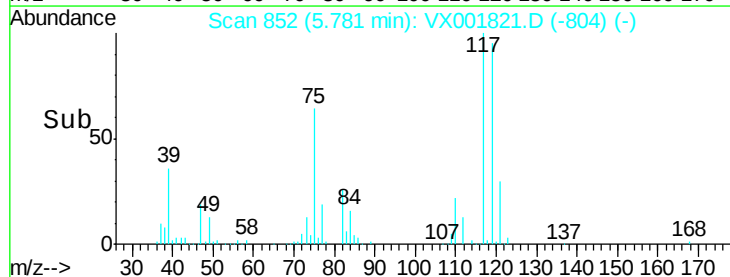
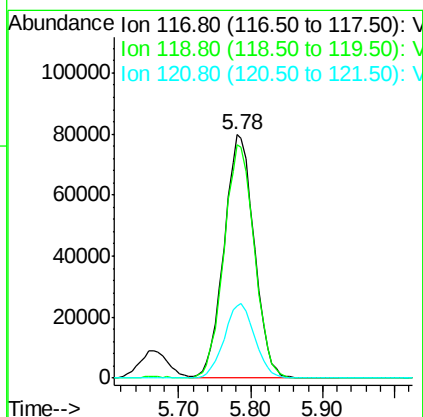
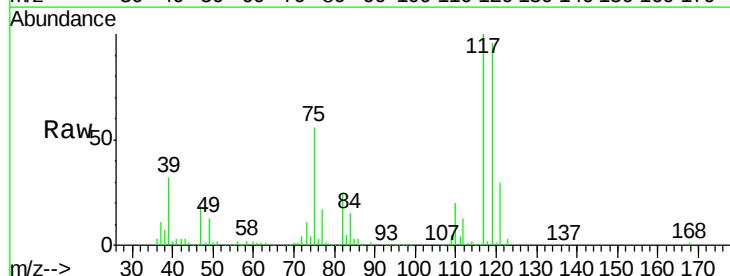
Instrument :
MSVOA_X
ClientSampled :

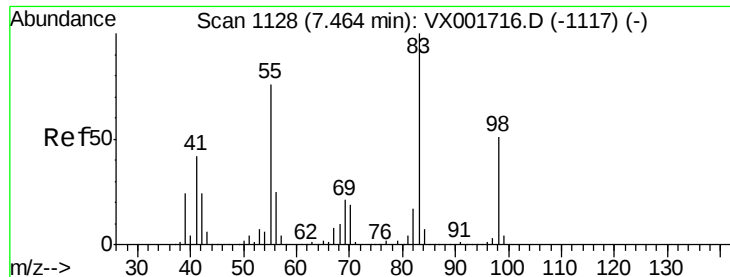
Tot Ion: 43 Resp: 234166
Ion Ratio Lower Upper
43 100
61 14.1 10.9 16.3
70 10.7 8.8 13.2



#38
Carbon Tetrachloride
Concen: 49.19 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

Tgt Ion: 117 Resp: 232096
Ion Ratio Lower Upper
117 100
119 96.0 77.6 116.4
121 29.8 24.6 36.8

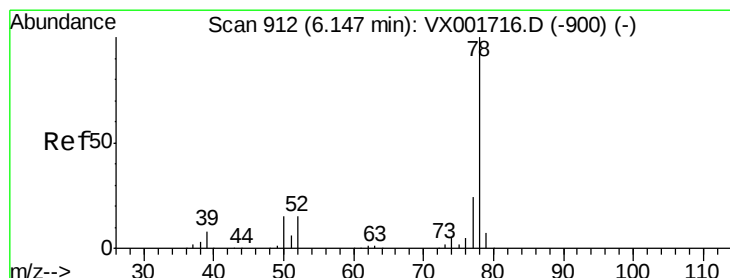
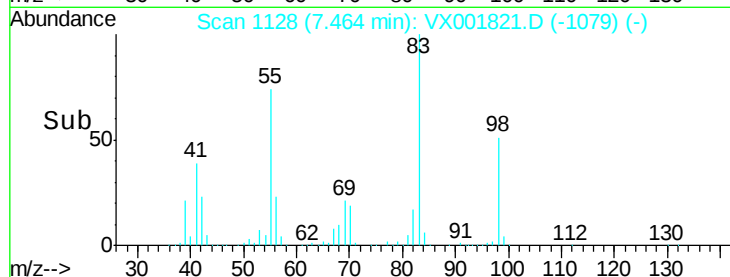
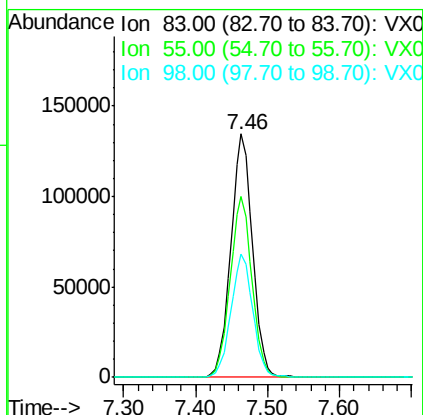
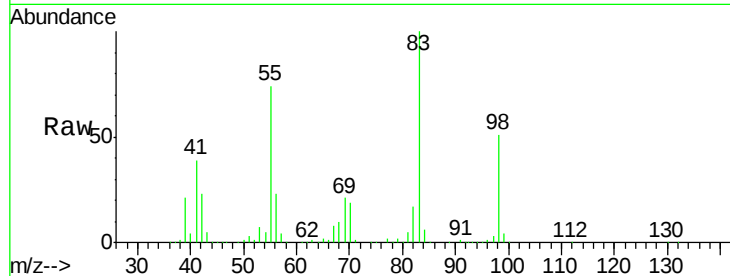




#39
Methvlcvclohexane
Concen: 53.56 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

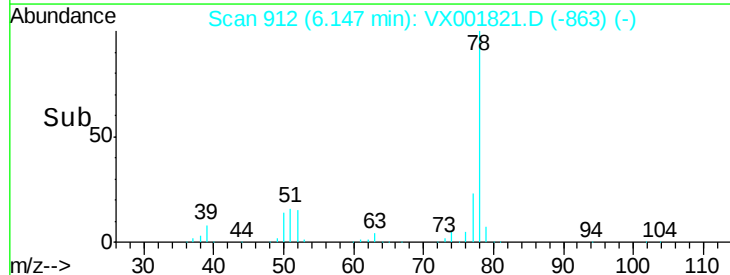
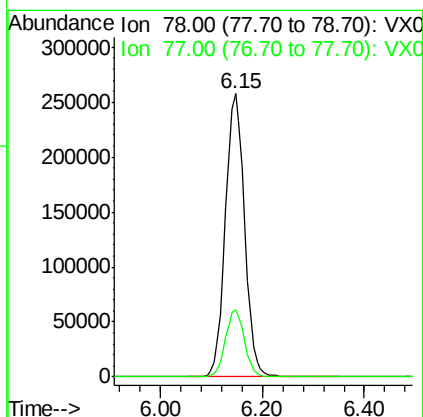
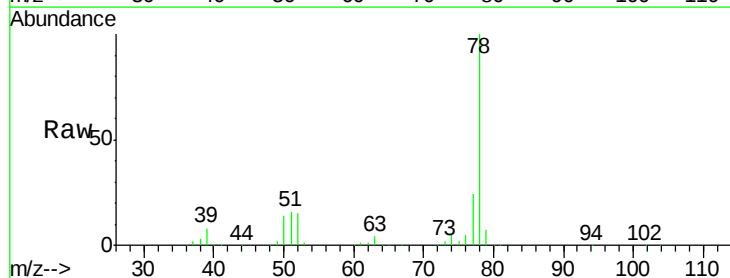
Instrument :
MSVOA_X
ClientSampleId :

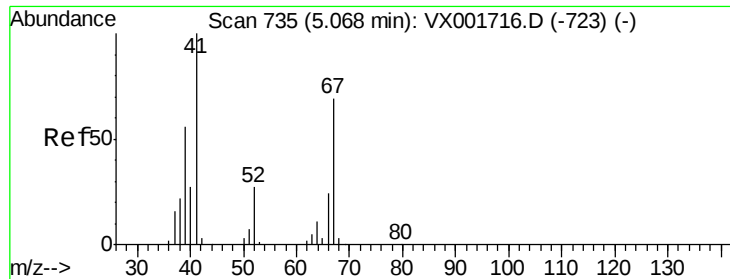
Tot Ion: 83 Resp: 281844
Ion Ratio Lower Upper
83 100
55 74.3 60.6 90.8
98 50.6 40.4 60.6



#40
Benzene
Concen: 50.68 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

Tgt Ion: 78 Resp: 672504
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4

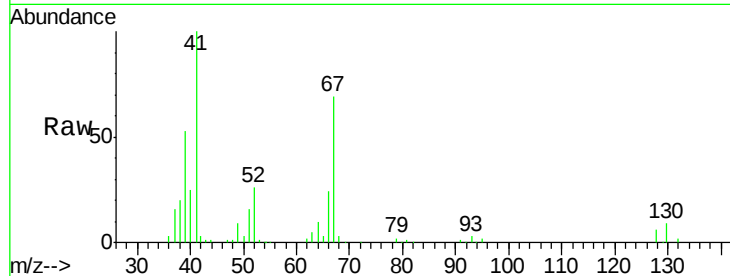




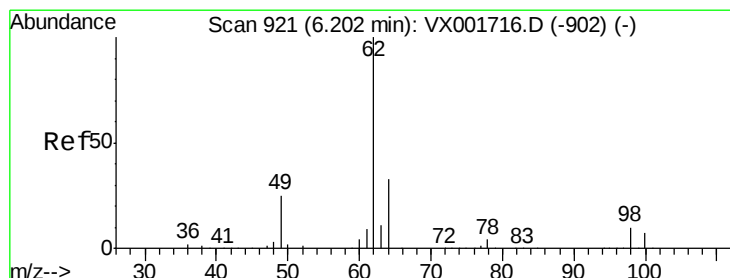
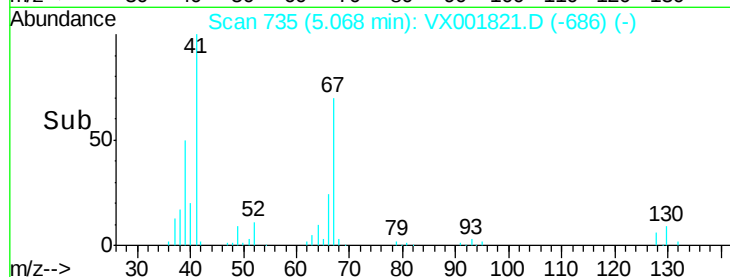
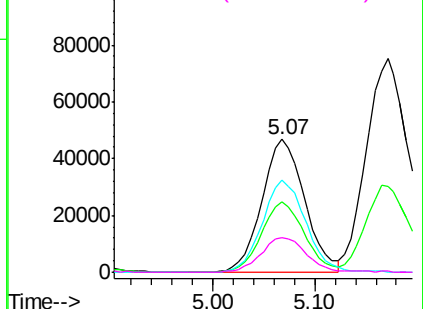
#41
Methacrylonitrile
Concen: 50.04 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	135823
Ion	Ratio	Lower	Upper
41	100		
39	53.4	44.2	66.4
67	70.6	56.0	84.0
52	28.5	22.6	33.8

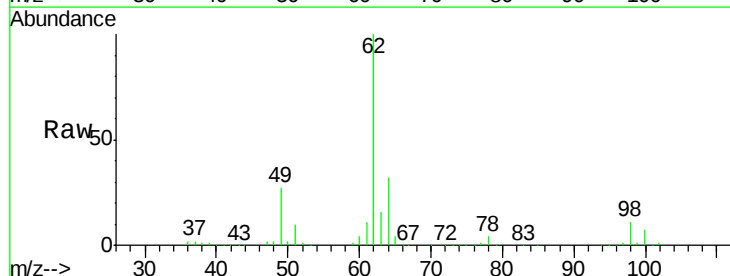


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

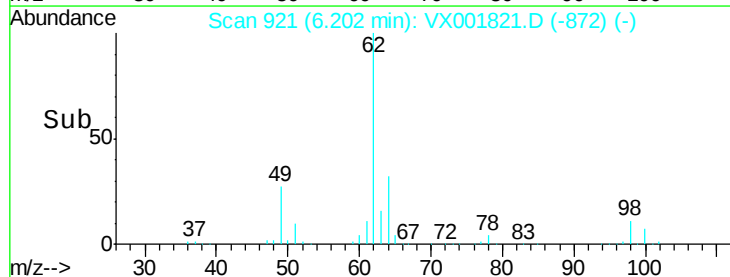
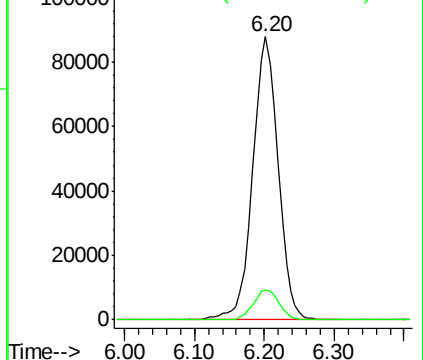


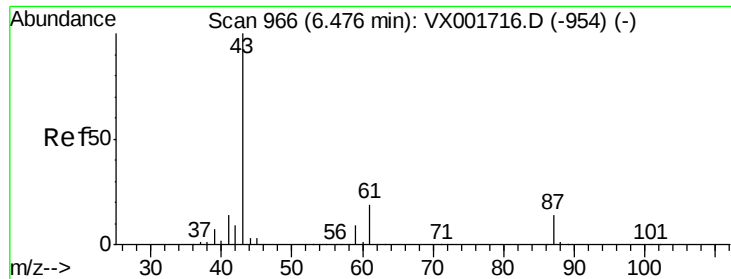
#42
1,2-Dichloroethane
Concen: 46.48 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

Tgt Ion:	62	Resp:	223080
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	20.0



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



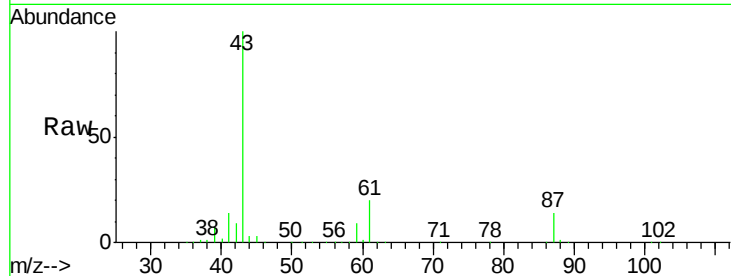


#43

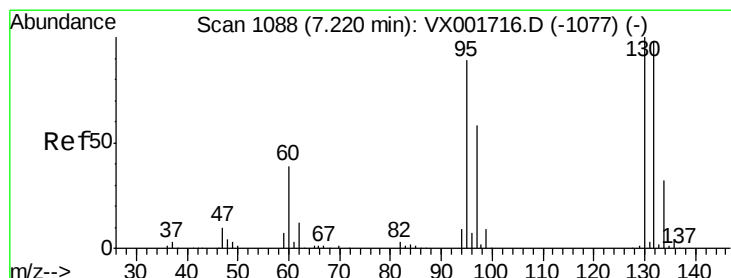
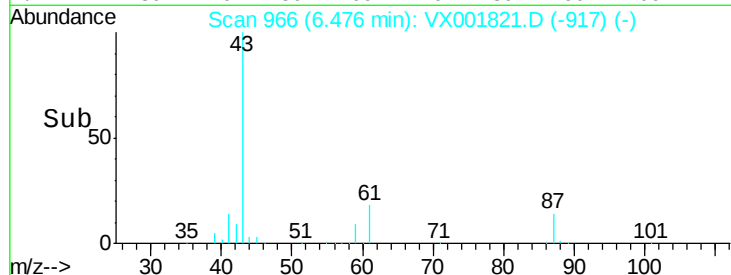
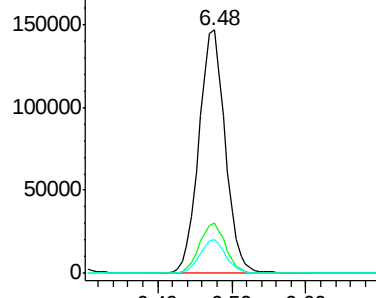
Isopropyl Acetate
 Concen: 49.44 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX001821.D
 Acq: 18 May 2018 12:30

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	15.8	23.8
87	13.8	11.0	16.4



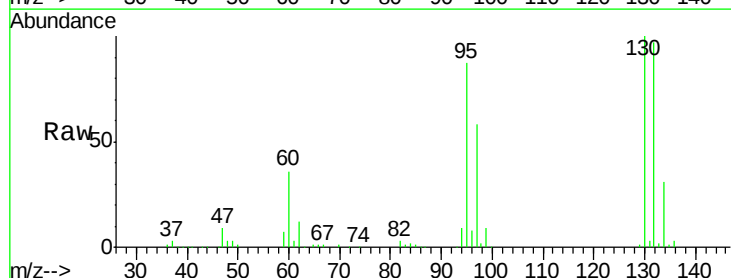
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



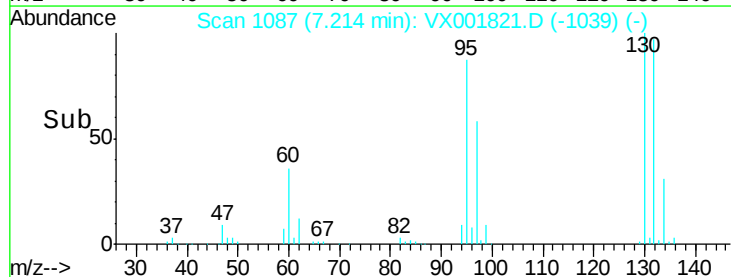
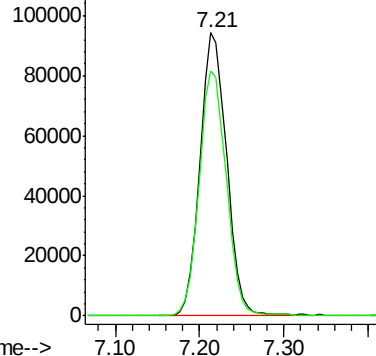
#44

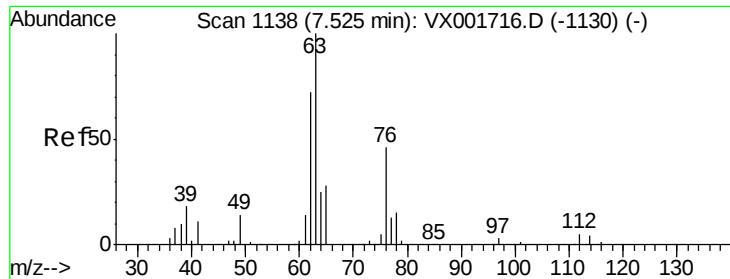
Trichloroethene
 Concen: 49.18 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX001821.D
 Acq: 18 May 2018 12:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.7	0.0	177.2



