

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002639.D
 Acq On : 16 Jun 2018 11:10
 Operator : JC/MD
 Sample : VX0615WBS03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 18 06:09:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	223173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	315513	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	299526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186936	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	156424	46.12	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.24%		
35) Dibromofluoromethane	5.51	113	121320	48.18	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.36%		
50) Toluene-d8	8.72	98	465324	48.67	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.34%		
62) 4-Bromofluorobenzene	11.14	95	170085	46.95	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.90%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	44185	18.65	ug/l	100
3) Chloromethane	1.32	50	47401	16.82	ug/l	99
4) Vinyl Chloride	1.40	62	54798	18.74	ug/l	94
5) Bromomethane	1.64	94	29294	16.60	ug/l	97
6) Chloroethane	1.73	64	36547	18.96	ug/l	99
7) Trichlorofluoromethane	1.93	101	93338	19.64	ug/l	98
8) Diethyl Ether	2.19	74	33945	18.78	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	51906	19.54	ug/l	98
10) Methyl Iodide	2.51	142	45328	16.52	ug/l	98
11) Tert butyl alcohol	3.07	59	66482	94.83	ug/l	100
12) 1,1-Dichloroethene	2.38	96	46949	18.83	ug/l	93
13) Acrolein	2.30	56	25270	81.64	ug/l	96
14) Allyl chloride	2.73	41	91447	18.47	ug/l	97
15) Acrylonitrile	3.15	53	139627	91.27	ug/l	99
16) Acetone	2.45	43	163993	109.60	ug/l	99
17) Carbon Disulfide	2.57	76	110556	18.69	ug/l	97
18) Methyl Acetate	2.78	43	74643	18.73	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	174008	18.60	ug/l	98
20) Methylene Chloride	2.86	84	52396	17.08	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	50503	18.67	ug/l	99
22) Diisopropyl ether	3.87	45	166682	18.61	ug/l	93
23) Vinyl Acetate	3.83	43	691452	92.22	ug/l	99
24) 1,1-Dichloroethane	3.70	63	96466	19.84	ug/l	99
25) 2-Butanone	4.71	43	197395	100.46	ug/l	100
26) 2,2-Dichloropropane	4.59	77	67361	19.28	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	52376	19.03	ug/l	99
28) Bromochloromethane	5.03	49	42163	18.52	ug/l	96
29) Tetrahydrofuran	5.17	42	118747	92.21	ug/l	97
30) Chloroform	5.22	83	91096	19.43	ug/l	100
31) Cyclohexane	5.58	56	78301	19.56	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	78169	19.93	ug/l	99
36) 1,1-Dichloropropene	5.81	75	65897	19.67	ug/l	98
37) Ethyl Acetate	4.87	43	73395	19.35	ug/l	100
38) Carbon Tetrachloride	5.79	117	66890	20.05	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002639.D
 Acq On : 16 Jun 2018 11:10
 Operator : JC/MD
 Sample : VX0615WBS03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 18 06:09:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	80011	20.42	ug/l	100
40) Benzene	6.15	78	195758	19.48	ug/l	98
41) Methacrylonitrile	5.07	41	41104	19.19	ug/l	98
42) 1,2-Dichloroethane	6.20	62	77212	19.85	ug/l	100
43) Isopropyl Acetate	6.47	43	118271	18.82	ug/l	100
44) Trichloroethene	7.22	130	57510	19.83	ug/l	95
45) 1,2-Dichloropropane	7.52	63	50392	19.06	ug/l	99
46) Dibromomethane	7.67	93	35811	20.24	ug/l	98
47) Bromodichloromethane	7.90	83	60985	19.55	ug/l	97
48) Methyl methacrylate	7.78	41	61856	19.26	ug/l	99
49) 1,4-Dioxane	7.76	88	24515	403.13	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	390870	96.88	ug/l	99
52) Toluene	8.79	92	128288	20.02	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	72547	19.12	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	64253	18.47	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	52771	20.38	ug/l	98
56) Ethyl methacrylate	9.18	69	76284	19.14	ug/l	98
57) 1,3-Dichloropropane	9.38	76	85968	19.63	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	183969	95.43	ug/l	100
59) 2-Hexanone	9.50	43	307282	101.07	ug/l	99
60) Dibromochloromethane	9.59	129	47906	18.97	ug/l	100
61) 1,2-Dibromoethane	9.68	107	53447	19.93	ug/l	99
64) Tetrachloroethene	9.34	164	63774	19.18	ug/l	98
65) Chlorobenzene	10.14	112	158654	21.57	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	50475	20.13	ug/l	99
67) Ethyl Benzene	10.26	91	249475	20.11	ug/l	100
68) m/p-Xylenes	10.37	106	193073	40.34	ug/l	100
69) o-Xylene	10.70	106	93148	19.81	ug/l	98
70) Styrene	10.71	104	152889	19.77	ug/l	99
71) Bromoform	10.86	173	34951	18.67	ug/l #	99
73) Isopropylbenzene	11.02	105	258416	20.67	ug/l	100
74) N-amyl acetate	6.47	43	118271	19.04	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	76361	20.68	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	81069	22.98	ug/l	80
77) Bromobenzene	11.26	156	68666	19.71	ug/l	97
78) n-propylbenzene	11.37	91	290380	20.25	ug/l	100
79) 2-Chlorotoluene	11.43	91	169458	19.79	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	213875	20.24	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	15437	17.02	ug/l	88
82) 4-Chlorotoluene	11.51	91	201080	19.91	ug/l	99
83) tert-Butylbenzene	11.77	119	212765	20.90	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	222027	20.59	ug/l	99
85) sec-Butylbenzene	11.95	105	262322	20.73	ug/l	99
86) p-Isopropyltoluene	12.07	119	234858	20.51	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	128922	20.18	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	136791	21.05	ug/l	100
89) n-Butylbenzene	12.39	91	204056	20.20	ug/l	99
90) Hexachloroethane	12.60	117	29114	18.08	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	165580	25.76	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	15420	19.94	ug/l	97

