

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062218\
 Data File : VX002832.D
 Acq On : 22 Jun 2018 13:48
 Operator : JC/MD
 Sample : VX0622WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 23 00:10:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 15:18:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	46280	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	248365	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	233830	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	107831	30.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.70%
60) 4-Bromofluorobenzene	11.14	95	114582	29.67	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.90%
63) Toluene-d8	8.72	98	310351	30.38	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.27%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	47578	21.54	ug/l	99
3) Chloromethane	1.32	50	48032	20.03	ug/l	98
4) Vinyl Chloride	1.40	62	52661	19.71	ug/l	99
5) Bromomethane	1.64	94	23339	14.95	ug/l	98
6) Chloroethane	1.73	64	35244	19.61	ug/l	96
7) Trichlorofluoromethane	1.93	101	91595	19.29	ug/l	100
8) Diethyl Ether	2.19	74	33242	19.63	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	52115	19.17	ug/l	98
10) 1,1-Dichloroethene	2.37	96	45292	18.93	ug/l	98
11) Methyl Iodide	2.51	142	45826	16.63	ug/l	98
12) Methyl Acetate	2.78	43	82639	21.28	ug/l	97
13) Acrolein	2.29	56	20228	73.27	ug/l	99
14) Acrylonitrile	3.15	53	145105	99.36	ug/l	100
15) Acetone	2.45	58	41790	102.96	ug/l	96
16) Carbon Disulfide	2.57	76	113481	18.94	ug/l	99
17) Allyl chloride	2.73	41	91055	19.12	ug/l	94
18) Methylene Chloride	2.86	84	53808	19.65	ug/l	97
19) trans-1,2-Dichloroethene	3.17	96	48958	19.08	ug/l	97
20) Diisopropyl ether	3.87	45	176423	19.89	ug/l	93
21) 1,1-Dichloroethane	3.70	63	99350	20.83	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	55633	20.17	ug/l	92
23) tert-Butyl Alcohol	3.07	59	69015	104.09	ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	169770	19.00	ug/l	99
25) Chloroform	5.22	83	97893	20.45	ug/l	99
26) Cyclohexane	5.58	56	78393	19.34	ug/l	# 96
29) 1,1-Dichloropropene	5.81	75	69424	20.70	ug/l	99
30) 2-Butanone	4.71	43	208588	108.68	ug/l	98
31) 2,2-Dichloropropane	4.59	77	72596	20.25	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	83378	20.58	ug/l	99
33) Carbon Tetrachloride	5.78	117	75371	20.70	ug/l	99
34) Benzene	6.15	78	208227	20.96	ug/l	98
35) Methacrylonitrile	5.07	41	44743	21.41	ug/l	98
36) 1,2-Dichloroethane	6.20	62	83468	21.40	ug/l	# 93
37) Trichloroethene	7.22	130	60890	20.93	ug/l	89
38) Methylcyclohexane	7.47	83	78902	19.34	ug/l	99
39) 1,2-Dichloropropane	7.52	63	54068	20.87	ug/l	96
40) Dibromomethane	7.67	93	37954	21.08	ug/l	96

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 ClientSampleId :

Quant Time: Jun 23 00:10:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 15:18:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	68851	20.36	ug/l	98
42) Vinyl Acetate	3.83	43	760628	104.50	ug/l	100
43) Ethyl Acetate	4.87	43	79768	21.73	ug/l	99
44) Isopropyl Acetate	6.47	43	125156	20.35	ug/l	99
45) 1,4-Dioxane	7.86	88	136	2.26	ug/l	92
46) Methyl methacrylate	7.78	41	65845	20.95	ug/l	97
47) n-amyl Acetate	10.90	43	111275	19.17	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	78939	19.88	ug/l	99
49) cis-1,3-Dichloropropene	9.05	75	70837	19.11	ug/l	97
50) 1,1,2-Trichloroethane	9.22	97	55737	20.99	ug/l	98
51) Ethyl methacrylate	9.18	69	79568	19.85	ug/l	98
52) 1,3-Dichloropropane	9.38	76	90414	20.85	ug/l	99
53) Dibromochloromethane	9.59	129	55121	19.55	ug/l	100
54) 1,2-Dibromoethane	9.68	107	57877	20.68	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	170752	89.69	ug/l	99
56) Bromoform	10.86	173	41801	18.58	ug/l	100
58) 4-Methyl-2-Pentanone	8.65	43	419098	105.56	ug/l	98
59) 2-Hexanone	9.50	43	324227	106.83	ug/l	100
61) Tetrachloroethene	9.34	164	71318	22.22	ug/l	98
62) Toluene	8.79	91	232886	20.66	ug/l	98
64) Chlorobenzene	10.14	112	152130	20.31	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	56691	20.65	ug/l	98
66) Ethyl Benzene	10.26	91	255375	20.12	ug/l	100
67) m/p-Xylenes	10.36	106	198762	40.29	ug/l	98
68) o-Xylene	10.70	106	96058	19.99	ug/l	97
69) Styrene	10.71	104	158201	19.73	ug/l	99
70) Isopropylbenzene	11.02	105	264087	19.93	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	80791	20.39	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	92382	26.90	ug/l	93
73) Bromobenzene	11.26	156	71755	19.47	ug/l	95
74) n-propylbenzene	11.37	91	300788	19.55	ug/l	99
75) 2-Chlorotoluene	11.43	91	181733	20.30	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	221406	19.68	ug/l	100
77) t-1,4-Dichloro-2-butene	11.08	75	18663	16.90	ug/l	83
78) 4-Chlorotoluene	11.51	91	210852	19.88	ug/l	99
79) tert-butylbenzene	12.07	119	234292	18.88	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	227618	19.81	ug/l	99
81) sec-Butylbenzene	11.95	105	263587	19.15	ug/l	100
82) p-Isopropyltoluene	12.07	119	234292	18.88	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	132761	19.58	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	132683	19.37	ug/l	99
85) n-Butylbenzene	12.39	91	199455	18.13	ug/l	99
86) Hexachloroethane	12.60	117	32354	17.20	ug/l	98
87) 1,2-Dichlorobenzene	12.40	146	135584	19.80	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	17290	19.54	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	94242	18.23	ug/l	100
90) Hexachlorobutadiene	13.79	225	49837	18.52	ug/l	99
91) Naphthalene	13.84	128	264953	19.34	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	99747	19.39	ug/l	99

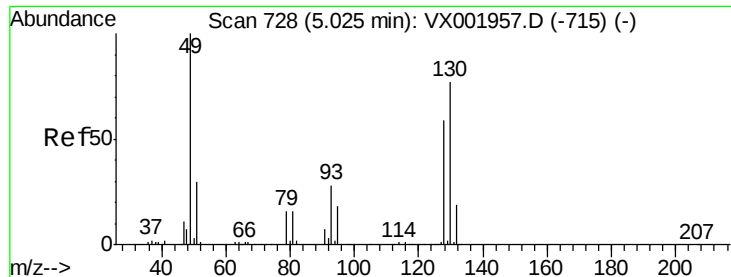
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

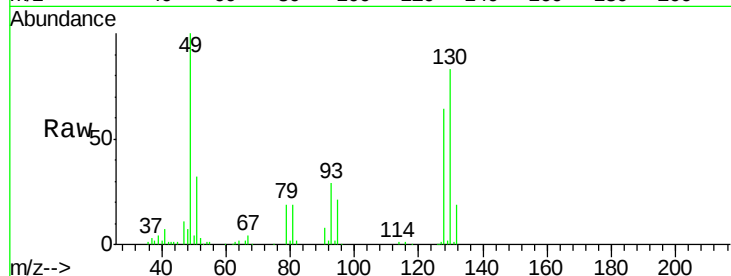
Tot Ion:128 Resp: 46280

Ion Ratio Lower Upper

128 100

49 161.2 0.0 423.0

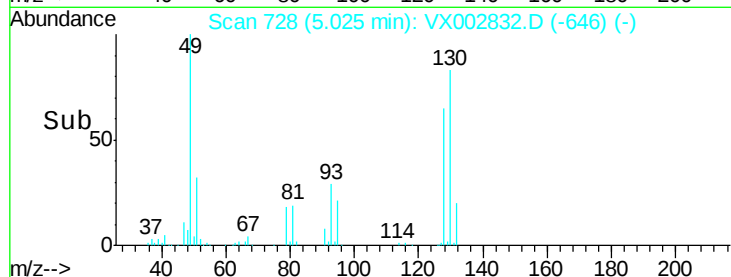
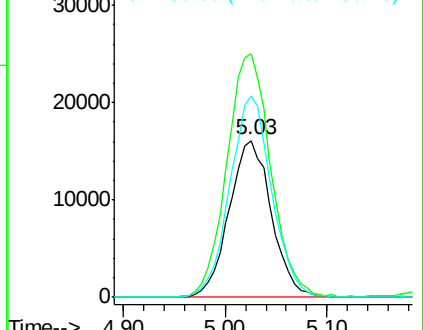
130 127.9 0.0 324.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.54 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002832.D

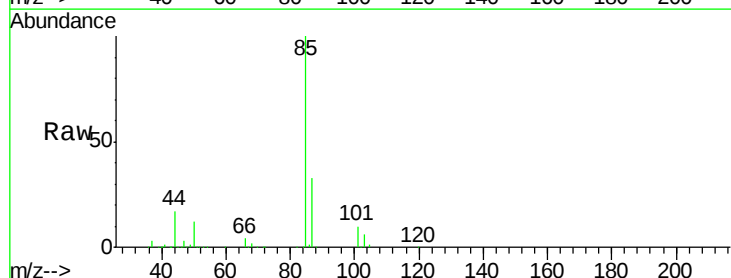
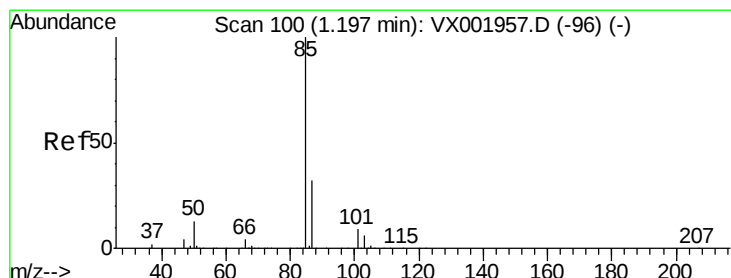
Acq: 22 Jun 2018 13:48

Tgt Ion: 85 Resp: 47578

Ion Ratio Lower Upper

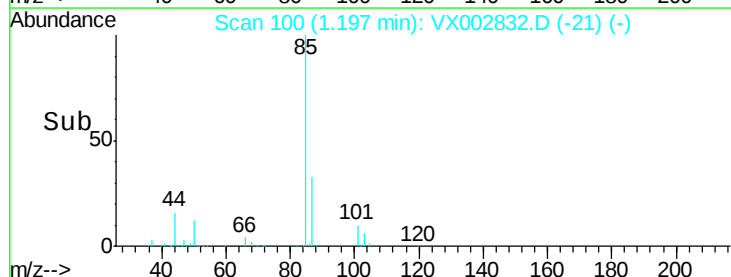
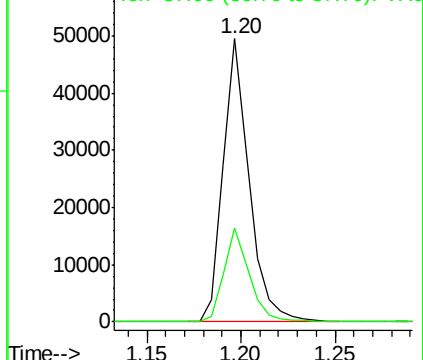
85 100

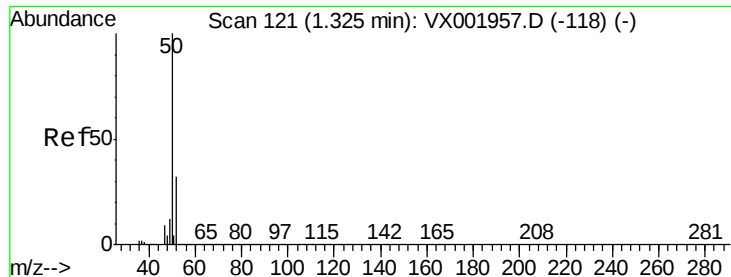
87 33.0 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 20.03 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

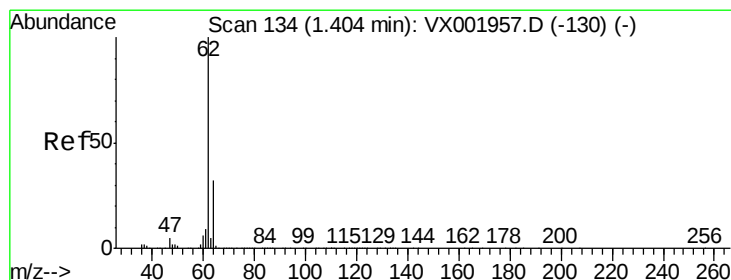
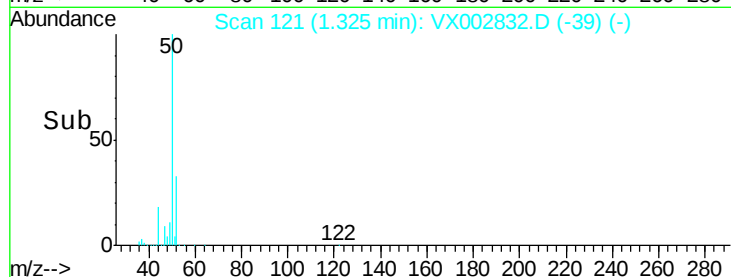
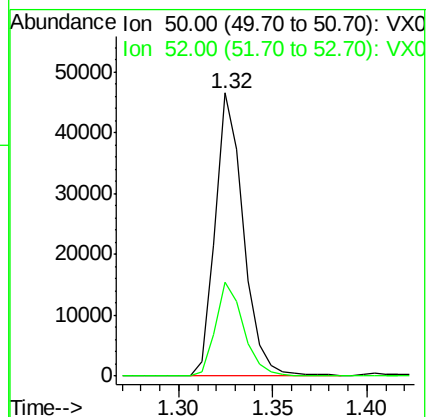
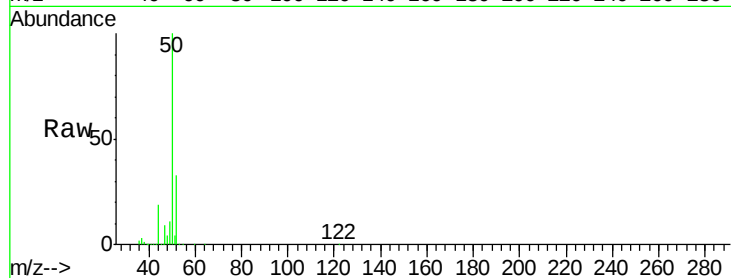
ClientSampleId :

Tot Ion: 50 Resp: 48032

Ion Ratio Lower Upper

50 100

52 33.4 25.6 38.4



#4

Vinyl Chloride

Concen: 19.71 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX002832.D

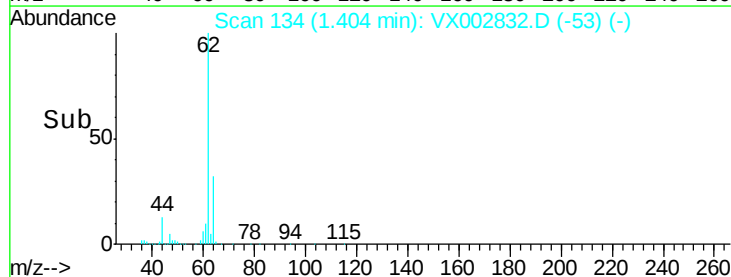
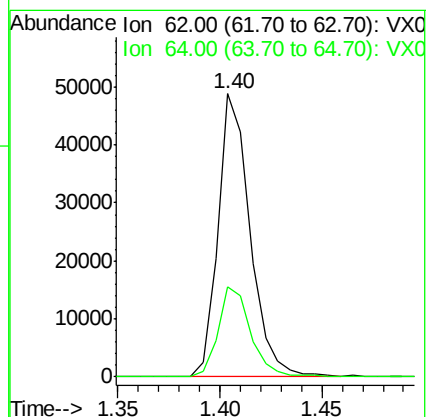
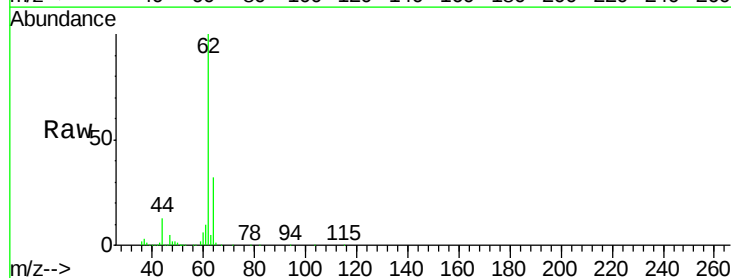
Acq: 22 Jun 2018 13:48

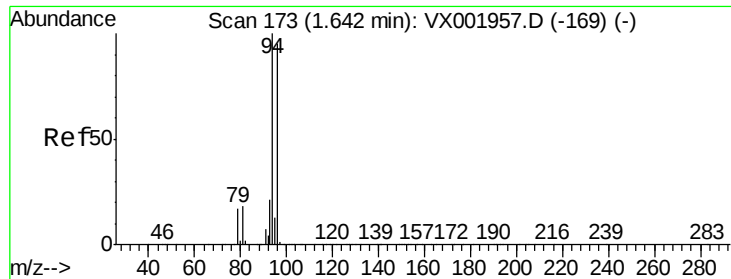
Tgt Ion: 62 Resp: 52661

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 14.95 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

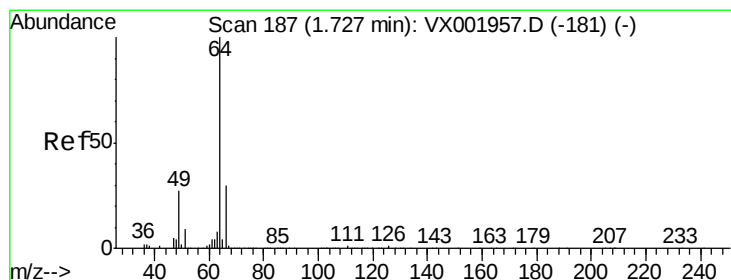
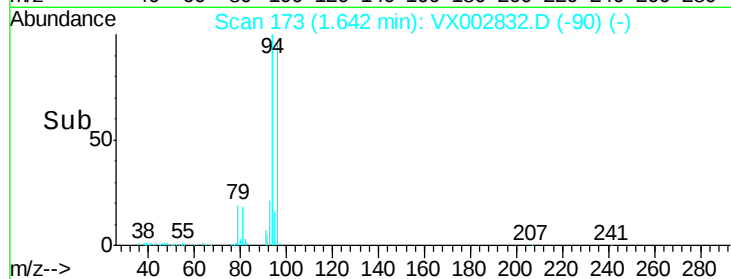
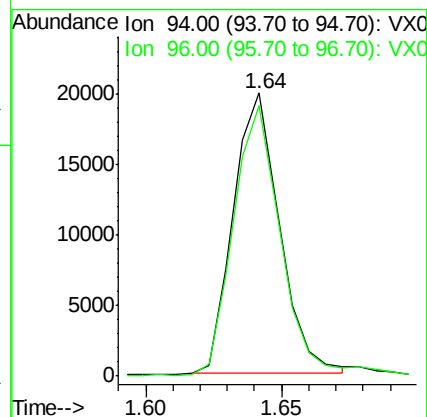
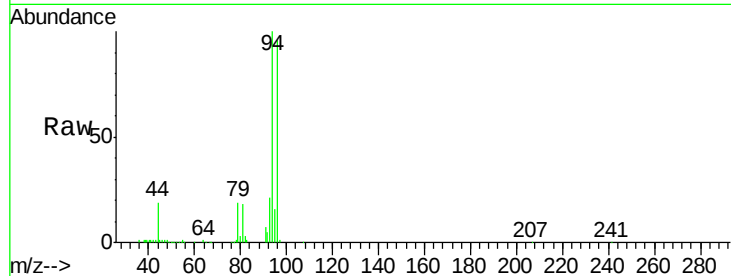
ClientSampleId :

Tot Ion: 94 Resp: 23339

Ion Ratio Lower Upper

94 100

96 96.2 75.7 113.5



#6

Chloroethane

Concen: 19.61 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.02 min

Lab File: VX002832.D

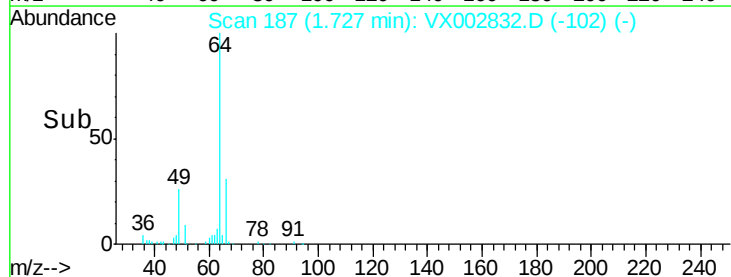
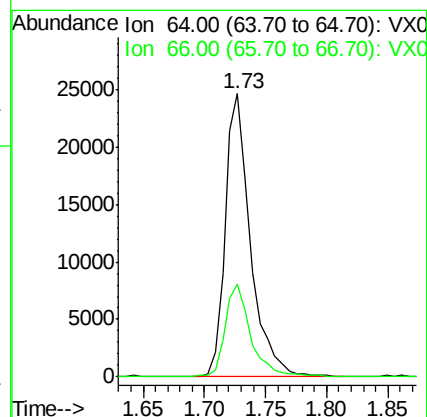
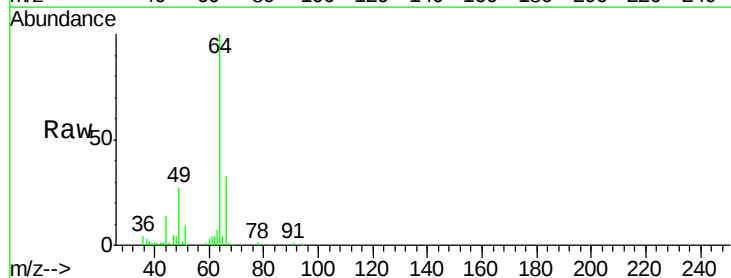
Acq: 22 Jun 2018 13:48

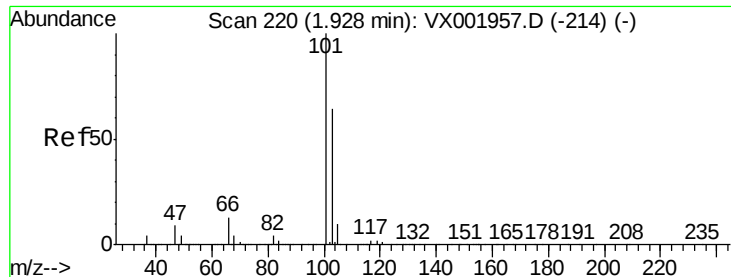
Tgt Ion: 64 Resp: 35244

Ion Ratio Lower Upper

64 100

66 32.8 24.3 36.5



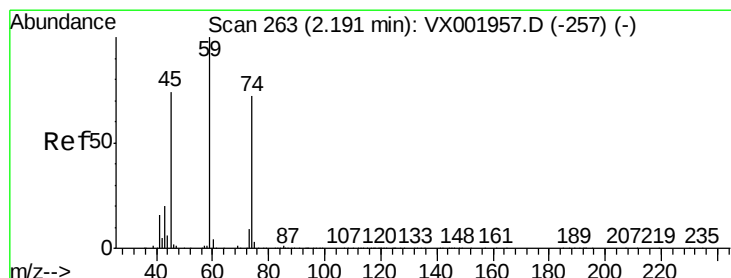
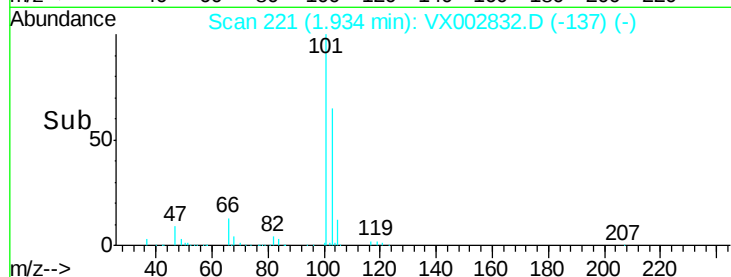
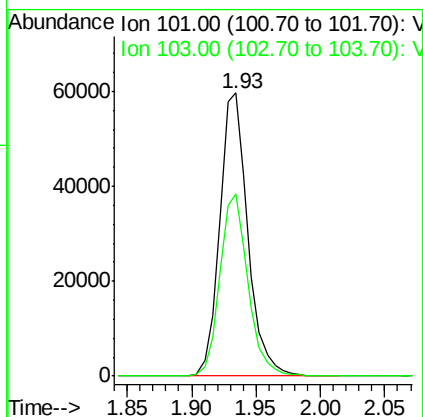
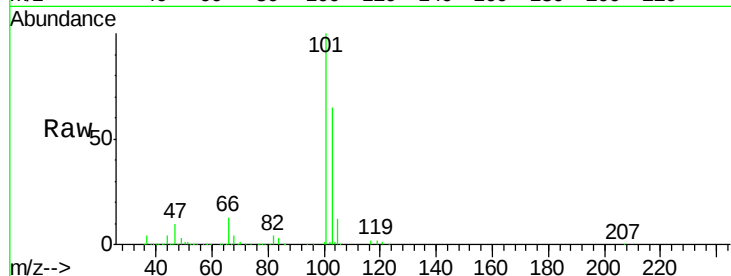


#7

Trichlorofluoromethane
Concen: 19.29 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002832.D
Acq: 22 Jun 2018 13:48

Instrument :
MSVOA_X
ClientSampleId :

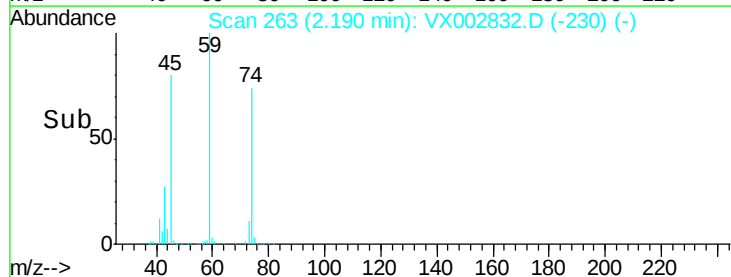
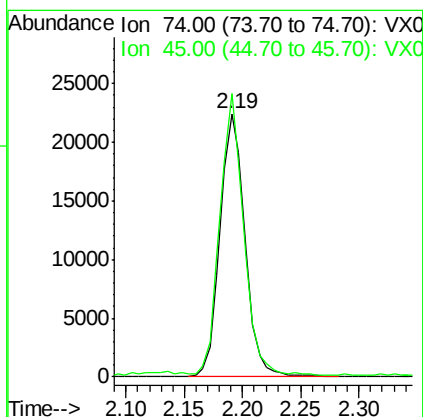
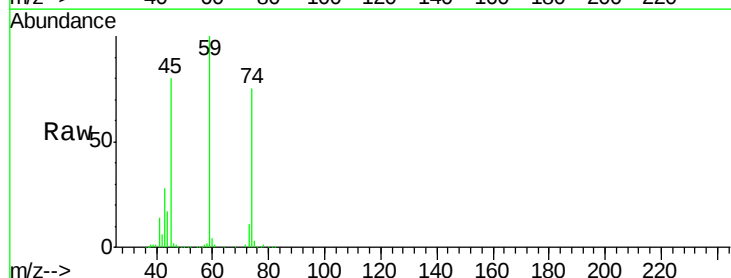
Tot Ion:101 Resp: 91595
Ion Ratio Lower Upper
101 100
103 64.6 51.5 77.3

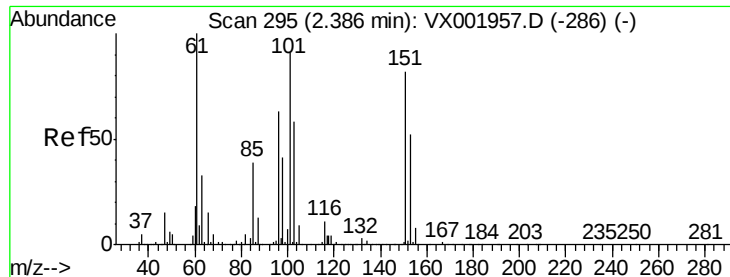


#8

Diethyl Ether
Concen: 19.63 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002832.D
Acq: 22 Jun 2018 13:48

Tgt Ion: 74 Resp: 33242
Ion Ratio Lower Upper
74 100
45 101.1 20.5 184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.17 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

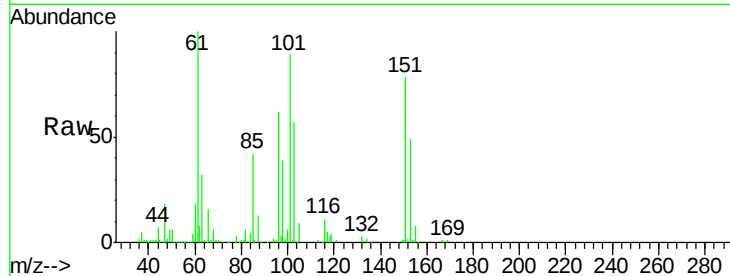
Tot Ion:101 Resp: 52115

Ion Ratio Lower Upper

101 100

85 45.9 0.0 87.0

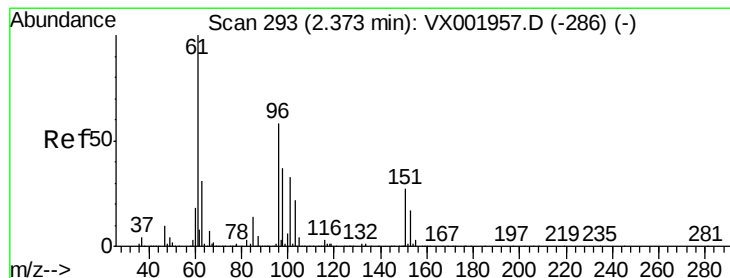
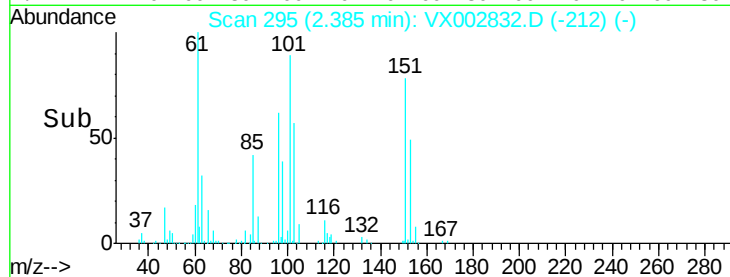
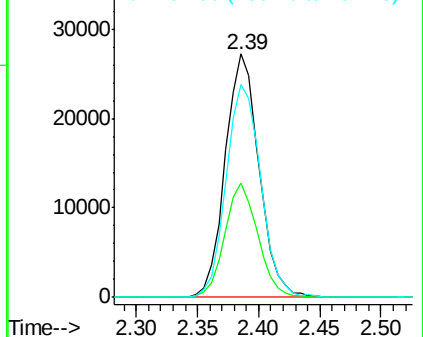
151 89.5 0.0 177.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.93 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.01 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