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

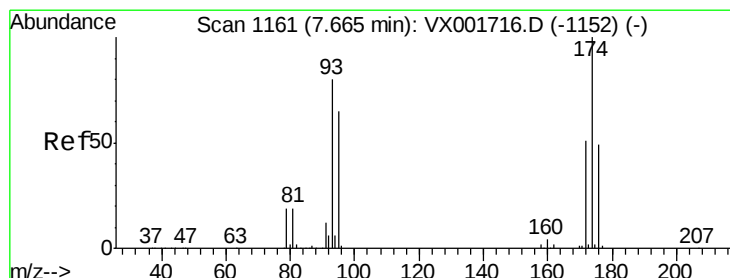
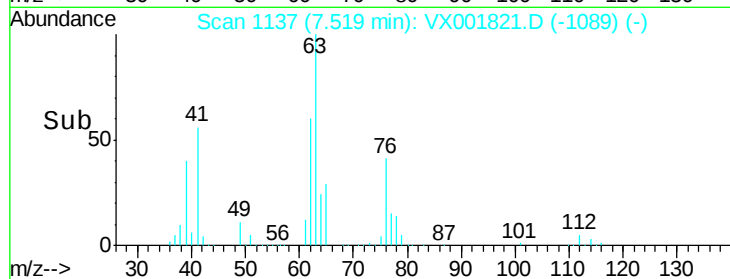
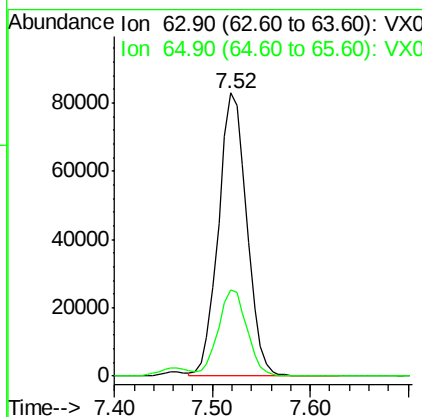
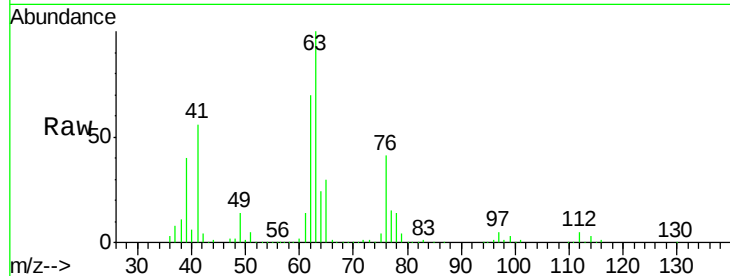




#45
 1,2-Dichloropropane
 Concen: 51.23 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX001821.D
 Acq: 18 May 2018 12:30

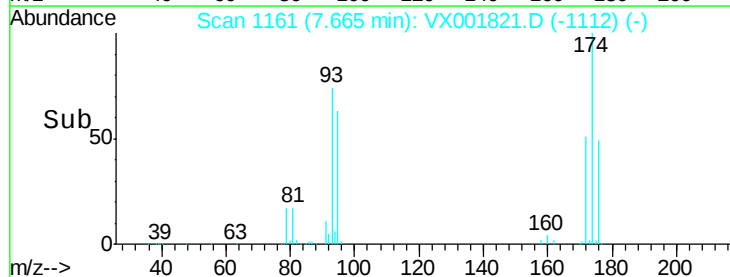
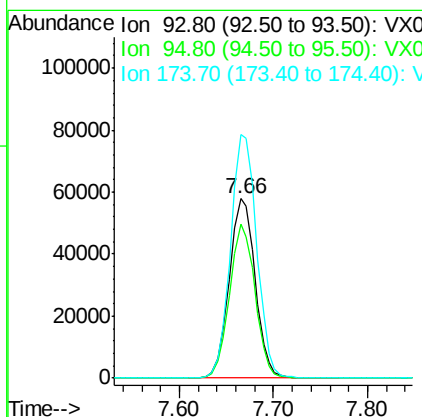
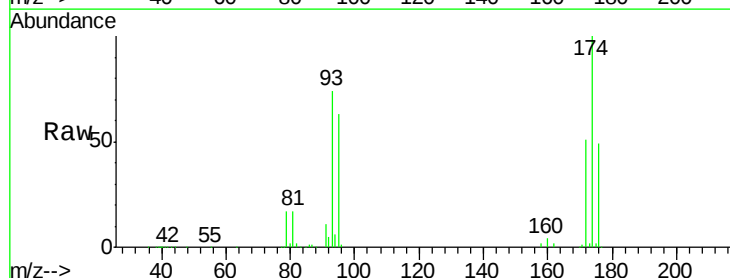
Instrument :
 MSVOA_X
 ClientSampleId :

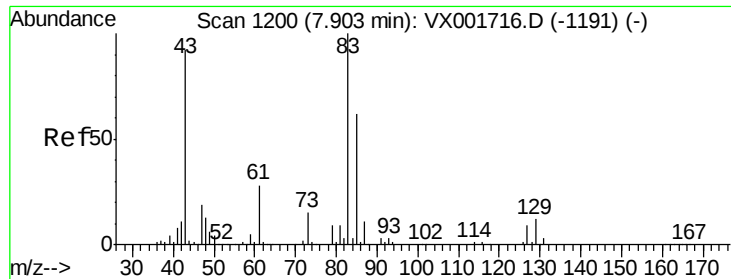
Tot Ion: 63 Resp: 166821
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.2 36.2



#46
 Dibromomethane
 Concen: 48.64 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX001821.D
 Acq: 18 May 2018 12:30

Tgt Ion: 93 Resp: 111210
 Ion Ratio Lower Upper
 93 100
 95 84.0 65.9 98.9
 174 136.4 106.2 159.2





#47

Bromodichloromethane

Concen: 50.89 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

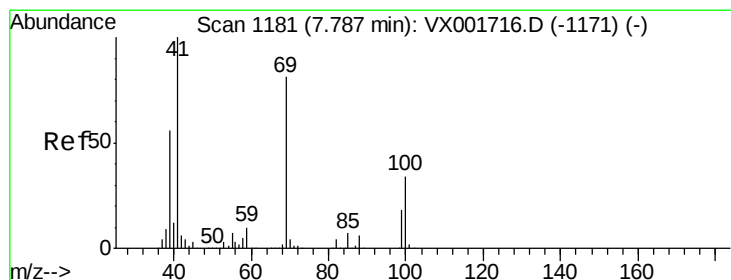
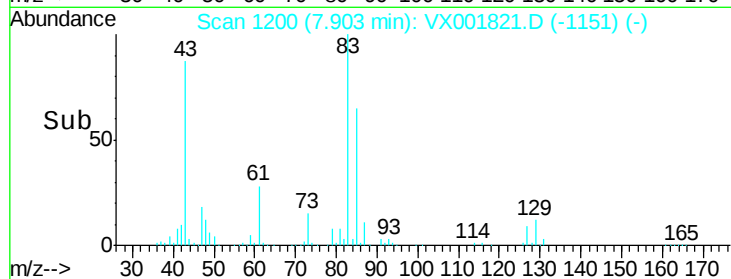
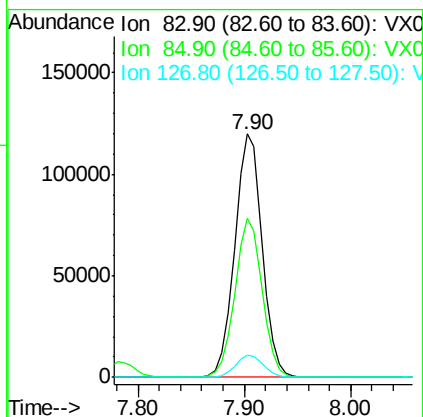
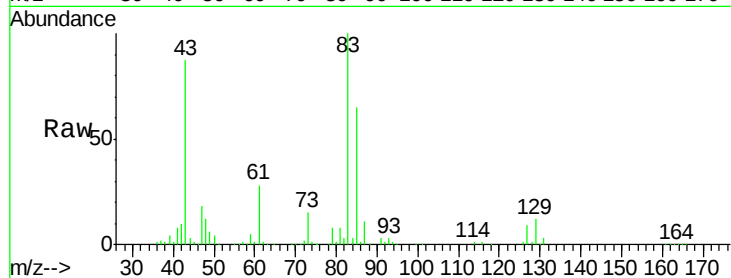
Tot Ion: 83 Resp: 215914

Ion Ratio Lower Upper

83 100

85 65.3 49.6 74.4

127 9.4 7.5 11.3



#48

Methyl methacrylate

Concen: 50.95 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

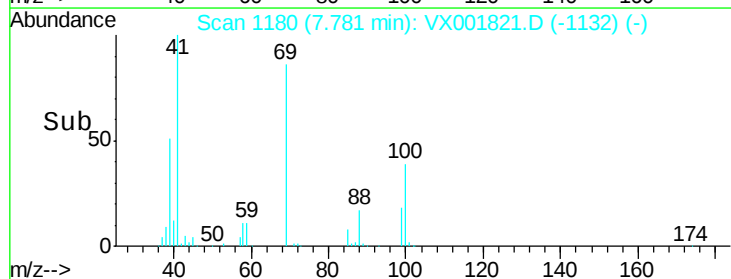
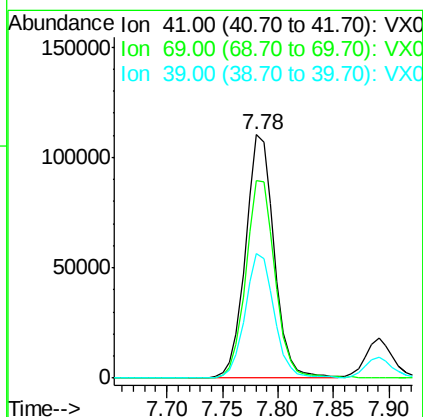
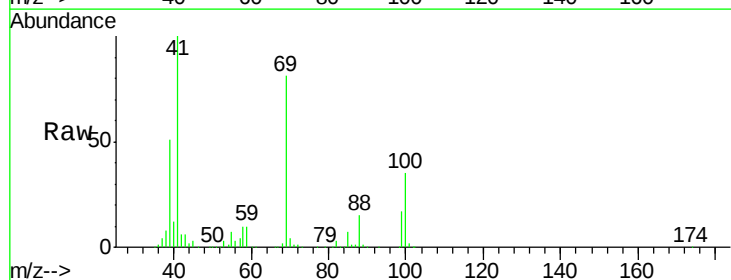
Tgt Ion: 41 Resp: 197038

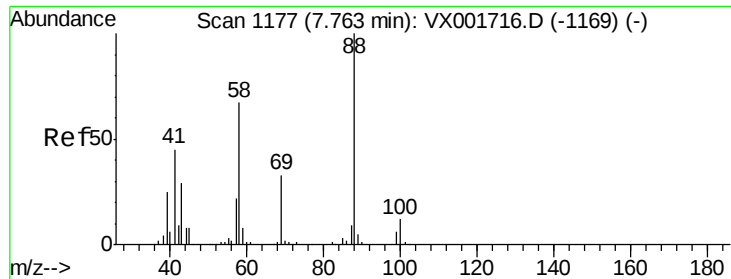
Ion Ratio Lower Upper

41 100

69 83.0 65.2 97.8

39 51.4 44.5 66.7

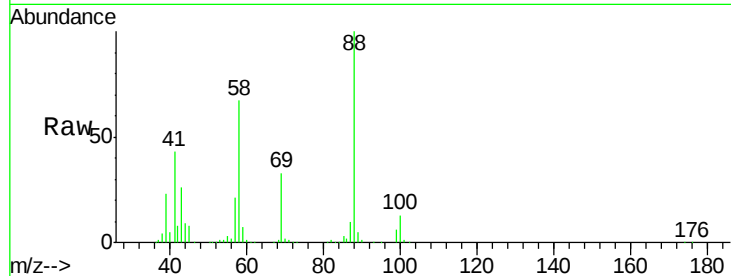




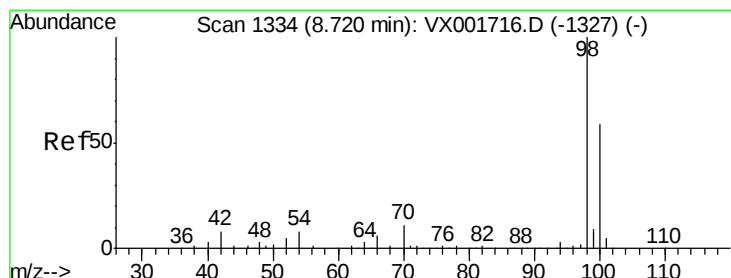
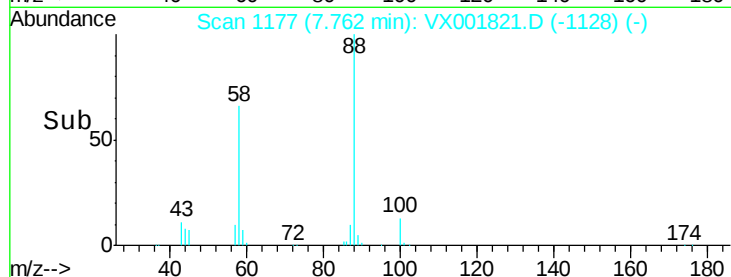
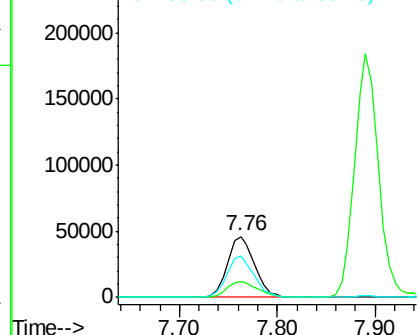
#49
1,4-Dioxane
Concen: 1179.46 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 87815
Ion Ratio Lower Upper
88 100
43 30.0 27.3 40.9
58 68.5 55.9 83.9

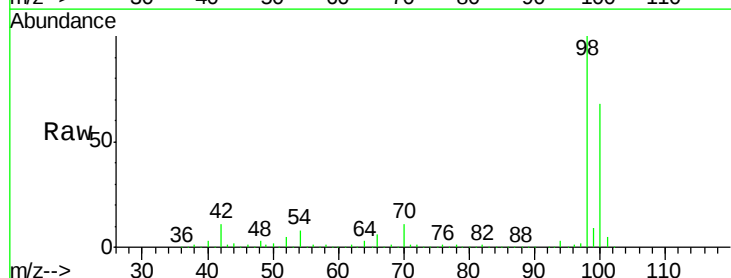


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

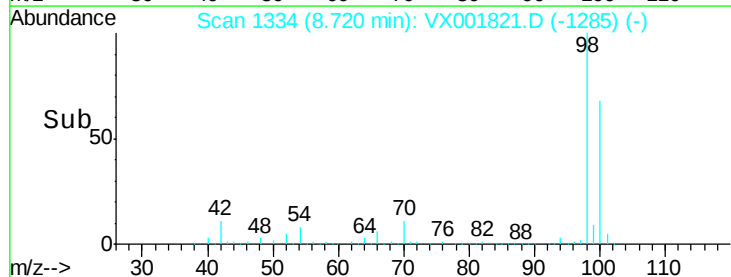
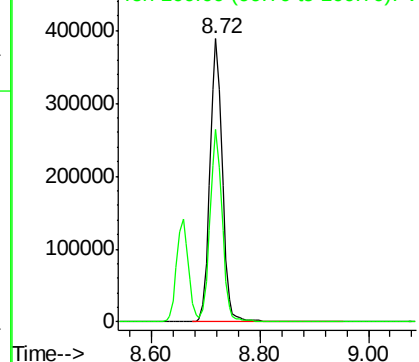


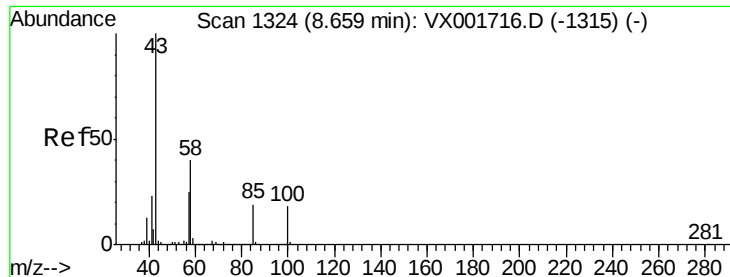
#50
Toluene-d8
Concen: 51.75 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

Tgt Ion: 98 Resp: 611925
Ion Ratio Lower Upper
98 100
100 67.1 54.0 81.0



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

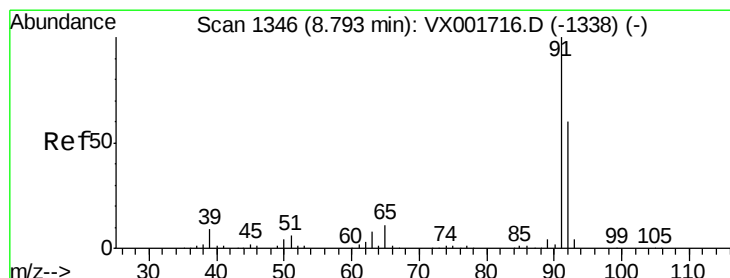
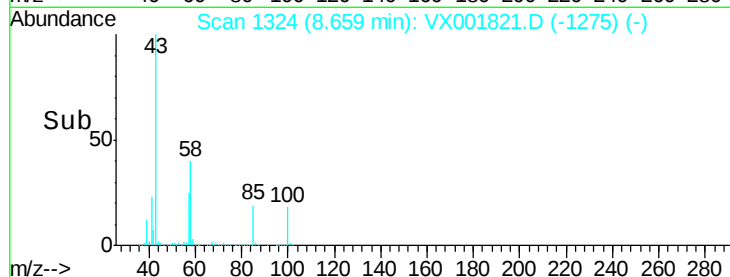
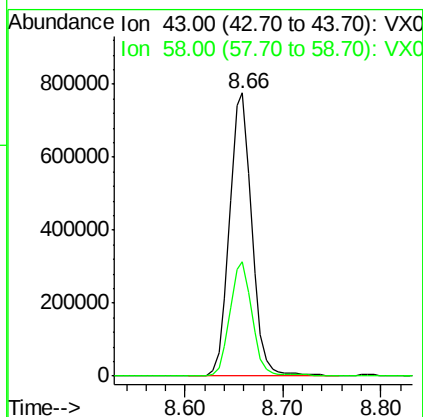
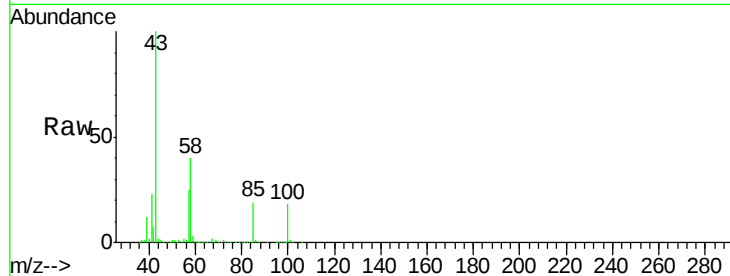




#51
 4-Methyl-2-Pentanone
 Concen: 264.31 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX001821.D
 Acq: 18 May 2018 12:30

