

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053118\
 Data File : VX002185.D
 Acq On : 31 May 2018 19:30
 Operator : JC/MD
 Sample : VX0531WBS03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 01 03:24:25 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	176649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	241103	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	218383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	137824	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	122153	38.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.38%	
35) Dibromofluoromethane	5.51	113	90732	37.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.26%	
50) Toluene-d8	8.72	98	336236	38.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.04%	
62) 4-Bromofluorobenzene	11.14	95	126835	37.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	38761	16.16	ug/l	97
3) Chloromethane	1.32	50	50036	18.41	ug/l	97
4) Vinyl Chloride	1.41	62	52373	19.96	ug/l	98
5) Bromomethane	1.64	94	30963	25.15	ug/l	96
6) Chloroethane	1.72	64	34032	22.00	ug/l	98
7) Trichlorofluoromethane	1.93	101	86772	22.02	ug/l	100
8) Diethyl Ether	2.19	74	33408	23.36	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	50808	23.10	ug/l	97
10) Methyl Iodide	2.51	142	50201	16.87	ug/l	97
11) Tert butyl alcohol	3.07	59	94153	151.90	ug/l	98
12) 1,1-Dichloroethene	2.37	96	44018	21.38	ug/l	95
13) Acrolein	2.29	56	24856	92.75	ug/l	100
14) Allyl chloride	2.73	41	97054	22.46	ug/l	98
15) Acrylonitrile	3.15	53	175939	138.04	ug/l	99
16) Acetone	2.45	43	202469	166.15	ug/l	98
17) Carbon Disulfide	2.57	76	95523	16.12	ug/l	99
18) Methyl Acetate	2.78	43	87404	29.30	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	177412	22.91	ug/l	99
20) Methylene Chloride	2.86	84	52873	24.20	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	46194	22.17	ug/l	98
22) Diisopropyl ether	3.87	45	175470	19.96	ug/l	97
23) Vinyl Acetate	3.82	43	846359	116.12	ug/l	99
24) 1,1-Dichloroethane	3.70	63	95117	22.78	ug/l	99
25) 2-Butanone	4.71	43	256412	114.80	ug/l	98
26) 2,2-Dichloropropane	4.59	77	72213	17.08	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	48852	18.20	ug/l	92
28) Bromochloromethane	5.02	49	37016	19.86	ug/l	99
29) Tetrahydrofuran	5.17	42	157203	108.18	ug/l	99
30) Chloroform	5.22	83	87647	18.63	ug/l	98
31) Cyclohexane	5.57	56	79010	18.16	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	75791	17.28	ug/l	98
36) 1,1-Dichloropropene	5.81	75	62379	18.60	ug/l	98
37) Ethyl Acetate	4.86	43	90590	20.72	ug/l	100
38) Carbon Tetrachloride	5.79	117	64517	16.50	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	80292	19.49	ug/l	99
40) Benzene	6.15	78	191574	19.50	ug/l	99
41) Methacrylonitrile	5.06	41	51590	21.59	ug/l	99
42) 1,2-Dichloroethane	6.20	62	75976	19.36	ug/l	99
43) Isopropyl Acetate	6.47	43	143917	19.76	ug/l	99
44) Trichloroethene	7.21	130	53651	18.74	ug/l	99
45) 1,2-Dichloropropane	7.52	63	52479	19.67	ug/l	100
46) Dibromomethane	7.66	93	34952	19.79	ug/l	99
47) Bromodichloromethane	7.90	83	60468	16.05	ug/l	96
48) Methyl methacrylate	7.78	41	71509	19.29	ug/l	95
49) 1,4-Dioxane	7.76	88	32235	493.36	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	490434	111.68	ug/l	98
52) Toluene	8.79	92	121726	19.47	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	73455	16.93	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	68654	16.24	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	52271	20.01	ug/l	98
56) Ethyl methacrylate	9.18	69	83173	18.51	ug/l	98
57) 1,3-Dichloropropane	9.38	76	85838	19.95	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	170861	85.80	ug/l	99
59) 2-Hexanone	9.50	43	386681	114.19	ug/l	100
60) Dibromochloromethane	9.59	129	47978	15.51	ug/l	99
61) 1,2-Dibromoethane	9.68	107	54517	19.89	ug/l	98
64) Tetrachloroethene	9.34	164	61892	19.77	ug/l	97
65) Chlorobenzene	10.14	112	137189	19.83	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	49205	17.61	ug/l	99
67) Ethyl Benzene	10.26	91	237553	19.76	ug/l	98
68) m/p-Xylenes	10.37	106	180406	39.26	ug/l	100
69) o-Xylene	10.70	106	90469	19.72	ug/l	99
70) Styrene	10.72	104	143836	18.90	ug/l	99
71) Bromoform	10.86	173	36387	13.74	ug/l #	99
73) Isopropylbenzene	11.02	105	240678	20.62	ug/l	99
74) N-amyl acetate	6.47	43	143917	22.00	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	78083	23.80	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	96943	29.28	ug/l	80
77) Bromobenzene	11.26	156	62811	20.28	ug/l	97
78) n-propylbenzene	11.37	91	265081	20.28	ug/l	99
79) 2-Chlorotoluene	11.43	91	161839	21.24	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	200789	20.13	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	20891	15.17	ug/l #	84
82) 4-Chlorotoluene	11.51	91	185521	20.12	ug/l	100
83) tert-Butylbenzene	11.77	119	196175	20.04	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	205444	19.93	ug/l	99
85) sec-Butylbenzene	11.95	105	241726	20.55	ug/l	100
86) p-Isopropyltoluene	12.07	119	212395	20.17	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	111442	20.10	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	110936	20.01	ug/l	99
89) n-Butylbenzene	12.39	91	170494	19.11	ug/l	100
90) Hexachloroethane	12.60	117	30261	14.57	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	115737	20.48	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	18481	17.81	ug/l	97

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QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration

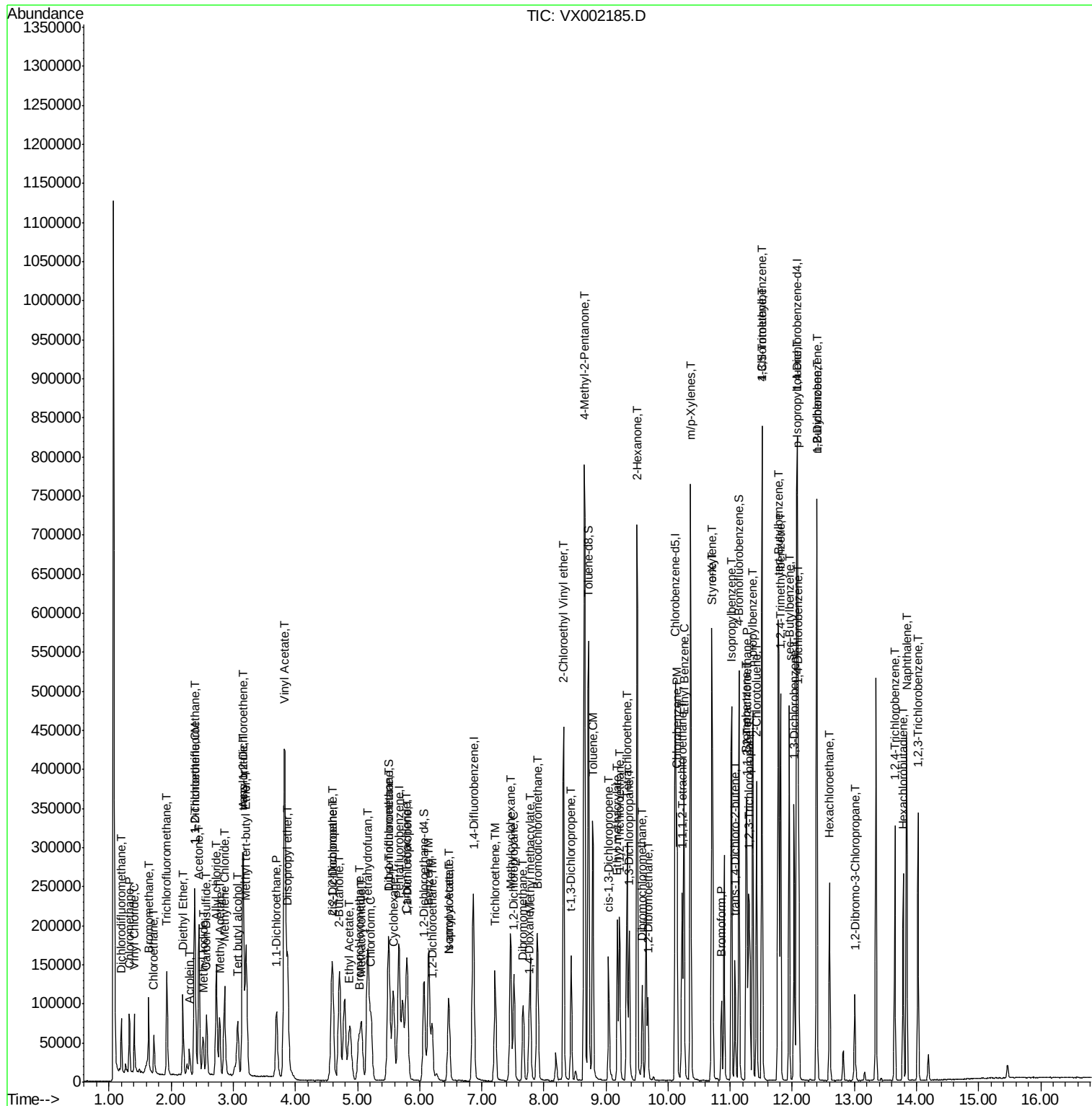
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	77071	19.08	ug/l	100
94) Hexachlorobutadiene	13.79	225	39842	18.33	ug/l	99
95) Naphthalene	13.84	128	261789	21.03	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	82427	19.72	ug/l	99

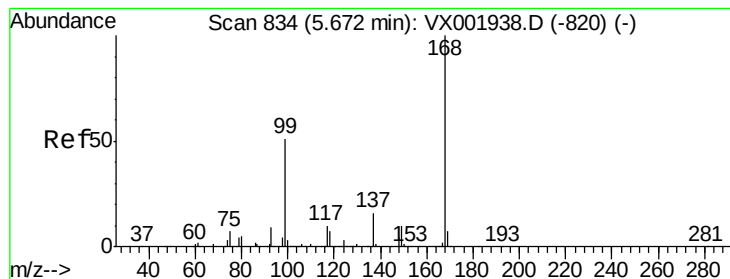
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

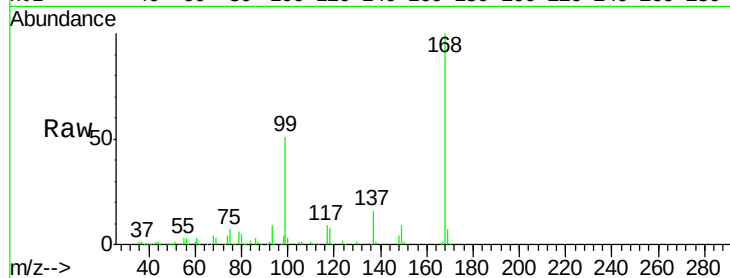
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 176649

Ion Ratio Lower Upper

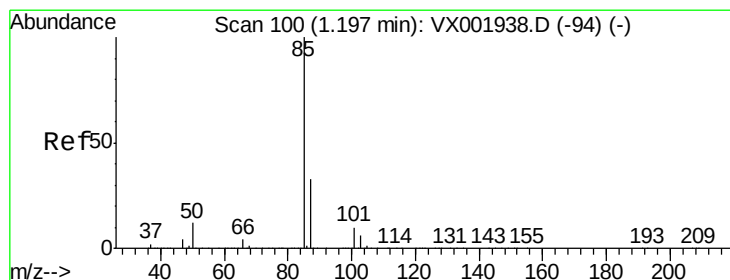
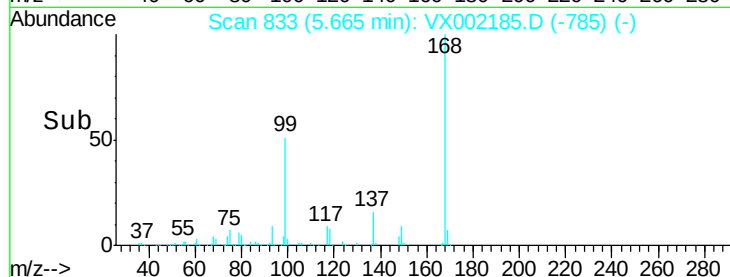
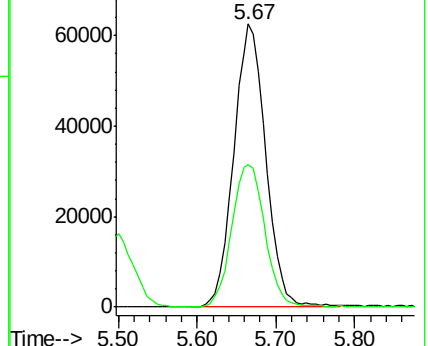
168 100

99 50.5 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: 16.16 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002185.D

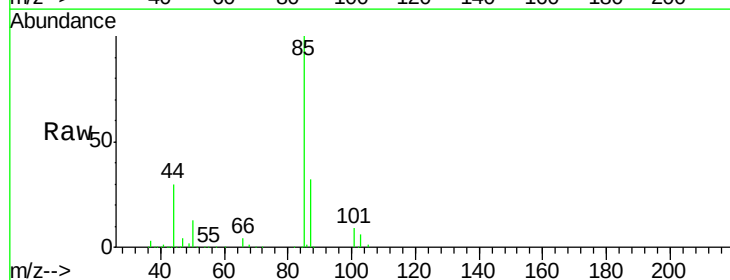
Acq: 31 May 2018 19:30

Tgt Ion: 85 Resp: 38761

Ion Ratio Lower Upper

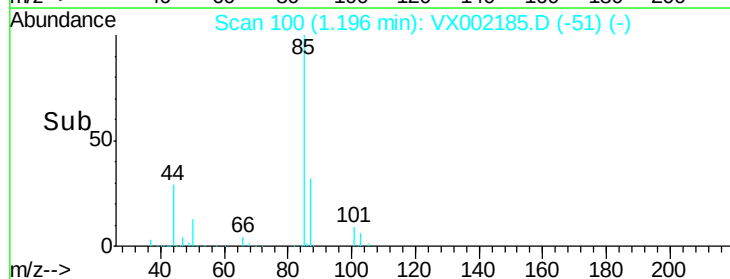
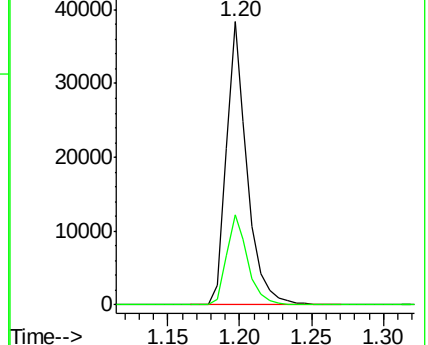
85 100

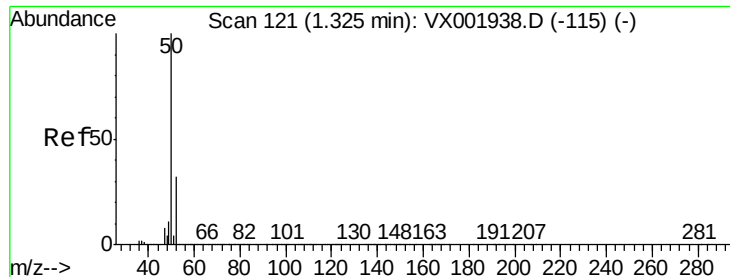
87 31.8 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.41 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

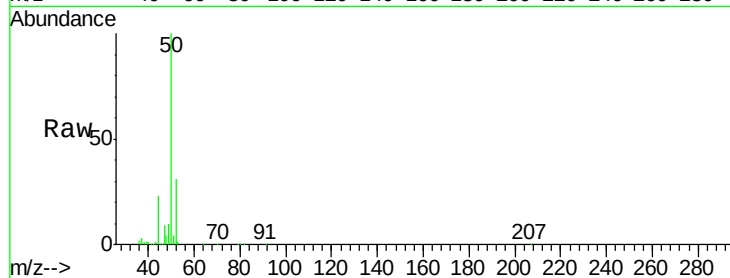
ClientSampleId :

Tot Ion: 50 Resp: 50036

Ion Ratio Lower Upper

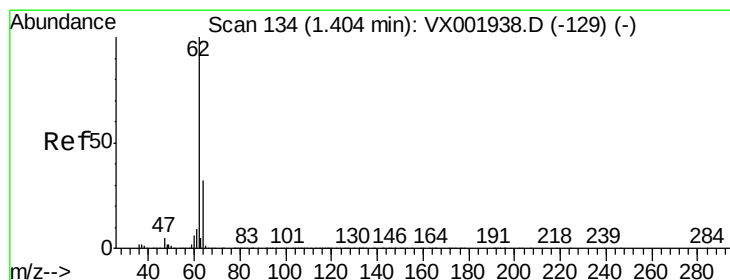
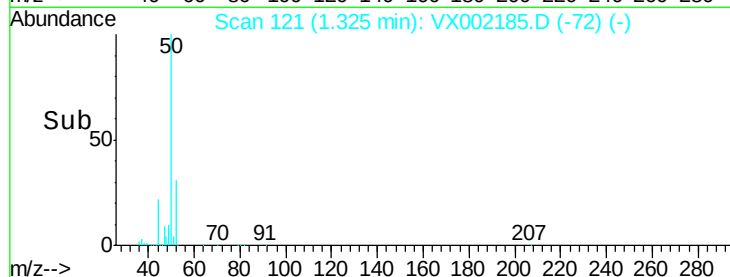
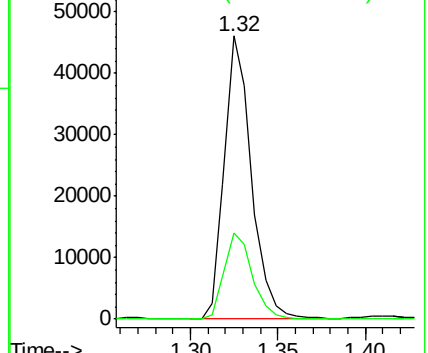
50 100

52 30.7 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.96 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002185.D

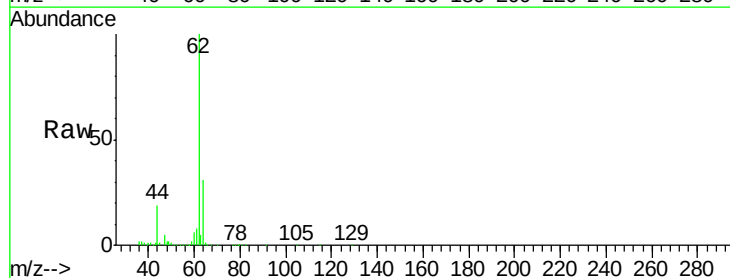
Acq: 31 May 2018 19:30

Tgt Ion: 62 Resp: 52373

Ion Ratio Lower Upper

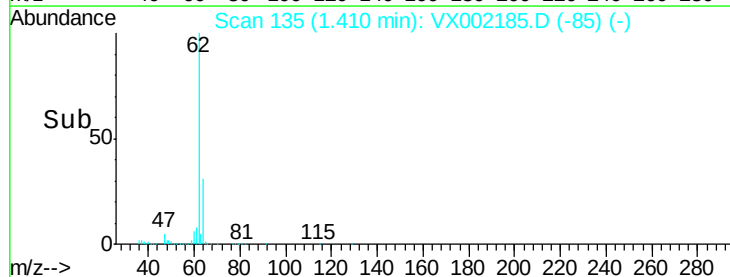
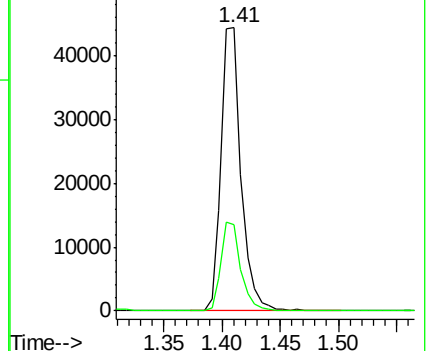
62 100

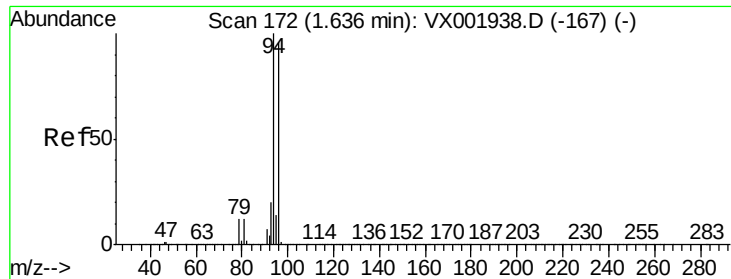
64 30.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 25.15 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

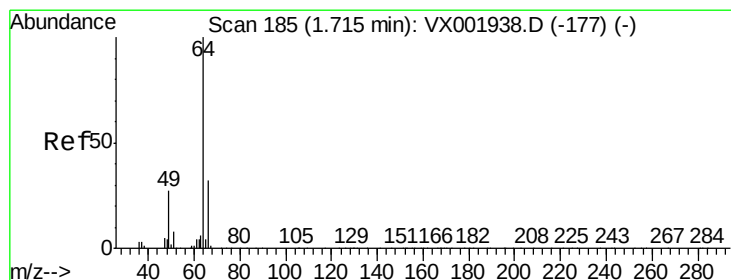
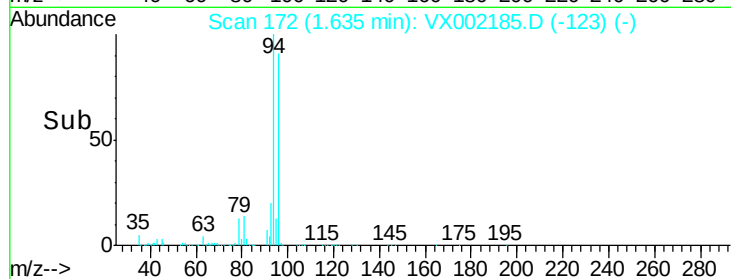
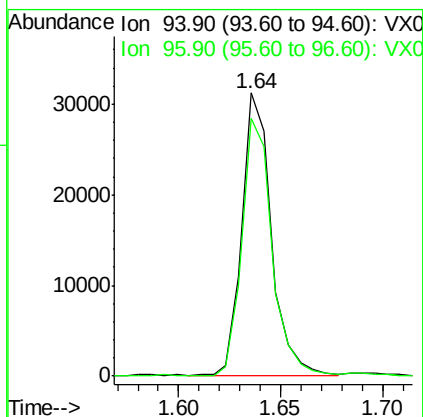
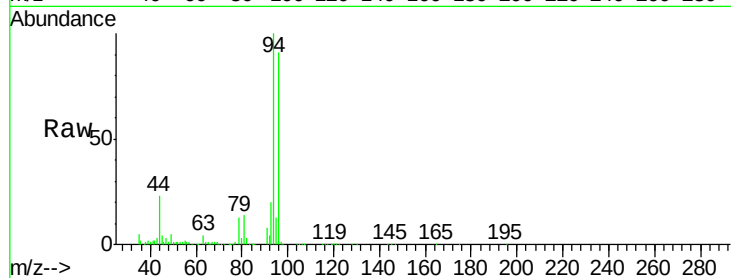
ClientSampleId :

Tot Ion: 94 Resp: 30963

Ion Ratio Lower Upper

94 100

96 91.2 75.9 113.9



#6

Chloroethane

Concen: 22.00 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX002185.D

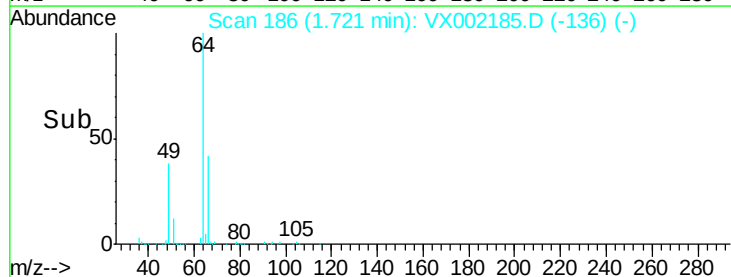
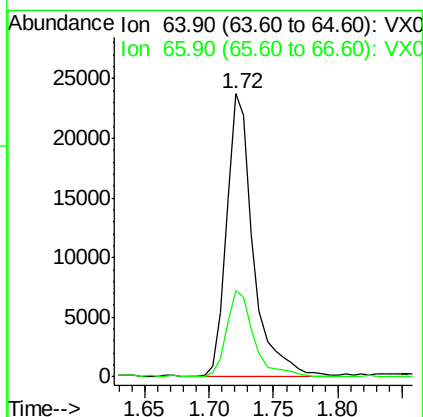
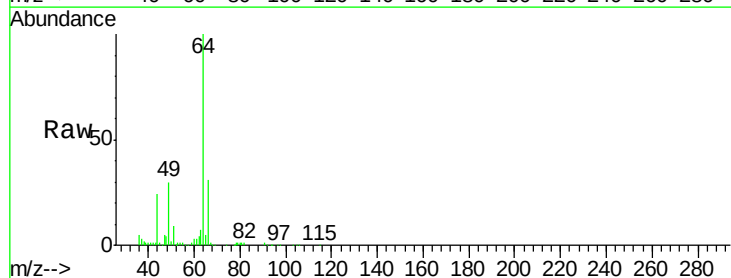
Acq: 31 May 2018 19:30

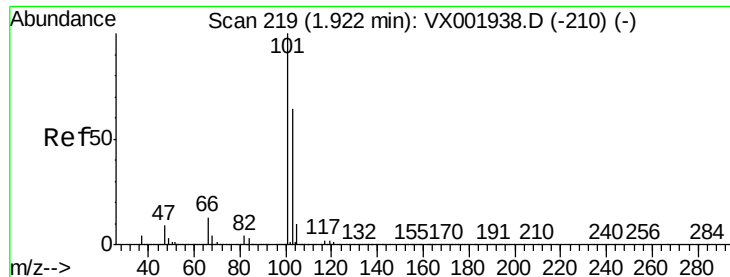
Tgt Ion: 64 Resp: 34032

Ion Ratio Lower Upper

64 100

66 30.8 25.6 38.4



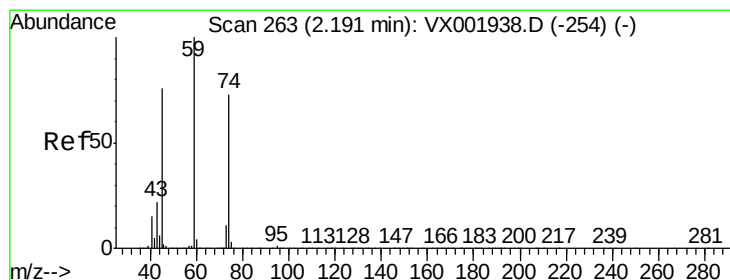
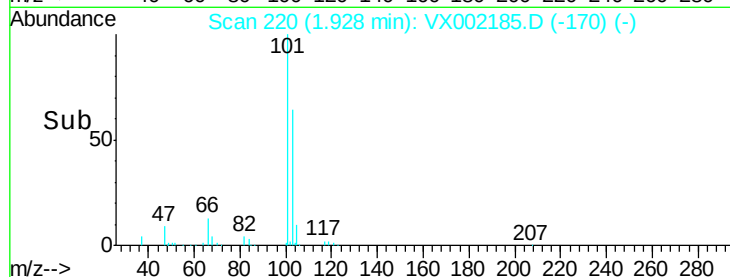
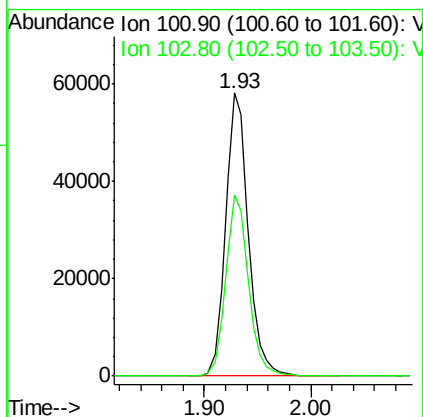
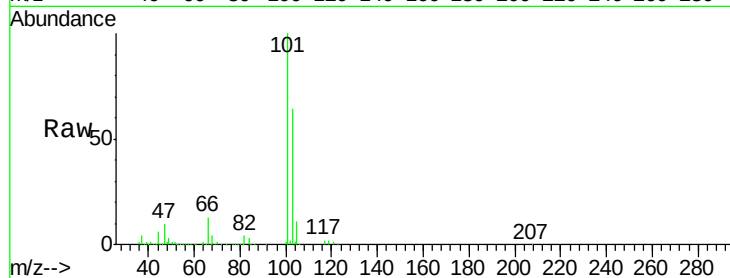


#7

Trichlorofluoromethane
Concen: 22.02 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX002185.D
Acq: 31 May 2018 19:30

Instrument :
MSVOA_X
ClientSampleId :

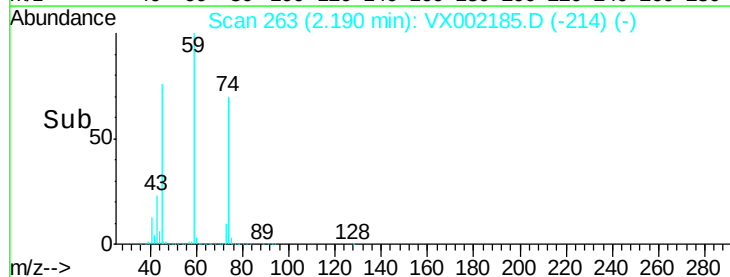
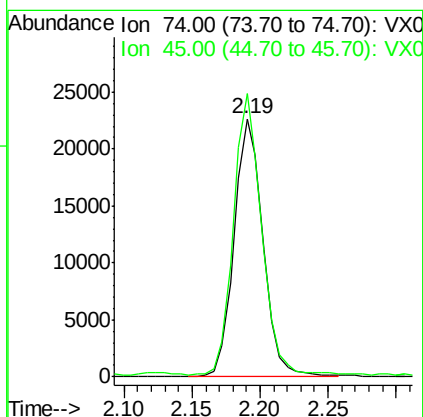
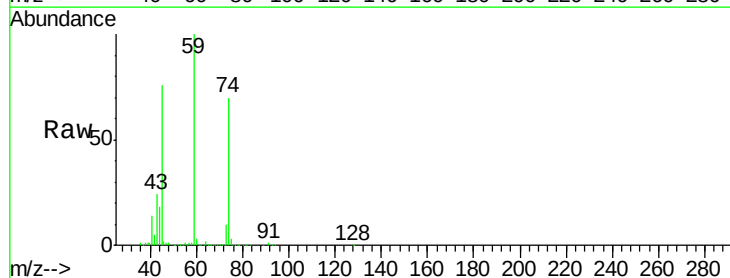
Tot Ion:101 Resp: 86772
Ion Ratio Lower Upper
101 100
103 64.1 51.4 77.0

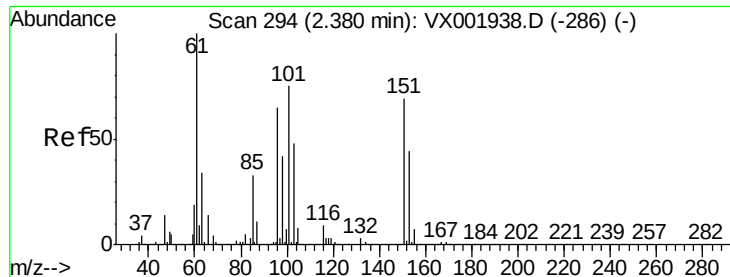


#8

Diethyl Ether
Concen: 23.36 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002185.D
Acq: 31 May 2018 19:30

Tgt Ion: 74 Resp: 33408
Ion Ratio Lower Upper
74 100
45 105.7 51.5 154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.10 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

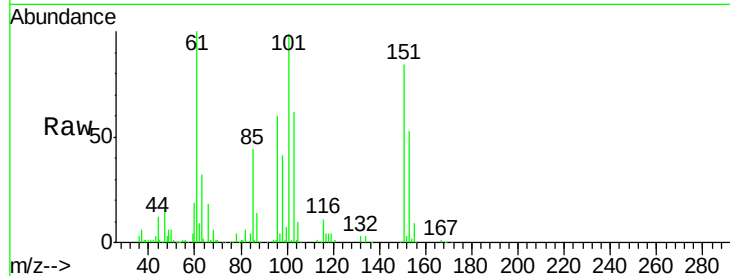
Tot Ion:101 Resp: 50808

Ion Ratio Lower Upper

101 100

85 45.6 35.6 53.4

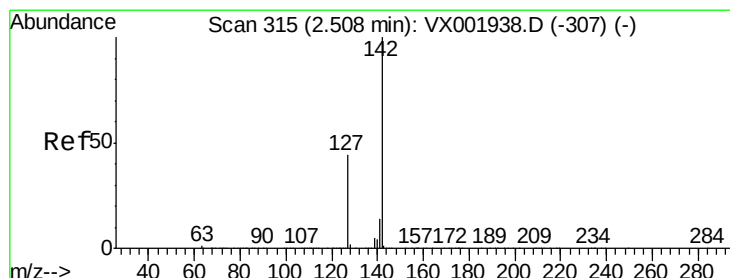
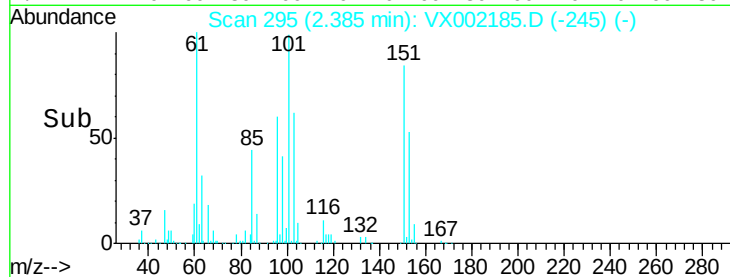
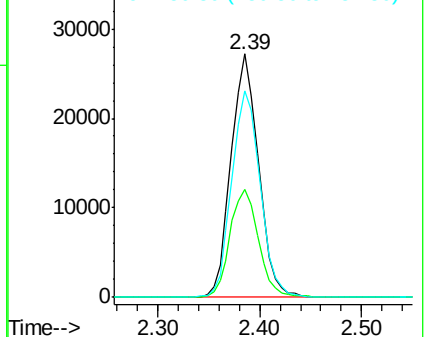
151 87.5 73.2 109.8