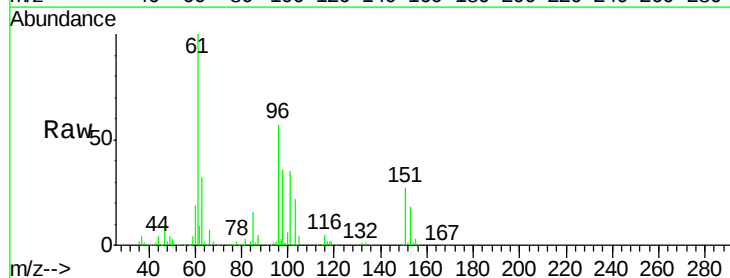
Tgt Ion: 96 Resp: 45292

Ion Ratio Lower Upper

96 100

61 175.3 137.5 206.3

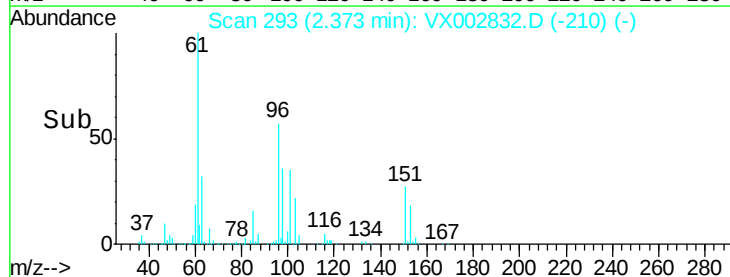
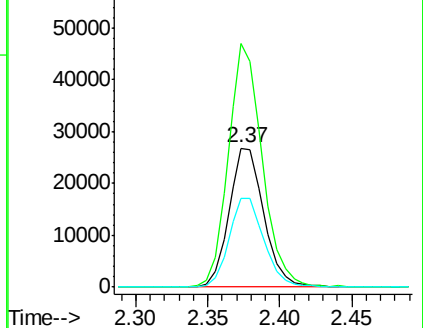
98 63.7 51.4 77.2

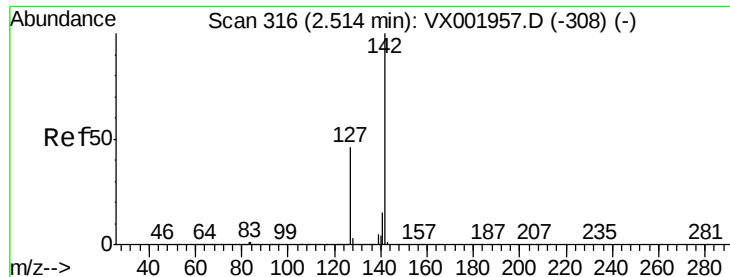


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

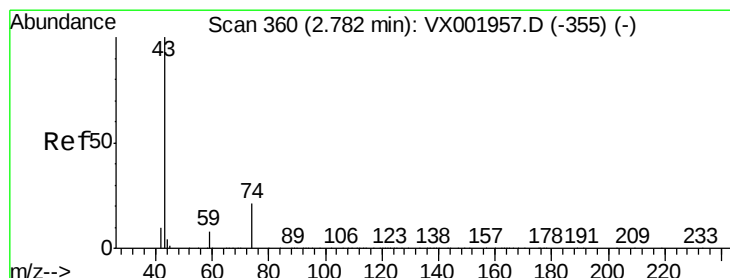
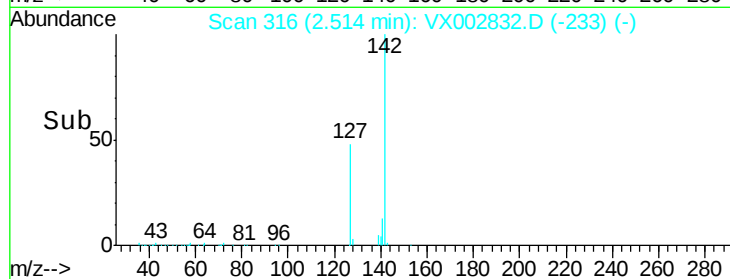
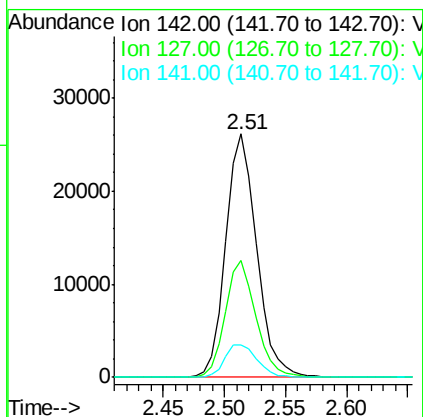
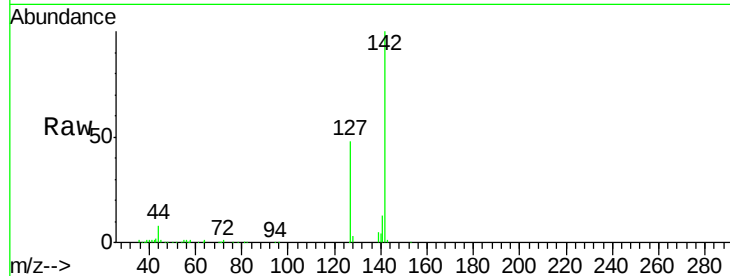




#11
Methvl Iodide
Concen: 16.63 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX002832.D
Acq: 22 Jun 2018 13:48

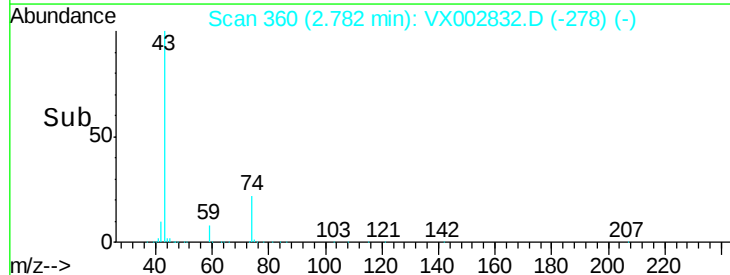
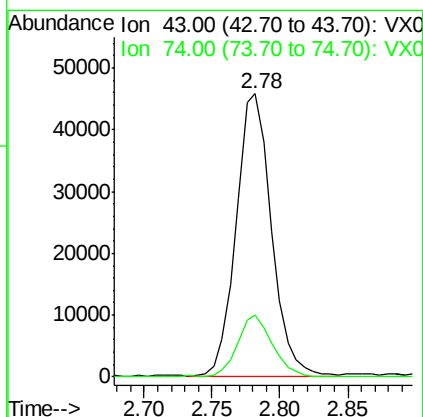
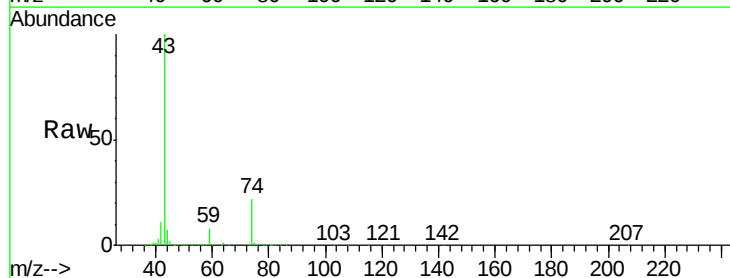
Instrument :
MSVOA_X
ClientSampleId :

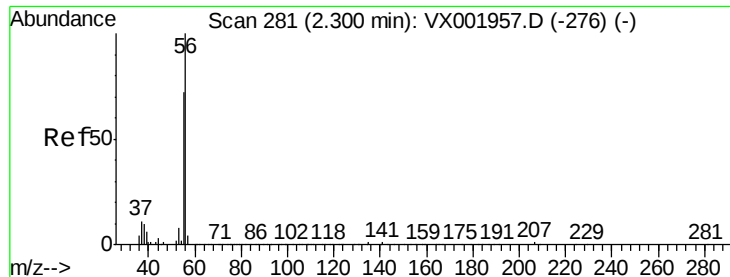
Tot Ion:142 Resp: 45826
Ion Ratio Lower Upper
142 100
127 47.8 23.2 69.6
141 13.5 7.4 22.2



#12
Methyl Acetate
Concen: 21.28 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002832.D
Acq: 22 Jun 2018 13:48

Tgt Ion: 43 Resp: 82639
Ion Ratio Lower Upper
43 100
74 21.9 16.4 24.6





#13

Acrolein

Concen: 73.27 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

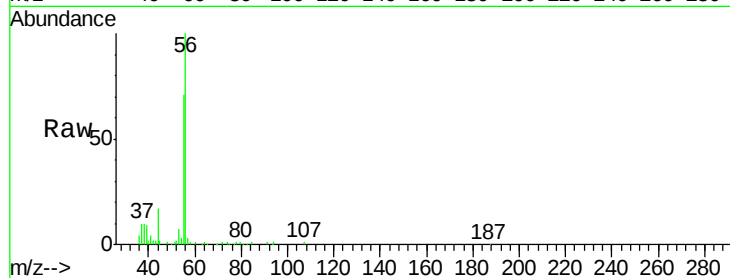
ClientSampled :

Tot Ion: 56 Resp: 20228

Ion Ratio Lower Upper

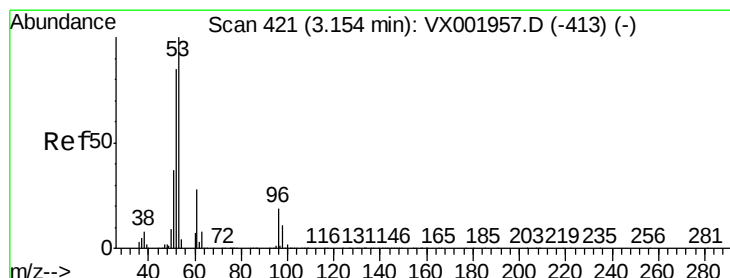
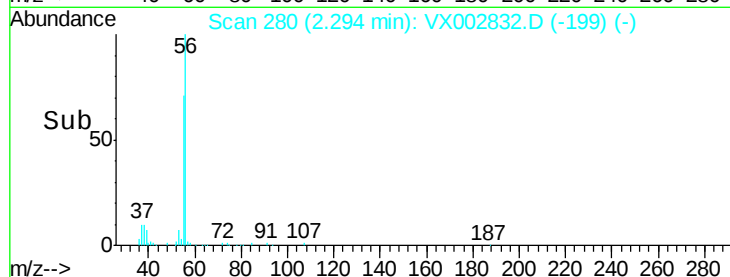
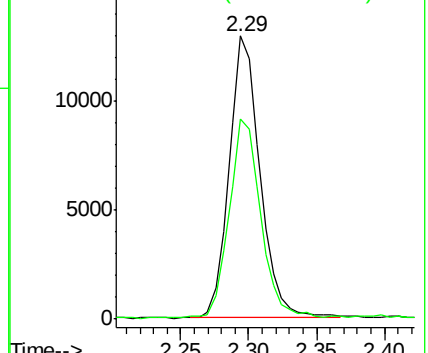
56 100

55 72.1 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 99.36 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

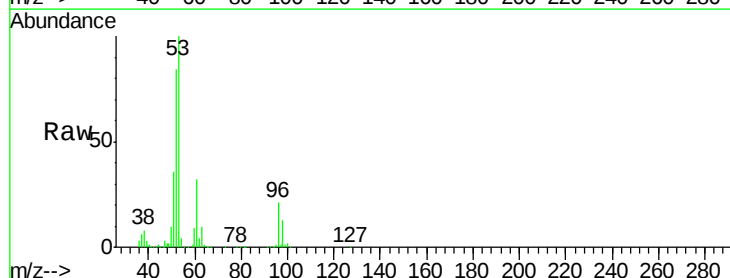
Tgt Ion: 53 Resp: 145105

Ion Ratio Lower Upper

53 100

52 83.2 41.5 124.6

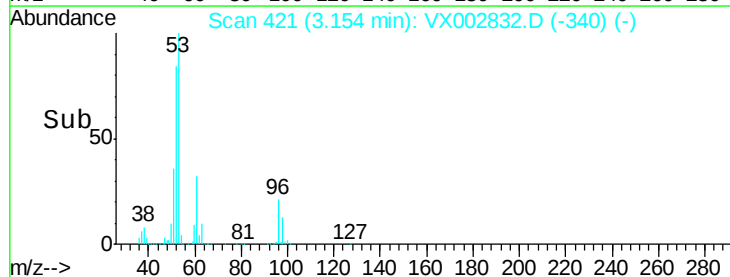
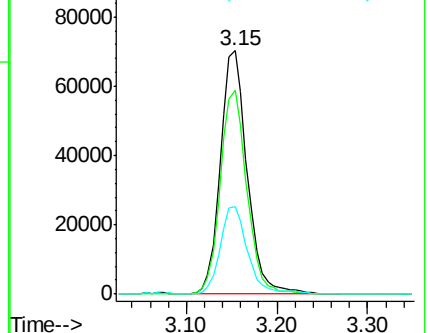
51 35.6 17.9 53.8

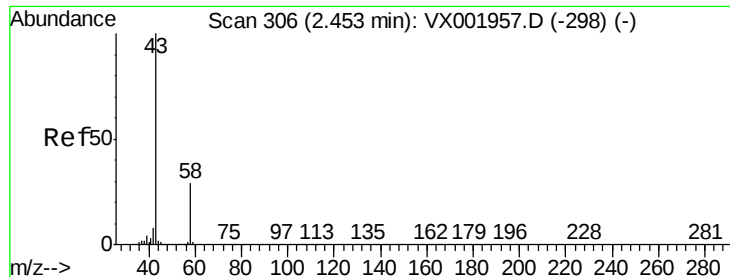


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 102.96 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

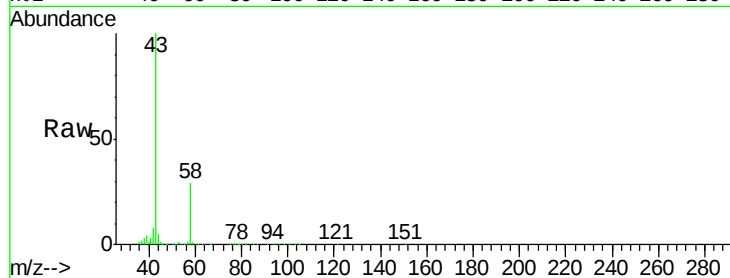
ClientSampleId :

Tot Ion: 58 Resp: 41790

Ion Ratio Lower Upper

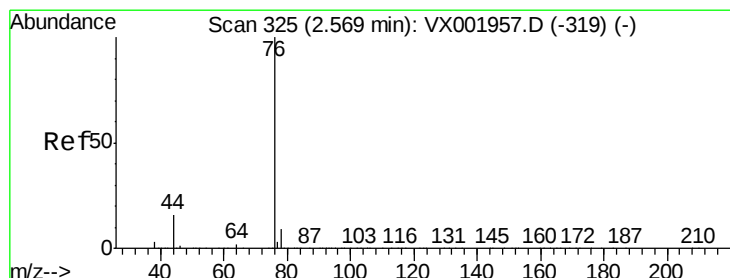
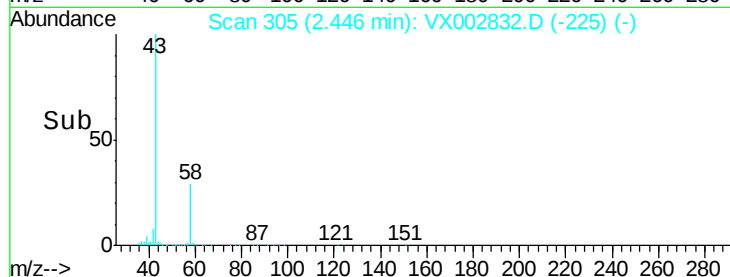
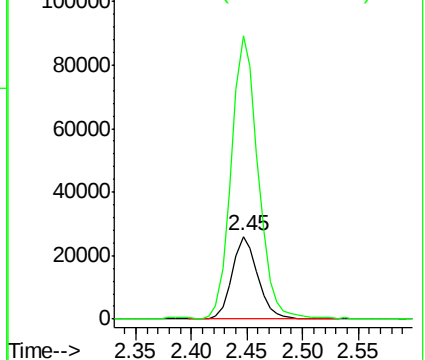
58 100

43 339.8 278.8 418.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 18.94 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX002832.D

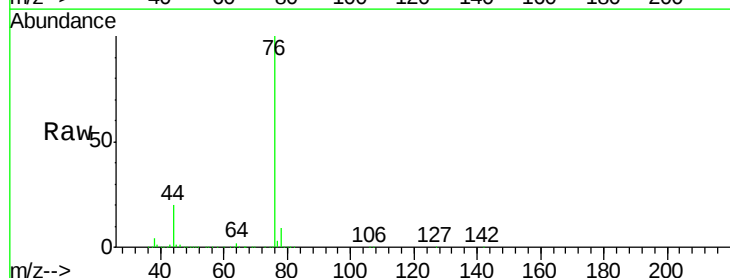
Acq: 22 Jun 2018 13:48

Tgt Ion: 76 Resp: 113481

Ion Ratio Lower Upper

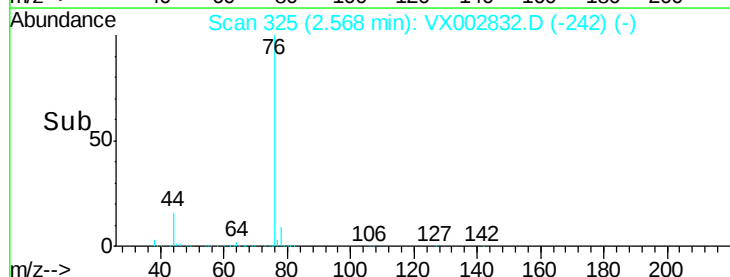
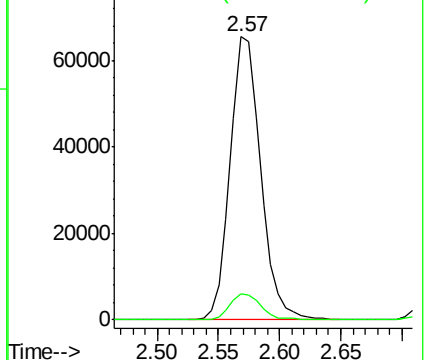
76 100

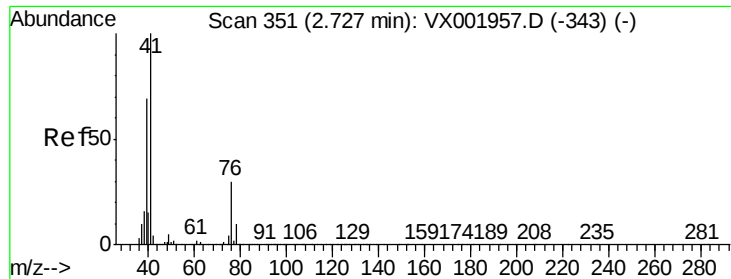
78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

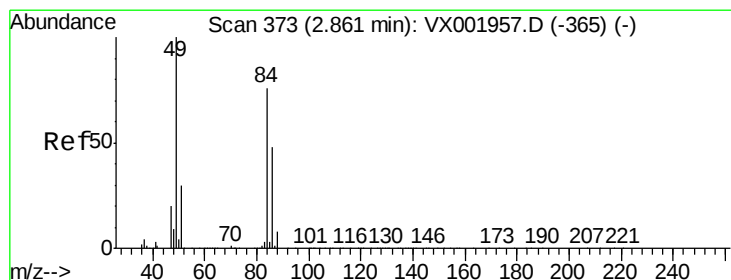
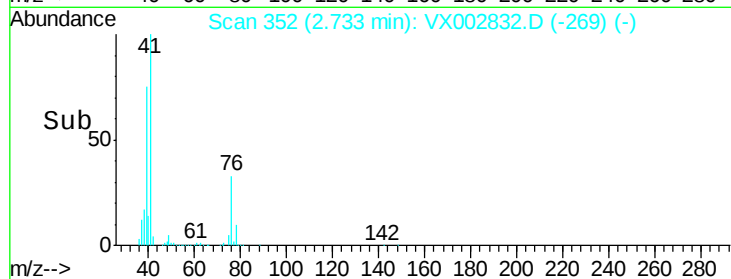
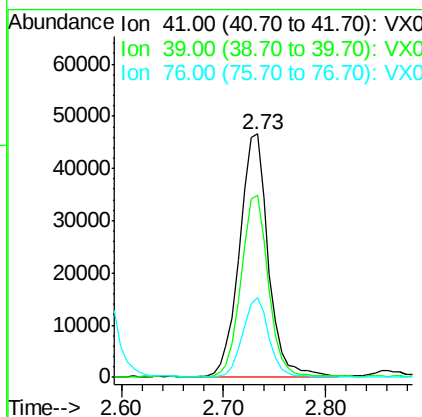
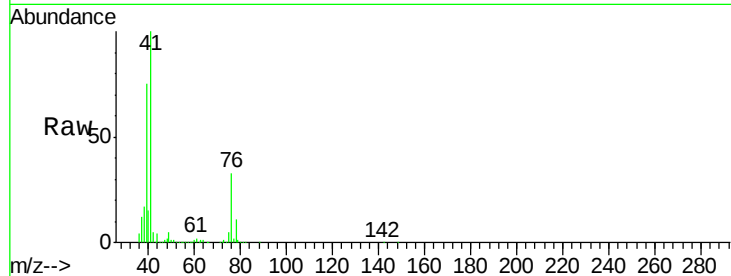




#17
Allvl chloride
Concen: 19.12 ug/l
RT: 2.73 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX002832.D
Acq: 22 Jun 2018 13:48

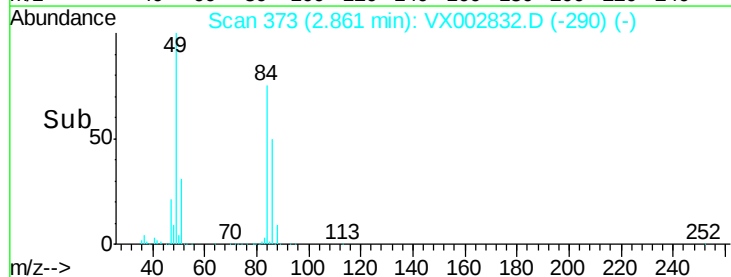
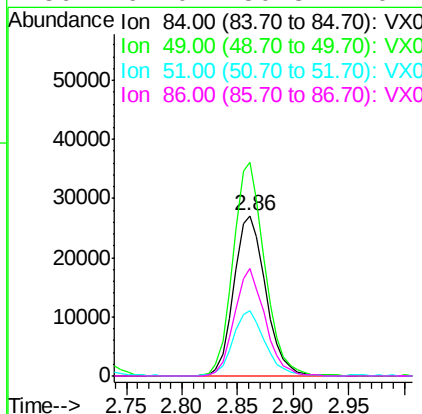
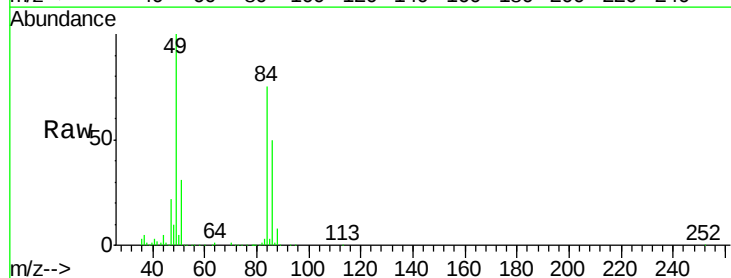
Instrument :
MSVOA_X
ClientSampleId :

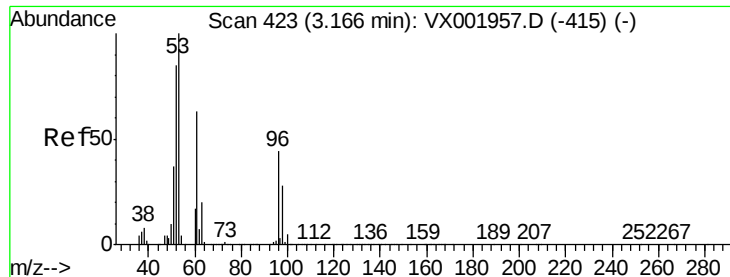
Tot Ion: 41 Resp: 91055
Ion Ratio Lower Upper
41 100
39 74.5 34.6 103.8
76 32.6 15.0 45.1



#18
Methylene Chloride
Concen: 19.65 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002832.D
Acq: 22 Jun 2018 13:48

Tgt Ion: 84 Resp: 53808
Ion Ratio Lower Upper
84 100
49 133.4 104.7 157.1
51 40.7 31.0 46.4
86 67.0 50.8 76.2





#19

trans-1,2-Dichloroethene

Concen: 19.08 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :
MSVOA_X
ClientSampleId :

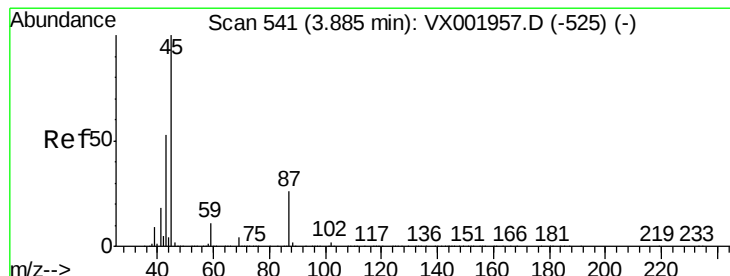
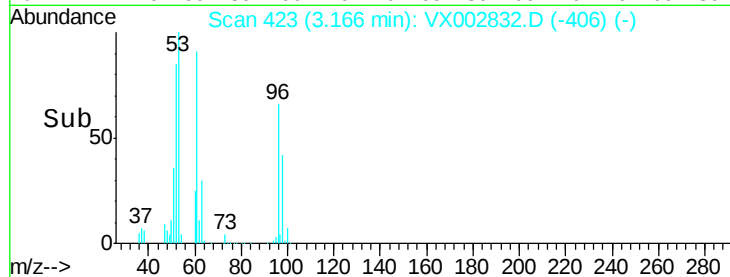
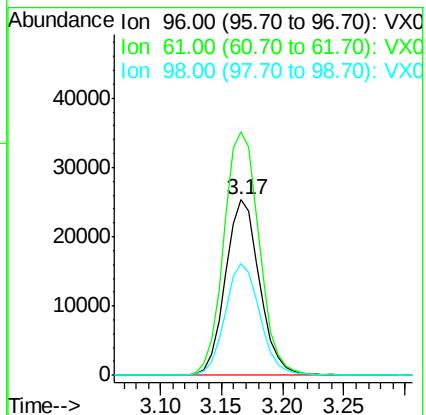
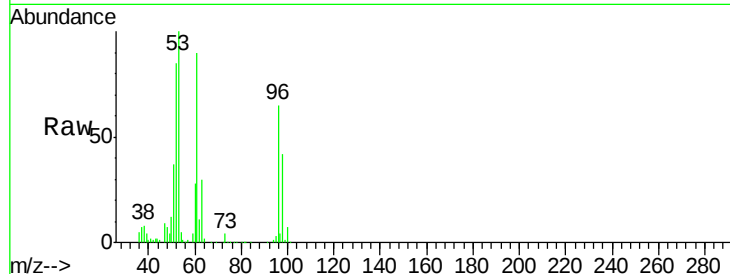
Tot Ion: 96 Resp: 48958

Ion Ratio Lower Upper

96 100

61 138.2 114.6 172.0

98 63.5 51.3 76.9



#20

Diisopropyl ether

Concen: 19.89 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Tgt Ion: 45 Resp: 176423

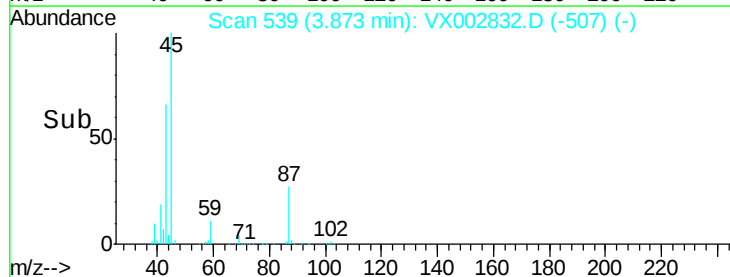
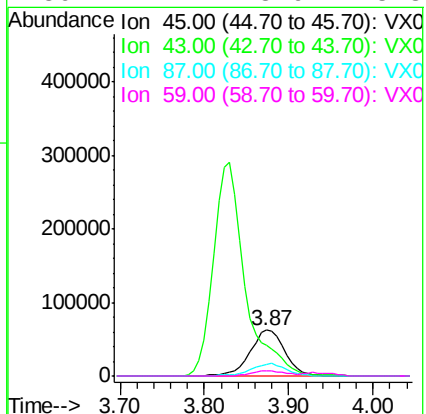
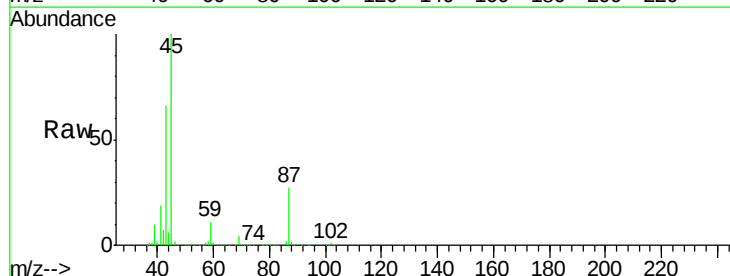
Ion Ratio Lower Upper

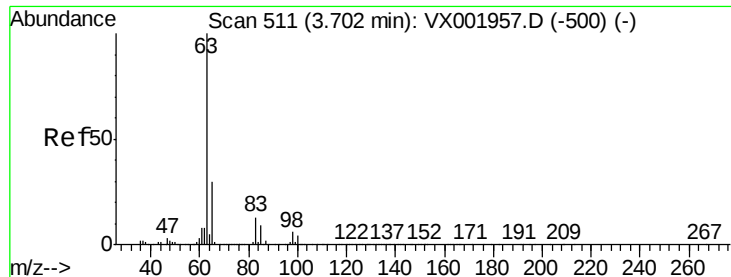
45 100

43 64.5 45.6 68.4

87 26.6 20.7 31.1

59 11.1 8.9 13.3





#21

1,1-Dichloroethane

Concen: 20.83 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

ClientSampled :

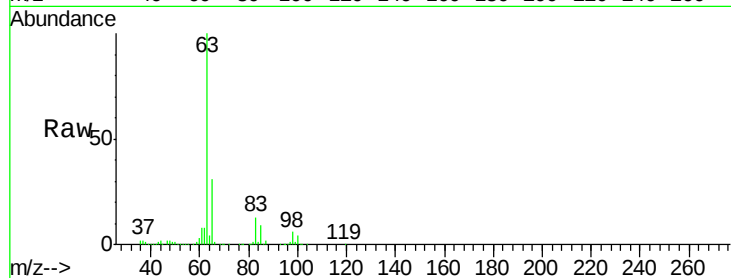
Tot Ion: 63 Resp: 99350

Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.3

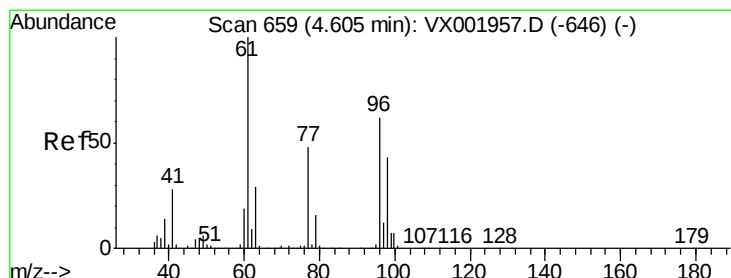
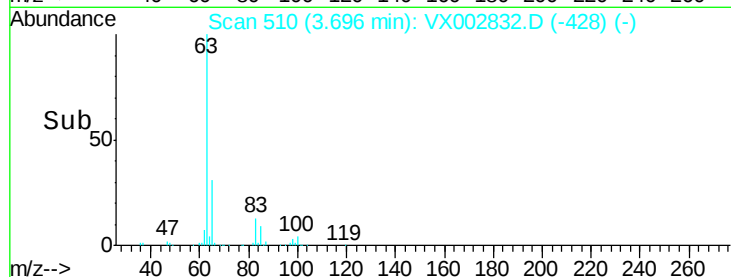
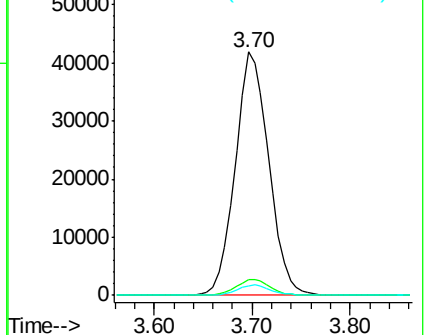
100 4.1 2.2 6.6



