

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002037.D
 Acq On : 26 May 2018 23:26
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 28 00:38:51 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	259457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	368647	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	344730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	235335	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	208825	45.03	ug/l	0.00
Spiked Amount			Recovery	=	90.06%	
35) Dibromofluoromethane	5.51	113	163392	44.32	ug/l	0.00
Spiked Amount			Recovery	=	88.64%	
50) Toluene-d8	8.72	98	610644	45.75	ug/l	0.00
Spiked Amount			Recovery	=	91.50%	
62) 4-Bromofluorobenzene	11.14	95	238361	45.65	ug/l	0.00
Spiked Amount			Recovery	=	91.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	152640	46.88	ug/l	97
3) Chloromethane	1.32	50	185738	46.53	ug/l	100
4) Vinyl Chloride	1.41	62	188240	48.84	ug/l	100
5) Bromomethane	1.64	94	101900	57.58	ug/l	99
6) Chloroethane	1.72	64	118729	52.25	ug/l	99
7) Trichlorofluoromethane	1.93	101	300272	51.87	ug/l	96
8) Diethyl Ether	2.19	74	111518	53.10	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	164215	50.84	ug/l	99
10) Methyl Iodide	2.51	142	223790	51.20	ug/l	98
11) Tert butyl alcohol	3.09	59	241989	265.81	ug/l	98
12) 1,1-Dichloroethene	2.37	96	152776	50.52	ug/l	97
13) Acrolein	2.30	56	68636	174.38	ug/l	98
14) Allyl chloride	2.73	41	319481	50.33	ug/l	99
15) Acrylonitrile	3.15	53	493380	263.55	ug/l	99
16) Acetone	2.45	43	476835	266.41	ug/l	97
17) Carbon Disulfide	2.57	76	413635	47.52	ug/l	99
18) Methyl Acetate	2.78	43	254842	59.32	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	599405	52.70	ug/l	100
20) Methylene Chloride	2.86	84	173300	56.12	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	163538	55.73	ug/l	96
22) Diisopropyl ether	3.88	45	626764	48.54	ug/l	99
23) Vinyl Acetate	3.83	43	2632899	245.93	ug/l	99
24) 1,1-Dichloroethane	3.70	63	311475	50.78	ug/l	99
25) 2-Butanone	4.71	43	751866	229.19	ug/l	99
26) 2,2-Dichloropropane	4.59	77	201340	32.43	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	184420	46.77	ug/l	94
28) Bromochloromethane	5.03	49	137391	53.45	ug/l	99
29) Tetrahydrofuran	5.17	42	486615	227.99	ug/l	99
30) Chloroform	5.22	83	321443	46.52	ug/l	99
31) Cyclohexane	5.58	56	280658	43.92	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	294177	45.66	ug/l	100
36) 1,1-Dichloropropene	5.81	75	231772	45.20	ug/l	99
37) Ethyl Acetate	4.87	43	296249	44.31	ug/l	100
38) Carbon Tetrachloride	5.79	117	261973	43.81	ug/l	97

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 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	277017	43.97	ug/l	98
40) Benzene	6.15	78	699178	46.54	ug/l	99
41) Methacrylonitrile	5.07	41	167827	47.51	ug/l	99
42) 1,2-Dichloroethane	6.20	62	274851	45.80	ug/l	100
43) Isopropyl Acetate	6.47	43	501880	45.06	ug/l	100
44) Trichloroethene	7.22	130	196728	44.94	ug/l	99
45) 1,2-Dichloropropane	7.52	63	190323	46.65	ug/l	99
46) Dibromomethane	7.67	93	125503	46.46	ug/l	99
47) Bromodichloromethane	7.90	83	255558	44.37	ug/l	99
48) Methyl methacrylate	7.78	41	254391	44.87	ug/l	98
49) 1,4-Dioxane	7.76	88	93850	939.43	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1567089	233.38	ug/l	100
52) Toluene	8.79	92	445070	46.55	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	287357	43.32	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	281253	43.51	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	184740	46.26	ug/l	98
56) Ethyl methacrylate	9.19	69	308150	44.86	ug/l	99
57) 1,3-Dichloropropane	9.38	76	305762	46.47	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	762749	250.51	ug/l	100
59) 2-Hexanone	9.50	43	1207250	233.18	ug/l	99
60) Dibromochloromethane	9.59	129	215392	45.53	ug/l	100
61) 1,2-Dibromoethane	9.68	107	196157	46.81	ug/l	99
64) Tetrachloroethene	9.34	164	243876	49.34	ug/l	99
65) Chlorobenzene	10.15	112	505265	46.26	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	199767	45.30	ug/l	100
67) Ethyl Benzene	10.26	91	879411	46.34	ug/l	99
68) m/p-Xylenes	10.37	106	673354	92.83	ug/l	99
69) o-Xylene	10.70	106	337077	46.54	ug/l	100
70) Styrene	10.72	104	561258	46.73	ug/l	100
71) Bromoform	10.86	173	180973	43.28	ug/l #	99
73) Isopropylbenzene	11.02	105	902126	45.27	ug/l	99
74) N-amyl acetate	6.47	43	501880	48.45	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	271709	49.85	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	340944	60.32	ug/l	78
77) Bromobenzene	11.26	156	243386	46.03	ug/l	99
78) n-propylbenzene	11.37	91	1013619	45.41	ug/l	100
79) 2-Chlorotoluene	11.43	91	610590	49.86	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	768756	45.14	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	86413	36.74	ug/l	95
82) 4-Chlorotoluene	11.52	91	717961	45.61	ug/l	100
83) tert-Butylbenzene	11.77	119	732489	43.83	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	791122	44.95	ug/l	99
85) sec-Butylbenzene	11.95	105	904322	45.01	ug/l	100
86) p-Isopropyltoluene	12.07	119	816580	45.42	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	433083	45.74	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	439538	46.43	ug/l	100
89) n-Butylbenzene	12.39	91	696683	45.74	ug/l	100
90) Hexachloroethane	12.60	117	148829	41.97	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	444297	46.05	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	74291	41.93	ug/l	100

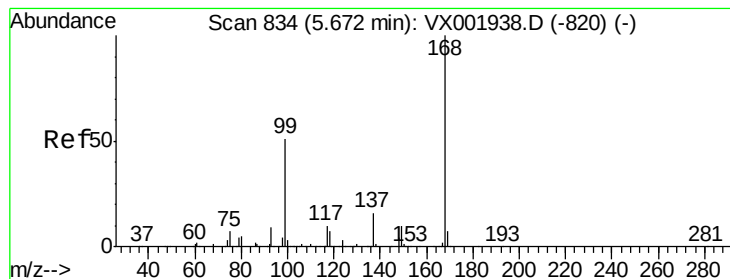
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	321641	46.62	ug/l	99
94) Hexachlorobutadiene	13.79	225	163778	44.13	ug/l	100
95) Naphthalene	13.84	128	979416	46.08	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	331639	46.46	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

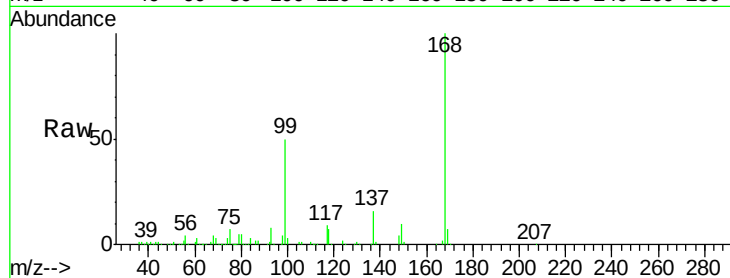
ClientSampleId :

Tot Ion:168 Resp: 259457

Ion Ratio Lower Upper

168 100

99 49.4 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

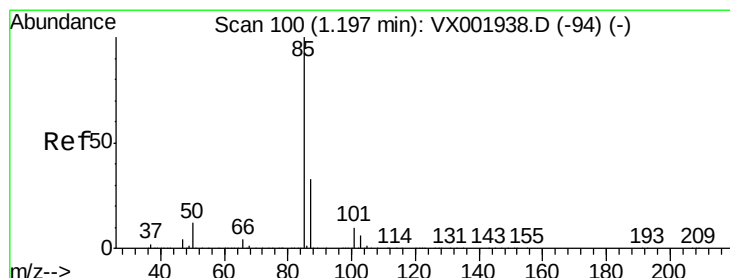
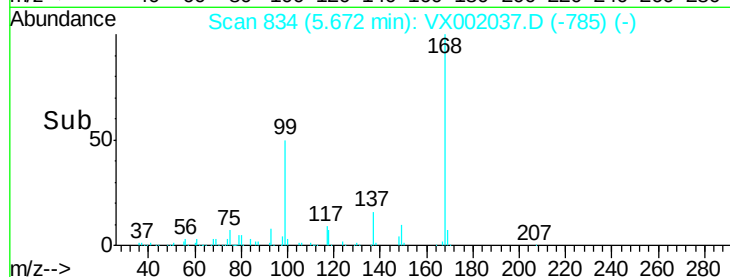
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.88 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002037.D

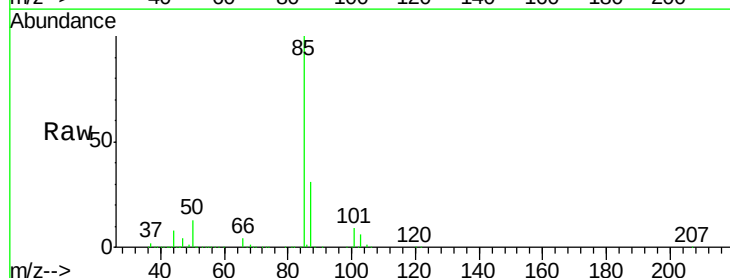
Acq: 26 May 2018 23:26

Tgt Ion: 85 Resp: 152640

Ion Ratio Lower Upper

85 100

87 31.5 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

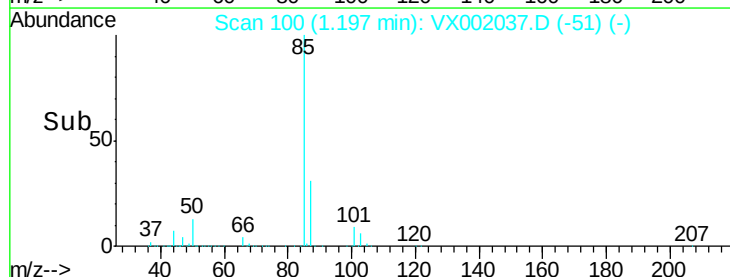
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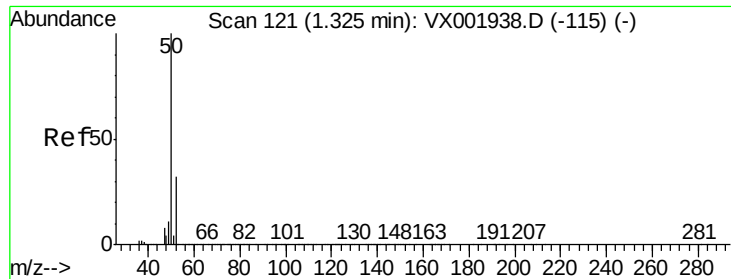
50000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 46.53 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

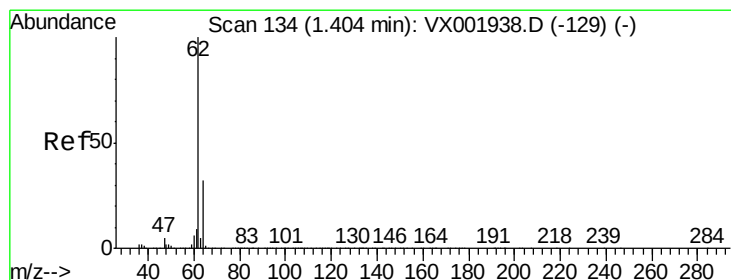
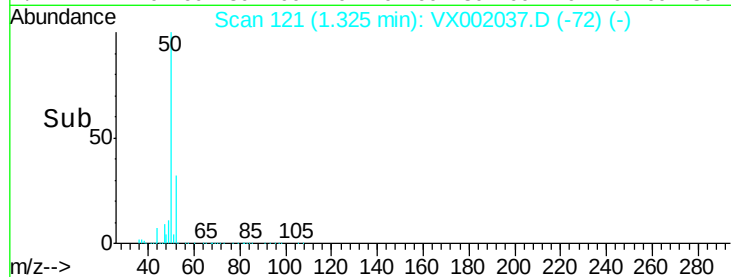
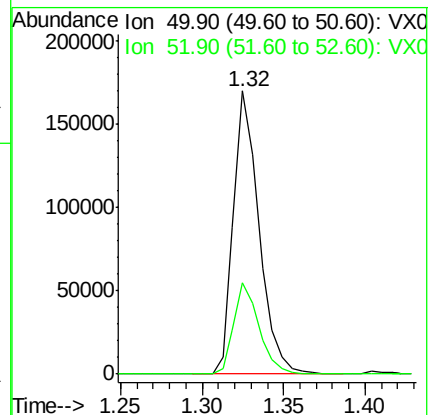
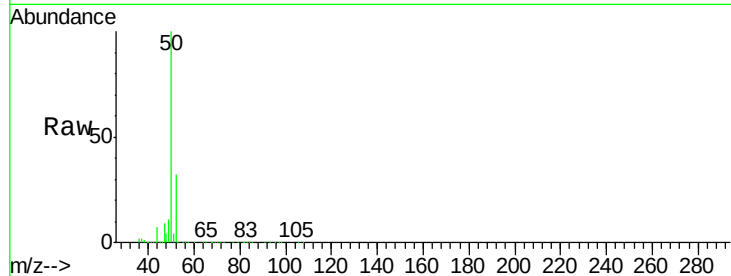
ClientSampleId :

Tot Ion: 50 Resp: 185738

Ion Ratio Lower Upper

50 100

52 32.2 26.0 39.0



#4

Vinyl Chloride

Concen: 48.84 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002037.D

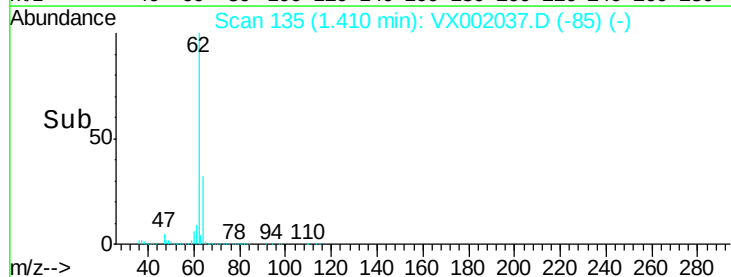
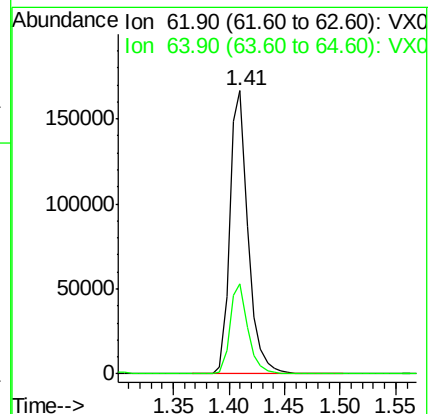
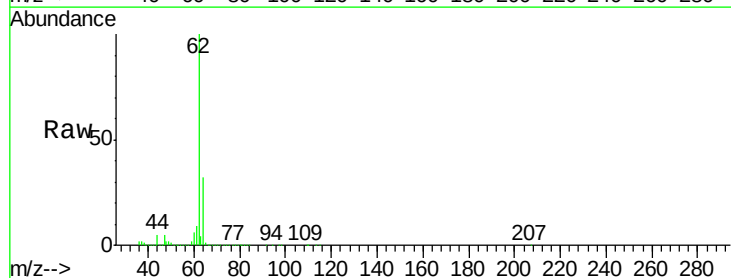
Acq: 26 May 2018 23:26

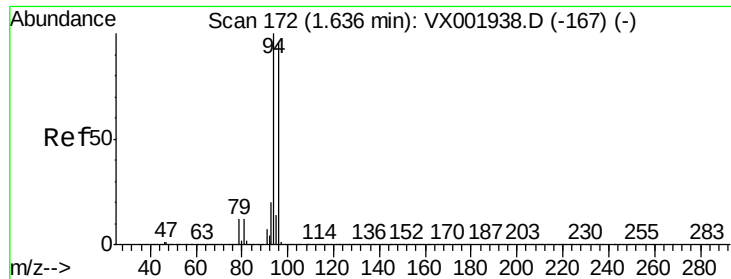
Tgt Ion: 62 Resp: 188240

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.0





#5

Bromomethane

Concen: 57.58 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

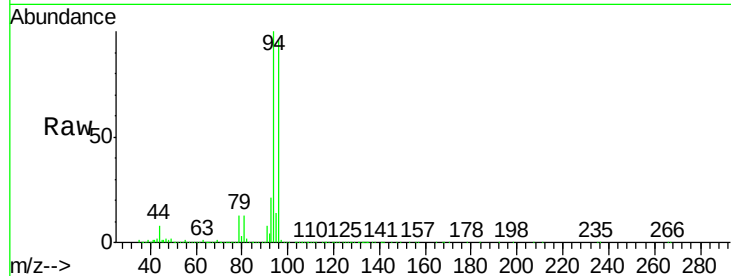
ClientSampled :

Tot Ion: 94 Resp: 101900

Ion Ratio Lower Upper

94 100

96 96.1 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

60000

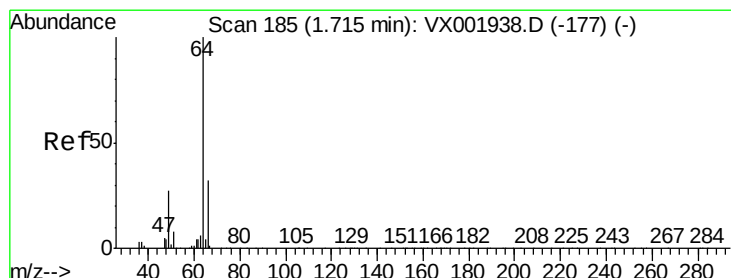
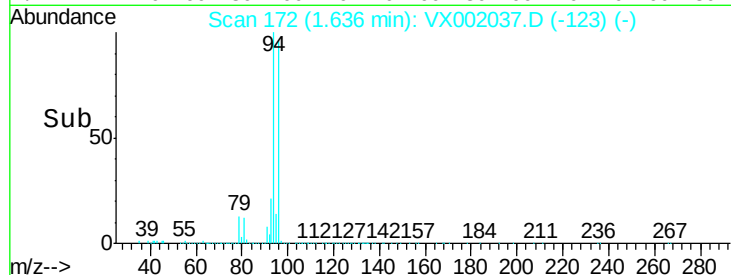
40000

20000

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Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 52.25 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX002037.D

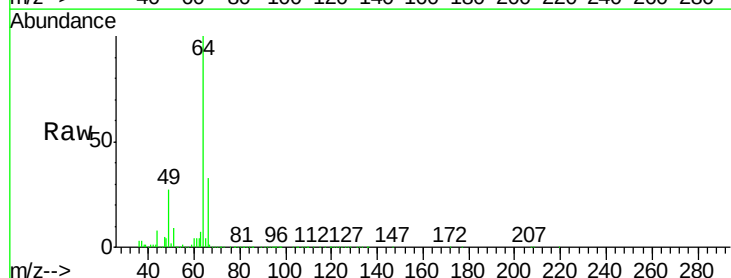
Acq: 26 May 2018 23:26

Tgt Ion: 64 Resp: 118729

Ion Ratio Lower Upper

64 100

66 32.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

100000

80000

60000

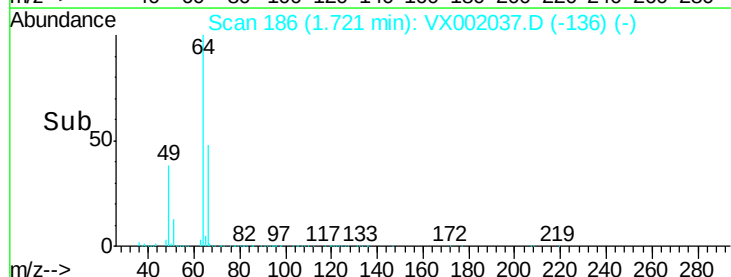
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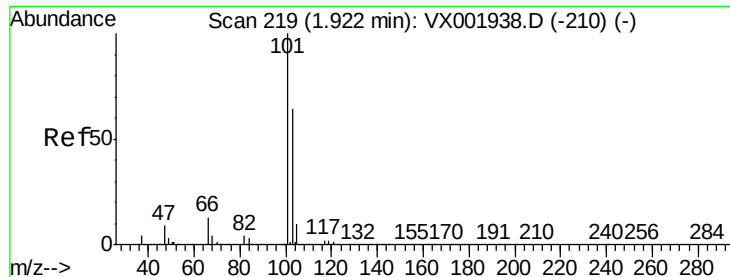
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Time-->

1.65 1.70 1.75 1.80



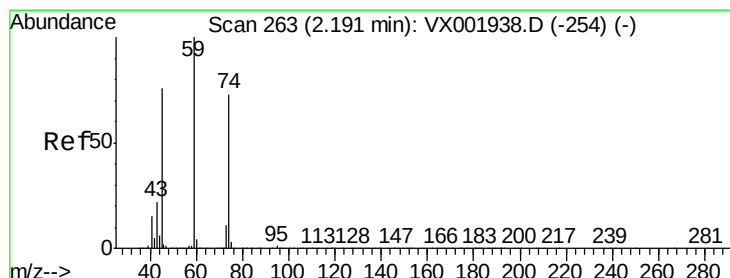
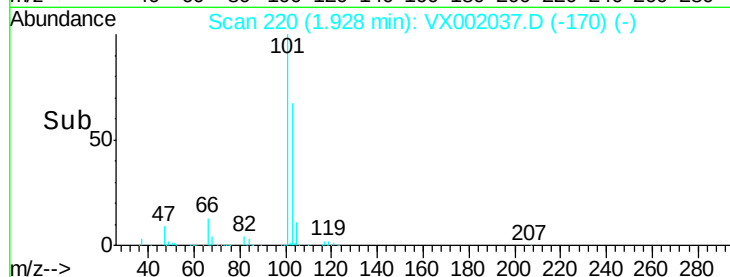
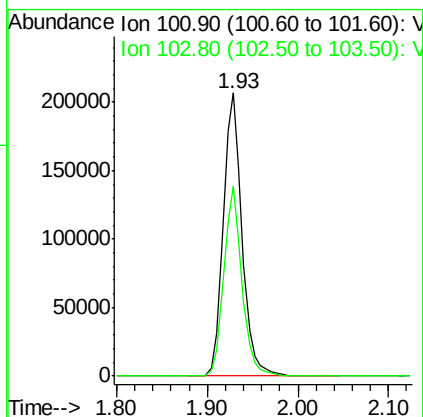
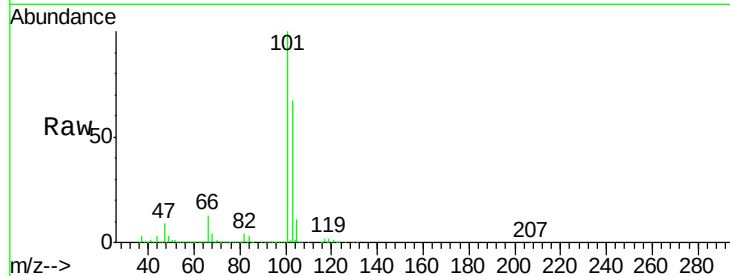


#7

Trichlorofluoromethane
Concen: 51.87 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Instrument :
MSVOA_X
ClientSampleId :

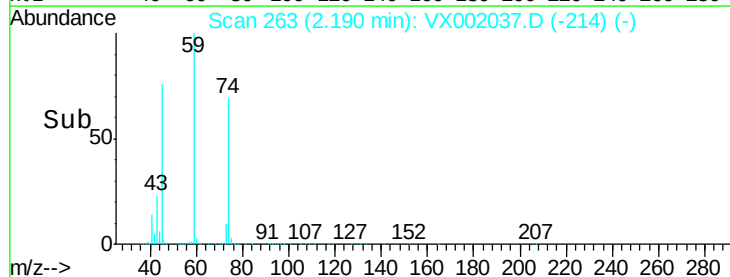
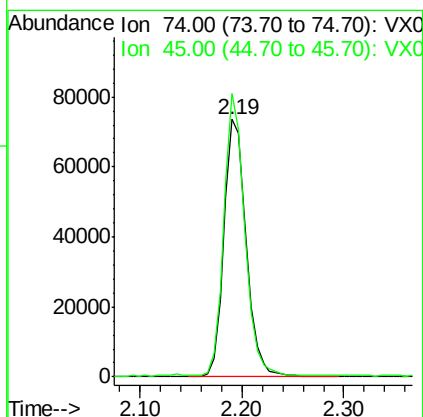
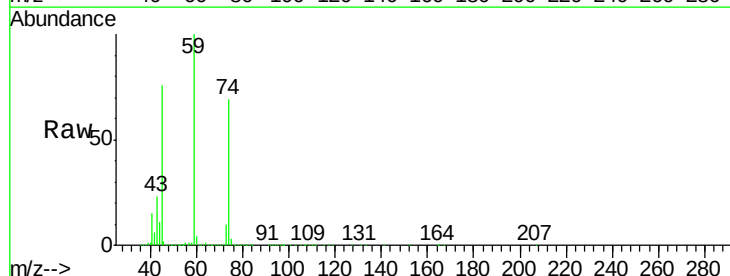
Tot Ion:101 Resp: 300272
Ion Ratio Lower Upper
101 100
103 67.0 51.4 77.0

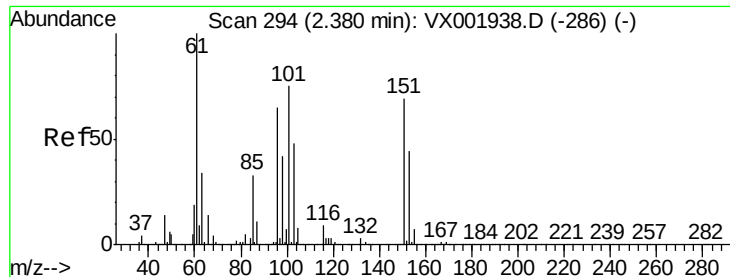


#8

Diethyl Ether
Concen: 53.10 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion: 74 Resp: 111518
Ion Ratio Lower Upper
74 100
45 102.7 51.5 154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.84 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampled :

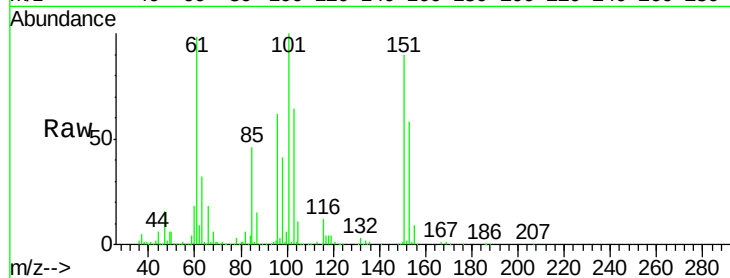
Tot Ion:101 Resp: 164215

Ion Ratio Lower Upper

101 100

85 44.2 35.6 53.4

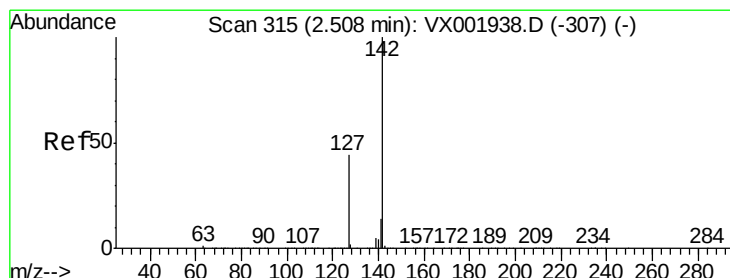
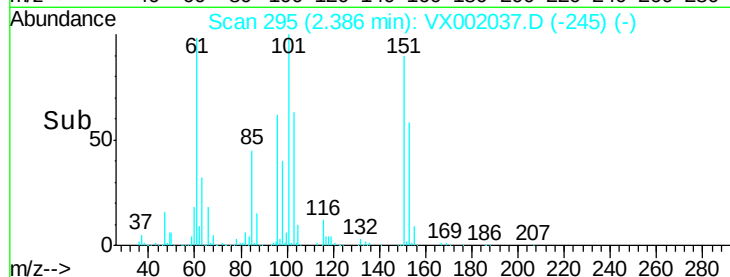
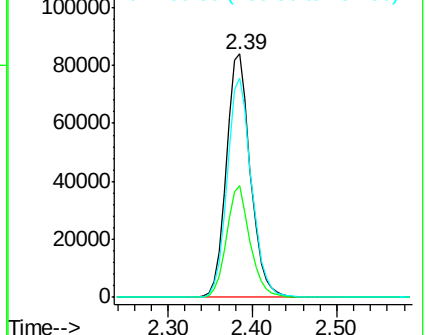
151 90.6 73.2 109.8



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: 51.20 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

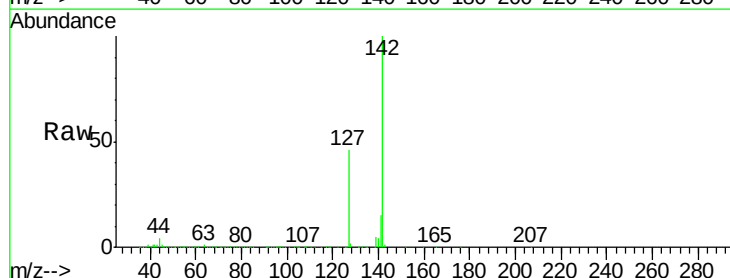
Tgt Ion:142 Resp: 223790

Ion Ratio Lower Upper

142 100

127 45.5 35.5 53.3

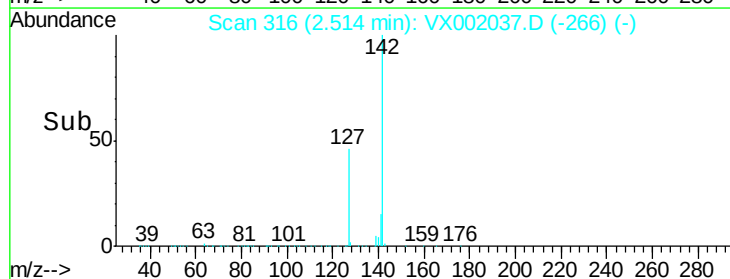
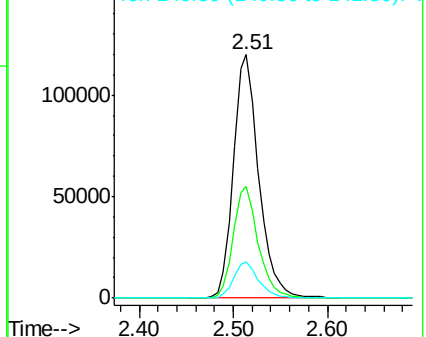
141 14.6 11.3 16.9

