

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002020.D
 Acq On : 26 May 2018 15:42
 Operator : JC/MD
 Sample : VX0526WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 28 00:31:57 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	272120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	378498	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	339955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	221843	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	221417	45.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.04%	
35) Dibromofluoromethane	5.51	113	173265	45.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.56%	
50) Toluene-d8	8.72	98	629017	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	
62) 4-Bromofluorobenzene	11.14	95	236751	44.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	61908	16.83	ug/l	97
3) Chloromethane	1.32	50	75808	18.11	ug/l	100
4) Vinyl Chloride	1.40	62	77059	19.06	ug/l	97
5) Bromomethane	1.64	94	40469	21.19	ug/l	99
6) Chloroethane	1.72	64	48137	20.20	ug/l	100
7) Trichlorofluoromethane	1.93	101	123013	20.26	ug/l	100
8) Diethyl Ether	2.19	74	46242	20.99	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	69548	20.53	ug/l	98
10) Methyl Iodide	2.51	142	66343	14.47	ug/l	99
11) Tert butyl alcohol	3.09	59	107867	112.97	ug/l	99
12) 1,1-Dichloroethene	2.37	96	61963	19.54	ug/l	95
13) Acrolein	2.30	56	33669	81.56	ug/l	99
14) Allyl chloride	2.73	41	138777	20.84	ug/l	99
15) Acrylonitrile	3.15	53	210566	107.24	ug/l	99
16) Acetone	2.45	43	232164	123.67	ug/l	100
17) Carbon Disulfide	2.57	76	170551	18.68	ug/l	99
18) Methyl Acetate	2.78	43	107826	23.24	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	253294	21.23	ug/l	100
20) Methylene Chloride	2.86	84	71919	21.17	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	65844	20.39	ug/l	97
22) Diisopropyl ether	3.88	45	255845	18.89	ug/l	98
23) Vinyl Acetate	3.83	43	1148618	102.30	ug/l	99
24) 1,1-Dichloroethane	3.70	63	135527	21.07	ug/l	100
25) 2-Butanone	4.72	43	338189	98.29	ug/l	99
26) 2,2-Dichloropropane	4.59	77	115660	17.76	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	76064	18.39	ug/l	89
28) Bromochloromethane	5.03	49	58264	20.34	ug/l	99
29) Tetrahydrofuran	5.17	42	213015	95.16	ug/l	100
30) Chloroform	5.23	83	131003	18.08	ug/l	96
31) Cyclohexane	5.58	56	116156	17.33	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	121669	18.01	ug/l	99
36) 1,1-Dichloropropene	5.81	75	93141	17.69	ug/l	98
37) Ethyl Acetate	4.88	43	127630	18.59	ug/l	99
38) Carbon Tetrachloride	5.79	117	106803	17.40	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002020.D
 Acq On : 26 May 2018 15:42
 Operator : JC/MD
 Sample : VX0526WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 28 00:31:57 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)
39) Methylcyclohexane	7.46	83	113407	17.53	ug/l	98
40) Benzene	6.15	78	286867	18.60	ug/l	100
41) Methacrylonitrile	5.07	41	70058	18.48	ug/l	98
42) 1,2-Dichloroethane	6.21	62	111284	18.06	ug/l	99
43) Isopropyl Acetate	6.48	43	214620	18.77	ug/l	100
44) Trichloroethene	7.22	130	81317	18.09	ug/l	99
45) 1,2-Dichloropropane	7.52	63	77821	18.58	ug/l	99
46) Dibromomethane	7.67	93	52086	18.78	ug/l	98
47) Bromodichloromethane	7.91	83	102039	17.26	ug/l	100
48) Methyl methacrylate	7.79	41	106321	18.27	ug/l	98
49) 1,4-Dioxane	7.76	88	40269	392.60	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	675186	97.94	ug/l	99
52) Toluene	8.79	92	179539	18.29	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	122355	17.97	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	117720	17.74	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	75158	18.33	ug/l	99
56) Ethyl methacrylate	9.19	69	127920	18.14	ug/l	99
57) 1,3-Dichloropropane	9.38	76	125880	18.63	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	311519	99.65	ug/l	99
59) 2-Hexanone	9.51	43	531242	99.94	ug/l	98
60) Dibromochloromethane	9.59	129	84021	17.30	ug/l	99
61) 1,2-Dibromoethane	9.68	107	79287	18.43	ug/l	100
64) Tetrachloroethene	9.34	164	90655	18.60	ug/l	98
65) Chlorobenzene	10.15	112	200856	18.65	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	79568	18.29	ug/l	100
67) Ethyl Benzene	10.26	91	352462	18.83	ug/l	99
68) m/p-Xylenes	10.37	106	267019	37.33	ug/l	99
69) o-Xylene	10.70	106	135016	18.90	ug/l	99
70) Styrene	10.72	104	219877	18.56	ug/l	100
71) Bromoform	10.87	173	69426	16.83	ug/l #	99
73) Isopropylbenzene	11.02	105	361990	19.27	ug/l	99
74) N-amyl acetate	6.48	43	214620	20.14	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	109642	20.59	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	138837	26.06	ug/l	79
77) Bromobenzene	11.26	156	94796	19.02	ug/l	98
78) n-propylbenzene	11.37	91	399095	18.97	ug/l	99
79) 2-Chlorotoluene	11.43	91	243427	19.69	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	303094	18.88	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	36628	16.52	ug/l	96
82) 4-Chlorotoluene	11.52	91	276963	18.66	ug/l	100
83) tert-Butylbenzene	11.77	119	293315	18.62	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	310400	18.71	ug/l	99
85) sec-Butylbenzene	11.95	105	358676	18.94	ug/l	99
86) p-Isopropyltoluene	12.07	119	319827	18.87	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	166380	18.64	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	168200	18.85	ug/l	99
89) n-Butylbenzene	12.40	91	268299	18.68	ug/l	99
90) Hexachloroethane	12.60	117	56858	17.01	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	171920	18.90	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	30029	17.98	ug/l	99

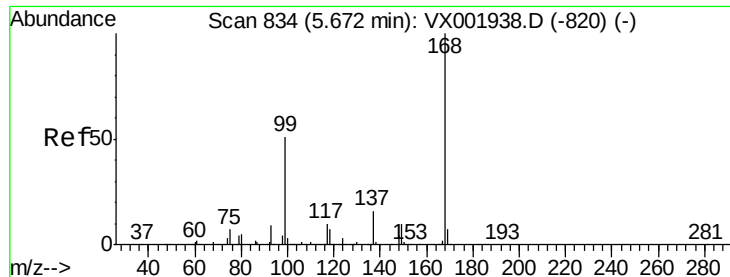
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
Data File : VX002020.D
Acq On : 26 May 2018 15:42
Operator : JC/MD
Sample : VX0526WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 28 00:31:57 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)
93) 1,2,4-Trichlorobenzene	13.65	180	118904	18.28	ug/l	99
94) Hexachlorobutadiene	13.79	225	63864	18.26	ug/l	99
95) Naphthalene	13.84	128	390601	19.49	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	126630	18.82	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

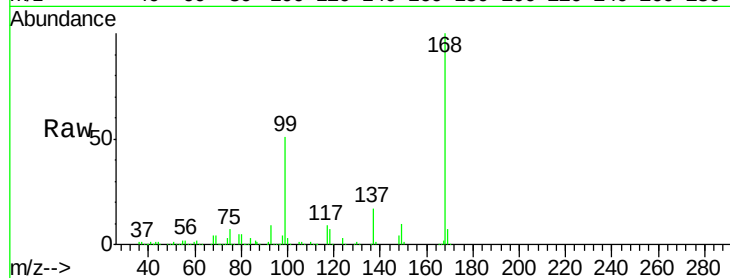
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 272120

Ion Ratio Lower Upper

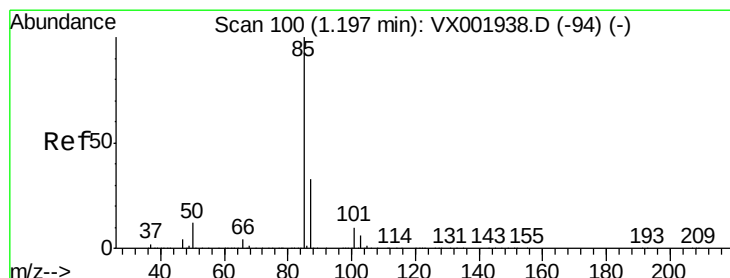
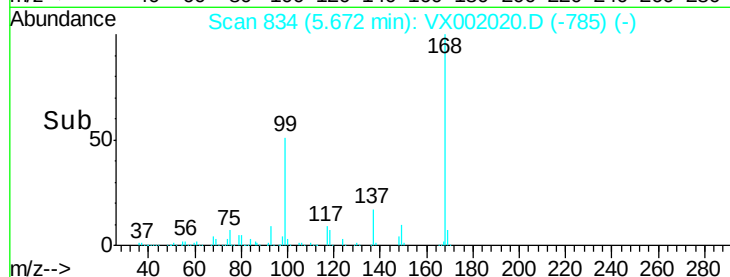
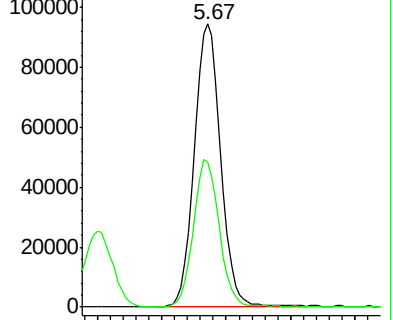
168 100

99 51.3 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: 16.83 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002020.D

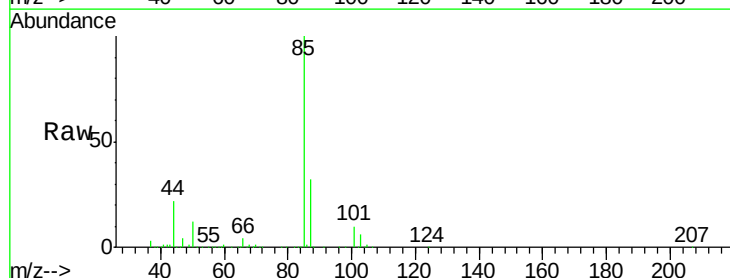
Acq: 26 May 2018 15:42

Tgt Ion: 85 Resp: 61908

Ion Ratio Lower Upper

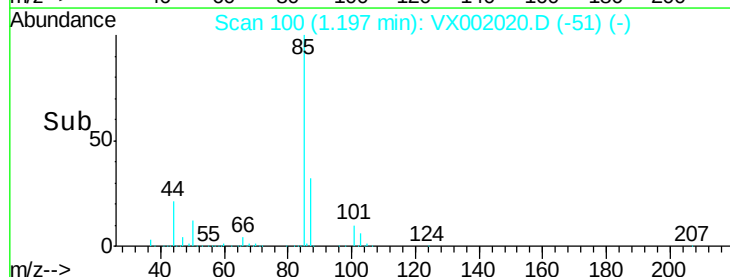
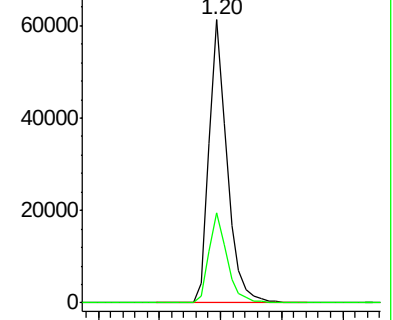
85 100

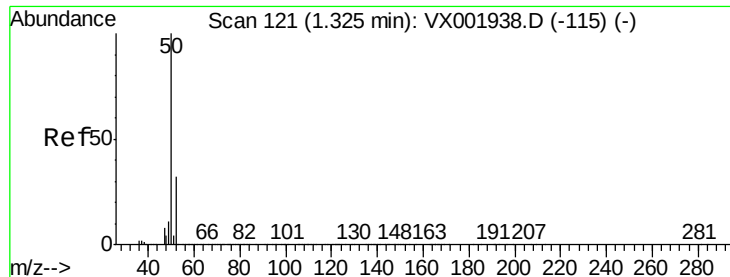
87 31.7 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.11 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

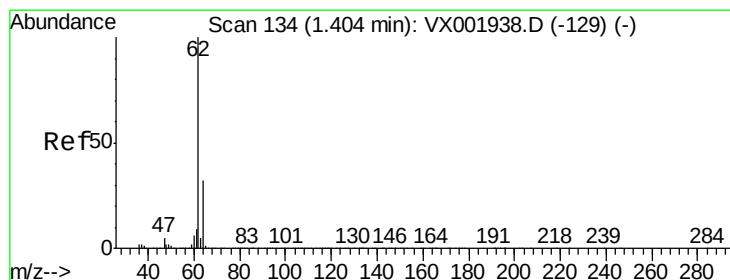
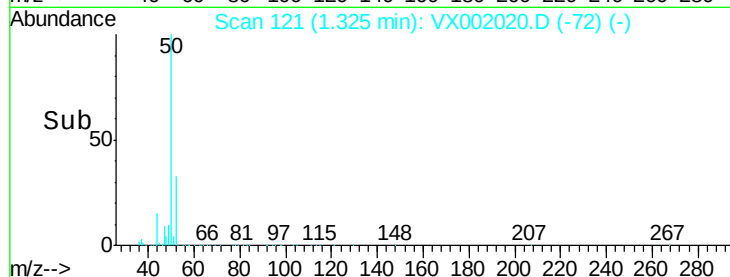
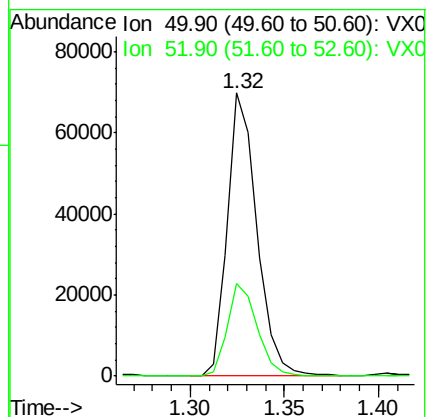
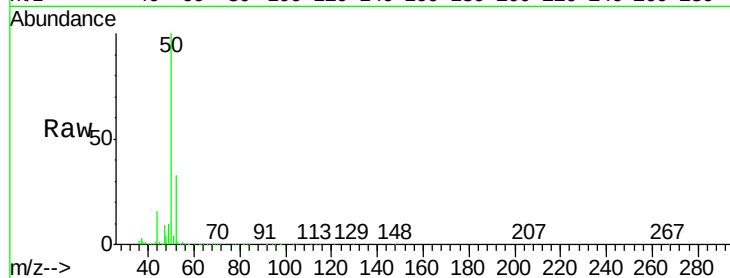
ClientSampleId :

Tot Ion: 50 Resp: 75808

Ion Ratio Lower Upper

50 100

52 32.7 26.0 39.0



#4

Vinyl Chloride

Concen: 19.06 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002020.D

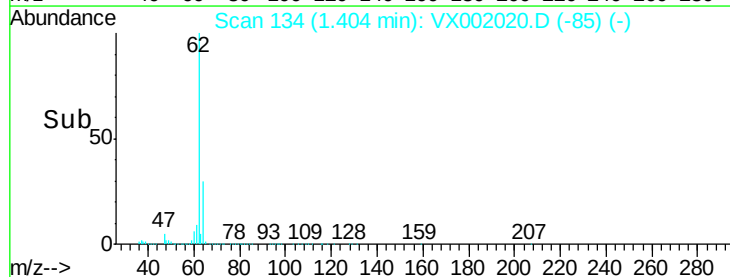
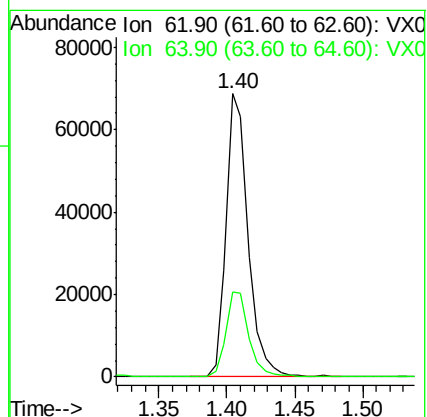
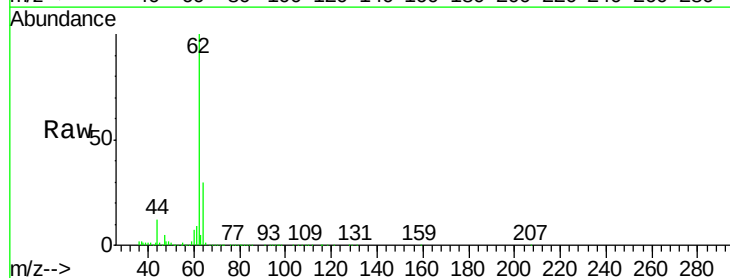
Acq: 26 May 2018 15:42

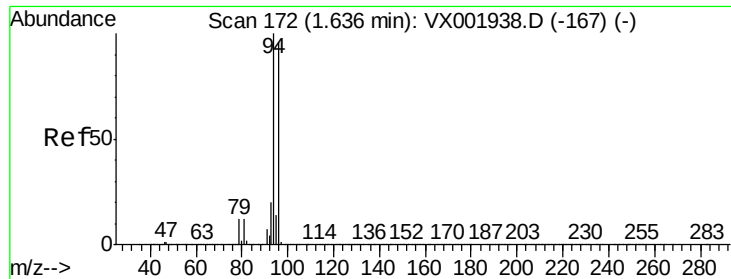
Tgt Ion: 62 Resp: 77059

Ion Ratio Lower Upper

62 100

64 30.1 25.4 38.0





#5

Bromomethane

Concen: 21.19 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

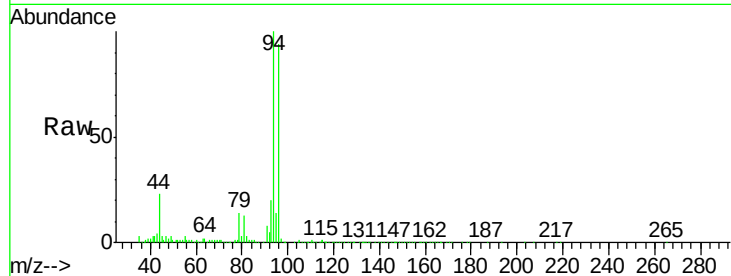
ClientSampled :

Tot Ion: 94 Resp: 40469

Ion Ratio Lower Upper

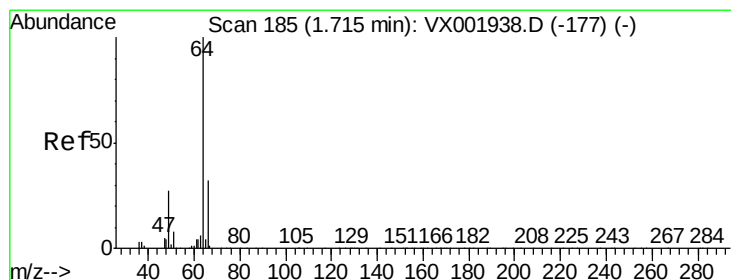
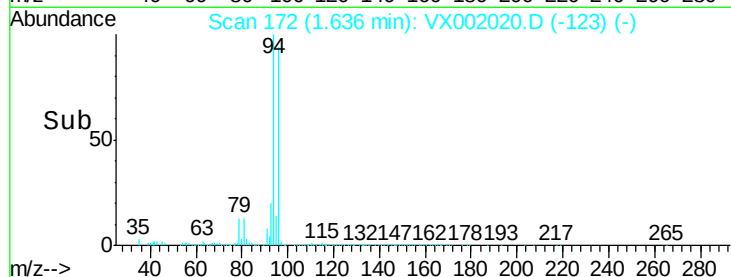
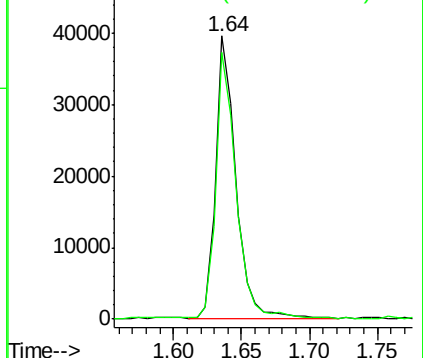
94 100

96 94.0 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.20 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX002020.D

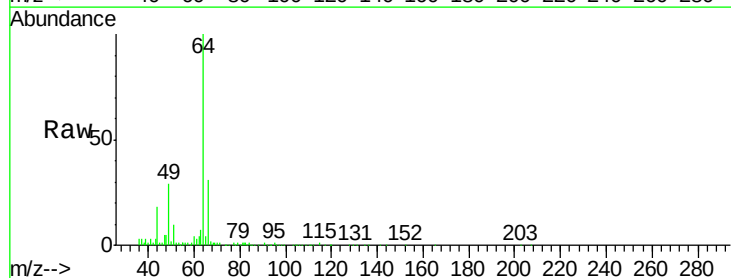
Acq: 26 May 2018 15:42

Tgt Ion: 64 Resp: 48137

Ion Ratio Lower Upper

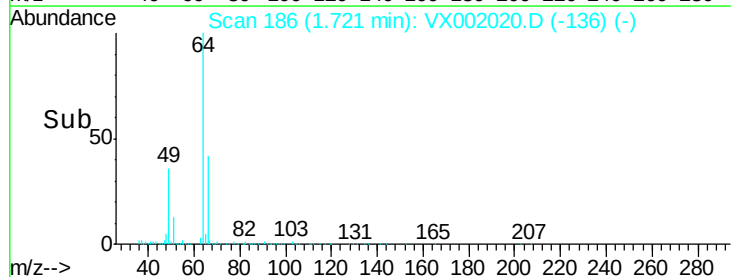
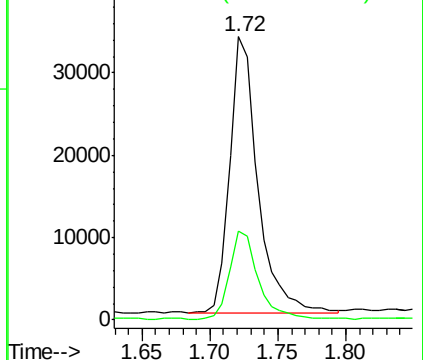
64 100

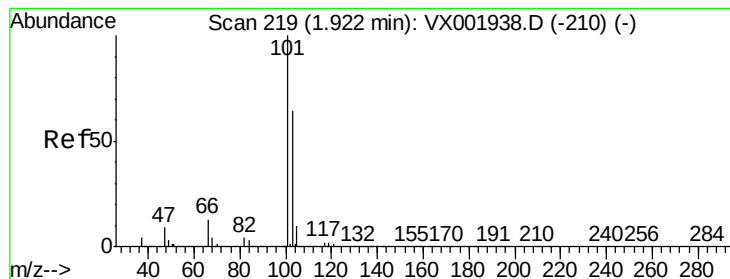
66 32.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



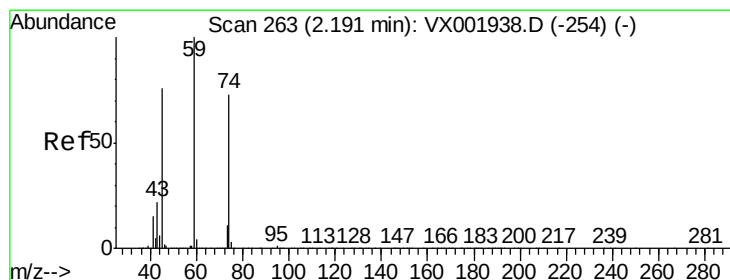
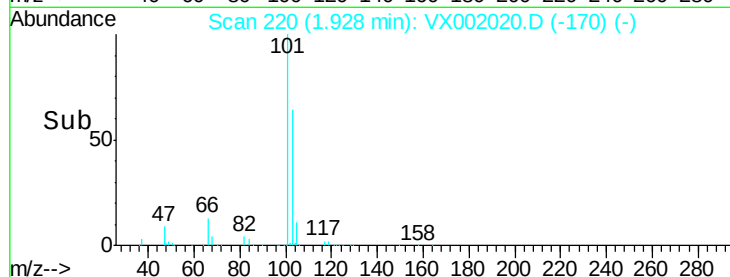
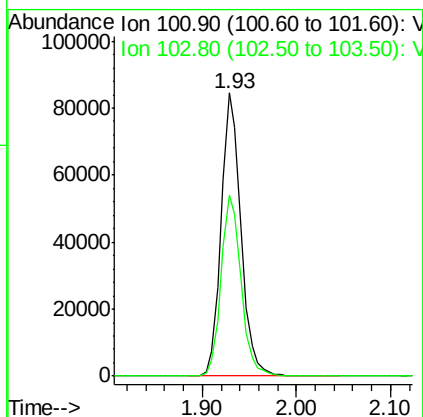
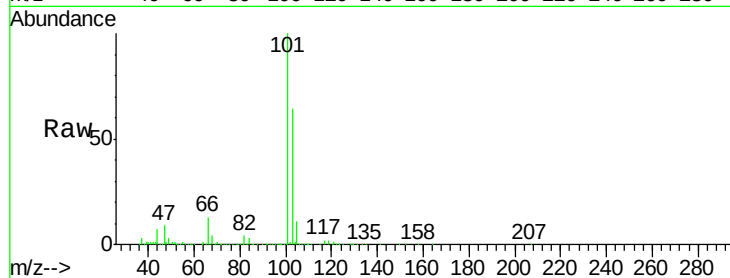


#7

Trichlorofluoromethane
Concen: 20.26 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX002020.D
Acq: 26 May 2018 15:42

Instrument :
MSVOA_X
ClientSampleId :

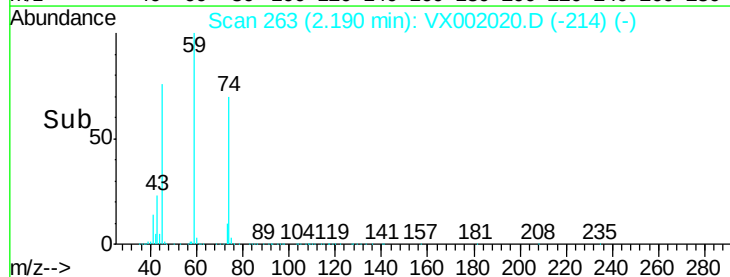
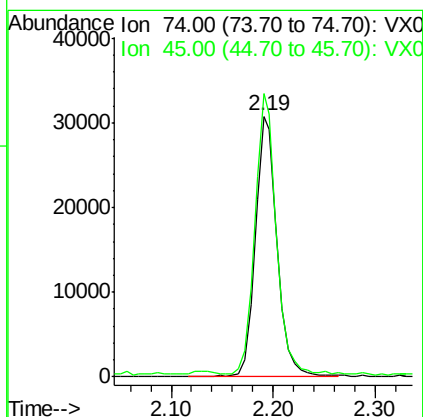
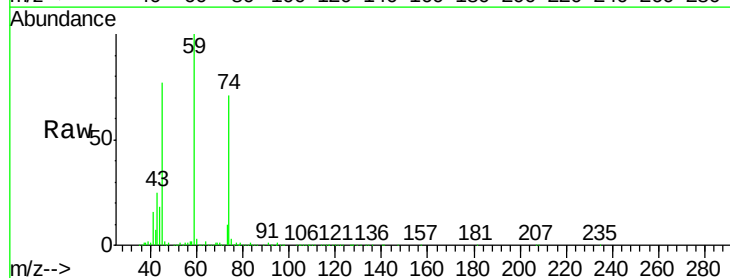
Tot Ion:101 Resp: 123013
Ion Ratio Lower Upper
101 100
103 63.9 51.4 77.0

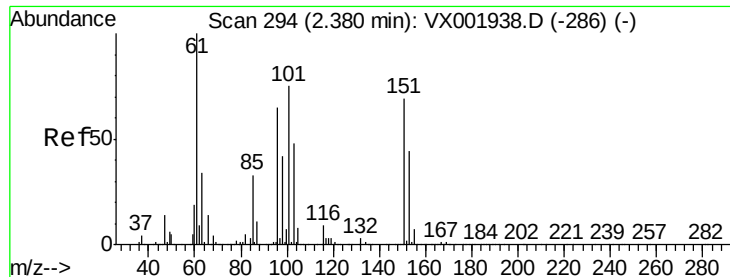


#8

Diethyl Ether
Concen: 20.99 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002020.D
Acq: 26 May 2018 15:42

Tgt Ion: 74 Resp: 46242
Ion Ratio Lower Upper
74 100
45 104.3 51.5 154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.53 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

ClientSampled :

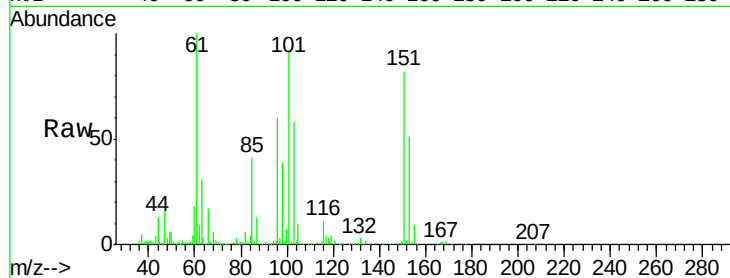
Tot Ion:101 Resp: 69548

Ion Ratio Lower Upper

101 100

85 43.7 35.6 53.4

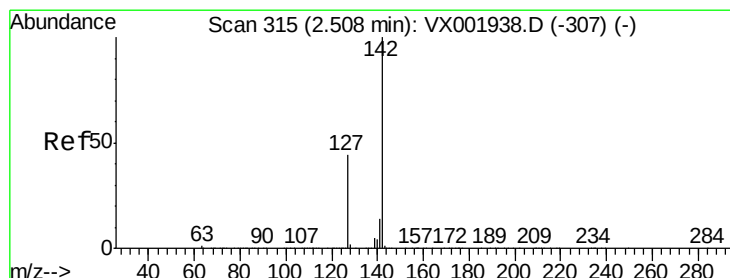
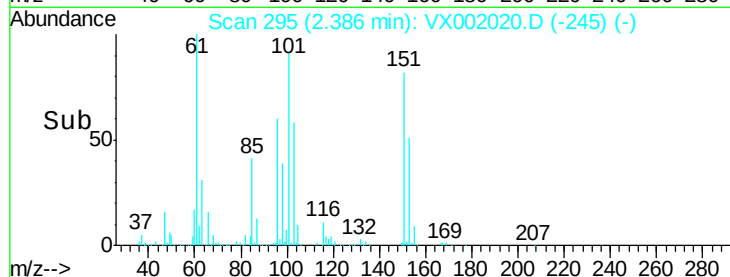
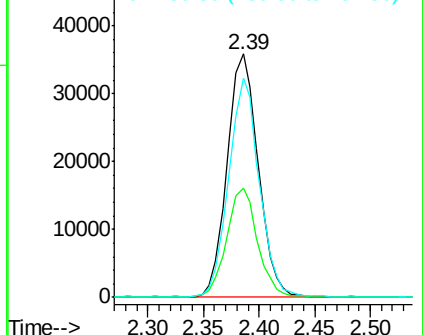
151 89.0 73.2 109.8



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: 14.47 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

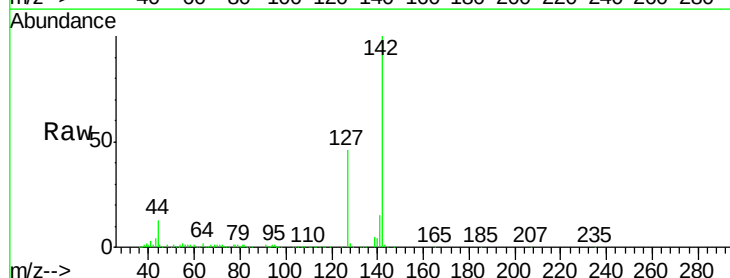
Tgt Ion:142 Resp: 66343

Ion Ratio Lower Upper

142 100

127 45.0 35.5 53.3

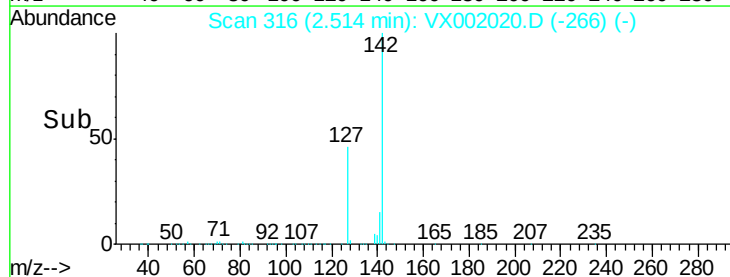
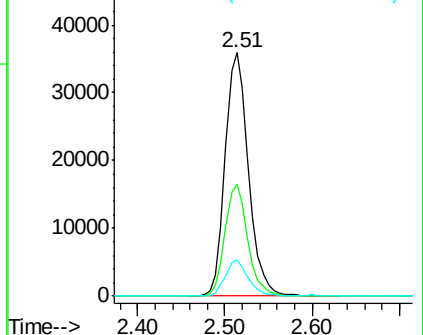
141 14.7 11.3 16.9