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 20.17 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

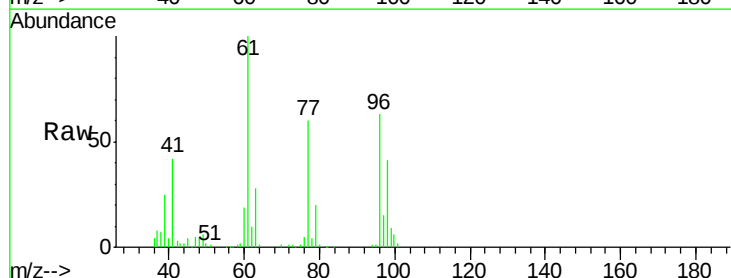
Tgt Ion: 96 Resp: 55633

Ion Ratio Lower Upper

96 100

61 185.7 160.2 240.2

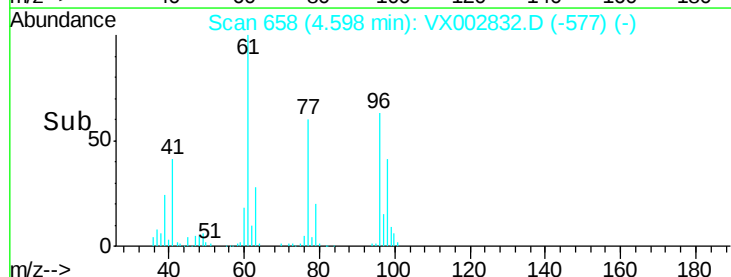
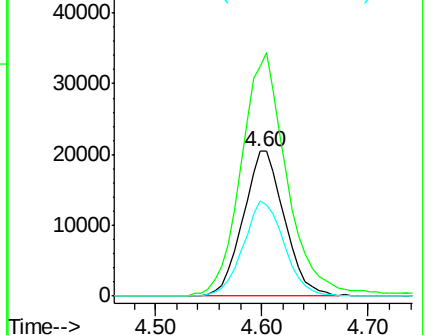
98 65.1 54.1 81.1

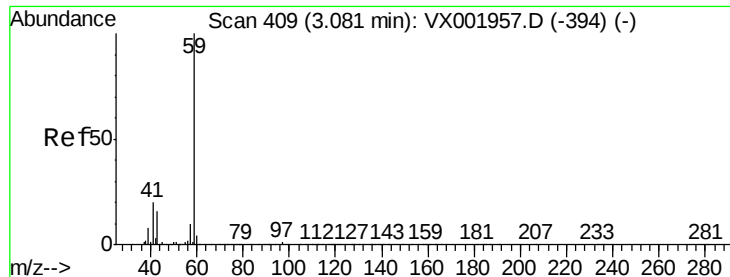


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



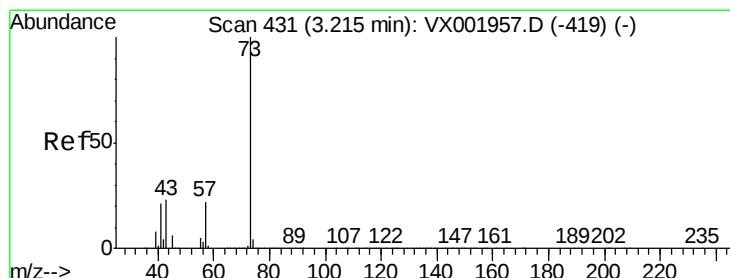
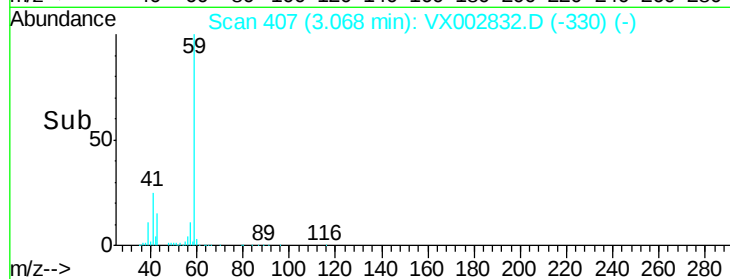
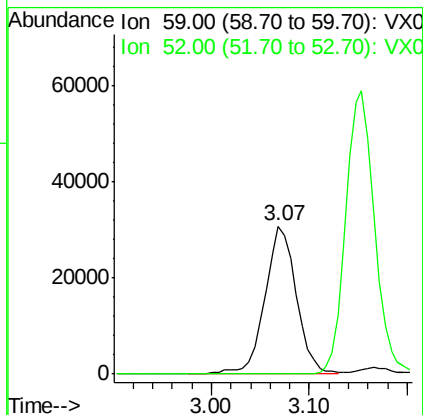
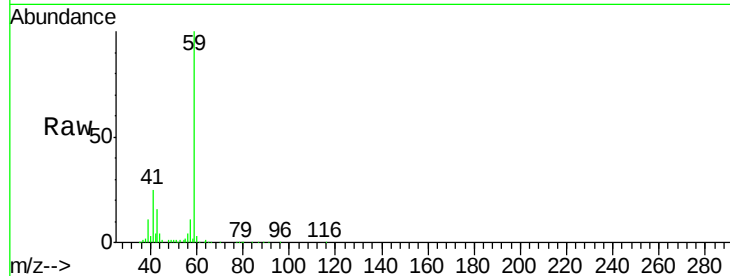


#23

tert-Butyl Alcohol
 Concen: 104.09 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.03 min
 Lab File: VX002832.D
 Acq: 22 Jun 2018 13:48

Instrument :
 MSVOA_X
 ClientSampleId :

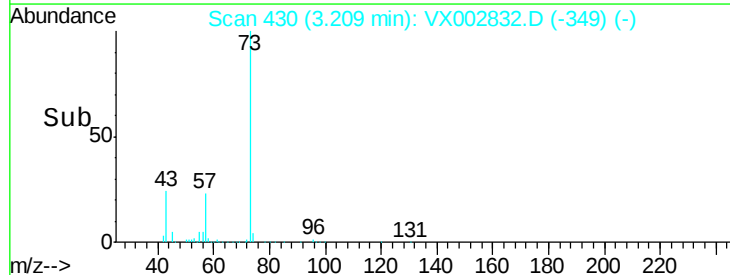
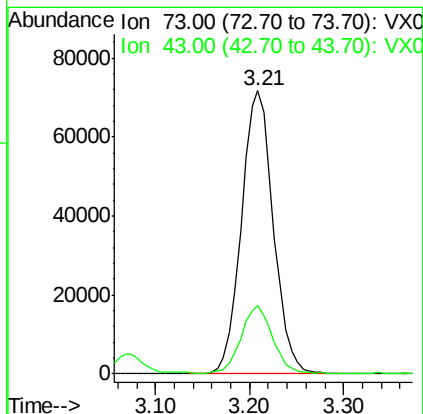
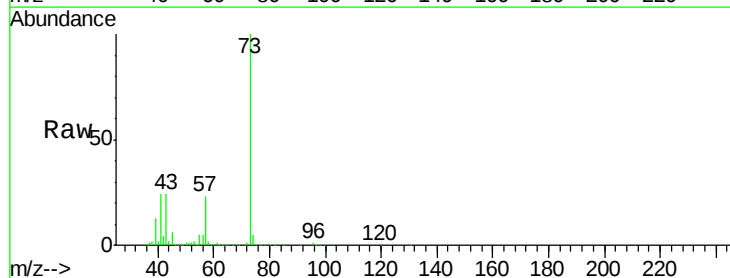
Tot Ion: 59 Resp: 69015
 Ion Ratio Lower Upper
 59 100
 52 0.4 0.2 0.2#

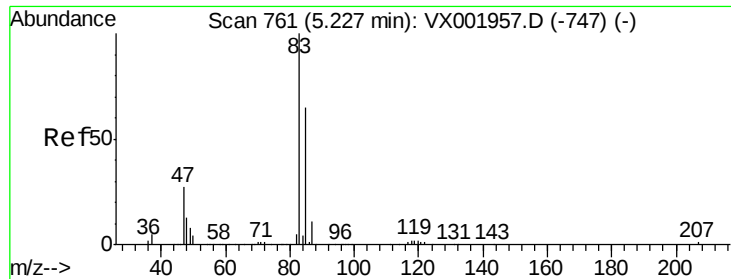


#24

Methyl tert-Butyl Ether
 Concen: 19.00 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VX002832.D
 Acq: 22 Jun 2018 13:48

Tgt Ion: 73 Resp: 169770
 Ion Ratio Lower Upper
 73 100
 43 23.4 19.0 28.4





#25

Chloroform

Concen: 20.45 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

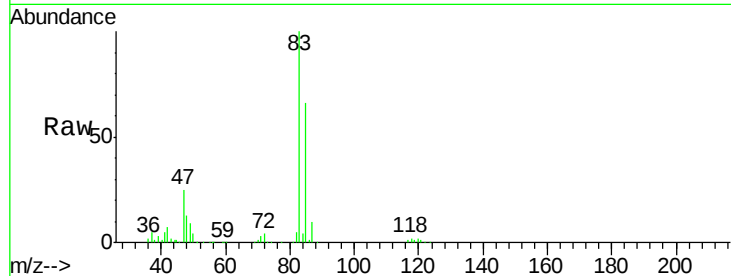
ClientSampleId :

Tot Ion: 83 Resp: 97893

Ion Ratio Lower Upper

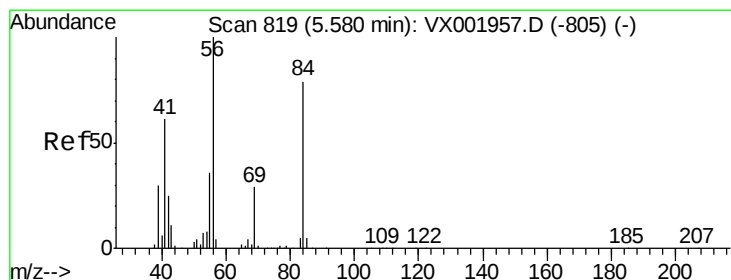
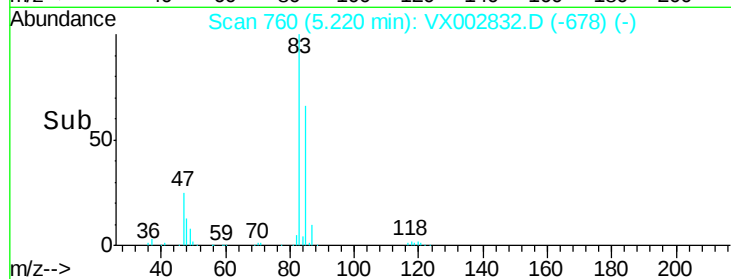
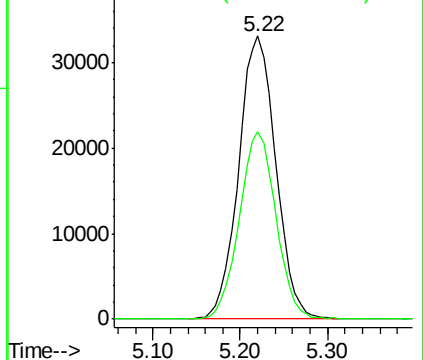
83 100

85 66.1 51.9 77.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 19.34 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

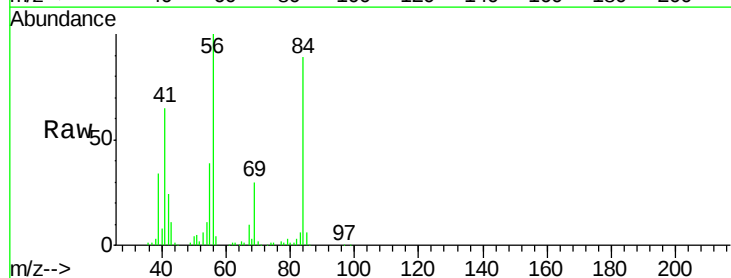
Tgt Ion: 56 Resp: 78393

Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

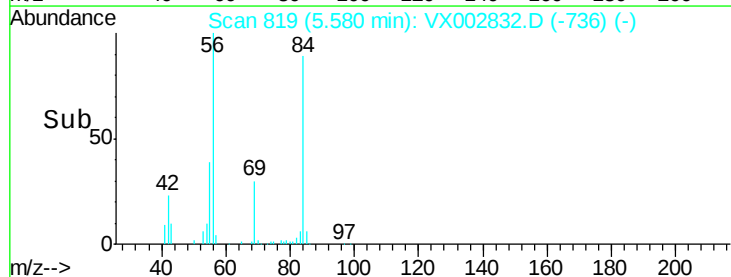
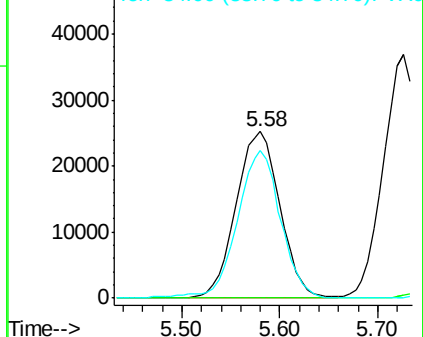
84 84.9 64.9 97.3

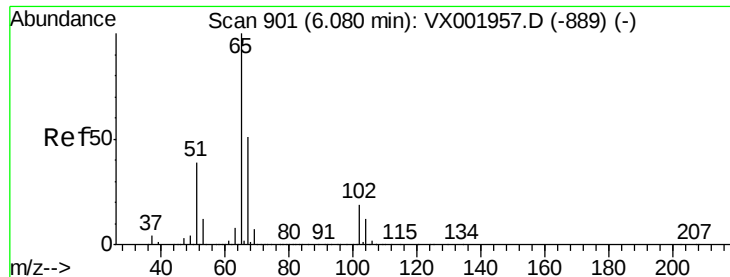


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 30.51 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

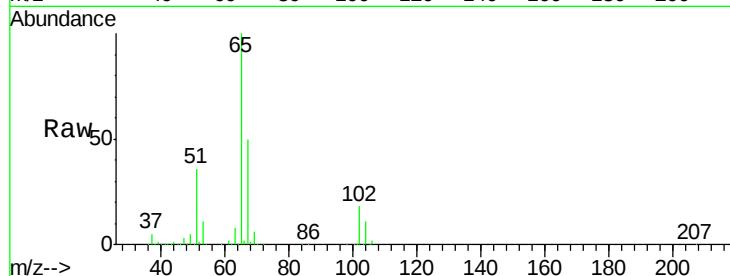
ClientSampled :

Tot Ion: 65 Resp: 107831

Ion Ratio Lower Upper

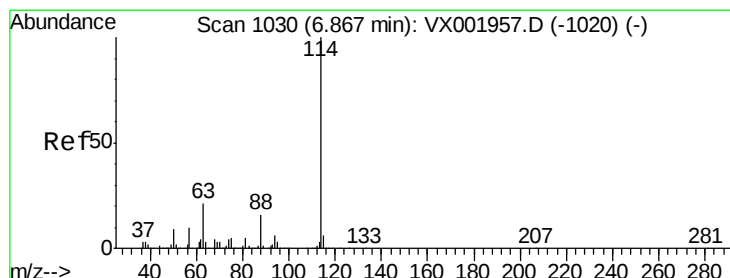
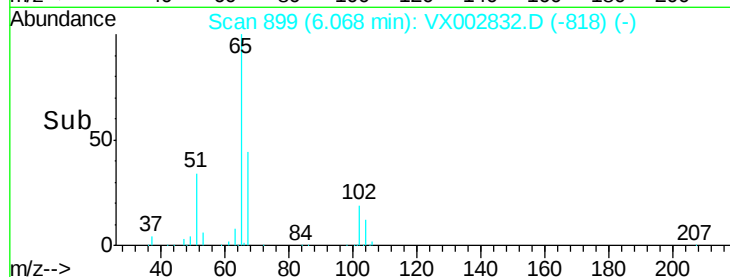
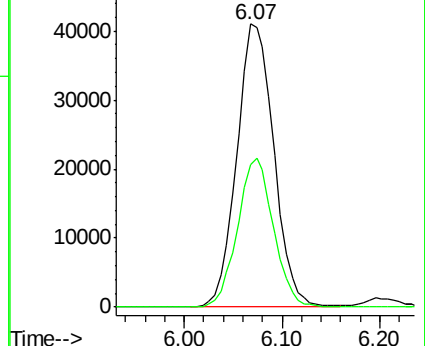
65 100

67 51.0 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

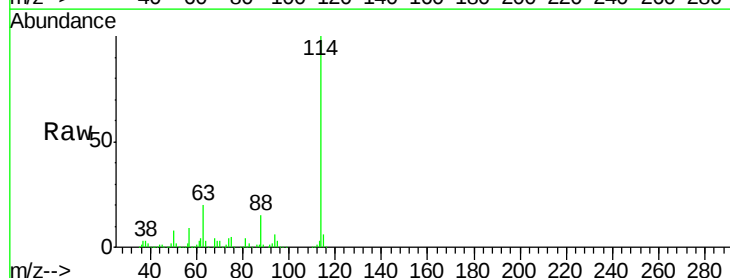
Tgt Ion: 114 Resp: 248365

Ion Ratio Lower Upper

114 100

63 20.5 17.1 25.7

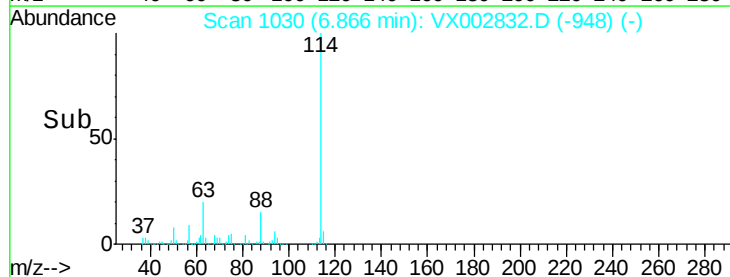
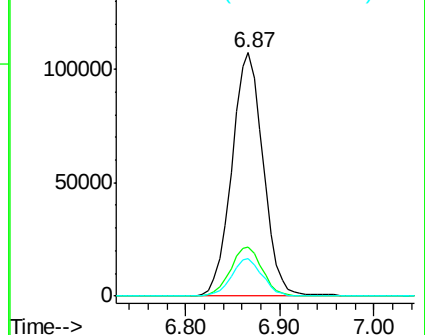
88 15.1 12.6 19.0

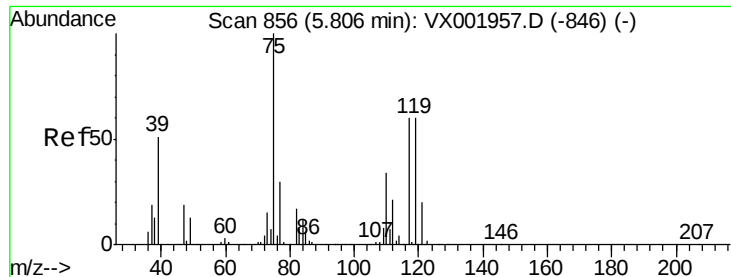


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 20.70 ug/l

RT: 5.81 min Scan# 856

Delta R.T. 0.01 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :
MSVOA_X
ClientSampleId :

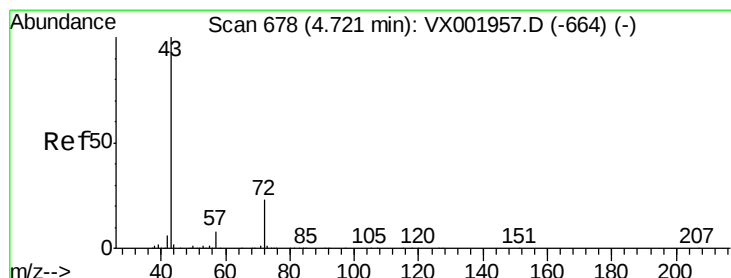
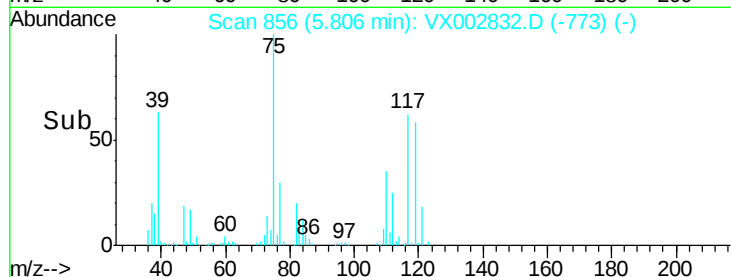
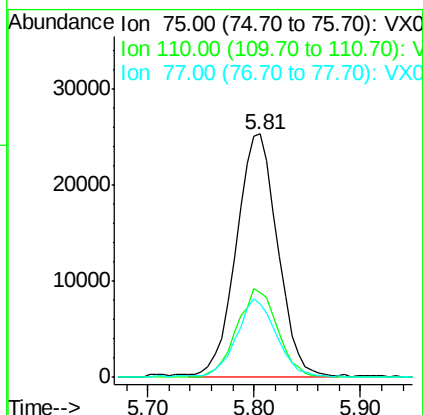
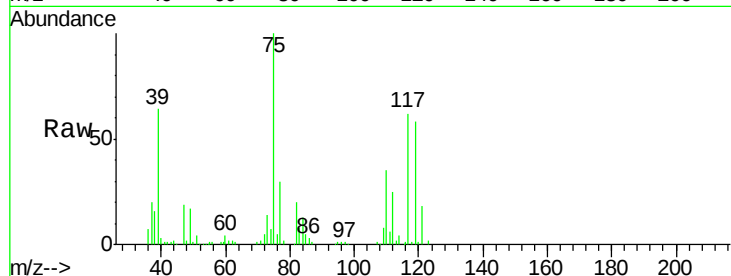
Tot Ion: 75 Resp: 69424

Ion Ratio Lower Upper

75 100

110 35.7 0.0 71.4

77 31.0 0.0 60.6



#30

2-Butanone

Concen: 108.68 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

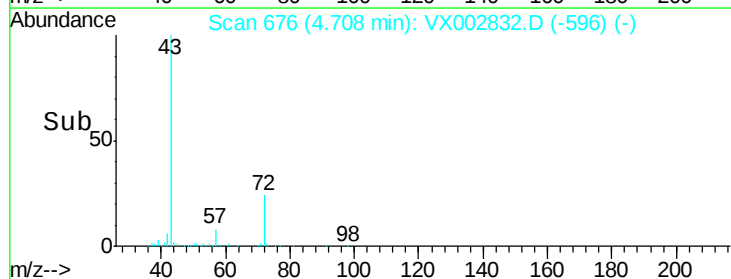
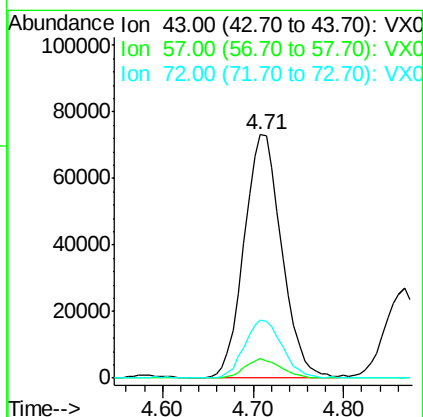
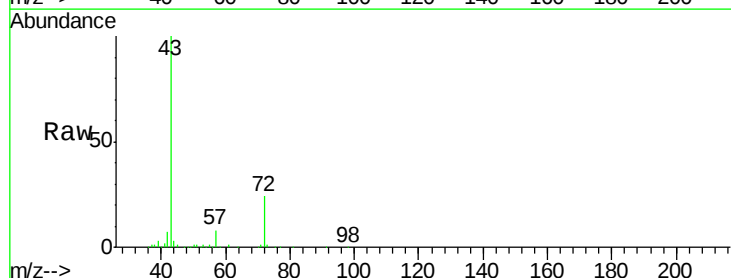
Tgt Ion: 43 Resp: 208588

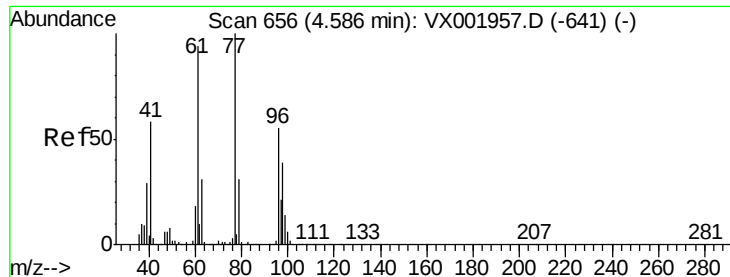
Ion Ratio Lower Upper

43 100

57 7.7 6.1 9.1

72 24.0 18.1 27.1





#31

2,2-Dichloropropane

Concen: 20.25 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

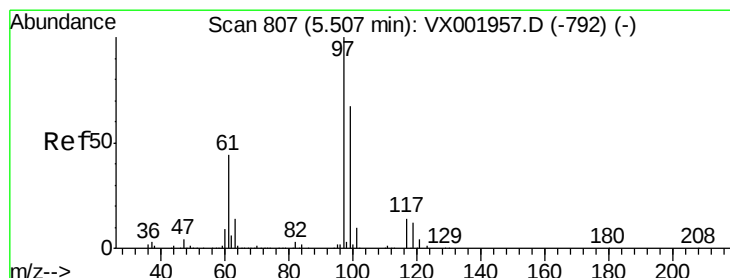
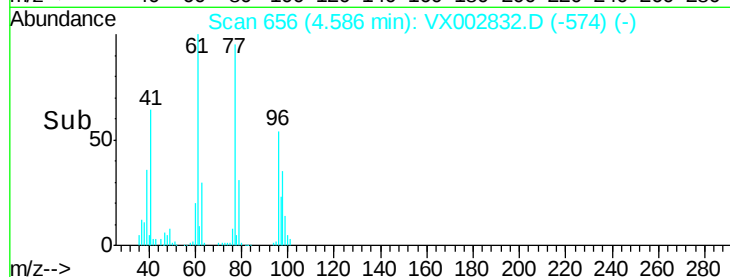
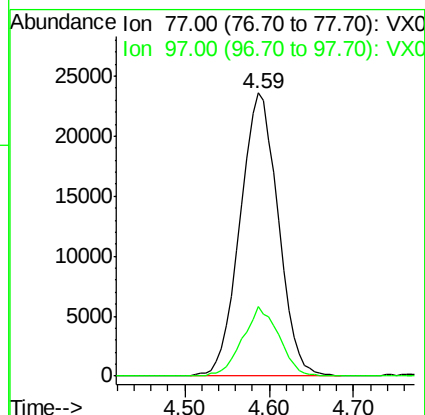
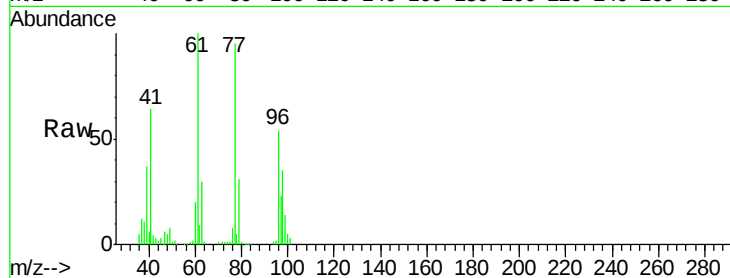
ClientSampled :

Tot Ion: 77 Resp: 72596

Ion Ratio Lower Upper

77 100

97 23.4 18.7 28.1



#32

1,1,1-Trichloroethane

Concen: 20.58 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

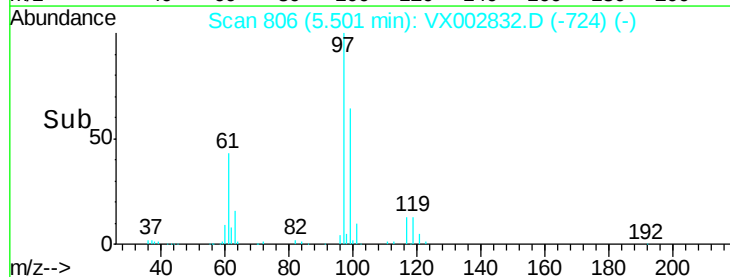
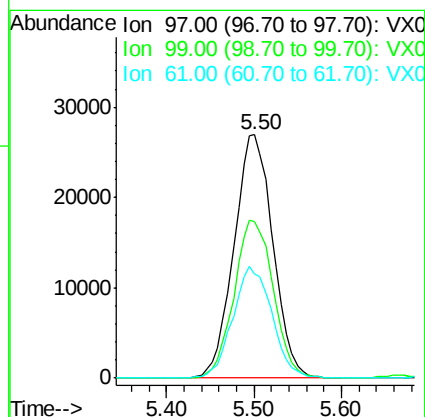
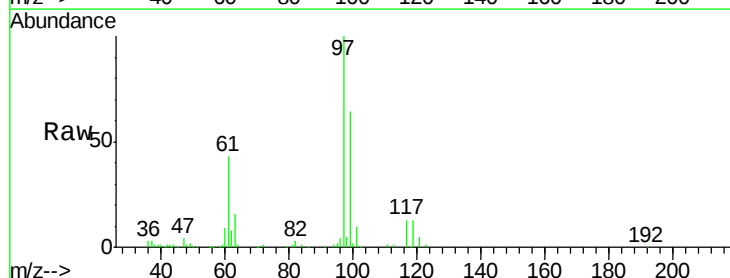
Tgt Ion: 97 Resp: 83378

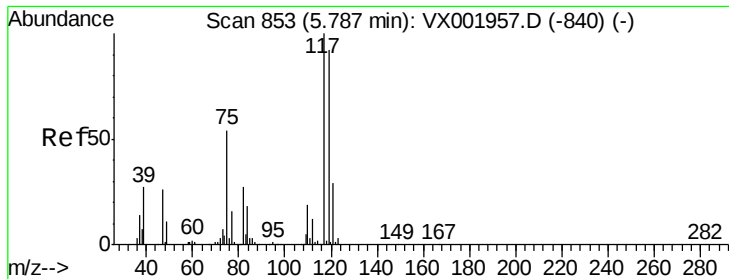
Ion Ratio Lower Upper

97 100

99 65.5 51.7 77.5

61 46.2 36.4 54.6





#33

Carbon Tetrachloride

Concen: 20.70 ug/l

RT: 5.78 min Scan# 852

Delta R.T. -0.01 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

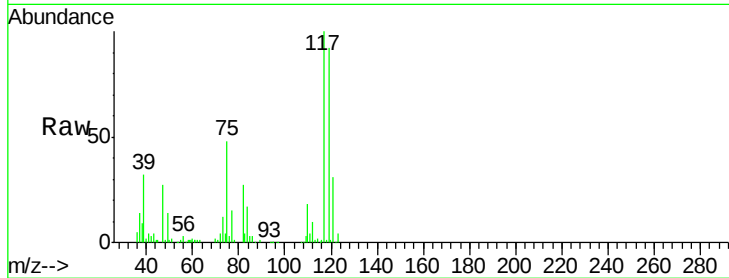
Tot Ion:117 Resp: 75371

Ion Ratio Lower Upper

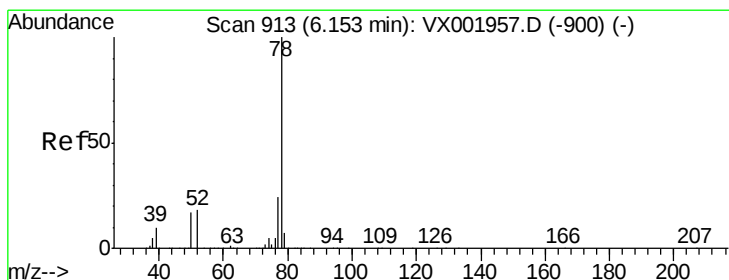
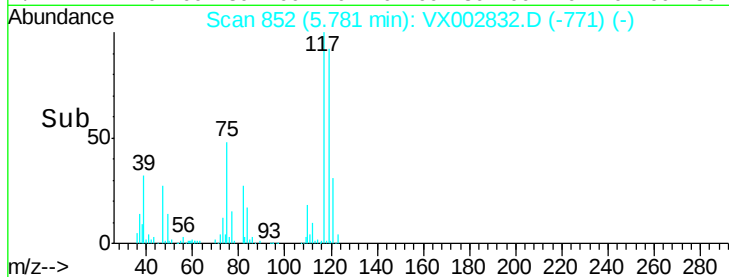
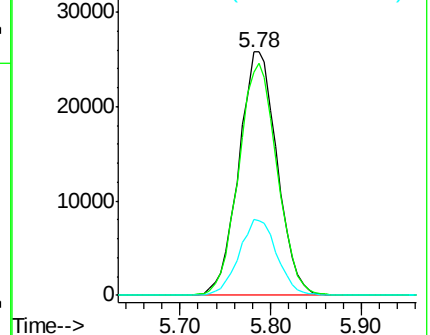
117 100