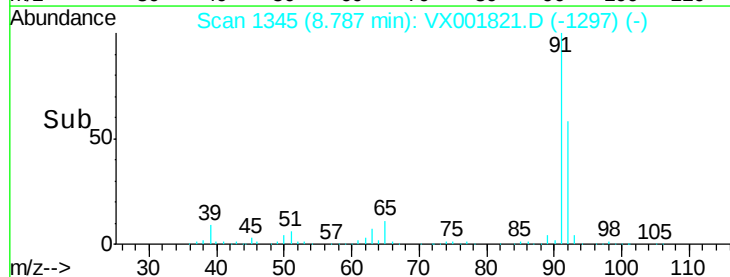
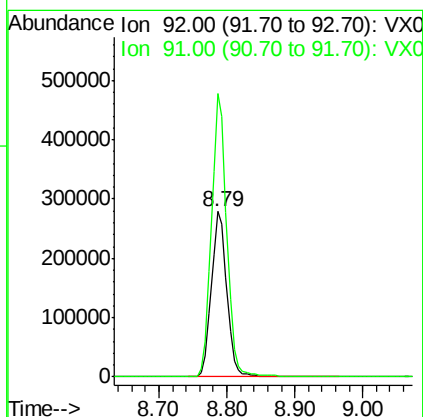
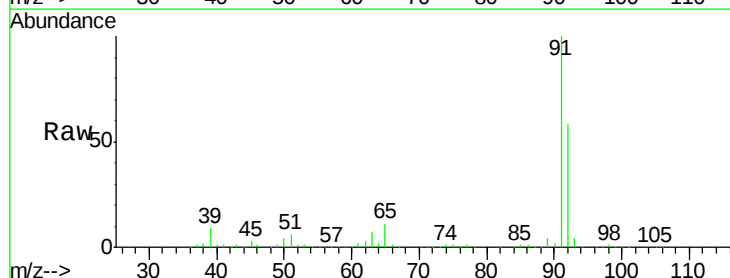
Instrument :
 MSVOA_X
 ClientSampleId :

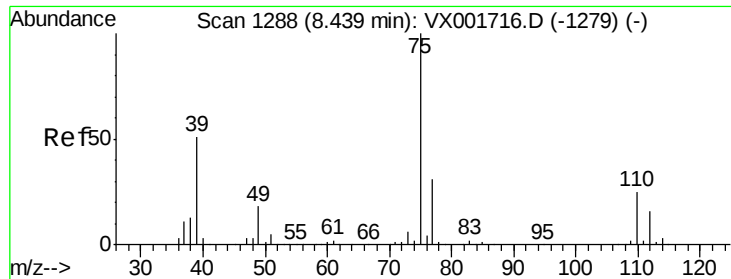
Tot Ion: 43 Resp: 1230520
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.4 47.0



#52
 Toluene
 Concen: 51.73 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VX001821.D
 Acq: 18 May 2018 12:30

Tgt Ion: 92 Resp: 441076
 Ion Ratio Lower Upper
 92 100
 91 169.0 135.5 203.3

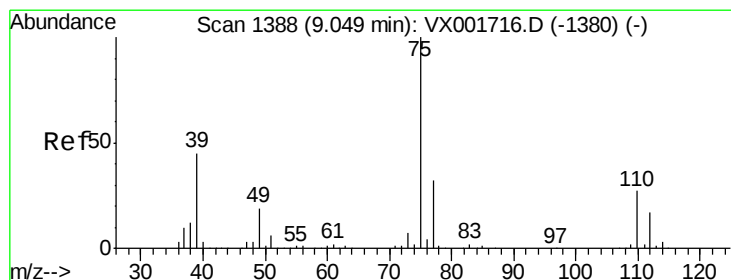
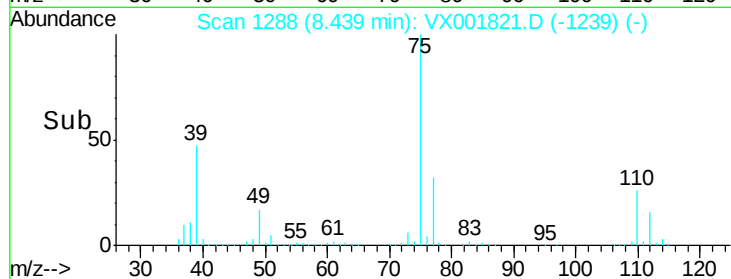
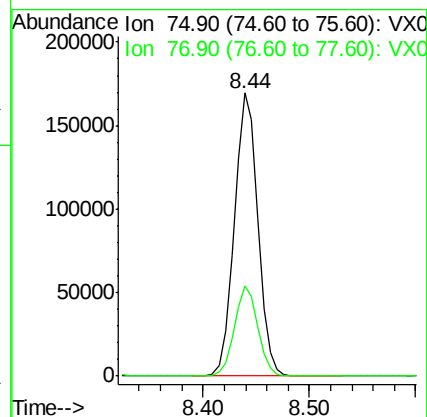
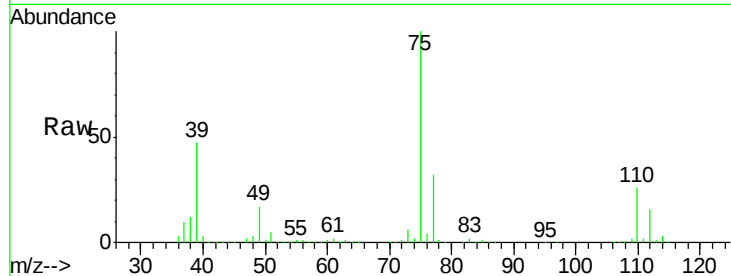




#53
t-1,3-Dichloropropene
Concen: 52.62 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

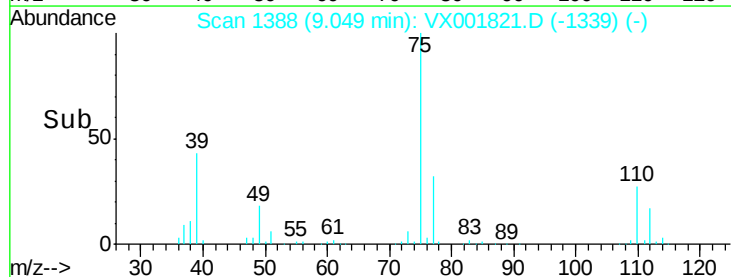
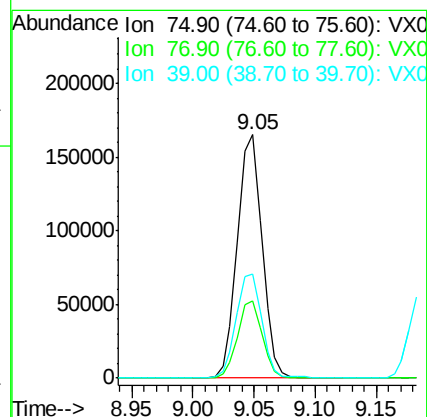
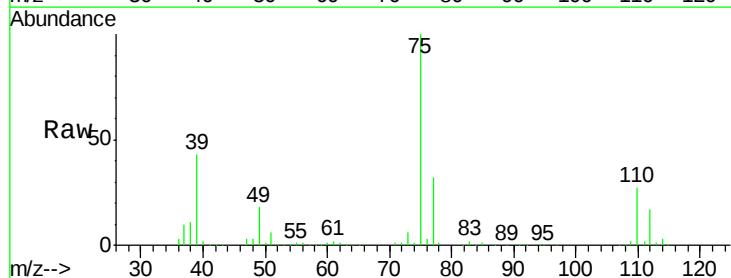
Instrument :
MSVOA_X
ClientSampleId :

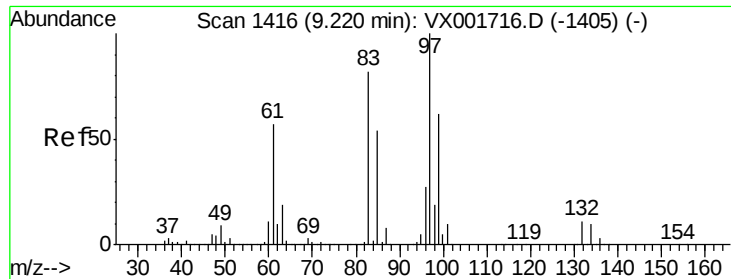
Tot Ion: 75 Resp: 262680
Ion Ratio Lower Upper
75 100
77 32.0 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 52.47 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

Tgt Ion: 75 Resp: 230879
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2
39 42.7 36.1 54.1

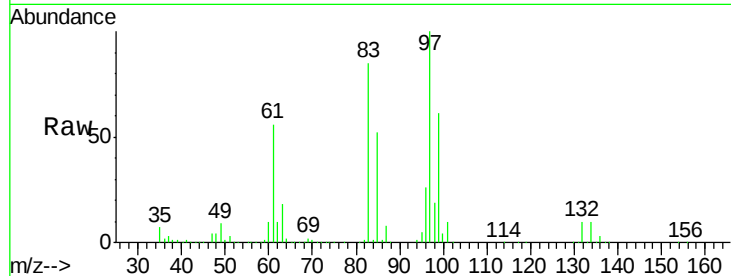




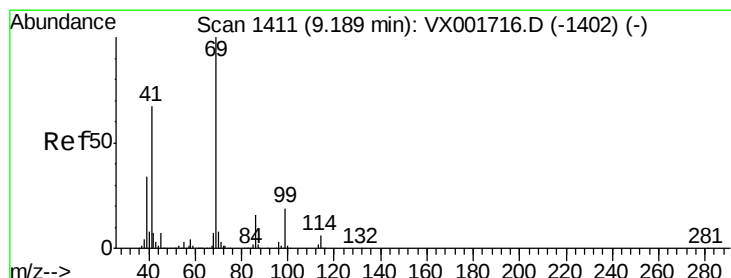
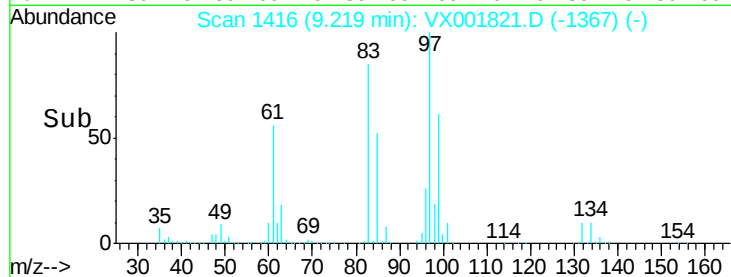
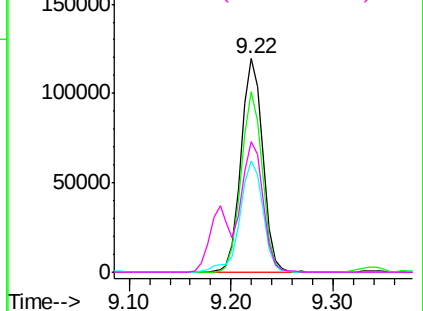
#55
 1,1,2-Trichloroethane
 Concen: 53.84 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001821.D
 Acq: 18 May 2018 12:30

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	175485
Ion	Ratio	Lower	Upper
97	100		
83	84.5	65.8	98.8
85	52.2	43.4	65.0
99	61.3	49.8	74.6

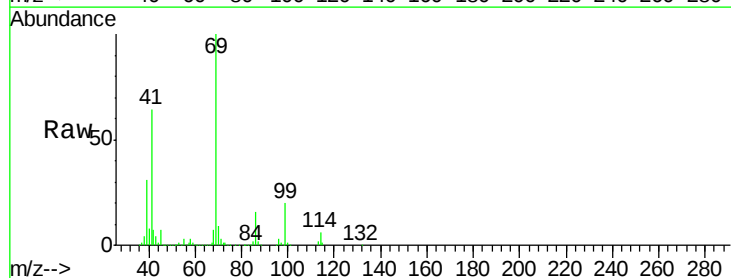


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

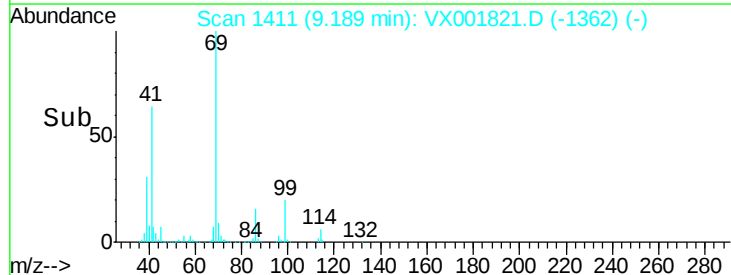
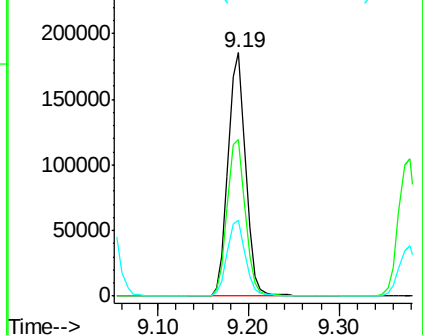


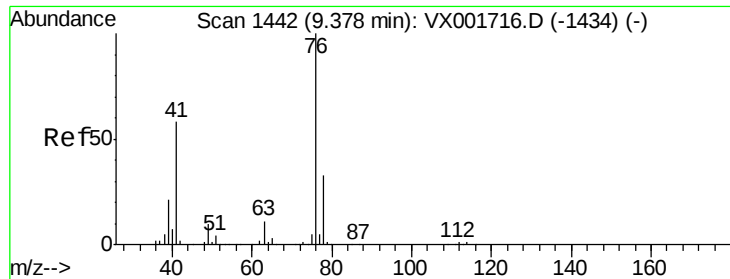
#56
 Ethyl methacrylate
 Concen: 54.56 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001821.D
 Acq: 18 May 2018 12:30

Tgt Ion:	69	Resp:	252188
Ion	Ratio	Lower	Upper
69	100		
41	66.2	53.5	80.3
39	32.4	27.2	40.8



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 46.34 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Instrument :

MSVOA_X

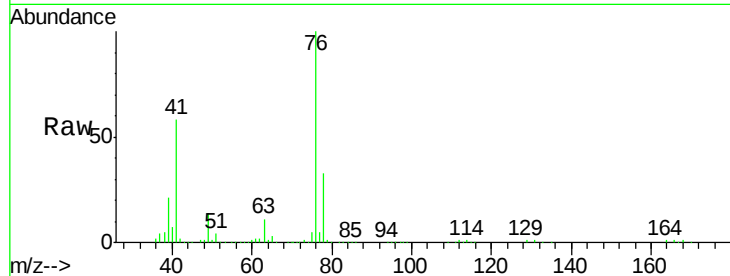
ClientSampled :

Tot Ion: 76 Resp: 252876

Ion Ratio Lower Upper

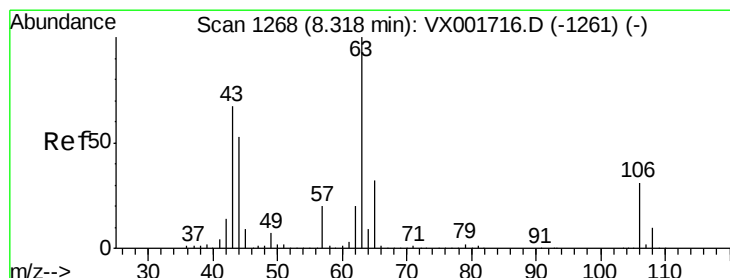
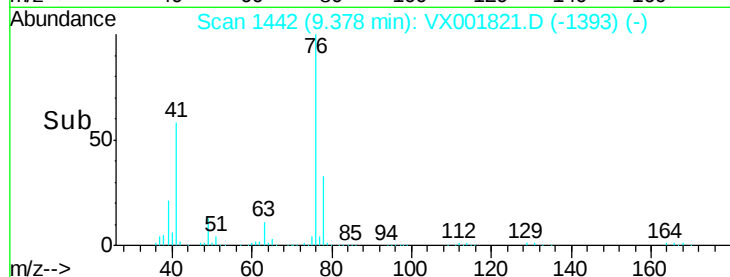
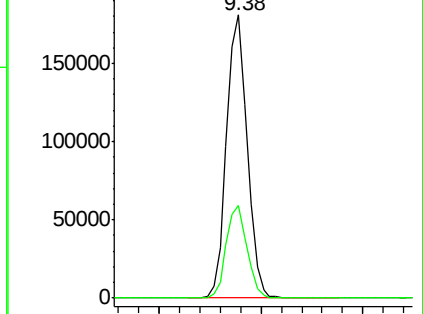
76 100

78 33.0 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 271.84 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX001821.D

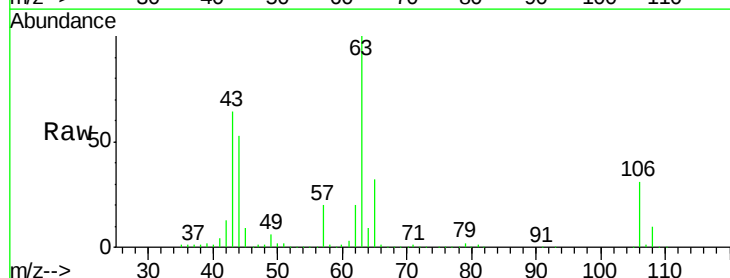
Acq: 18 May 2018 12:30

Tgt Ion: 63 Resp: 646350

Ion Ratio Lower Upper

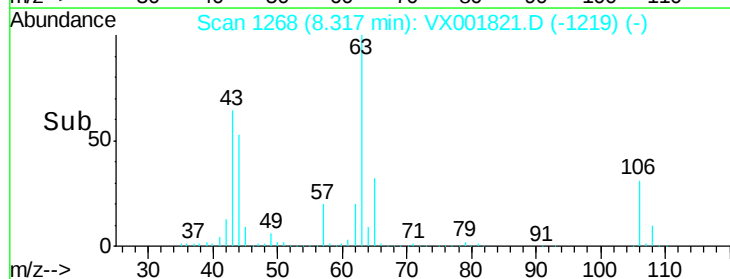
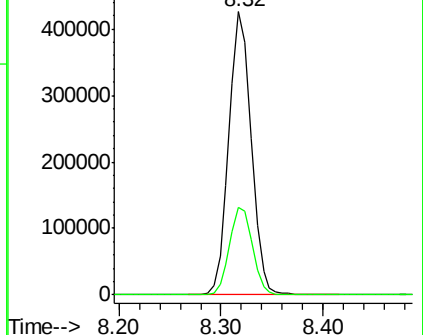
63 100

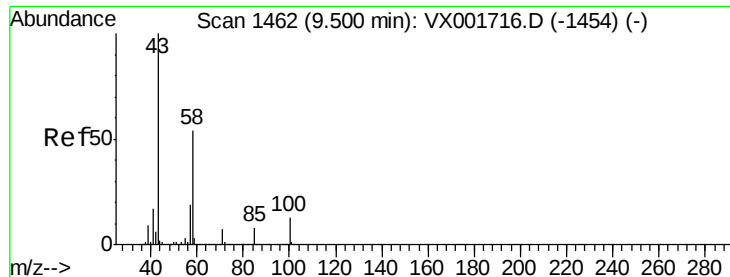
106 31.8 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

