

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053118\
 Data File : VX002190.D
 Acq On : 31 May 2018 21:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 01 03:27:23 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	220553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	311640	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	299117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	203988	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	164593	41.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.50%	
35) Dibromofluoromethane	5.51	113	127797	41.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.02%	
50) Toluene-d8	8.72	98	476995	42.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.56%	
62) 4-Bromofluorobenzene	11.14	95	192794	43.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	113192	40.63	ug/l	98
3) Chloromethane	1.32	50	146689	43.23	ug/l	99
4) Vinyl Chloride	1.41	62	160221	48.90	ug/l	100
5) Bromomethane	1.64	94	88053	58.55	ug/l	97
6) Chloroethane	1.72	64	104266	53.98	ug/l	100
7) Trichlorofluoromethane	1.93	101	261559	53.16	ug/l	100
8) Diethyl Ether	2.19	74	99067	55.49	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	147003	53.54	ug/l	97
10) Methyl Iodide	2.51	142	173732	46.76	ug/l	97
11) Tert butyl alcohol	3.08	59	219319	283.41	ug/l	98
12) 1,1-Dichloroethene	2.37	96	133294	51.85	ug/l	93
13) Acrolein	2.30	56	66154	197.72	ug/l	98
14) Allyl chloride	2.73	41	287468	53.27	ug/l	97
15) Acrylonitrile	3.15	53	446115	280.34	ug/l	99
16) Acetone	2.45	43	419952	276.01	ug/l	100
17) Carbon Disulfide	2.57	76	321107	43.40	ug/l	99
18) Methyl Acetate	2.78	43	225070	61.67	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	529820	54.80	ug/l	100
20) Methylene Chloride	2.86	84	156921	59.90	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	143344	57.51	ug/l	98
22) Diisopropyl ether	3.88	45	527280	48.04	ug/l	99
23) Vinyl Acetate	3.83	43	2268859	249.31	ug/l	99
24) 1,1-Dichloroethane	3.70	63	258265	49.53	ug/l	100
25) 2-Butanone	4.71	43	622110	223.09	ug/l	100
26) 2,2-Dichloropropane	4.59	77	192304	36.44	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	153155	45.69	ug/l	97
28) Bromochloromethane	5.03	49	132828	61.08	ug/l	100
29) Tetrahydrofuran	5.17	42	410804	226.42	ug/l	100
30) Chloroform	5.22	83	272984	46.47	ug/l	98
31) Cyclohexane	5.58	56	241150	44.39	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	242982	44.37	ug/l	98
36) 1,1-Dichloropropene	5.81	75	196740	45.39	ug/l	99
37) Ethyl Acetate	4.87	43	243977	43.17	ug/l	99
38) Carbon Tetrachloride	5.79	117	211726	41.89	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	241532	45.35	ug/l	98
40) Benzene	6.15	78	597383	47.04	ug/l	99
41) Methacrylonitrile	5.07	41	139915	46.83	ug/l	99
42) 1,2-Dichloroethane	6.20	62	236032	46.53	ug/l	99
43) Isopropyl Acetate	6.47	43	415798	44.16	ug/l	99
44) Trichloroethene	7.22	130	168833	45.62	ug/l	99
45) 1,2-Dichloropropane	7.52	63	157987	45.81	ug/l	99
46) Dibromomethane	7.67	93	105006	45.99	ug/l	98
47) Bromodichloromethane	7.90	83	201267	41.34	ug/l	99
48) Methyl methacrylate	7.78	41	212170	44.27	ug/l	98
49) 1,4-Dioxane	7.76	88	80706	955.63	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1335450	235.27	ug/l	100
52) Toluene	8.79	92	388076	48.02	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	240412	42.87	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	229683	42.03	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	158987	47.09	ug/l	98
56) Ethyl methacrylate	9.19	69	259042	44.61	ug/l	98
57) 1,3-Dichloropropane	9.38	76	263942	47.45	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	574376	223.15	ug/l	100
59) 2-Hexanone	9.50	43	1027184	234.69	ug/l	99
60) Dibromochloromethane	9.59	129	166909	41.74	ug/l	99
61) 1,2-Dibromoethane	9.68	107	167497	47.28	ug/l	100
64) Tetrachloroethene	9.34	164	196984	45.93	ug/l	99
65) Chlorobenzene	10.14	112	438803	46.30	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	165691	43.30	ug/l	99
67) Ethyl Benzene	10.26	91	773992	47.01	ug/l	100
68) m/p-Xylenes	10.37	106	598059	95.02	ug/l	98
69) o-Xylene	10.70	106	293042	46.63	ug/l	100
70) Styrene	10.72	104	489767	46.99	ug/l	100
71) Bromoform	10.86	173	130975	36.10	ug/l #	99
73) Isopropylbenzene	11.02	105	796188	46.09	ug/l	99
74) N-amyl acetate	6.47	43	415798	46.16	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	236288	50.01	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	290572	59.30	ug/l	78
77) Bromobenzene	11.26	156	211985	46.25	ug/l	97
78) n-propylbenzene	11.37	91	906029	46.83	ug/l	99
79) 2-Chlorotoluene	11.43	91	539355	50.86	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	680826	46.12	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	69291	33.99	ug/l	90
82) 4-Chlorotoluene	11.51	91	631893	46.31	ug/l	100
83) tert-Butylbenzene	11.77	119	654690	45.19	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	700593	45.93	ug/l	100
85) sec-Butylbenzene	11.95	105	806487	46.31	ug/l	99
86) p-Isopropyltoluene	12.07	119	732817	47.03	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	380957	46.41	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	385076	46.93	ug/l	100
89) n-Butylbenzene	12.39	91	624802	47.32	ug/l	100
90) Hexachloroethane	12.60	117	111841	36.39	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	390425	46.69	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	57231	37.26	ug/l	100

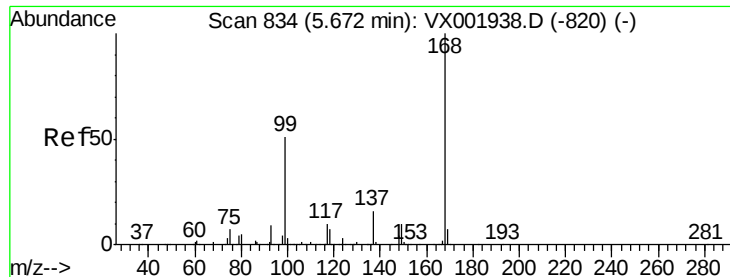
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	277898	46.47	ug/l	100
94) Hexachlorobutadiene	13.79	225	144458	44.91	ug/l	100
95) Naphthalene	13.84	128	844971	45.86	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	286590	46.32	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

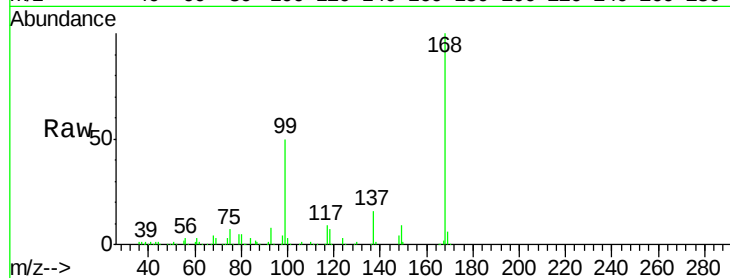
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 220553

Ion Ratio Lower Upper

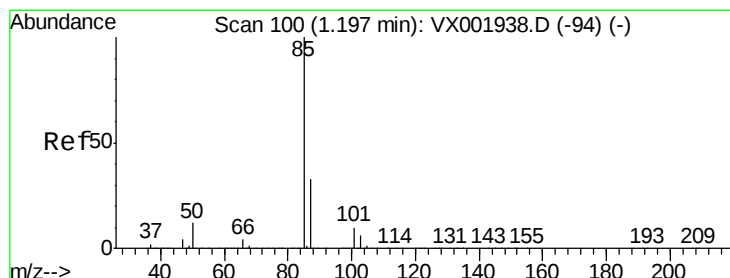
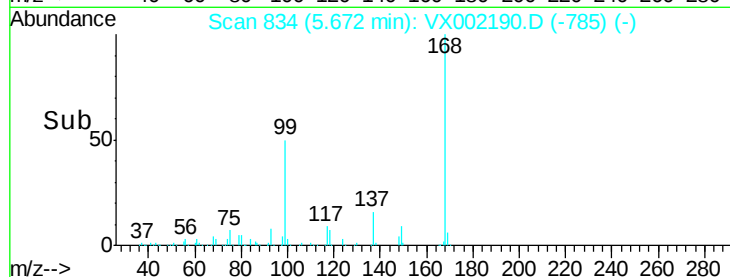
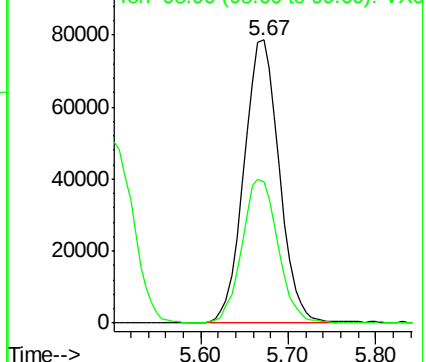
168 100

99 49.6 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 40.63 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002190.D

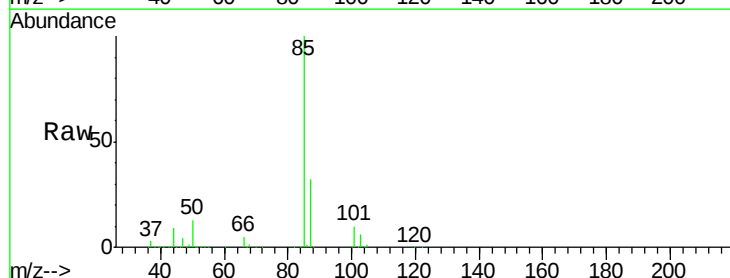
Acq: 31 May 2018 21:43

Tgt Ion: 85 Resp: 113192

Ion Ratio Lower Upper

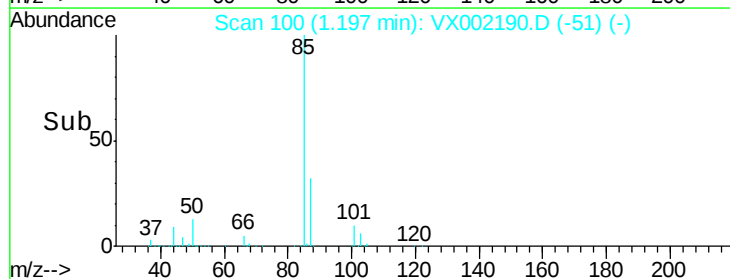
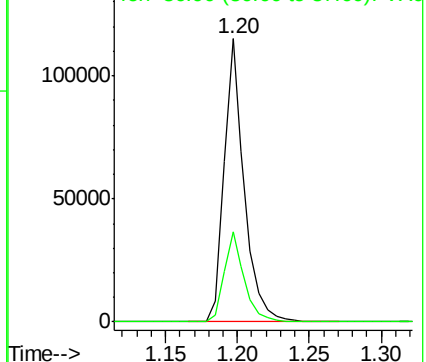
85 100

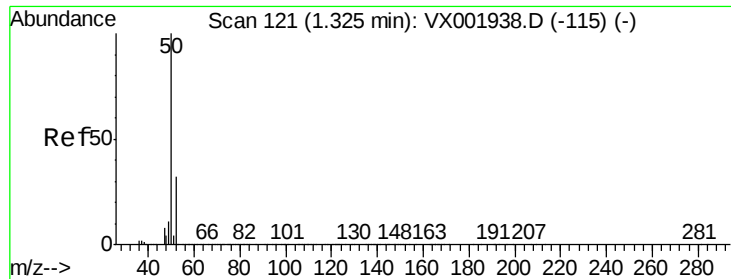
87 31.9 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 43.23 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

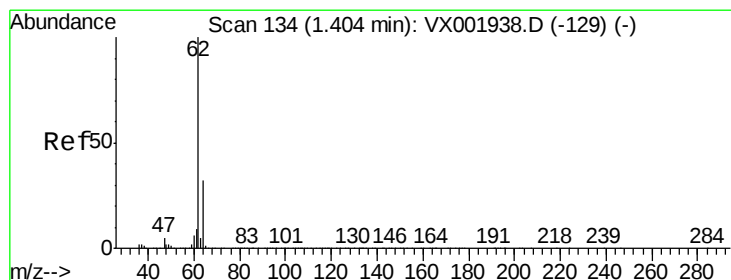
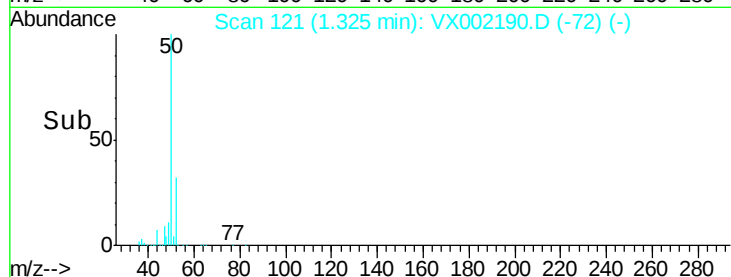
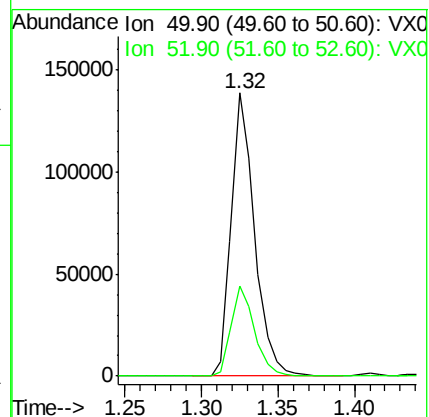
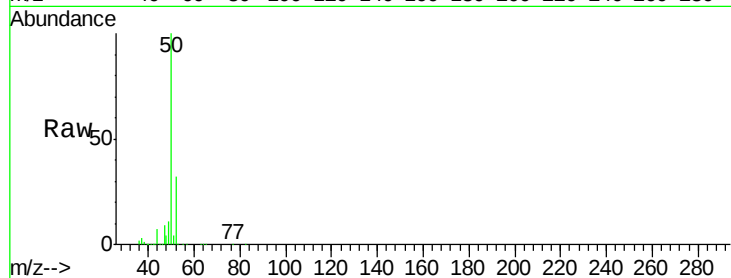
ClientSampled :

Tot Ion: 50 Resp: 146689

Ion Ratio Lower Upper

50 100

52 31.7 26.0 39.0



#4

Vinyl Chloride

Concen: 48.90 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002190.D

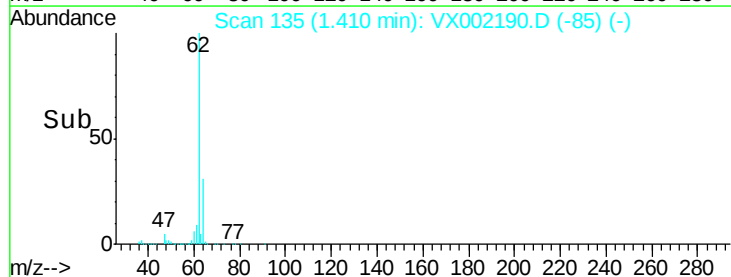
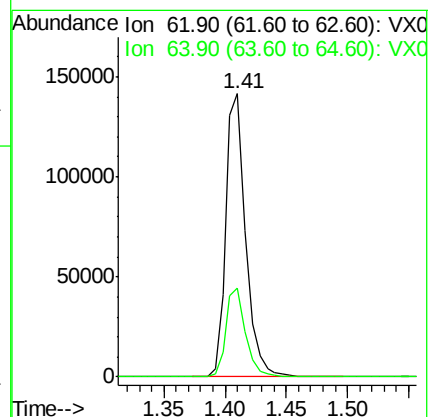
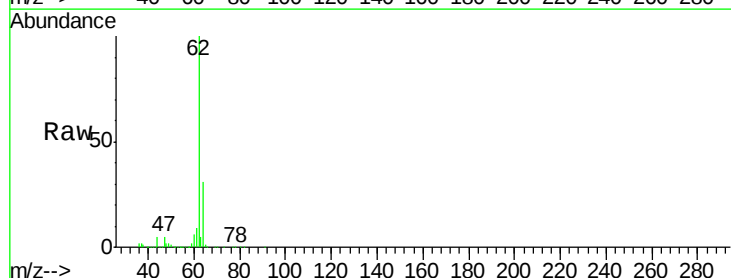
Acq: 31 May 2018 21:43

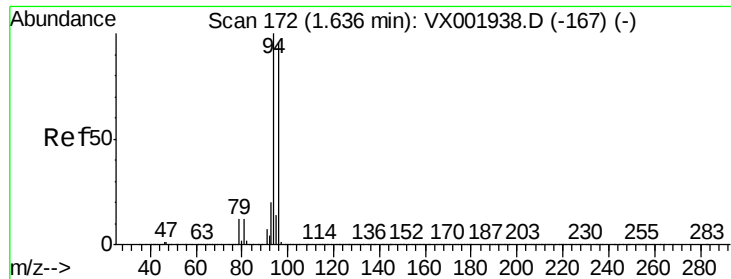
Tgt Ion: 62 Resp: 160221

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.0





#5

Bromomethane

Concen: 58.55 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

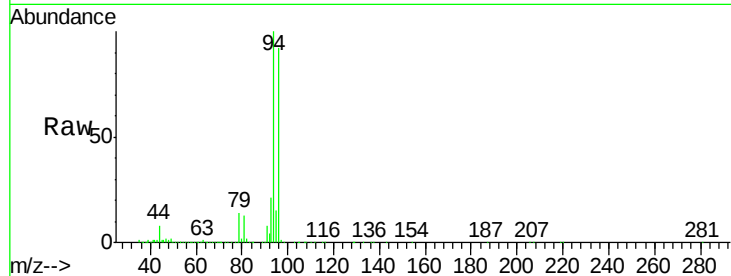
ClientSampleId :

Tot Ion: 94 Resp: 88053

Ion Ratio Lower Upper

94 100

96 92.3 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

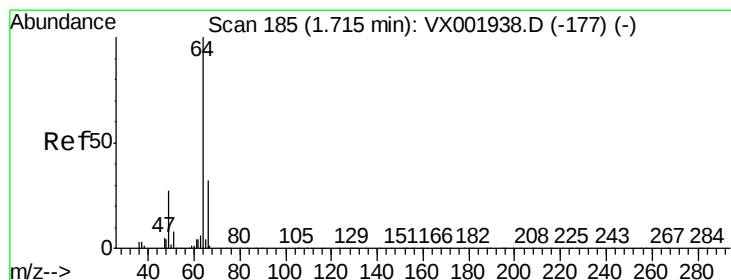
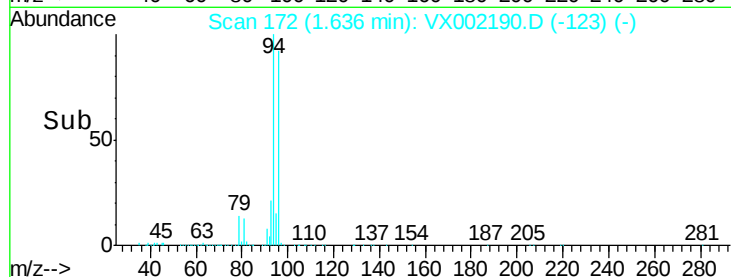
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 53.98 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX002190.D

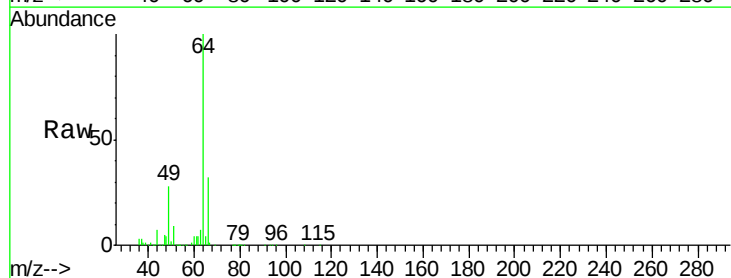
Acq: 31 May 2018 21:43

Tgt Ion: 64 Resp: 104266

Ion Ratio Lower Upper

64 100

66 32.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

80000

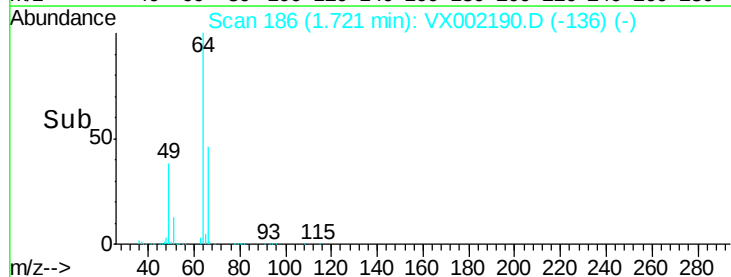
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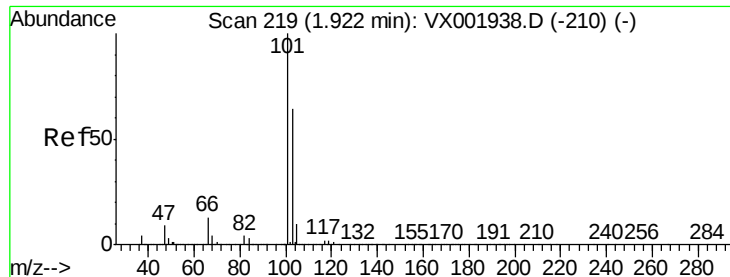
40000

20000

0

Time--> 1.65 1.70 1.75 1.80 1.85



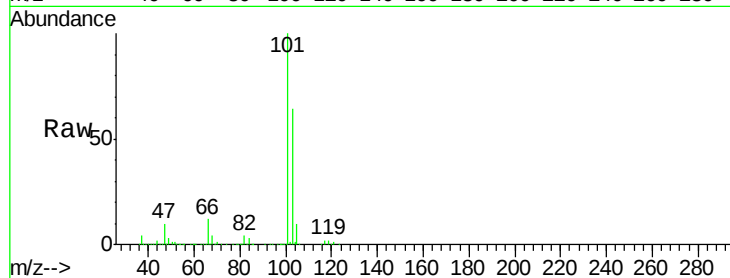


#7

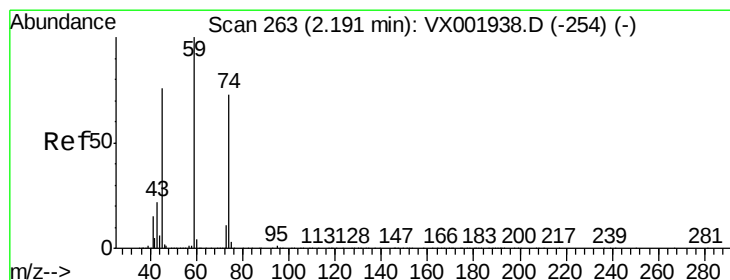
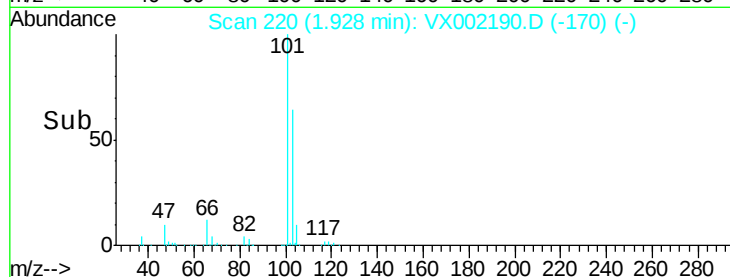
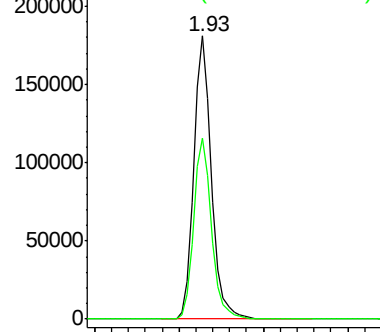
Trichlorofluoromethane
Concen: 53.16 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX002190.D
Acq: 31 May 2018 21:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:101 Resp: 261559
Ion Ratio Lower Upper
101 100
103 63.8 51.4 77.0



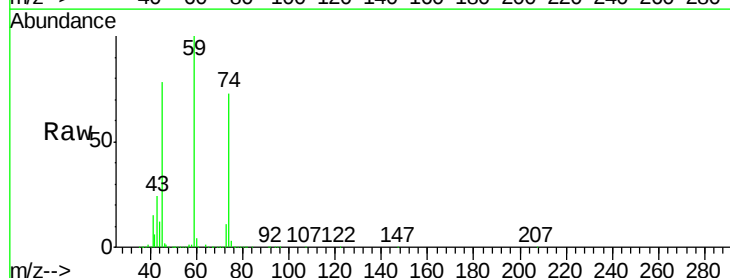
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



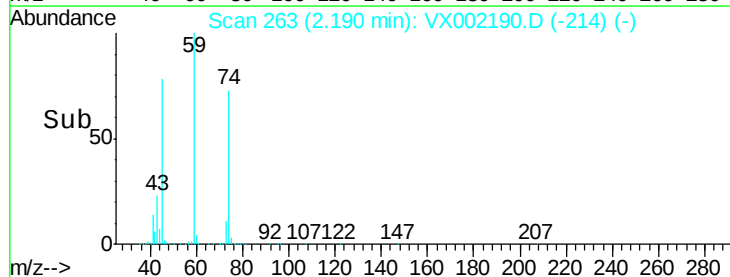
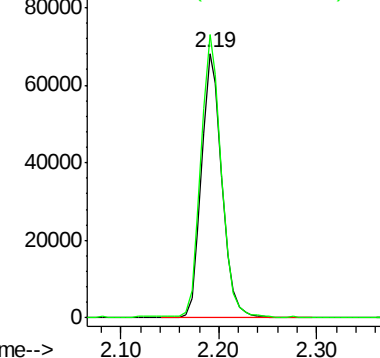
#8

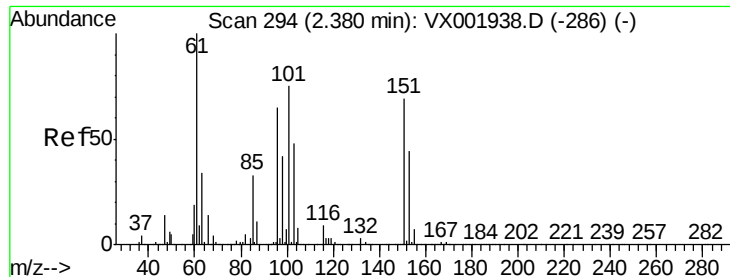
Diethyl Ether
Concen: 55.49 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002190.D
Acq: 31 May 2018 21:43

Tgt Ion: 74 Resp: 99067
Ion Ratio Lower Upper
74 100
45 105.9 51.5 154.7



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.54 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

ClientSampled :

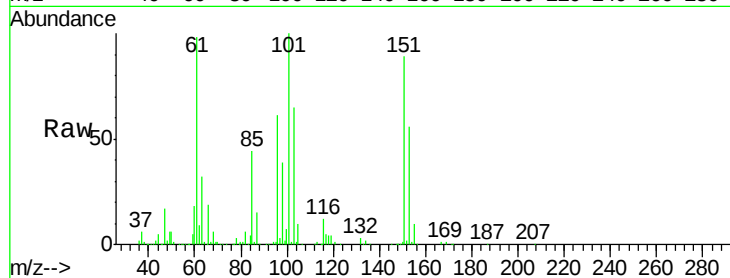
Tot Ion:101 Resp: 147003

Ion Ratio Lower Upper

101 100

85 45.3 35.6 53.4

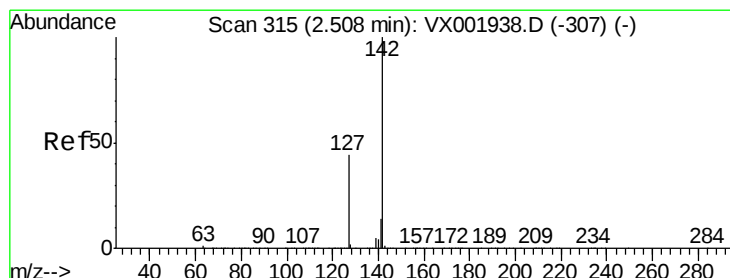
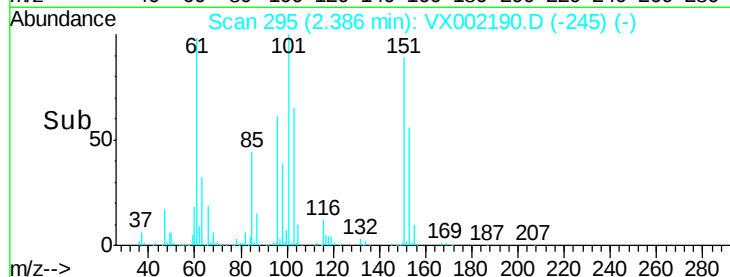
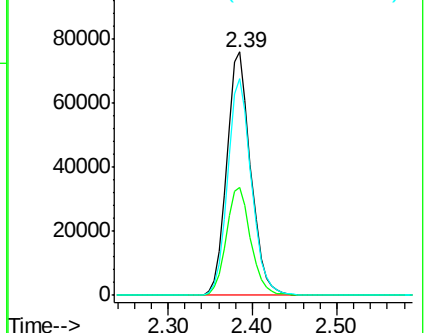
151 88.2 73.2 109.8



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: 46.76 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

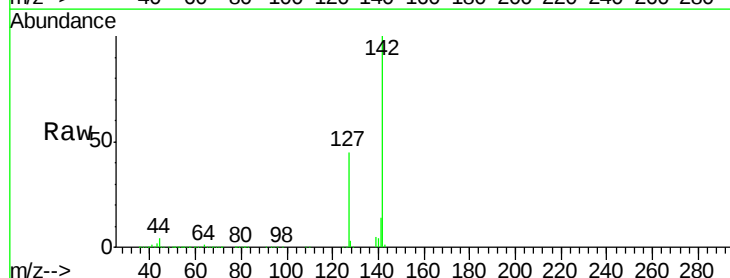
Tgt Ion:142 Resp: 173732

Ion Ratio Lower Upper

142 100

127 46.6 35.5 53.3

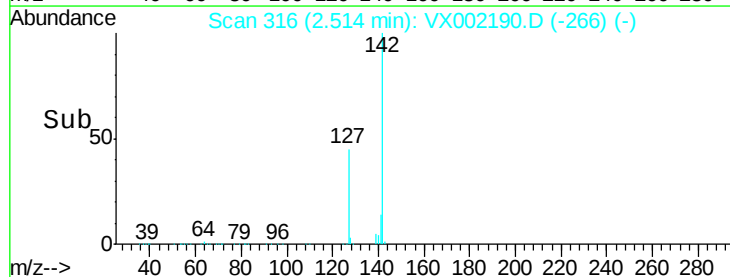
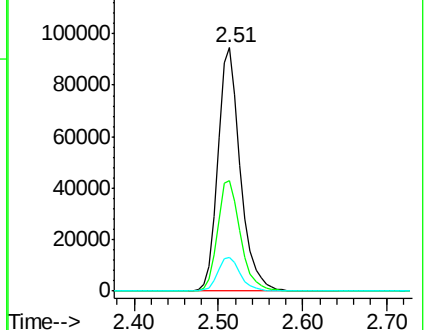
141 14.3 11.3 16.9

