

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002042.D
 Acq On : 27 May 2018 02:32
 Operator : JC/MD
 Sample : VX0526WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 28 00:43:15 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	250716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	358317	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	329355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212561	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	208145	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
35) Dibromofluoromethane	5.51	113	160554	44.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.62%	
50) Toluene-d8	8.72	98	590256	45.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.00%	
62) 4-Bromofluorobenzene	11.14	95	224243	44.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	59747	17.73	ug/l	99
3) Chloromethane	1.32	50	75121	19.47	ug/l	98
4) Vinyl Chloride	1.40	62	75425	20.25	ug/l	100
5) Bromomethane	1.64	94	48426	27.82	ug/l	97
6) Chloroethane	1.73	64	48620	22.14	ug/l	99
7) Trichlorofluoromethane	1.93	101	121727	21.76	ug/l	98
8) Diethyl Ether	2.19	74	46967	23.14	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	66918	21.44	ug/l	98
10) Methyl Iodide	2.51	142	84839	20.09	ug/l	98
11) Tert butyl alcohol	3.08	59	108544	123.39	ug/l	99
12) 1,1-Dichloroethene	2.37	96	62050	21.23	ug/l	96
13) Acrolein	2.30	56	29490	77.53	ug/l	96
14) Allyl chloride	2.73	41	130493	21.27	ug/l	99
15) Acrylonitrile	3.15	53	209273	115.69	ug/l	100
16) Acetone	2.45	43	199650	115.43	ug/l	99
17) Carbon Disulfide	2.57	76	164296	19.53	ug/l	99
18) Methyl Acetate	2.78	43	106609	25.02	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	252183	22.94	ug/l	99
20) Methylene Chloride	2.86	84	71907	23.12	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	67156	22.74	ug/l	99
22) Diisopropyl ether	3.88	45	253211	20.29	ug/l	99
23) Vinyl Acetate	3.83	43	1106789	106.99	ug/l	98
24) 1,1-Dichloroethane	3.70	63	128525	21.68	ug/l	99
25) 2-Butanone	4.71	43	315636	99.57	ug/l	99
26) 2,2-Dichloropropane	4.59	77	72973	12.16	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	74871	19.65	ug/l	99
28) Bromochloromethane	5.02	49	56637	21.58	ug/l	99
29) Tetrahydrofuran	5.17	42	202358	98.12	ug/l	99
30) Chloroform	5.22	83	129888	19.45	ug/l	98
31) Cyclohexane	5.58	56	113216	18.33	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	118645	19.06	ug/l	99
36) 1,1-Dichloropropene	5.80	75	90314	18.12	ug/l	99
37) Ethyl Acetate	4.87	43	123344	18.98	ug/l	99
38) Carbon Tetrachloride	5.79	117	103967	17.89	ug/l	100

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	109215	17.84	ug/l	94
40) Benzene	6.15	78	277636	19.01	ug/l	100
41) Methacrylonitrile	5.07	41	70194	19.64	ug/l	98
42) 1,2-Dichloroethane	6.20	62	112238	19.24	ug/l	100
43) Isopropyl Acetate	6.47	43	204684	18.91	ug/l	100
44) Trichloroethene	7.22	130	78622	18.48	ug/l	94
45) 1,2-Dichloropropane	7.52	63	76327	19.25	ug/l	98
46) Dibromomethane	7.67	93	51376	19.57	ug/l	99
47) Bromodichloromethane	7.90	83	100946	18.03	ug/l	98
48) Methyl methacrylate	7.78	41	103961	18.87	ug/l	99
49) 1,4-Dioxane	7.76	88	40808	420.26	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	648893	99.42	ug/l	99
52) Toluene	8.79	92	178510	19.21	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	111990	17.37	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	106444	16.94	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	74793	19.27	ug/l	99
56) Ethyl methacrylate	9.19	69	124285	18.61	ug/l	99
57) 1,3-Dichloropropane	9.38	76	124512	19.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	291278	98.42	ug/l	100
59) 2-Hexanone	9.50	43	495261	98.42	ug/l	100
60) Dibromochloromethane	9.59	129	82468	17.94	ug/l	99
61) 1,2-Dibromoethane	9.68	107	78781	19.34	ug/l	99
64) Tetrachloroethene	9.34	164	90626	19.19	ug/l	98
65) Chlorobenzene	10.14	112	197936	18.97	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	78474	18.62	ug/l	99
67) Ethyl Benzene	10.26	91	344702	19.01	ug/l	99
68) m/p-Xylenes	10.37	106	259523	37.45	ug/l	99
69) o-Xylene	10.70	106	132235	19.11	ug/l	100
70) Styrene	10.72	104	215099	18.74	ug/l	100
71) Bromoform	10.86	173	65887	16.49	ug/l	100
73) Isopropylbenzene	11.02	105	352778	19.60	ug/l	99
74) N-amyl acetate	6.47	43	204684	20.03	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	109377	21.50	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	133500	26.15	ug/l	79
77) Bromobenzene	11.26	156	94139	19.71	ug/l	97
78) n-propylbenzene	11.37	91	382583	18.98	ug/l	100
79) 2-Chlorotoluene	11.43	91	236322	19.99	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	292278	19.00	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	31800	14.97	ug/l	93
82) 4-Chlorotoluene	11.51	91	269667	18.97	ug/l	100
83) tert-Butylbenzene	11.77	119	290349	19.23	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	300714	18.92	ug/l	100
85) sec-Butylbenzene	11.95	105	345074	19.02	ug/l	100
86) p-Isopropyltoluene	12.07	119	306027	18.85	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	164372	19.22	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	163288	19.10	ug/l	100
89) n-Butylbenzene	12.39	91	247031	17.95	ug/l	99
90) Hexachloroethane	12.60	117	54820	17.12	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	170643	19.58	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	27898	17.43	ug/l	99

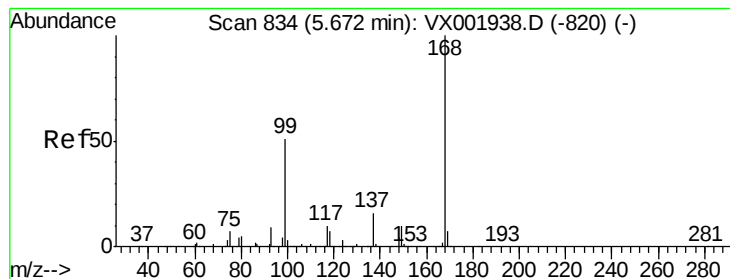
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	113942	18.29	ug/l	98
94) Hexachlorobutadiene	13.79	225	61132	18.24	ug/l	99
95) Naphthalene	13.84	128	372311	19.39	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	122631	19.02	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

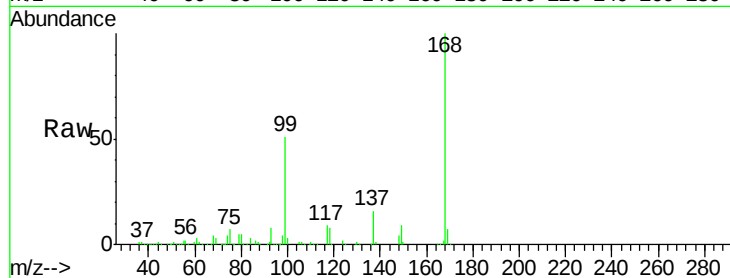
ClientSampleId :

Tot Ion:168 Resp: 250716

Ion Ratio Lower Upper

168 100

99 51.3 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

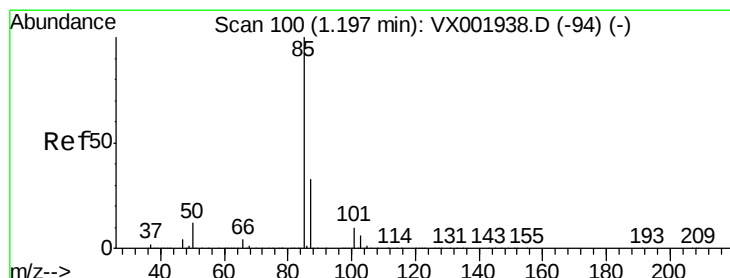
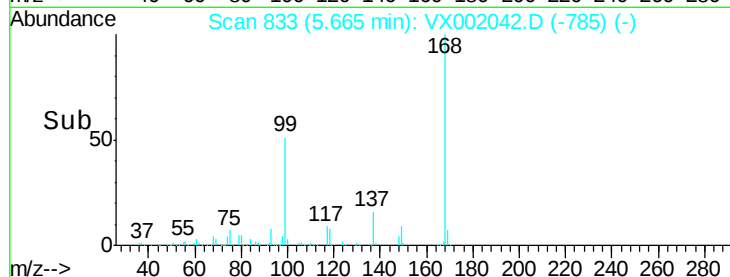
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.73 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002042.D

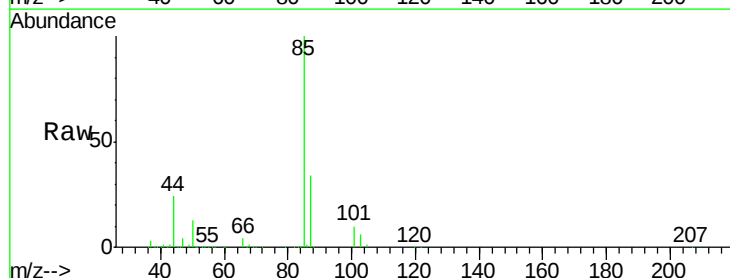
Acq: 27 May 2018 02:32

Tgt Ion: 85 Resp: 59747

Ion Ratio Lower Upper

85 100

87 33.8 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

60000

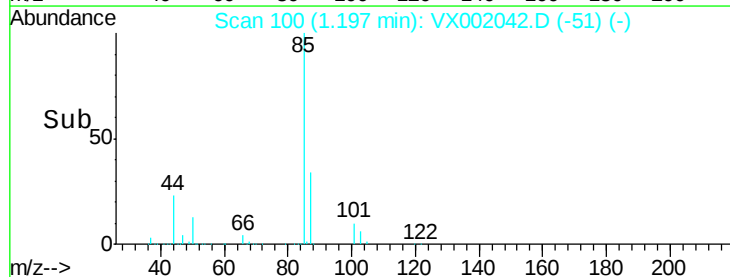
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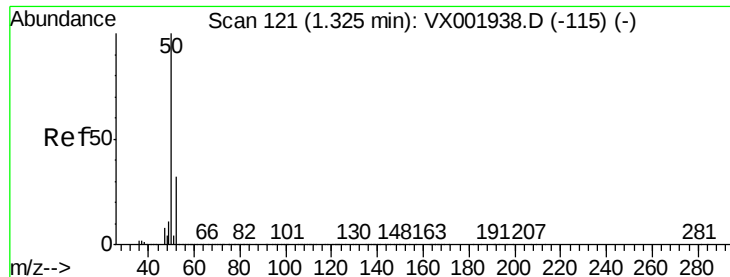
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1.10 1.15 1.20 1.25 1.30

Time-->

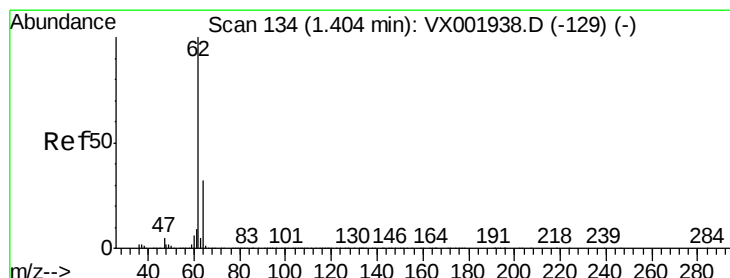
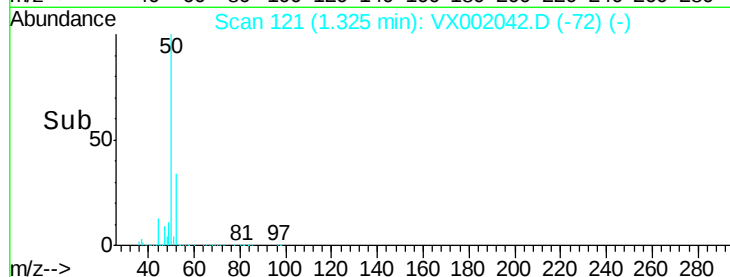
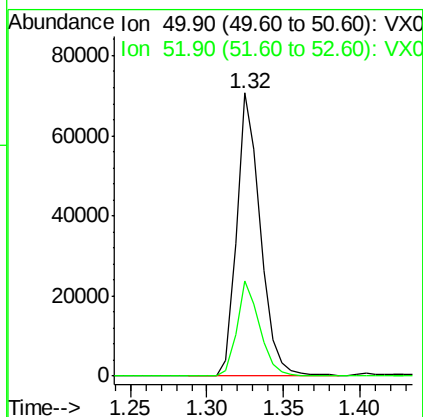
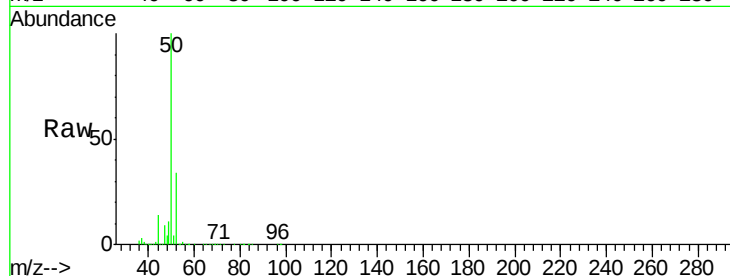




#3
Chloromethane
Concen: 19.47 ug/l
RT: 1.32 min Scan# 121
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

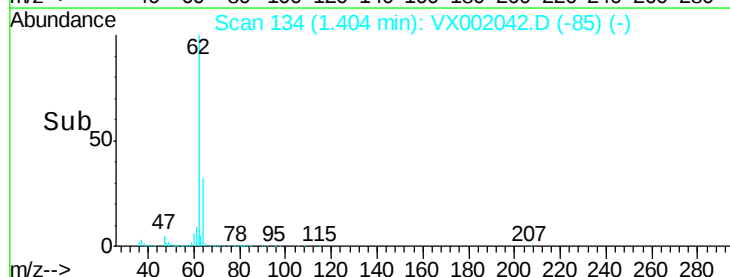
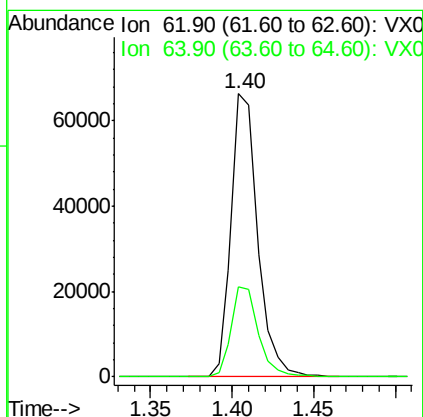
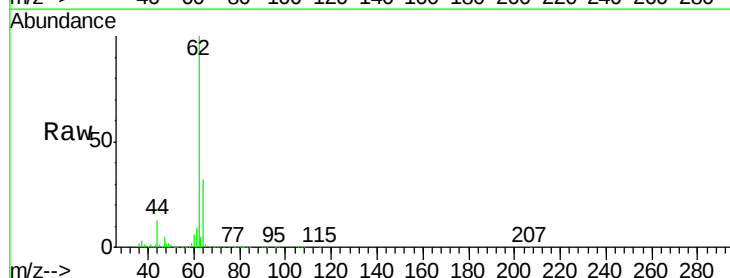
Instrument :
MSVOA_X
ClientSampled :

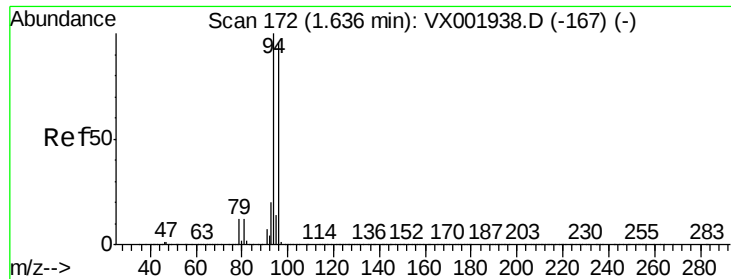
Tot Ion: 50 Resp: 75121
Ion Ratio Lower Upper
50 100
52 33.8 26.0 39.0



#4
Vinyl Chloride
Concen: 20.25 ug/l
RT: 1.40 min Scan# 134
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion: 62 Resp: 75425
Ion Ratio Lower Upper
62 100
64 31.6 25.4 38.0





#5

Bromomethane

Concen: 27.82 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

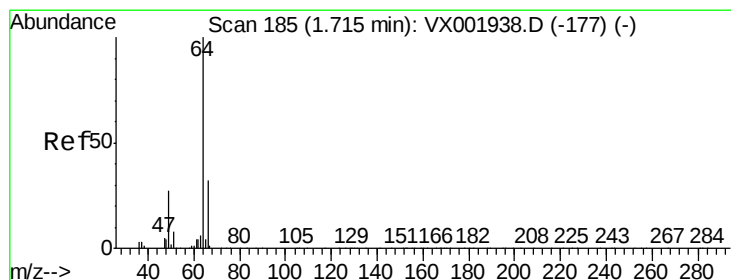
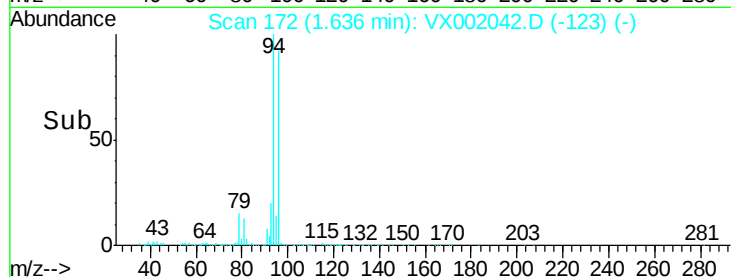
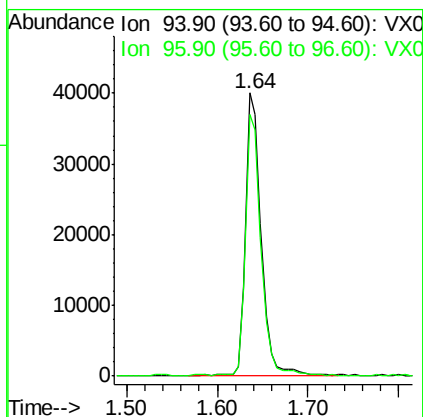
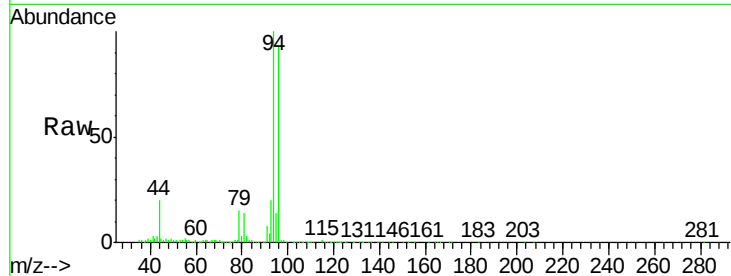
ClientSampled :

Tot Ion: 94 Resp: 48426

Ion Ratio Lower Upper

94 100

96 92.3 75.9 113.9



#6

Chloroethane

Concen: 22.14 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002042.D

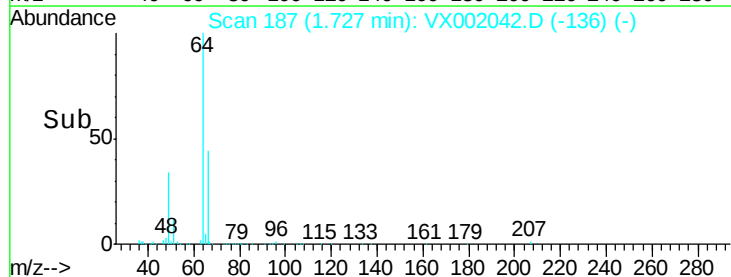
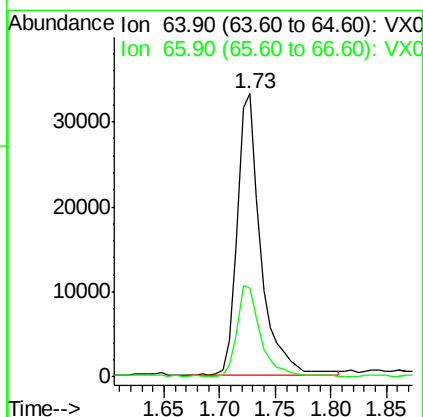
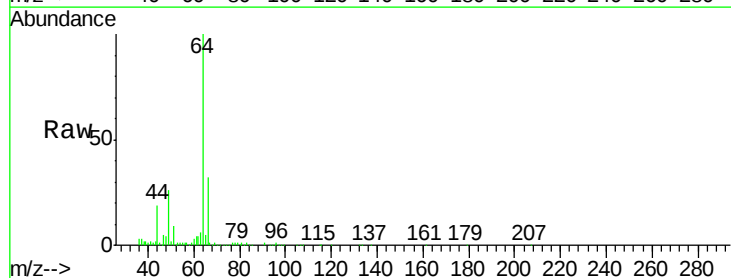
Acq: 27 May 2018 02:32

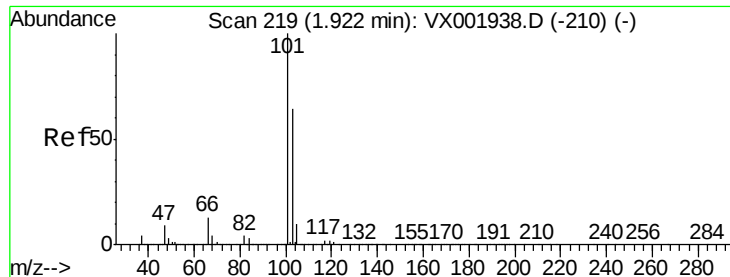
Tgt Ion: 64 Resp: 48620

Ion Ratio Lower Upper

64 100

66 31.5 25.6 38.4



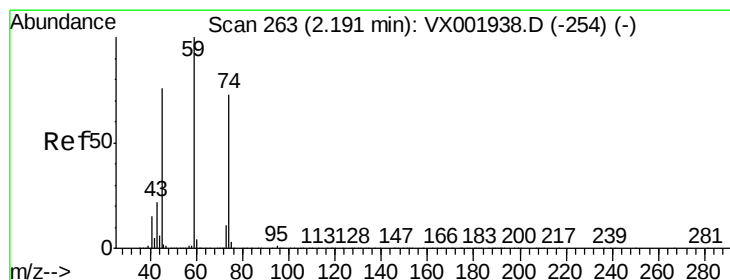
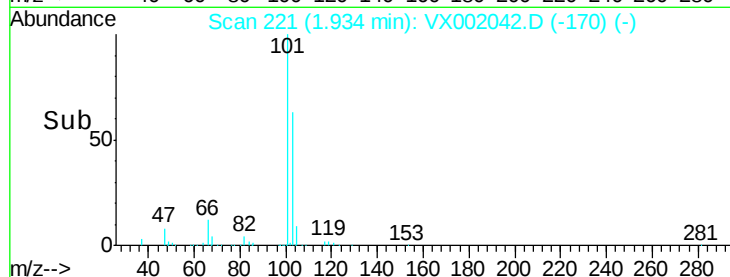
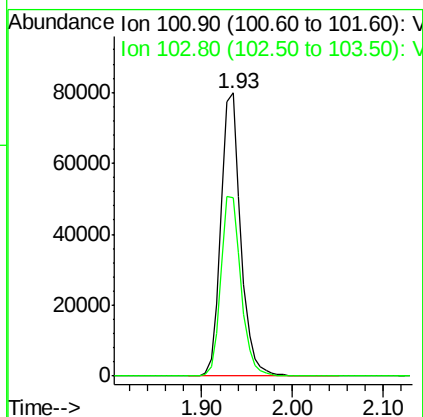
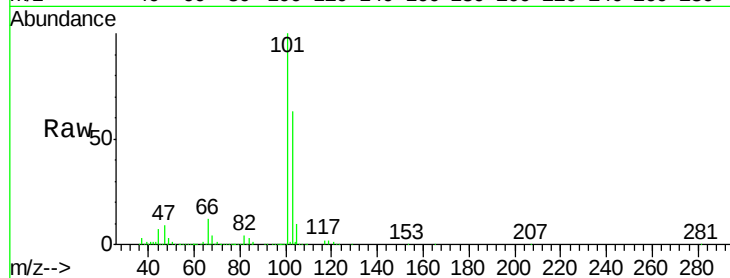


#7

Trichlorofluoromethane
Concen: 21.76 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Instrument :
MSVOA_X
ClientSampled :

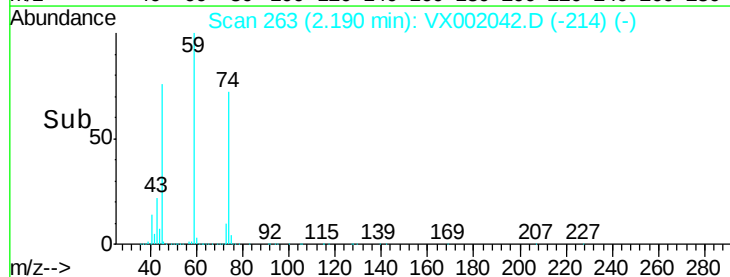
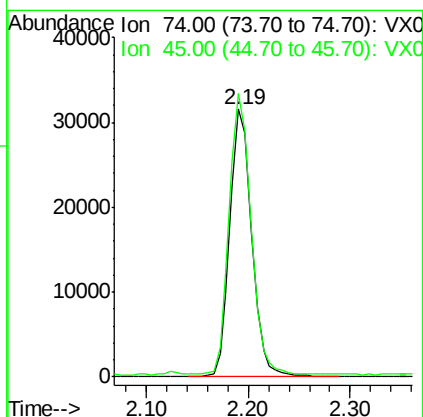
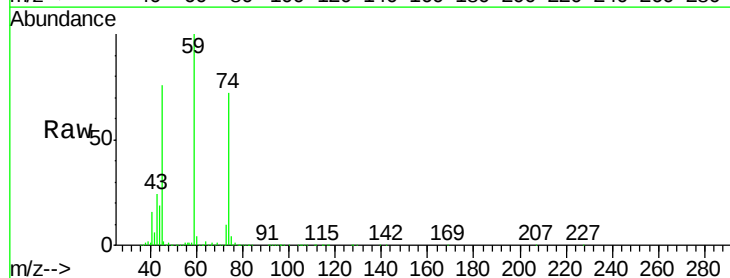
Tot Ion:101 Resp: 121727
Ion Ratio Lower Upper
101 100
103 62.9 51.4 77.0

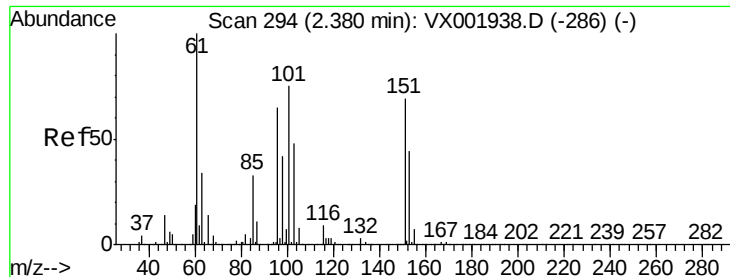


#8

Diethyl Ether
Concen: 23.14 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion: 74 Resp: 46967
Ion Ratio Lower Upper
74 100
45 103.2 51.5 154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.44 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

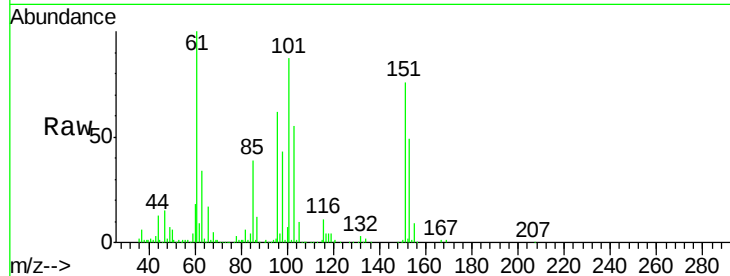
Tot Ion:101 Resp: 66918

Ion Ratio Lower Upper

101 100

85 45.7 35.6 53.4

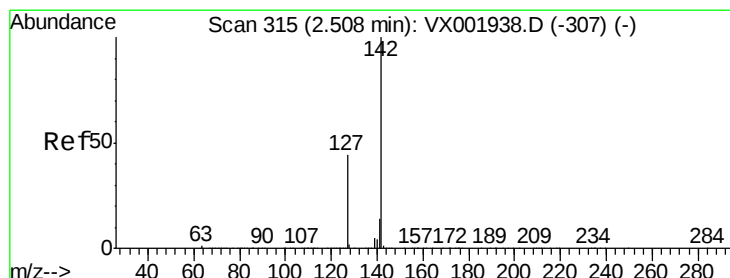
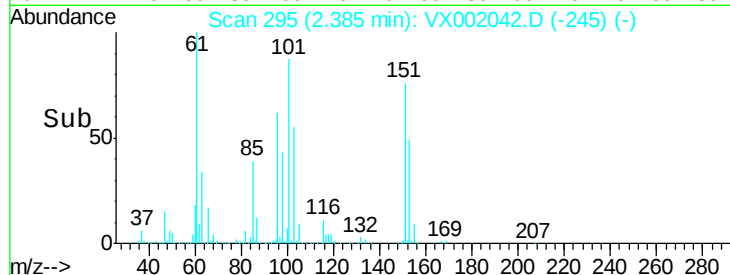
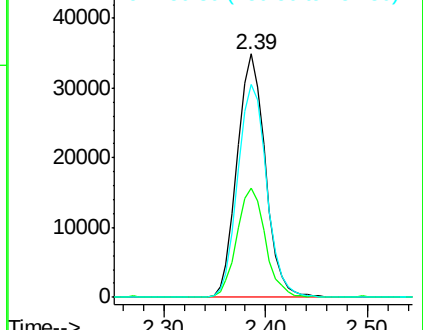
151 89.7 73.2 109.8



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: 20.09 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

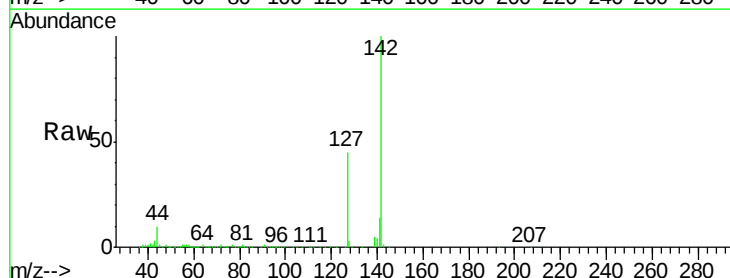
Tgt Ion:142 Resp: 84839

Ion Ratio Lower Upper

142 100

127 45.9 35.5 53.3

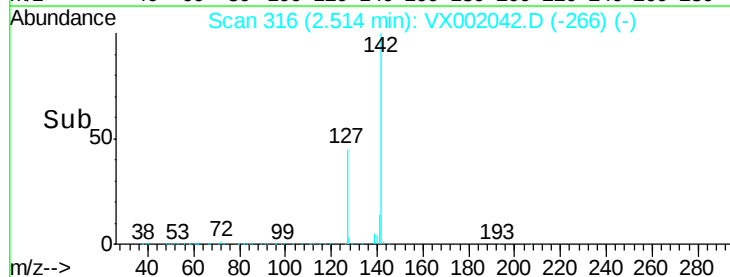
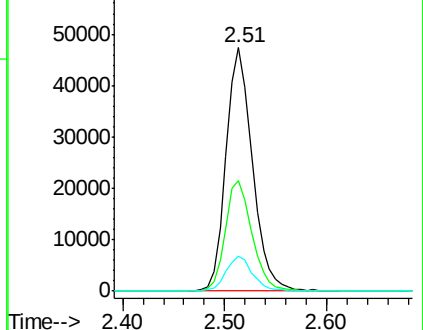
141 14.6 11.3 16.9