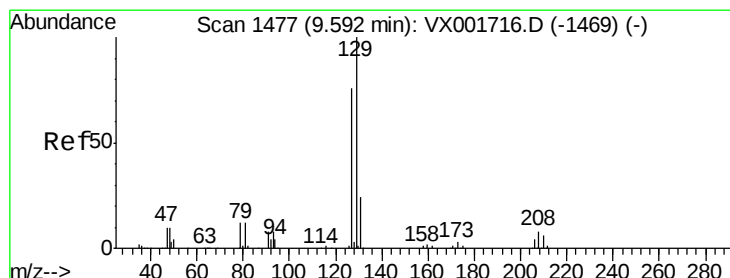
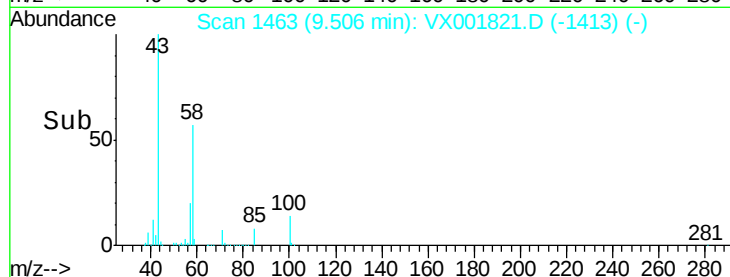
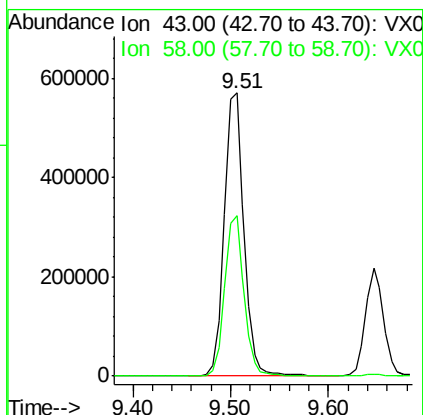
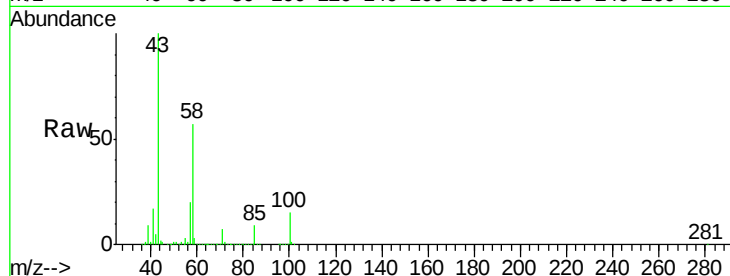




#59
2-Hexanone
Concen: 239.67 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

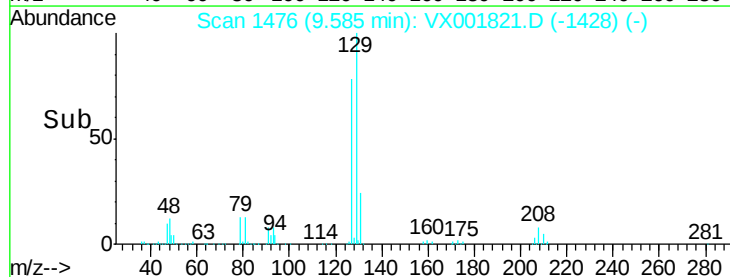
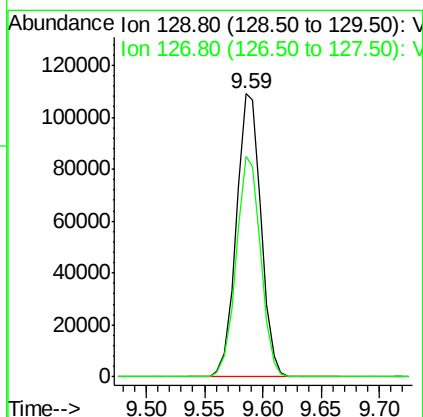
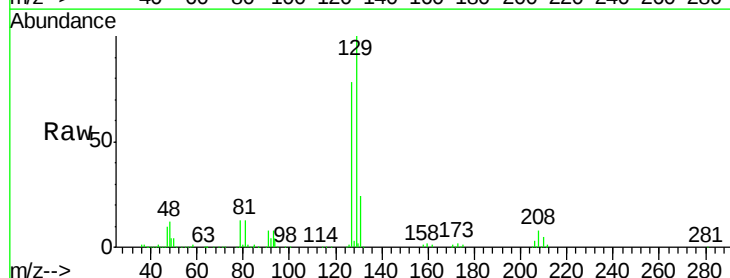
Instrument :
MSVOA_X
ClientSampleId :

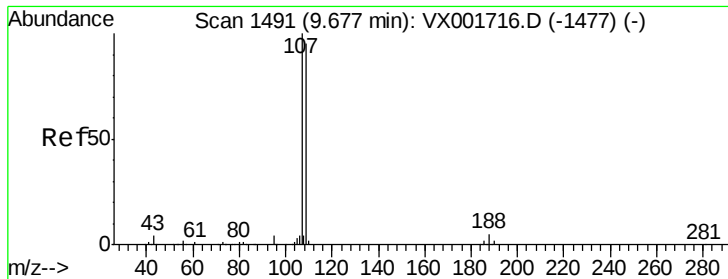
Tot Ion: 43 Resp: 798763
Ion Ratio Lower Upper
43 100
58 55.9 27.7 83.1



#60
Dibromochloromethane
Concen: 48.11 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

Tgt Ion: 129 Resp: 160588
Ion Ratio Lower Upper
129 100
127 77.1 38.7 116.1





#61

1,2-Dibromoethane

Concen: 45.57 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Instrument :

MSVOA_X

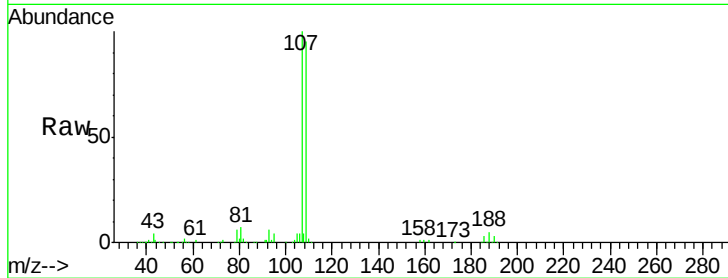
ClientSampleId :

Tot Ion:107 Resp: 155491

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

9.68

120000

100000

80000

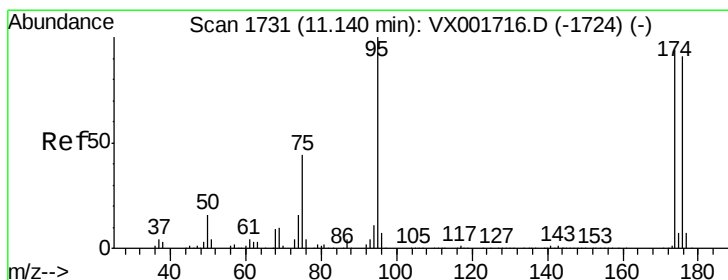
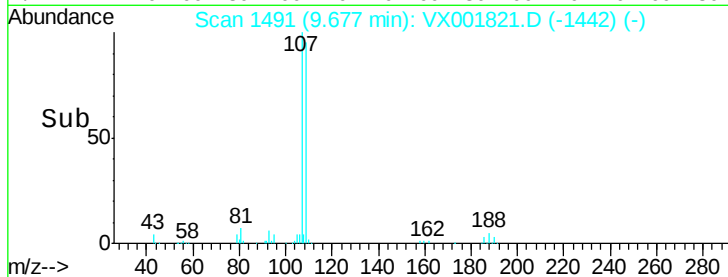
60000

40000

20000

0

Time--> 9.50 9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 44.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

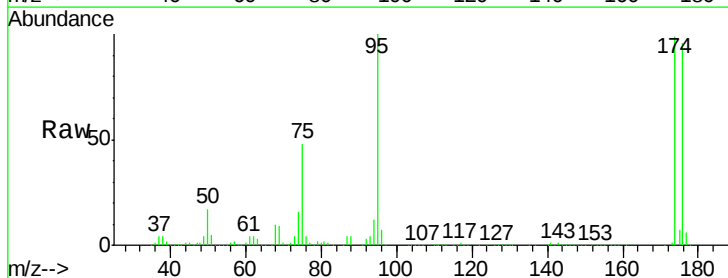
Tgt Ion: 95 Resp: 188469

Ion Ratio Lower Upper

95 100

174 104.0 0.0 201.8

176 101.2 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

200000

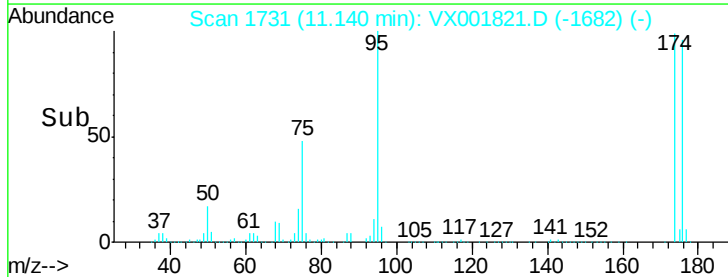
150000

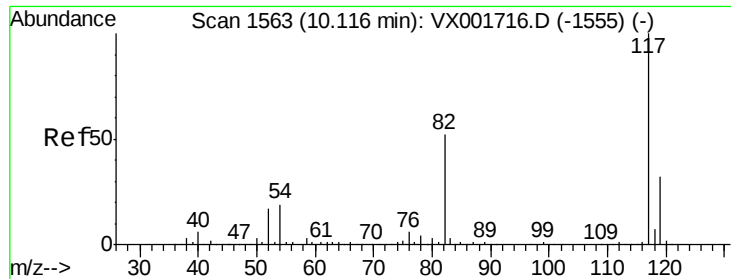
100000

50000

0

Time--> 11.10 11.20





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Instrument :

MSVOA_X

ClientSampled :

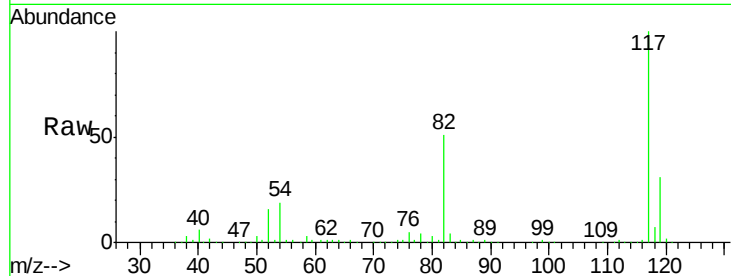
Tot Ion:117 Resp: 311289

Ion Ratio Lower Upper

117 100

82 51.4 41.4 62.2

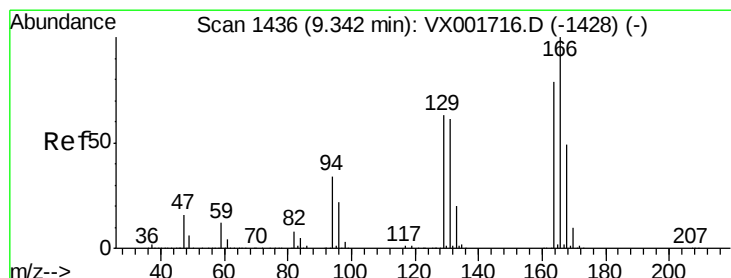
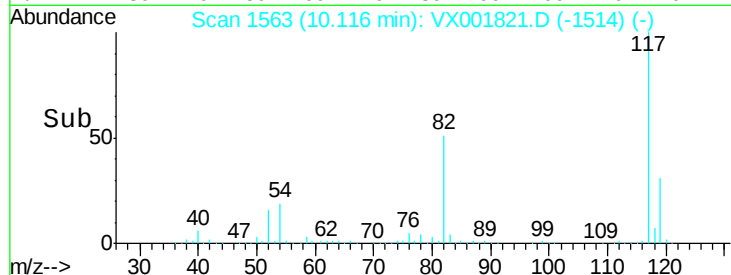
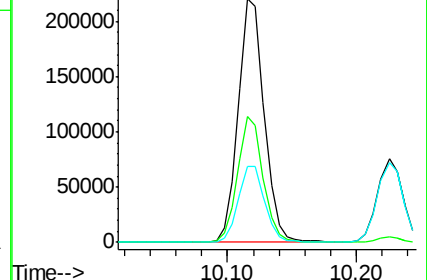
119 31.2 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 55.91 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Tgt Ion:164 Resp: 226546

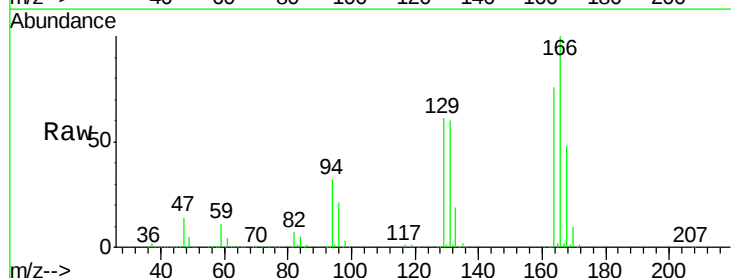
Ion Ratio Lower Upper

164 100

166 131.1 101.8 152.8

129 80.0 63.8 95.6

131 78.2 62.2 93.2

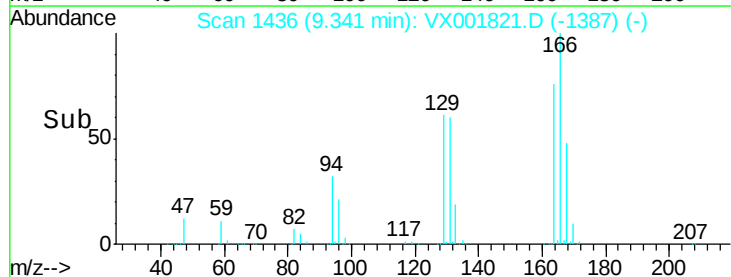
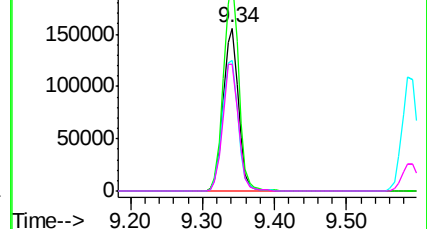


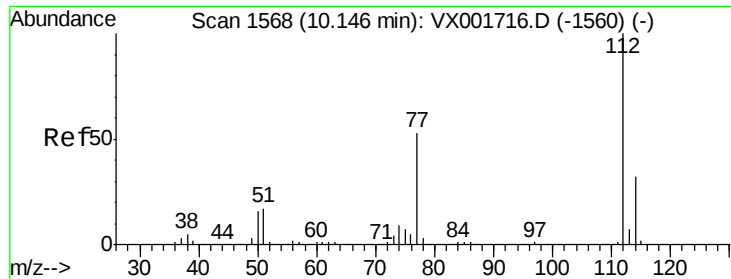
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

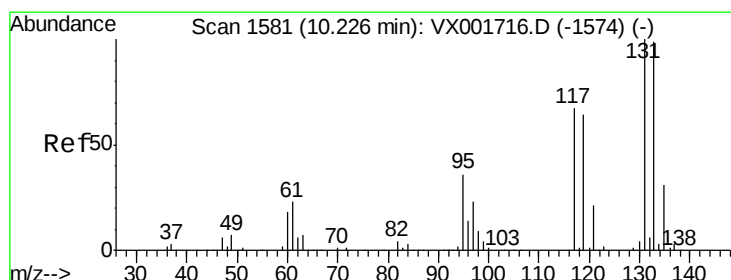
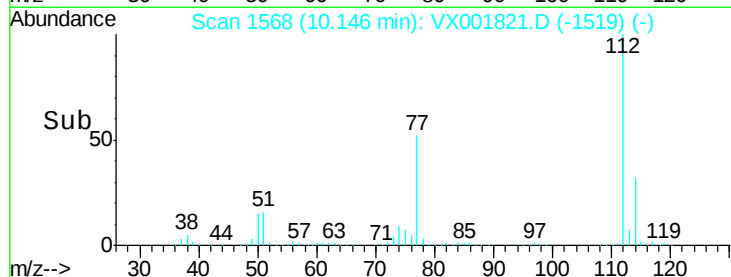
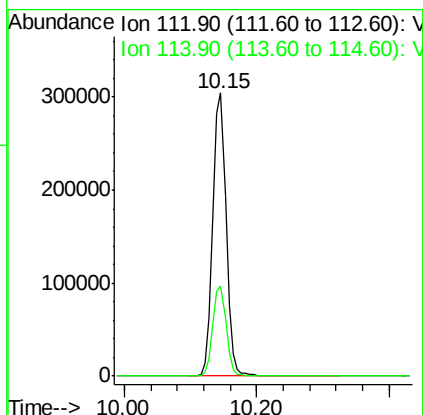
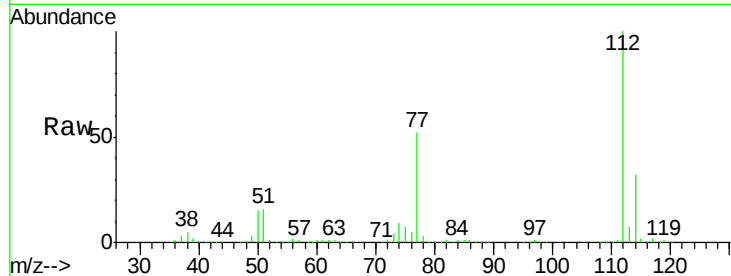




#65
Chlorobenzene
Concen: 49.27 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

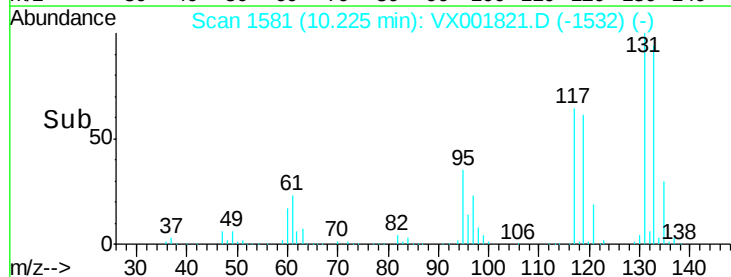
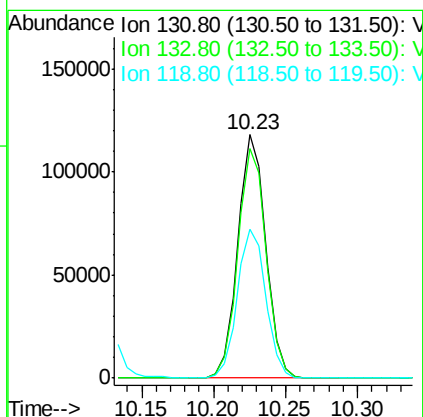
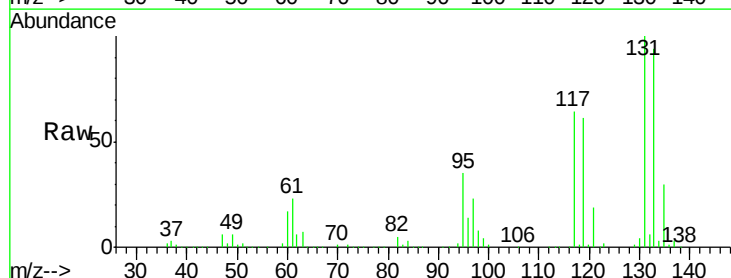
Instrument :
MSVOA_X
ClientSampleId :

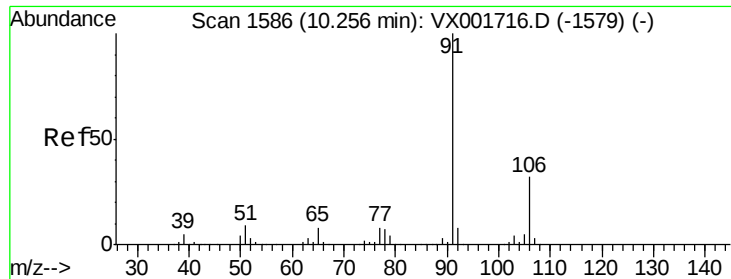
Tot Ion:112 Resp: 421838
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 52.55 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