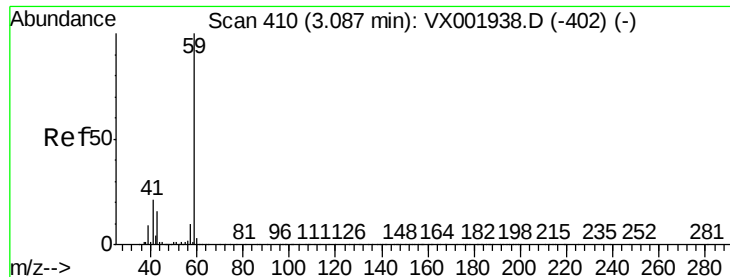


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



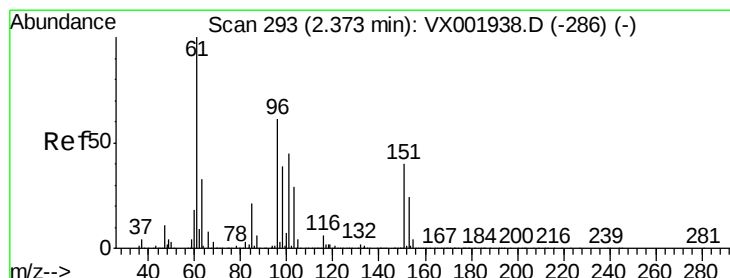
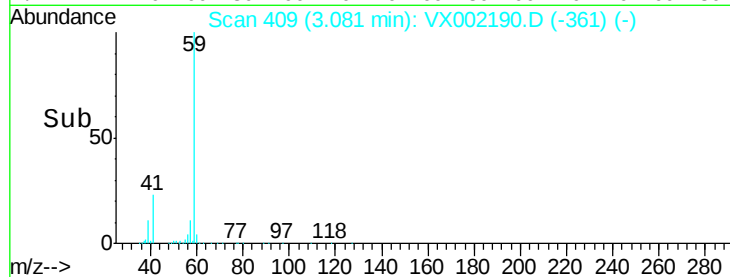
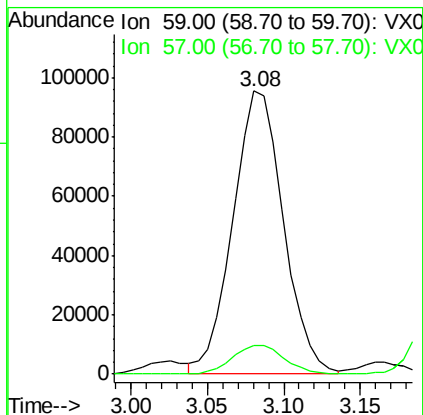
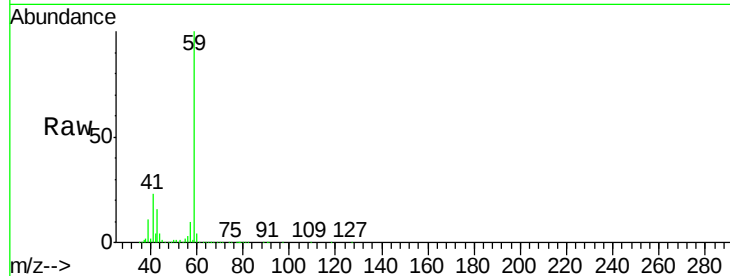


#11

Tert butyl alcohol
 Concen: 283.41 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX002190.D
 Acq: 31 May 2018 21:43

Instrument :
 MSVOA_X
 ClientSampled :

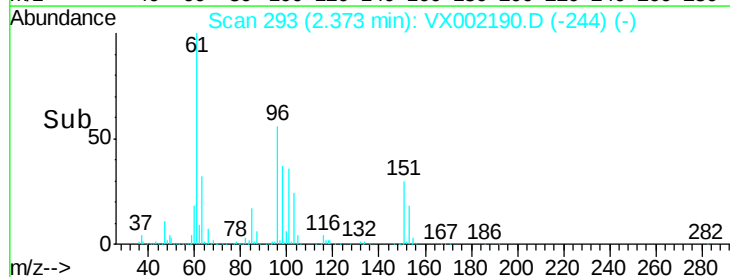
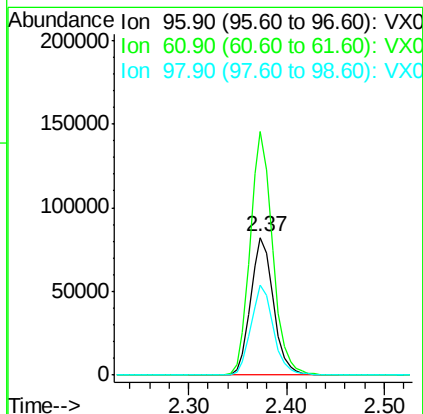
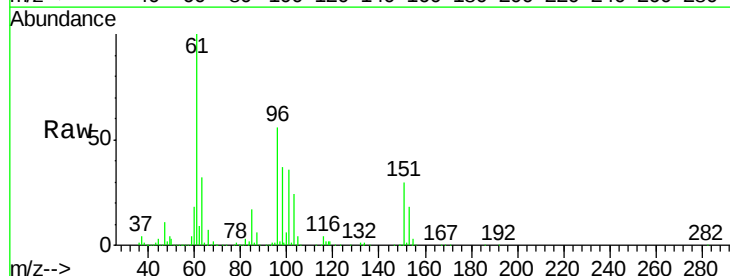
Tot Ion: 59 Resp: 219319
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.9 13.3

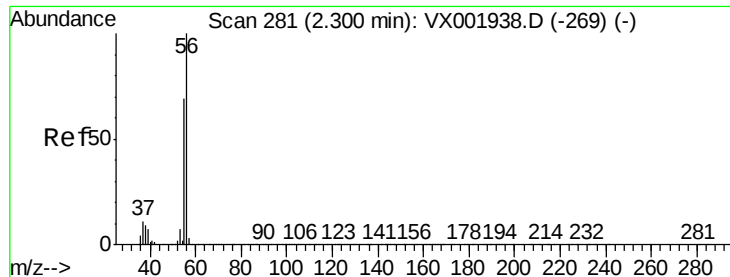


#12

1,1-Dichloroethene
 Concen: 51.85 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002190.D
 Acq: 31 May 2018 21:43

Tgt Ion: 96 Resp: 133294
 Ion Ratio Lower Upper
 96 100
 61 177.1 131.7 197.5
 98 65.1 51.6 77.4





#13

Acrolein

Concen: 197.72 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

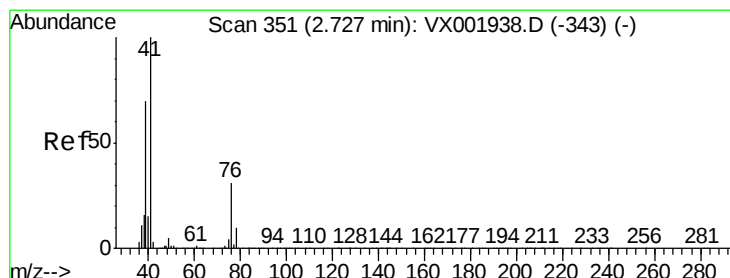
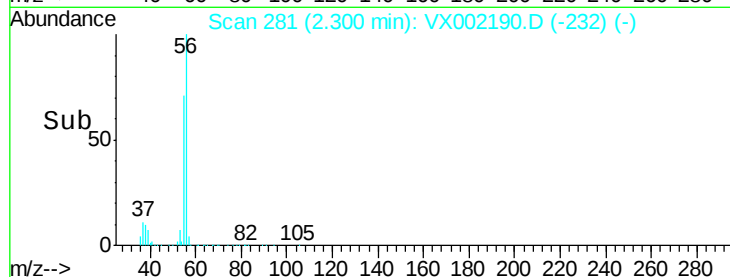
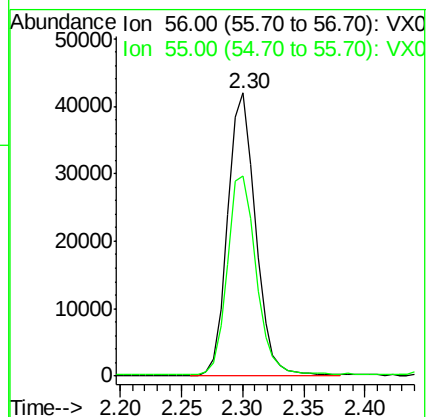
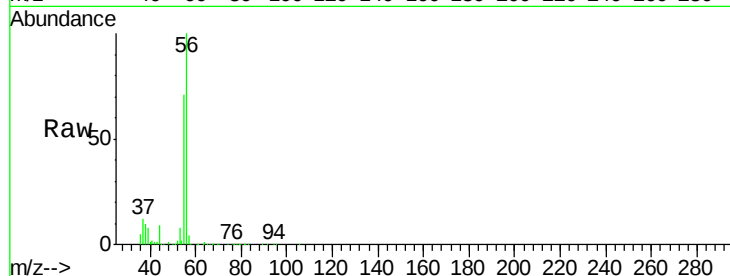
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 66154

Ion Ratio Lower Upper

56 100

55 72.7 56.8 85.2



#14

Allyl chloride

Concen: 53.27 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

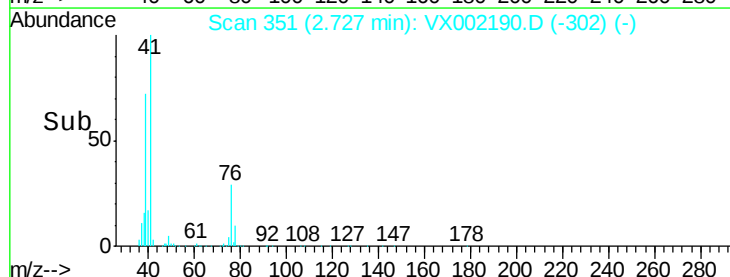
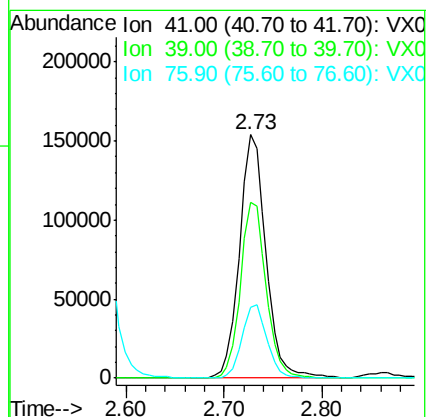
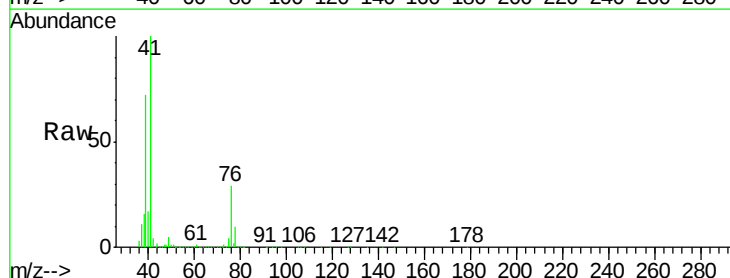
Tgt Ion: 41 Resp: 287468

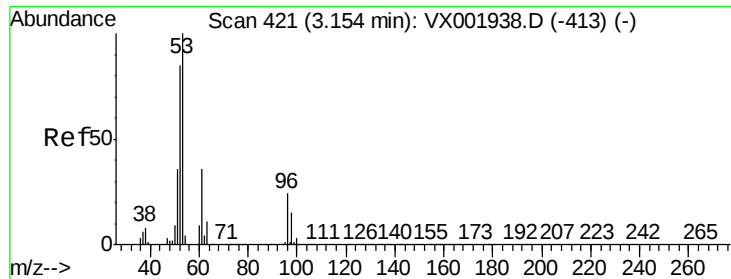
Ion Ratio Lower Upper

41 100

39 70.1 54.3 81.5

76 28.9 24.2 36.4





#15

Acrylonitrile

Concen: 280.34 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

ClientSampleId :

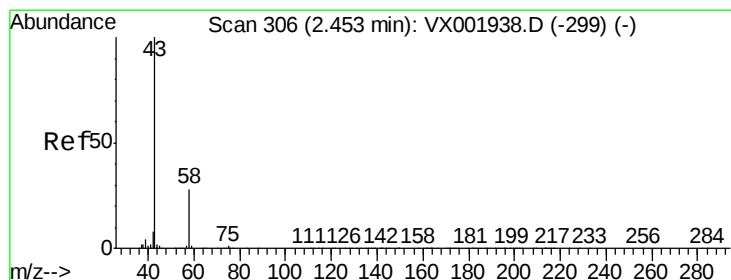
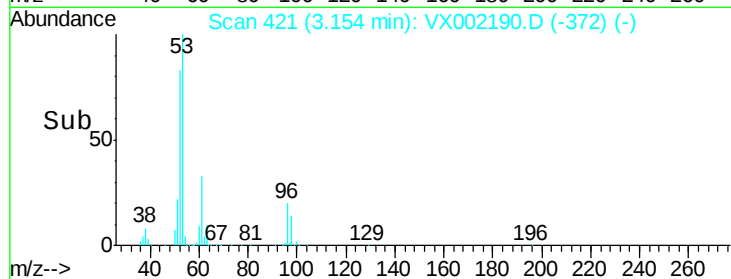
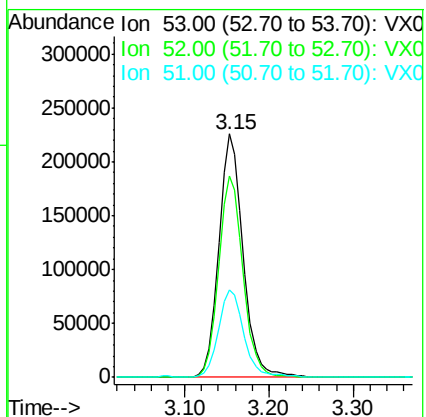
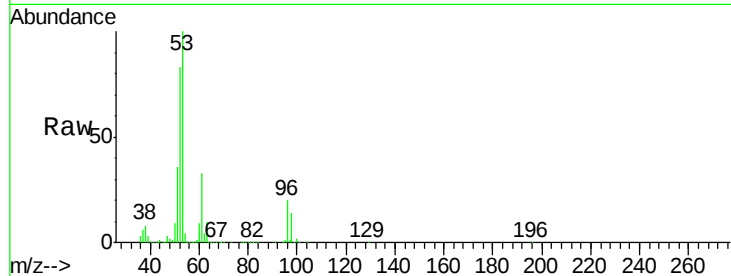
Tot Ion: 53 Resp: 446115

Ion Ratio Lower Upper

53 100

52 83.2 66.4 99.6

51 37.6 29.3 43.9



#16

Acetone

Concen: 276.01 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002190.D

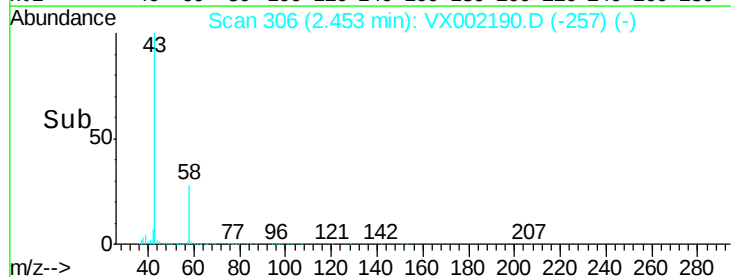
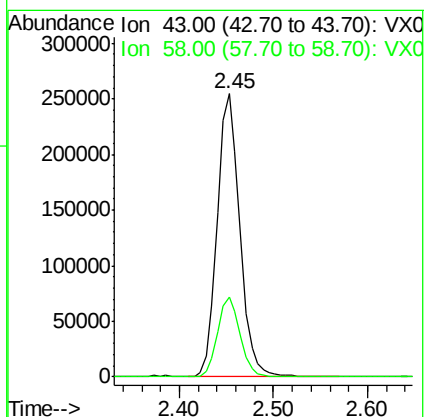
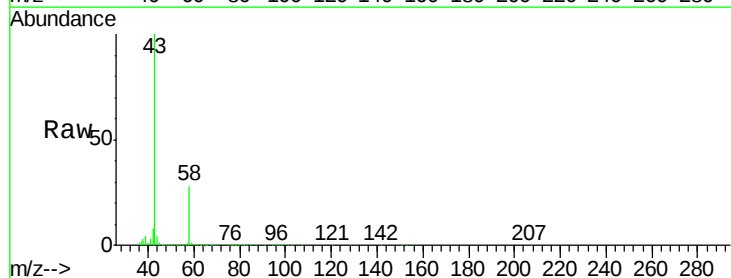
Acq: 31 May 2018 21:43

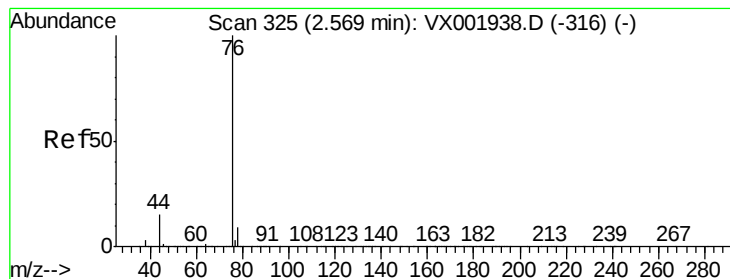
Tgt Ion: 43 Resp: 419952

Ion Ratio Lower Upper

43 100

58 28.1 22.3 33.5





#17

Carbon Disulfide

Concen: 43.40 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

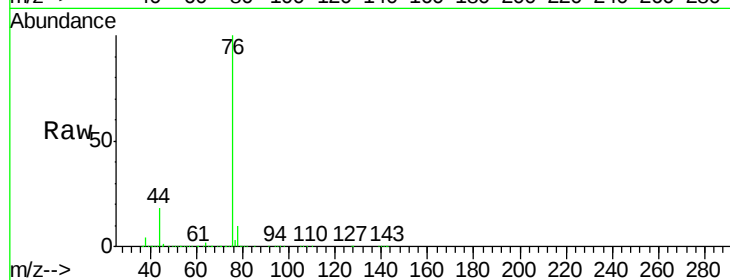
ClientSampleId :

Tot Ion: 76 Resp: 321107

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

200000

150000

100000

50000

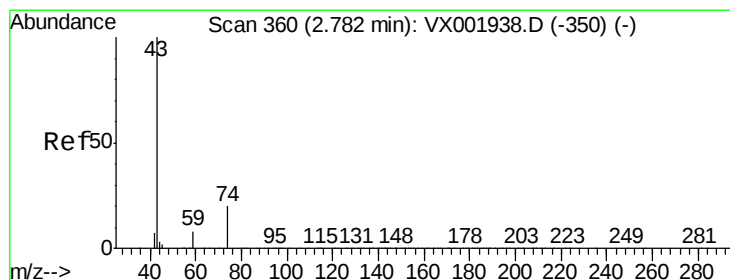
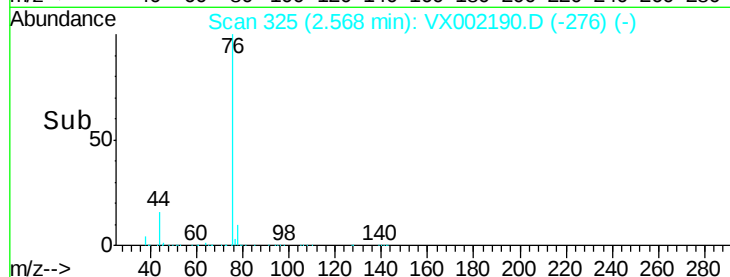
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 61.67 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002190.D

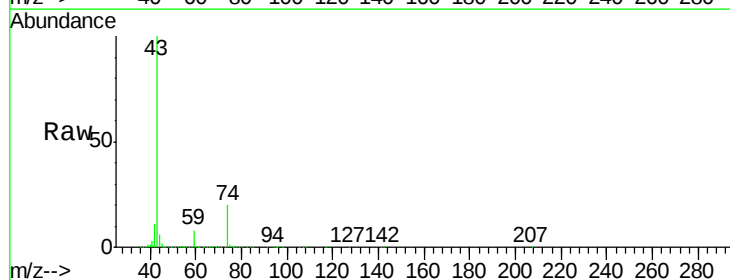
Acq: 31 May 2018 21:43

Tgt Ion: 43 Resp: 225070

Ion Ratio Lower Upper

43 100

74 20.2 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

150000

100000

50000

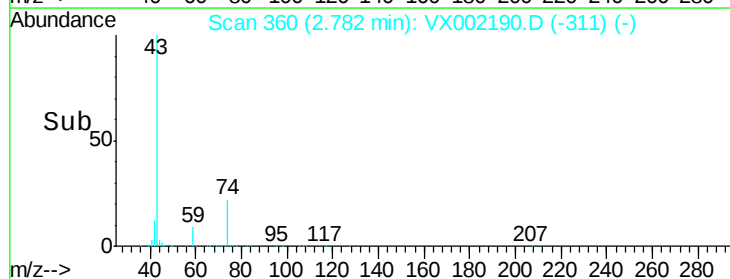
0

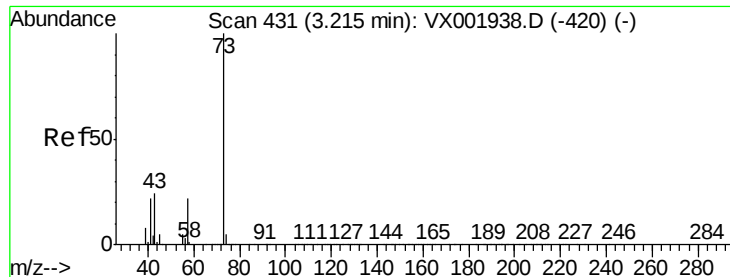
Time-->

2.70

2.80

2.90



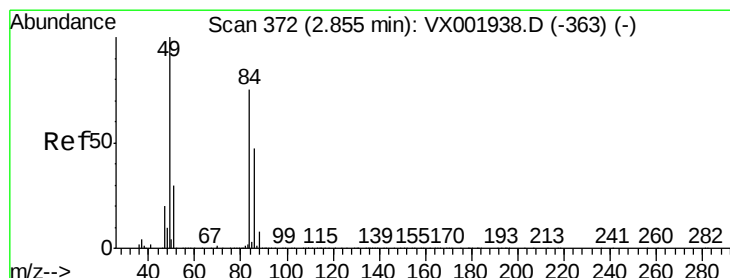
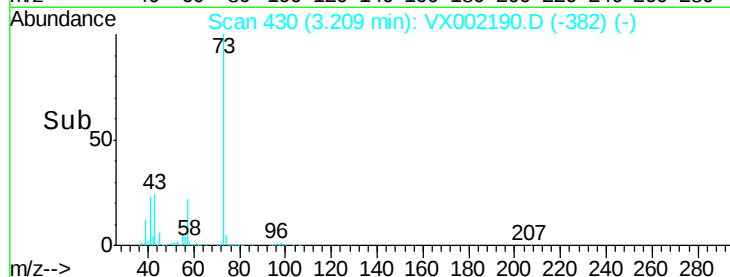
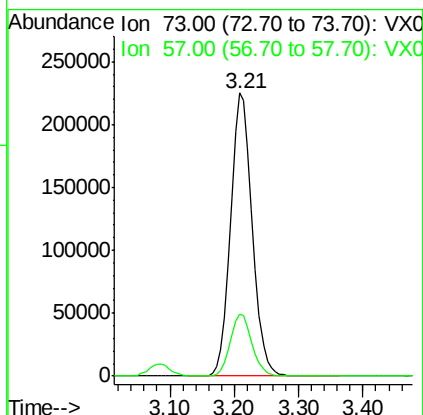
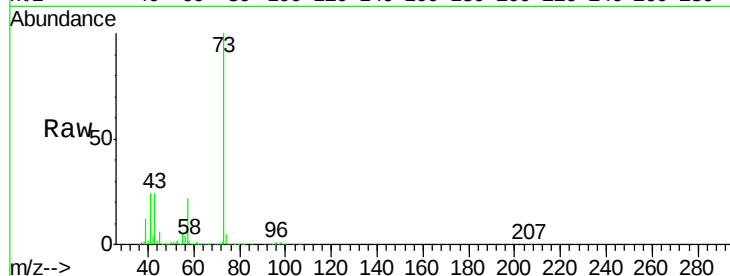


#19

Methyl tert-butyl Ether
 Concen: 54.80 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VX002190.D
 Acq: 31 May 2018 21:43

Instrument :
 MSVOA_X
 ClientSampled :

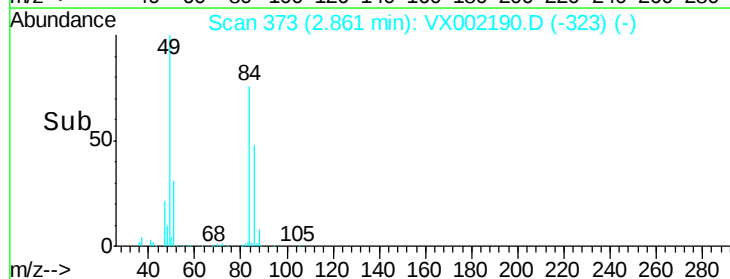
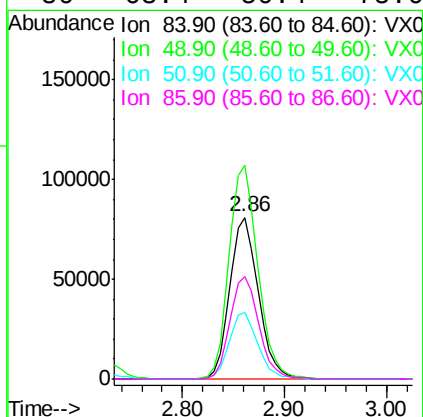
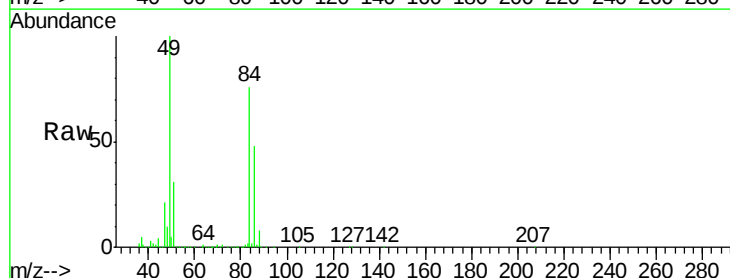
Tot Ion: 73 Resp: 529820
 Ion Ratio Lower Upper
 73 100
 57 21.8 17.4 26.0

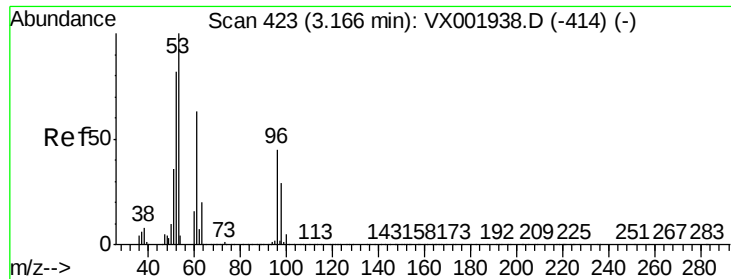


#20

Methylene Chloride
 Concen: 59.90 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.01 min
 Lab File: VX002190.D
 Acq: 31 May 2018 21:43

Tgt Ion: 84 Resp: 156921
 Ion Ratio Lower Upper
 84 100
 49 132.2 107.2 160.8
 51 40.7 32.4 48.6
 86 63.4 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 57.51 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

ClientSampleId :

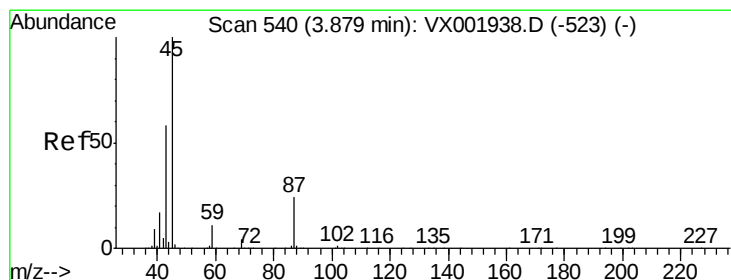
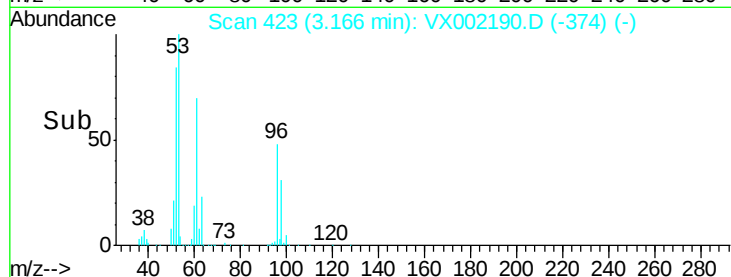
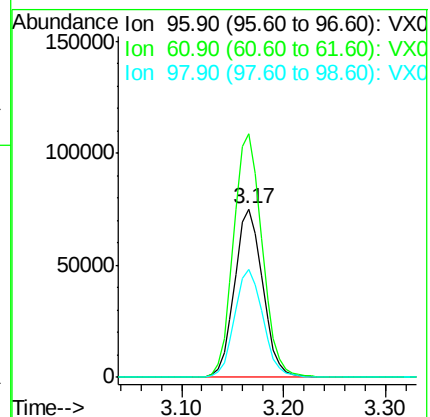
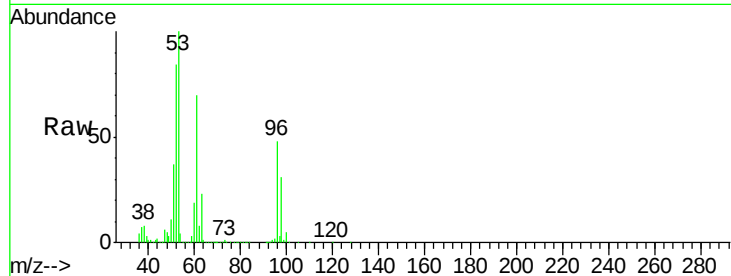
Tot Ion: 96 Resp: 143344

Ion Ratio Lower Upper

96 100

61 144.6 113.3 169.9

98 64.4 51.7 77.5



#22

Diisopropyl ether

Concen: 48.04 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Tgt Ion: 45 Resp: 527280

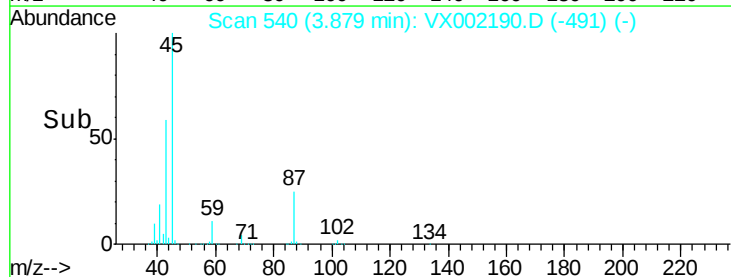
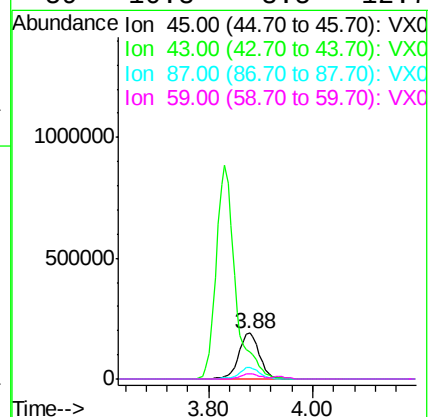
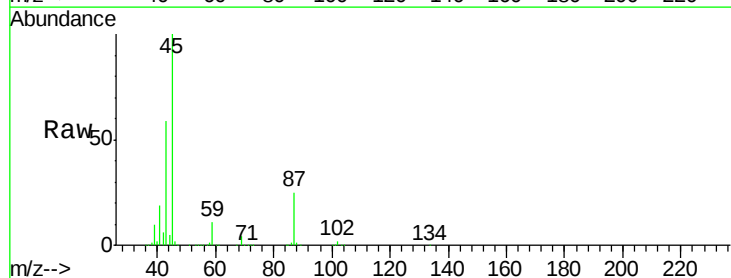
Ion Ratio Lower Upper