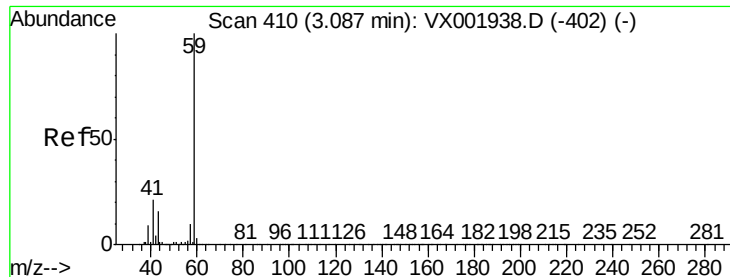


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



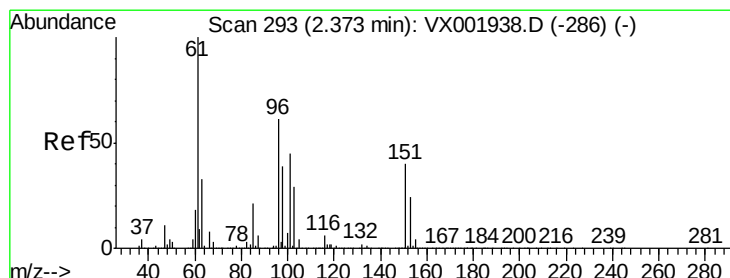
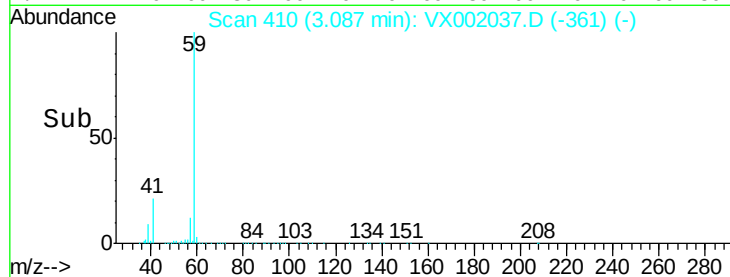
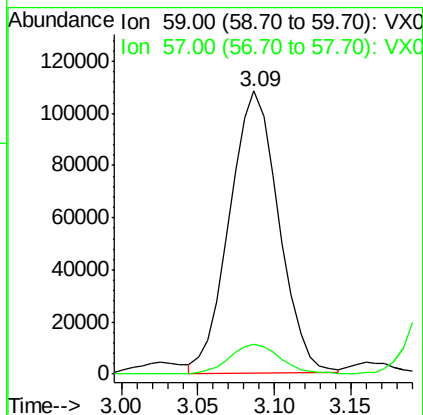
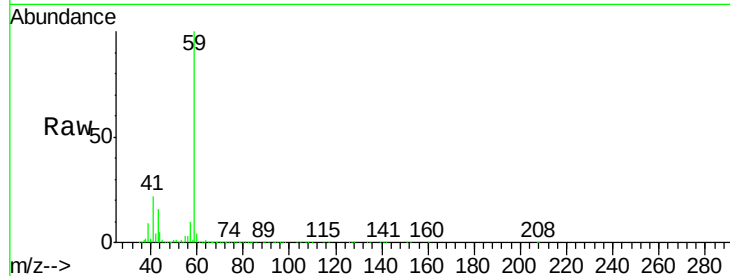


#11

Tert butyl alcohol
Concen: 265.81 ug/l
RT: 3.09 min Scan# 410
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Instrument :
MSVOA_X
ClientSampleId :

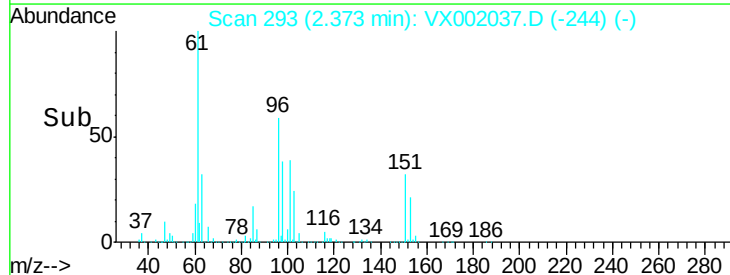
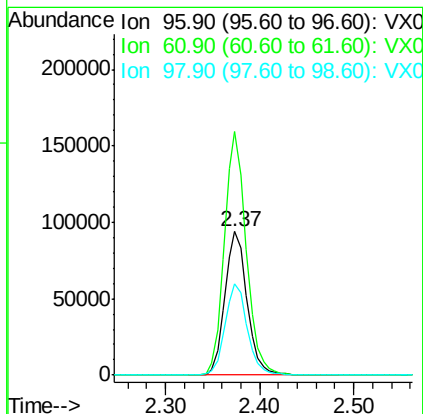
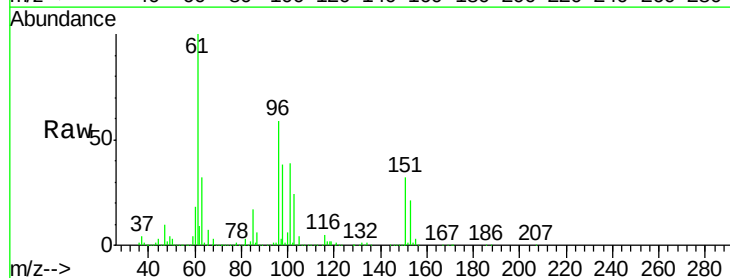
Tot Ion: 59 Resp: 241989
Ion Ratio Lower Upper
59 100
57 10.5 8.9 13.3

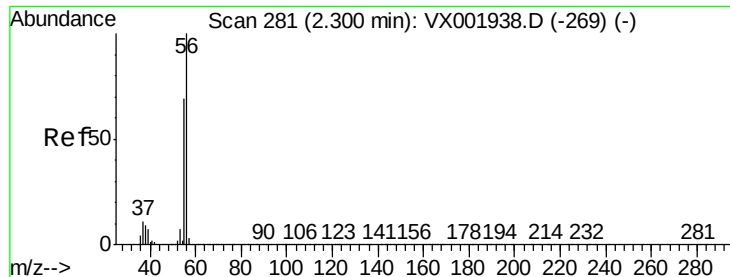


#12

1,1-Dichloroethene
Concen: 50.52 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion: 96 Resp: 152776
Ion Ratio Lower Upper
96 100
61 170.0 131.7 197.5
98 63.9 51.6 77.4





#13

Acrolein

Concen: 174.38 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

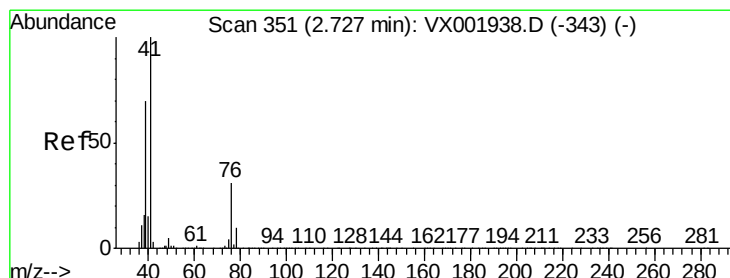
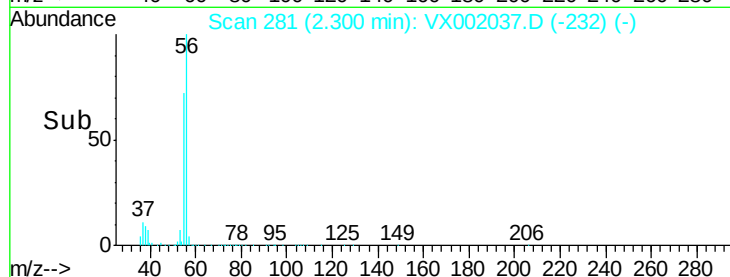
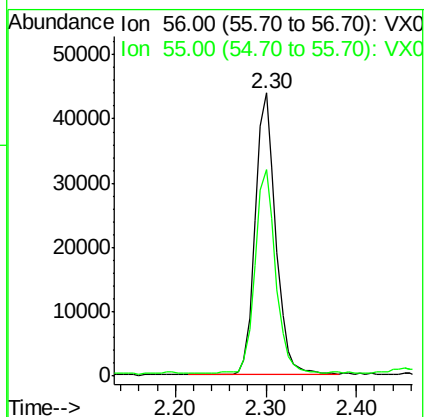
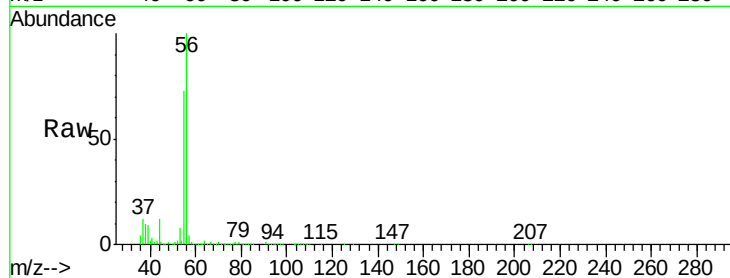
ClientSampleId :

Tot Ion: 56 Resp: 68636

Ion Ratio Lower Upper

56 100

55 72.8 56.8 85.2



#14

Allyl chloride

Concen: 50.33 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

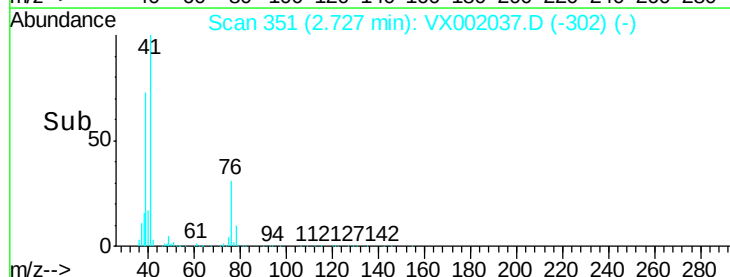
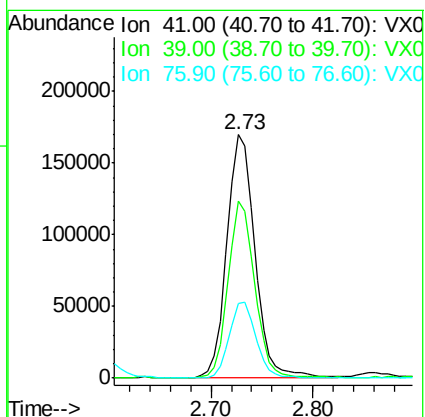
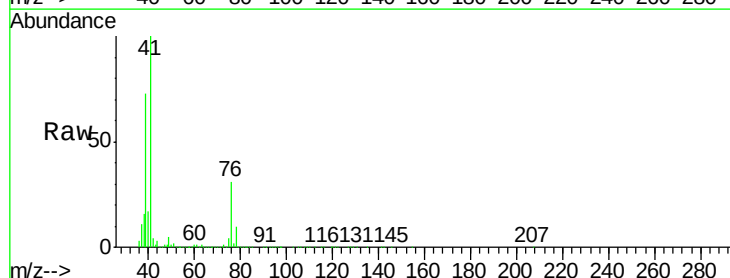
Tgt Ion: 41 Resp: 319481

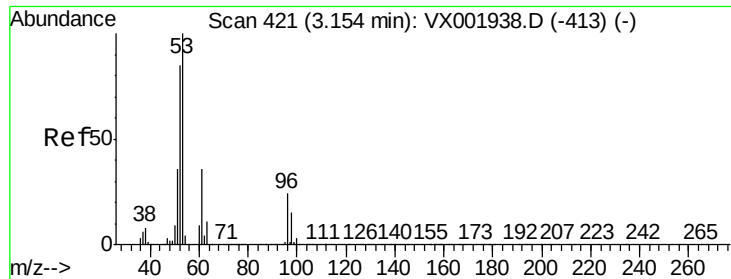
Ion Ratio Lower Upper

41 100

39 68.7 54.3 81.5

76 30.0 24.2 36.4





#15

Acrylonitrile

Concen: 263.55 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

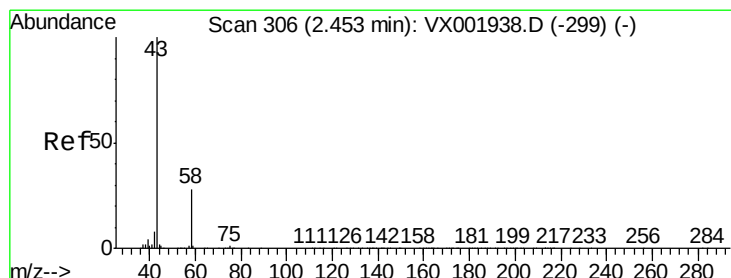
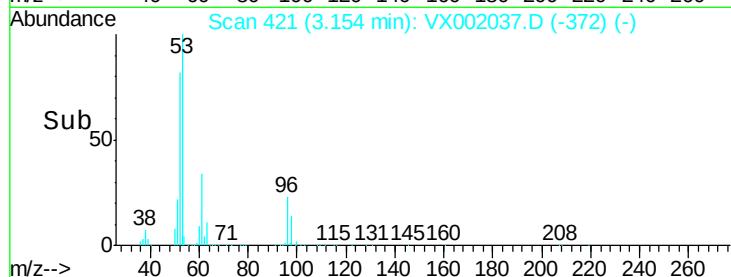
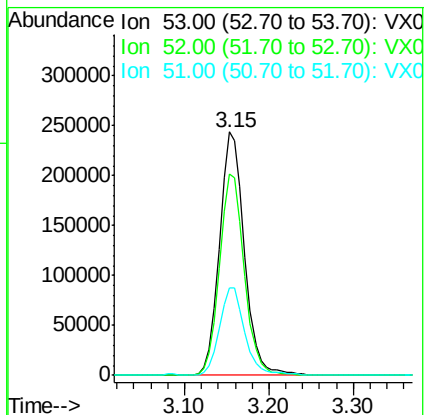
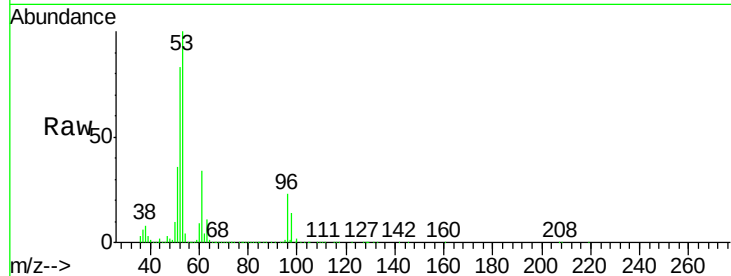
Tot Ion: 53 Resp: 493380

Ion Ratio Lower Upper

53 100

52 82.6 66.4 99.6

51 37.0 29.3 43.9



#16

Acetone

Concen: 266.41 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002037.D

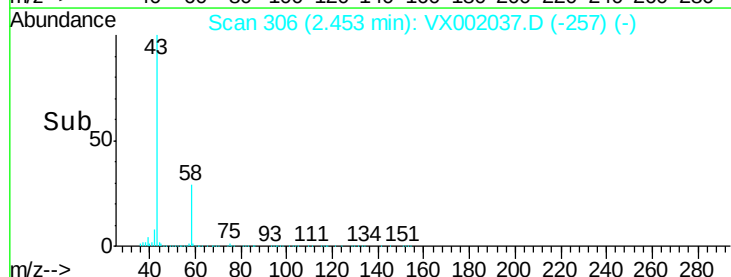
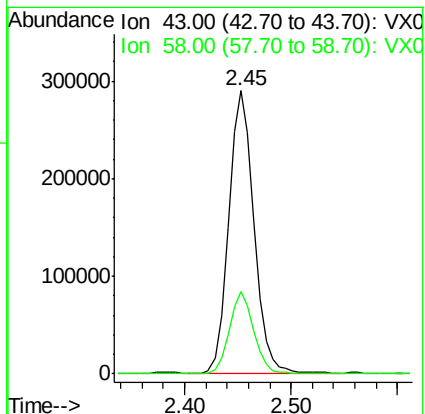
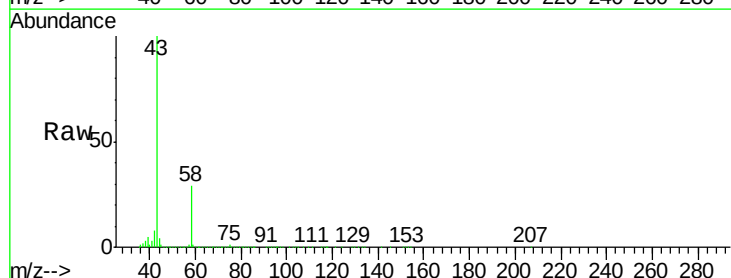
Acq: 26 May 2018 23:26

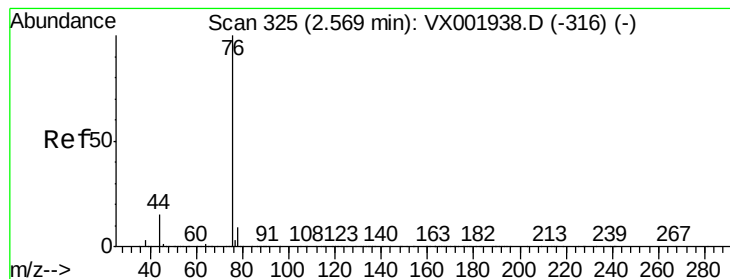
Tgt Ion: 43 Resp: 476835

Ion Ratio Lower Upper

43 100

58 29.4 22.3 33.5





#17

Carbon Disulfide

Concen: 47.52 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

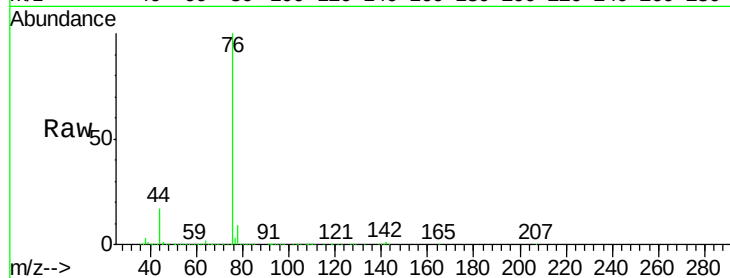
ClientSampled :

Tot Ion: 76 Resp: 413635

Ion Ratio Lower Upper

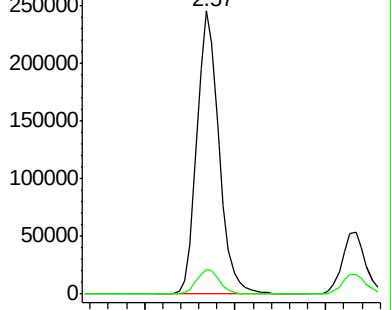
76 100

78 8.9 7.4 11.2

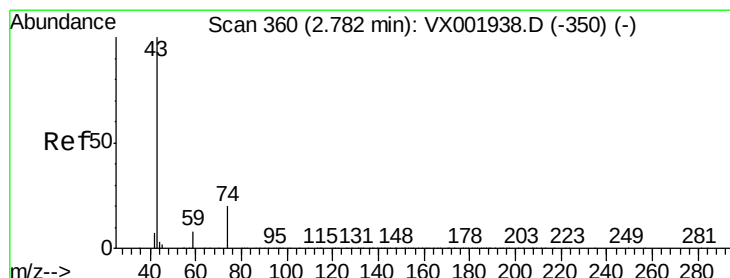
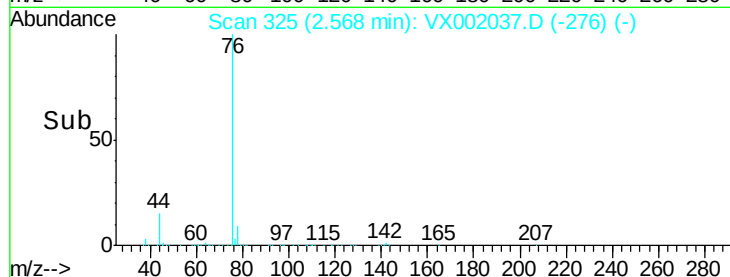


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#18

Methyl Acetate

Concen: 59.32 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002037.D

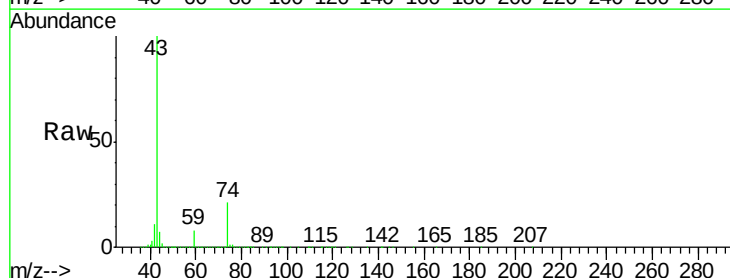
Acq: 26 May 2018 23:26

Tgt Ion: 43 Resp: 254842

Ion Ratio Lower Upper

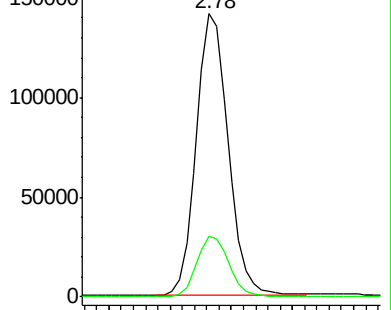
43 100

74 21.5 16.8 25.2

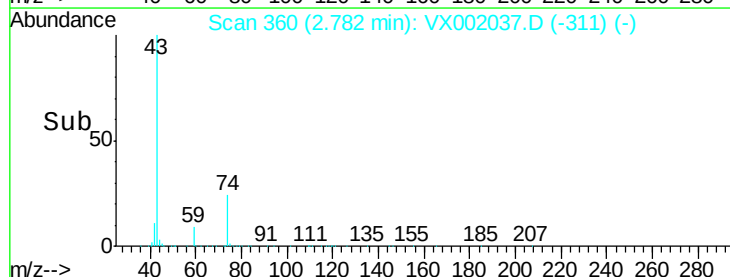


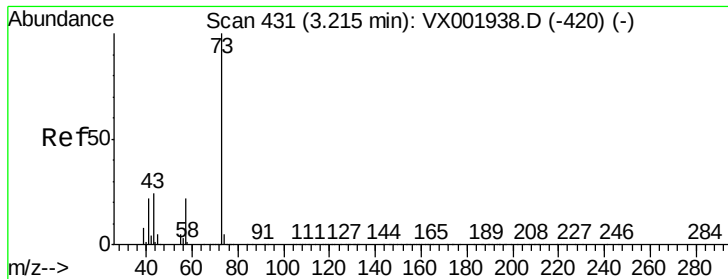
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->

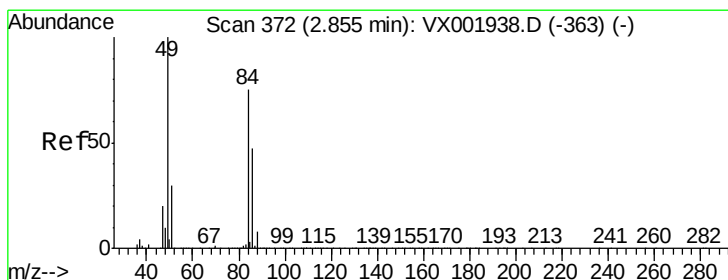
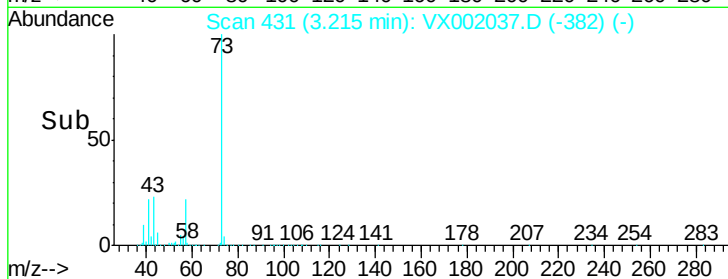
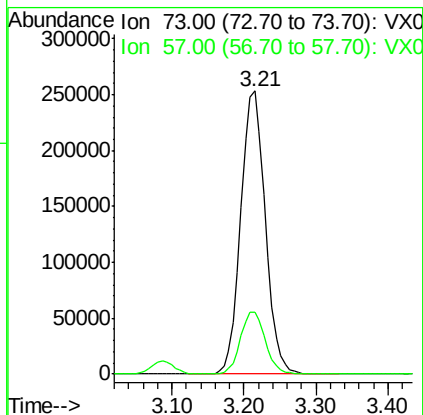
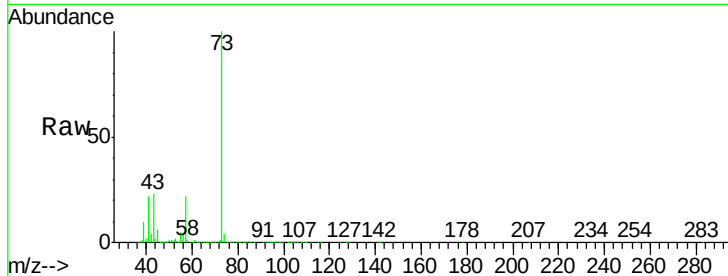




#19
Methyl tert-butyl Ether
Concen: 52.70 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

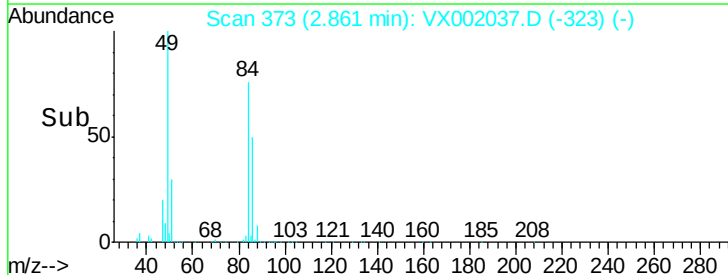
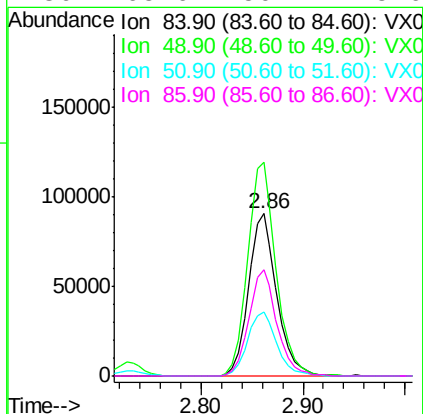
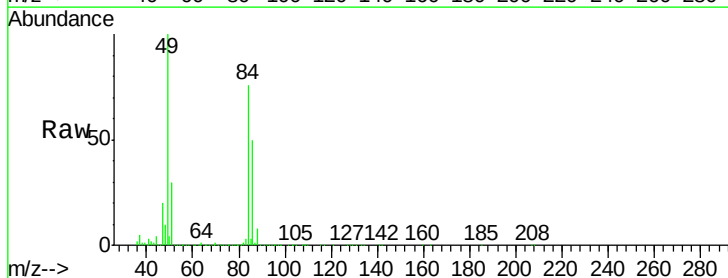
Instrument :
MSVOA_X
ClientSampled :

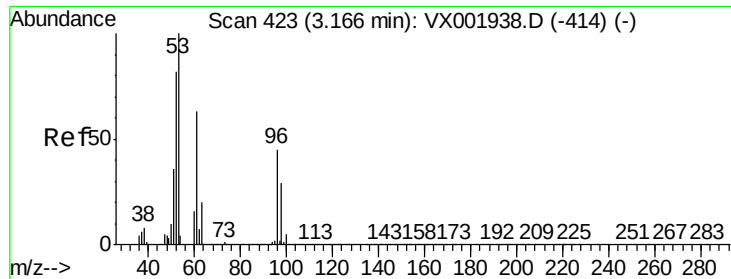
Tot Ion: 73 Resp: 599405
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.0



#20
Methylene Chloride
Concen: 56.12 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion: 84 Resp: 173300
Ion Ratio Lower Upper
84 100
49 131.4 107.2 160.8
51 39.4 32.4 48.6
86 65.6 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 55.73 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

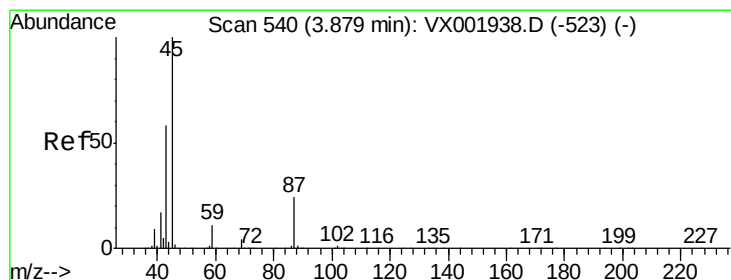
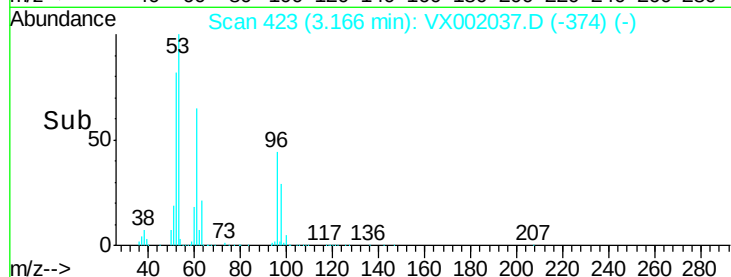
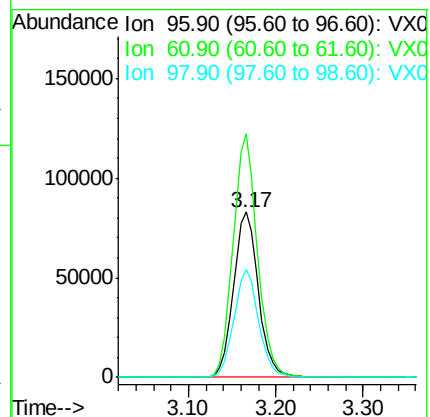
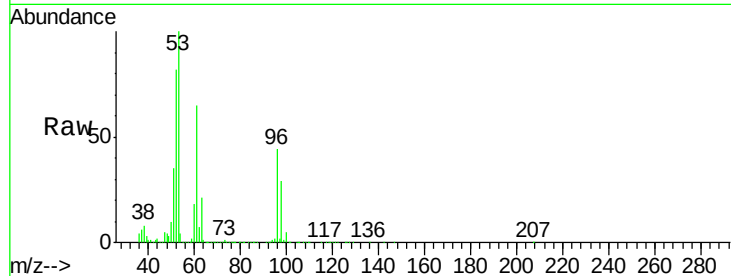
Tot Ion: 96 Resp: 163538

Ion Ratio Lower Upper

96 100

61 147.4 113.3 169.9

98 65.5 51.7 77.5



#22

Diisopropyl ether

Concen: 48.54 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Tgt Ion: 45 Resp: 626764

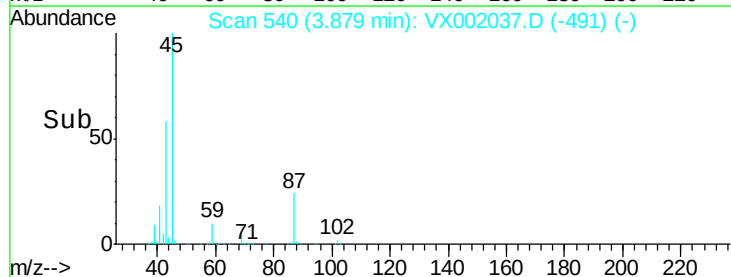
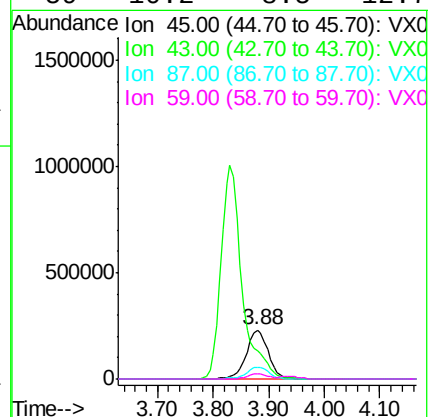
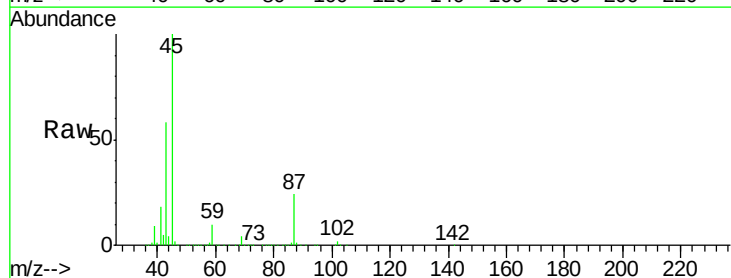
Ion Ratio Lower Upper