119 91.6 73.3 109.9

121 31.0 23.6 35.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.96 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

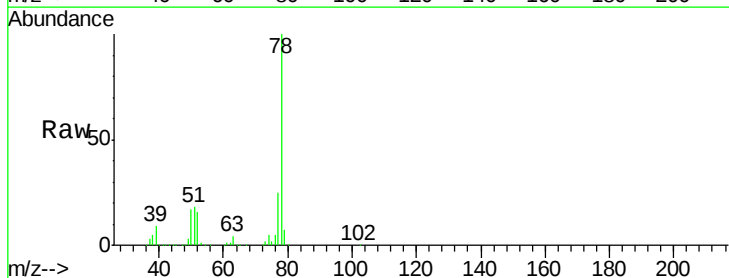
Tgt Ion: 78 Resp: 208227

Ion Ratio Lower Upper

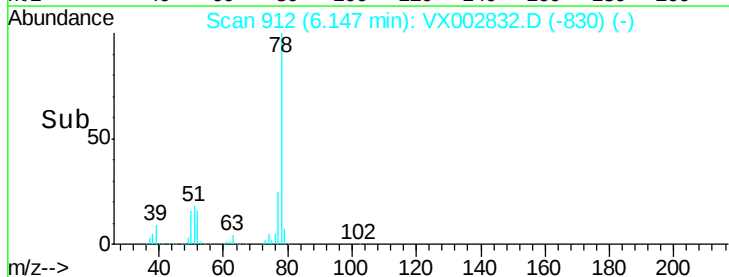
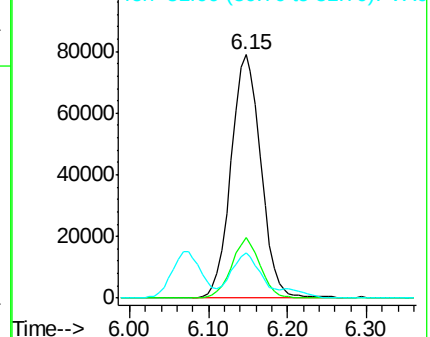
78 100

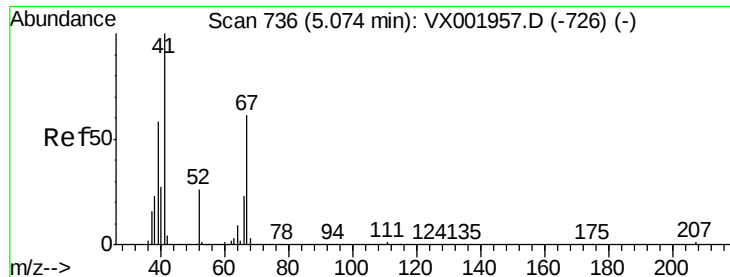
77 24.9 19.4 29.0

51 18.3 13.8 20.6



Abundance Ion 78.10 (77.80 to 78.80): VX0
Ion 77.00 (76.70 to 77.70): VX0
Ion 51.00 (50.70 to 51.70): VX0

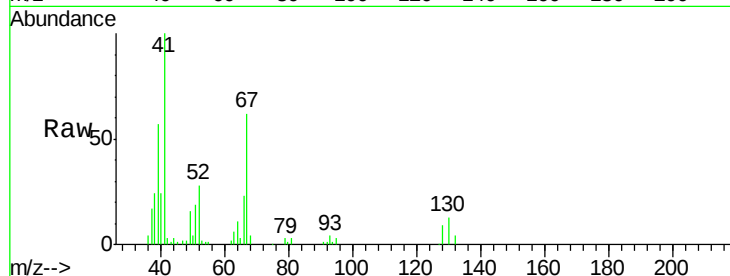




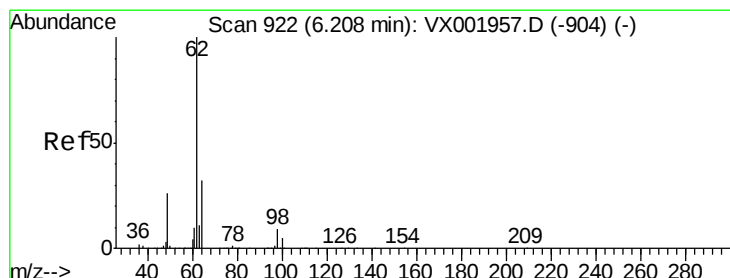
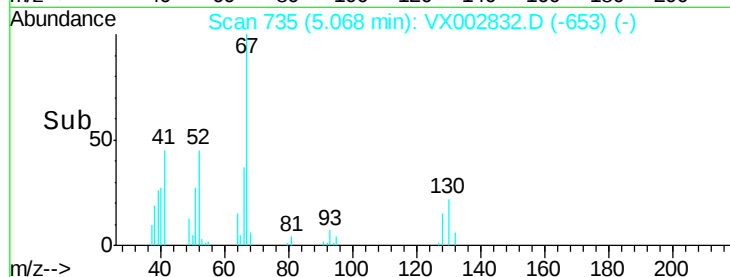
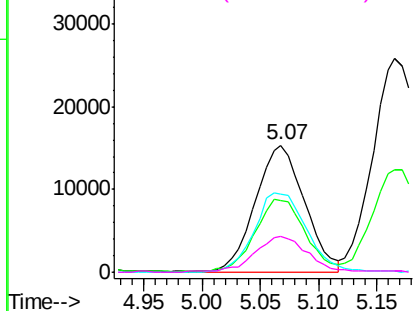
#35
Methacrylonitrile
Concen: 21.41 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002832.D
Acq: 22 Jun 2018 13:48

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	41	Resp:	44743
Ion	Ratio	Lower	Upper
41	100		
39	56.5	28.8	86.5
67	62.0	30.4	91.2
52	27.1	13.0	39.0

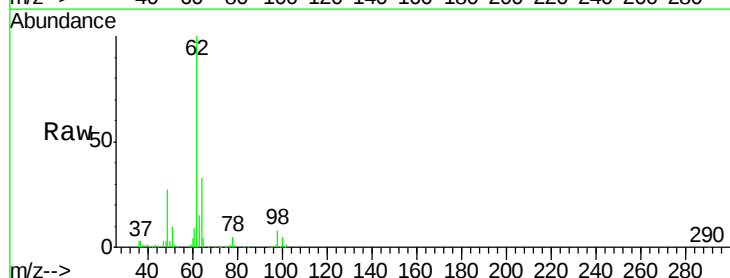


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

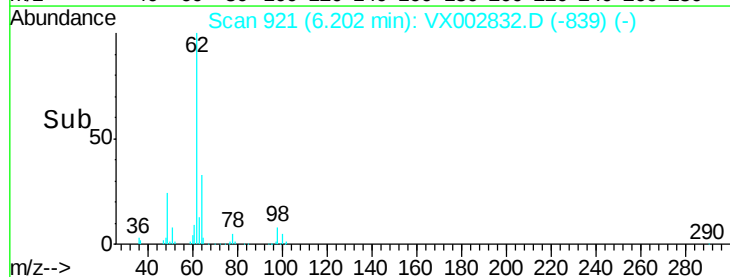
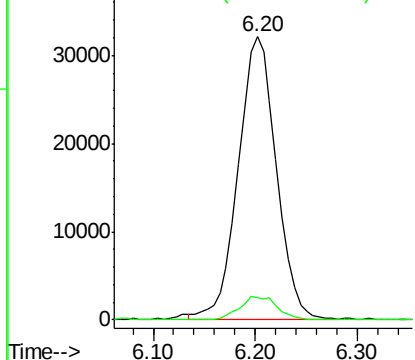


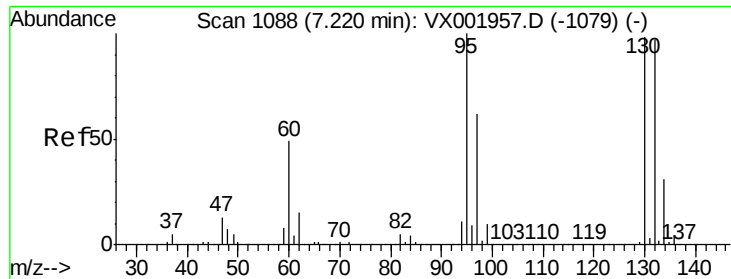
#36
1,2-Dichloroethane
Concen: 21.40 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002832.D
Acq: 22 Jun 2018 13:48

Tgt Ion:	62	Resp:	83468
Ion	Ratio	Lower	Upper
62	100		
98	5.5	6.5	9.7#



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

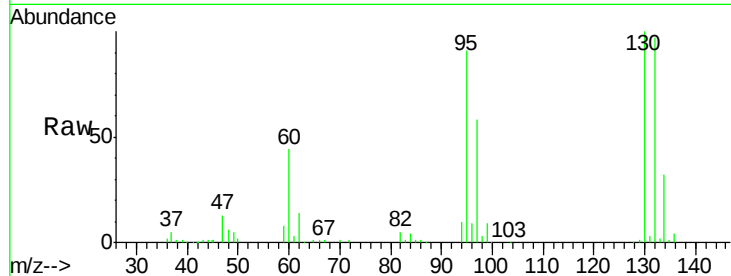




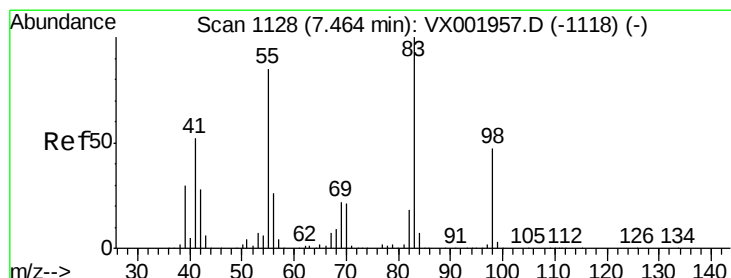
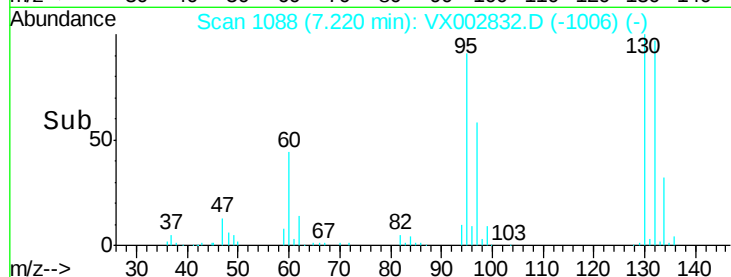
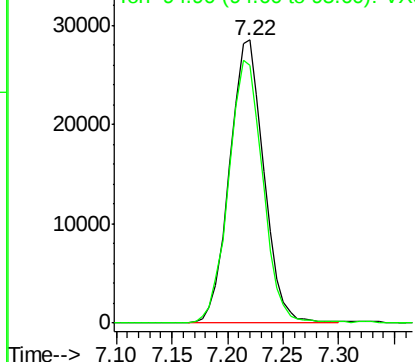
#37
 Trichloroethene
 Concen: 20.93 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX002832.D
 Acq: 22 Jun 2018 13:48

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:130 Resp: 60890
 Ion Ratio Lower Upper
 130 100
 95 91.0 81.5 122.3

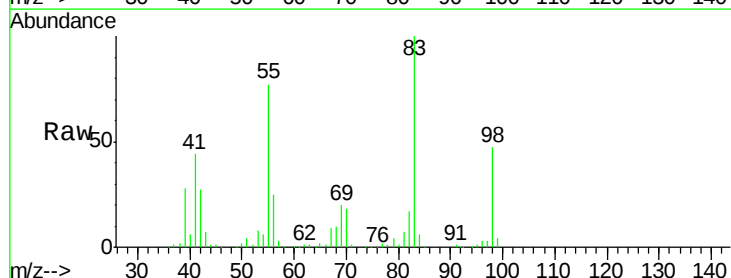


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

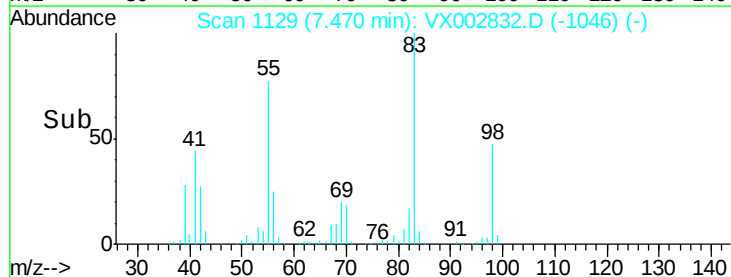
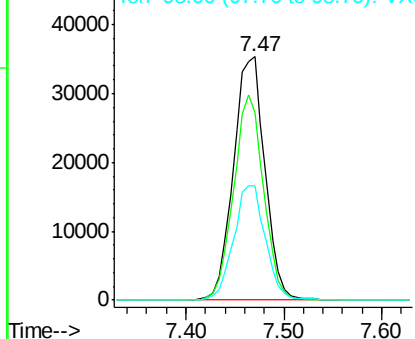


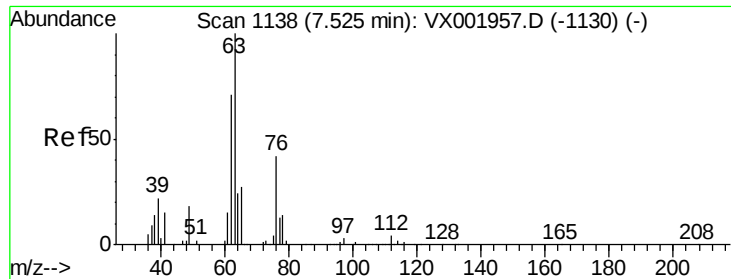
#38
 Methylcyclohexane
 Concen: 19.34 ug/l
 RT: 7.47 min Scan# 1129
 Delta R.T. 0.01 min
 Lab File: VX002832.D
 Acq: 22 Jun 2018 13:48

Tgt Ion: 83 Resp: 78902
 Ion Ratio Lower Upper
 83 100
 55 80.3 40.6 121.8
 98 47.1 23.5 70.5



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0

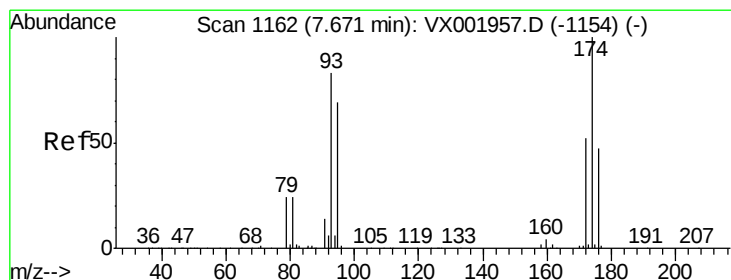
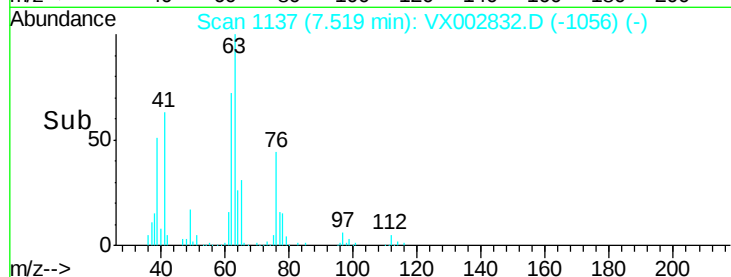
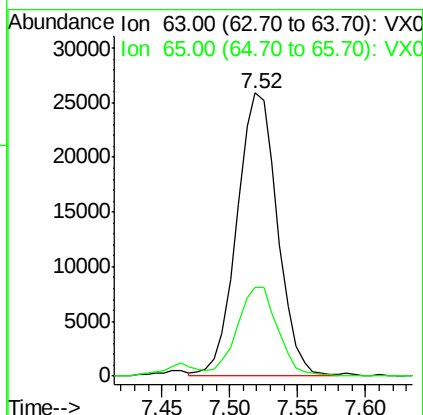
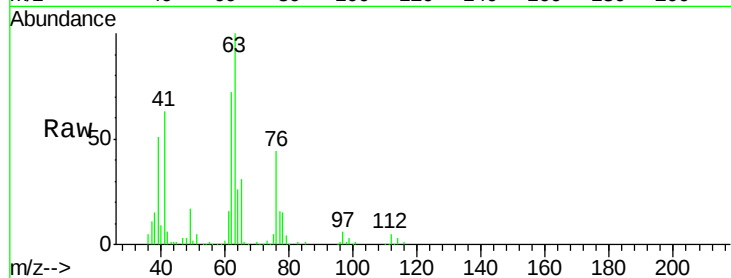




#39
 1,2-Dichloropropane
 Concen: 20.87 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX002832.D
 Acq: 22 Jun 2018 13:48

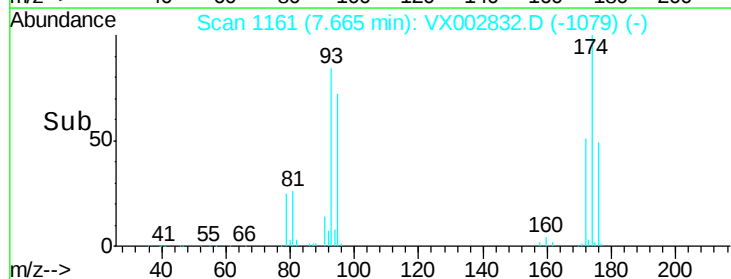
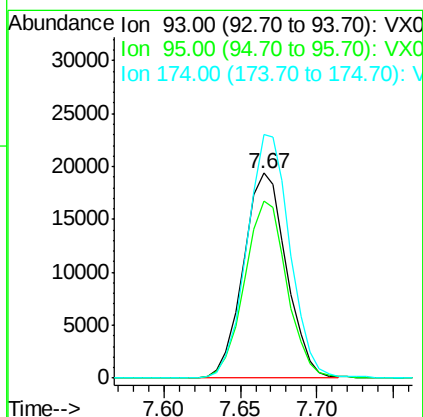
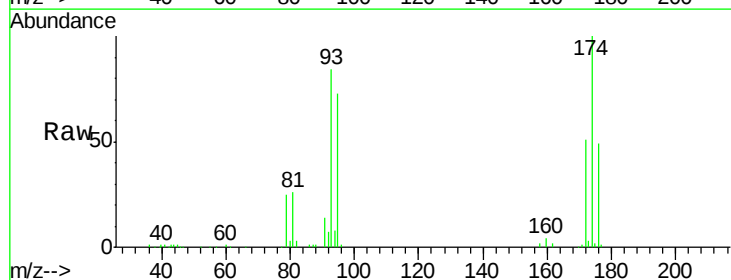
Instrument :
 MSVOA_X
 ClientSampleId :

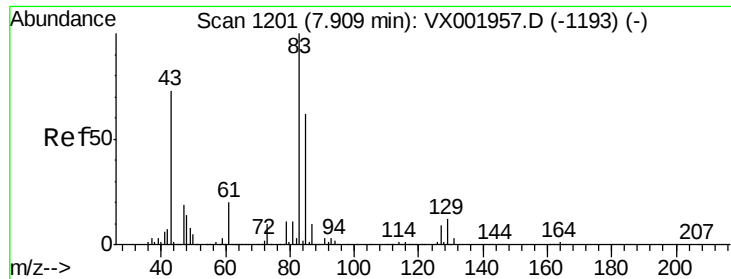
Tot Ion: 63 Resp: 54068
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.3 34.9



#40
 Dibromomethane
 Concen: 21.08 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002832.D
 Acq: 22 Jun 2018 13:48

Tgt Ion: 93 Resp: 37954
 Ion Ratio Lower Upper
 93 100
 95 84.8 0.0 162.6
 174 118.6 0.0 229.4





#41

Bromodichloromethane

Concen: 20.36 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

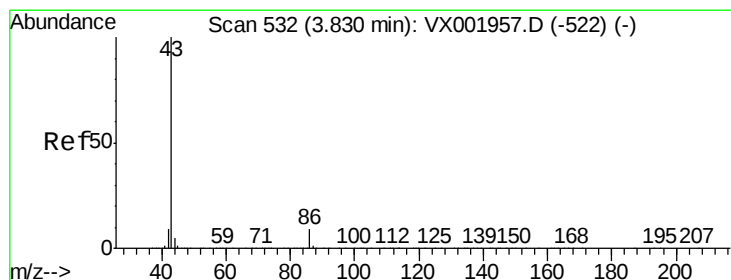
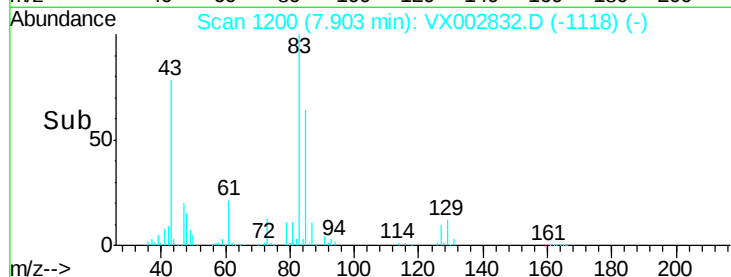
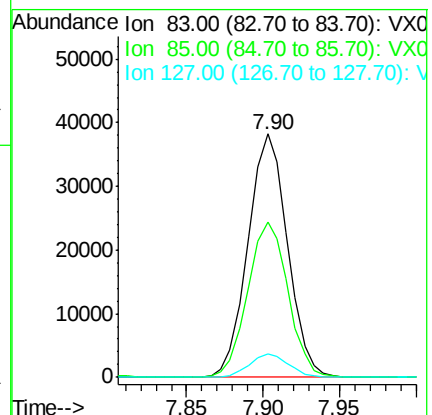
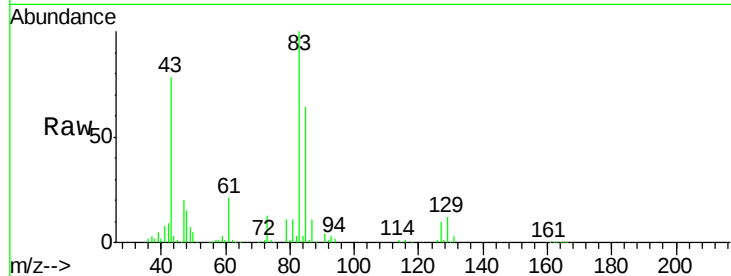
Tot Ion: 83 Resp: 68851

Ion Ratio Lower Upper

83 100

85 64.0 49.8 74.8

127 9.9 7.3 10.9



#42

Vinyl Acetate

Concen: 104.50 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002832.D

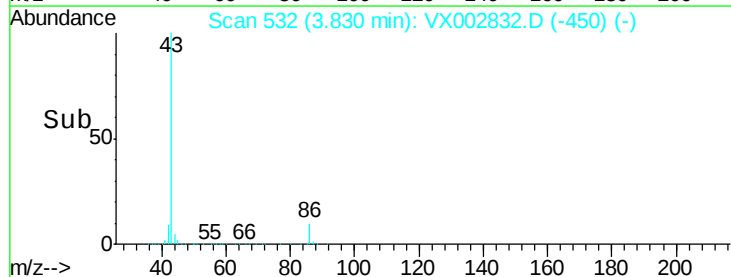
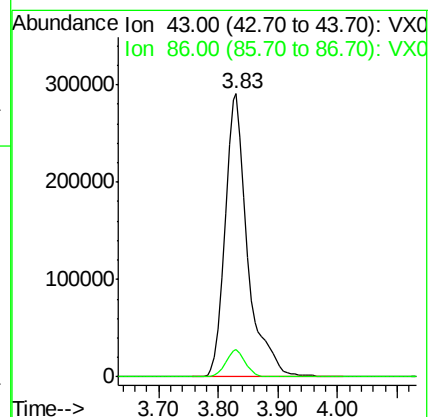
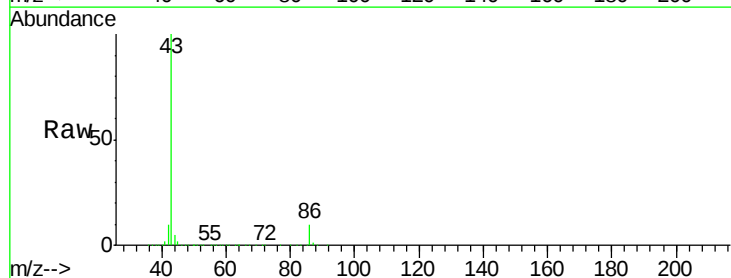
Acq: 22 Jun 2018 13:48

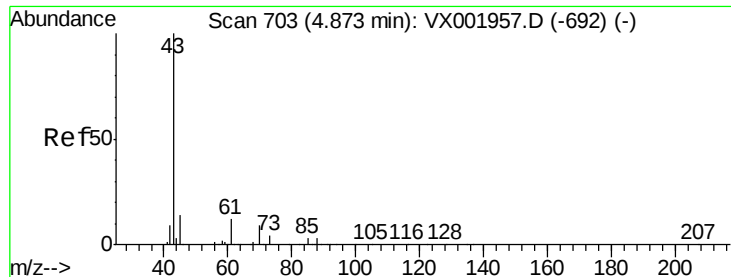
Tgt Ion: 43 Resp: 760628

Ion Ratio Lower Upper

43 100

86 8.3 6.7 10.1





#43

Ethyl Acetate

Concen: 21.73 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.01 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

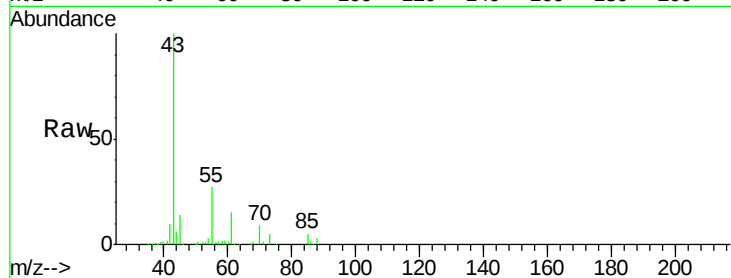
ClientSampleId :

Tot Ion: 43 Resp: 79768

Ion Ratio Lower Upper

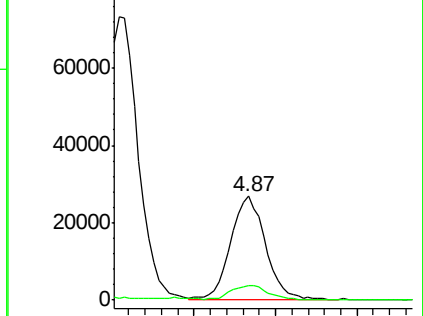
43 100

45 14.0 11.0 16.4

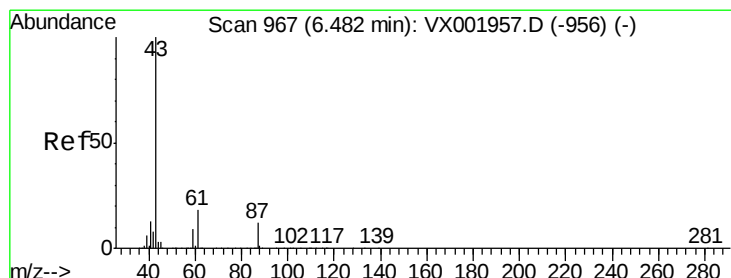
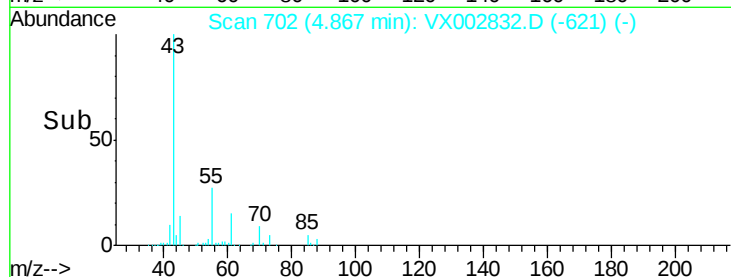


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



Time-->



#44

Isopropyl Acetate

Concen: 20.35 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002832.D

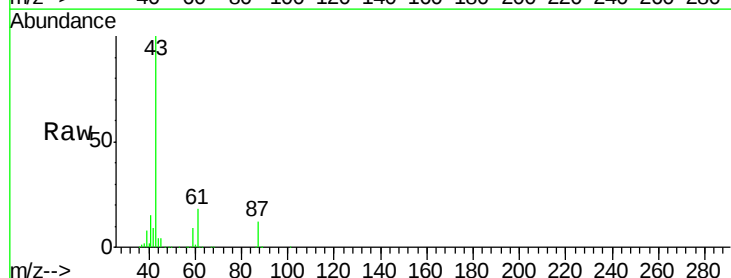
Acq: 22 Jun 2018 13:48

Tgt Ion: 43 Resp: 125156

Ion Ratio Lower Upper

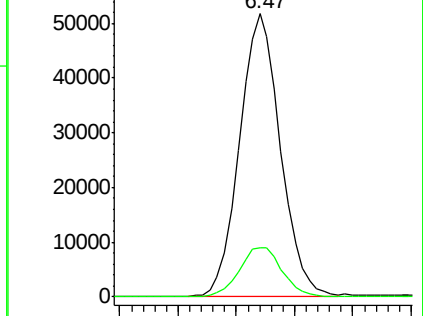
43 100

61 18.5 14.5 21.7

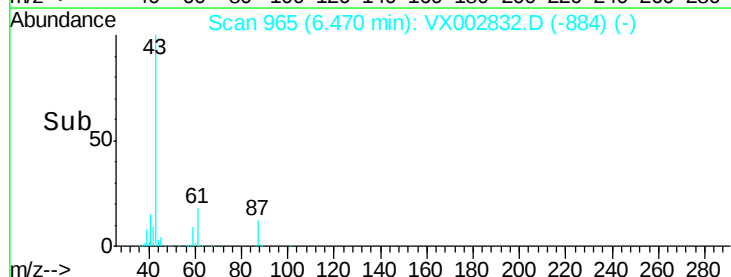


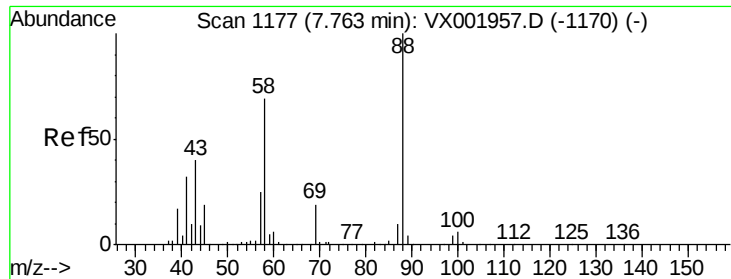
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->