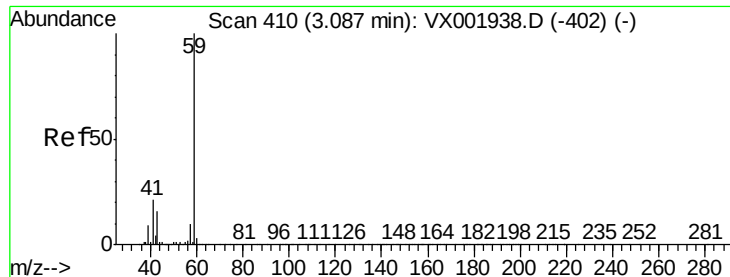


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



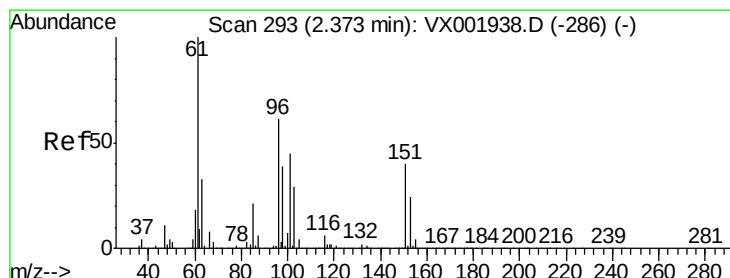
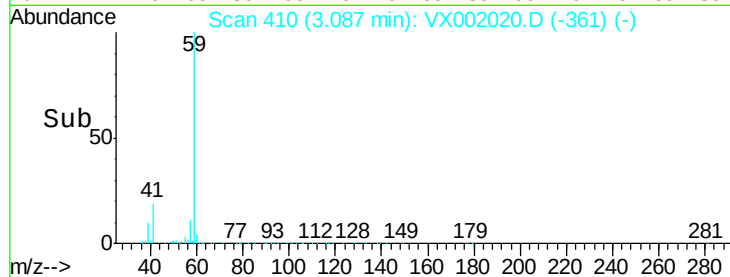
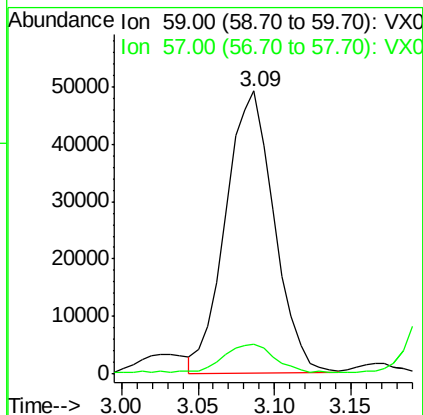
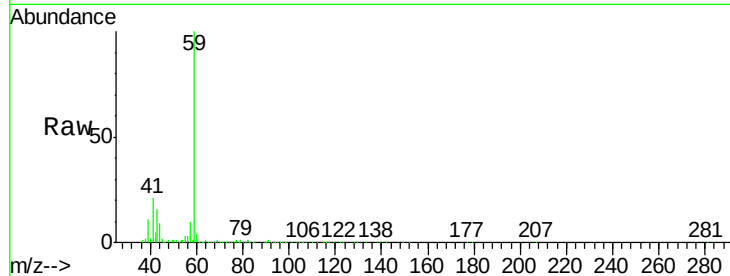


#11

Tert butyl alcohol
 Concen: 112.97 ug/l
 RT: 3.09 min Scan# 410
 Delta R.T. -0.00 min
 Lab File: VX002020.D
 Acq: 26 May 2018 15:42

Instrument :
 MSVOA_X
 ClientSampled :

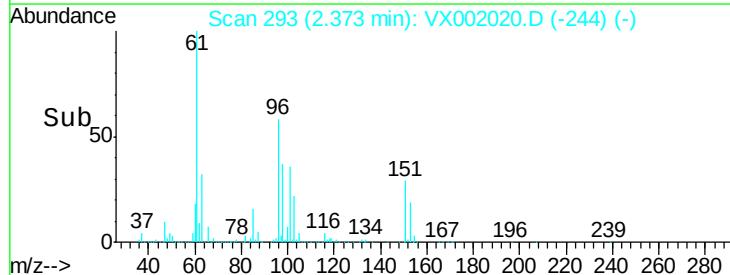
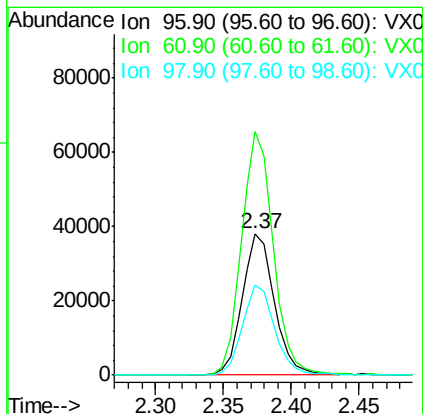
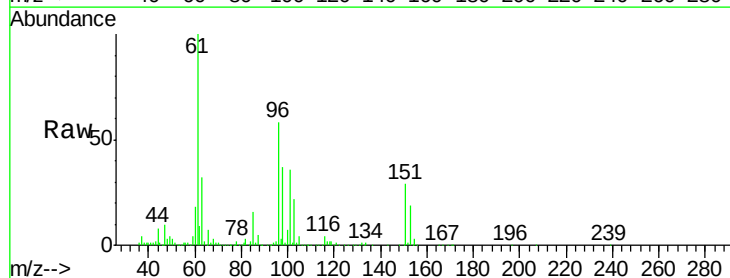
Tot Ion: 59 Resp: 107867
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.9 13.3

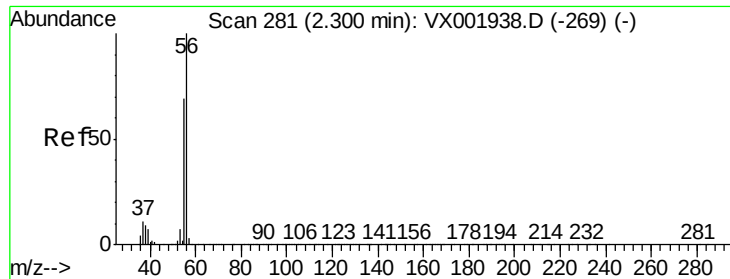


#12

1,1-Dichloroethene
 Concen: 19.54 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002020.D
 Acq: 26 May 2018 15:42

Tgt Ion: 96 Resp: 61963
 Ion Ratio Lower Upper
 96 100
 61 173.1 131.7 197.5
 98 63.8 51.6 77.4





#13

Acrolein

Concen: 81.56 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

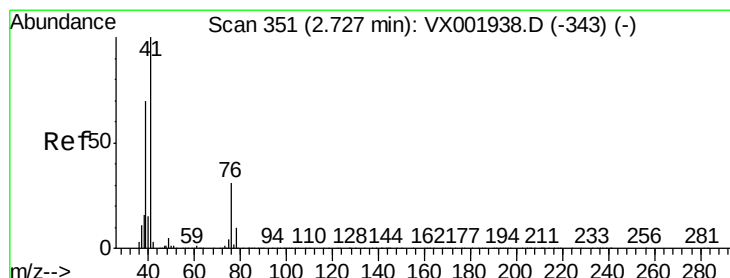
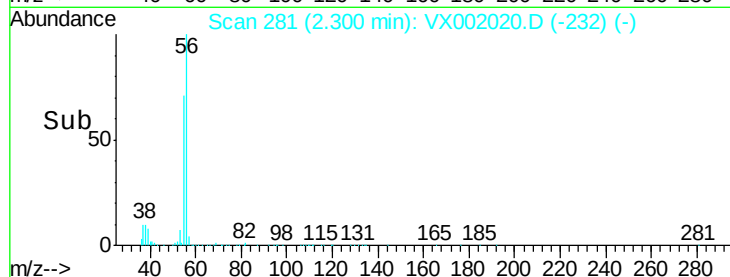
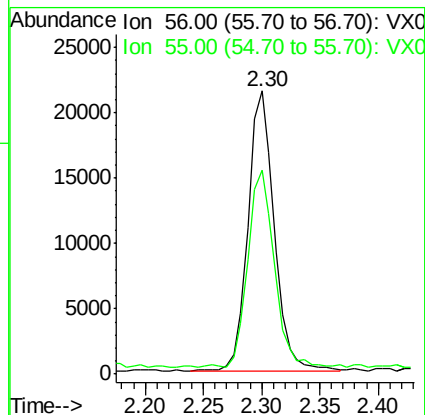
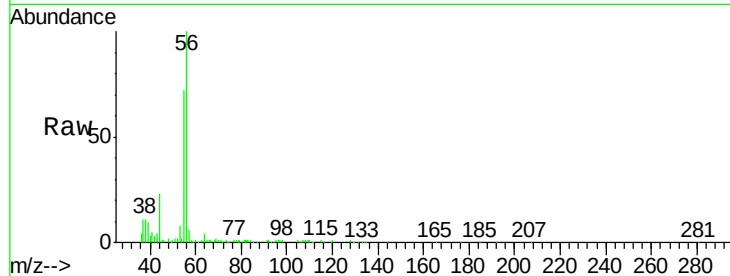
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 33669

Ion Ratio Lower Upper

56 100

55 72.2 56.8 85.2



#14

Allyl chloride

Concen: 20.84 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

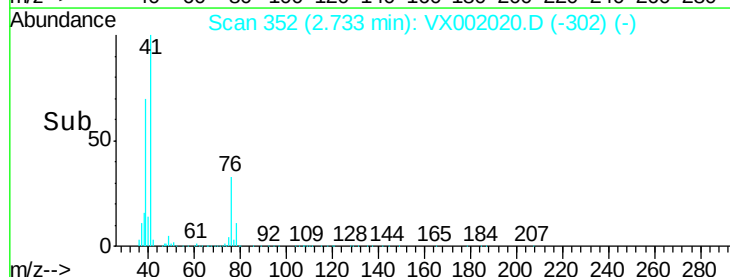
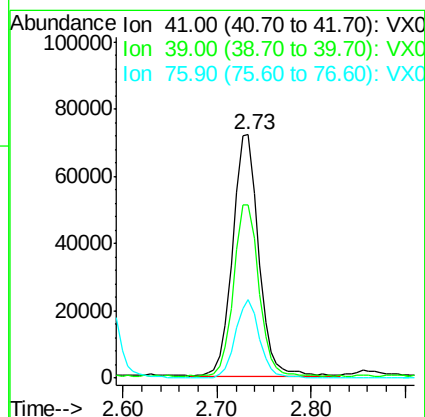
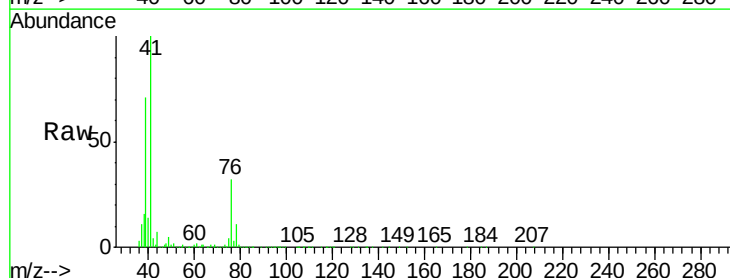
Tgt Ion: 41 Resp: 138777

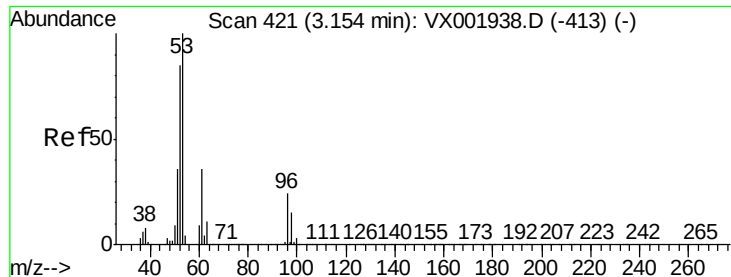
Ion Ratio Lower Upper

41 100

39 68.6 54.3 81.5

76 30.3 24.2 36.4





#15

Acrylonitrile

Concen: 107.24 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

ClientSampleId :

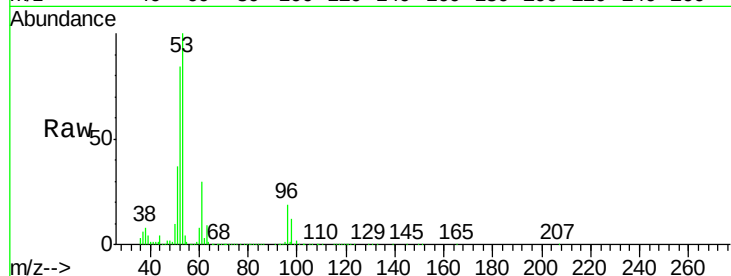
Tot Ion: 53 Resp: 210566

Ion Ratio Lower Upper

53 100

52 83.8 66.4 99.6

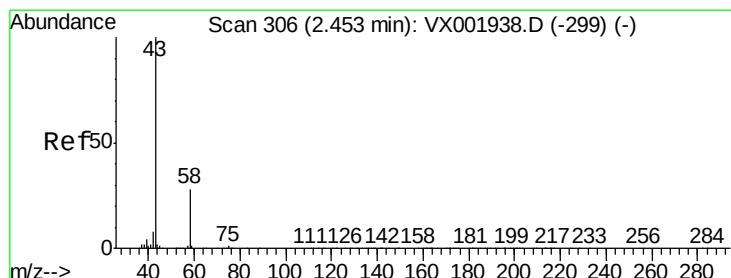
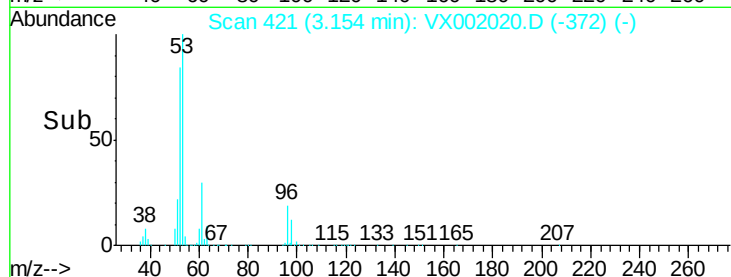
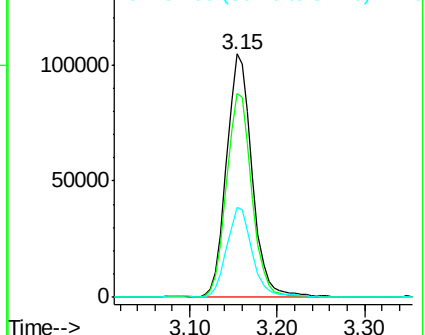
51 37.0 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 123.67 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002020.D

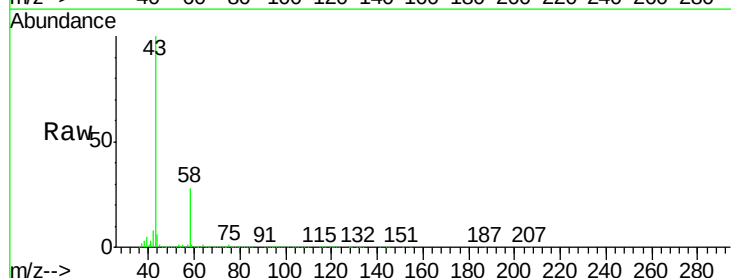
Acq: 26 May 2018 15:42

Tgt Ion: 43 Resp: 232164

Ion Ratio Lower Upper

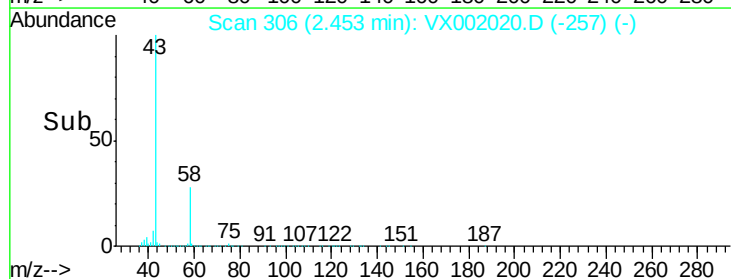
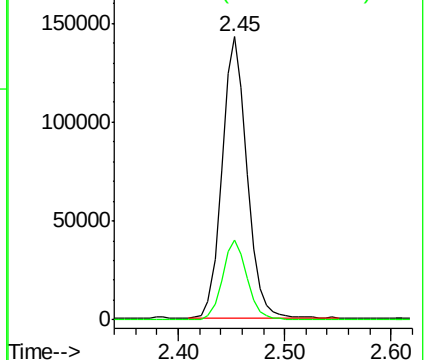
43 100

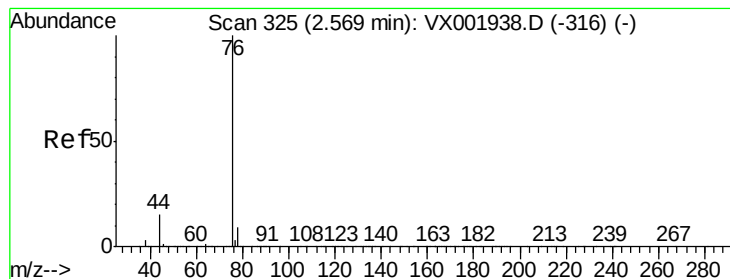
58 28.1 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 18.68 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

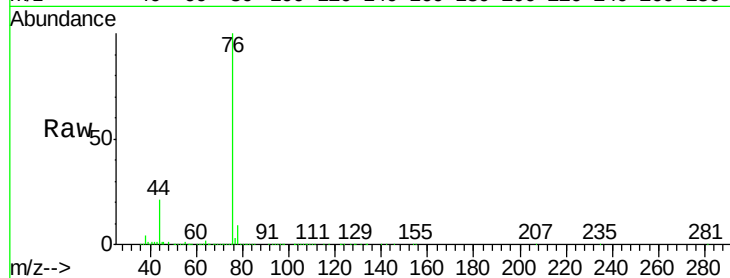
ClientSampleId :

Tot Ion: 76 Resp: 170551

Ion Ratio Lower Upper

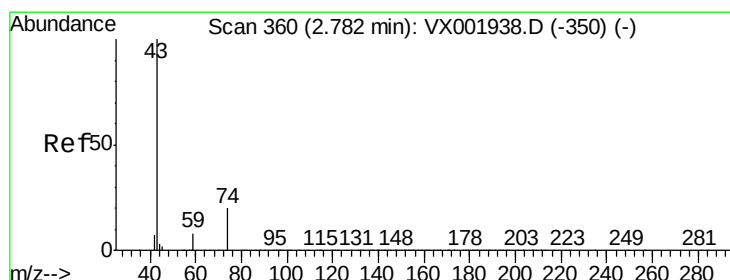
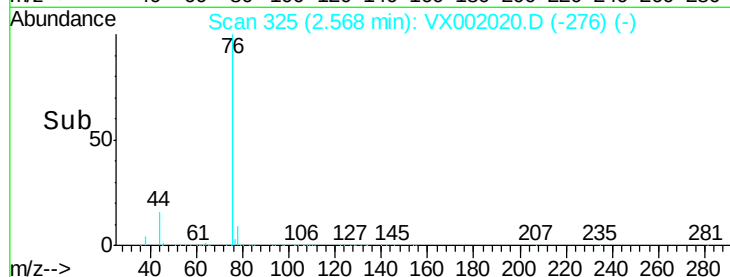
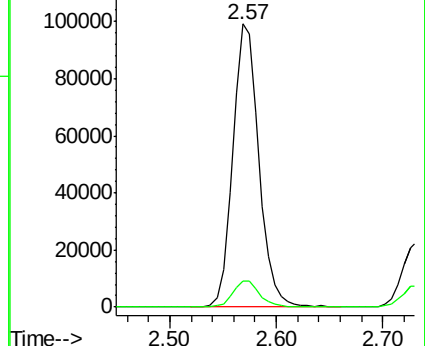
76 100

78 8.9 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 23.24 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002020.D

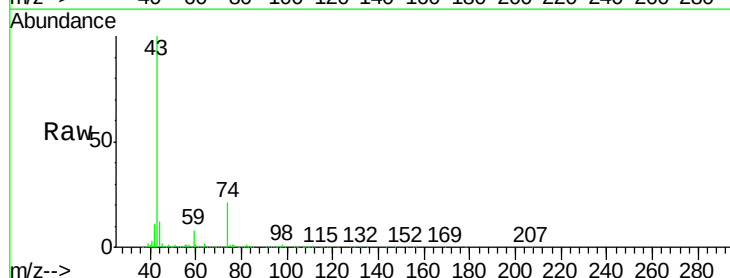
Acq: 26 May 2018 15:42

Tgt Ion: 43 Resp: 107826

Ion Ratio Lower Upper

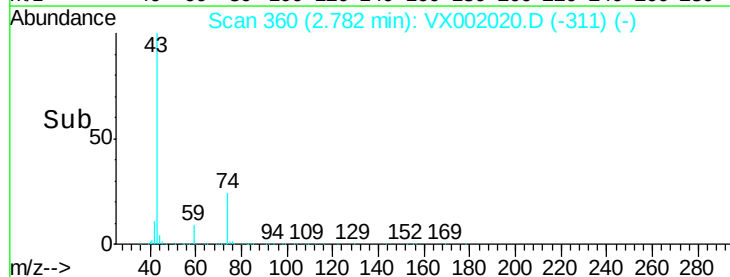
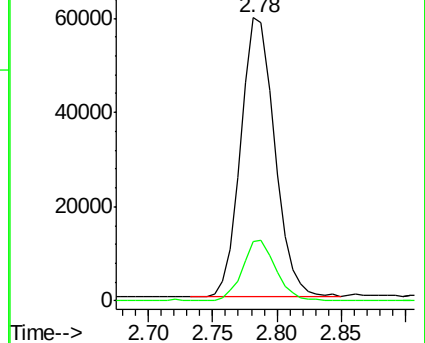
43 100

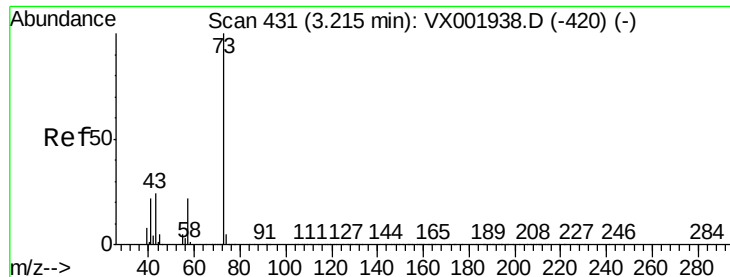
74 21.1 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



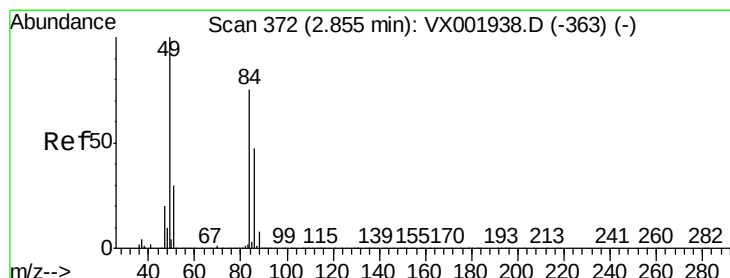
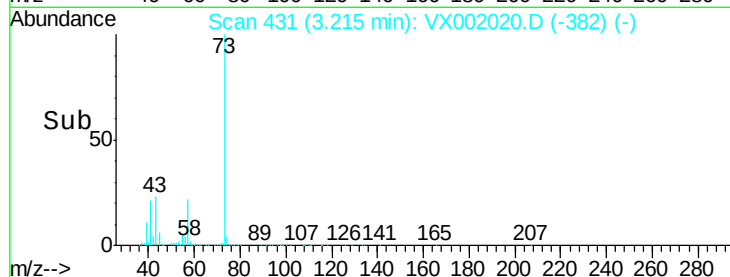
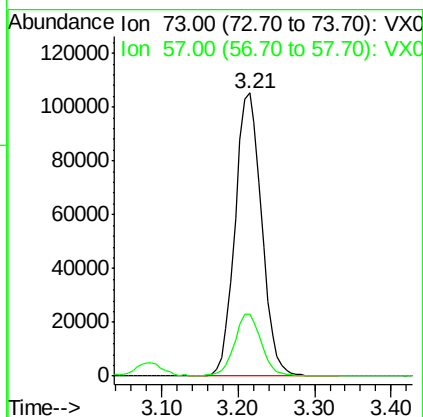
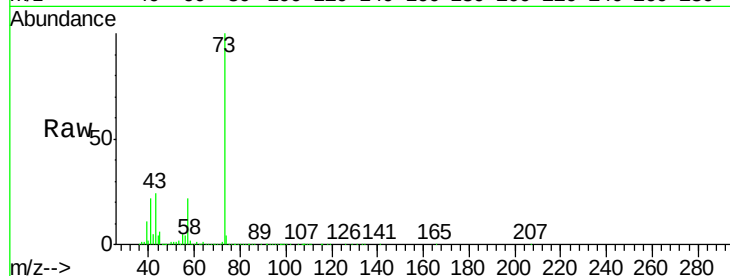


#19

Methyl tert-butyl Ether
 Concen: 21.23 ug/l
 RT: 3.21 min Scan# 431
 Delta R.T. -0.00 min
 Lab File: VX002020.D
 Acq: 26 May 2018 15:42

Instrument :
 MSVOA_X
 ClientSampleId :

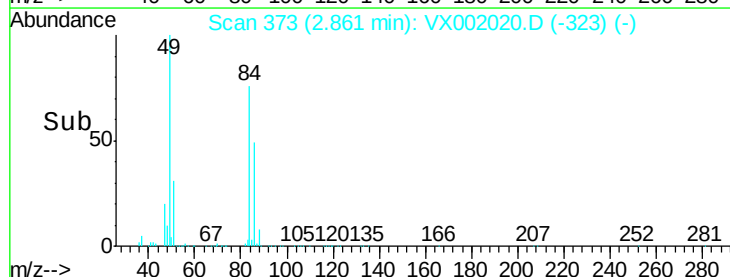
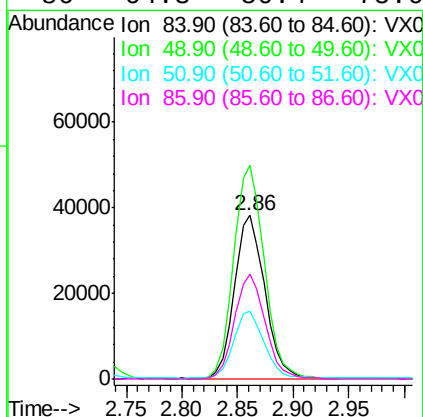
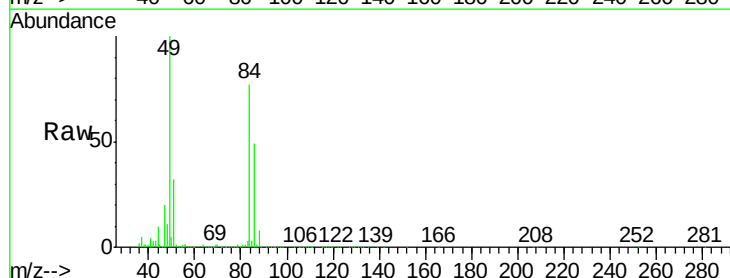
Tot Ion: 73 Resp: 253294
 Ion Ratio Lower Upper
 73 100
 57 21.8 17.4 26.0

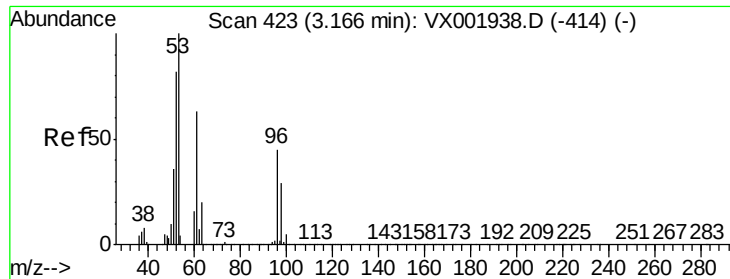


#20

Methylene Chloride
 Concen: 21.17 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.01 min
 Lab File: VX002020.D
 Acq: 26 May 2018 15:42

Tgt Ion: 84 Resp: 71919
 Ion Ratio Lower Upper
 84 100
 49 130.9 107.2 160.8
 51 41.2 32.4 48.6
 86 64.3 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 20.39 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

ClientSampleId :

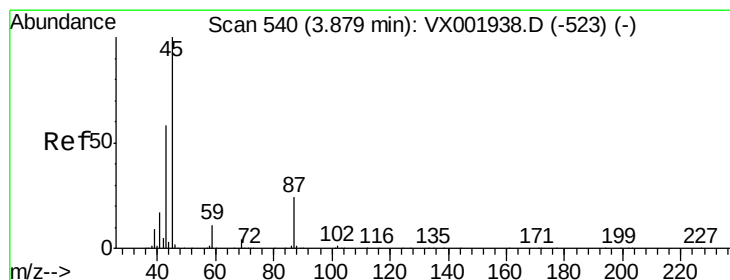
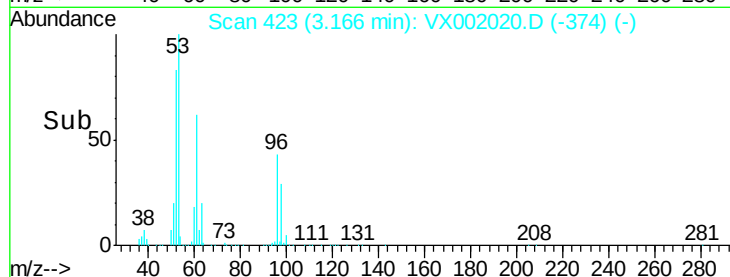
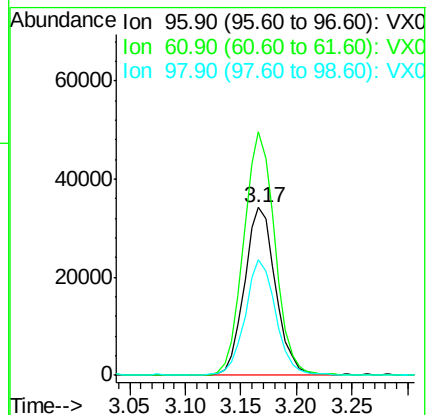
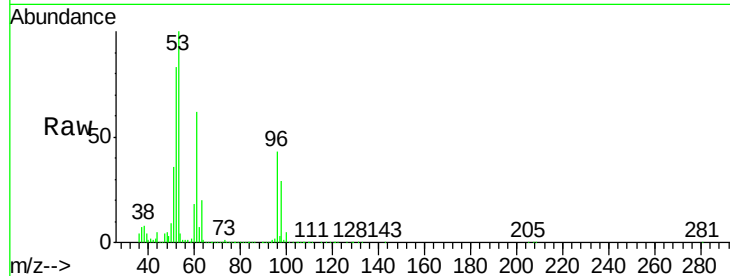
Tot Ion: 96 Resp: 65844

Ion Ratio Lower Upper

96 100

61 145.2 113.3 169.9

98 68.3 51.7 77.5



#22

Diisopropyl ether

Concen: 18.89 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Tgt Ion: 45 Resp: 255845

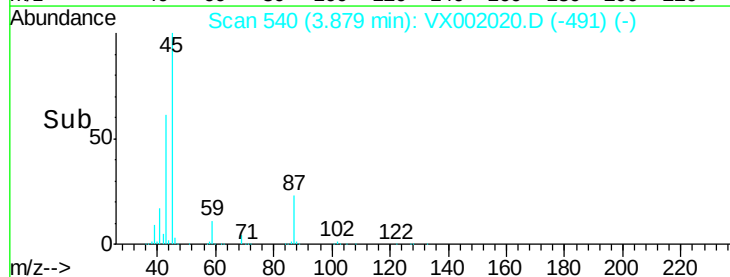
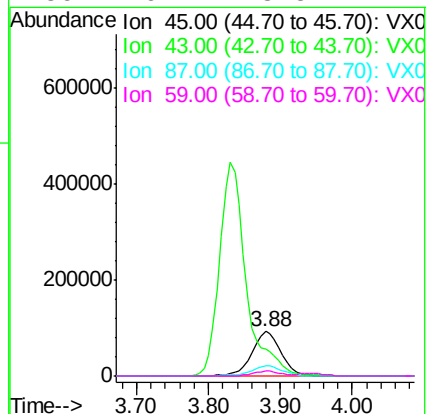
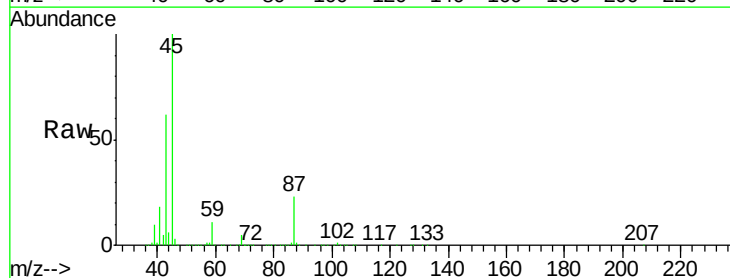
Ion Ratio Lower Upper