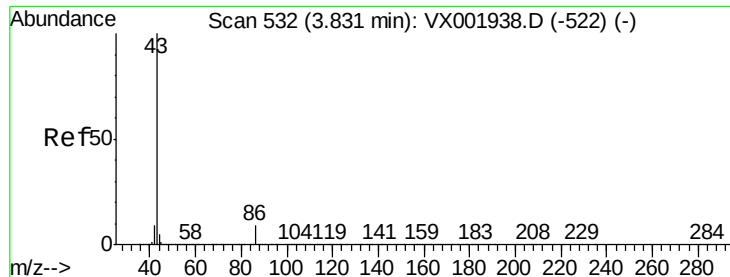
45 100

43 58.0 47.0 70.6

87 24.4 19.4 29.0

59 10.2 8.5 12.7





#23

Vinyl Acetate

Concen: 245.93 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

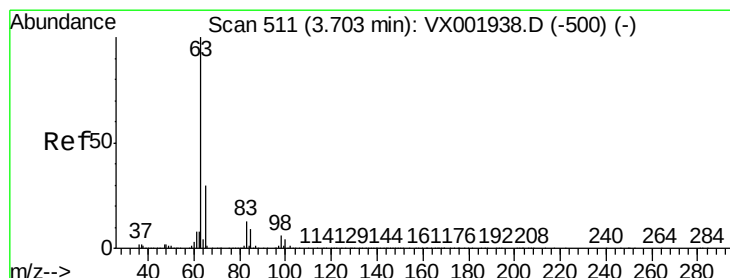
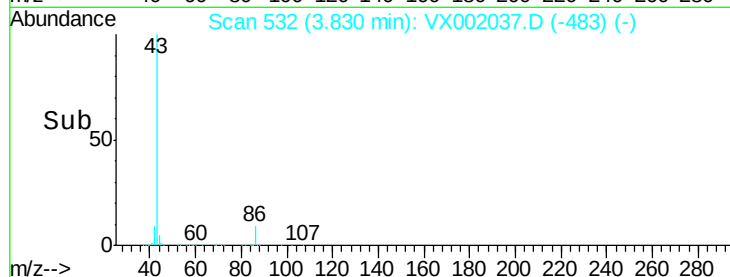
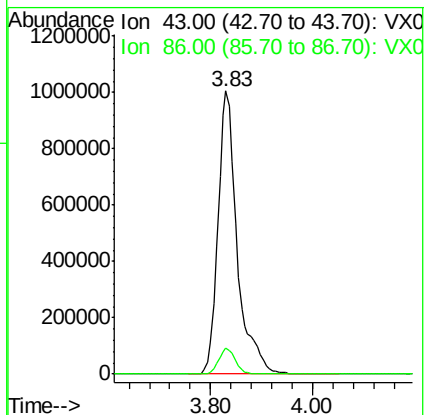
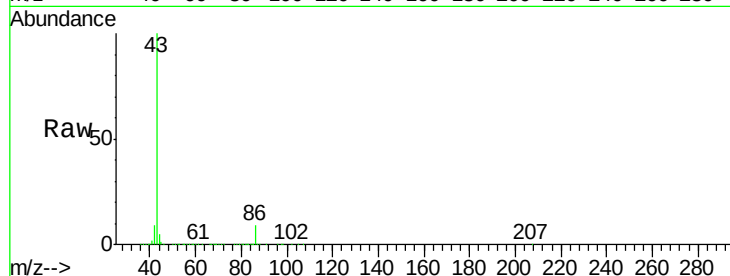
ClientSampleId :

Tot Ion: 43 Resp: 2632899

Ion Ratio Lower Upper

43 100

86 9.2 7.6 11.4



#24

1,1-Dichloroethane

Concen: 50.78 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

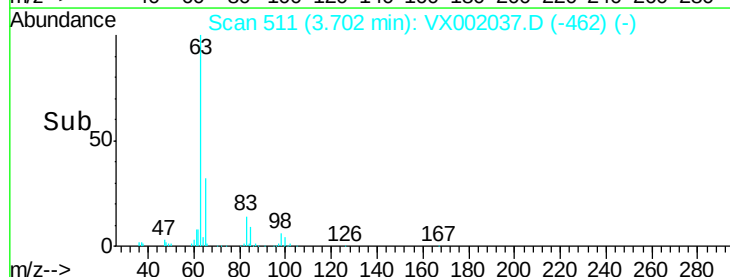
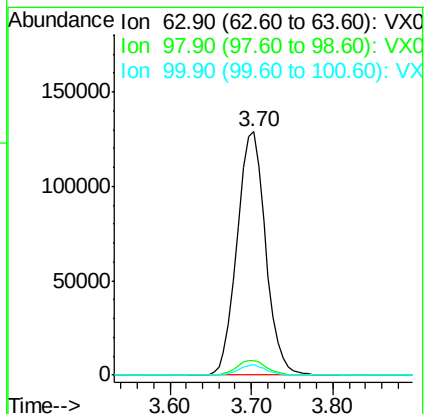
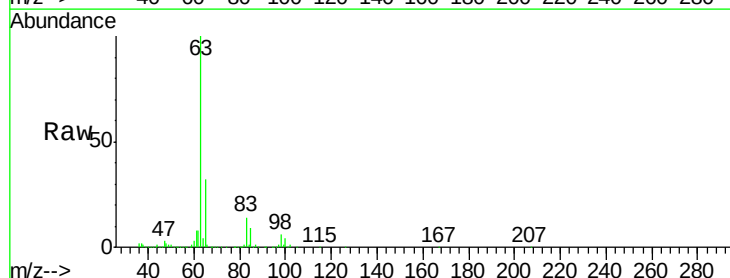
Tgt Ion: 63 Resp: 311475

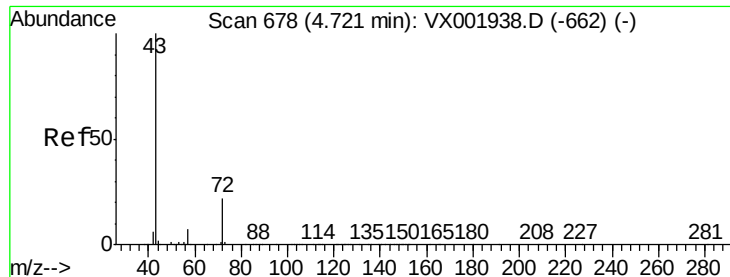
Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 229.19 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

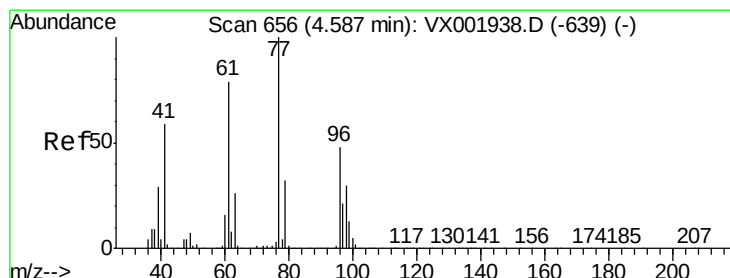
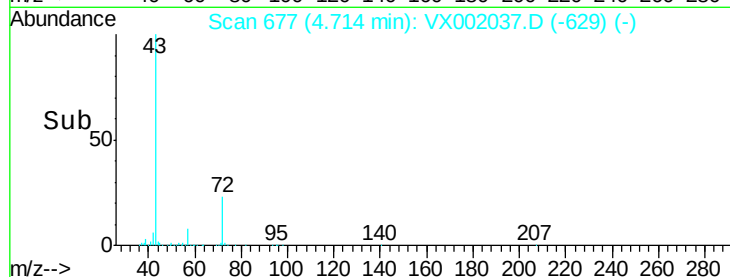
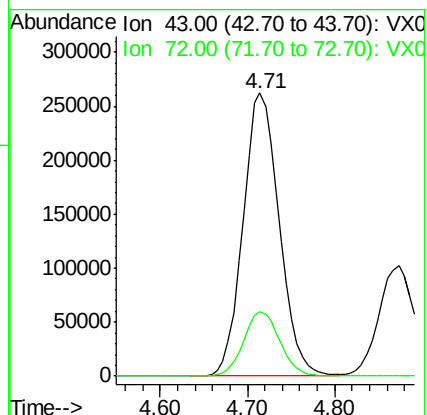
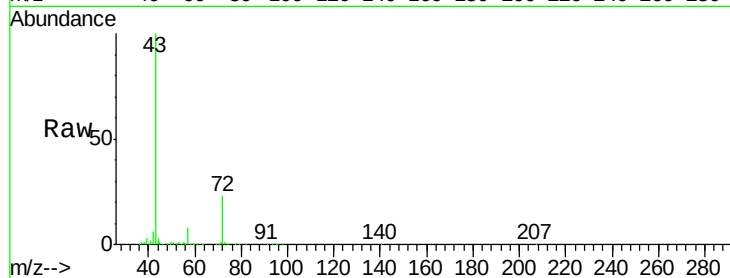
ClientSampled :

Tot Ion: 43 Resp: 751866

Ion Ratio Lower Upper

43 100

72 23.0 17.9 26.9



#26

2,2-Dichloropropane

Concen: 32.43 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX002037.D

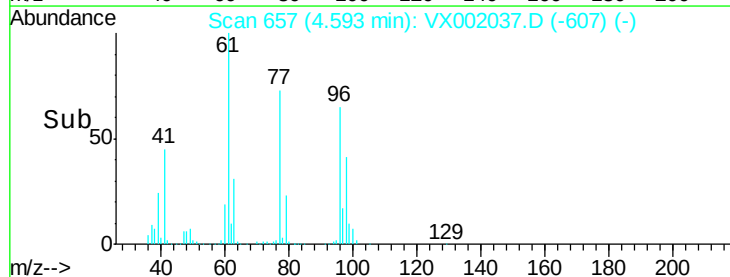
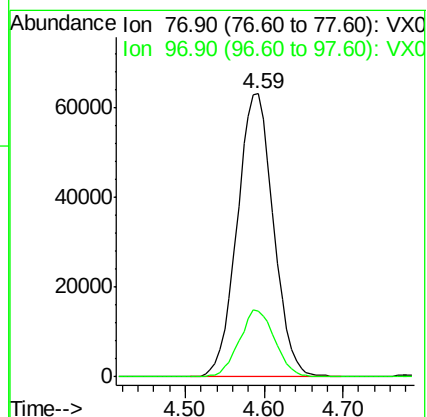
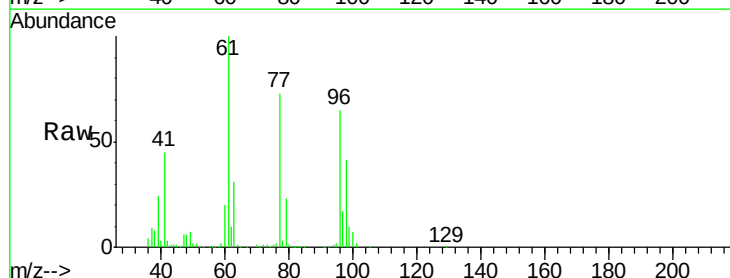
Acq: 26 May 2018 23:26

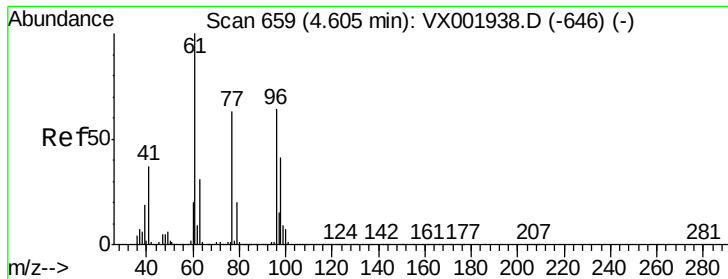
Tgt Ion: 77 Resp: 201340

Ion Ratio Lower Upper

77 100

97 23.4 11.2 33.5



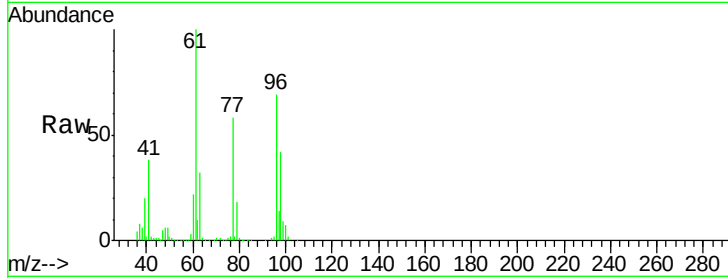


#27

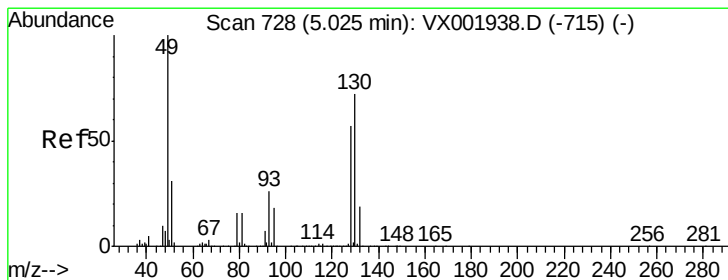
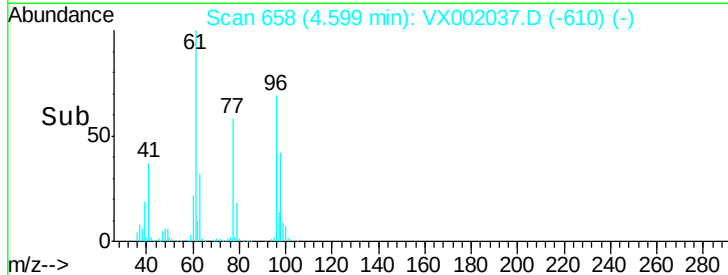
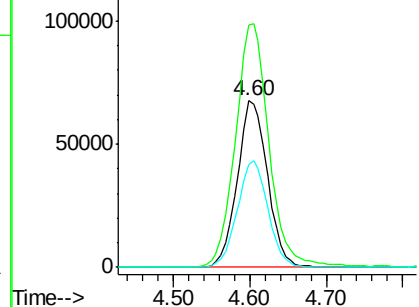
cis-1,2-Dichloroethene
Concen: 46.77 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.7	0.0	348.4
98	64.8	0.0	128.6



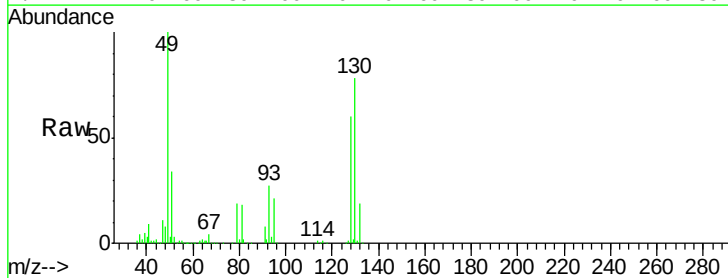
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



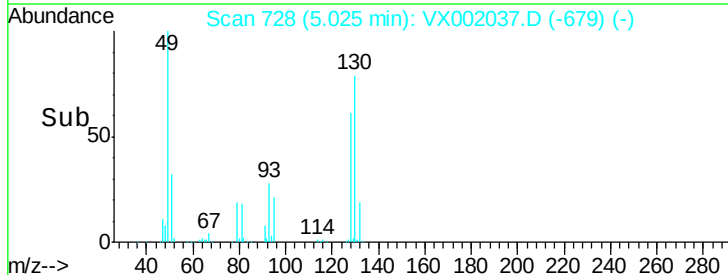
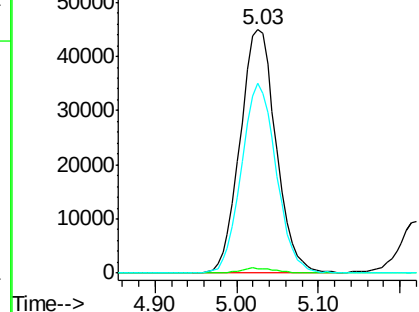
#28

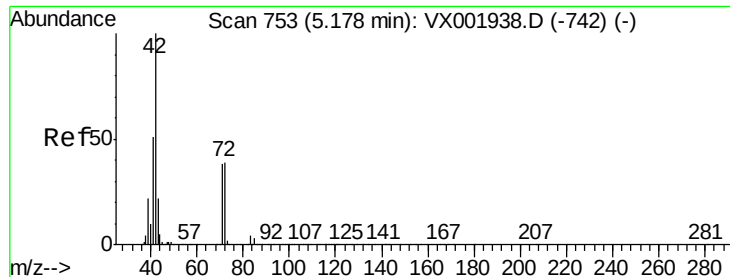
Bromochloromethane
Concen: 53.45 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	75.6	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: 227.99 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

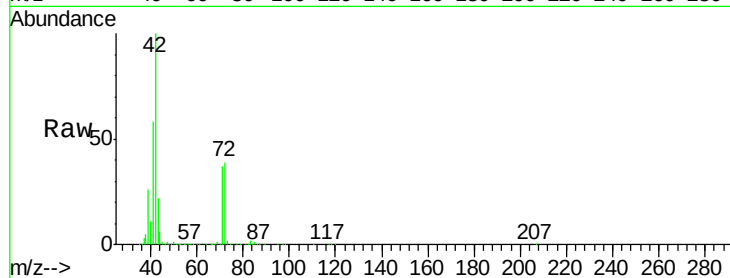
Tot Ion: 42 Resp: 486615

Ion Ratio Lower Upper

42 100

72 39.6 31.4 47.0

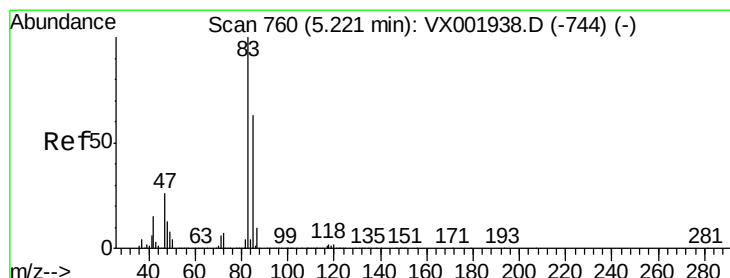
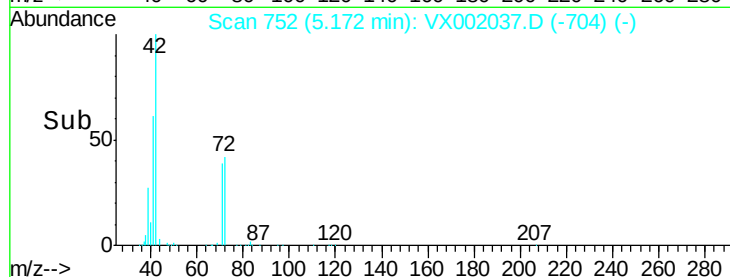
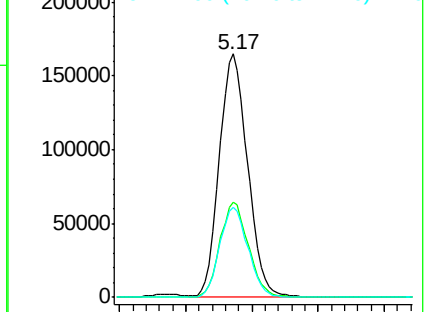
71 37.3 29.5 44.3



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 46.52 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX002037.D

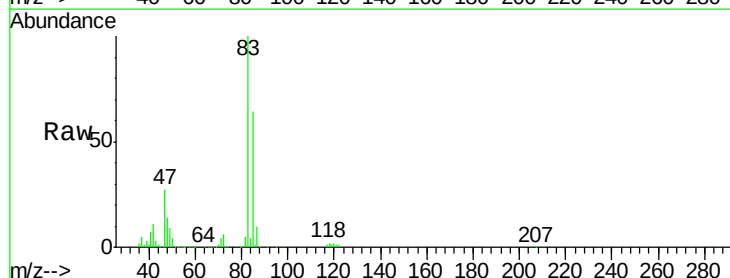
Acq: 26 May 2018 23:26

Tgt Ion: 83 Resp: 321443

Ion Ratio Lower Upper

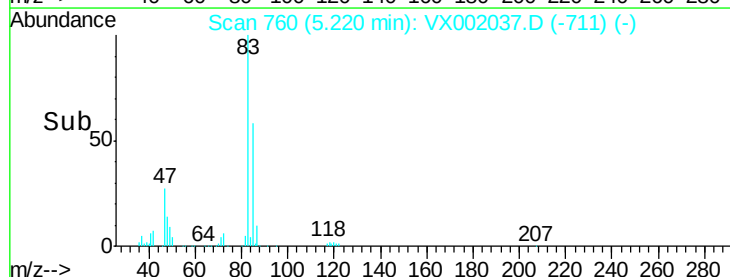
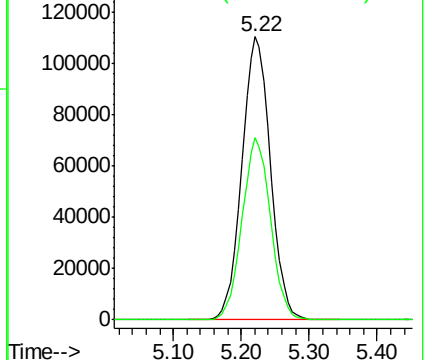
83 100

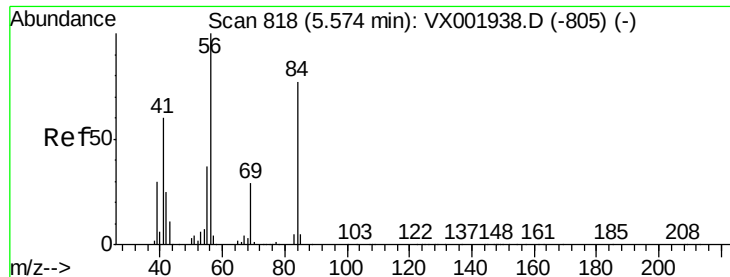
85 64.2 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

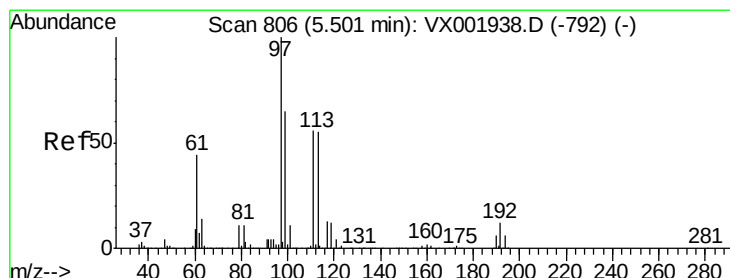
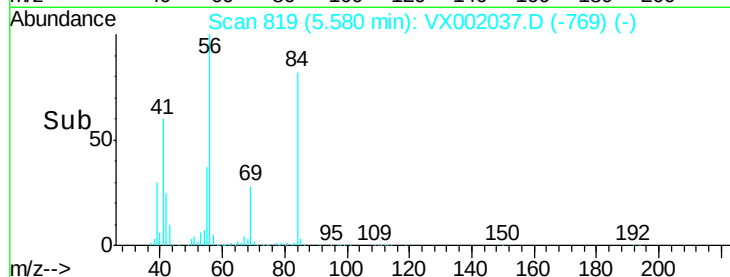
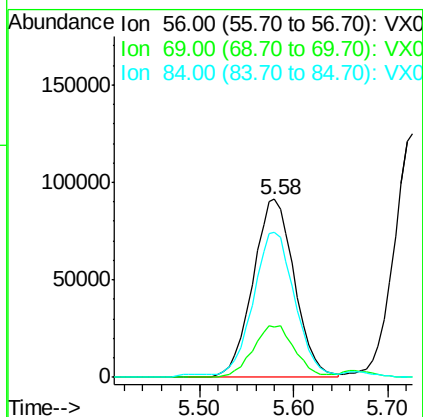
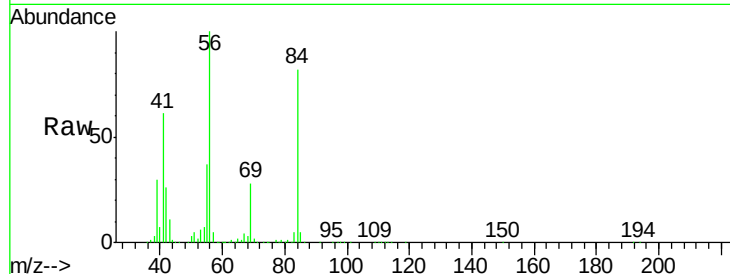




#31
Cyclohexane
Concen: 43.92 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

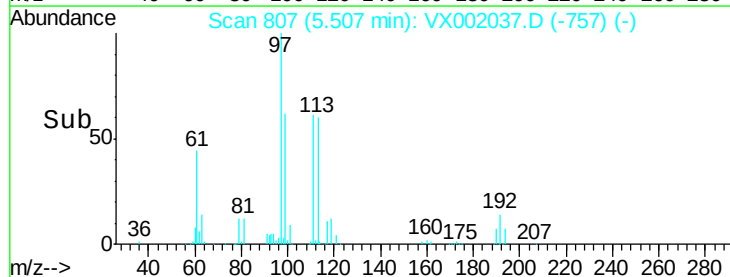
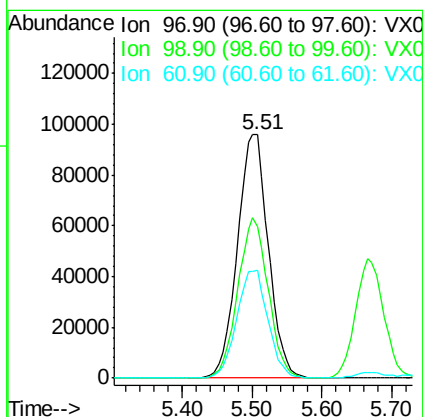
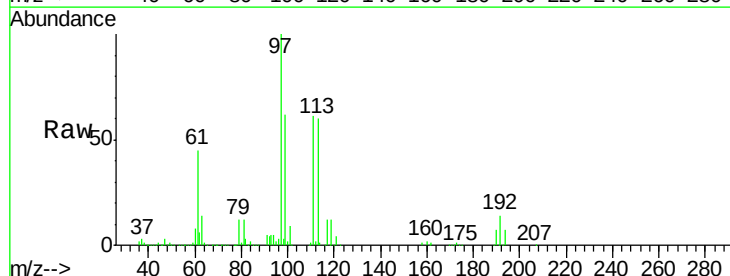
Instrument :
MSVOA_X
ClientSampleId :

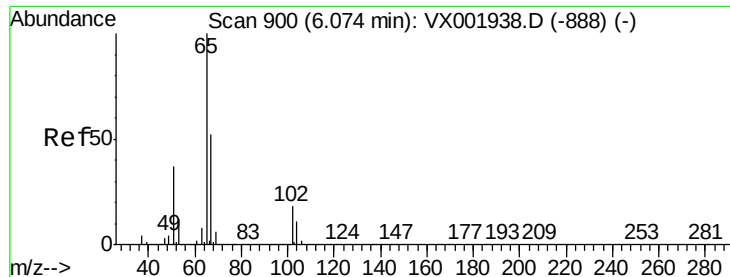
Tot Ion: 56 Resp: 280658
Ion Ratio Lower Upper
56 100
69 28.2 23.1 34.7
84 80.3 62.0 93.0



#32
1,1,1-Trichloroethane
Concen: 45.66 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion: 97 Resp: 294177
Ion Ratio Lower Upper
97 100
99 64.5 51.9 77.9
61 44.9 35.9 53.9

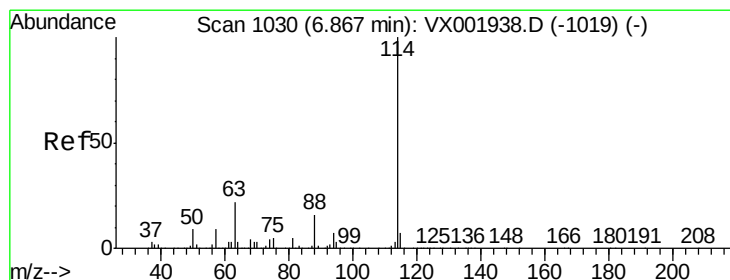
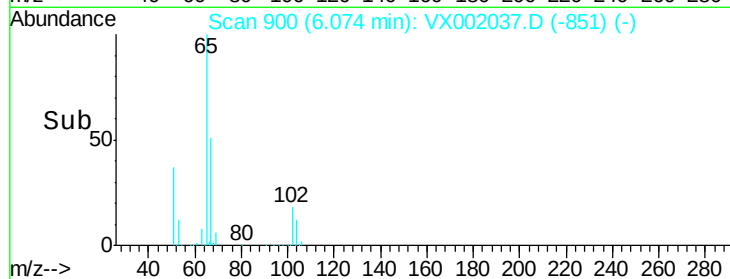
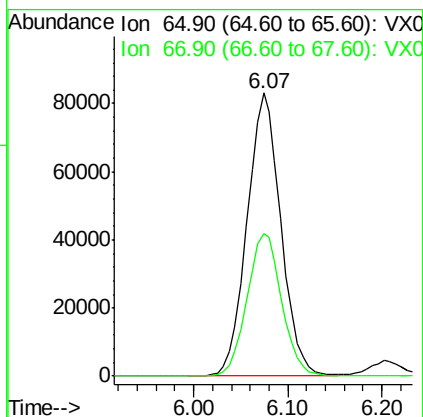
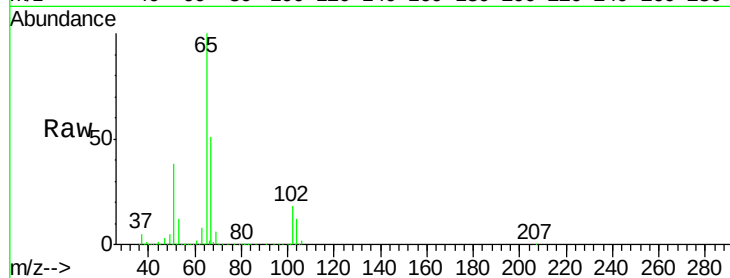




#33
 1,2-Dichloroethane-d4
 Concen: 45.03 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

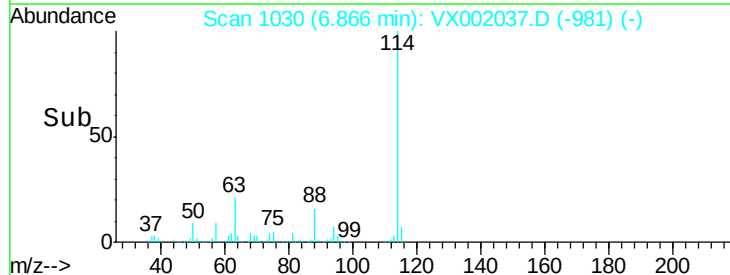
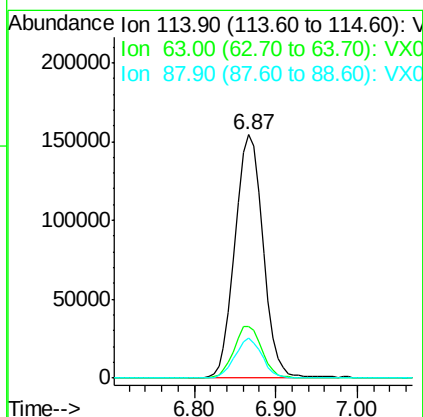
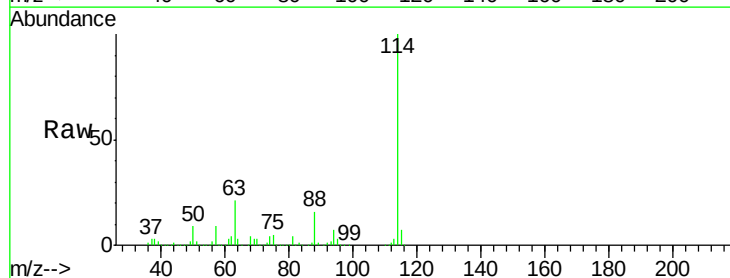
Instrument :
 MSVOA_X
 ClientSampleId :

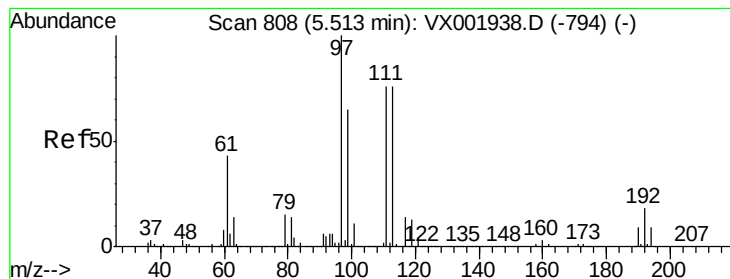
Tot Ion: 65 Resp: 208825
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

Tgt Ion: 114 Resp: 368647
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.2
 88 16.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 44.32 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