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: 16.87 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

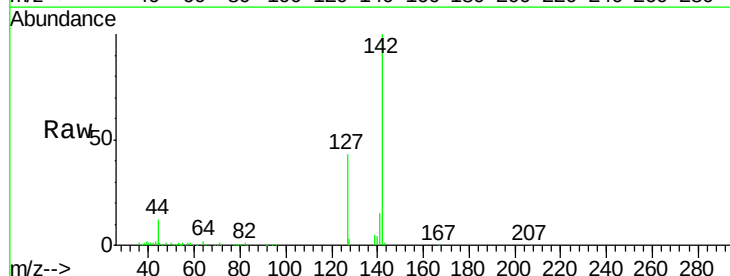
Tgt Ion:142 Resp: 50201

Ion Ratio Lower Upper

142 100

127 46.6 35.5 53.3

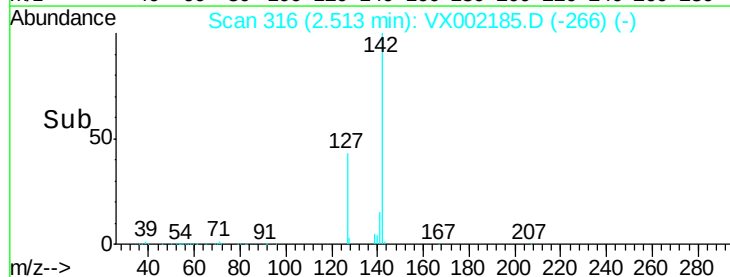
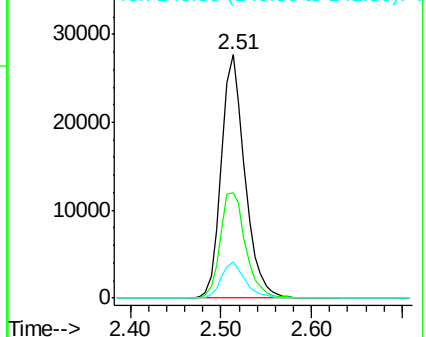
141 15.0 11.3 16.9

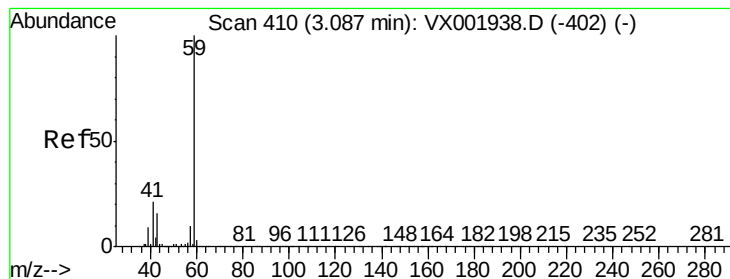


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



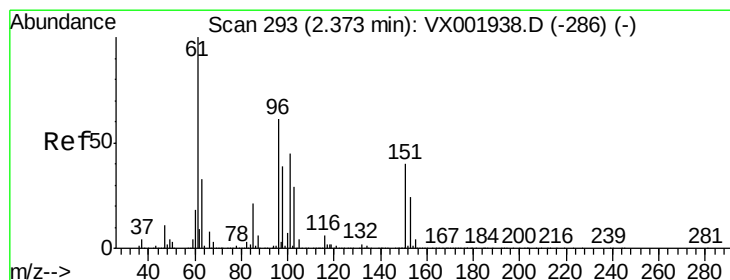
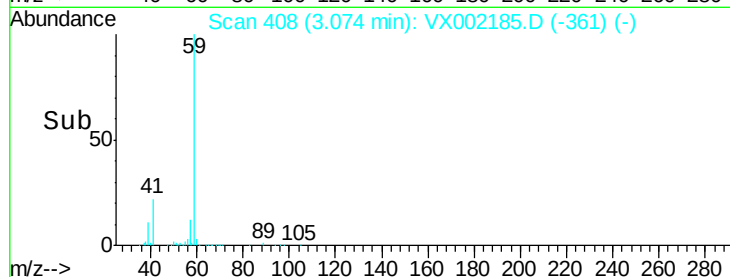
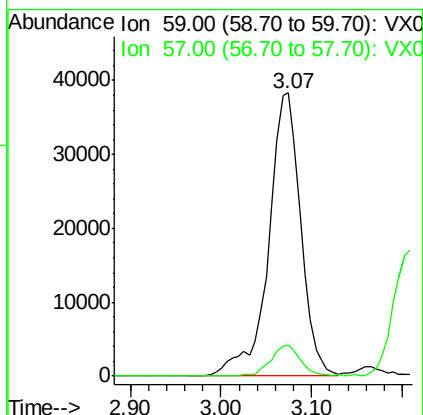
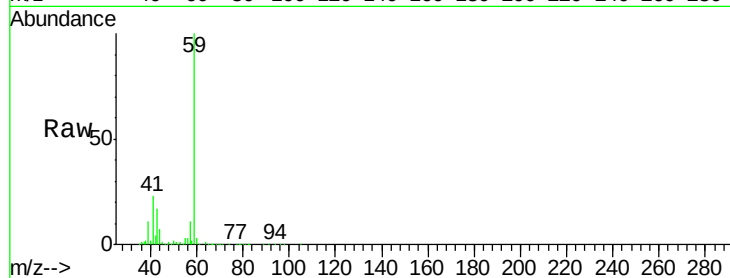


#11

Tert butyl alcohol
 Concen: 151.90 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX002185.D
 Acq: 31 May 2018 19:30

Instrument :
 MSVOA_X
 ClientSampled :

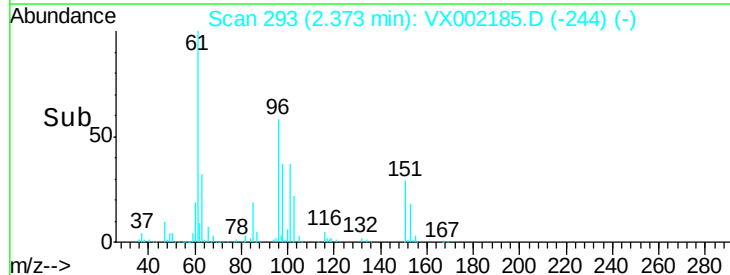
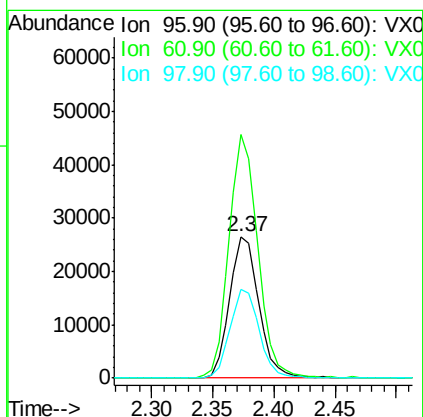
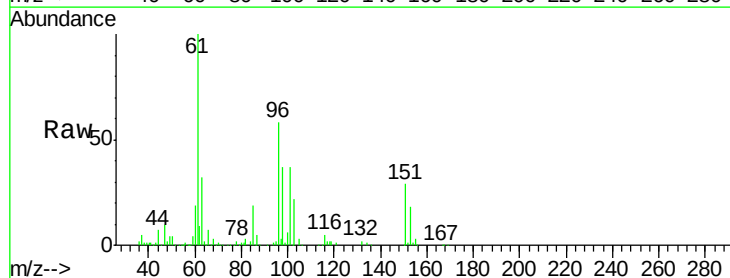
Tot Ion: 59 Resp: 94153
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.9 13.3

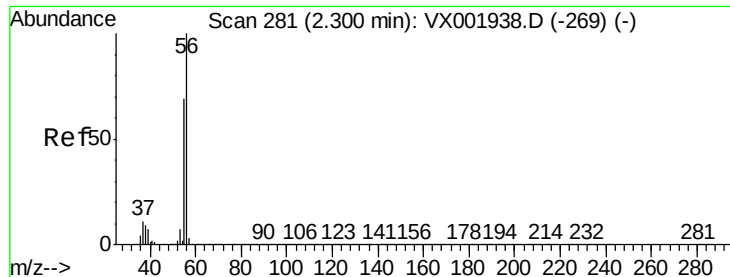


#12

1,1-Dichloroethene
 Concen: 21.38 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002185.D
 Acq: 31 May 2018 19:30

Tgt Ion: 96 Resp: 44018
 Ion Ratio Lower Upper
 96 100
 61 172.3 131.7 197.5
 98 63.1 51.6 77.4





#13

Acrolein

Concen: 92.75 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

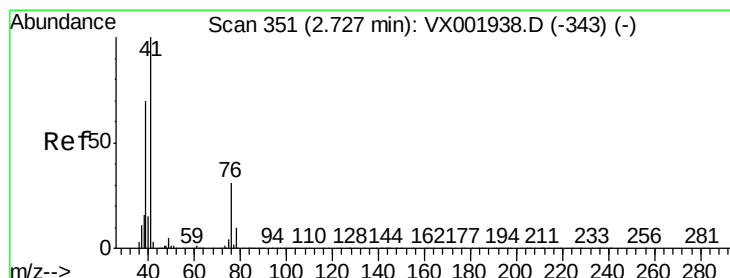
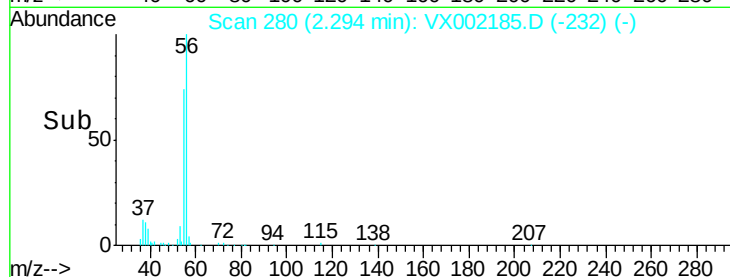
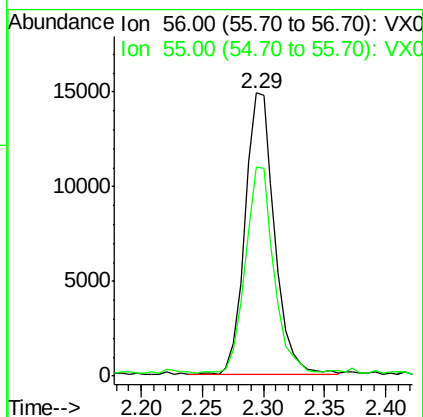
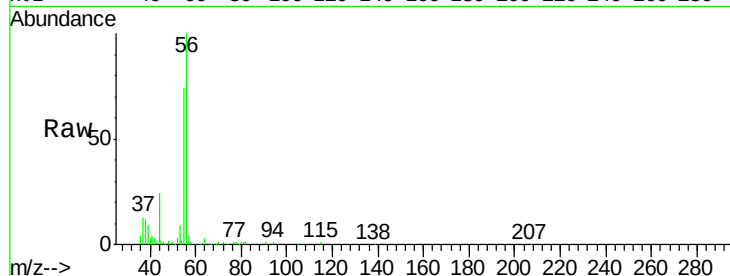
ClientSampleId :

Tot Ion: 56 Resp: 24856

Ion Ratio Lower Upper

56 100

55 70.9 56.8 85.2



#14

Allyl chloride

Concen: 22.46 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

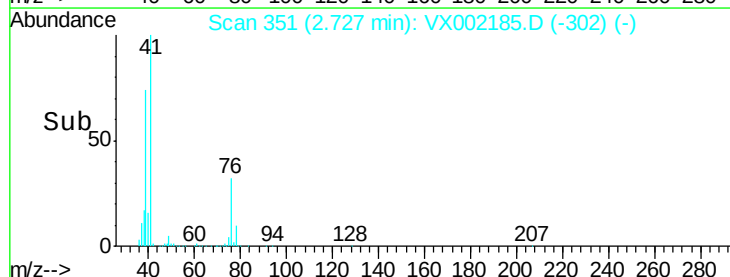
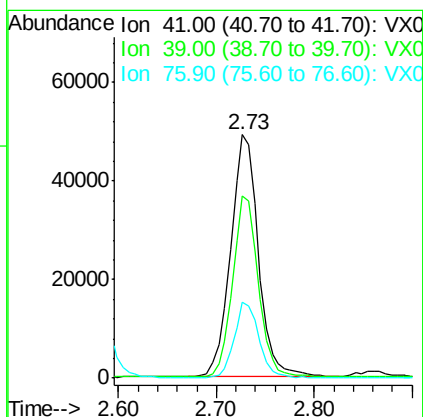
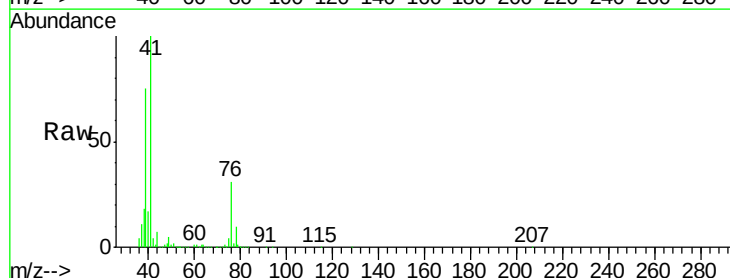
Tgt Ion: 41 Resp: 97054

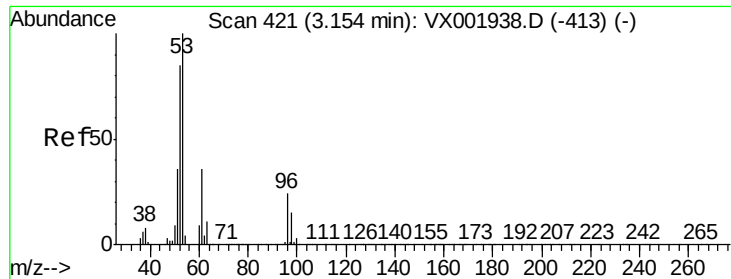
Ion Ratio Lower Upper

41 100

39 68.8 54.3 81.5

76 28.1 24.2 36.4





#15

Acrylonitrile

Concen: 138.04 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

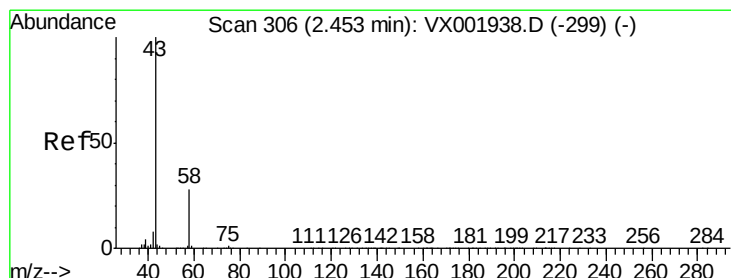
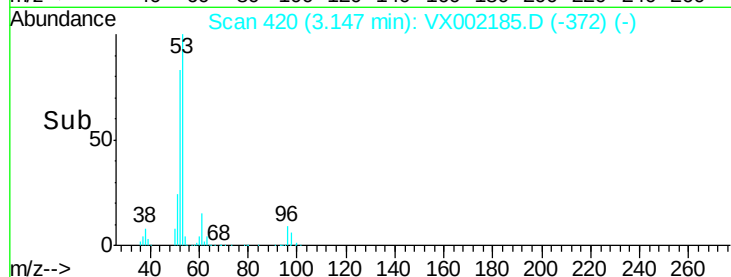
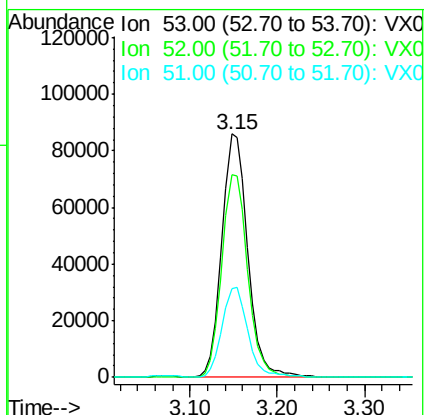
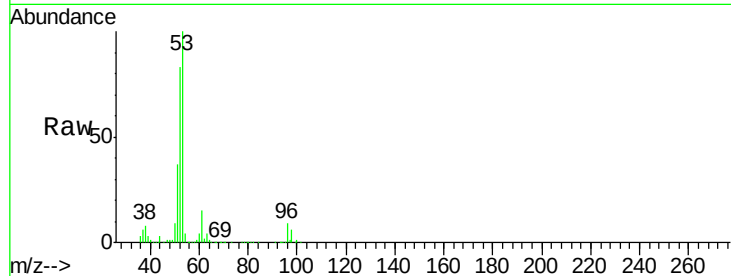
Tot Ion: 53 Resp: 175939

Ion Ratio Lower Upper

53 100

52 83.9 66.4 99.6

51 37.1 29.3 43.9



#16

Acetone

Concen: 166.15 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002185.D

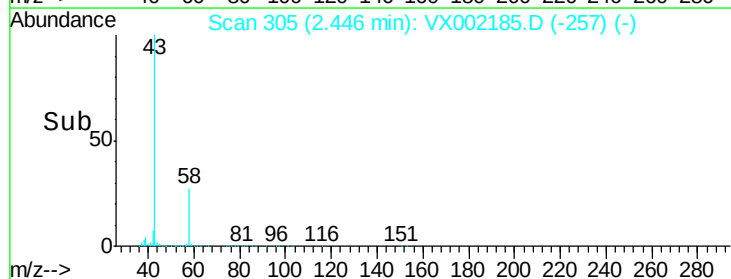
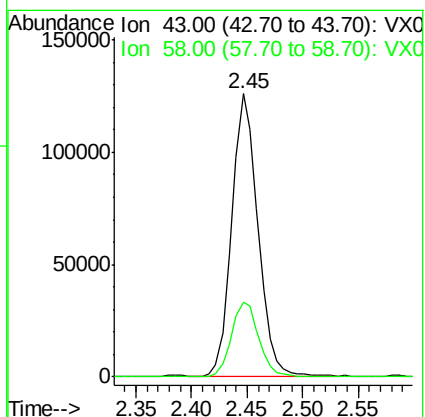
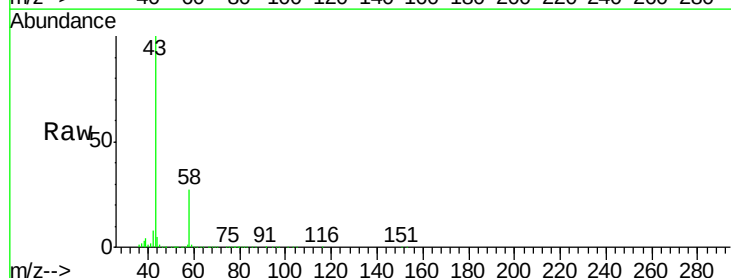
Acq: 31 May 2018 19:30

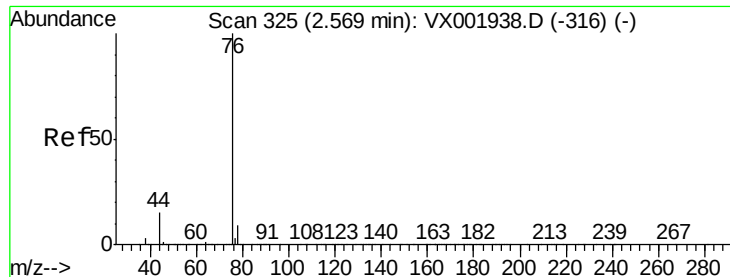
Tgt Ion: 43 Resp: 202469

Ion Ratio Lower Upper

43 100

58 26.7 22.3 33.5





#17

Carbon Disulfide

Concen: 16.12 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

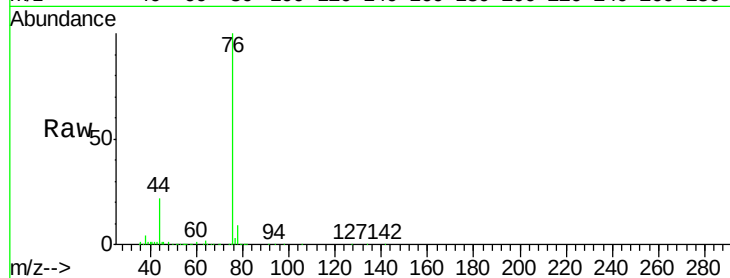
ClientSampleId :

Tot Ion: 76 Resp: 95523

Ion Ratio Lower Upper

76 100

78 9.1 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

60000

50000

40000

30000

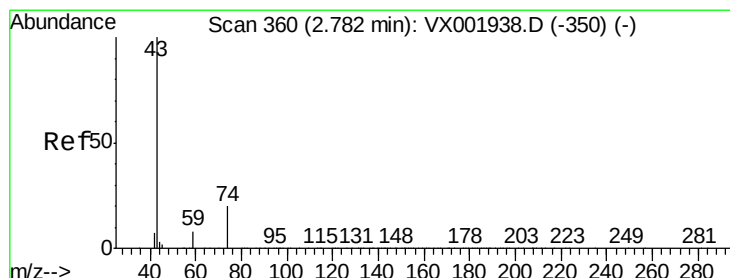
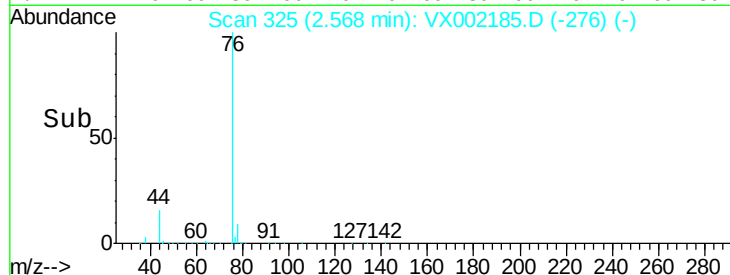
20000

10000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 29.30 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002185.D

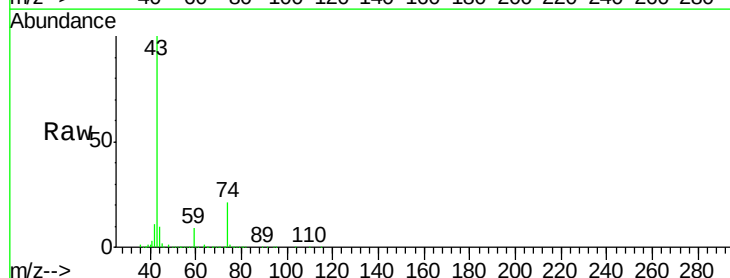
Acq: 31 May 2018 19:30

Tgt Ion: 43 Resp: 87404

Ion Ratio Lower Upper

43 100

74 21.1 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

50000

40000

30000

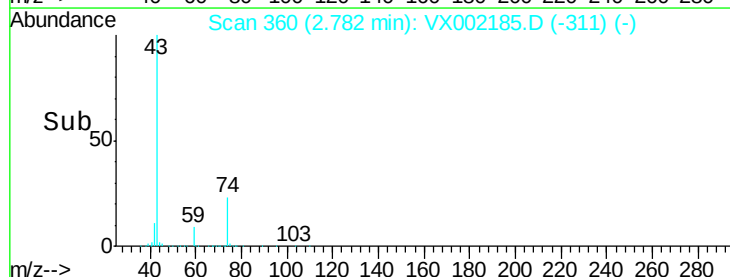
20000

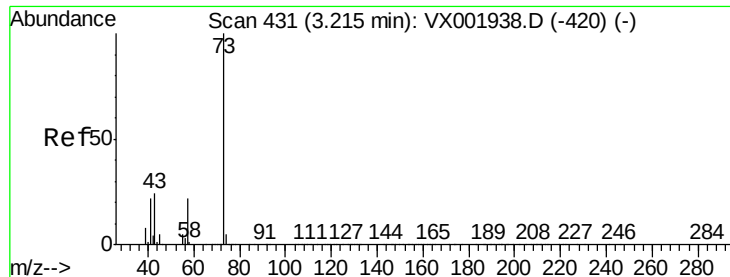
10000

0

Time-->

2.70 2.75 2.80 2.85 2.90



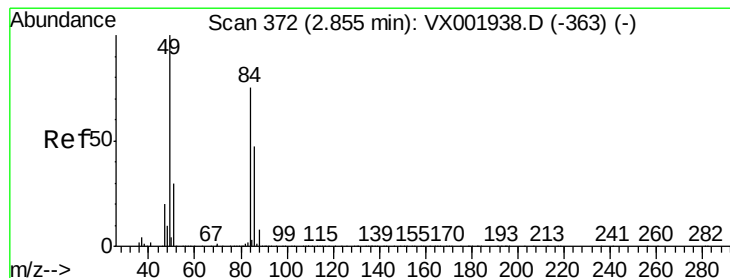
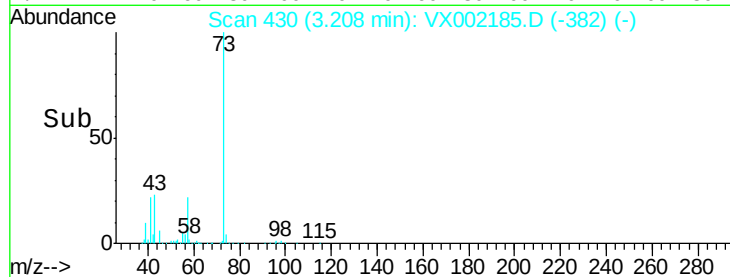
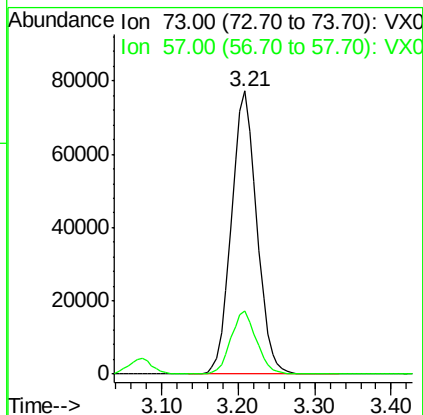
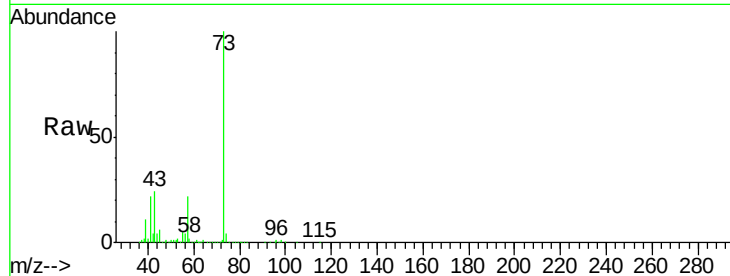


#19

Methyl tert-butyl Ether
 Concen: 22.91 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VX002185.D
 Acq: 31 May 2018 19:30

Instrument :
 MSVOA_X
 ClientSampleId :

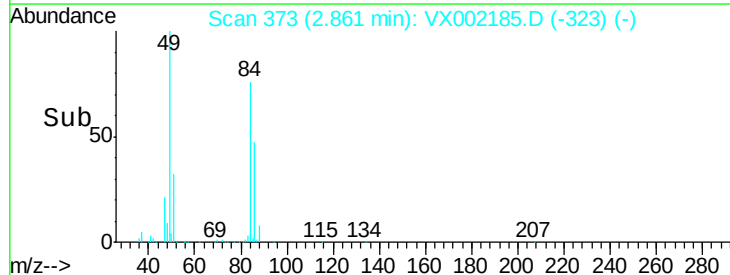
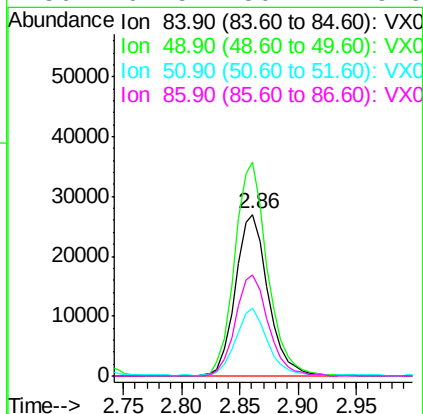
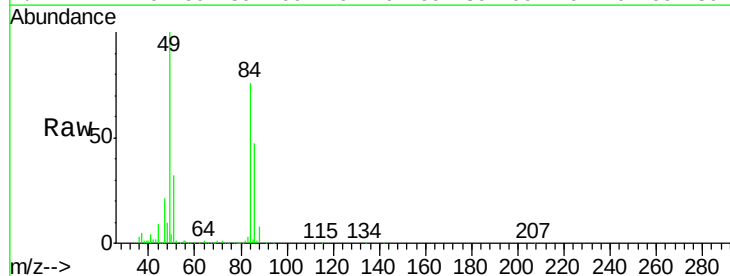
Tot Ion: 73 Resp: 177412
 Ion Ratio Lower Upper
 73 100
 57 22.0 17.4 26.0

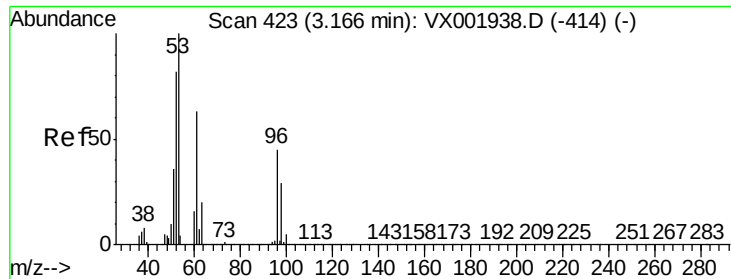


#20

Methylene Chloride
 Concen: 24.20 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.01 min
 Lab File: VX002185.D
 Acq: 31 May 2018 19:30

Tgt Ion: 84 Resp: 52873
 Ion Ratio Lower Upper
 84 100
 49 132.2 107.2 160.8
 51 41.6 32.4 48.6
 86 62.5 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 22.17 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :
MSVOA_X
ClientSampled :

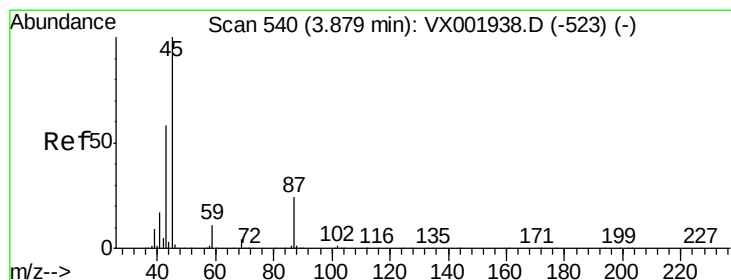
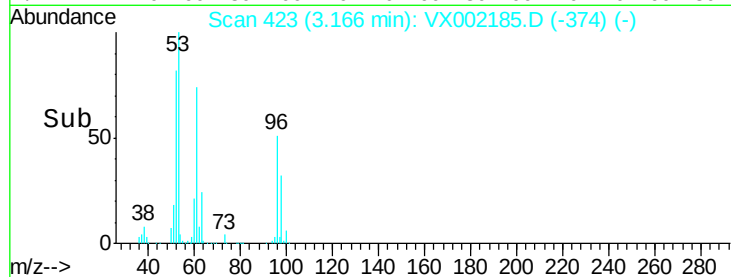
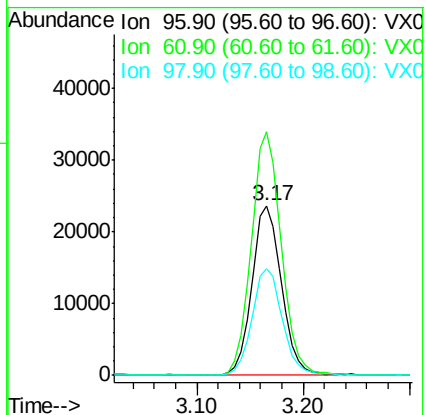
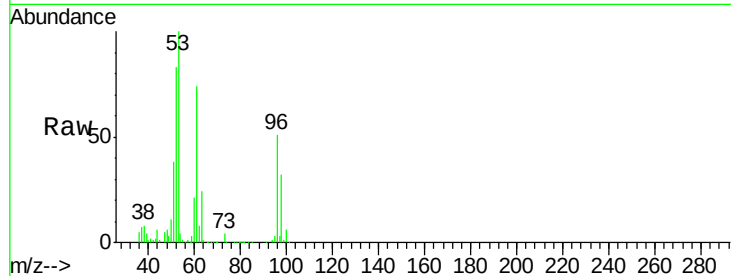
Tot Ion: 96 Resp: 46194

Ion Ratio Lower Upper

96 100

61 143.5 113.3 169.9

98 62.9 51.7 77.5



#22

Diisopropyl ether

Concen: 19.96 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Tgt Ion: 45 Resp: 175470