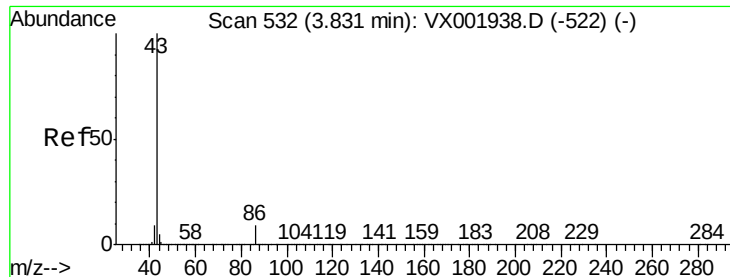
45 100

43 60.8 47.0 70.6

87 23.5 19.4 29.0

59 10.7 8.5 12.7





#23

Vinyl Acetate

Concen: 102.30 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

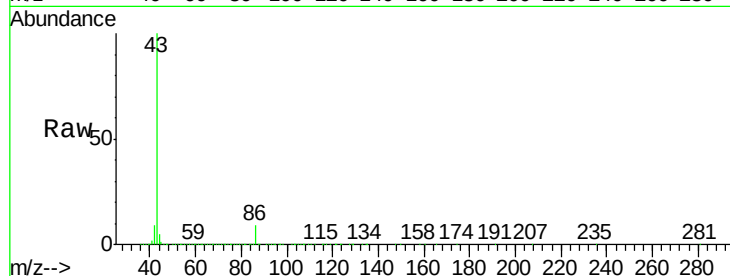
ClientSampled :

Tot Ion: 43 Resp: 1148618

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

3.83

400000

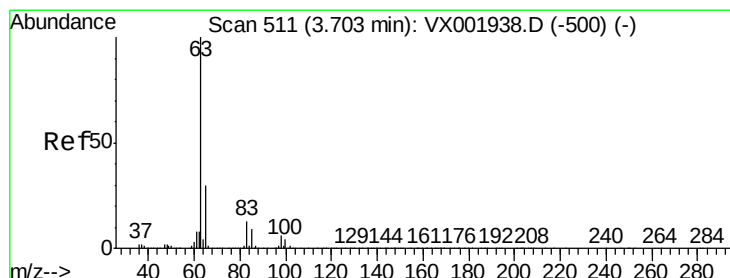
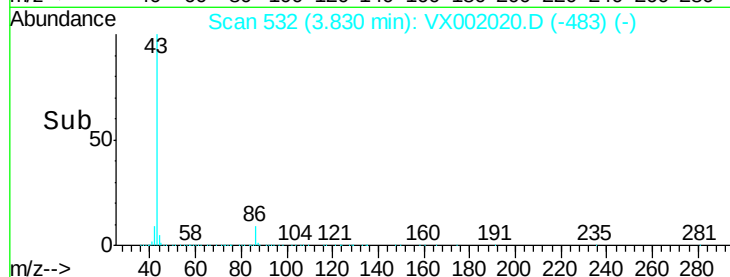
300000

200000

100000

0

Time--> 3.70 3.80 3.90 4.00 4.10



#24

1,1-Dichloroethane

Concen: 21.07 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

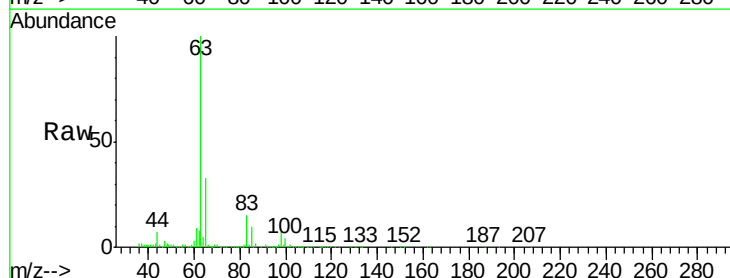
Tgt Ion: 63 Resp: 135527

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.2 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

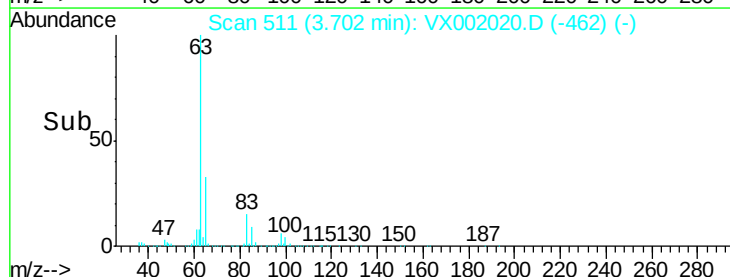
60000

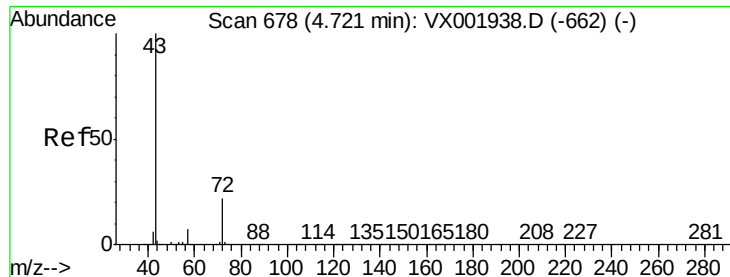
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 98.29 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

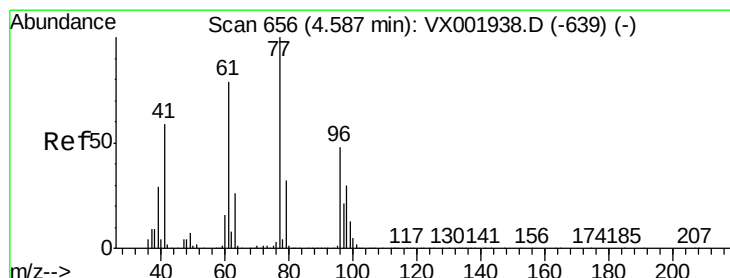
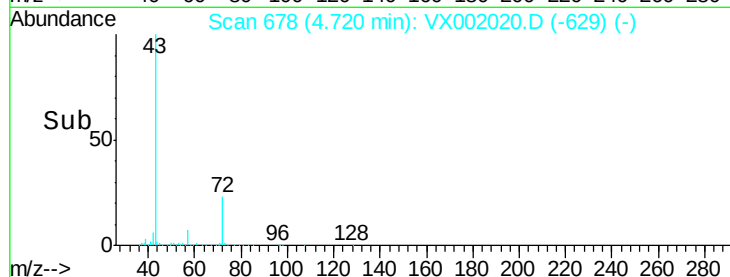
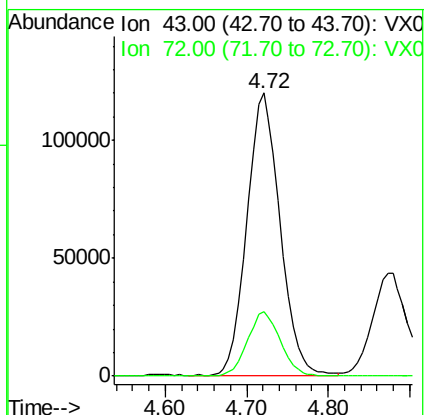
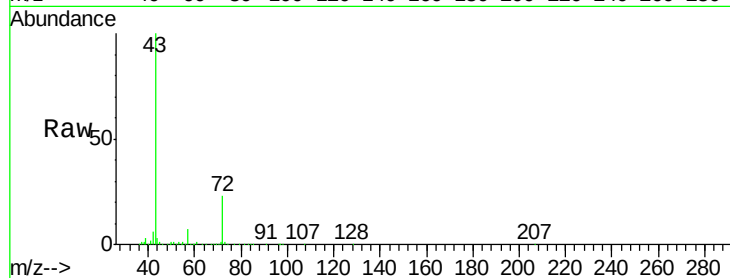
ClientSampleId :

Tot Ion: 43 Resp: 338189

Ion Ratio Lower Upper

43 100

72 22.7 17.9 26.9



#26

2,2-Dichloropropane

Concen: 17.76 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX002020.D

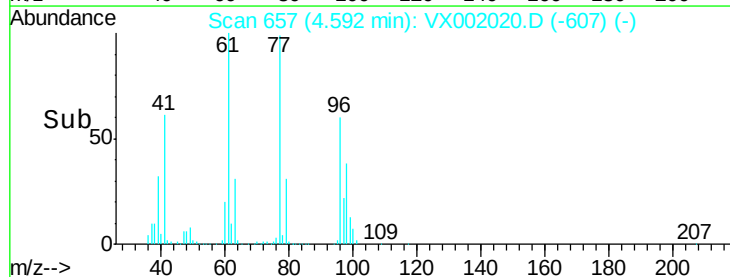
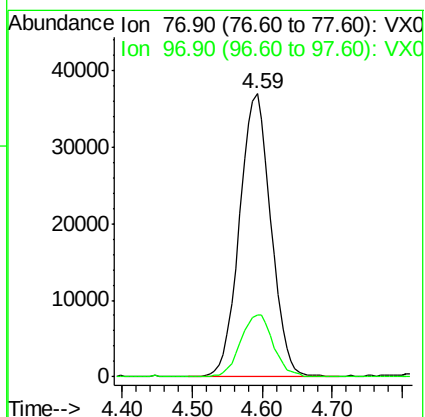
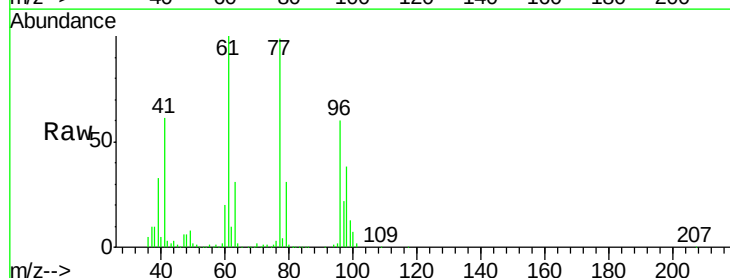
Acq: 26 May 2018 15:42

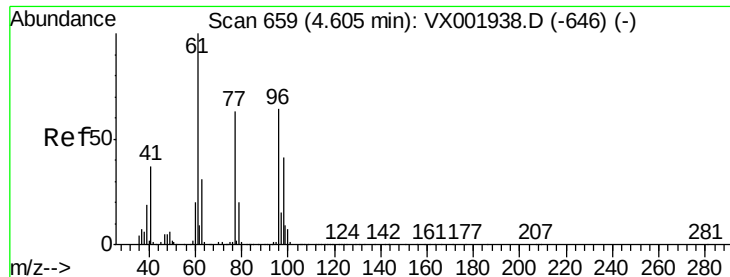
Tgt Ion: 77 Resp: 115660

Ion Ratio Lower Upper

77 100

97 22.8 11.2 33.5



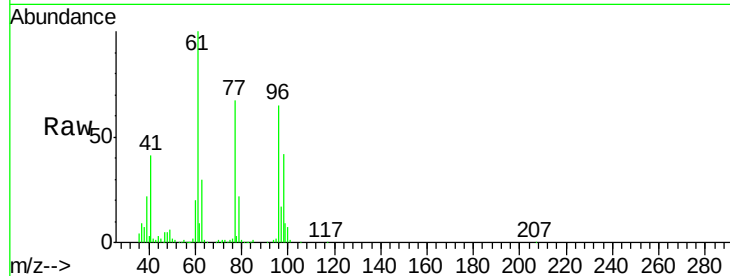


#27

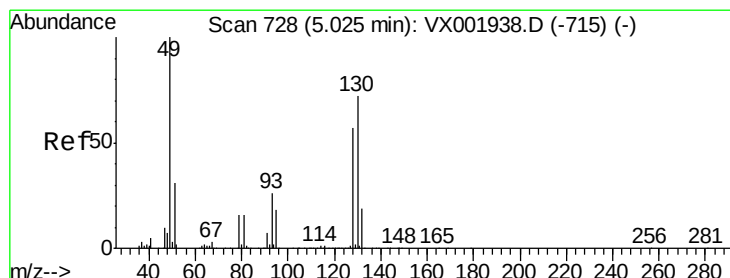
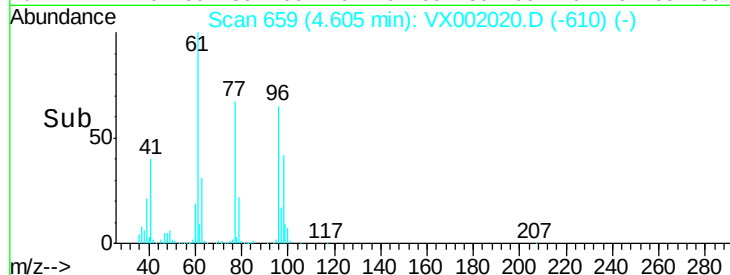
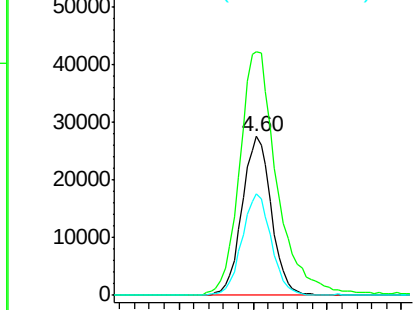
cis-1,2-Dichloroethene
Concen: 18.39 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX002020.D
Acq: 26 May 2018 15:42

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	195.2	0.0	348.4
98	64.1	0.0	128.6



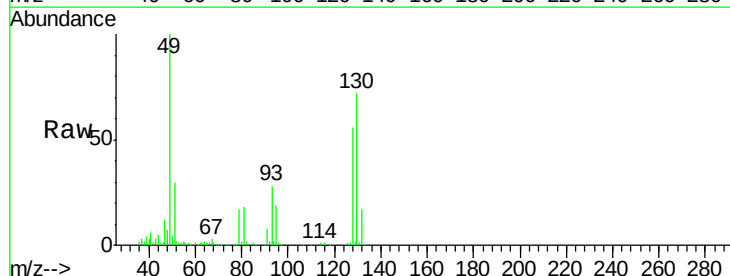
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



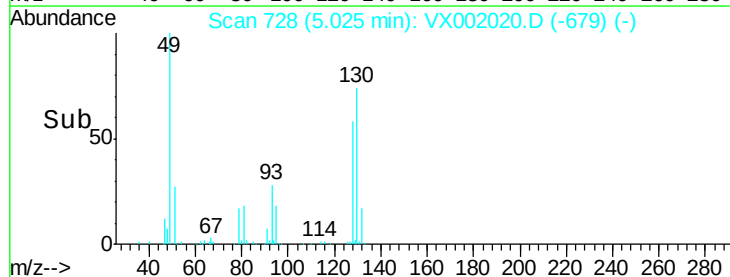
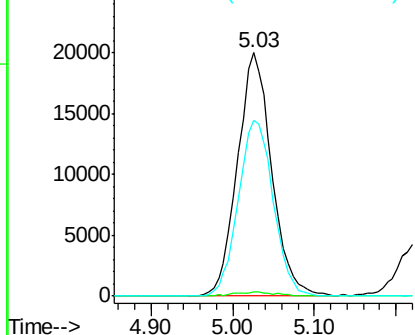
#28

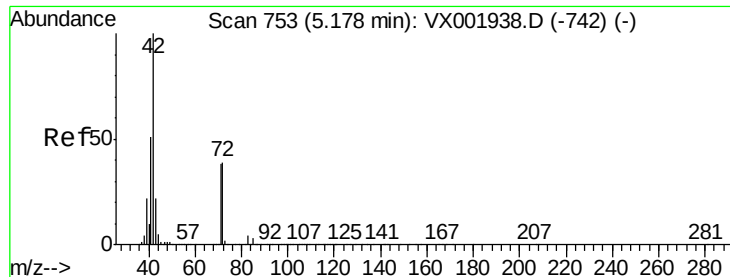
Bromochloromethane
Concen: 20.34 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002020.D
Acq: 26 May 2018 15:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	73.6	59.4	89.2



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 95.16 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

ClientSampleId :

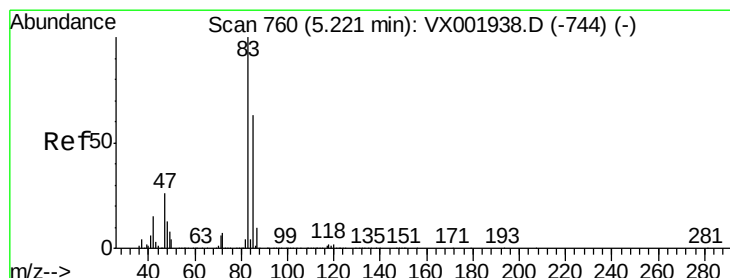
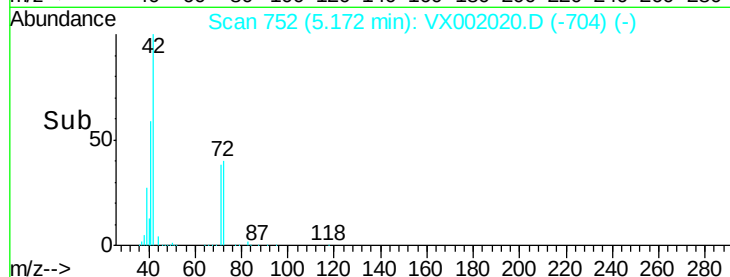
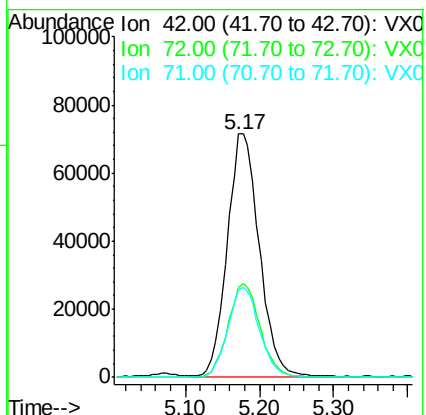
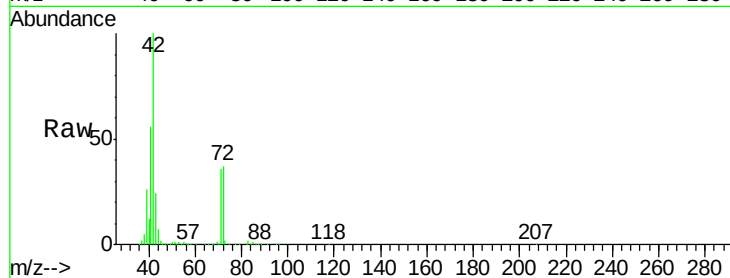
Tot Ion: 42 Resp: 213015

Ion Ratio Lower Upper

42 100

72 39.0 31.4 47.0

71 37.2 29.5 44.3



#30

Chloroform

Concen: 18.08 ug/l

RT: 5.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VX002020.D

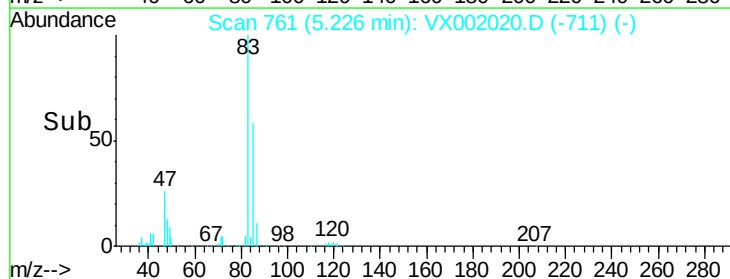
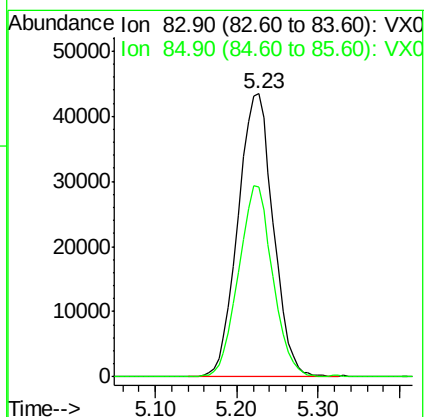
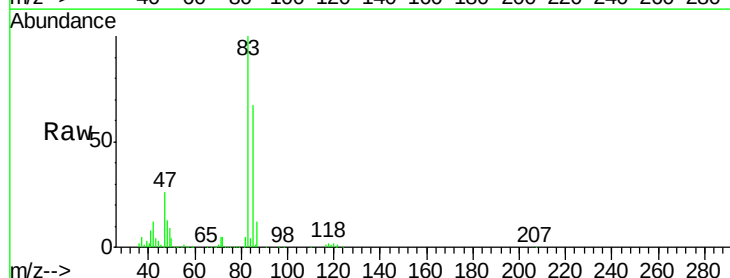
Acq: 26 May 2018 15:42

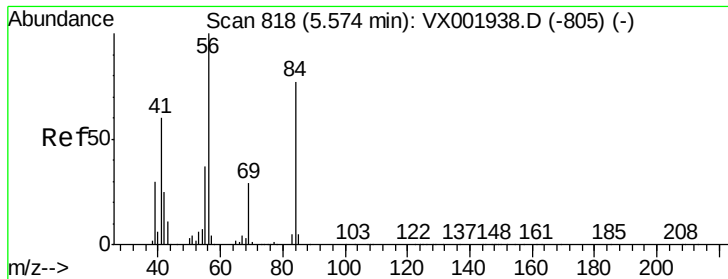
Tgt Ion: 83 Resp: 131003

Ion Ratio Lower Upper

83 100

85 66.9 50.9 76.3

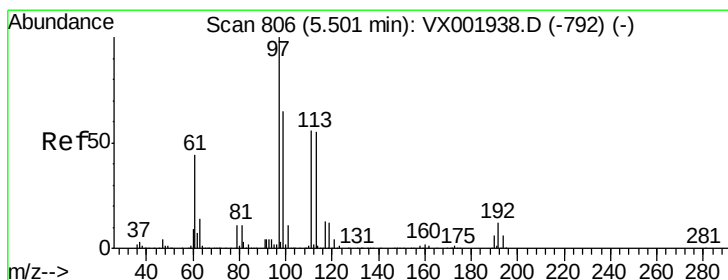
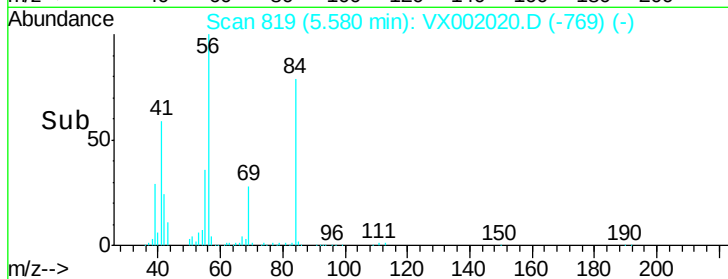
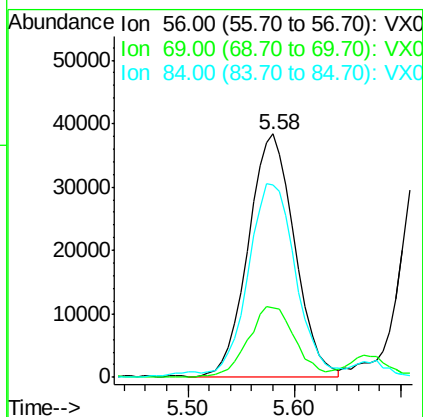
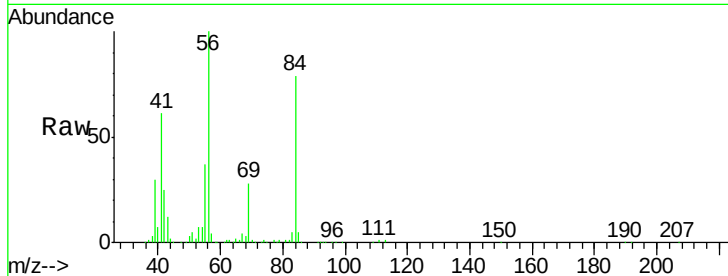




#31
Cyclohexane
Concen: 17.33 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002020.D
Acq: 26 May 2018 15:42

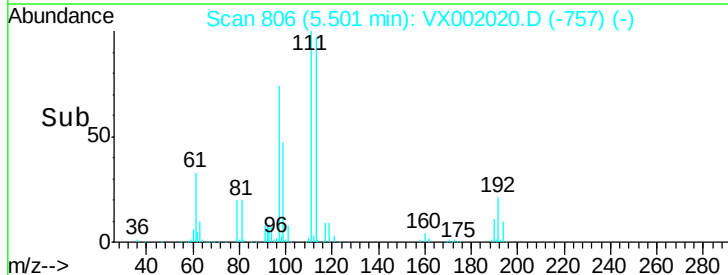
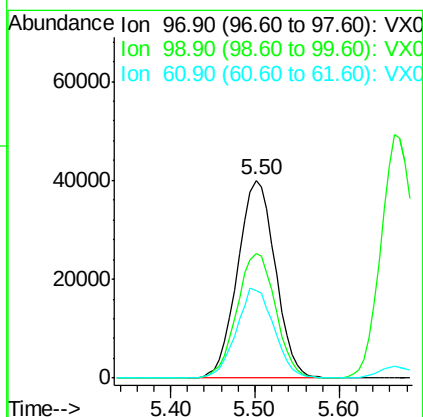
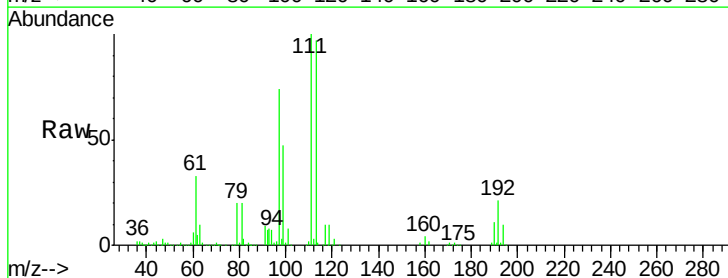
Instrument :
MSVOA_X
ClientSampled :

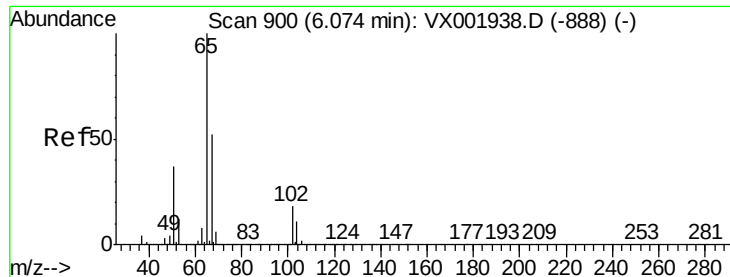
Tot Ion: 56 Resp: 116156
Ion Ratio Lower Upper
56 100
69 28.2 23.1 34.7
84 77.1 62.0 93.0



#32
1,1,1-Trichloroethane
Concen: 18.01 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX002020.D
Acq: 26 May 2018 15:42

Tgt Ion: 97 Resp: 121669
Ion Ratio Lower Upper
97 100
99 64.4 51.9 77.9
61 45.3 35.9 53.9

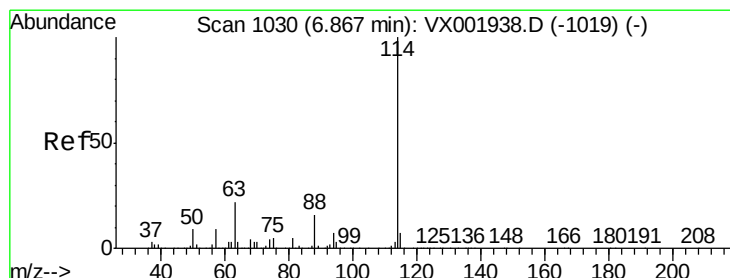
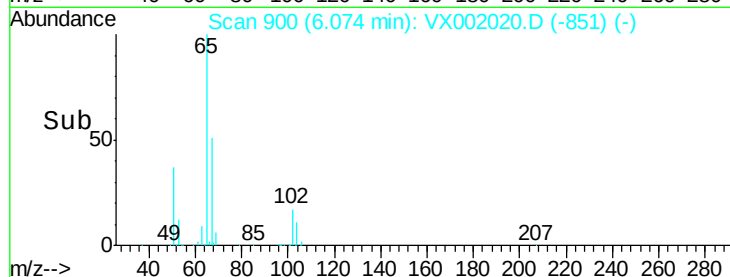
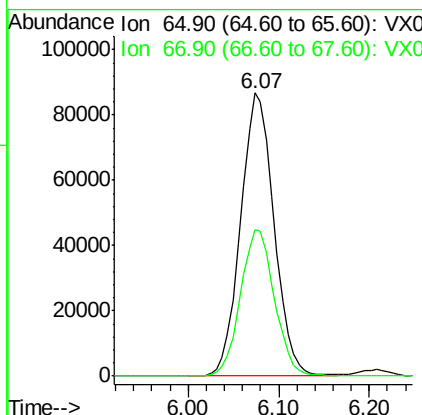
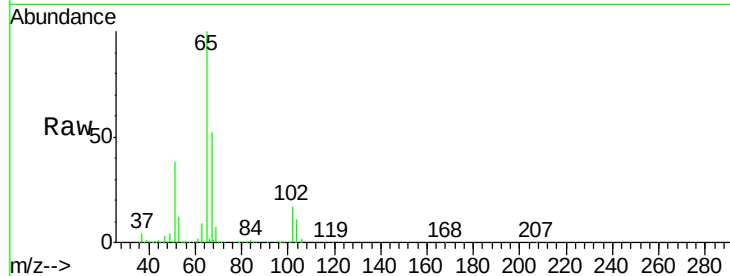




#33
 1,2-Dichloroethane-d4
 Concen: 45.52 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002020.D
 Acq: 26 May 2018 15:42

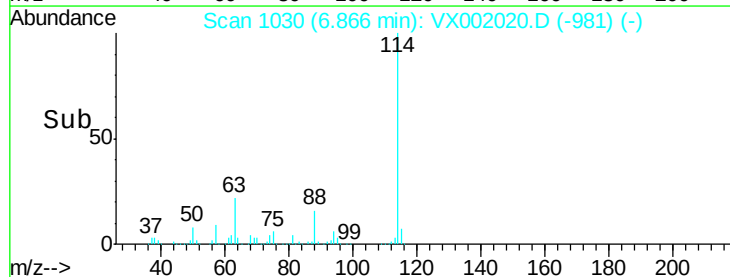
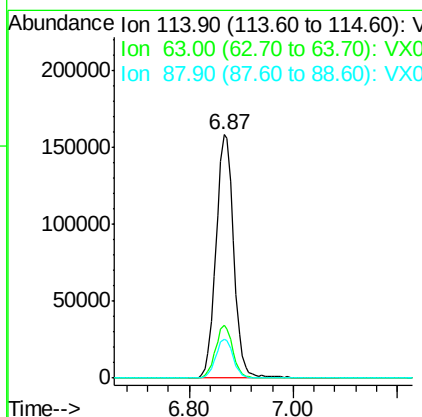
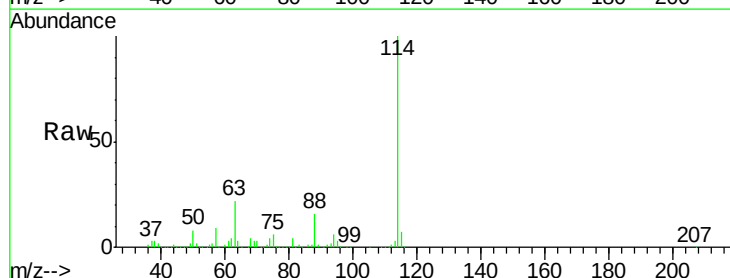
Instrument :
 MSVOA_X
 ClientSampleId :

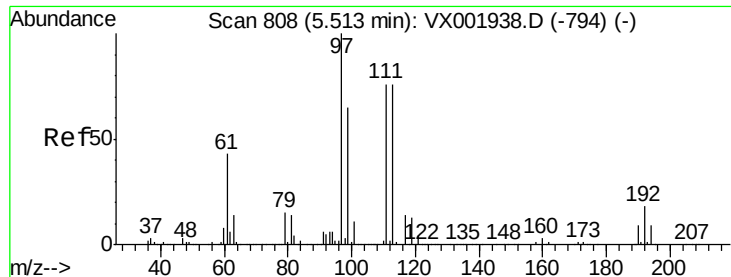
Tot Ion: 65 Resp: 221417
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002020.D
 Acq: 26 May 2018 15:42