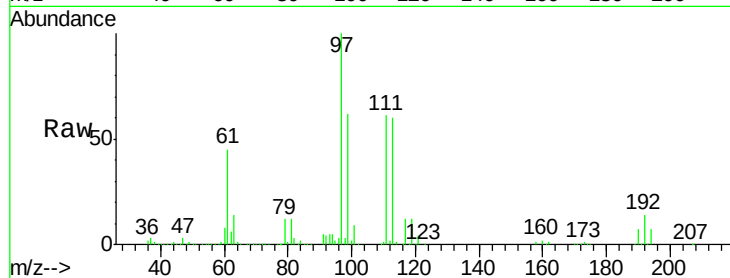
Tot Ion:113 Resp: 163392

Ion Ratio Lower Upper

113 100

111 103.4 82.0 123.0

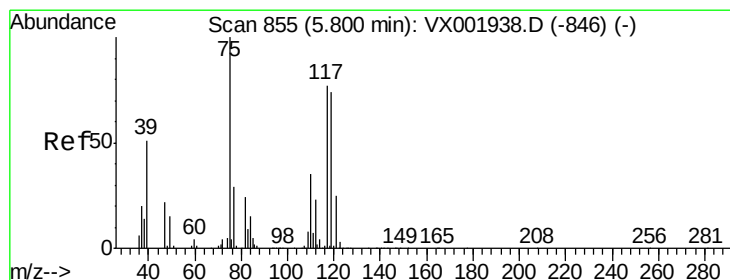
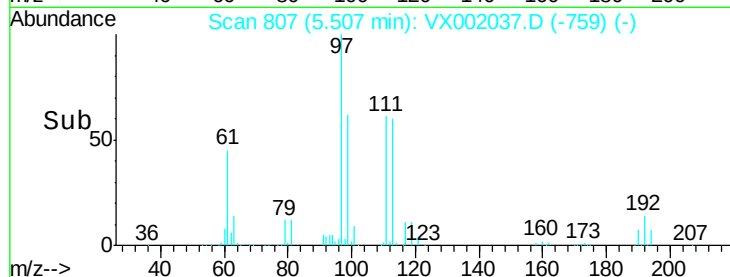
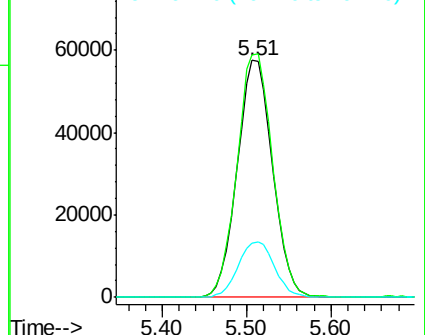
192 24.1 18.9 28.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 45.20 ug/l

RT: 5.81 min Scan# 856

Delta R.T. 0.01 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

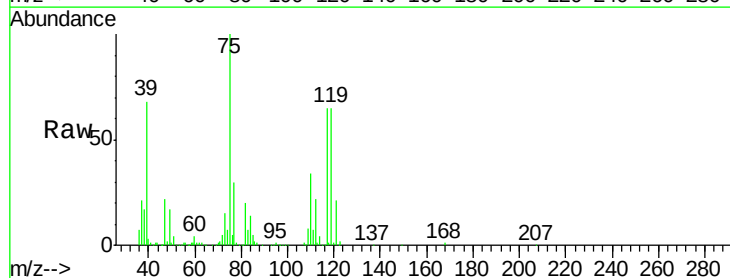
Tgt Ion: 75 Resp: 231772

Ion Ratio Lower Upper

75 100

110 35.8 17.4 52.2

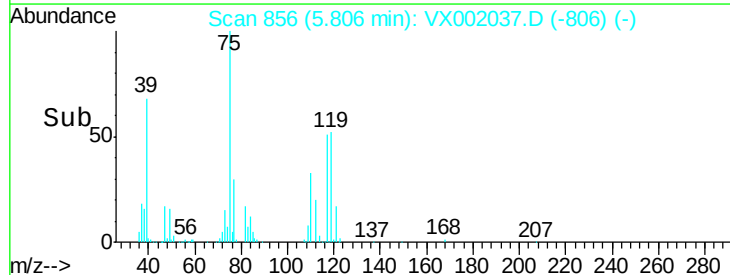
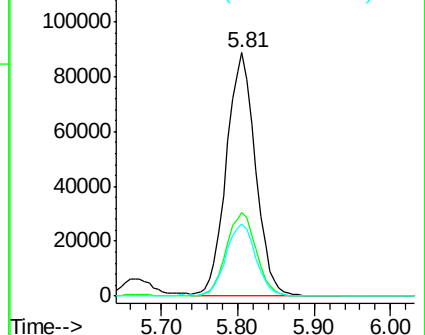
77 30.3 24.4 36.6

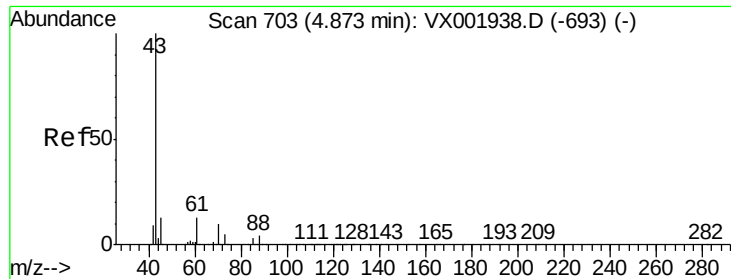


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

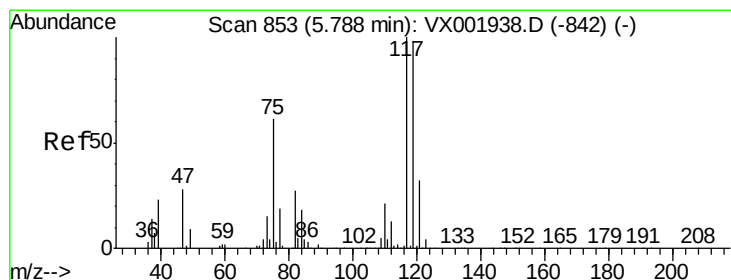
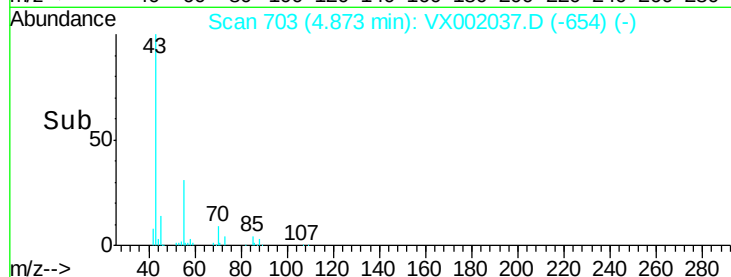
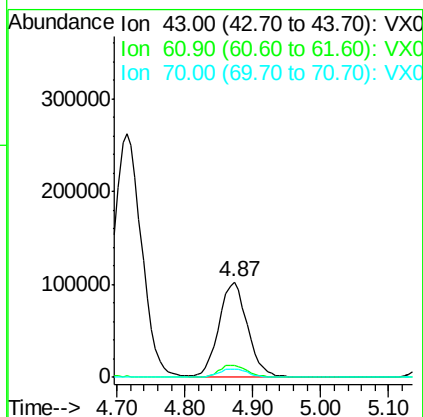
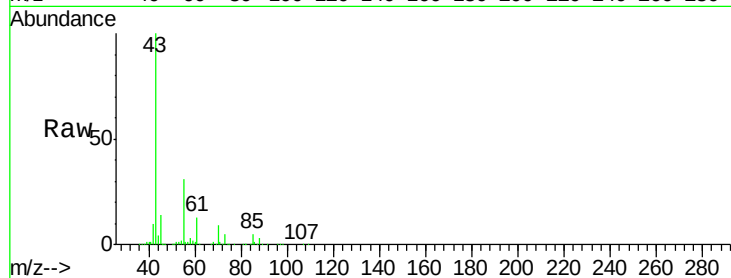




#37
Ethyl Acetate
Concen: 44.31 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

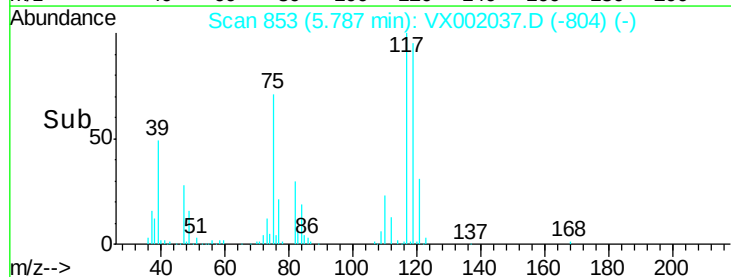
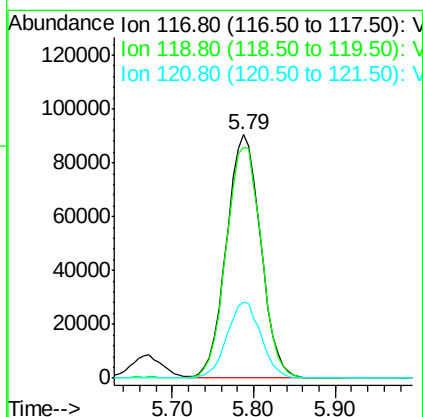
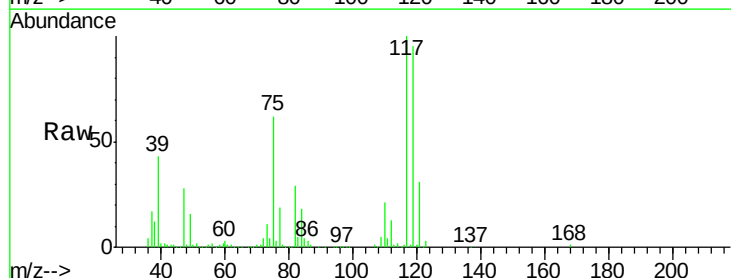
Instrument :
MSVOA_X
ClientSampleId :

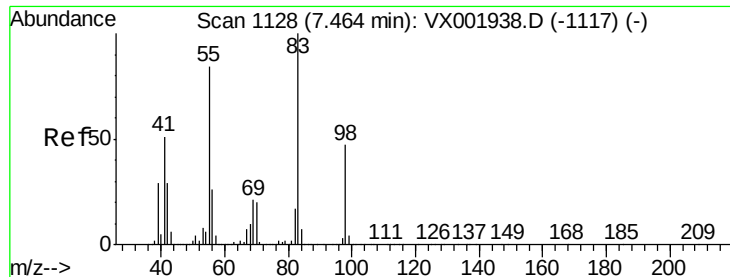
Tot Ion: 43 Resp: 296249
Ion Ratio Lower Upper
43 100
61 12.8 10.2 15.2
70 9.5 7.8 11.8



#38
Carbon Tetrachloride
Concen: 43.81 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion: 117 Resp: 261973
Ion Ratio Lower Upper
117 100
119 94.5 78.5 117.7
121 31.1 25.5 38.3

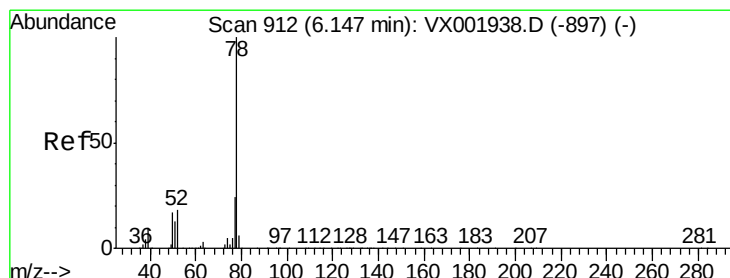
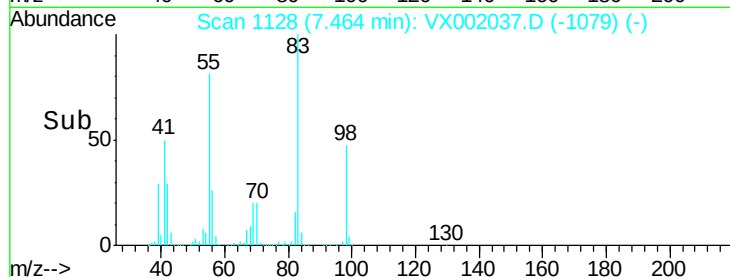
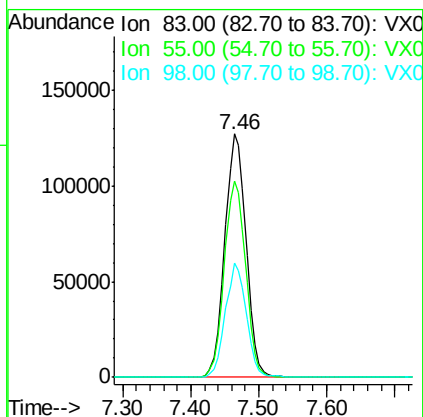
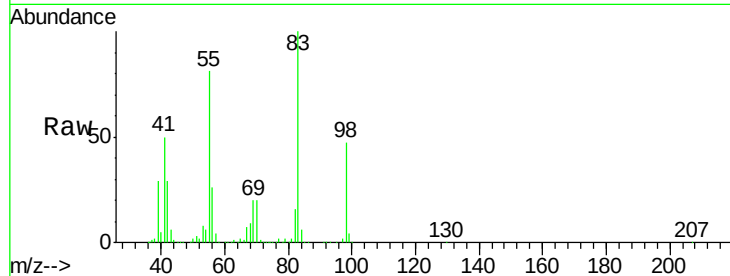




#39
Methylvlcyclohexane
Concen: 43.97 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

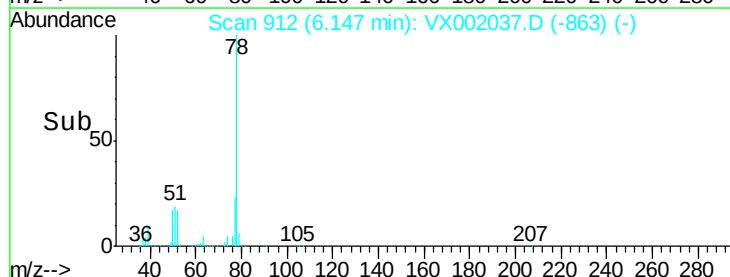
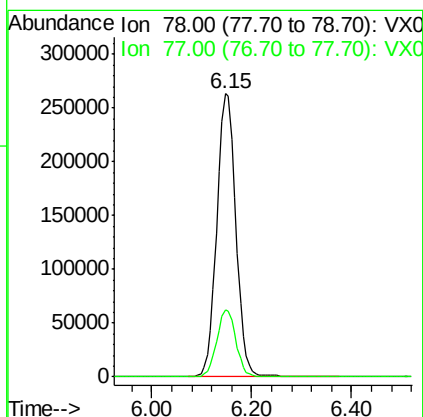
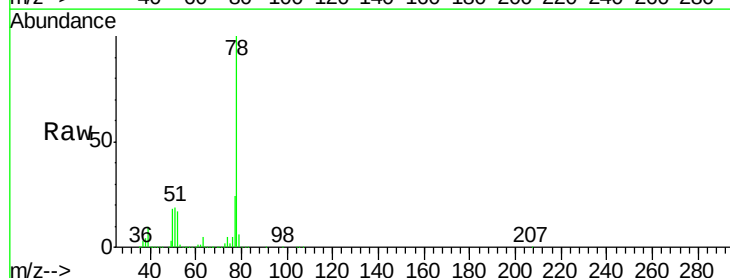
Instrument :
MSVOA_X
ClientSampleId :

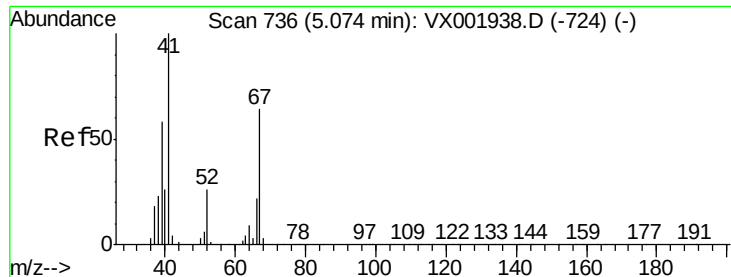
Tot Ion: 83 Resp: 277017
Ion Ratio Lower Upper
83 100
55 80.7 67.3 100.9
98 47.0 37.5 56.3



#40
Benzene
Concen: 46.54 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion: 78 Resp: 699178
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7

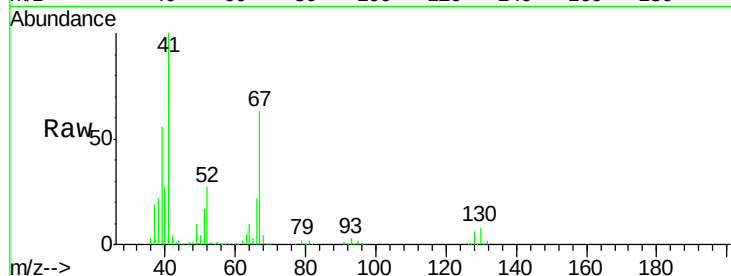




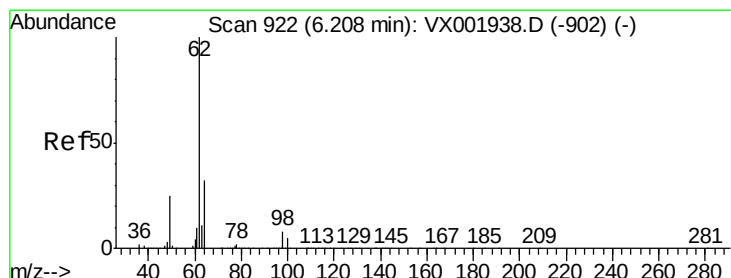
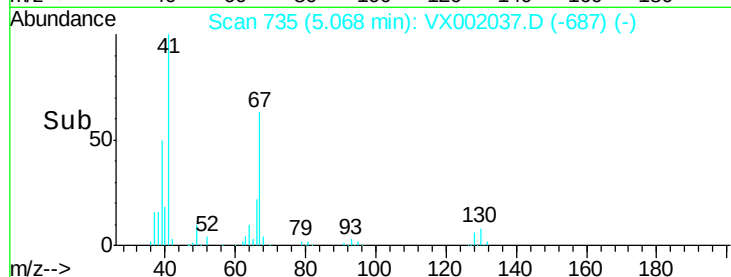
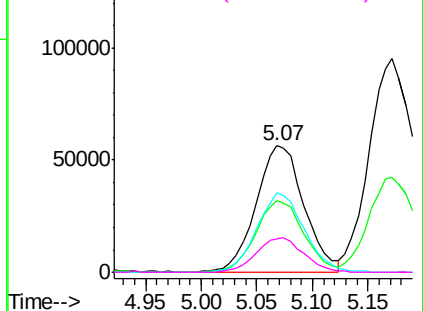
#41
Methacrylonitrile
Concen: 47.51 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	41	Resp:	167827
Ion	Ratio	Lower	Upper
41	100		
39	56.5	46.0	69.0
67	62.5	50.6	75.8
52	27.4	21.9	32.9

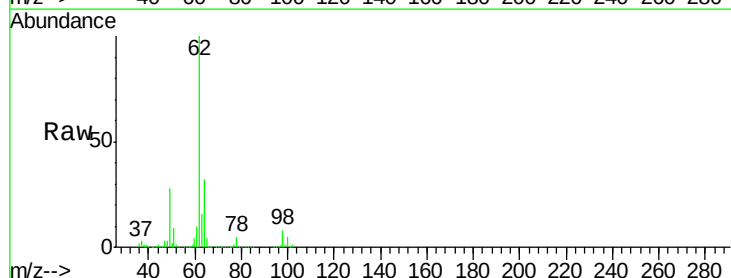


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

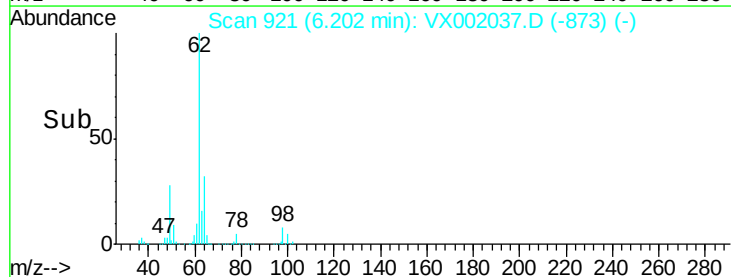
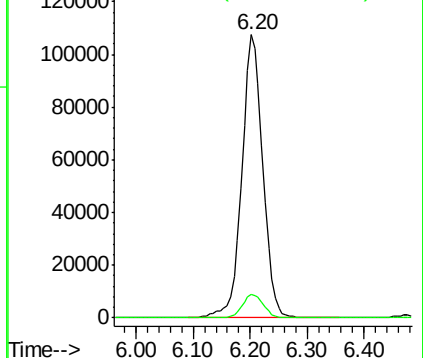


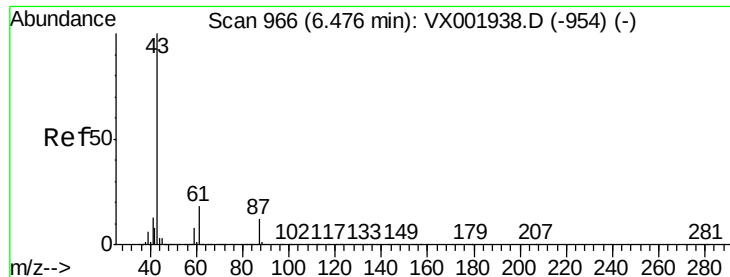
#42
1,2-Dichloroethane
Concen: 45.80 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion:	62	Resp:	274851
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.0



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





#43

Isopropyl Acetate

Concen: 45.06 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

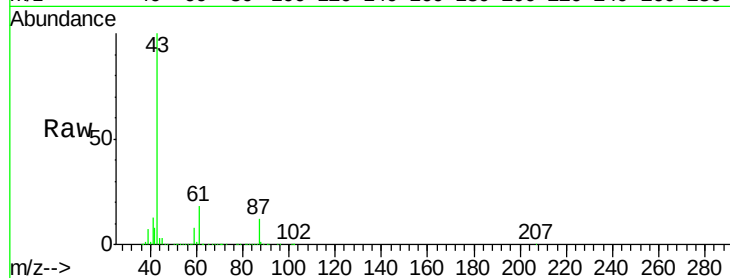
Tot Ion: 43 Resp: 501880

Ion Ratio Lower Upper

43 100

61 18.0 14.5 21.7

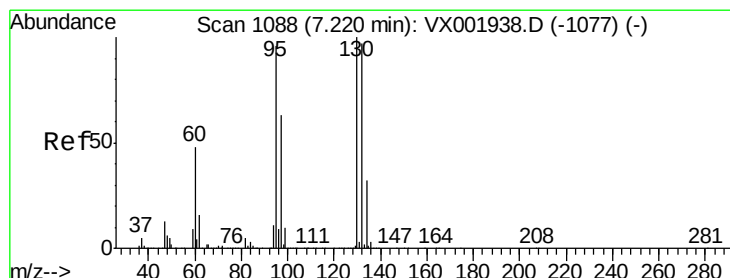
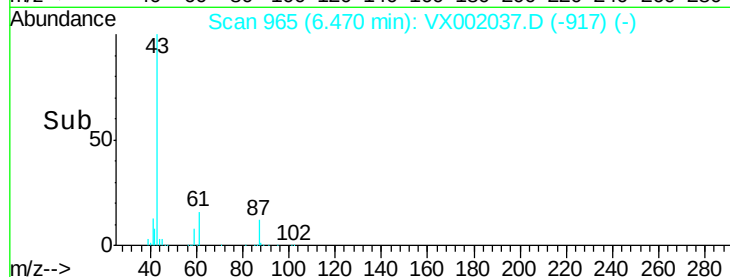
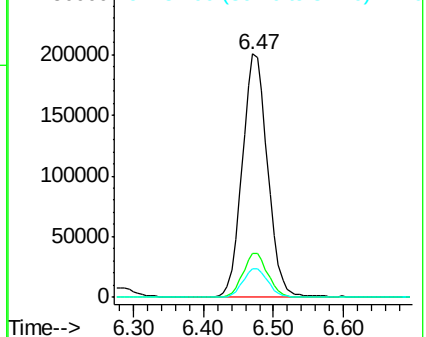
87 11.9 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 44.94 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX002037.D

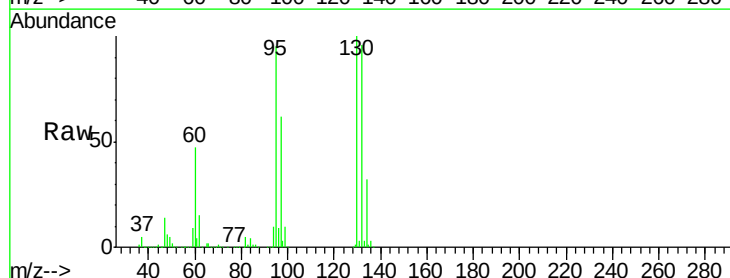
Acq: 26 May 2018 23:26

Tgt Ion:130 Resp: 196728

Ion Ratio Lower Upper

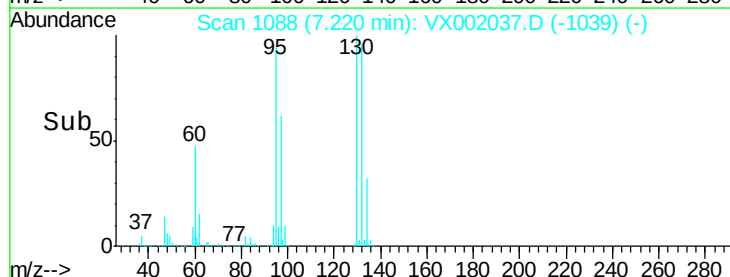
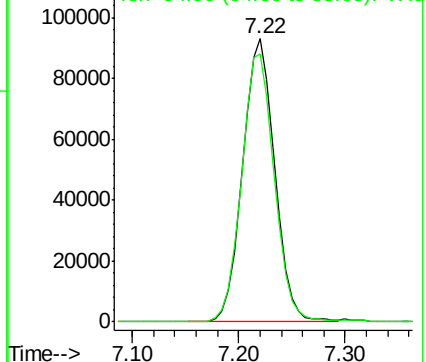
130 100

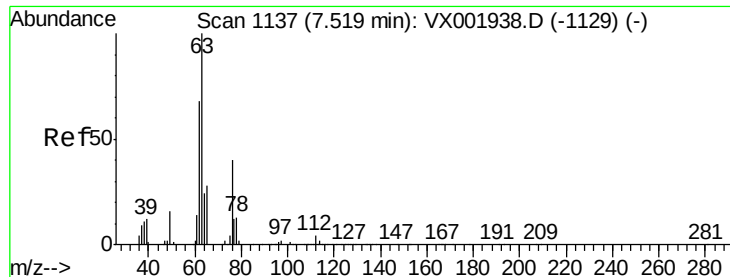
95 94.5 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 46.65 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

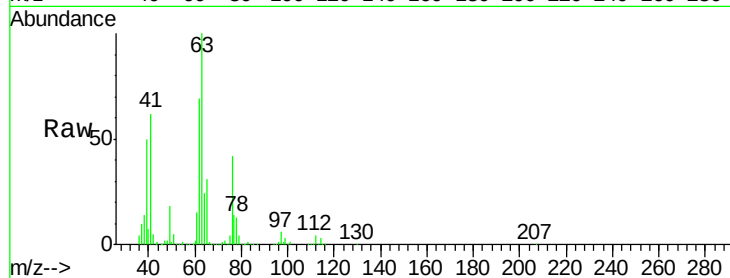
ClientSampleId :

Tot Ion: 63 Resp: 190323

Ion Ratio Lower Upper

63 100

65 30.9 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

100000

80000

60000

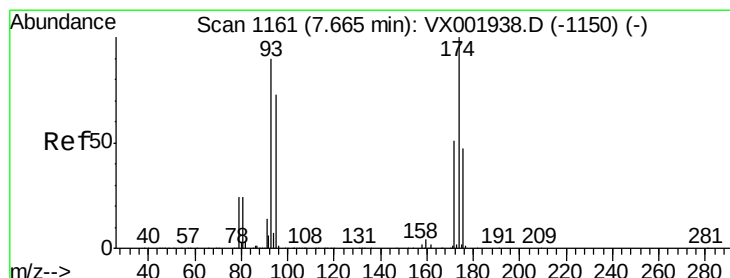
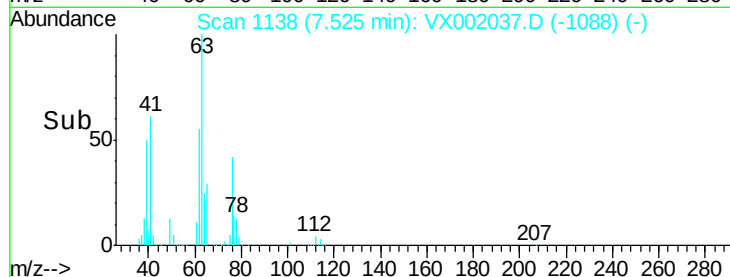
40000

20000

0

Time-->

7.40 7.50 7.60 7.70



#46

Dibromomethane

Concen: 46.46 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

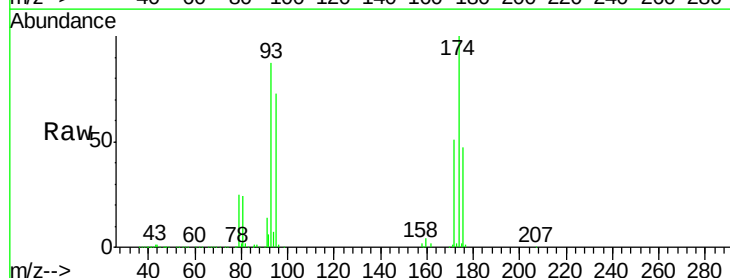
Tgt Ion: 93 Resp: 125503

Ion Ratio Lower Upper

93 100

95 83.6 66.1 99.1

174 116.8 92.5 138.7



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

100000

80000

60000

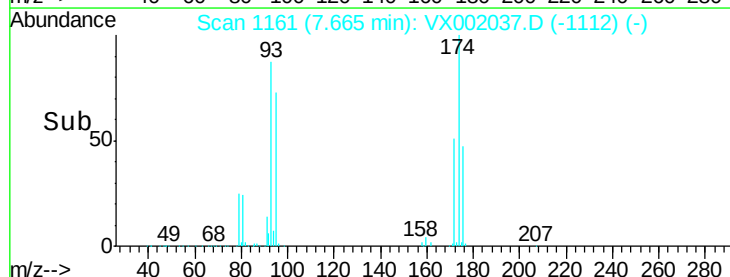
40000

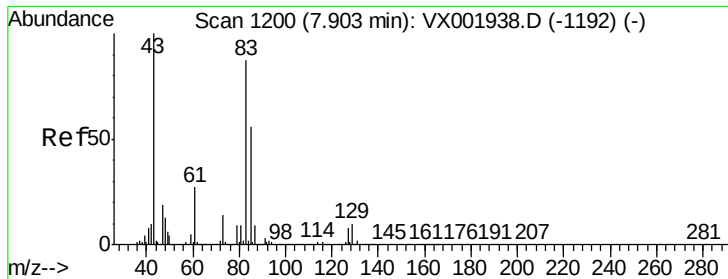
20000

0

Time-->

7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 44.37 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampled :