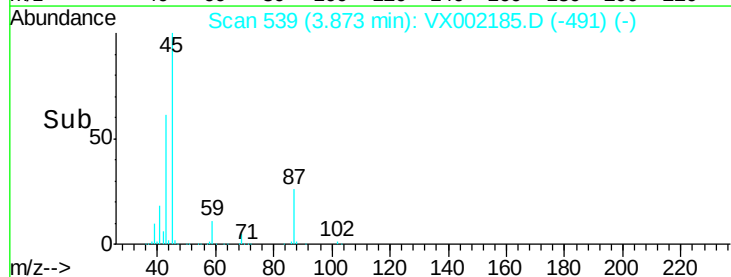
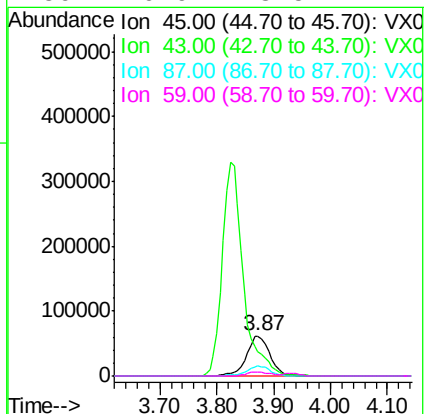
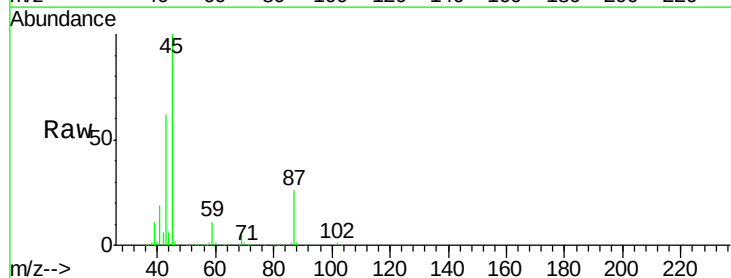
Ion Ratio Lower Upper

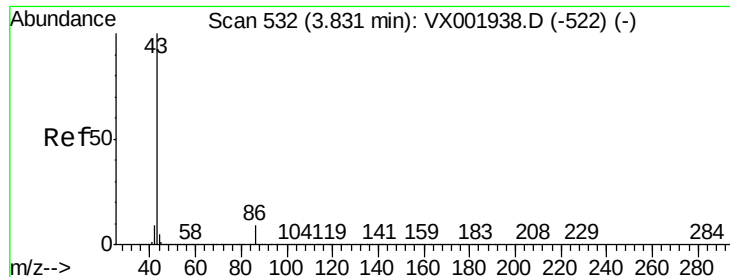
45 100

43 61.2 47.0 70.6

87 26.0 19.4 29.0

59 10.9 8.5 12.7





#23

Vinyl Acetate

Concen: 116.12 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

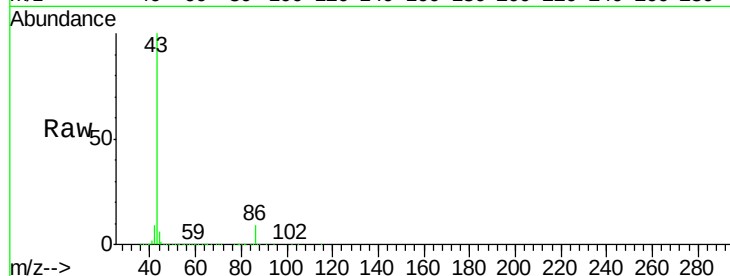
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 846359

Ion Ratio Lower Upper

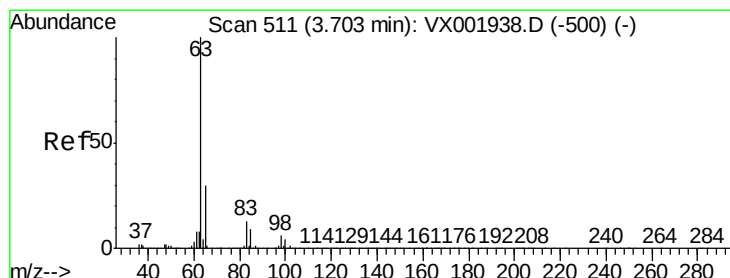
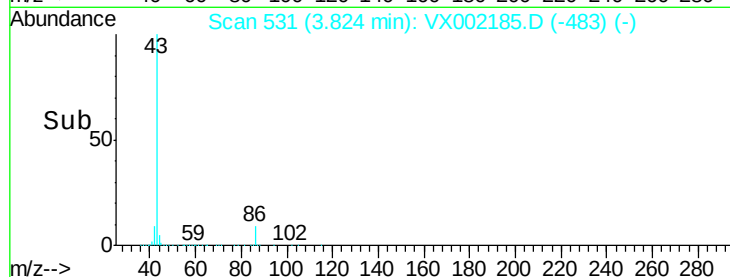
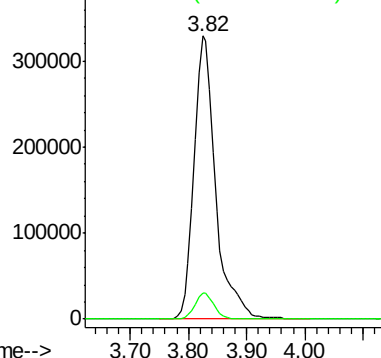
43 100

86 9.2 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 22.78 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

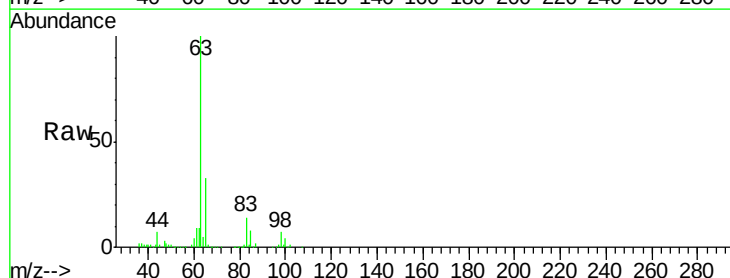
Tgt Ion: 63 Resp: 95117

Ion Ratio Lower Upper

63 100

98 7.2 3.3 9.8

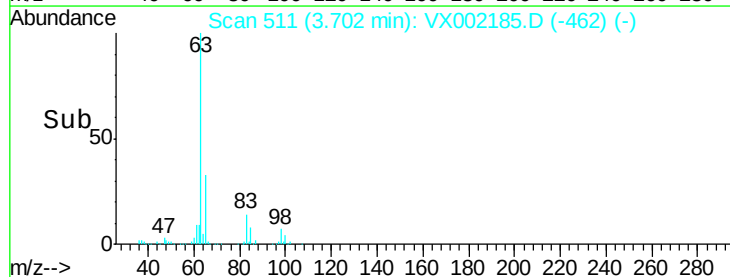
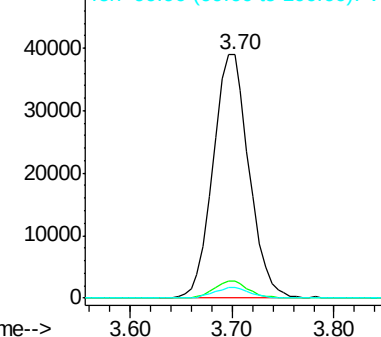
100 4.4 2.1 6.5

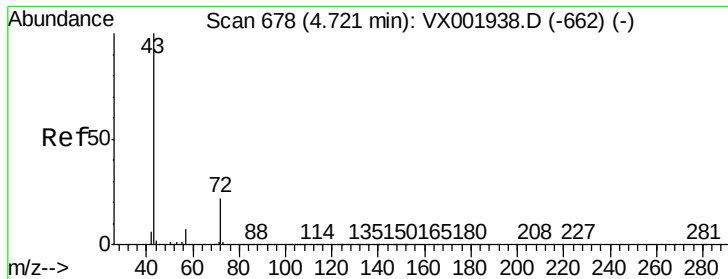


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 114.80 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

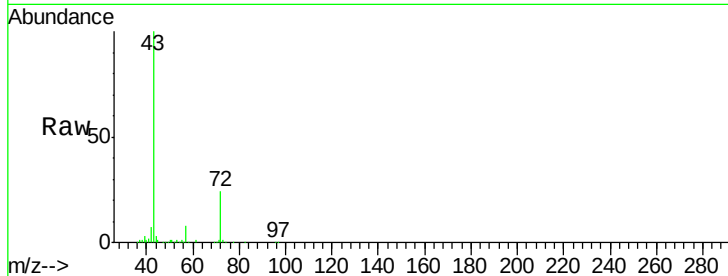
ClientSampled :

Tot Ion: 43 Resp: 256412

Ion Ratio Lower Upper

43 100

72 23.6 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

100000

80000

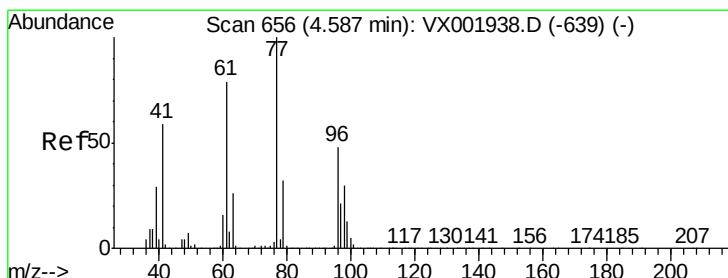
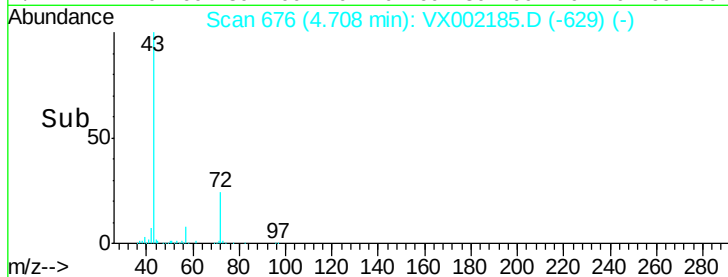
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 17.08 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002185.D

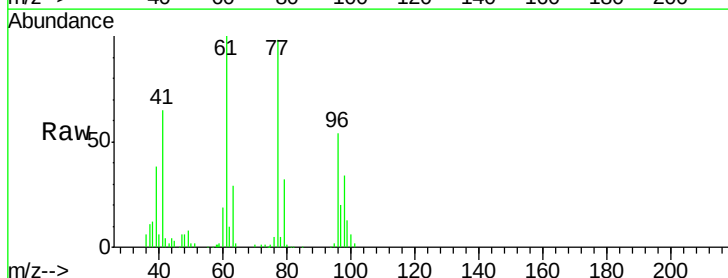
Acq: 31 May 2018 19:30

Tgt Ion: 77 Resp: 72213

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

25000

20000

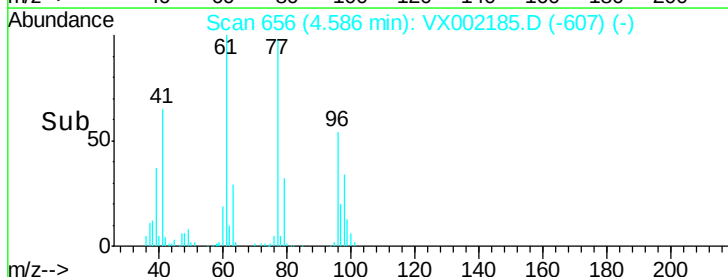
15000

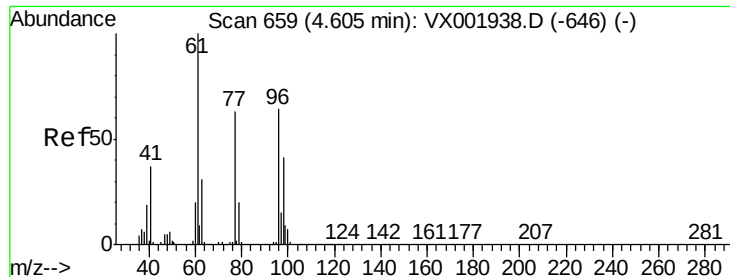
10000

5000

0

Time-->



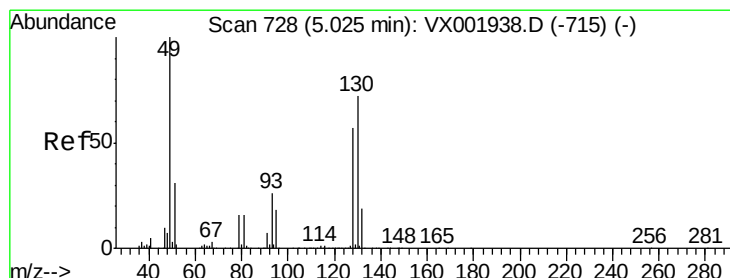
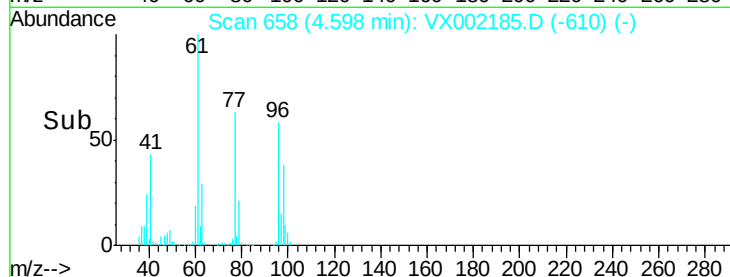
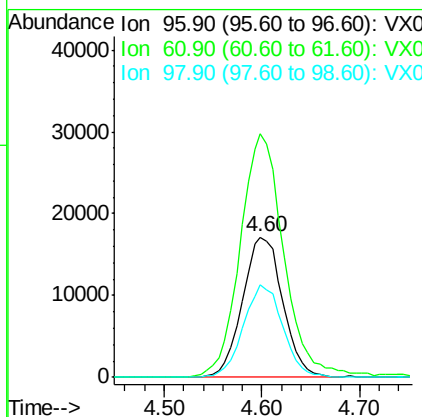
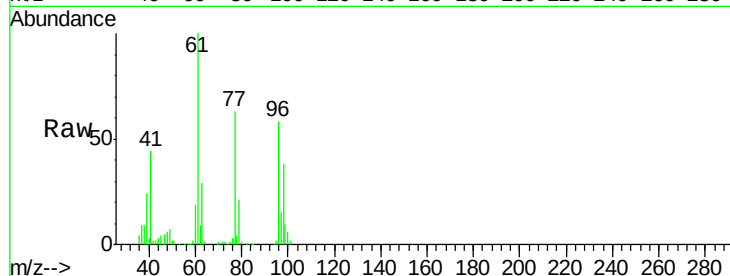


#27

cis-1,2-Dichloroethene
 Concen: 18.20 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX002185.D
 Acq: 31 May 2018 19:30

Instrument :
 MSVOA_X
 ClientSampleId :

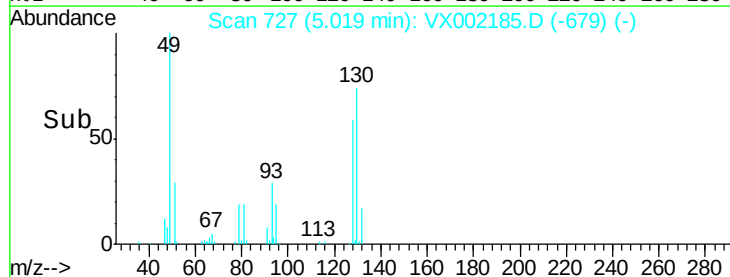
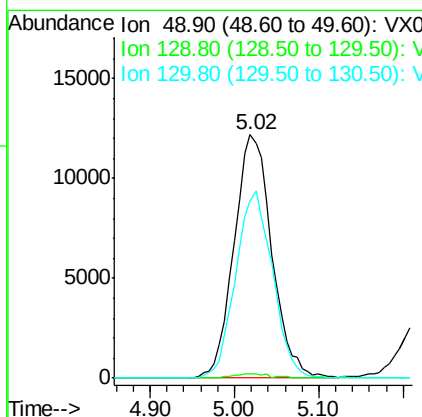
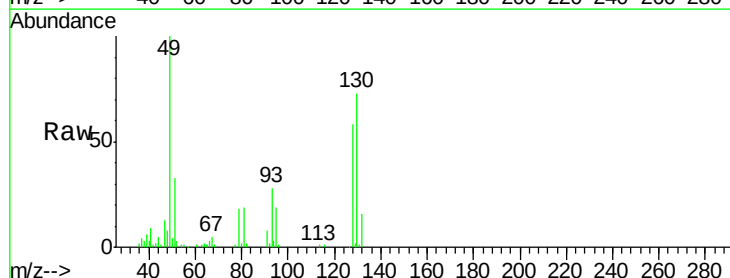
Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	189.6	0.0	348.4	
98	64.6	0.0	128.6	

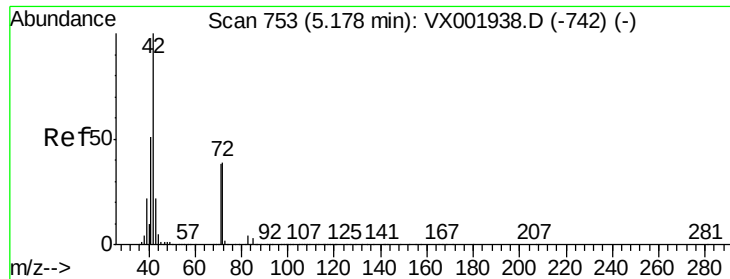


#28

Bromochloromethane
 Concen: 19.86 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX002185.D
 Acq: 31 May 2018 19:30

Tgt Ion	Ion	Ratio	Lower	Upper
49	100			
129	1.7	0.0	3.8	
130	75.2	59.4	89.2	





#29

Tetrahydrofuran

Concen: 108.18 ug/l

RT: 5.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

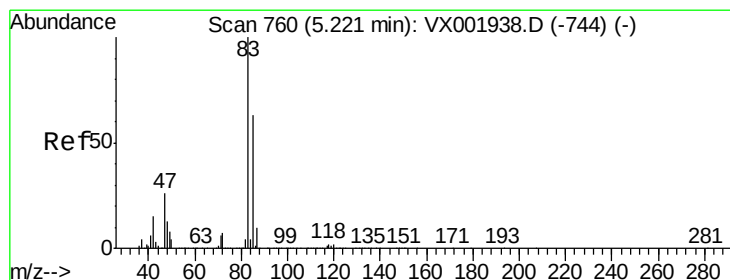
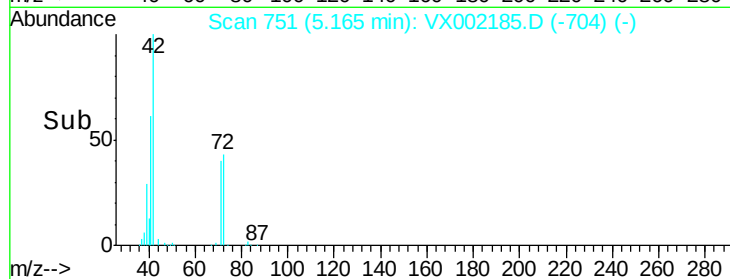
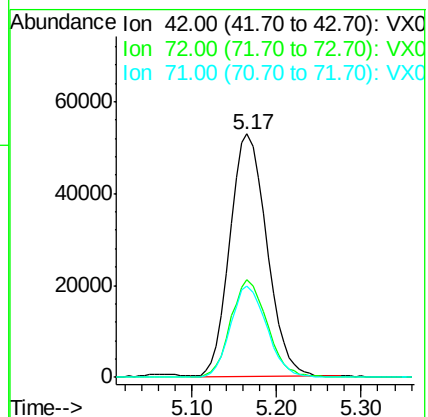
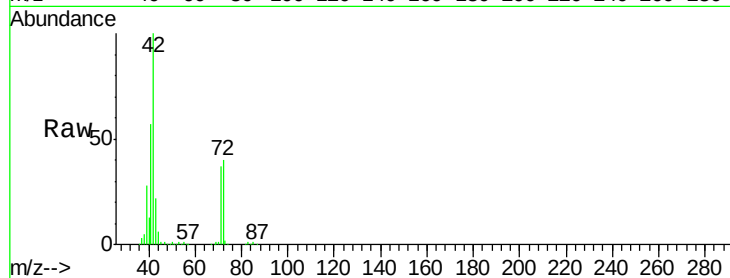
Tot Ion: 42 Resp: 157203

Ion Ratio Lower Upper

42 100

72 39.9 31.4 47.0

71 37.1 29.5 44.3



#30

Chloroform

Concen: 18.63 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX002185.D

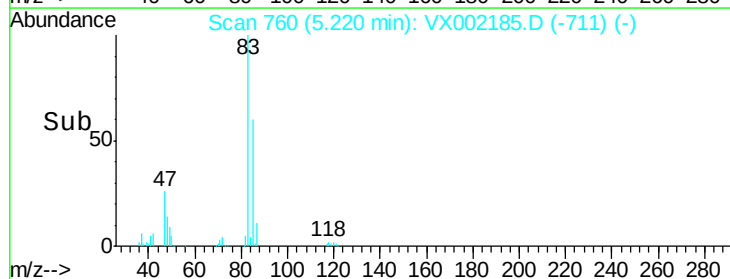
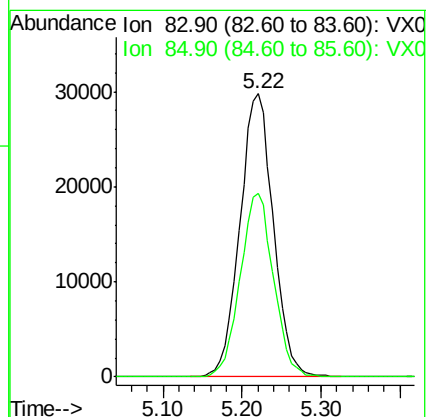
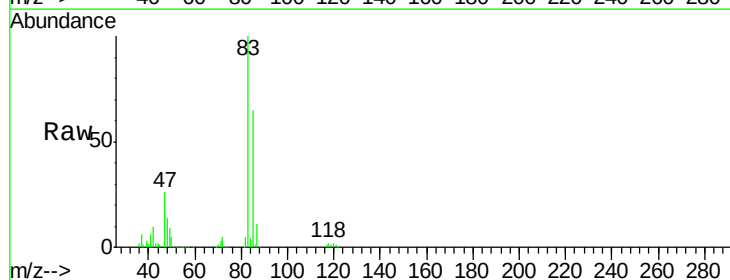
Acq: 31 May 2018 19:30

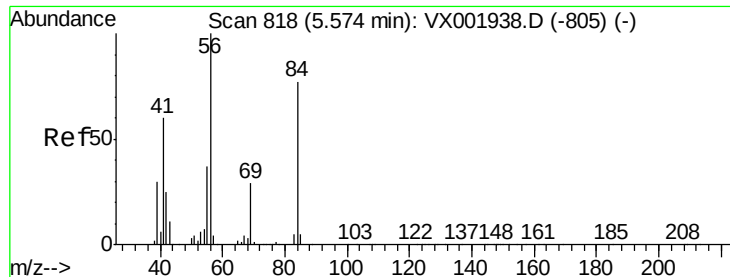
Tgt Ion: 83 Resp: 87647

Ion Ratio Lower Upper

83 100

85 65.0 50.9 76.3

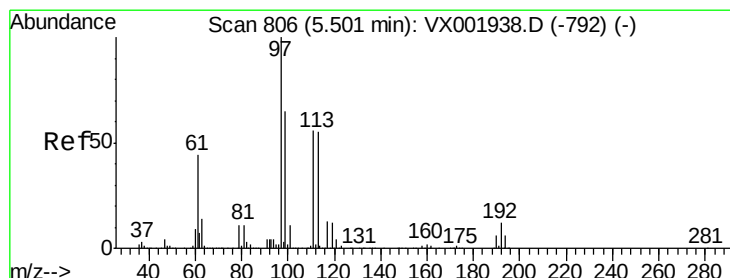
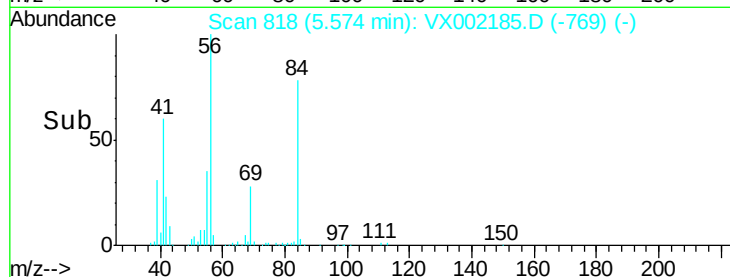
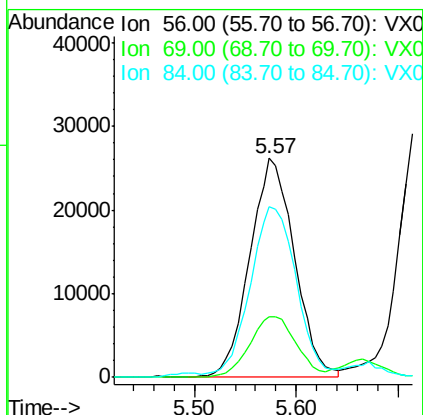
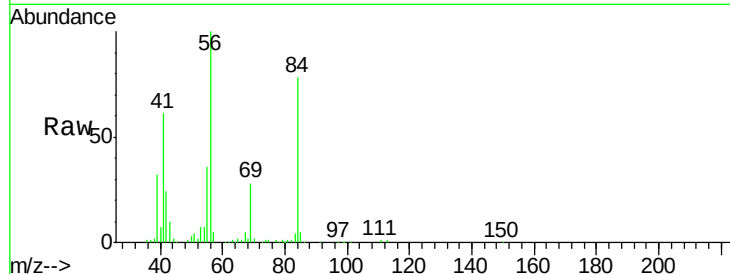




#31
Cyclohexane
Concen: 18.16 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX002185.D
Acq: 31 May 2018 19:30

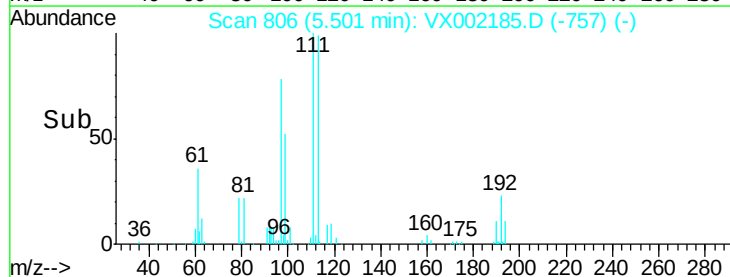
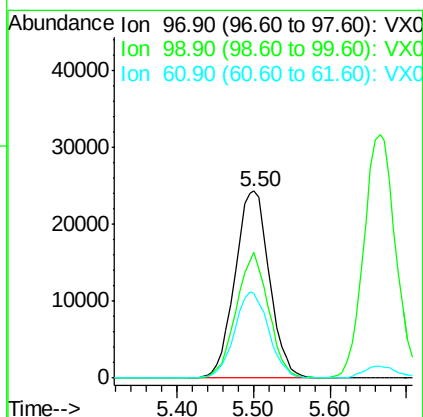
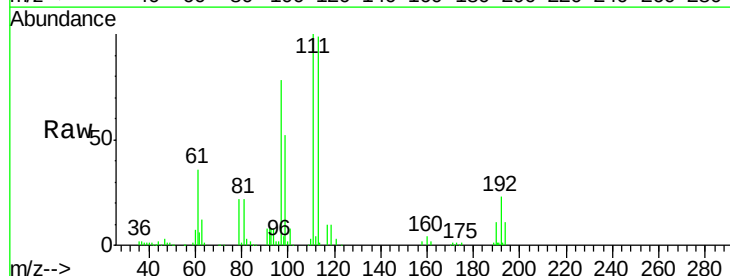
Instrument :
MSVOA_X
ClientSampleId :

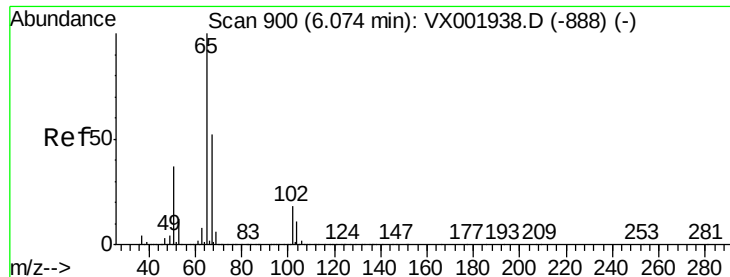
Tot Ion: 56 Resp: 79010
Ion Ratio Lower Upper
56 100
69 27.7 23.1 34.7
84 76.2 62.0 93.0



#32
1,1,1-Trichloroethane
Concen: 17.28 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX002185.D
Acq: 31 May 2018 19:30

Tgt Ion: 97 Resp: 75791
Ion Ratio Lower Upper
97 100
99 63.4 51.9 77.9
61 45.8 35.9 53.9

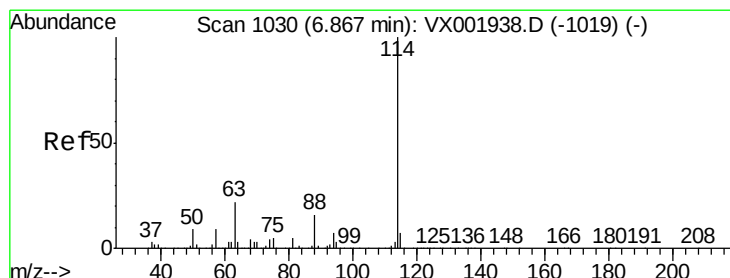
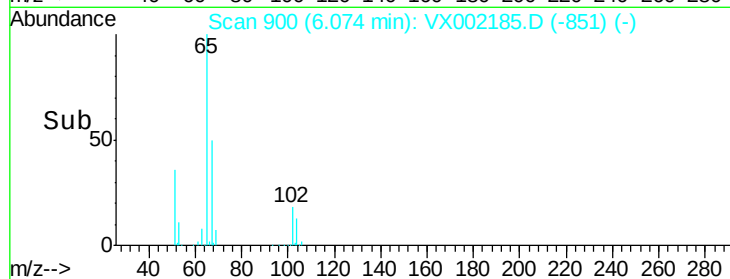
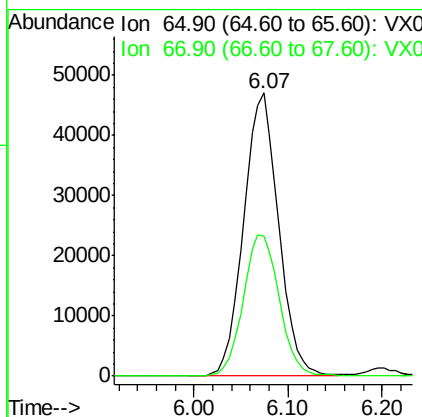
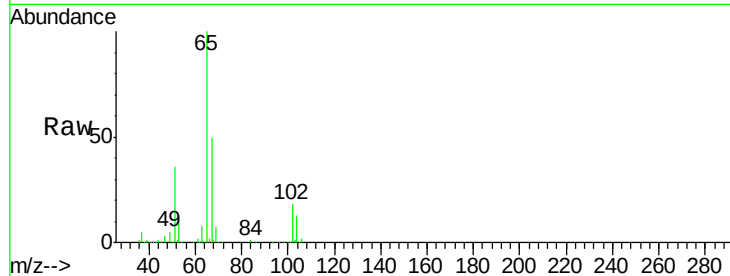




#33
 1,2-Dichloroethane-d4
 Concen: 38.69 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002185.D
 Acq: 31 May 2018 19:30

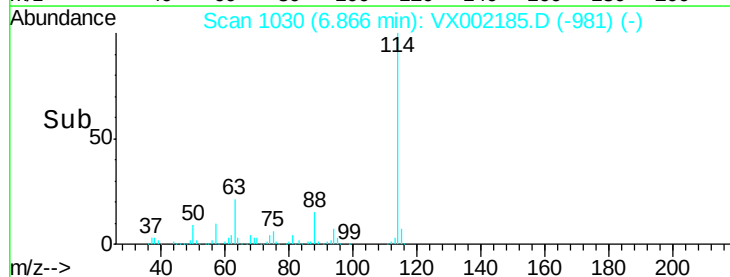
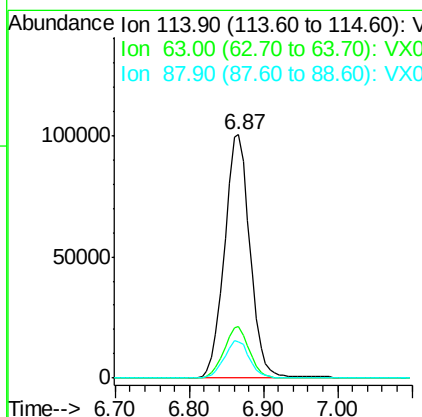
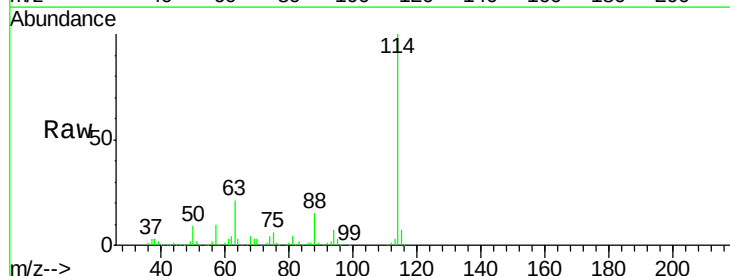
Instrument :
 MSVOA_X
 ClientSampleId :