Tgt Ion: 114 Resp: 378498
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 16.0 0.0 31.6

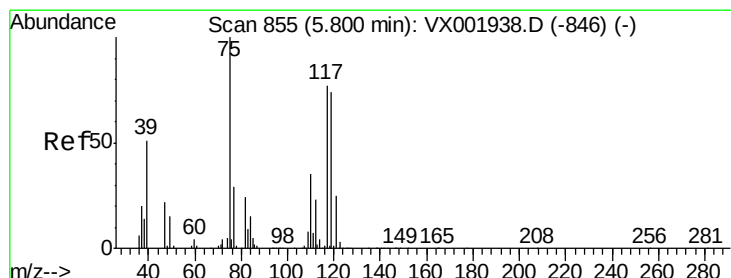
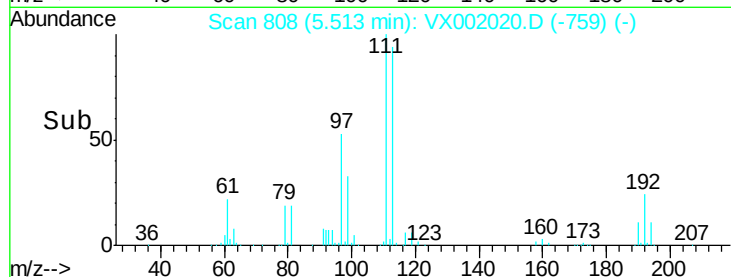
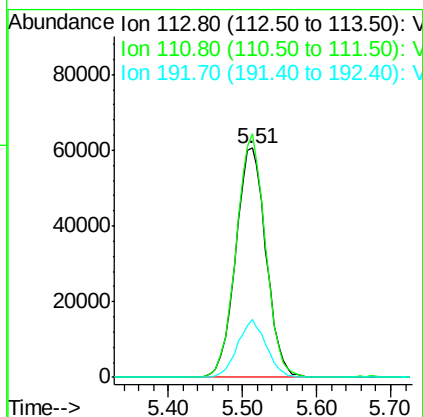
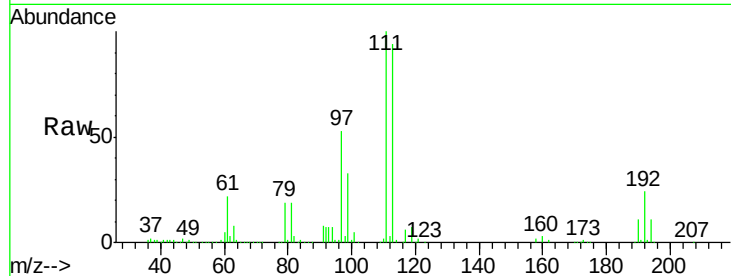




#35
 Dibromofluoromethane
 Concen: 45.78 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX002020.D
 Acq: 26 May 2018 15:42

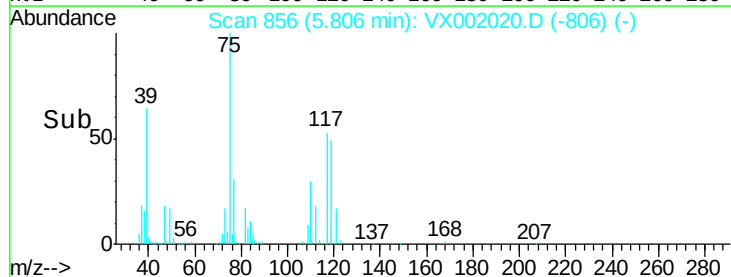
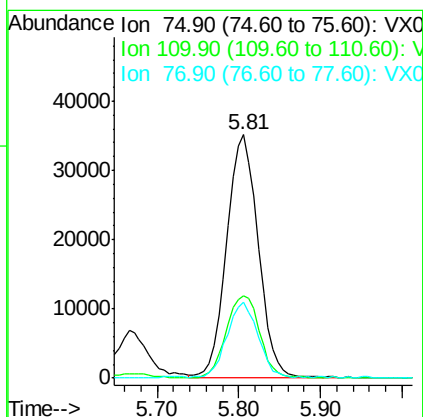
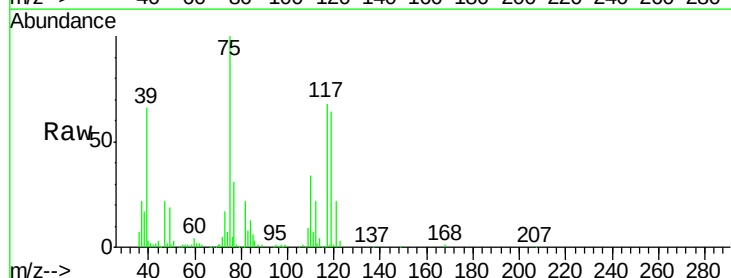
Instrument :
 MSVOA_X
 ClientSampleId :

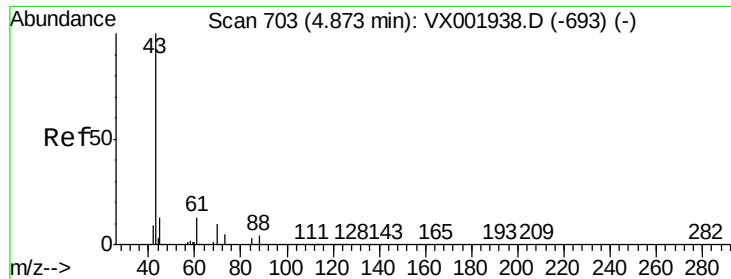
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.0	123.0
192	23.6	18.9	28.3



#36
 1,1-Dichloropropene
 Concen: 17.69 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VX002020.D
 Acq: 26 May 2018 15:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.4	52.2
77	30.3	24.4	36.6

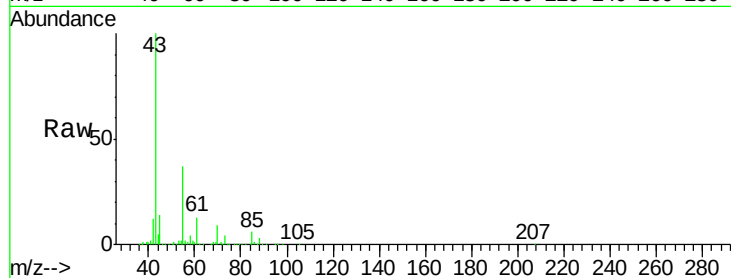




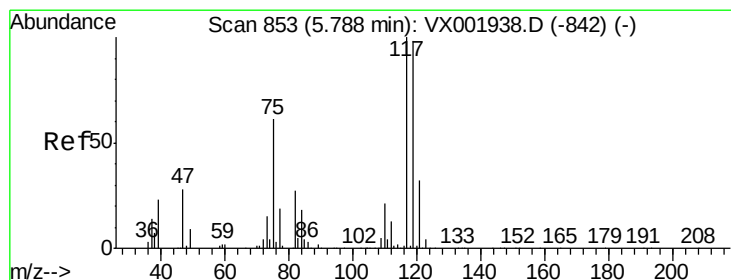
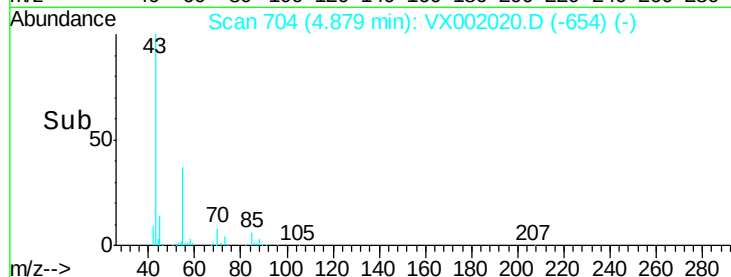
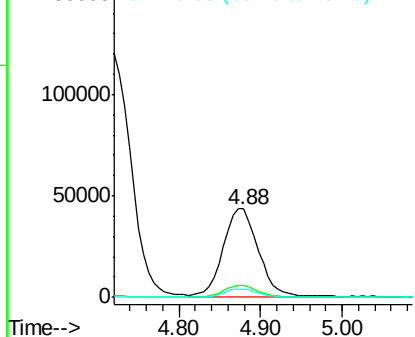
#37
Ethyl Acetate
Concen: 18.59 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX002020.D
Acq: 26 May 2018 15:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 127630
Ion Ratio Lower Upper
43 100
61 13.0 10.2 15.2
70 10.0 7.8 11.8

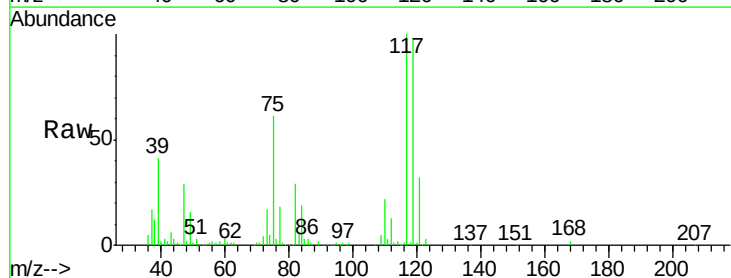


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

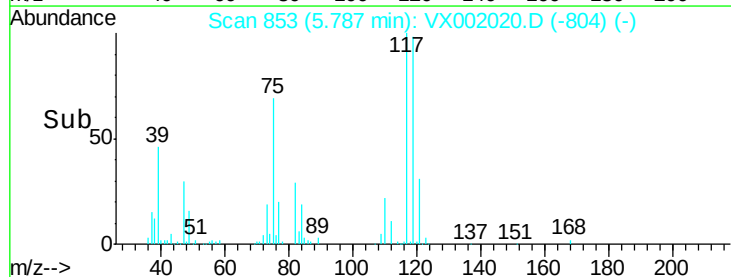
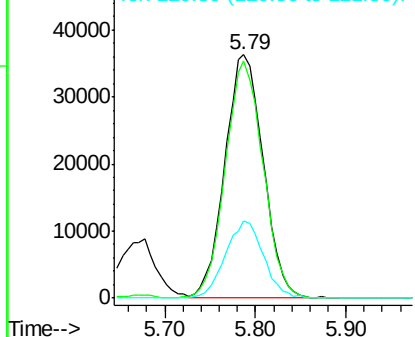


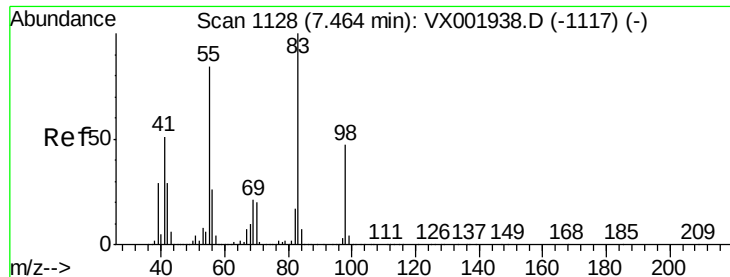
#38
Carbon Tetrachloride
Concen: 17.40 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002020.D
Acq: 26 May 2018 15:42

Tgt Ion: 117 Resp: 106803
Ion Ratio Lower Upper
117 100
119 97.4 78.5 117.7
121 31.5 25.5 38.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

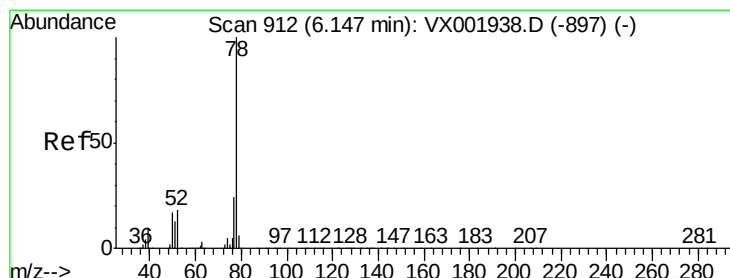
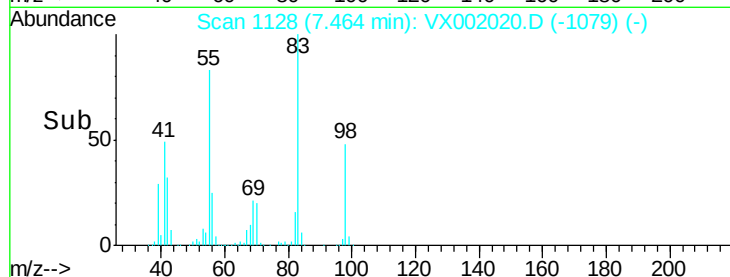
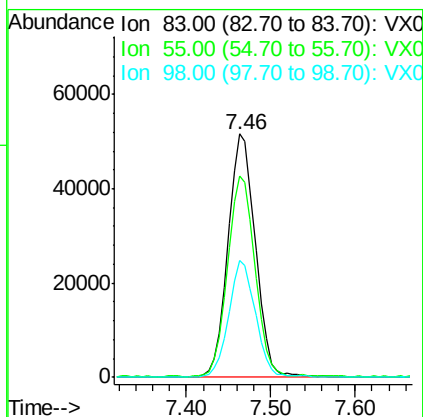
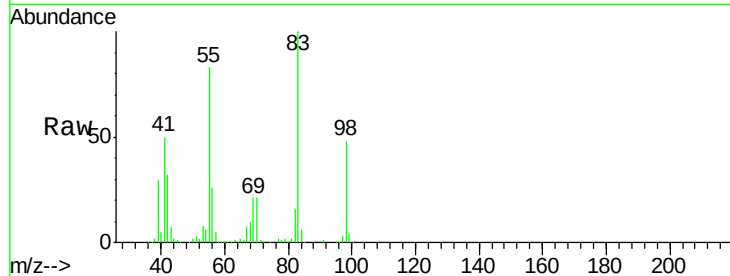




#39
Methylvlcyclohexane
Concen: 17.53 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002020.D
Acq: 26 May 2018 15:42

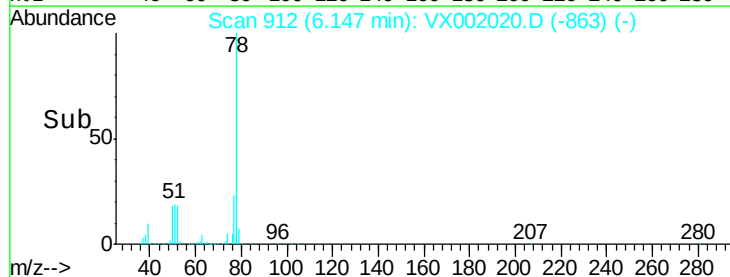
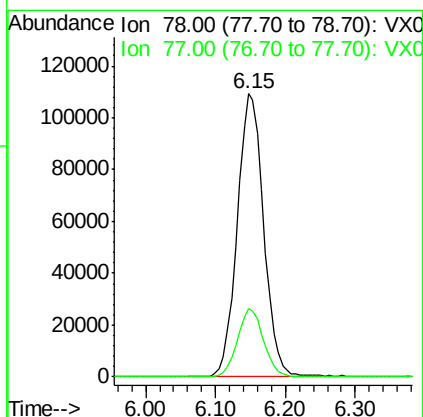
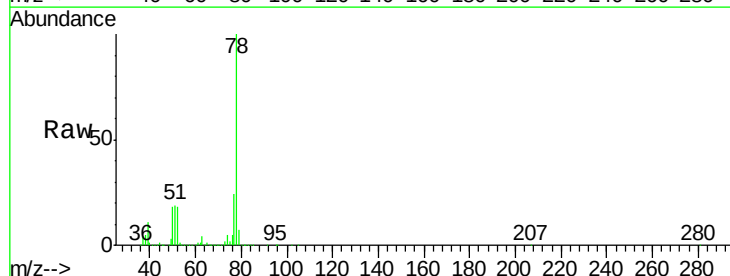
Instrument :
MSVOA_X
ClientSampleId :

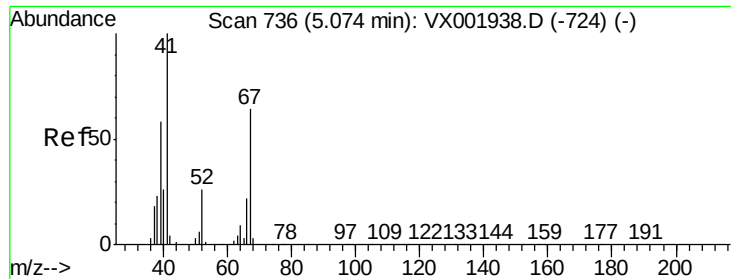
Tot Ion	83	Resp	113407
Ion	Ratio	Lower	Upper
83	100		
55	82.5	67.3	100.9
98	48.0	37.5	56.3



#40
Benzene
Concen: 18.60 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002020.D
Acq: 26 May 2018 15:42

Tgt Ion	78	Resp	286867
Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7

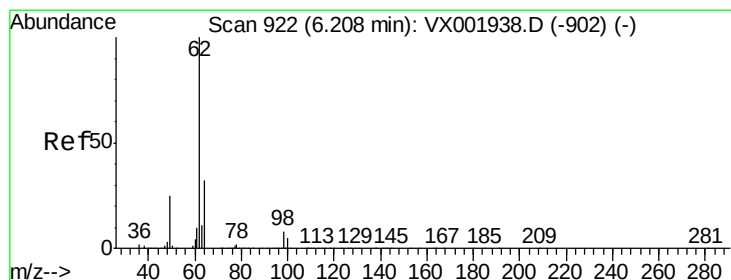
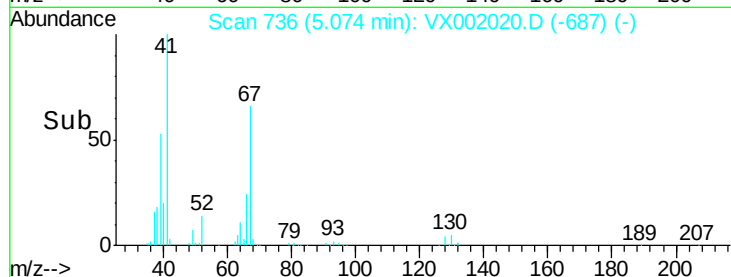
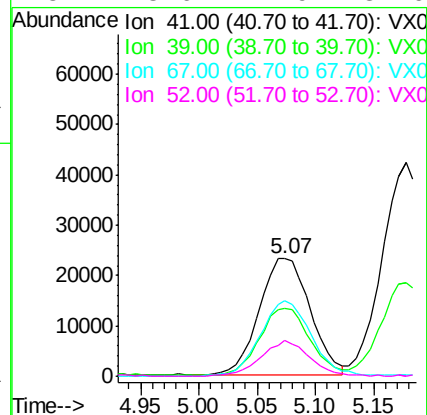
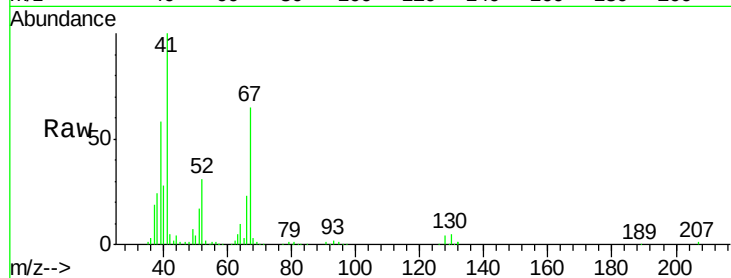




#41
Methacrylonitrile
Concen: 18.48 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX002020.D
Acq: 26 May 2018 15:42

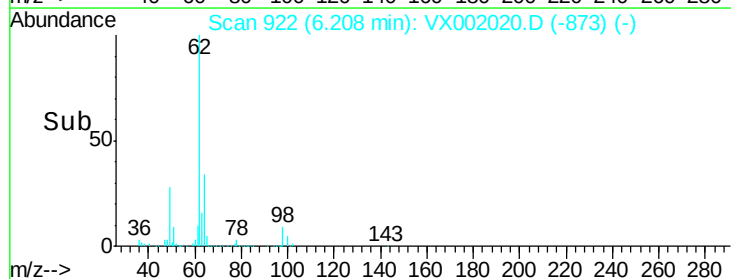
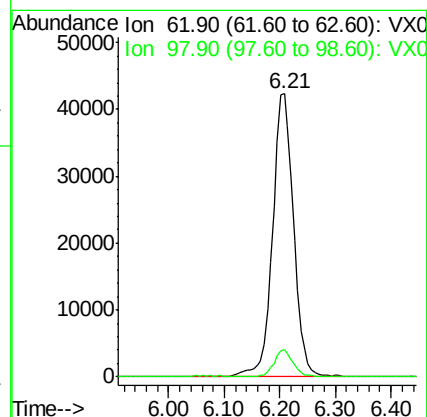
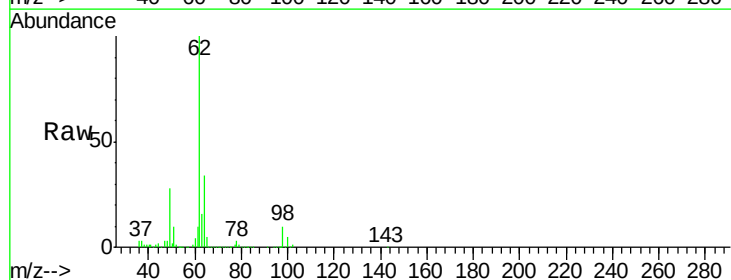
Instrument :
MSVOA_X
ClientSampled :

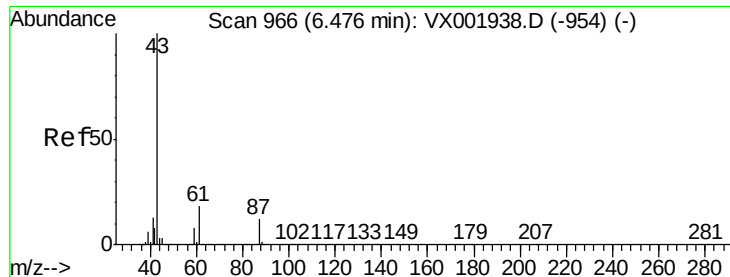
Tot Ion:	41	Resp:	70058
Ion	Ratio	Lower	Upper
41	100		
39	57.8	46.0	69.0
67	65.7	50.6	75.8
52	28.6	21.9	32.9



#42
1,2-Dichloroethane
Concen: 18.06 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX002020.D
Acq: 26 May 2018 15:42

Tgt Ion:	62	Resp:	111284
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.0





#43

Isopropyl Acetate

Concen: 18.77 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

ClientSampleId :

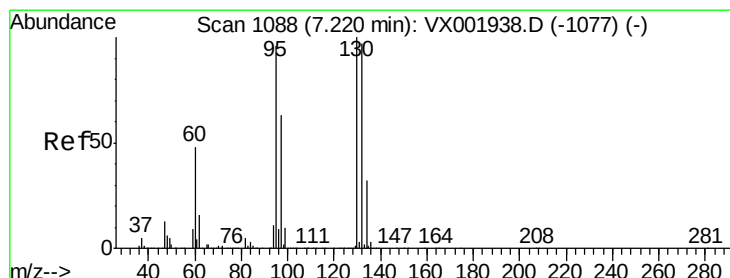
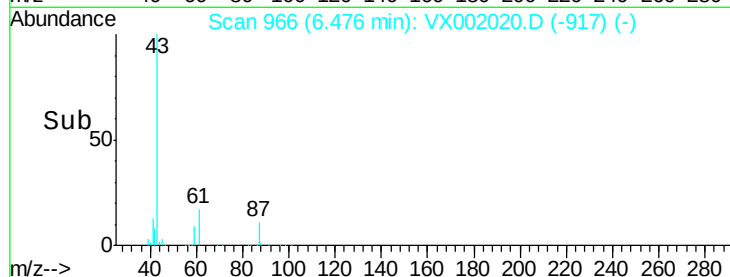
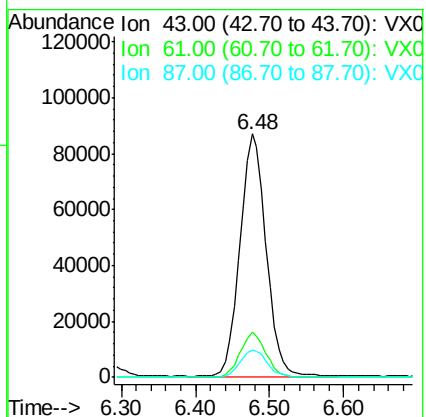
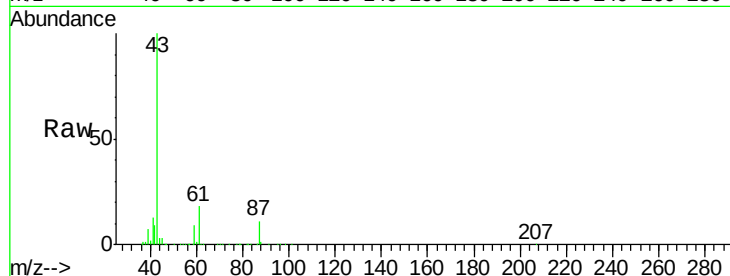
Tot Ion: 43 Resp: 214620

Ion Ratio Lower Upper

43 100

61 18.2 14.5 21.7

87 11.8 9.5 14.3



#44

Trichloroethene

Concen: 18.09 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX002020.D

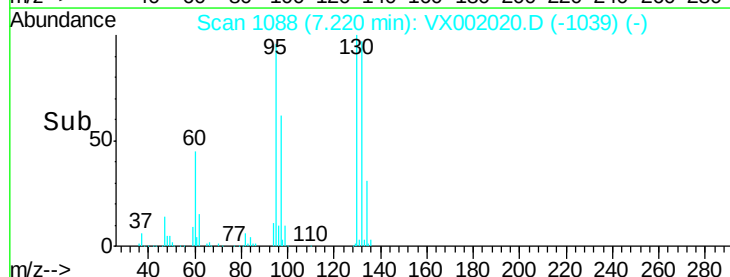
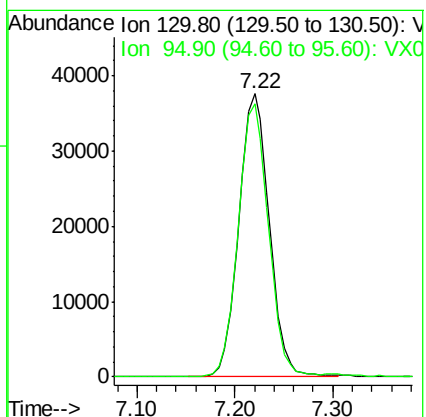
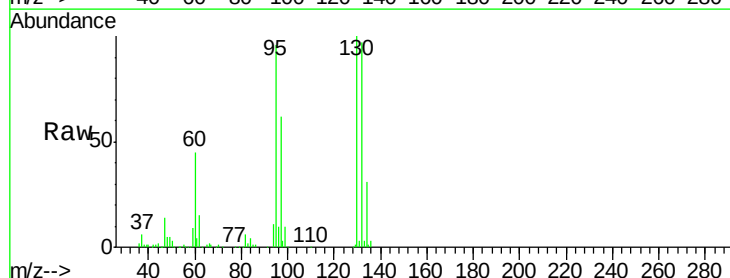
Acq: 26 May 2018 15:42

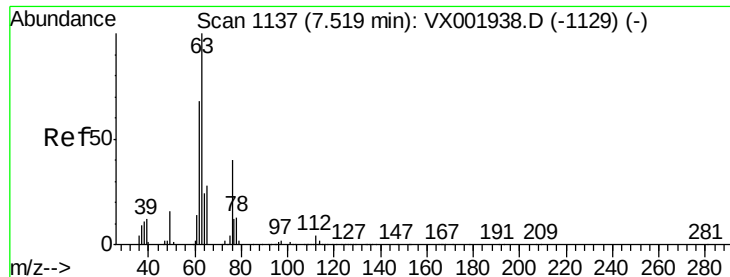
Tgt Ion:130 Resp: 81317

Ion Ratio Lower Upper

130 100

95 96.5 0.0 192.0





#45

1,2-Dichloropropane

Concen: 18.58 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

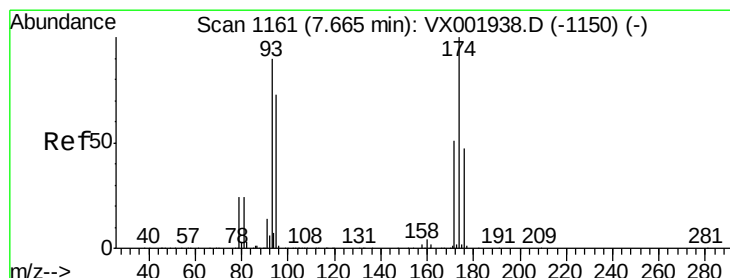
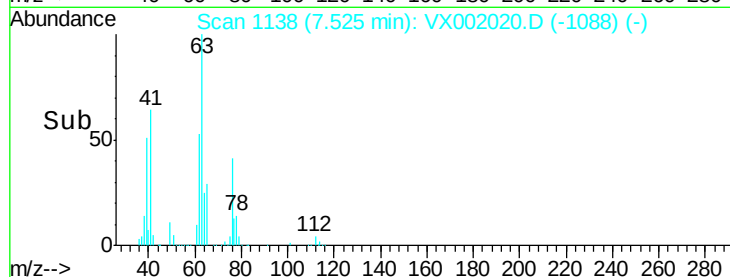
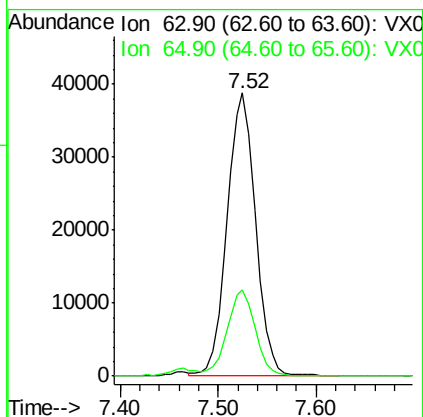
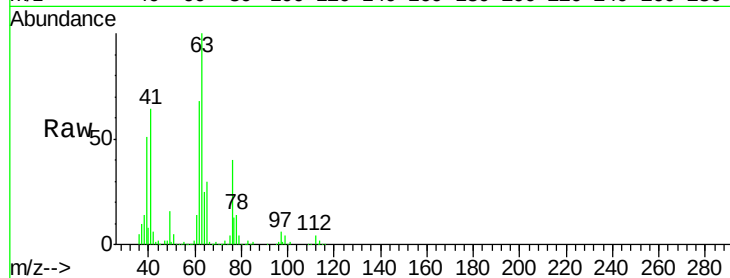
ClientSampleId :

Tot Ion: 63 Resp: 77821

Ion Ratio Lower Upper

63 100

65 30.4 24.1 36.1



#46

Dibromomethane

Concen: 18.78 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

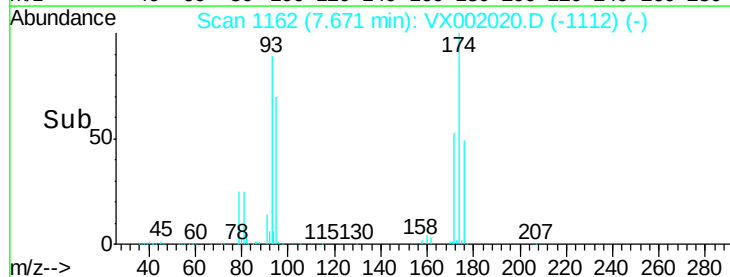
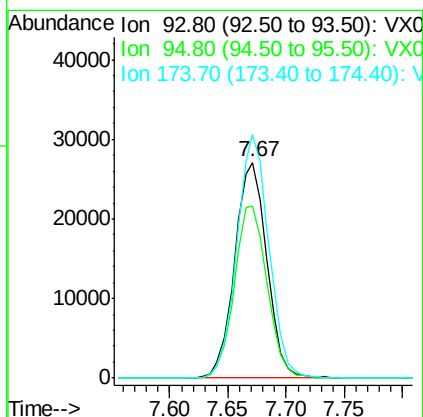
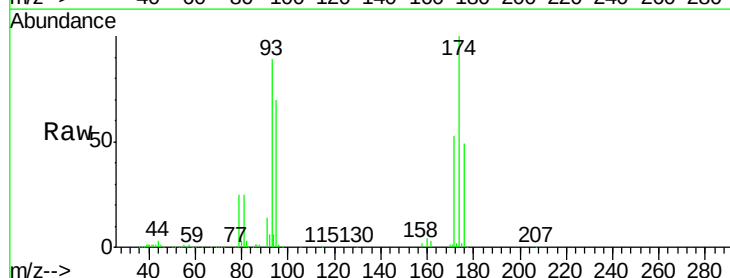
Tgt Ion: 93 Resp: 52086