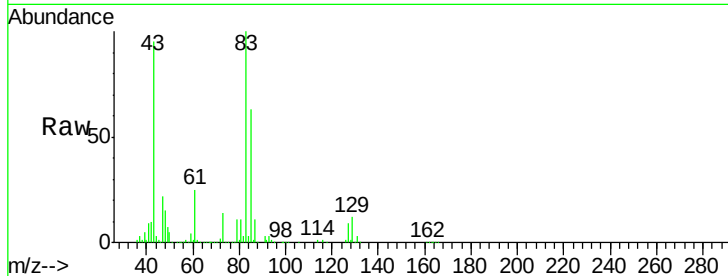
Tot Ion: 83 Resp: 255558

Ion Ratio Lower Upper

83 100

85 63.3 51.4 77.2

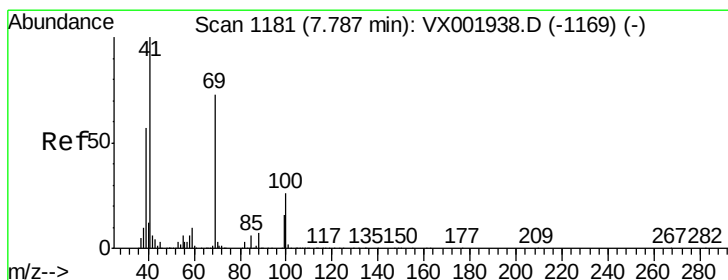
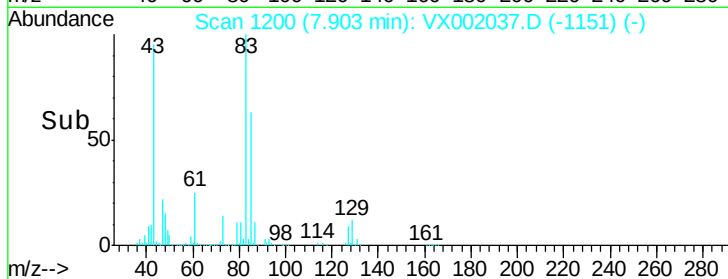
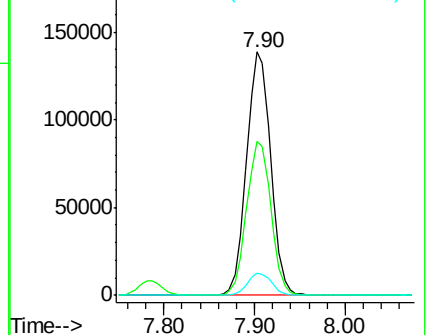
127 9.1 7.1 10.7



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: 44.87 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

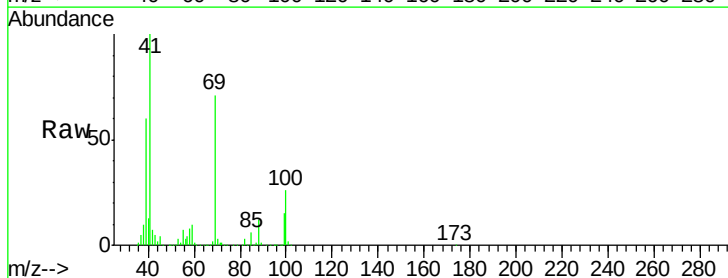
Tgt Ion: 41 Resp: 254391

Ion Ratio Lower Upper

41 100

69 72.2 58.6 87.8

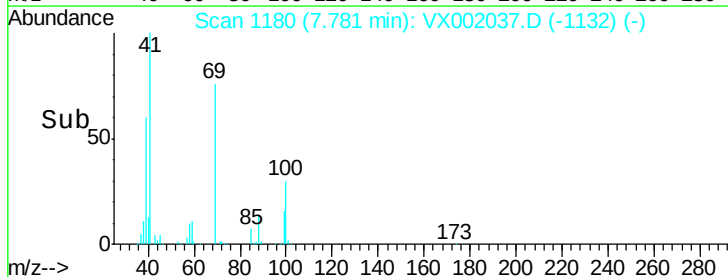
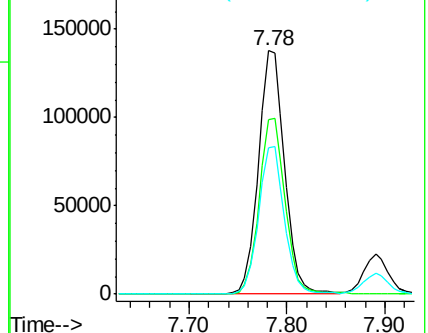
39 59.8 46.3 69.5

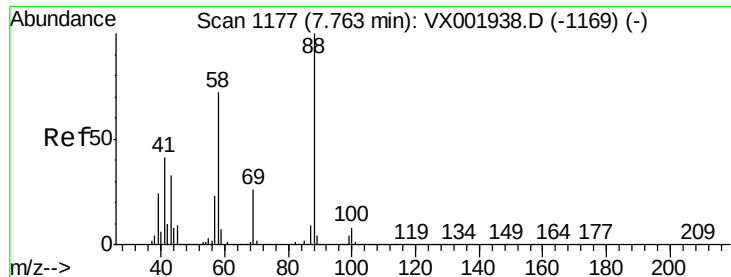


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 939.43 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

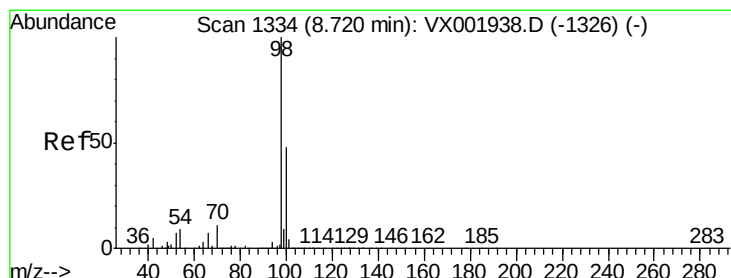
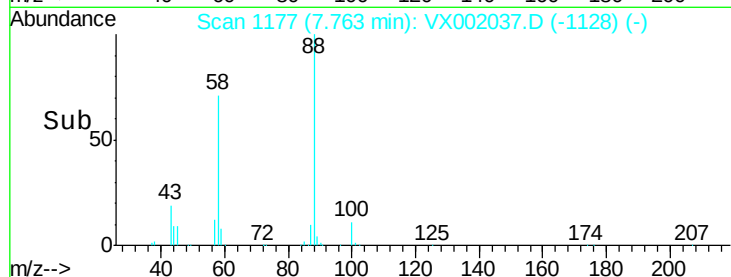
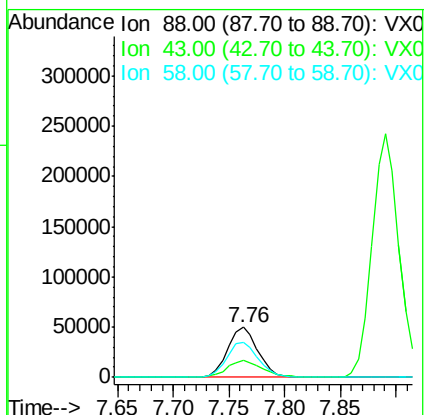
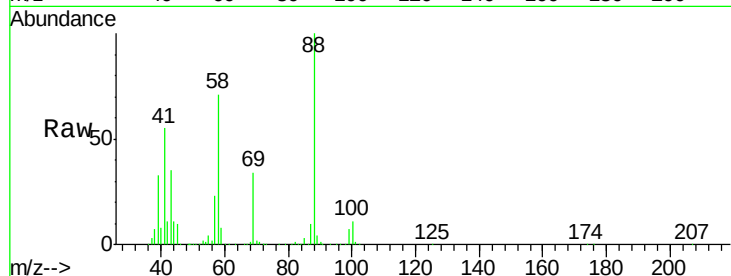
Tot Ion: 88 Resp: 93850

Ion Ratio Lower Upper

88 100

43 38.0 29.8 44.8

58 74.2 58.7 88.1



#50

Toluene-d8

Concen: 45.75 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002037.D

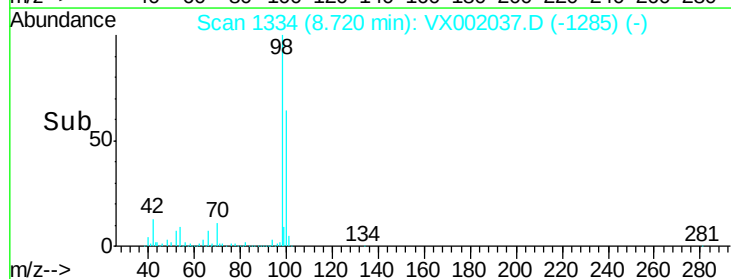
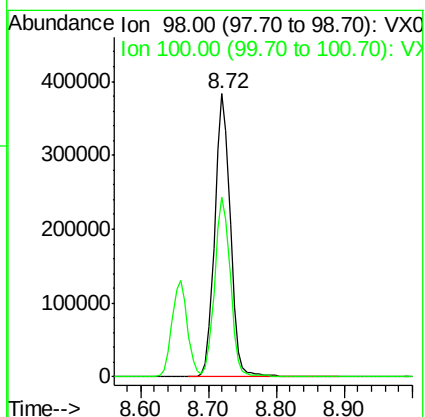
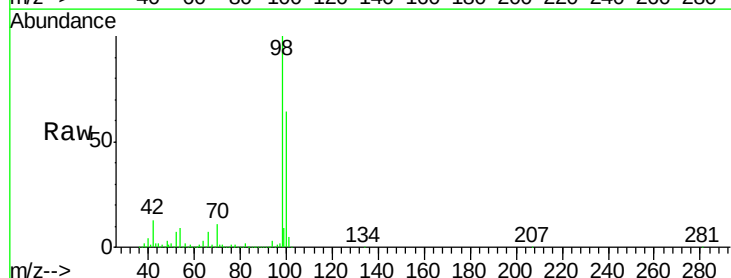
Acq: 26 May 2018 23:26

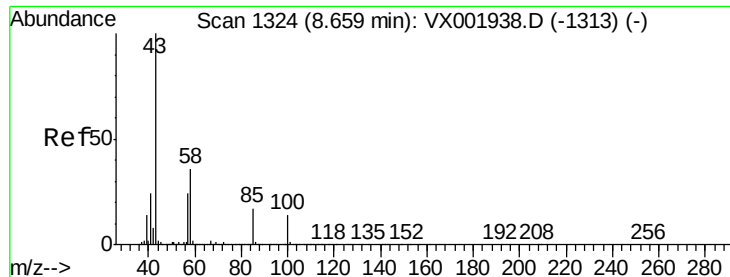
Tgt Ion: 98 Resp: 610644

Ion Ratio Lower Upper

98 100

100 63.9 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 233.38 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

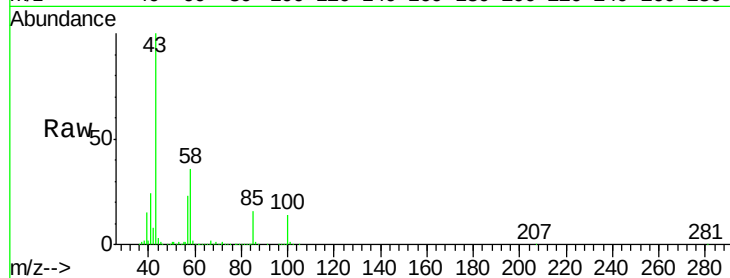
ClientSampleId :

Tot Ion: 43 Resp: 1567089

Ion Ratio Lower Upper

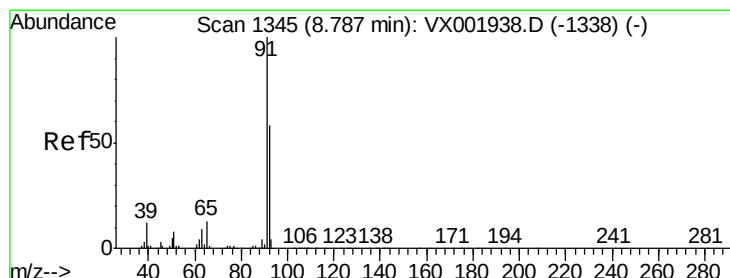
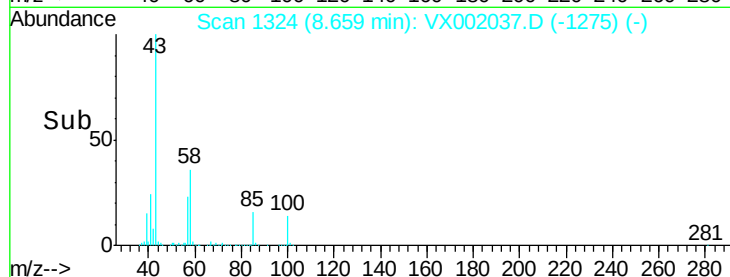
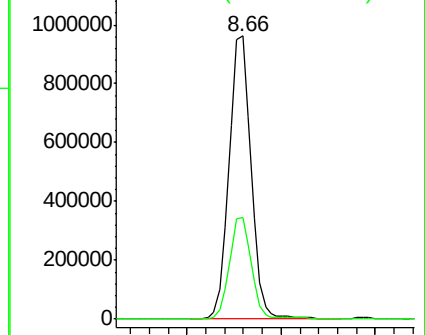
43 100

58 35.4 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 46.55 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002037.D

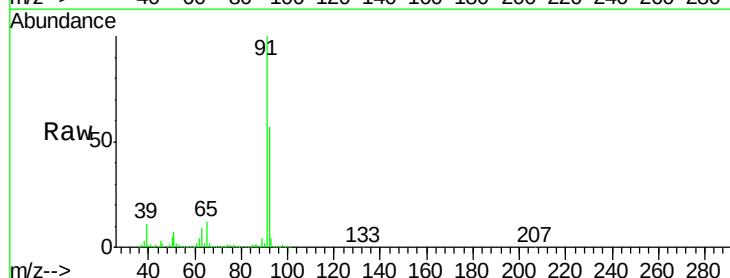
Acq: 26 May 2018 23:26

Tgt Ion: 92 Resp: 445070

Ion Ratio Lower Upper

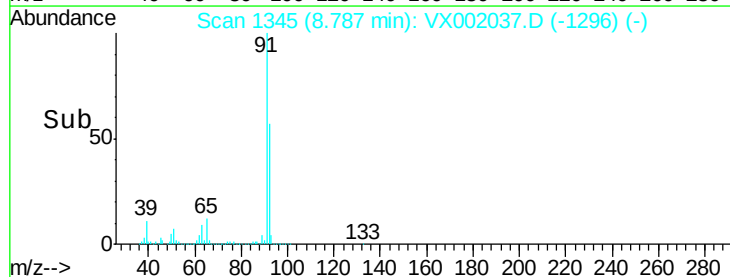
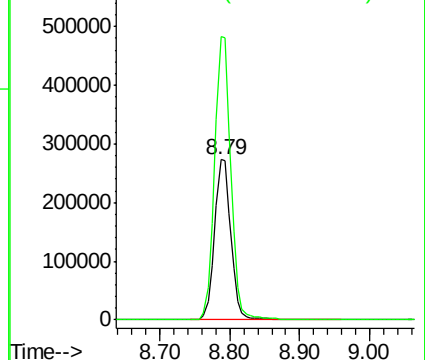
92 100

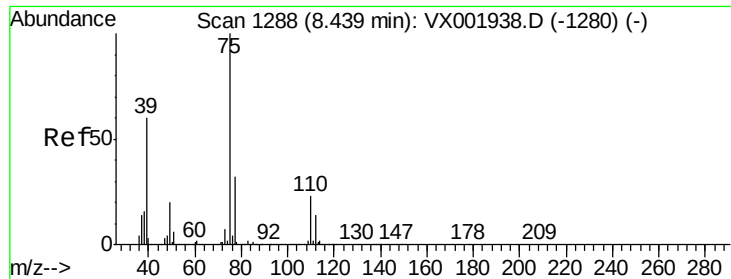
91 175.9 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 43.32 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

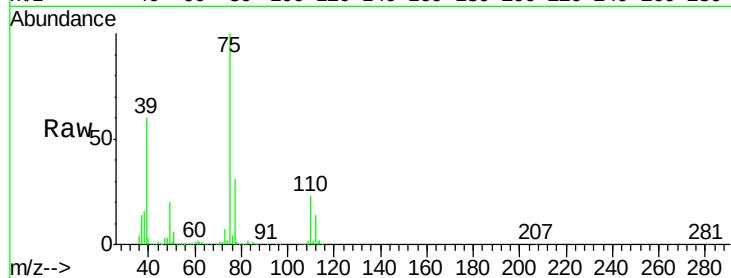
ClientSampleId :

Tot Ion: 75 Resp: 287357

Ion Ratio Lower Upper

75 100

77 31.0 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

200000

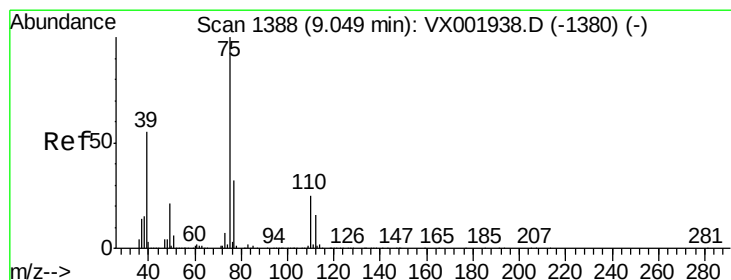
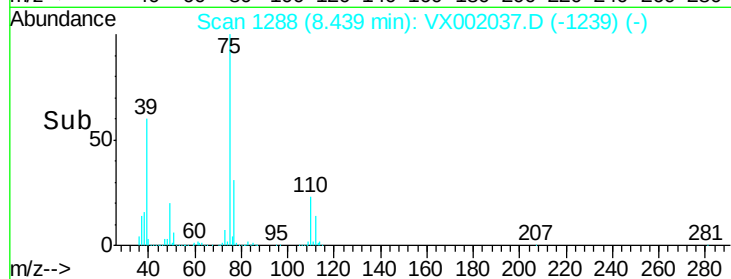
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 43.51 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

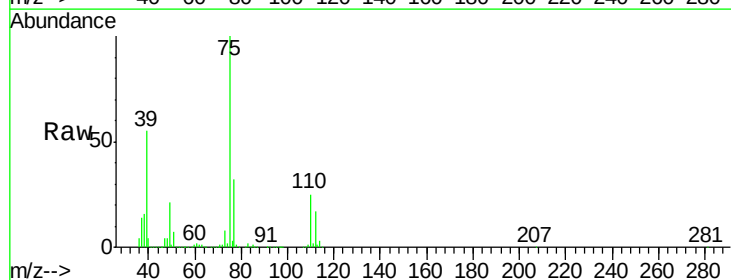
Tgt Ion: 75 Resp: 281253

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 54.8 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

9.05

250000

200000

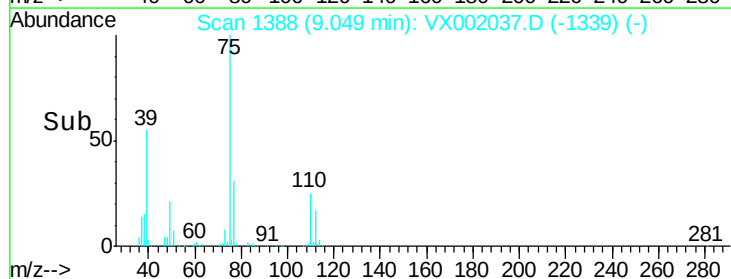
150000

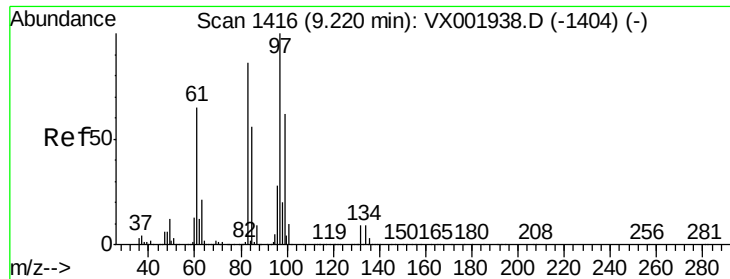
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 46.26 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 184740

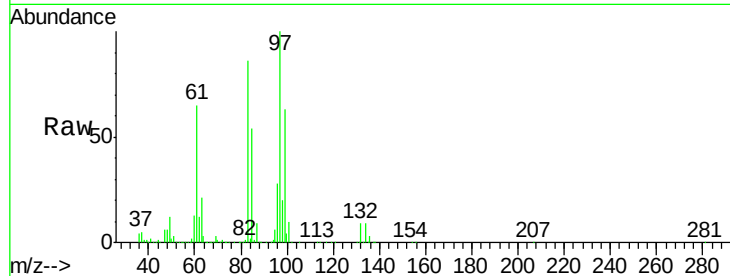
Ion Ratio Lower Upper

97 100

83 85.6 69.1 103.7

85 54.0 45.2 67.8

99 62.8 49.6 74.4

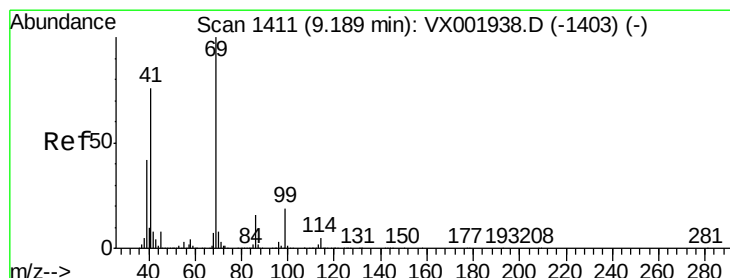
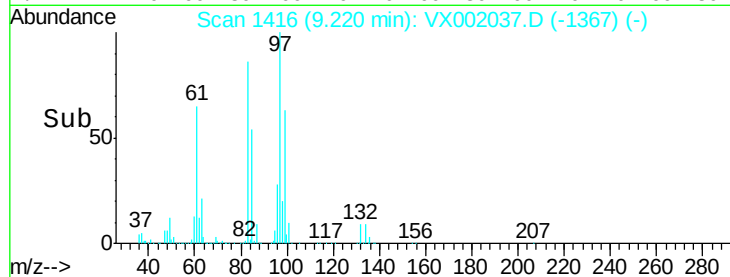
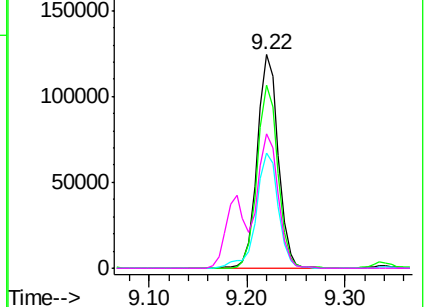


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 44.86 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

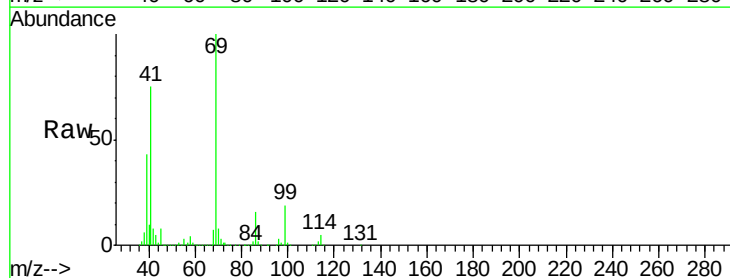
Tgt Ion: 69 Resp: 308150

Ion Ratio Lower Upper

69 100

41 76.7 61.0 91.6

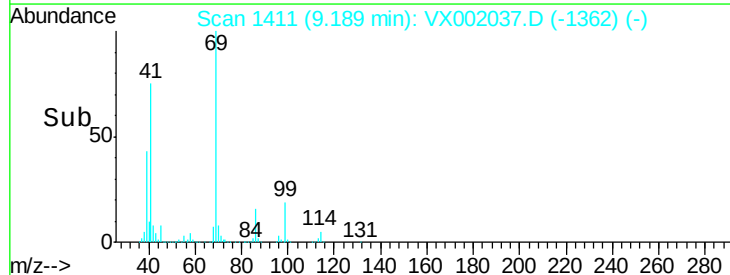
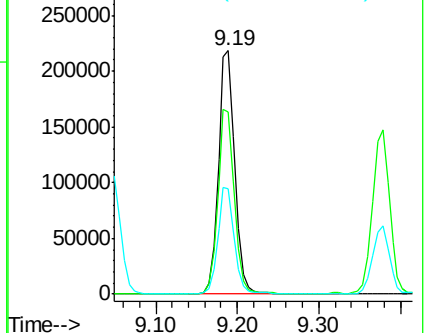
39 43.9 34.4 51.6

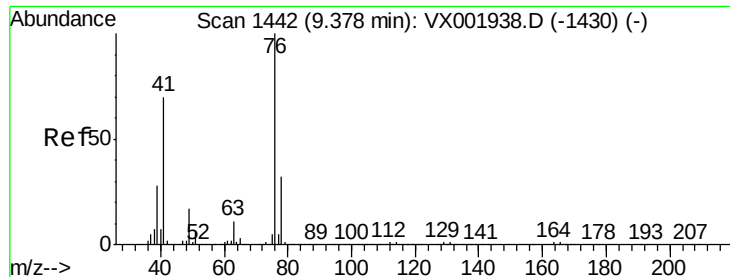


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

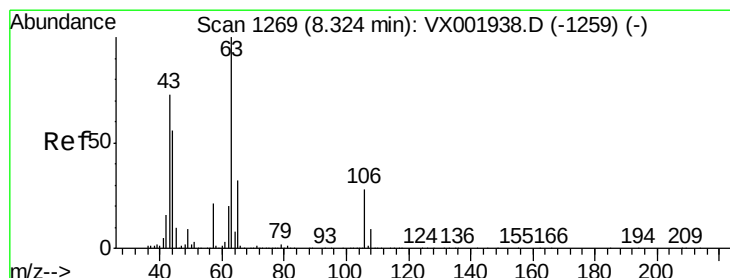
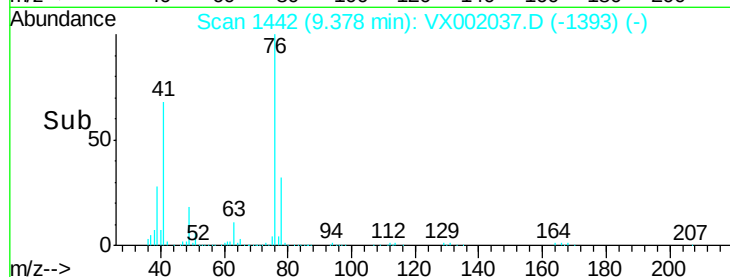
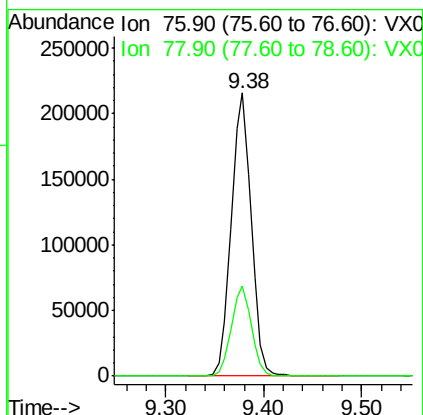
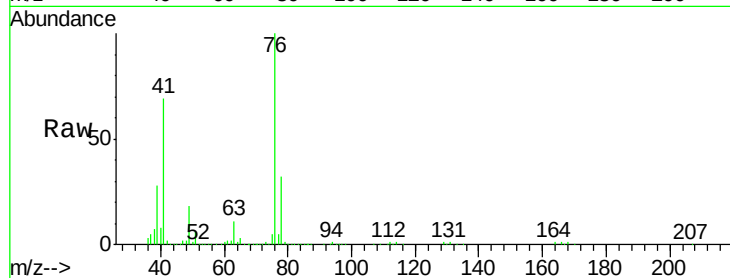




#57
 1,3-Dichloropropane
 Concen: 46.47 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

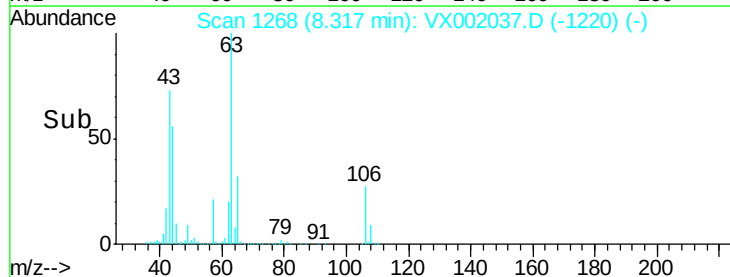
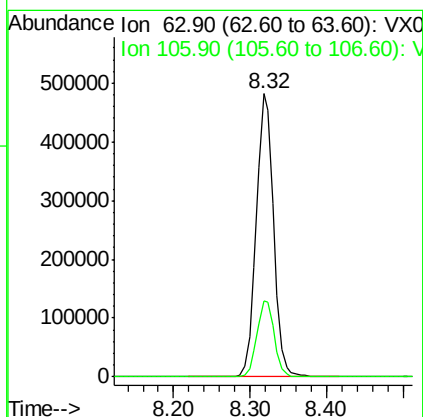
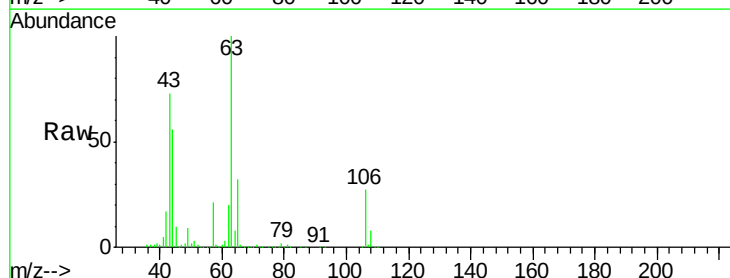
Instrument :
 MSVOA_X
 ClientSampleId :

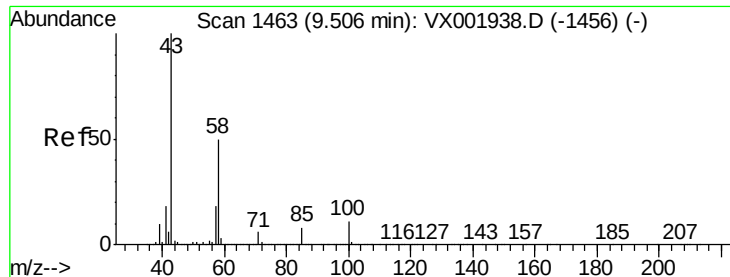
Tot Ion: 76 Resp: 305762
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.51 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

Tgt Ion: 63 Resp: 762749
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.7 32.5

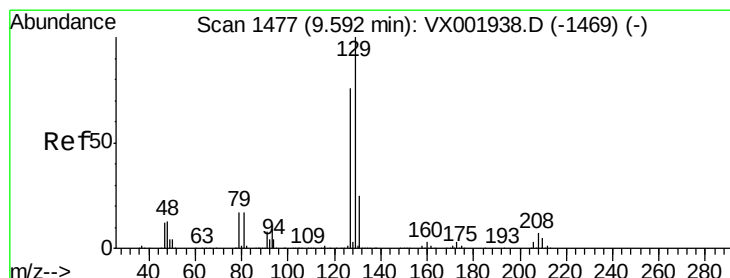
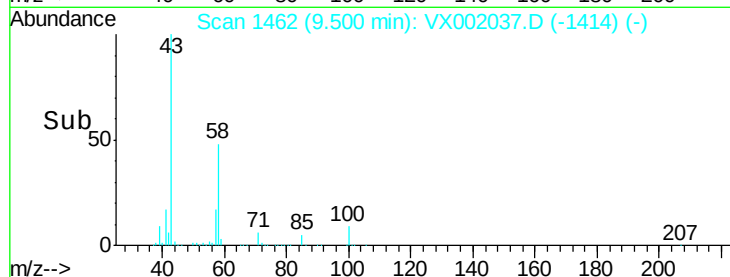
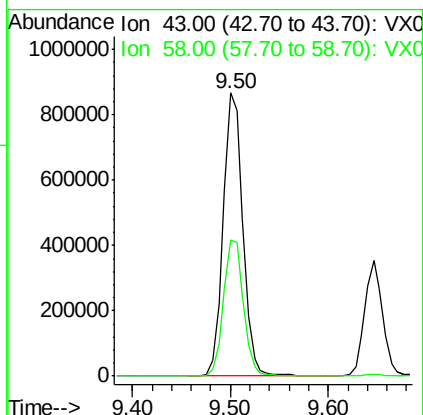
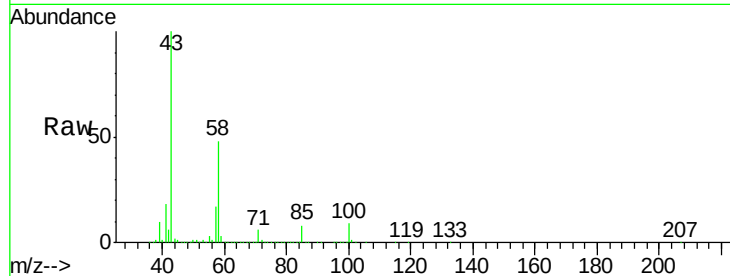