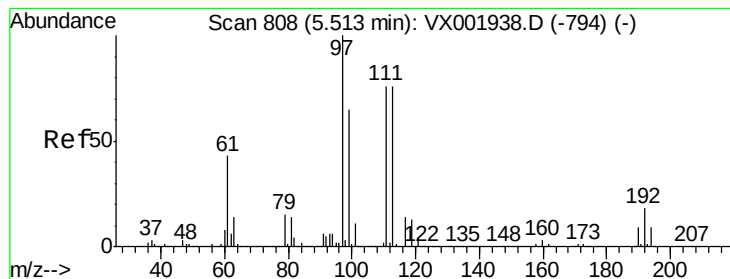
Tot Ion: 65 Resp: 122153
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002185.D
 Acq: 31 May 2018 19:30

Tgt Ion: 114 Resp: 241103
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.2
 88 15.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 37.63 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

ClientSampled :

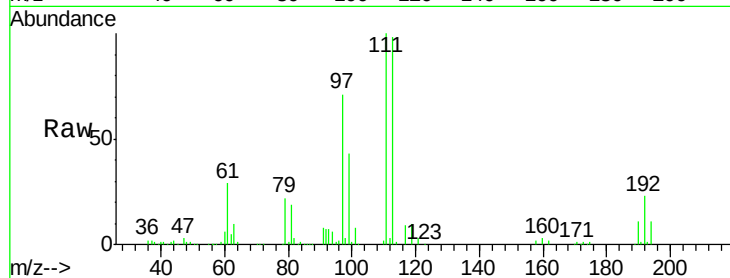
Tot Ion:113 Resp: 90732

Ion Ratio Lower Upper

113 100

111 101.4 82.0 123.0

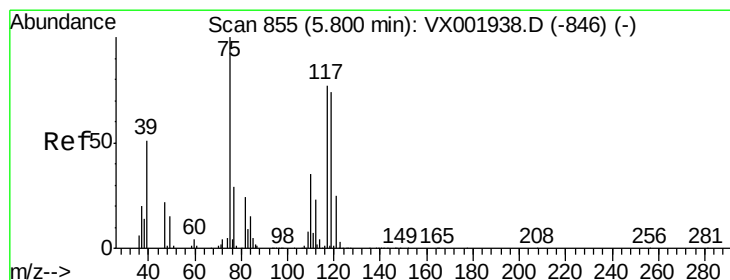
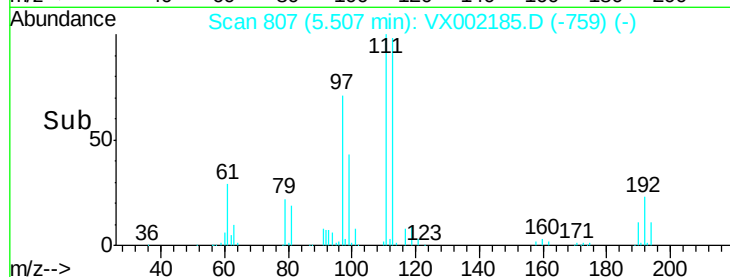
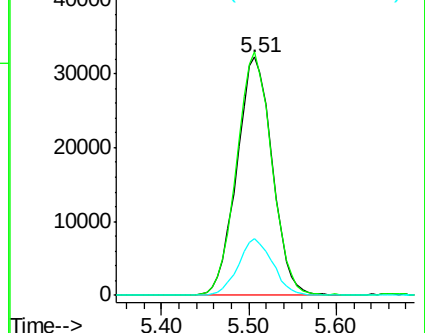
192 23.1 18.9 28.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.60 ug/l

RT: 5.81 min Scan# 856

Delta R.T. 0.01 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

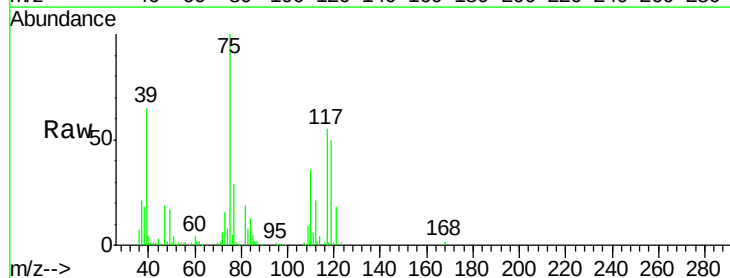
Tgt Ion: 75 Resp: 62379

Ion Ratio Lower Upper

75 100

110 35.8 17.4 52.2

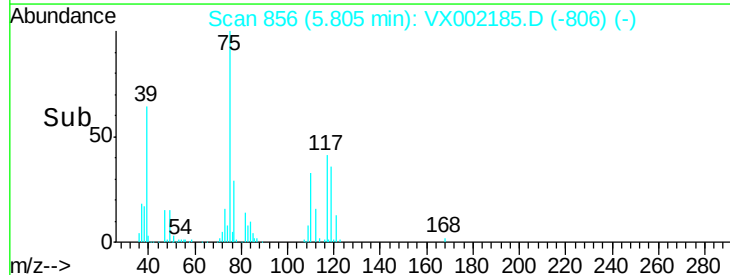
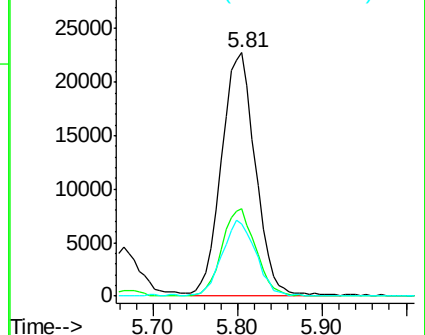
77 31.3 24.4 36.6

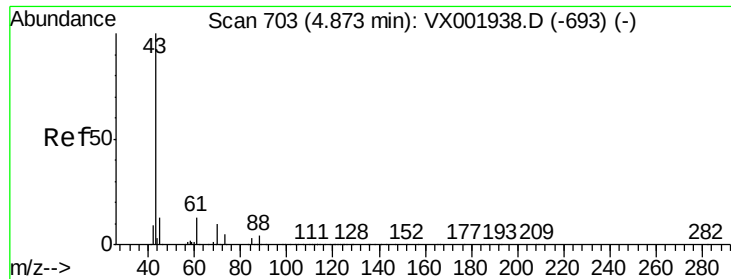


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

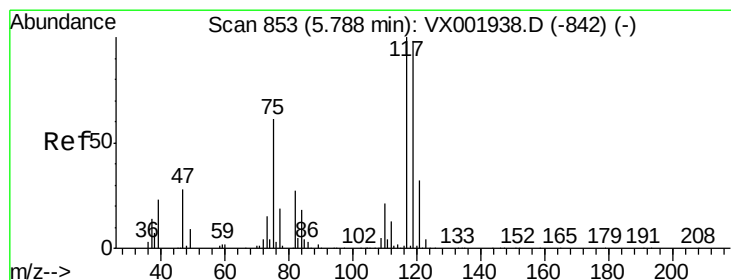
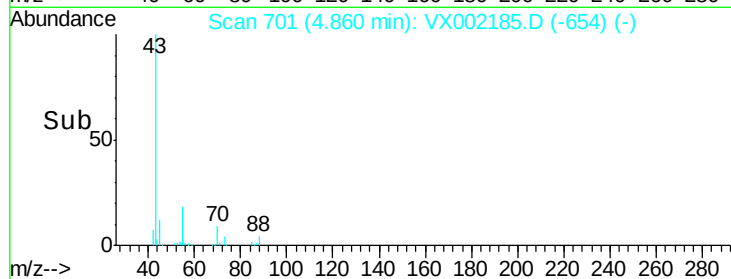
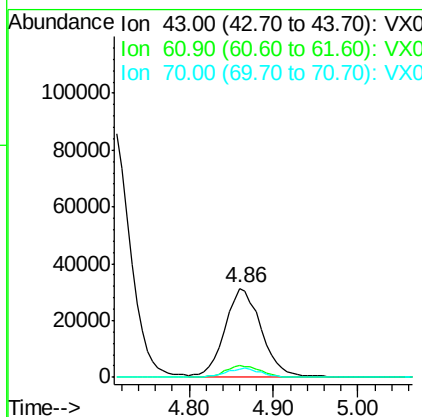
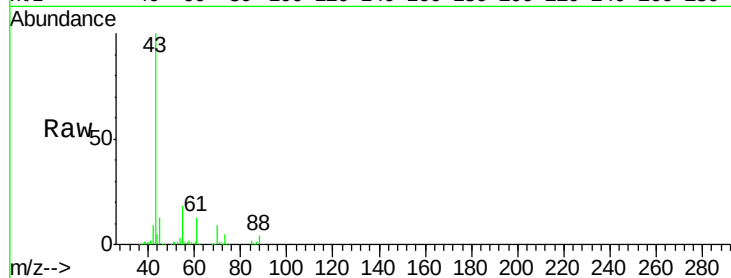




#37
Ethyl Acetate
Concen: 20.72 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002185.D
Acq: 31 May 2018 19:30

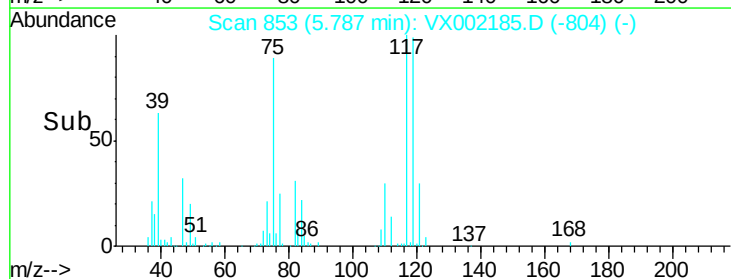
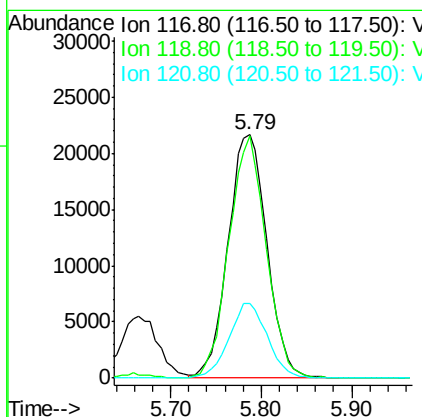
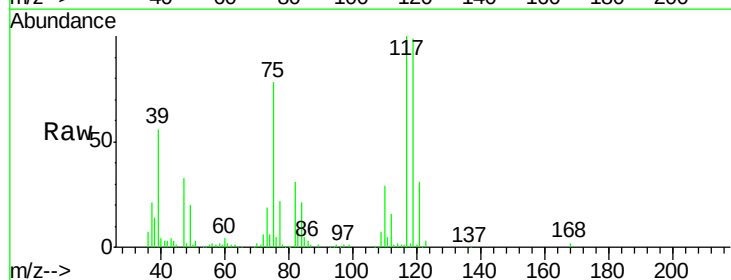
Instrument :
MSVOA_X
ClientSampled :

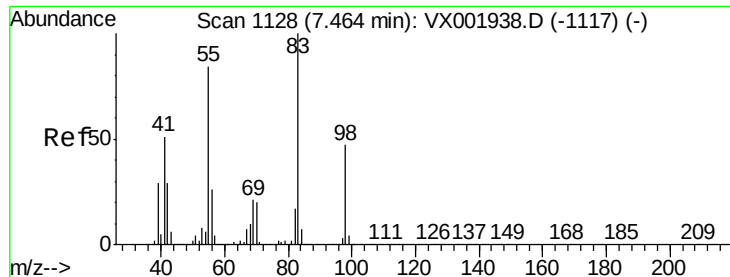
Tot Ion	43	Resp	90590
Ion Ratio	Lower	Upper	
43	100		
61	12.9	10.2	15.2
70	9.9	7.8	11.8



#38
Carbon Tetrachloride
Concen: 16.50 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002185.D
Acq: 31 May 2018 19:30

Tgt Ion	117	Resp	64517
Ion Ratio	Lower	Upper	
117	100		
119	99.3	78.5	117.7
121	30.7	25.5	38.3

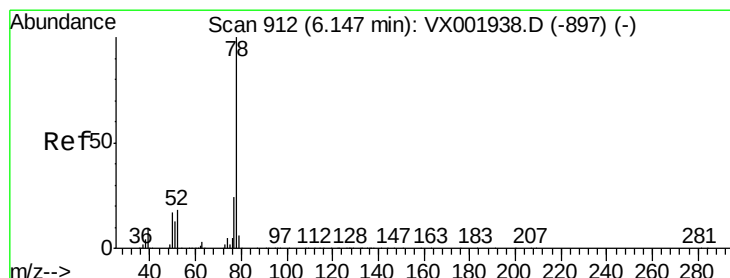
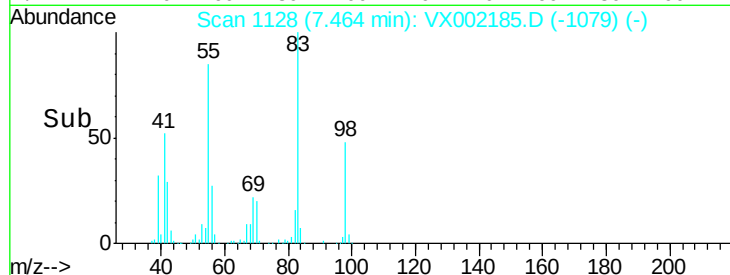
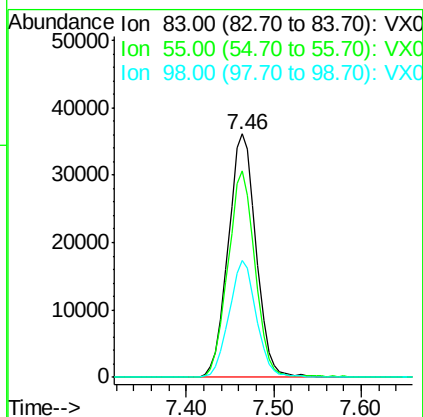
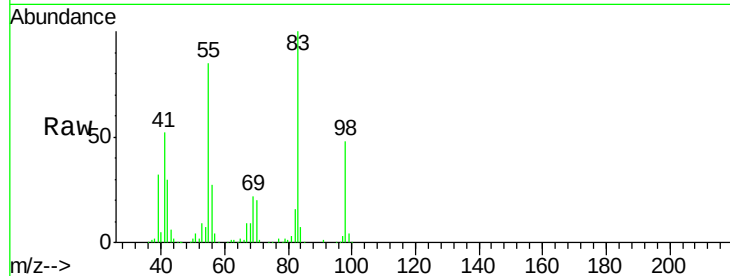




#39
Methylvlcyclohexane
Concen: 19.49 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002185.D
Acq: 31 May 2018 19:30

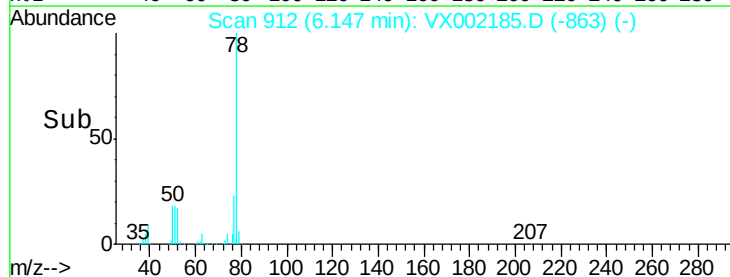
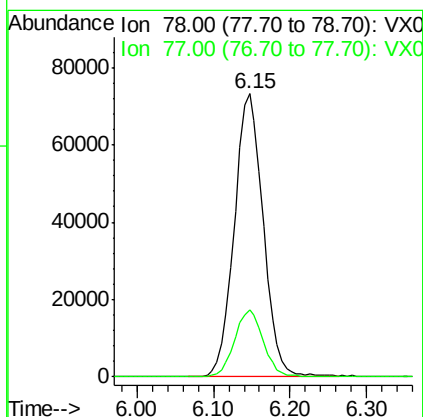
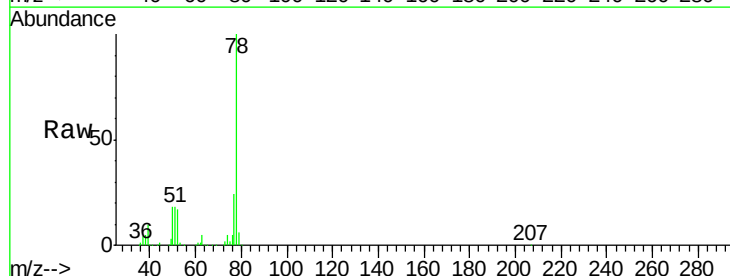
Instrument :
MSVOA_X
ClientSampleId :

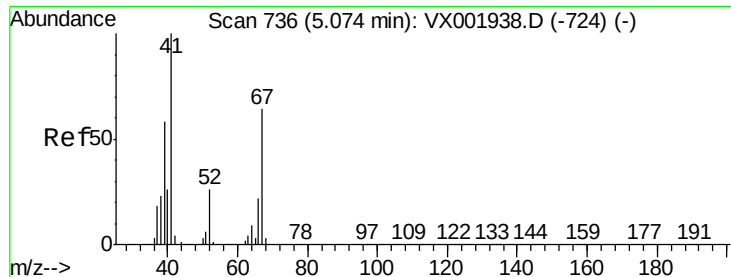
Tot Ion: 83 Resp: 80292
Ion Ratio Lower Upper
83 100
55 84.6 67.3 100.9
98 47.8 37.5 56.3



#40
Benzene
Concen: 19.50 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002185.D
Acq: 31 May 2018 19:30

Tgt Ion: 78 Resp: 191574
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7

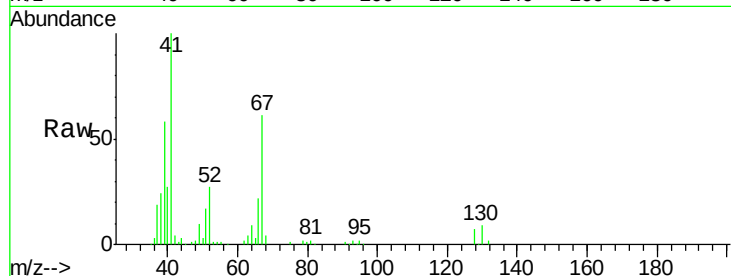




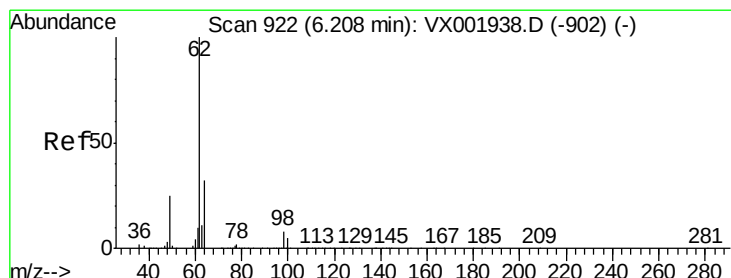
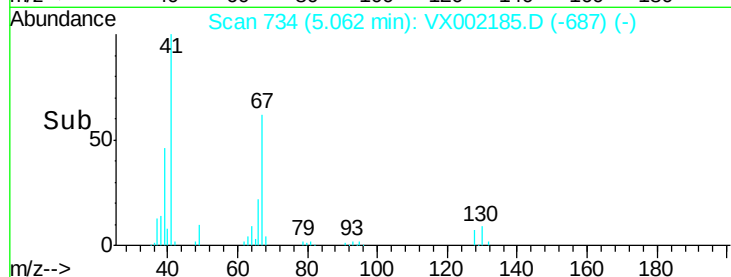
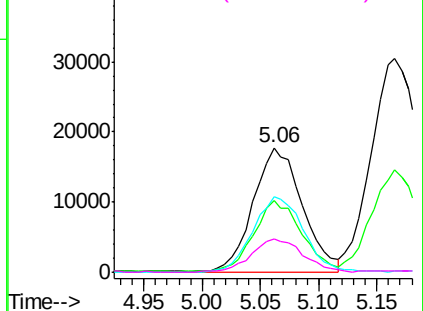
#41
Methacrylonitrile
Concen: 21.59 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002185.D
Acq: 31 May 2018 19:30

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	51590
Ion	Ratio	Lower	Upper
41	100		
39	55.9	46.0	69.0
67	63.0	50.6	75.8
52	28.4	21.9	32.9

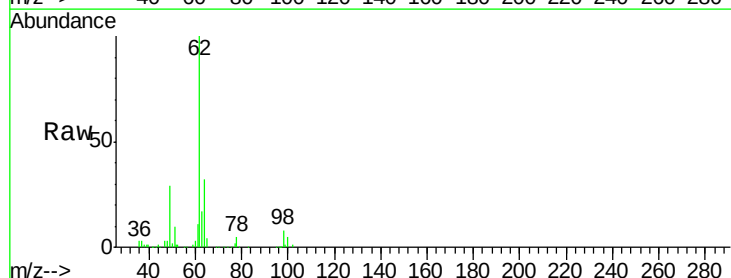


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

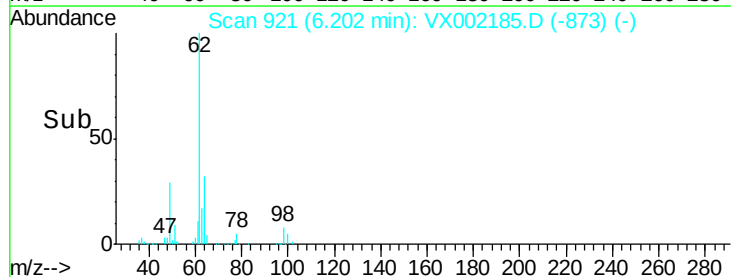
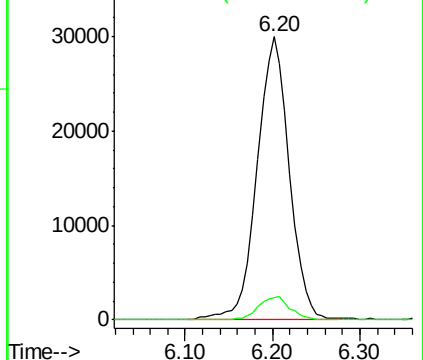


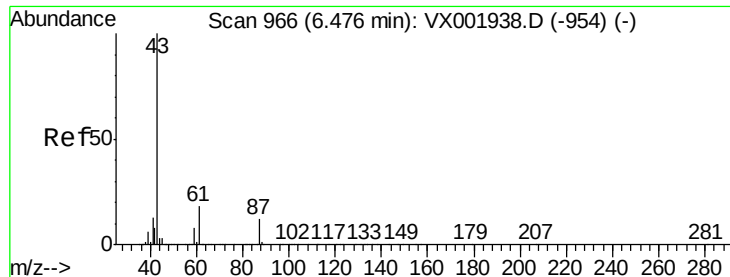
#42
1,2-Dichloroethane
Concen: 19.36 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002185.D
Acq: 31 May 2018 19:30

Tgt Ion:	62	Resp:	75976
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: 19.76 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

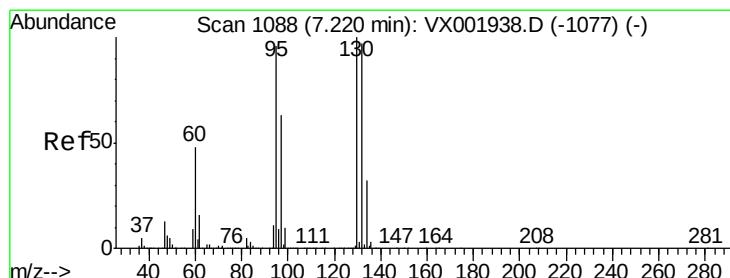
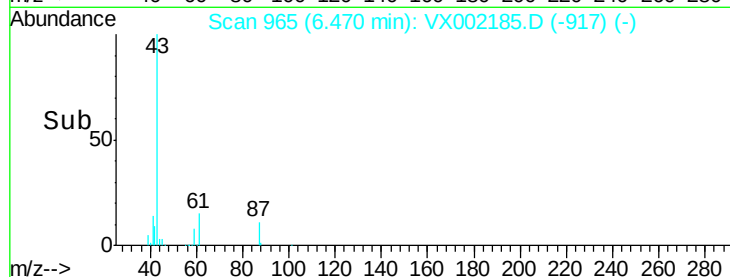
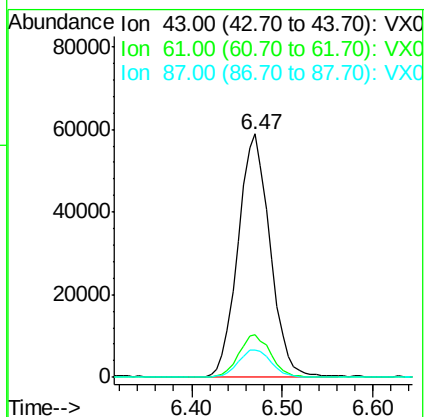
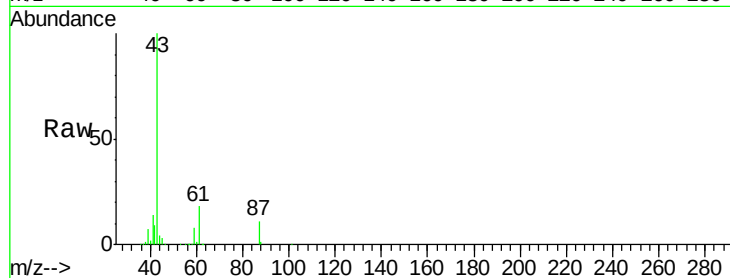
Tot Ion: 43 Resp: 143917

Ion Ratio Lower Upper

43 100

61 17.5 14.5 21.7

87 11.7 9.5 14.3



#44

Trichloroethene

Concen: 18.74 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX002185.D

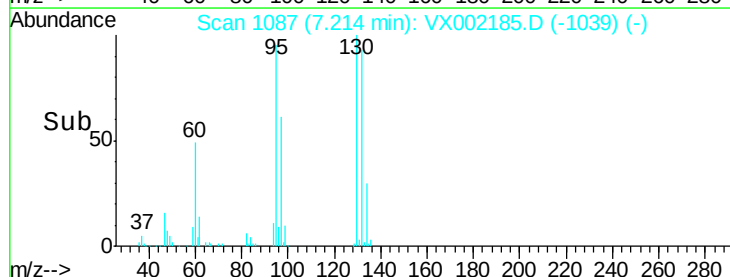
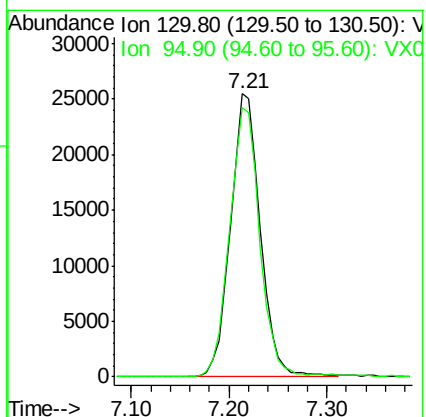
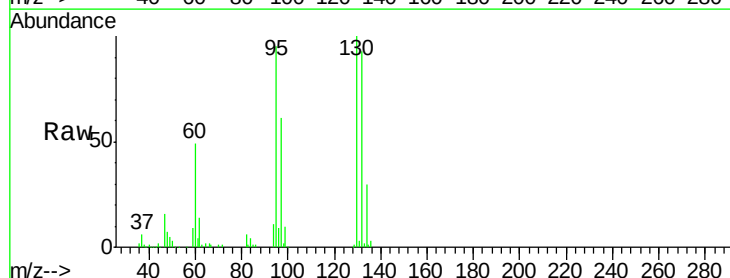
Acq: 31 May 2018 19:30

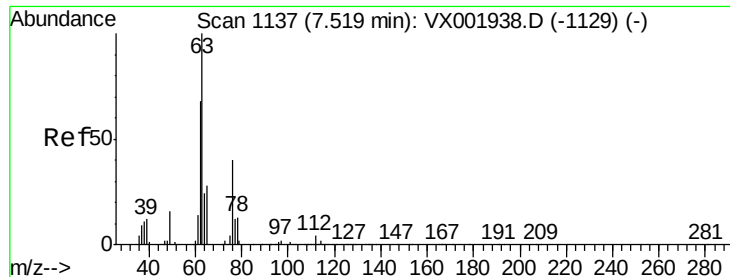
Tgt Ion: 130 Resp: 53651

Ion Ratio Lower Upper

130 100

95 95.1 0.0 192.0





#45

1,2-Dichloropropane

Concen: 19.67 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

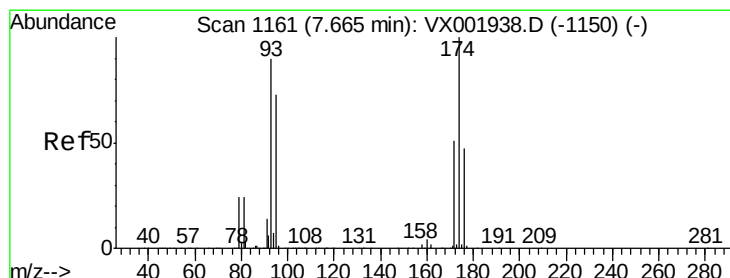
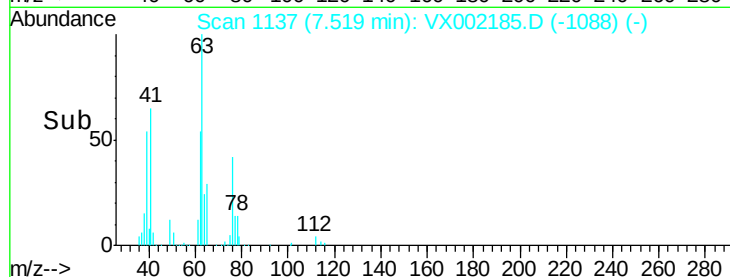
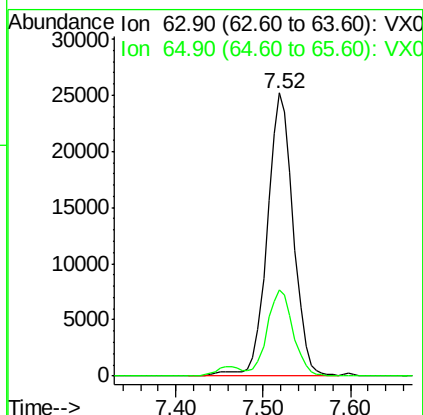
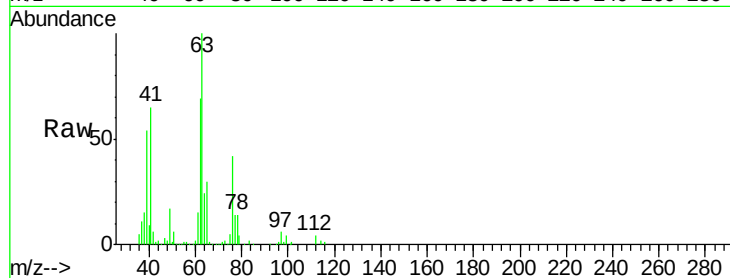
ClientSampleId :

Tot Ion: 63 Resp: 52479

Ion Ratio Lower Upper

63 100

65 30.3 24.1 36.1



#46

Dibromomethane

Concen: 19.79 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

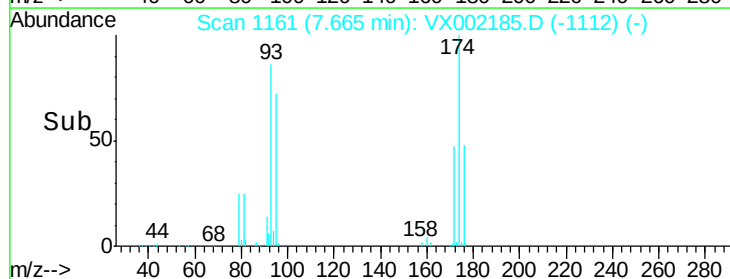
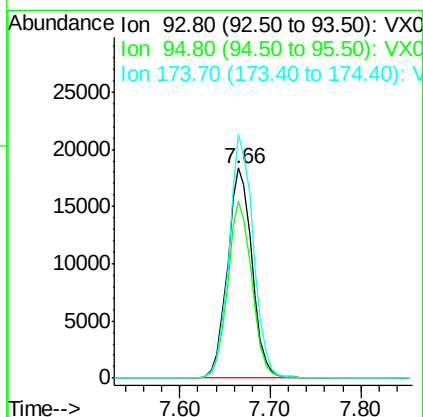
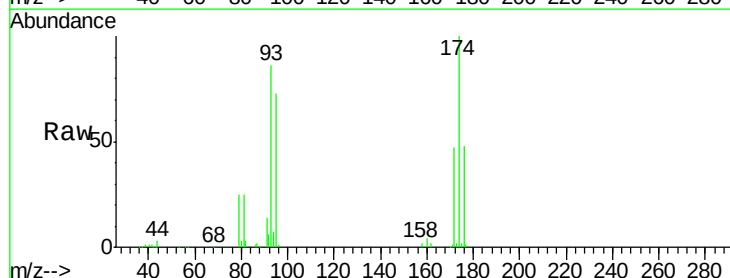
Tgt Ion: 93 Resp: 34952