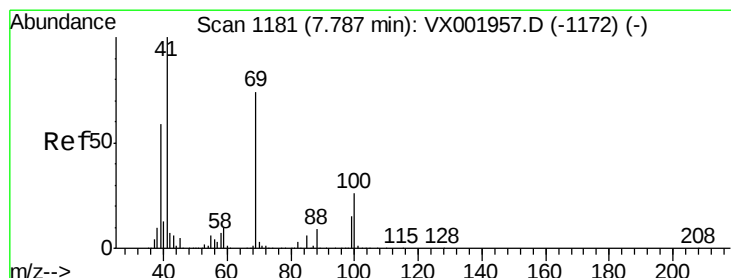
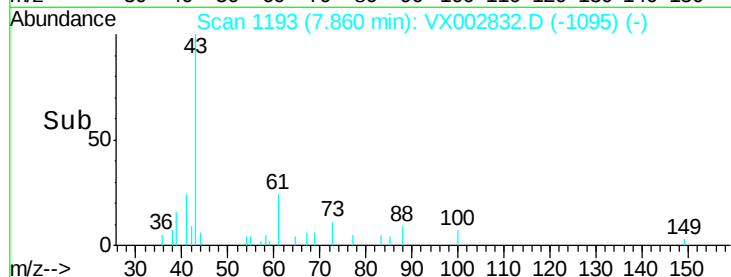
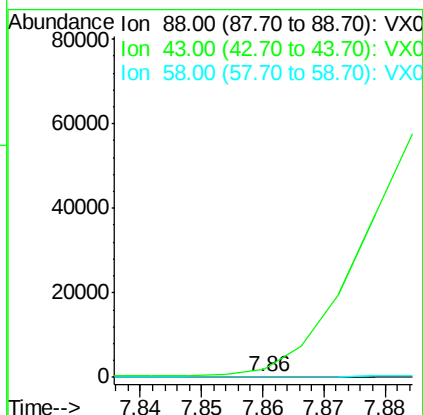
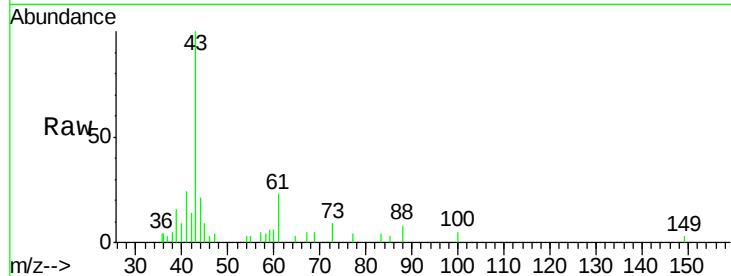




#45
 1,4-Dioxane
 Concen: 2.26 ug/l
 RT: 7.86 min Scan# 1193
 Delta R.T. 0.10 min
 Lab File: VX002832.D
 Acq: 22 Jun 2018 13:48

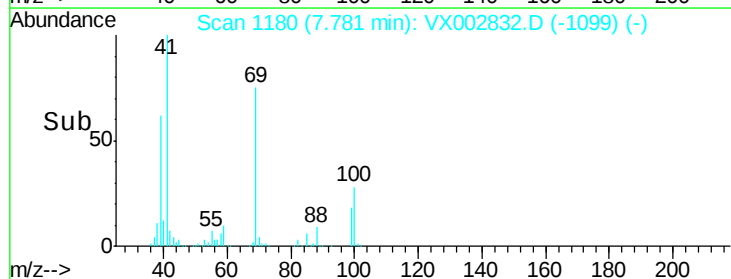
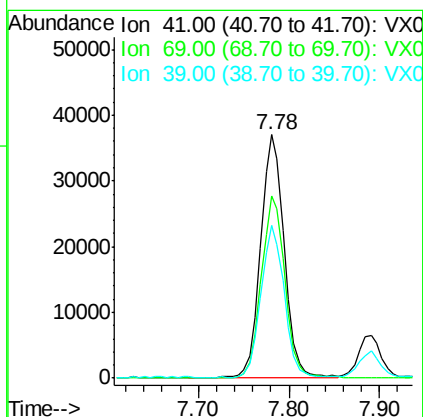
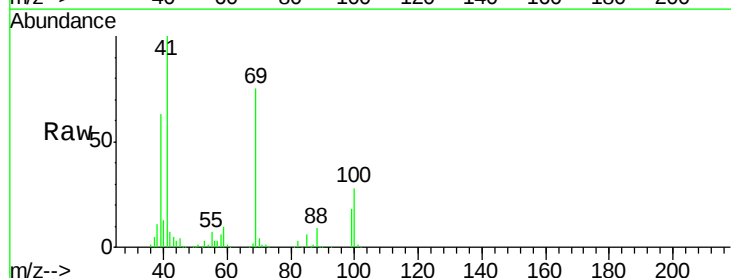
Instrument :
 MSVOA_X
 ClientSampleId :

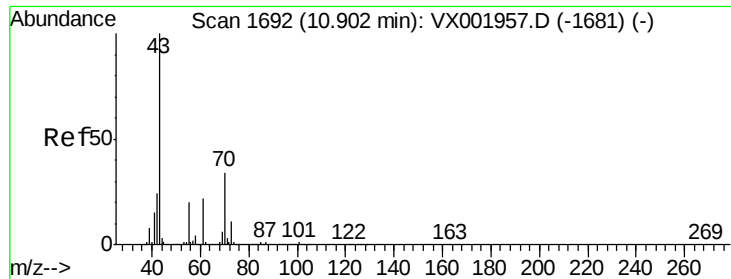
Tot Ion: 88 Resp: 136
 Ion Ratio Lower Upper
 88 100
 43 55.9 43.2 64.8
 58 64.7 60.2 90.2



#46
 Methyl methacrylate
 Concen: 20.95 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VX002832.D
 Acq: 22 Jun 2018 13:48

Tgt Ion: 41 Resp: 65845
 Ion Ratio Lower Upper
 41 100
 69 75.1 37.0 110.9
 39 62.3 29.6 88.9

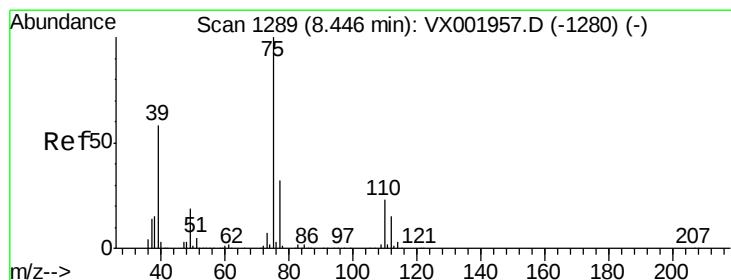
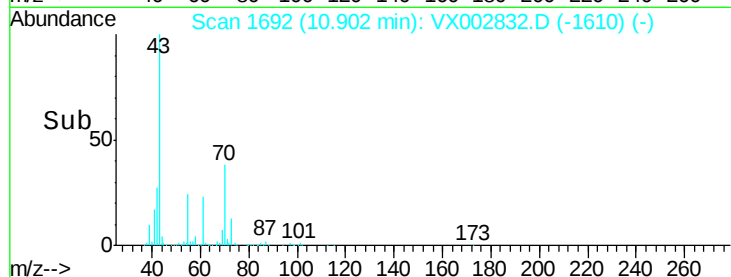
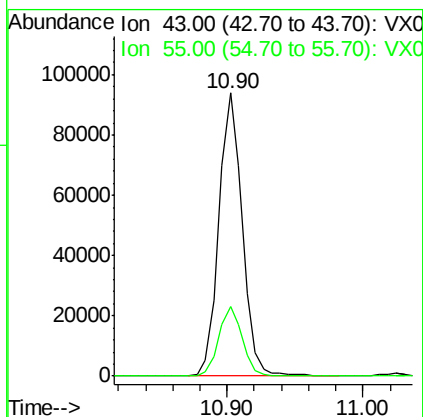
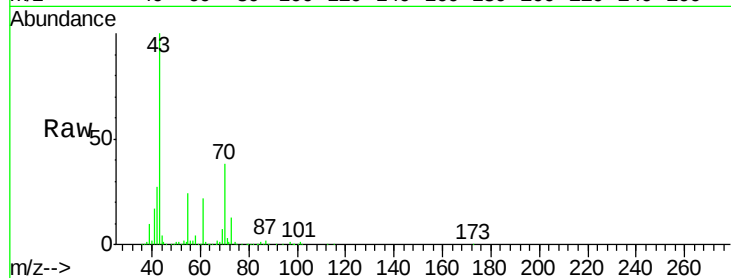




#47
n-amvl Acetate
Concen: 19.17 ug/l
RT: 10.90 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VX002832.D
Acq: 22 Jun 2018 13:48

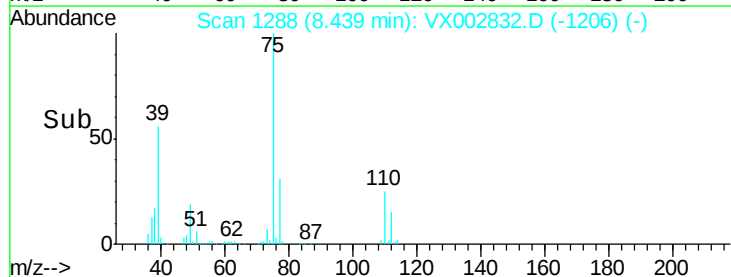
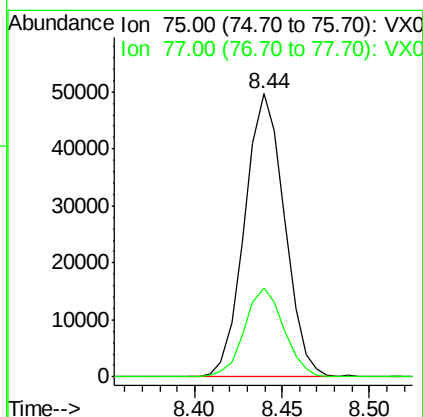
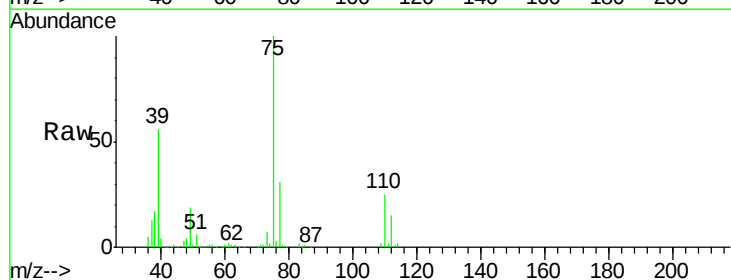
Instrument :
MSVOA_X
ClientSampleId :

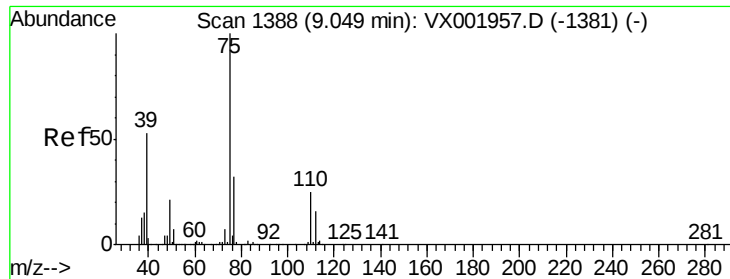
Tot Ion: 43 Resp: 111275
Ion Ratio Lower Upper
43 100
55 25.1 0.1 0.1#



#48
t-1,3-Dichloropropene
Concen: 19.88 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002832.D
Acq: 22 Jun 2018 13:48

Tgt Ion: 75 Resp: 78939
Ion Ratio Lower Upper
75 100
77 31.3 25.6 38.4



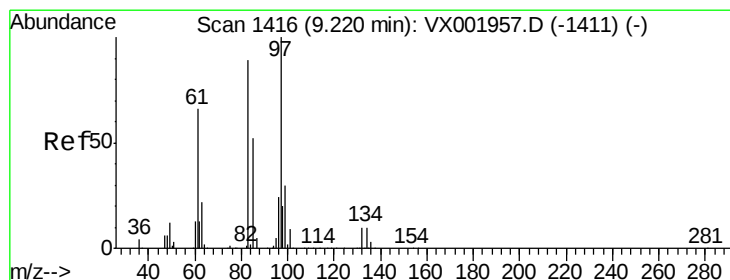
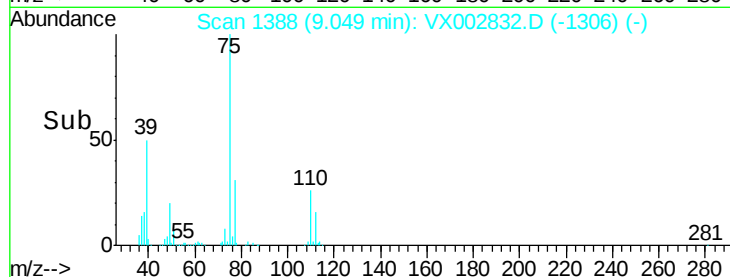
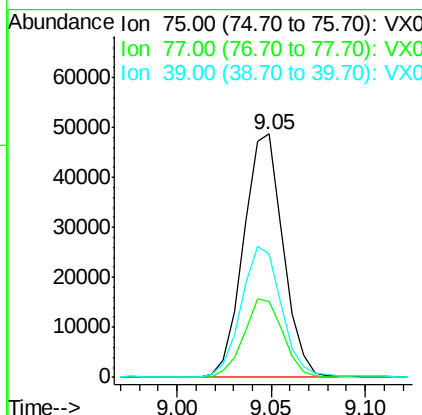
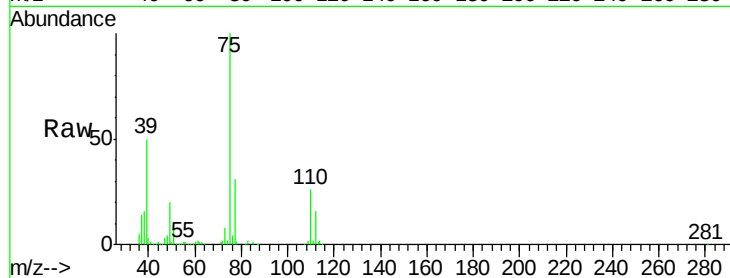


#49

cis-1,3-Dichloropropene
Concen: 19.11 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX002832.D
Acq: 22 Jun 2018 13:48

Instrument :
MSVOA_X
ClientSampleId :

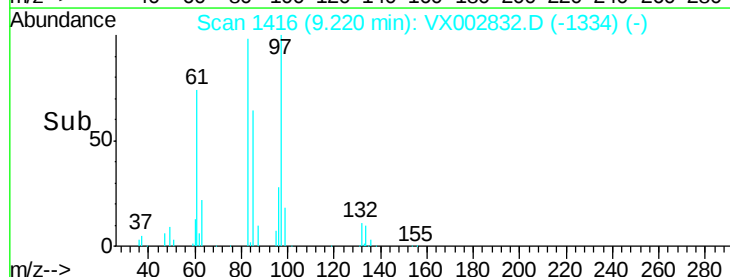
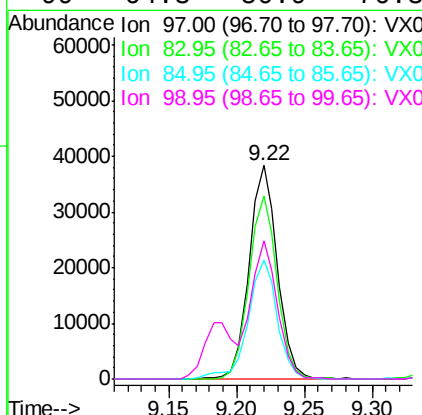
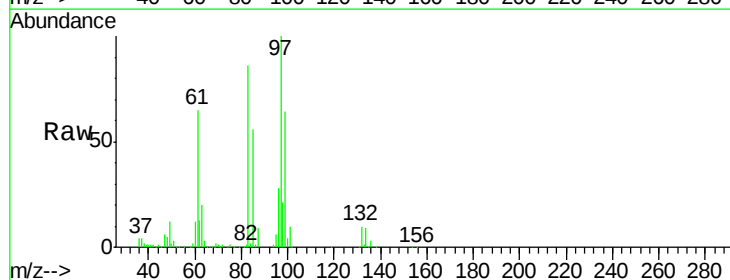
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2
39	50.2	42.3	63.5

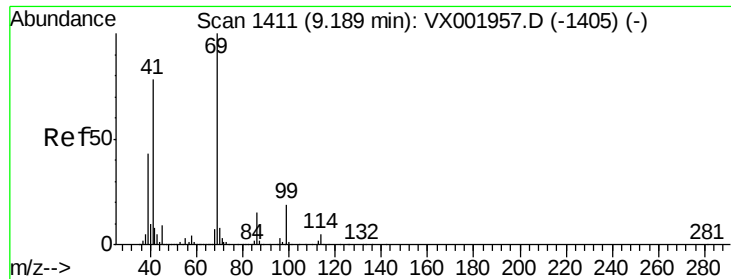


#50

1,1,2-Trichloroethane
Concen: 20.99 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VX002832.D
Acq: 22 Jun 2018 13:48

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.9	70.8	106.2
85	55.9	43.5	65.3
99	64.3	50.9	76.3





#51

Ethyl methacrylate

Concen: 19.85 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.01 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :
MSVOA_X
ClientSampleId :

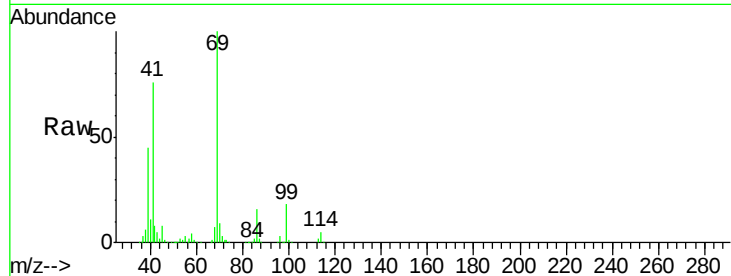
Tot Ion: 69 Resp: 79568

Ion Ratio Lower Upper

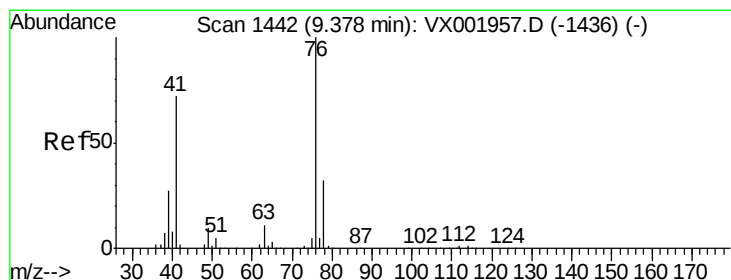
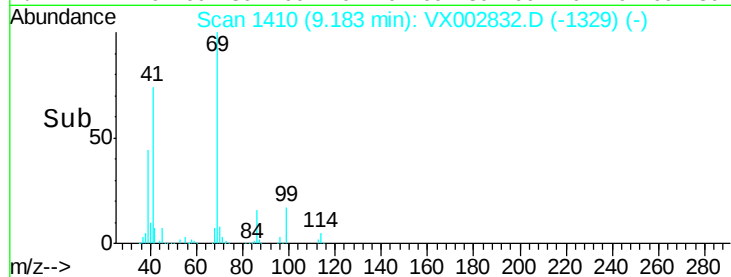
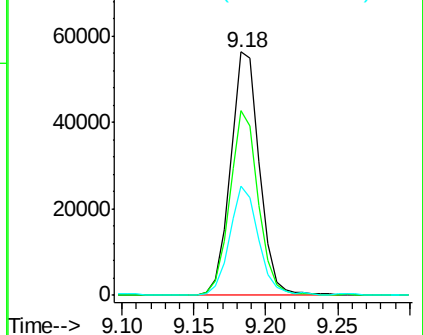
69 100

41 75.8 39.1 117.3

39 44.4 21.7 65.1



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



#52

1,3-Dichloropropane

Concen: 20.85 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002832.D

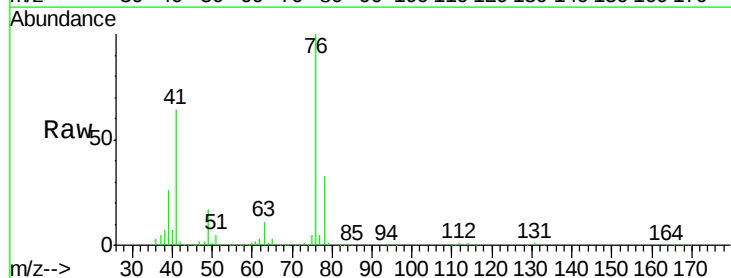
Acq: 22 Jun 2018 13:48

Tgt Ion: 76 Resp: 90414

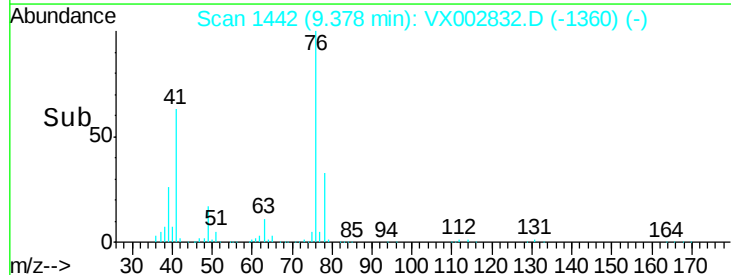
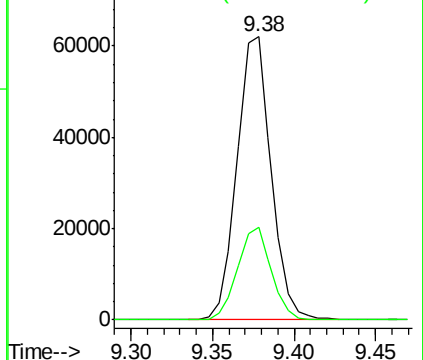
Ion Ratio Lower Upper

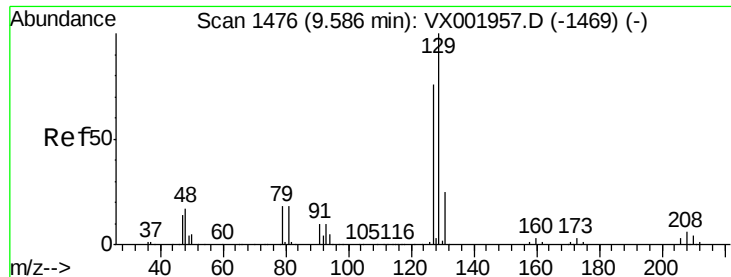
76 100

78 32.3 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 19.55 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

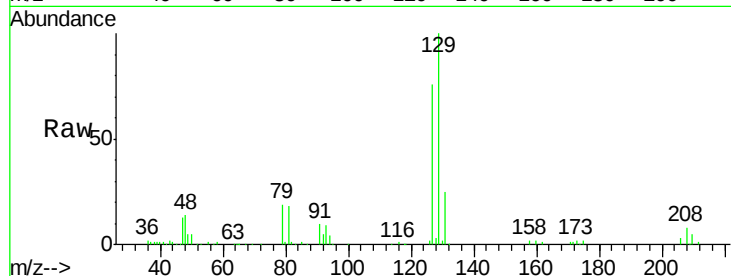
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:129 Resp: 55121

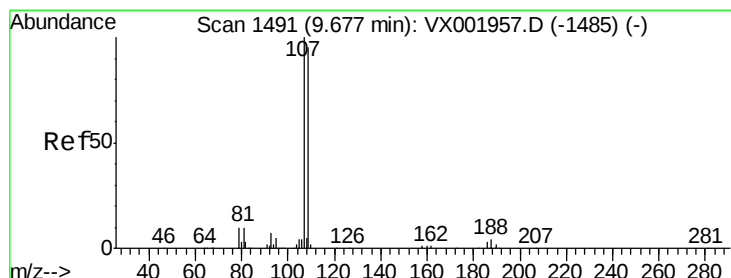
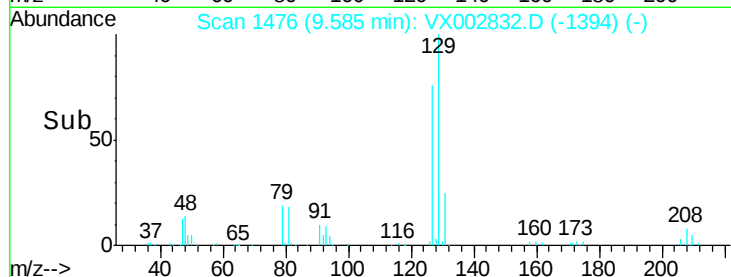
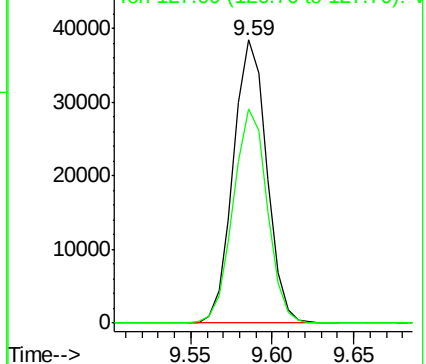
Ion Ratio Lower Upper

129 100

127 76.6 38.5 115.3



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.68 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002832.D

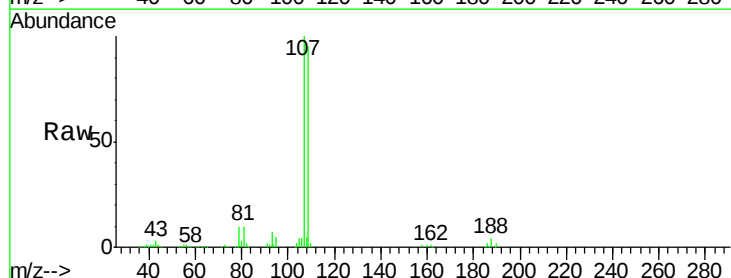
Acq: 22 Jun 2018 13:48

Tgt Ion:107 Resp: 57877

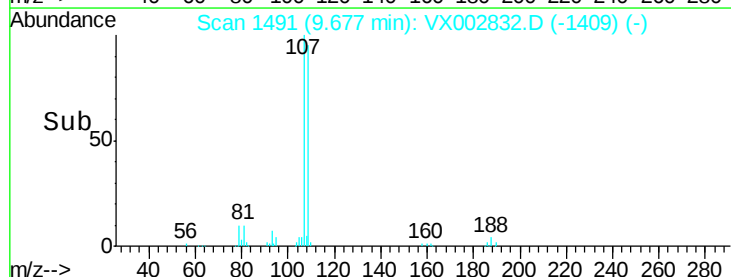
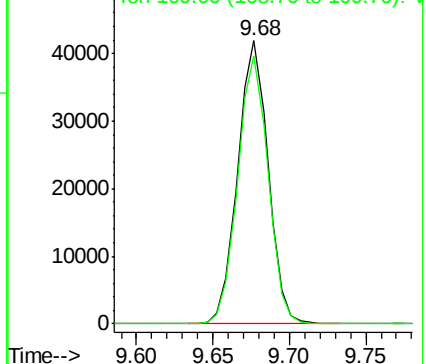
Ion Ratio Lower Upper

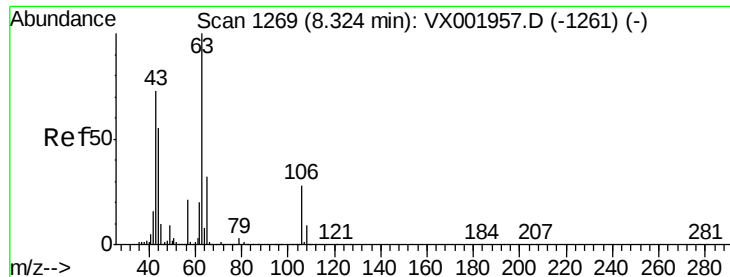
107 100

109 94.5 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 89.69 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

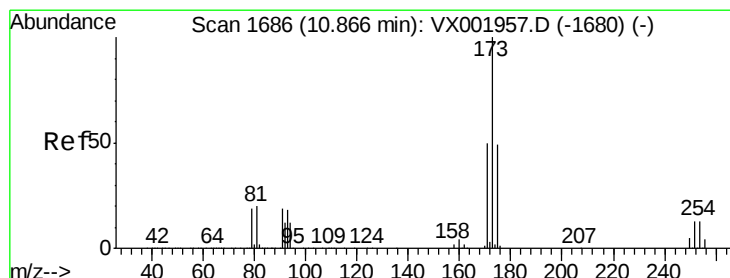
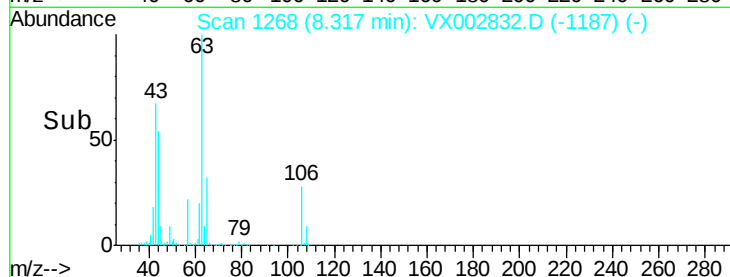
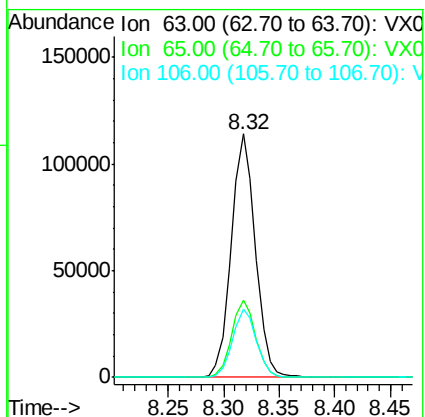
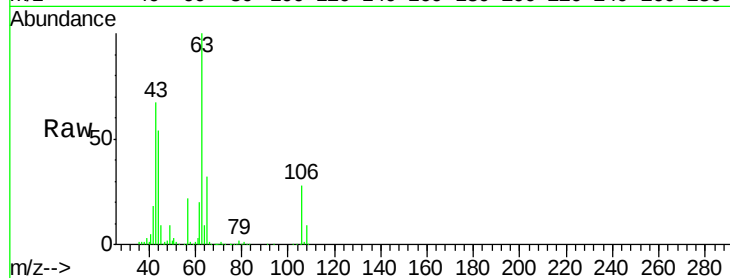
Tot Ion: 63 Resp: 170752

Ion Ratio Lower Upper

63 100

65 31.8 25.6 38.4

106 28.0 21.6 32.4



#56

Bromoform

Concen: 18.58 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

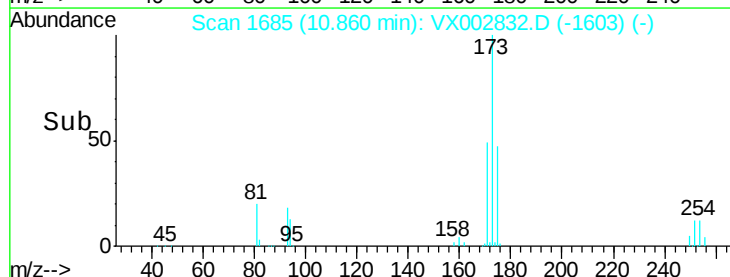
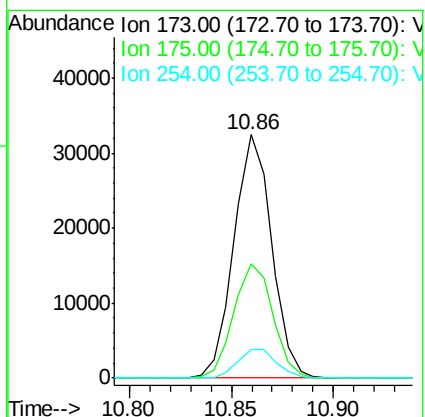
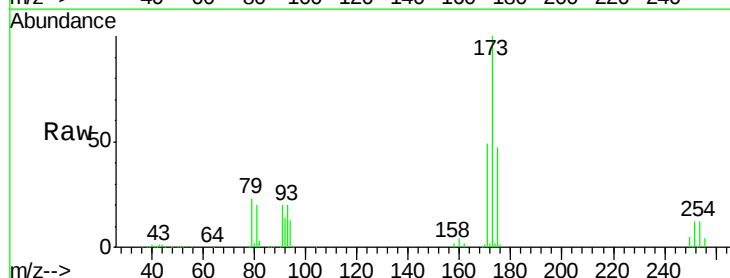
Tgt Ion: 173 Resp: 41801