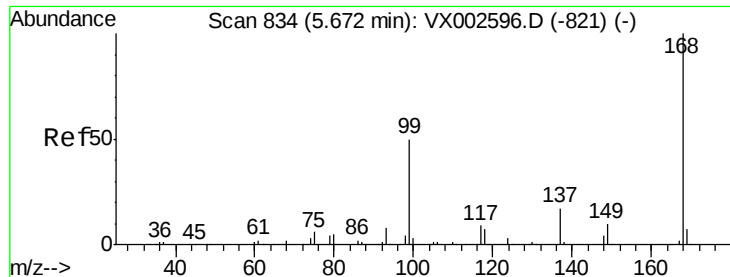
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061518\
Data File : VX002639.D
Acq On : 16 Jun 2018 11:10
Operator : JC/MD
Sample : VX0615WBS03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 18 06:09:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	93777	20.10	ug/l	99
94) Hexachlorobutadiene	13.79	225	50401	20.51	ug/l	99
95) Naphthalene	13.84	128	254735	20.29	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	94613	20.19	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :

MSVOA_X

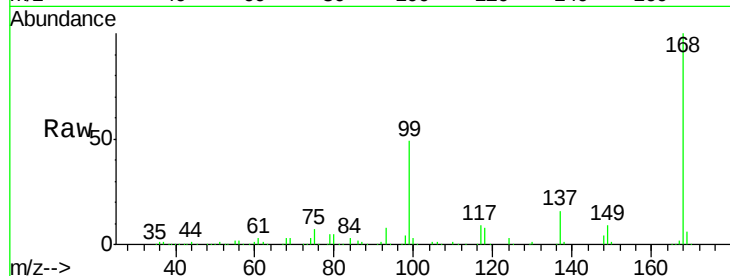
ClientSampleId :

Tot Ion:168 Resp: 223173

Ion Ratio Lower Upper

168 100

99 49.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

40000

20000

0

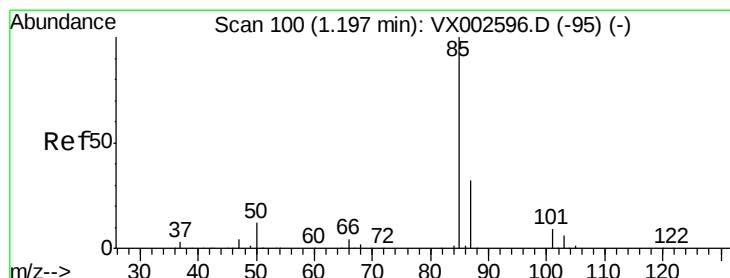
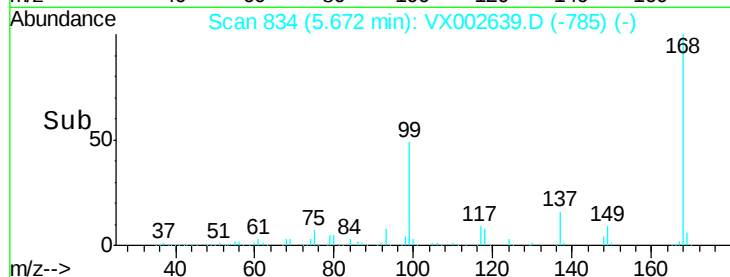
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.65 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002639.D