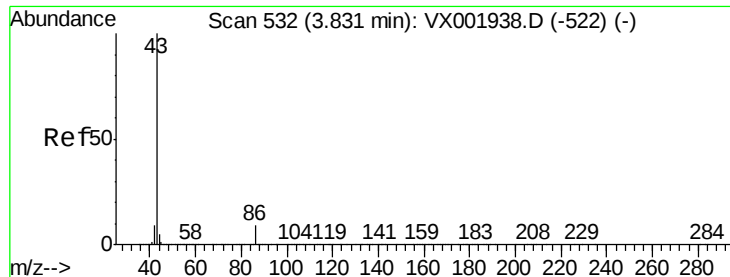
45 100

43 59.1 47.0 70.6

87 24.7 19.4 29.0

59 10.8 8.5 12.7





#23

Vinyl Acetate

Concen: 249.31 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

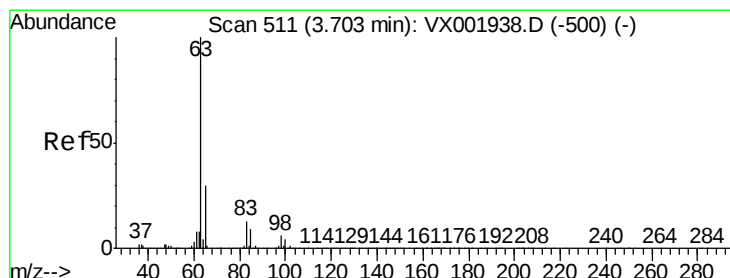
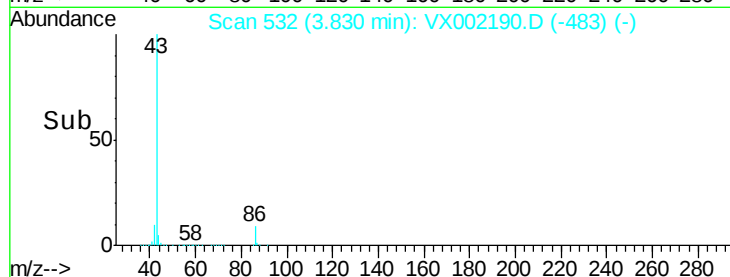
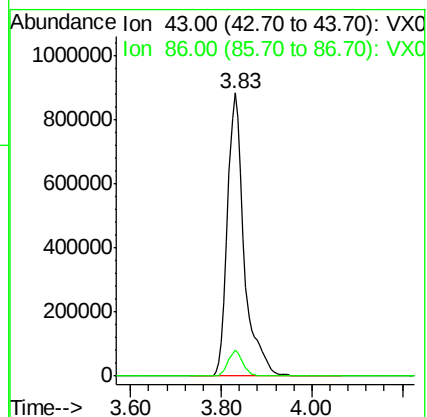
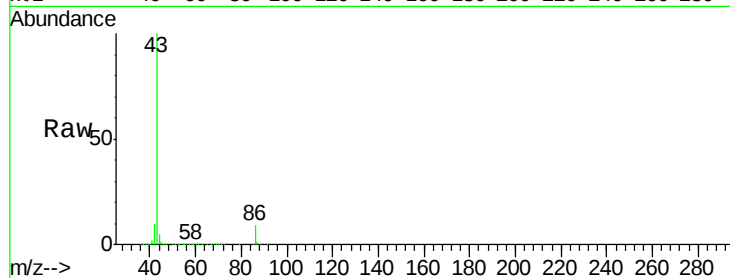
ClientSampled :

Tot Ion: 43 Resp: 2268859

Ion Ratio Lower Upper

43 100

86 9.0 7.6 11.4



#24

1,1-Dichloroethane

Concen: 49.53 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

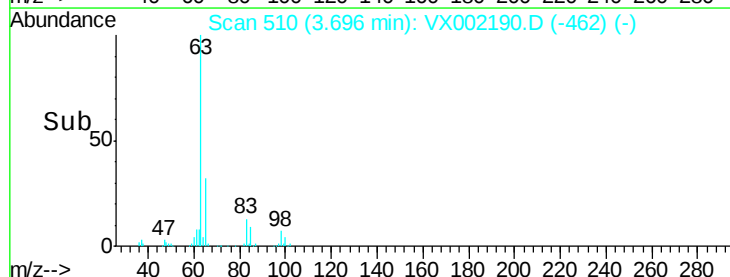
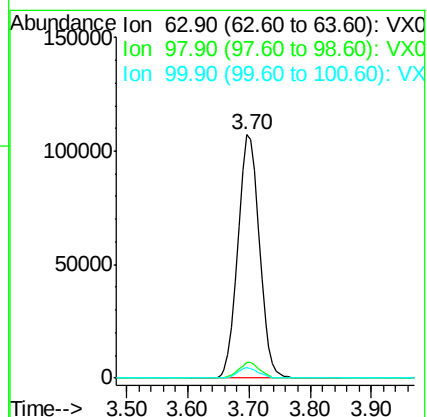
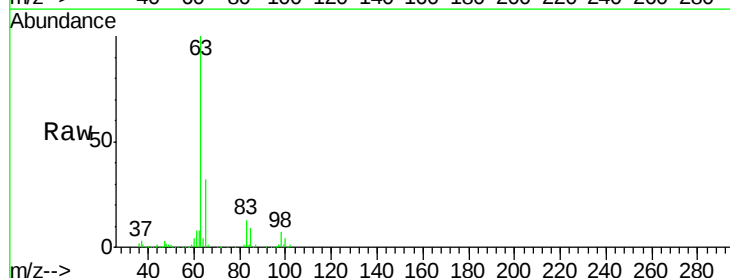
Tgt Ion: 63 Resp: 258265

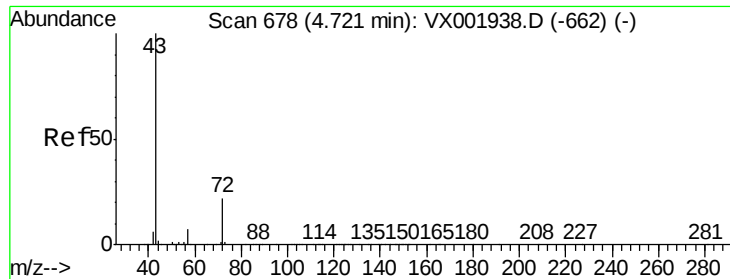
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 223.09 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

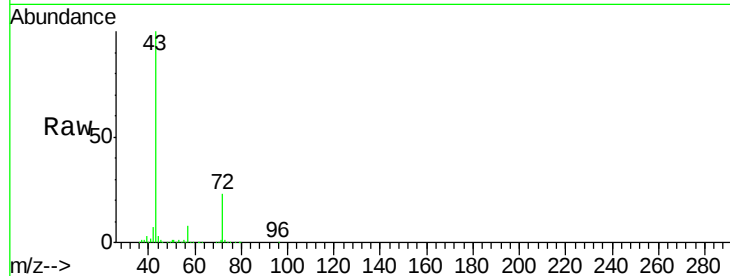
ClientSampleId :

Tot Ion: 43 Resp: 622110

Ion Ratio Lower Upper

43 100

72 22.5 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

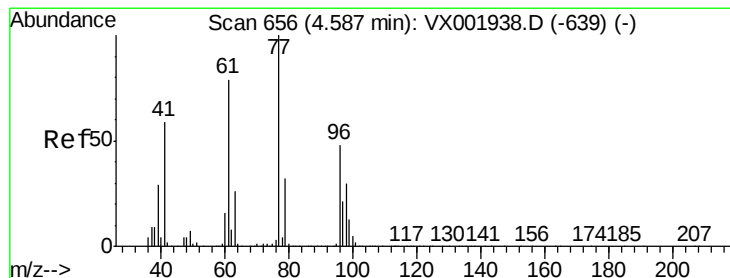
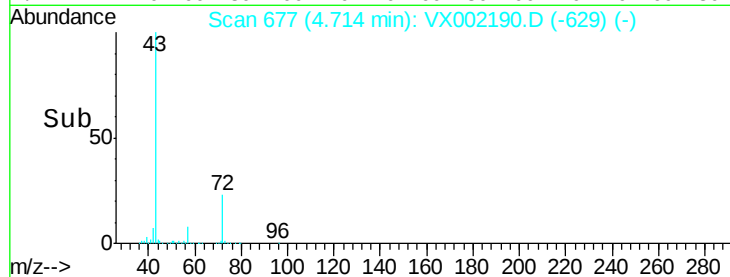
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 36.44 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002190.D

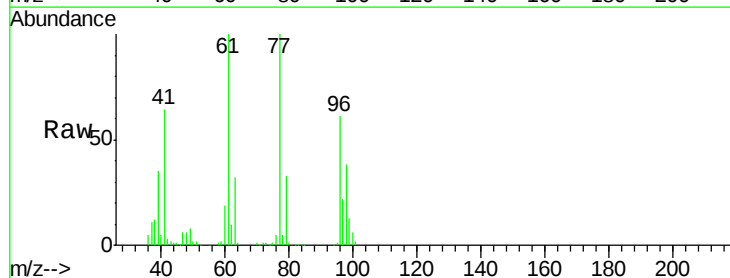
Acq: 31 May 2018 21:43

Tgt Ion: 77 Resp: 192304

Ion Ratio Lower Upper

77 100

97 22.8 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

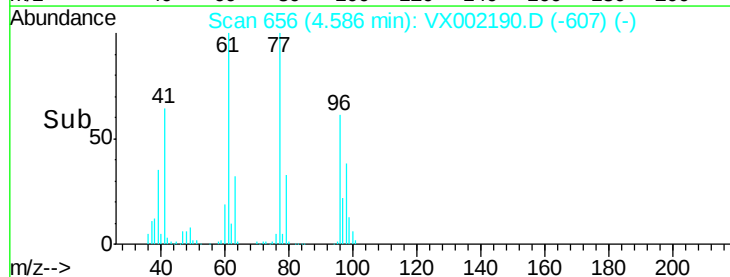
40000

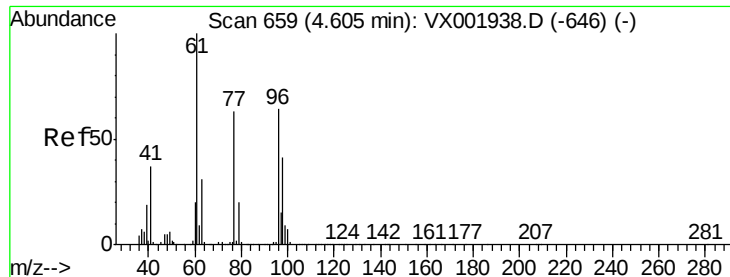
20000

0

4.40 4.50 4.60 4.70

Time-->



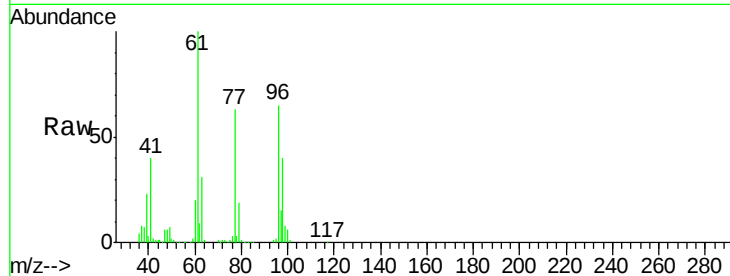


#27

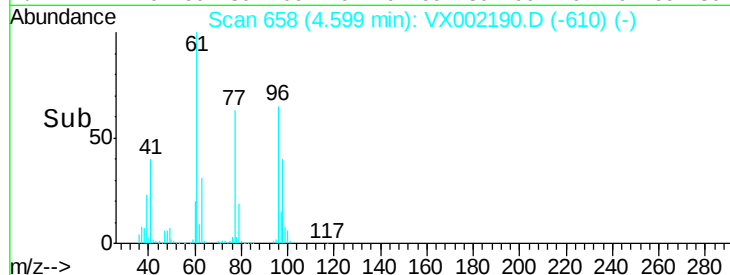
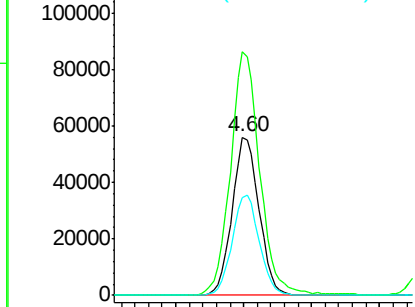
cis-1,2-Dichloroethene
Concen: 45.69 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX002190.D
Acq: 31 May 2018 21:43

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	96	Resp:	153155
Ion	Ratio	Lower	Upper
96	100		
61	168.5	0.0	348.4
98	64.2	0.0	128.6



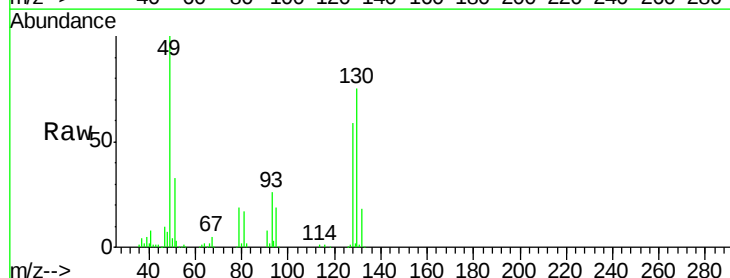
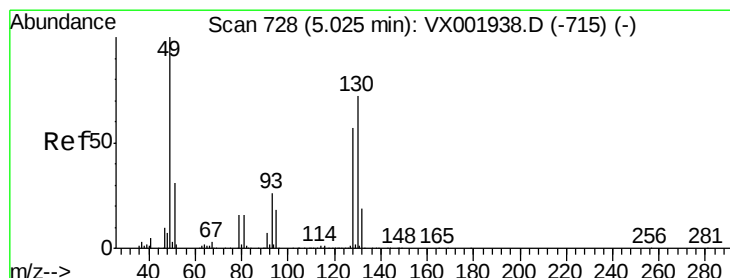
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



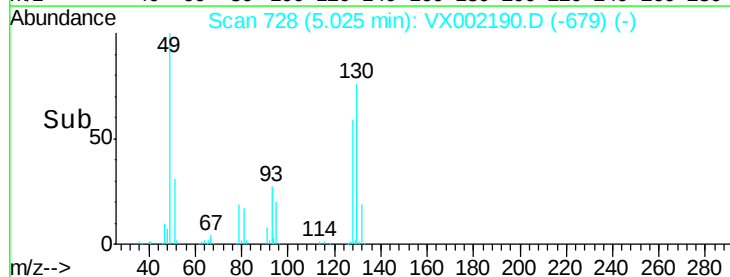
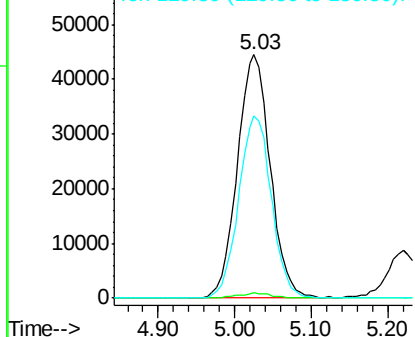
#28

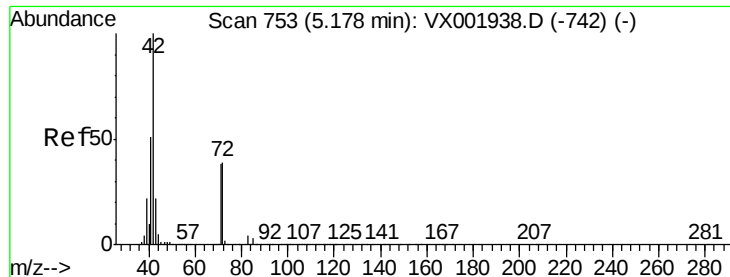
Bromochloromethane
Concen: 61.08 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002190.D
Acq: 31 May 2018 21:43

Tgt Ion:	49	Resp:	132828
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	74.5	59.4	89.2



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: 226.42 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

ClientSampleId :

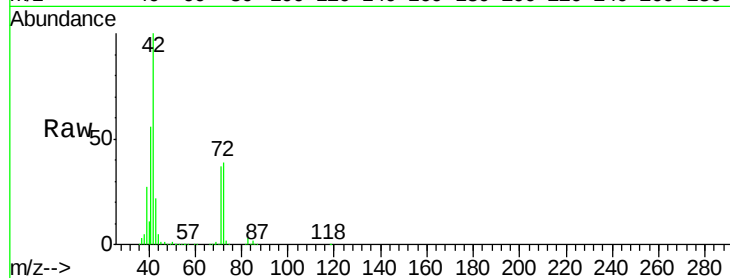
Tot Ion: 42 Resp: 410804

Ion Ratio Lower Upper

42 100

72 39.3 31.4 47.0

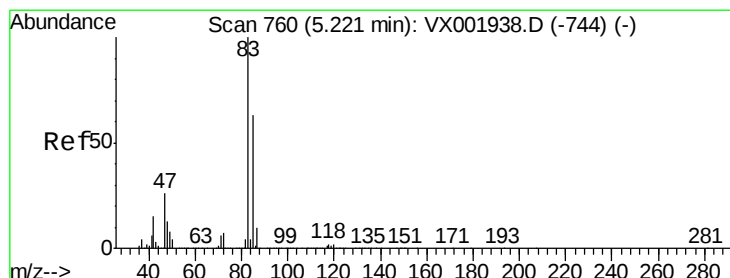
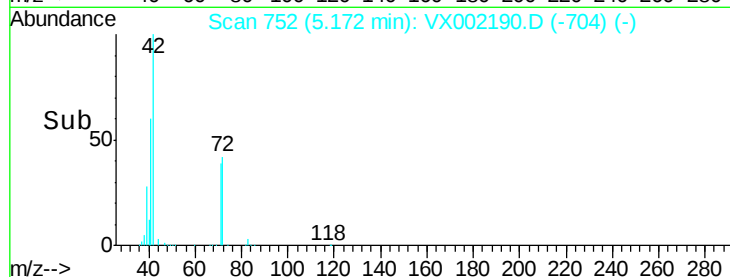
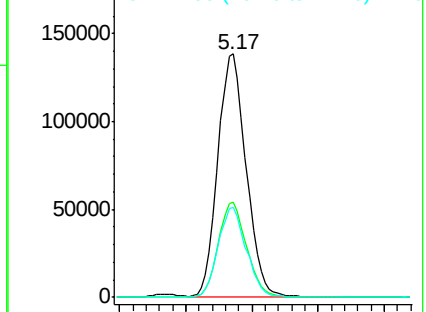
71 36.7 29.5 44.3



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 46.47 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX002190.D

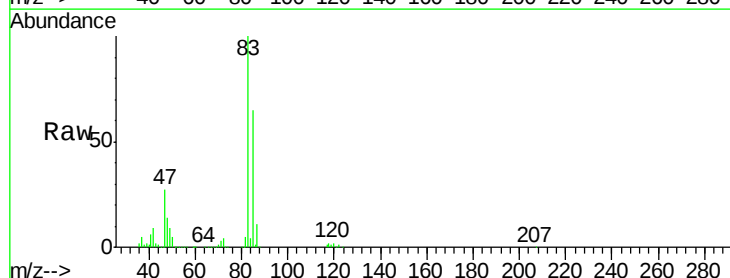
Acq: 31 May 2018 21:43

Tgt Ion: 83 Resp: 272984

Ion Ratio Lower Upper

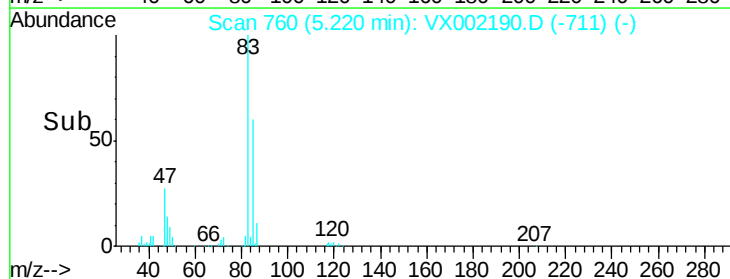
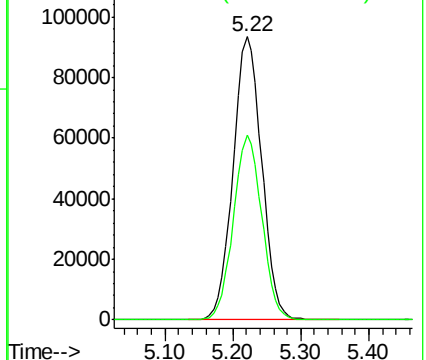
83 100

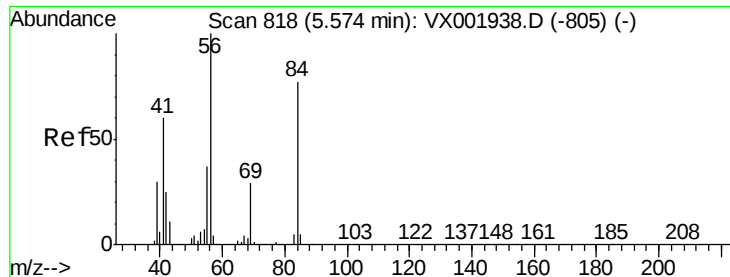
85 65.2 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

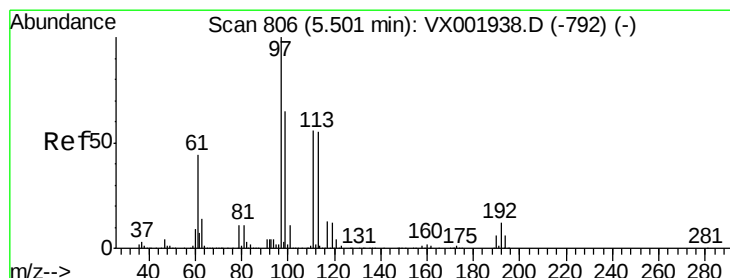
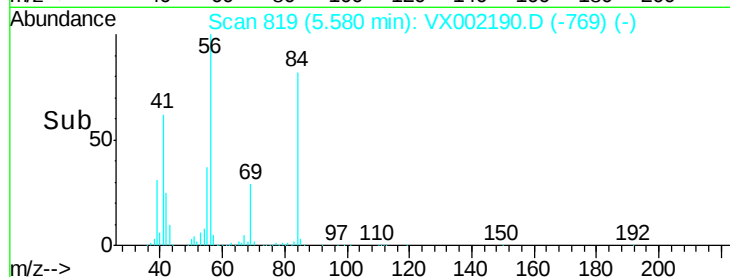
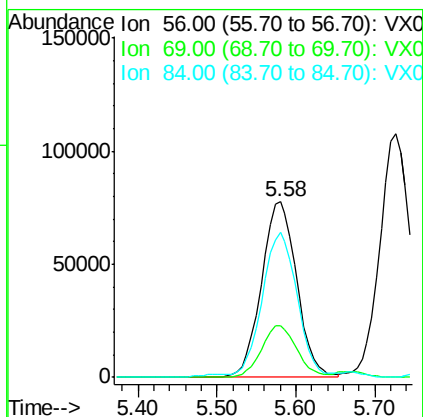
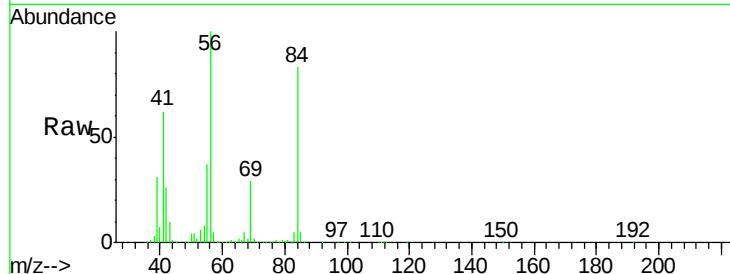




#31
Cyclohexane
Concen: 44.39 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002190.D
Acq: 31 May 2018 21:43

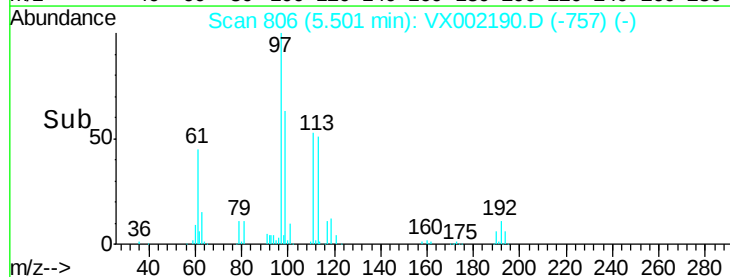
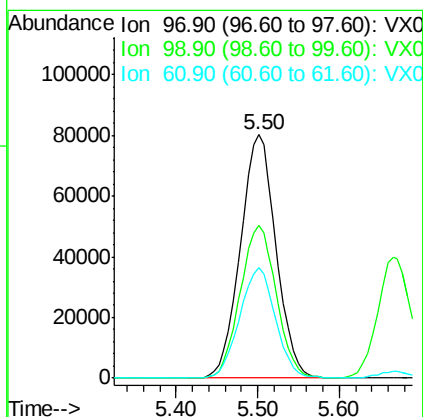
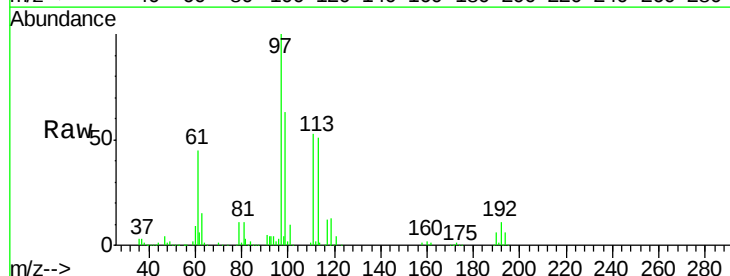
Instrument :
MSVOA_X
ClientSampleId :

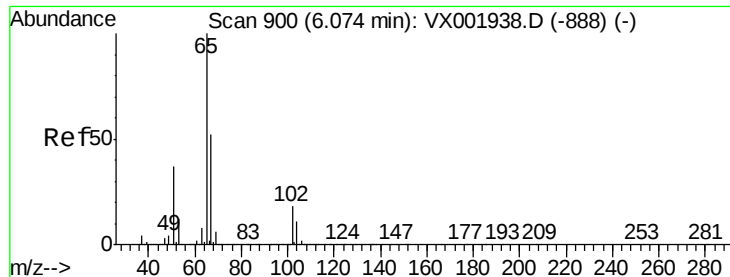
Tot Ion	56	Resp	241150
Ion Ratio	Lower	Upper	
56	100		
69	29.4	23.1	34.7
84	82.2	62.0	93.0



#32
1,1,1-Trichloroethane
Concen: 44.37 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX002190.D
Acq: 31 May 2018 21:43

Tgt Ion	97	Resp	242982
Ion Ratio	Lower	Upper	
97	100		
99	63.5	51.9	77.9
61	45.9	35.9	53.9





#33

1,2-Dichloroethane-d4

Concen: 41.75 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

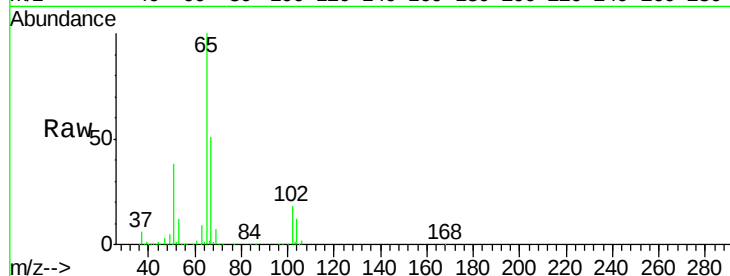
ClientSampleId :

Tot Ion: 65 Resp: 164593

Ion Ratio Lower Upper

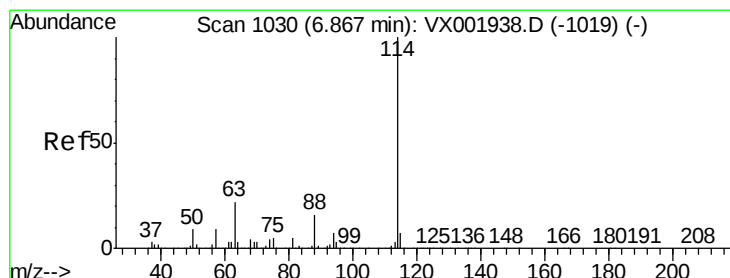
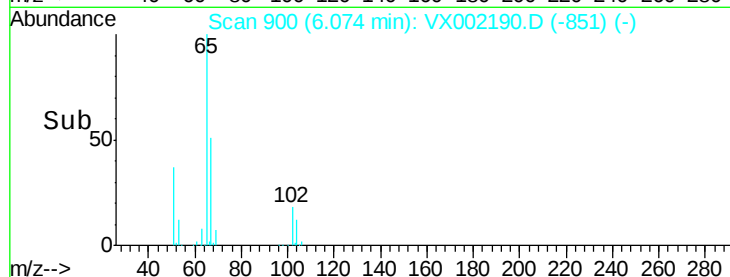
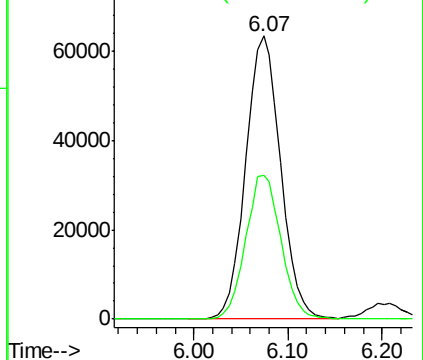
65 100

67 51.5 0.0 104.0



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: VX002190.D

Acq: 31 May 2018 21:43

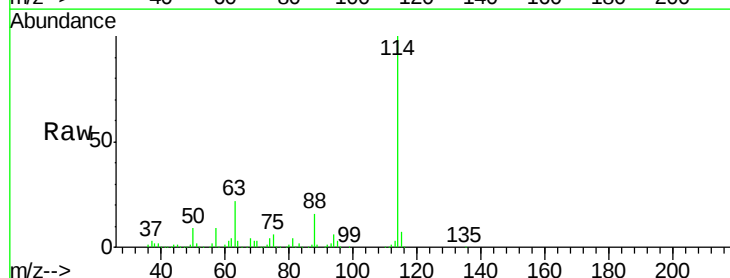
Tgt Ion: 114 Resp: 311640

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.2

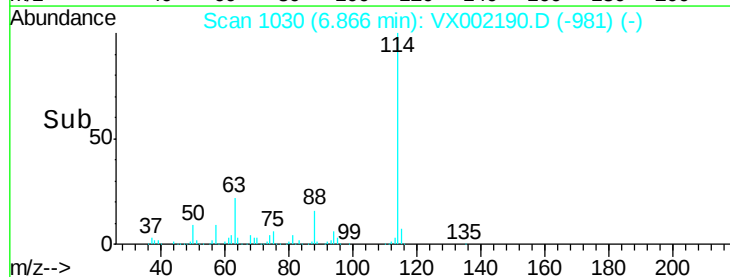
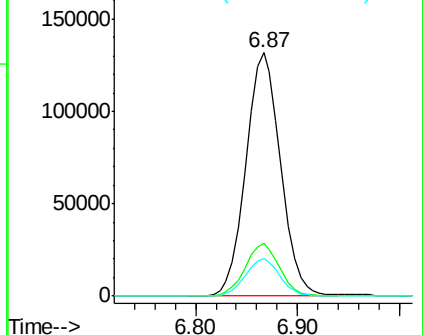
88 15.6 0.0 31.6

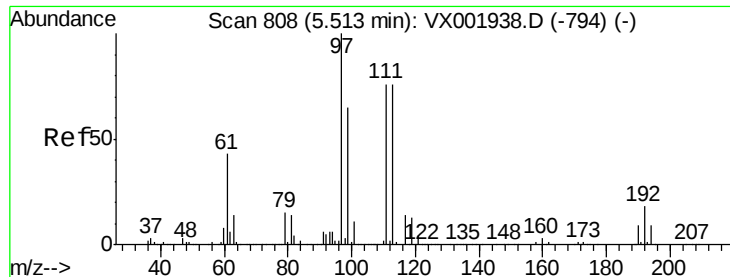


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 41.01 ug/l

RT: 5.51 min Scan# 807

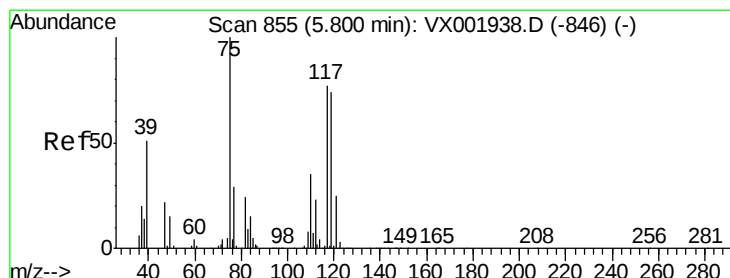
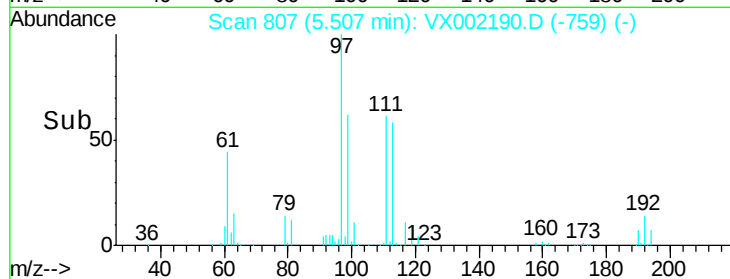
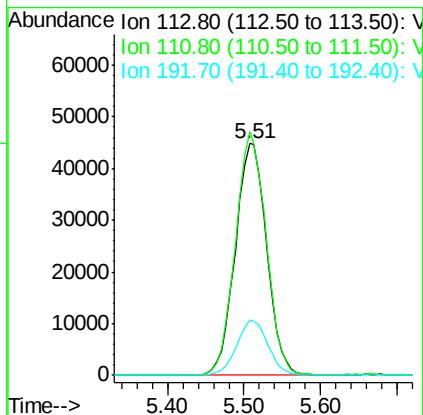
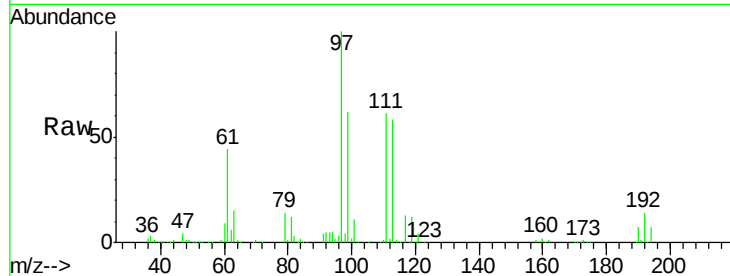
Delta R.T. -0.01 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	113	Resp:	127797
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.0	123.0
192	23.5	18.9	28.3