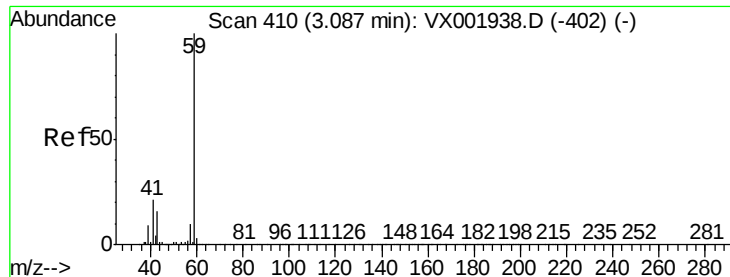


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



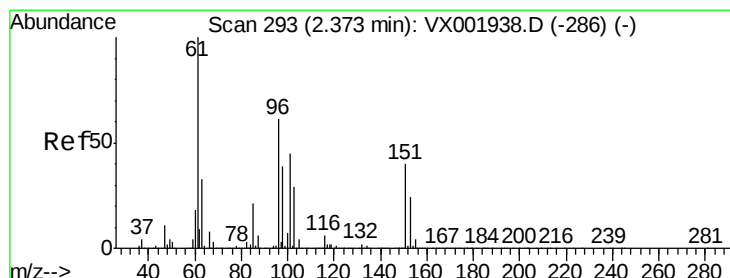
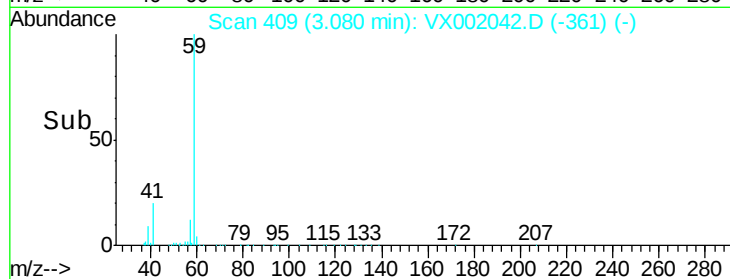
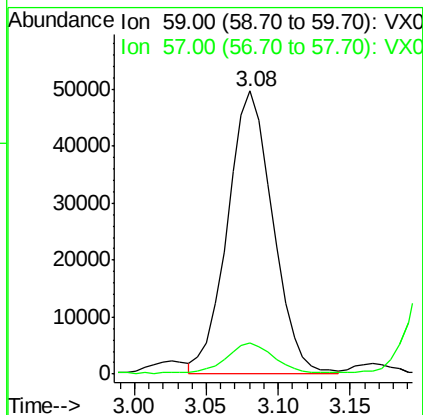
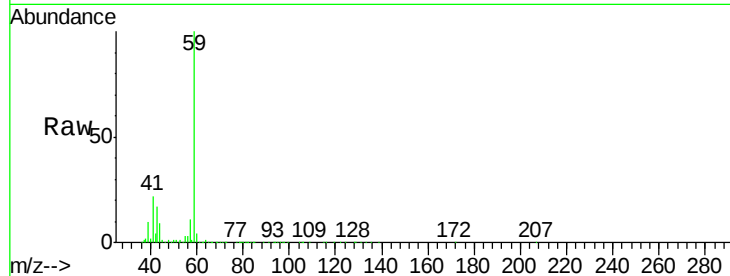


#11

Tert butyl alcohol
 Concen: 123.39 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX002042.D
 Acq: 27 May 2018 02:32

Instrument :
 MSVOA_X
 ClientSampled :

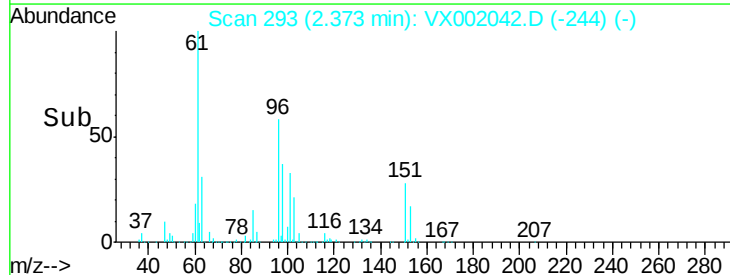
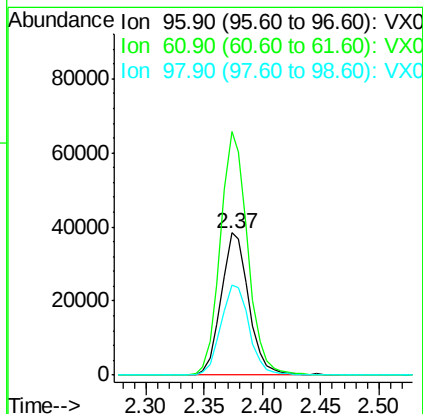
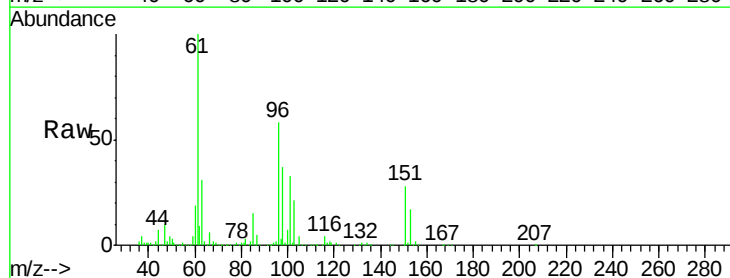
Tot Ion: 59 Resp: 108544
 Ion Ratio Lower Upper
 59 100
 57 11.3 8.9 13.3

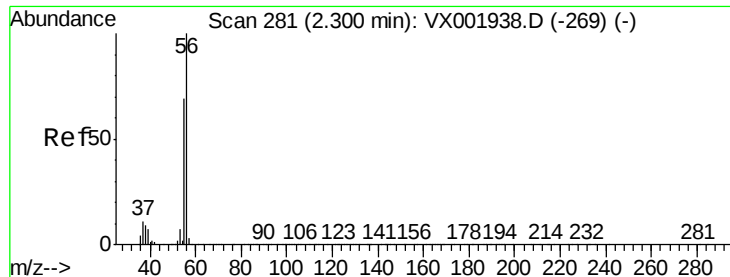


#12

1,1-Dichloroethene
 Concen: 21.23 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002042.D
 Acq: 27 May 2018 02:32

Tgt Ion: 96 Resp: 62050
 Ion Ratio Lower Upper
 96 100
 61 171.5 131.7 197.5
 98 63.4 51.6 77.4





#13

Acrolein

Concen: 77.53 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

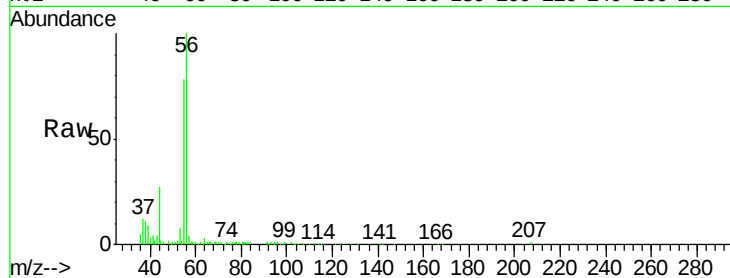
ClientSampleId :

Tot Ion: 56 Resp: 29490

Ion Ratio Lower Upper

56 100

55 74.6 56.8 85.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

20000

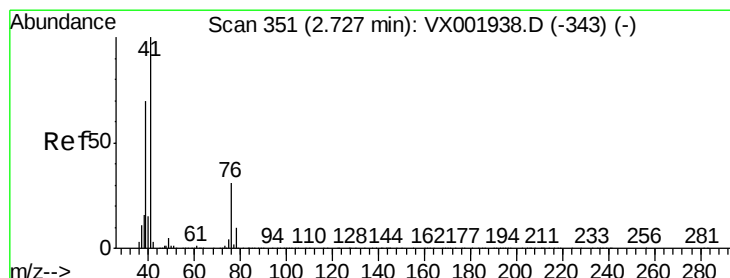
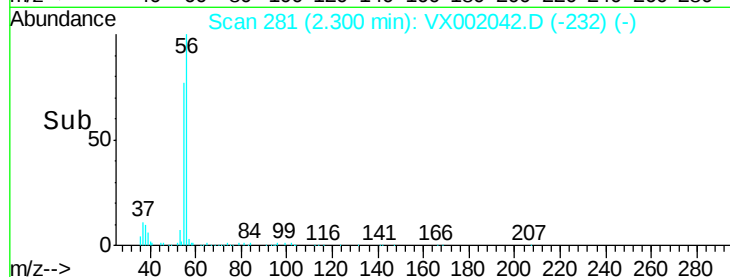
15000

10000

5000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 21.27 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

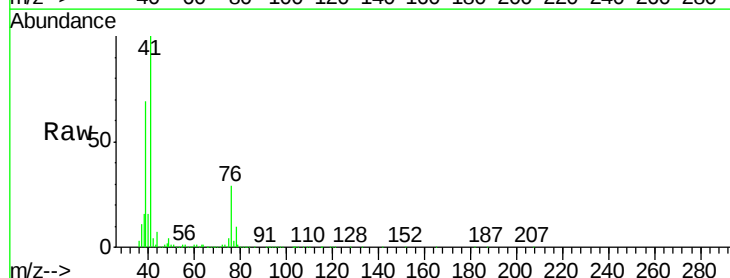
Tgt Ion: 41 Resp: 130493

Ion Ratio Lower Upper

41 100

39 68.8 54.3 81.5

76 29.5 24.2 36.4



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

80000

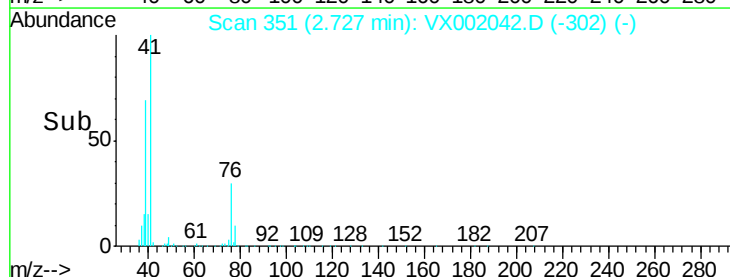
60000

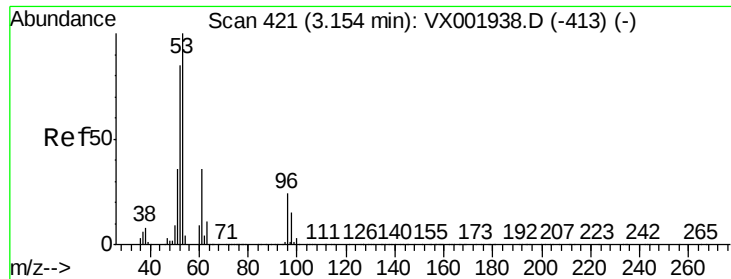
40000

20000

0

Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 115.69 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

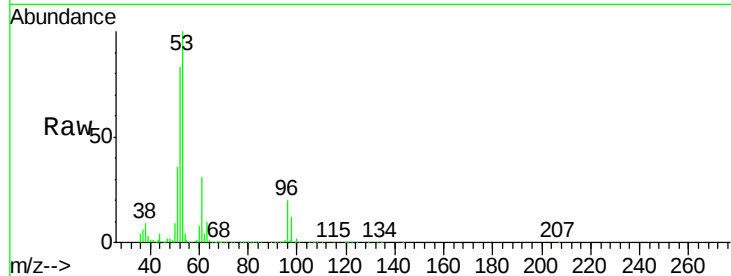
Tot Ion: 53 Resp: 209273

Ion Ratio Lower Upper

53 100

52 82.9 66.4 99.6

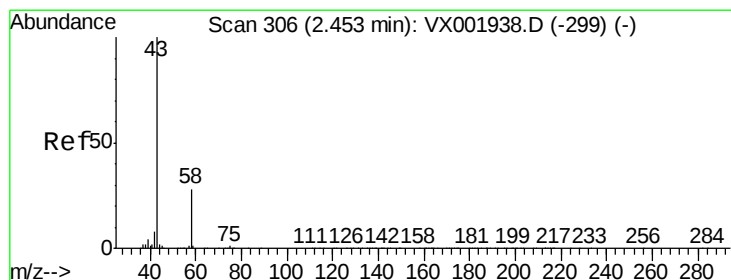
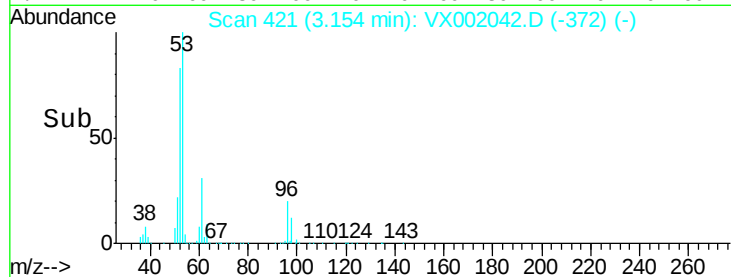
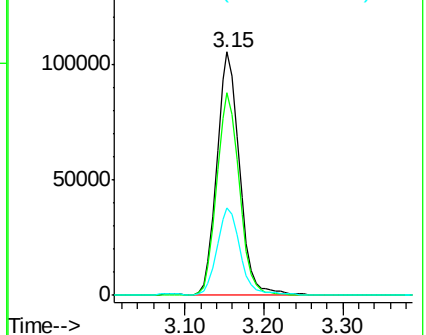
51 36.7 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 115.43 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002042.D

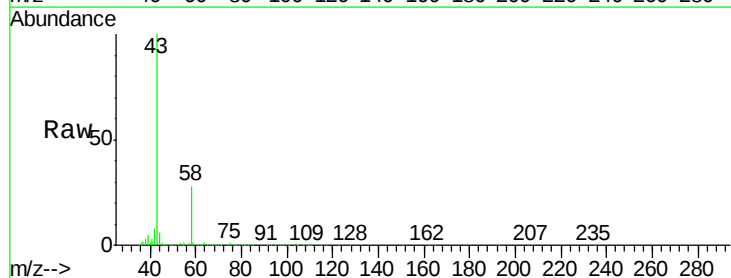
Acq: 27 May 2018 02:32

Tgt Ion: 43 Resp: 199650

Ion Ratio Lower Upper

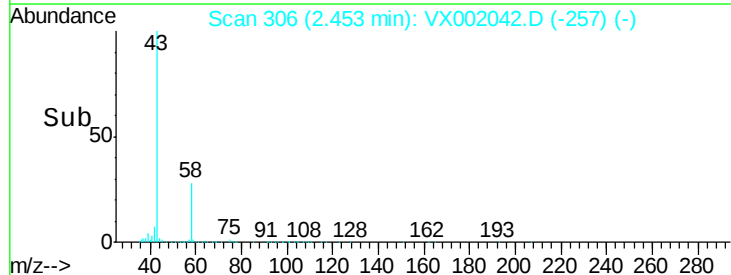
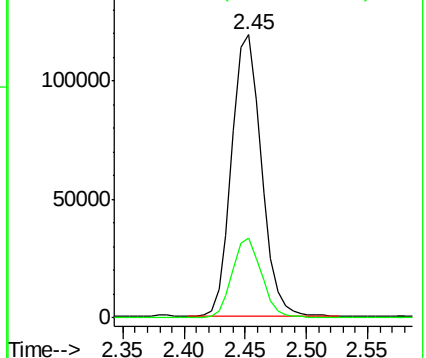
43 100

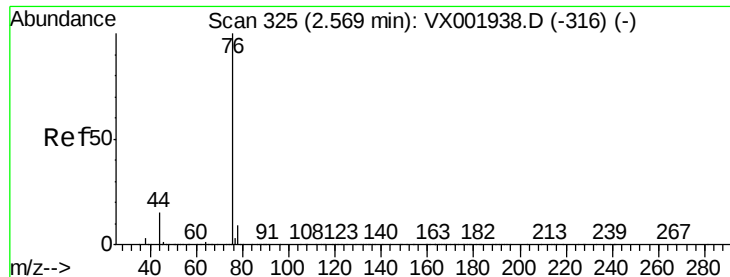
58 28.3 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 19.53 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

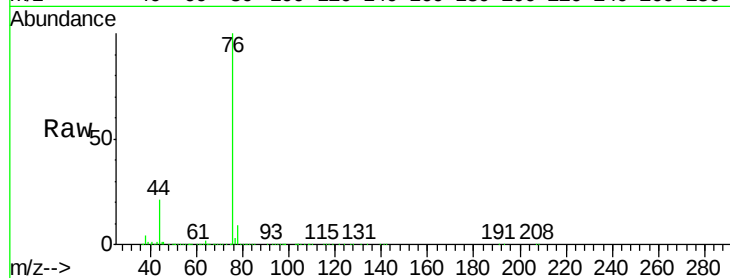
ClientSampleId :

Tot Ion: 76 Resp: 164296

Ion Ratio Lower Upper

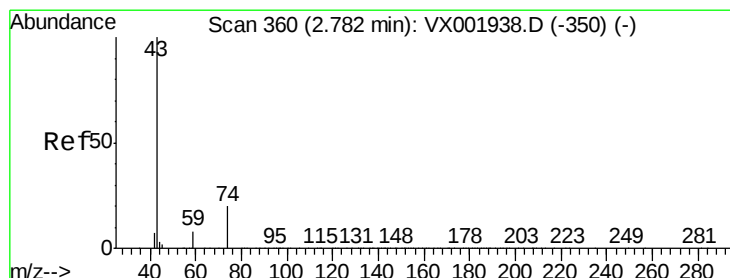
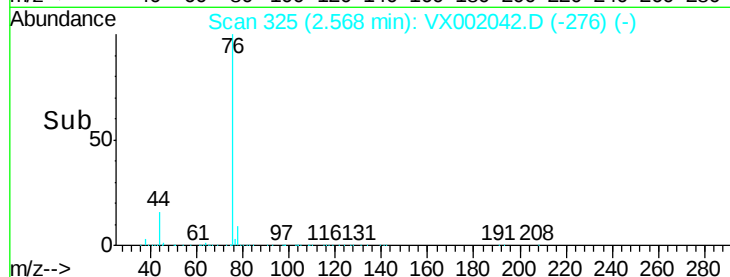
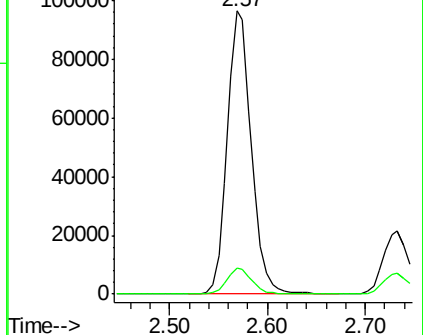
76 100

78 9.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 25.02 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002042.D

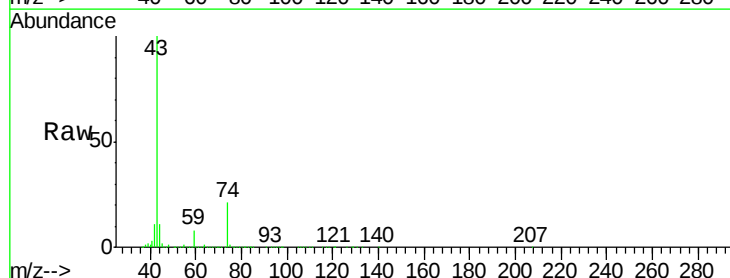
Acq: 27 May 2018 02:32

Tgt Ion: 43 Resp: 106609

Ion Ratio Lower Upper

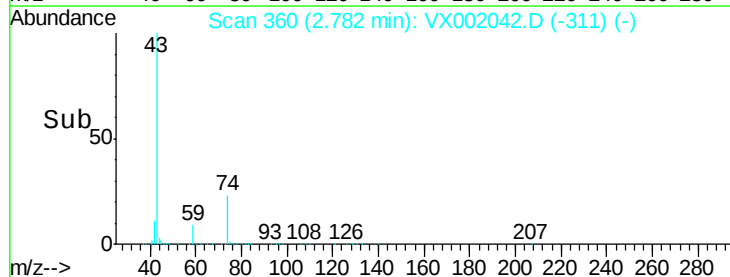
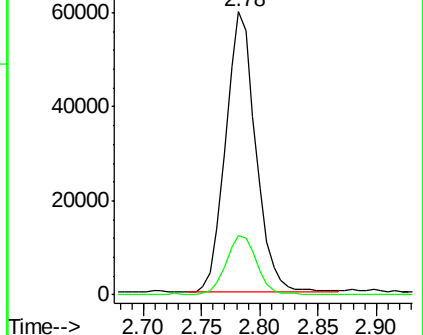
43 100

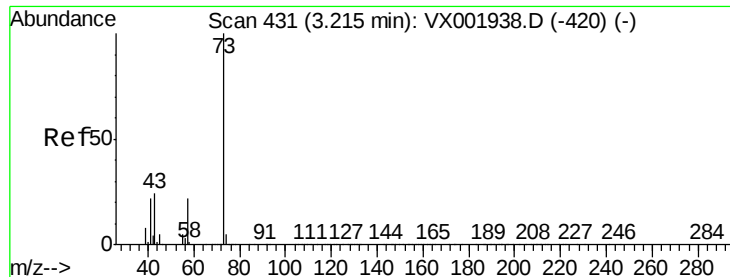
74 21.4 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



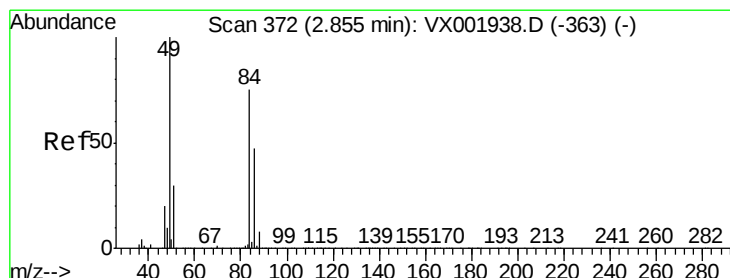
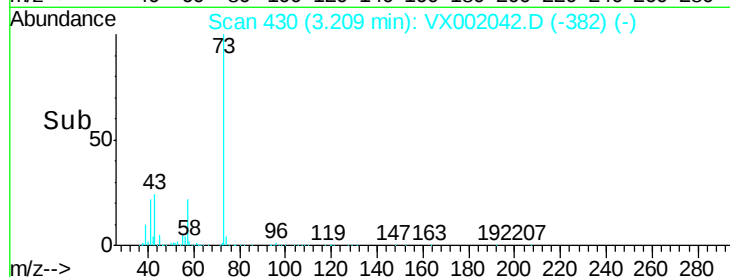
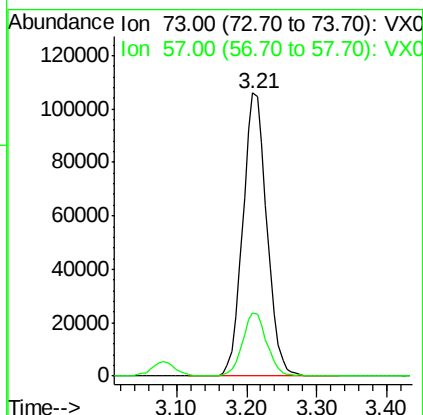
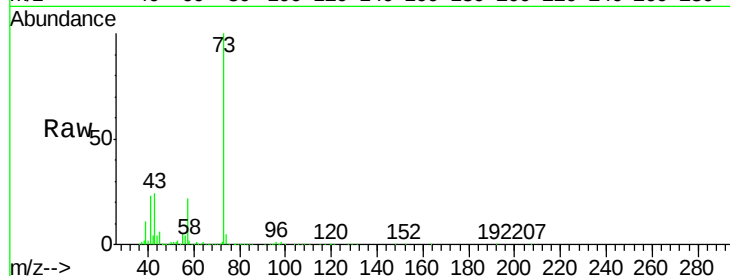


#19

Methyl tert-butyl Ether
 Concen: 22.94 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VX002042.D
 Acq: 27 May 2018 02:32

Instrument :
 MSVOA_X
 ClientSampleId :

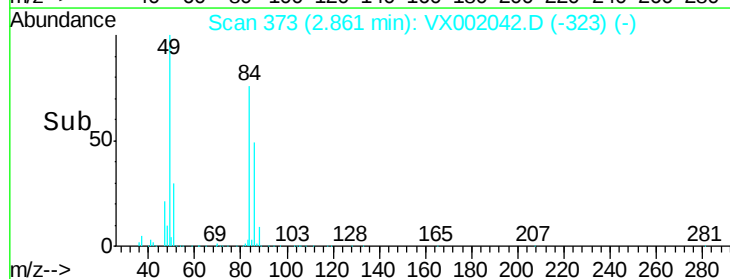
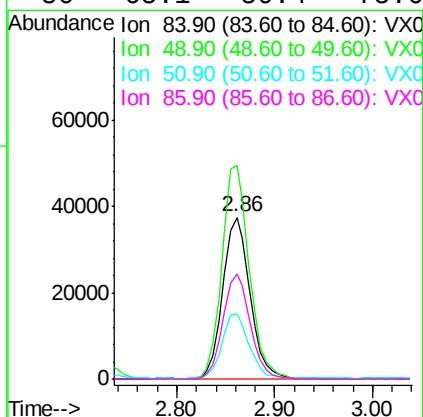
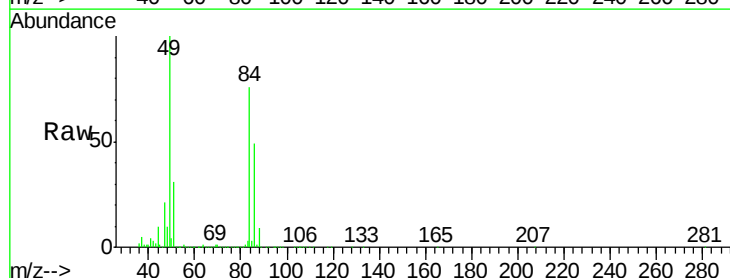
Tot Ion: 73 Resp: 252183
 Ion Ratio Lower Upper
 73 100
 57 22.0 17.4 26.0

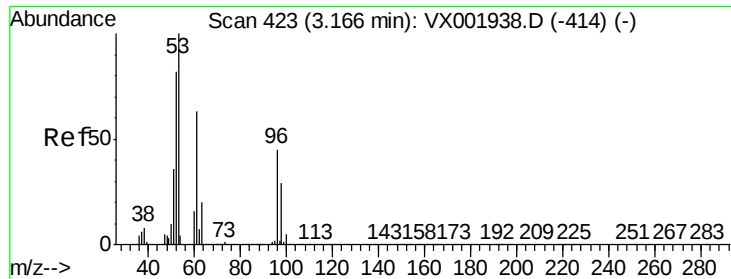


#20

Methylene Chloride
 Concen: 23.12 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.01 min
 Lab File: VX002042.D
 Acq: 27 May 2018 02:32

Tgt Ion: 84 Resp: 71907
 Ion Ratio Lower Upper
 84 100
 49 132.4 107.2 160.8
 51 40.0 32.4 48.6
 86 65.1 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 22.74 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

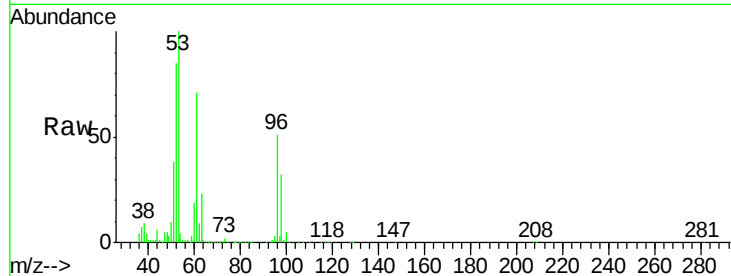
Tot Ion: 96 Resp: 67156

Ion Ratio Lower Upper

96 100

61 140.5 113.3 169.9

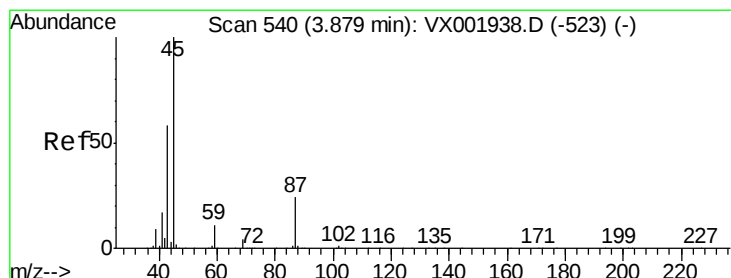
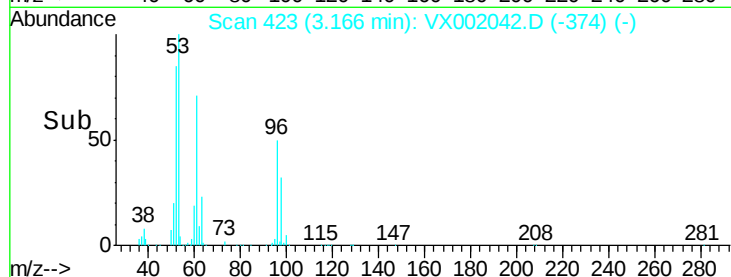
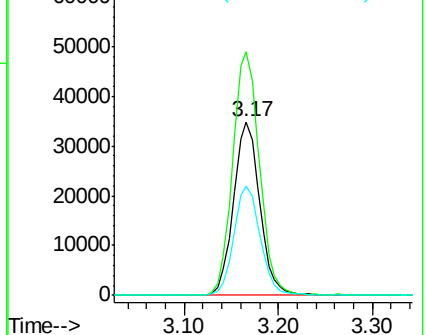
98 62.9 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.29 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Tgt Ion: 45 Resp: 253211

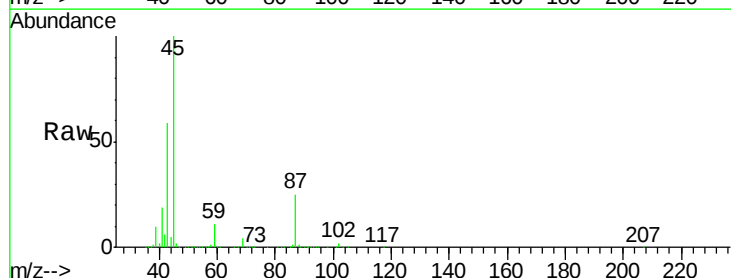
Ion Ratio Lower Upper

45 100

43 58.4 47.0 70.6

87 24.6 19.4 29.0

59 11.0 8.5 12.7

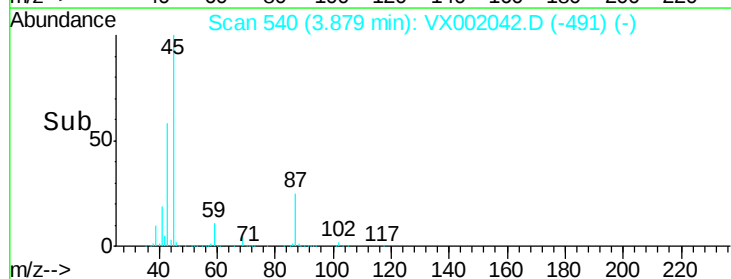
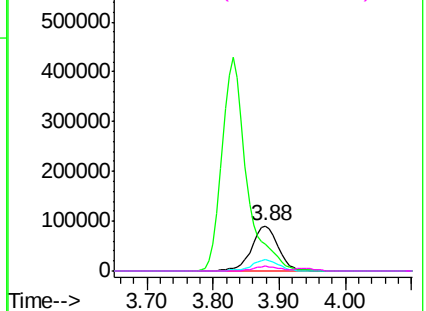


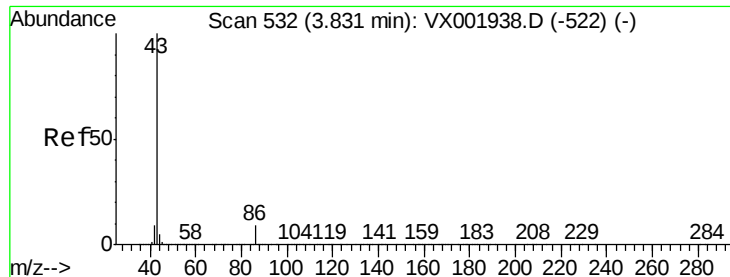
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 106.99 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

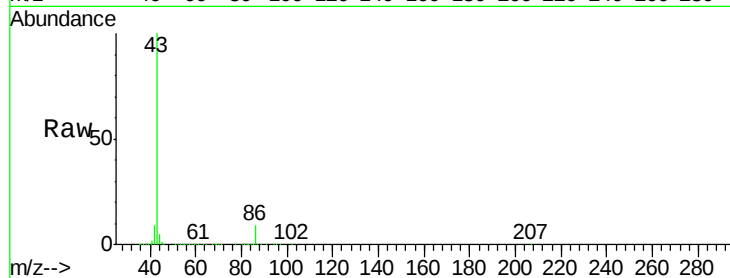
ClientSampleId :