Tgt Ion:131 Resp: 158913
Ion Ratio Lower Upper
131 100
133 95.3 48.5 145.6
119 62.6 31.9 95.5

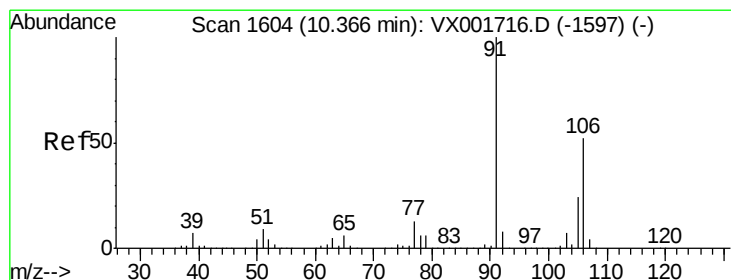
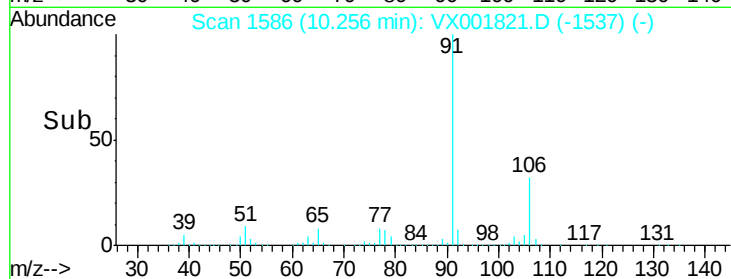
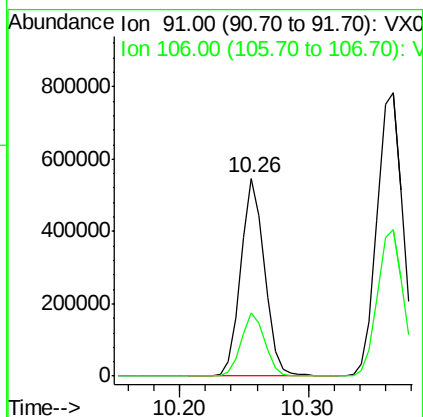
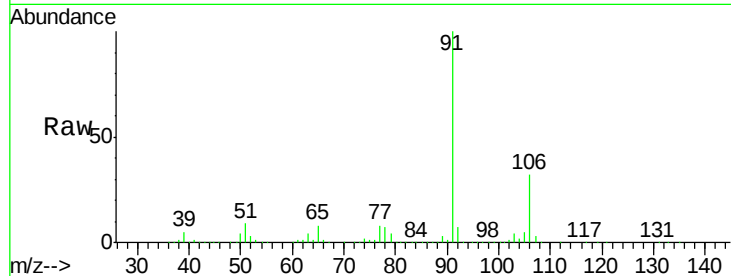




#67
Ethyl Benzene
Concen: 51.29 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

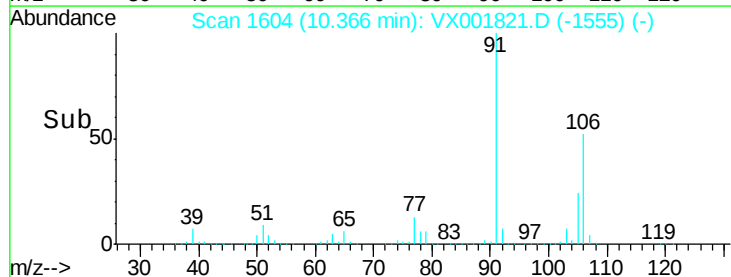
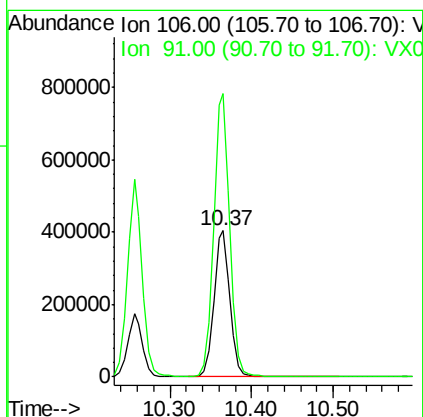
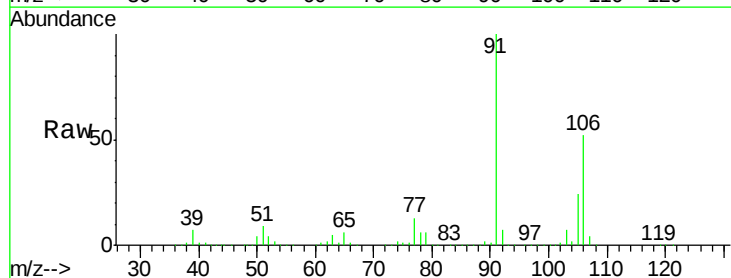
Instrument :
MSVOA_X
ClientSampled :

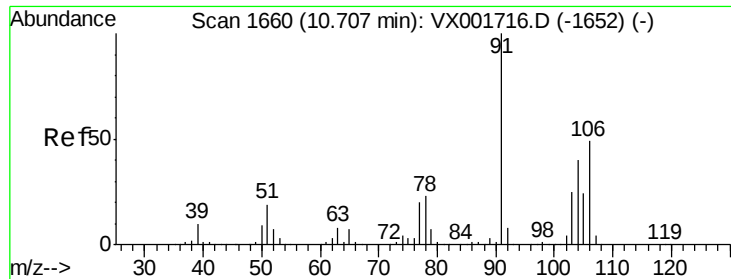
Tot Ion: 91 Resp: 701815
Ion Ratio Lower Upper
91 100
106 32.3 25.7 38.5



#68
m/p-Xylenes
Concen: 103.48 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

Tgt Ion:106 Resp: 558689
Ion Ratio Lower Upper
106 100
91 194.9 155.4 233.2

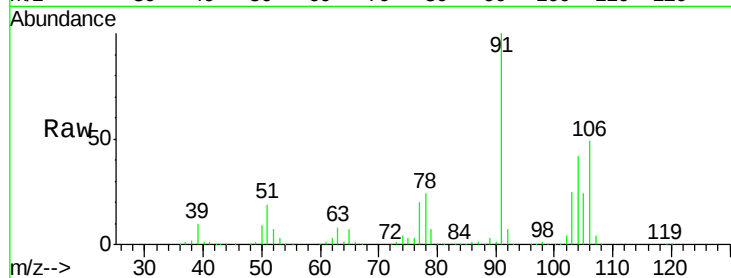




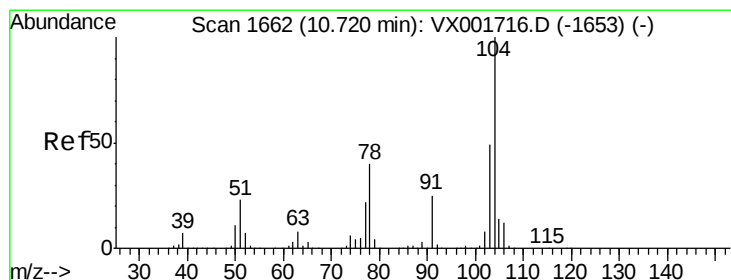
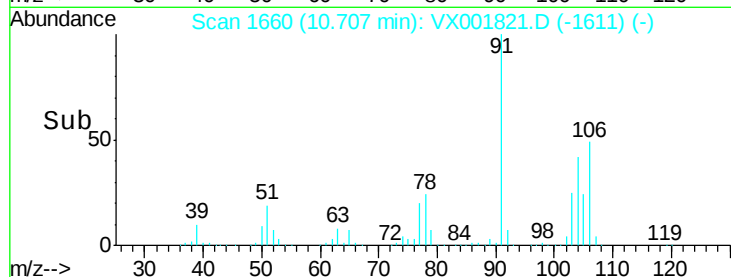
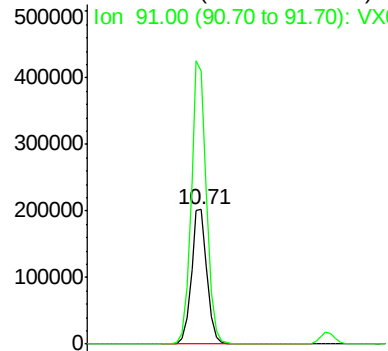
#69
o-Xylene
Concen: 52.63 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 272124
Ion Ratio Lower Upper
106 100
91 205.1 103.4 310.2

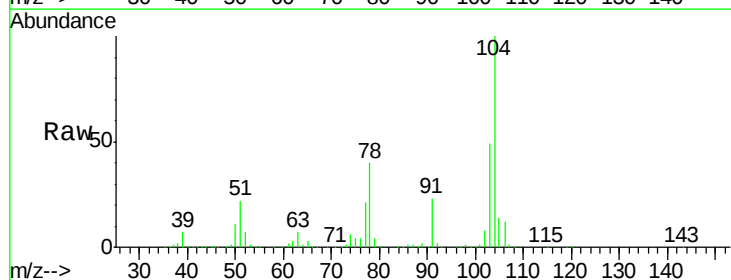


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

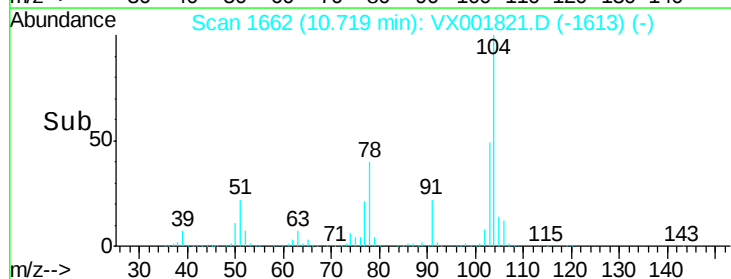
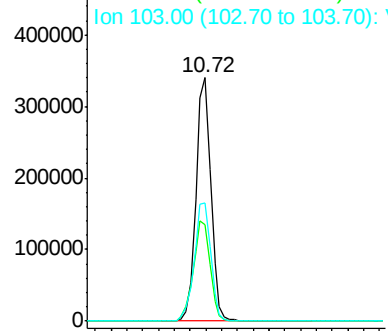


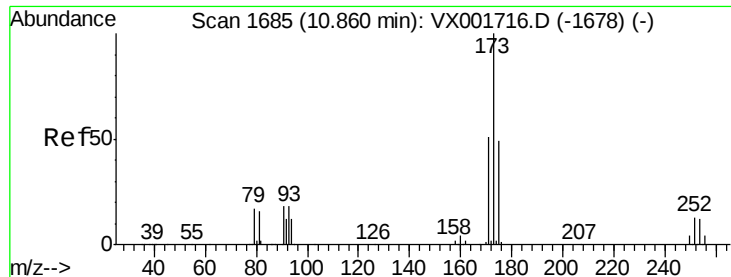
#70
Styrene
Concen: 52.54 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

Tgt Ion:104 Resp: 448070
Ion Ratio Lower Upper
104 100
78 46.8 37.3 55.9
103 54.6 43.7 65.5



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





#71

Bromoform

Concen: 47.38 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

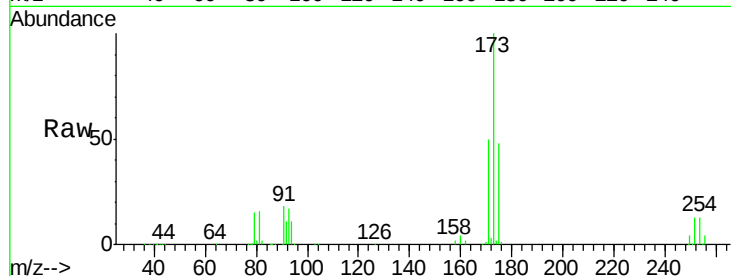
Tot Ion:173 Resp: 132900

Ion Ratio Lower Upper

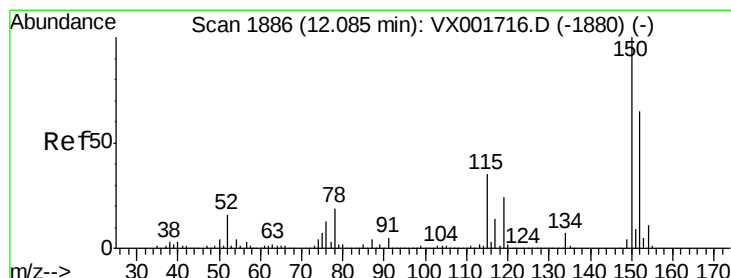
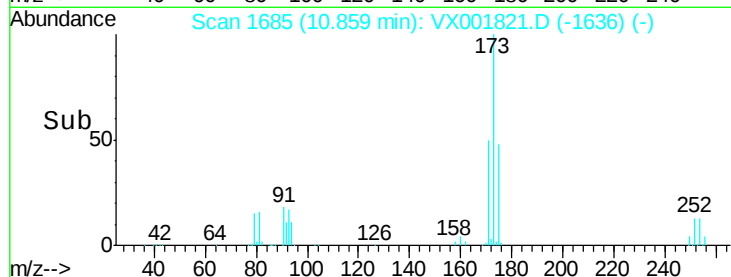
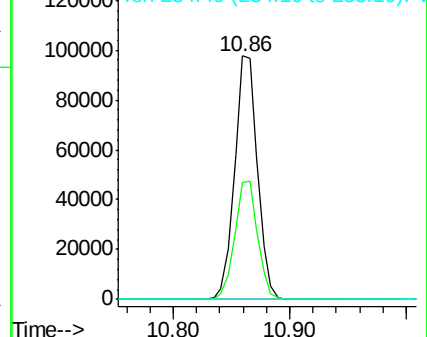
173 100

175 48.9 24.3 72.8

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

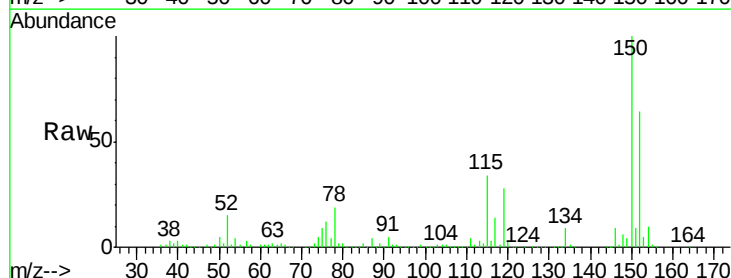
Tgt Ion:152 Resp: 206612

Ion Ratio Lower Upper

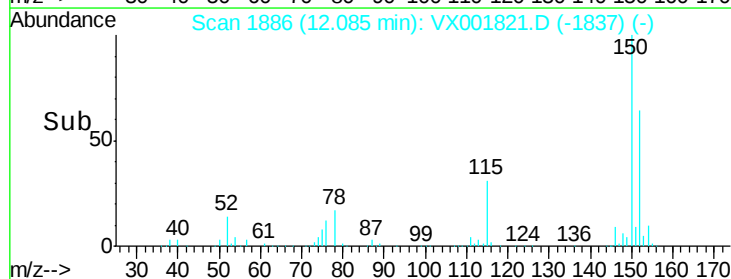
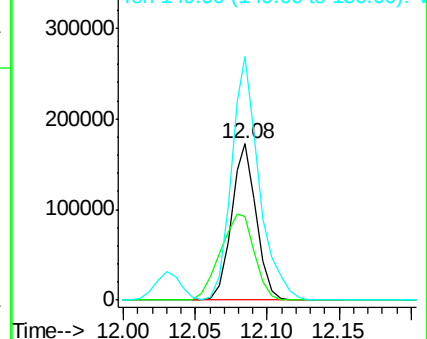
152 100

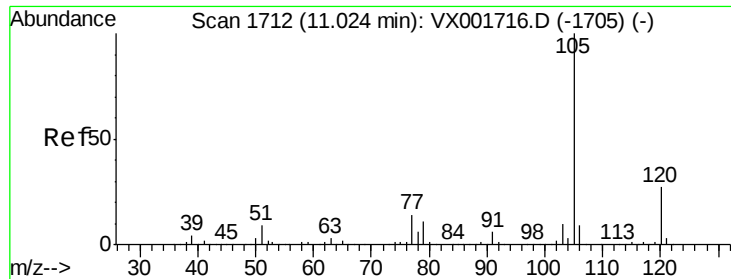
115 76.1 37.4 112.2

150 173.7 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: 53.74 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Instrument :

MSVOA_X

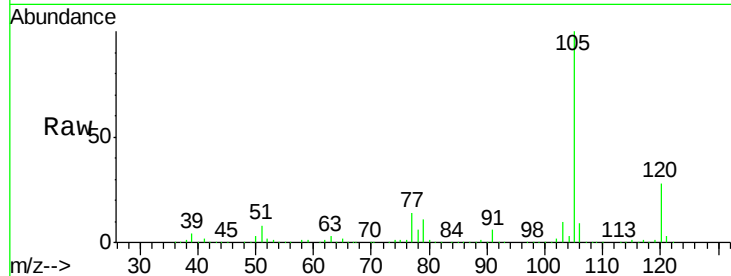
ClientSampleId :

Tot Ion:105 Resp: 731225

Ion Ratio Lower Upper

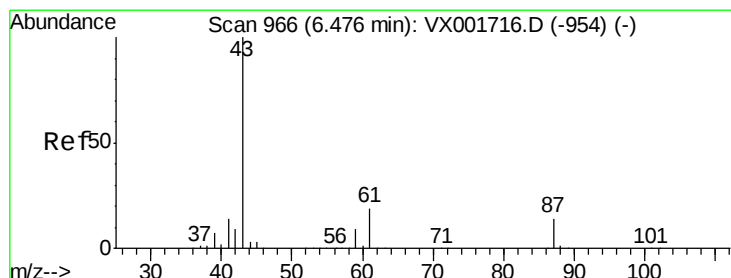
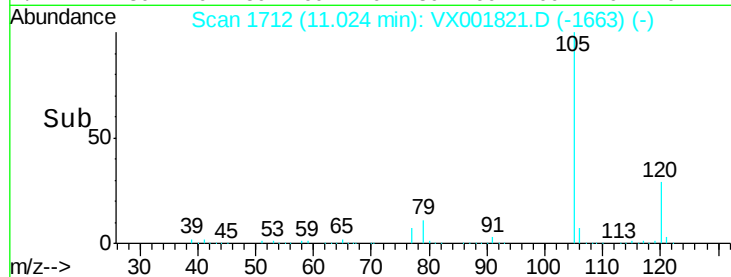
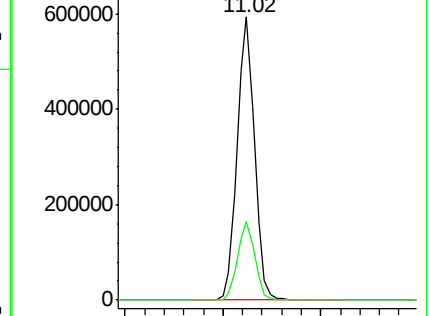
105 100

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: 55.67 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Tgt Ion: 43 Resp: 363178