#36

1,1-Dichloropropene

Concen: 45.39 ug/l

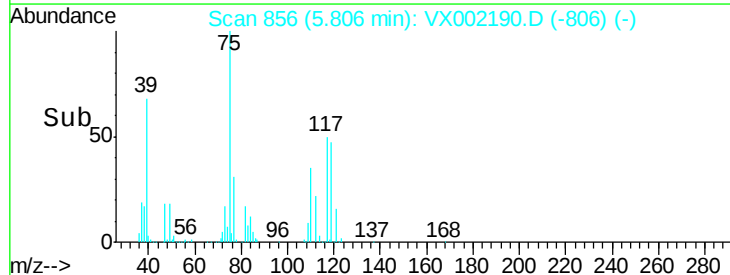
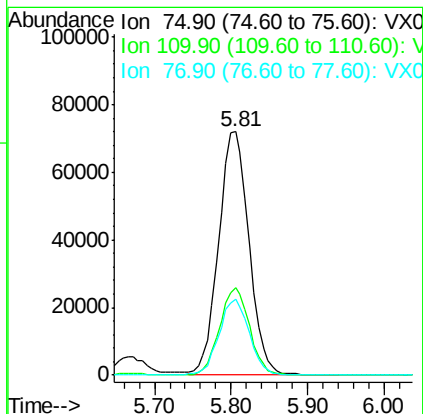
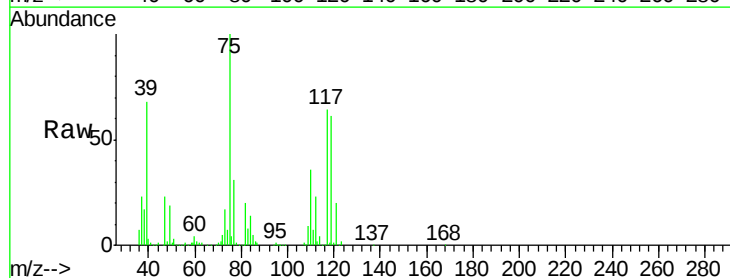
RT: 5.81 min Scan# 856

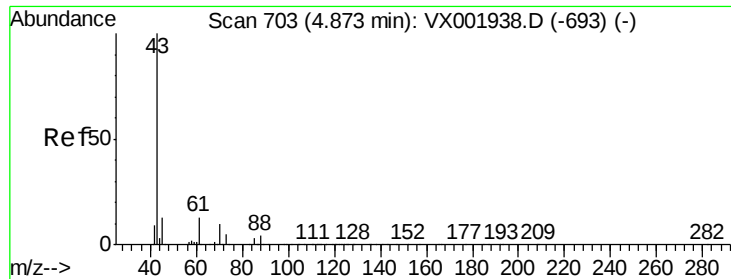
Delta R.T. 0.01 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Tgt Ion:	75	Resp:	196740
Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.4	52.2
77	31.0	24.4	36.6

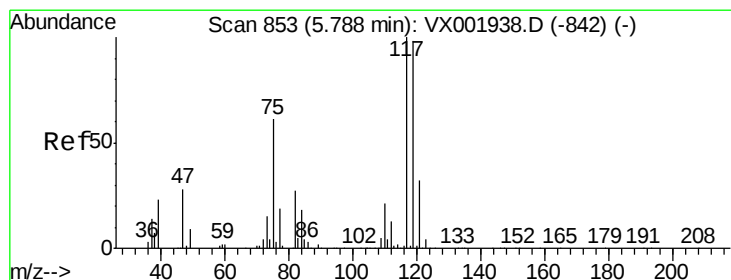
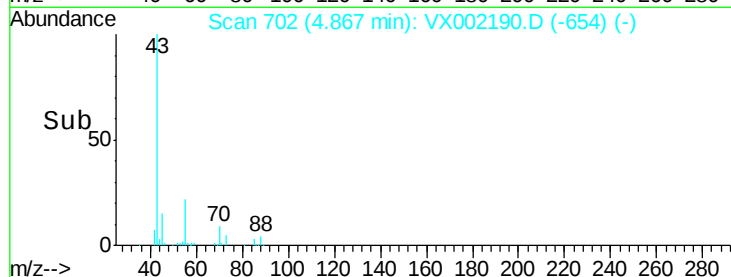
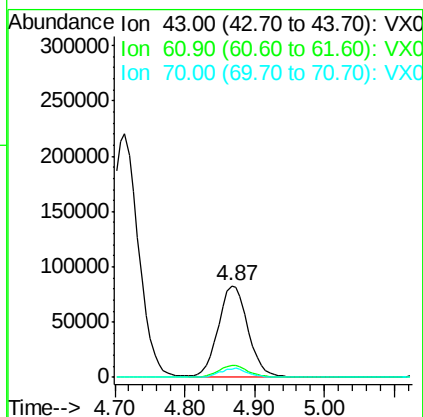
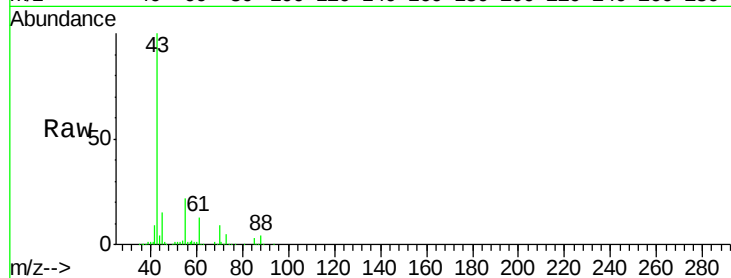




#37
Ethyl Acetate
Concen: 43.17 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX002190.D
Acq: 31 May 2018 21:43

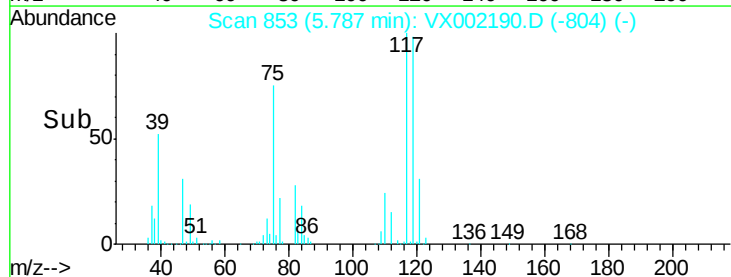
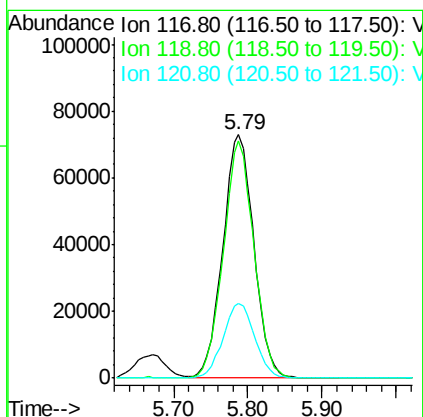
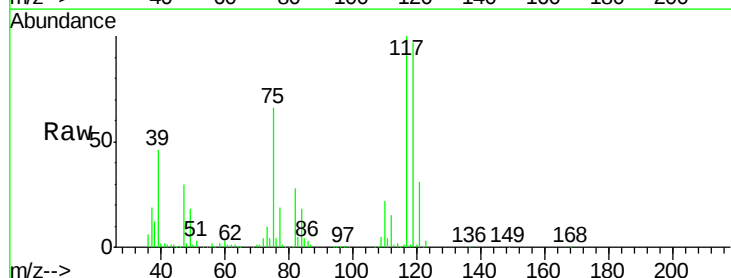
Instrument :
MSVOA_X
ClientSampleId :

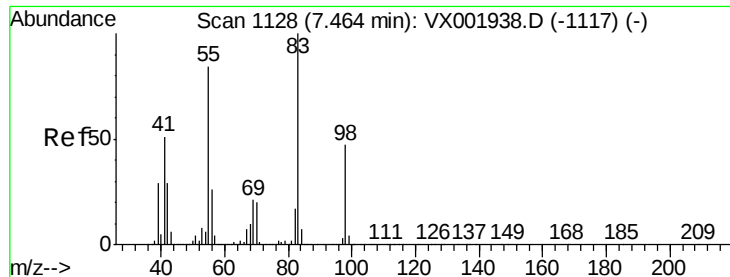
Tot Ion: 43 Resp: 243977
Ion Ratio Lower Upper
43 100
61 12.8 10.2 15.2
70 9.2 7.8 11.8



#38
Carbon Tetrachloride
Concen: 41.89 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002190.D
Acq: 31 May 2018 21:43

Tgt Ion: 117 Resp: 211726
Ion Ratio Lower Upper
117 100
119 97.4 78.5 117.7
121 30.7 25.5 38.3

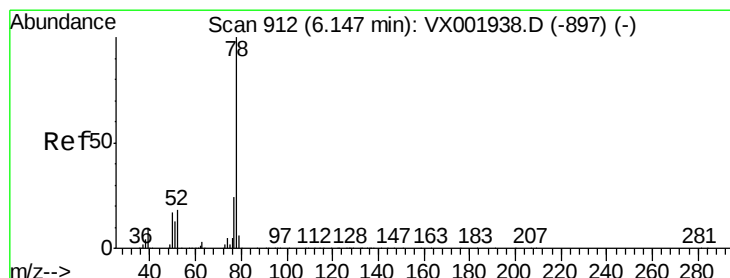
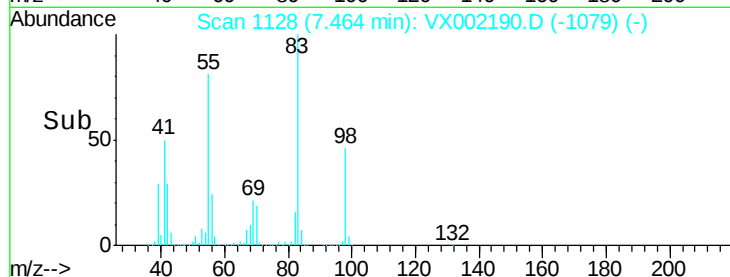
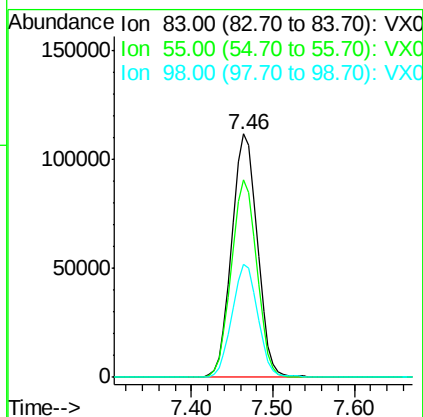
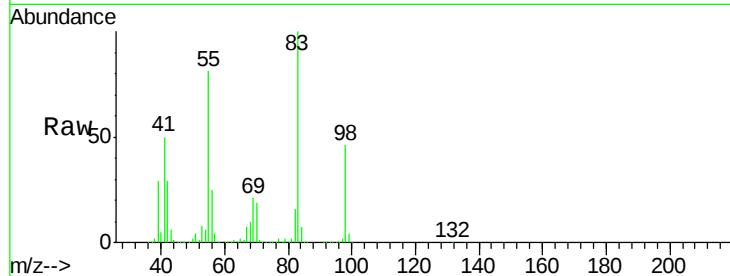




#39
Methvlcvclohexane
Concen: 45.35 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002190.D
Acq: 31 May 2018 21:43

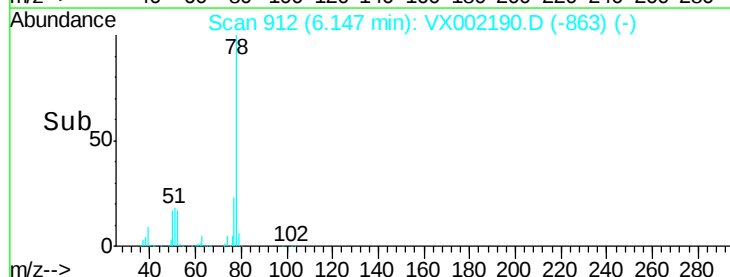
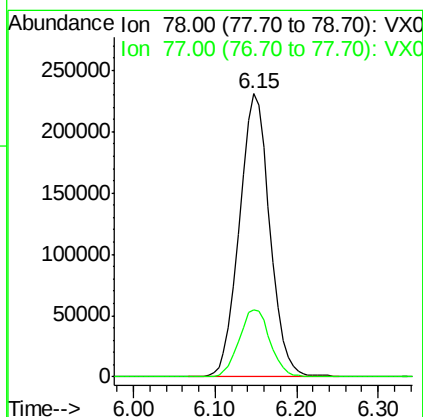
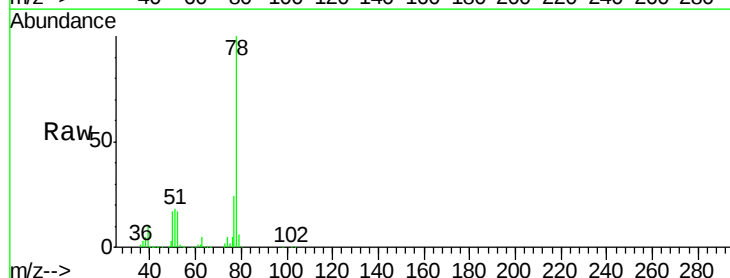
Instrument :
MSVOA_X
ClientSampled :

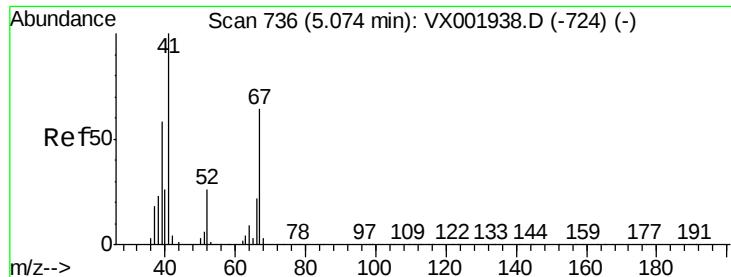
Tot Ion	83.00	Resp:	241532
Ion	Ratio	Lower	Upper
83	100		
55	81.1	67.3	100.9
98	46.4	37.5	56.3



#40
Benzene
Concen: 47.04 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002190.D
Acq: 31 May 2018 21:43

Tgt Ion	78.00	Resp:	597383
Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7

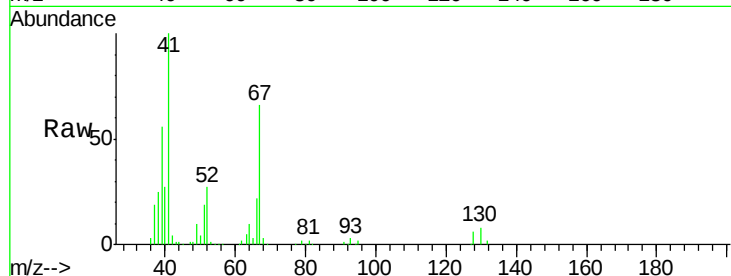




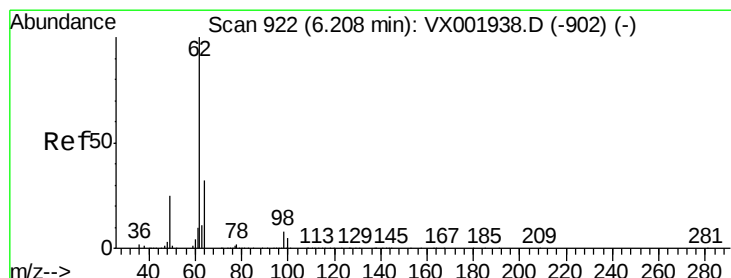
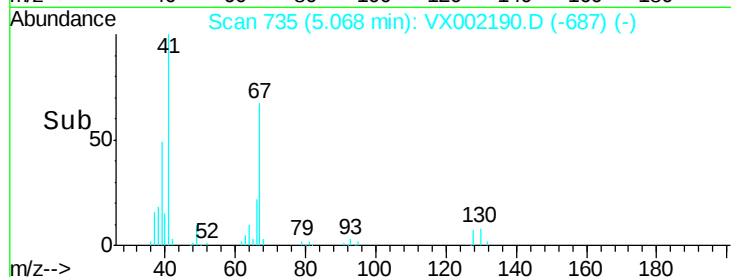
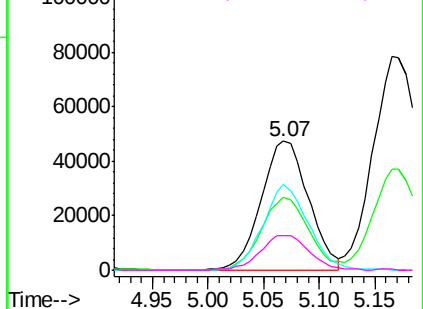
#41
Methacrylonitrile
Concen: 46.83 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX002190.D
Acq: 31 May 2018 21:43

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	139915
Ion	Ratio	Lower	Upper
41	100		
39	56.8	46.0	69.0
67	63.9	50.6	75.8
52	28.4	21.9	32.9

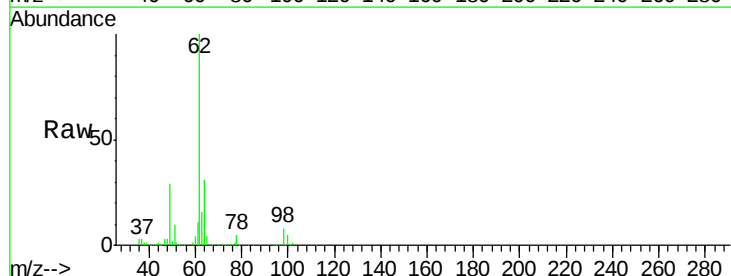


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

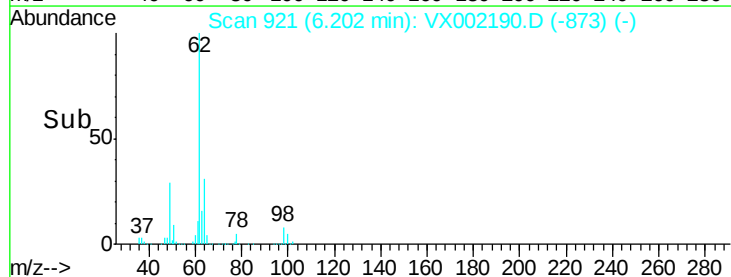
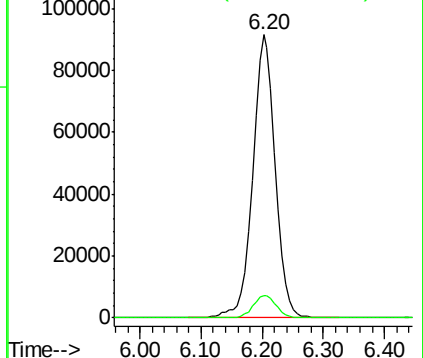


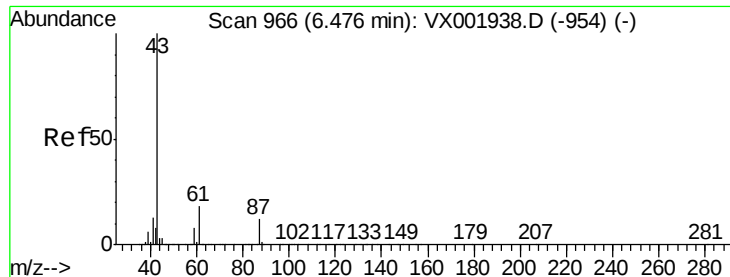
#42
1,2-Dichloroethane
Concen: 46.53 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002190.D
Acq: 31 May 2018 21:43

Tgt Ion:	62	Resp:	236032
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.0



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



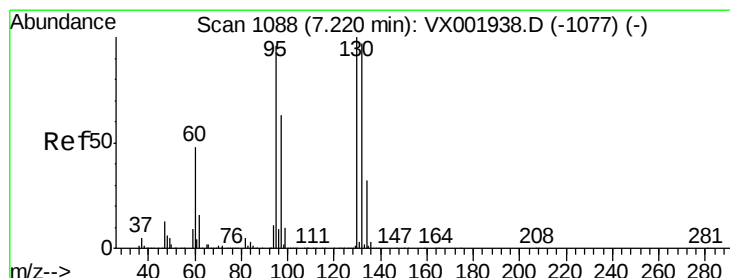
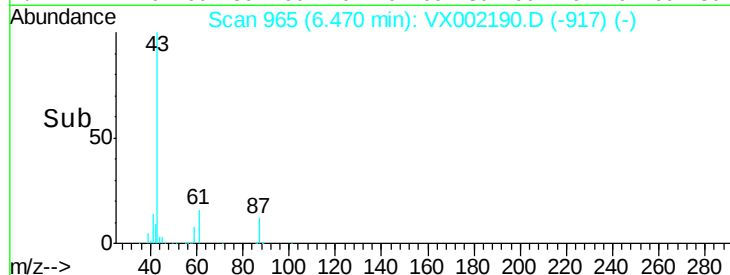
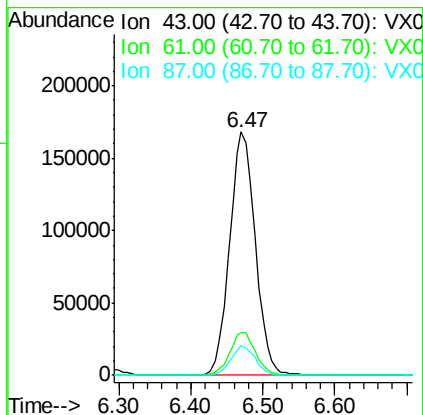
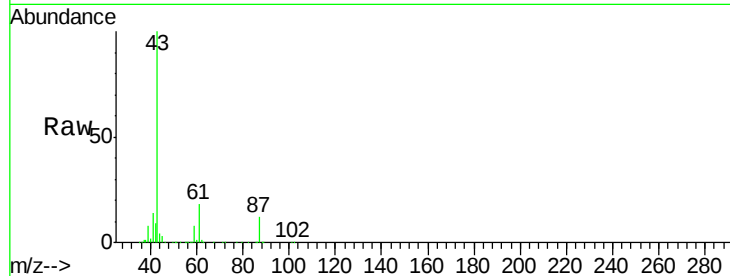


#43

Isopropyl Acetate
 Concen: 44.16 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX002190.D
 Acq: 31 May 2018 21:43

Instrument :
 MSVOA_X
 ClientSampleId :

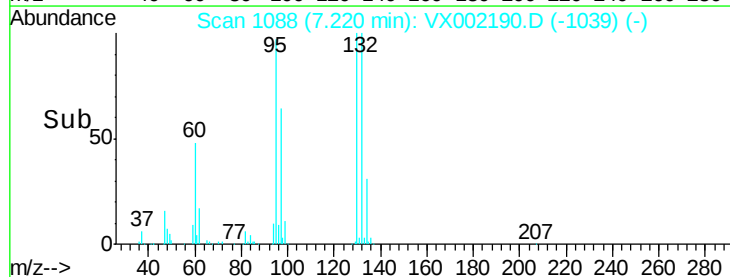
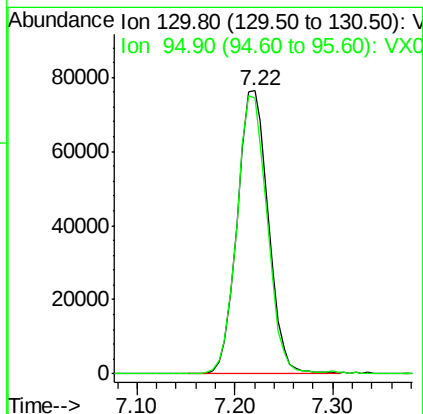
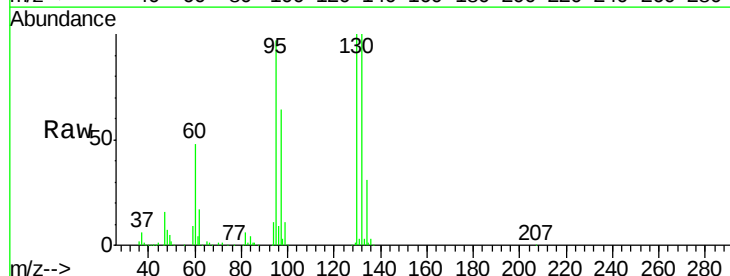
Tot Ion	43	Resp	415798
Ion Ratio	Lower	Upper	
43	100		
61	17.9	14.5	21.7
87	11.6	9.5	14.3

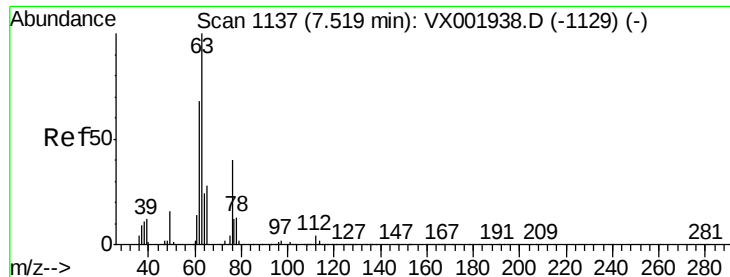


#44

Trichloroethene
 Concen: 45.62 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX002190.D
 Acq: 31 May 2018 21:43

Tgt Ion	130	Resp	168833
Ion Ratio	Lower	Upper	
130	100		
95	97.5	0.0	192.0





#45

1,2-Dichloropropane

Concen: 45.81 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

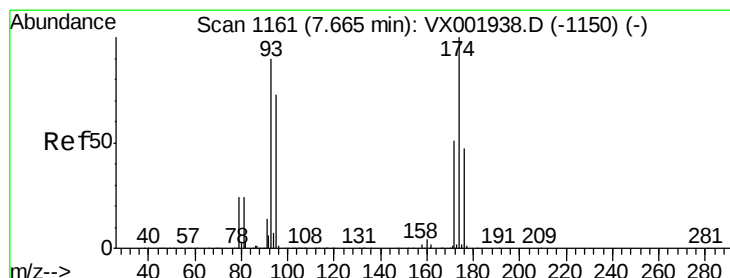
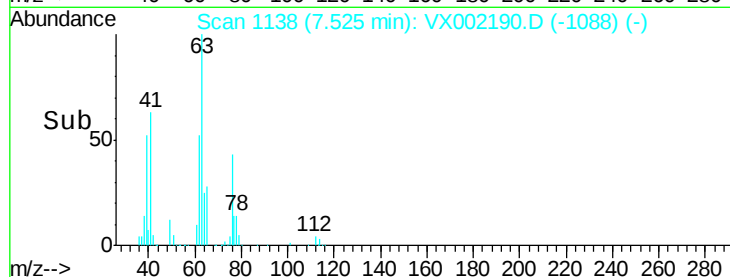
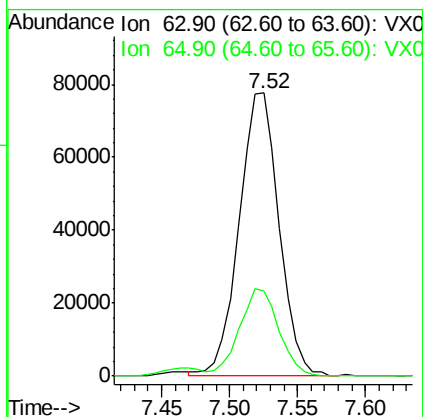
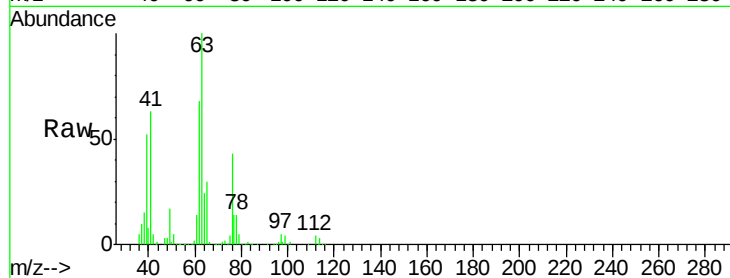
ClientSampleId :

Tot Ion: 63 Resp: 157987

Ion Ratio Lower Upper

63 100

65 29.8 24.1 36.1



#46

Dibromomethane

Concen: 45.99 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

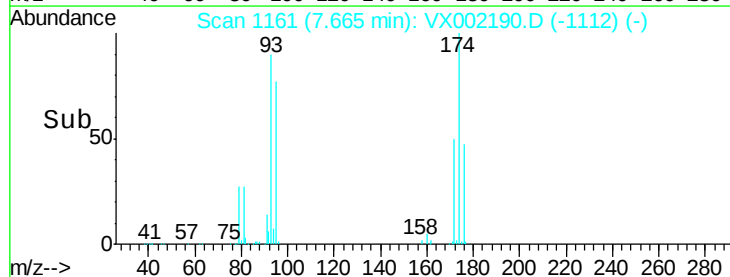
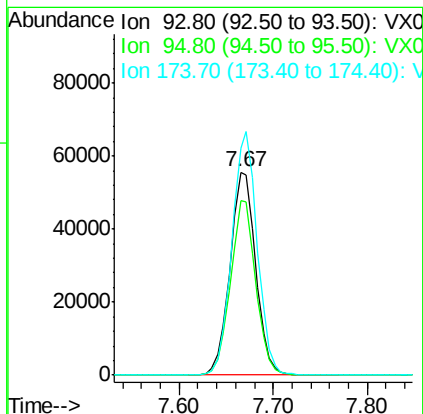
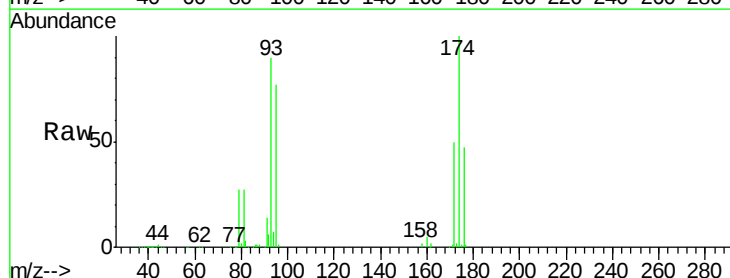
Tgt Ion: 93 Resp: 105006

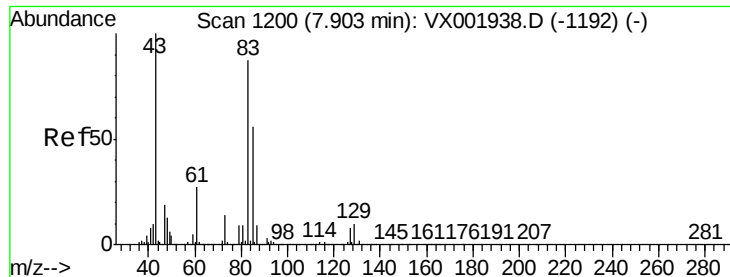
Ion Ratio Lower Upper

93 100

95 84.7 66.1 99.1

174 117.8 92.5 138.7





#47

Bromodichloromethane

Concen: 41.34 ug/l

RT: 7.90 min Scan# 1200

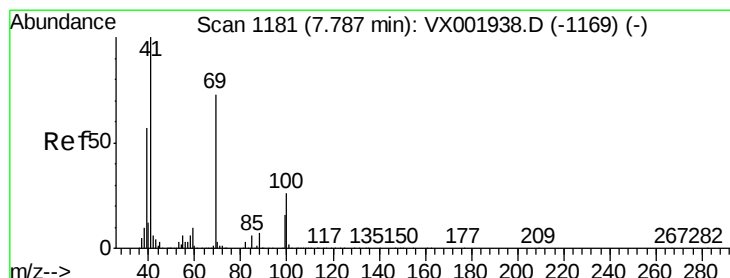
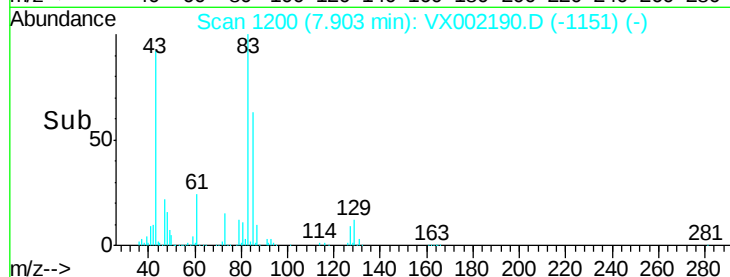
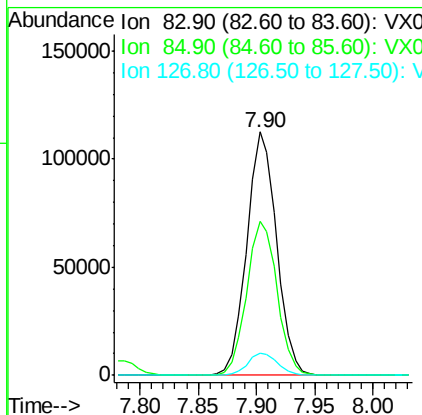
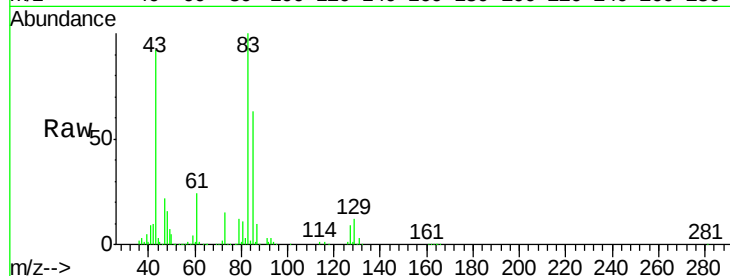
Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	83	Resp:	201267
Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.4	77.2
127	9.0	7.1	10.7