Tot Ion: 43 Resp: 1106789

Ion Ratio Lower Upper

43 100

86 8.8 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

400000

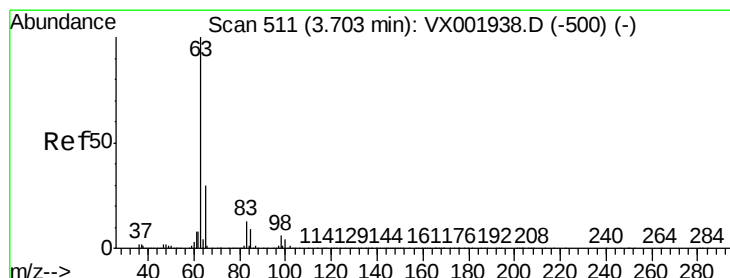
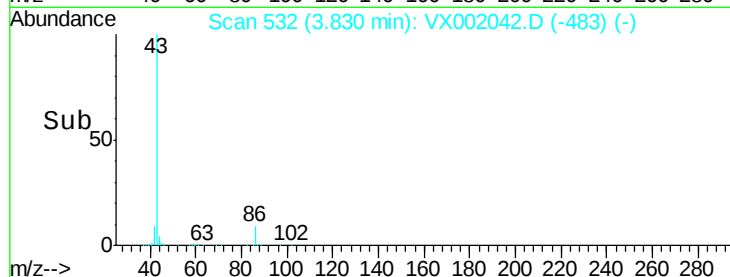
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.68 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

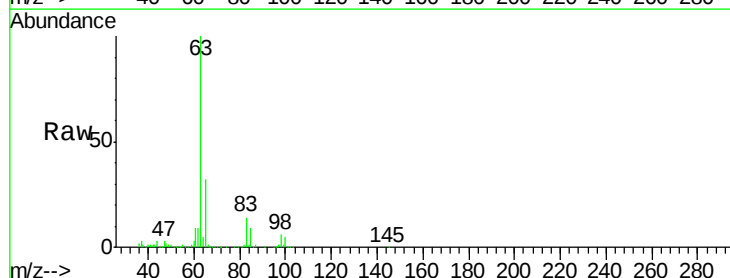
Tgt Ion: 63 Resp: 128525

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.8

100 4.5 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

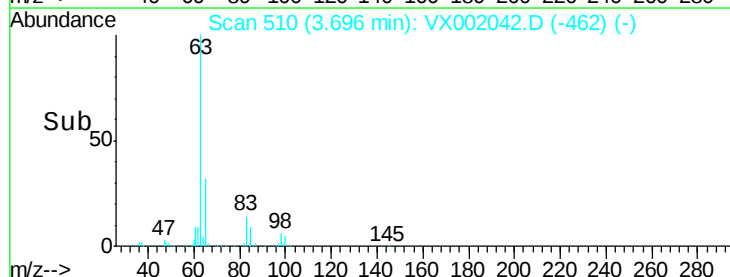
60000

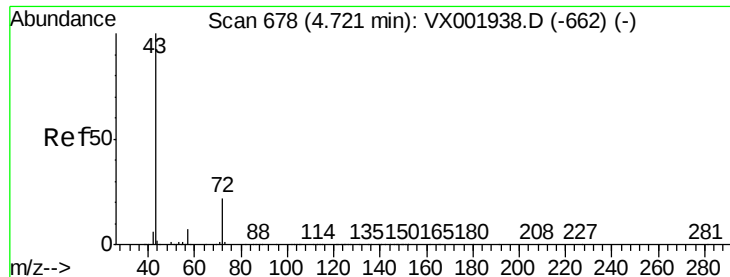
40000

20000

0

Time-->





#25

2-Butanone

Concen: 99.57 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

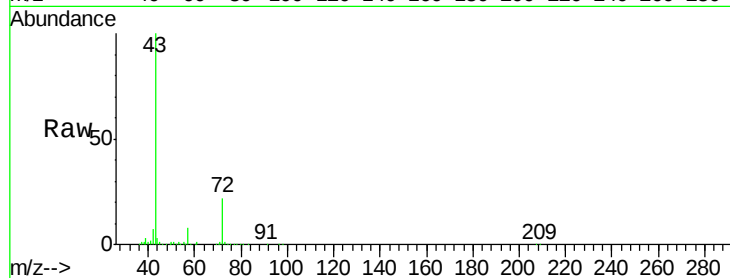
ClientSampleId :

Tot Ion: 43 Resp: 315636

Ion Ratio Lower Upper

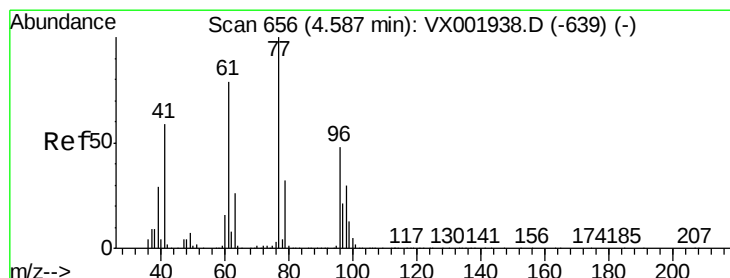
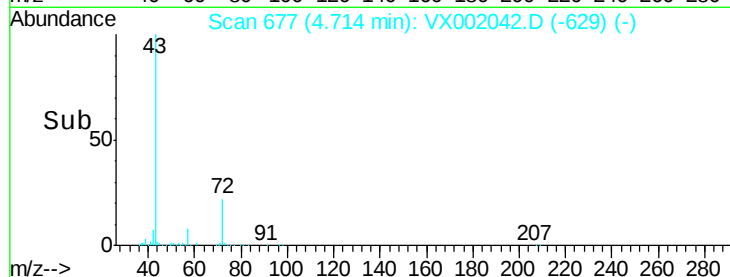
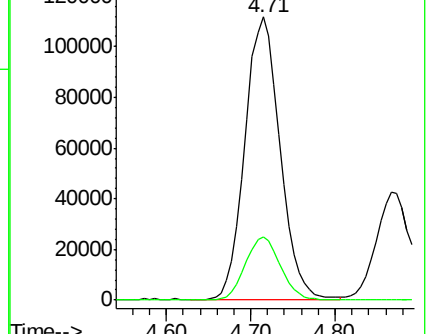
43 100

72 22.1 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 12.16 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002042.D

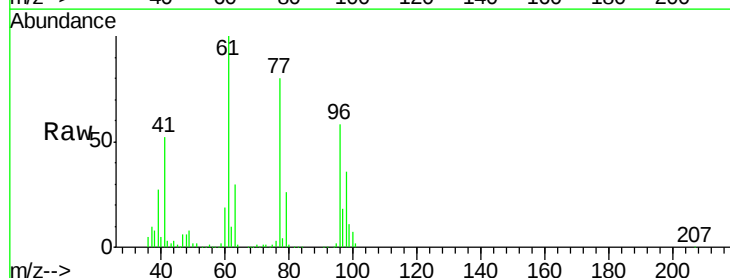
Acq: 27 May 2018 02:32

Tgt Ion: 77 Resp: 72973

Ion Ratio Lower Upper

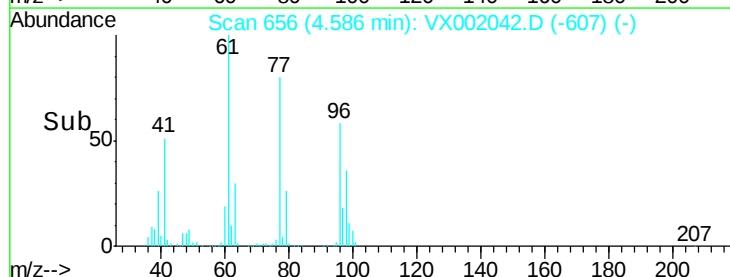
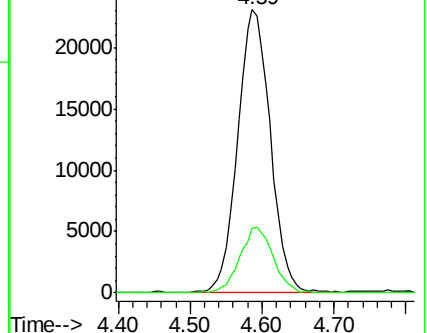
77 100

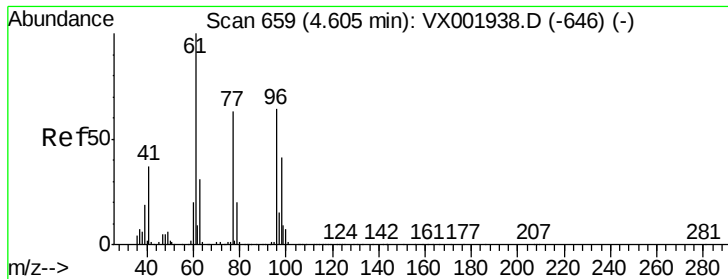
97 23.6 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



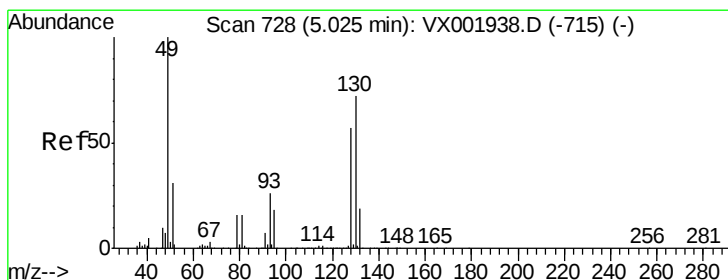
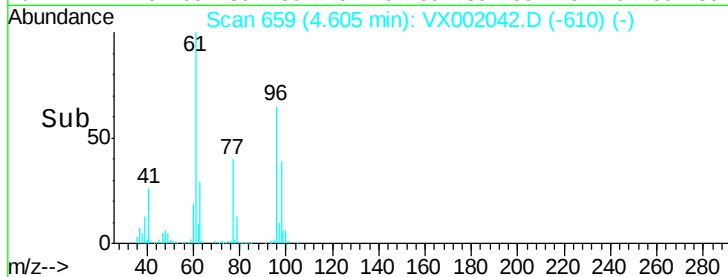
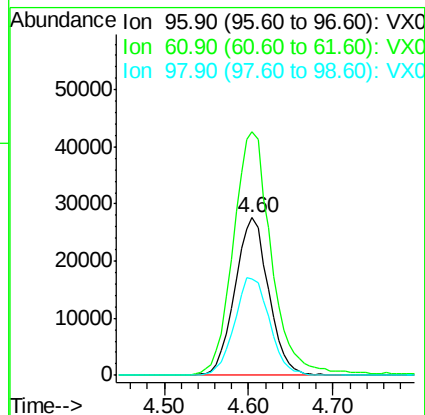
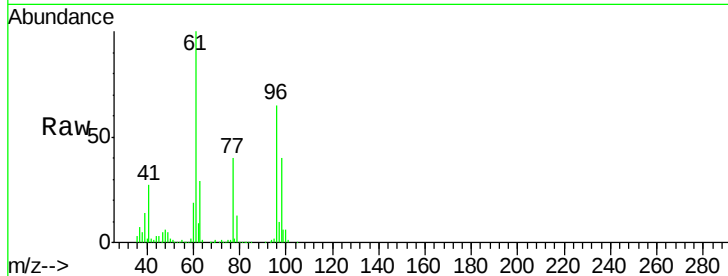


#27

cis-1,2-Dichloroethene
Concen: 19.65 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Instrument :
MSVOA_X
ClientSampled :

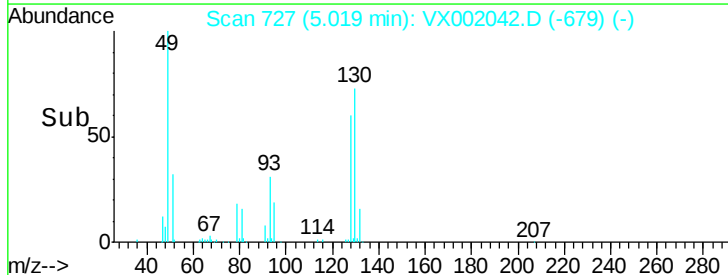
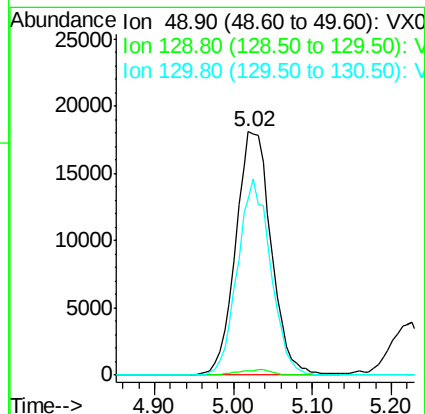
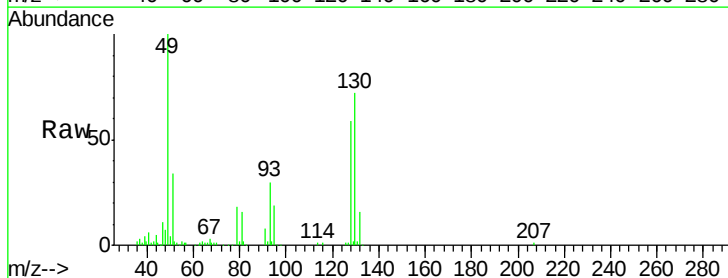
Tot Ion	96	Resp	74871
Ion	Ratio	Lower	Upper
96	100		
61	176.4	0.0	348.4
98	64.3	0.0	128.6

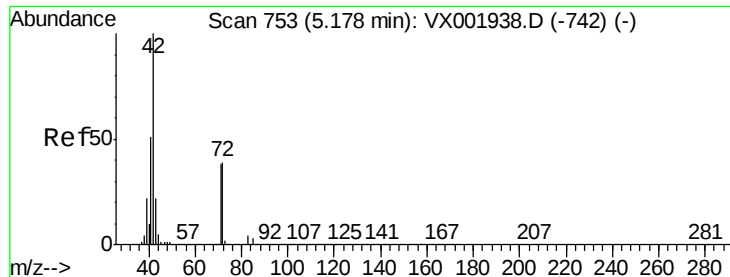


#28

Bromochloromethane
Concen: 21.58 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion	49	Resp	56637
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	75.0	59.4	89.2





#29

Tetrahydrofuran

Concen: 98.12 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

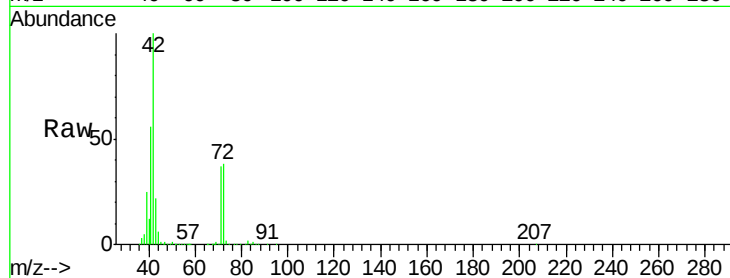
Tot Ion: 42 Resp: 202358

Ion Ratio Lower Upper

42 100

72 39.6 31.4 47.0

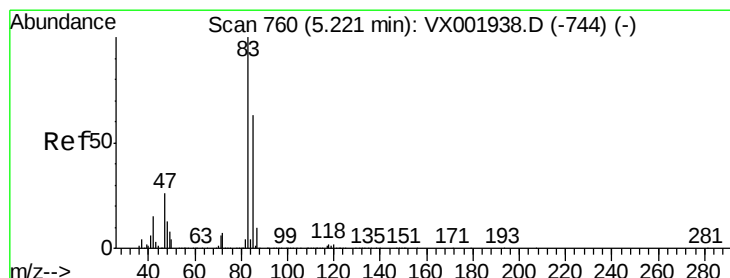
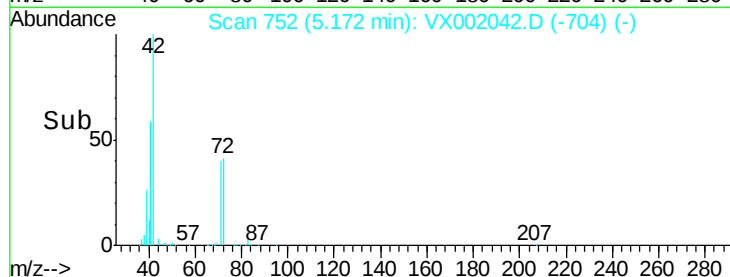
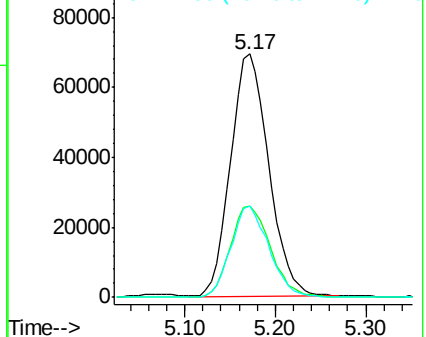
71 37.6 29.5 44.3



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: 19.45 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX002042.D

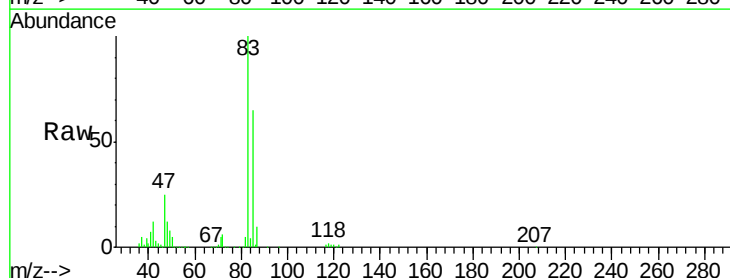
Acq: 27 May 2018 02:32

Tgt Ion: 83 Resp: 129888

Ion Ratio Lower Upper

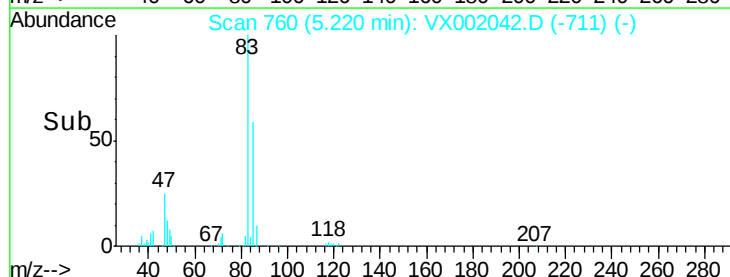
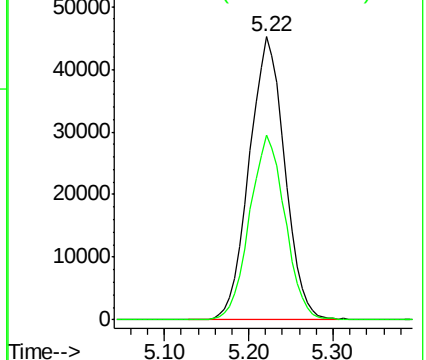
83 100

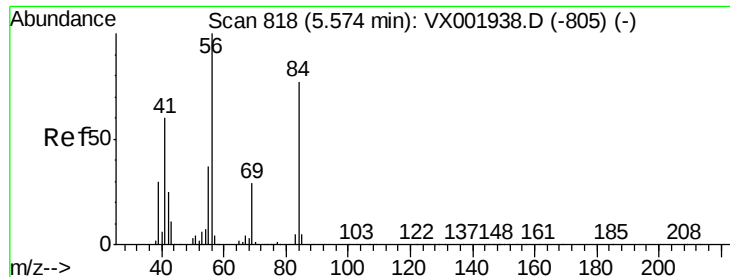
85 65.2 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

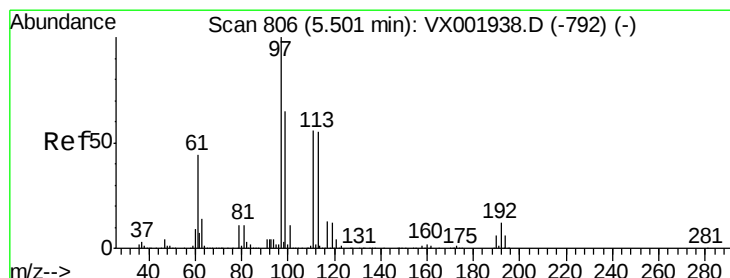
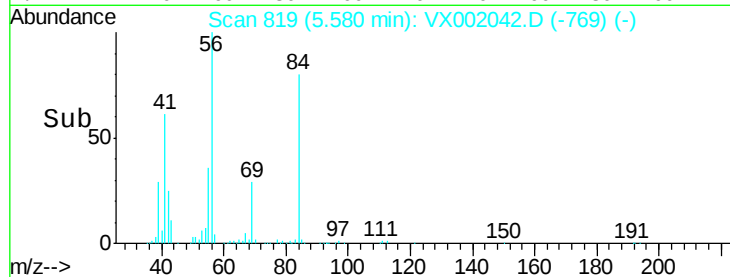
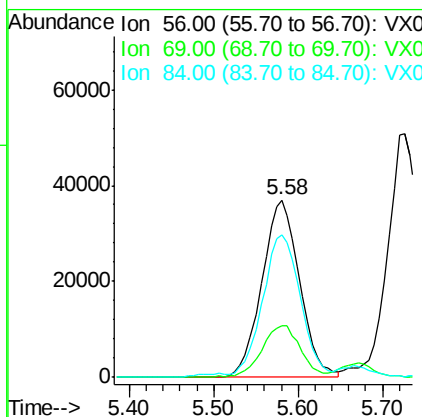
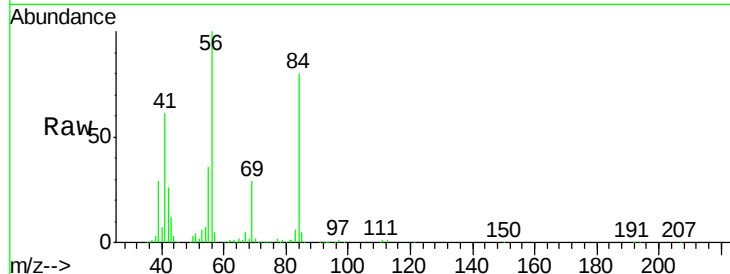




#31
Cyclohexane
Concen: 18.33 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

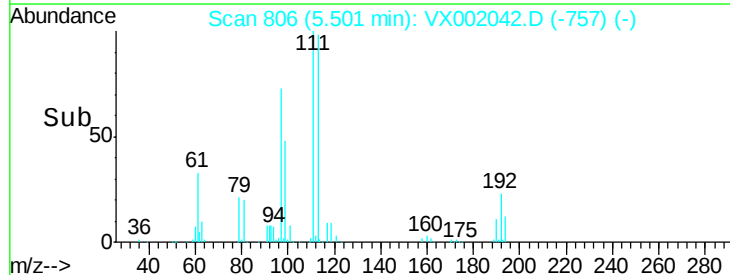
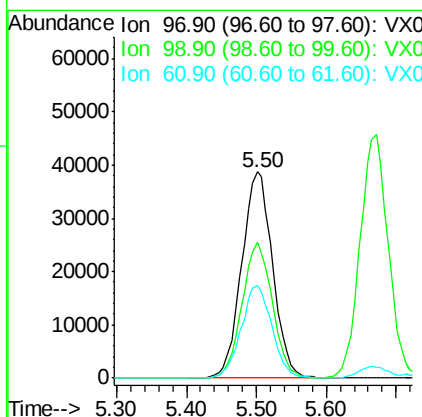
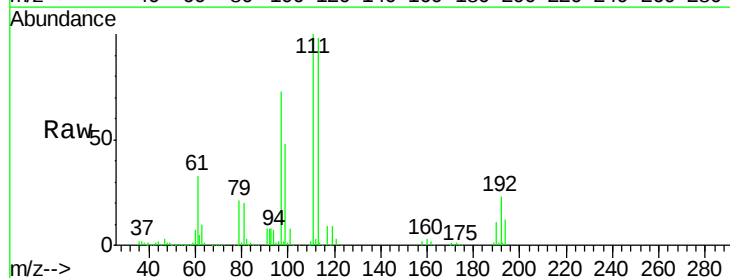
Instrument :
MSVOA_X
ClientSampleId :

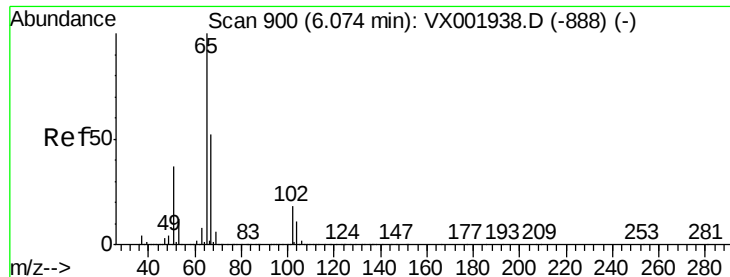
Tot Ion: 56 Resp: 113216
Ion Ratio Lower Upper
56 100
69 28.6 23.1 34.7
84 79.7 62.0 93.0



#32
1,1,1-Trichloroethane
Concen: 19.06 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion: 97 Resp: 118645
Ion Ratio Lower Upper
97 100
99 64.3 51.9 77.9
61 44.8 35.9 53.9





#33

1,2-Dichloroethane-d4

Concen: 46.44 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

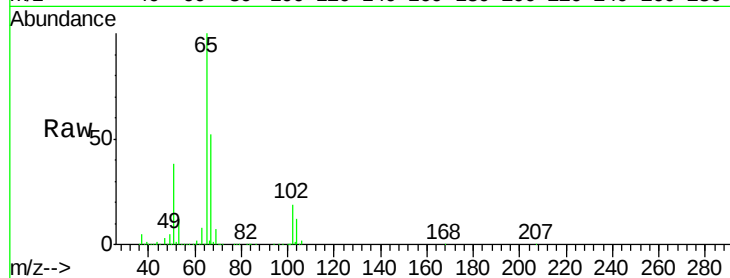
ClientSampleId :

Tot Ion: 65 Resp: 208145

Ion Ratio Lower Upper

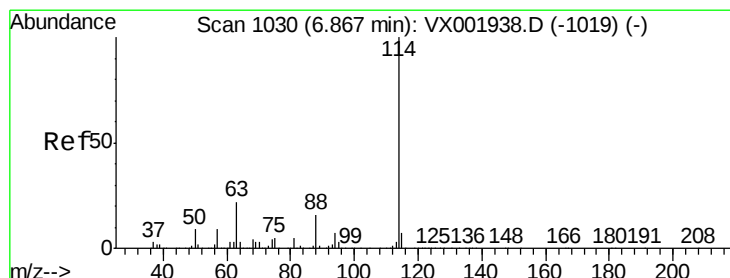
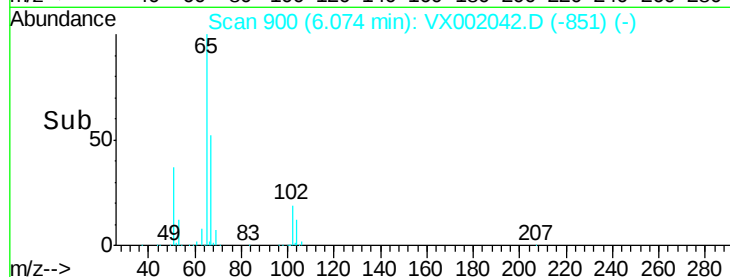
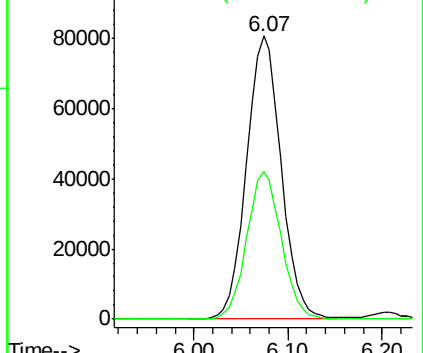
65 100

67 51.8 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

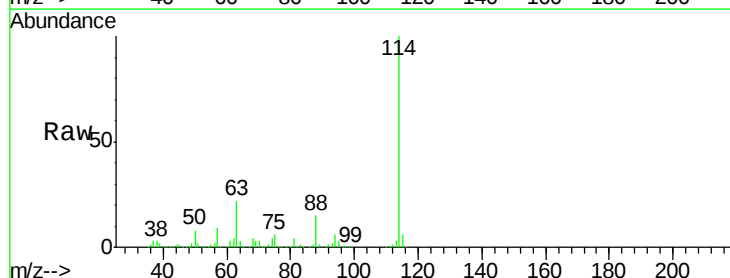
Tgt Ion: 114 Resp: 358317

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.2

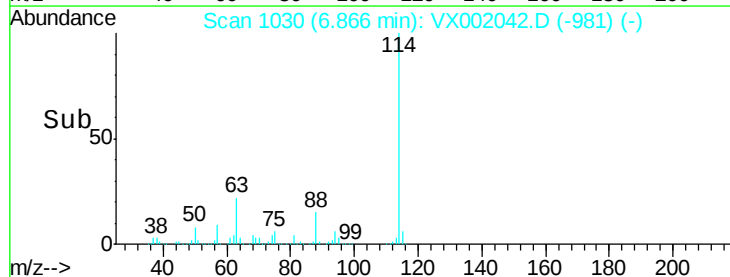
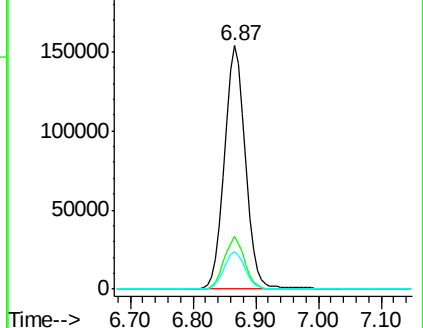
88 15.3 0.0 31.6

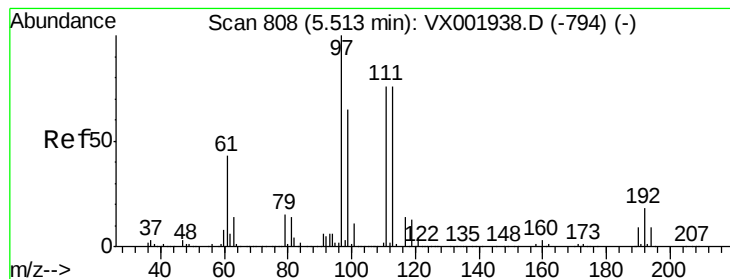


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 44.81 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

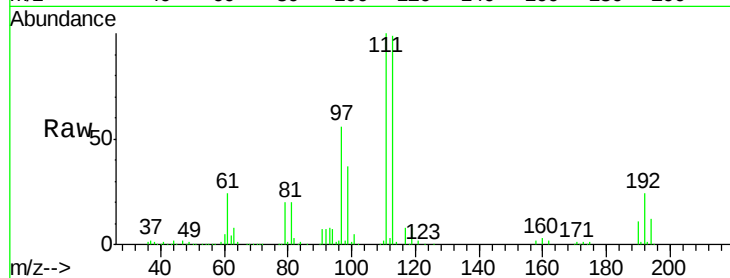
Tot Ion:113 Resp: 160554

Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

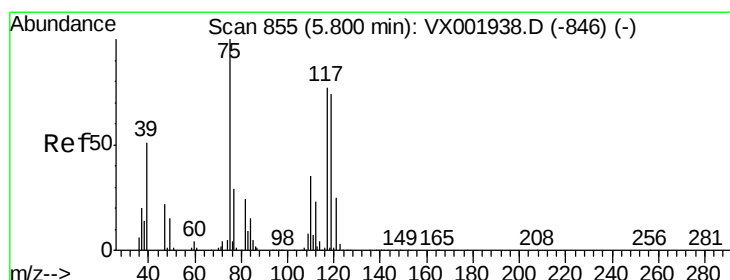
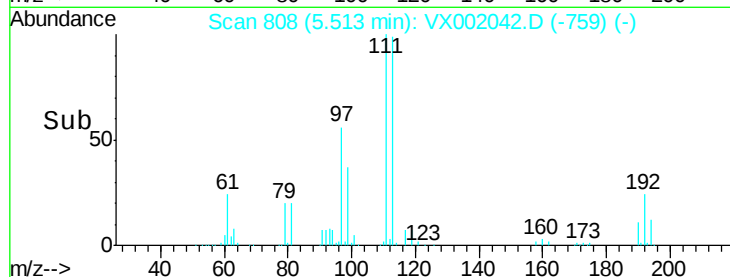
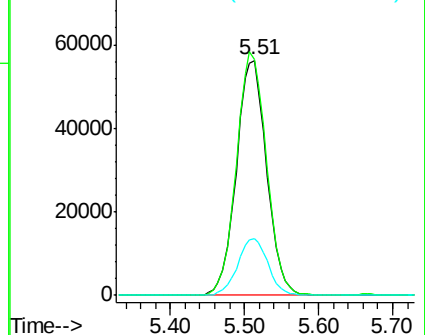
192 24.1 18.9 28.3