#59
2-Hexanone
Concen: 233.18 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

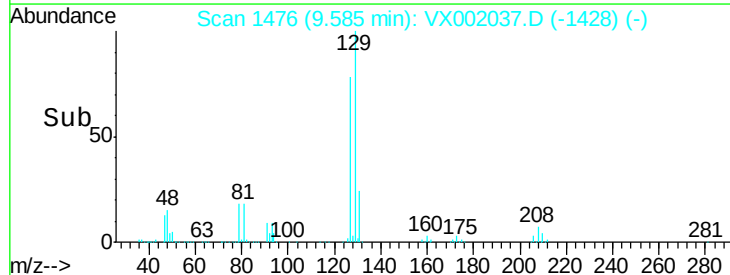
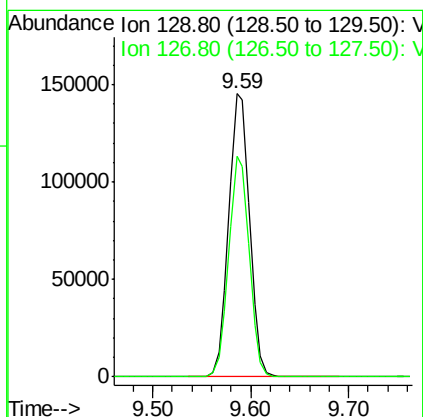
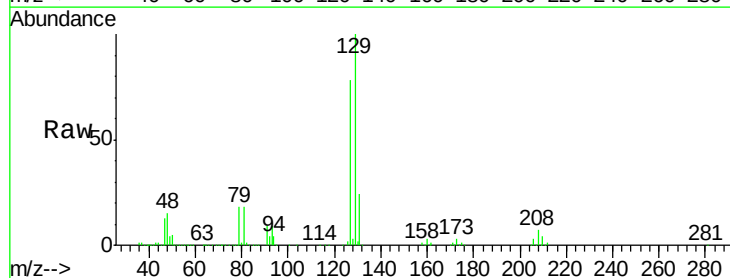
Instrument :
MSVOA_X
ClientSampleId :

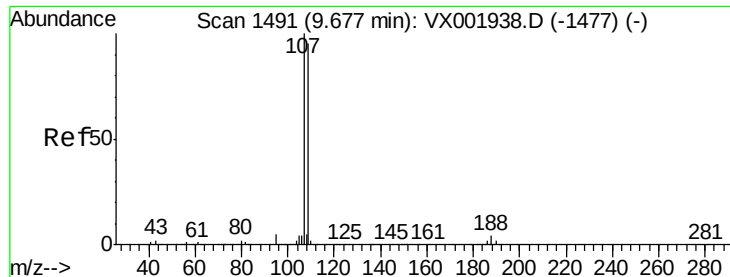
Tot Ion: 43 Resp: 1207250
Ion Ratio Lower Upper
43 100
58 49.2 24.9 74.6



#60
Dibromochloromethane
Concen: 45.53 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion:129 Resp: 215392
Ion Ratio Lower Upper
129 100
127 76.6 38.3 114.9





#61

1,2-Dibromoethane

Concen: 46.81 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

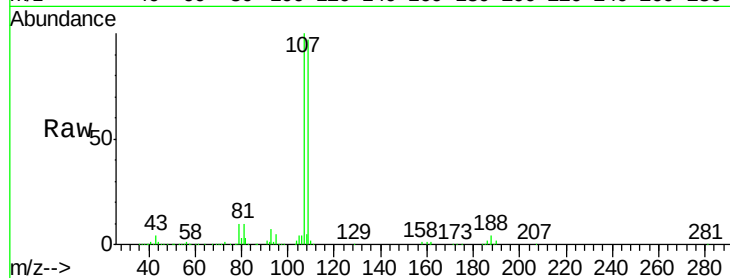
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:107 Resp: 196157

Ion Ratio Lower Upper

107 100

109 95.4 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

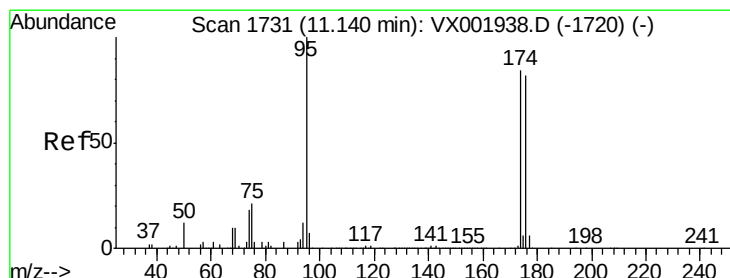
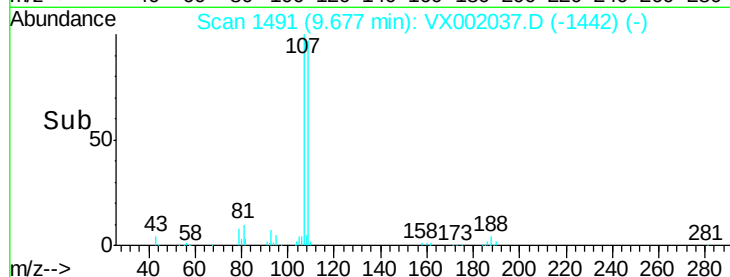
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.65 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

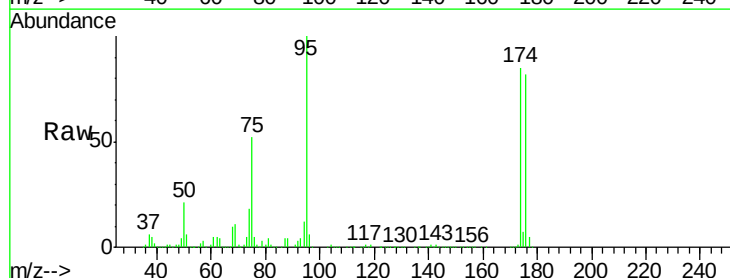
Tgt Ion: 95 Resp: 238361

Ion Ratio Lower Upper

95 100

174 91.9 0.0 178.8

176 89.1 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

250000

200000

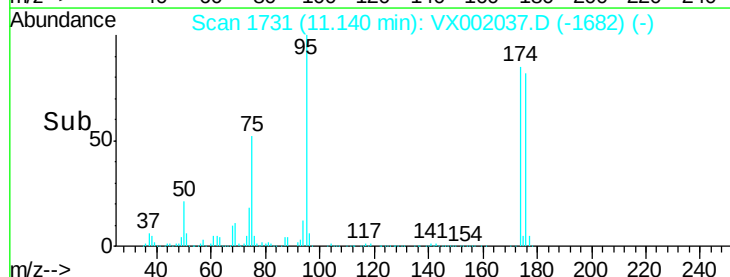
150000

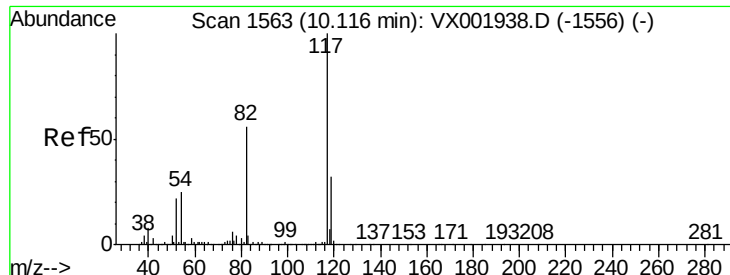
100000

50000

0

Time-->

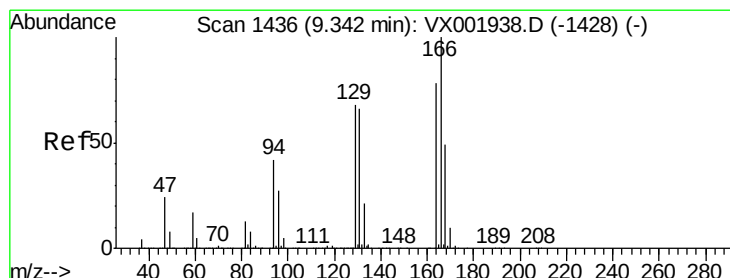
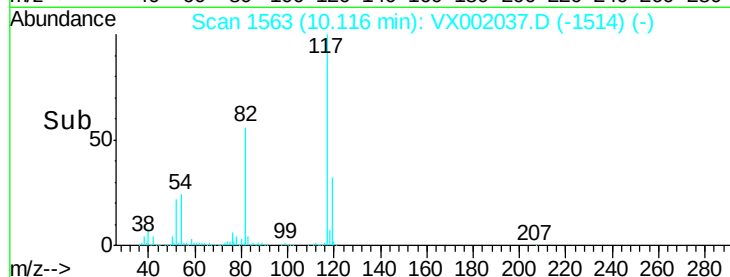
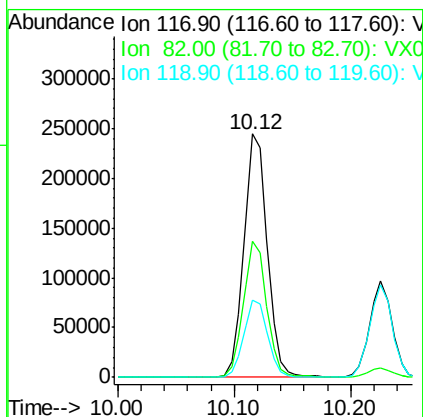
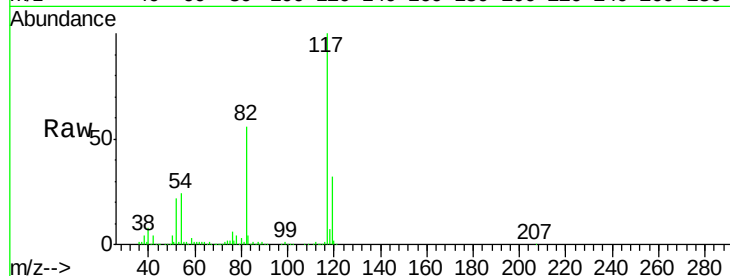




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

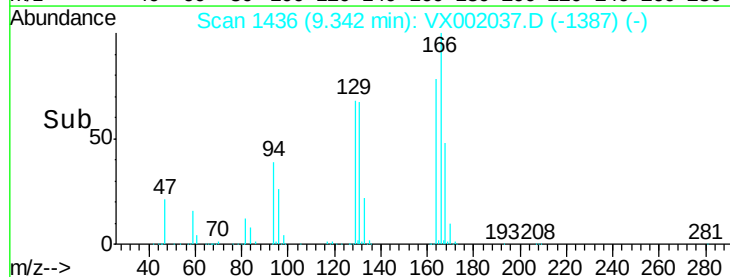
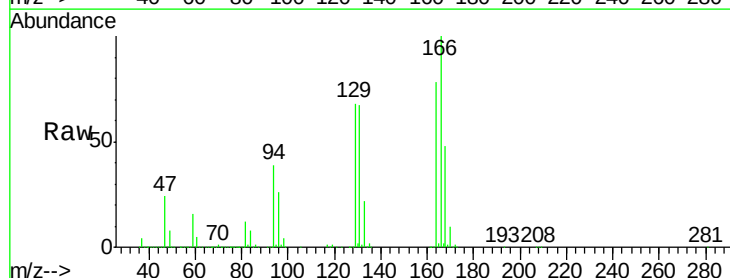
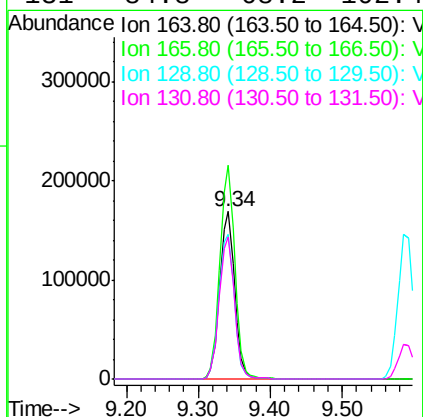
Instrument :
MSVOA_X
ClientSampleId :

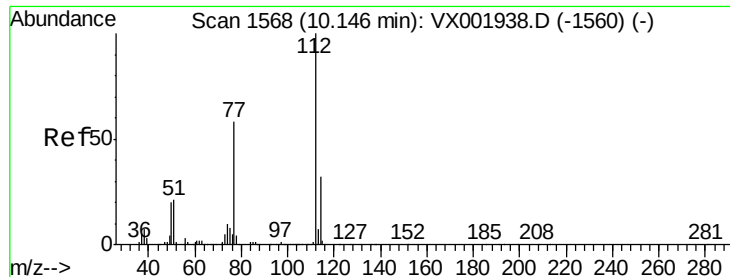
Tot Ion:117 Resp: 344730
Ion Ratio Lower Upper
117 100
82 56.0 44.8 67.2
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 49.34 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion:164 Resp: 243876
Ion Ratio Lower Upper
164 100
166 127.5 102.7 154.1
129 86.6 70.3 105.5
131 84.8 68.2 102.4





#65

Chlorobenzene

Concen: 46.26 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

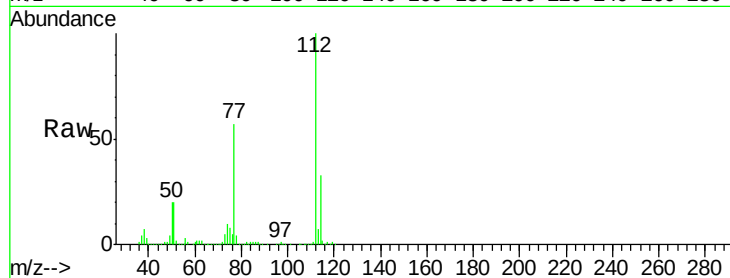
ClientSampled :

Tot Ion:112 Resp: 505265

Ion Ratio Lower Upper

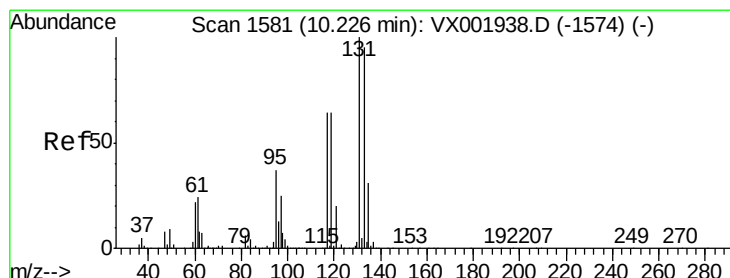
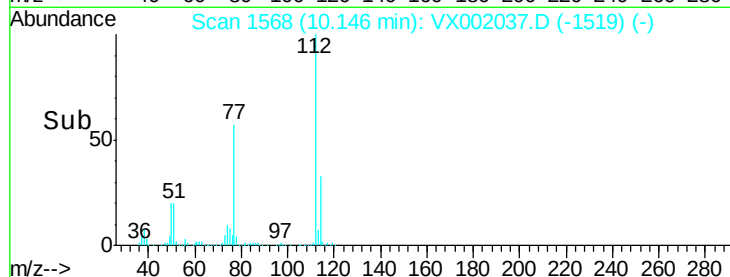
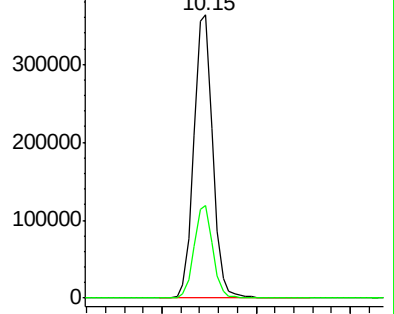
112 100

114 32.8 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 45.30 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

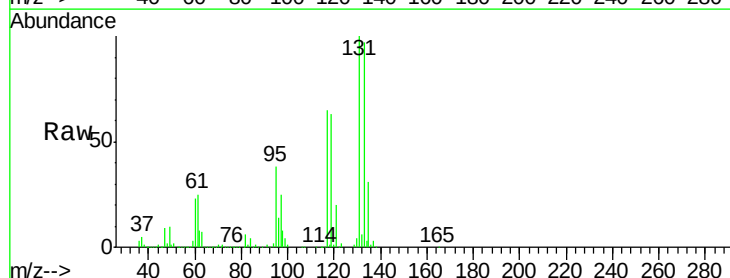
Tgt Ion:131 Resp: 199767

Ion Ratio Lower Upper

131 100

133 96.1 48.0 144.0

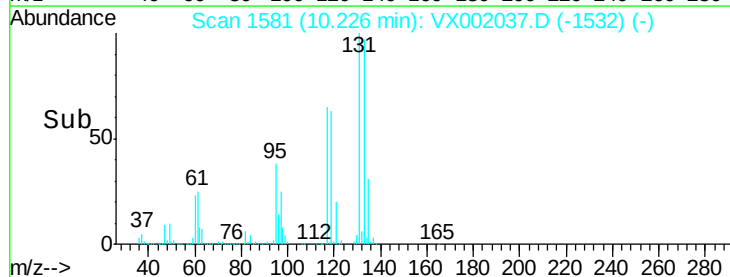
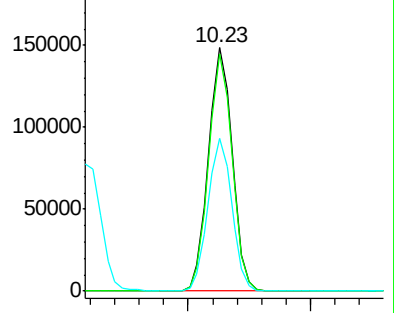
119 63.1 31.9 95.5

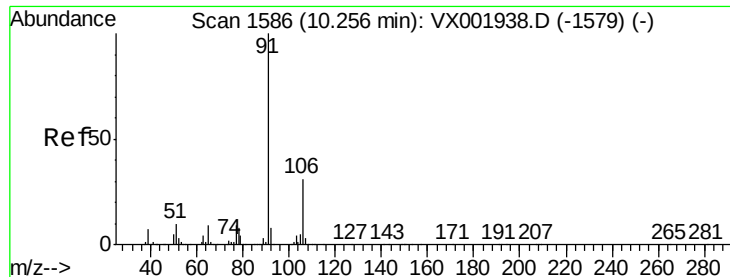


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 46.34 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

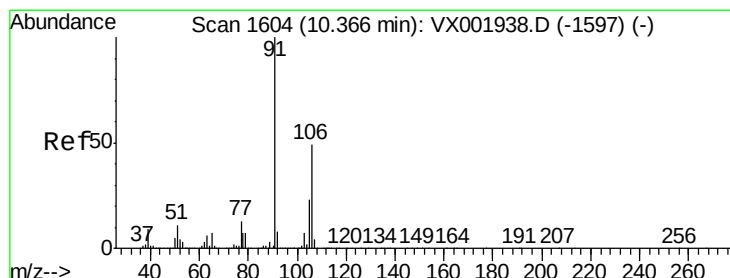
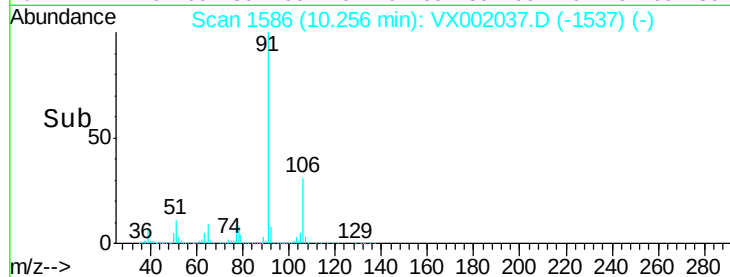
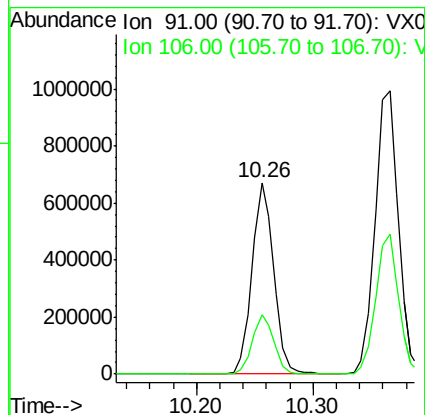
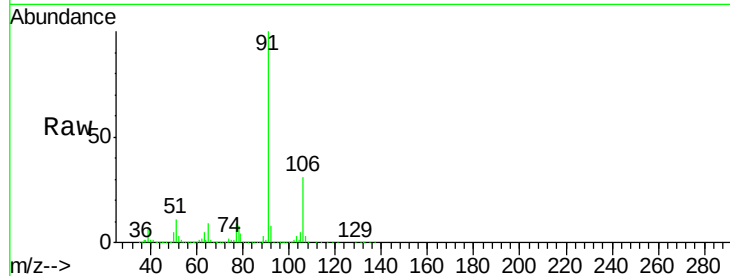
ClientSampleId :

Tot Ion: 91 Resp: 879411

Ion Ratio Lower Upper

91 100

106 30.9 25.0 37.6



#68

m/p-Xylenes

Concen: 92.83 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX002037.D

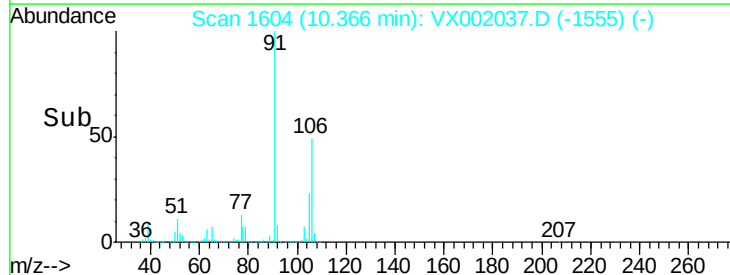
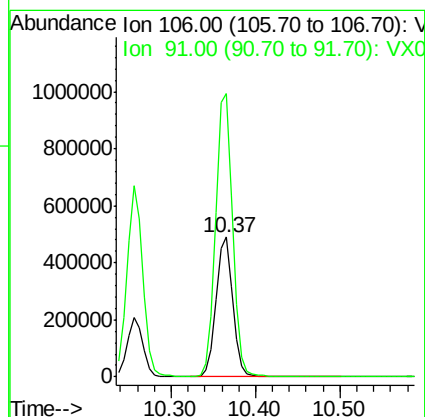
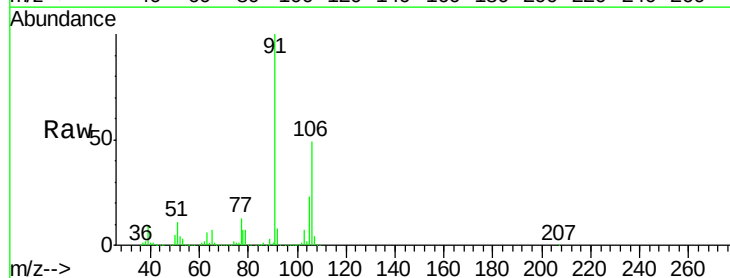
Acq: 26 May 2018 23:26

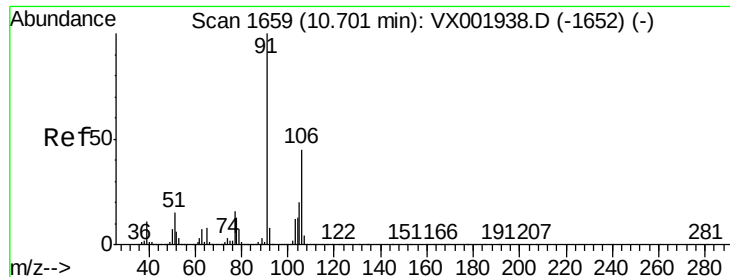
Tgt Ion: 106 Resp: 673354

Ion Ratio Lower Upper

106 100

91 207.3 165.0 247.6

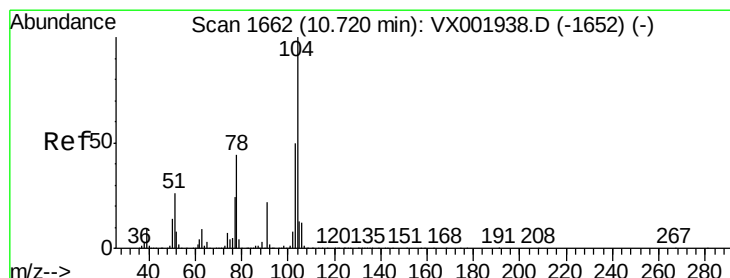
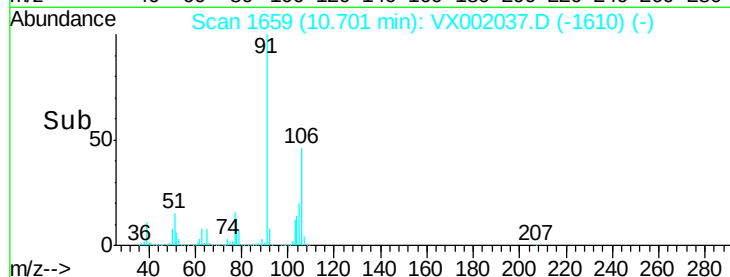
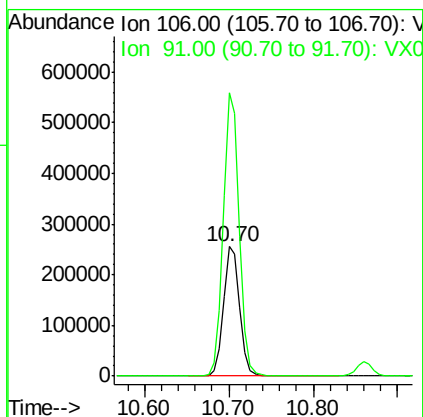
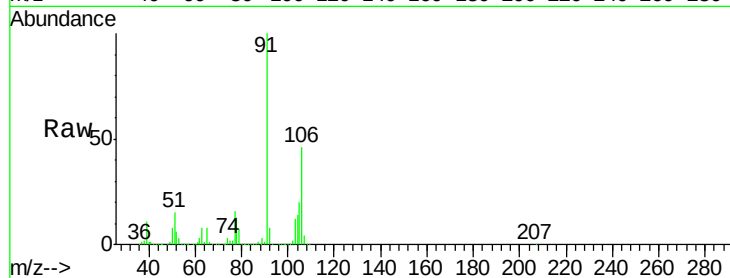




#69
o-Xylene
Concen: 46.54 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

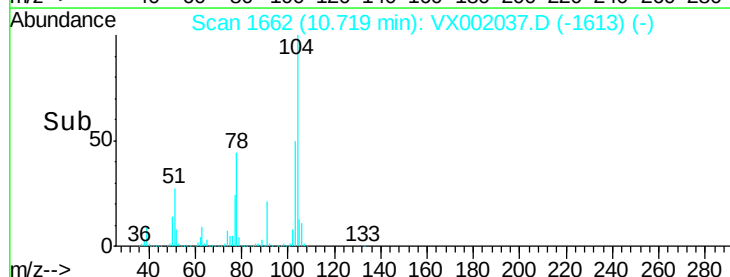
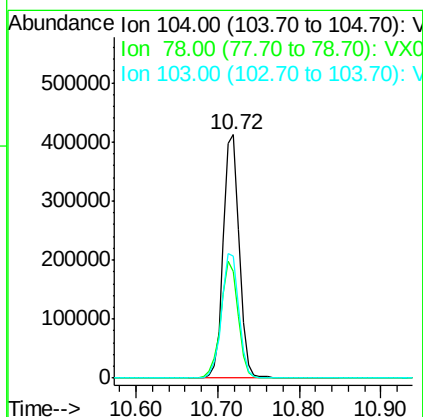
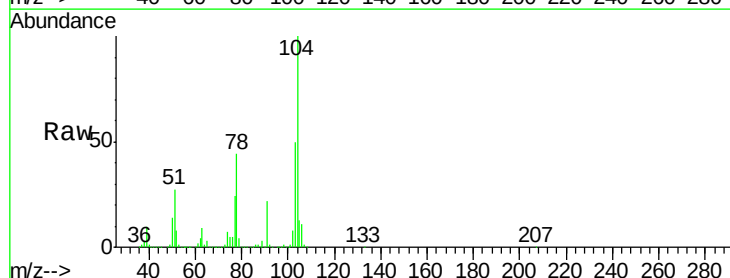
Instrument :
MSVOA_X
ClientSampleId :

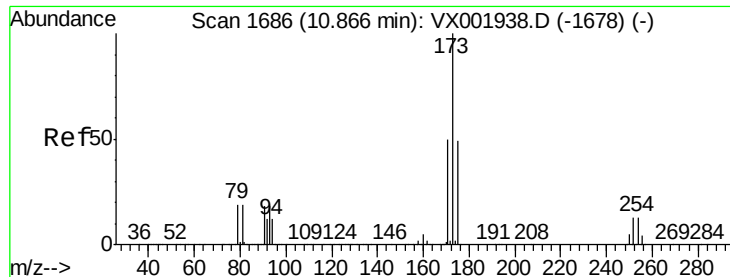
Tot Ion:106 Resp: 337077
Ion Ratio Lower Upper
106 100
91 217.1 108.7 325.9



#70
Styrene
Concen: 46.73 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion:104 Resp: 561258
Ion Ratio Lower Upper
104 100
78 52.3 41.8 62.6
103 55.8 44.6 67.0





#71

Bromoform

Concen: 43.28 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

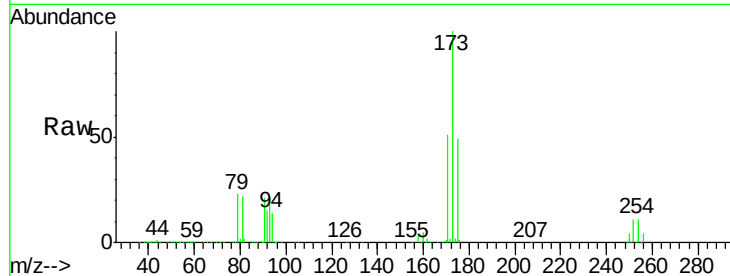
Tot Ion:173 Resp: 180973

Ion Ratio Lower Upper

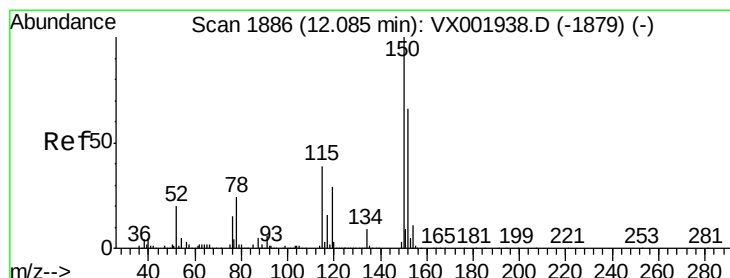
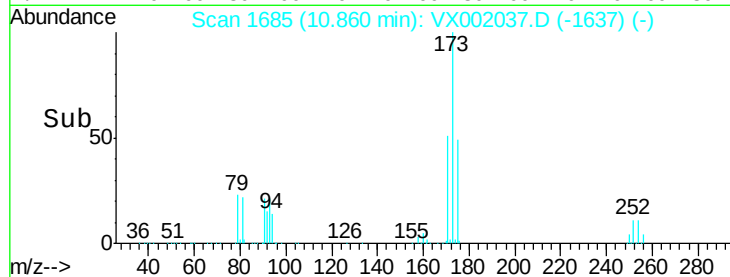
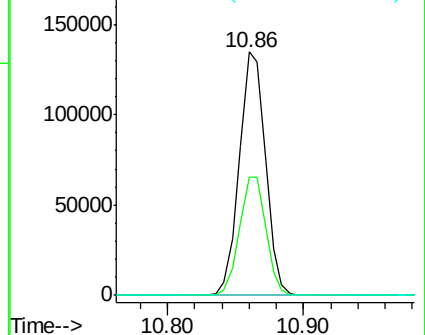
173 100