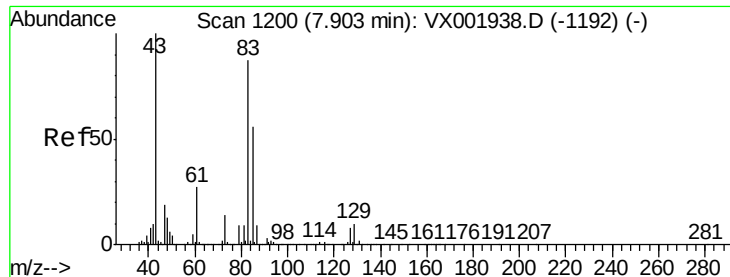
Ion Ratio Lower Upper

93 100

95 82.5 66.1 99.1

174 113.9 92.5 138.7





#47

Bromodichloromethane

Concen: 16.05 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

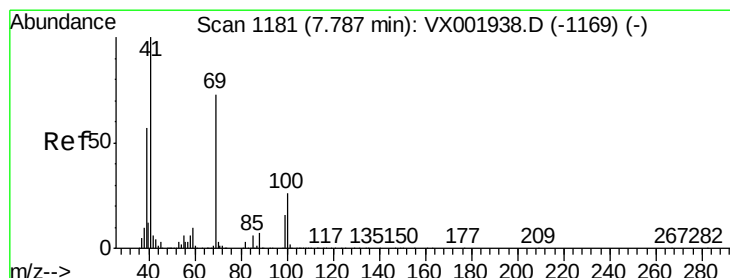
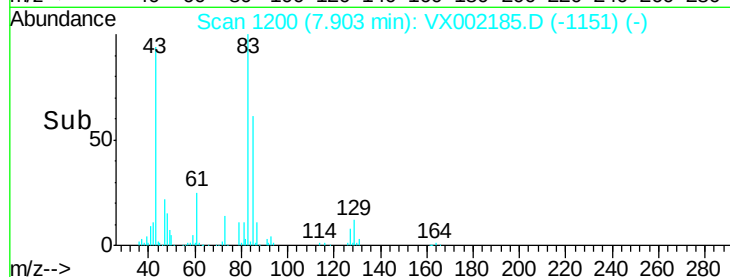
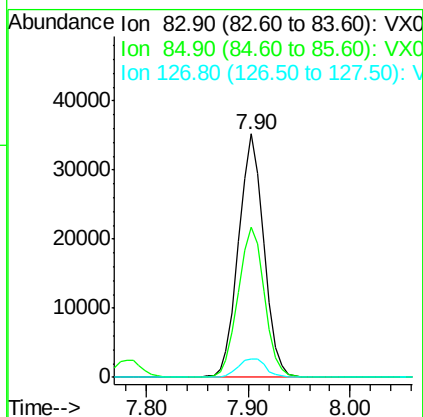
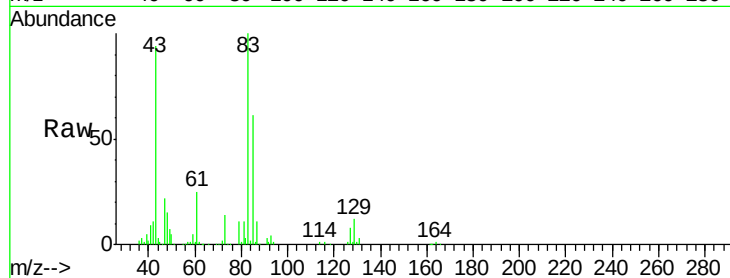
Tot Ion: 83 Resp: 60468

Ion Ratio Lower Upper

83 100

85 61.4 51.4 77.2

127 7.7 7.1 10.7



#48

Methyl methacrylate

Concen: 19.29 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

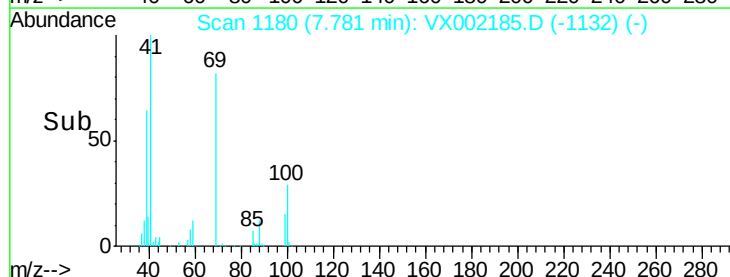
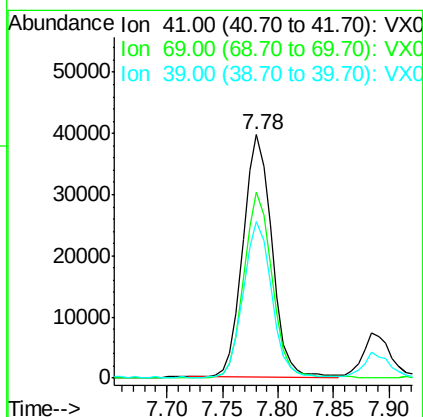
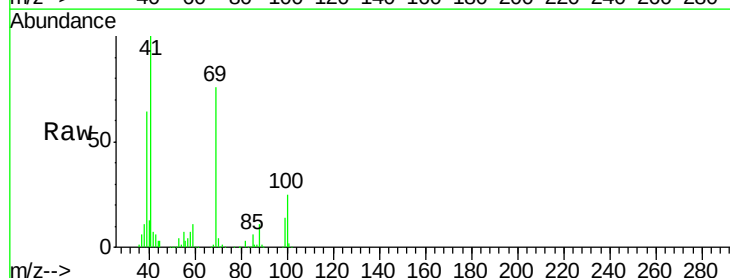
Tgt Ion: 41 Resp: 71509

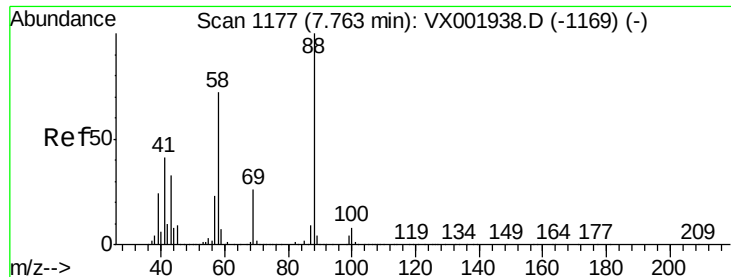
Ion Ratio Lower Upper

41 100

69 75.8 58.6 87.8

39 63.1 46.3 69.5





#49

1,4-Dioxane

Concen: 493.36 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

ClientSampled :

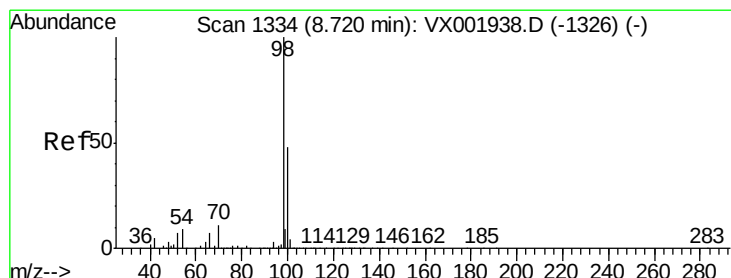
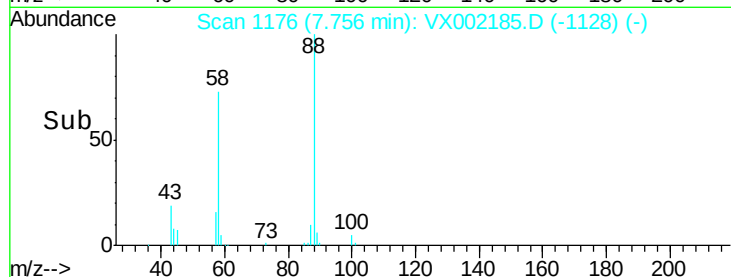
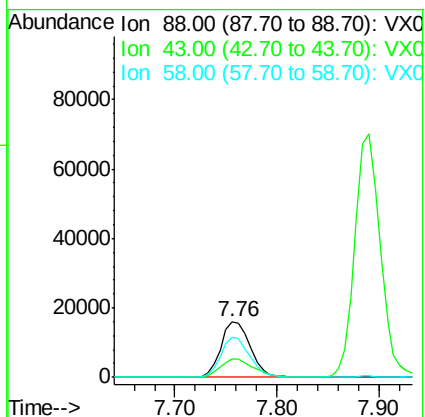
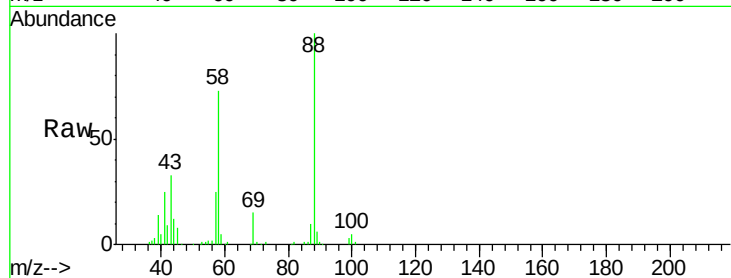
Tot Ion: 88 Resp: 32235

Ion Ratio Lower Upper

88 100

43 35.8 29.8 44.8

58 72.0 58.7 88.1



#50

Toluene-d8

Concen: 38.52 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002185.D

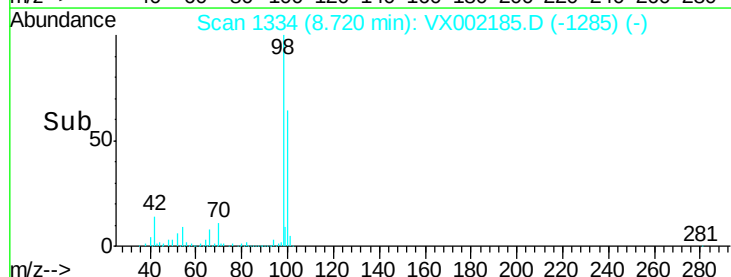
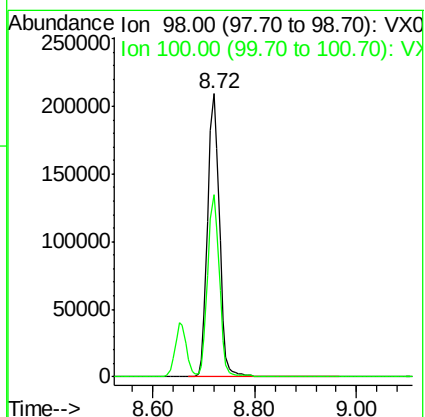
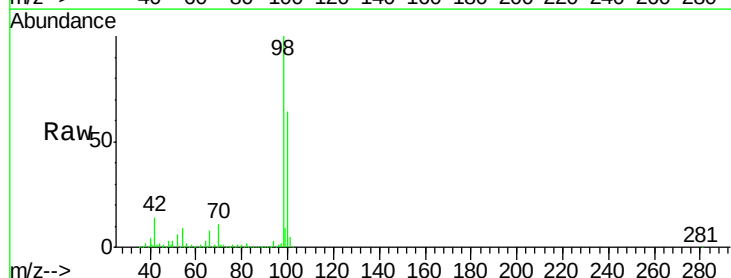
Acq: 31 May 2018 19:30

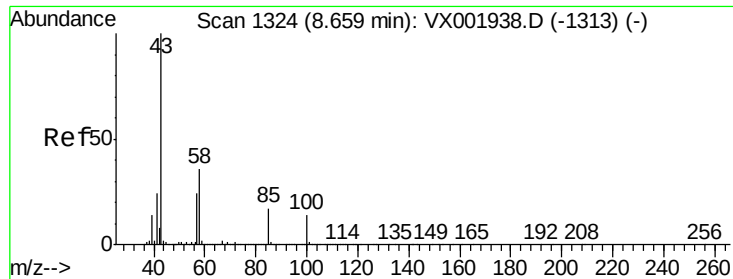
Tgt Ion: 98 Resp: 336236

Ion Ratio Lower Upper

98 100

100 64.2 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 111.68 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

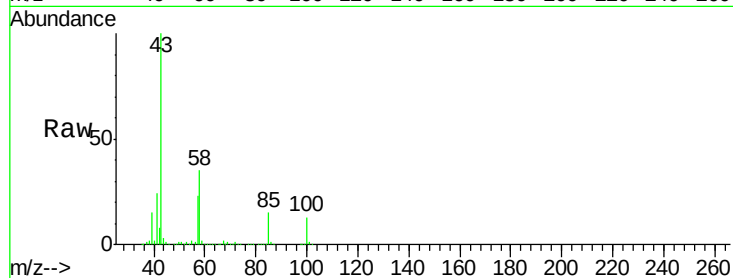
ClientSampleId :

Tot Ion: 43 Resp: 490434

Ion Ratio Lower Upper

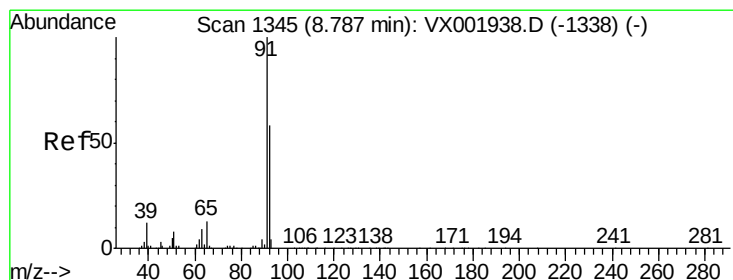
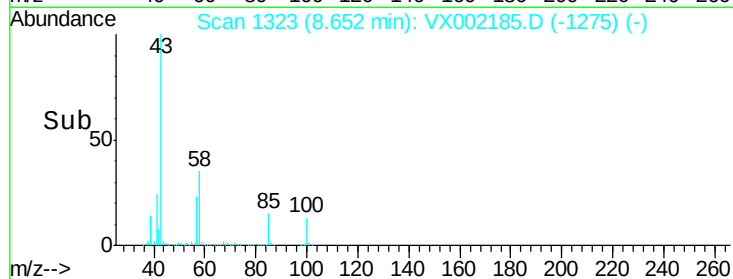
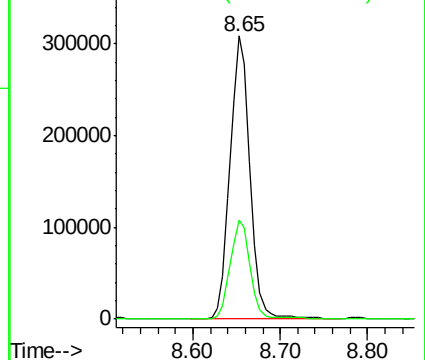
43 100

58 34.7 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.47 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002185.D

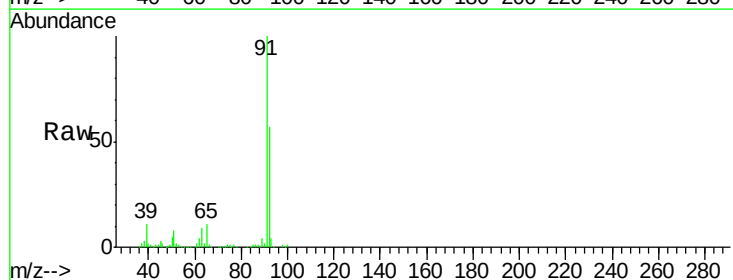
Acq: 31 May 2018 19:30

Tgt Ion: 92 Resp: 121726

Ion Ratio Lower Upper

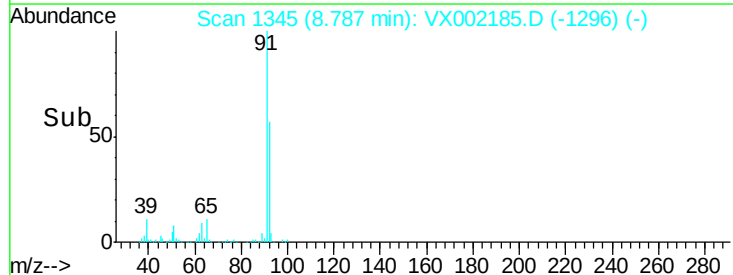
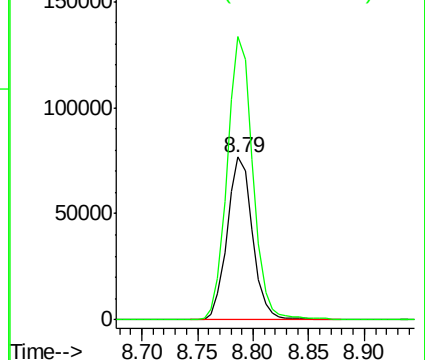
92 100

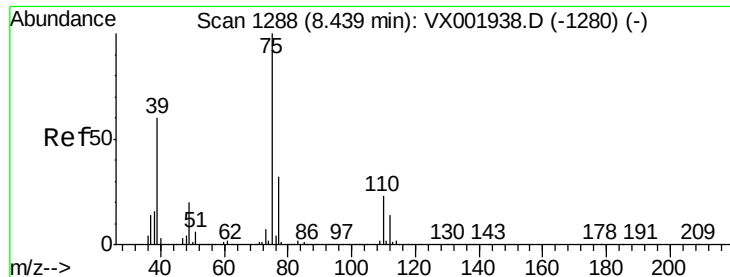
91 175.0 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 16.93 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

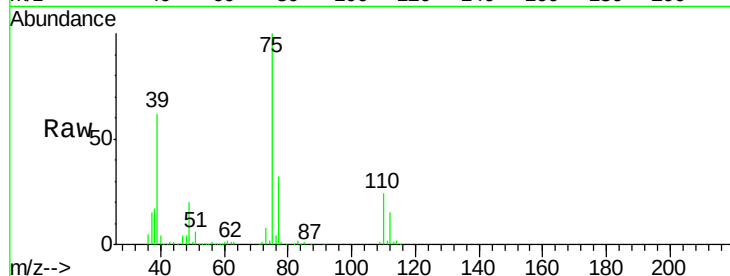
ClientSampled :

Tot Ion: 75 Resp: 73455

Ion Ratio Lower Upper

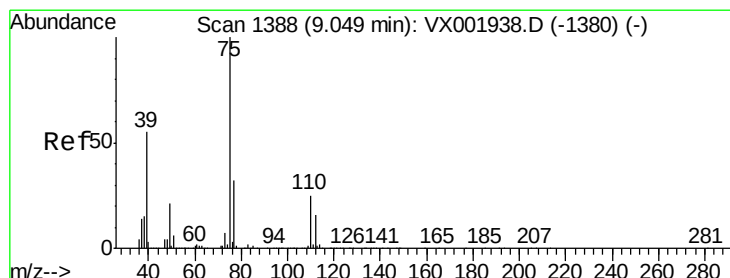
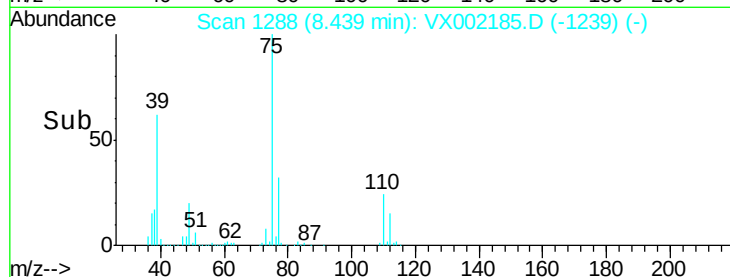
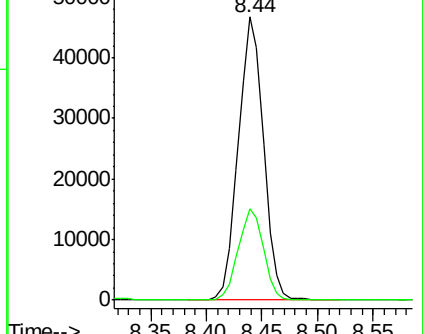
75 100

77 32.2 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 16.24 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

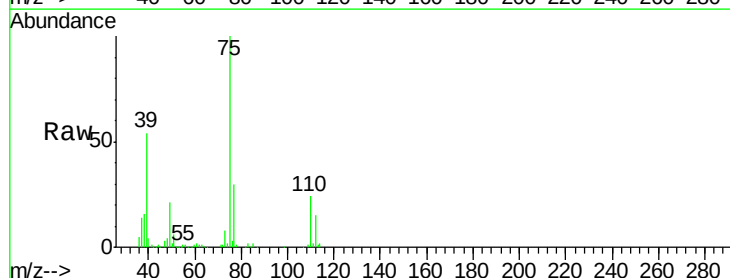
Tgt Ion: 75 Resp: 68654

Ion Ratio Lower Upper

75 100

77 30.2 25.4 38.0

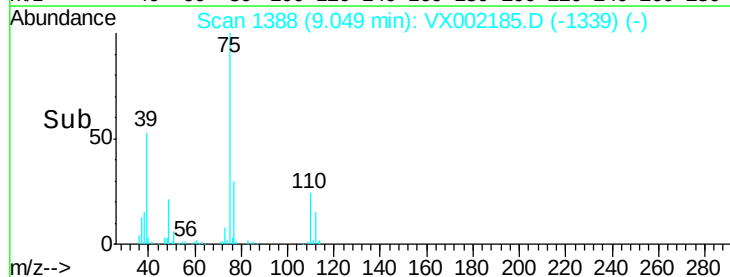
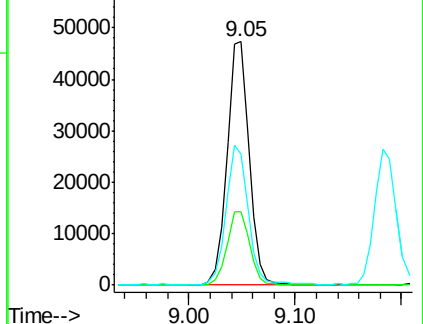
39 53.4 44.1 66.1

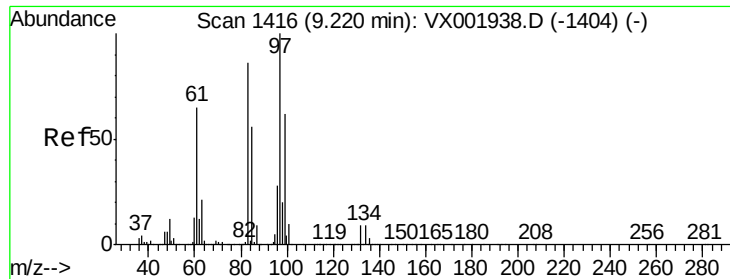


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

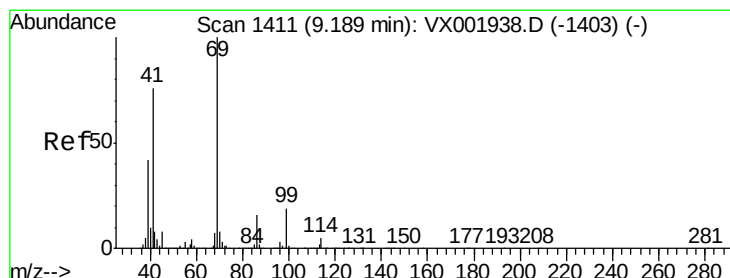
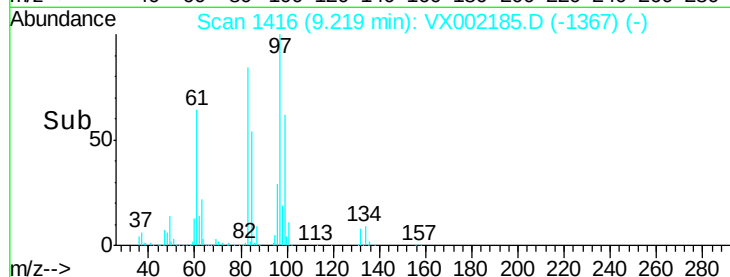
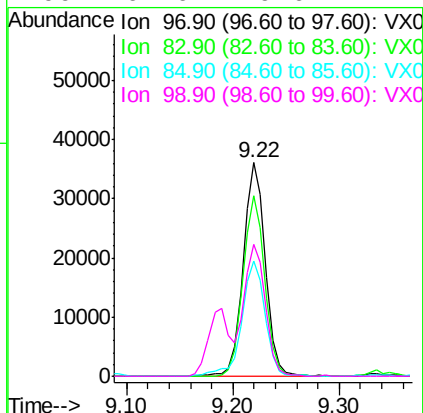
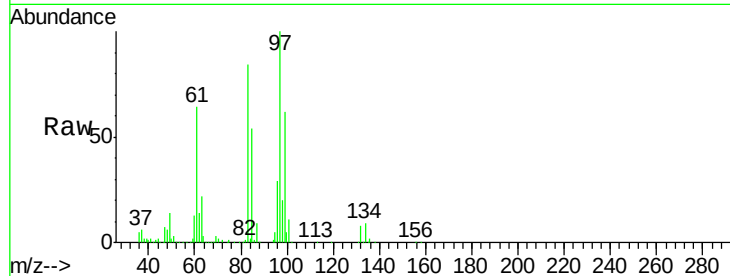




#55
 1,1,2-Trichloroethane
 Concen: 20.01 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002185.D
 Acq: 31 May 2018 19:30

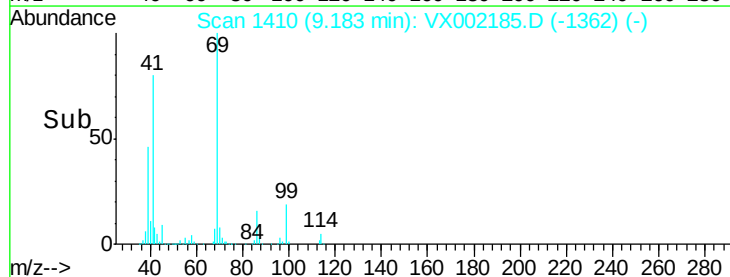
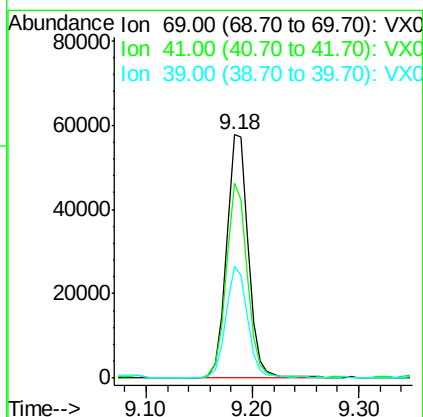
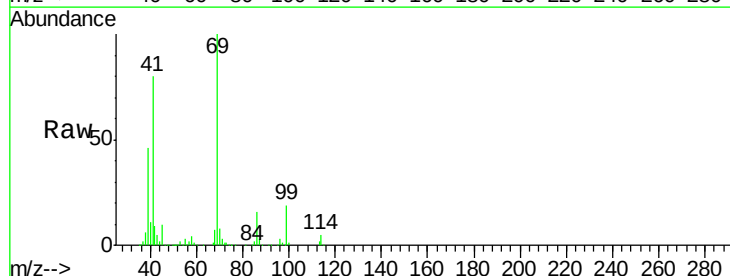
Instrument :
 MSVOA_X
 ClientSampleId :

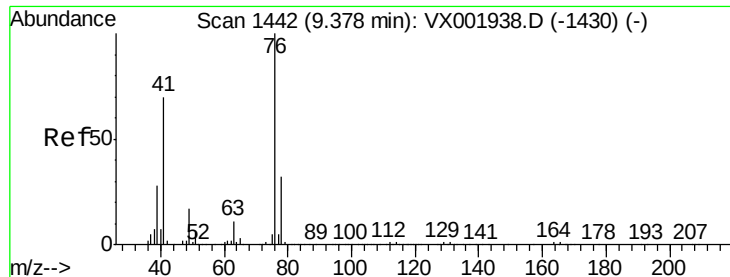
Tot Ion:	97	Resp:	52271
Ion	Ratio	Lower	Upper
97	100		
83	84.3	69.1	103.7
85	53.8	45.2	67.8
99	61.6	49.6	74.4



#56
 Ethyl methacrylate
 Concen: 18.51 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX002185.D
 Acq: 31 May 2018 19:30

Tgt Ion:	69	Resp:	83173
Ion	Ratio	Lower	Upper
69	100		
41	76.9	61.0	91.6
39	45.6	34.4	51.6





#57

1,3-Dichloropropane

Concen: 19.95 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

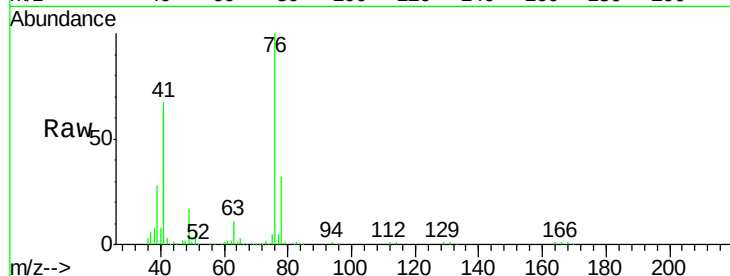
ClientSampleId :

Tot Ion: 76 Resp: 85838

Ion Ratio Lower Upper

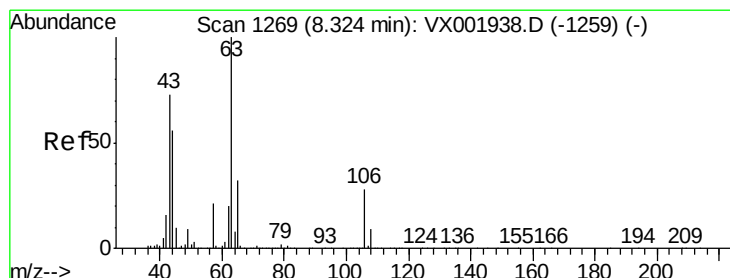
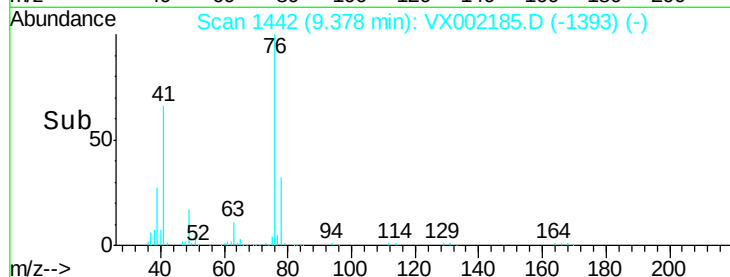
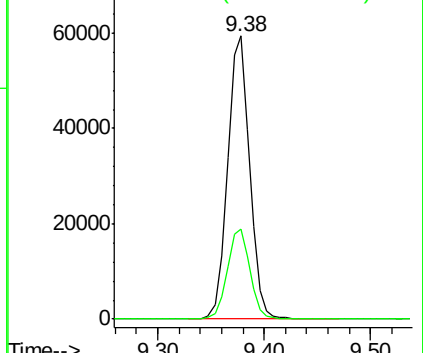
76 100

78 32.8 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 85.80 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002185.D

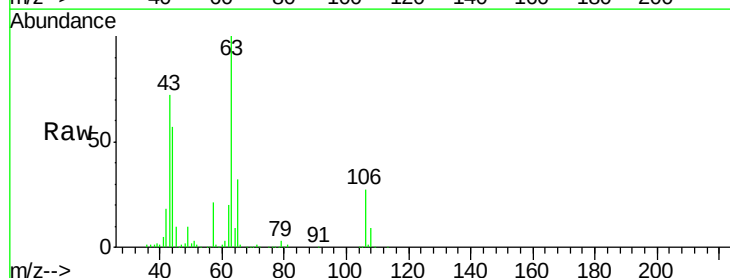
Acq: 31 May 2018 19:30

Tgt Ion: 63 Resp: 170861

Ion Ratio Lower Upper

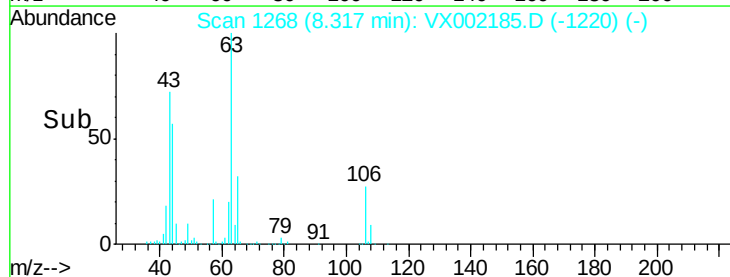
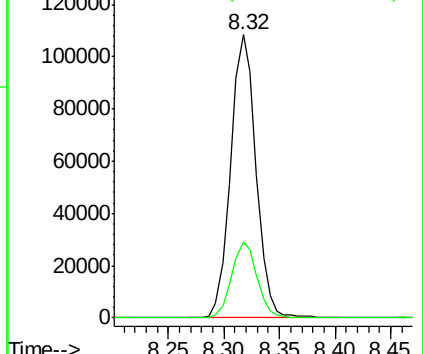
63 100

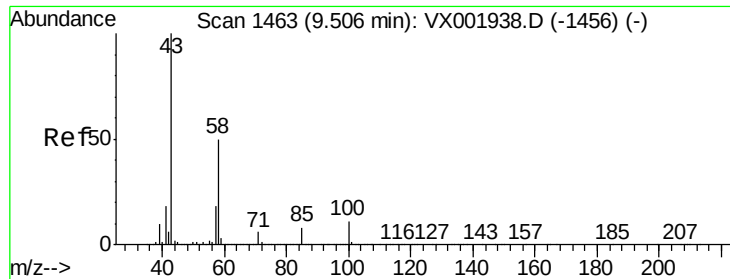
106 26.8 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