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: 18.12 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

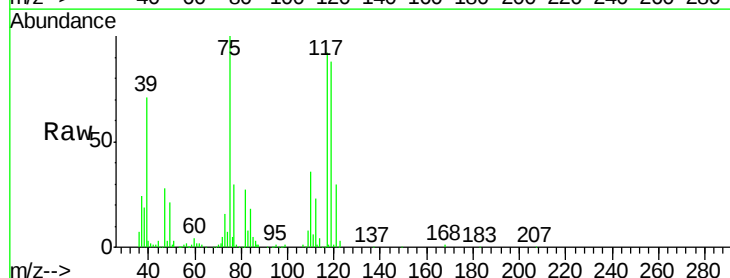
Tgt Ion: 75 Resp: 90314

Ion Ratio Lower Upper

75 100

110 35.9 17.4 52.2

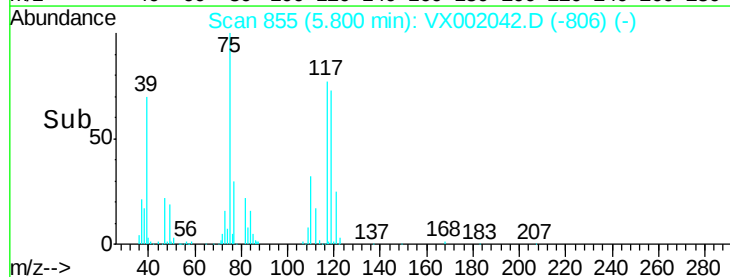
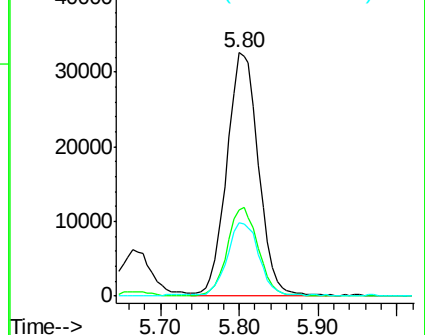
77 30.0 24.4 36.6

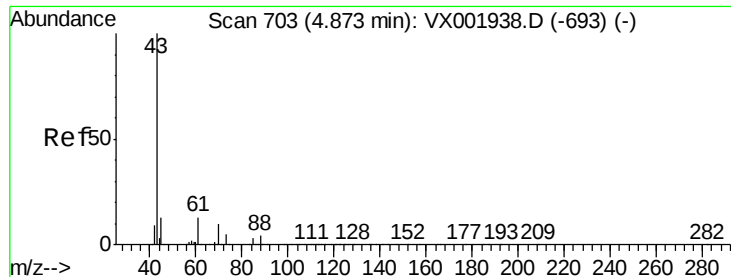


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

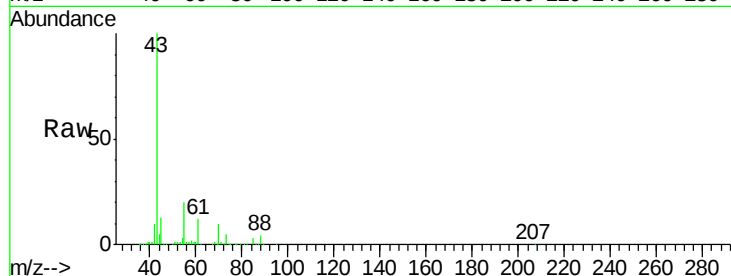




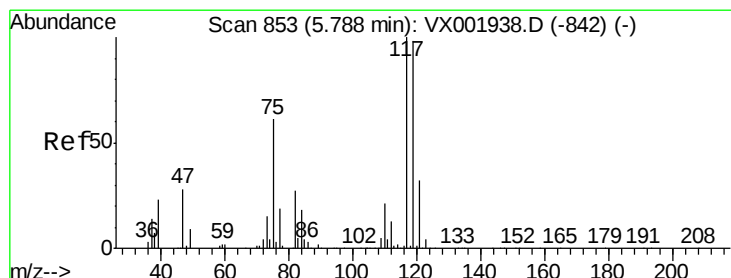
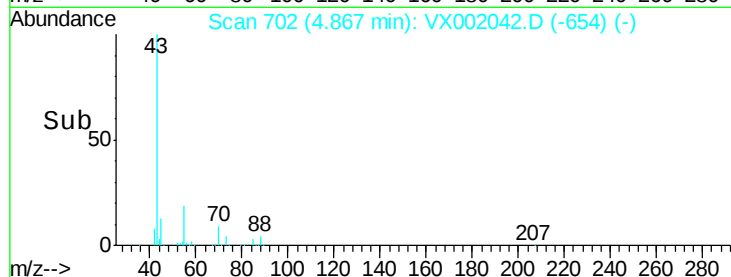
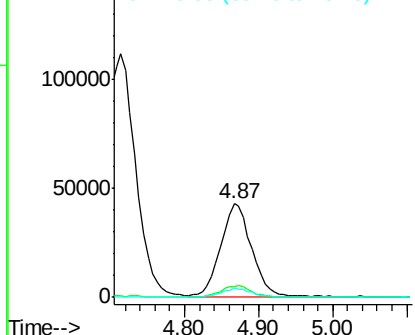
#37
Ethyl Acetate
Concen: 18.98 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.2	15.2
70	9.7	7.8	11.8

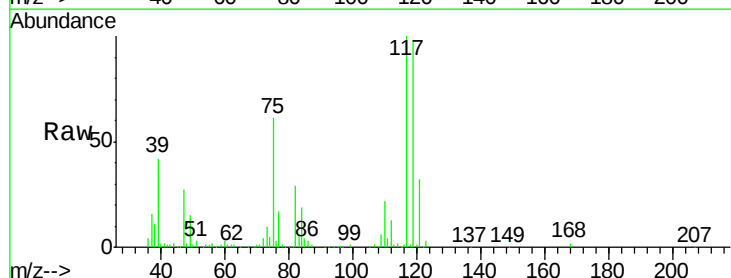


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

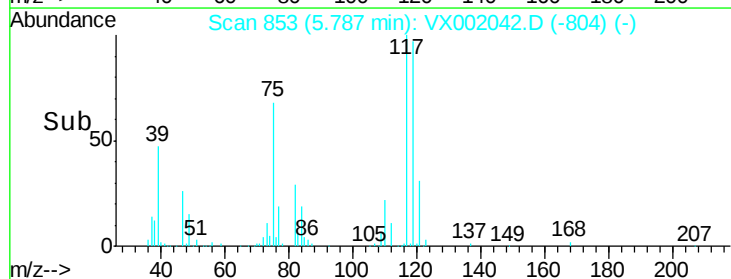
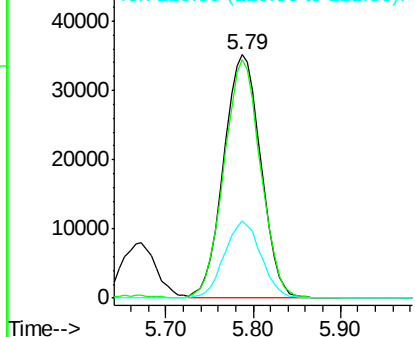


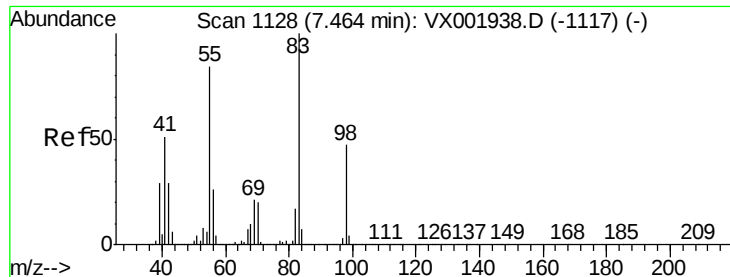
#38
Carbon Tetrachloride
Concen: 17.89 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	78.5	117.7
121	31.7	25.5	38.3



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

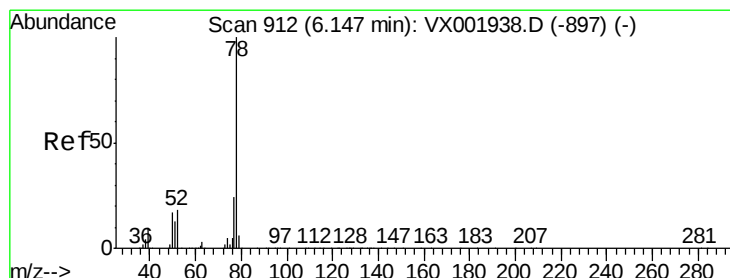
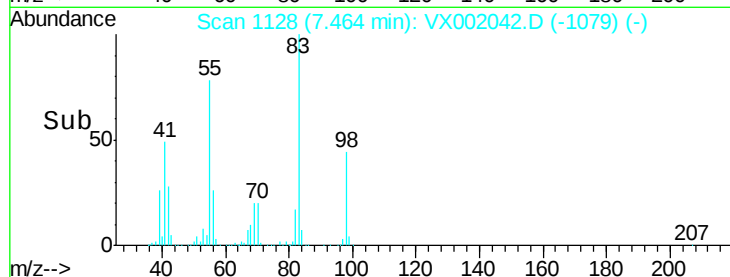
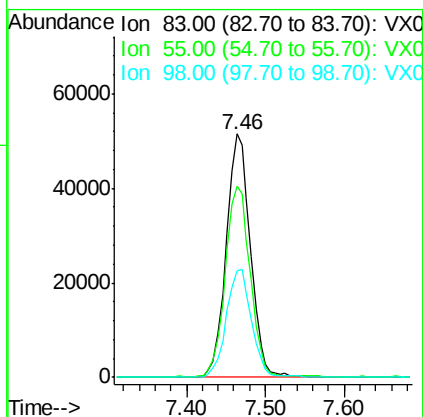
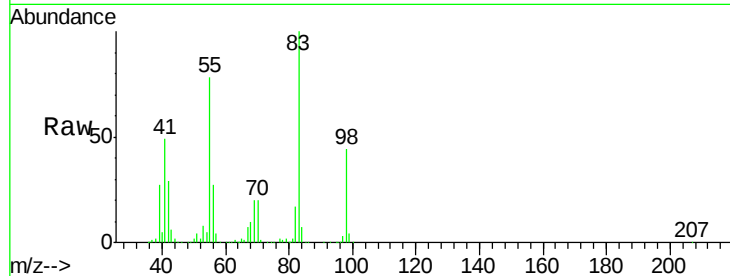




#39
Methvlcvclohexane
Concen: 17.84 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

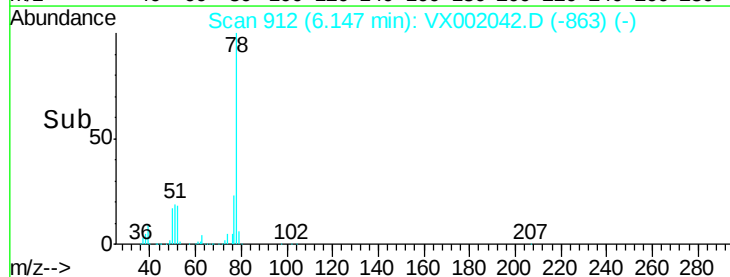
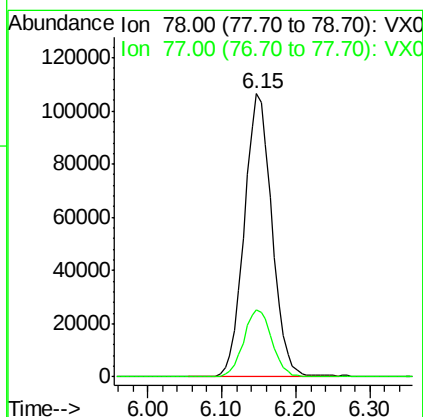
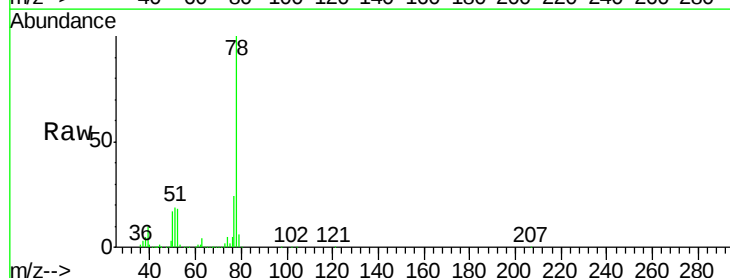
Instrument :
MSVOA_X
ClientSampleId :

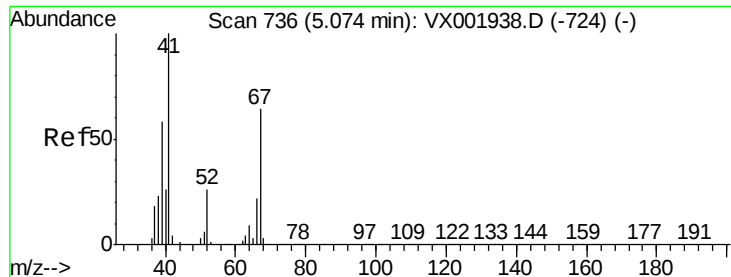
Tot Ion: 83 Resp: 109215
Ion Ratio Lower Upper
83 100
55 78.2 67.3 100.9
98 43.8 37.5 56.3



#40
Benzene
Concen: 19.01 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion: 78 Resp: 277636
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7

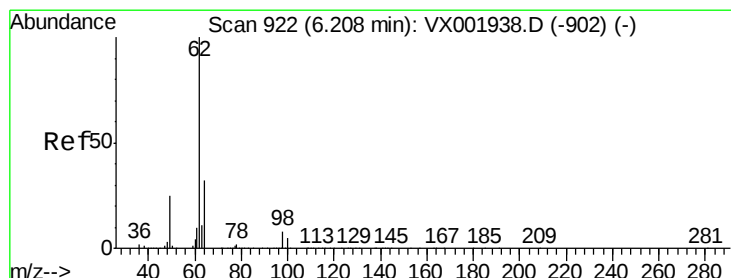
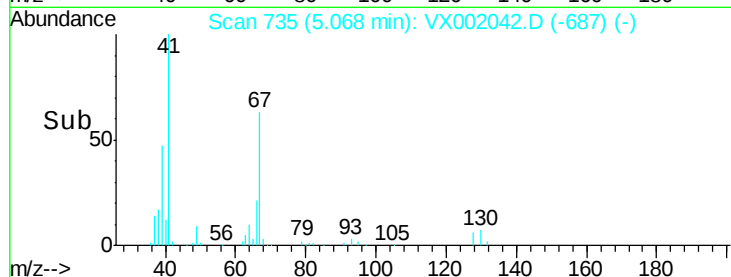
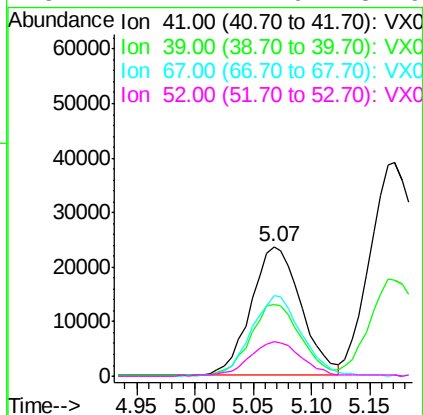
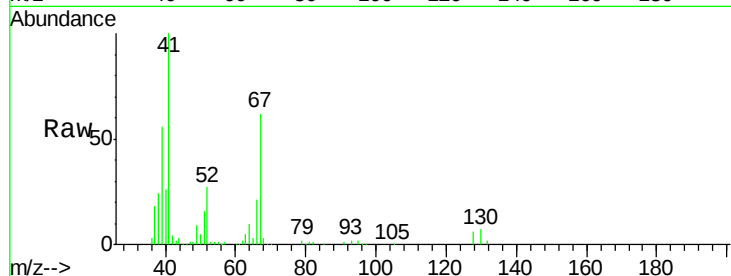




#41
Methacrylonitrile
Concen: 19.64 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

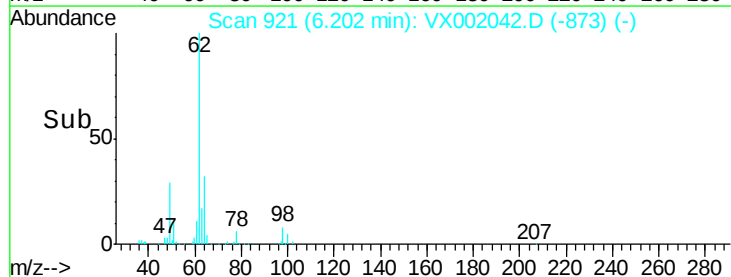
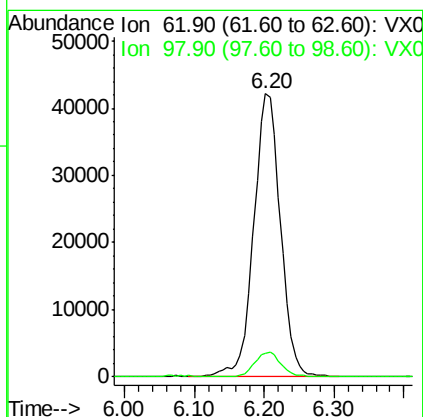
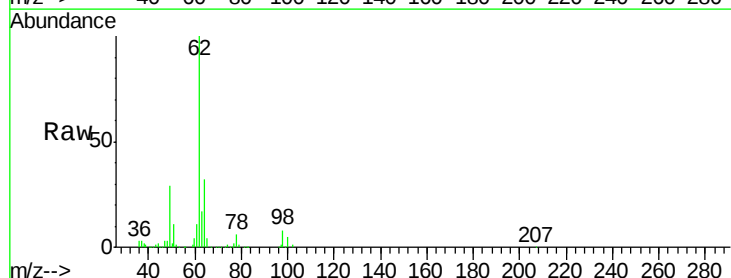
Instrument :
MSVOA_X
ClientSampled :

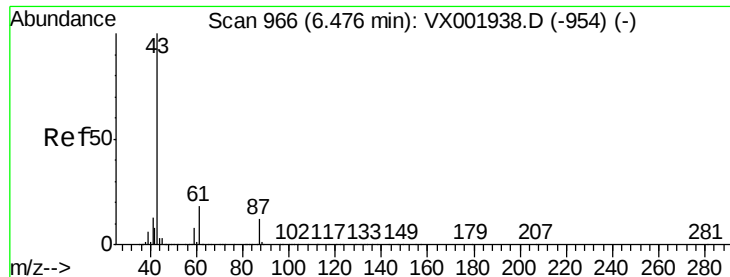
Tot Ion:	41	Resp:	70194
Ion	Ratio	Lower	Upper
41	100		
39	55.1	46.0	69.0
67	63.8	50.6	75.8
52	27.7	21.9	32.9



#42
1,2-Dichloroethane
Concen: 19.24 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion:	62	Resp:	112238
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0



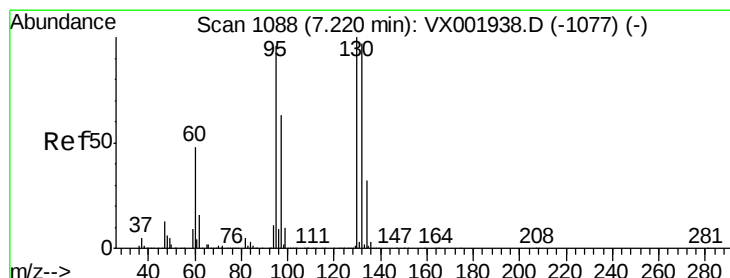
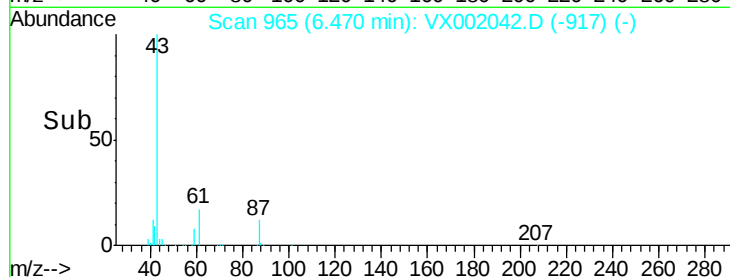
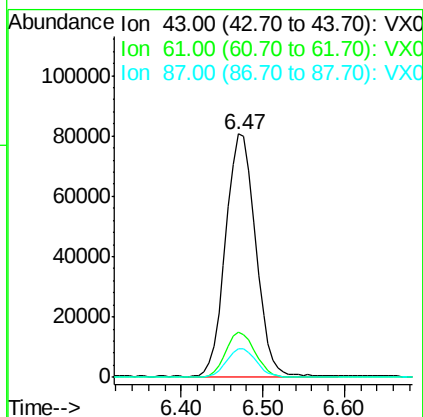
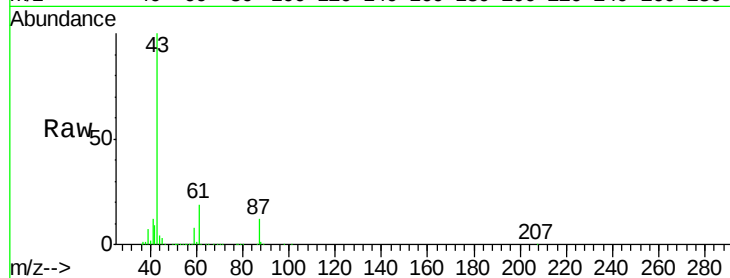


#43

Isopropyl Acetate
 Concen: 18.91 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX002042.D
 Acq: 27 May 2018 02:32

Instrument :
 MSVOA_X
 ClientSampleID :

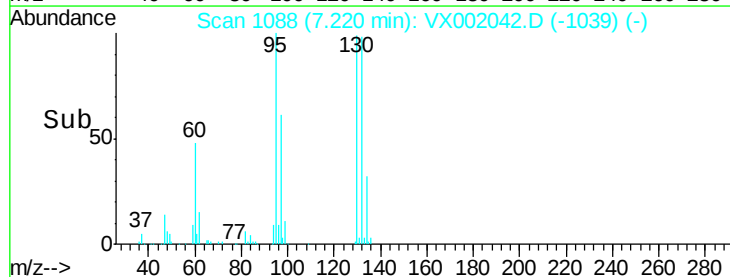
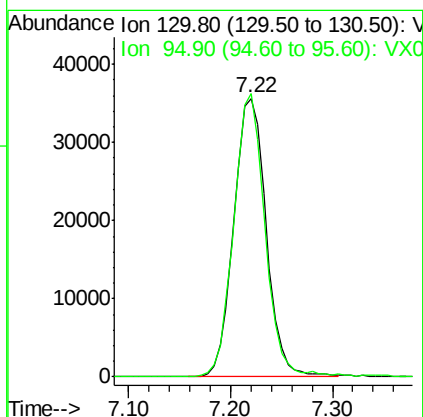
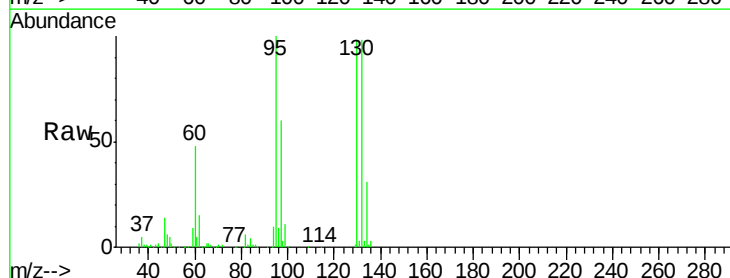
Tot Ion: 43 Resp: 204684
 Ion Ratio Lower Upper
 43 100
 61 18.3 14.5 21.7
 87 11.8 9.5 14.3

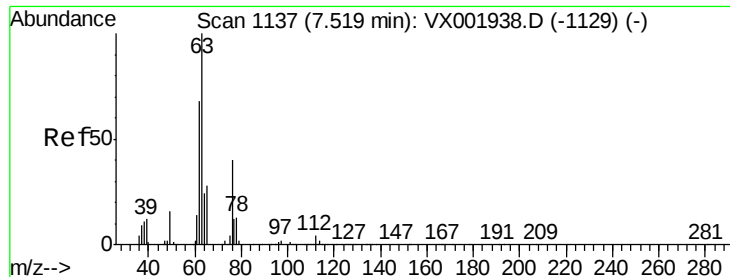


#44

Trichloroethene
 Concen: 18.48 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX002042.D
 Acq: 27 May 2018 02:32

Tgt Ion: 130 Resp: 78622
 Ion Ratio Lower Upper
 130 100
 95 101.5 0.0 192.0





#45

1,2-Dichloropropane

Concen: 19.25 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

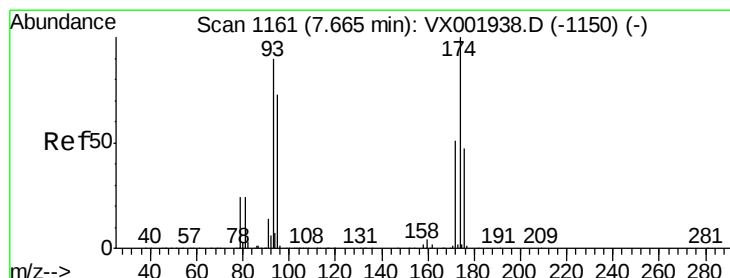
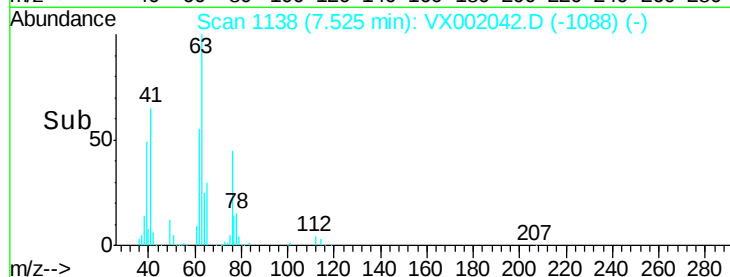
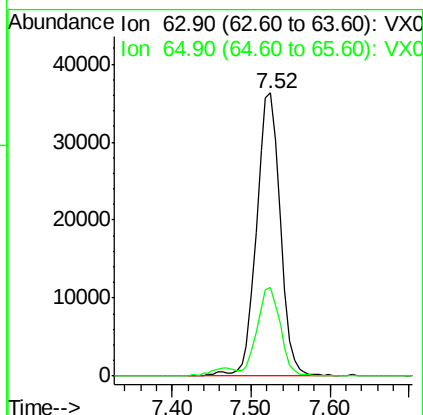
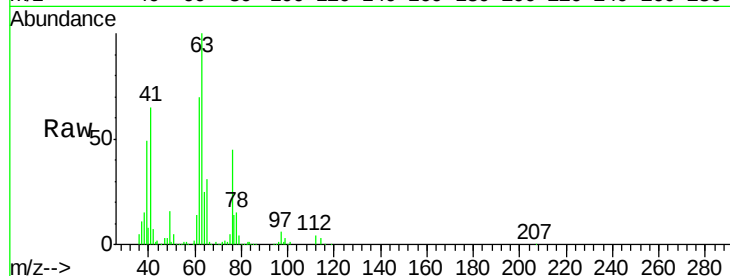
ClientSampleId :

Tot Ion: 63 Resp: 76327

Ion Ratio Lower Upper

63 100

65 31.3 24.1 36.1



#46

Dibromomethane

Concen: 19.57 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

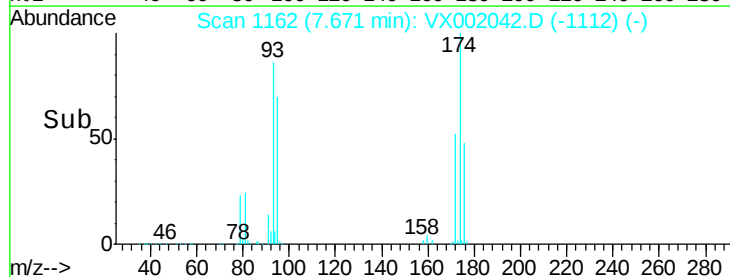
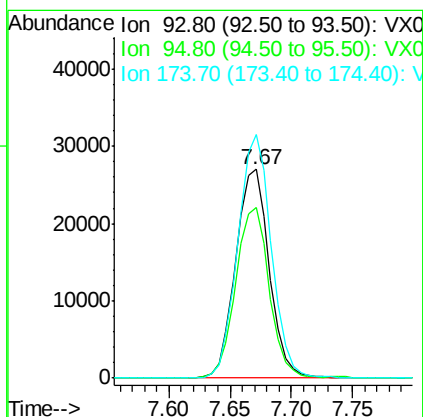
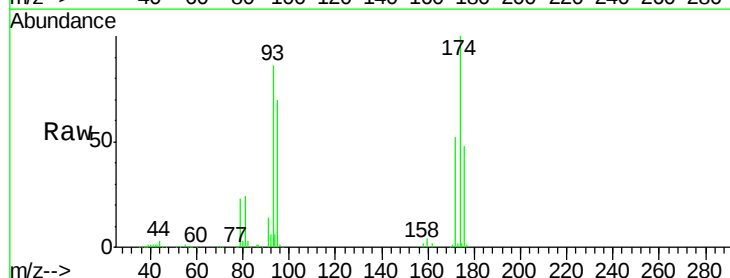
Tgt Ion: 93 Resp: 51376

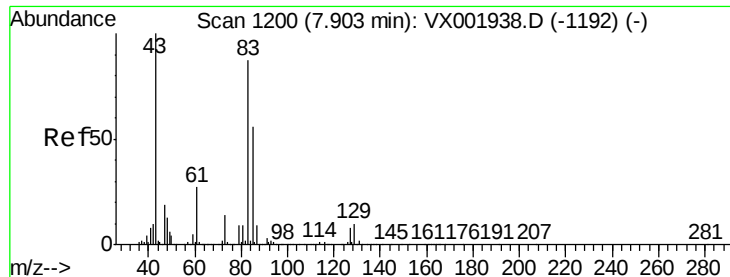
Ion Ratio Lower Upper

93 100

95 81.7 66.1 99.1

174 116.6 92.5 138.7





#47

Bromodichloromethane

Concen: 18.03 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :
MSVOA_X
ClientSampleId :

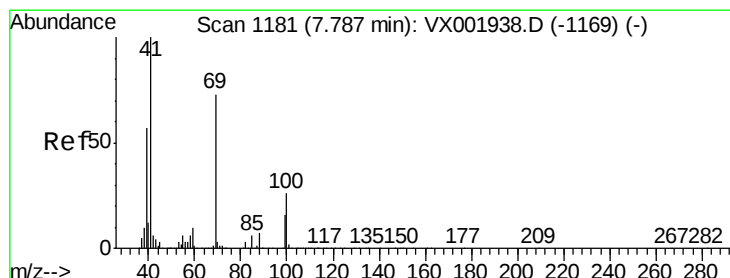
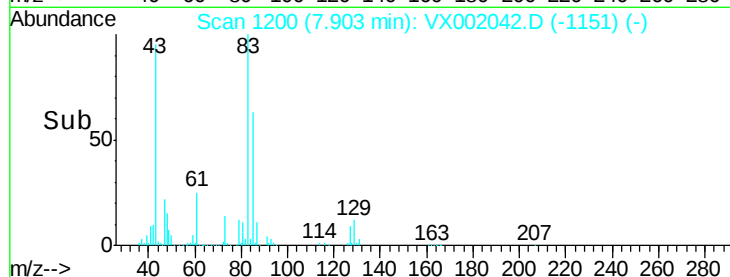
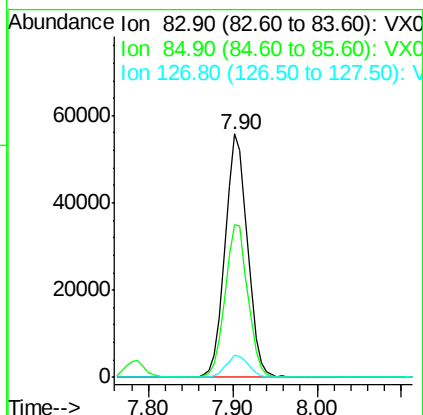
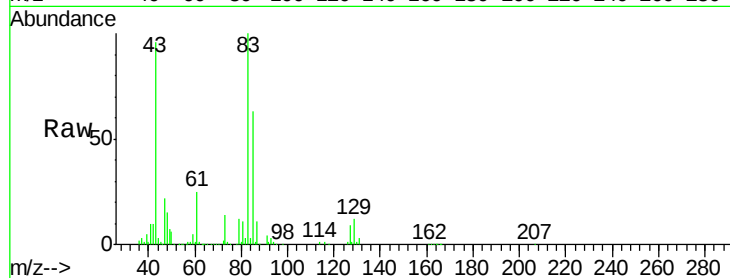
Tot Ion: 83 Resp: 100946