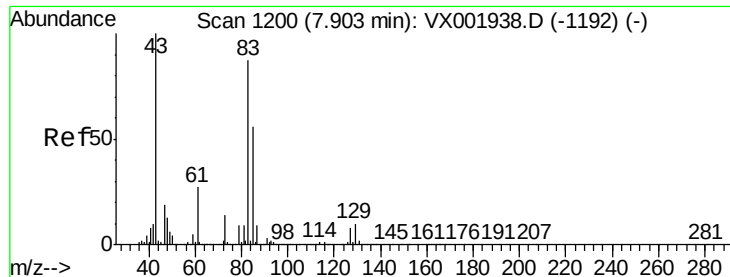
Ion Ratio Lower Upper

93 100

95 81.8 66.1 99.1

174 112.3 92.5 138.7





#47

Bromodichloromethane

Concen: 17.26 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :
MSVOA_X
ClientSampled :

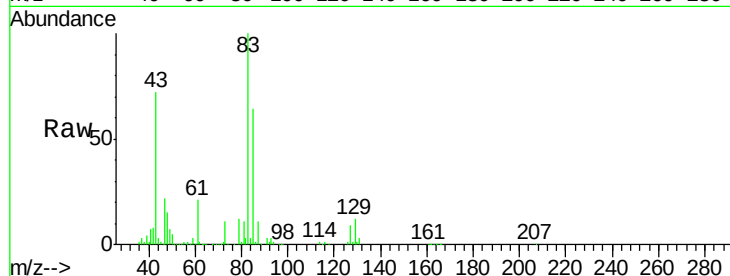
Tot Ion: 83 Resp: 102039

Ion Ratio Lower Upper

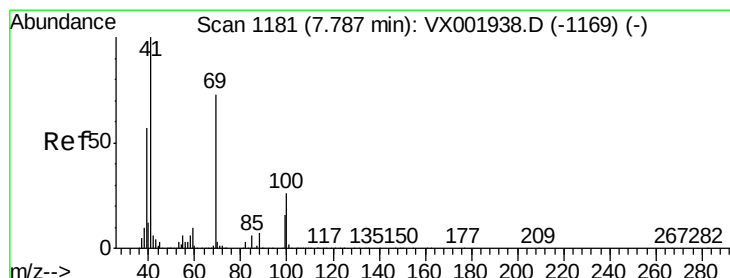
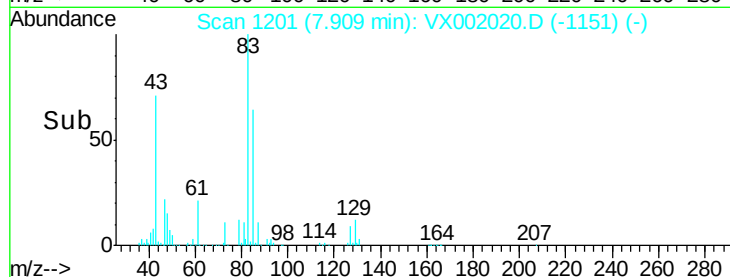
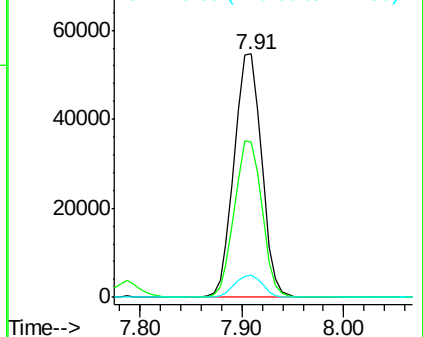
83 100

85 64.0 51.4 77.2

127 9.3 7.1 10.7



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



#48

Methyl methacrylate

Concen: 18.27 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

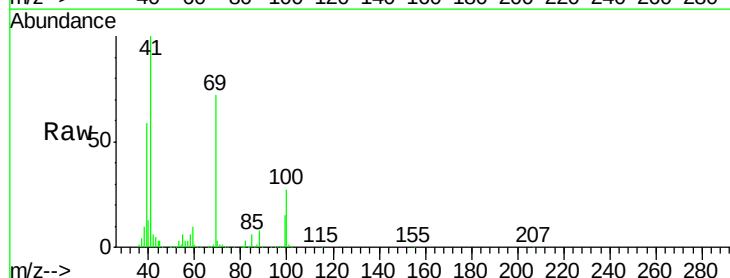
Tgt Ion: 41 Resp: 106321

Ion Ratio Lower Upper

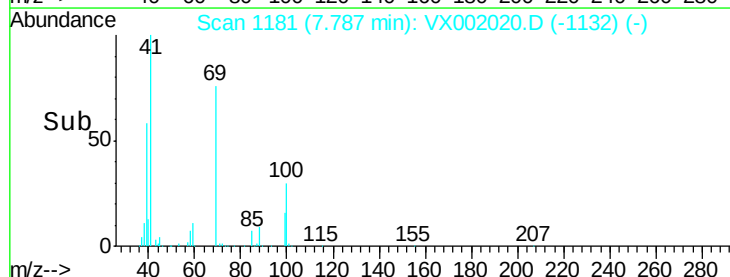
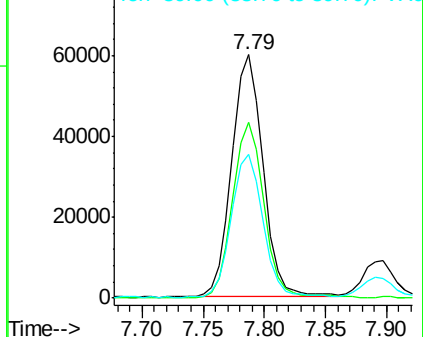
41 100

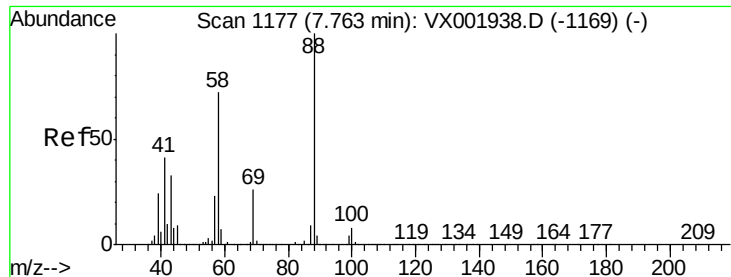
69 72.3 58.6 87.8

39 59.8 46.3 69.5



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





#49

1,4-Dioxane

Concen: 392.60 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

ClientSampleId :

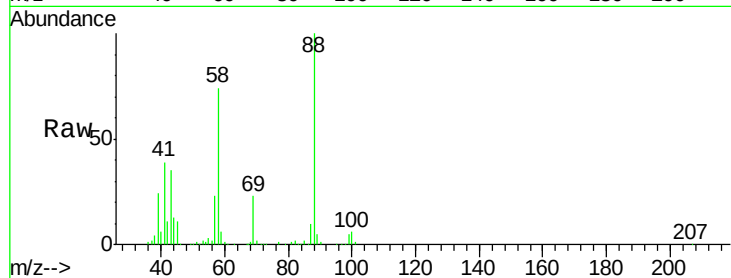
Tot Ion: 88 Resp: 40269

Ion Ratio Lower Upper

88 100

43 38.7 29.8 44.8

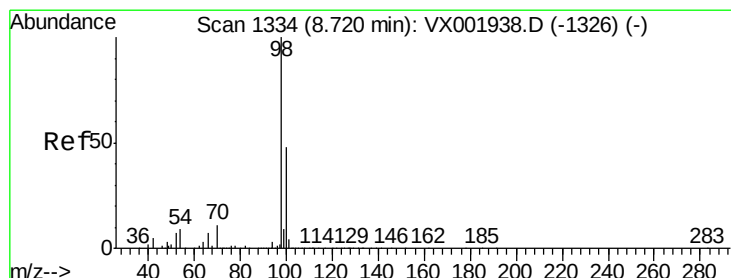
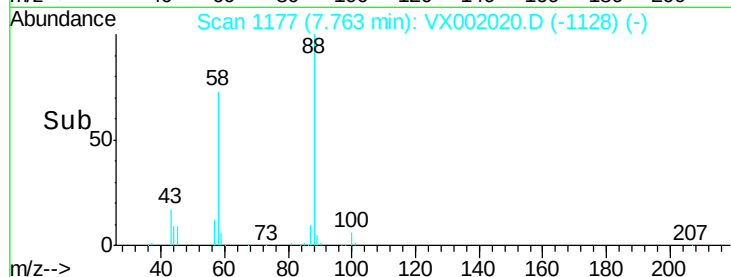
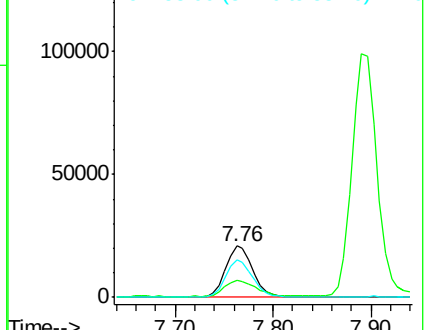
58 72.2 58.7 88.1



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 45.90 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002020.D

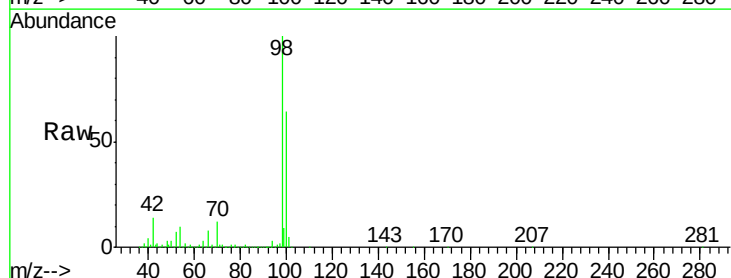
Acq: 26 May 2018 15:42

Tgt Ion: 98 Resp: 629017

Ion Ratio Lower Upper

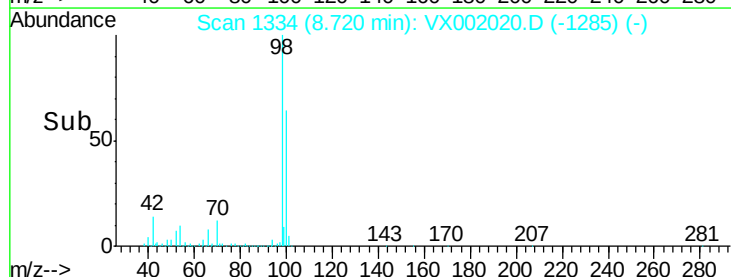
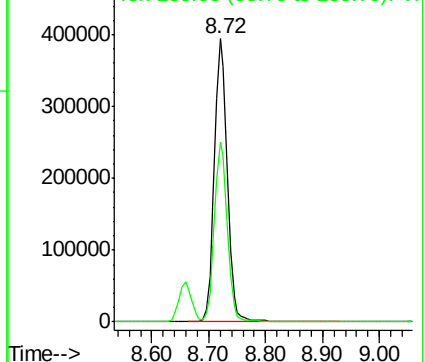
98 100

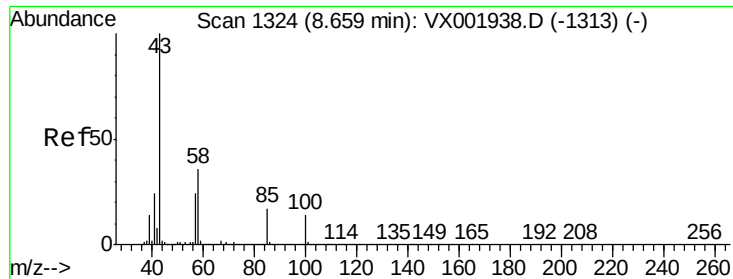
100 63.9 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 97.94 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

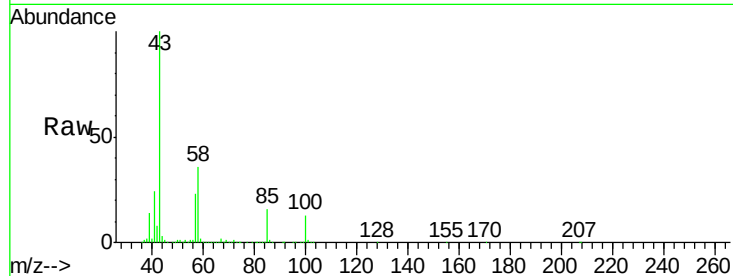
ClientSampleId :

Tot Ion: 43 Resp: 675186

Ion Ratio Lower Upper

43 100

58 34.9 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

400000

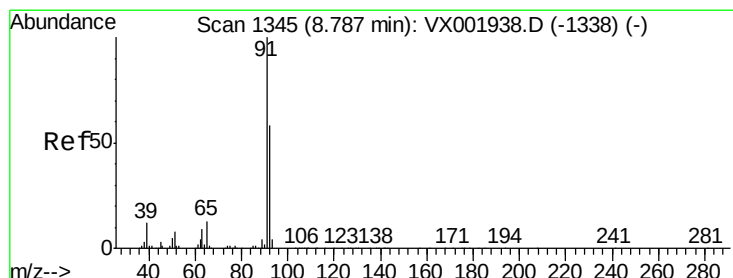
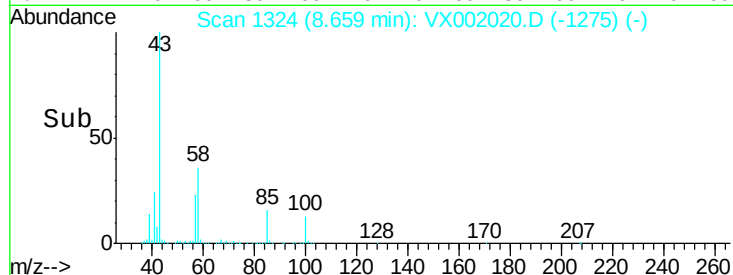
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 18.29 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002020.D

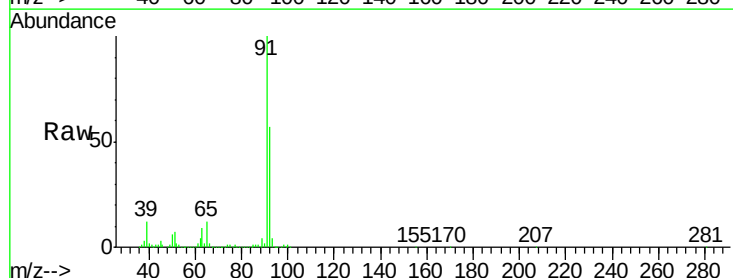
Acq: 26 May 2018 15:42

Tgt Ion: 92 Resp: 179539

Ion Ratio Lower Upper

92 100

91 176.3 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

200000

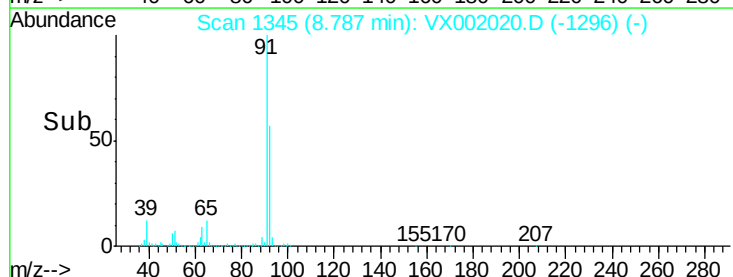
150000

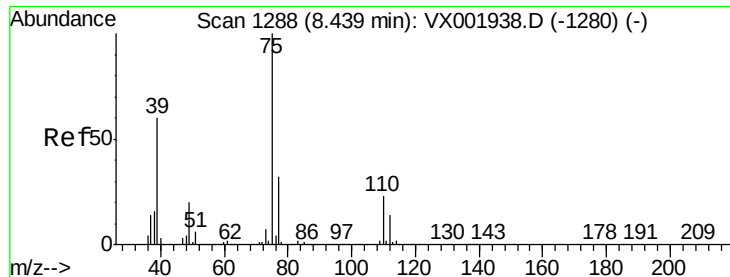
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.97 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

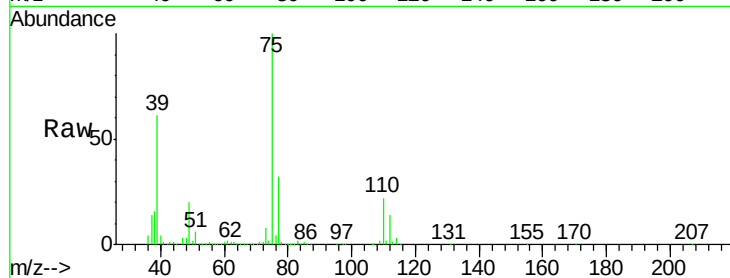
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 122355

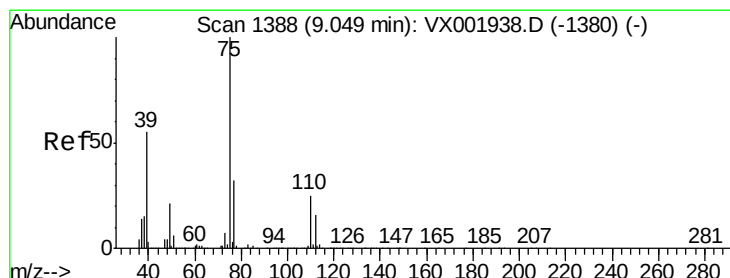
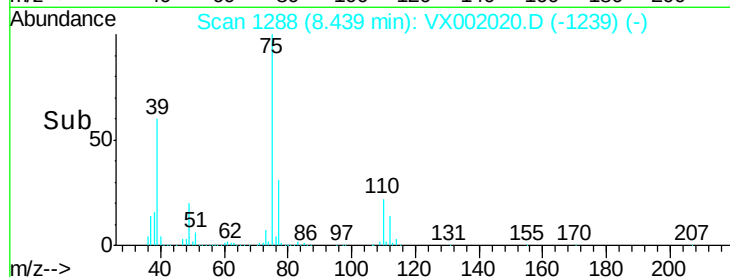
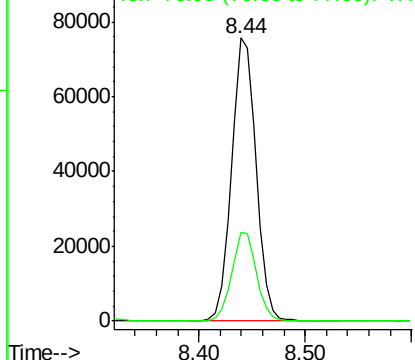
Ion Ratio Lower Upper

75 100

77 31.4 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: 17.74 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

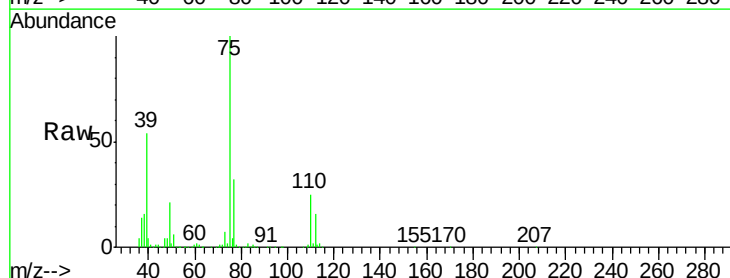
Tgt Ion: 75 Resp: 117720

Ion Ratio Lower Upper

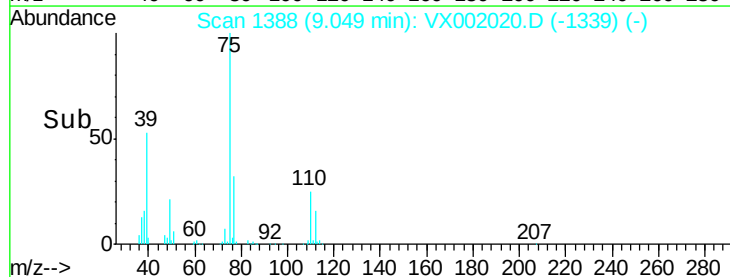
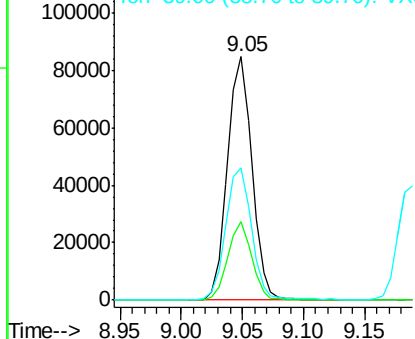
75 100

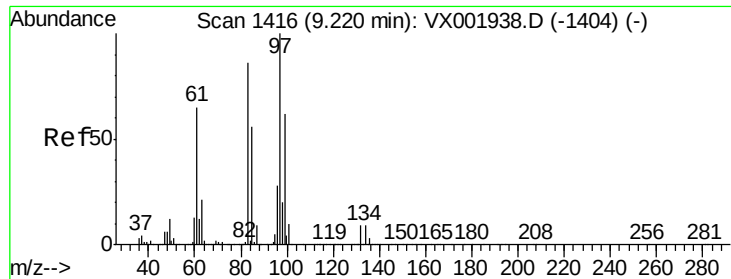
77 31.9 25.4 38.0

39 53.8 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

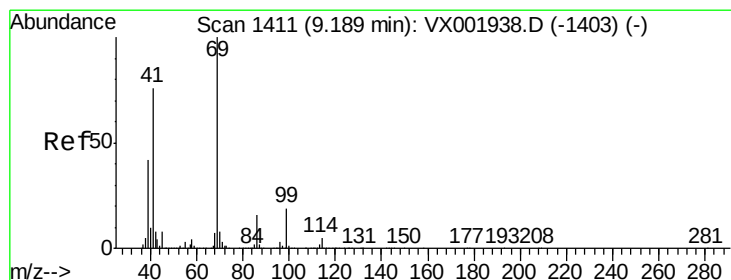
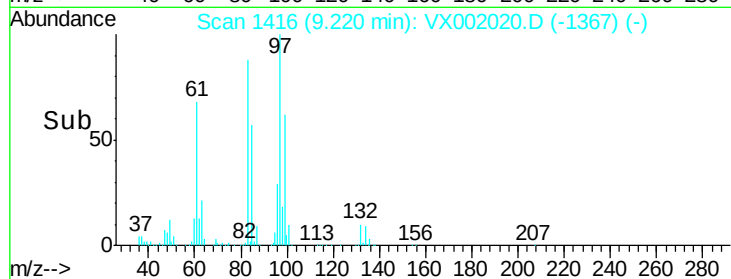
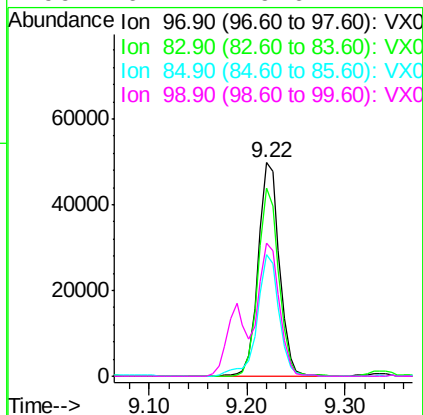
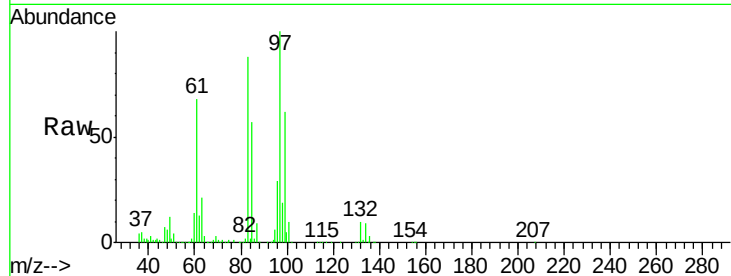




#55
 1,1,2-Trichloroethane
 Concen: 18.33 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002020.D
 Acq: 26 May 2018 15:42

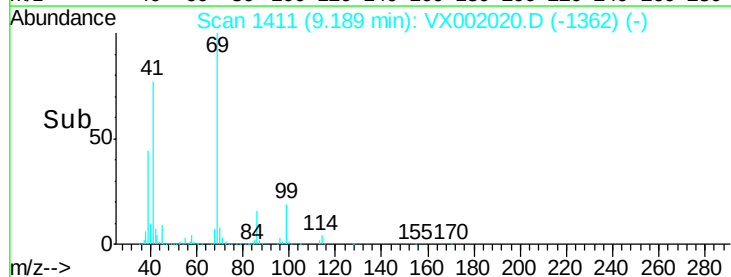
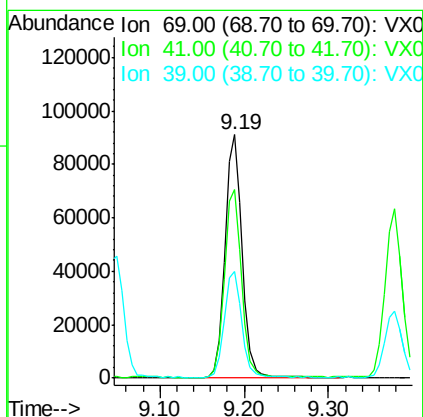
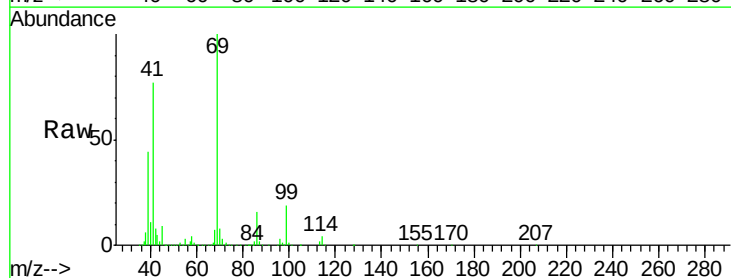
Instrument :
 MSVOA_X
 ClientSampleId :

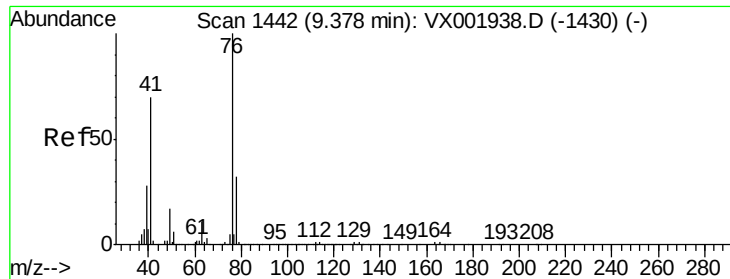
Tot Ion:	97	Resp:	75158
Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.1	103.7
85	56.5	45.2	67.8
99	62.2	49.6	74.4



#56
 Ethyl methacrylate
 Concen: 18.14 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX002020.D
 Acq: 26 May 2018 15:42

Tgt Ion:	69	Resp:	127920
Ion	Ratio	Lower	Upper
69	100		
41	77.5	61.0	91.6
39	43.9	34.4	51.6

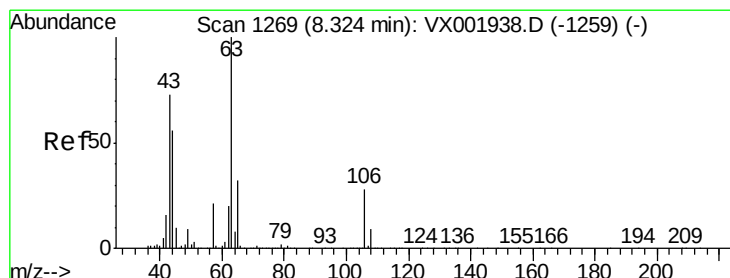
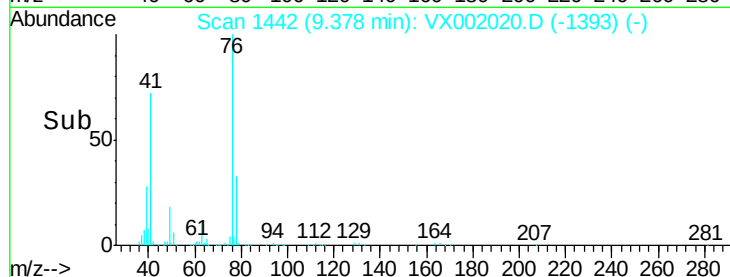
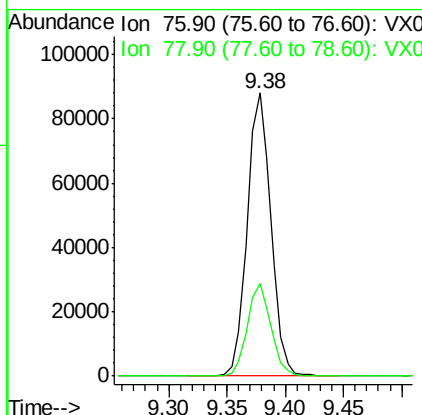
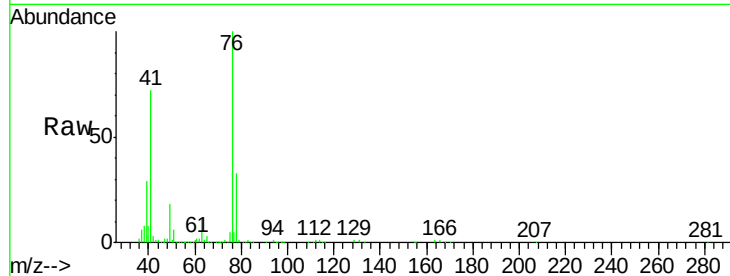




#57
 1,3-Dichloropropane
 Concen: 18.63 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX002020.D
 Acq: 26 May 2018 15:42

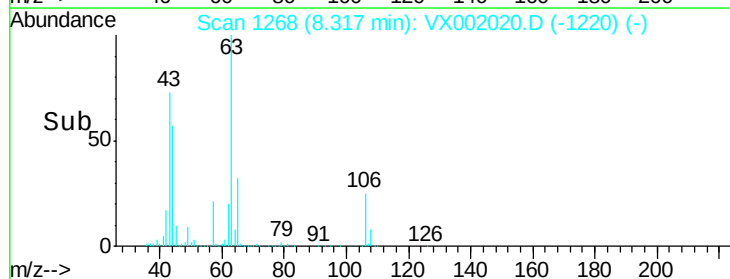
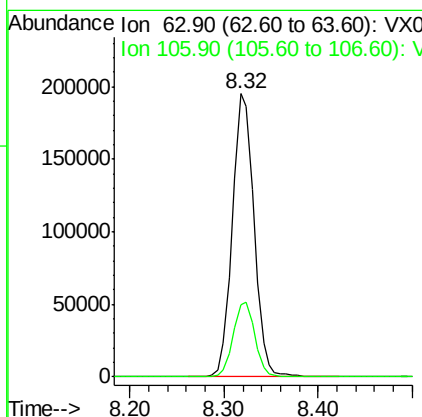
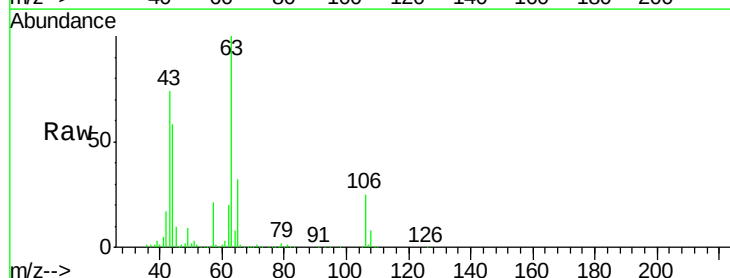
Instrument :
 MSVOA_X
 ClientSampleId :

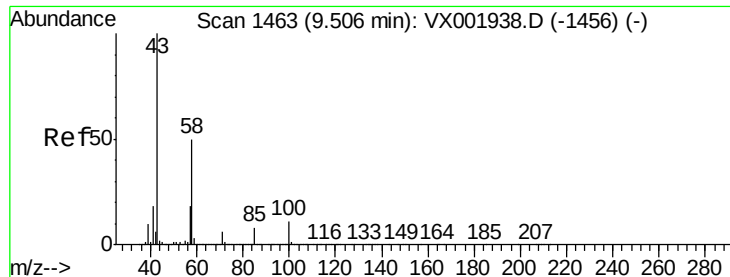
Tot Ion: 76 Resp: 125880
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.65 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX002020.D
 Acq: 26 May 2018 15:42