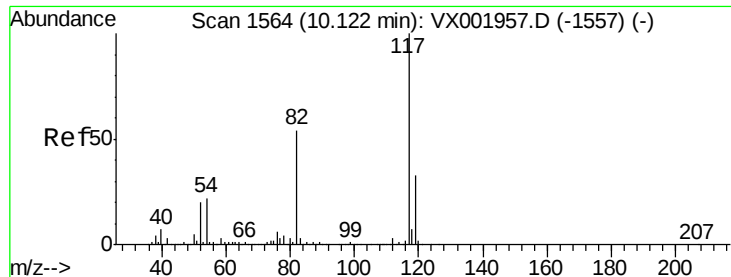
Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.4

254 12.5 9.6 14.4

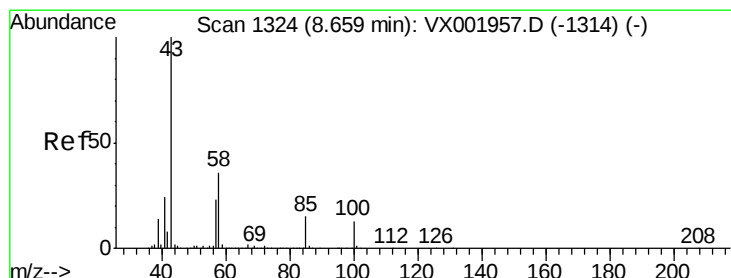
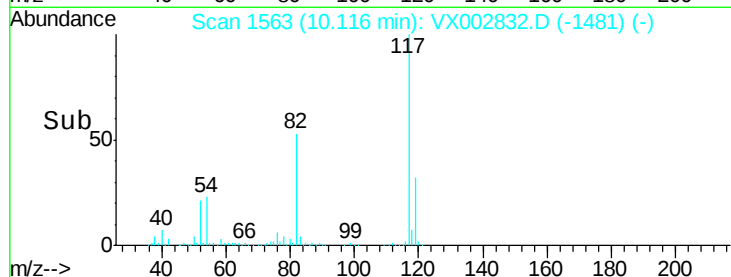
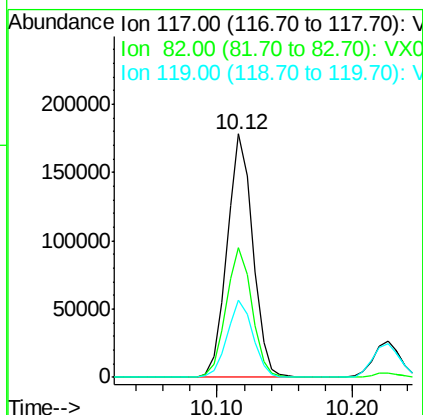
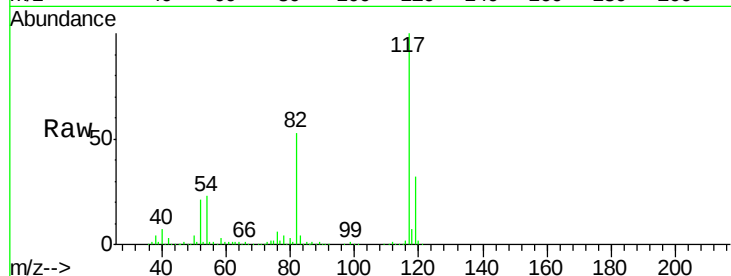




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002832.D
Acq: 22 Jun 2018 13:48

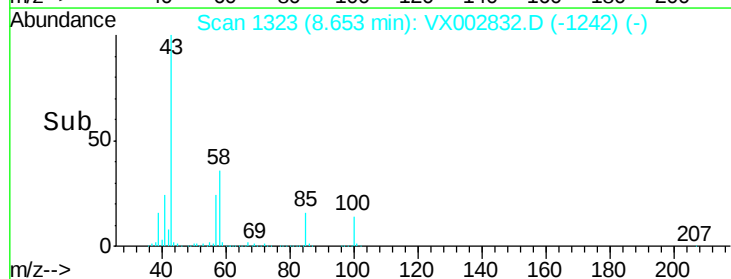
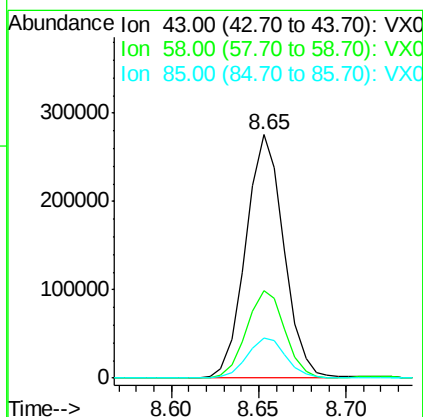
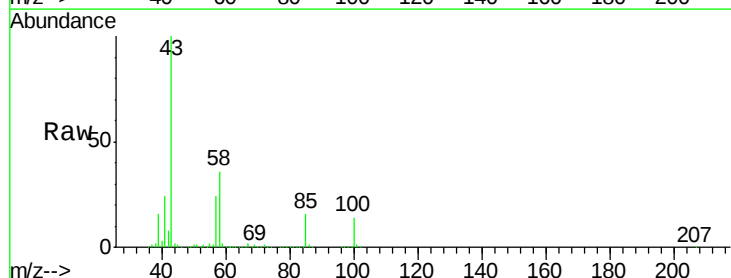
Instrument :
MSVOA_X
ClientSampleId :

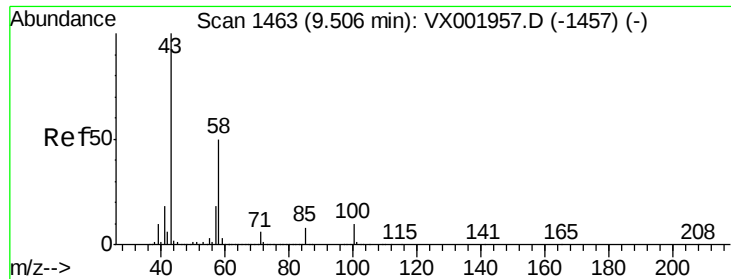
Tot Ion:117 Resp: 233830
Ion Ratio Lower Upper
117 100
82 54.0 44.3 66.5
119 31.7 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 105.56 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX002832.D
Acq: 22 Jun 2018 13:48

Tgt Ion: 43 Resp: 419098
Ion Ratio Lower Upper
43 100
58 36.5 28.2 42.4
85 16.9 12.4 18.6

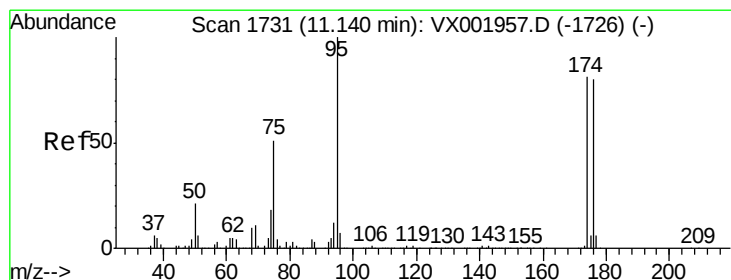
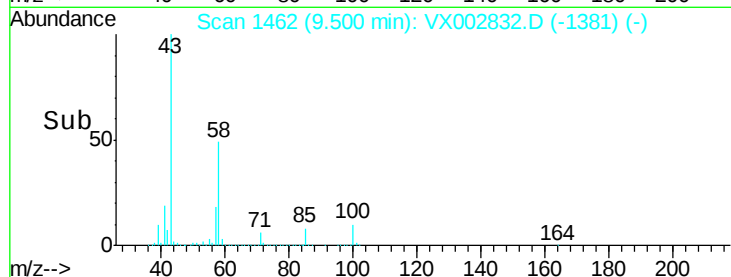
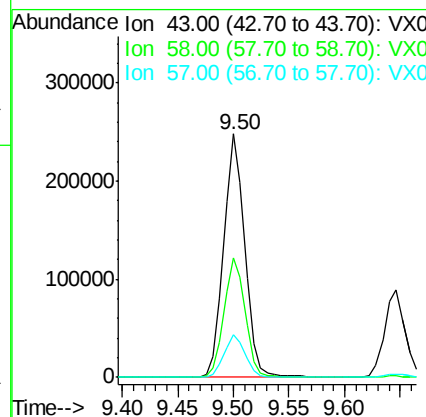
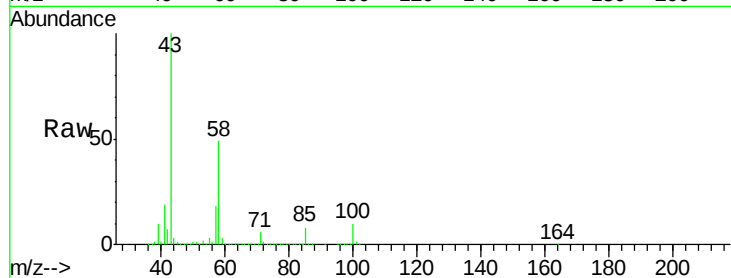




#59
2-Hexanone
Concen: 106.83 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002832.D
Acq: 22 Jun 2018 13:48

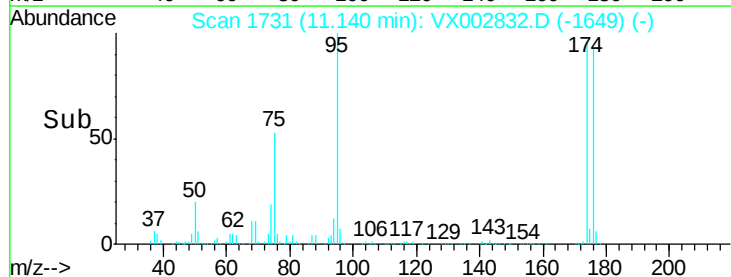
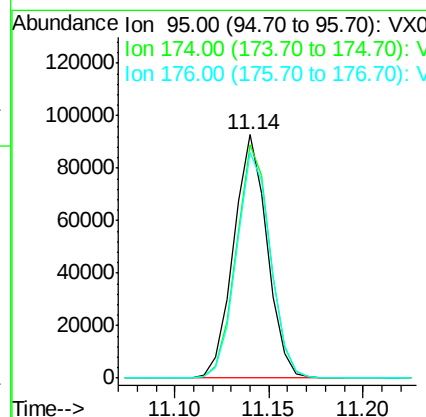
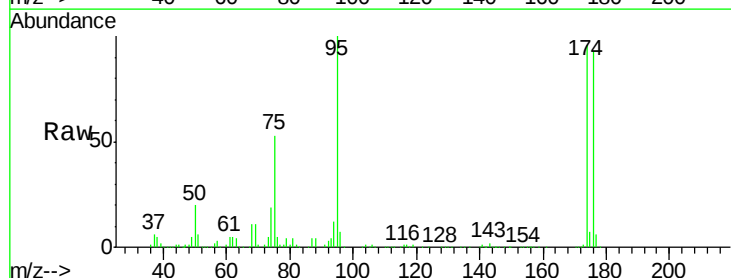
Instrument :
MSVOA_X
ClientSampleId :

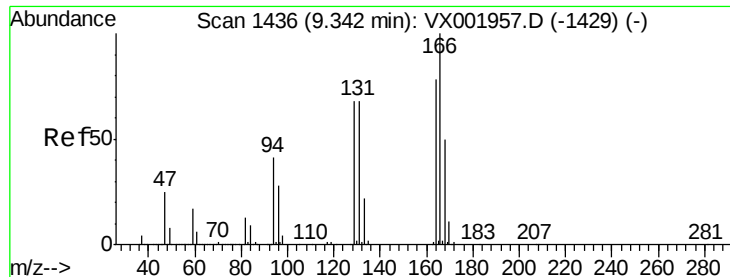
Tot Ion: 43 Resp: 324227
Ion Ratio Lower Upper
43 100
58 49.4 39.6 59.4
57 17.6 14.1 21.1



#60
4-Bromofluorobenzene
Concen: 29.67 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002832.D
Acq: 22 Jun 2018 13:48

Tgt Ion: 95 Resp: 114582
Ion Ratio Lower Upper
95 100
174 96.5 71.8 107.6
176 93.8 70.1 105.1





#61

Tetrachloroethene

Concen: 22.22 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.01 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 71318

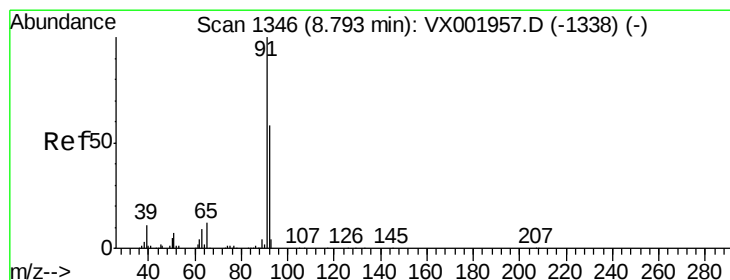
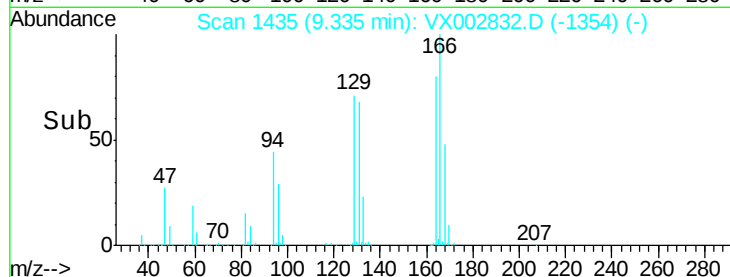
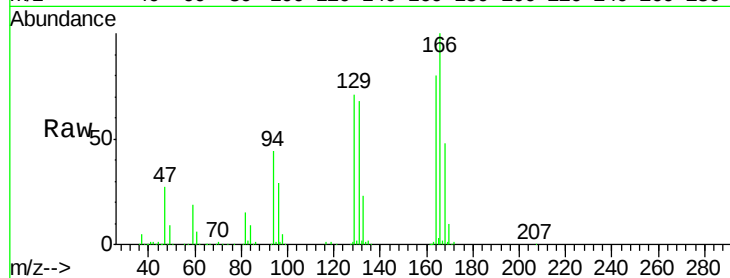
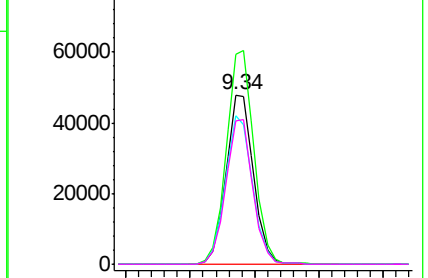
Ion	Ratio	Lower	Upper
164	100		
166	124.3	102.4	153.6
129	87.9	70.1	105.1
131	84.5	69.1	103.7

Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.66 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX002832.D

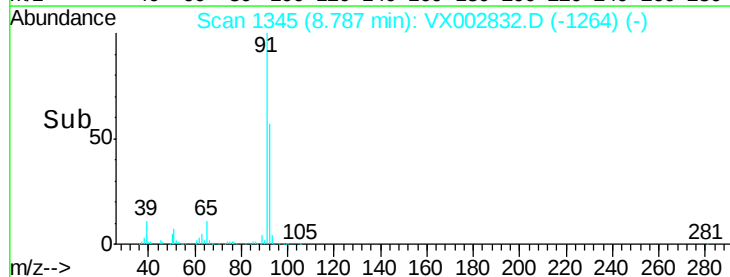
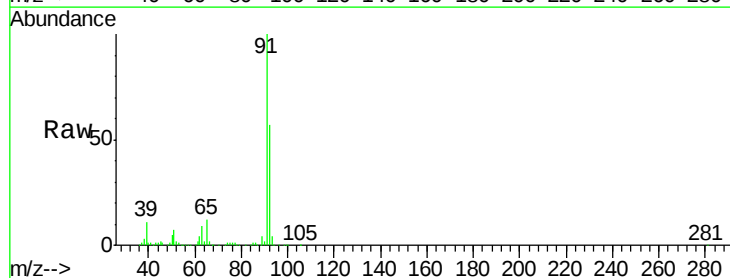
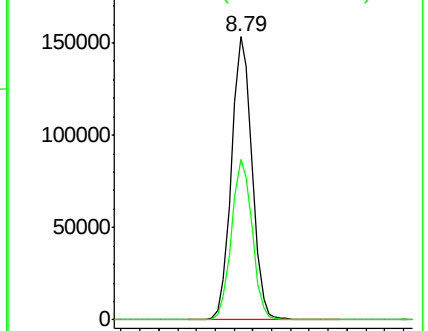
Acq: 22 Jun 2018 13:48

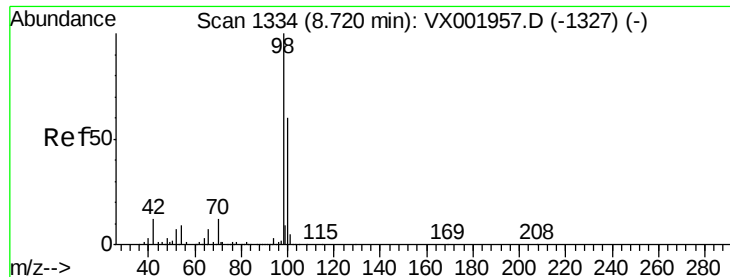
Tgt Ion: 91 Resp: 232886

Ion	Ratio	Lower	Upper
91	100		
92	56.8	46.5	69.7

Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.38 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

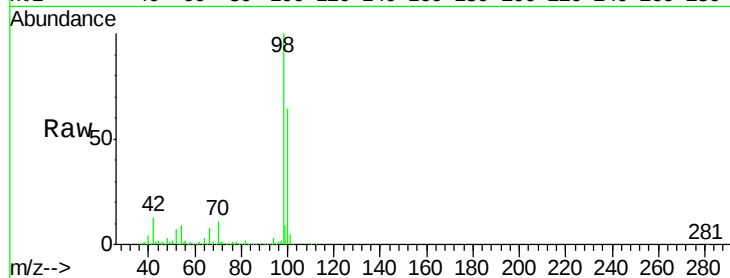
ClientSampleId :

Tot Ion: 98 Resp: 310351

Ion Ratio Lower Upper

98 100

100 64.3 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VX001957.D (-1327) (-)

Ion 100.00 (99.70 to 100.70): VX002832.D (-1252) (-)

8.72

200000

150000

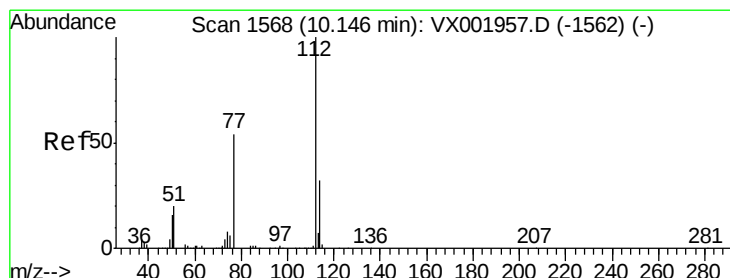
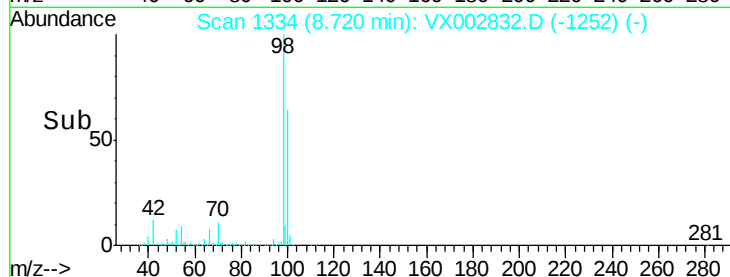
100000

50000

0

8.65 8.70 8.75 8.80 8.85

Time-->



#64

Chlorobenzene

Concen: 20.31 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002832.D

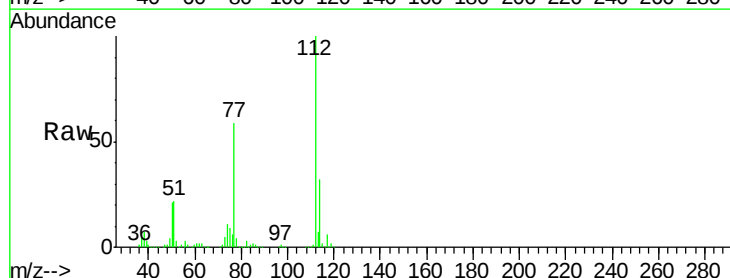
Acq: 22 Jun 2018 13:48

Tgt Ion: 112 Resp: 152130

Ion Ratio Lower Upper

112 100

114 32.1 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VX001957.D (-1562) (-)

Ion 114.00 (113.70 to 114.70): VX002832.D (-1485) (-)

10.14

120000

100000

80000

60000

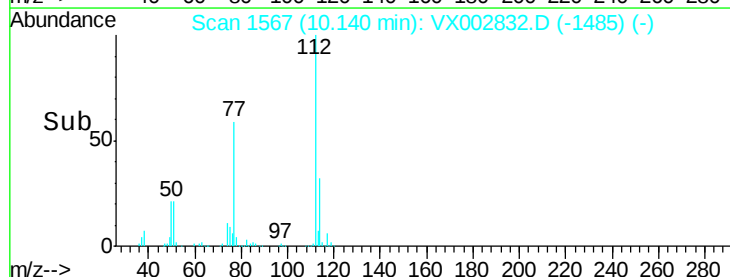
40000

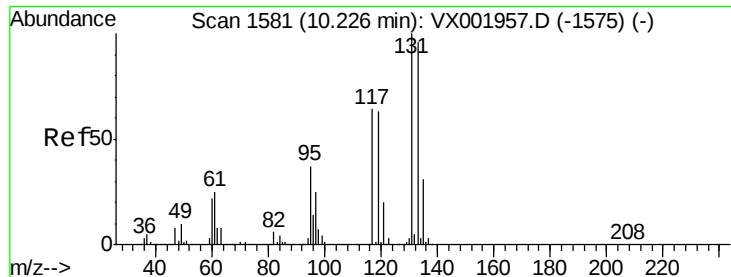
20000

0

10.10 10.15 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.65 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

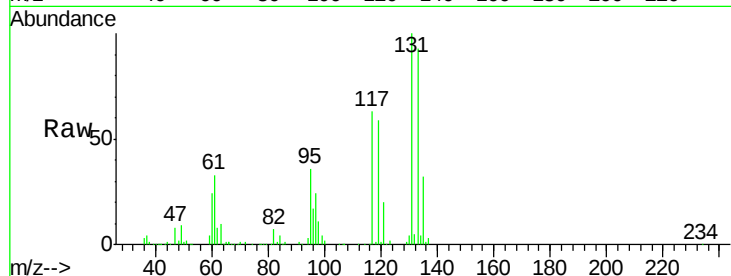
Tot Ion:131 Resp: 56691

Ion Ratio Lower Upper

131 100

133 94.9 0.0 191.2

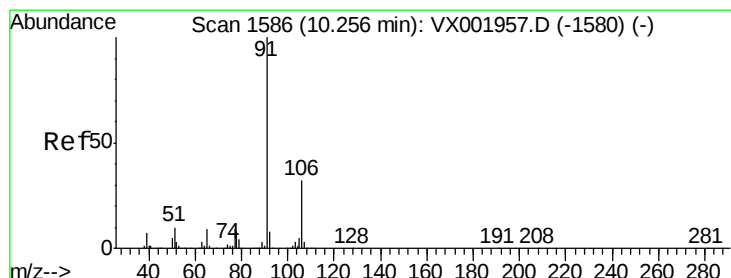
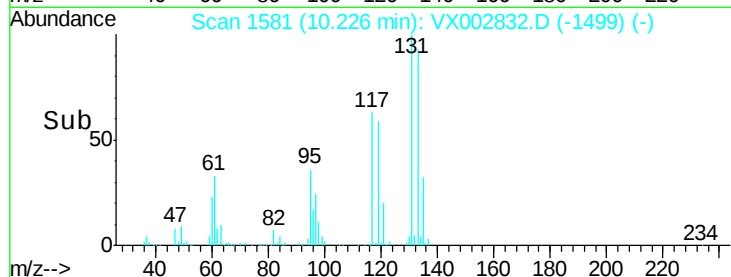
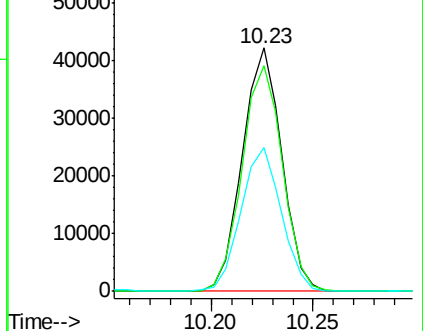
119 60.5 0.0 125.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.12 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002832.D

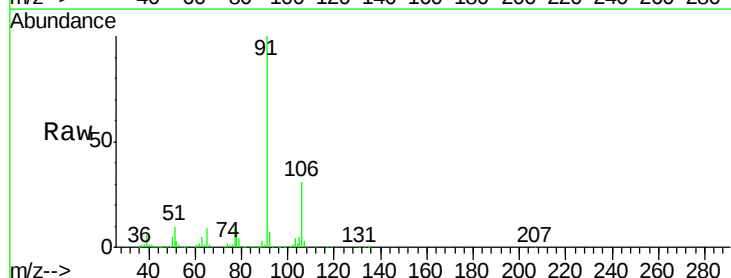
Acq: 22 Jun 2018 13:48

Tgt Ion: 91 Resp: 255375

Ion Ratio Lower Upper

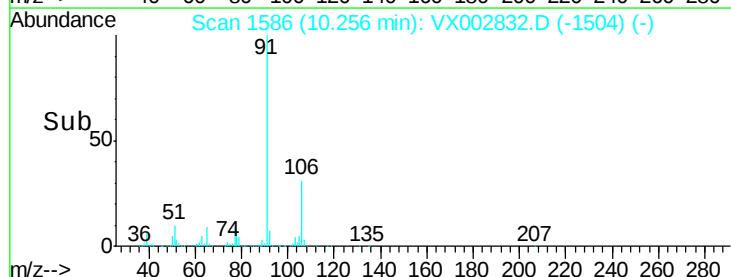
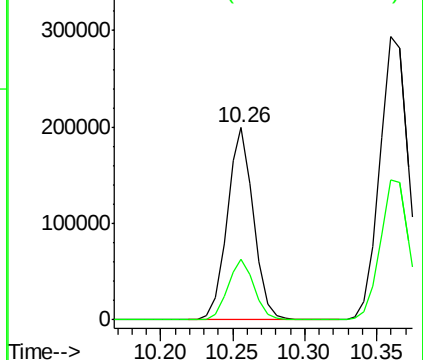
91 100

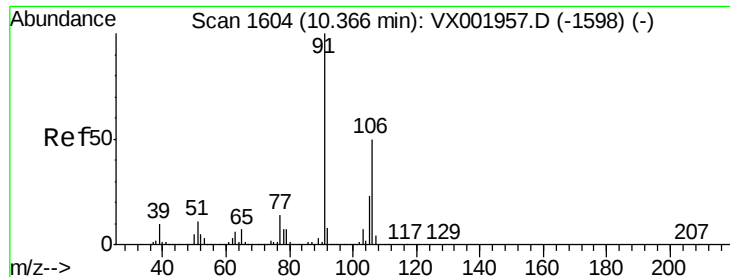
106 31.3 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xvlenes

Concen: 40.29 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

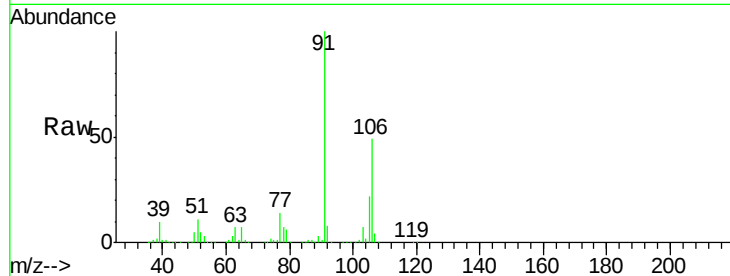
ClientSampled :

Tot Ion:106 Resp: 198762

Ion Ratio Lower Upper

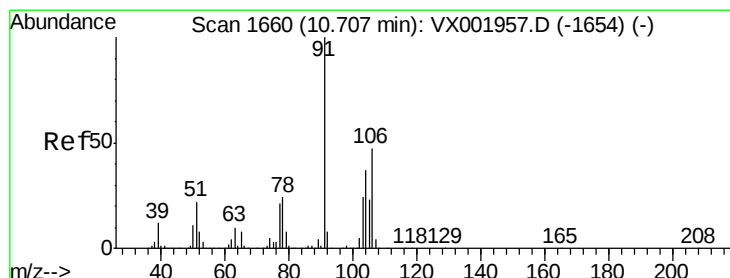
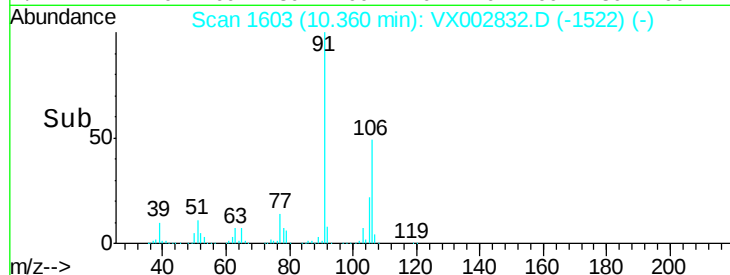
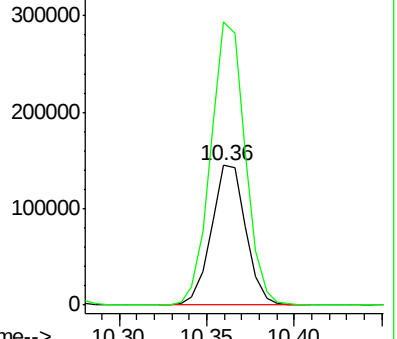
106 100

91 202.0 164.1 246.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 19.99 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX002832.D

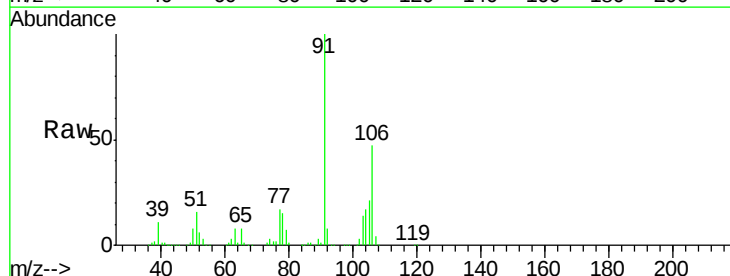
Acq: 22 Jun 2018 13:48

Tgt Ion:106 Resp: 96058

Ion Ratio Lower Upper

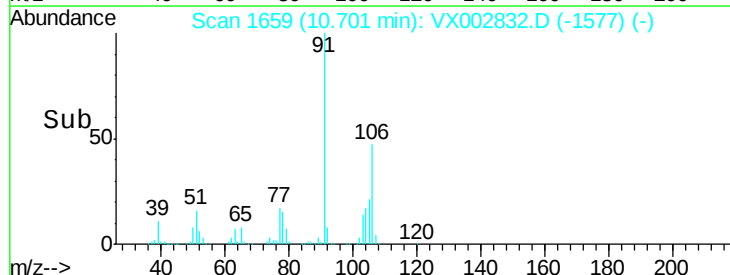
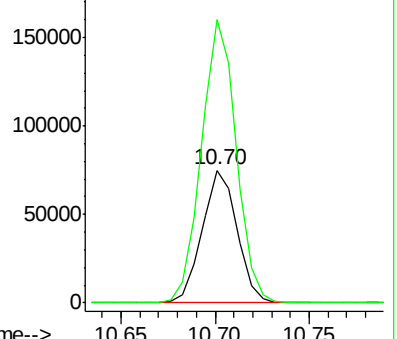
106 100