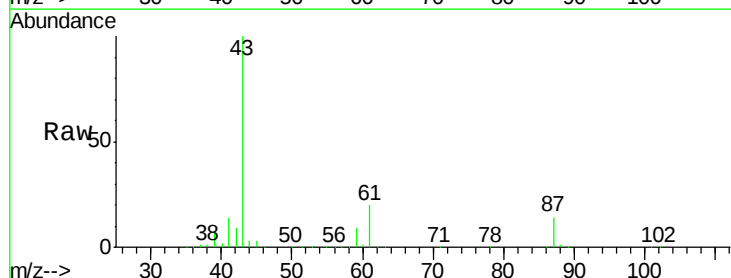
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 20.7 15.8 23.8

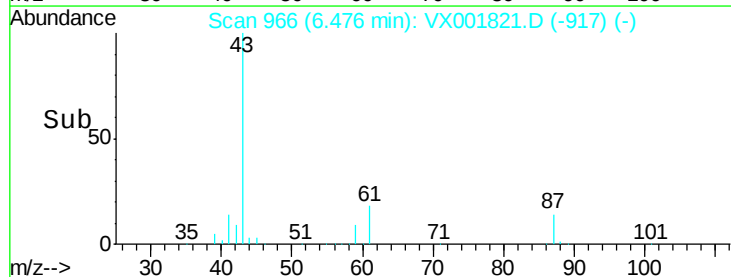
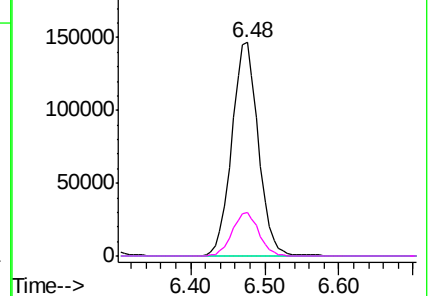


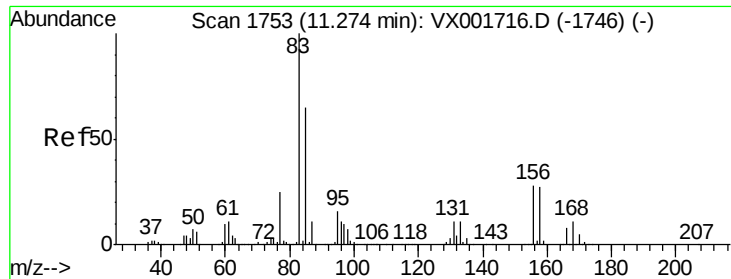
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 50.27 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

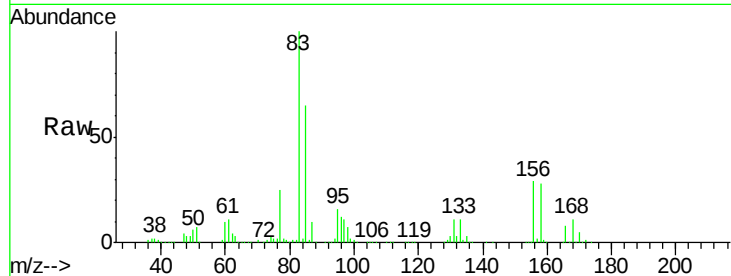
Tot Ion: 83 Resp: 205167

Ion Ratio Lower Upper

83 100

131 11.4 5.7 17.0

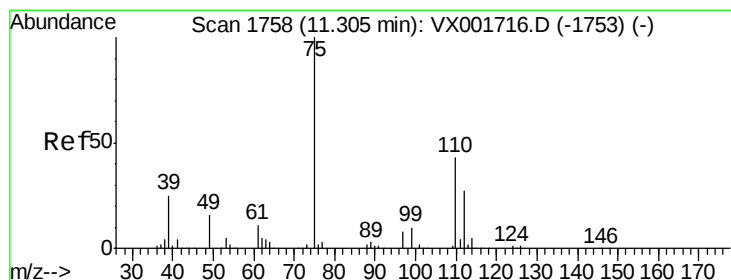
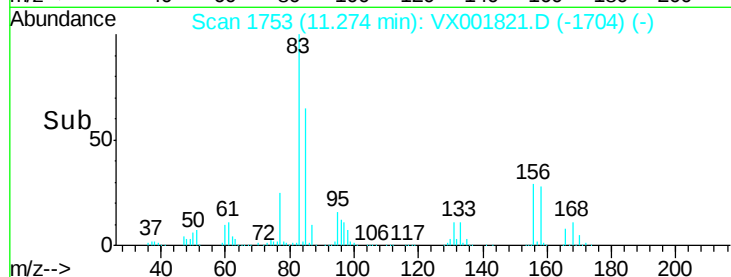
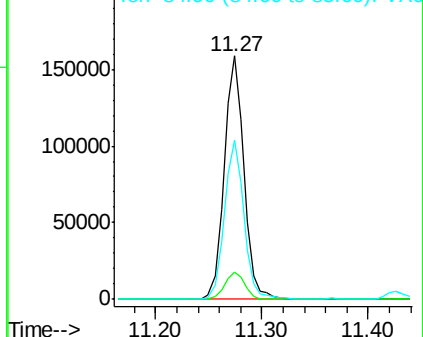
85 65.0 32.7 98.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 62.31 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX001821.D

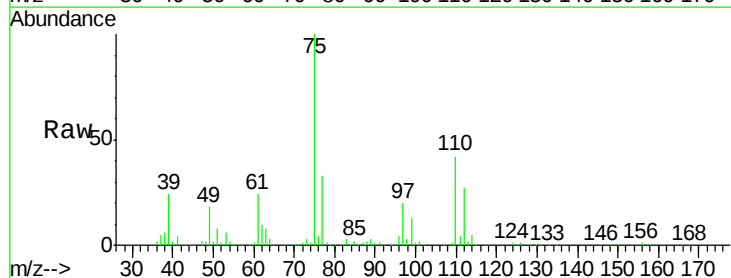
Acq: 18 May 2018 12:30

Tgt Ion: 75 Resp: 244800

Ion Ratio Lower Upper

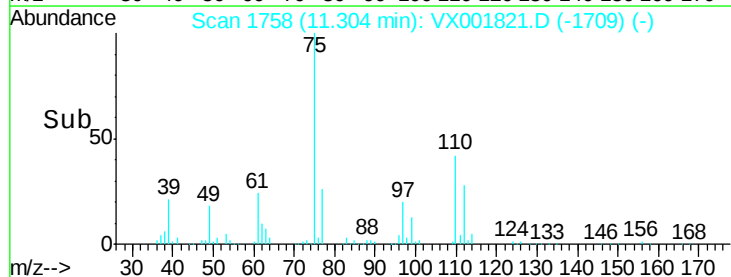
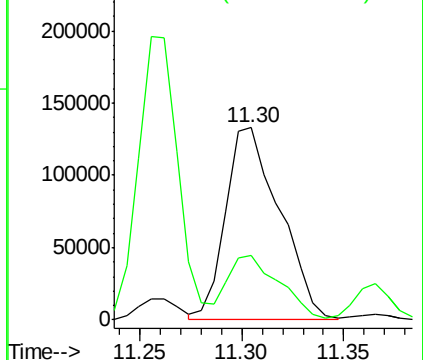
75 100

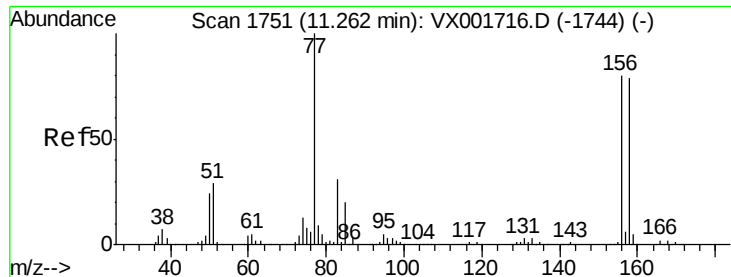
77 31.7 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.99 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

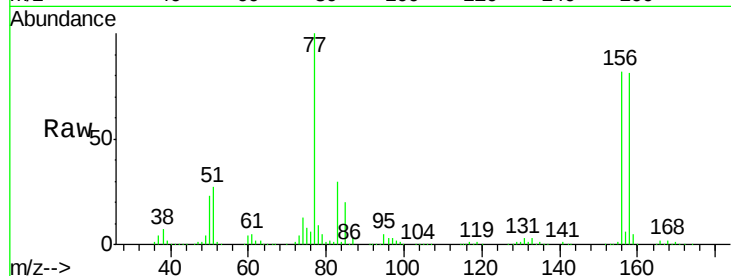
Tot Ion:156 Resp: 203876

Ion Ratio Lower Upper

156 100

77 130.4 65.3 196.0

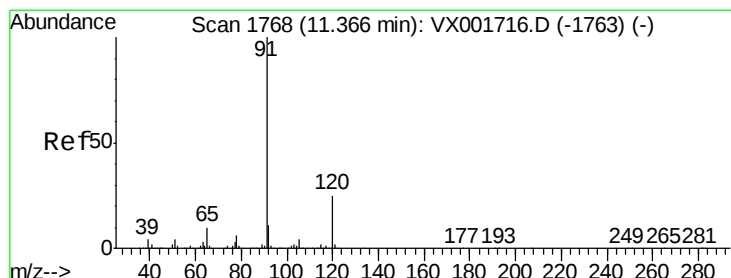
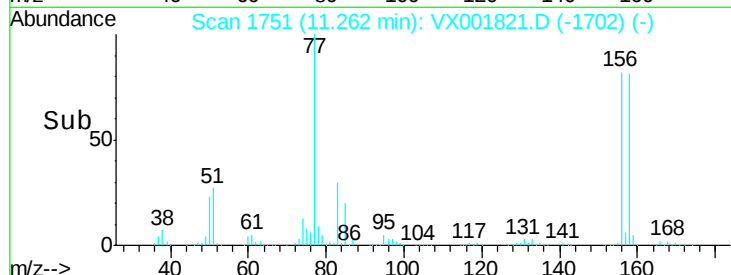
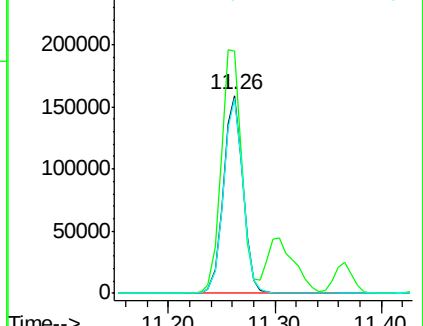
158 98.4 49.1 147.3



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: 53.38 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001821.D

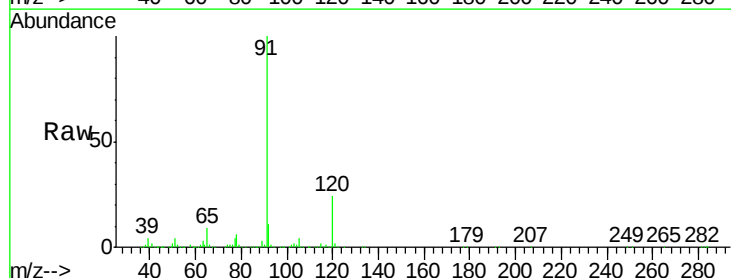
Acq: 18 May 2018 12:30

Tgt Ion: 91 Resp: 818290

Ion Ratio Lower Upper

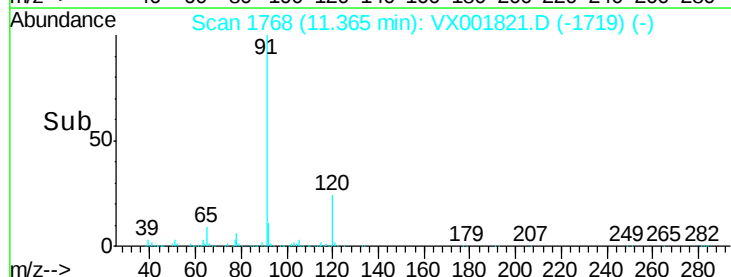
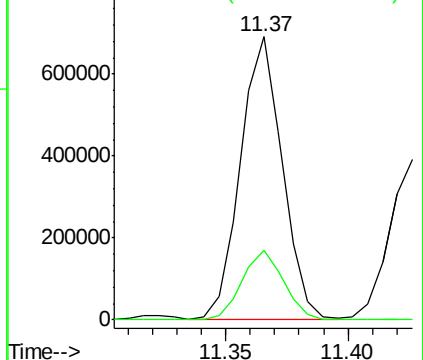
91 100

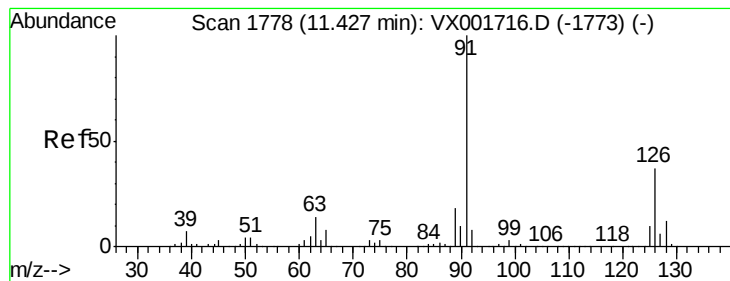
120 24.7 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.47 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Instrument :

MSVOA_X

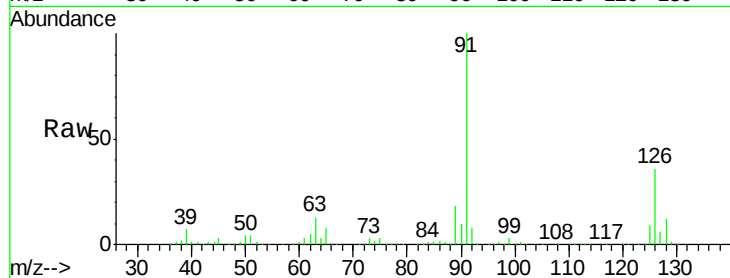
ClientSampleId :

Tot Ion: 91 Resp: 481042

Ion Ratio Lower Upper

91 100

126 37.2 18.4 55.4



Abundance Ion 91.00 (90.70 to 91.70): VX001716.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001716.D (-1773) (-)

800000

600000

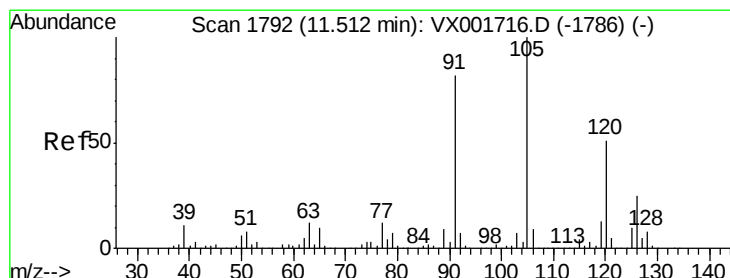
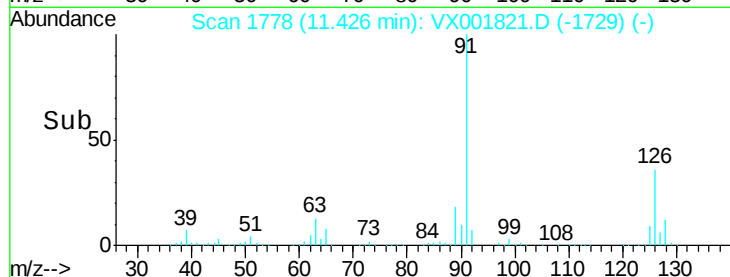
400000

200000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 55.01 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001821.D

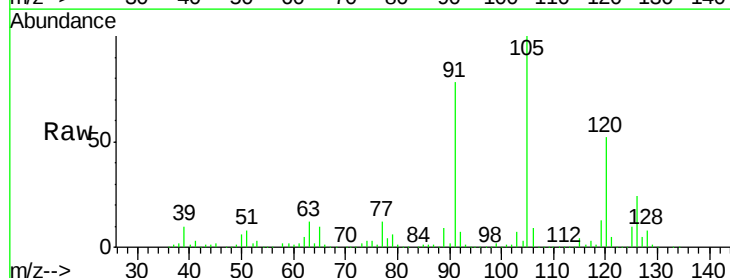
Acq: 18 May 2018 12:30

Tgt Ion: 105 Resp: 614020

Ion Ratio Lower Upper

105 100

120 51.3 25.7 77.0



Abundance Ion 105.00 (104.70 to 105.70): VX001716.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001716.D (-1786) (-)

600000

500000

400000

300000

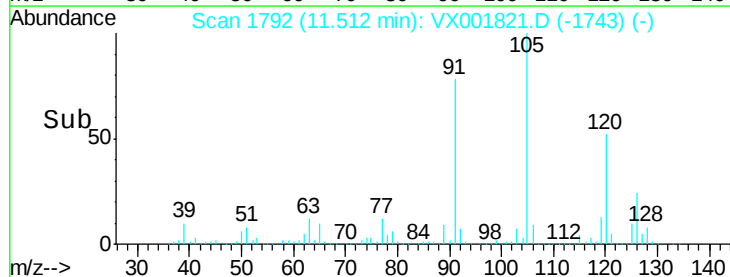
200000

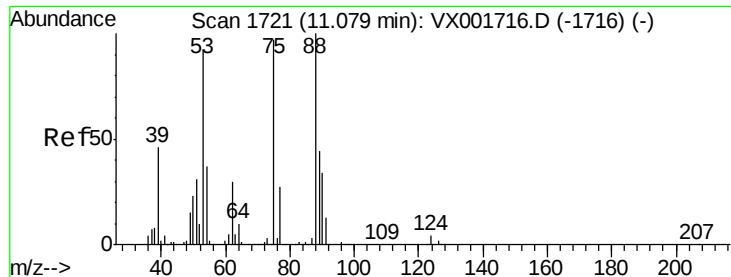
100000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 45.96 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

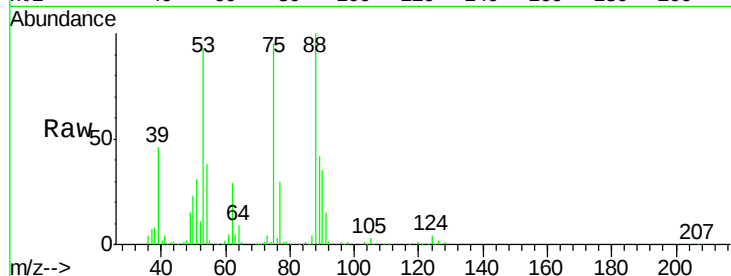
Tot Ion: 75 Resp: 60222

Ion Ratio Lower Upper

75 100

53 98.0 79.4 119.2

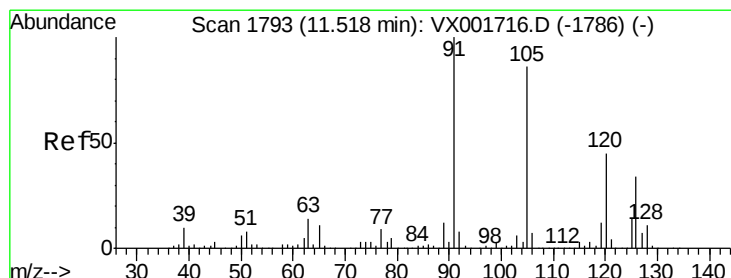
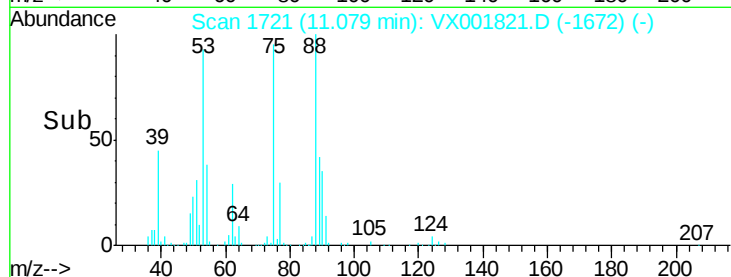
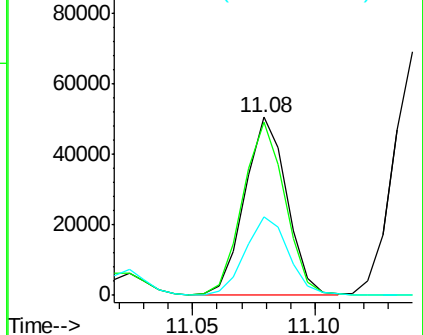
89 46.1 38.8 58.2