Tgt Ion: 63 Resp: 311519
 Ion Ratio Lower Upper
 63 100
 106 26.4 21.7 32.5

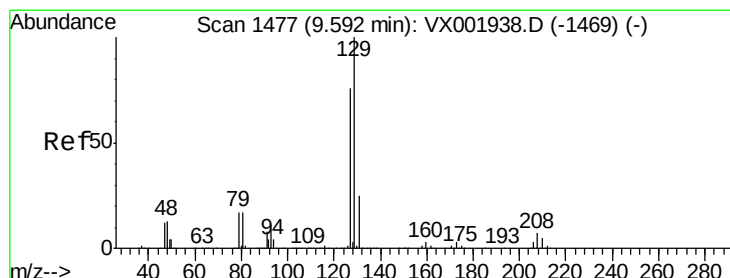
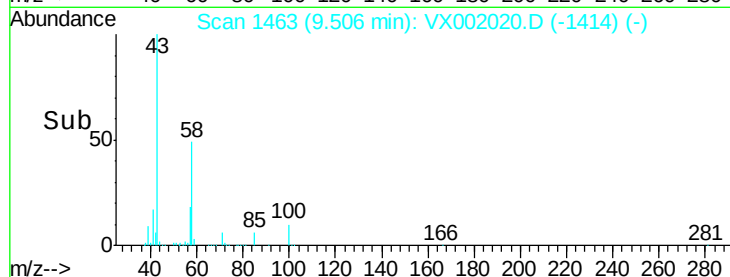
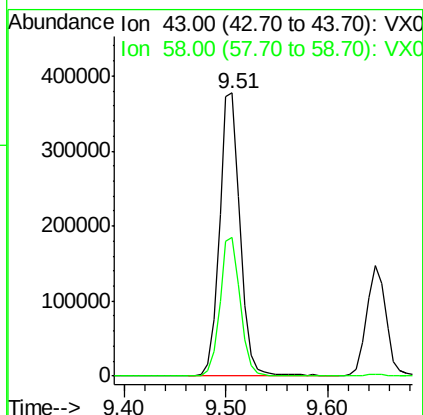
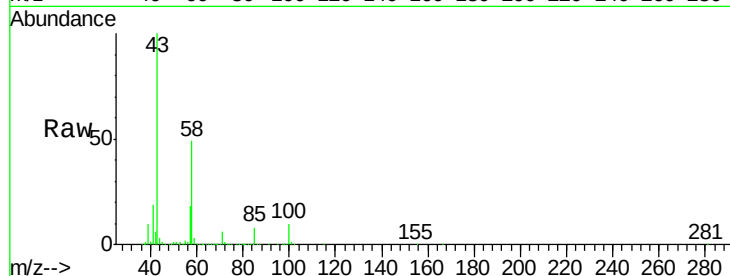




#59
2-Hexanone
Concen: 99.94 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX002020.D
Acq: 26 May 2018 15:42

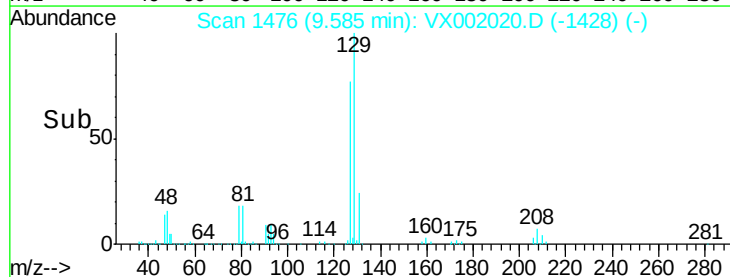
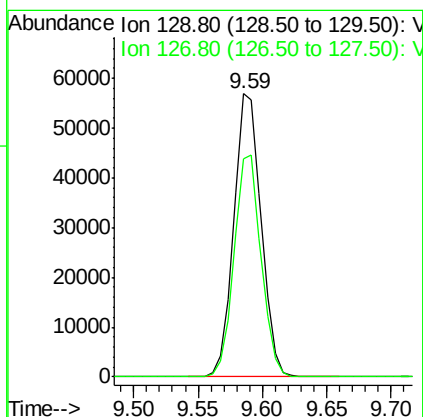
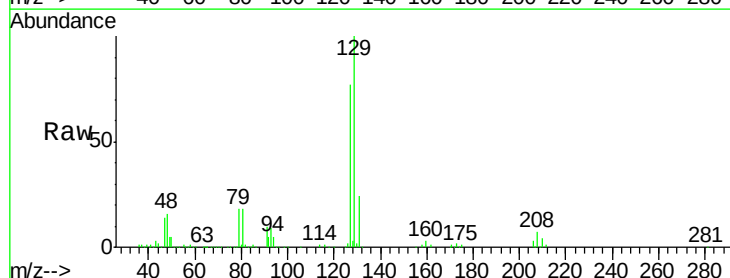
Instrument :
MSVOA_X
ClientSampleId :

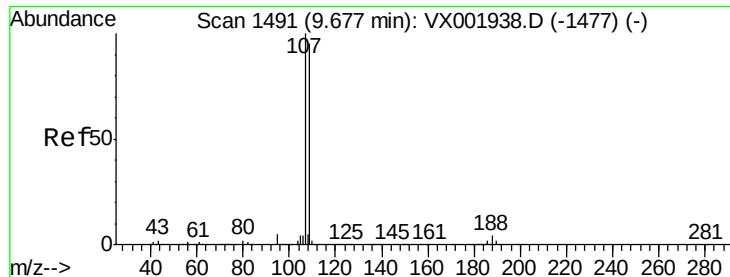
Tot Ion: 43 Resp: 531242
Ion Ratio Lower Upper
43 100
58 48.7 24.9 74.6



#60
Dibromochloromethane
Concen: 17.30 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002020.D
Acq: 26 May 2018 15:42

Tgt Ion: 129 Resp: 84021
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.9





#61

1,2-Dibromoethane

Concen: 18.43 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

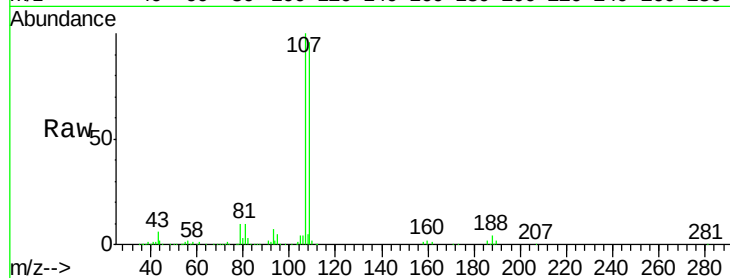
ClientSampleId :

Tot Ion:107 Resp: 79287

Ion Ratio Lower Upper

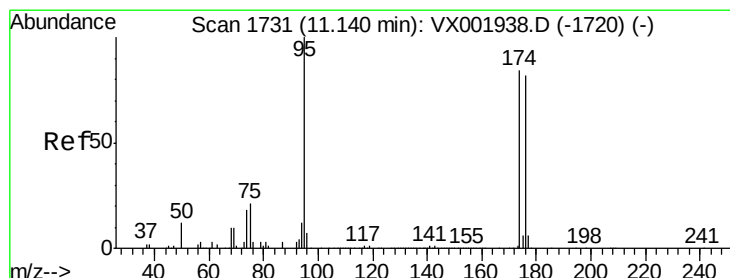
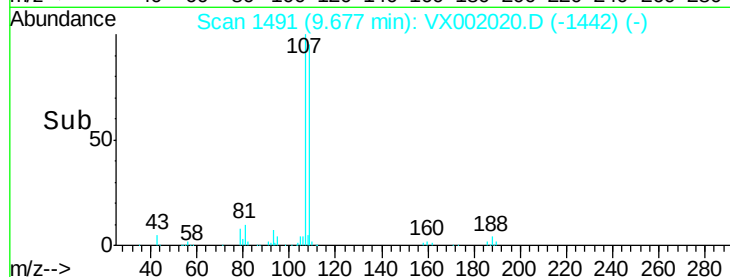
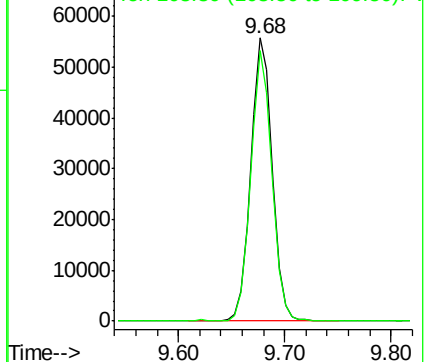
107 100

109 93.8 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.16 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

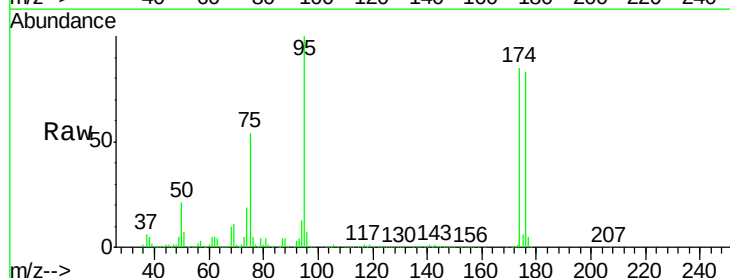
Tgt Ion: 95 Resp: 236751

Ion Ratio Lower Upper

95 100

174 91.2 0.0 178.8

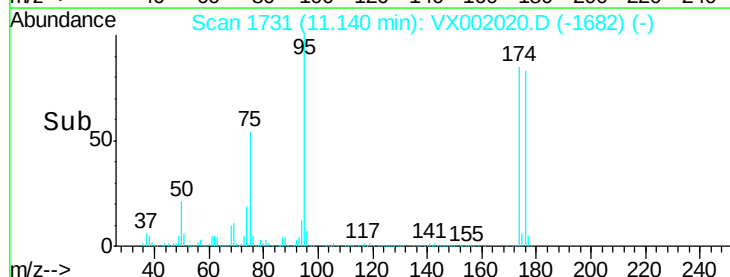
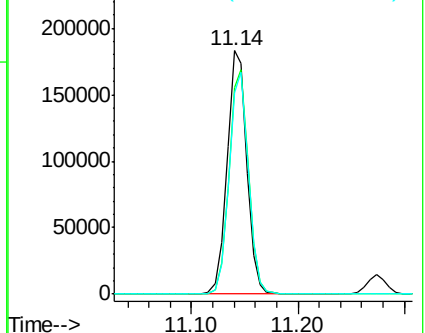
176 89.9 0.0 175.6

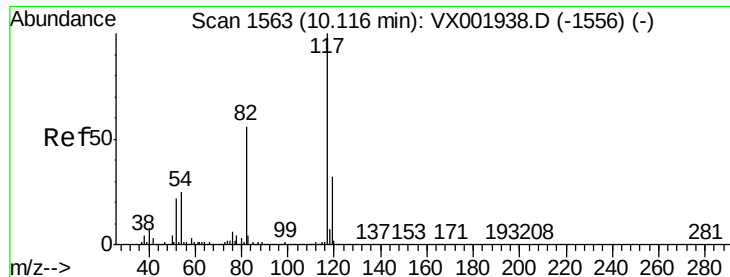


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

ClientSampled :

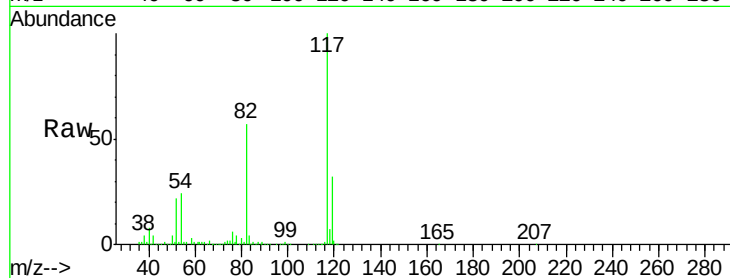
Tot Ion:117 Resp: 339955

Ion Ratio Lower Upper

117 100

82 56.5 44.8 67.2

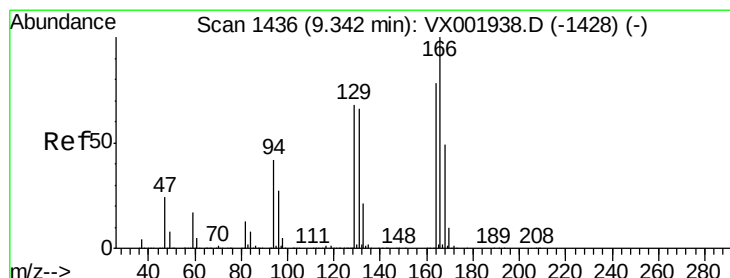
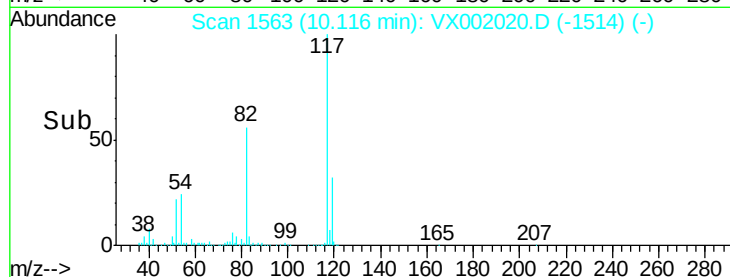
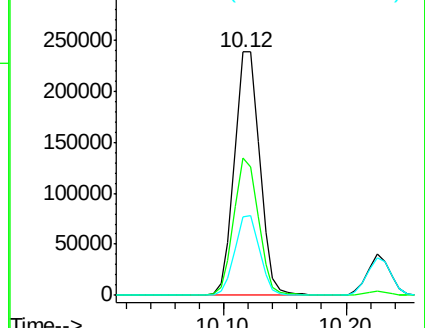
119 32.4 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 18.60 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Tgt Ion:164 Resp: 90655

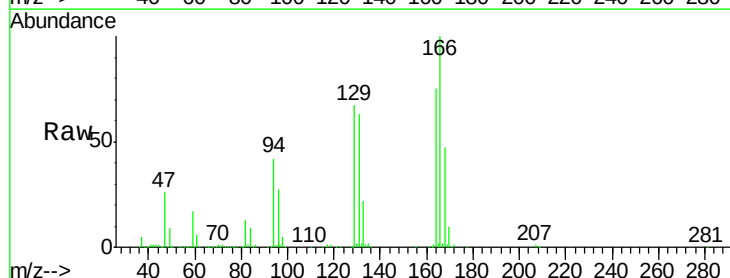
Ion Ratio Lower Upper

164 100

166 133.5 102.7 154.1

129 89.0 70.3 105.5

131 84.6 68.2 102.4

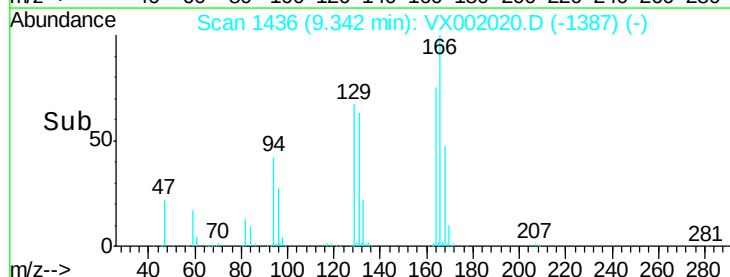
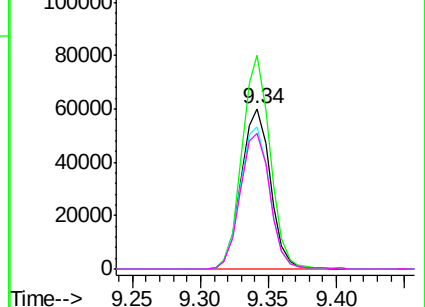


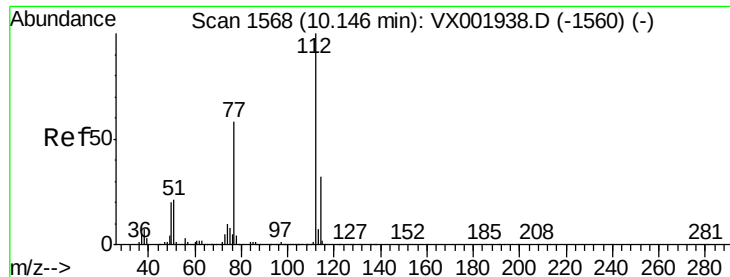
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

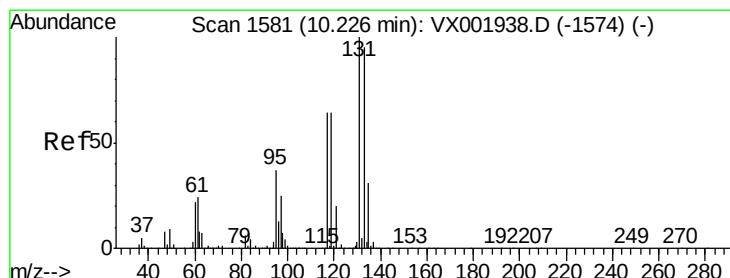
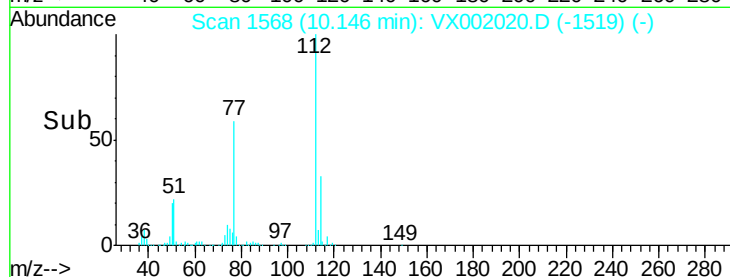
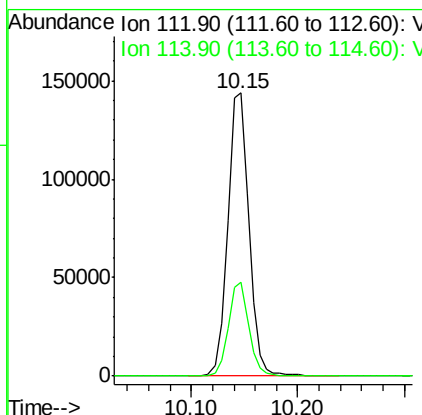
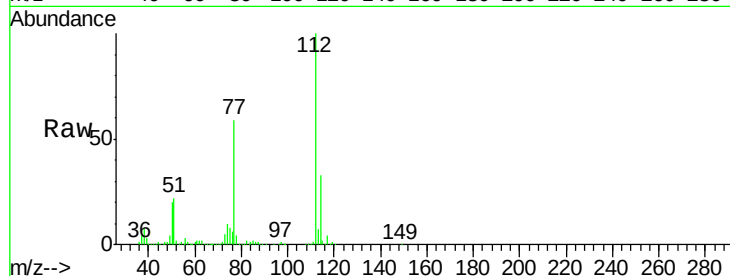




#65
Chlorobenzene
Concen: 18.65 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX002020.D
Acq: 26 May 2018 15:42

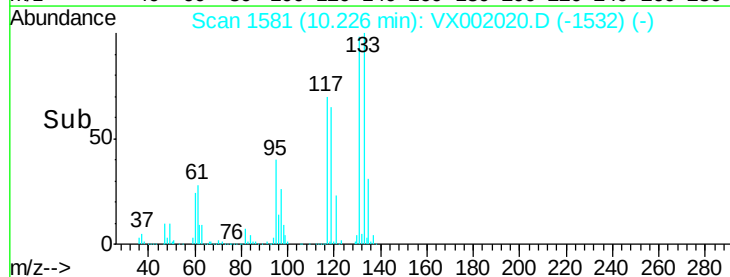
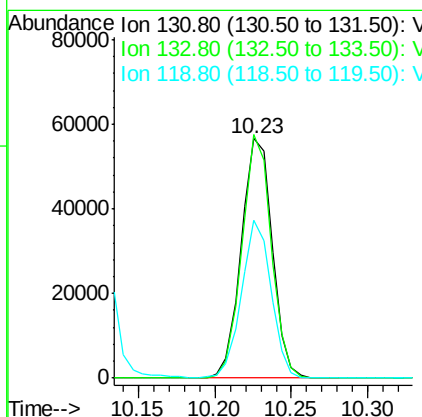
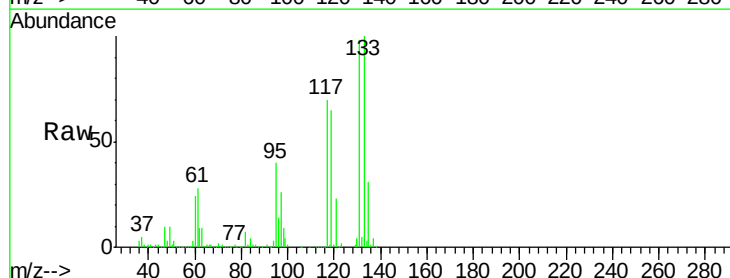
Instrument :
MSVOA_X
ClientSampleId :

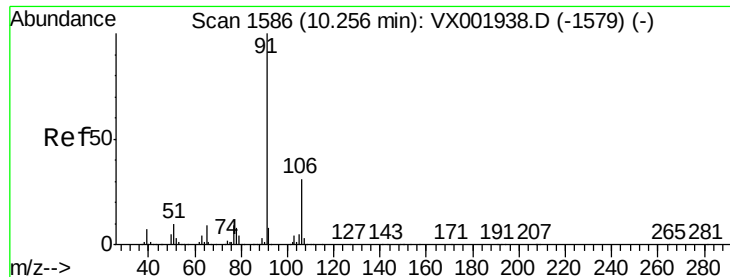
Tot Ion:112 Resp: 200856
Ion Ratio Lower Upper
112 100
114 33.2 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 18.29 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002020.D
Acq: 26 May 2018 15:42

Tgt Ion:131 Resp: 79568
Ion Ratio Lower Upper
131 100
133 96.2 48.0 144.0
119 63.4 31.9 95.5





#67

Ethyl Benzene

Concen: 18.83 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

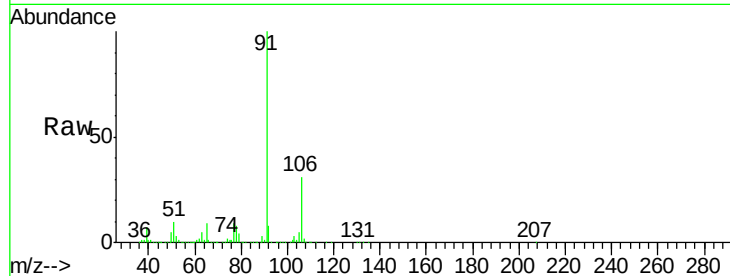
ClientSampleId :

Tot Ion: 91 Resp: 352462

Ion Ratio Lower Upper

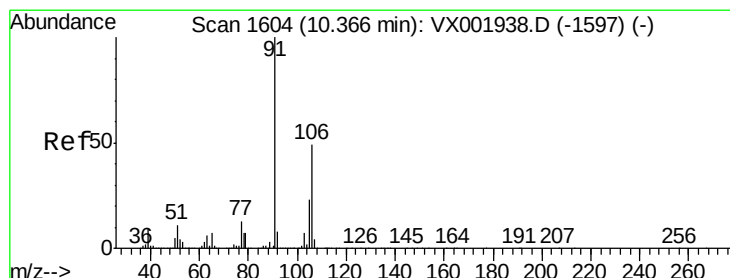
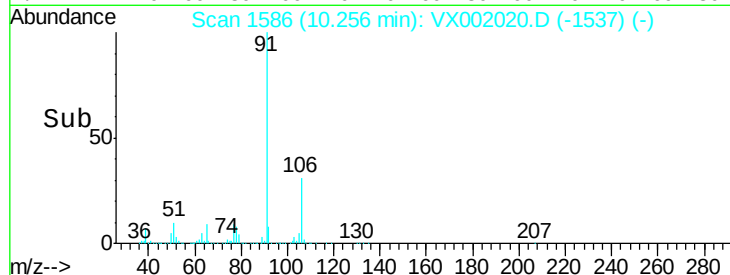
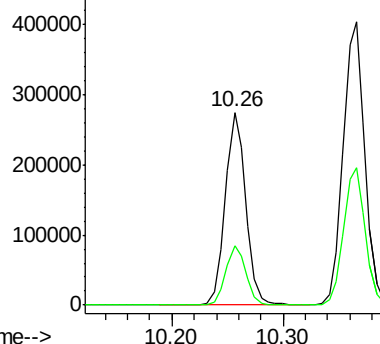
91 100

106 31.0 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 37.33 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX002020.D

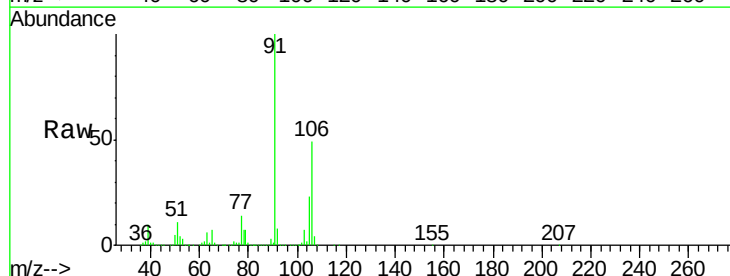
Acq: 26 May 2018 15:42

Tgt Ion:106 Resp: 267019

Ion Ratio Lower Upper

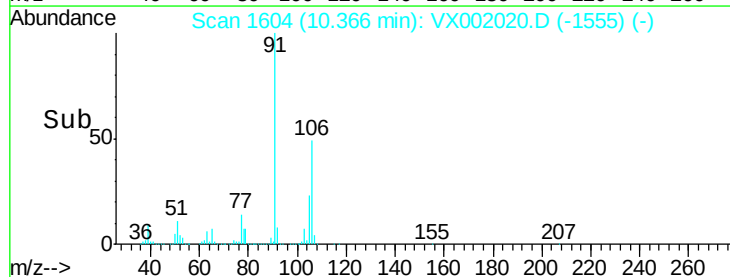
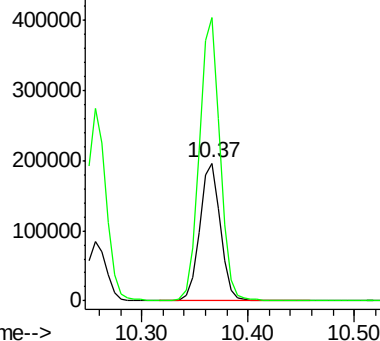
106 100

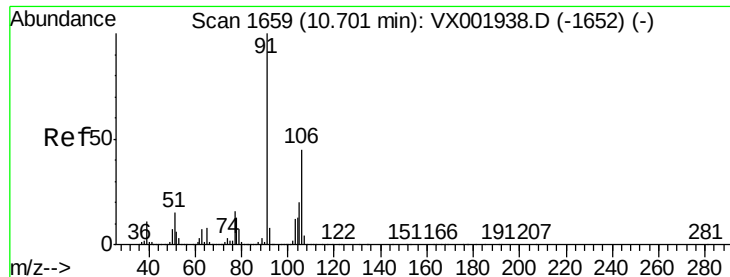
91 205.0 165.0 247.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

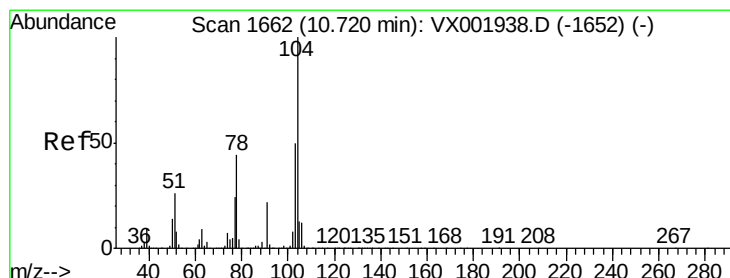
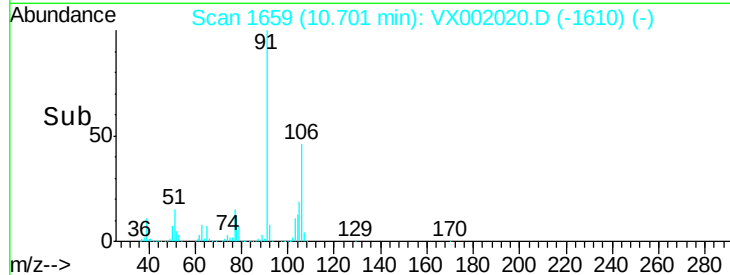
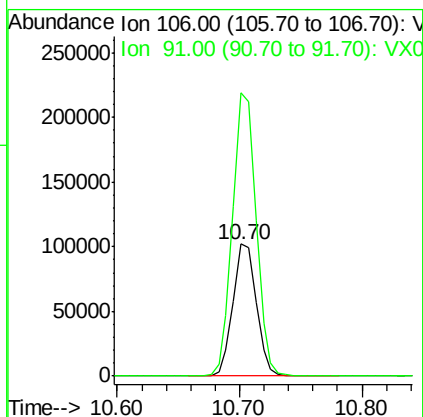
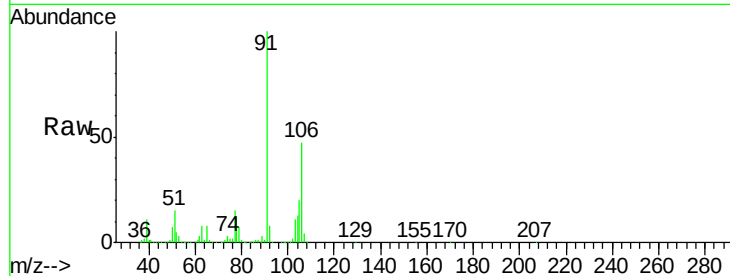




#69
o-Xylene
Concen: 18.90 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002020.D
Acq: 26 May 2018 15:42

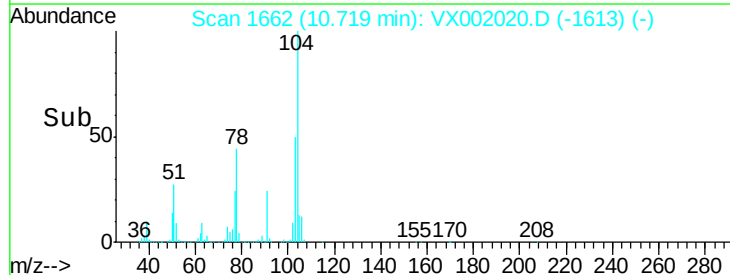
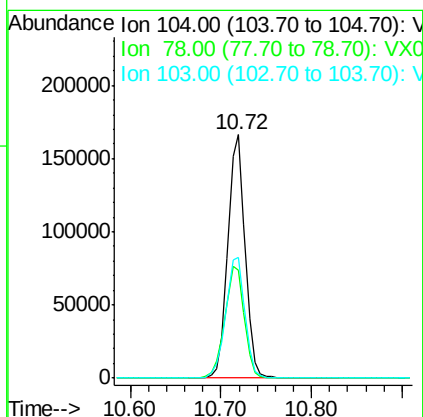
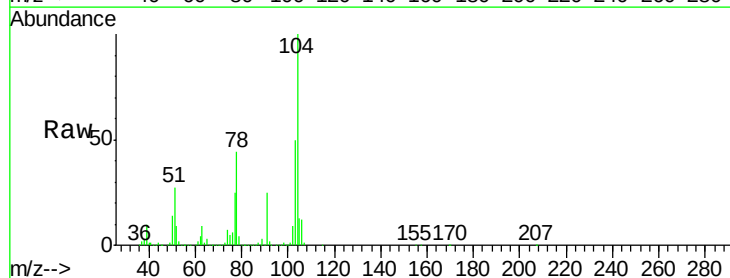
Instrument :
MSVOA_X
ClientSampled :

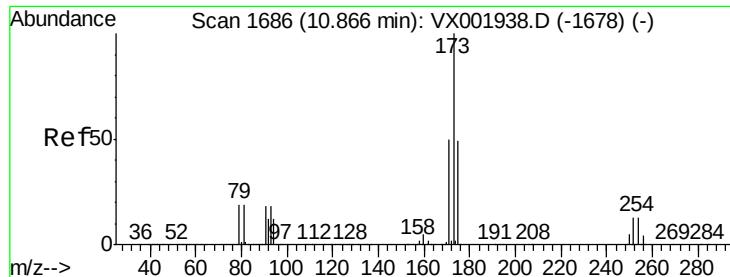
Tot Ion:106 Resp: 135016
Ion Ratio Lower Upper
106 100
91 216.4 108.7 325.9



#70
Styrene
Concen: 18.56 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX002020.D
Acq: 26 May 2018 15:42

Tgt Ion:104 Resp: 219877
Ion Ratio Lower Upper
104 100
78 52.2 41.8 62.6
103 55.6 44.6 67.0





#71

Bromoform

Concen: 16.83 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

ClientSampleId :