Ion Ratio Lower Upper

83 100

85 62.6 51.4 77.2

127 8.8 7.1 10.7



#48

Methyl methacrylate

Concen: 18.87 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

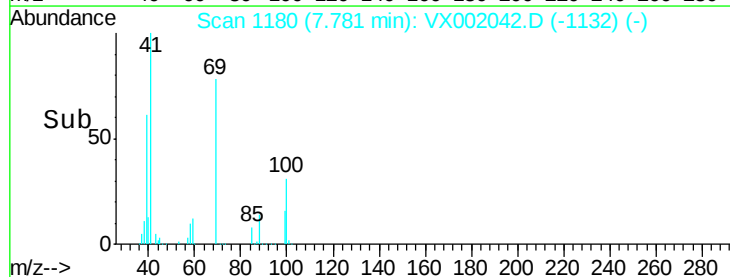
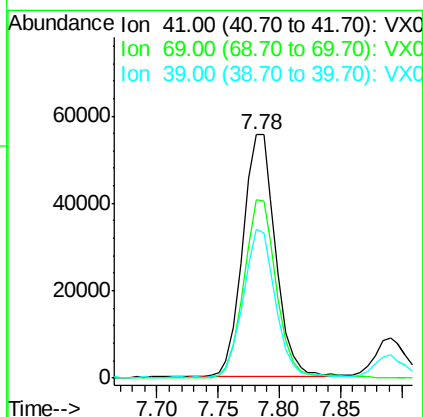
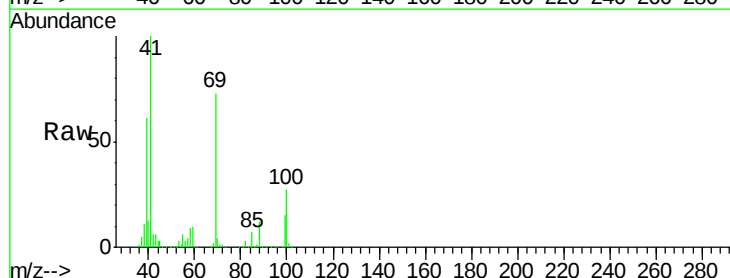
Tgt Ion: 41 Resp: 103961

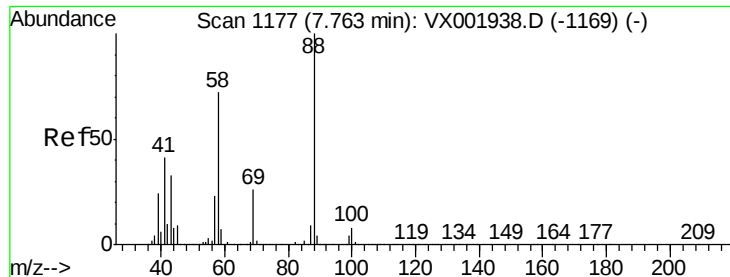
Ion Ratio Lower Upper

41 100

69 73.4 58.6 87.8

39 59.7 46.3 69.5

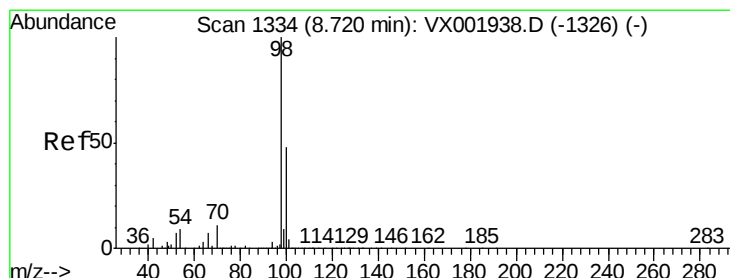
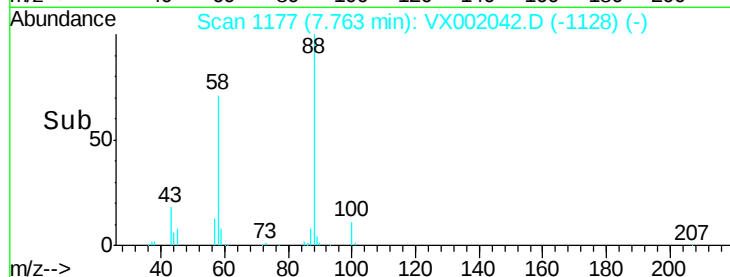
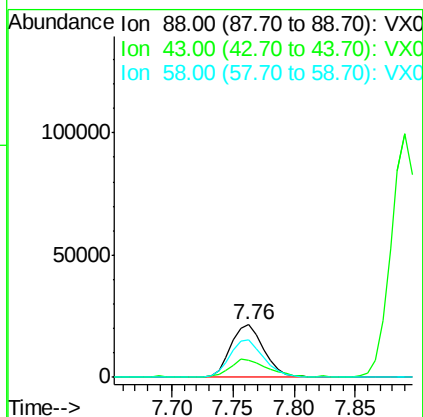
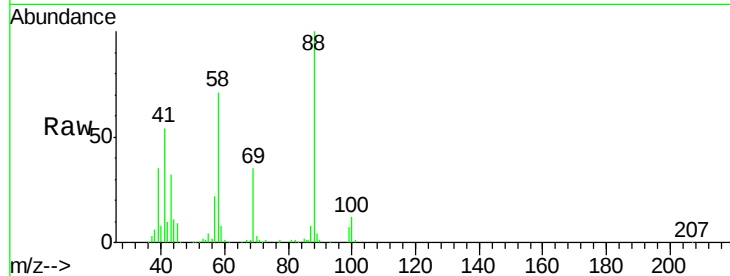




#49
 1,4-Dioxane
 Concen: 420.26 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: VX002042.D
 Acq: 27 May 2018 02:32

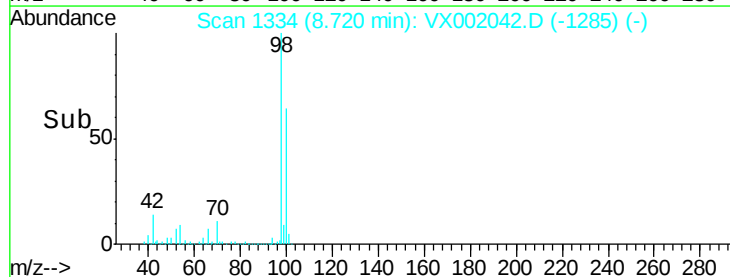
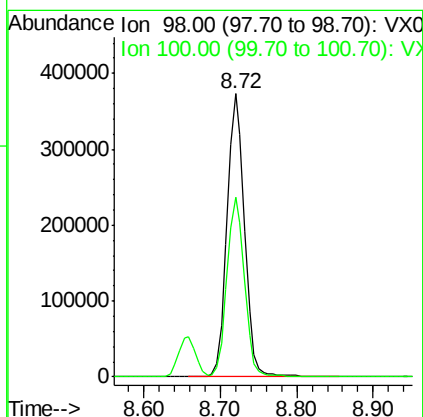
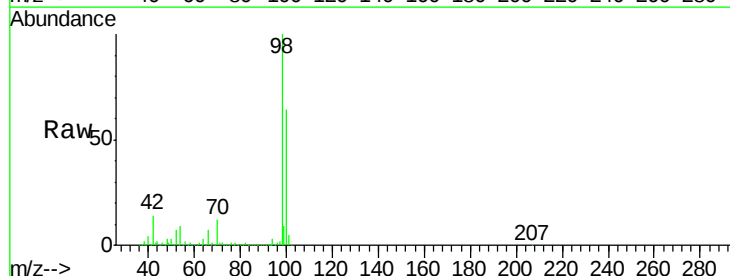
Instrument :
 MSVOA_X
 ClientSampleId :

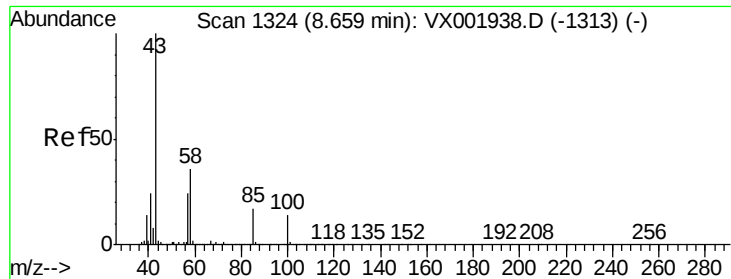
Tot Ion: 88 Resp: 40808
 Ion Ratio Lower Upper
 88 100
 43 36.4 29.8 44.8
 58 73.4 58.7 88.1



#50
 Toluene-d8
 Concen: 45.50 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX002042.D
 Acq: 27 May 2018 02:32

Tgt Ion: 98 Resp: 590256
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 99.42 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

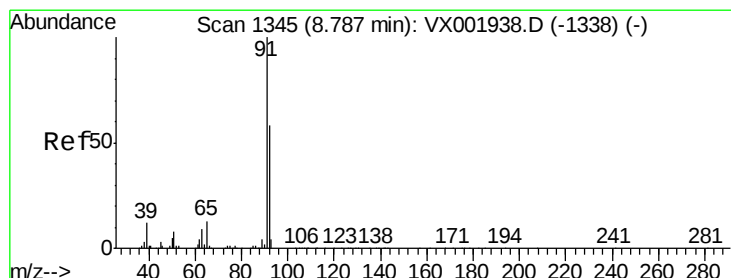
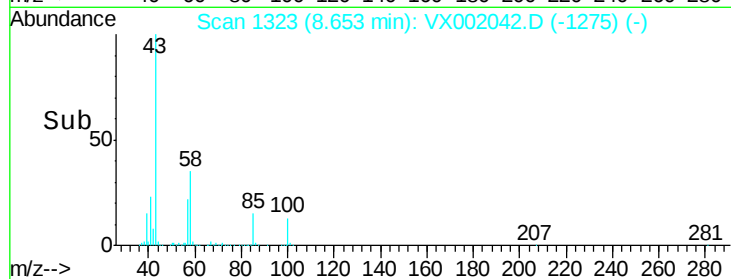
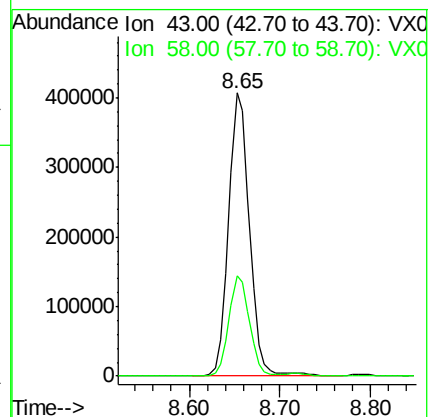
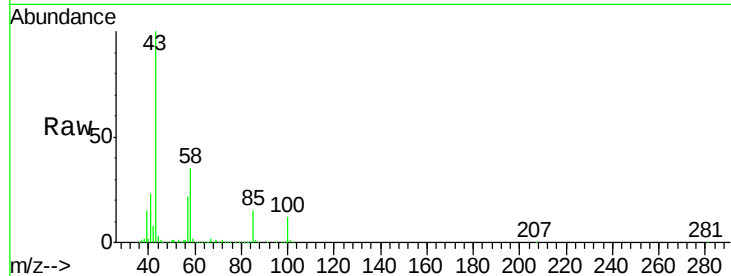
ClientSampled :

Tot Ion: 43 Resp: 648893

Ion Ratio Lower Upper

43 100

58 35.0 28.5 42.7



#52

Toluene

Concen: 19.21 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002042.D

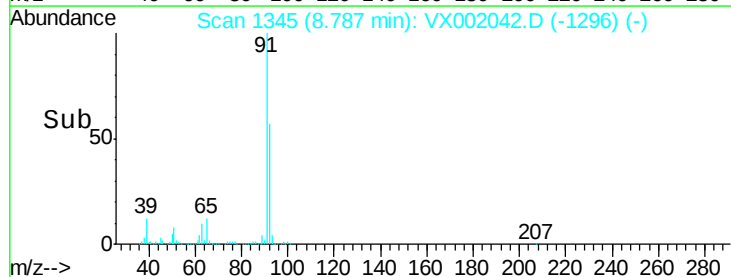
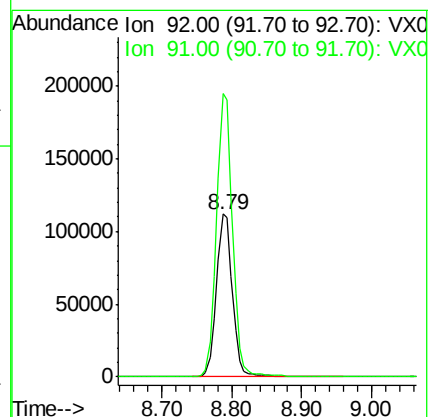
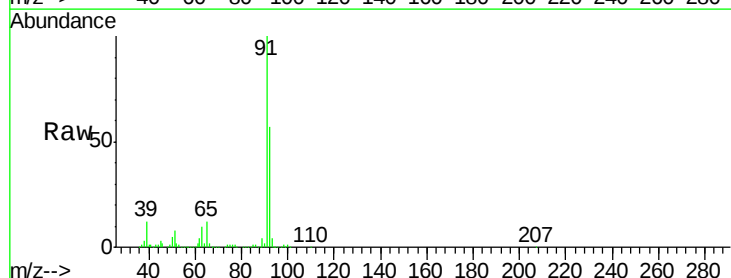
Acq: 27 May 2018 02:32

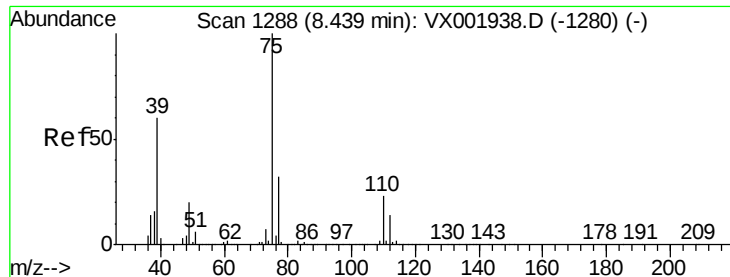
Tgt Ion: 92 Resp: 178510

Ion Ratio Lower Upper

92 100

91 173.4 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 17.37 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

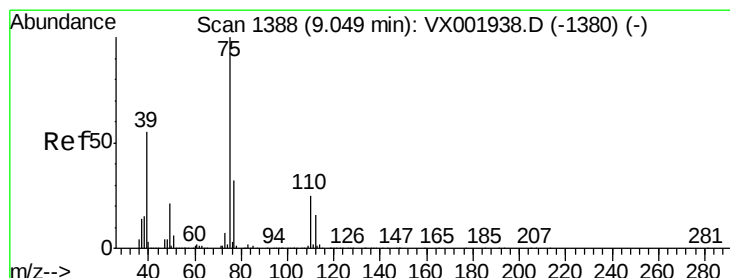
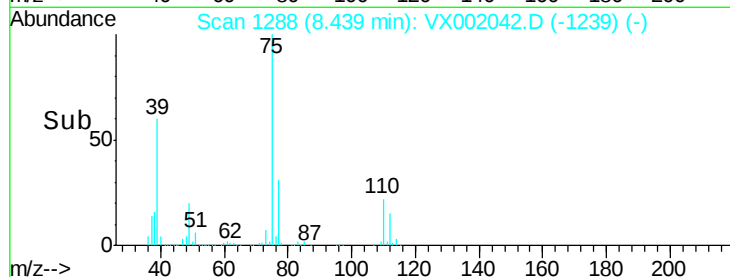
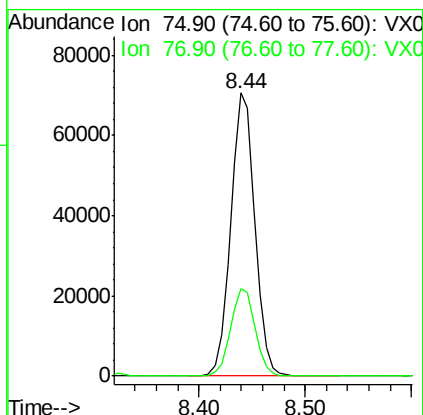
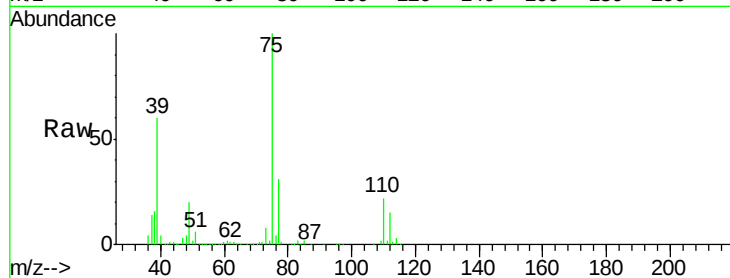
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 111990

Ion Ratio Lower Upper

75 100

77 31.0 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 16.94 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

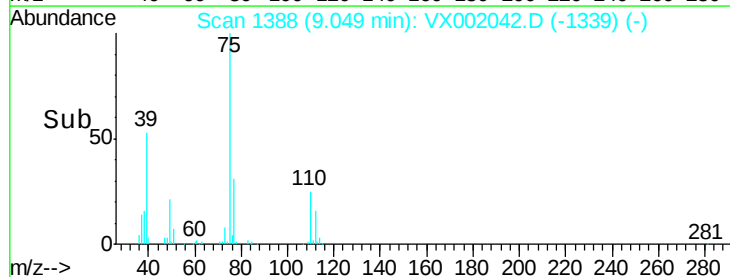
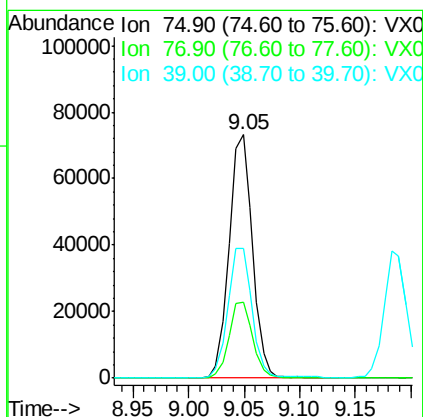
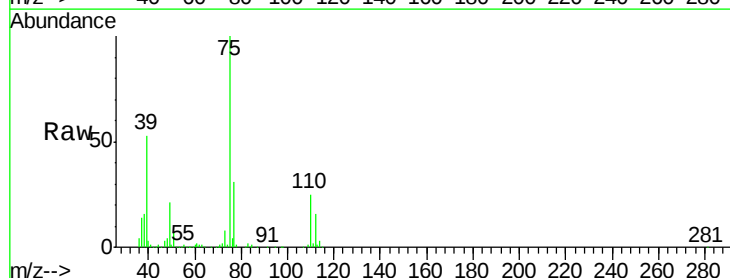
Tgt Ion: 75 Resp: 106444

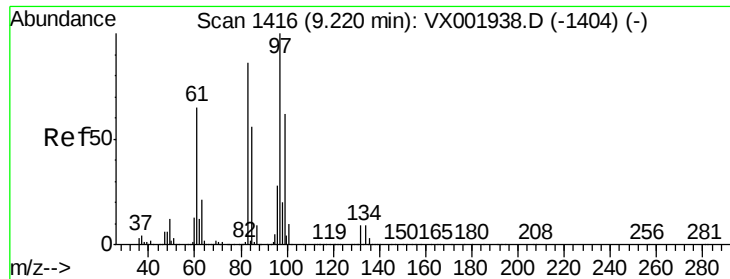
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 52.9 44.1 66.1

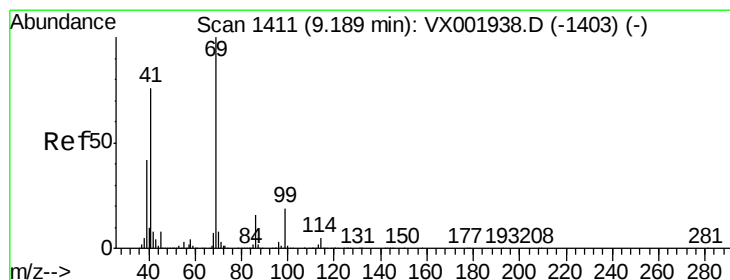
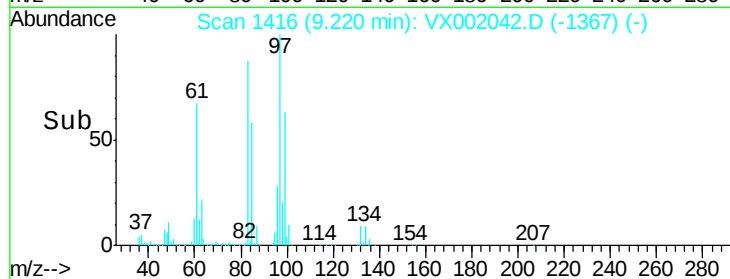
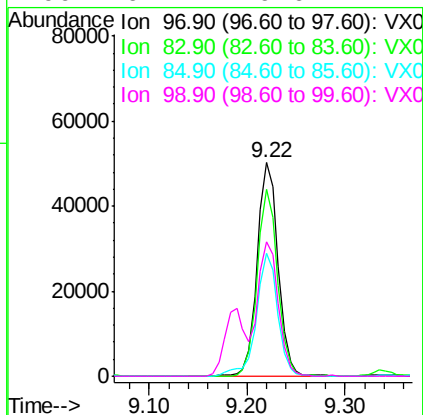
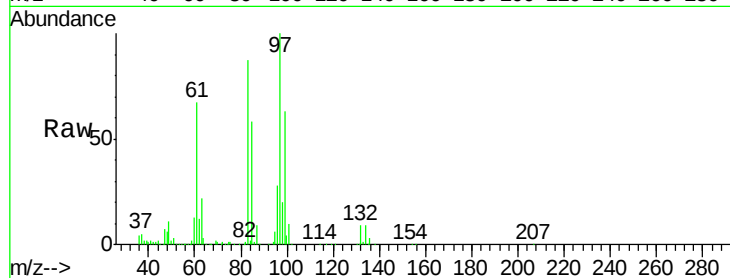




#55
 1,1,2-Trichloroethane
 Concen: 19.27 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002042.D
 Acq: 27 May 2018 02:32

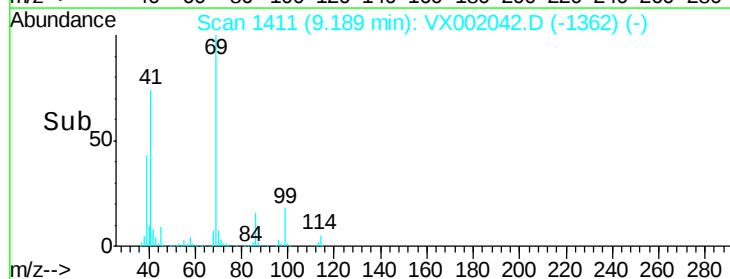
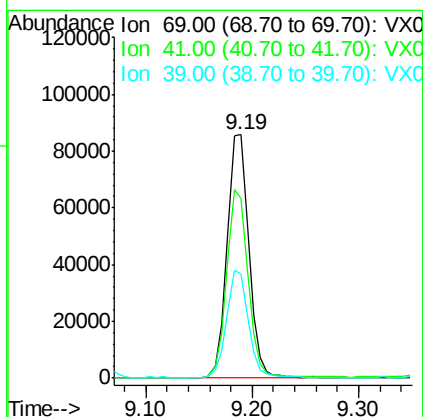
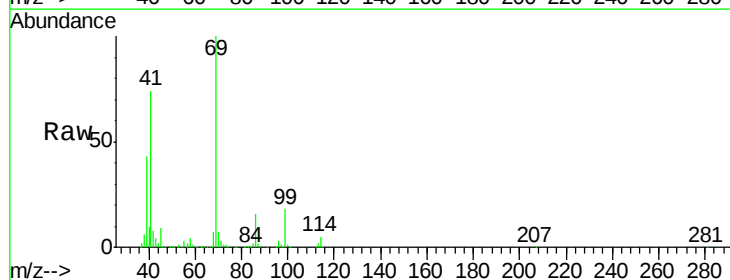
Instrument :
 MSVOA_X
 ClientSampleId :

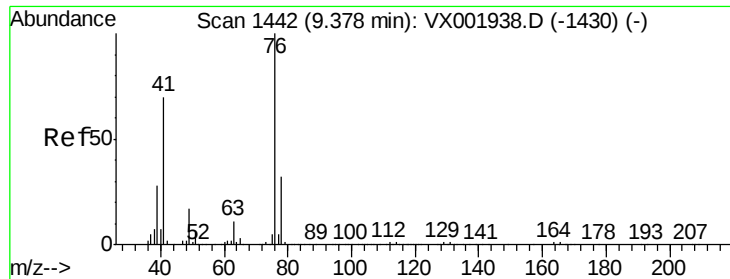
Tot Ion:	97	Resp:	74793
Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.1	103.7
85	57.6	45.2	67.8
99	62.7	49.6	74.4



#56
 Ethyl methacrylate
 Concen: 18.61 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX002042.D
 Acq: 27 May 2018 02:32

Tgt Ion:	69	Resp:	124285
Ion	Ratio	Lower	Upper
69	100		
41	75.9	61.0	91.6
39	43.4	34.4	51.6





#57

1,3-Dichloropropane

Concen: 19.47 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

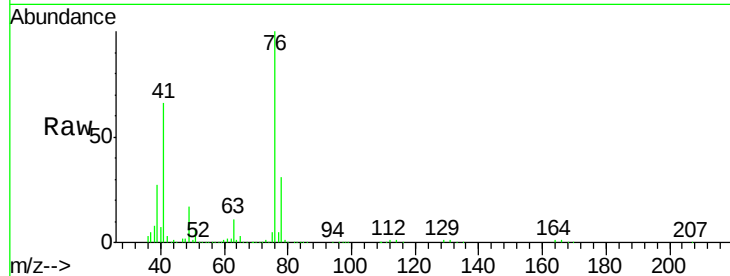
ClientSampleId :

Tot Ion: 76 Resp: 124512

Ion Ratio Lower Upper

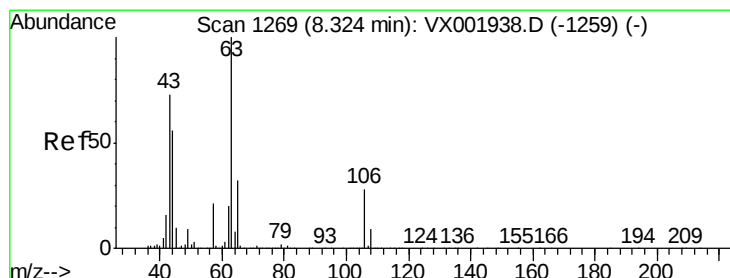
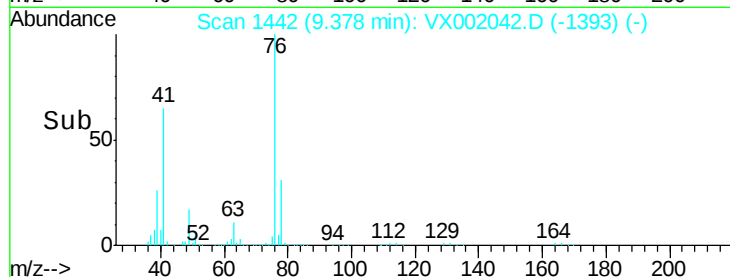
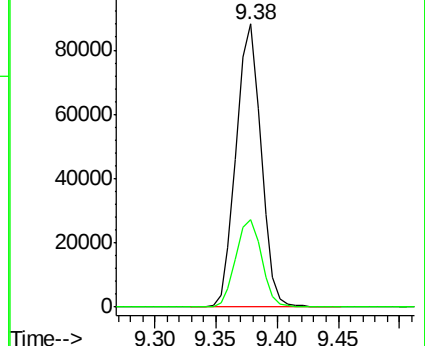
76 100

78 32.5 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 98.42 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002042.D

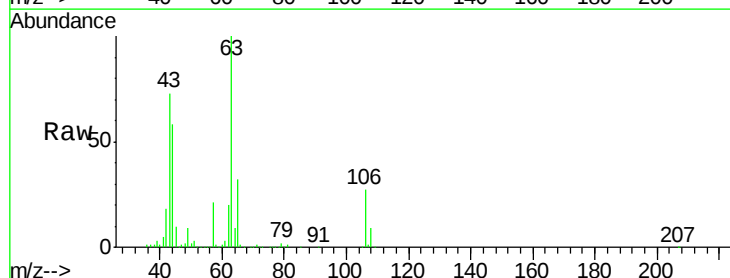
Acq: 27 May 2018 02:32

Tgt Ion: 63 Resp: 291278

Ion Ratio Lower Upper

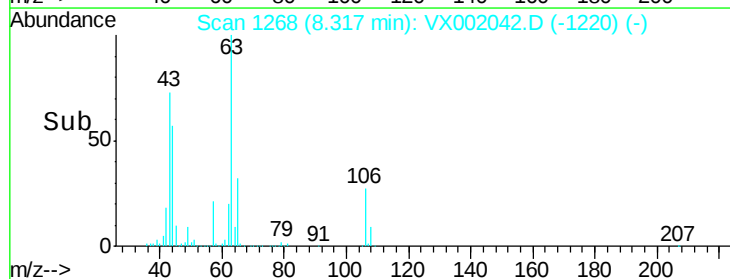
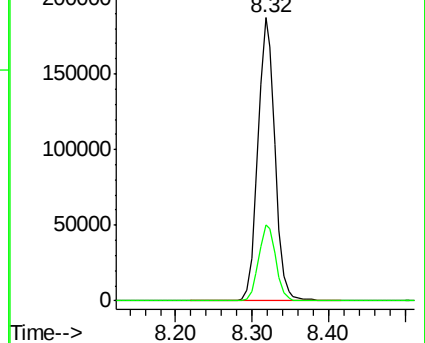
63 100

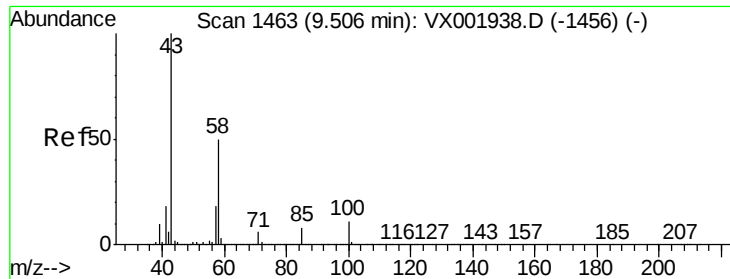
106 27.1 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

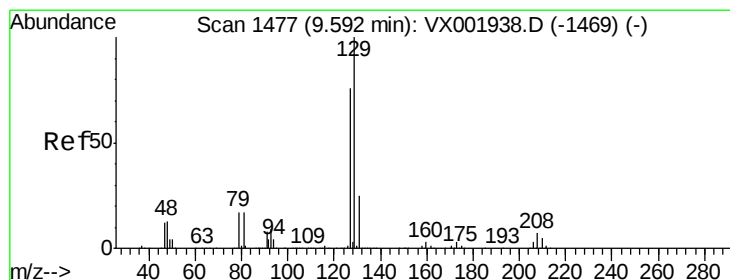
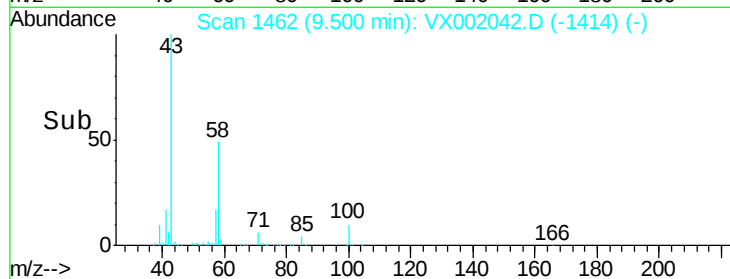
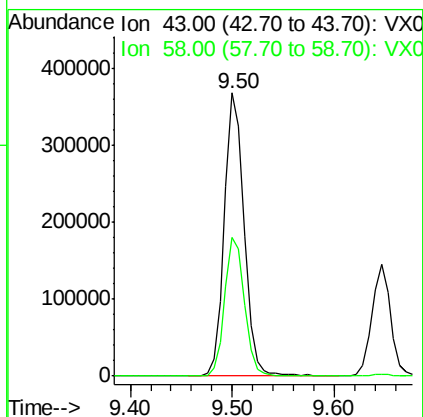
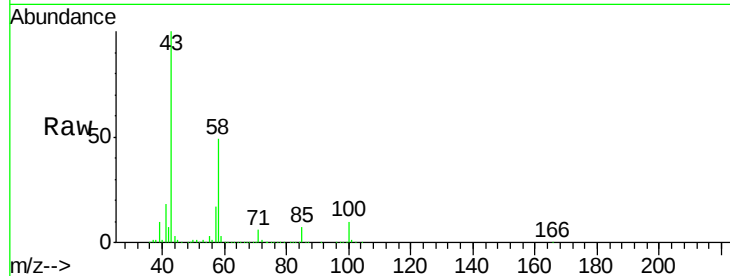