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: 51.56 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX001821.D

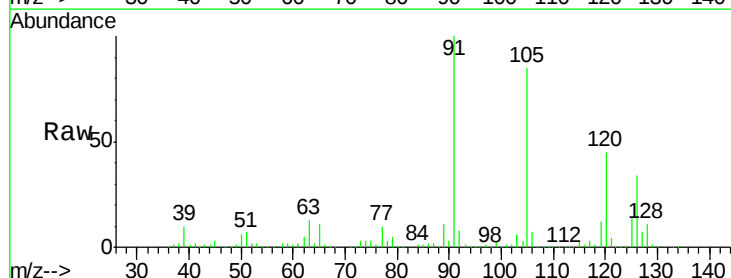
Acq: 18 May 2018 12:30

Tgt Ion: 91 Resp: 556905

Ion Ratio Lower Upper

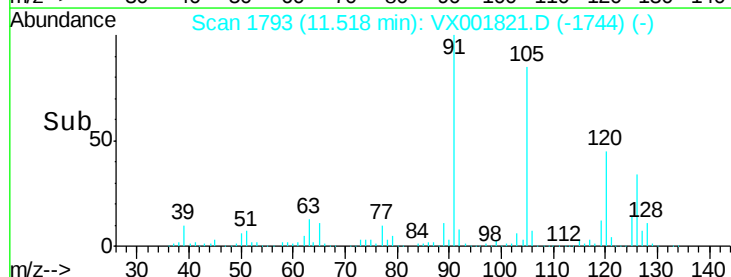
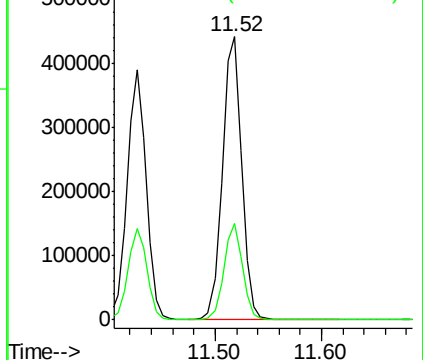
91 100

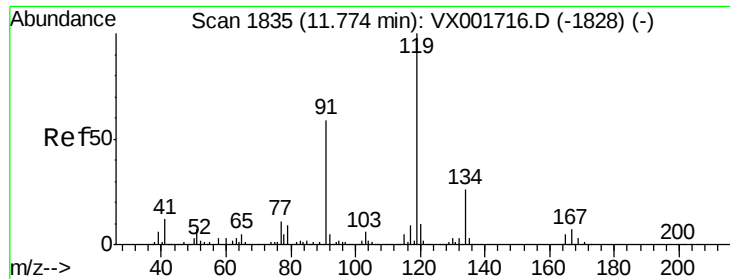
126 32.6 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

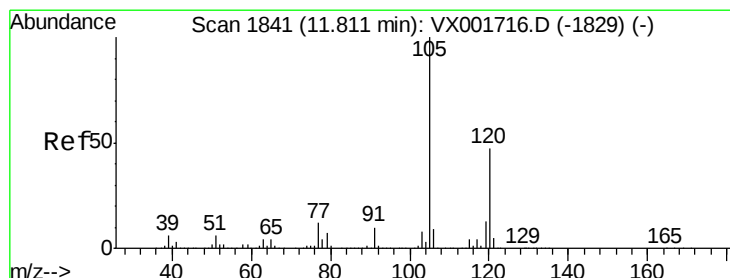
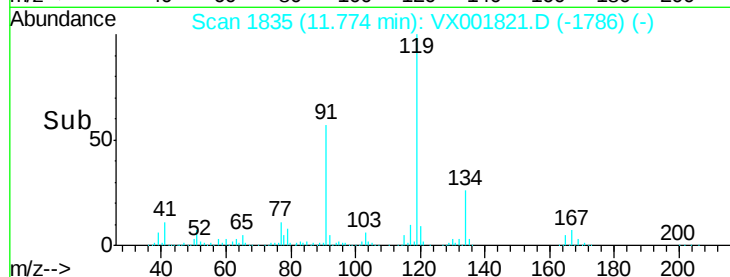
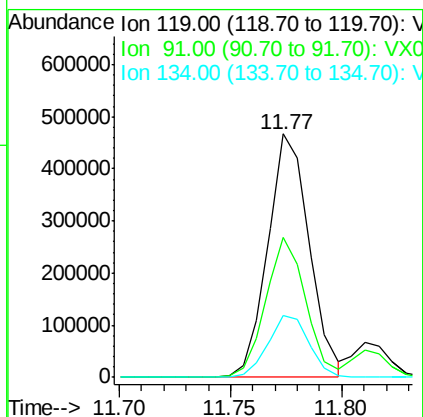
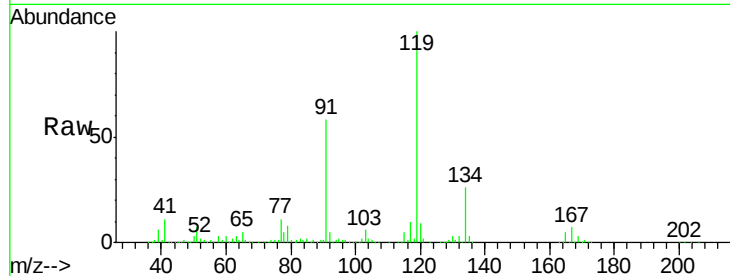




#83
 tert-Butylbenzene
 Concen: 54.31 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX001821.D
 Acq: 18 May 2018 12:30

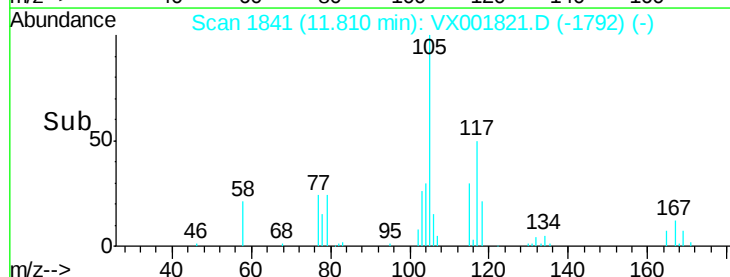
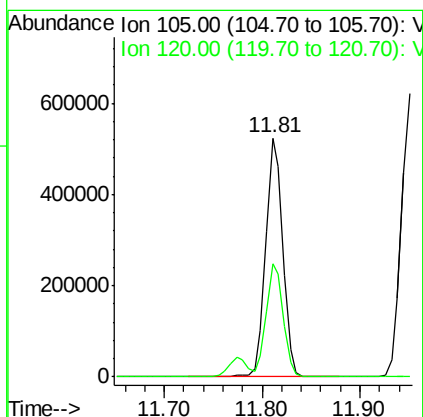
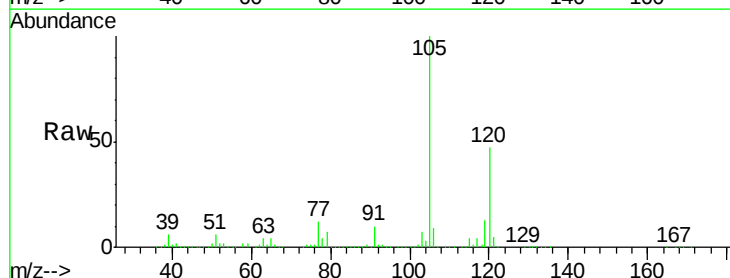
Instrument :
 MSVOA_X
 ClientSampleId :

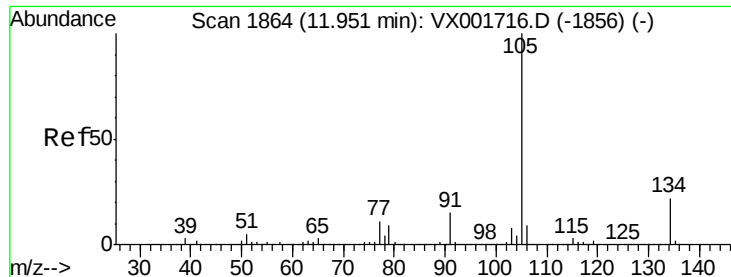
Tot Ion:119 Resp: 603338
 Ion Ratio Lower Upper
 119 100
 91 55.2 27.7 83.0
 134 25.5 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 54.89 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001821.D
 Acq: 18 May 2018 12:30

Tgt Ion:105 Resp: 634539
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.5 70.5





#85

sec-Butylbenzene

Concen: 54.63 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Instrument :

MSVOA_X

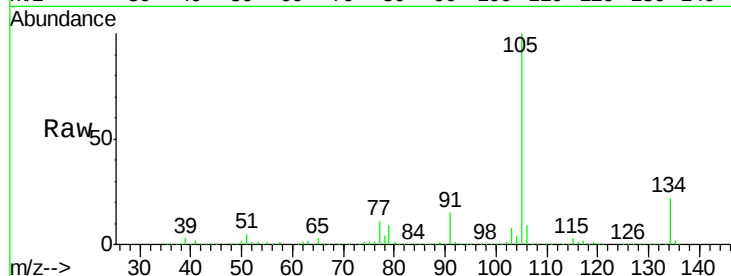
ClientSampleId :

Tot Ion:105 Resp: 749112

Ion Ratio Lower Upper

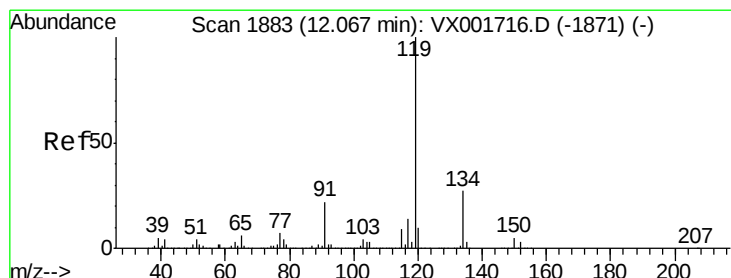
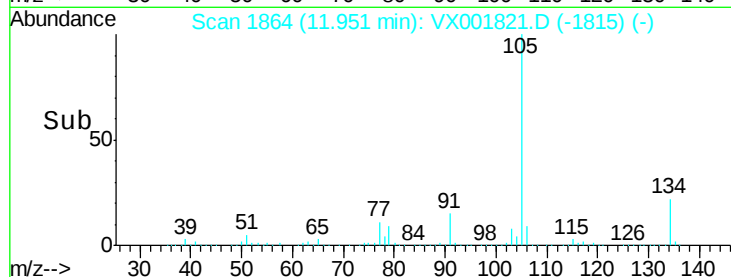
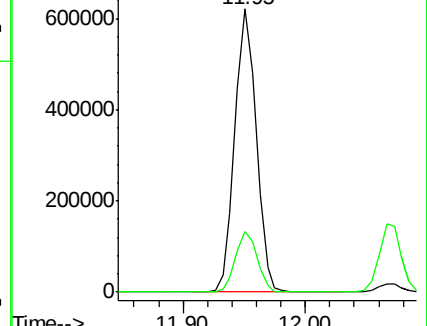
105 100

134 21.7 10.9 32.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.77 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

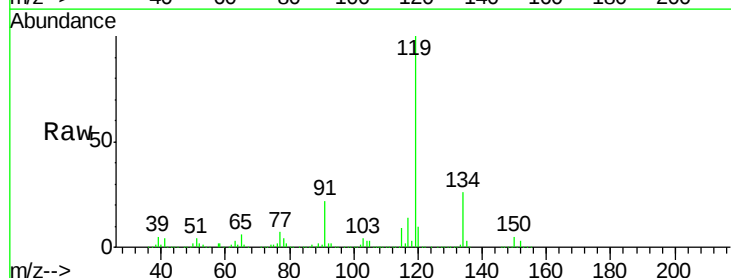
Tgt Ion:119 Resp: 694892

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

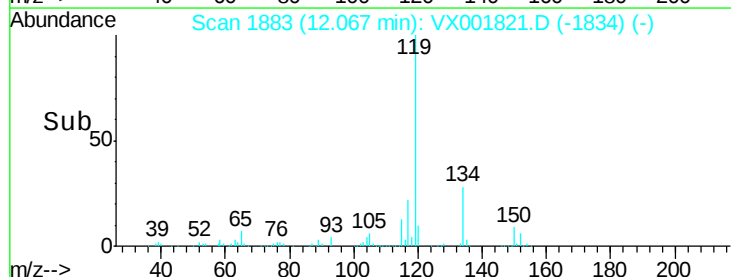
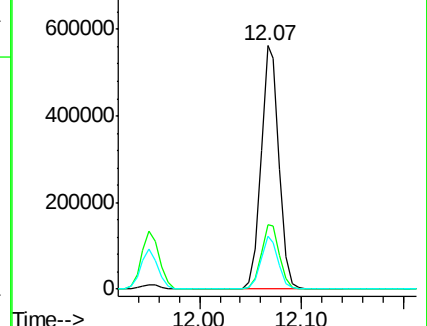
91 21.1 10.7 32.1

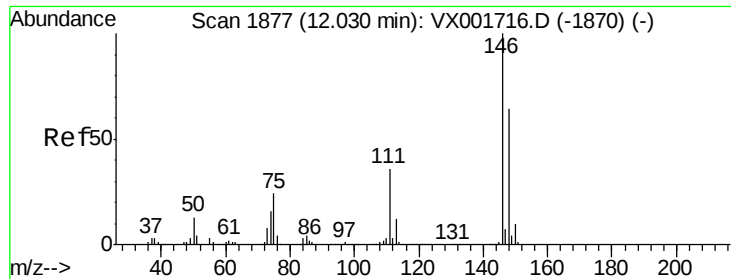


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.60 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

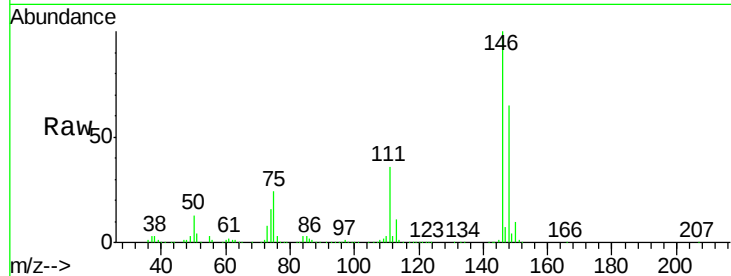
Tot Ion:146 Resp: 374157

Ion Ratio Lower Upper

146 100

111 35.6 17.8 53.4

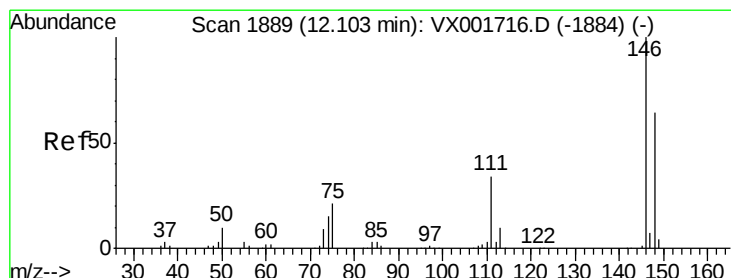
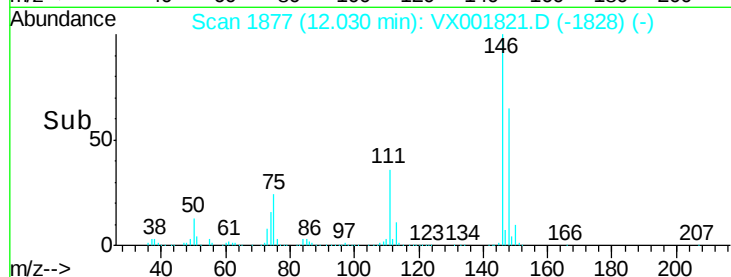
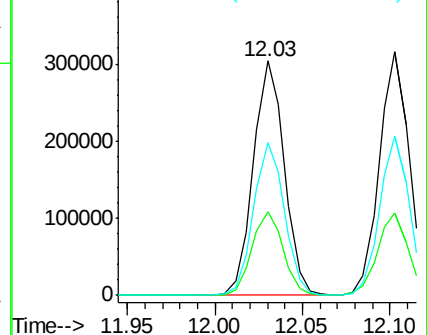
148 64.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.06 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

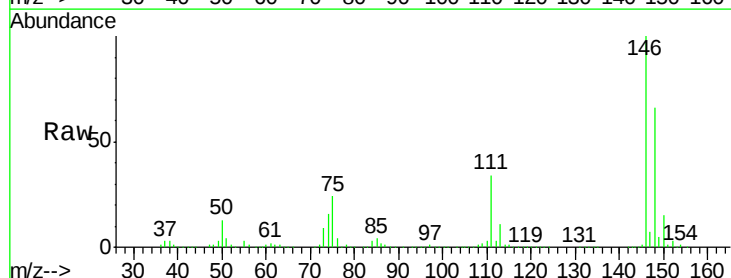
Tgt Ion:146 Resp: 375079

Ion Ratio Lower Upper

146 100

111 34.4 17.3 52.0

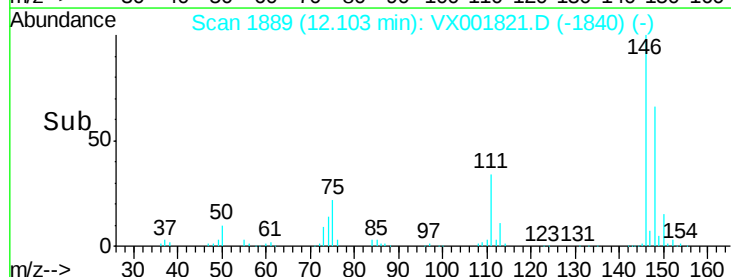
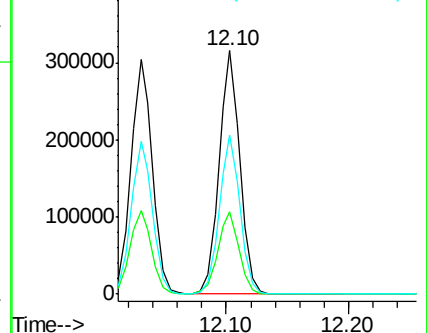
148 64.8 32.3 96.9