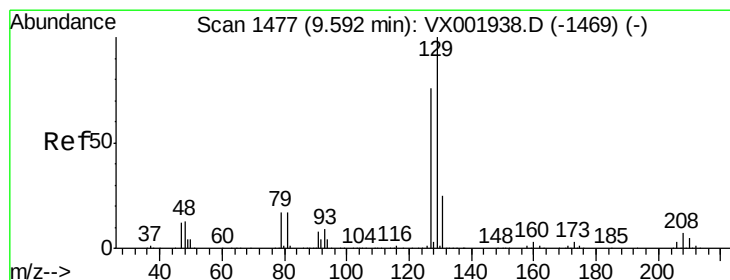
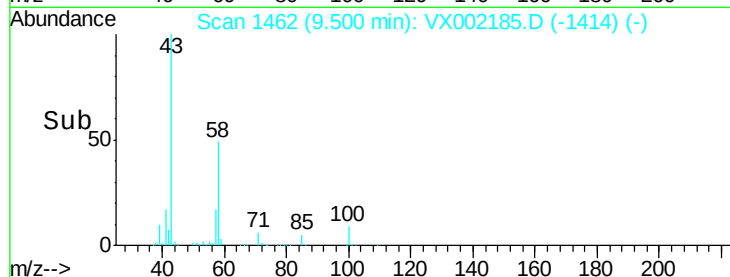
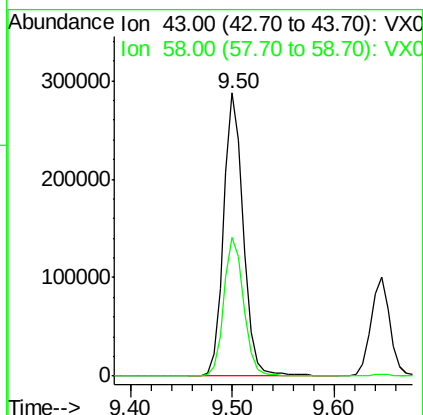
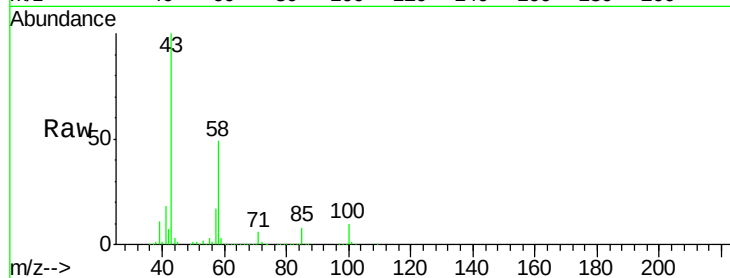




#59
2-Hexanone
Concen: 114.19 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002185.D
Acq: 31 May 2018 19:30

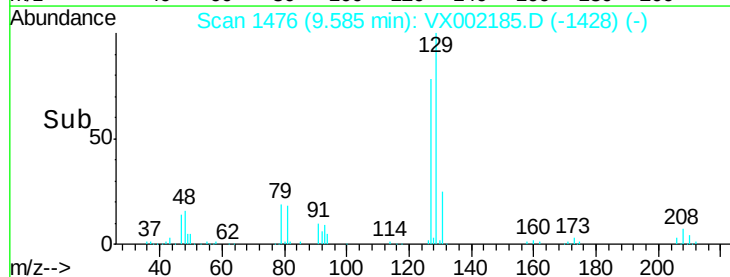
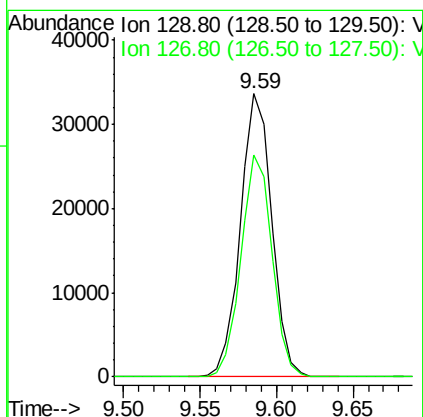
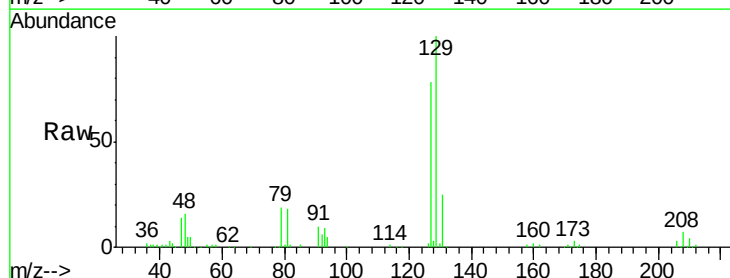
Instrument :
MSVOA_X
ClientSampleId :

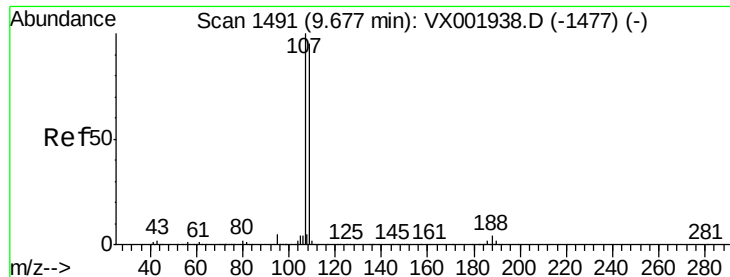
Tot Ion: 43 Resp: 386681
Ion Ratio Lower Upper
43 100
58 49.6 24.9 74.6



#60
Dibromochloromethane
Concen: 15.51 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002185.D
Acq: 31 May 2018 19:30

Tgt Ion: 129 Resp: 47978
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.9

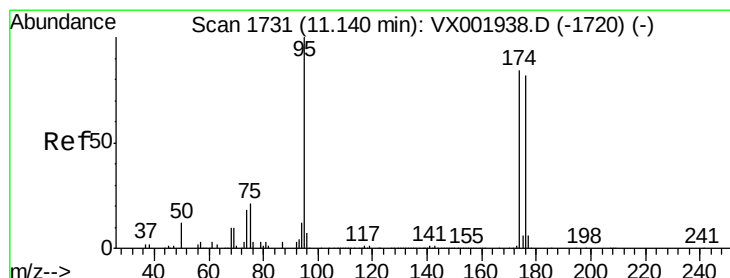
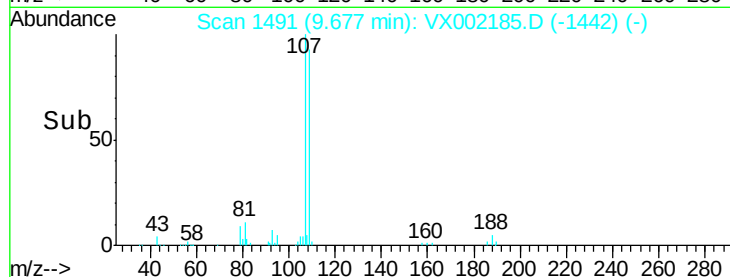
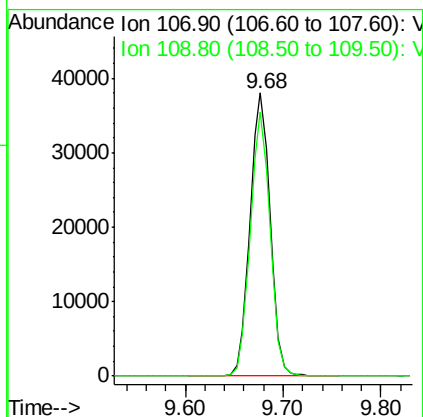
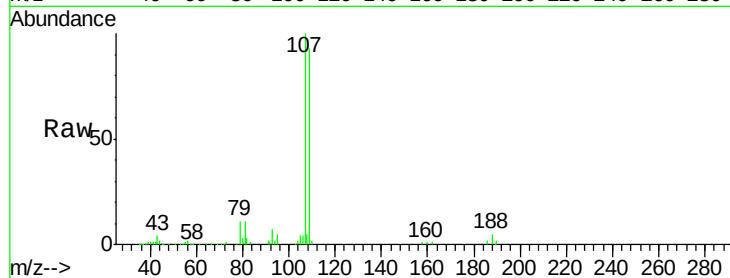




#61
 1,2-Dibromoethane
 Concen: 19.89 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX002185.D
 Acq: 31 May 2018 19:30

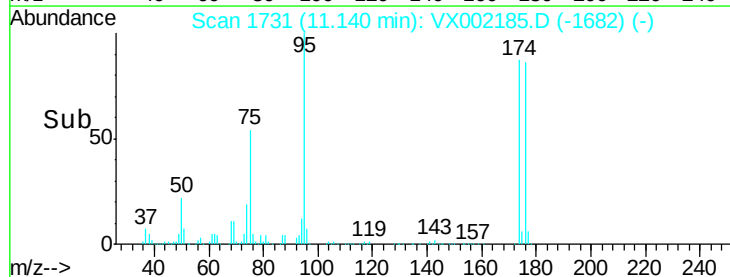
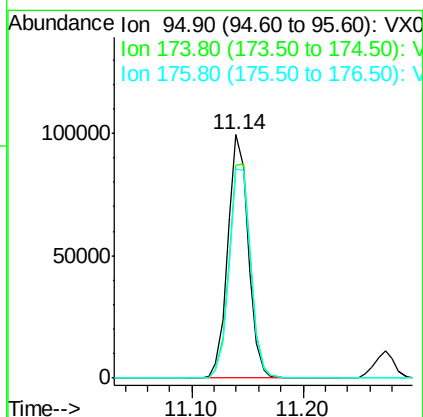
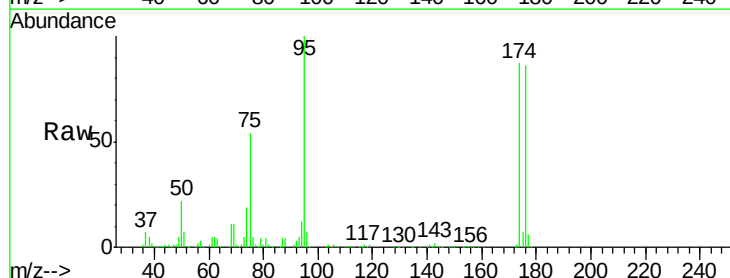
Instrument :
 MSVOA_X
 ClientSampleId :

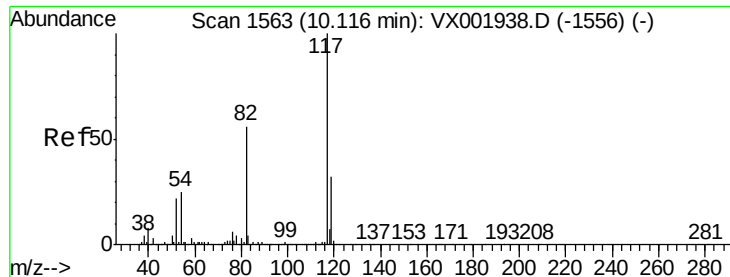
Tot Ion:107 Resp: 54517
 Ion Ratio Lower Upper
 107 100
 109 91.8 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 37.14 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX002185.D
 Acq: 31 May 2018 19:30

Tgt Ion: 95 Resp: 126835
 Ion Ratio Lower Upper
 95 100
 174 92.7 0.0 178.8
 176 89.7 0.0 175.6

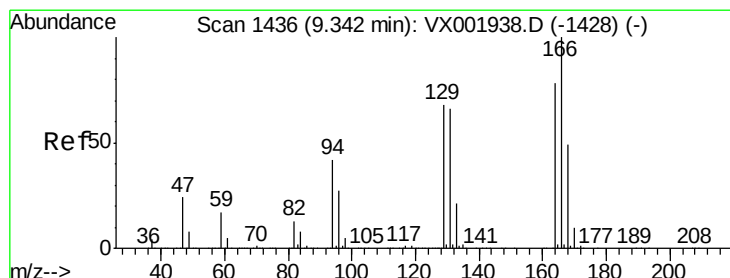
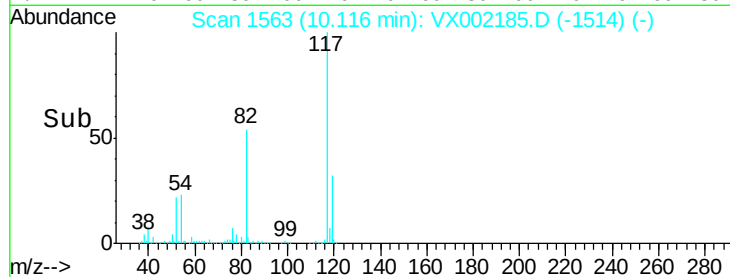
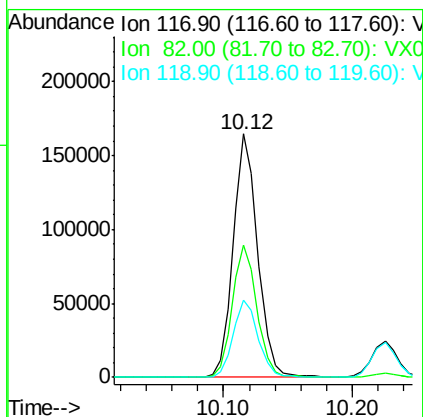
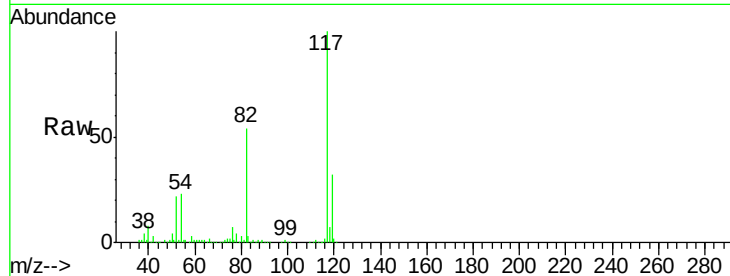




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002185.D
Acq: 31 May 2018 19:30

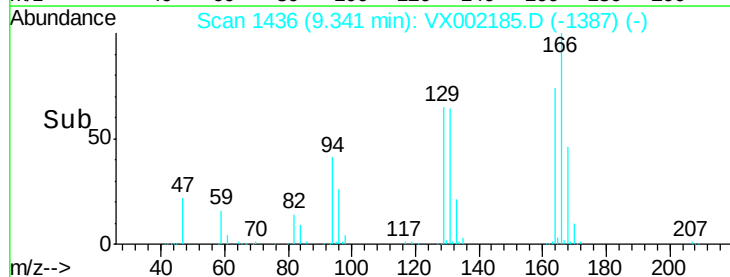
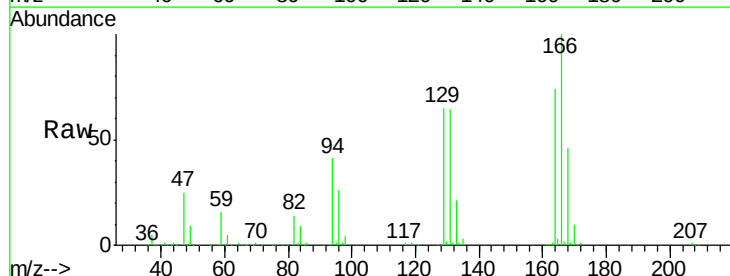
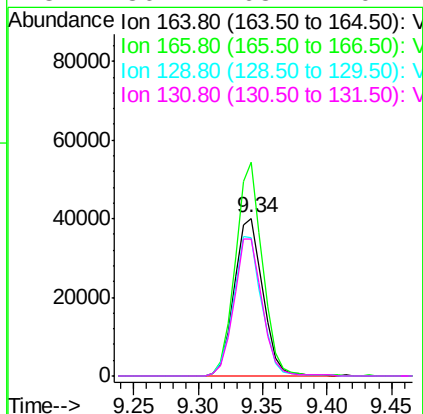
Instrument :
MSVOA_X
ClientSampleId :

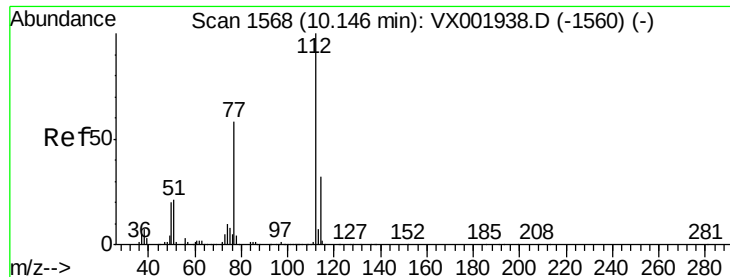
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	44.8	67.2
119	31.8	25.5	38.3



#64
Tetrachloroethene
Concen: 19.77 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002185.D
Acq: 31 May 2018 19:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.3	102.7	154.1
129	87.3	70.3	105.5
131	86.7	68.2	102.4





#65

Chlorobenzene

Concen: 19.83 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

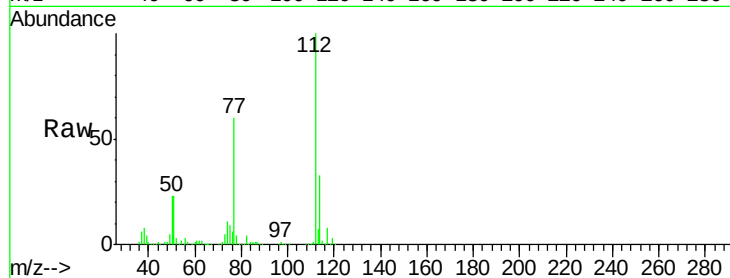
ClientSampleId :

Tot Ion:112 Resp: 137189

Ion Ratio Lower Upper

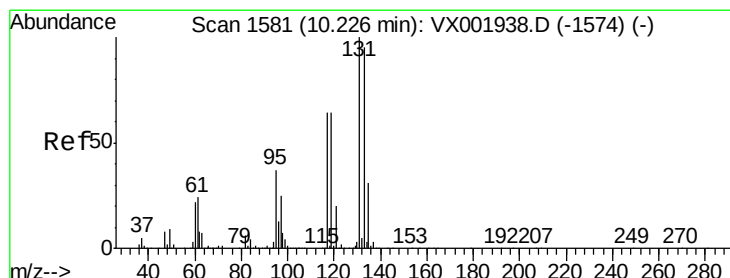
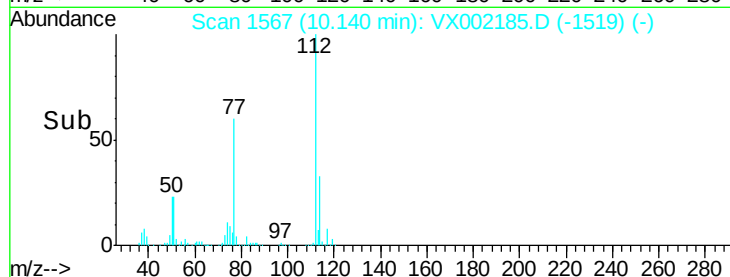
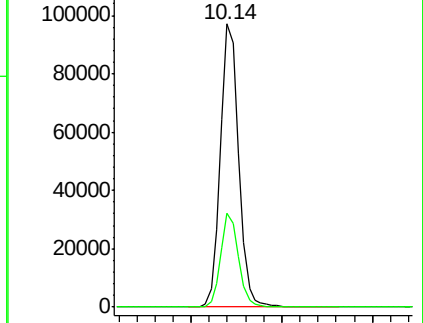
112 100

114 33.0 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 17.61 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

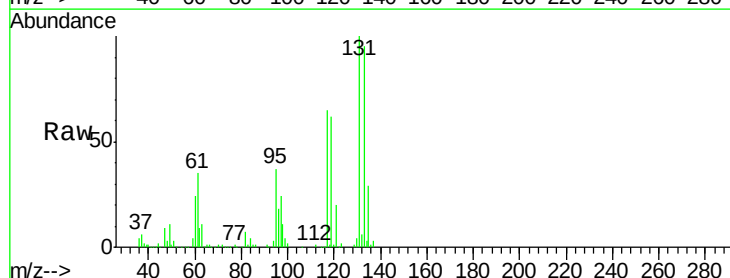
Tgt Ion:131 Resp: 49205

Ion Ratio Lower Upper

131 100

133 97.3 48.0 144.0

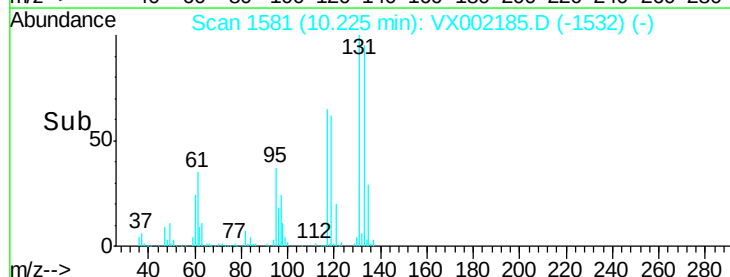
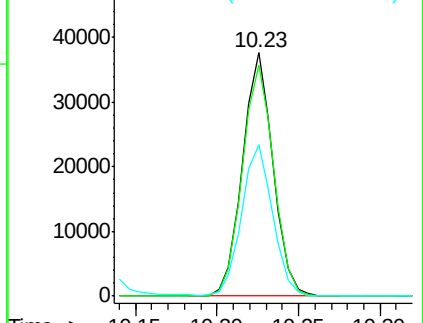
119 63.5 31.9 95.5

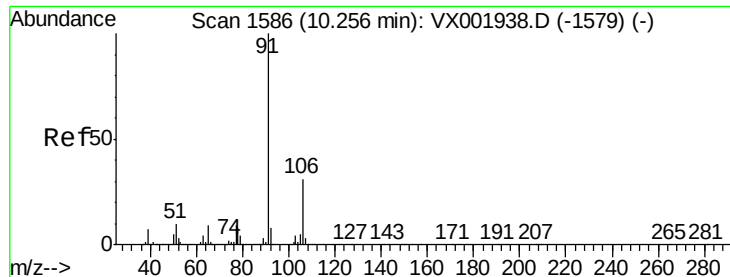


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.76 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

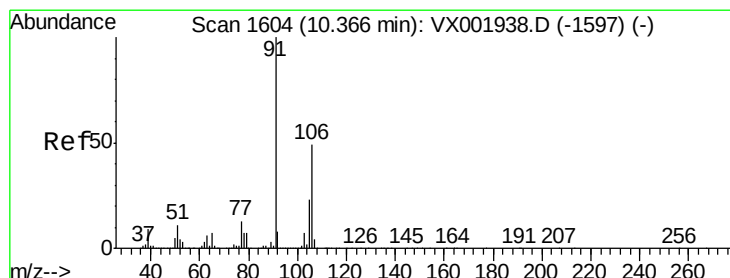
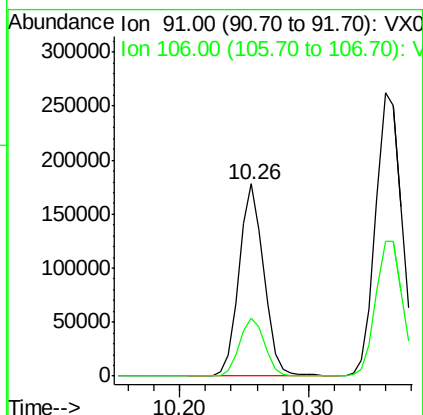
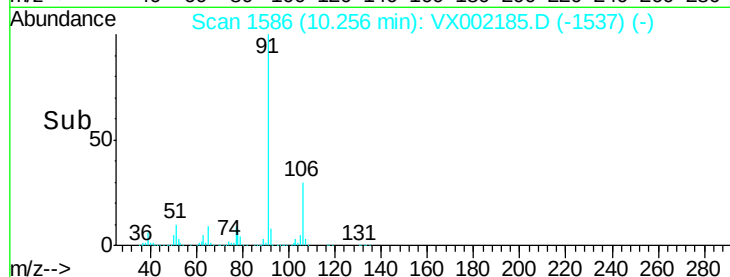
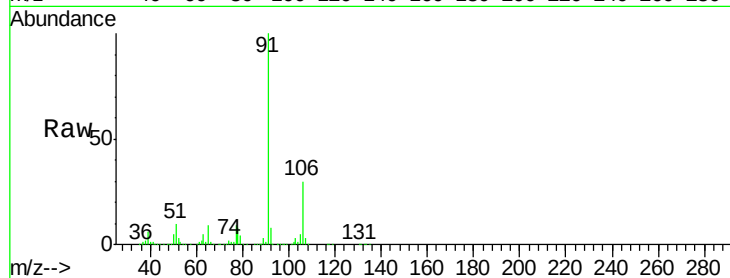
ClientSampled :

Tot Ion: 91 Resp: 237553

Ion Ratio Lower Upper

91 100

106 30.3 25.0 37.6



#68

m/p-Xylenes

Concen: 39.26 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX002185.D

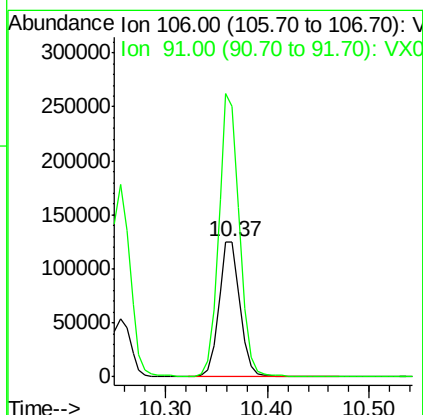
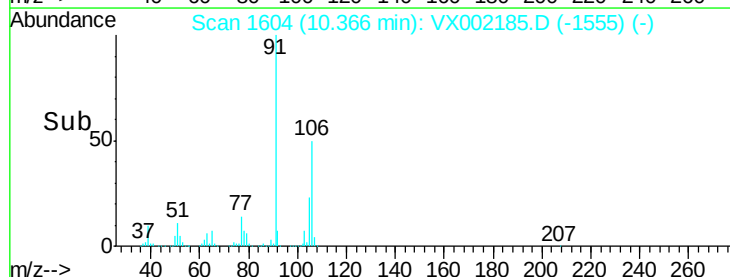
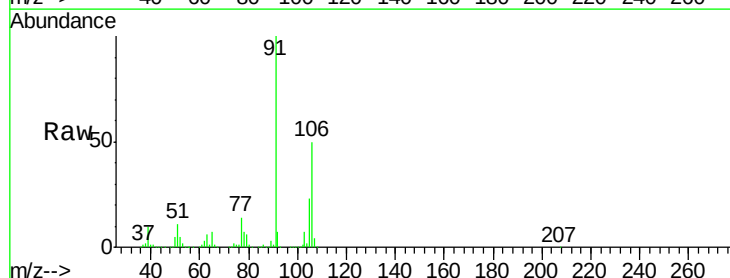
Acq: 31 May 2018 19:30

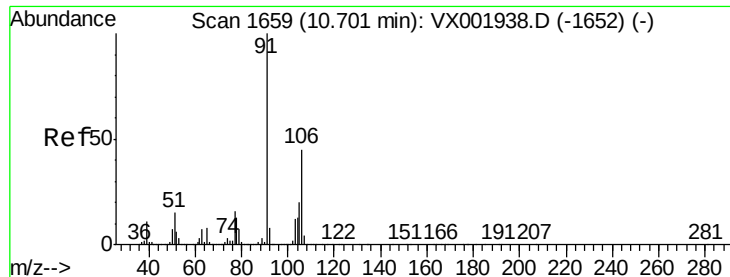
Tgt Ion: 106 Resp: 180406

Ion Ratio Lower Upper

106 100

91 205.6 165.0 247.6

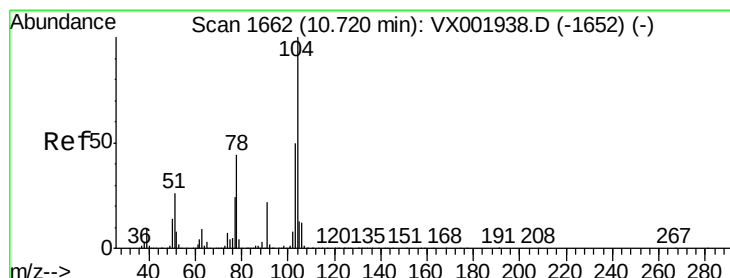
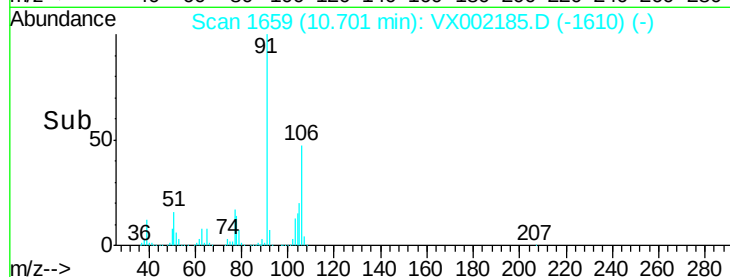
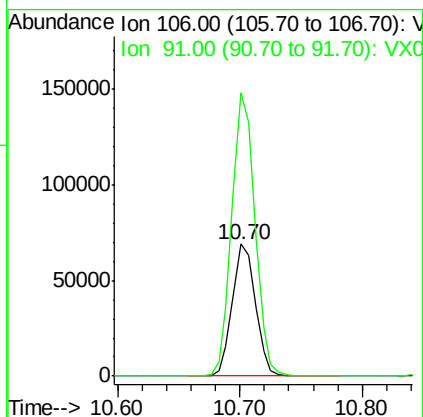
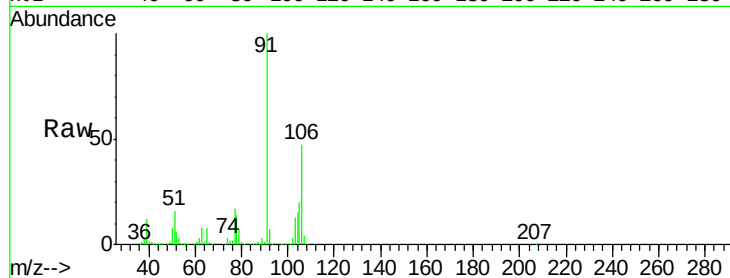




#69
o-Xylene
Concen: 19.72 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002185.D
Acq: 31 May 2018 19:30

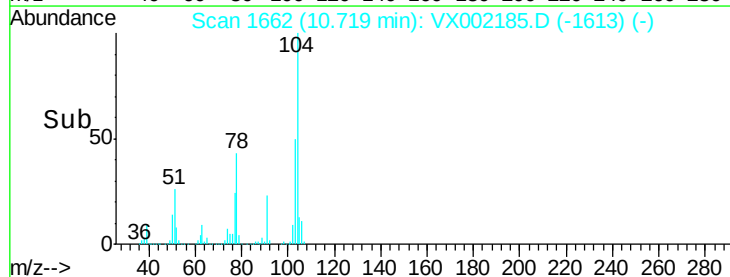
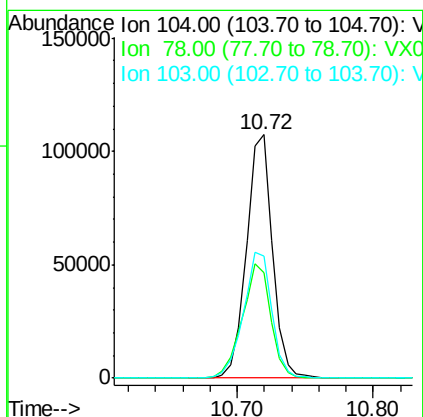
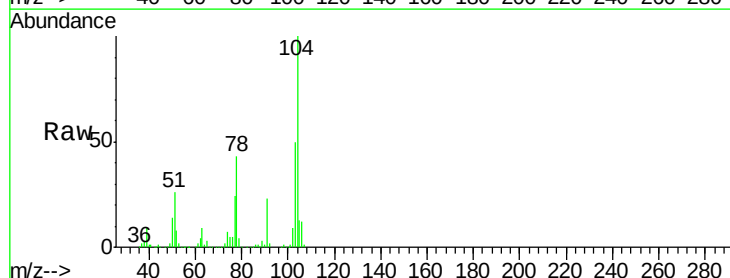
Instrument :
MSVOA_X
ClientSampleId :

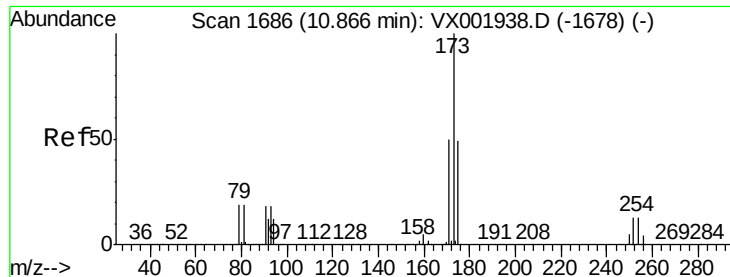
Tot Ion:106 Resp: 90469
Ion Ratio Lower Upper
106 100
91 215.0 108.7 325.9



#70
Styrene
Concen: 18.90 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX002185.D
Acq: 31 May 2018 19:30

Tgt Ion:104 Resp: 143836
Ion Ratio Lower Upper
104 100
78 51.9 41.8 62.6
103 56.5 44.6 67.0