#59
2-Hexanone
Concen: 98.42 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

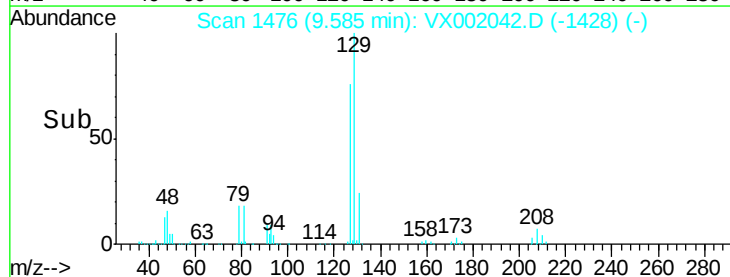
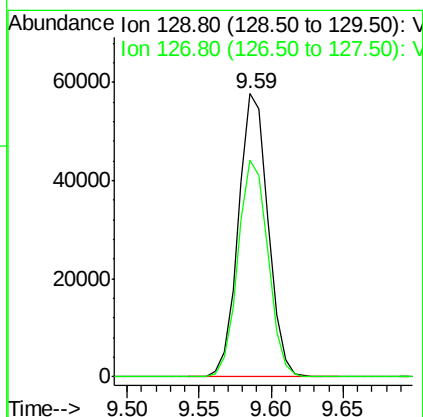
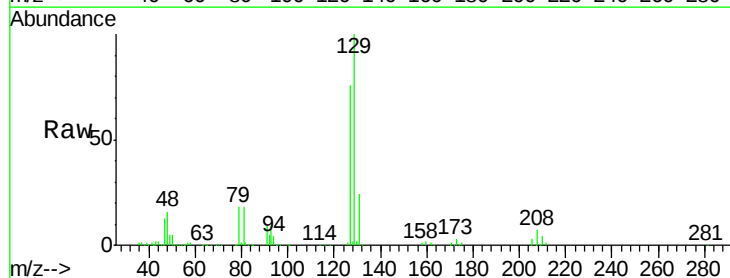
Instrument :
MSVOA_X
ClientSampleId :

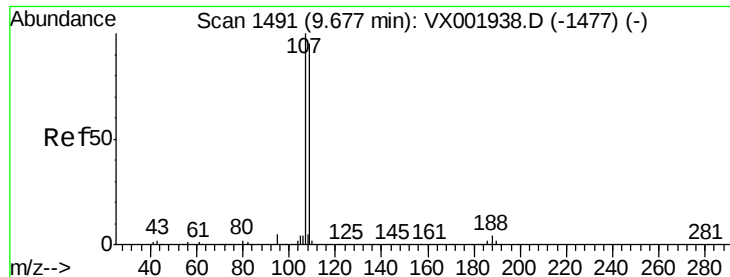
Tot Ion: 43 Resp: 495261
Ion Ratio Lower Upper
43 100
58 49.4 24.9 74.6



#60
Dibromochloromethane
Concen: 17.94 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion: 129 Resp: 82468
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.9





#61

1,2-Dibromoethane

Concen: 19.34 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

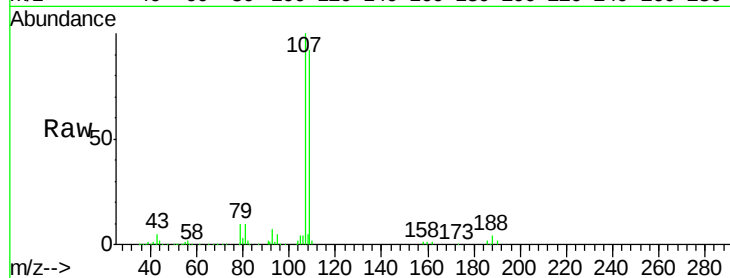
ClientSampleId :

Tot Ion:107 Resp: 78781

Ion Ratio Lower Upper

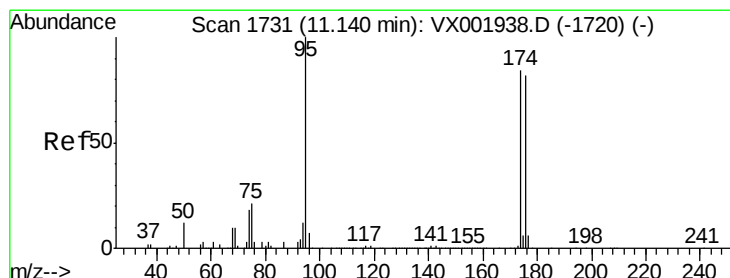
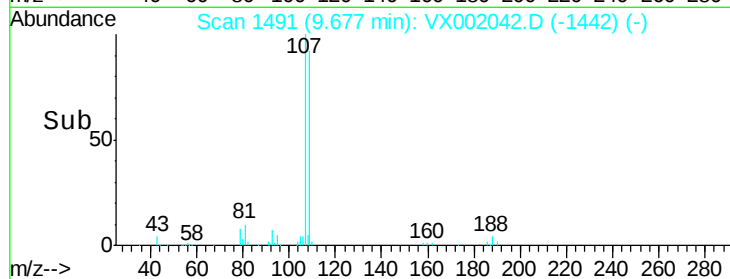
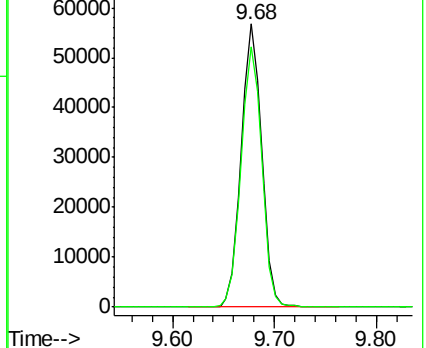
107 100

109 93.5 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.18 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

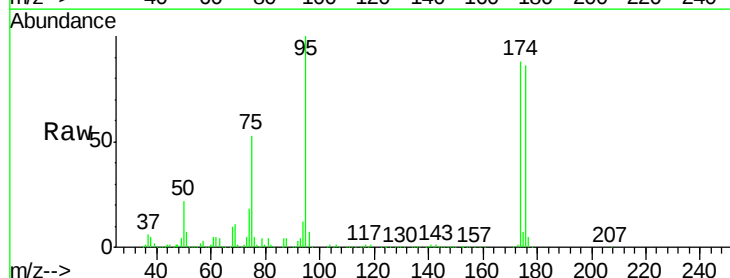
Tgt Ion: 95 Resp: 224243

Ion Ratio Lower Upper

95 100

174 91.5 0.0 178.8

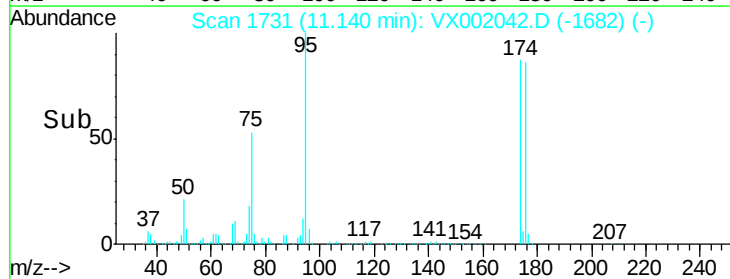
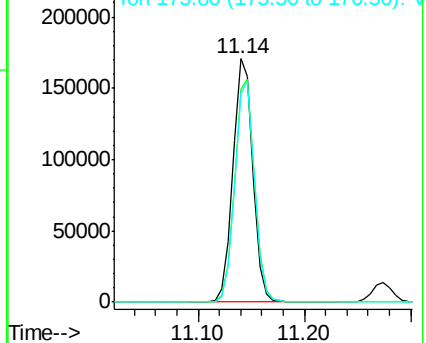
176 89.8 0.0 175.6

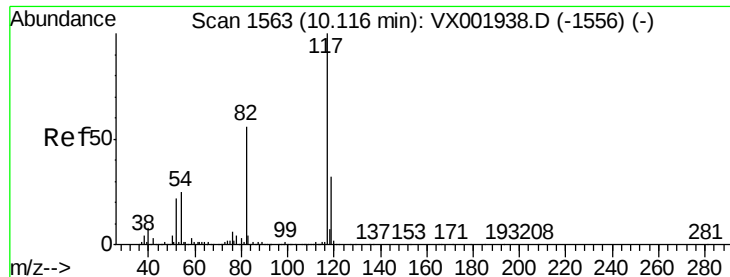


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

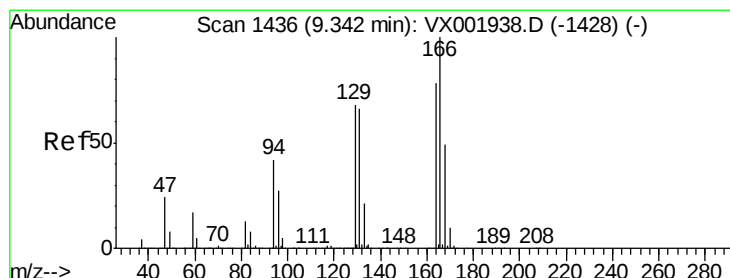
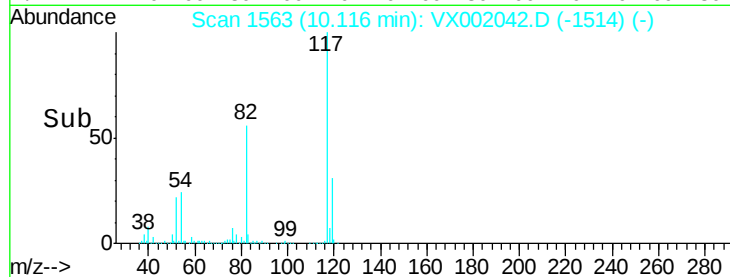
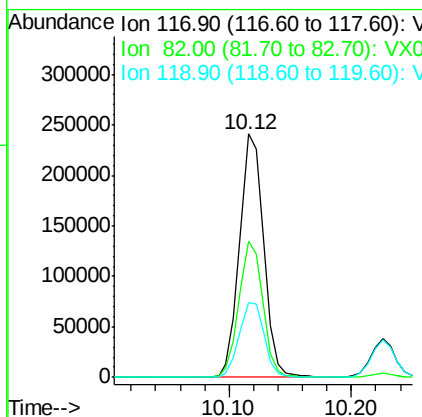
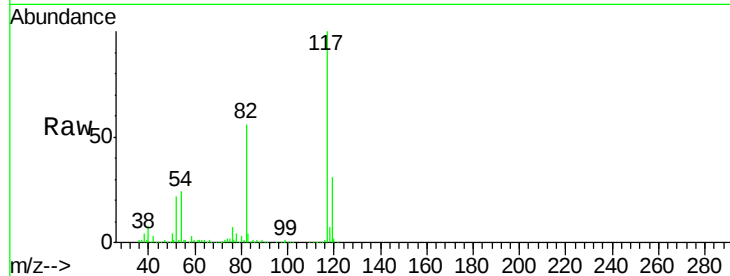




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

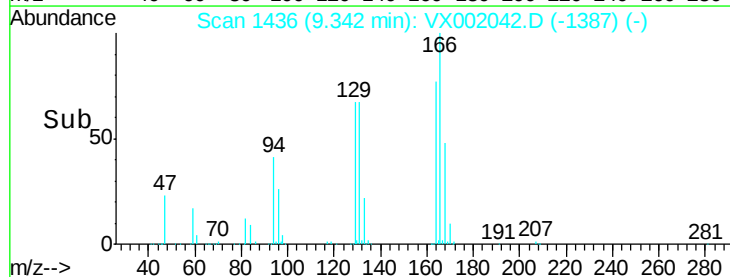
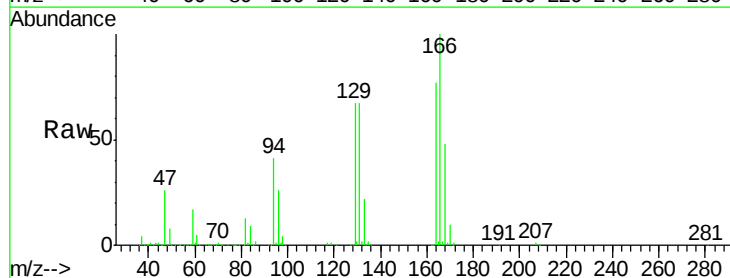
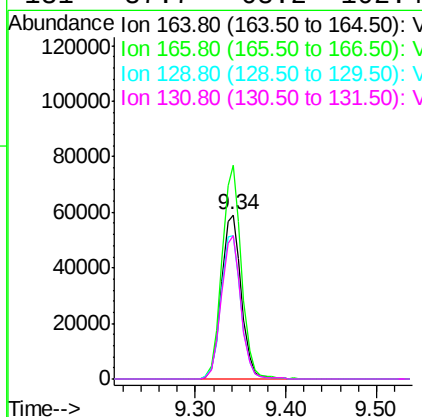
Instrument :
MSVOA_X
ClientSampleId :

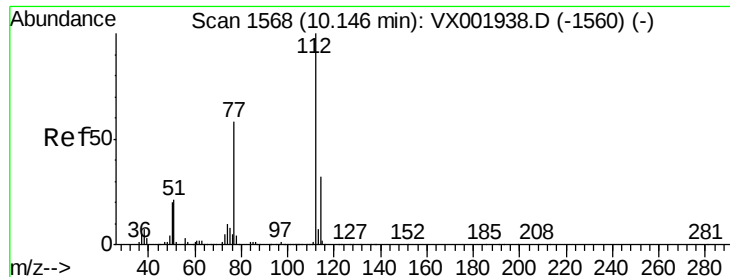
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.8	67.2
119	30.7	25.5	38.3



#64
Tetrachloroethene
Concen: 19.19 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	102.7	154.1
129	87.6	70.3	105.5
131	87.7	68.2	102.4





#65

Chlorobenzene

Concen: 18.97 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

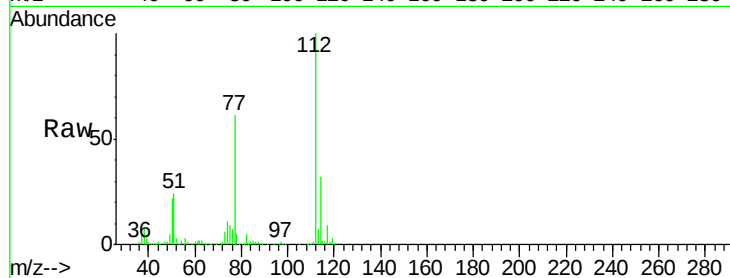
ClientSampleId :

Tot Ion:112 Resp: 197936

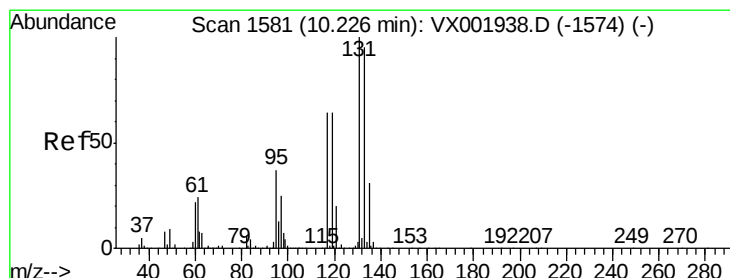
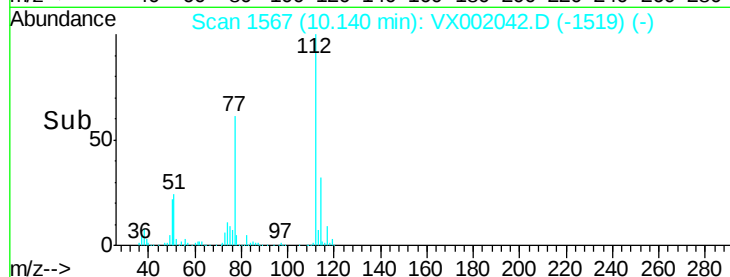
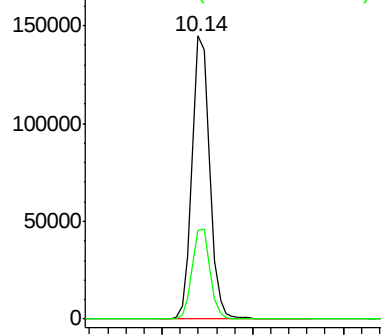
Ion Ratio Lower Upper

112 100

114 31.6 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.62 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

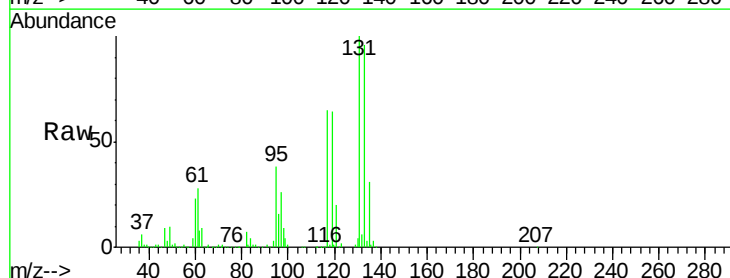
Tgt Ion:131 Resp: 78474

Ion Ratio Lower Upper

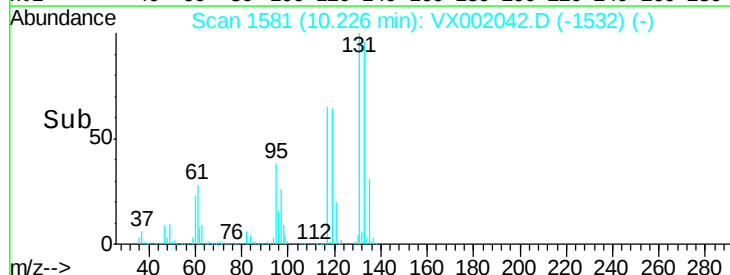
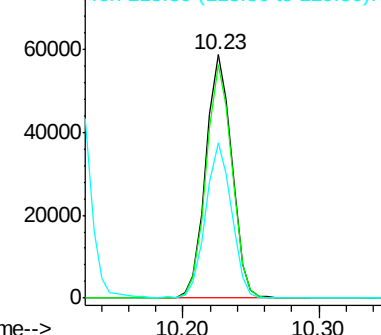
131 100

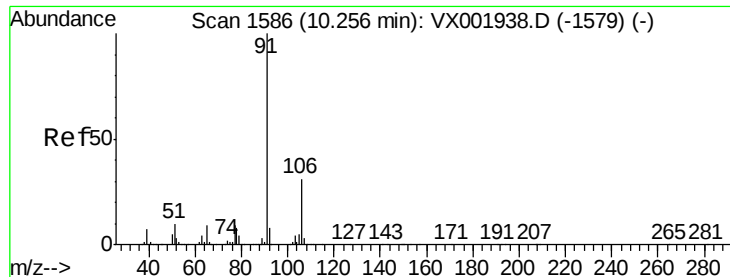
133 94.7 48.0 144.0

119 63.8 31.9 95.5



Abundance Ion 130.80 (130.50 to 131.50): V





#67

Ethyl Benzene

Concen: 19.01 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

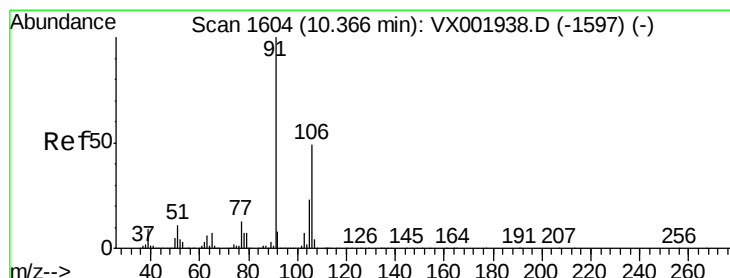
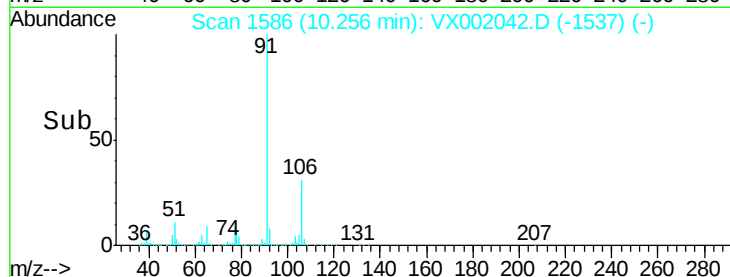
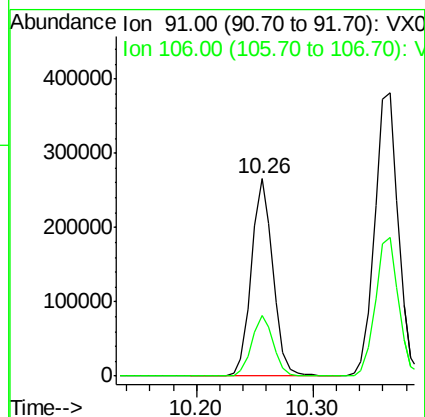
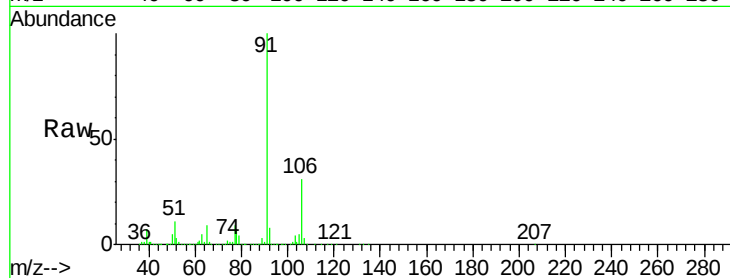
ClientSampled :

Tot Ion: 91 Resp: 344702

Ion Ratio Lower Upper

91 100

106 31.0 25.0 37.6



#68

m/p-Xylenes

Concen: 37.45 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX002042.D

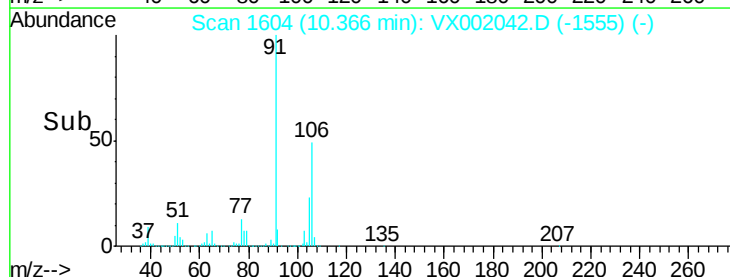
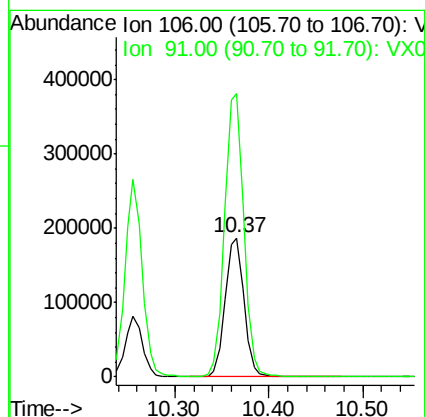
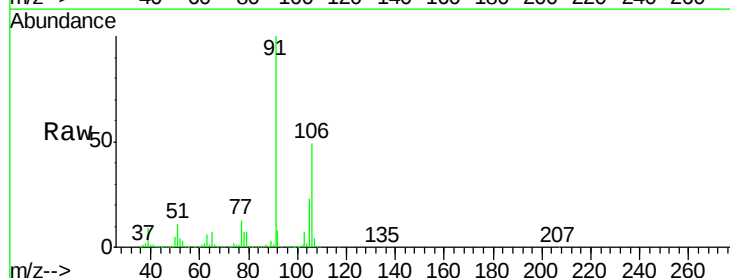
Acq: 27 May 2018 02:32

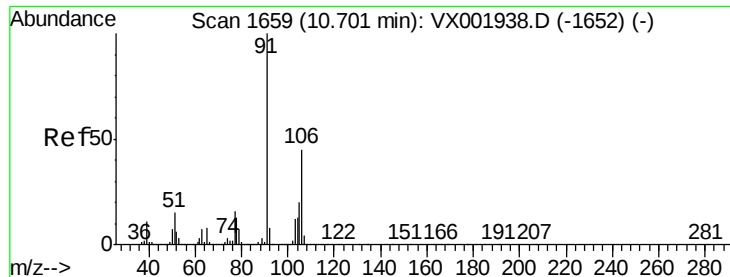
Tgt Ion: 106 Resp: 259523

Ion Ratio Lower Upper

106 100

91 207.5 165.0 247.6

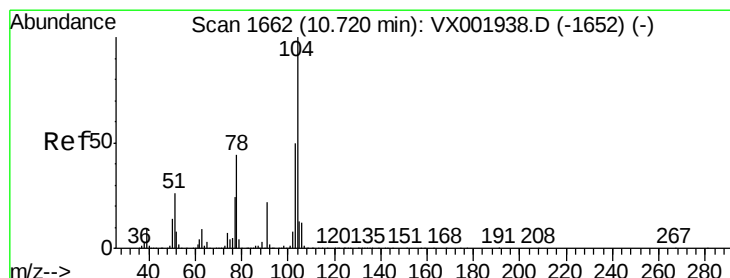
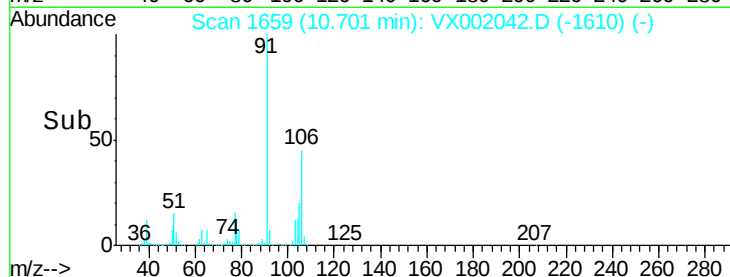
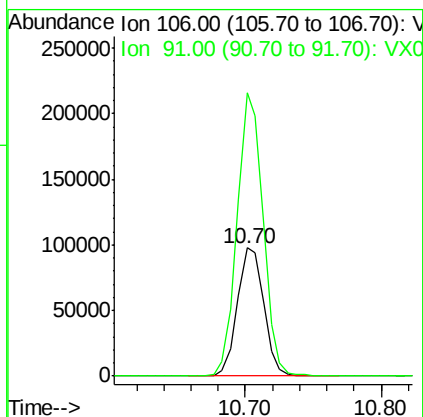
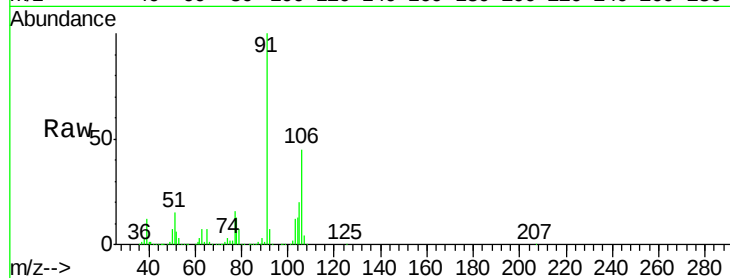




#69
o-Xylene
Concen: 19.11 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

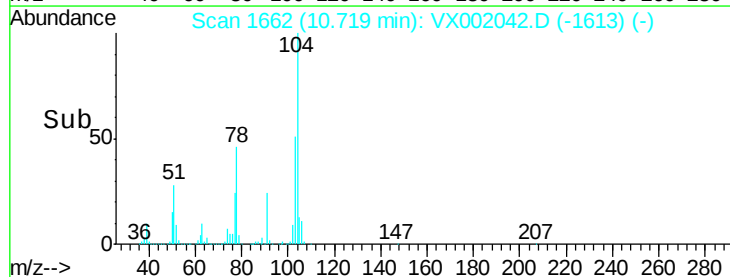
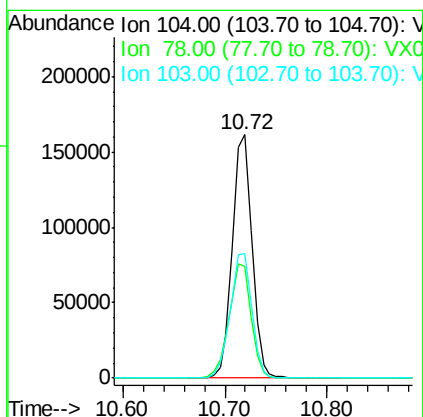
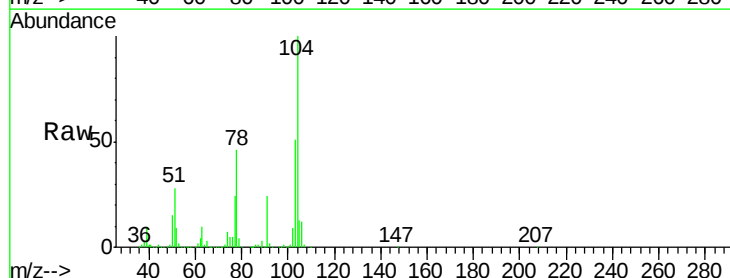
Instrument :
MSVOA_X
ClientSampled :

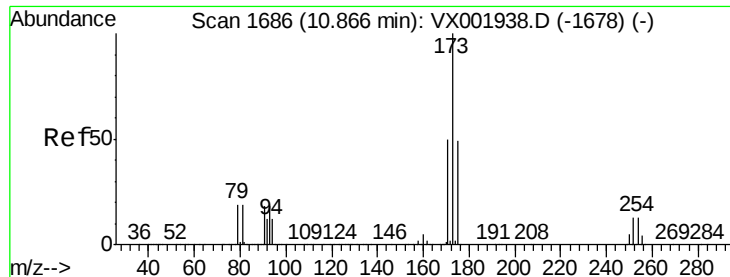
Tot Ion:106 Resp: 132235
Ion Ratio Lower Upper
106 100
91 216.8 108.7 325.9



#70
Styrene
Concen: 18.74 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion:104 Resp: 215099
Ion Ratio Lower Upper
104 100
78 52.3 41.8 62.6
103 56.4 44.6 67.0





#71

Bromoform

Concen: 16.49 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

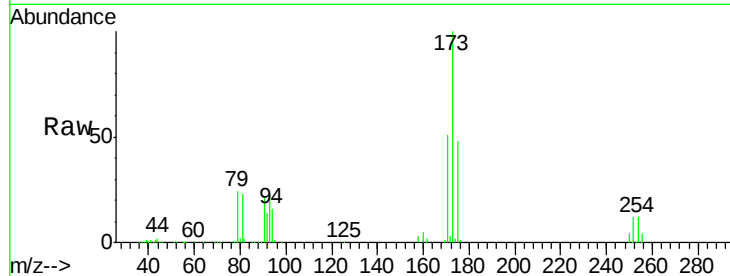
Tot Ion:173 Resp: 65887

Ion Ratio Lower Upper

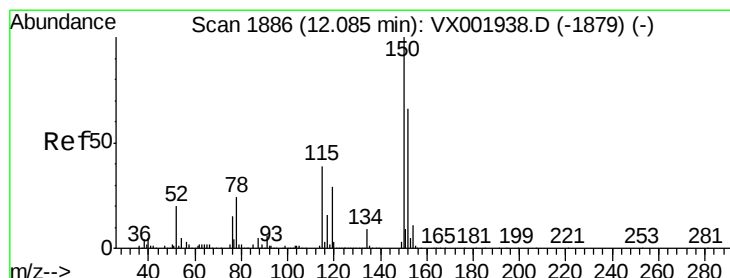
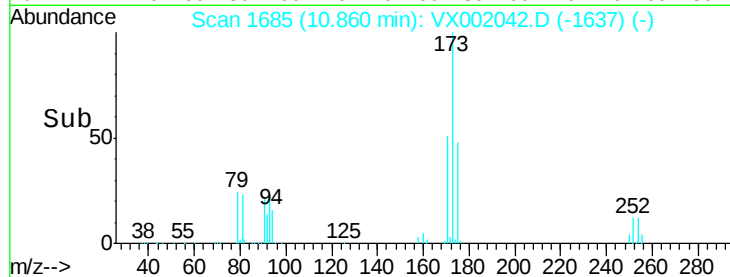
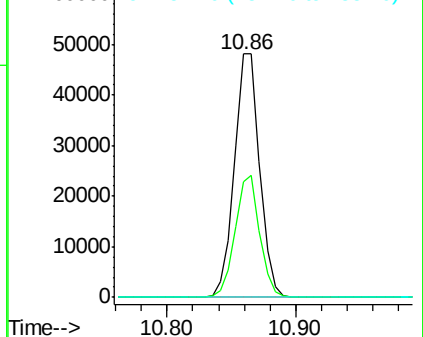
173 100