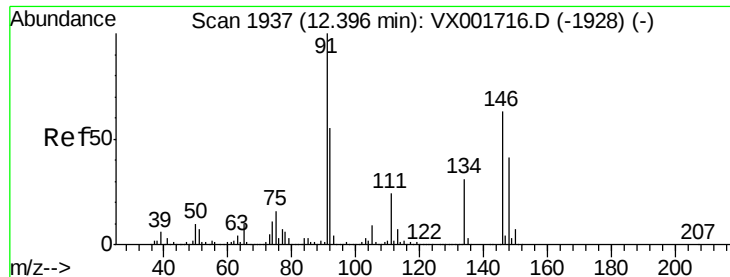


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

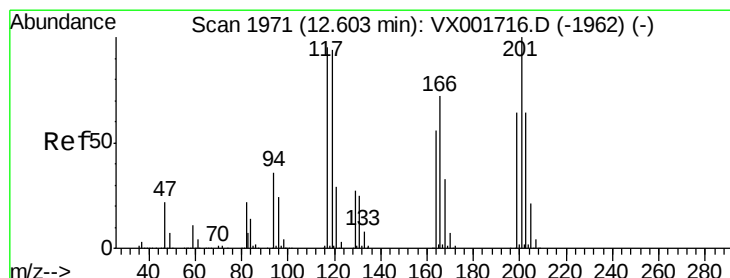
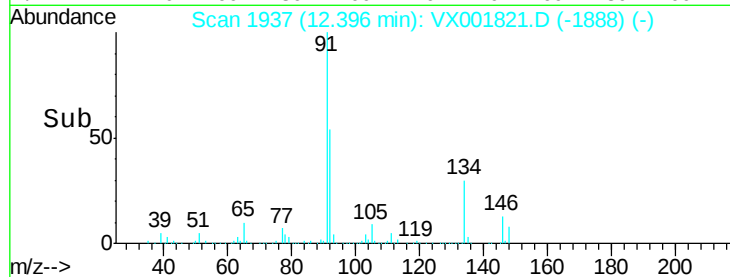
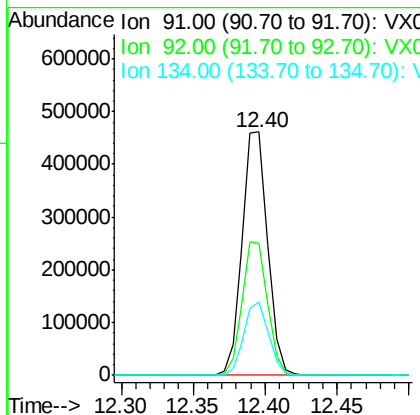
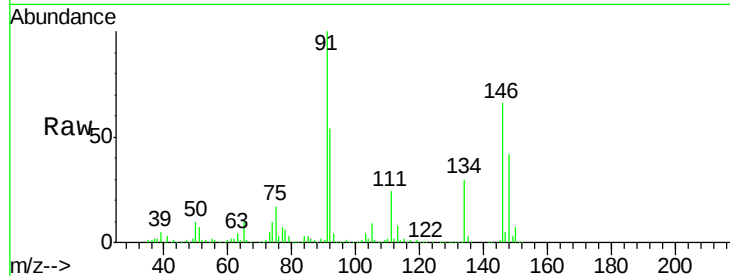




#89
n-Butylbenzene
Concen: 51.57 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

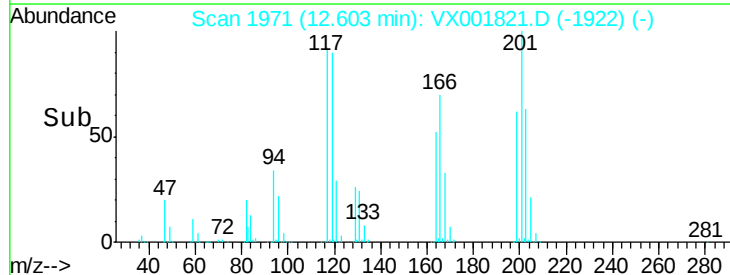
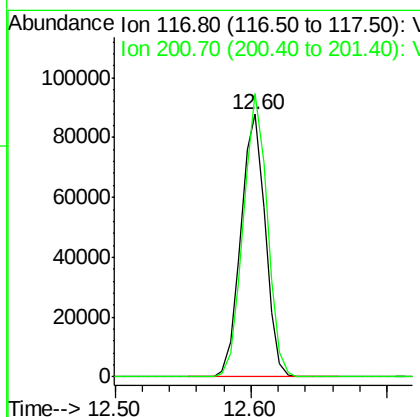
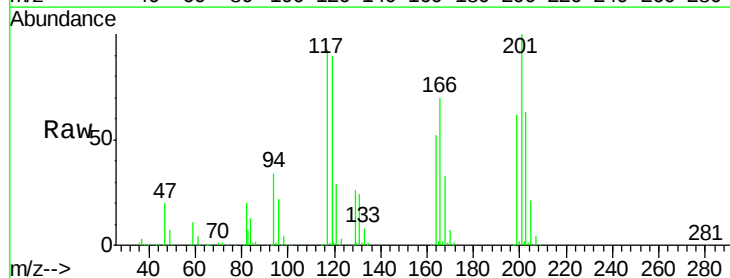
Instrument :
MSVOA_X
ClientSampleId :

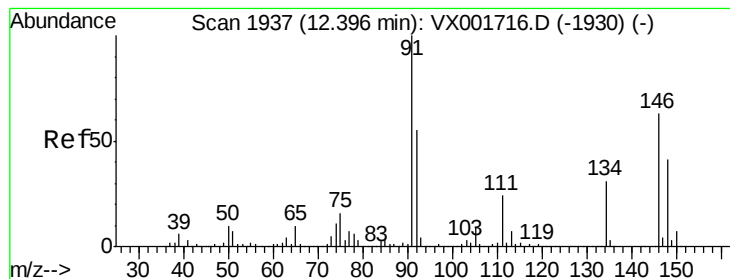
Tot Ion: 91 Resp: 565963
Ion Ratio Lower Upper
91 100
92 54.5 27.3 81.9
134 29.4 14.7 44.1



#90
Hexachloroethane
Concen: 55.68 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

Tgt Ion: 117 Resp: 109721
Ion Ratio Lower Upper
117 100
201 106.2 51.9 155.7





#91

1,2-Dichlorobenzene

Concen: 51.07 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

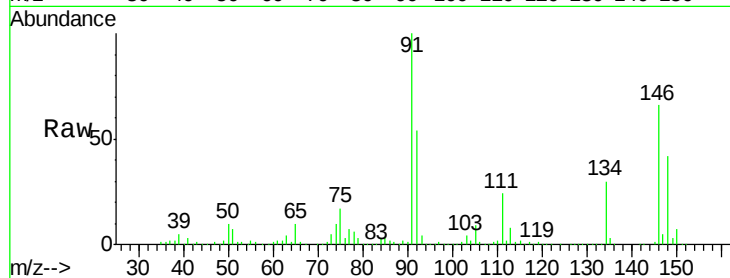
Tot Ion:146 Resp: 376226

Ion Ratio Lower Upper

146 100

111 36.9 18.6 56.0

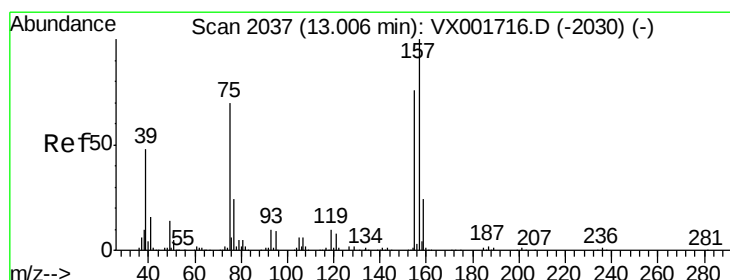
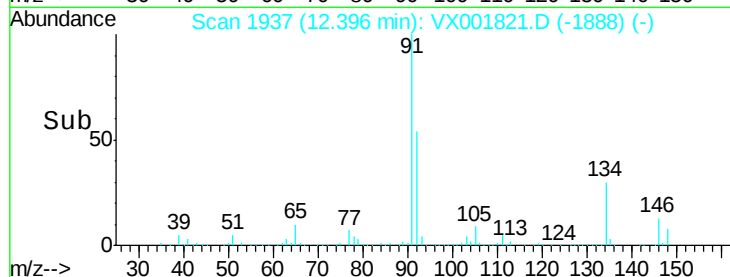
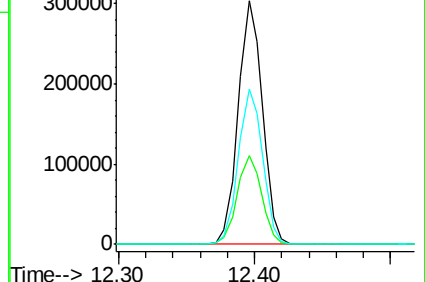
148 64.1 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.68 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX001821.D

Acq: 18 May 2018 12:30

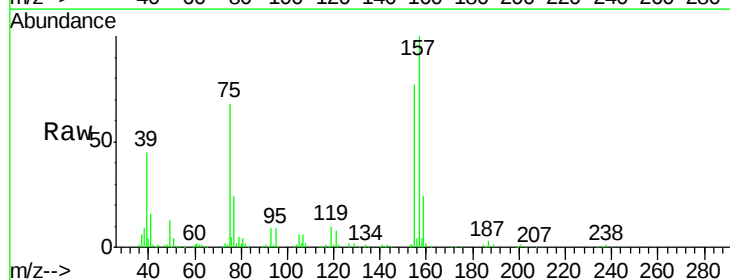
Tgt Ion: 75 Resp: 45893

Ion Ratio Lower Upper

75 100

155 111.5 53.9 161.8

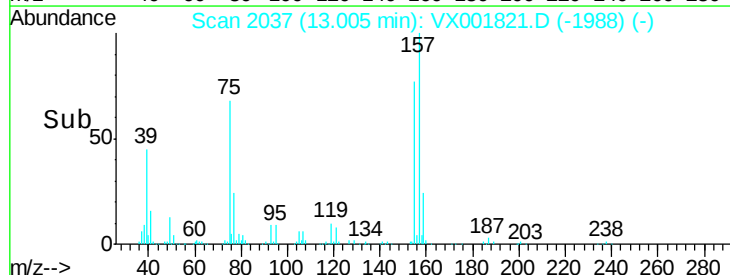
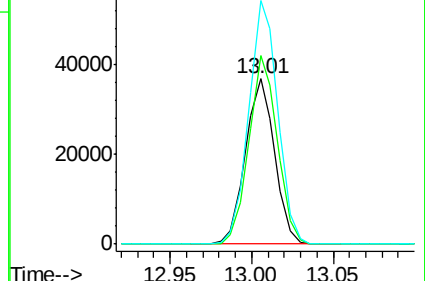
157 147.0 71.0 213.2

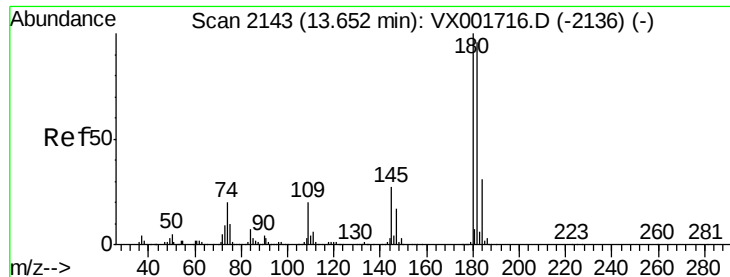


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

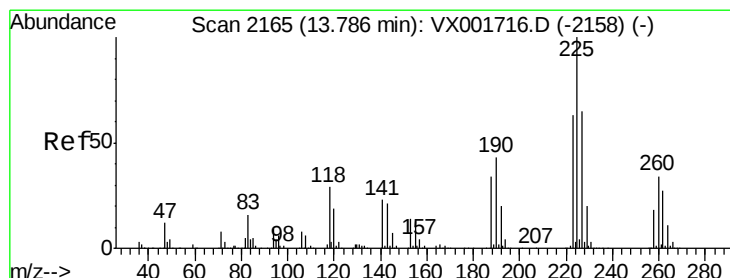
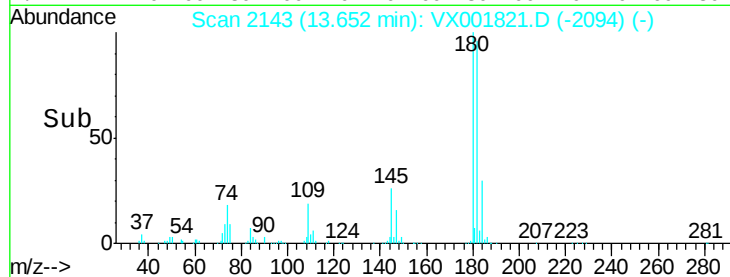
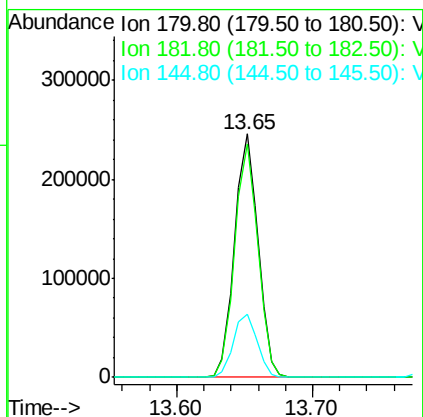
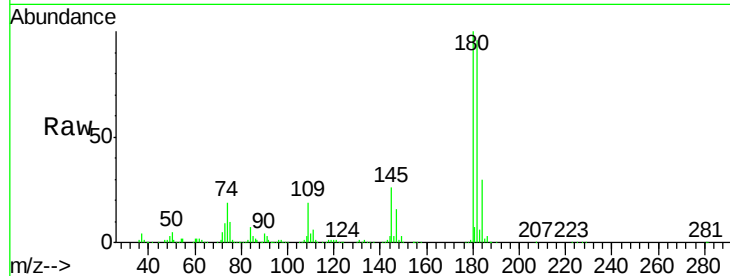




#93
 1,2,4-Trichlorobenzene
 Concen: 50.25 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001821.D
 Acq: 18 May 2018 12:30

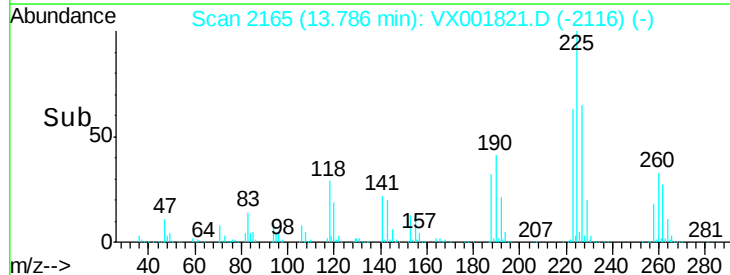
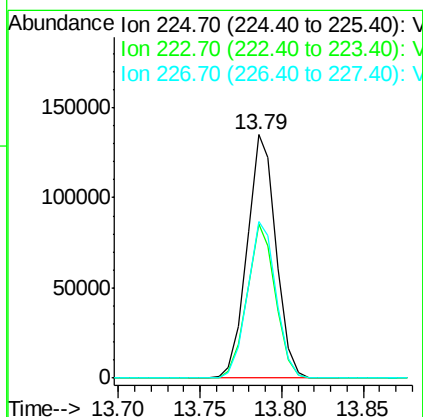
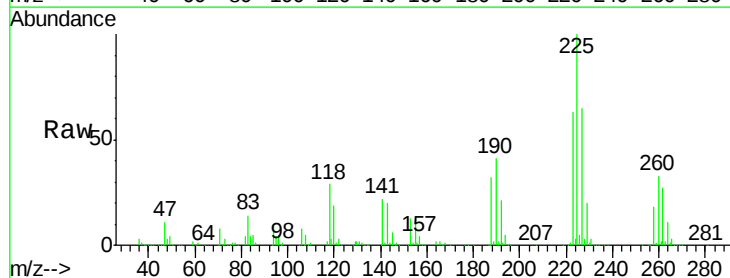
Instrument :
 MSVOA_X
 ClientSampleId :

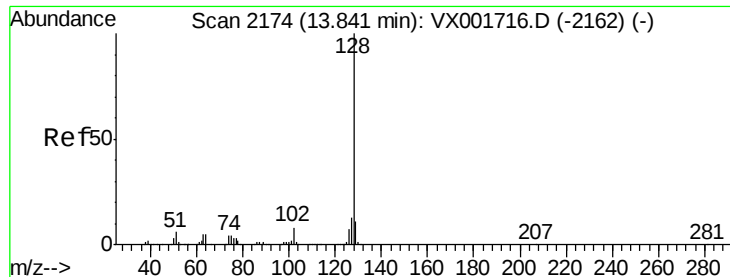
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.9
145	26.6	13.4	40.1



#94
 Hexachlorobutadiene
 Concen: 52.73 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001821.D
 Acq: 18 May 2018 12:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.1	93.5
227	64.1	31.9	95.5

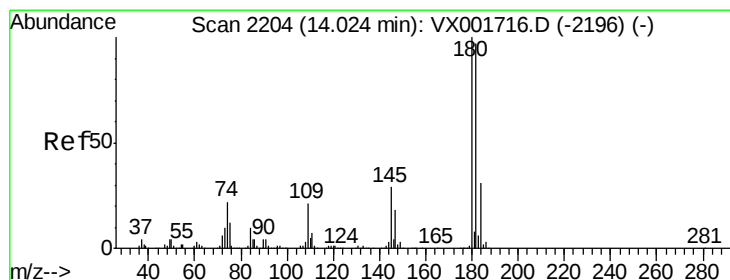
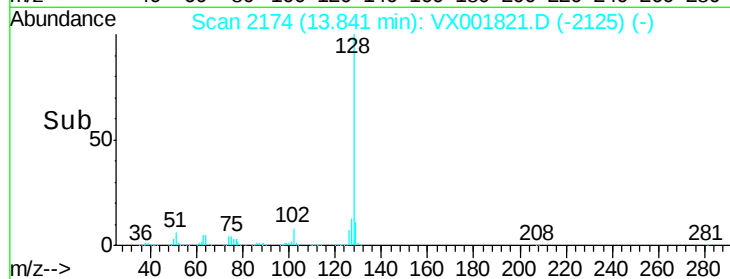
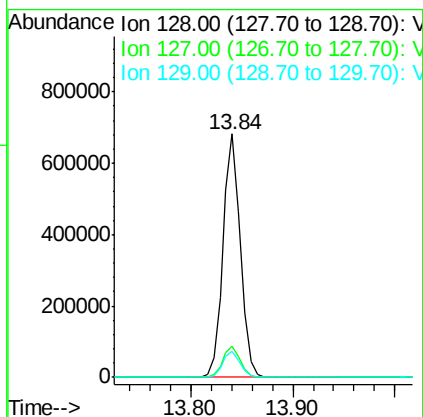
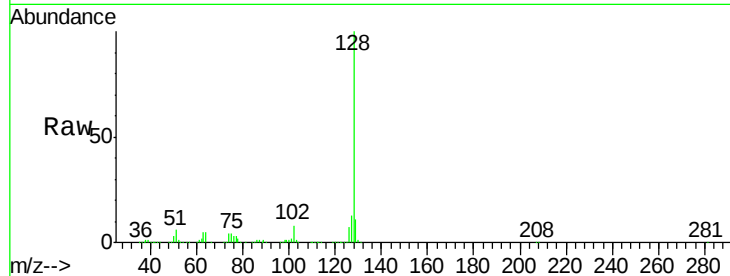




#95
Naphthalene
Concen: 52.53 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 801807
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 11.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 51.07 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX001821.D
Acq: 18 May 2018 12:30

Tgt Ion:180 Resp: 302021
Ion Ratio Lower Upper
180 100
182 96.5 47.9 143.7
145 28.3 14.2 42.8