#71

Bromoform

Concen: 13.74 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

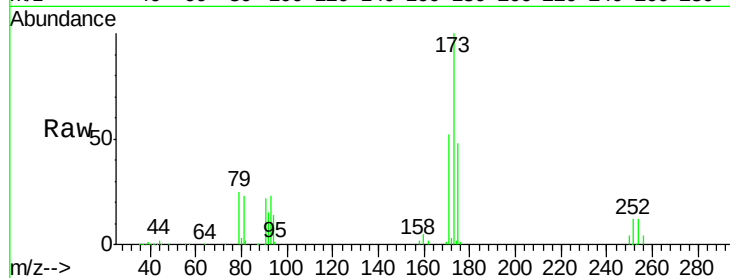
Tot Ion:173 Resp: 36387

Ion Ratio Lower Upper

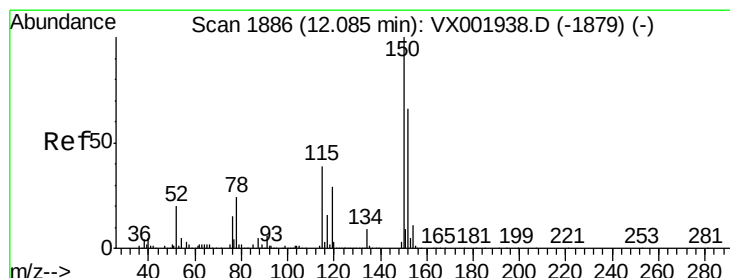
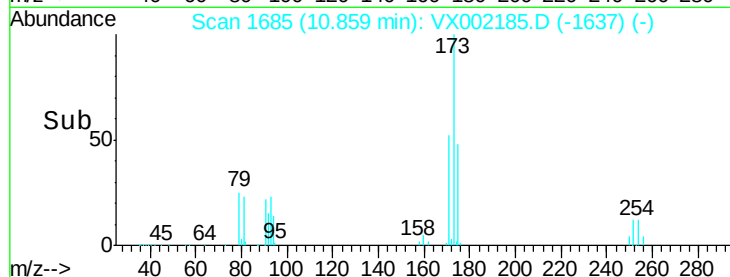
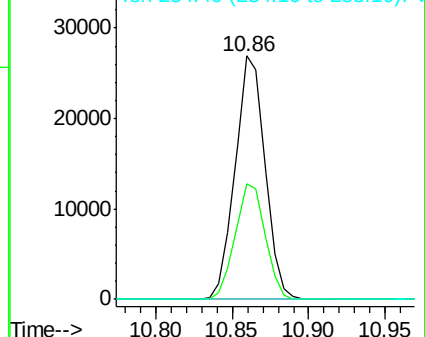
173 100

175 48.0 24.3 72.9

254 0.0 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: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

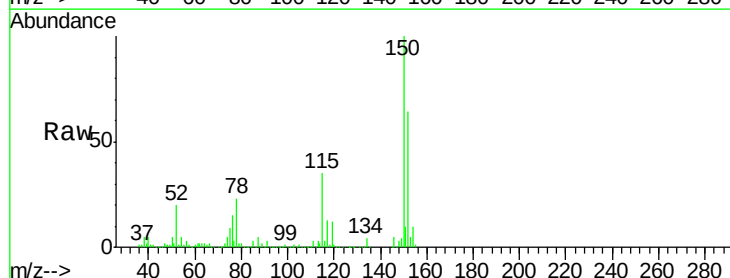
Tgt Ion:152 Resp: 137824

Ion Ratio Lower Upper

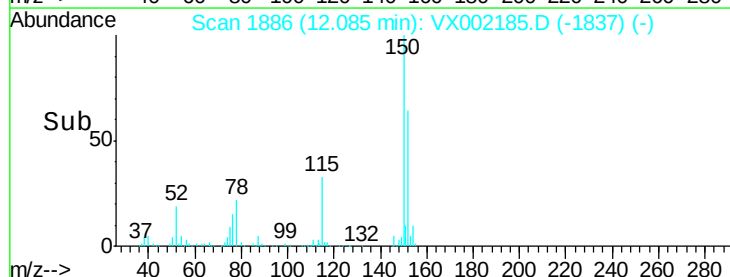
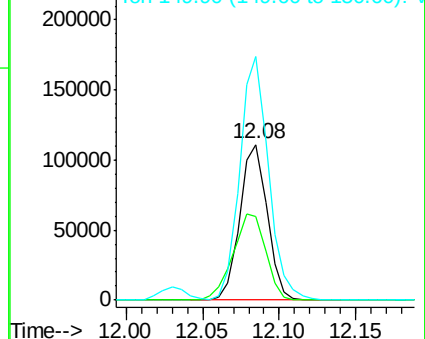
152 100

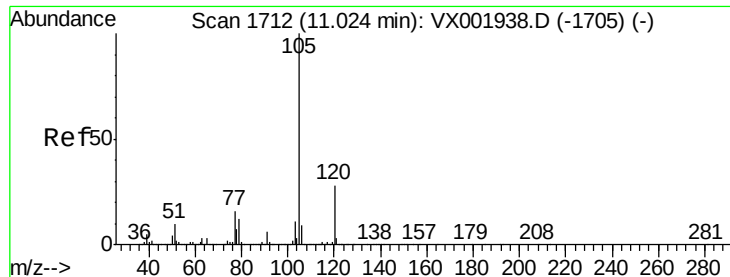
115 66.0 42.3 126.8

150 164.1 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: 20.62 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

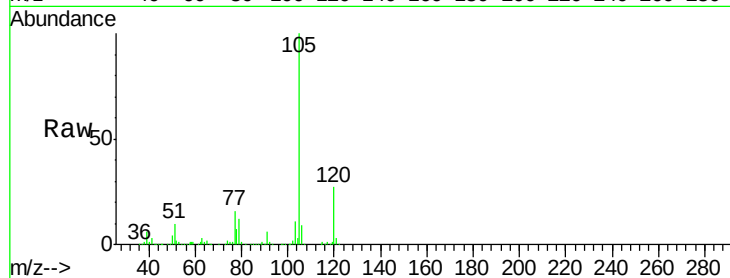
ClientSampleId :

Tot Ion:105 Resp: 240678

Ion Ratio Lower Upper

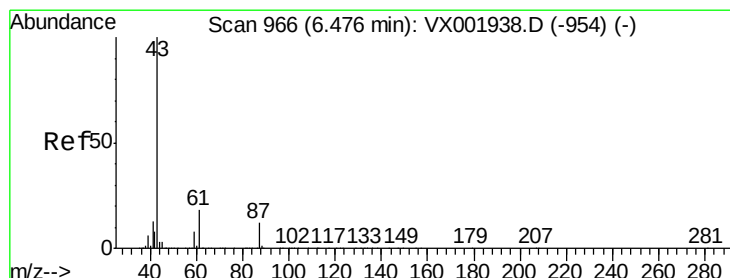
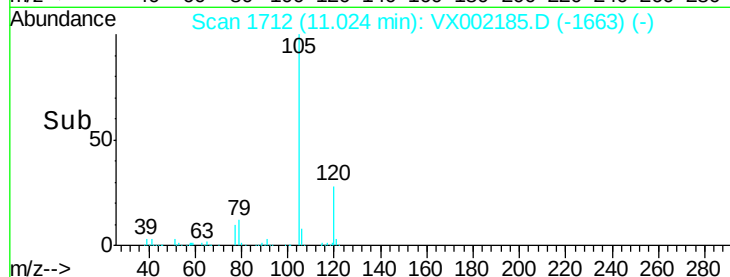
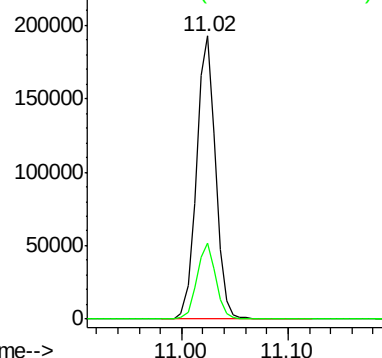
105 100

120 26.6 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: 22.00 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Tgt Ion: 43 Resp: 143917

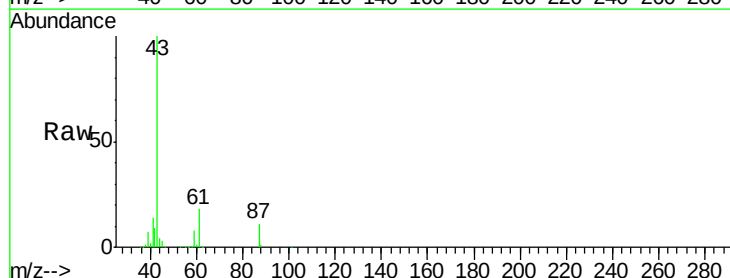
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 0.2 0.1 0.1#

61 17.5 14.5 21.7

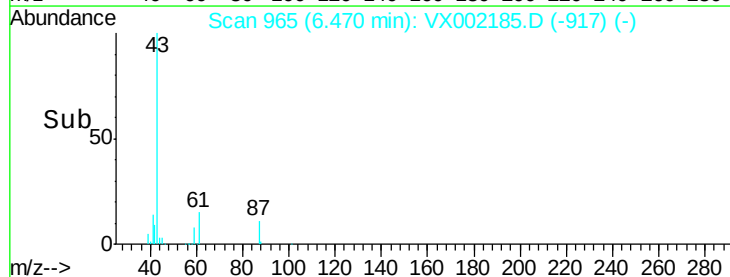
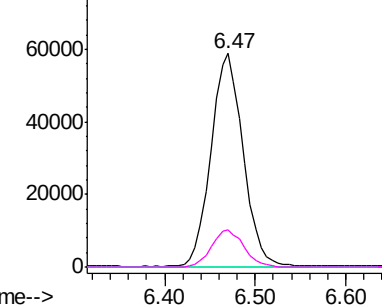


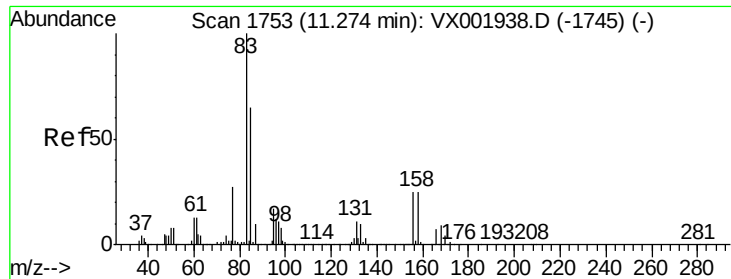
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.80 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

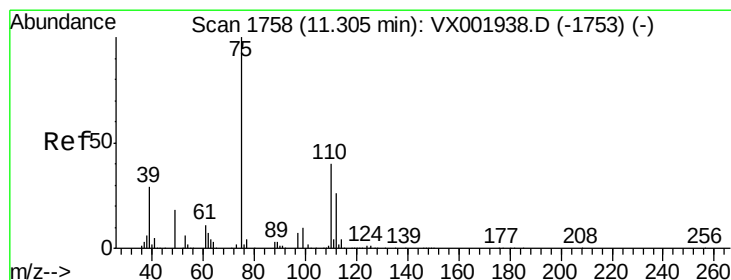
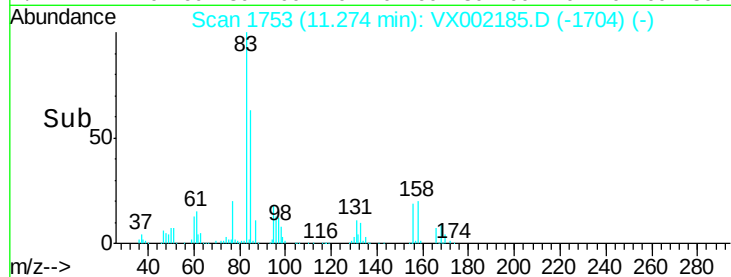
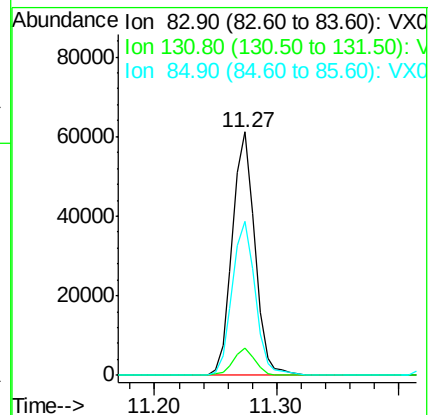
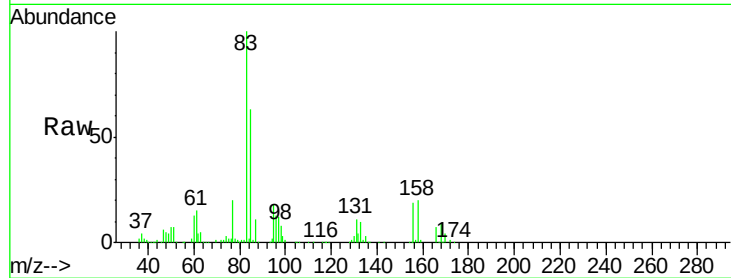
Tot Ion: 83 Resp: 78083

Ion Ratio Lower Upper

83 100

131 10.8 5.7 17.0

85 64.9 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 29.28 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX002185.D

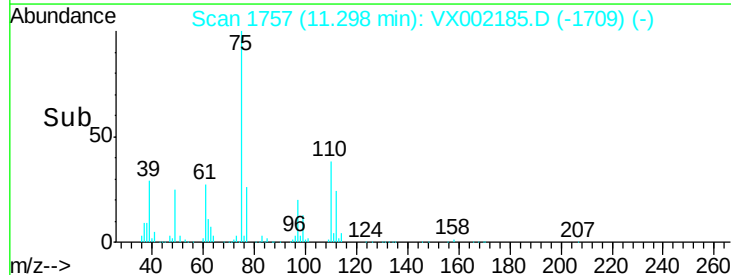
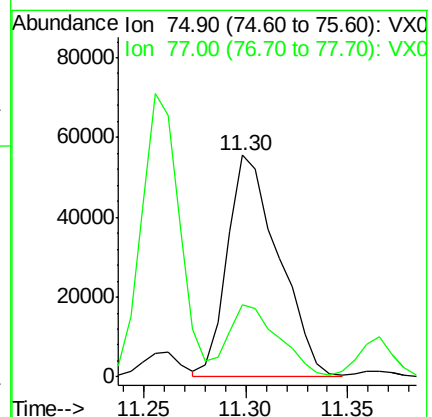
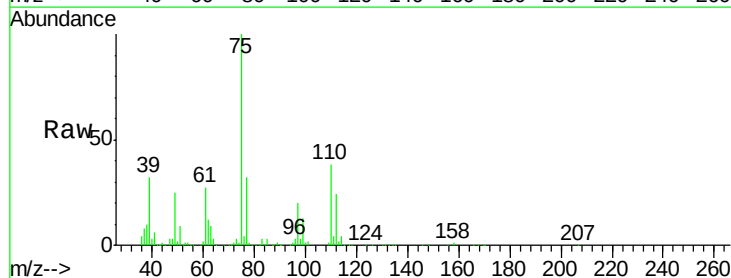
Acq: 31 May 2018 19:30

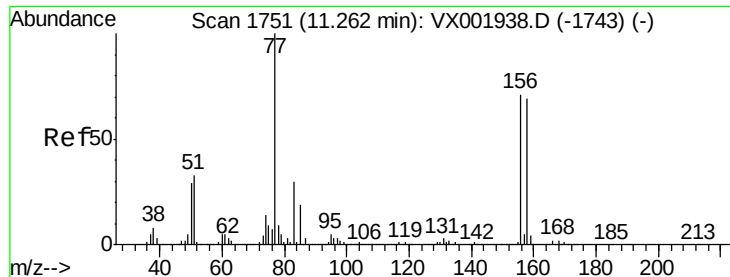
Tgt Ion: 75 Resp: 96943

Ion Ratio Lower Upper

75 100

77 32.2 22.8 68.3





#77

Bromobenzene

Concen: 20.28 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

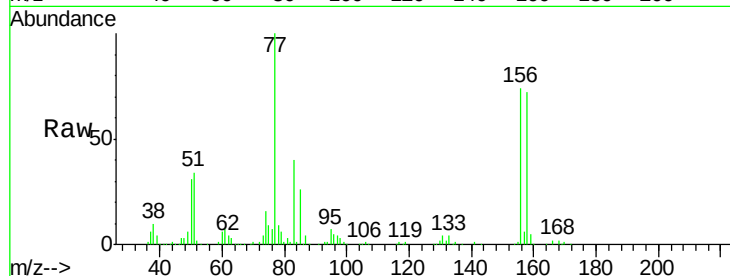
Tot Ion:156 Resp: 62811

Ion Ratio Lower Upper

156 100

77 145.3 75.2 225.6

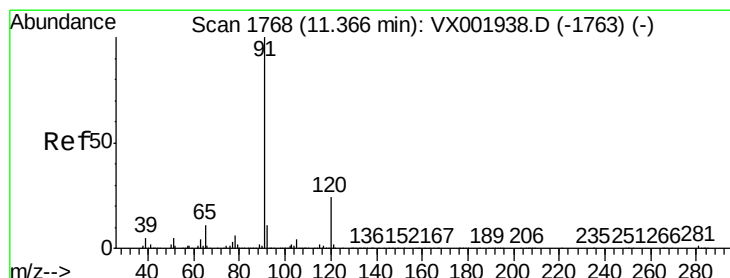
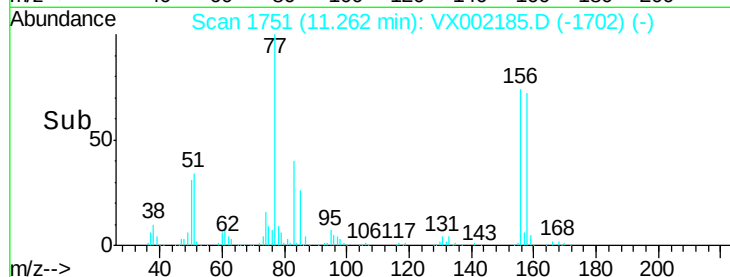
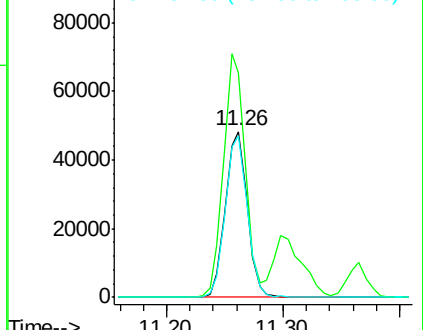
158 98.4 48.6 145.8



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: 20.28 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002185.D

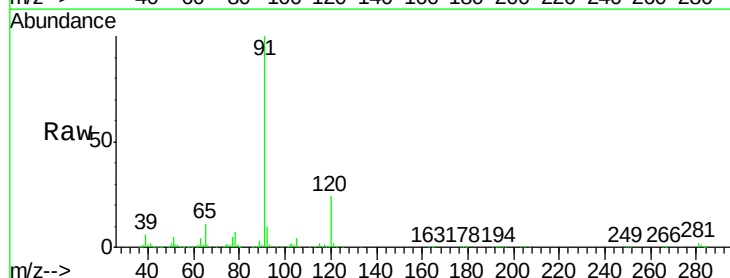
Acq: 31 May 2018 19:30

Tgt Ion: 91 Resp: 265081

Ion Ratio Lower Upper

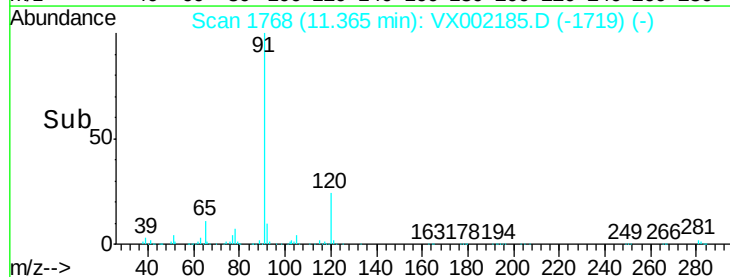
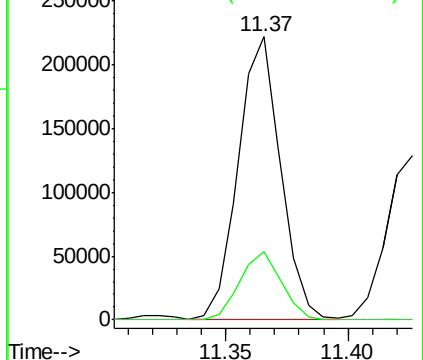
91 100

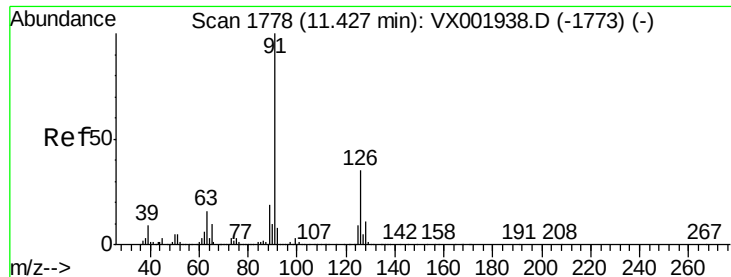
120 24.1 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.24 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

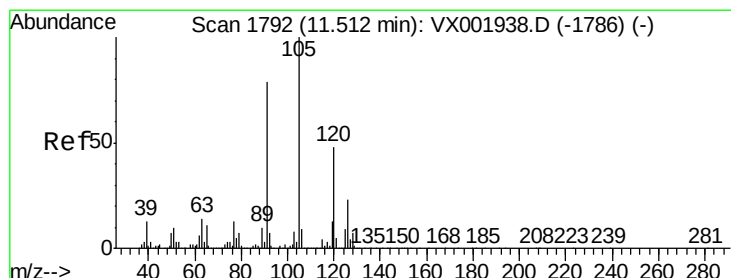
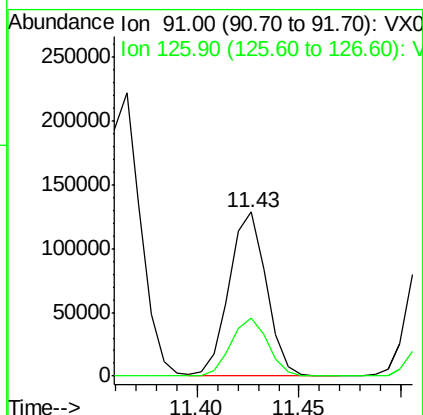
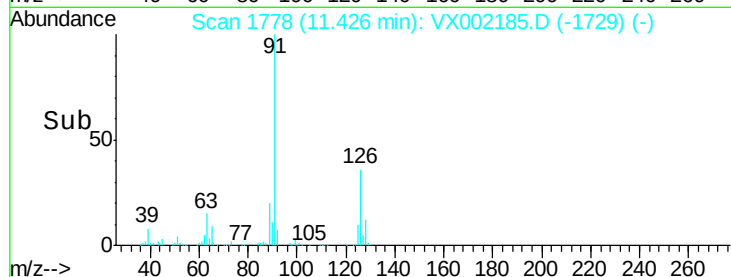
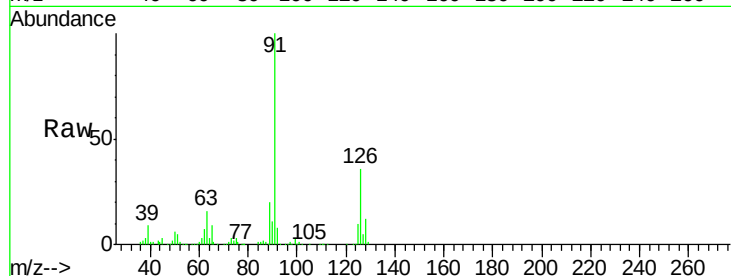
ClientSampled :

Tot Ion: 91 Resp: 161839

Ion Ratio Lower Upper

91 100

126 35.2 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 20.13 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002185.D

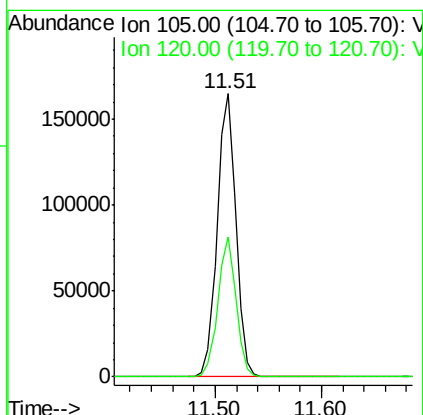
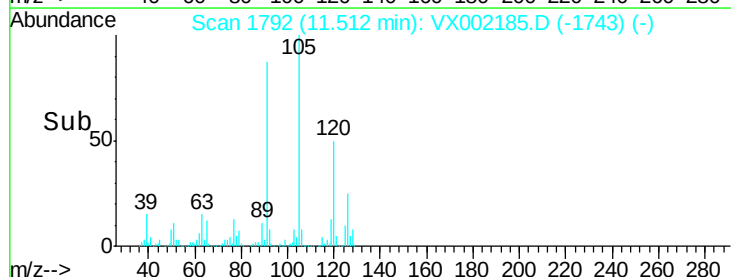
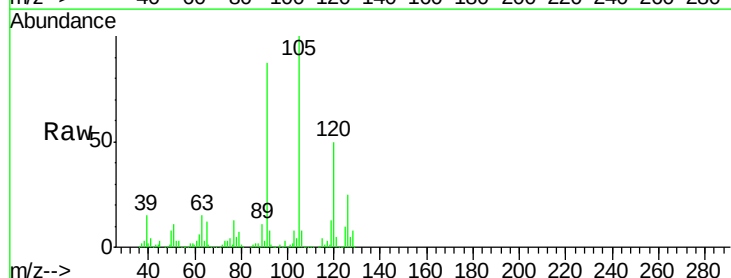
Acq: 31 May 2018 19:30

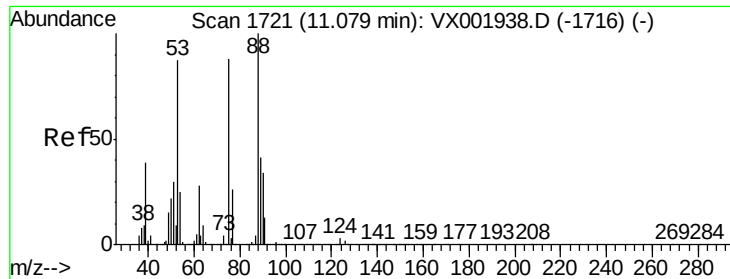
Tgt Ion: 105 Resp: 200789

Ion Ratio Lower Upper

105 100

120 48.4 24.1 72.4

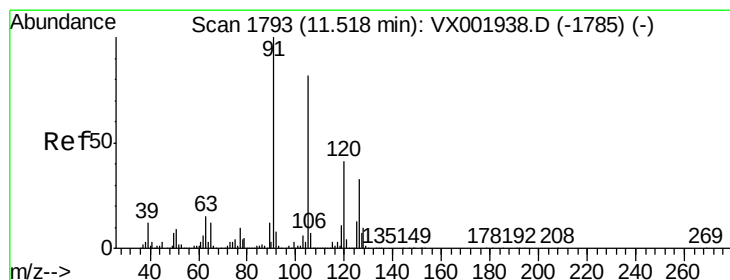
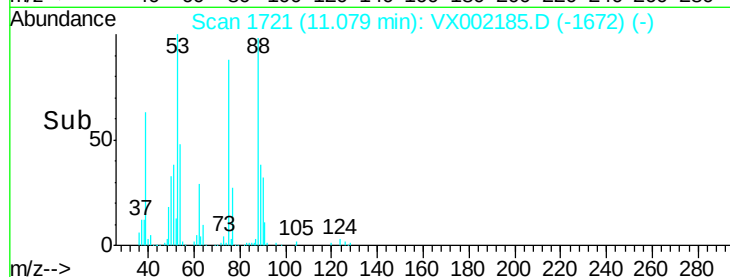
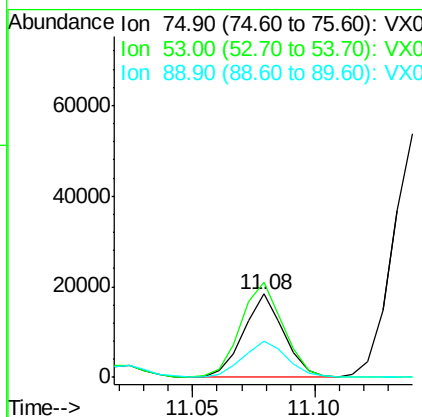
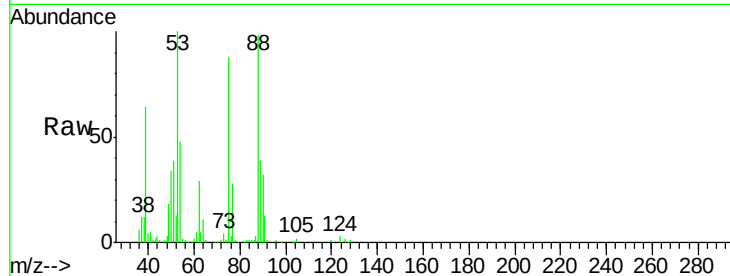




#81
trans-1,4-Dichloro-2-butene
Concen: 15.17 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002185.D
Acq: 31 May 2018 19:30

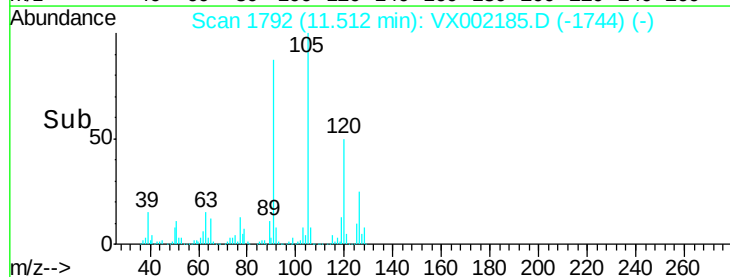
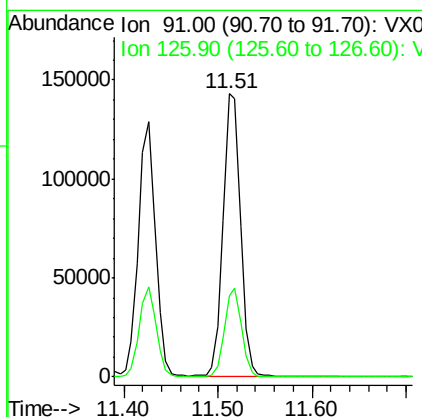
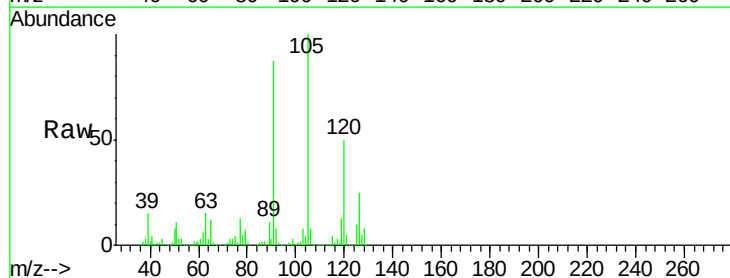
Instrument :
MSVOA_X
ClientSampleId :

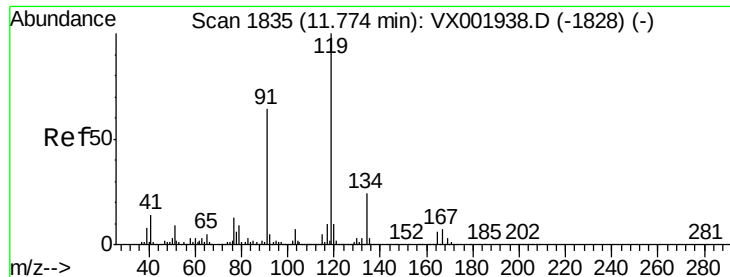
Tot Ion: 75 Resp: 20891
Ion Ratio Lower Upper
75 100
53 120.9 78.0 117.0#
89 49.0 39.4 59.2



#82
4-Chlorotoluene
Concen: 20.12 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.01 min
Lab File: VX002185.D
Acq: 31 May 2018 19:30

Tgt Ion: 91 Resp: 185521
Ion Ratio Lower Upper
91 100
126 30.4 15.3 45.8





#83

tert-Butylbenzene

Concen: 20.04 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

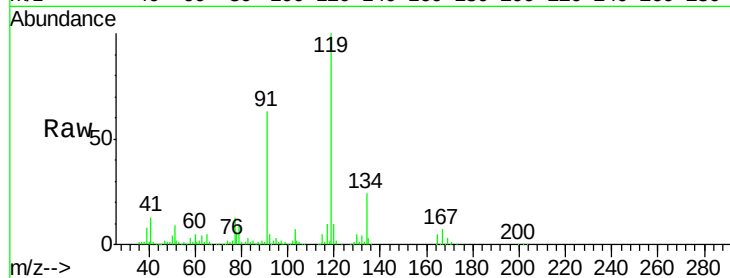
Tot Ion:119 Resp: 196175

Ion Ratio Lower Upper

119 100

91 61.6 30.6 91.8

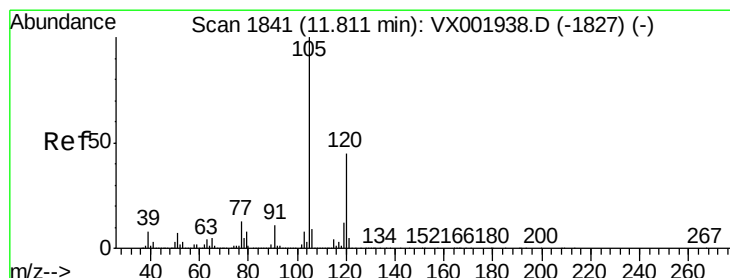
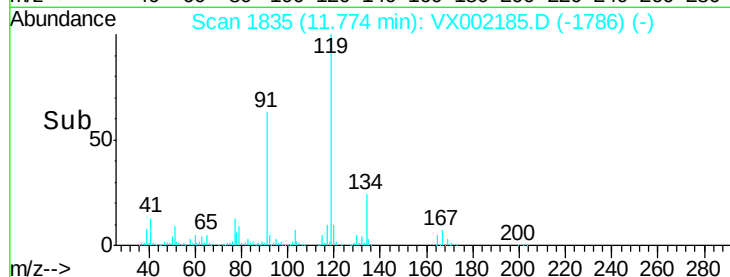
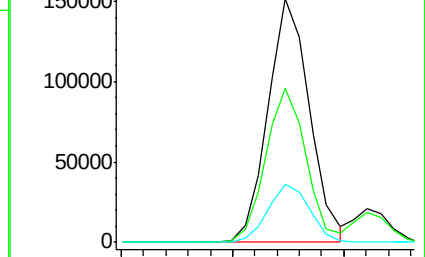
134 23.9 11.7 35.0