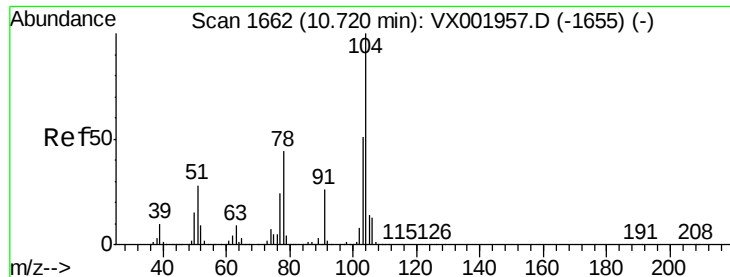
91 213.7 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

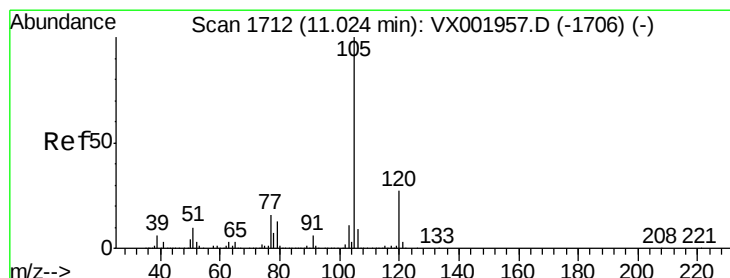
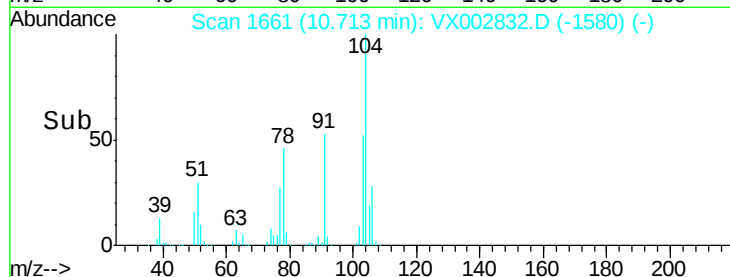
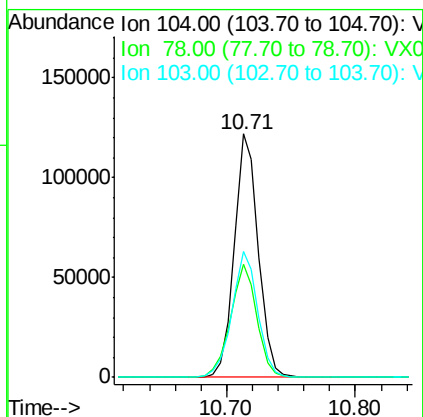
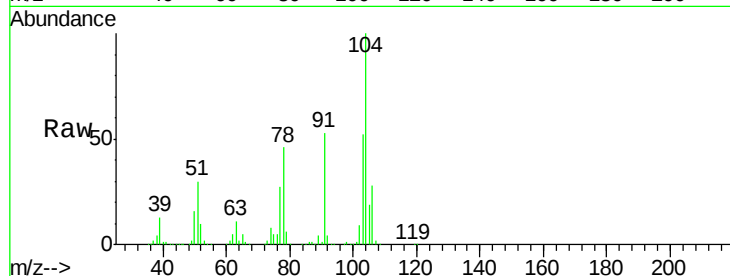




#69
Stvrene
Concen: 19.73 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VX002832.D
Acq: 22 Jun 2018 13:48

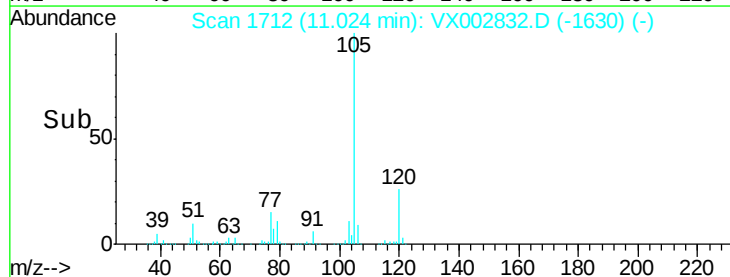
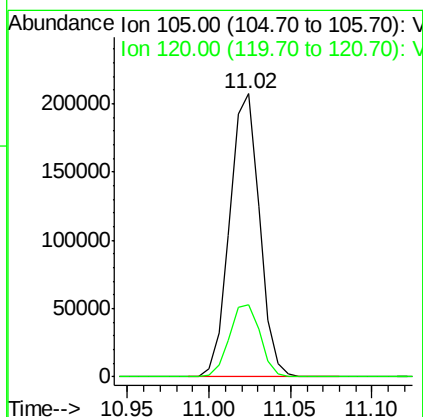
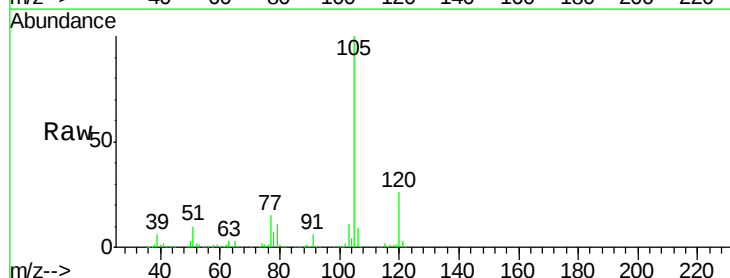
Instrument :
MSVOA_X
ClientSampleId :

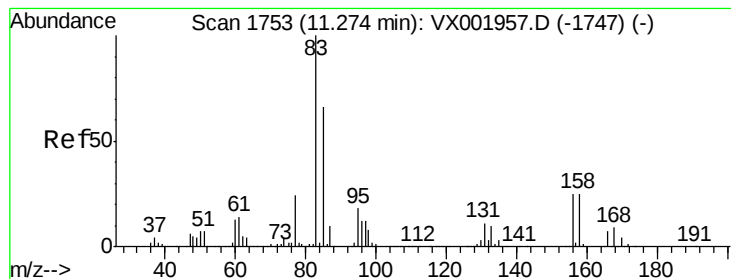
Tot Ion:104 Resp: 158201
Ion Ratio Lower Upper
104 100
78 51.2 41.8 62.8
103 55.5 44.9 67.3



#70
Isopropylbenzene
Concen: 19.93 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX002832.D
Acq: 22 Jun 2018 13:48

Tgt Ion:105 Resp: 264087
Ion Ratio Lower Upper
105 100
120 26.6 19.0 35.2





#71

1,1,2,2-Tetrachloroethane

Concen: 20.39 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

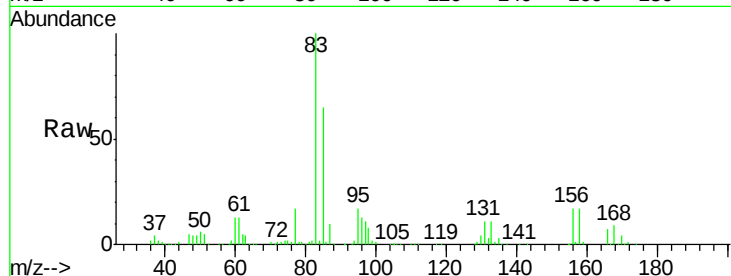
Tot Ion: 83 Resp: 80791

Ion Ratio Lower Upper

83 100

131 11.1 5.4 16.2

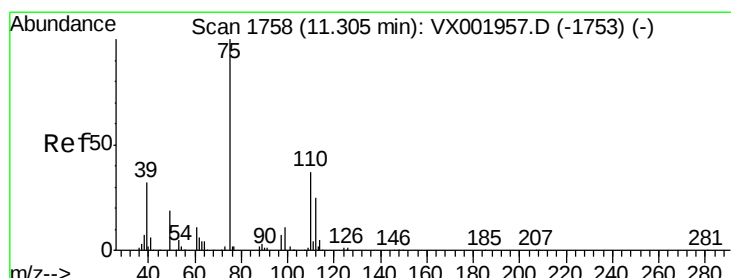
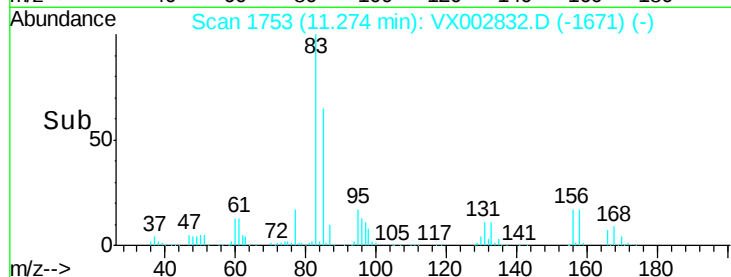
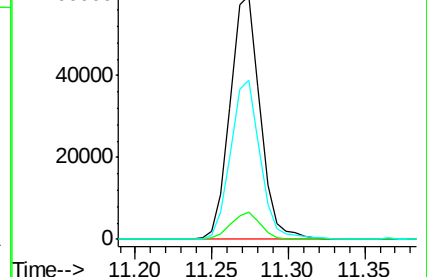
85 64.4 32.4 97.2



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 26.90 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX002832.D

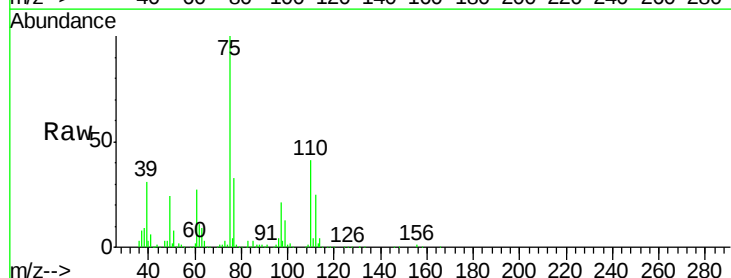
Acq: 22 Jun 2018 13:48

Tgt Ion: 75 Resp: 92382

Ion Ratio Lower Upper

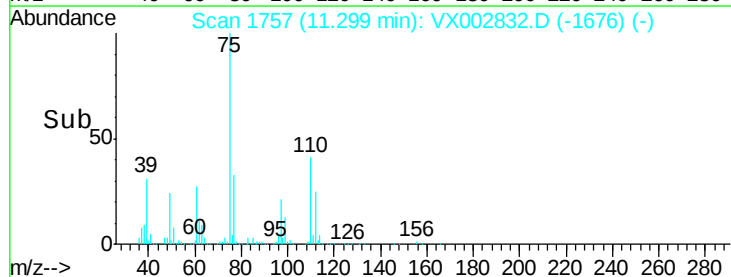
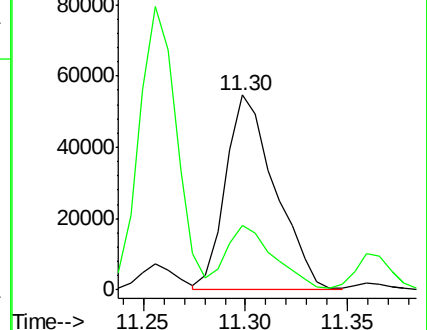
75 100

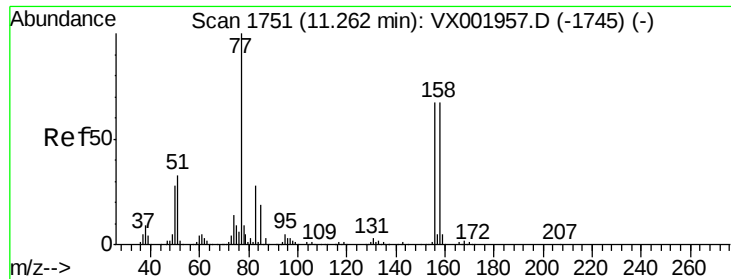
77 31.8 0.0 71.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 19.47 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

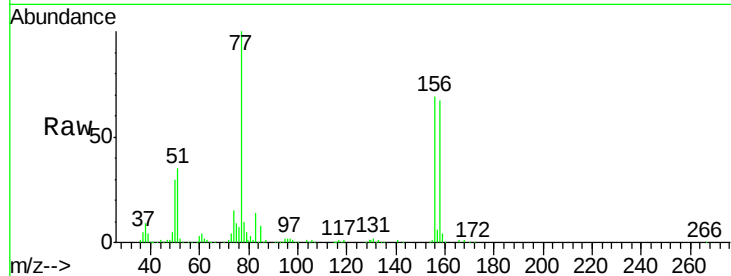
Tot Ion:156 Resp: 71755

Ion Ratio Lower Upper

156 100

77 141.2 0.0 301.0

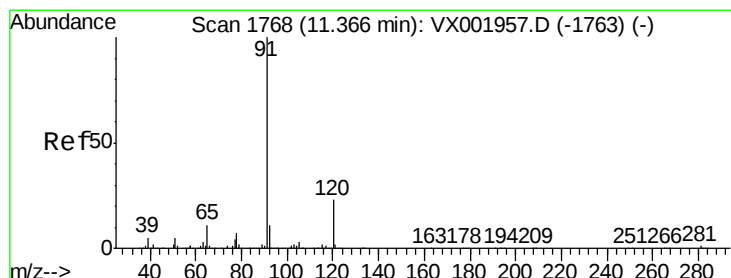
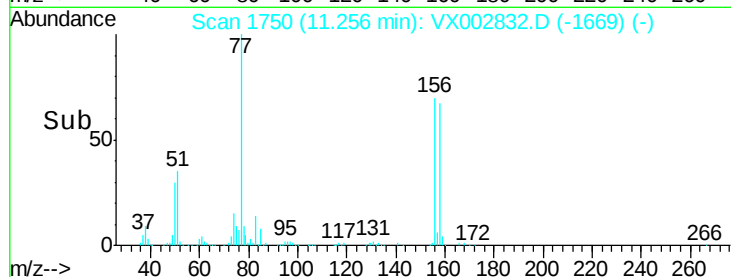
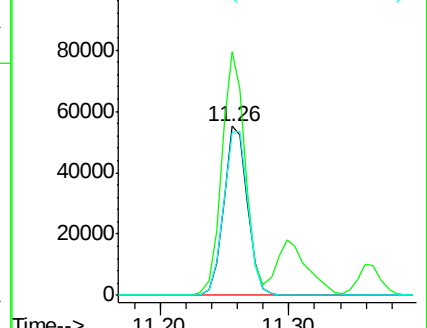
158 100.2 0.0 196.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.55 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002832.D

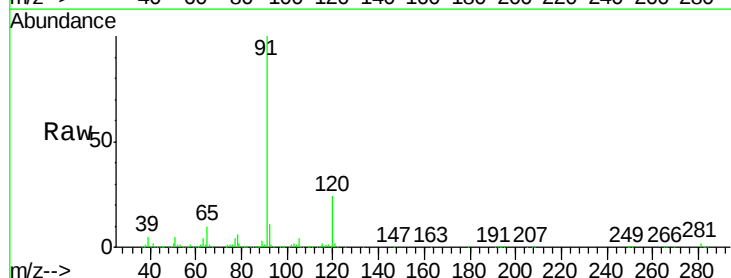
Acq: 22 Jun 2018 13:48

Tgt Ion: 91 Resp: 300788

Ion Ratio Lower Upper

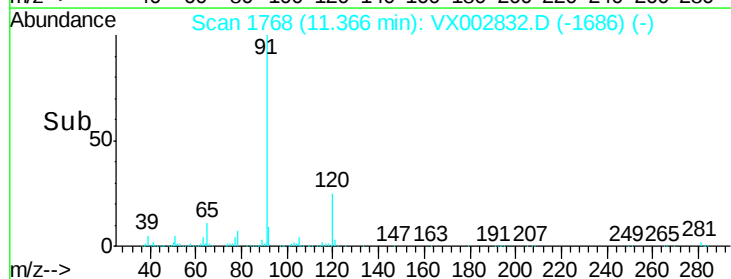
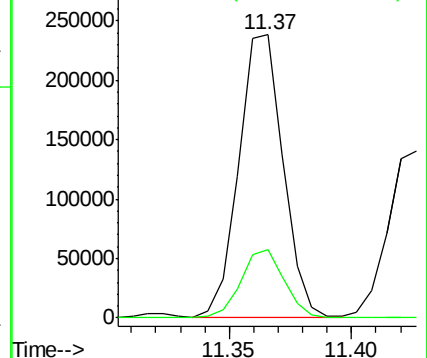
91 100

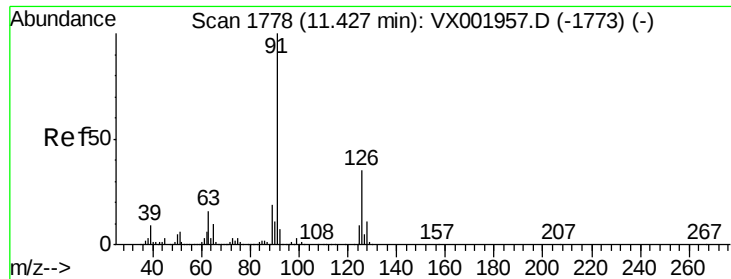
120 23.4 0.0 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.30 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

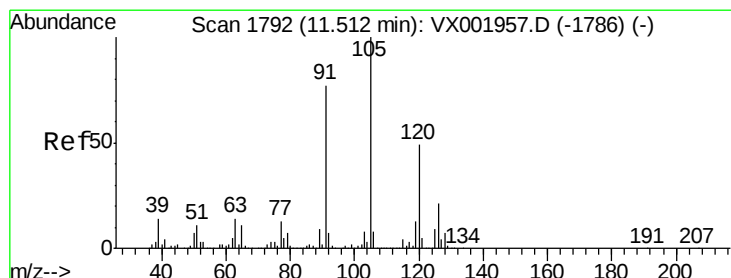
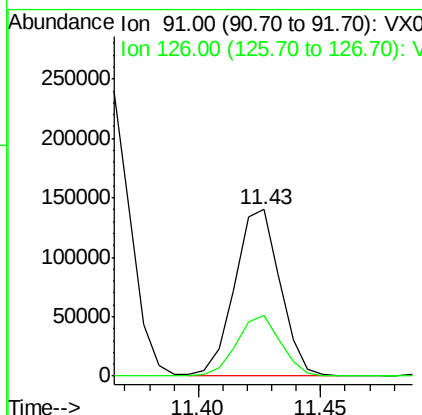
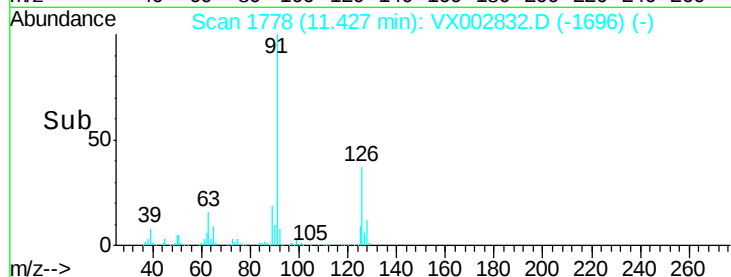
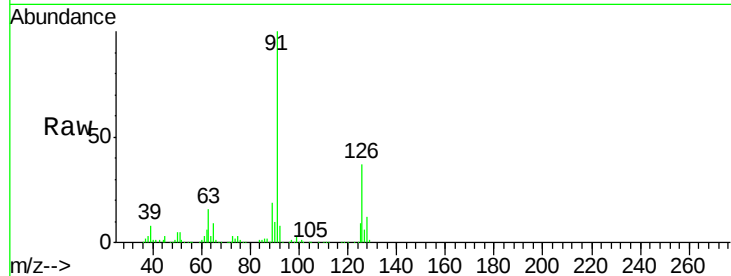
ClientSampled :

Tot Ion: 91 Resp: 181733

Ion Ratio Lower Upper

91 100

126 35.2 0.0 69.4



#76

1,3,5-Trimethylbenzene

Concen: 19.68 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002832.D

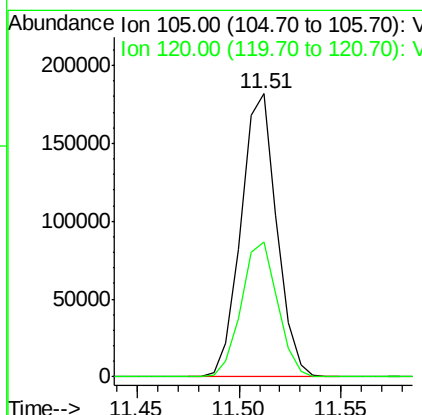
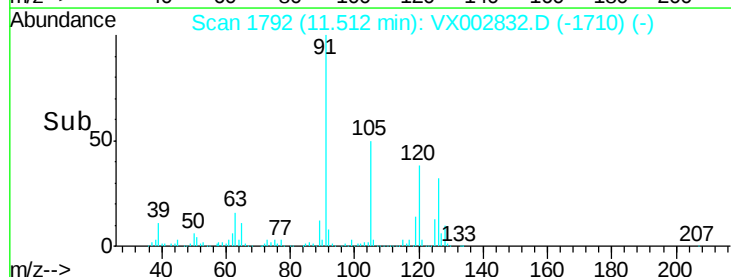
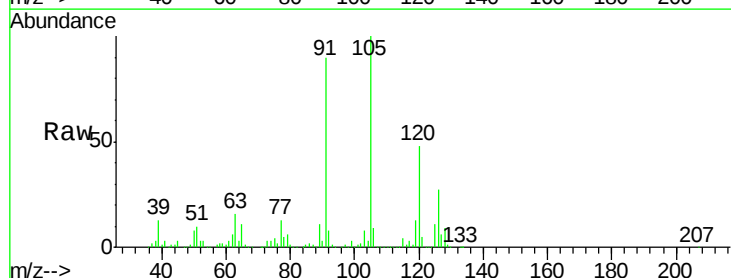
Acq: 22 Jun 2018 13:48

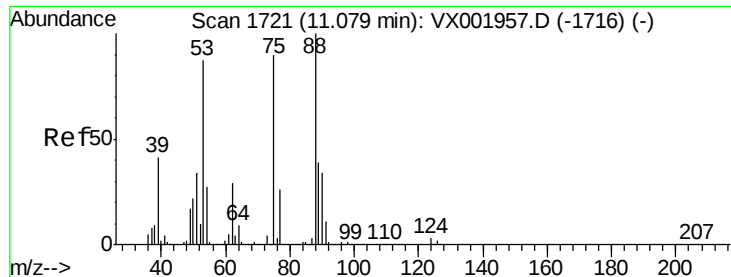
Tgt Ion:105 Resp: 221406

Ion Ratio Lower Upper

105 100

120 48.4 0.0 96.8





#77

t-1,4-Dichloro-2-butene

Concen: 16.90 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

ClientSampled :

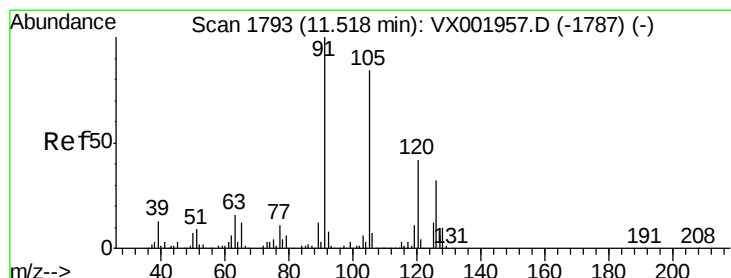
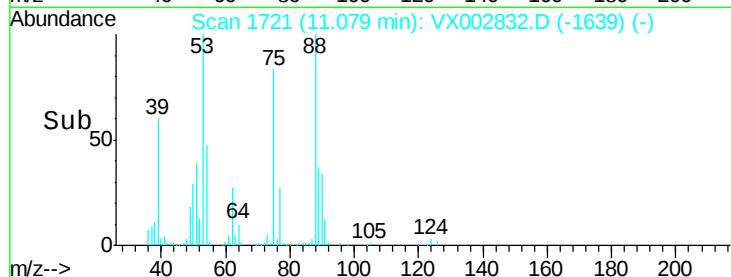
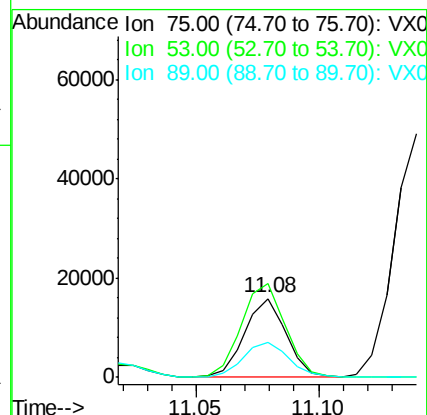
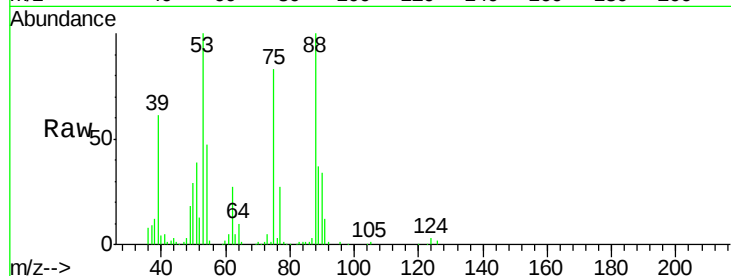
Tot Ion: 75 Resp: 18663

Ion Ratio Lower Upper

75 100

53 119.8 48.3 144.9

89 44.6 21.8 65.4



#78

4-Chlorotoluene

Concen: 19.88 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002832.D

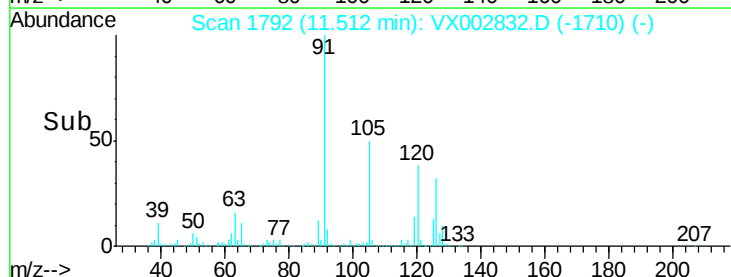
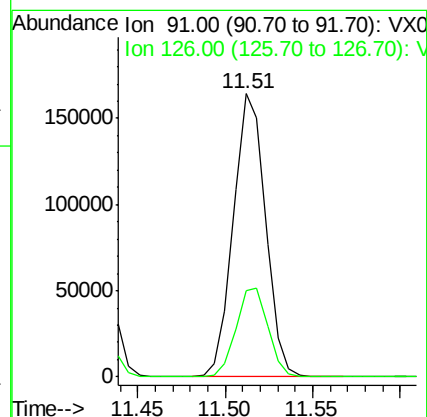
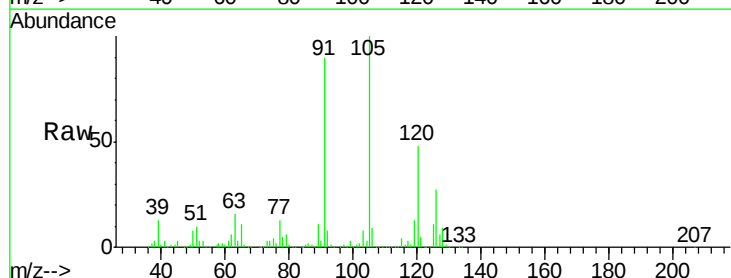
Acq: 22 Jun 2018 13:48

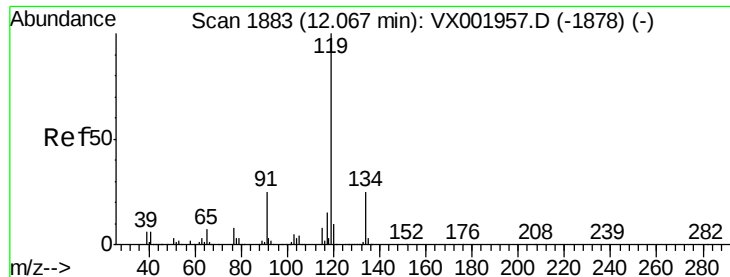
Tgt Ion: 91 Resp: 210852

Ion Ratio Lower Upper

91 100

126 30.9 0.0 61.0





#79

tert-butylbenzene

Concen: 18.88 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

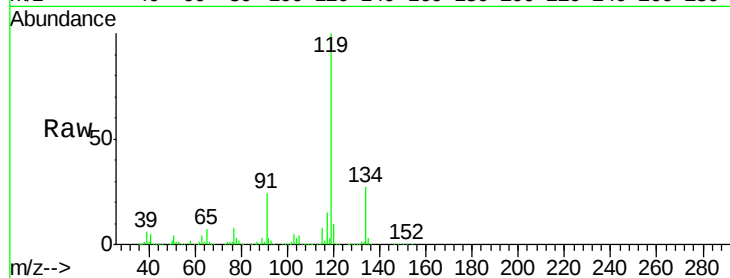
Tot Ion:119 Resp: 234292

Ion Ratio Lower Upper

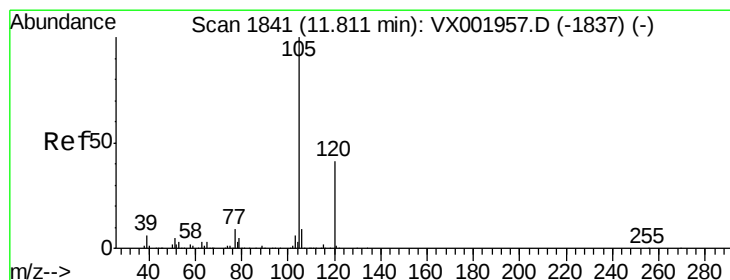
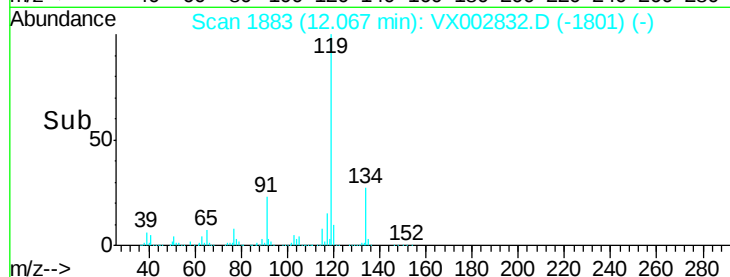
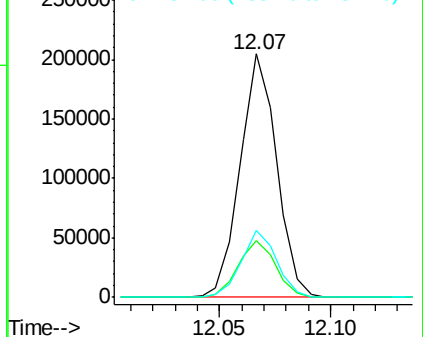
119 100

91 23.9 0.0 48.0

134 26.9 0.0 52.6



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



#80

1,2,4-Trimethylbenzene

Concen: 19.81 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX002832.D

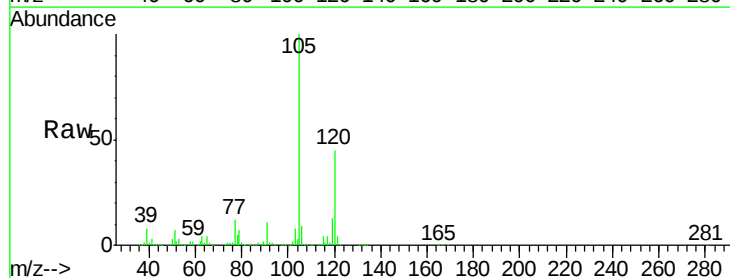
Acq: 22 Jun 2018 13:48

Tgt Ion:105 Resp: 227618

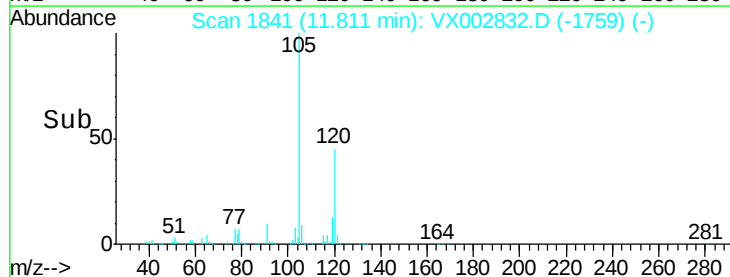
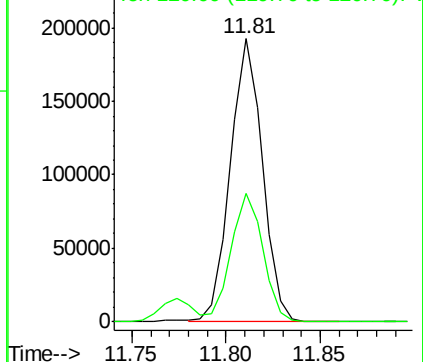
Ion Ratio Lower Upper