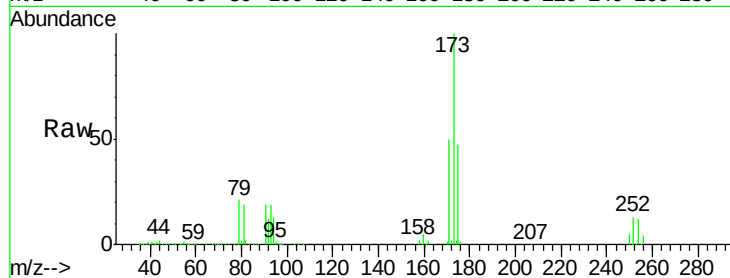
Tot Ion:173 Resp: 69426

Ion Ratio Lower Upper

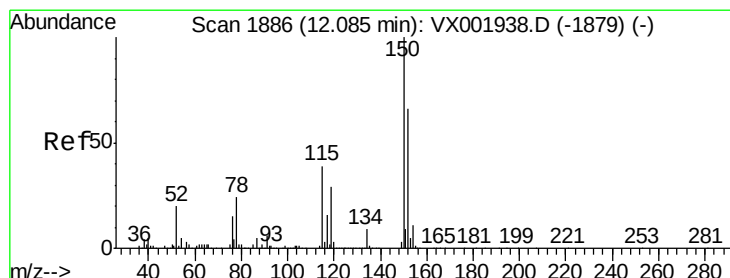
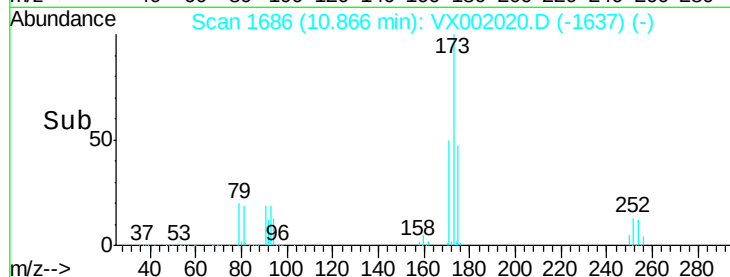
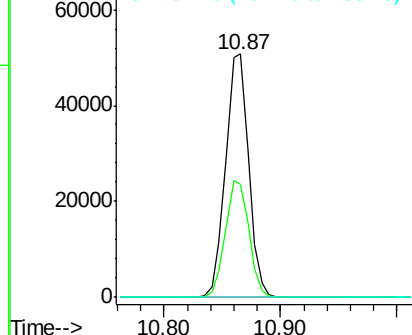
173 100

175 49.0 24.3 72.9

254 0.1 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: VX002020.D

Acq: 26 May 2018 15:42

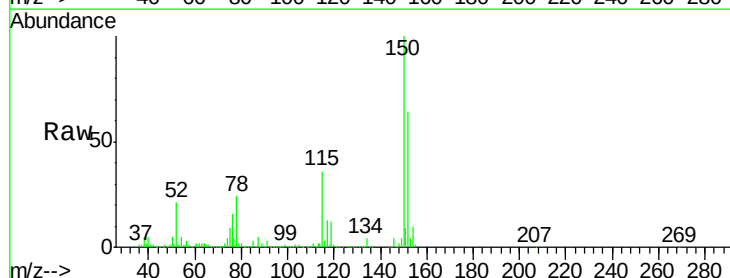
Tgt Ion:152 Resp: 221843

Ion Ratio Lower Upper

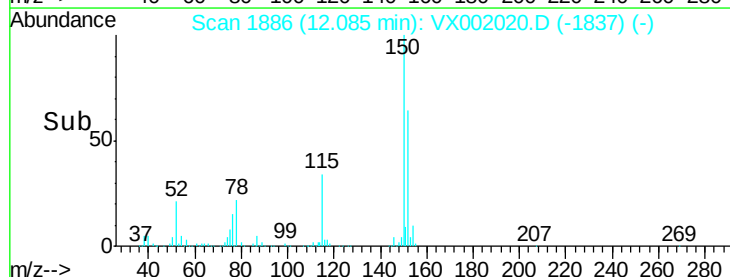
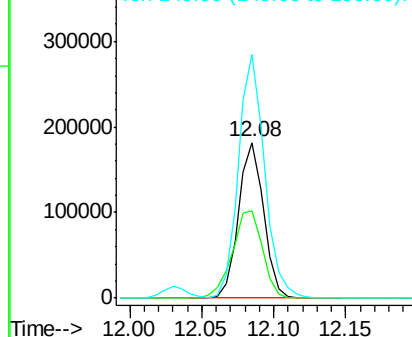
152 100

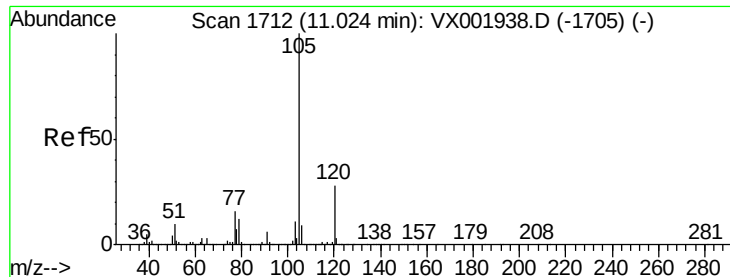
115 67.0 42.3 126.8

150 163.4 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: 19.27 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

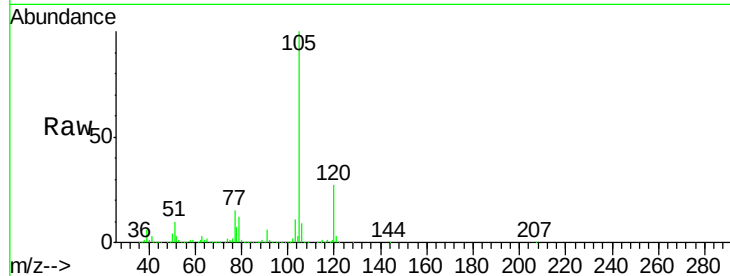
ClientSampleId :

Tot Ion:105 Resp: 361990

Ion Ratio Lower Upper

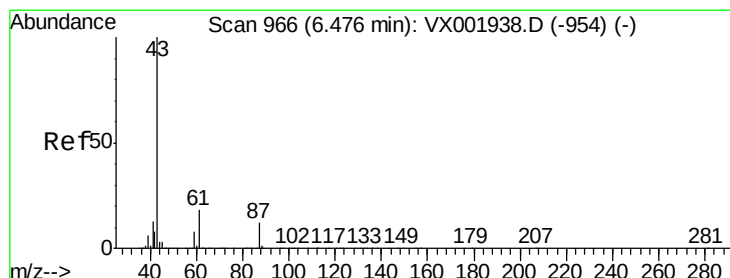
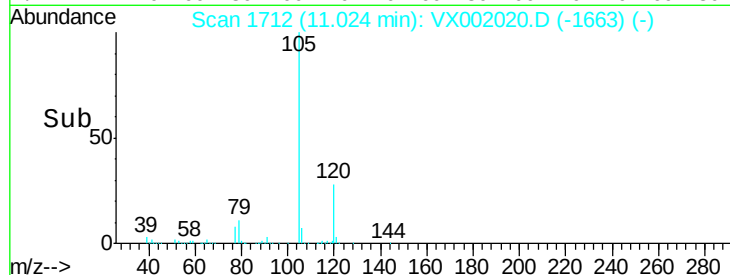
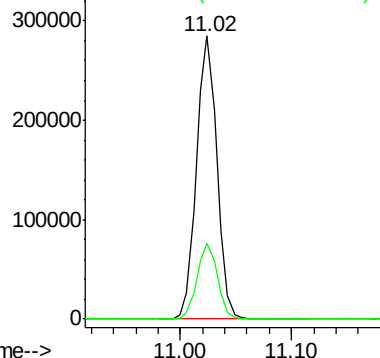
105 100

120 26.5 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: 20.14 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Tgt Ion: 43 Resp: 214620

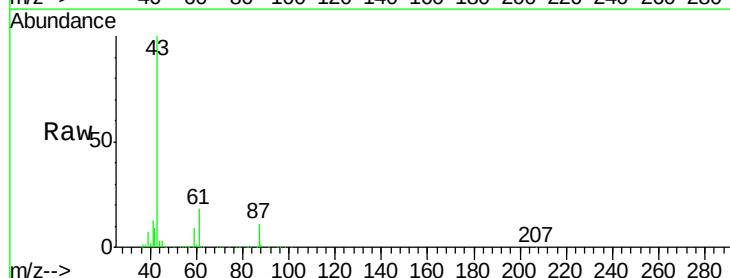
Ion Ratio Lower Upper

43 100

70 0.1 0.1 0.1

55 0.0 0.1 0.1#

61 18.2 14.5 21.7

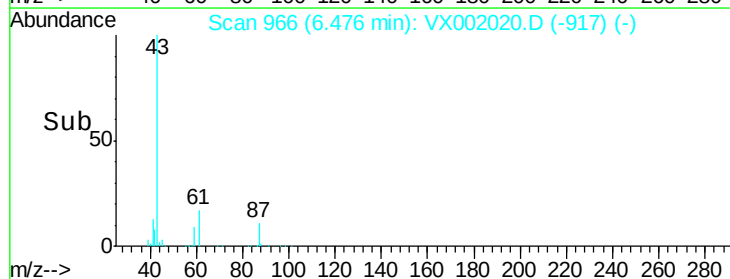
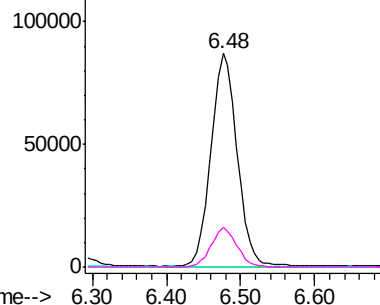


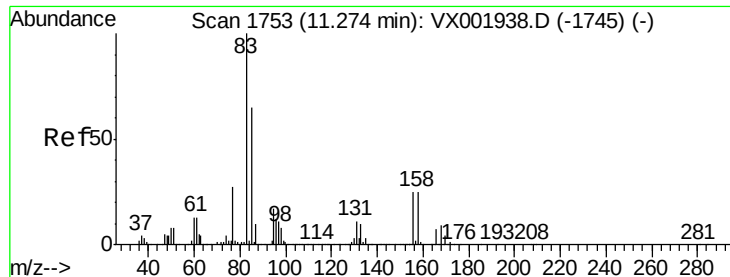
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.59 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

ClientSampleId :

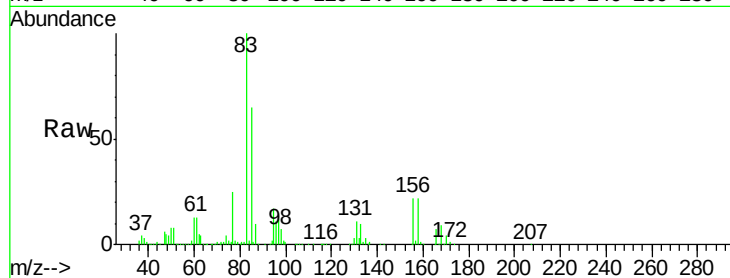
Tot Ion: 83 Resp: 109642

Ion Ratio Lower Upper

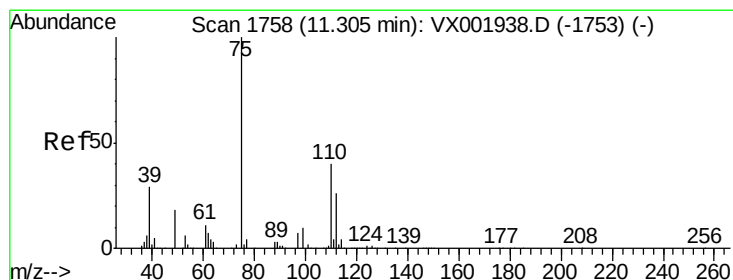
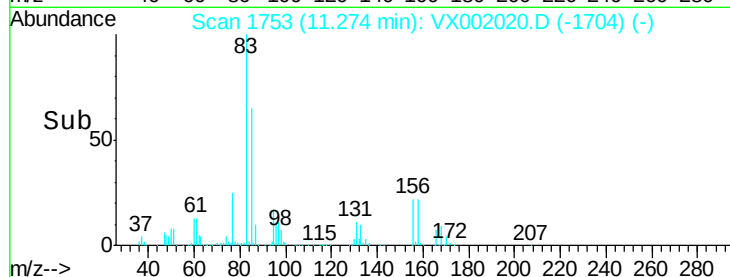
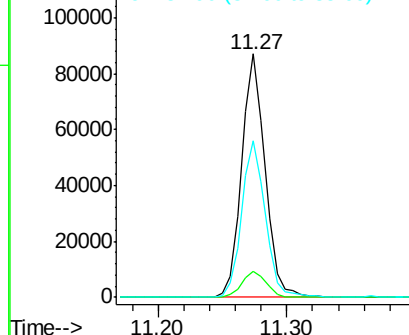
83 100

131 11.0 5.7 17.0

85 65.0 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 26.06 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX002020.D

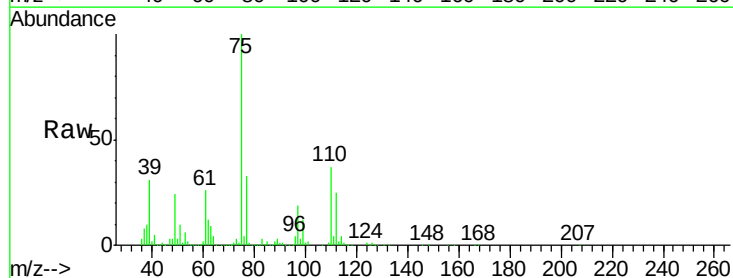
Acq: 26 May 2018 15:42

Tgt Ion: 75 Resp: 138837

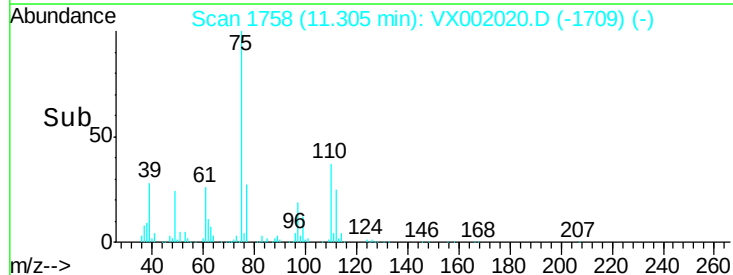
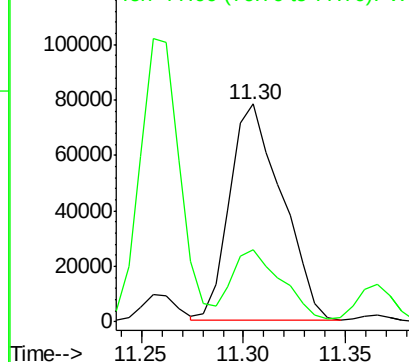
Ion Ratio Lower Upper

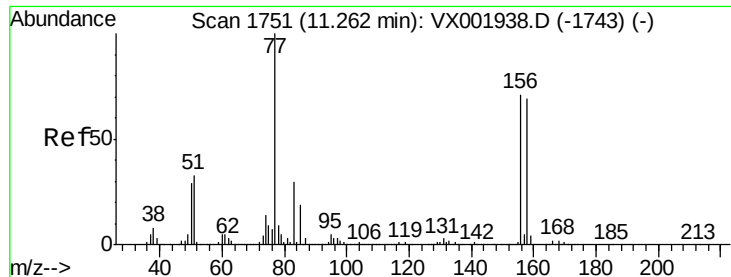
75 100

77 31.6 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.02 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

ClientSampled :

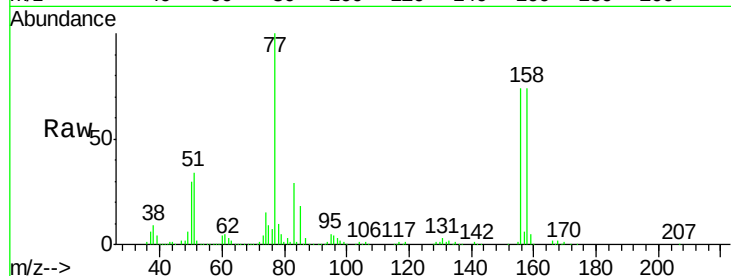
Tot Ion:156 Resp: 94796

Ion Ratio Lower Upper

156 100

77 146.5 75.2 225.6

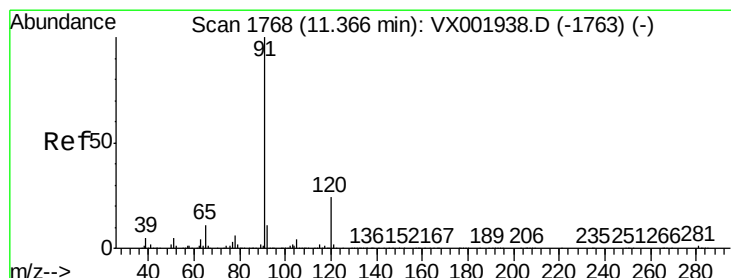
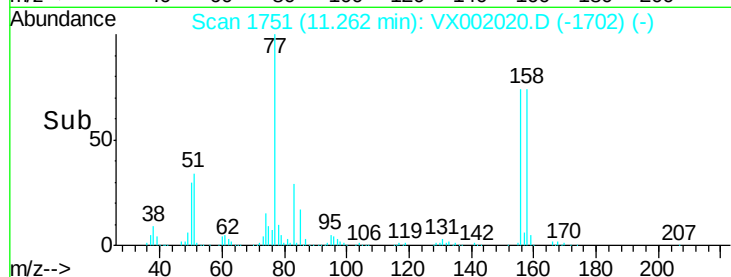
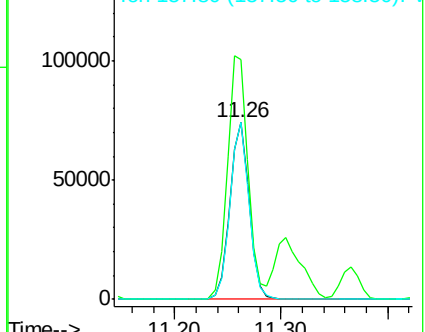
158 98.3 48.6 145.8



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: 18.97 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002020.D

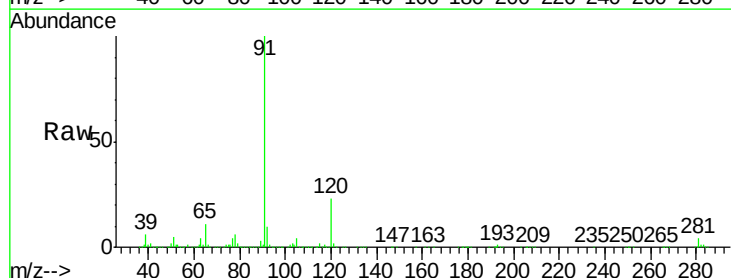
Acq: 26 May 2018 15:42

Tgt Ion: 91 Resp: 399095

Ion Ratio Lower Upper

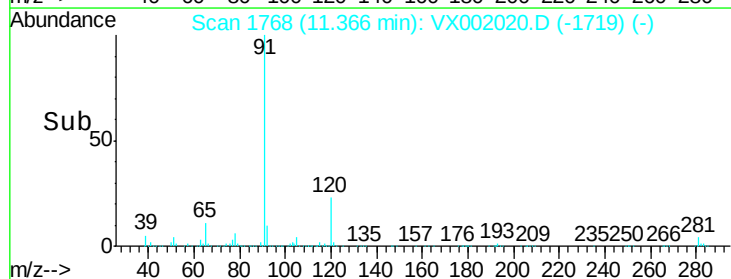
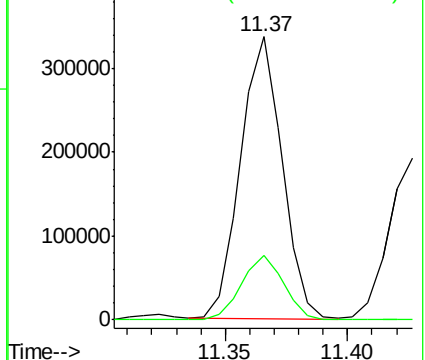
91 100

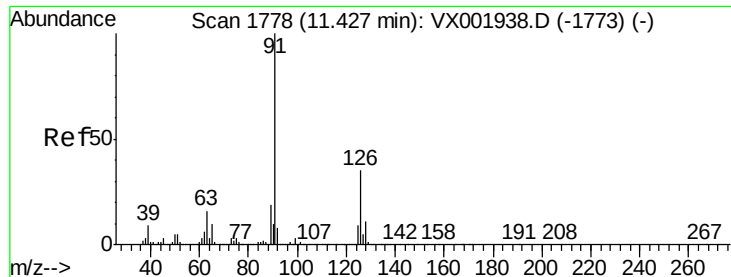
120 23.4 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.69 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

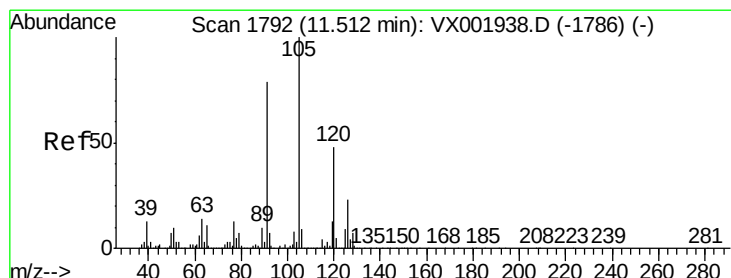
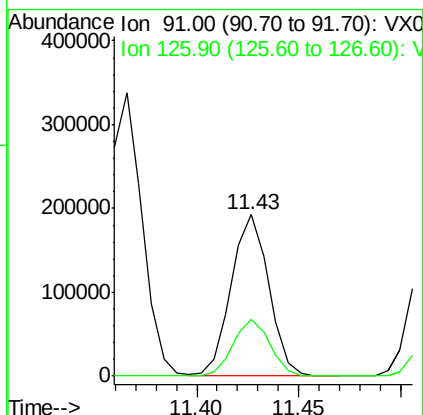
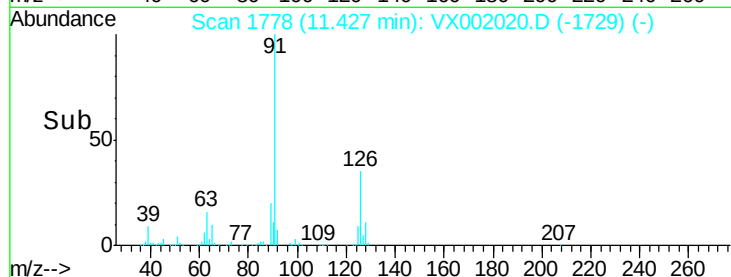
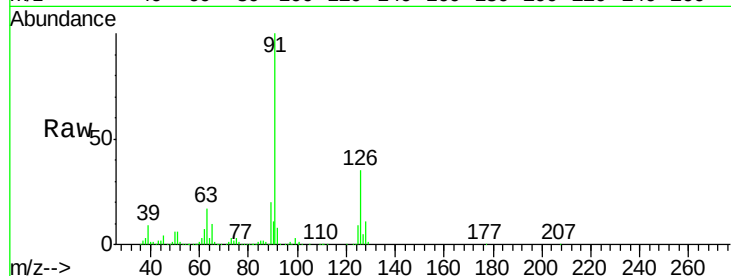
ClientSampleId :

Tot Ion: 91 Resp: 243427

Ion Ratio Lower Upper

91 100

126 34.9 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 18.88 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002020.D

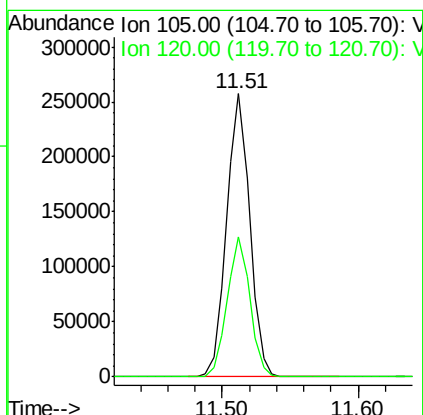
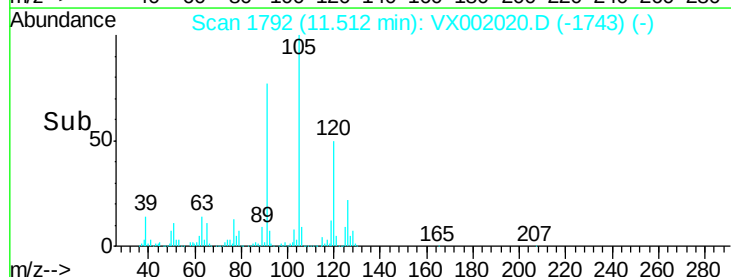
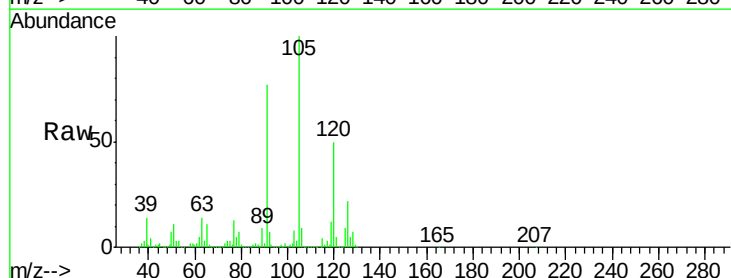
Acq: 26 May 2018 15:42

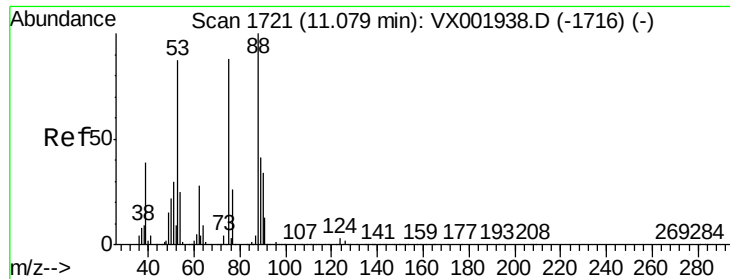
Tgt Ion: 105 Resp: 303094

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 16.52 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

ClientSampleId :

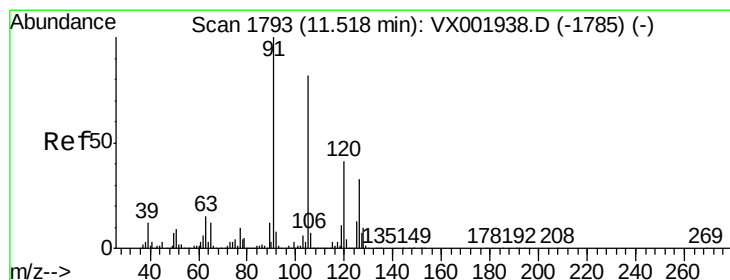
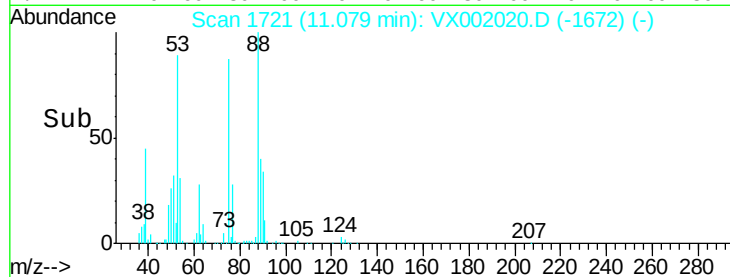
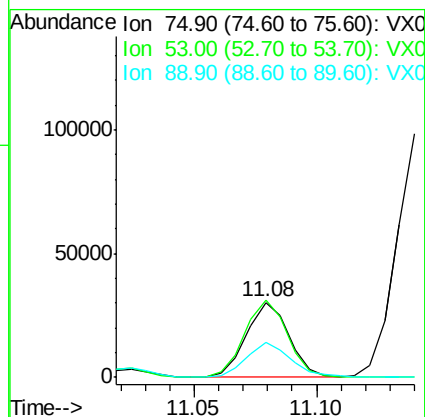
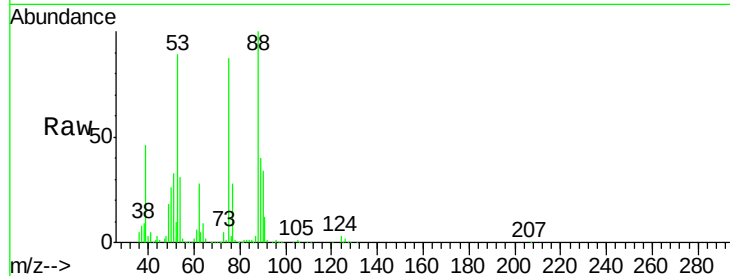
Tot Ion: 75 Resp: 36628

Ion Ratio Lower Upper

75 100

53 102.8 78.0 117.0

89 49.3 39.4 59.2



#82

4-Chlorotoluene

Concen: 18.66 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX002020.D

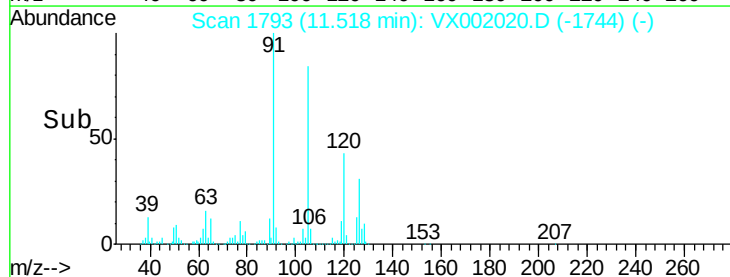
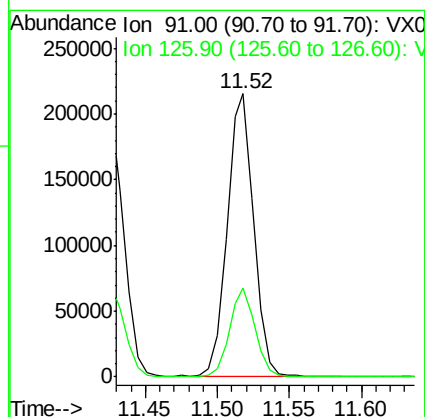
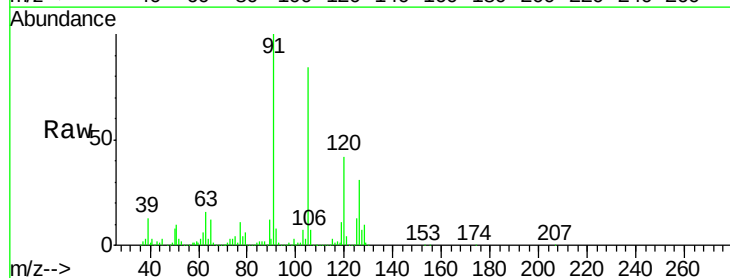
Acq: 26 May 2018 15:42

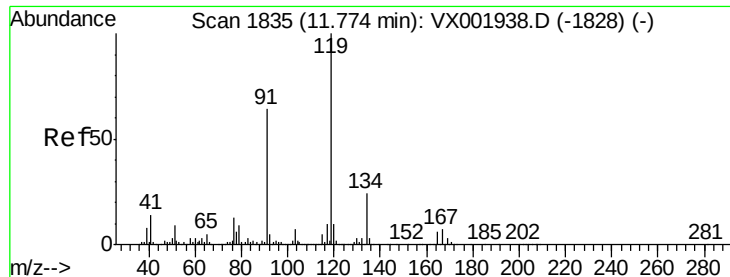
Tgt Ion: 91 Resp: 276963

Ion Ratio Lower Upper

91 100

126 30.5 15.3 45.8

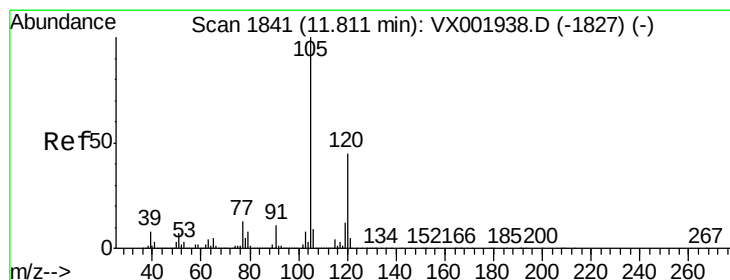
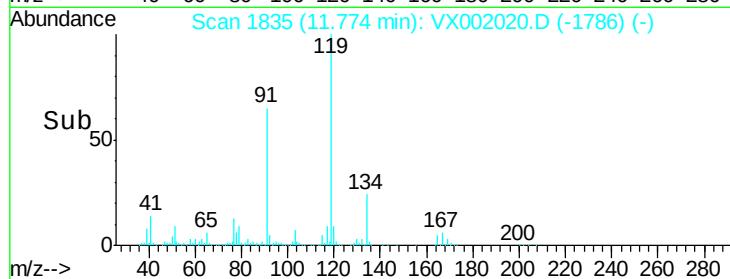
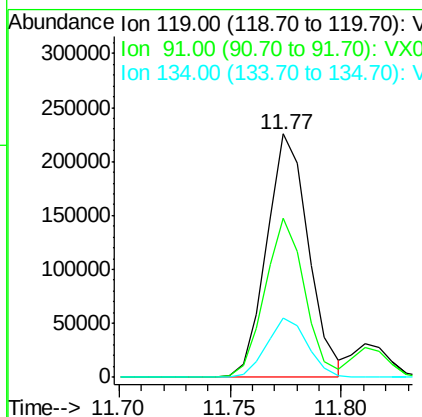
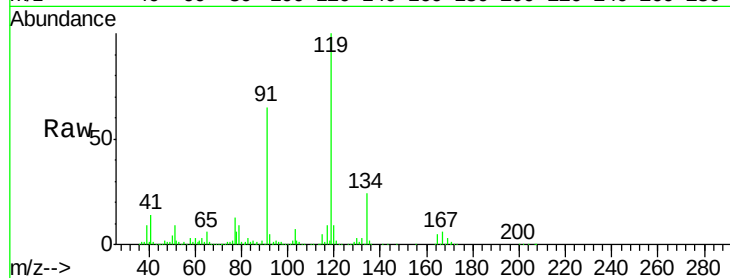