#48

Methyl methacrylate

Concen: 44.27 ug/l

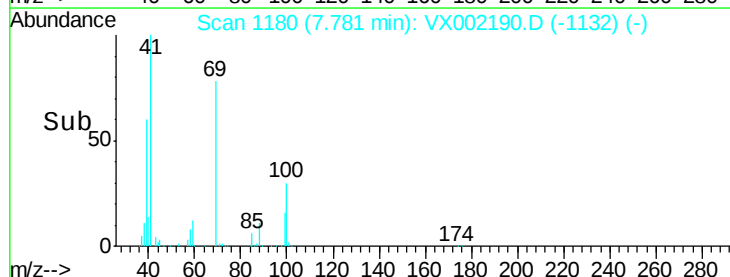
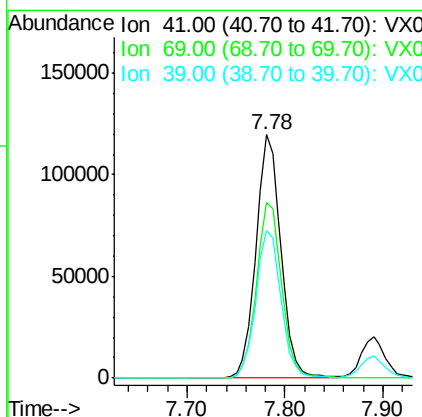
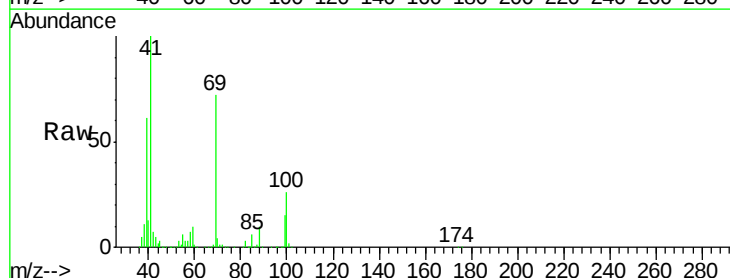
RT: 7.78 min Scan# 1180

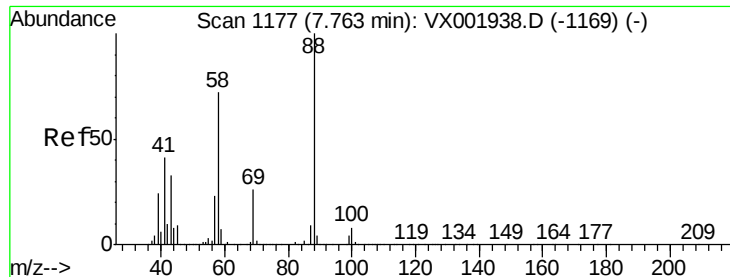
Delta R.T. -0.01 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Tgt Ion:	41	Resp:	212170
Ion	Ratio	Lower	Upper
41	100		
69	73.4	58.6	87.8
39	61.5	46.3	69.5





#49

1,4-Dioxane

Concen: 955.63 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

ClientSampleId :

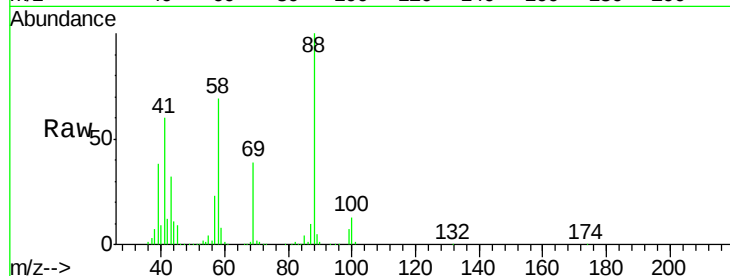
Tot Ion: 88 Resp: 80706

Ion Ratio Lower Upper

88 100

43 37.3 29.8 44.8

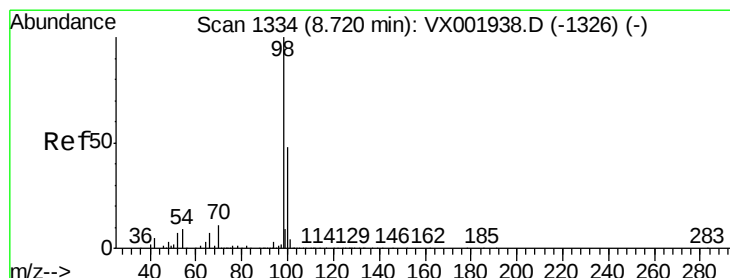
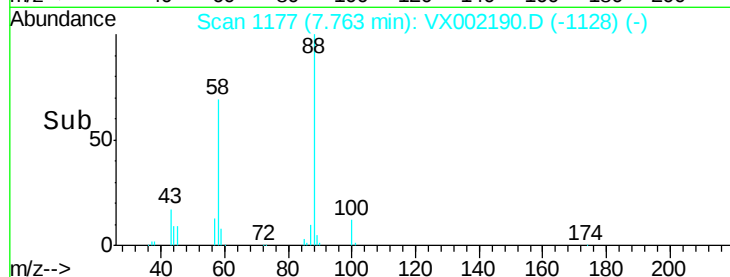
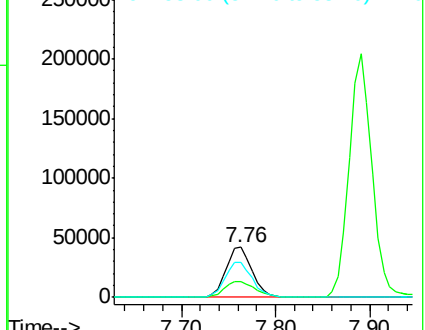
58 72.1 58.7 88.1



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: 42.28 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002190.D

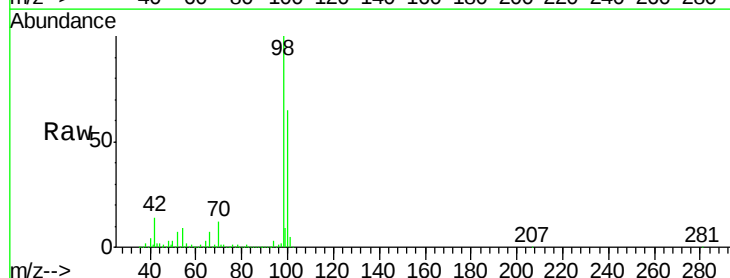
Acq: 31 May 2018 21:43

Tgt Ion: 98 Resp: 476995

Ion Ratio Lower Upper

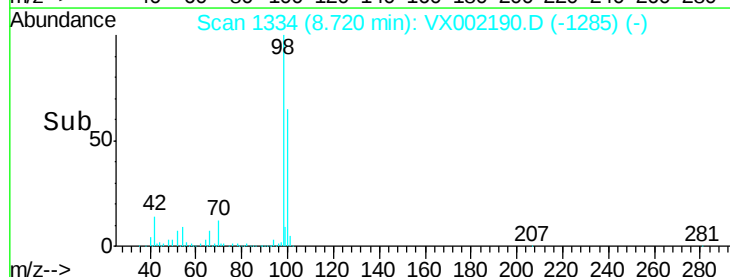
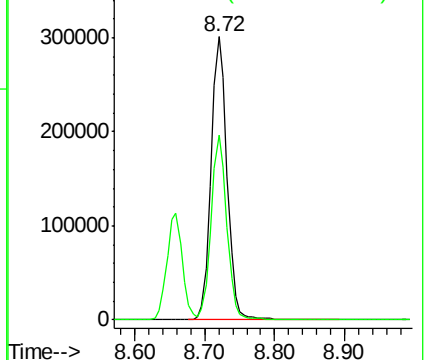
98 100

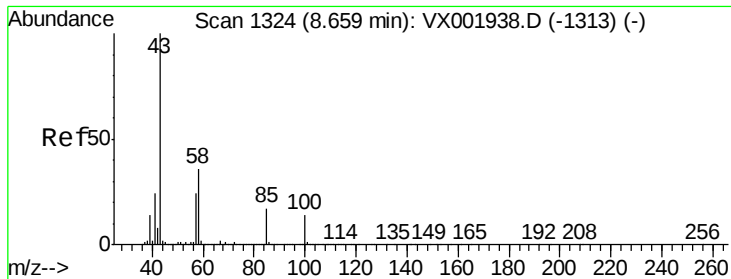
100 64.4 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

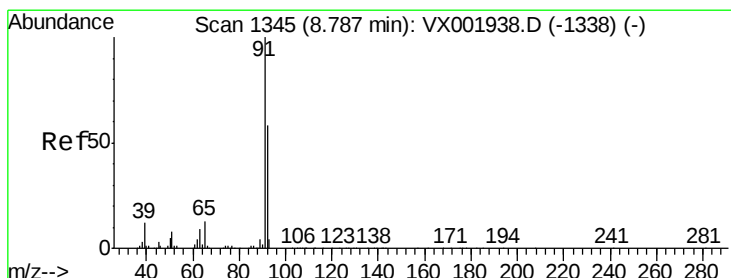
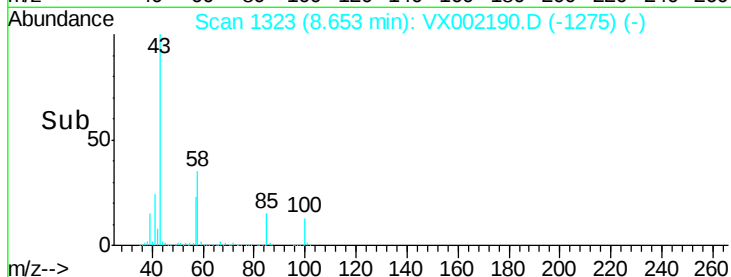
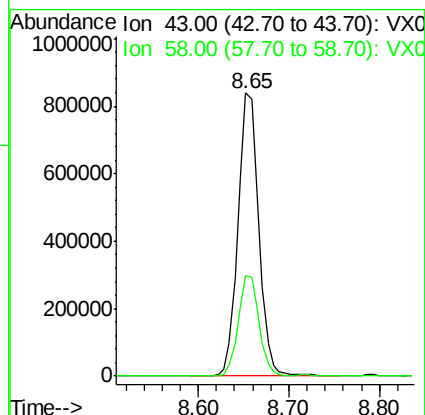
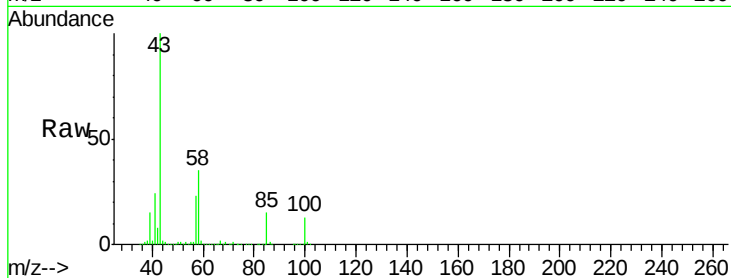




#51
4-Methyl-2-Pentanone
Concen: 235.27 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX002190.D
Acq: 31 May 2018 21:43

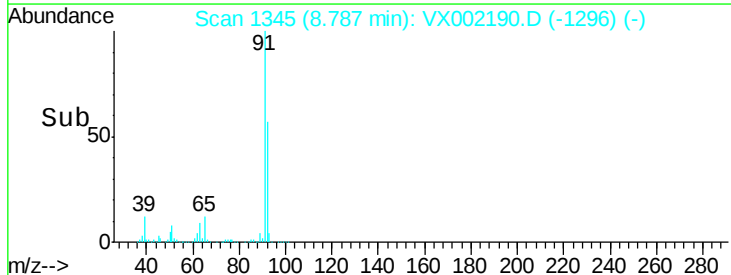
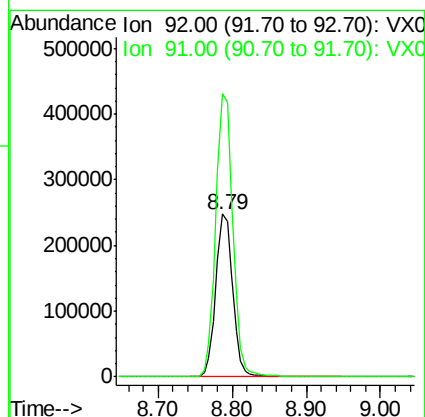
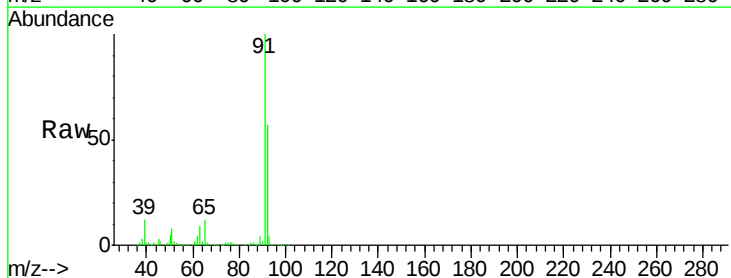
Instrument :
MSVOA_X
ClientSampleId :

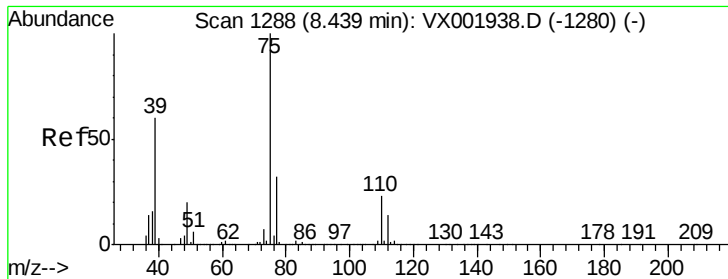
Tot Ion: 43 Resp: 1335450
Ion Ratio Lower Upper
43 100
58 35.5 28.5 42.7



#52
Toluene
Concen: 48.02 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX002190.D
Acq: 31 May 2018 21:43

Tgt Ion: 92 Resp: 388076
Ion Ratio Lower Upper
92 100
91 175.9 139.4 209.2

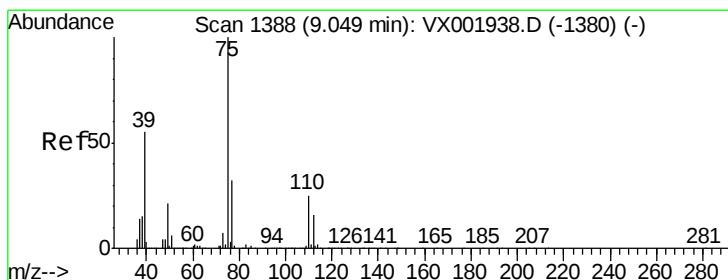
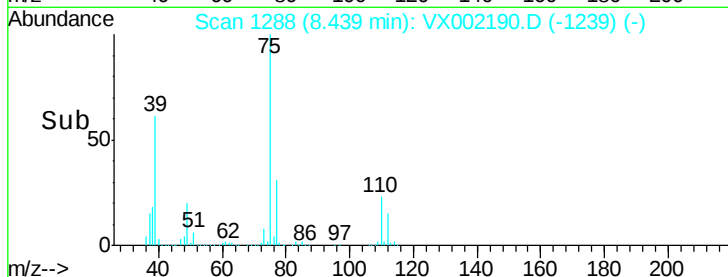
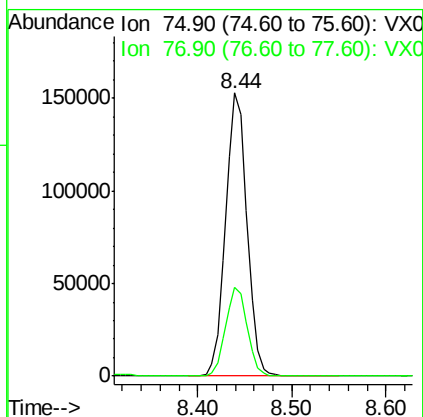
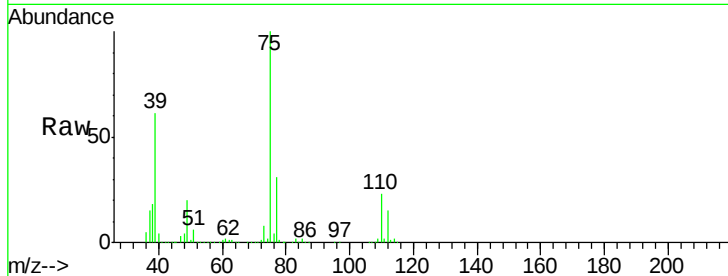




#53
 t-1,3-Dichloropropene
 Concen: 42.87 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX002190.D
 Acq: 31 May 2018 21:43

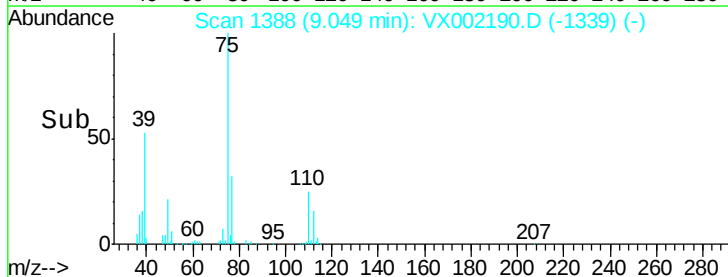
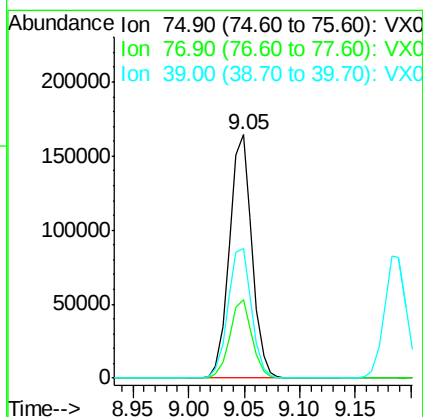
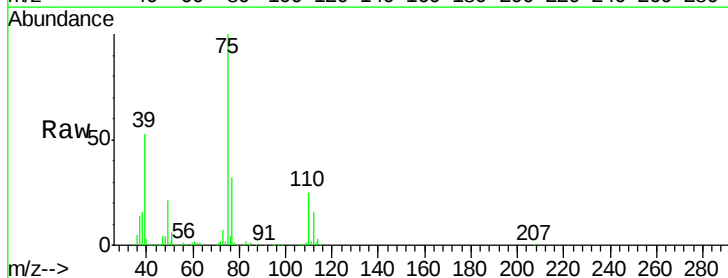
Instrument :
 MSVOA_X
 ClientSampleId :

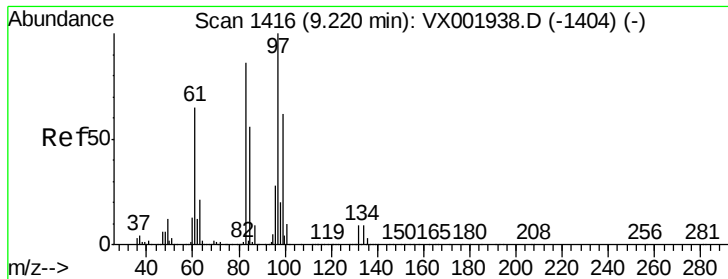
Tot Ion: 75 Resp: 240412
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 42.03 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX002190.D
 Acq: 31 May 2018 21:43

Tgt Ion: 75 Resp: 229683
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.0
 39 53.0 44.1 66.1

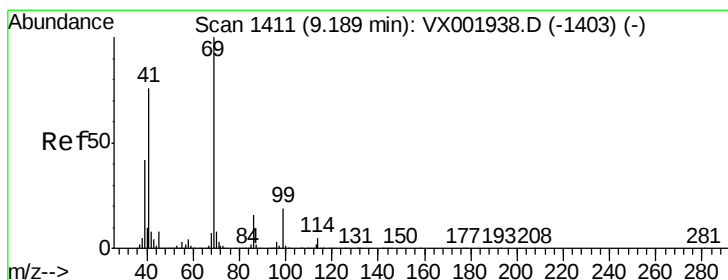
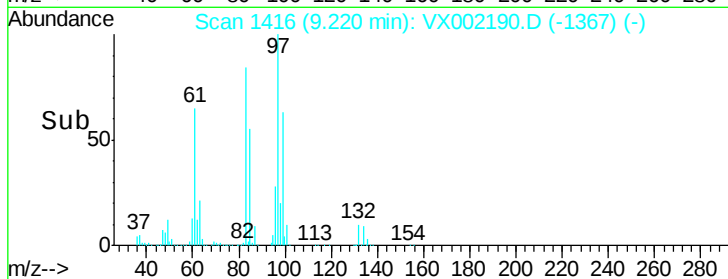
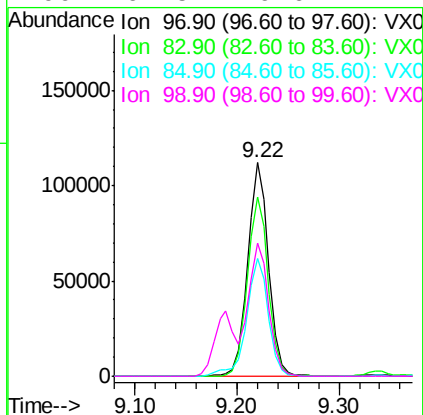
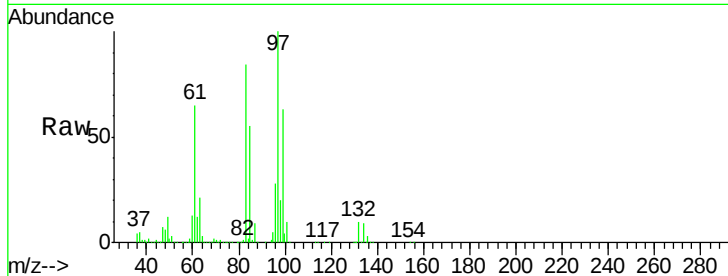




#55
 1,1,2-Trichloroethane
 Concen: 47.09 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002190.D
 Acq: 31 May 2018 21:43

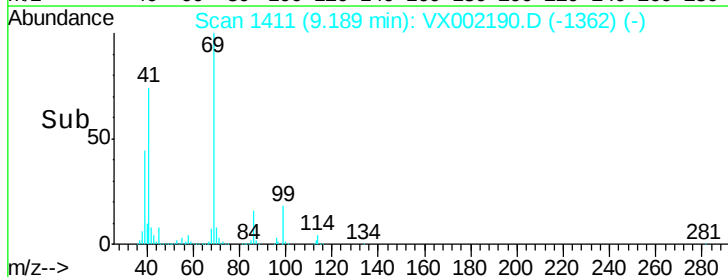
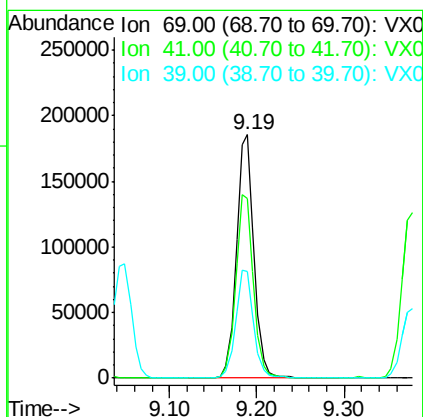
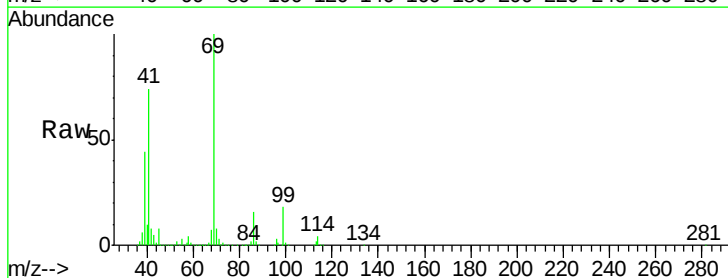
Instrument :
 MSVOA_X
 ClientSampleId :

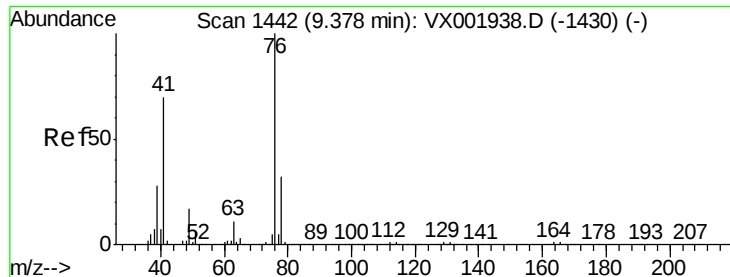
Tot Ion:	97	Resp:	158987
Ion	Ratio	Lower	Upper
97	100		
83	83.6	69.1	103.7
85	55.0	45.2	67.8
99	62.5	49.6	74.4



#56
 Ethyl methacrylate
 Concen: 44.61 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX002190.D
 Acq: 31 May 2018 21:43

Tgt Ion:	69	Resp:	259042
Ion	Ratio	Lower	Upper
69	100		
41	76.0	61.0	91.6
39	45.3	34.4	51.6





#57

1,3-Dichloropropane

Concen: 47.45 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

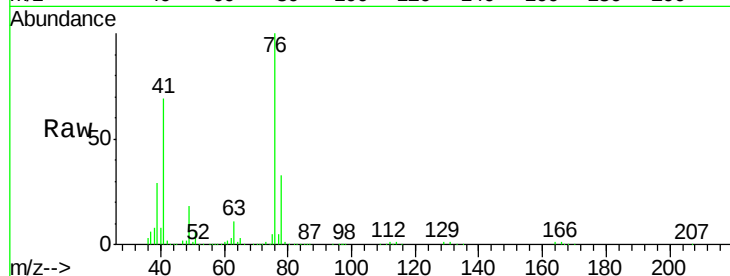
ClientSampleId :

Tot Ion: 76 Resp: 263942

Ion Ratio Lower Upper

76 100

78 32.1 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

200000

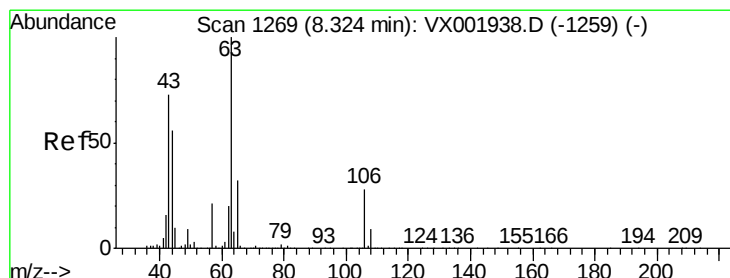
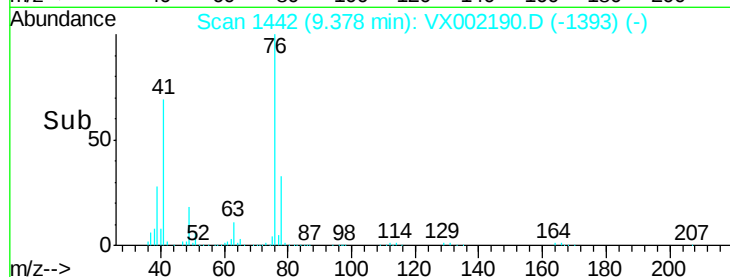
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 223.15 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002190.D

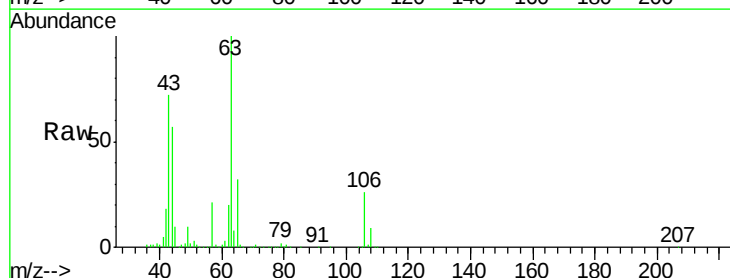
Acq: 31 May 2018 21:43

Tgt Ion: 63 Resp: 574376

Ion Ratio Lower Upper

63 100

106 26.9 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

400000

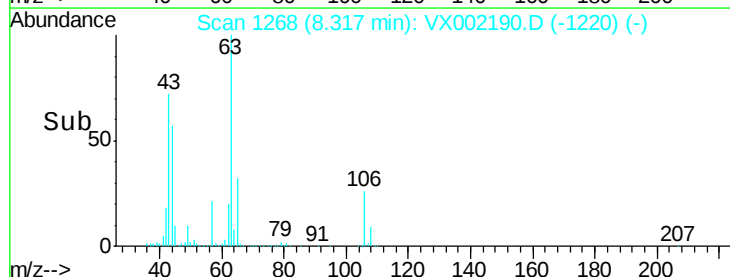
300000

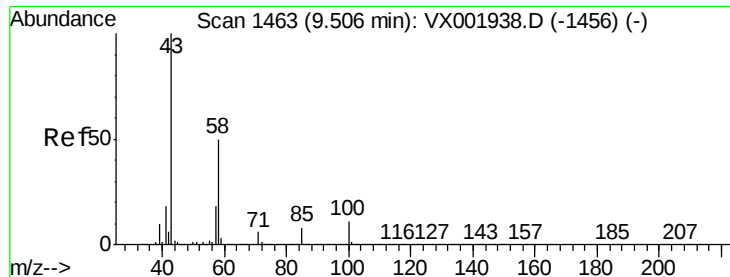
200000

100000

0

Time-->

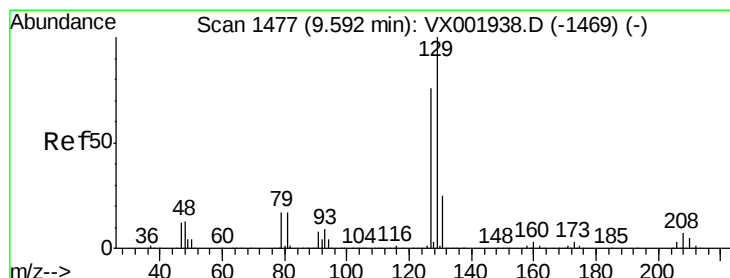
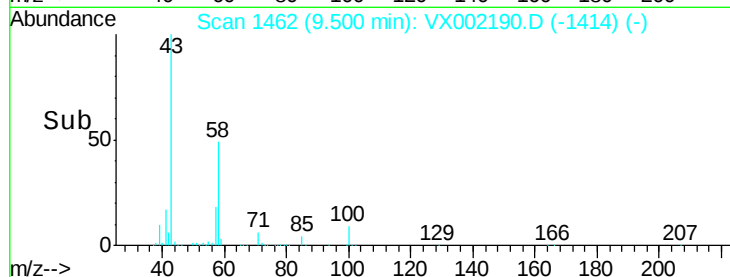
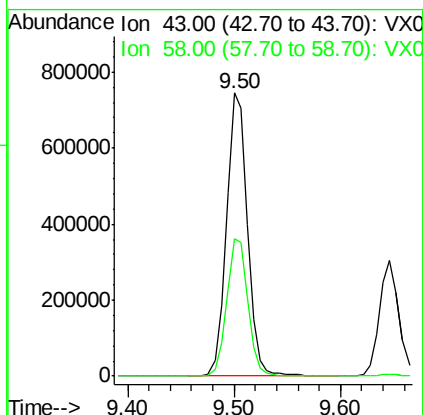
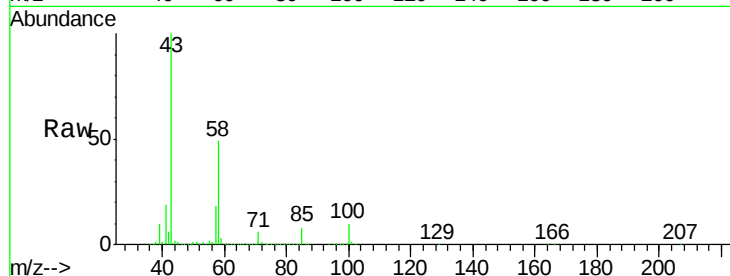