175 48.5 24.3 72.9

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

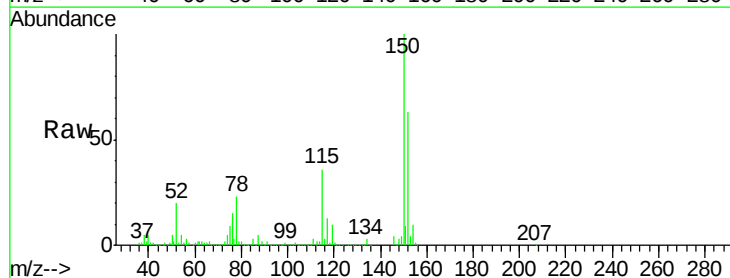
Tgt Ion:152 Resp: 212561

Ion Ratio Lower Upper

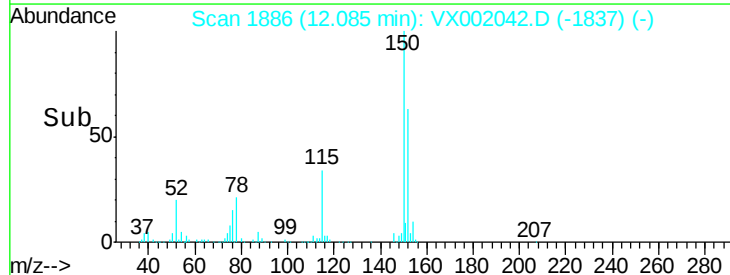
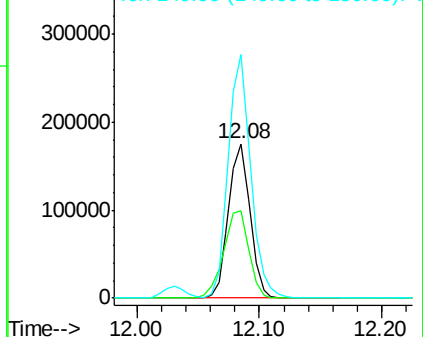
152 100

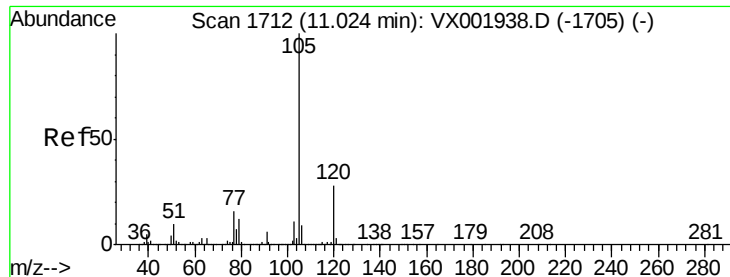
115 66.9 42.3 126.8

150 164.5 0.0 351.0



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





#73

Isopropylbenzene

Concen: 19.60 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

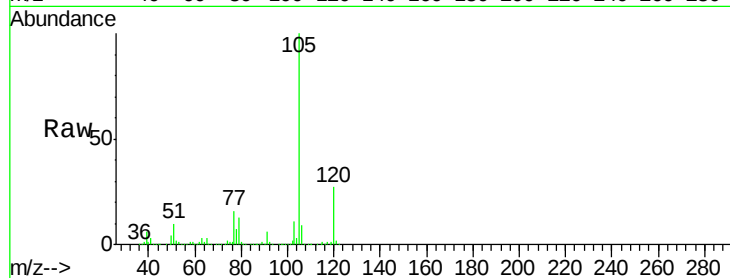
ClientSampleId :

Tot Ion:105 Resp: 352778

Ion Ratio Lower Upper

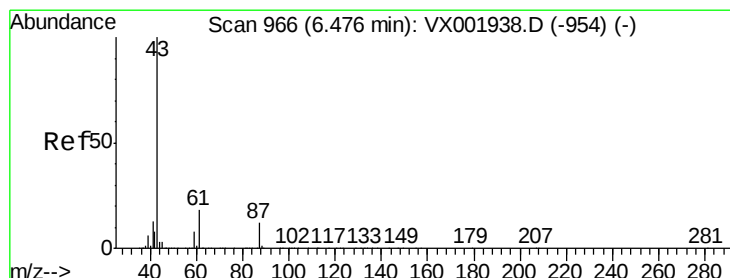
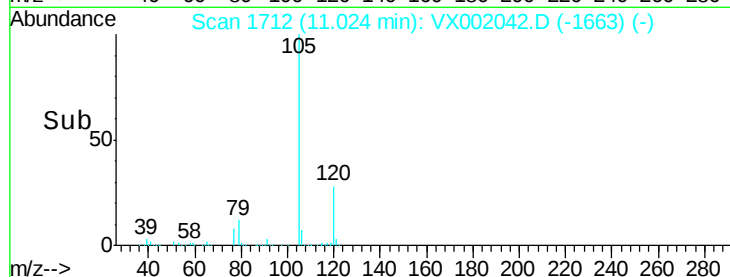
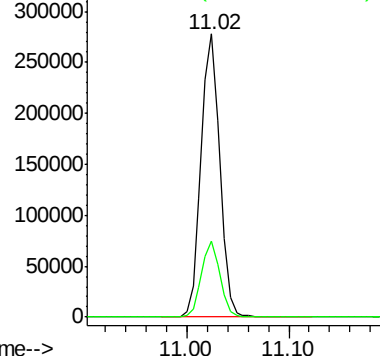
105 100

120 26.5 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.03 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Tgt Ion: 43 Resp: 204684

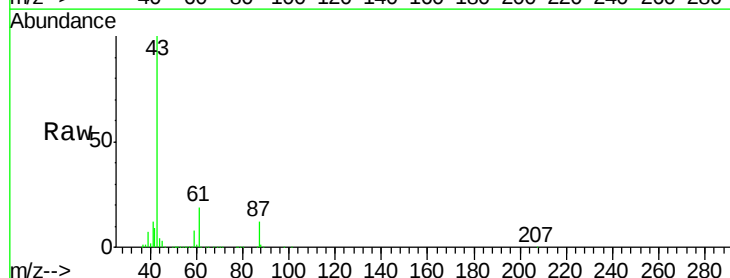
Ion Ratio Lower Upper

43 100

70 0.1 0.1 0.1#

55 0.1 0.1 0.1

61 18.3 14.5 21.7

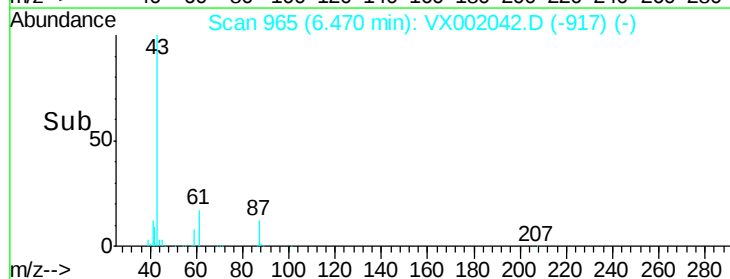
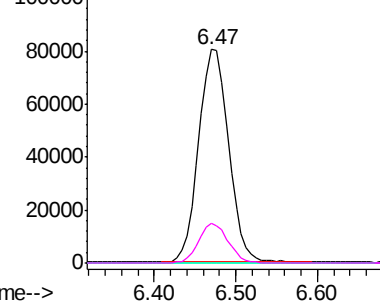


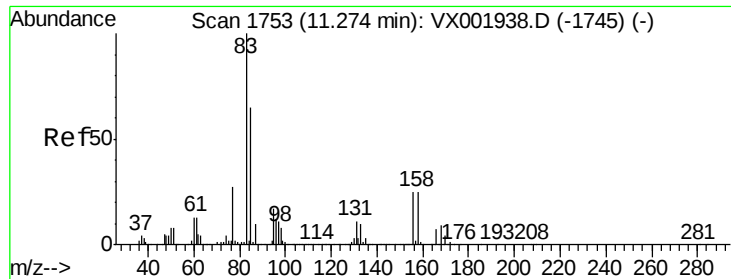
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.50 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

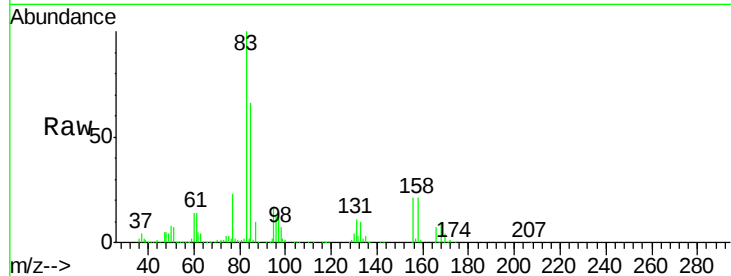
Tot Ion: 83 Resp: 109377

Ion Ratio Lower Upper

83 100

131 11.1 5.7 17.0

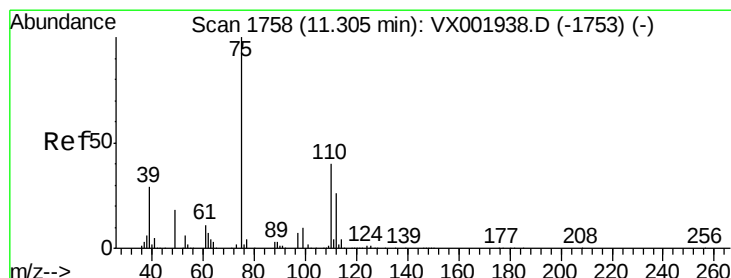
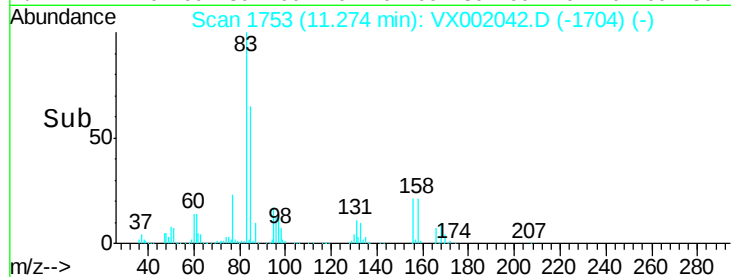
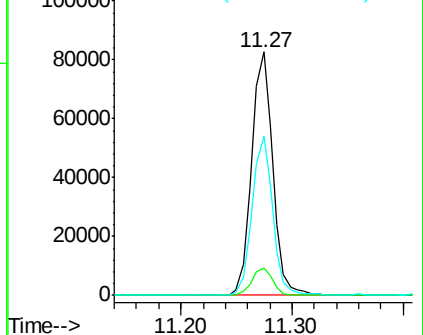
85 63.9 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 26.15 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX002042.D

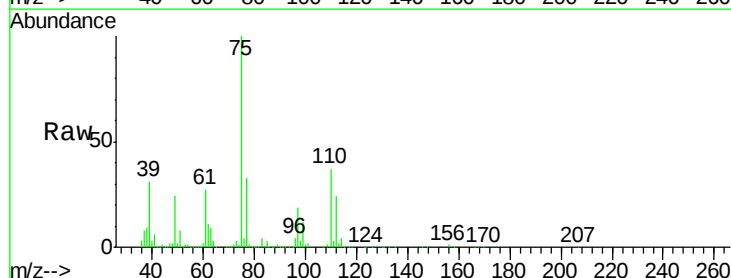
Acq: 27 May 2018 02:32

Tgt Ion: 75 Resp: 133500

Ion Ratio Lower Upper

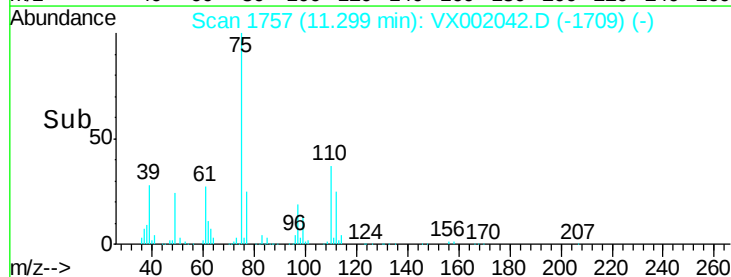
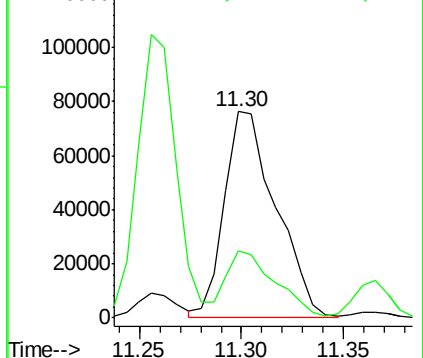
75 100

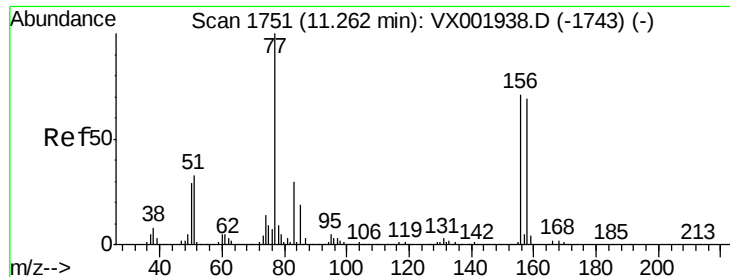
77 32.0 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.71 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

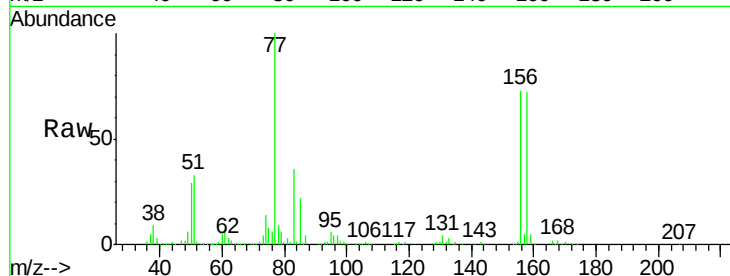
Tot Ion:156 Resp: 94139

Ion Ratio Lower Upper

156 100

77 145.6 75.2 225.6

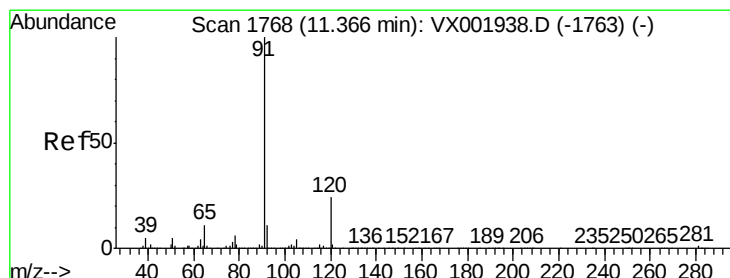
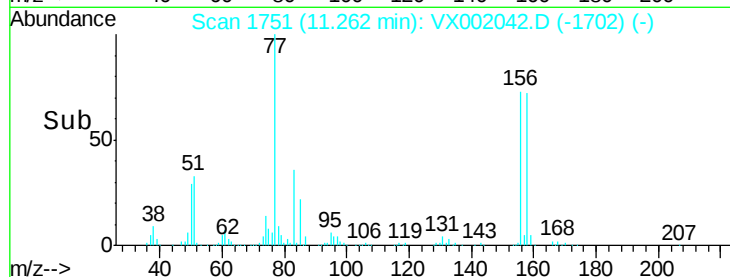
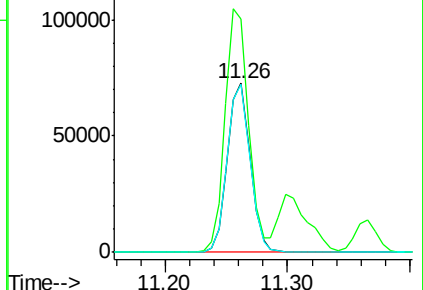
158 99.3 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.98 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002042.D

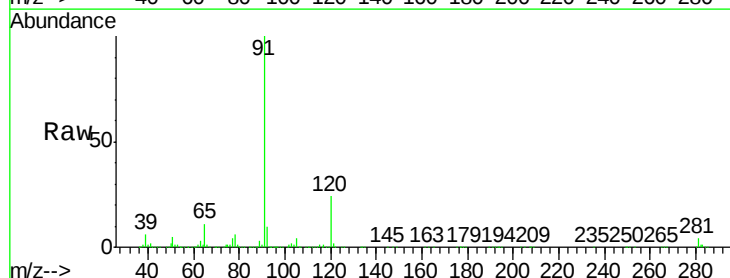
Acq: 27 May 2018 02:32

Tgt Ion: 91 Resp: 382583

Ion Ratio Lower Upper

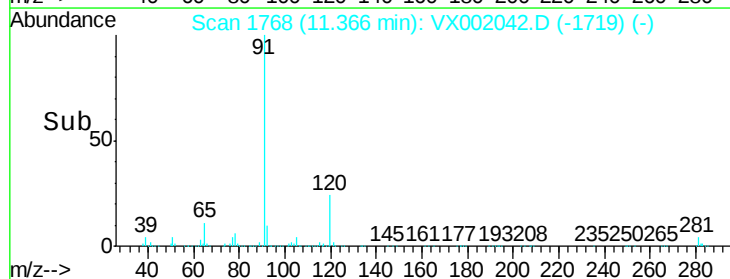
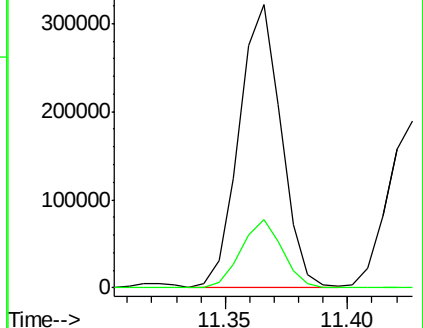
91 100

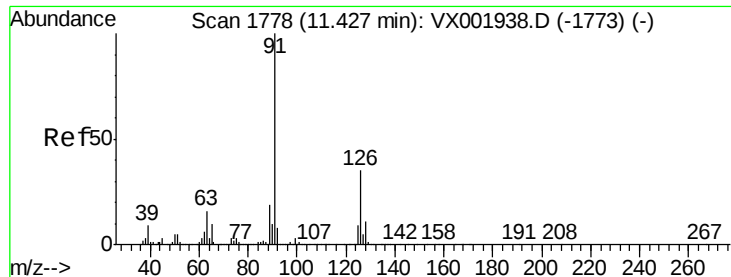
120 23.9 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.99 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

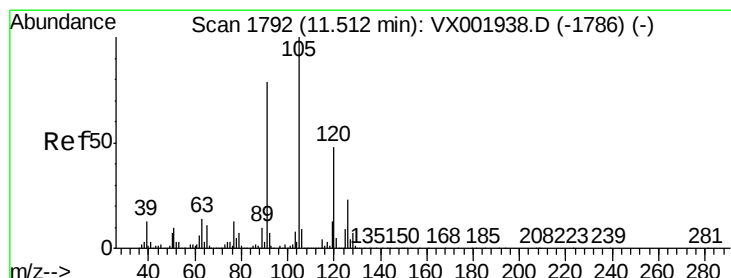
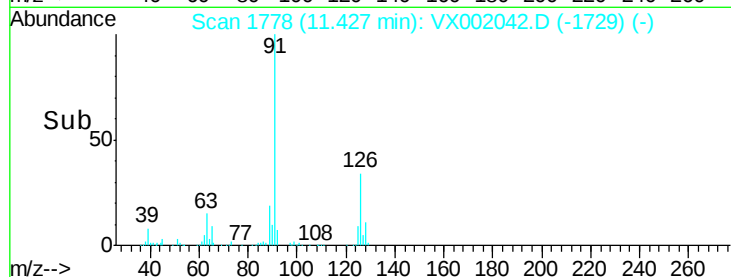
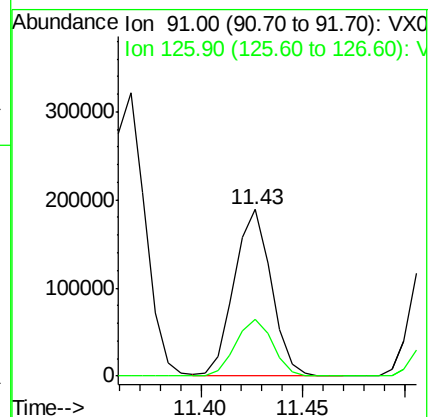
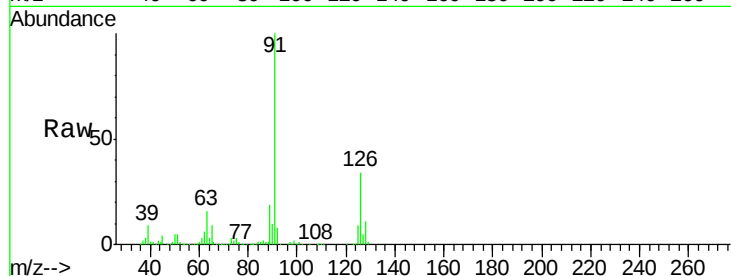
ClientSampleId :

Tot Ion: 91 Resp: 236322

Ion Ratio Lower Upper

91 100

126 34.6 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 19.00 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002042.D

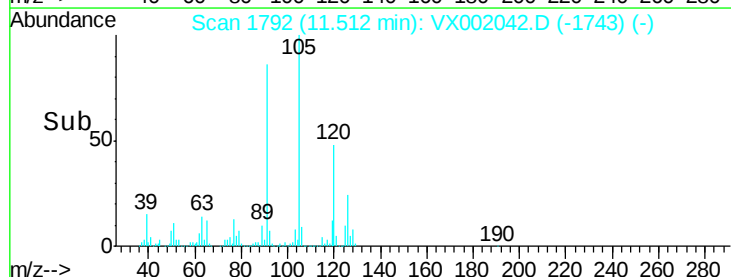
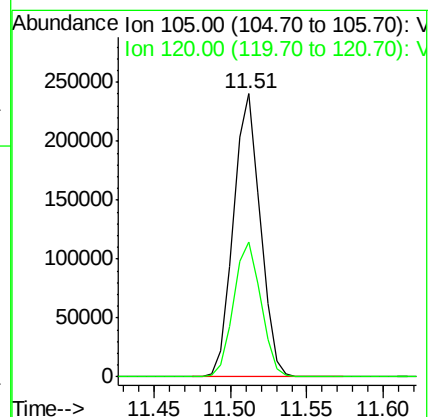
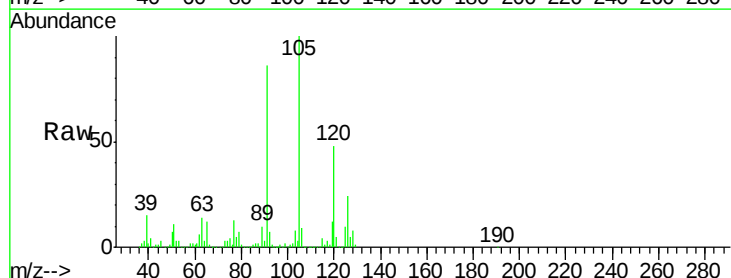
Acq: 27 May 2018 02:32

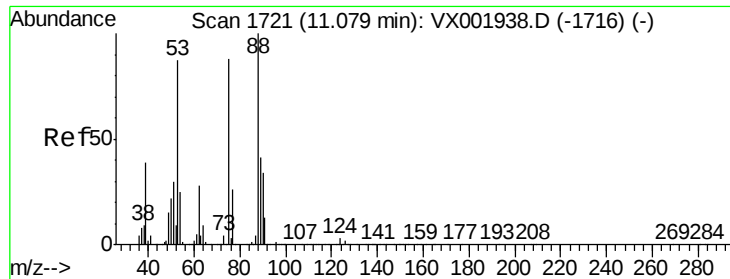
Tgt Ion: 105 Resp: 292278

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 14.97 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

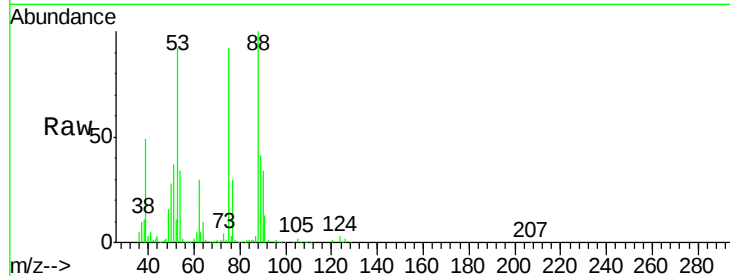
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 31800

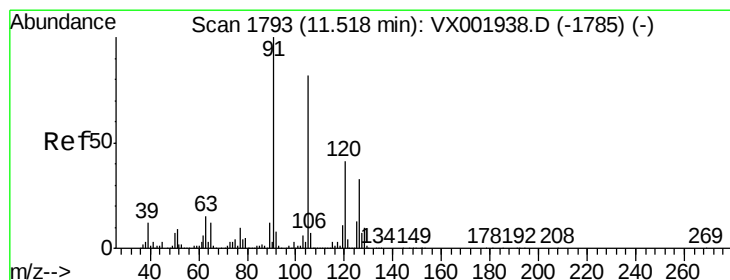
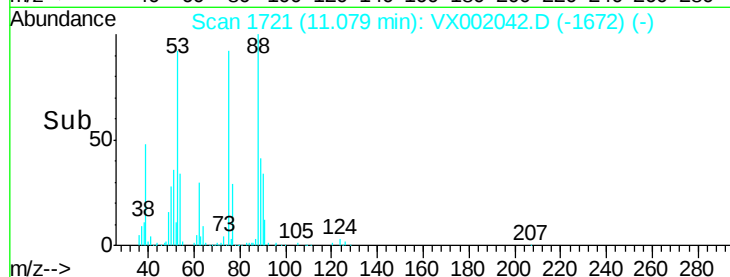
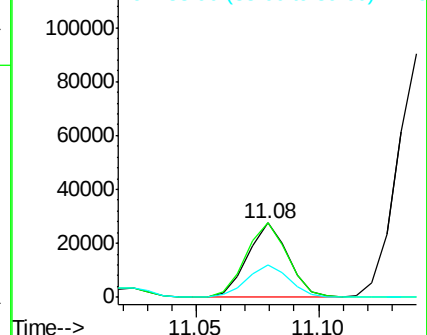
Ion	Ratio	Lower	Upper
75	100		
53	105.7	78.0	117.0
89	45.9	39.4	59.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 18.97 ug/l

RT: 11.51 min Scan# 1792

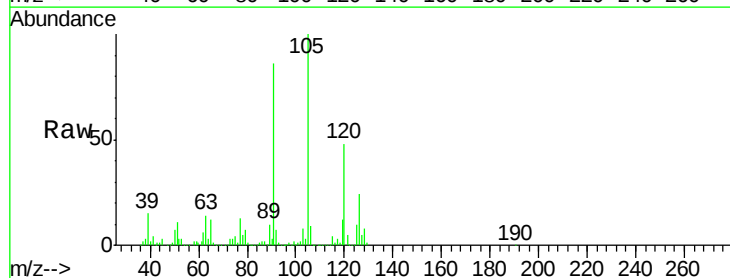
Delta R.T. -0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

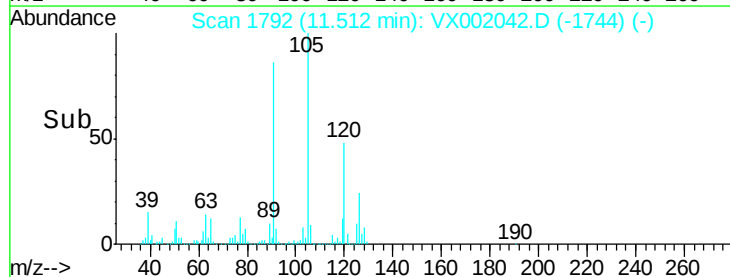
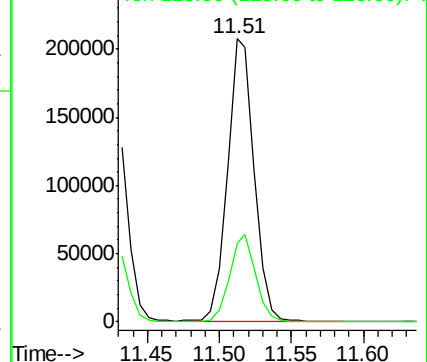
Tgt Ion: 91 Resp: 269667

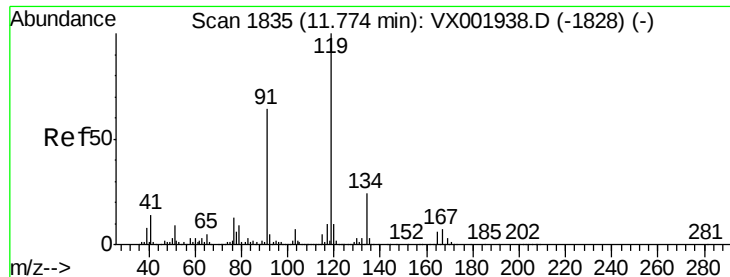
Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.3	45.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 19.23 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

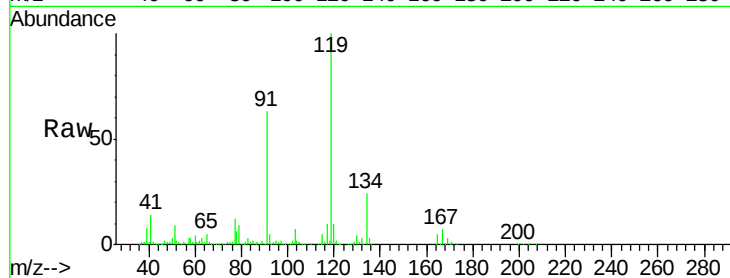
Tot Ion:119 Resp: 290349

Ion Ratio Lower Upper

119 100

91 61.0 30.6 91.8

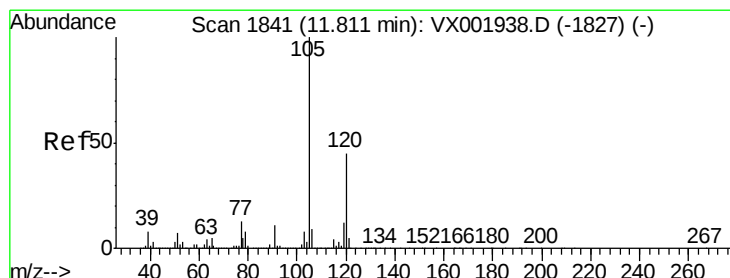
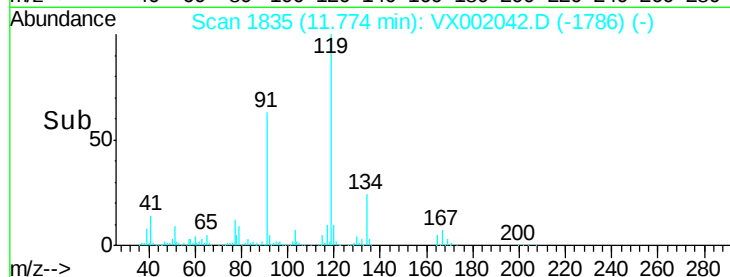
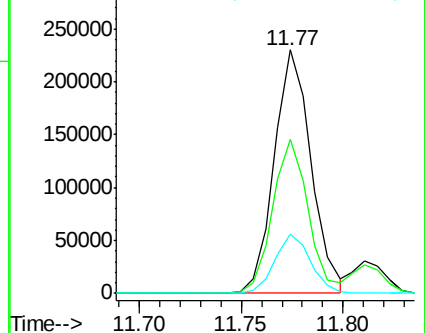
134 23.5 11.7 35.0