#83
 tert-Butylbenzene
 Concen: 18.62 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002020.D
 Acq: 26 May 2018 15:42

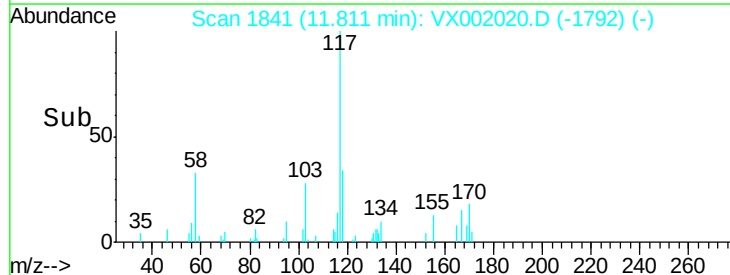
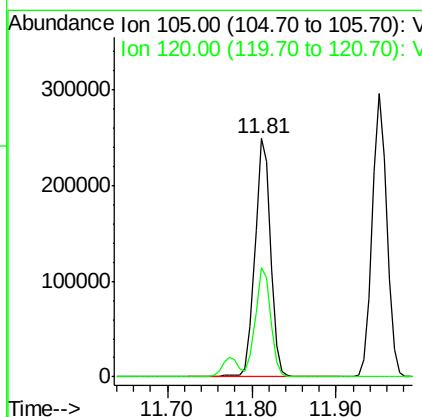
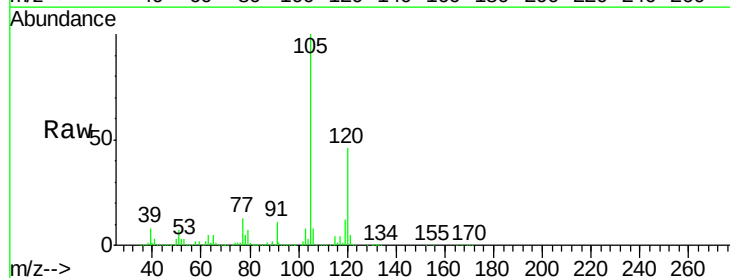
Instrument :
 MSVOA_X
 ClientSampleId :

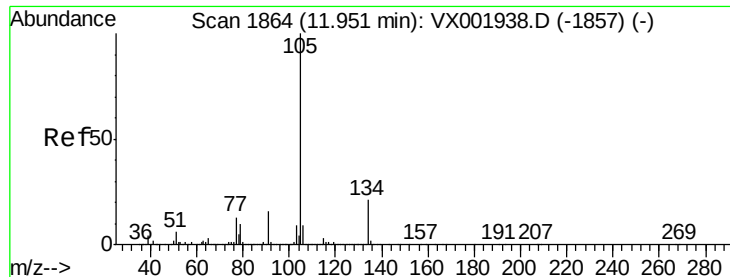
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.9	30.6	91.8
134	23.8	11.7	35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 18.71 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002020.D
 Acq: 26 May 2018 15:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.1	66.5





#85

sec-Butylbenzene

Concen: 18.94 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

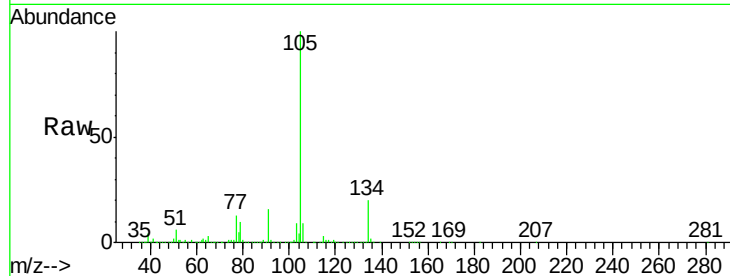
ClientSampleId :

Tot Ion:105 Resp: 358676

Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

300000

200000

100000

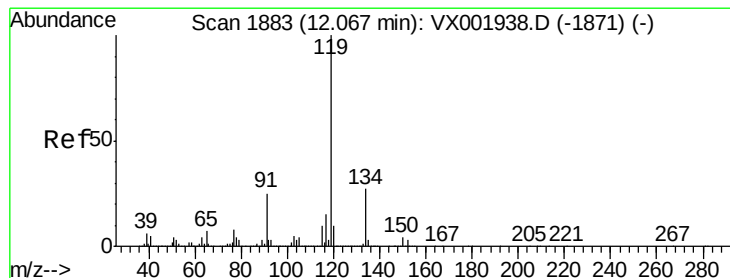
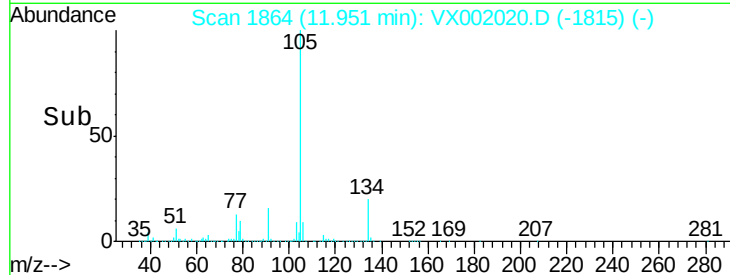
0

11.95

11.90

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 18.87 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

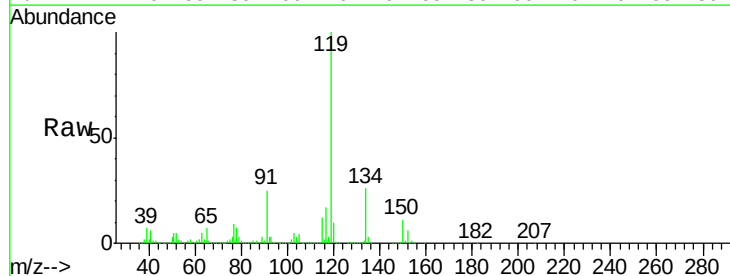
Tgt Ion:119 Resp: 319827

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

91 24.4 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

300000

200000

100000

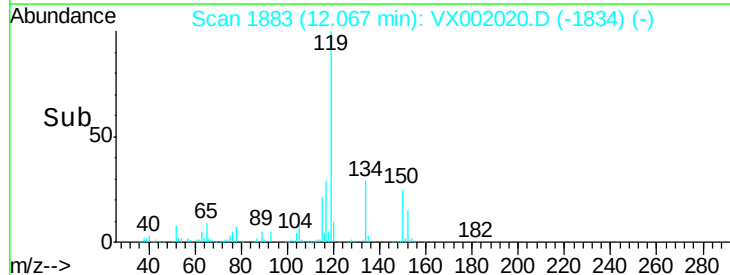
0

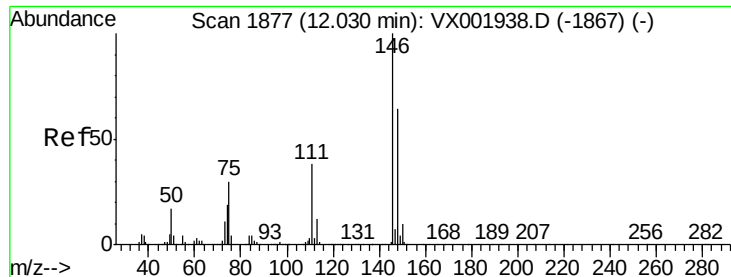
12.07

12.00

12.10

Time-->

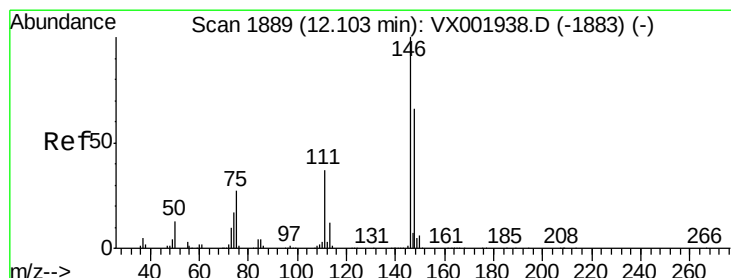
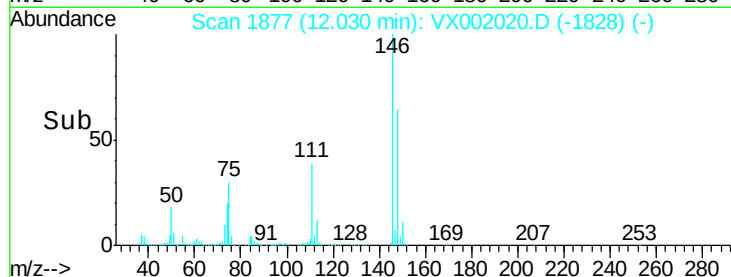
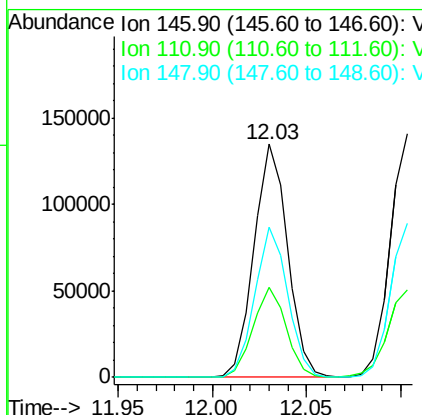
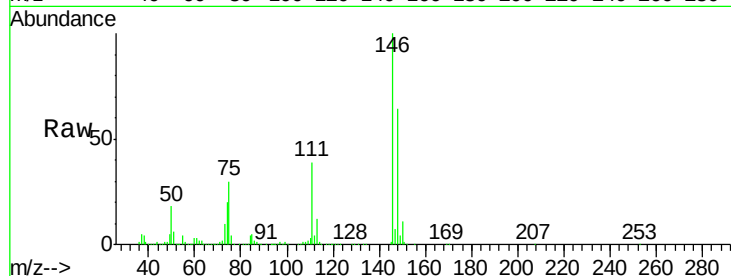




#87
 1,3-Dichlorobenzene
 Concen: 18.64 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002020.D
 Acq: 26 May 2018 15:42

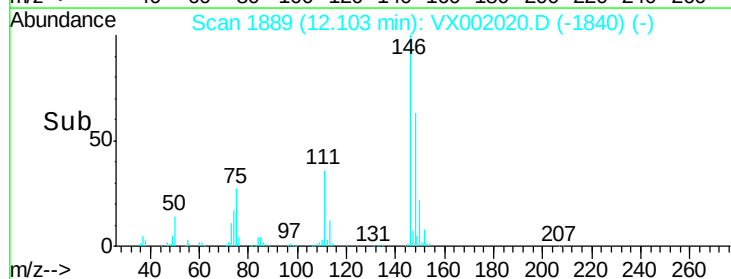
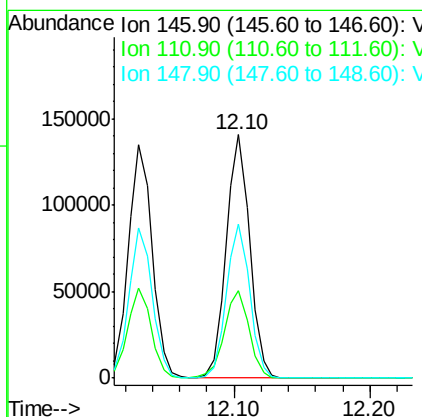
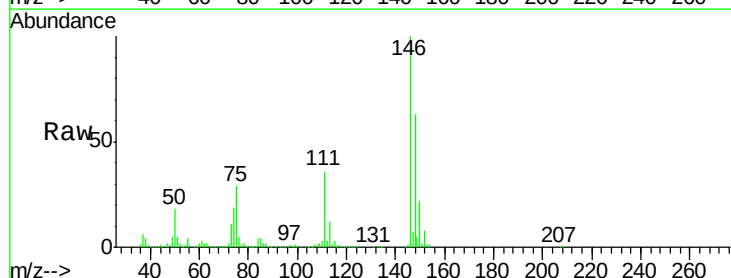
Instrument :
 MSVOA_X
 ClientSampled :

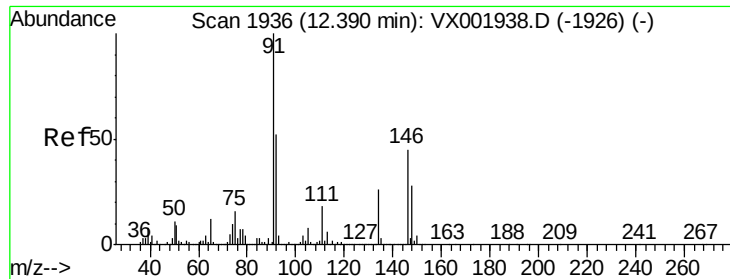
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.3	57.8
148	63.3	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 18.85 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002020.D
 Acq: 26 May 2018 15:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.9	56.5
148	63.2	32.3	96.8





#89

n-Butylbenzene

Concen: 18.68 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.01 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

ClientSampleId :

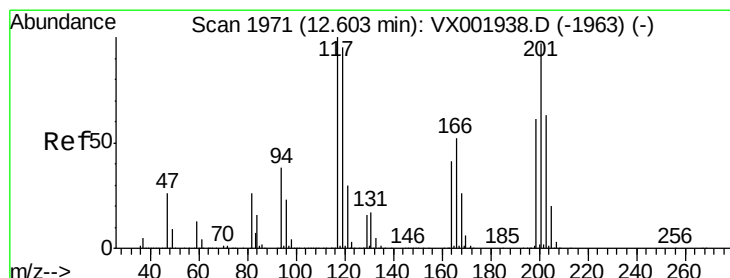
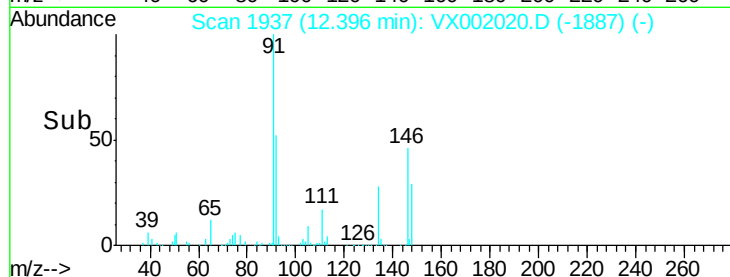
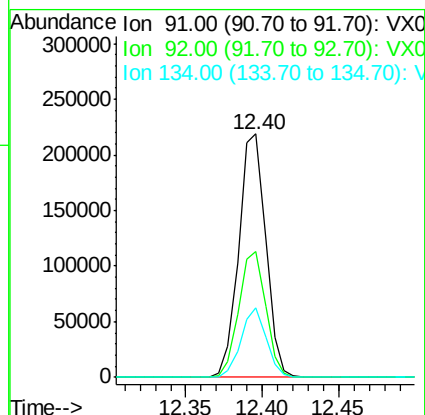
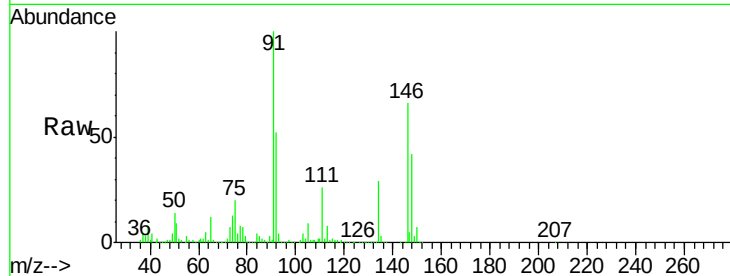
Tot Ion: 91 Resp: 268299

Ion Ratio Lower Upper

91 100

92 51.8 26.3 78.9

134 26.9 13.6 40.7



#90

Hexachloroethane

Concen: 17.01 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX002020.D

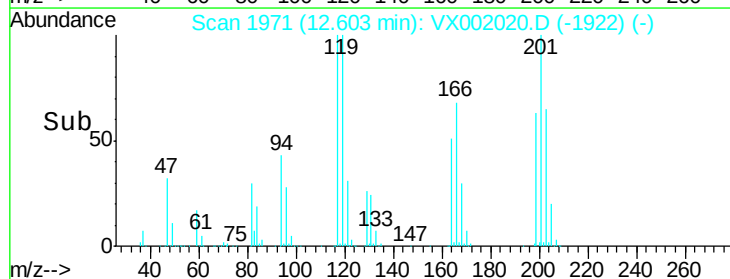
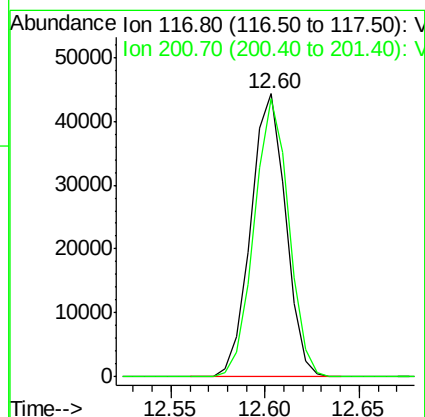
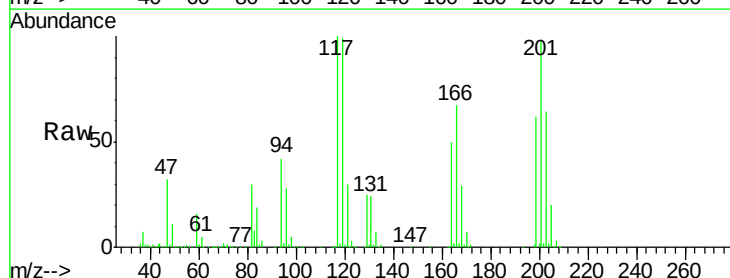
Acq: 26 May 2018 15:42

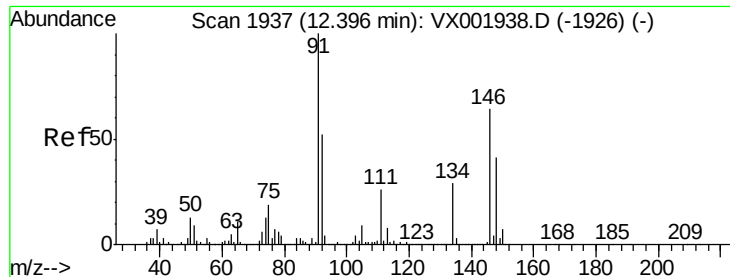
Tgt Ion: 117 Resp: 56858

Ion Ratio Lower Upper

117 100

201 97.2 48.0 144.0

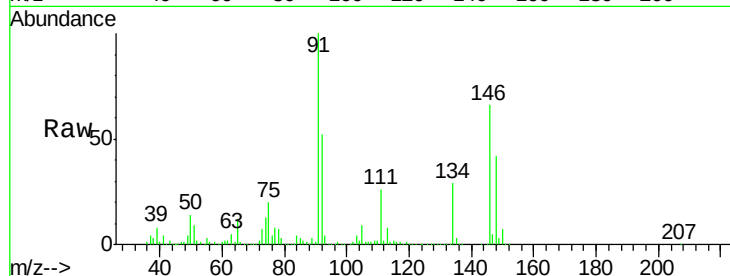




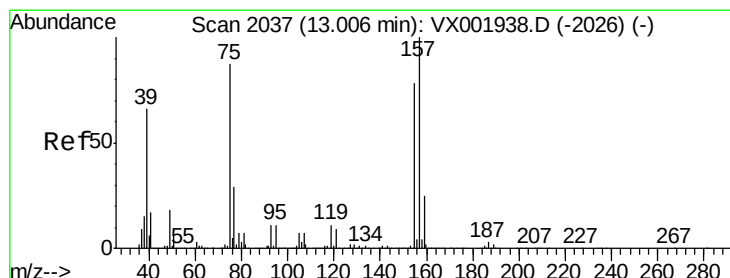
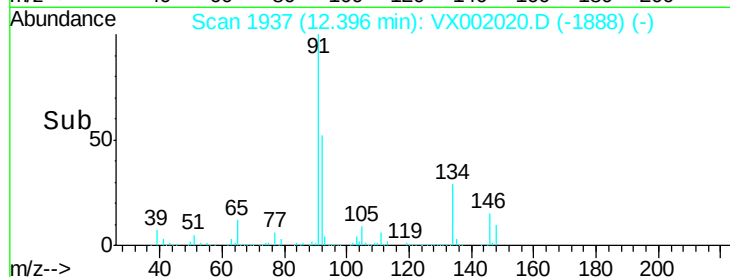
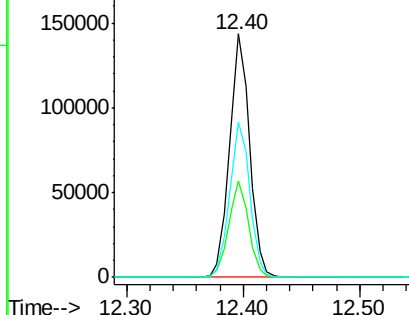
#91
 1,2-Dichlorobenzene
 Concen: 18.90 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002020.D
 Acq: 26 May 2018 15:42

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.3
148	64.4	32.1	96.5

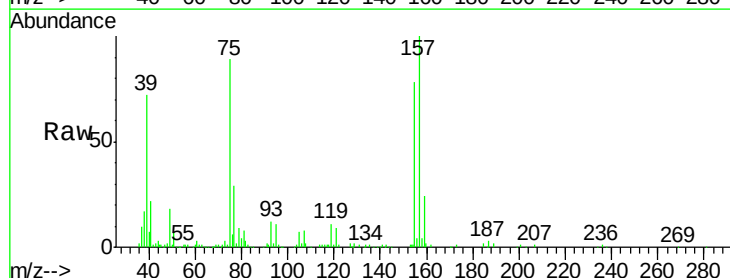


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

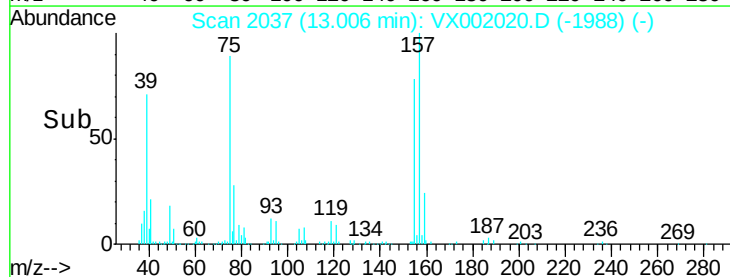
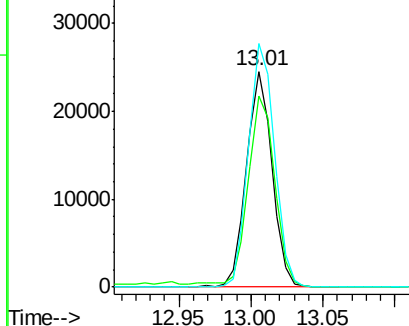


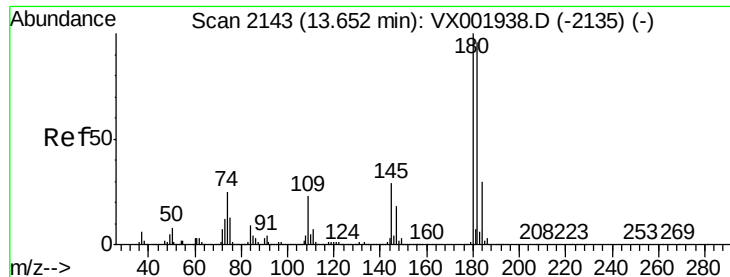
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.98 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002020.D
 Acq: 26 May 2018 15:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.7	45.1	135.2
157	115.5	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

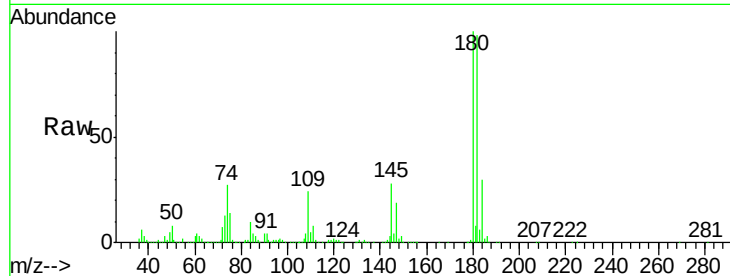




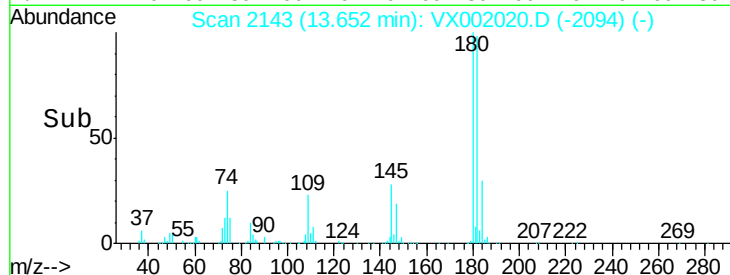
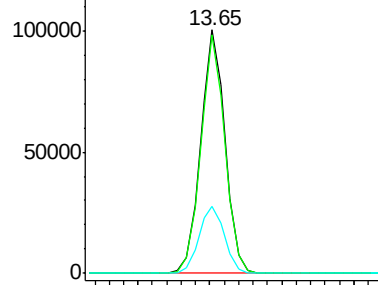
#93
 1,2,4-Trichlorobenzene
 Concen: 18.28 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002020.D
 Acq: 26 May 2018 15:42

Instrument :
 MSVOA_X
 ClientSampled :

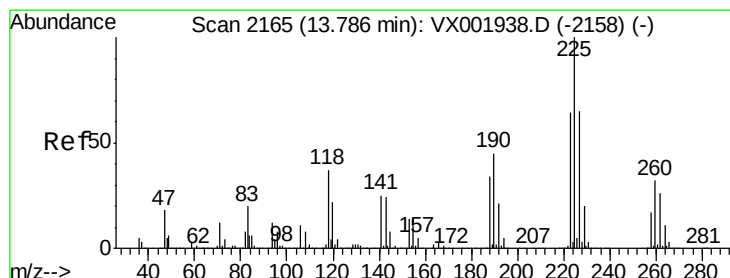
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.7	143.1
145	28.8	14.4	43.0



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

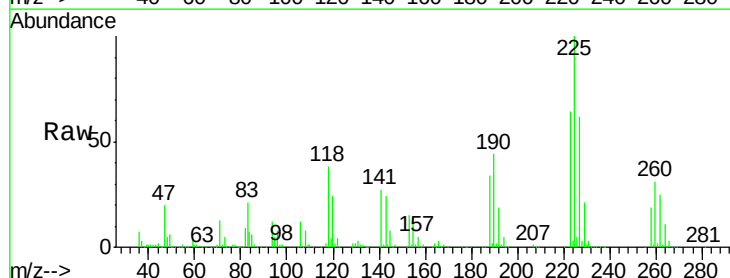


Time-->

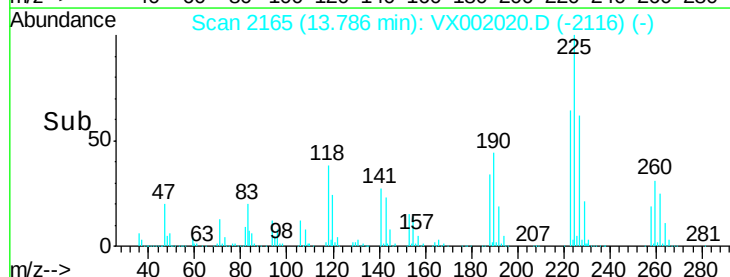
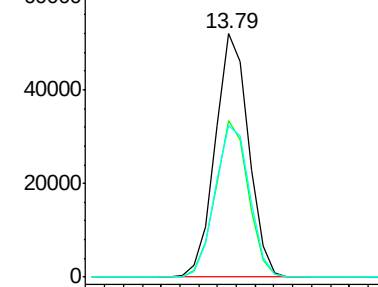


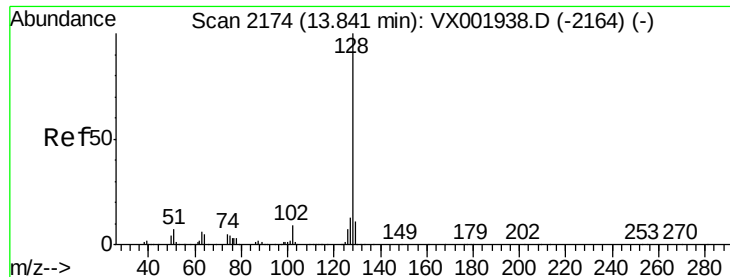
#94
 Hexachlorobutadiene
 Concen: 18.26 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002020.D
 Acq: 26 May 2018 15:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.1	93.5
227	64.6	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: 19.49 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

Instrument :

MSVOA_X

ClientSampleId :

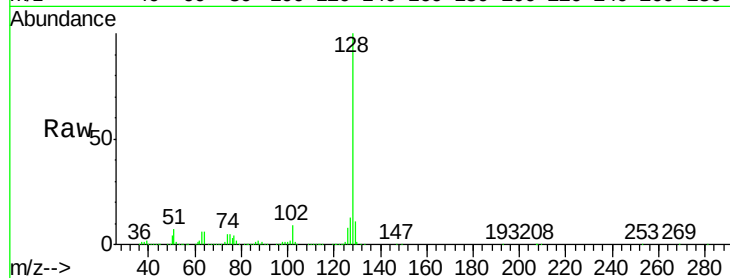
Tot Ion:128 Resp: 390601

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

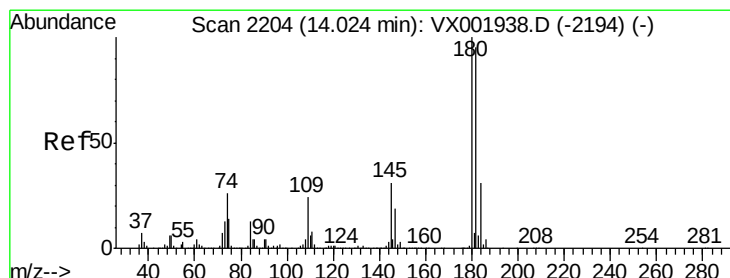
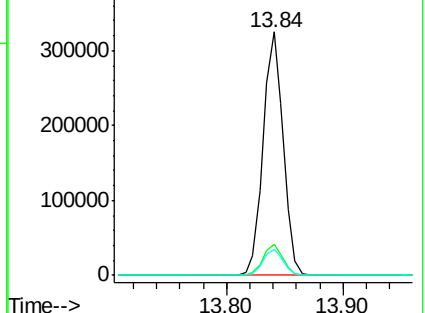
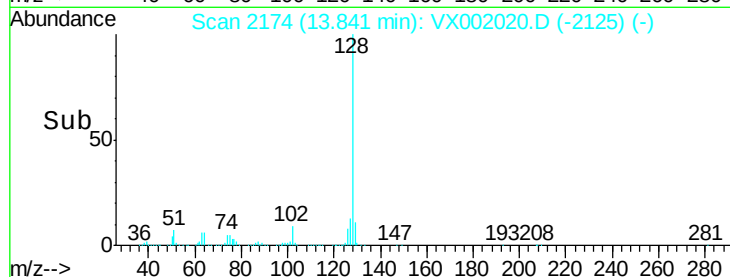
129 10.8 8.8 13.2



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: 18.82 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002020.D

Acq: 26 May 2018 15:42

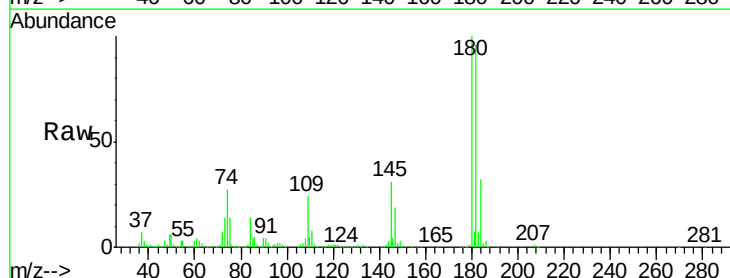
Tgt Ion:180 Resp: 126630

Ion Ratio Lower Upper

180 100

182 96.2 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