#59
2-Hexanone
Concen: 234.69 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002190.D
Acq: 31 May 2018 21:43

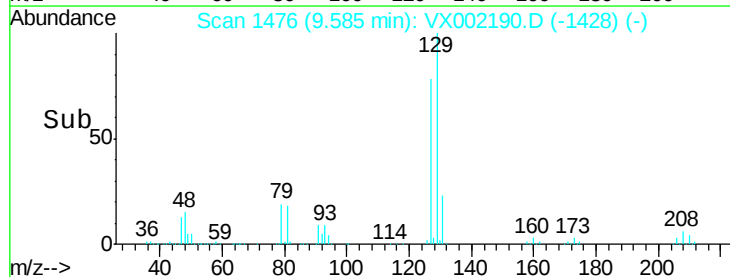
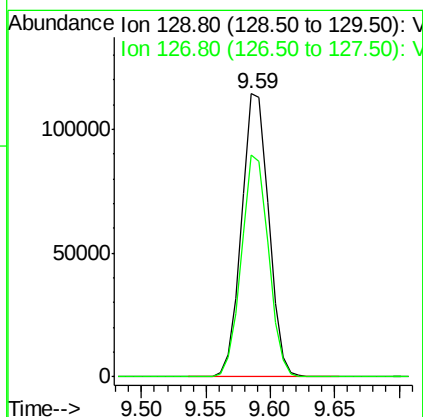
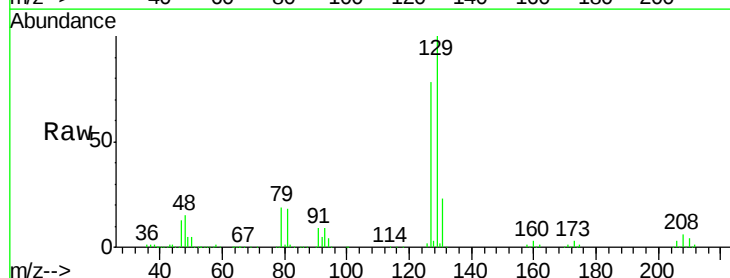
Instrument :
MSVOA_X
ClientSampleId :

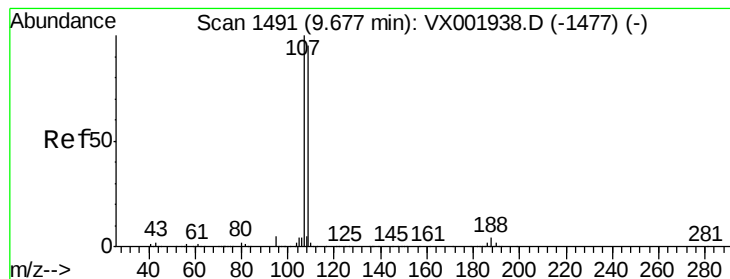
Tot Ion: 43 Resp: 1027184
Ion Ratio Lower Upper
43 100
58 49.3 24.9 74.6



#60
Dibromochloromethane
Concen: 41.74 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002190.D
Acq: 31 May 2018 21:43

Tgt Ion: 129 Resp: 166909
Ion Ratio Lower Upper
129 100
127 77.9 38.3 114.9





#61

1,2-Dibromoethane

Concen: 47.28 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

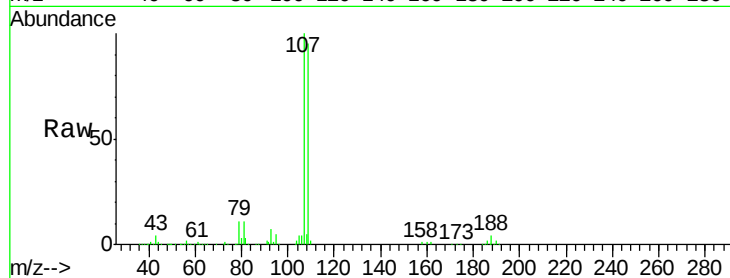
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:107 Resp: 167497

Ion Ratio Lower Upper

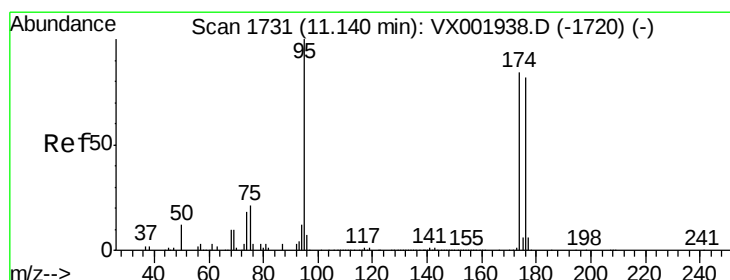
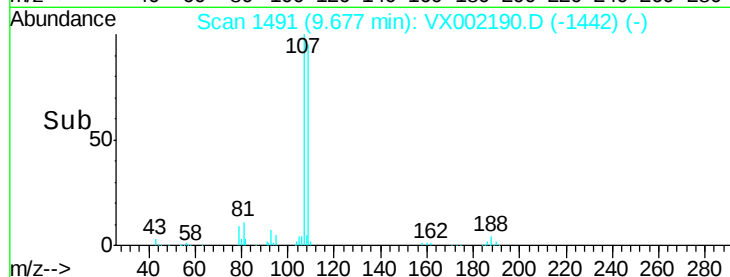
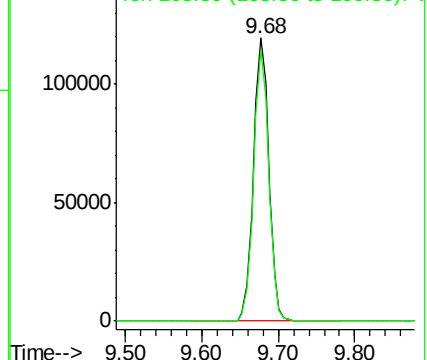
107 100

109 94.2 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 43.67 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

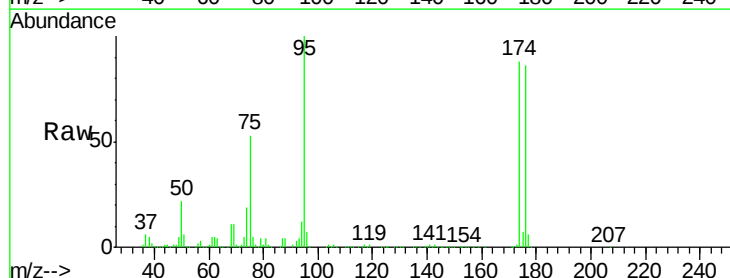
Tgt Ion: 95 Resp: 192794

Ion Ratio Lower Upper

95 100

174 92.3 0.0 178.8

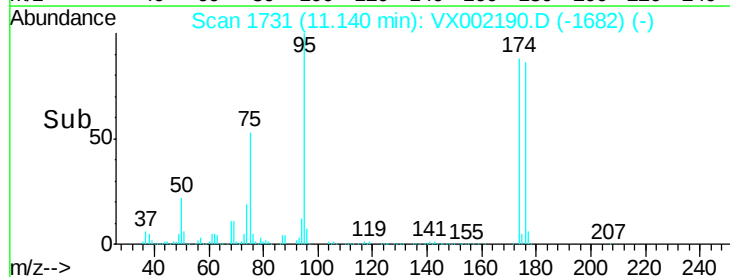
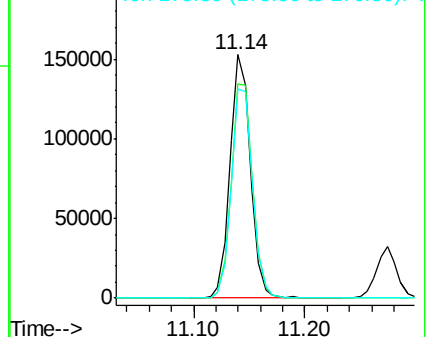
176 89.8 0.0 175.6

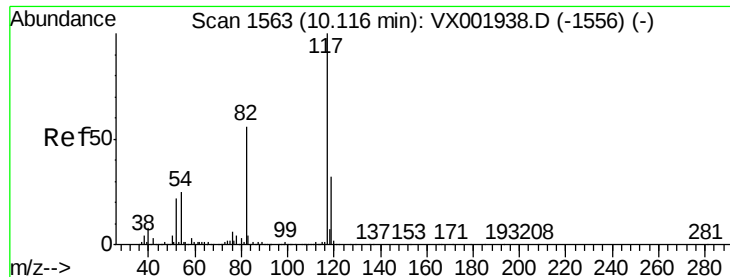


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

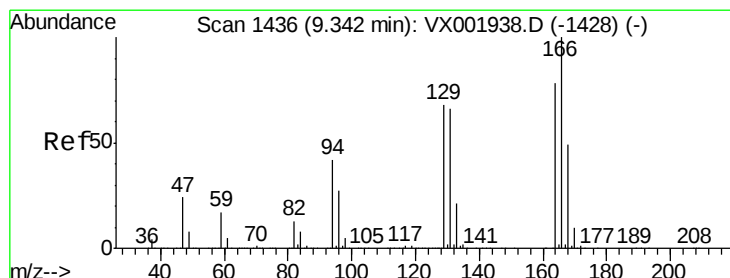
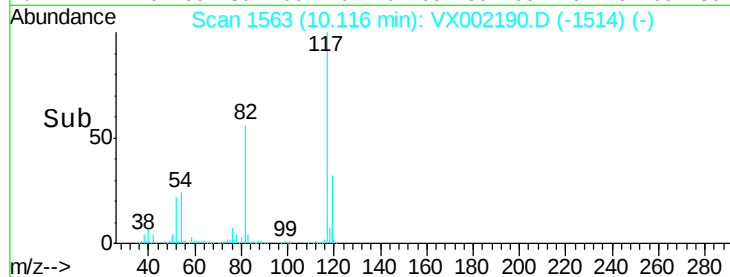
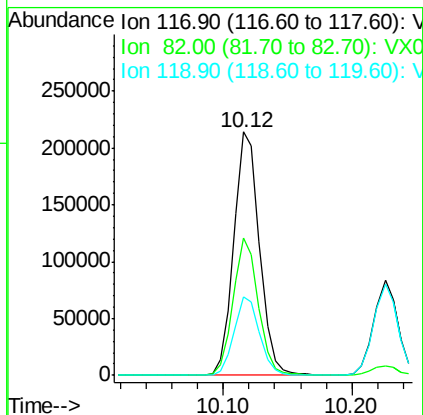
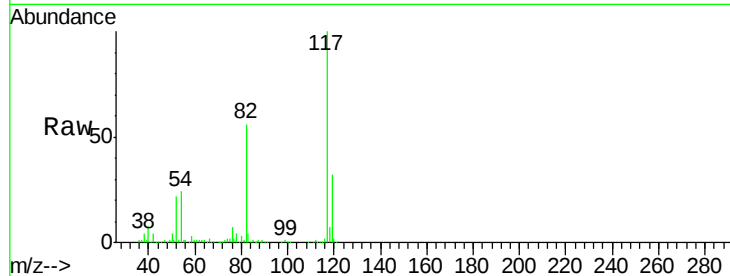




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002190.D
Acq: 31 May 2018 21:43

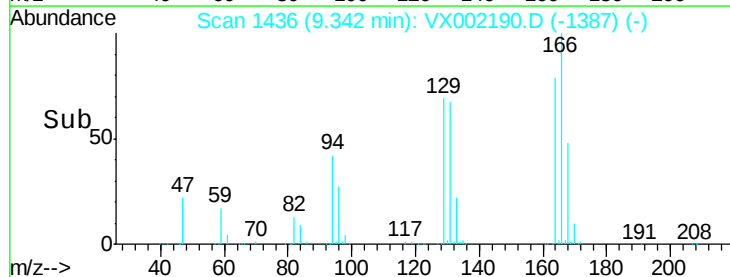
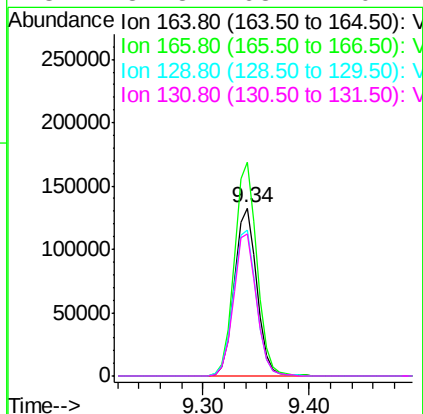
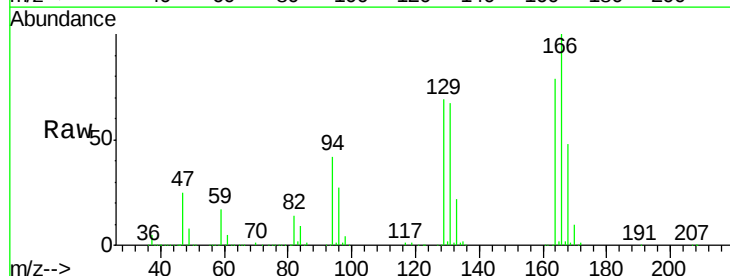
Instrument :
MSVOA_X
ClientSampleId :

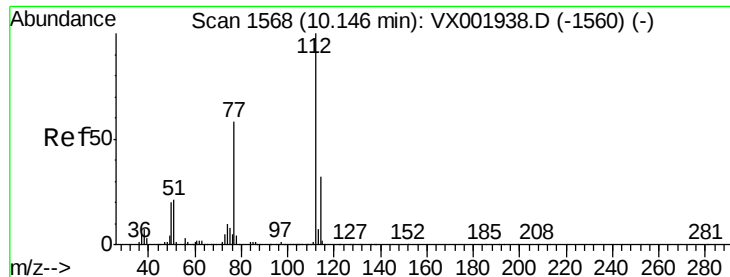
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.8	67.2
119	32.1	25.5	38.3



#64
Tetrachloroethene
Concen: 45.93 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002190.D
Acq: 31 May 2018 21:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	102.7	154.1
129	87.1	70.3	105.5
131	84.8	68.2	102.4





#65

Chlorobenzene

Concen: 46.30 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

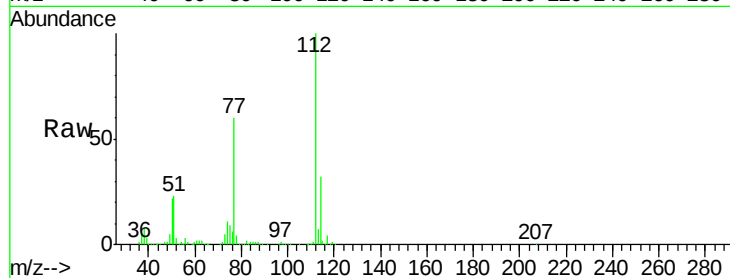
ClientSampleId :

Tot Ion:112 Resp: 438803

Ion Ratio Lower Upper

112 100

114 32.2 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

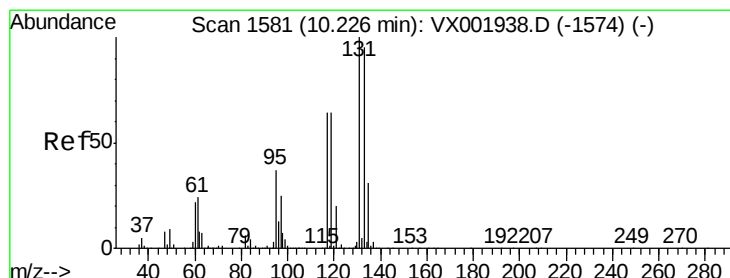
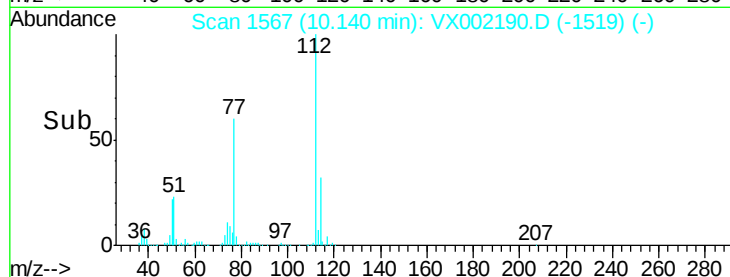
300000

200000

100000

0

Time--> 10.00 10.20



#66

1,1,1,2-Tetrachloroethane

Concen: 43.30 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

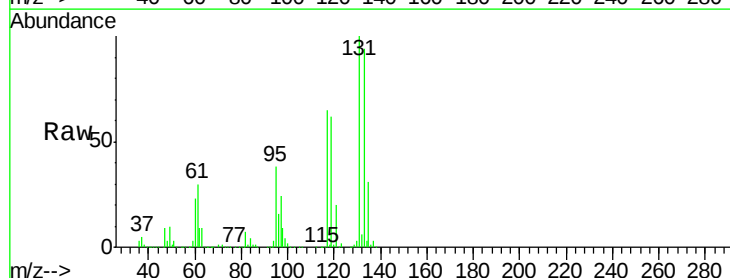
Tgt Ion:131 Resp: 165691

Ion Ratio Lower Upper

131 100

133 95.0 48.0 144.0

119 62.9 31.9 95.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

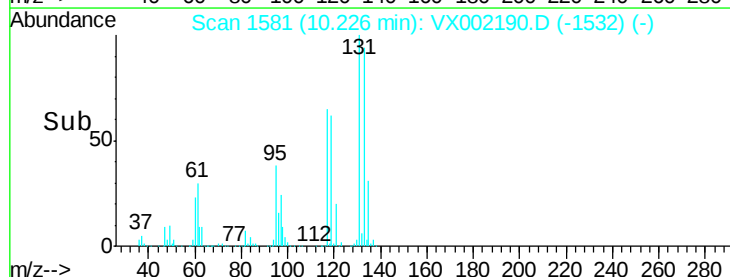
150000

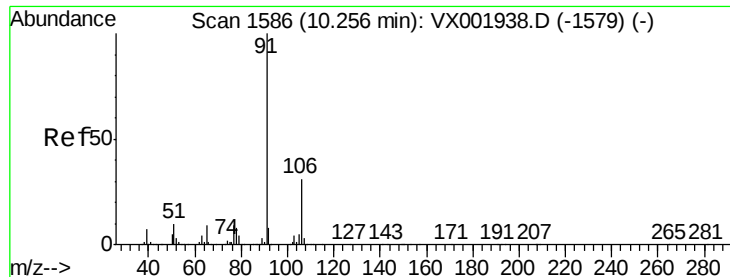
100000

50000

0

Time--> 10.15 10.20 10.25 10.30





#67

Ethyl Benzene

Concen: 47.01 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

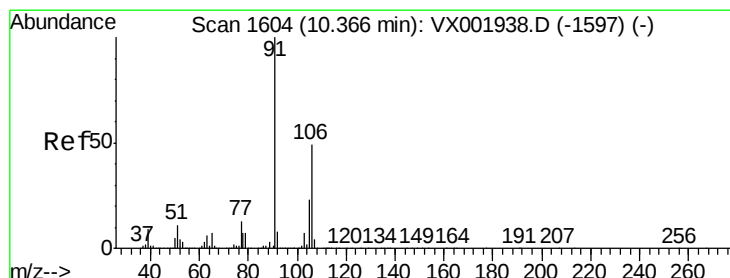
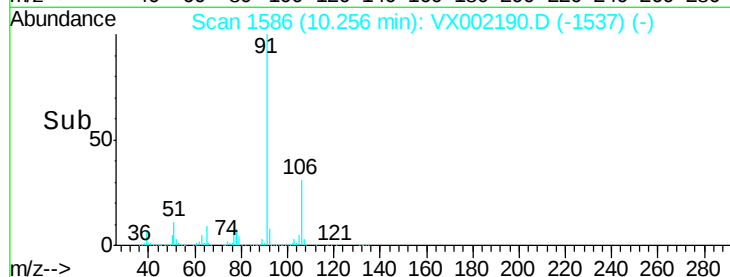
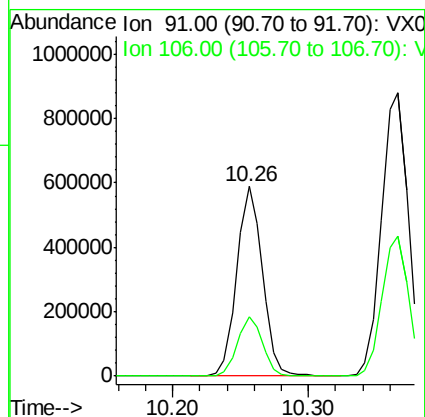
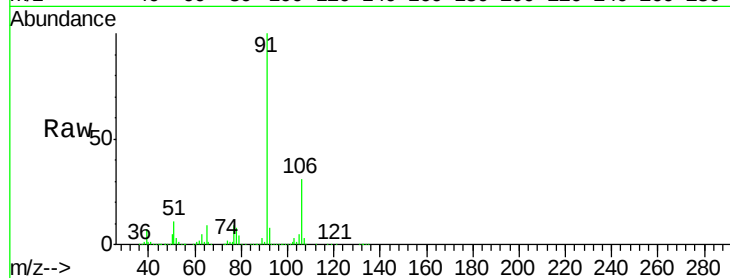
ClientSampled :

Tot Ion: 91 Resp: 773992

Ion Ratio Lower Upper

91 100

106 31.0 25.0 37.6



#68

m/p-Xylenes

Concen: 95.02 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX002190.D

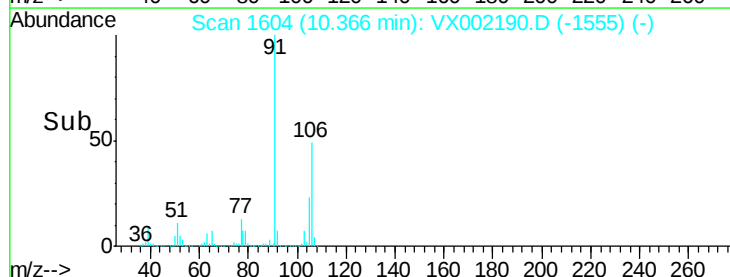
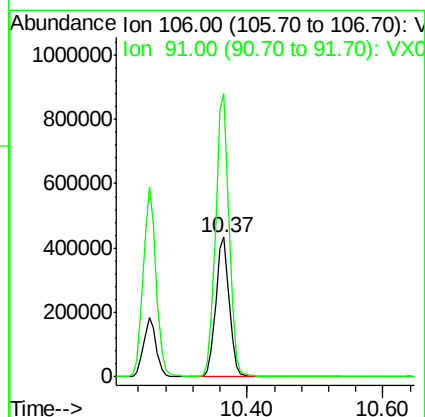
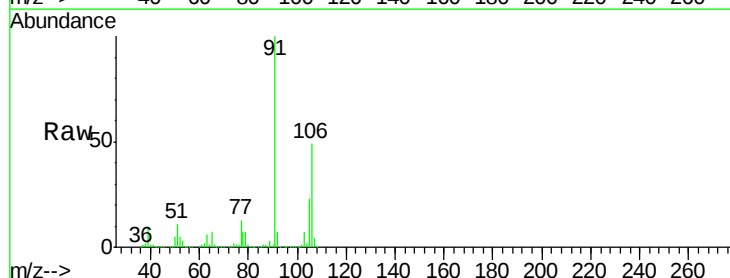
Acq: 31 May 2018 21:43

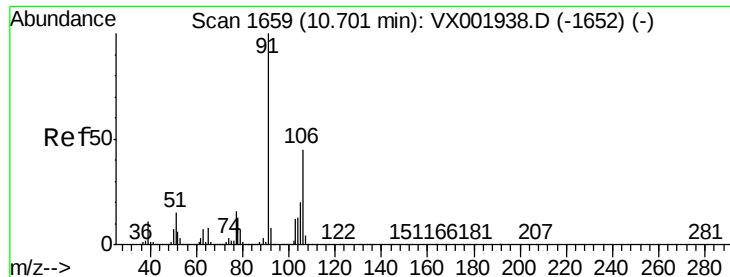
Tgt Ion: 106 Resp: 598059

Ion Ratio Lower Upper

106 100

91 203.5 165.0 247.6

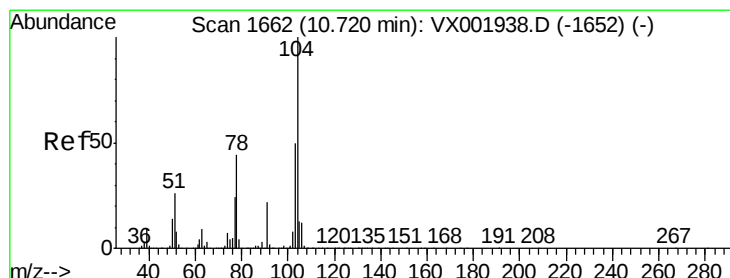
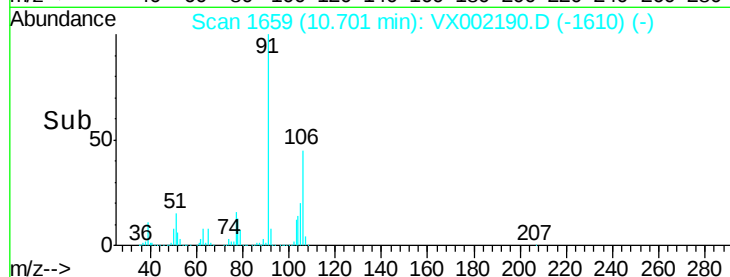
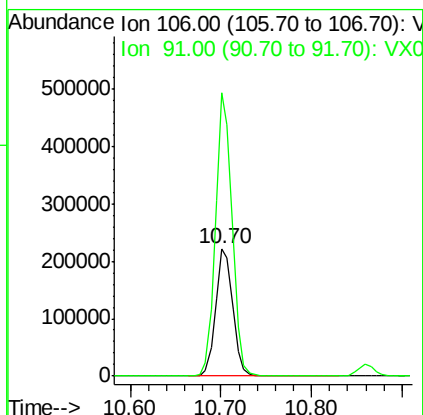
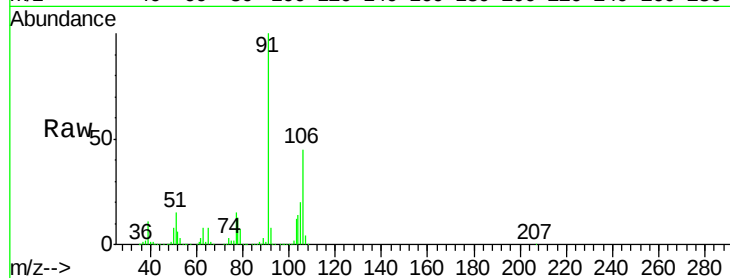




#69
o-Xylene
Concen: 46.63 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002190.D
Acq: 31 May 2018 21:43

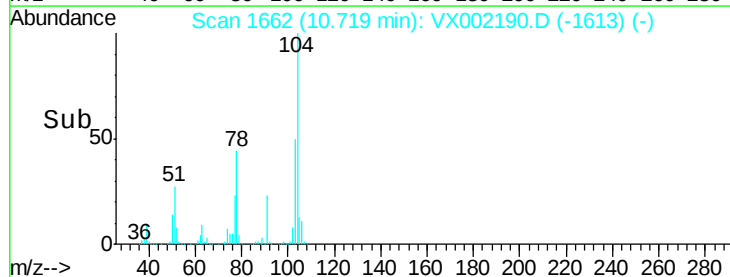
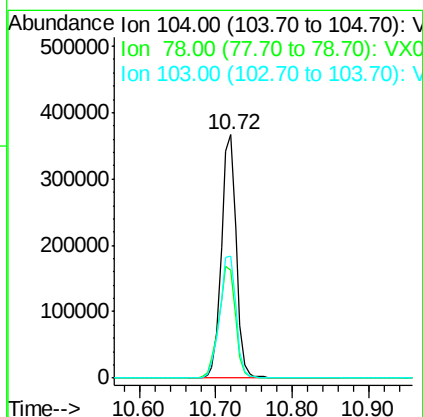
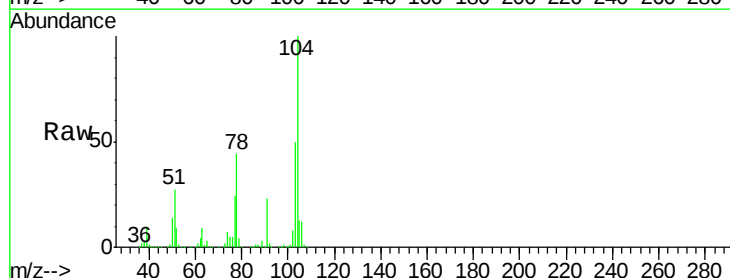
Instrument :
MSVOA_X
ClientSampled :

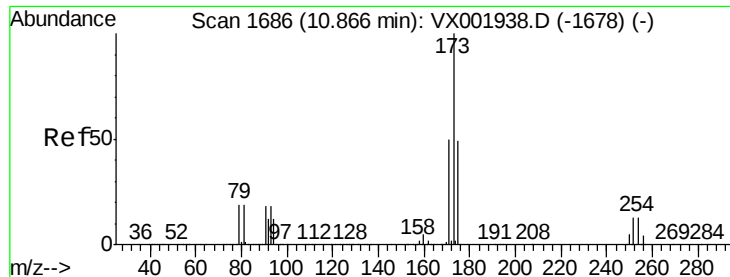
Tot Ion:106 Resp: 293042
Ion Ratio Lower Upper
106 100
91 217.6 108.7 325.9



#70
Styrene
Concen: 46.99 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX002190.D
Acq: 31 May 2018 21:43

Tgt Ion:104 Resp: 489767
Ion Ratio Lower Upper
104 100
78 52.0 41.8 62.6
103 55.6 44.6 67.0





#71

Bromoform

Concen: 36.10 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

ClientSampleId :

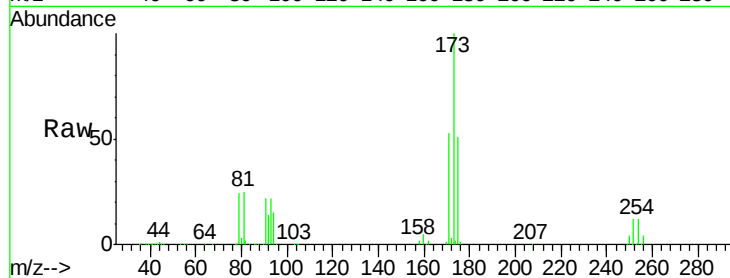
Tot Ion:173 Resp: 130975

Ion Ratio Lower Upper

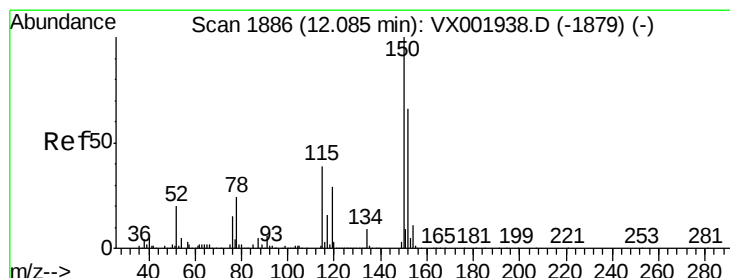
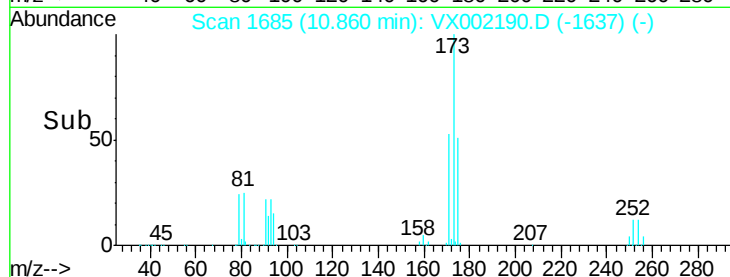
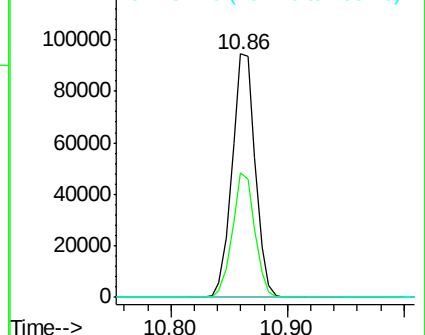
173 100