175 49.2 24.3 72.9

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

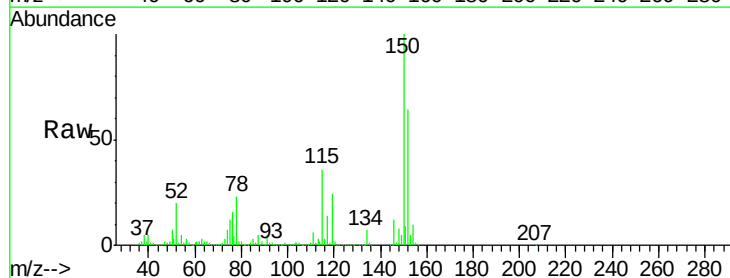
Tgt Ion:152 Resp: 235335

Ion Ratio Lower Upper

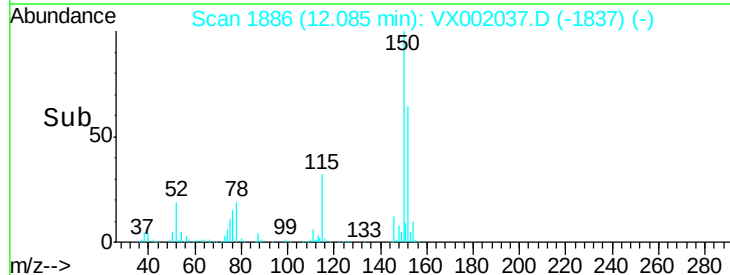
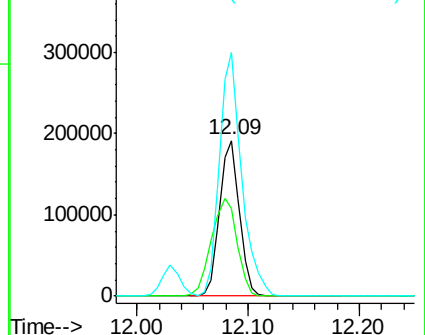
152 100

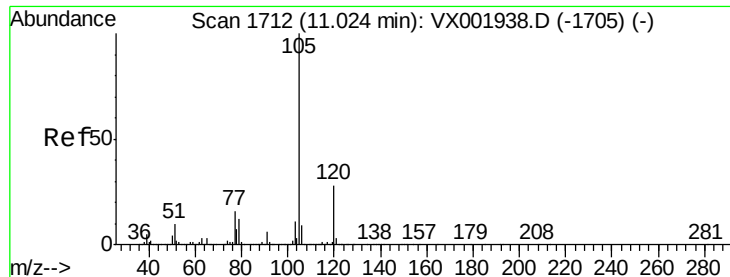
115 82.2 42.3 126.8

150 176.0 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.27 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

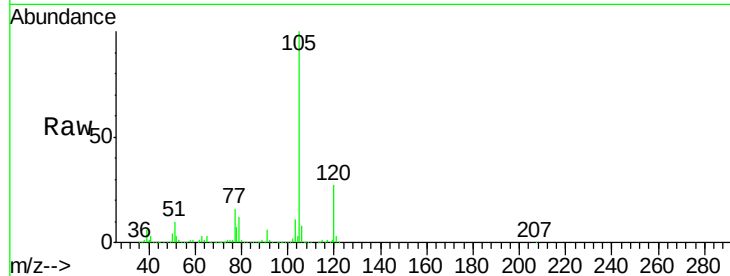
ClientSampleId :

Tot Ion:105 Resp: 902126

Ion Ratio Lower Upper

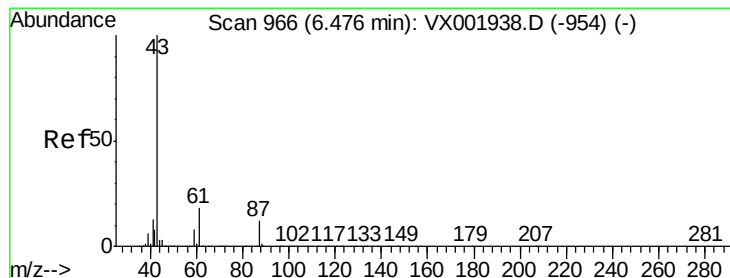
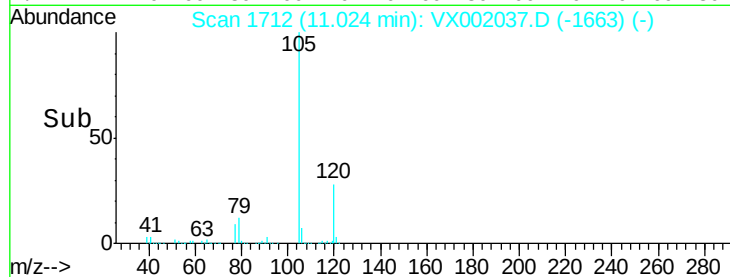
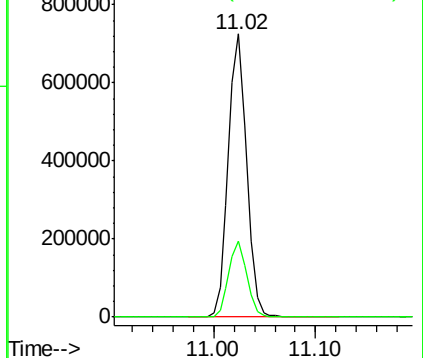
105 100

120 26.7 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: 48.45 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Tgt Ion: 43 Resp: 501880

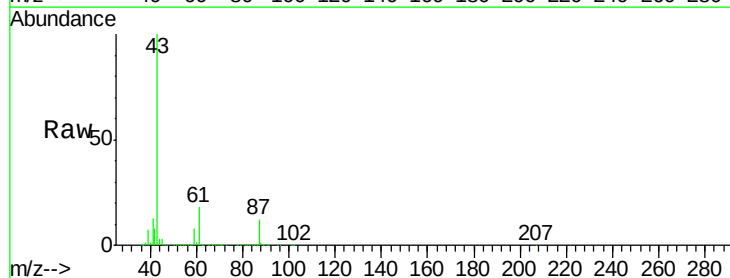
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 0.1 0.1 0.1#

61 18.0 14.5 21.7

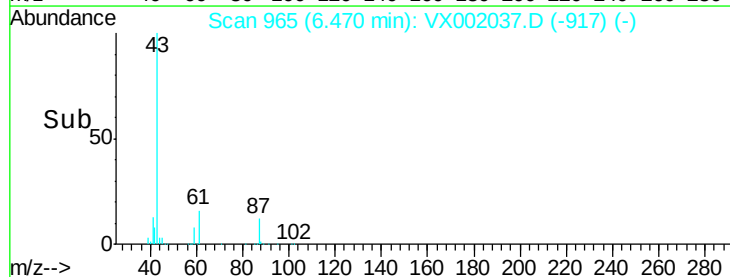
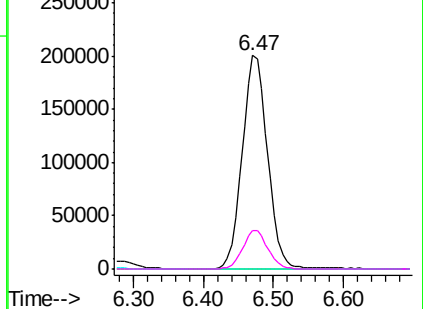


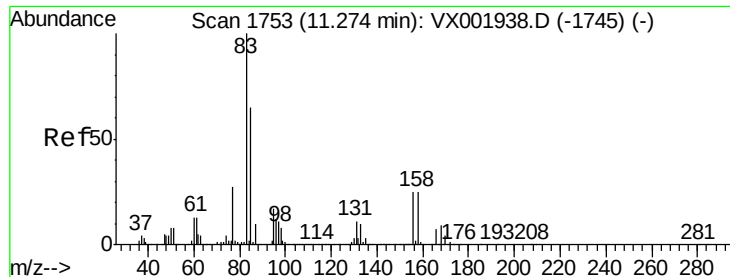
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 49.85 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampled :

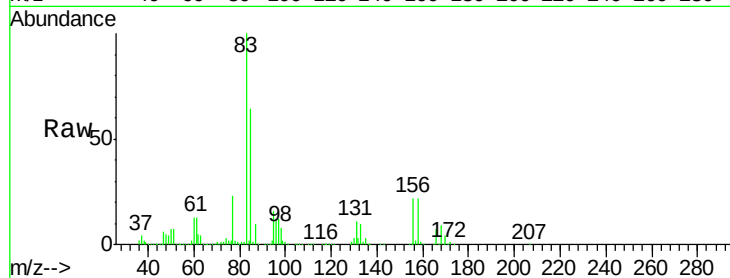
Tot Ion: 83 Resp: 271709

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.7	17.0
85	64.4	32.6	97.7

83 100

131 11.0 5.7 17.0

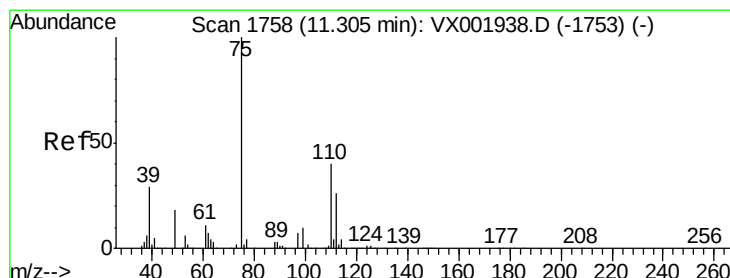
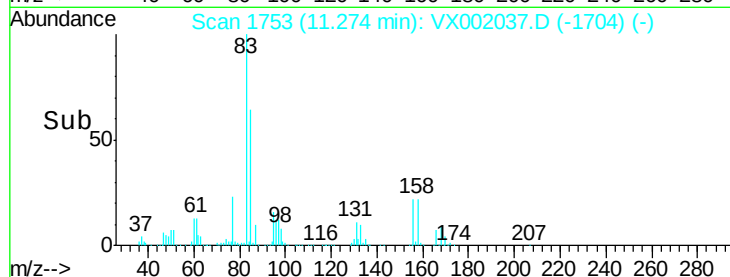
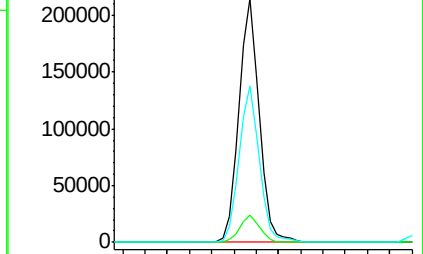
85 64.4 32.6 97.7



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: 60.32 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX002037.D

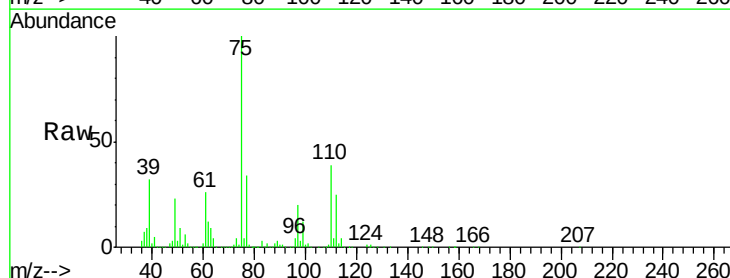
Acq: 26 May 2018 23:26

Tgt Ion: 75 Resp: 340944

Ion	Ratio	Lower	Upper
75	100		
77	30.8	22.8	68.3

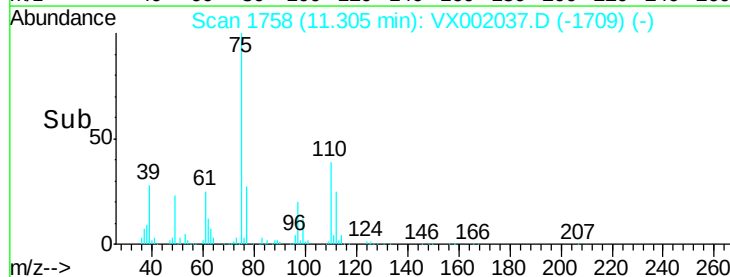
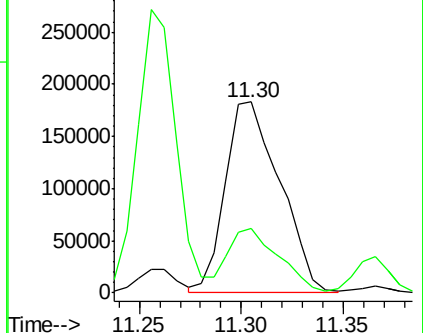
75 100

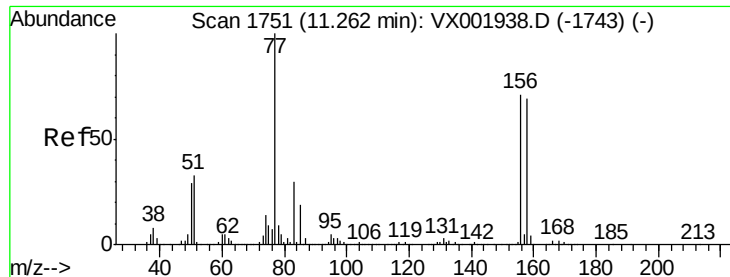
77 30.8 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 46.03 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

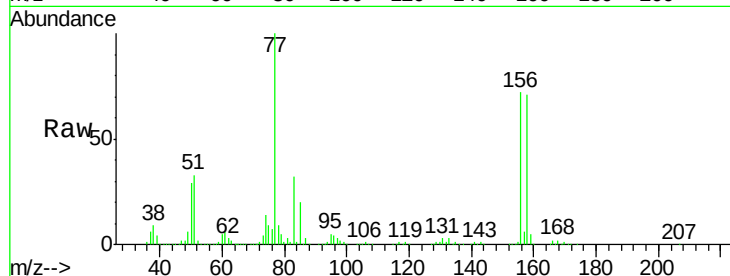
Tot Ion:156 Resp: 243386

Ion Ratio Lower Upper

156 100

77 148.0 75.2 225.6

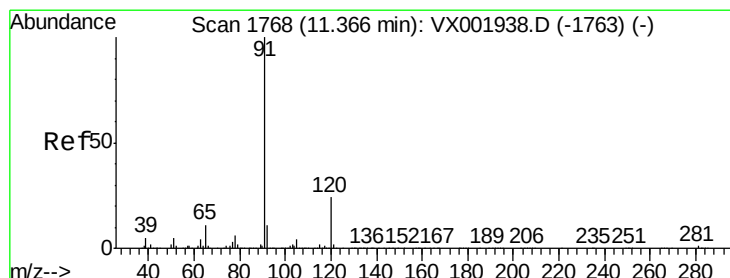
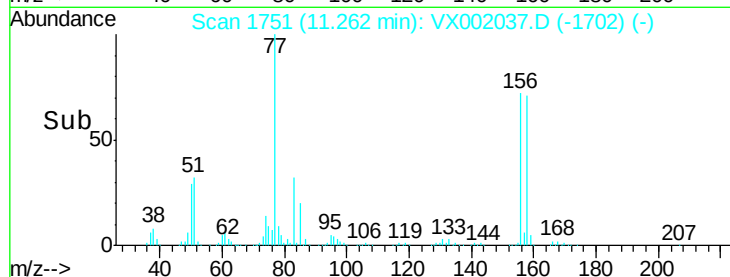
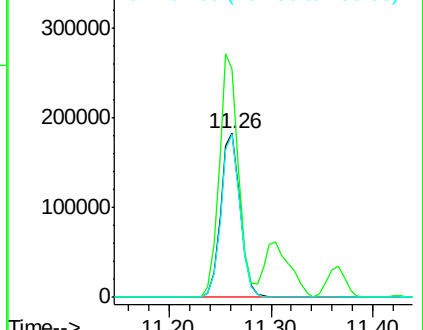
158 97.2 48.6 145.8



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: 45.41 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002037.D

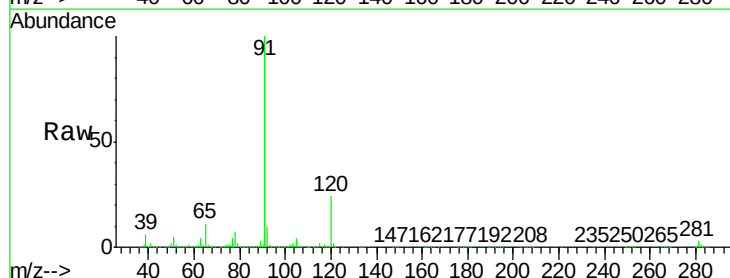
Acq: 26 May 2018 23:26

Tgt Ion: 91 Resp: 1013619

Ion Ratio Lower Upper

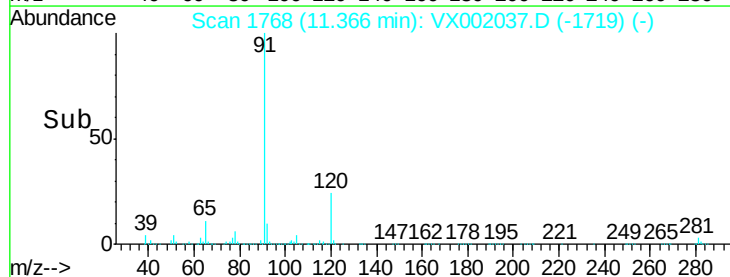
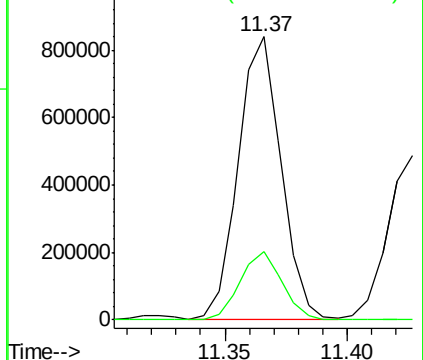
91 100

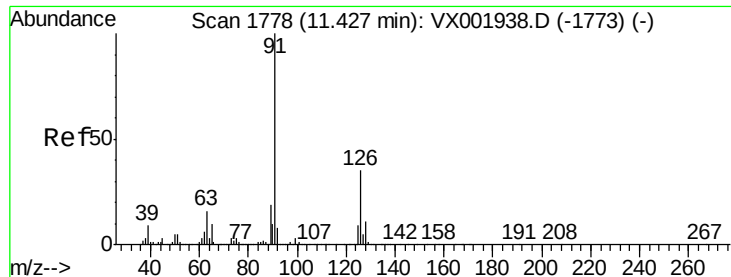
120 23.9 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.86 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

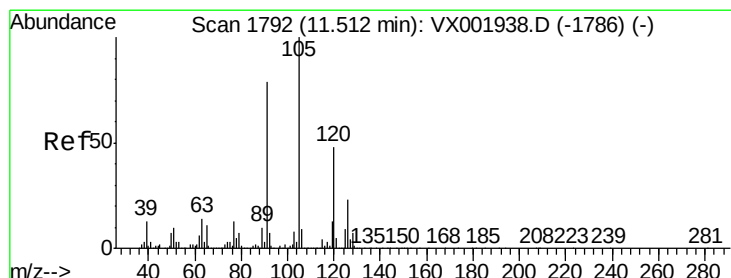
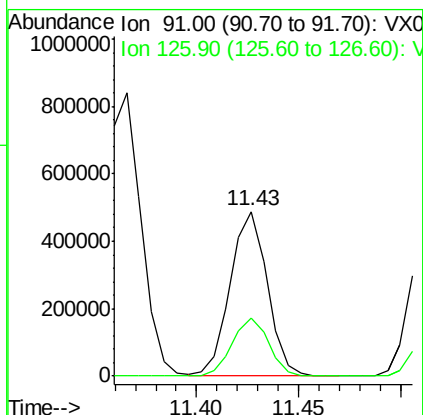
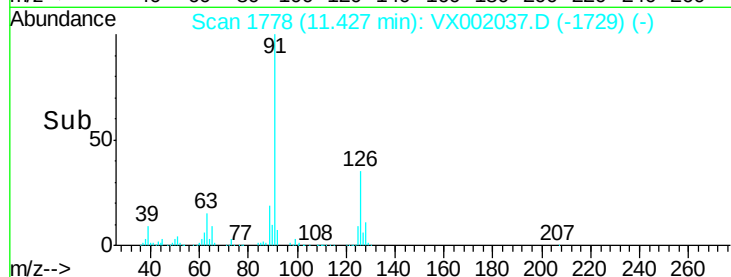
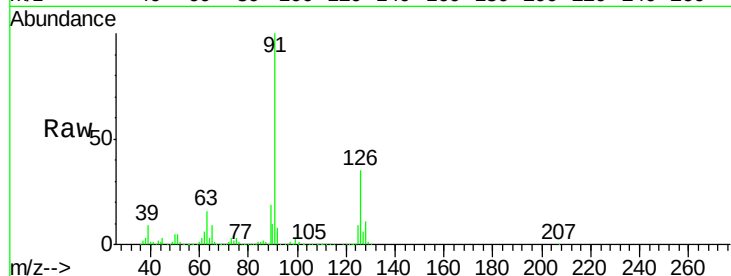
ClientSampleId :

Tot Ion: 91 Resp: 610590

Ion Ratio Lower Upper

91 100

126 35.2 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 45.14 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002037.D

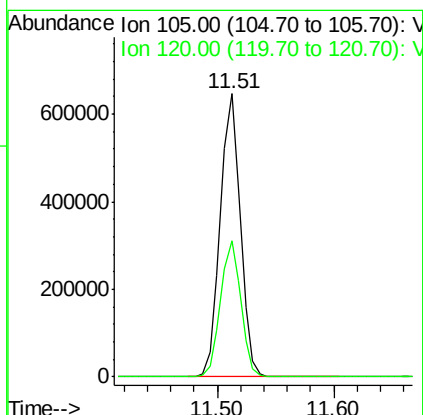
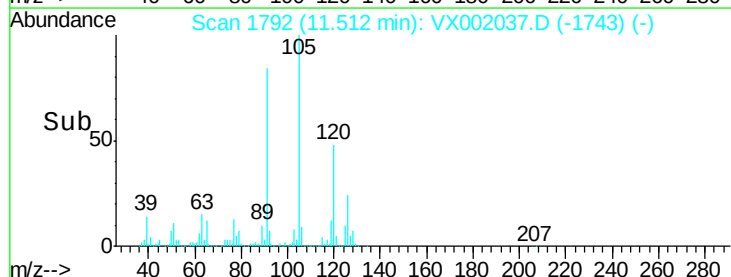
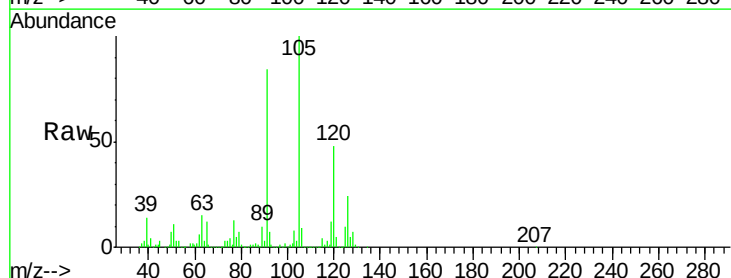
Acq: 26 May 2018 23:26

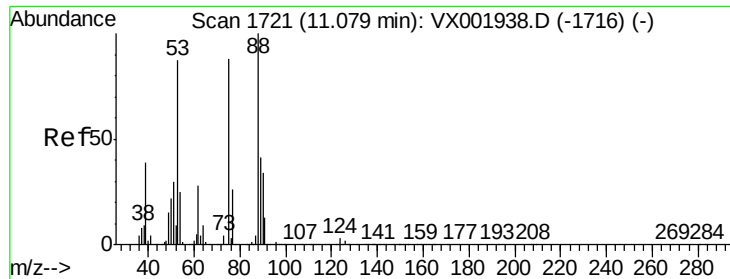
Tgt Ion: 105 Resp: 768756

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.4

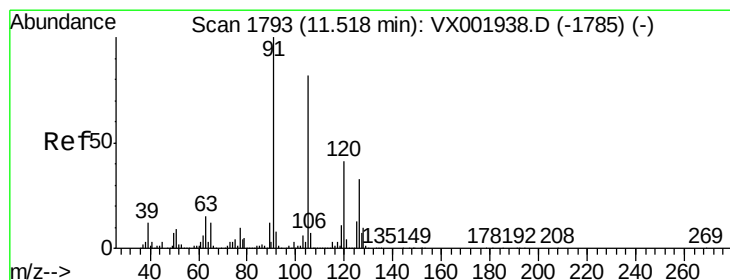
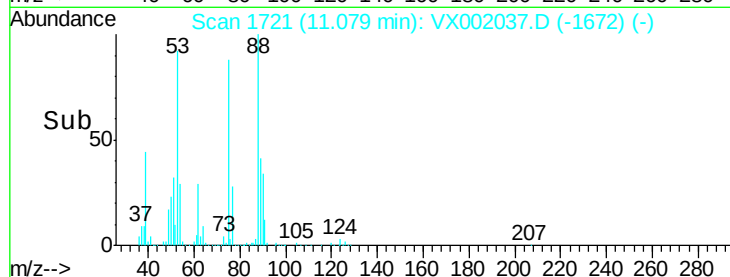
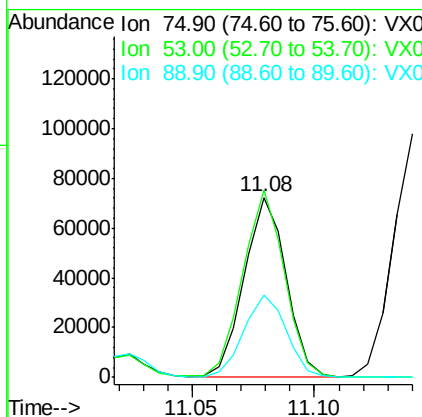
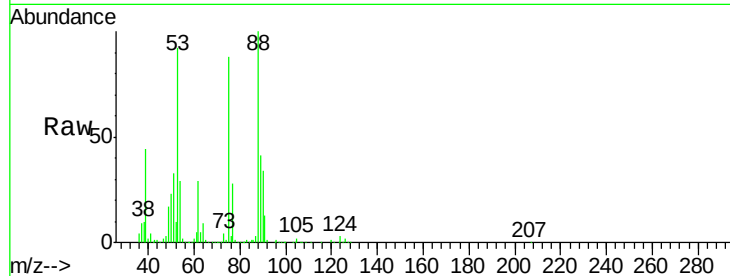




#81
trans-1,4-Dichloro-2-butene
Concen: 36.74 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

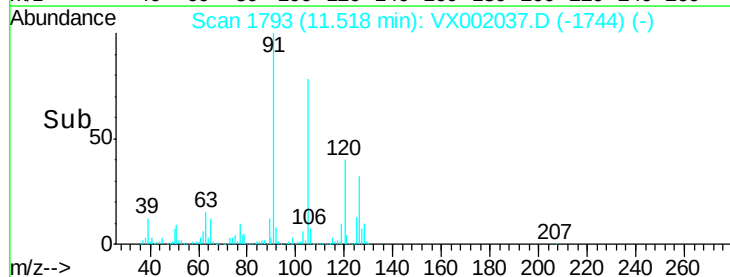
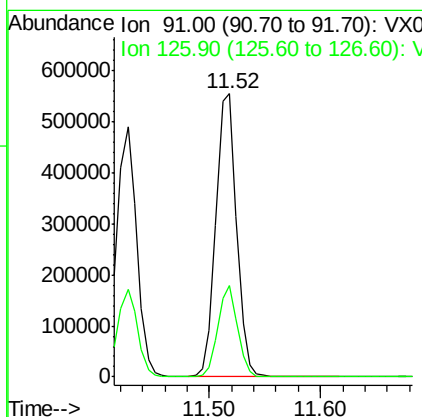
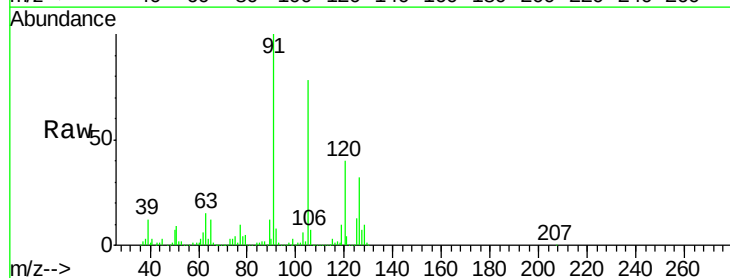
Instrument :
MSVOA_X
ClientSampleId :

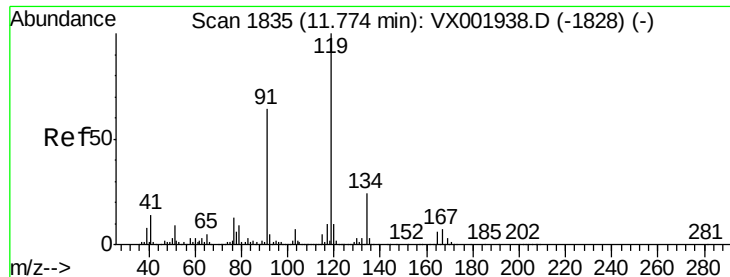
Tot Ion: 75 Resp: 86413
Ion Ratio Lower Upper
75 100
53 103.6 78.0 117.0
89 47.0 39.4 59.2



#82
4-Chlorotoluene
Concen: 45.61 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion: 91 Resp: 717961
Ion Ratio Lower Upper
91 100
126 30.4 15.3 45.8





#83

tert-Butylbenzene

Concen: 43.83 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampled :

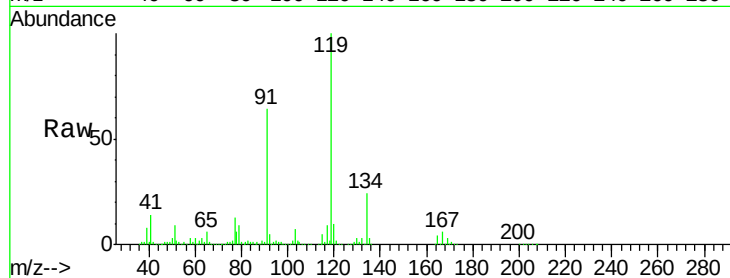
Tot Ion:119 Resp: 732489

Ion Ratio Lower Upper

119 100

91 62.3 30.6 91.8

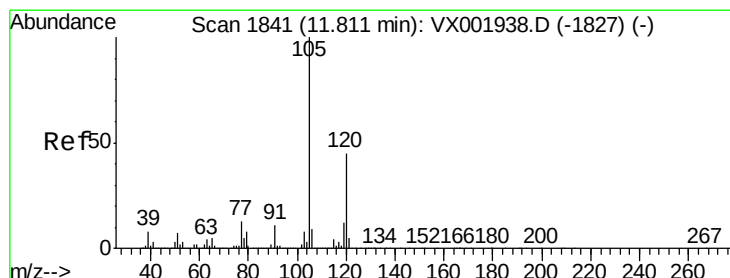
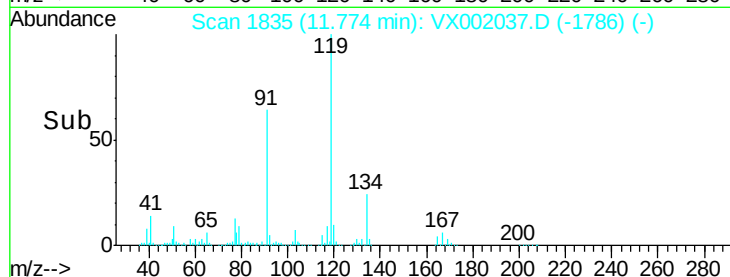
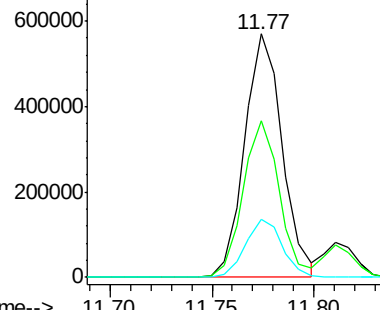
134 23.4 11.7 35.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 44.95 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX002037.D