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: 18.92 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX002042.D

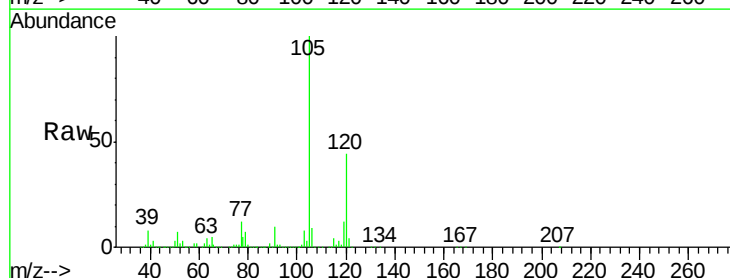
Acq: 27 May 2018 02:32

Tgt Ion:105 Resp: 300714

Ion Ratio Lower Upper

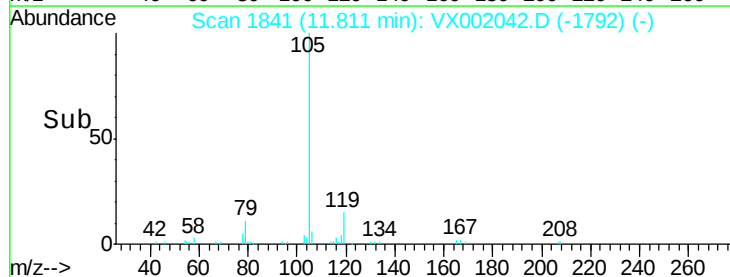
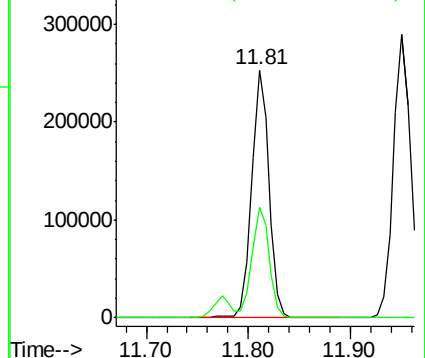
105 100

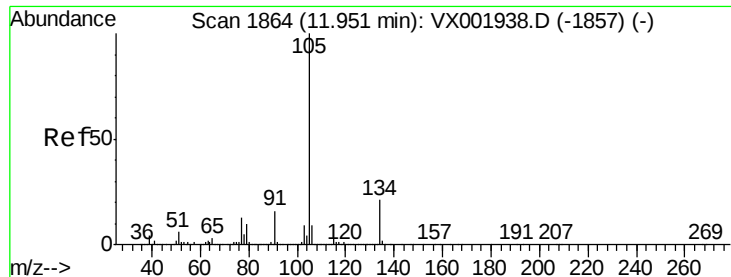
120 44.2 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.02 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

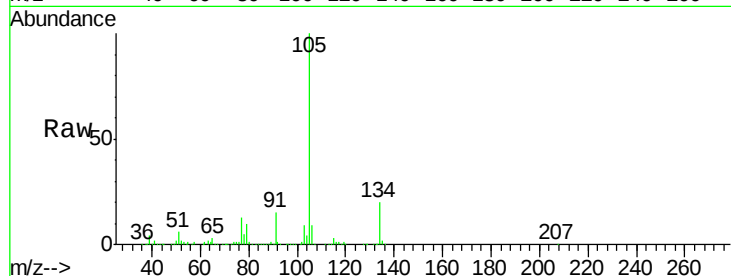
ClientSampleId :

Tot Ion:105 Resp: 345074

Ion Ratio Lower Upper

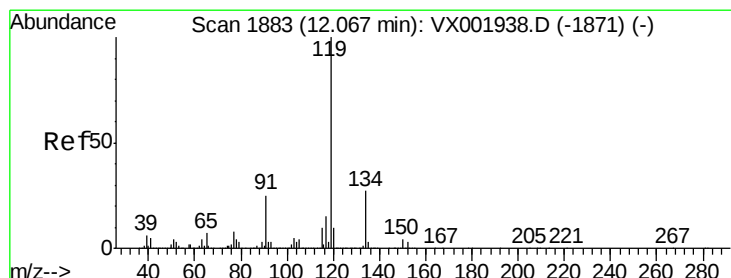
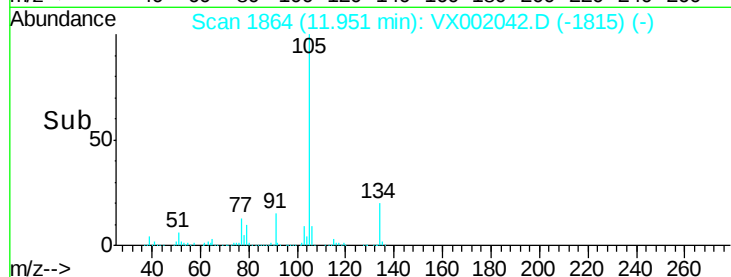
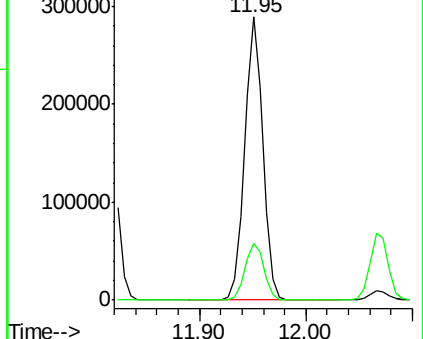
105 100

134 21.0 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: 18.85 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

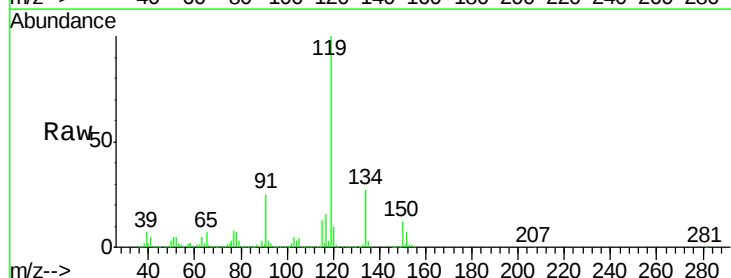
Tgt Ion:119 Resp: 306027

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

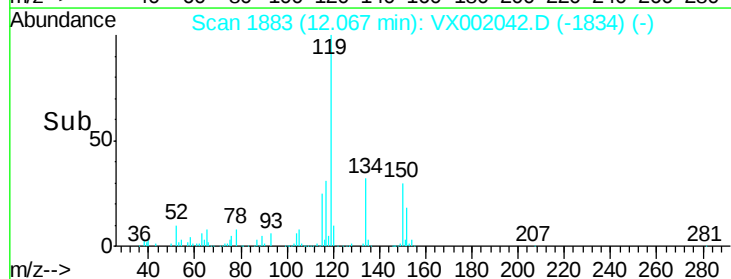
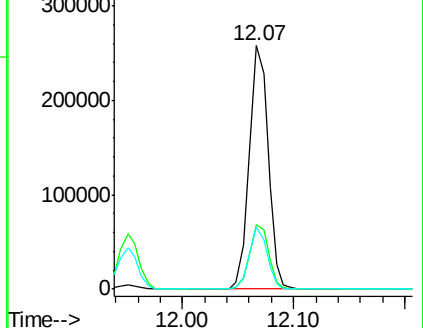
91 24.2 12.2 36.4

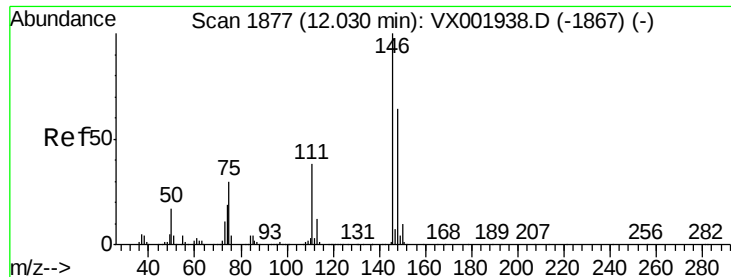


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

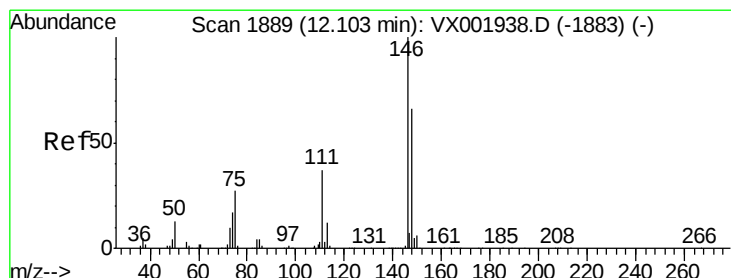
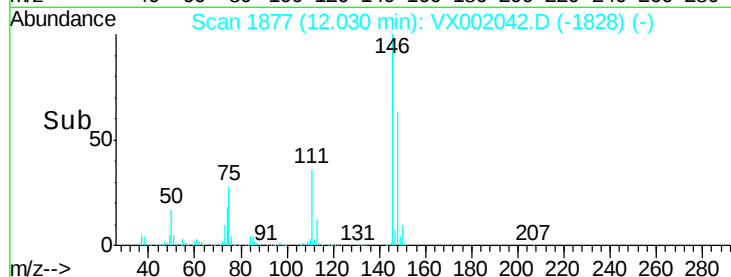
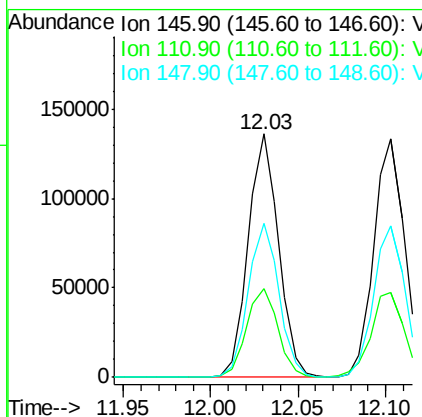
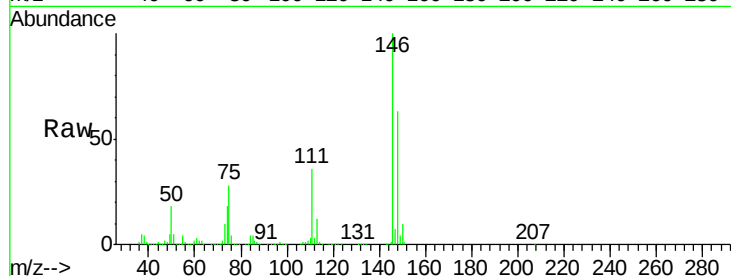




#87
 1,3-Dichlorobenzene
 Concen: 19.22 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002042.D
 Acq: 27 May 2018 02:32

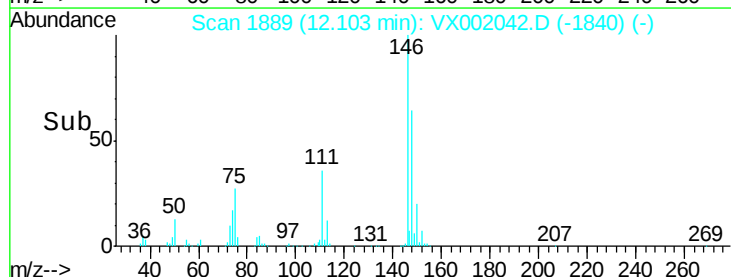
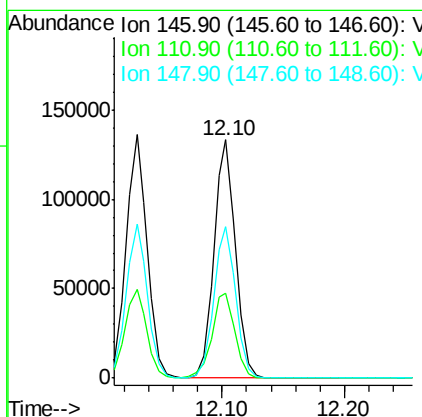
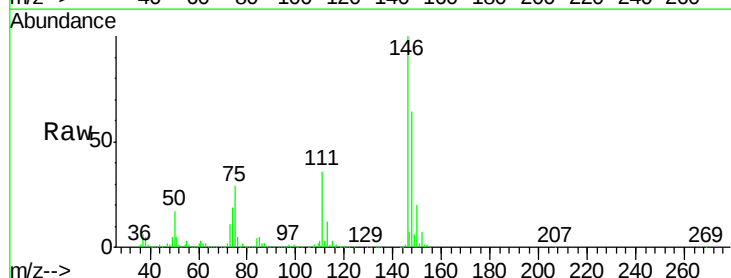
Instrument :
 MSVOA_X
 ClientSampleId :

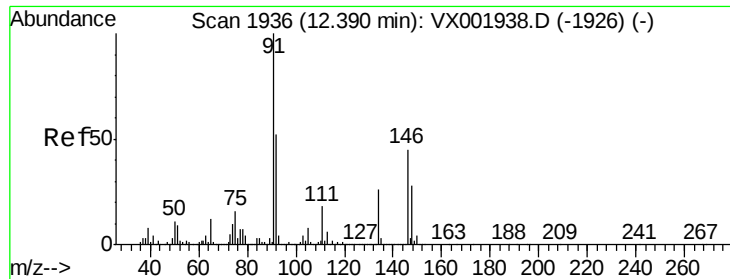
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.3	57.8
148	64.4	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 19.10 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002042.D
 Acq: 27 May 2018 02:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.5
148	64.5	32.3	96.8





#89

n-Butylbenzene

Concen: 17.95 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampled :

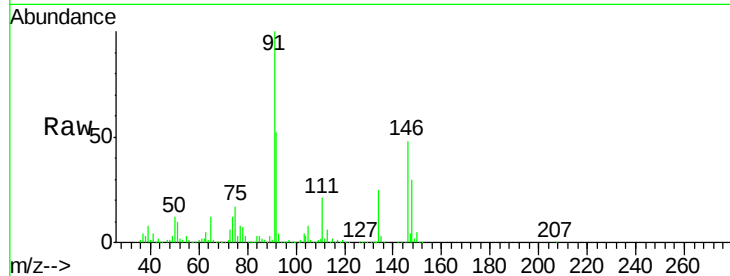
Tot Ion: 91 Resp: 247031

Ion Ratio Lower Upper

91 100

92 52.1 26.3 78.9

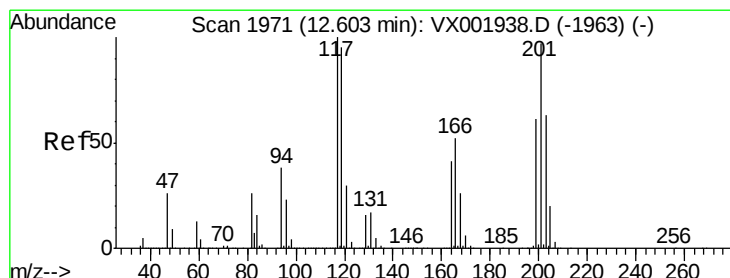
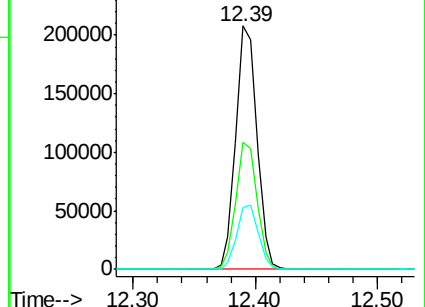
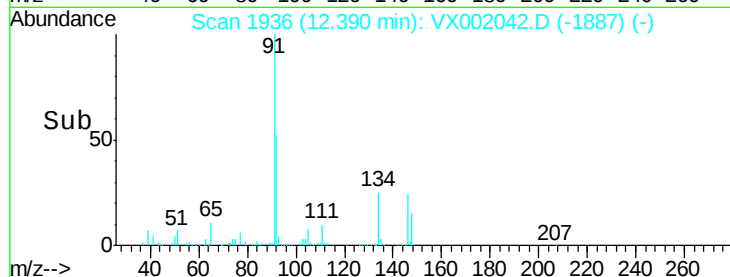
134 26.9 13.6 40.7



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: 17.12 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX002042.D

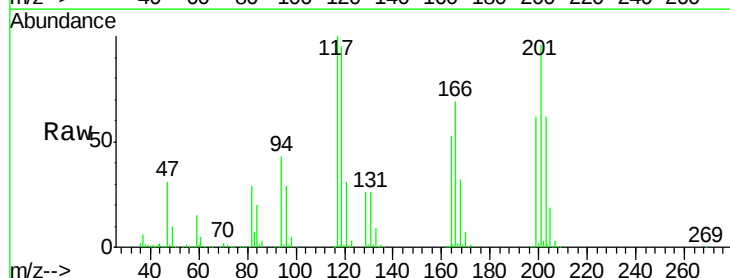
Acq: 27 May 2018 02:32

Tgt Ion: 117 Resp: 54820

Ion Ratio Lower Upper

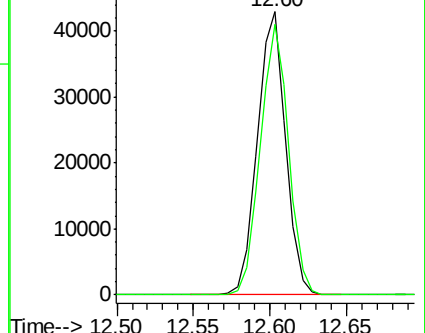
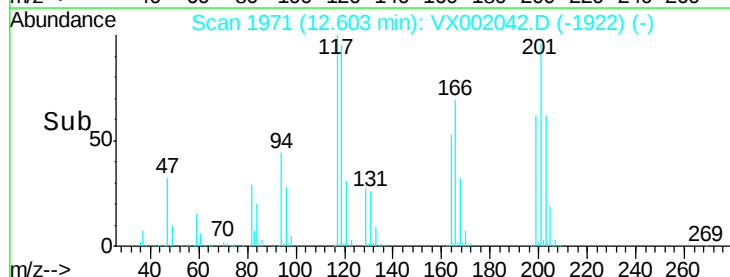
117 100

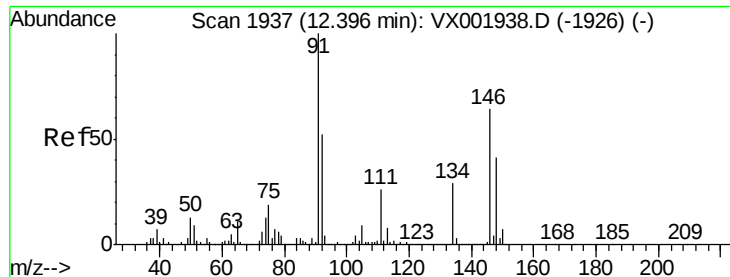
201 96.2 48.0 144.0



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: 19.58 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

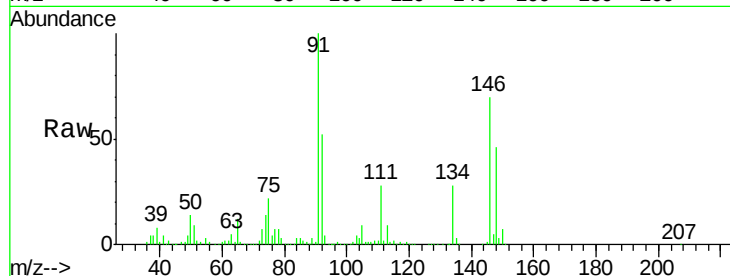
Tot Ion:146 Resp: 170643

Ion Ratio Lower Upper

146 100

111 39.3 19.8 59.3

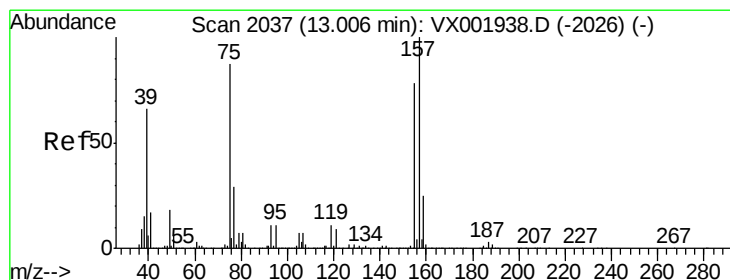
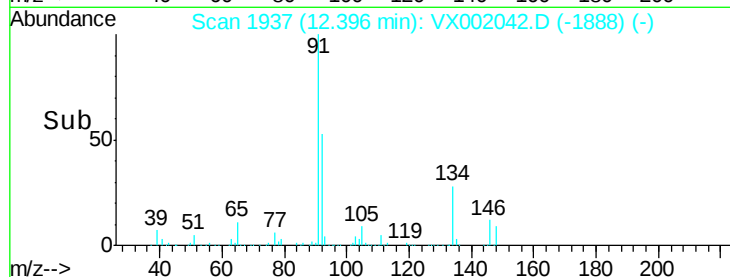
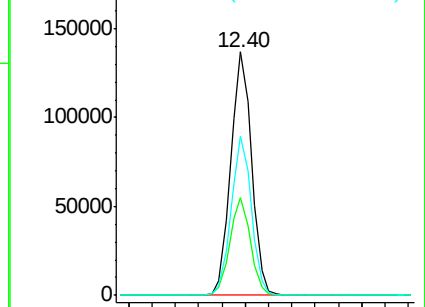
148 63.6 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.43 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

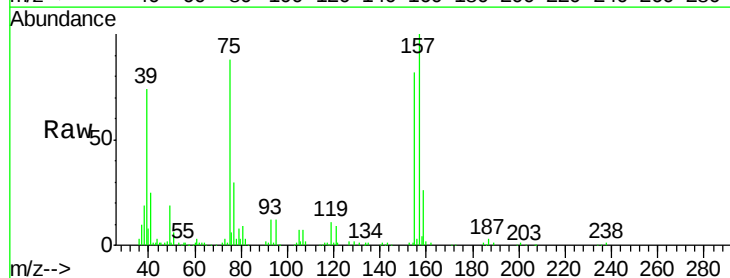
Tgt Ion: 75 Resp: 27898

Ion Ratio Lower Upper

75 100

155 91.6 45.1 135.2

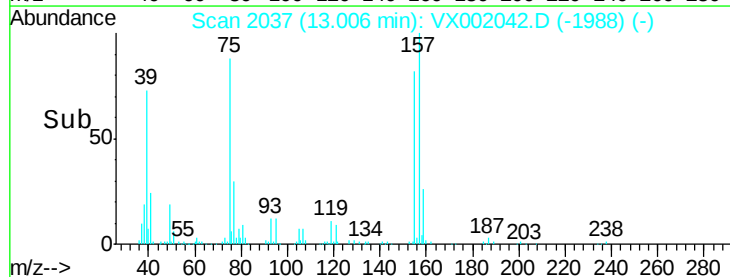
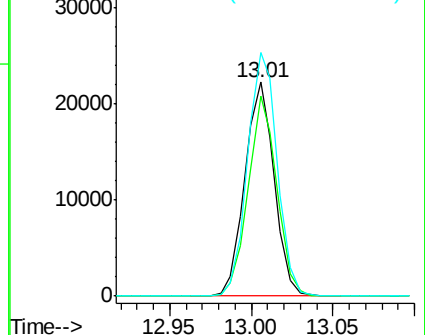
157 115.5 58.1 174.2

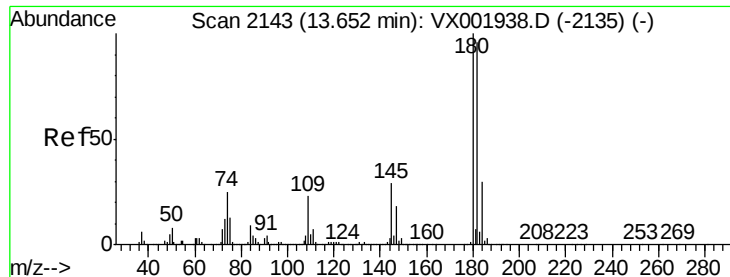


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 18.29 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

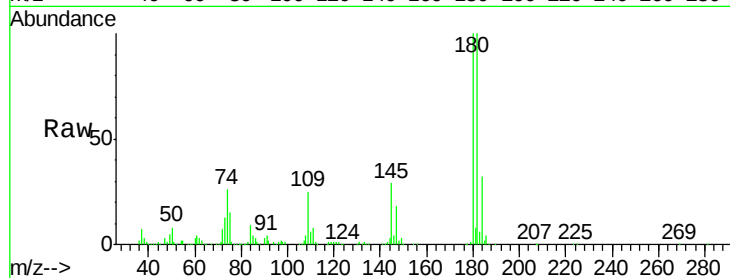
Tot Ion:180 Resp: 113942

Ion Ratio Lower Upper

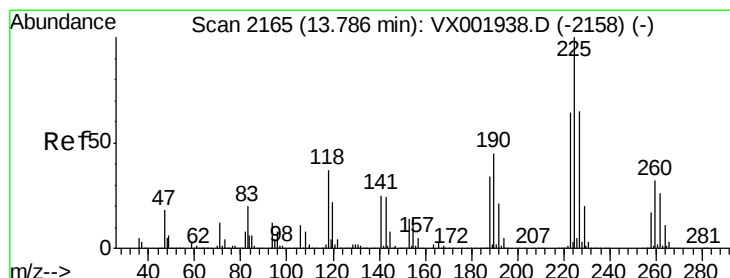
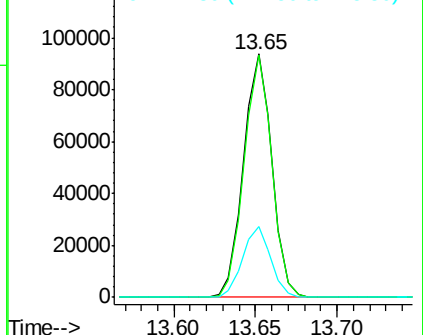
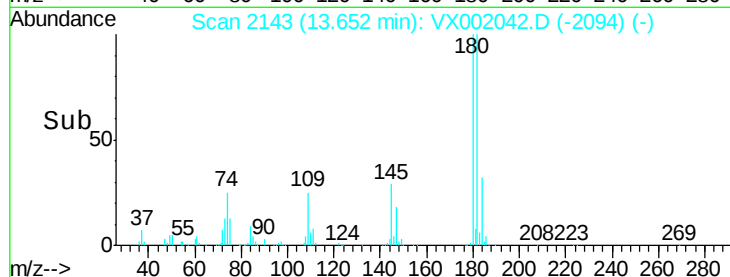
180 100

182 97.5 47.7 143.1

145 28.9 14.4 43.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 18.24 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

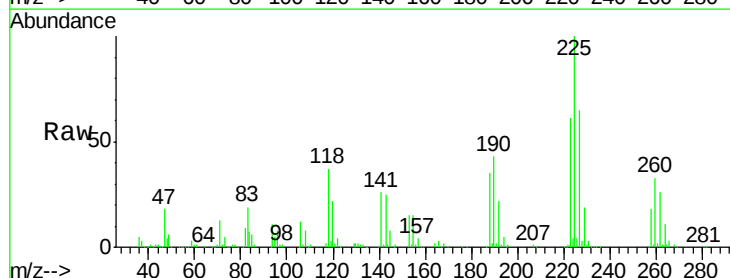
Tgt Ion:225 Resp: 61132

Ion Ratio Lower Upper

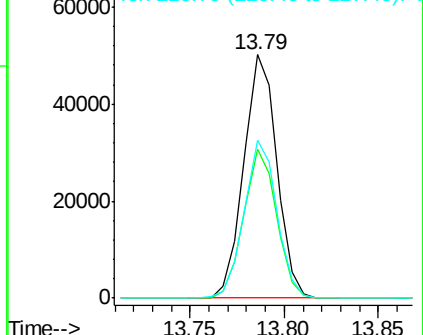
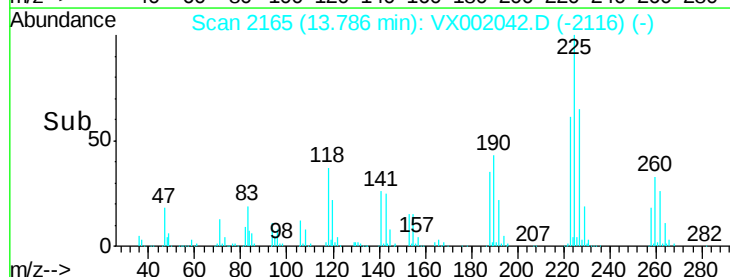
225 100

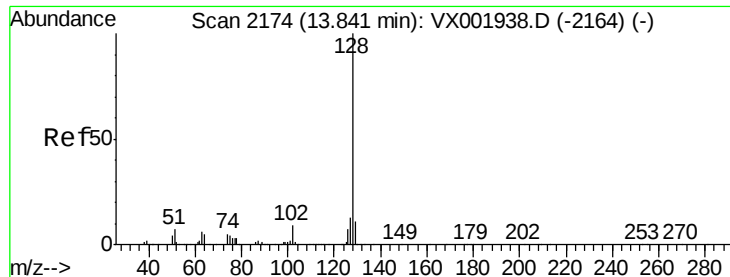
223 60.9 31.1 93.5

227 64.0 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.39 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

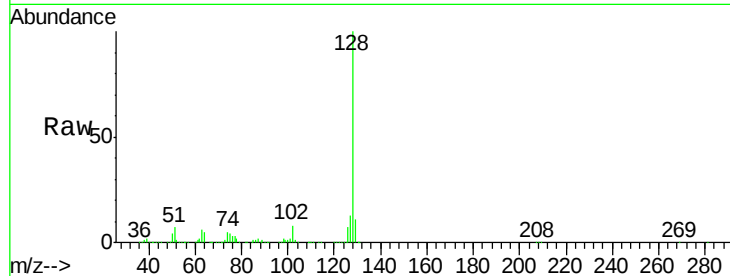
Tot Ion:128 Resp: 372311

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

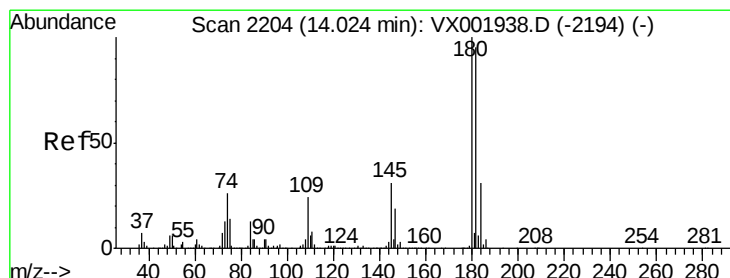
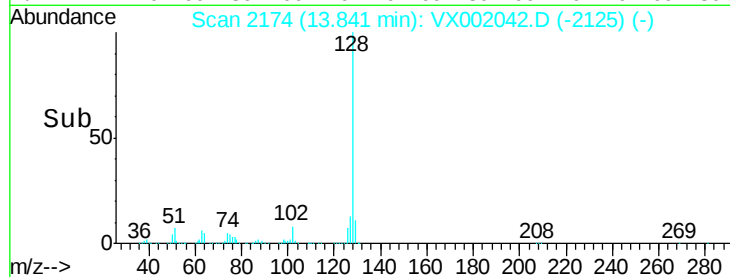
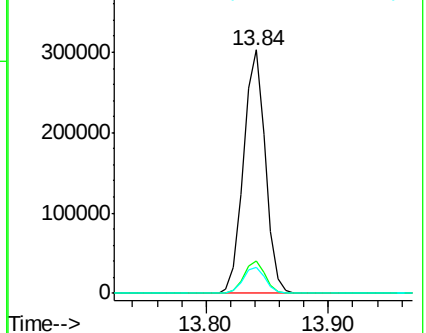
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.02 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

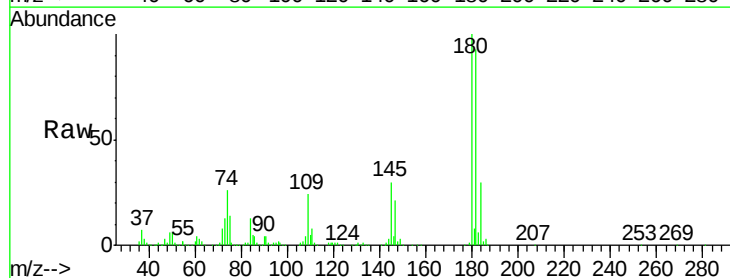
Tgt Ion:180 Resp: 122631

Ion Ratio Lower Upper

180 100

182 95.2 47.9 143.6

145 29.7 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