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: 19.93 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX002185.D

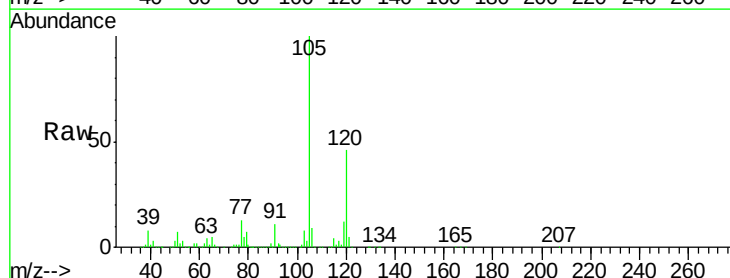
Acq: 31 May 2018 19:30

Tgt Ion:105 Resp: 205444

Ion Ratio Lower Upper

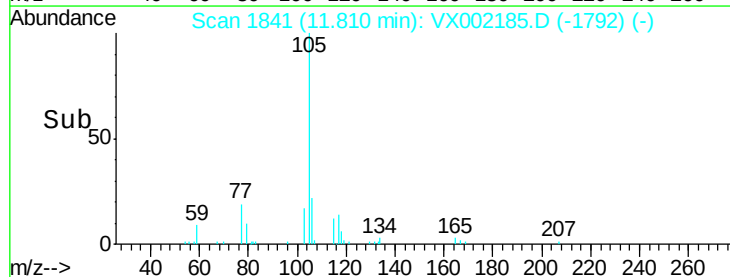
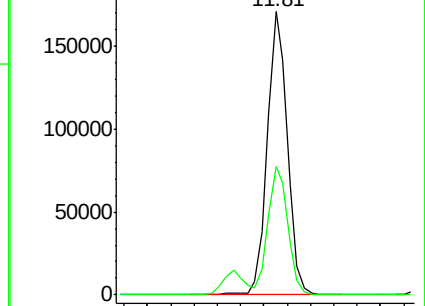
105 100

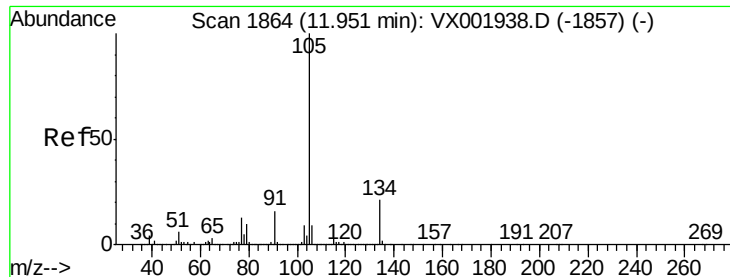
120 45.0 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

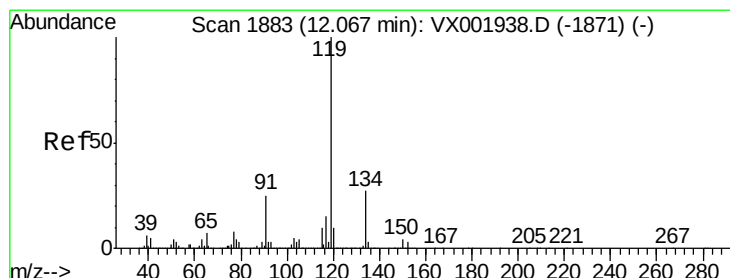
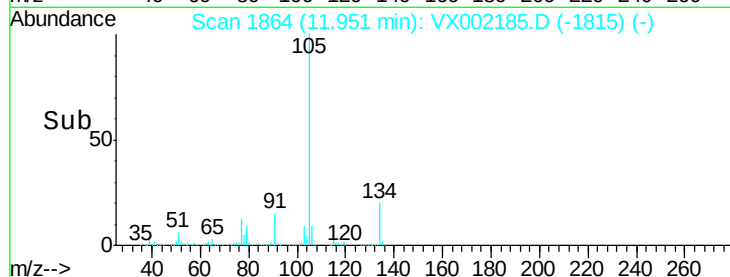
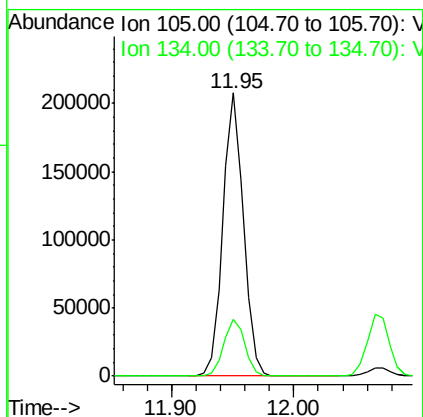
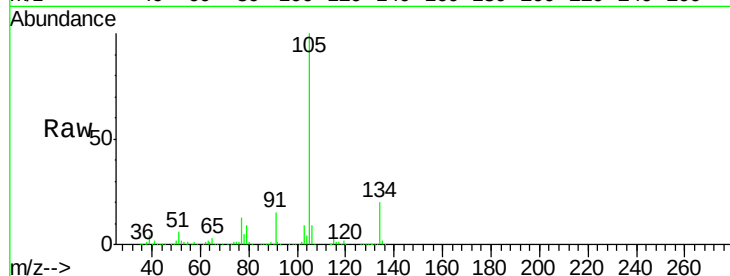




#85
 sec-Butylbenzene
 Concen: 20.55 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002185.D
 Acq: 31 May 2018 19:30

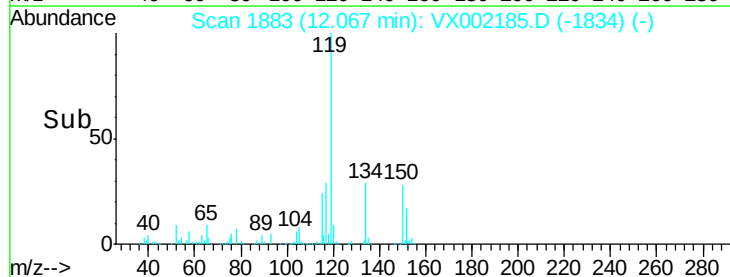
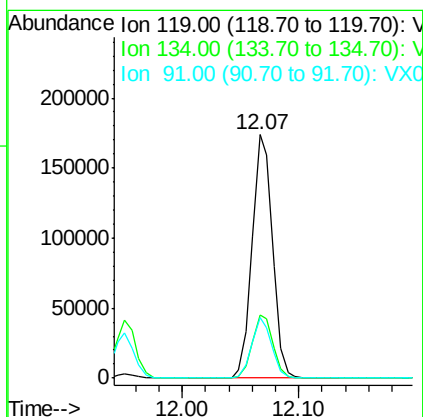
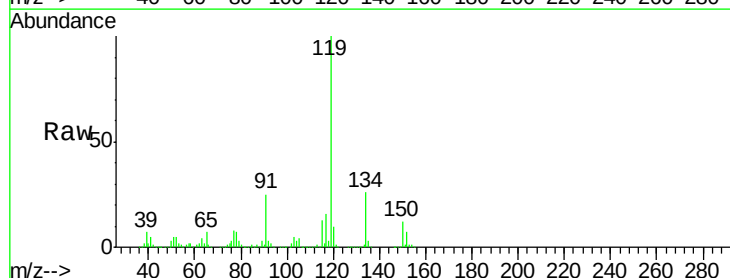
Instrument :
 MSVOA_X
 ClientSampleId :

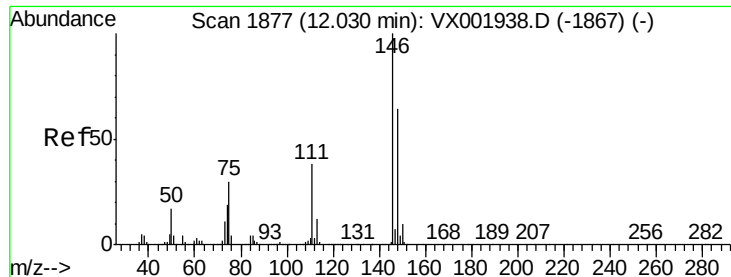
Tot Ion:105 Resp: 241726
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 20.17 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002185.D
 Acq: 31 May 2018 19:30

Tgt Ion:119 Resp: 212395
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.6 40.8
 91 24.2 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 20.10 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

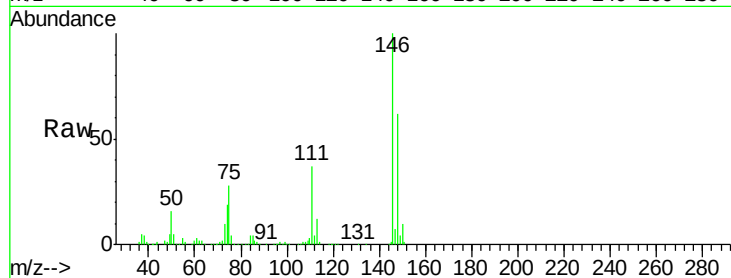
Tot Ion:146 Resp: 111442

Ion Ratio Lower Upper

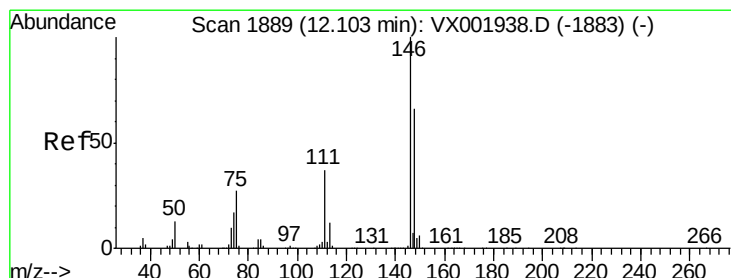
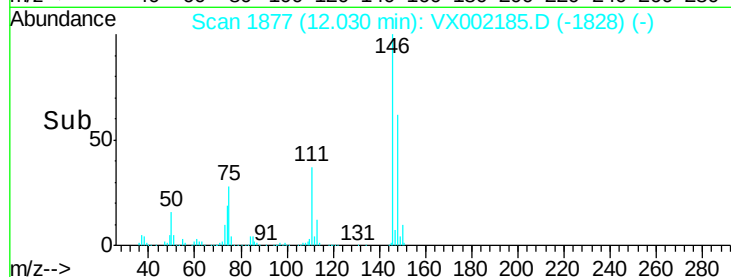
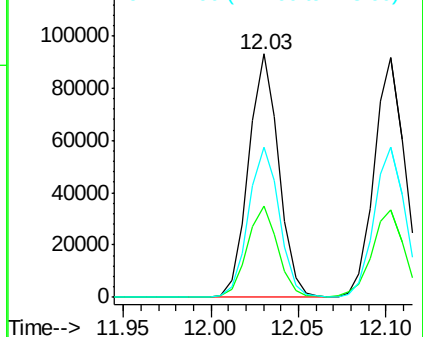
146 100

111 38.1 19.3 57.8

148 63.1 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 20.01 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

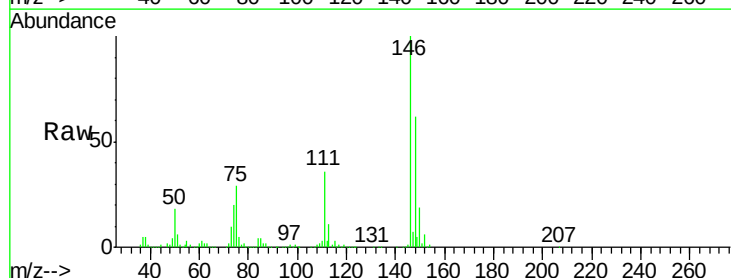
Tgt Ion:146 Resp: 110936

Ion Ratio Lower Upper

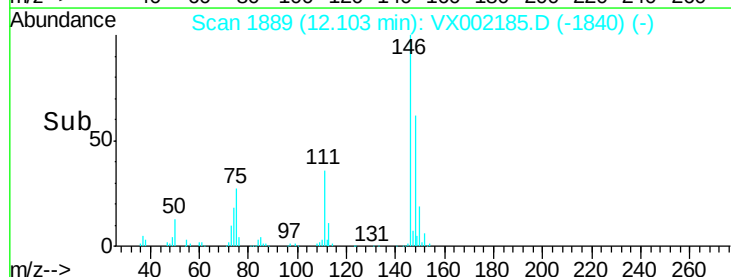
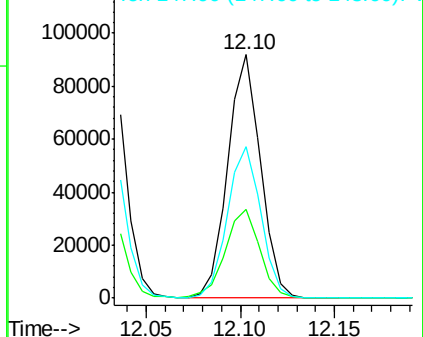
146 100

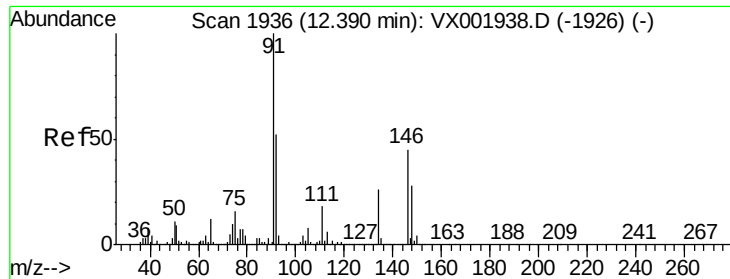
111 38.6 18.9 56.5

148 63.8 32.3 96.8



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





#89

n-Butylbenzene

Concen: 19.11 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

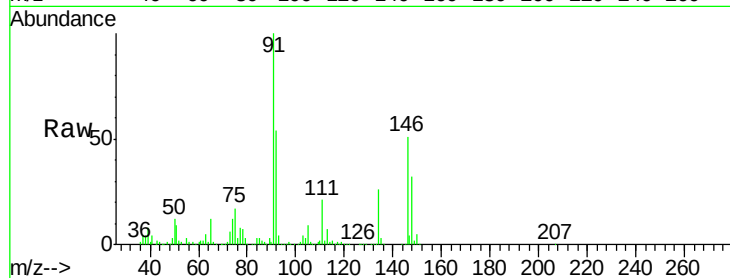
Tot Ion: 91 Resp: 170494

Ion Ratio Lower Upper

91 100

92 52.7 26.3 78.9

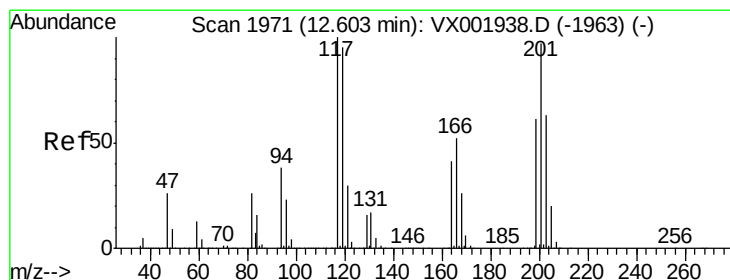
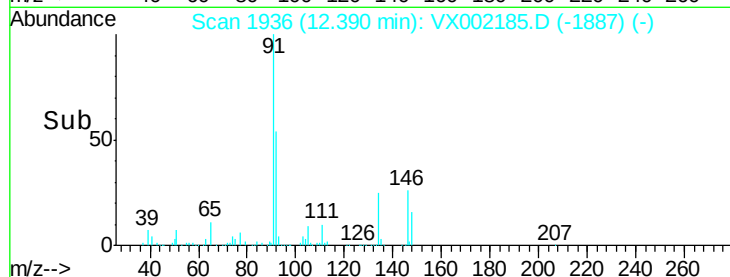
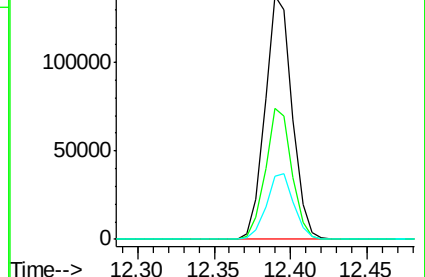
134 27.2 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VX001938.D (-1926) (-)

Ion 92.00 (91.70 to 92.70): VX001938.D (-1926) (-)

Ion 134.00 (133.70 to 134.70): VX001938.D (-1926) (-)



#90

Hexachloroethane

Concen: 14.57 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX002185.D

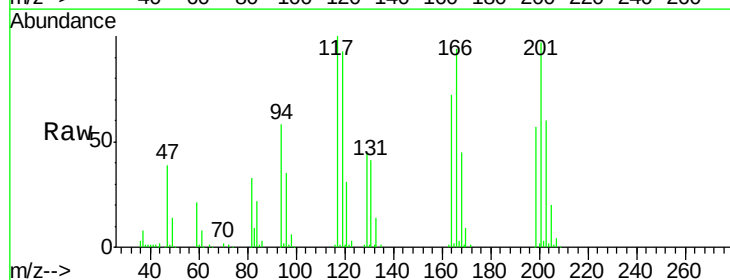
Acq: 31 May 2018 19:30

Tgt Ion: 117 Resp: 30261

Ion Ratio Lower Upper

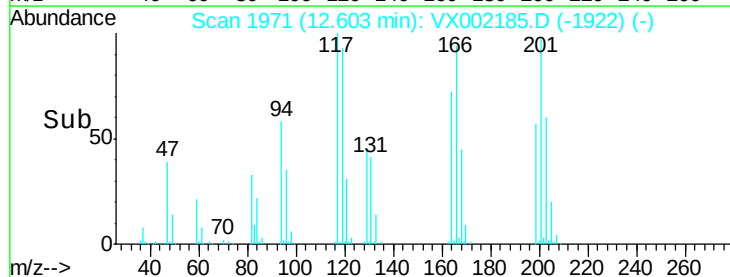
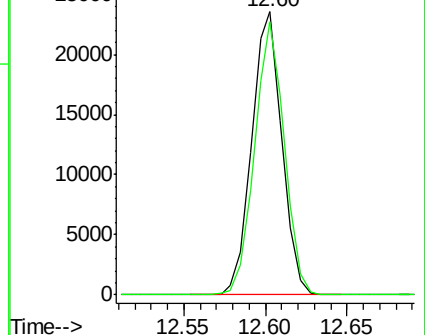
117 100

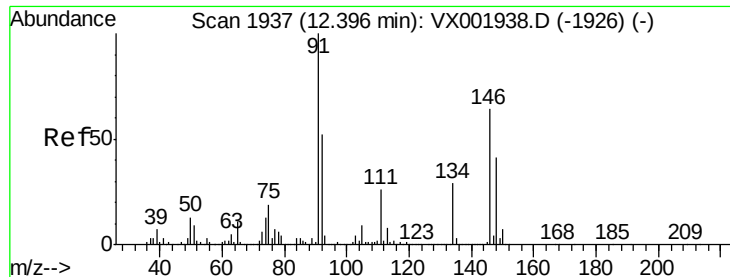
201 94.5 48.0 144.0



Abundance Ion 116.80 (116.50 to 117.50): VX001938.D (-1963) (-)

Ion 200.70 (200.40 to 201.40): VX001938.D (-1963) (-)

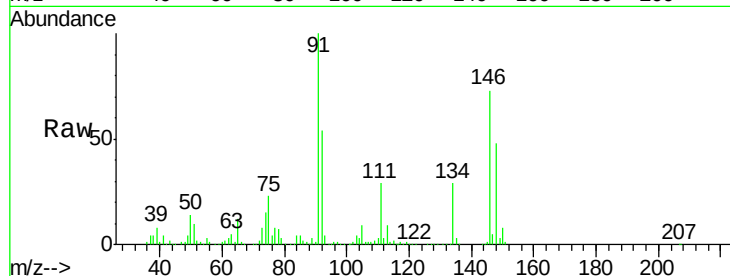




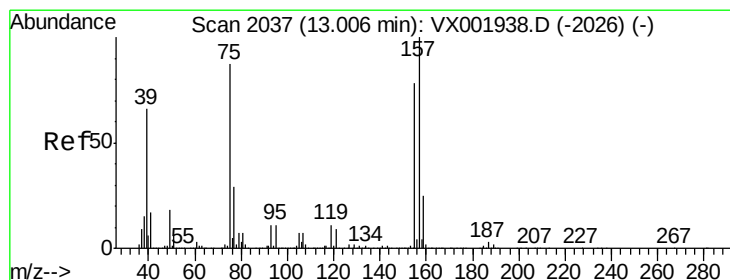
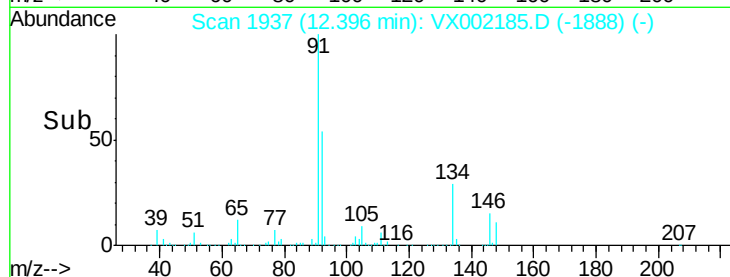
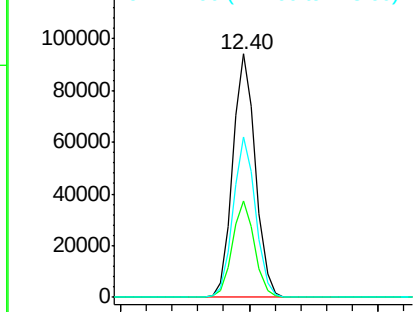
#91
 1,2-Dichlorobenzene
 Concen: 20.48 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002185.D
 Acq: 31 May 2018 19:30

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.8	59.3
148	65.1	32.1	96.5

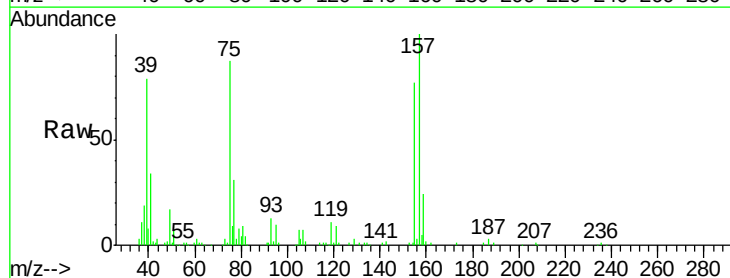


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

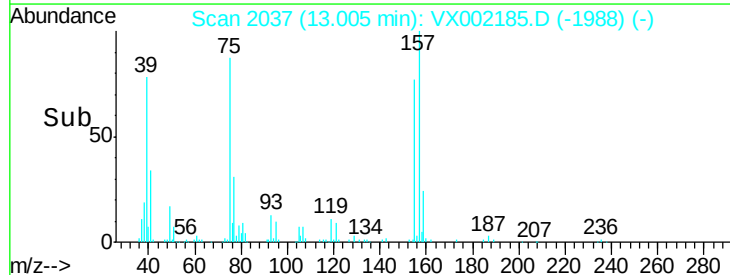
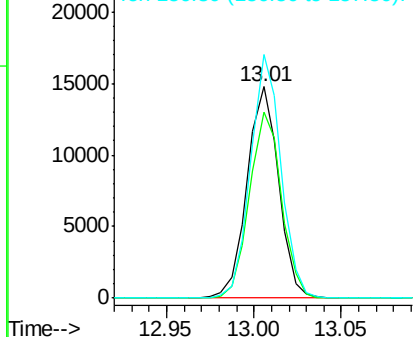


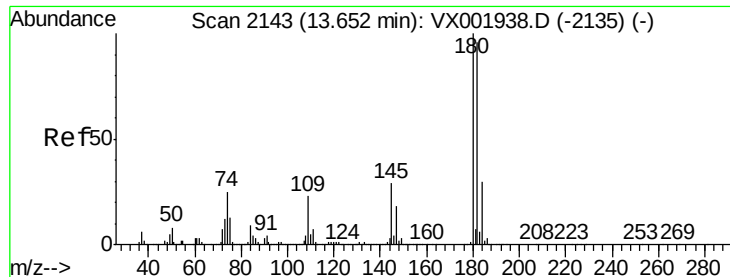
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.81 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002185.D
 Acq: 31 May 2018 19:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.2	45.1	135.2
157	111.4	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: 19.08 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

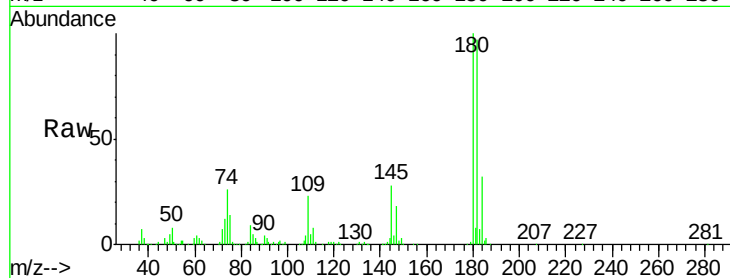
Tot Ion:180 Resp: 77071

Ion Ratio Lower Upper

180 100

182 95.0 47.7 143.1

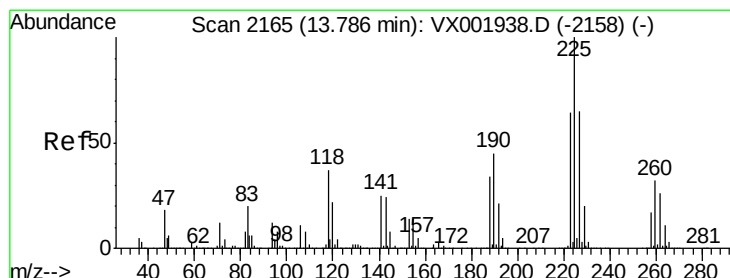
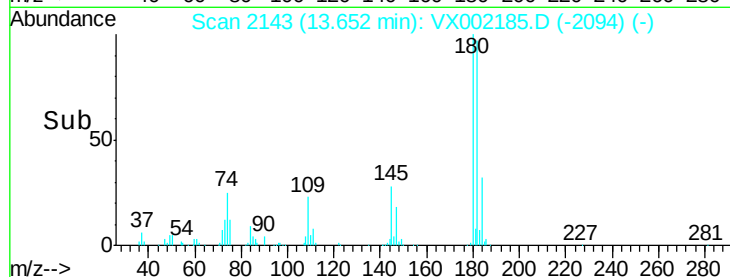
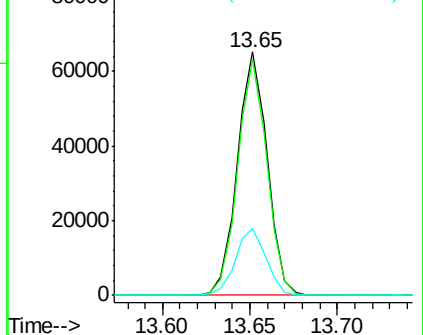
145 28.3 14.4 43.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 18.33 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

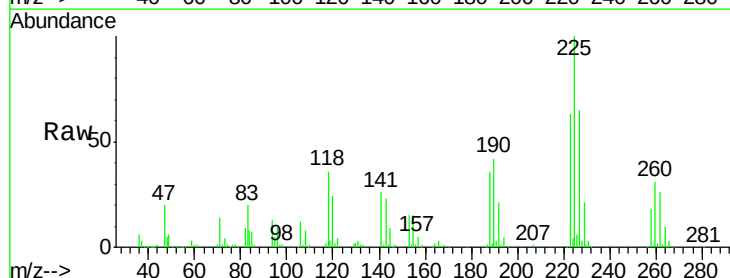
Tgt Ion:225 Resp: 39842

Ion Ratio Lower Upper

225 100

223 63.4 31.1 93.5

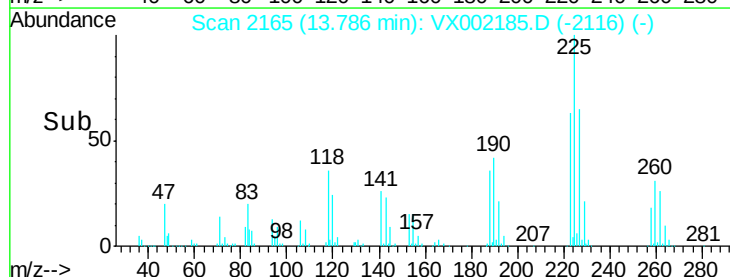
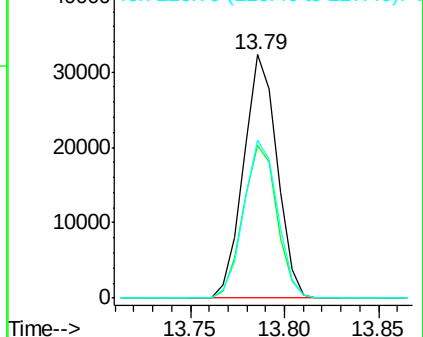
227 65.2 32.1 96.5

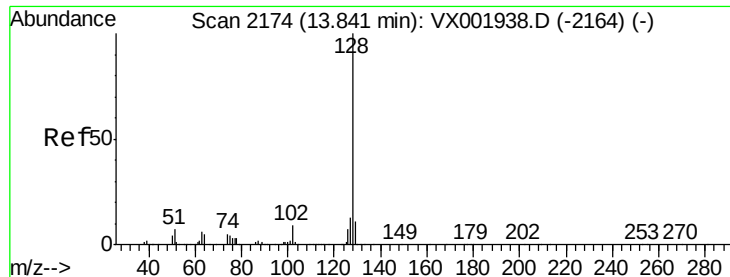


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.03 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

Instrument :

MSVOA_X

ClientSampled :

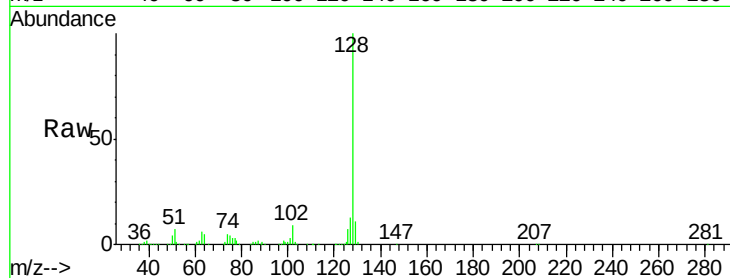
Tot Ion:128 Resp: 261789

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

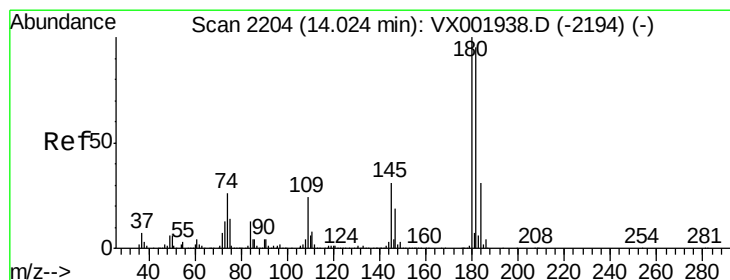
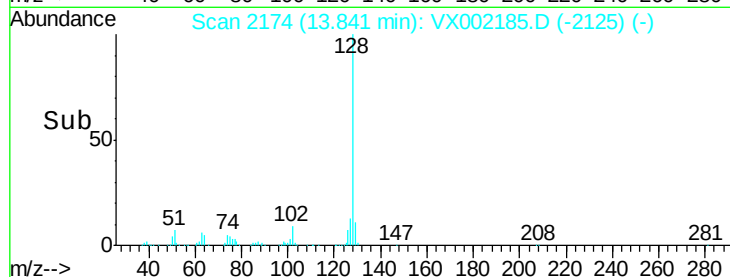
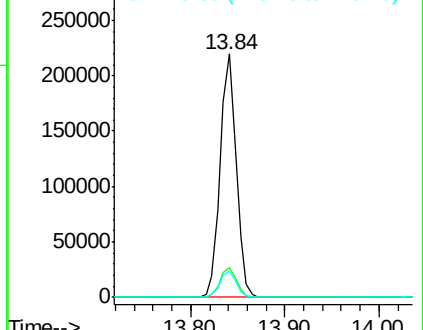
129 10.9 8.8 13.2



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: 19.72 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002185.D

Acq: 31 May 2018 19:30

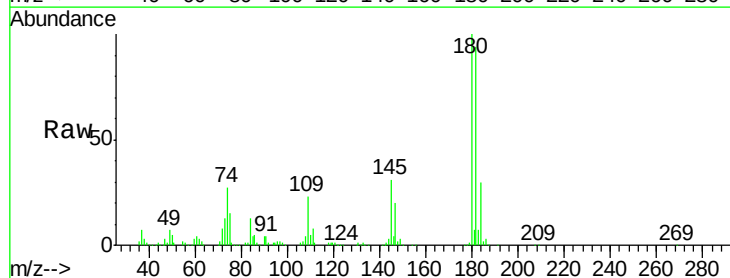
Tgt Ion:180 Resp: 82427

Ion Ratio Lower Upper

180 100

182 95.2 47.9 143.6

145 30.5 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