175 49.4 24.3 72.9

254 0.2 0.1 0.1#



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: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

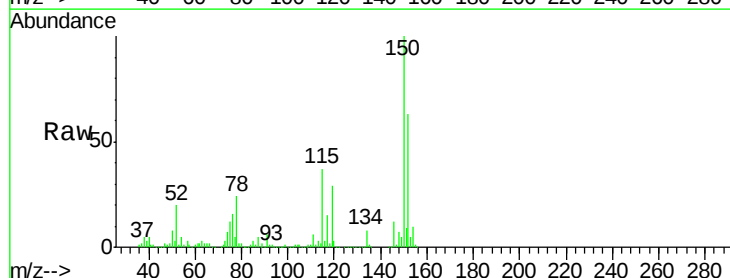
Tgt Ion:152 Resp: 203988

Ion Ratio Lower Upper

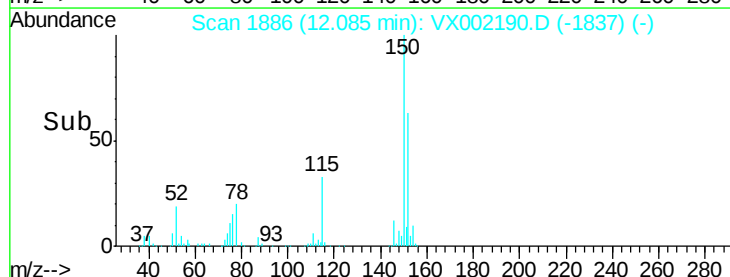
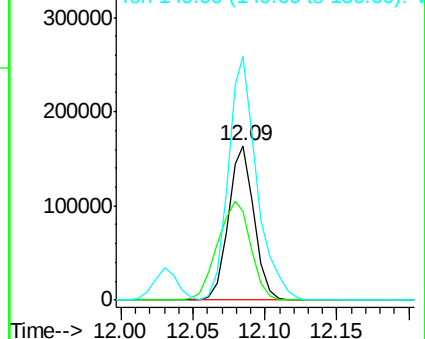
152 100

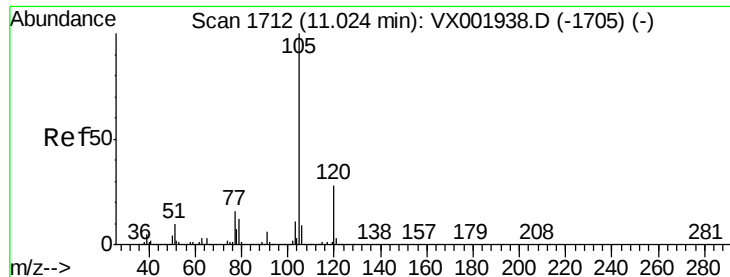
115 82.7 42.3 126.8

150 176.0 0.0 351.0



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: 46.09 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

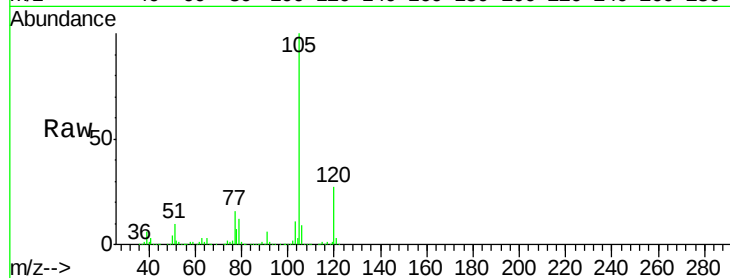
ClientSampleId :

Tot Ion:105 Resp: 796188

Ion Ratio Lower Upper

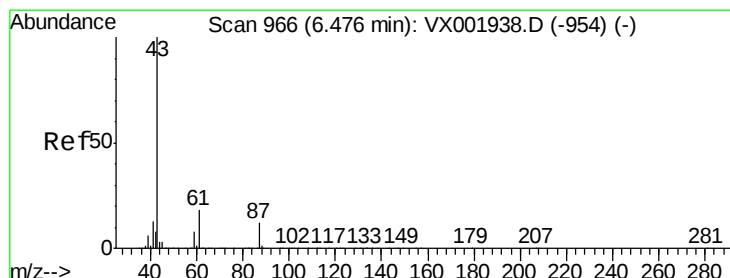
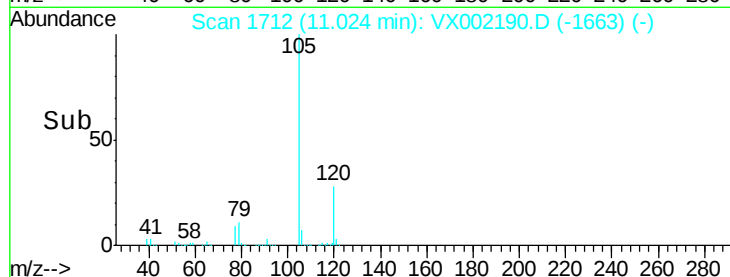
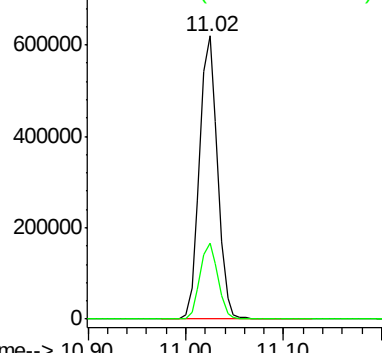
105 100

120 26.8 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.16 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Tgt Ion: 43 Resp: 415798

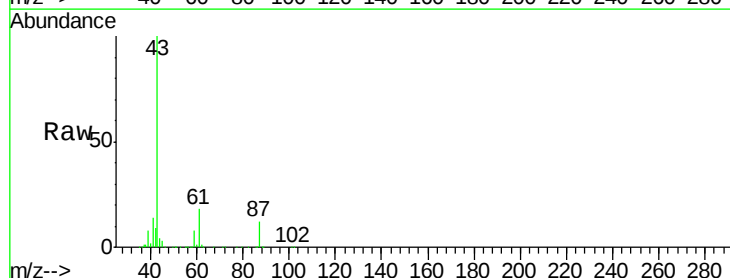
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 0.0 0.1 0.1#

61 17.9 14.5 21.7

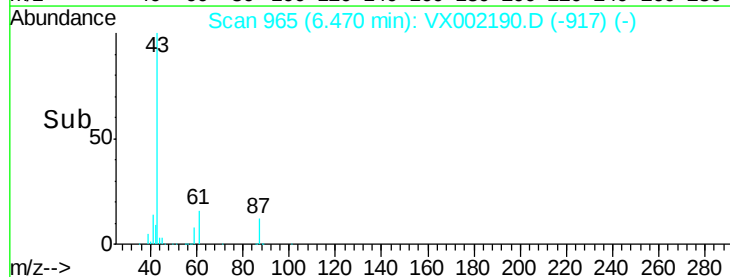
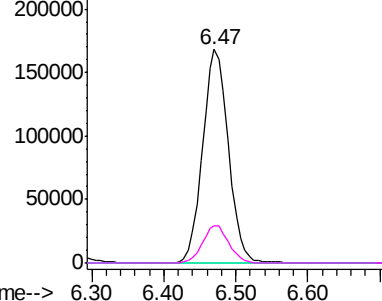


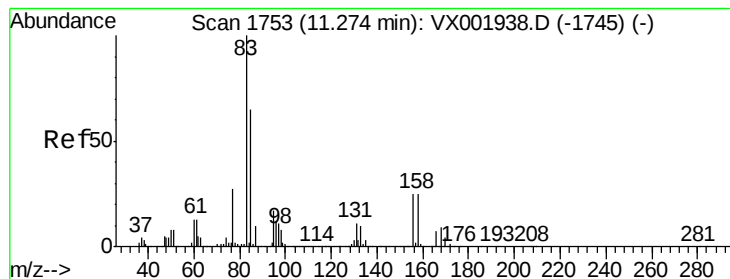
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 50.01 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

ClientSampleId :

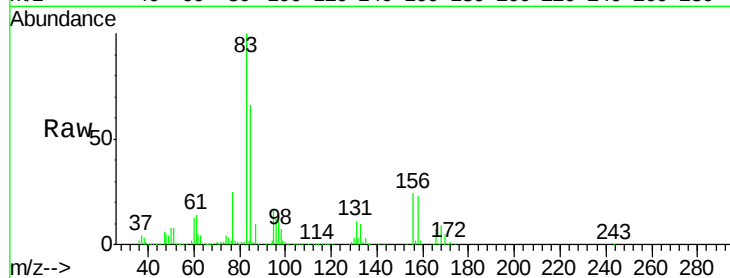
Tot Ion: 83 Resp: 236288

Ion Ratio Lower Upper

83 100

131 11.0 5.7 17.0

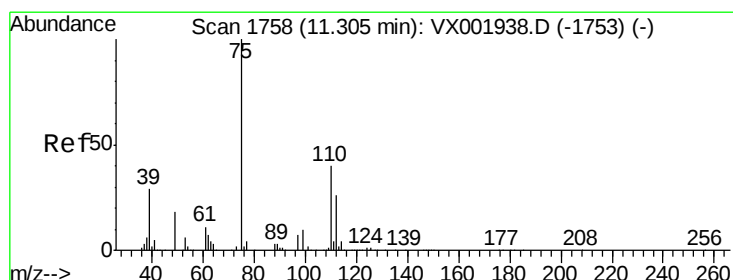
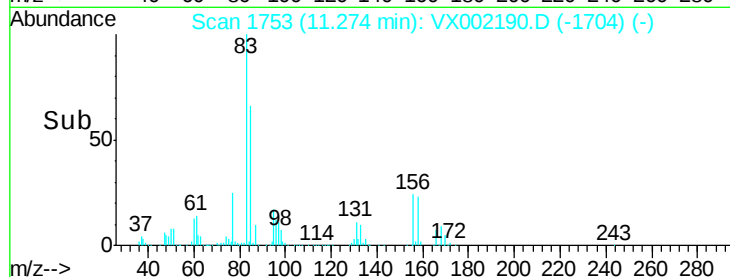
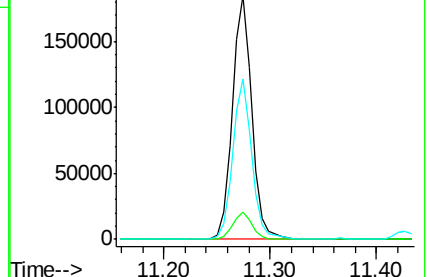
85 64.5 32.6 97.7



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: 59.30 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX002190.D

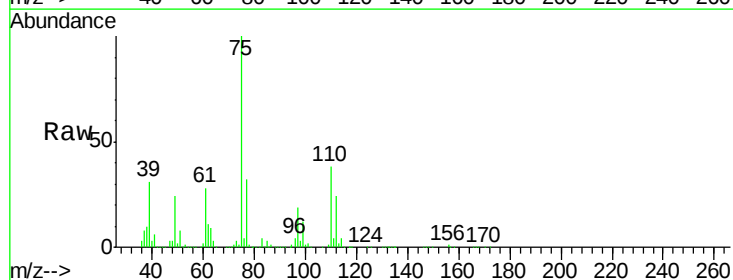
Acq: 31 May 2018 21:43

Tgt Ion: 75 Resp: 290572

Ion Ratio Lower Upper

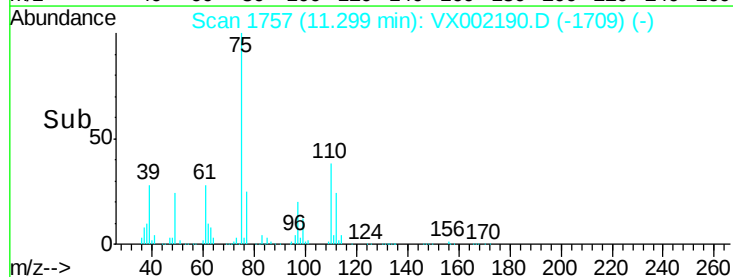
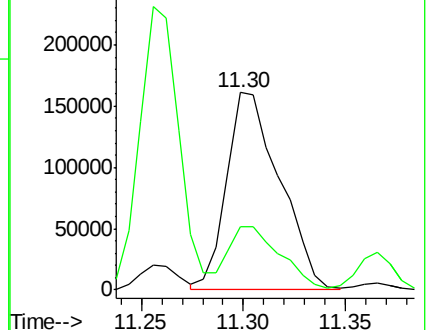
75 100

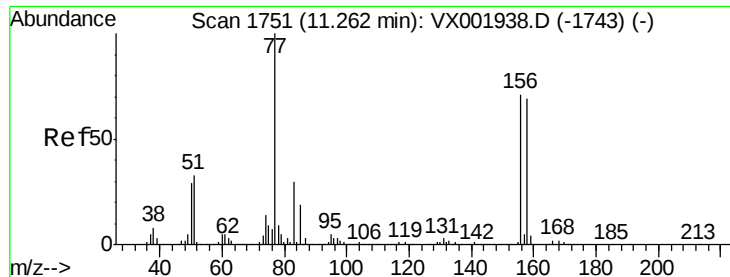
77 30.9 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 46.25 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

ClientSampled :

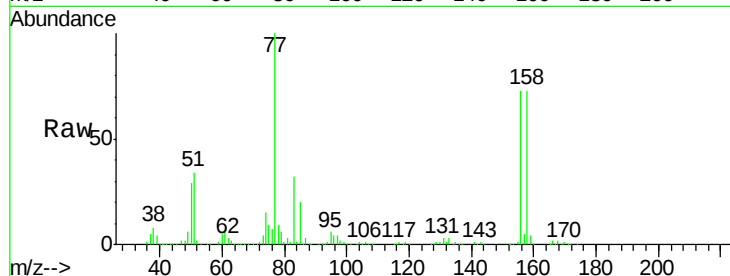
Tot Ion:156 Resp: 211985

Ion Ratio Lower Upper

156 100

77 144.6 75.2 225.6

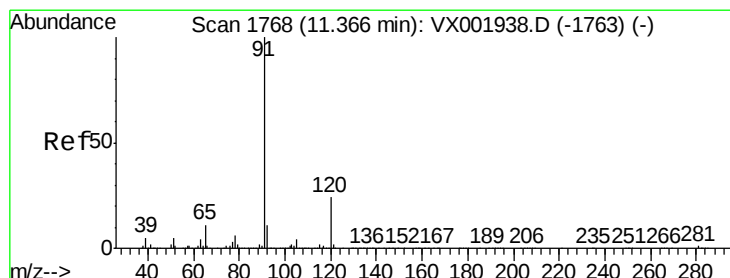
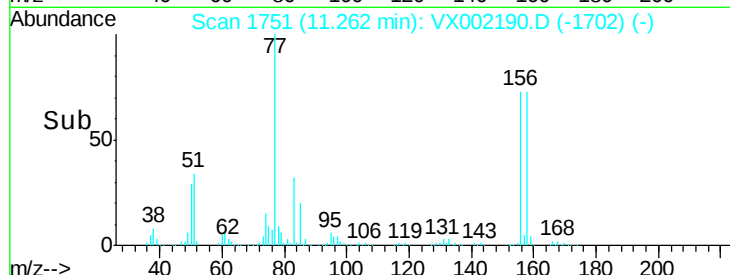
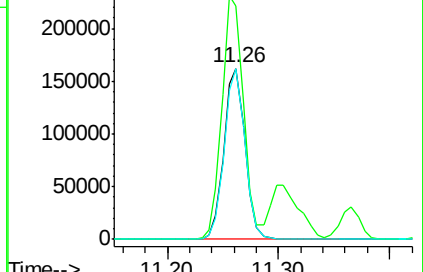
158 97.9 48.6 145.8



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: 46.83 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002190.D

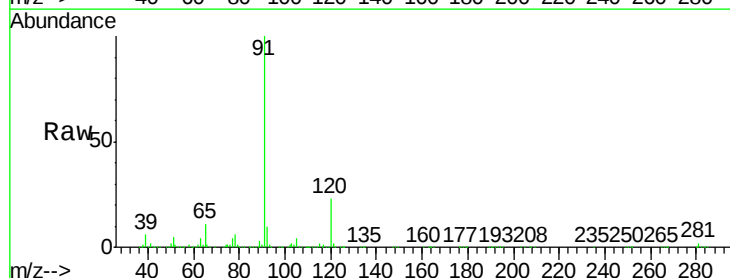
Acq: 31 May 2018 21:43

Tgt Ion: 91 Resp: 906029

Ion Ratio Lower Upper

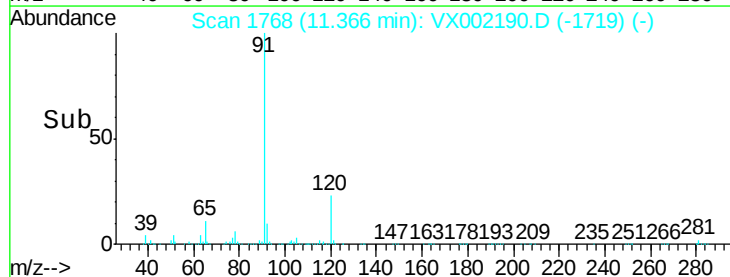
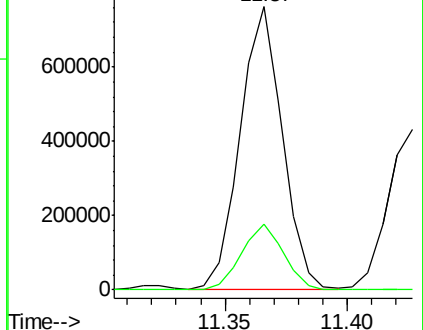
91 100

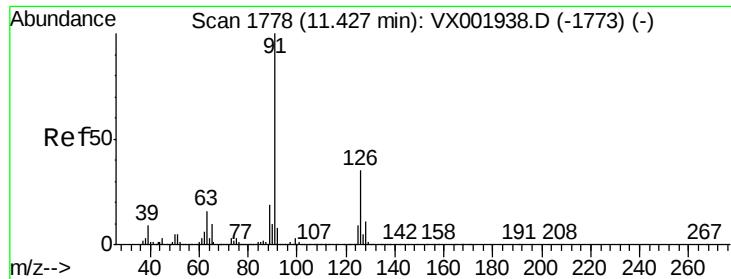
120 23.5 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.86 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

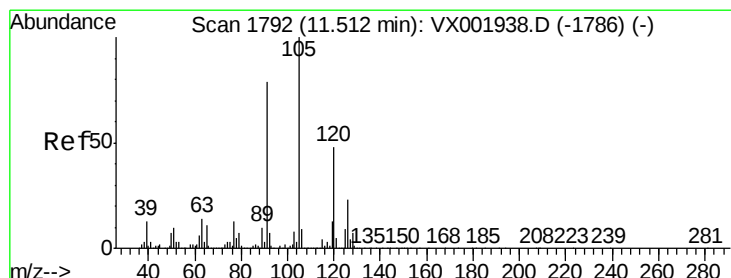
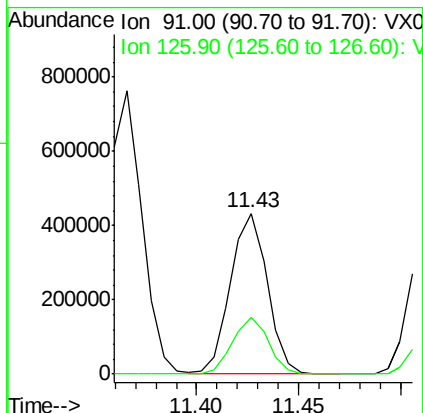
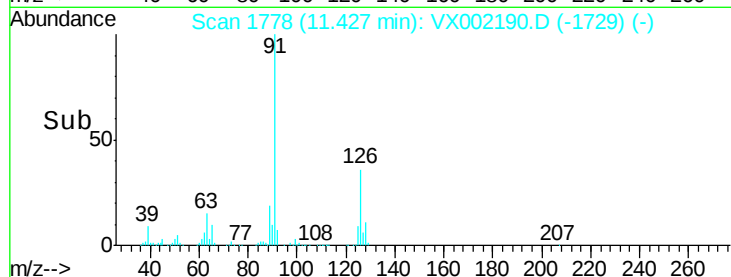
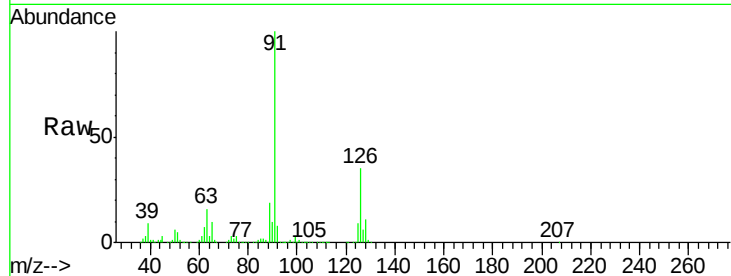
ClientSampleId :

Tot Ion: 91 Resp: 539355

Ion Ratio Lower Upper

91 100

126 35.0 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 46.12 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002190.D

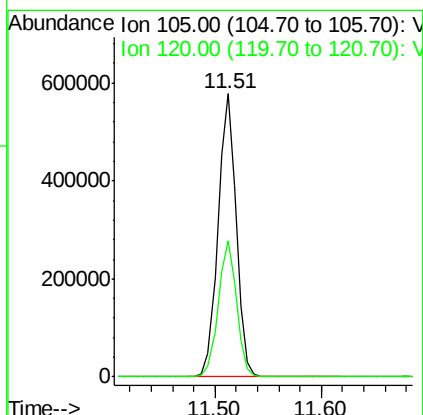
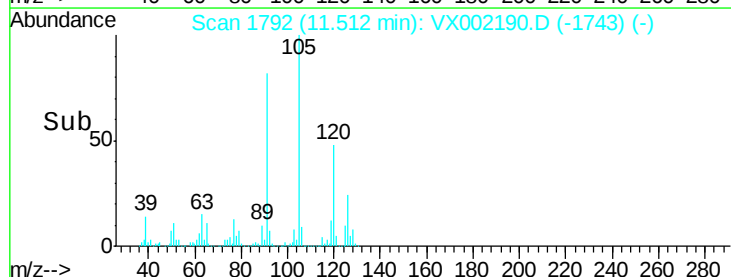
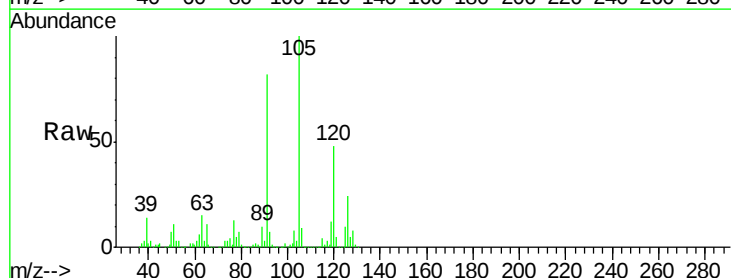
Acq: 31 May 2018 21:43

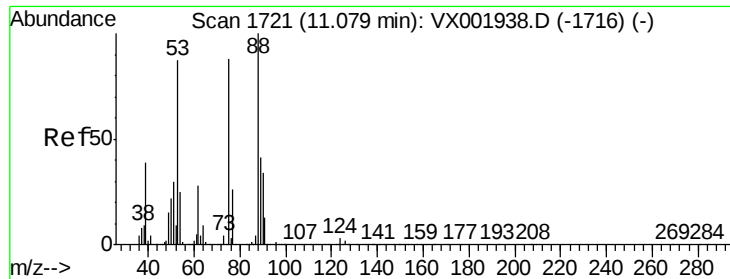
Tgt Ion:105 Resp: 680826

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 33.99 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

ClientSampled :

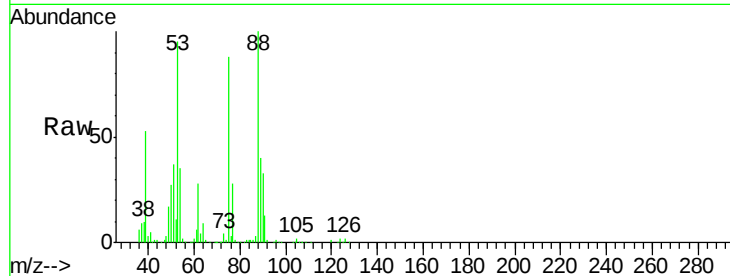
Tot Ion: 75 Resp: 69291

Ion Ratio Lower Upper

75 100

53 110.1 78.0 117.0

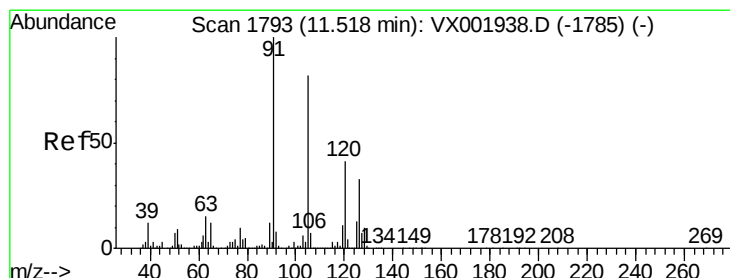
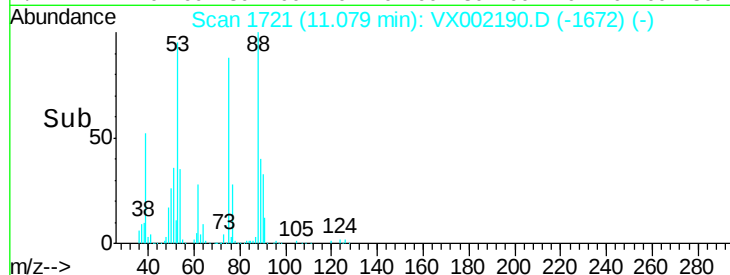
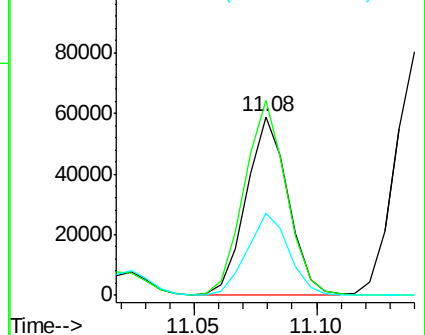
89 46.1 39.4 59.2



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: 46.31 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VX002190.D

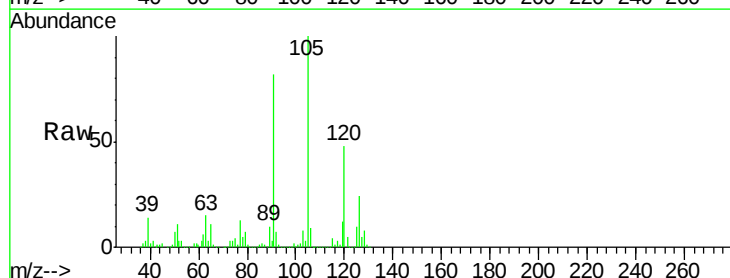
Acq: 31 May 2018 21:43

Tgt Ion: 91 Resp: 631893

Ion Ratio Lower Upper

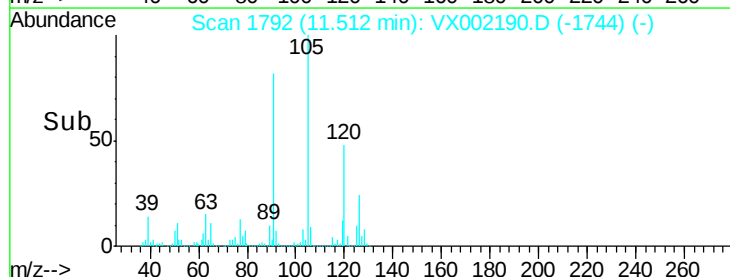
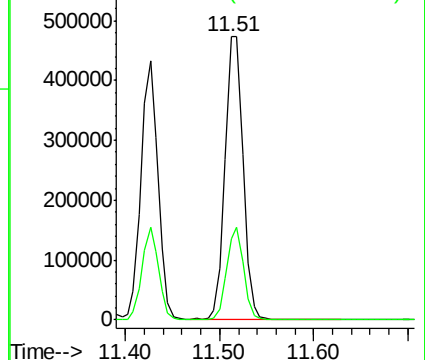
91 100

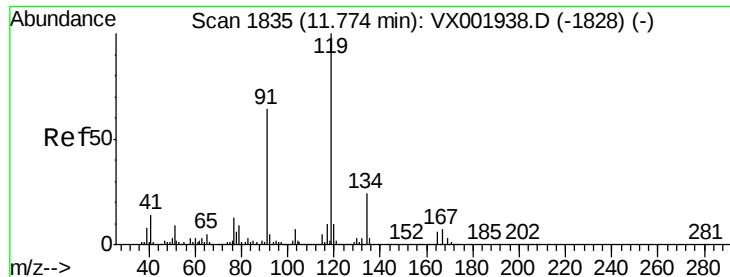
126 30.5 15.3 45.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 45.19 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

ClientSampleId :

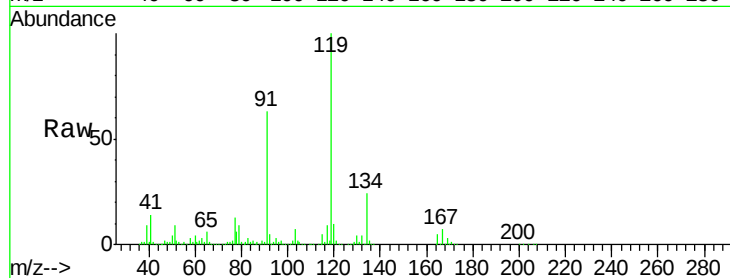
Tot Ion:119 Resp: 654690

Ion Ratio Lower Upper

119 100

91 61.0 30.6 91.8

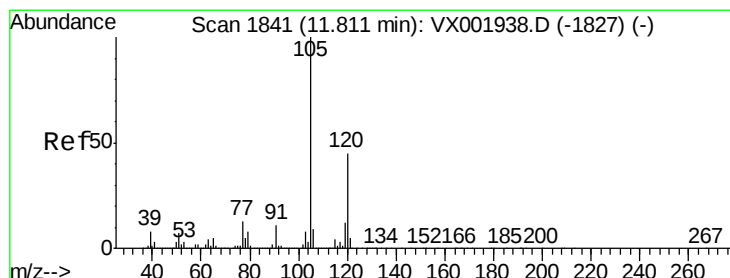
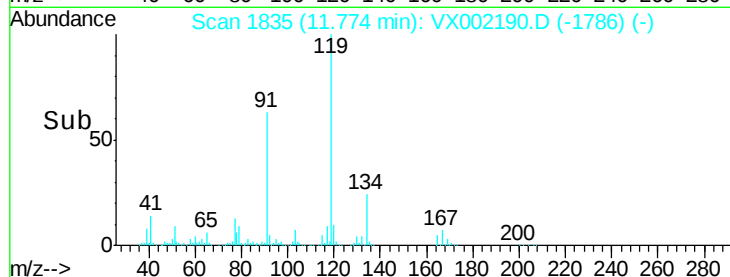
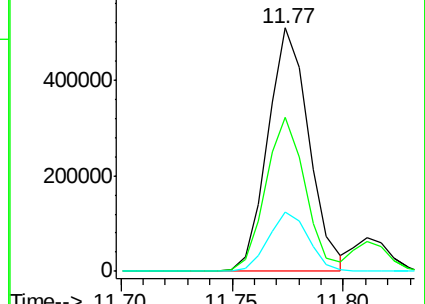
134 23.9 11.7 35.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 45.93 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX002190.D