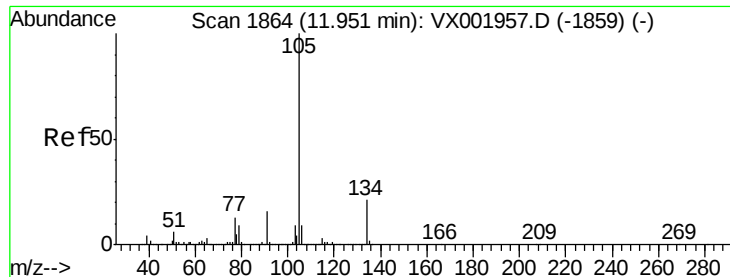
105 100

120 45.4 0.0 89.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 19.15 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

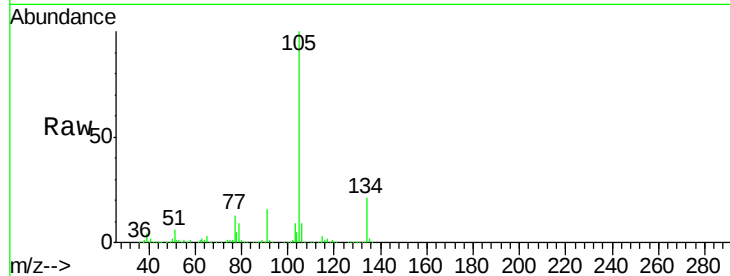
ClientSampleId :

Tot Ion:105 Resp: 263587

Ion Ratio Lower Upper

105 100

134 20.8 0.0 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

250000

200000

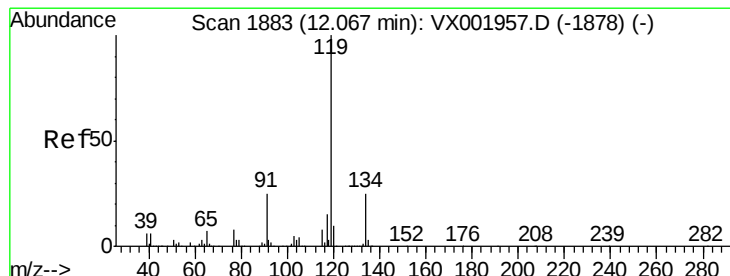
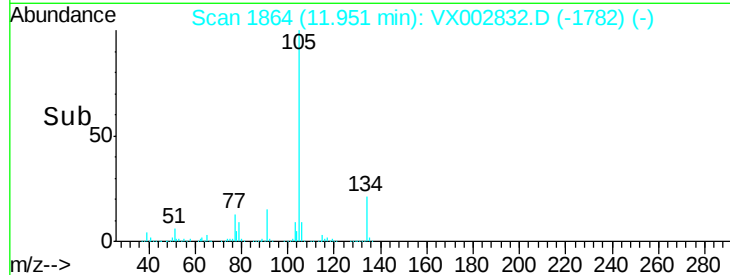
150000

100000

50000

0

Time--> 11.90 11.95 12.00



#82

p-Isopropyltoluene

Concen: 18.88 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

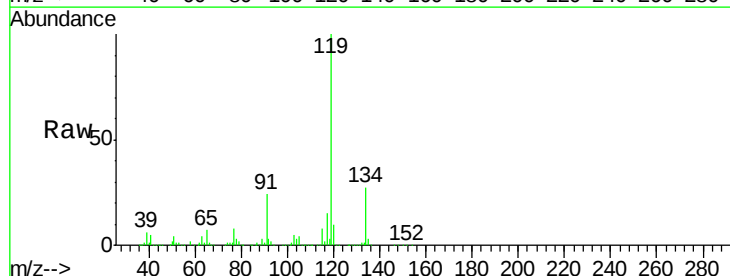
Tgt Ion:119 Resp: 234292

Ion Ratio Lower Upper

119 100

134 26.9 0.0 52.6

91 23.9 0.0 48.0



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

12.07

250000

200000

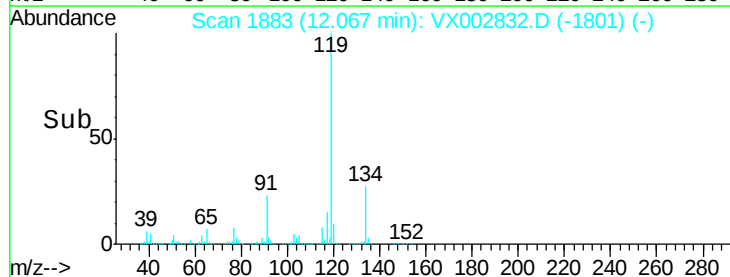
150000

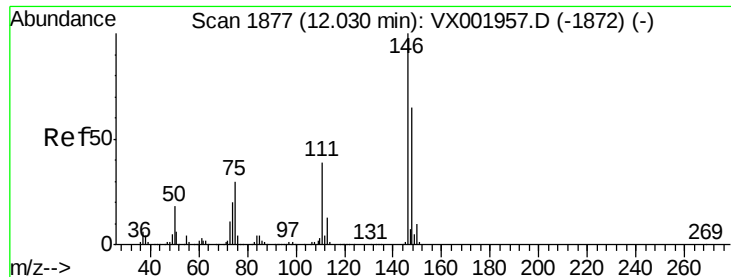
100000

50000

0

Time--> 12.05 12.10

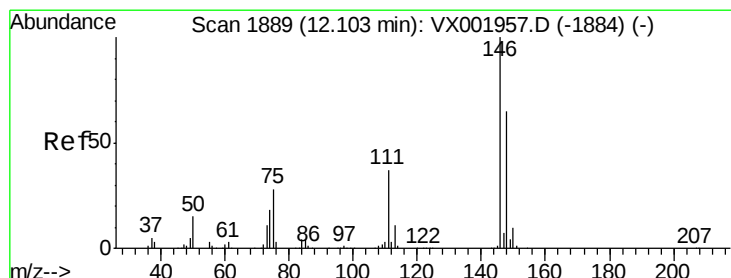
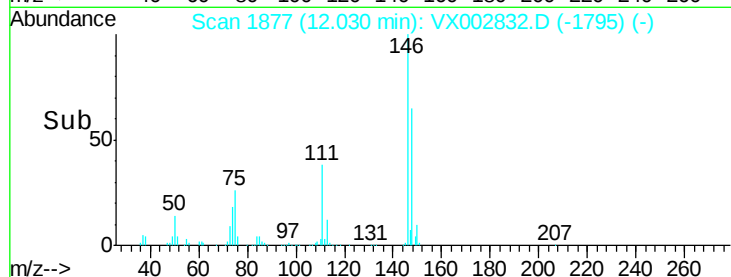
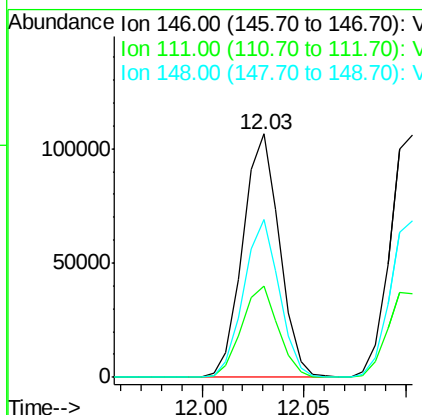
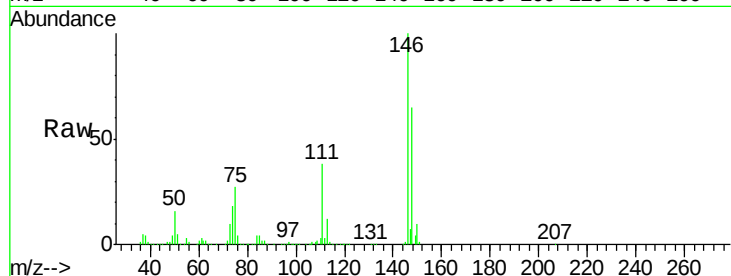




#83
 1,3-Dichlorobenzene
 Concen: 19.58 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002832.D
 Acq: 22 Jun 2018 13:48

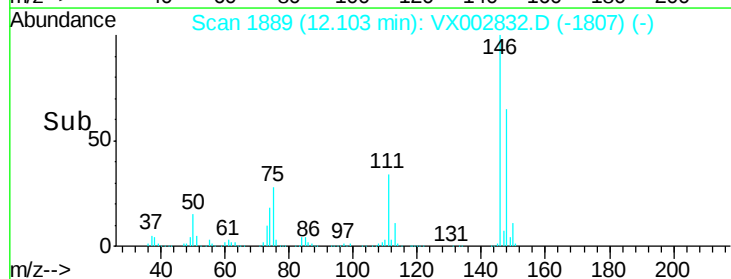
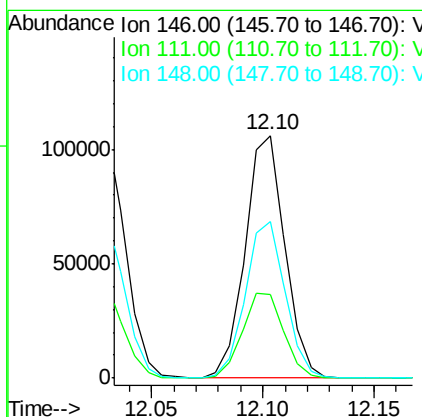
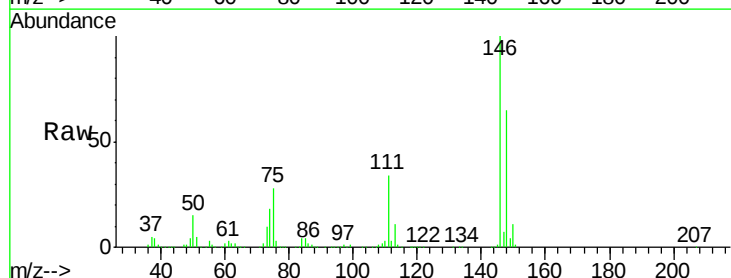
Instrument :
 MSVOA_X
 ClientSampleId :

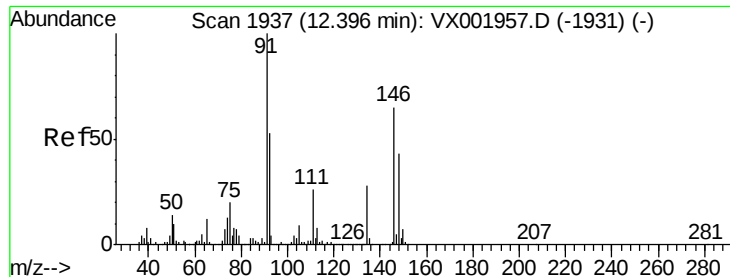
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.5
148	63.3	31.9	95.7



#84
 1,4-Dichlorobenzene
 Concen: 19.37 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002832.D
 Acq: 22 Jun 2018 13:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.5	55.5
148	64.6	32.0	96.0

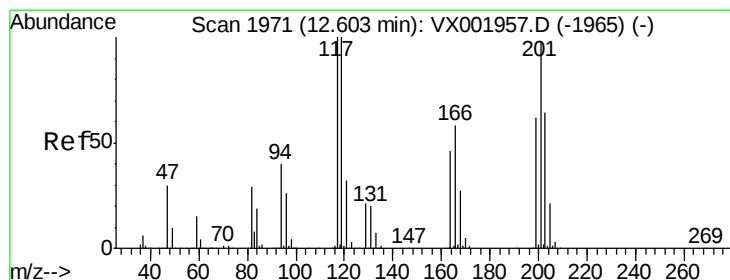
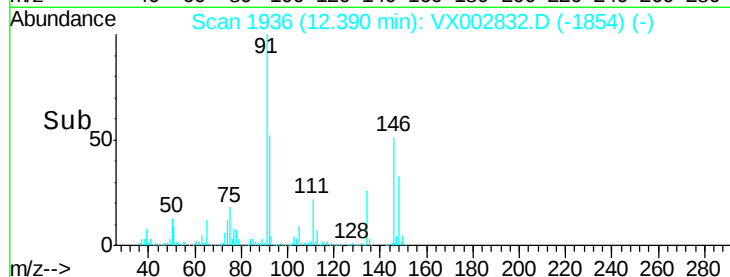
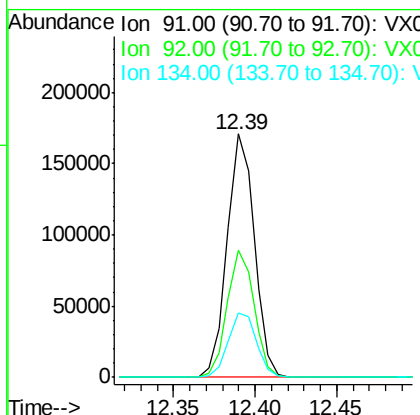
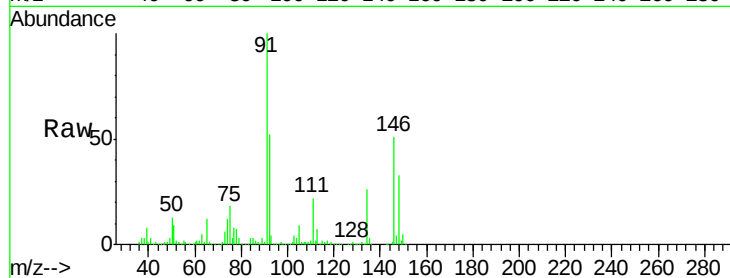




#85
n-Butylbenzene
Concen: 18.13 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002832.D
Acq: 22 Jun 2018 13:48

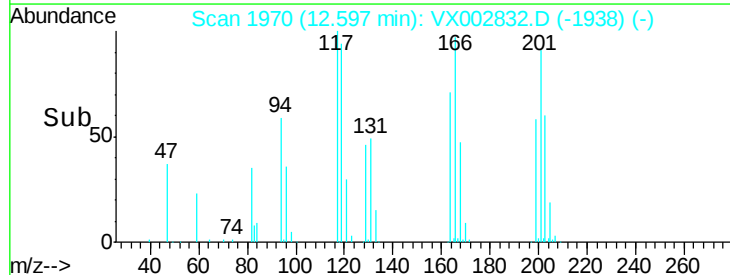
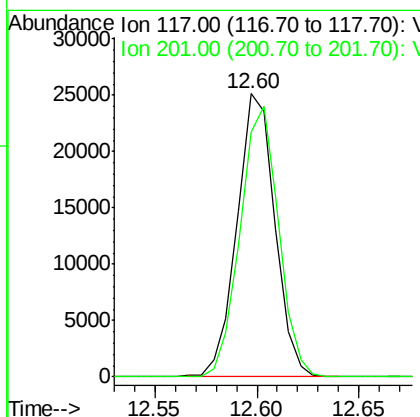
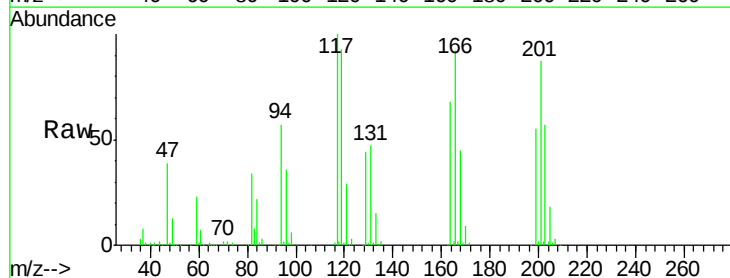
Instrument :
MSVOA_X
ClientSampled :

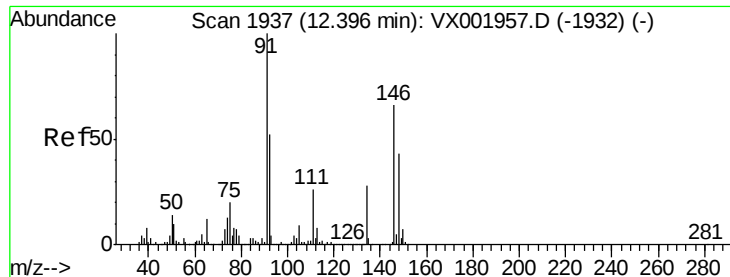
Tot Ion: 91 Resp: 199455
Ion Ratio Lower Upper
91 100
92 51.7 0.0 105.2
134 27.4 0.0 53.2



#86
Hexachloroethane
Concen: 17.20 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX002832.D
Acq: 22 Jun 2018 13:48

Tgt Ion: 117 Resp: 32354
Ion Ratio Lower Upper
117 100
201 96.7 47.6 142.8





#87

1,2-Dichlorobenzene

Concen: 19.80 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

ClientSampled :

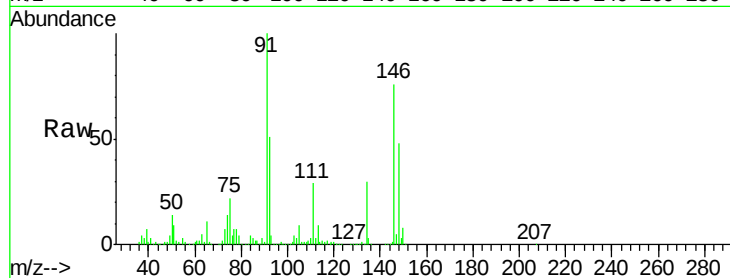
Tot Ion:146 Resp: 135584

Ion Ratio Lower Upper

146 100

111 38.8 20.0 59.9

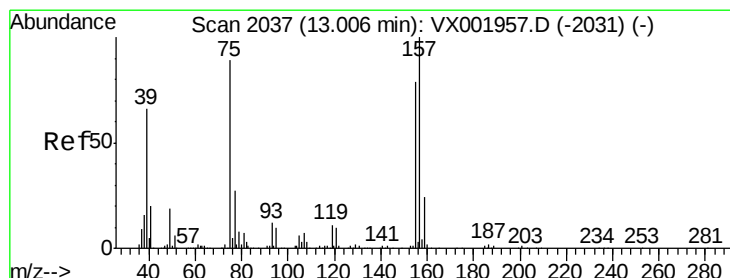
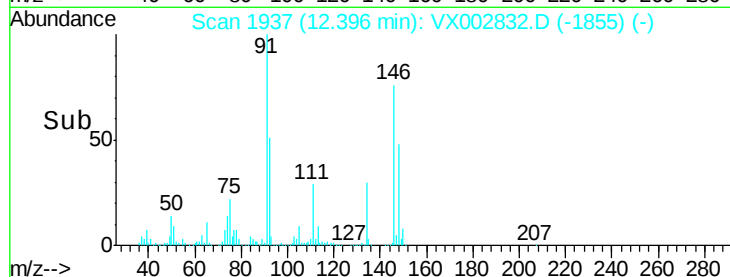
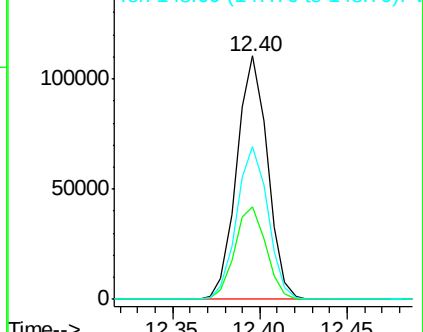
148 63.5 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.54 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

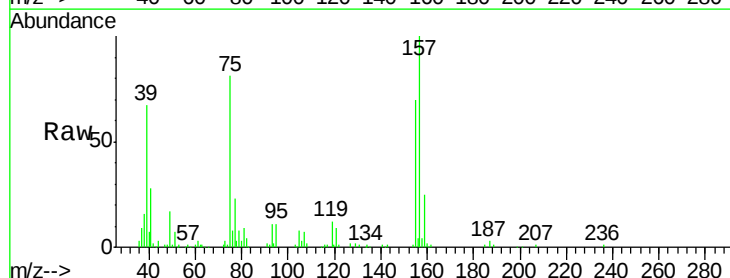
Tgt Ion: 75 Resp: 17290

Ion Ratio Lower Upper

75 100

155 91.1 73.1 109.7

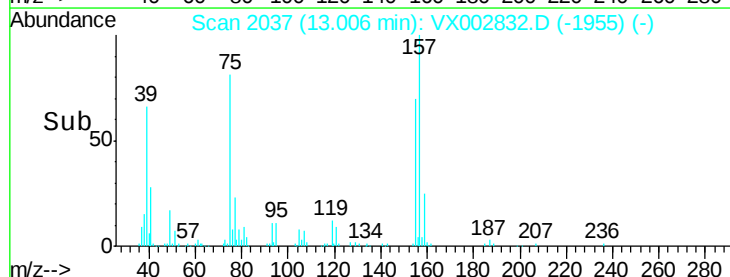
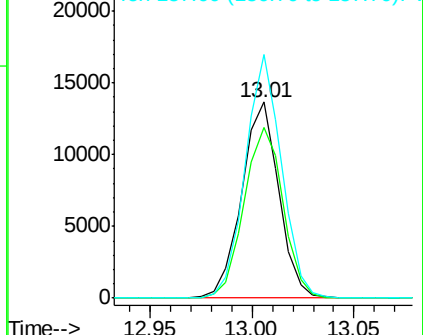
157 120.9 93.1 139.7

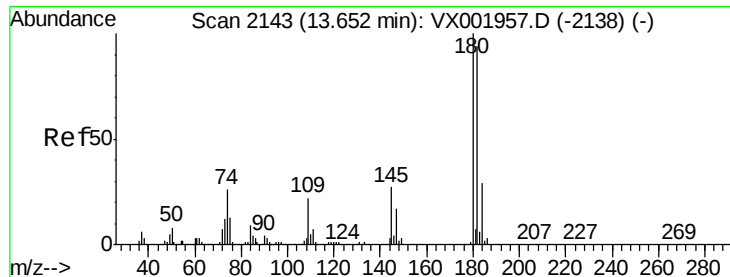


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

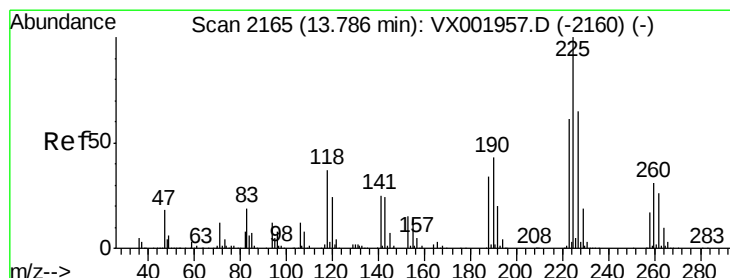
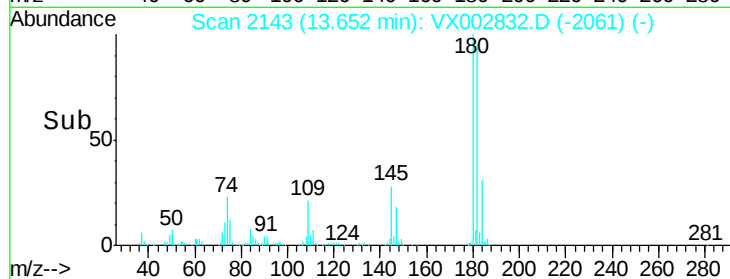
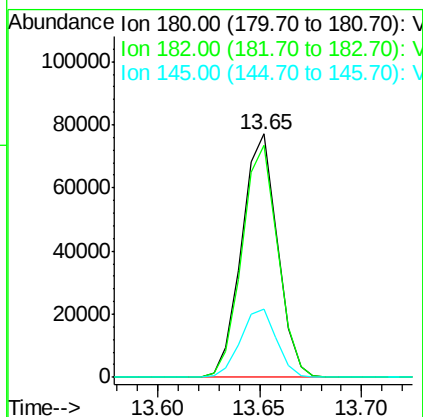
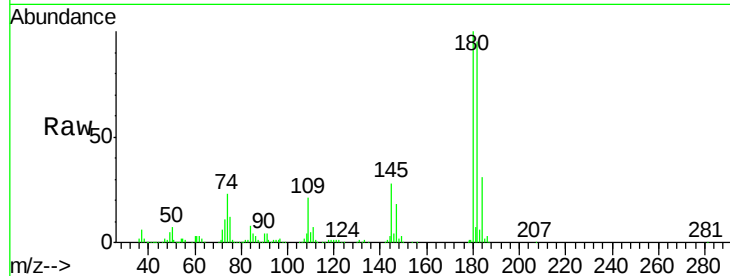




#89
 1,2,4-Trichlorobenzene
 Concen: 18.23 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002832.D
 Acq: 22 Jun 2018 13:48

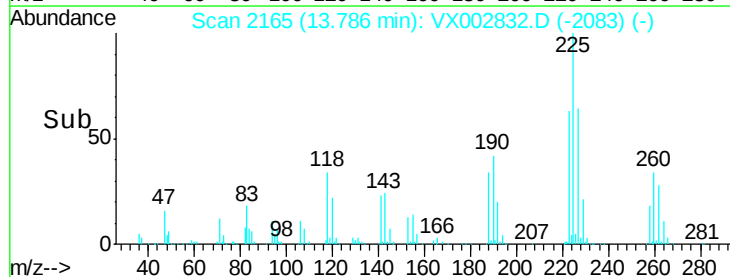
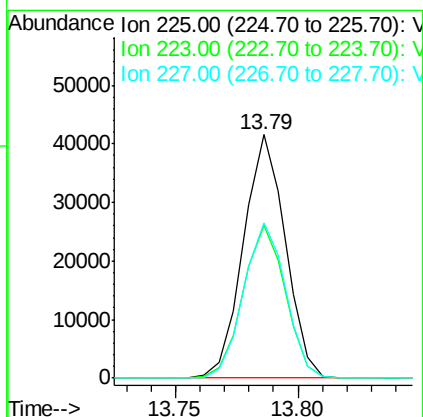
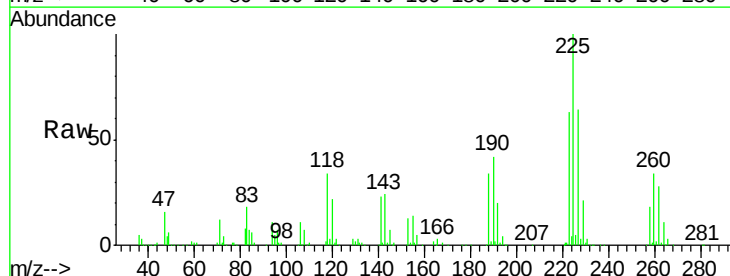
Instrument :
 MSVOA_X
 ClientSampleId :

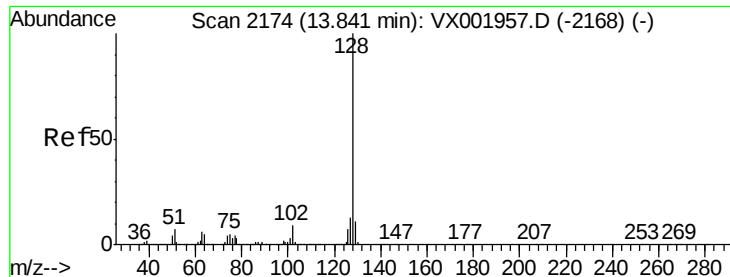
Tot Ion:180 Resp: 94242
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.4 114.6
 145 28.4 22.9 34.3



#90
 Hexachlorobutadiene
 Concen: 18.52 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002832.D
 Acq: 22 Jun 2018 13:48

Tgt Ion:225 Resp: 49837
 Ion Ratio Lower Upper
 225 100
 223 63.2 0.0 122.4
 227 63.8 0.0 128.0





#91

Naphthalene

Concen: 19.34 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

Instrument :

MSVOA_X

ClientSampleId :

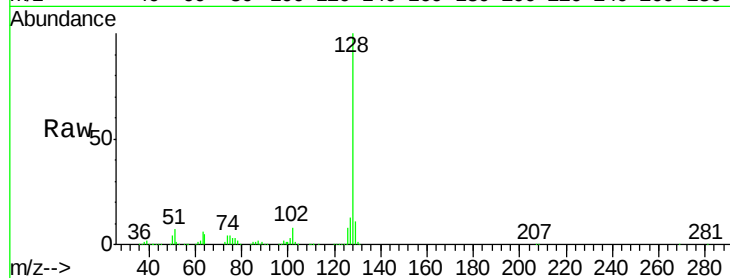
Tot Ion:128 Resp: 264953

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

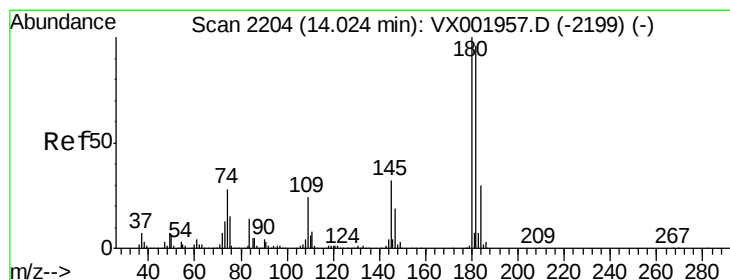
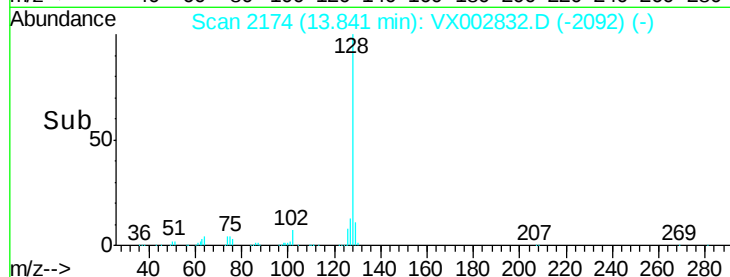
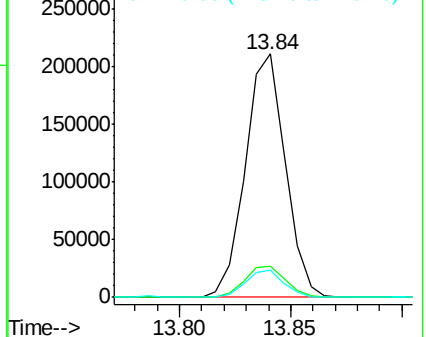
129 11.0 8.9 13.3



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



#92

1,2,3-Trichlorobenzene

Concen: 19.39 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002832.D

Acq: 22 Jun 2018 13:48

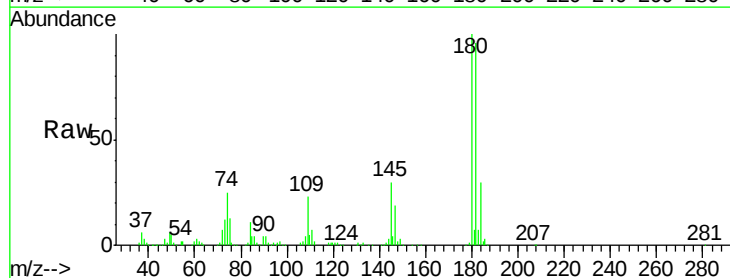
Tgt Ion:180 Resp: 99747

Ion Ratio Lower Upper

180 100

182 96.2 0.0 191.0

145 29.2 0.0 60.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