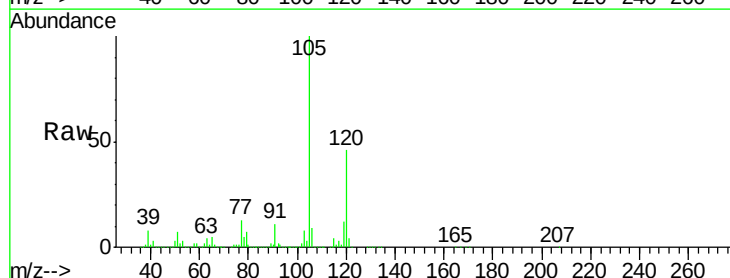
Acq: 26 May 2018 23:26

Tgt Ion:105 Resp: 791122

Ion Ratio Lower Upper

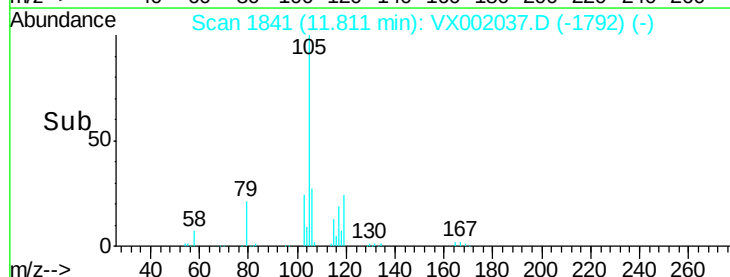
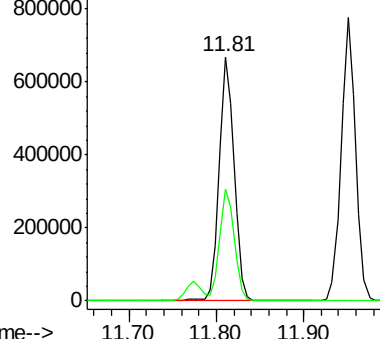
105 100

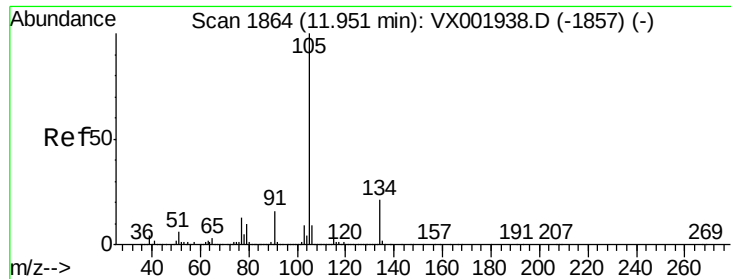
120 44.7 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 45.01 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

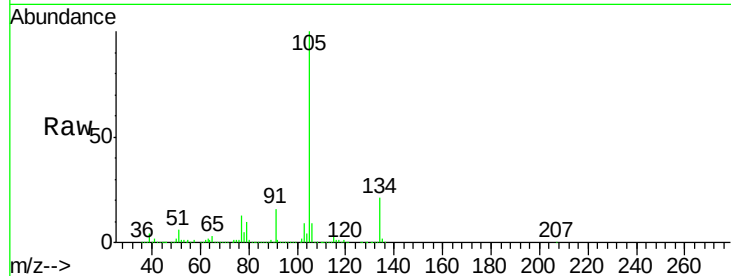
ClientSampleId :

Tot Ion:105 Resp: 904322

Ion Ratio Lower Upper

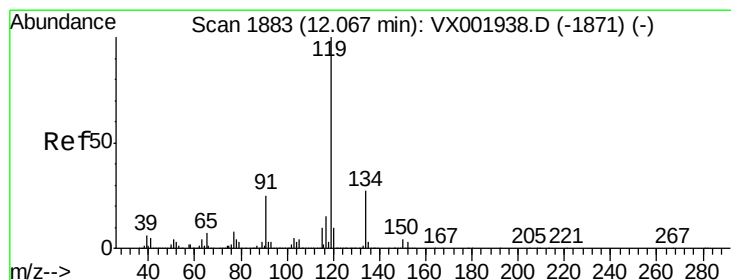
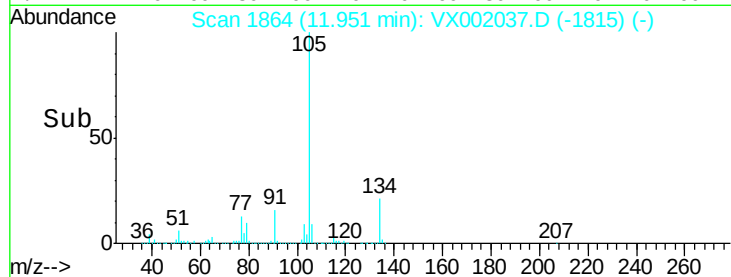
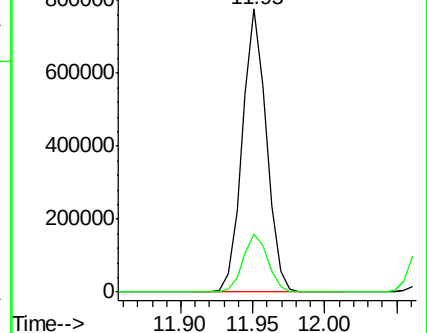
105 100

134 21.1 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.42 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

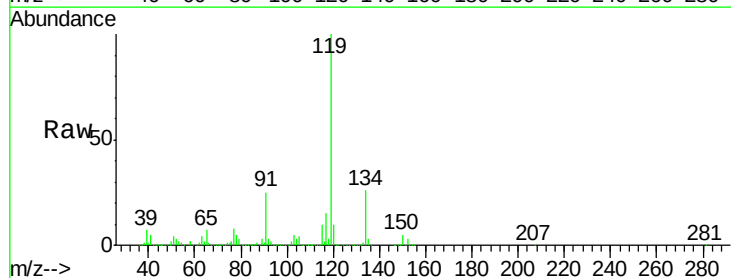
Tgt Ion:119 Resp: 816580

Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

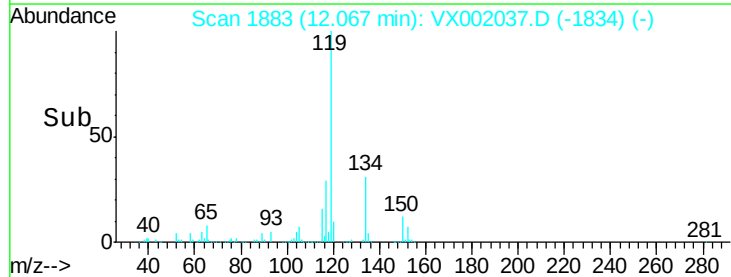
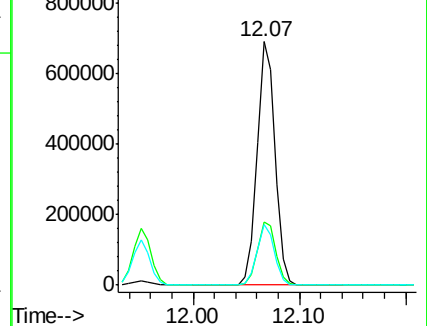
91 24.2 12.2 36.4

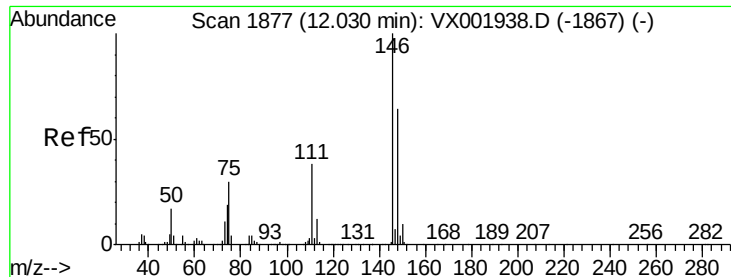


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 45.74 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampled :

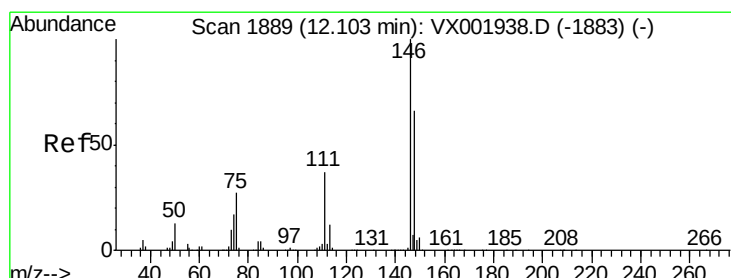
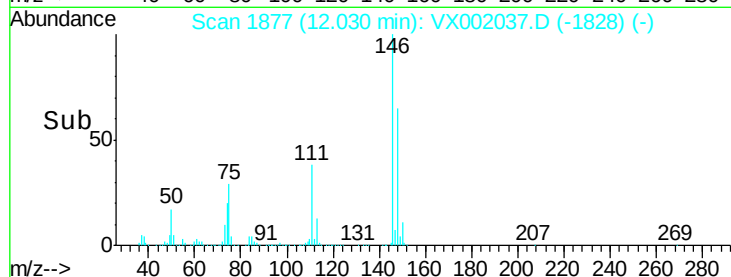
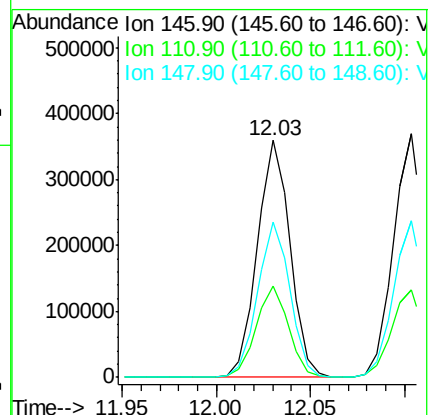
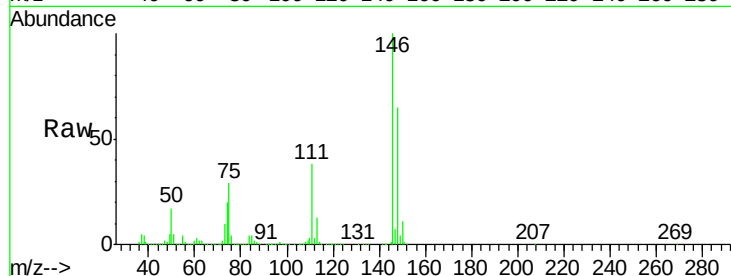
Tot Ion:146 Resp: 433083

Ion Ratio Lower Upper

146 100

111 38.2 19.3 57.8

148 64.7 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 46.43 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

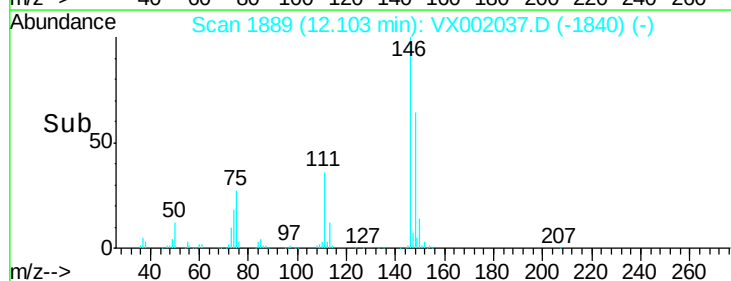
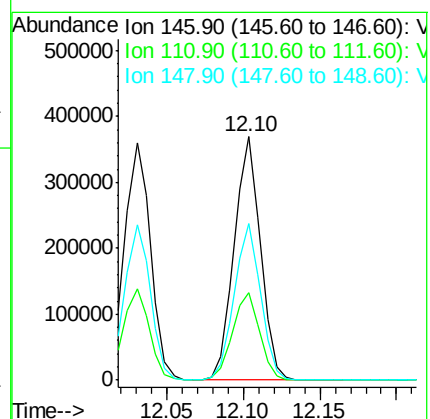
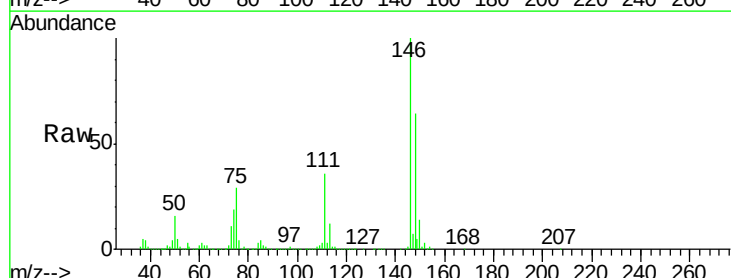
Tgt Ion:146 Resp: 439538

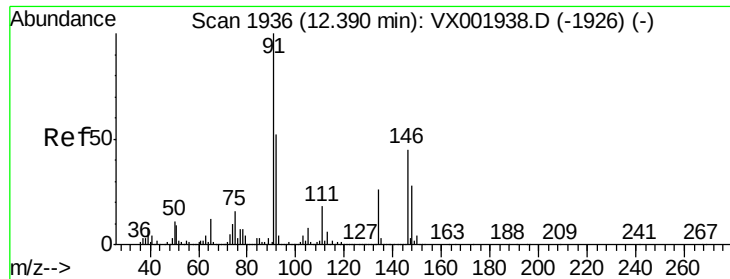
Ion Ratio Lower Upper

146 100

111 37.0 18.9 56.5

148 64.5 32.3 96.8





#89

n-Butylbenzene

Concen: 45.74 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

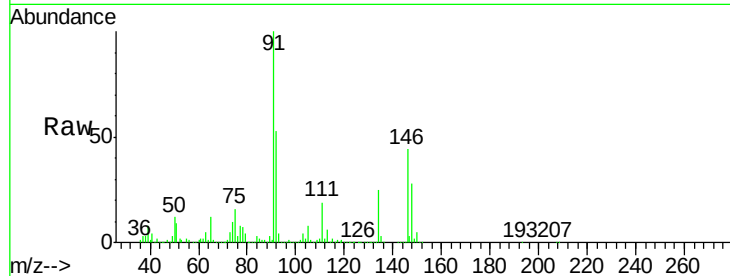
Tot Ion: 91 Resp: 696683

Ion Ratio Lower Upper

91 100

92 52.5 26.3 78.9

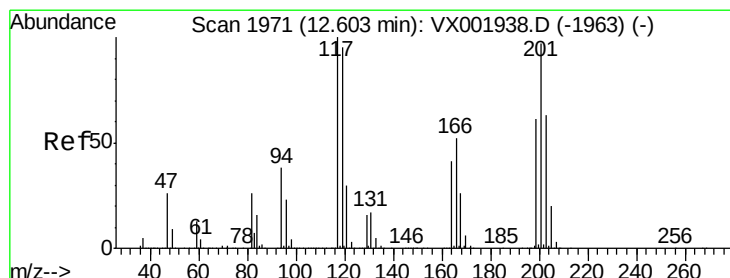
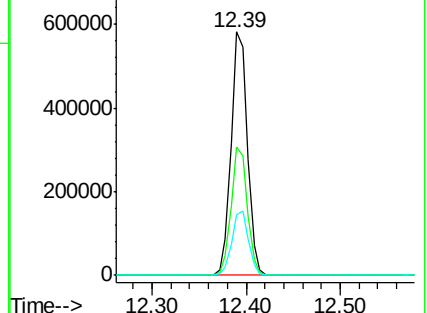
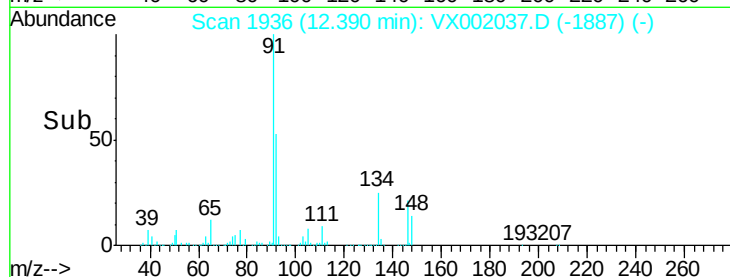
134 27.0 13.6 40.7



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

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

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



#90

Hexachloroethane

Concen: 41.97 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX002037.D

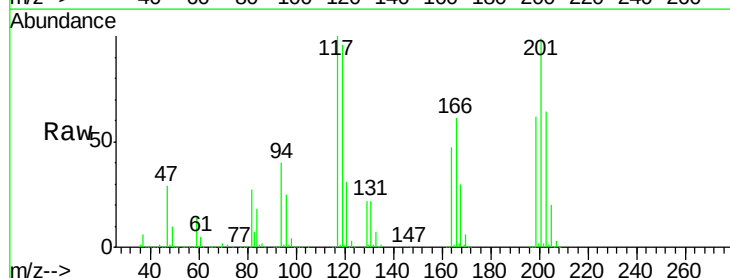
Acq: 26 May 2018 23:26

Tgt Ion: 117 Resp: 148829

Ion Ratio Lower Upper

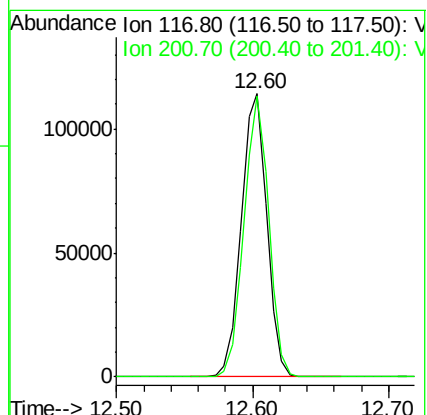
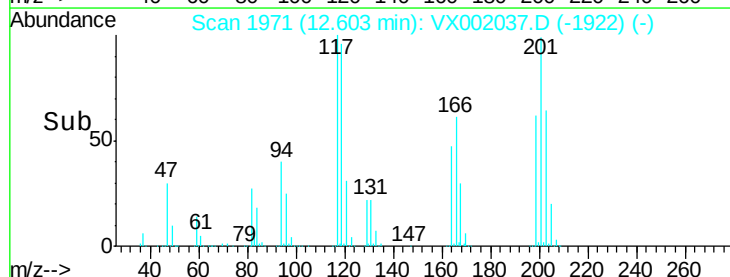
117 100

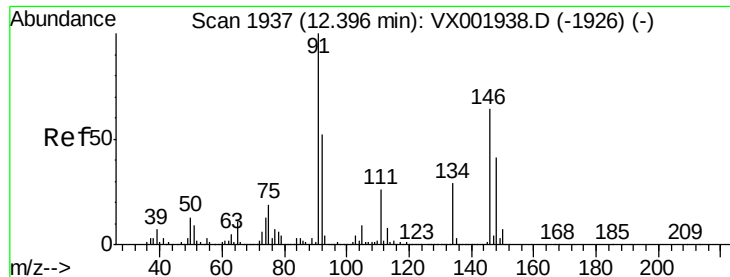
201 96.4 48.0 144.0



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

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





#91

1,2-Dichlorobenzene

Concen: 46.05 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

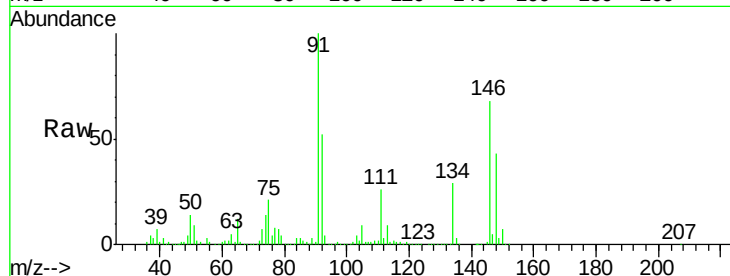
Tot Ion:146 Resp: 444297

Ion Ratio Lower Upper

146 100

111 39.5 19.8 59.3

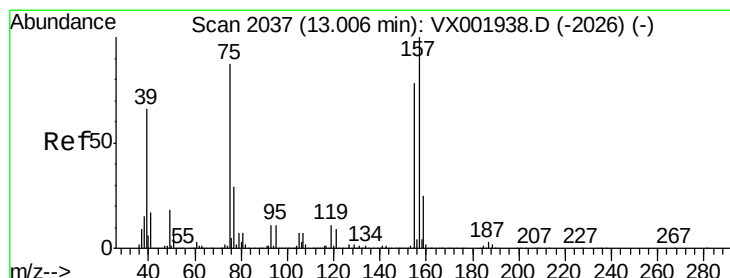
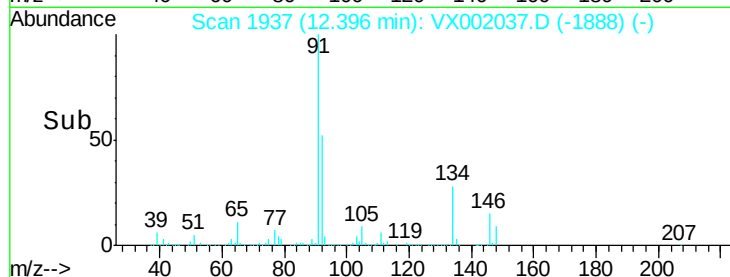
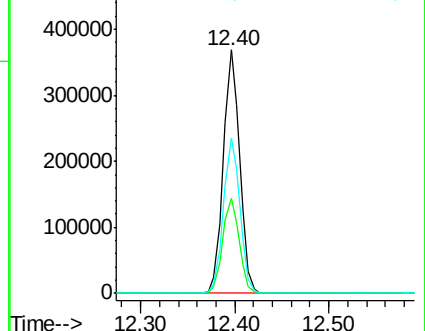
148 64.3 32.1 96.5



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: 41.93 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

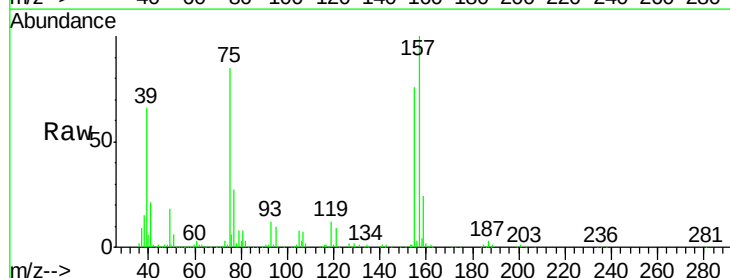
Tgt Ion: 75 Resp: 74291

Ion Ratio Lower Upper

75 100

155 90.1 45.1 135.2

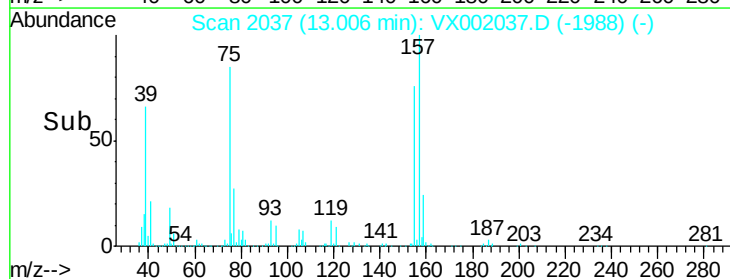
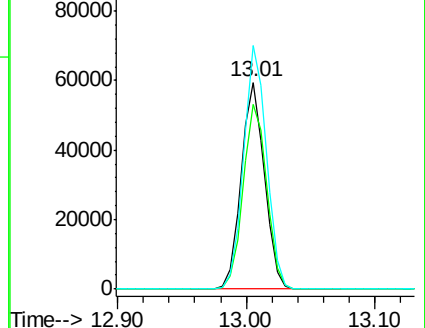
157 115.5 58.1 174.2

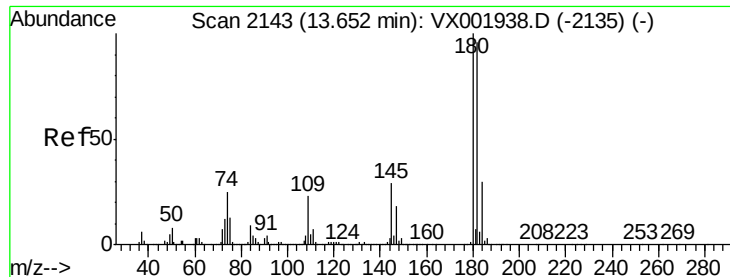


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

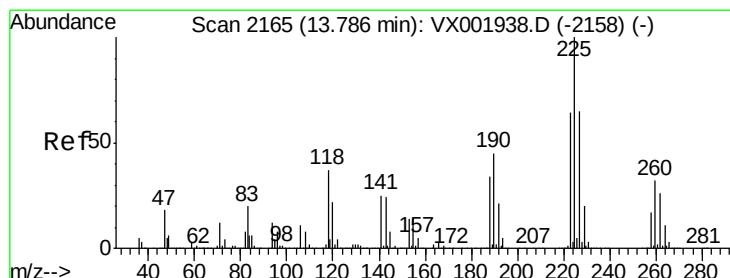
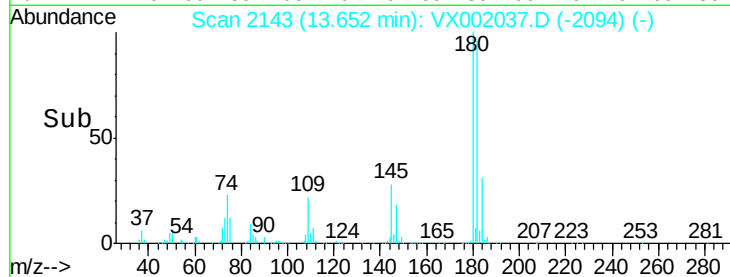
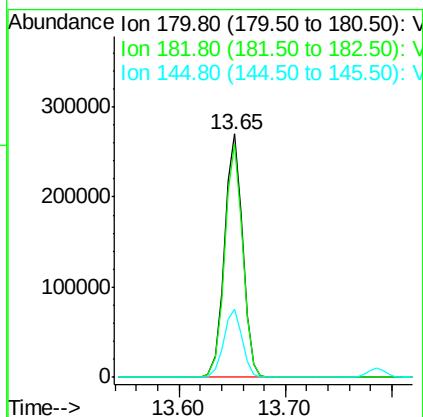
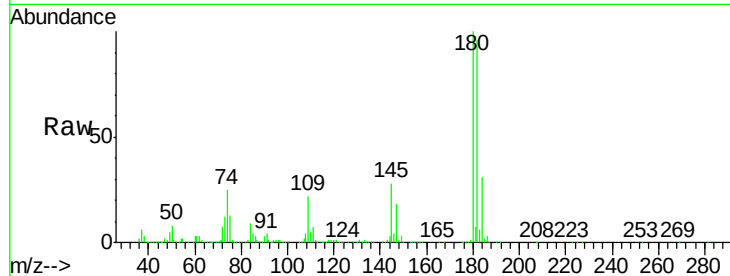




#93
 1,2,4-Trichlorobenzene
 Concen: 46.62 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

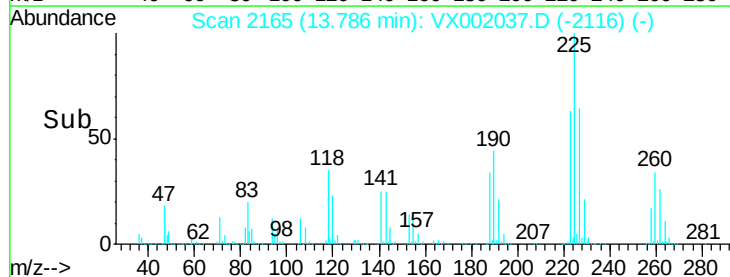
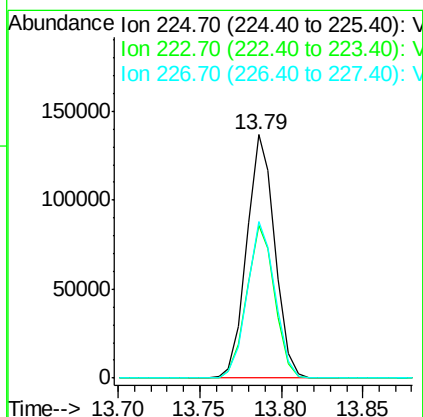
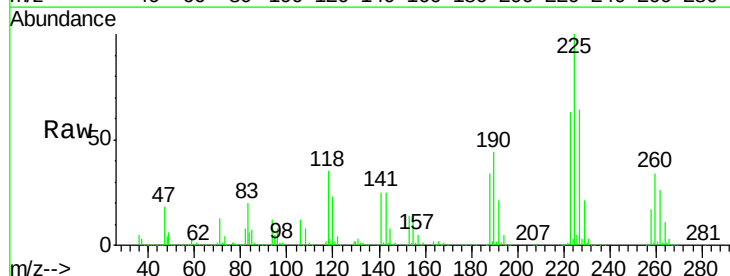
Instrument :
 MSVOA_X
 ClientSampleId :

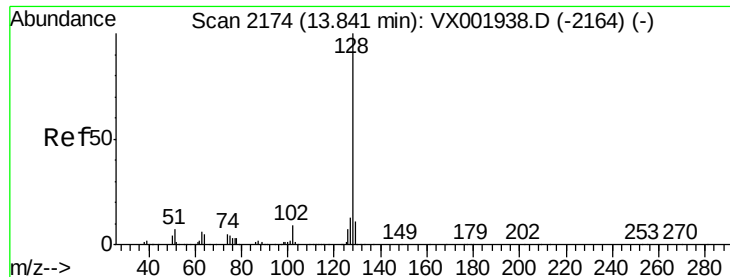
Tot Ion:180 Resp: 321641
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.7 143.1
 145 28.4 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 44.13 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

Tgt Ion:225 Resp: 163778
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.1 93.5
 227 63.8 32.1 96.5





#95

Naphthalene

Concen: 46.08 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

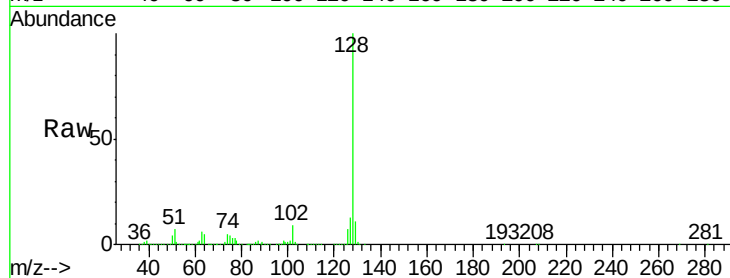
Tot Ion:128 Resp: 979416

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

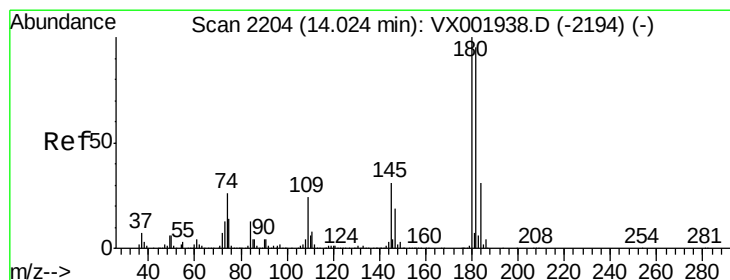
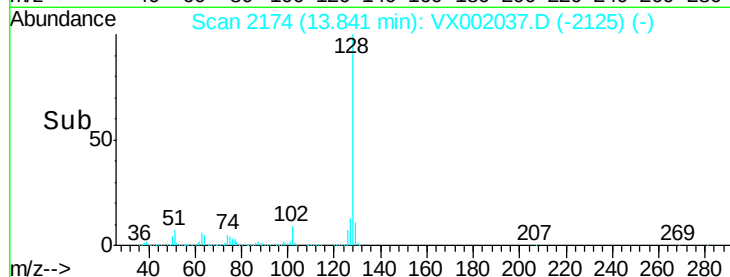
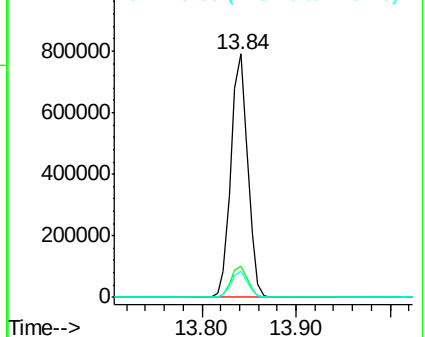
129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 46.46 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

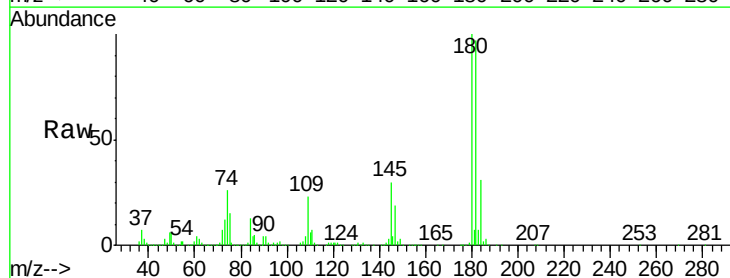
Tgt Ion:180 Resp: 331639

Ion Ratio Lower Upper

180 100

182 96.0 47.9 143.6

145 29.9 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