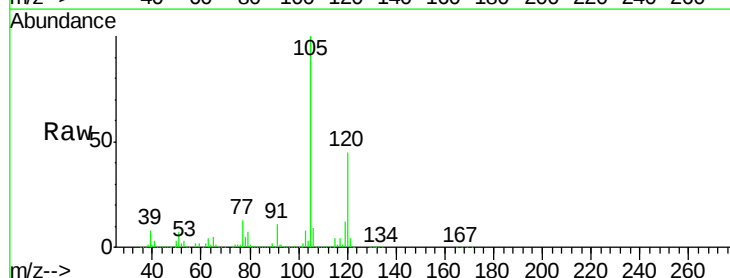
Acq: 31 May 2018 21:43

Tgt Ion:105 Resp: 700593

Ion Ratio Lower Upper

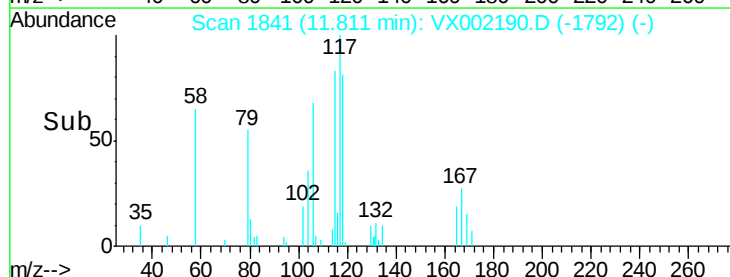
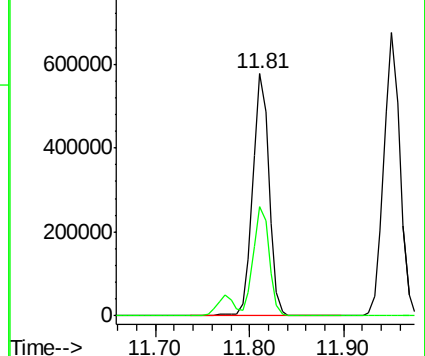
105 100

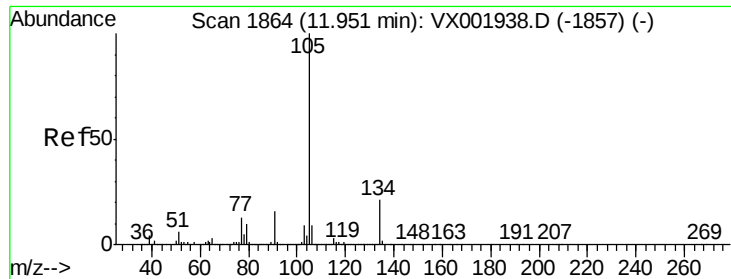
120 44.2 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 46.31 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

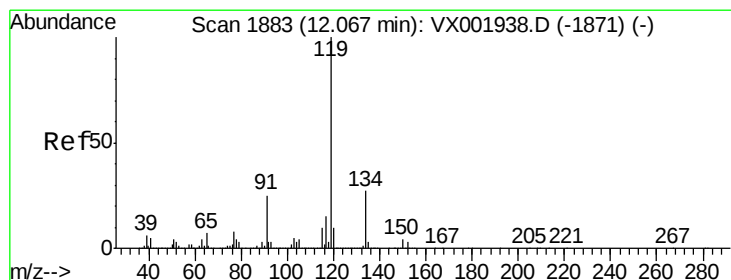
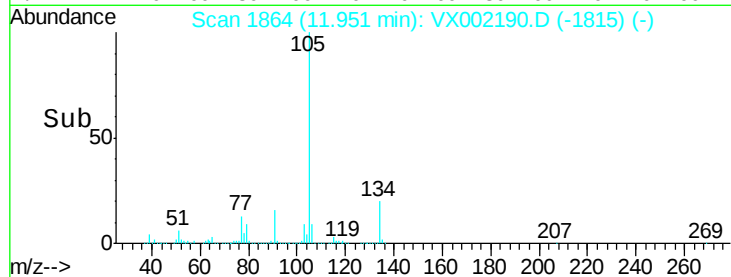
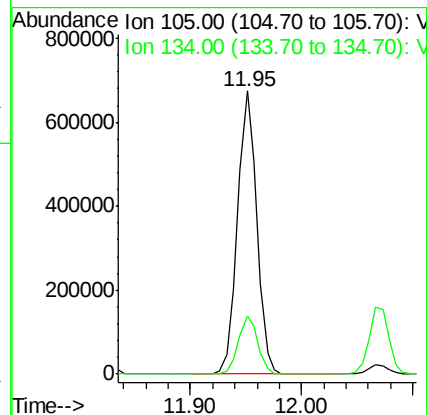
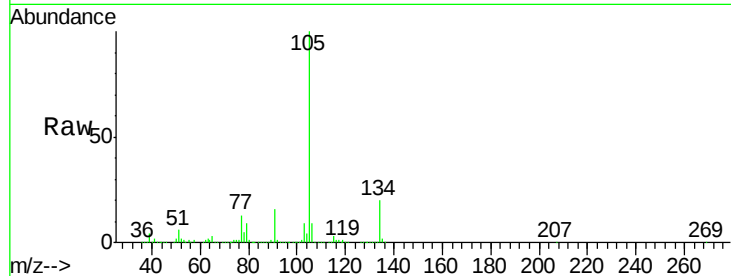
ClientSampleId :

Tot Ion:105 Resp: 806487

Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.4



#86

p-Isopropyltoluene

Concen: 47.03 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

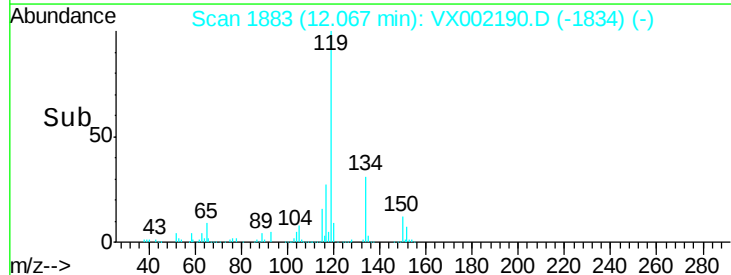
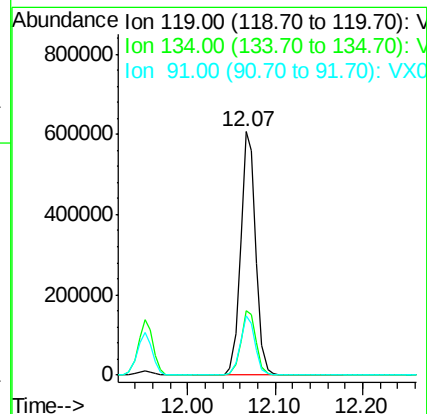
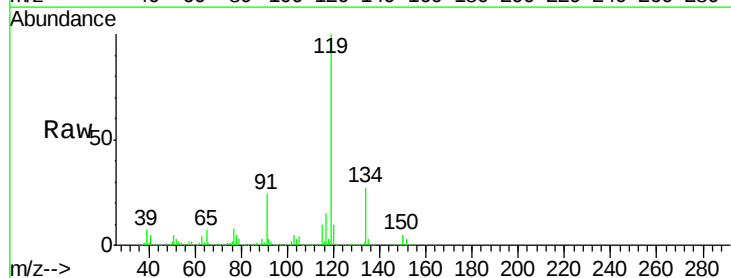
Tgt Ion:119 Resp: 732817

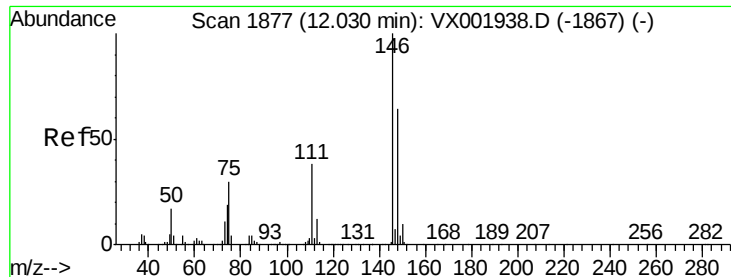
Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

91 23.8 12.2 36.4

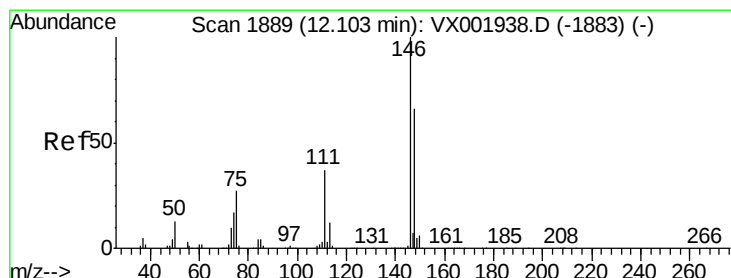
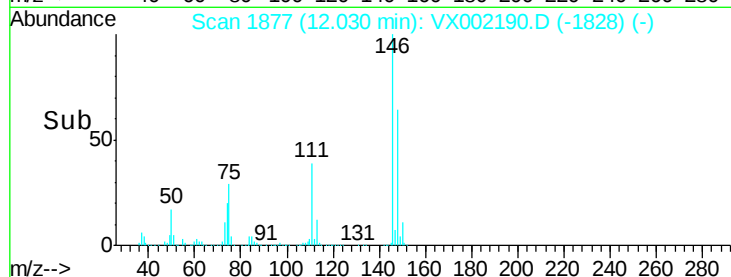
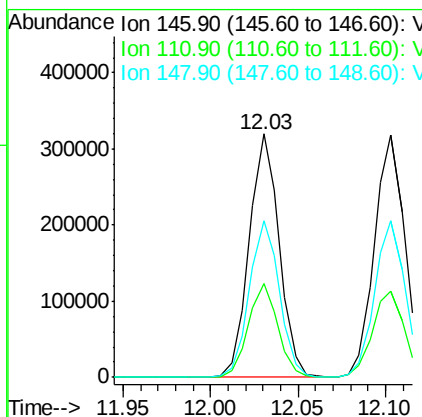
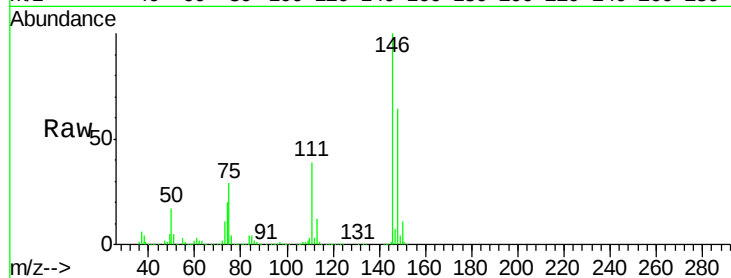




#87
 1,3-Dichlorobenzene
 Concen: 46.41 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002190.D
 Acq: 31 May 2018 21:43

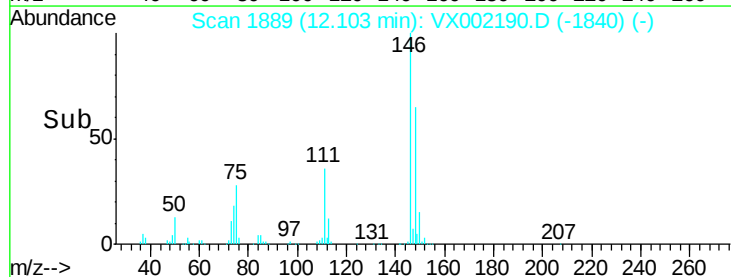
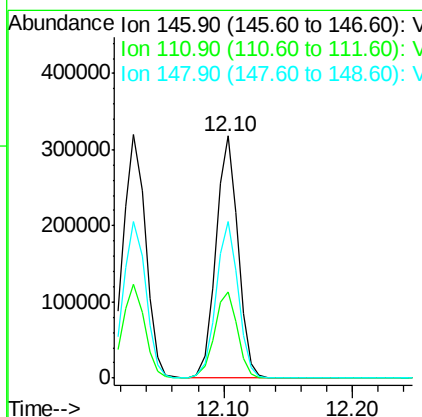
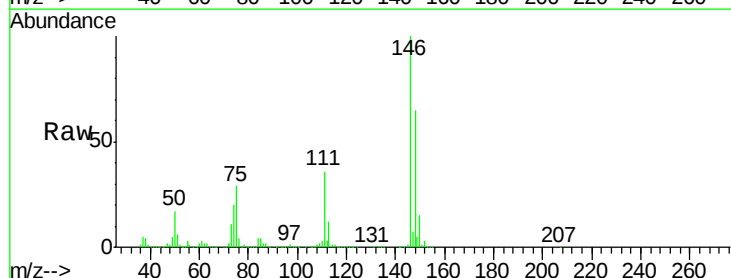
Instrument :
 MSVOA_X
 ClientSampleId :

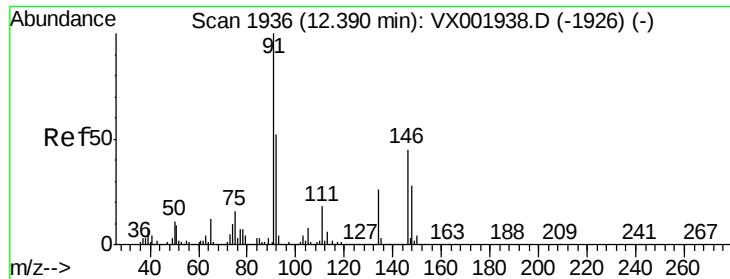
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.8
148	64.5	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 46.93 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002190.D
 Acq: 31 May 2018 21:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.5
148	64.6	32.3	96.8





#89

n-Butylbenzene

Concen: 47.32 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

ClientSampleId :

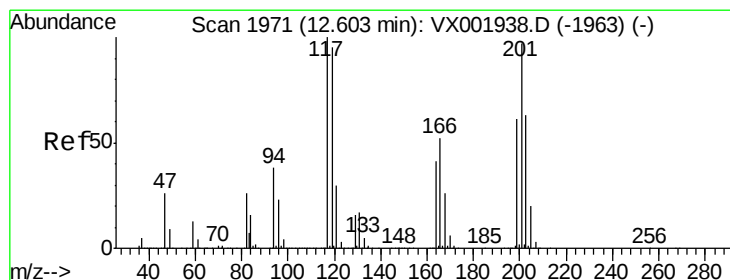
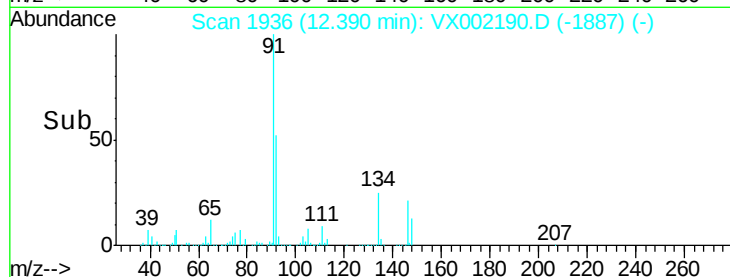
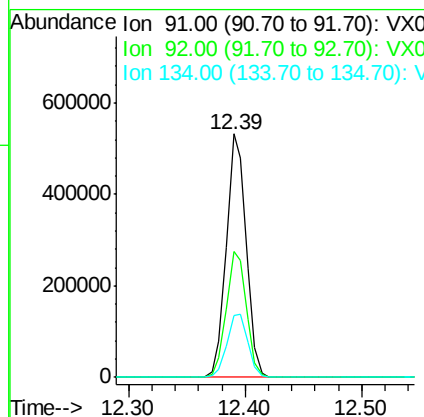
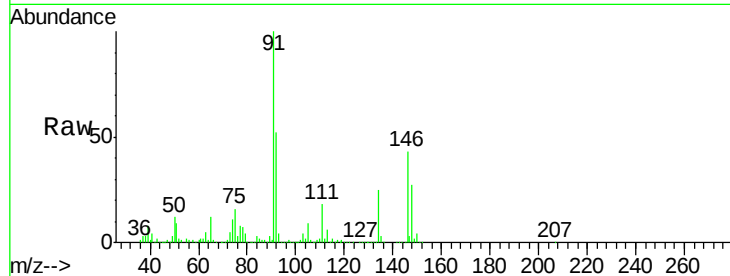
Tot Ion: 91 Resp: 624802

Ion Ratio Lower Upper

91 100

92 52.3 26.3 78.9

134 27.2 13.6 40.7



#90

Hexachloroethane

Concen: 36.39 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX002190.D

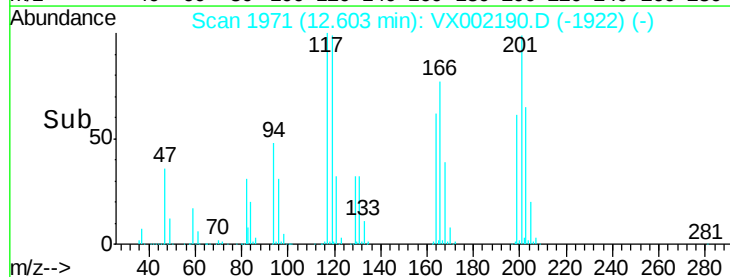
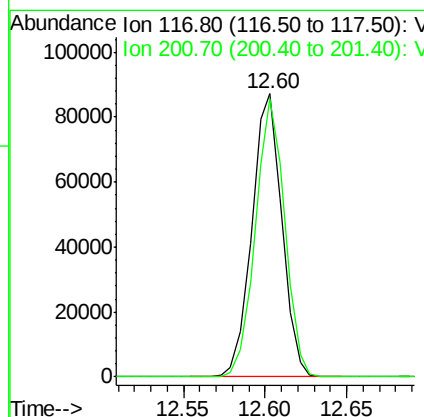
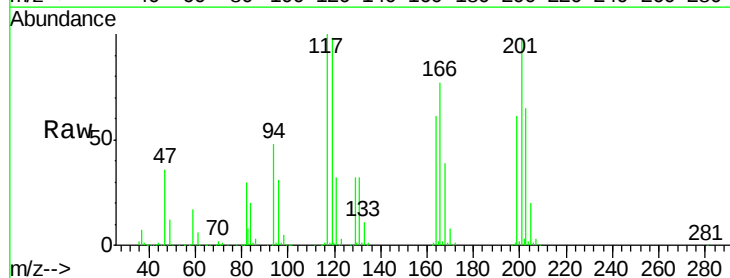
Acq: 31 May 2018 21:43

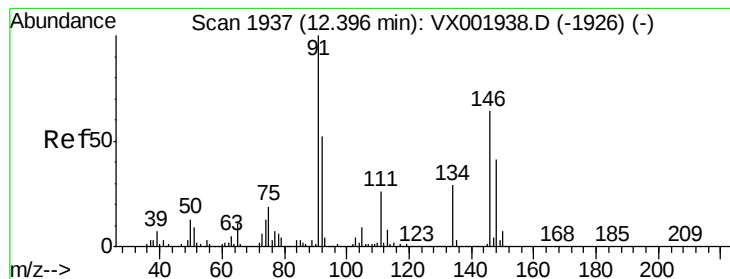
Tgt Ion: 117 Resp: 111841

Ion Ratio Lower Upper

117 100

201 95.7 48.0 144.0





#91

1,2-Dichlorobenzene

Concen: 46.69 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

ClientSampleId :

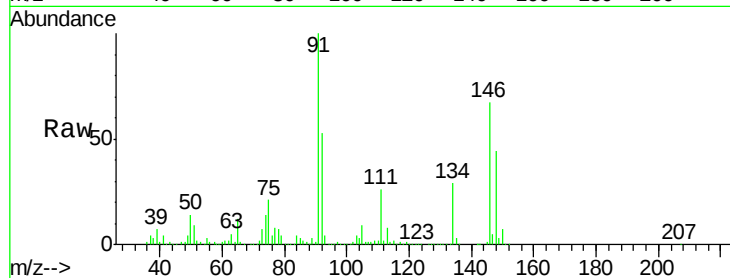
Tot Ion:146 Resp: 390425

Ion Ratio Lower Upper

146 100

111 39.6 19.8 59.3

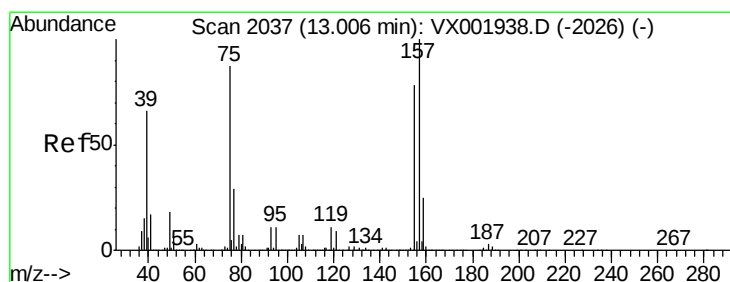
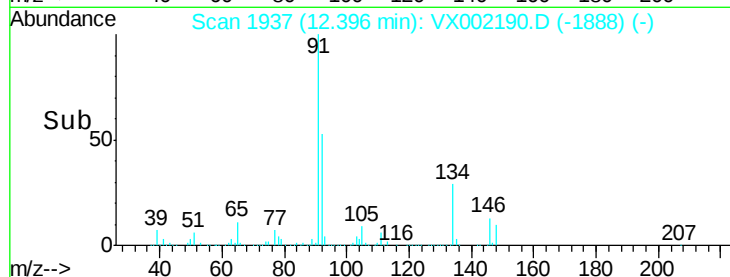
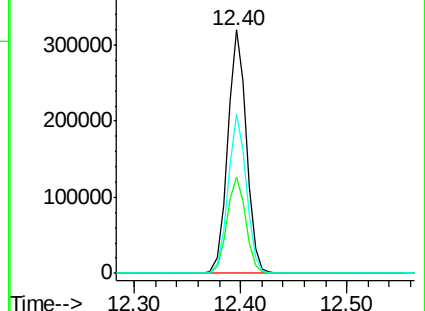
148 64.4 32.1 96.5



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: 37.26 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

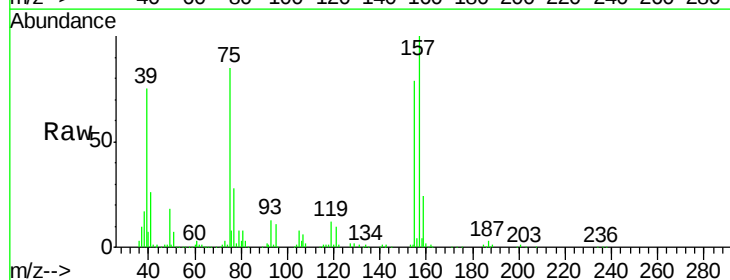
Tgt Ion: 75 Resp: 57231

Ion Ratio Lower Upper

75 100

155 89.8 45.1 135.2

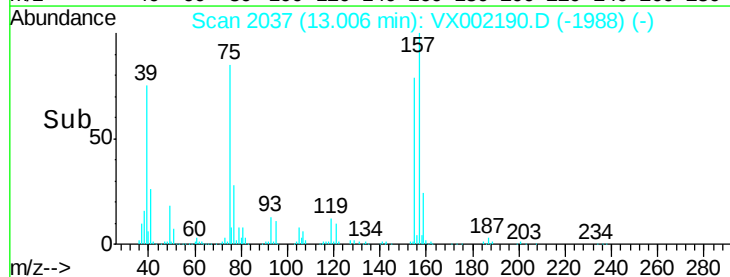
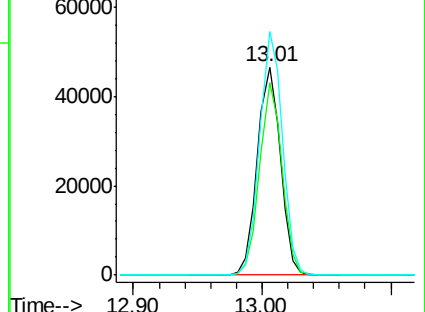
157 115.4 58.1 174.2

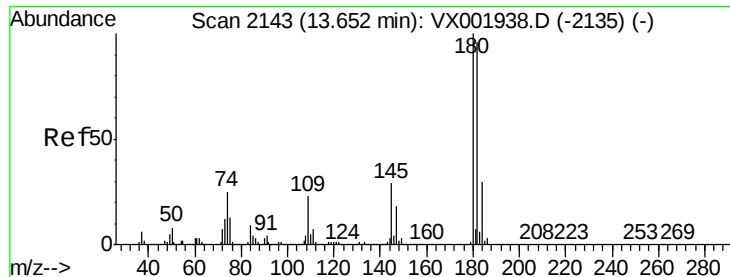


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

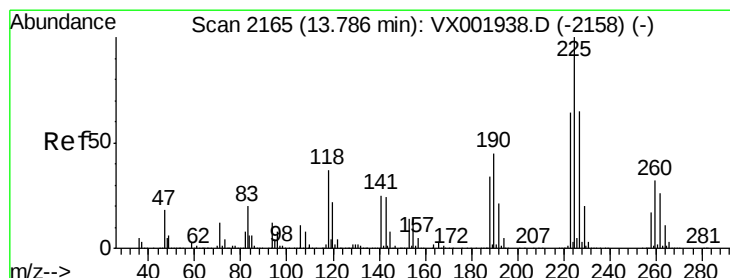
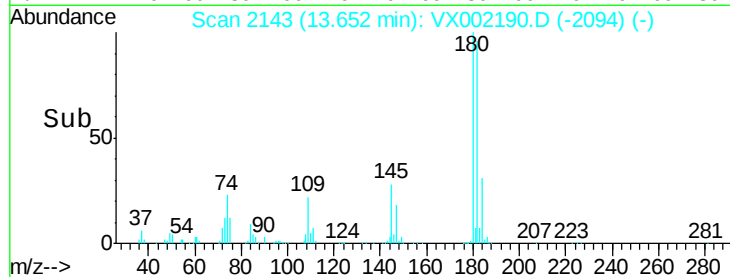
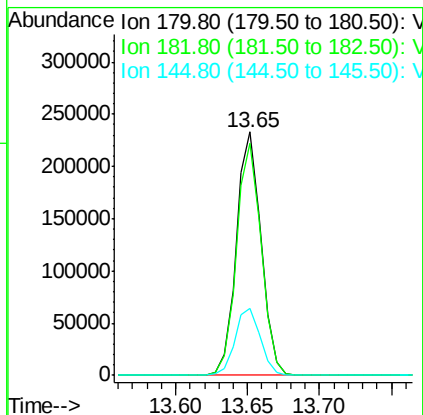
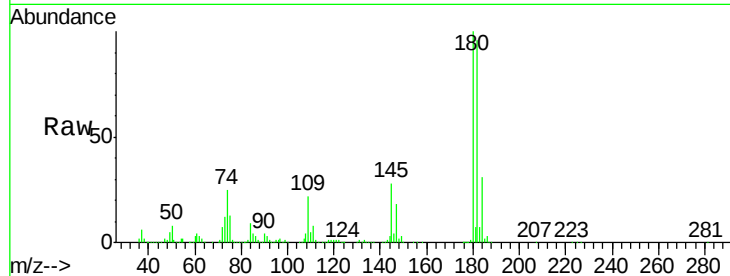




#93
 1,2,4-Trichlorobenzene
 Concen: 46.47 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002190.D
 Acq: 31 May 2018 21:43

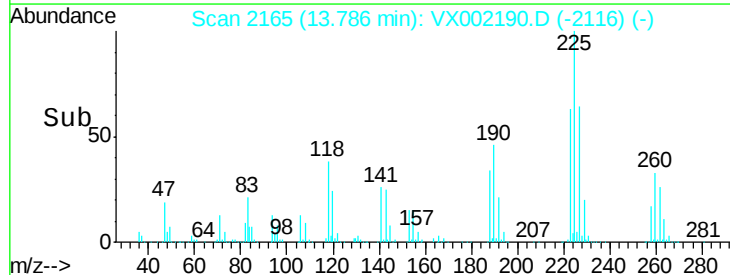
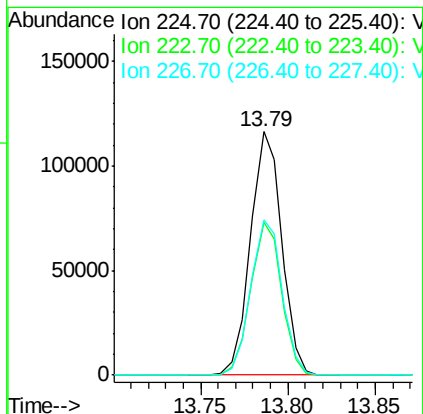
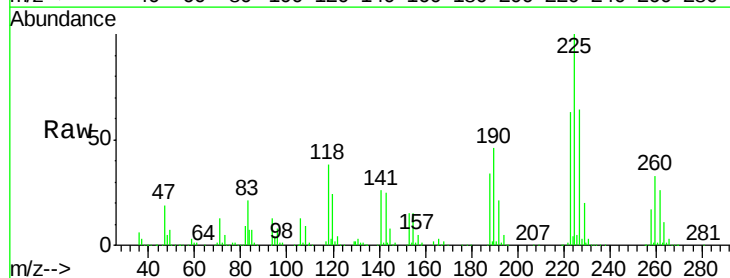
Instrument :
 MSVOA_X
 ClientSampleId :

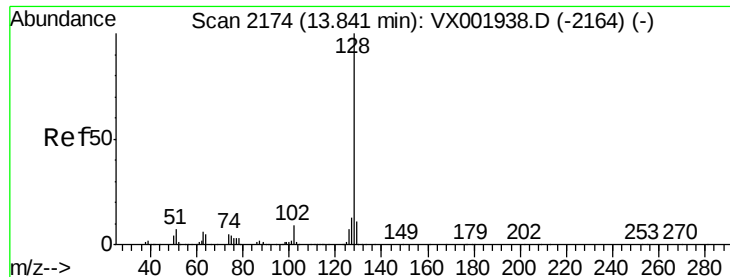
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.7	143.1
145	28.5	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 44.91 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002190.D
 Acq: 31 May 2018 21:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.1	93.5
227	64.2	32.1	96.5





#95

Naphthalene

Concen: 45.86 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

Instrument :

MSVOA_X

ClientSampleId :

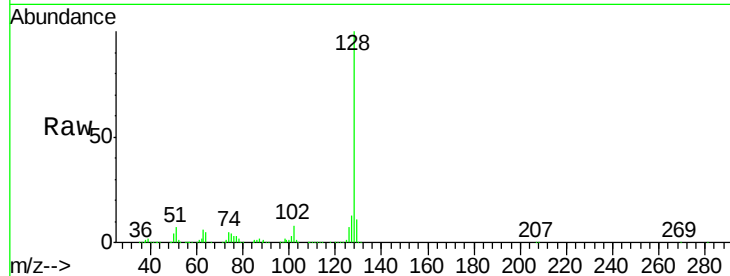
Tot Ion:128 Resp: 844971

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

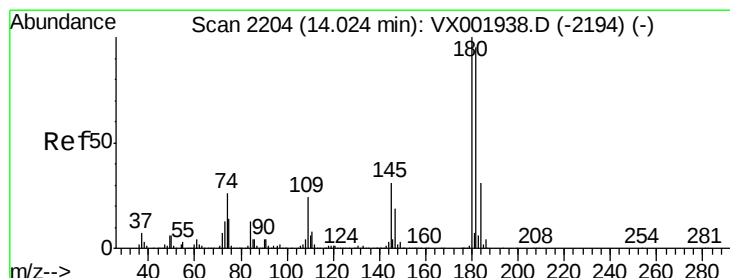
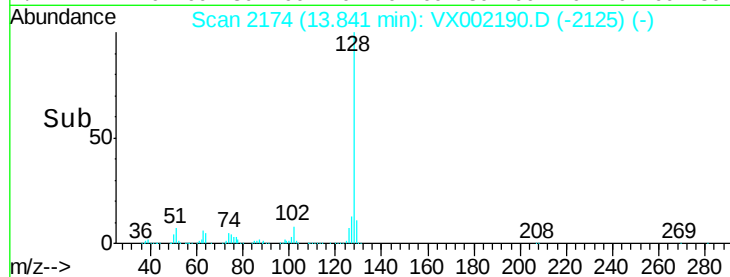
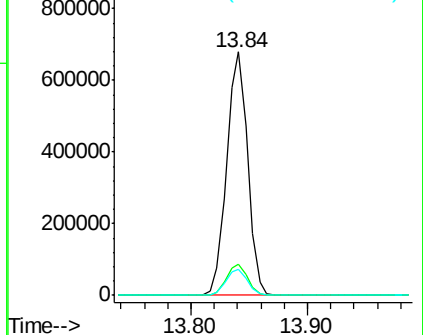
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 46.32 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002190.D

Acq: 31 May 2018 21:43

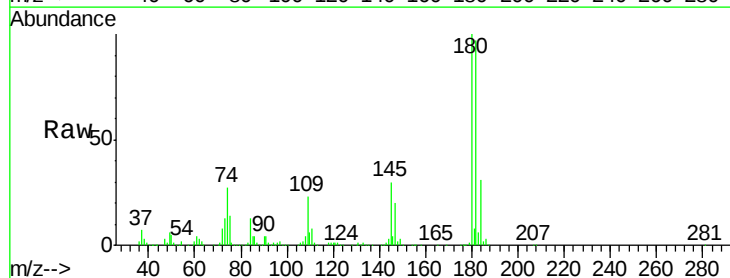
Tgt Ion:180 Resp: 286590

Ion Ratio Lower Upper

180 100

182 96.0 47.9 143.6

145 29.8 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