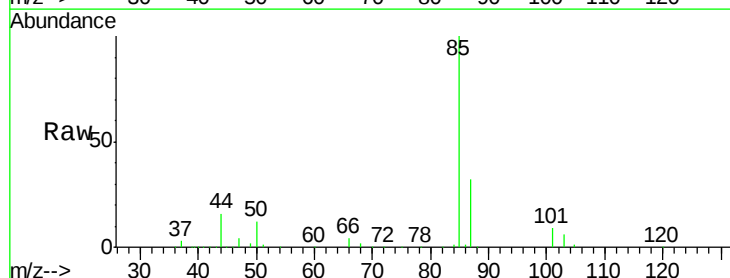
Acq: 16 Jun 2018 11:10

Tgt Ion: 85 Resp: 44185

Ion Ratio Lower Upper

85 100

87 31.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

50000

40000

30000

20000

10000

0

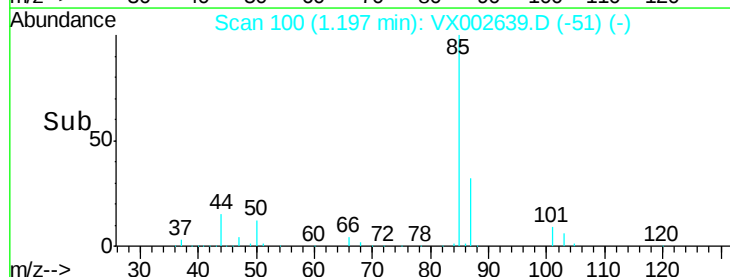
1.15

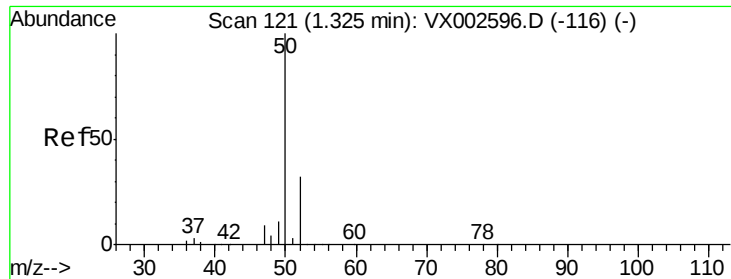
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 16.82 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

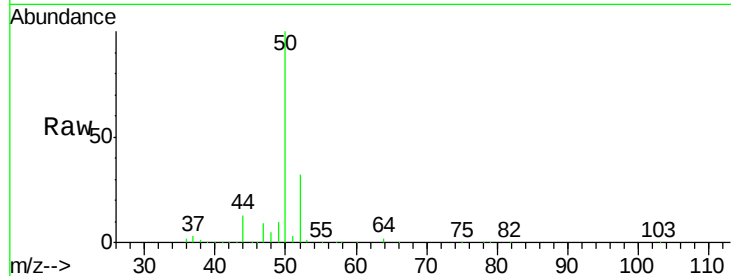
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 50 Resp: 47401

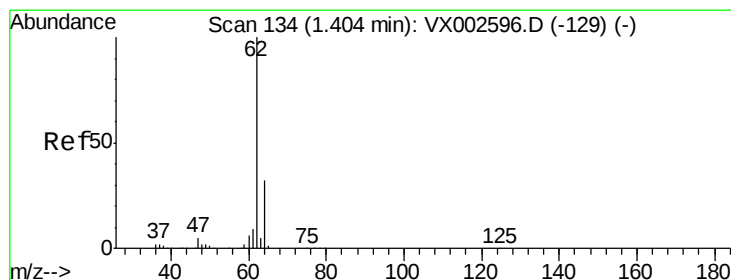
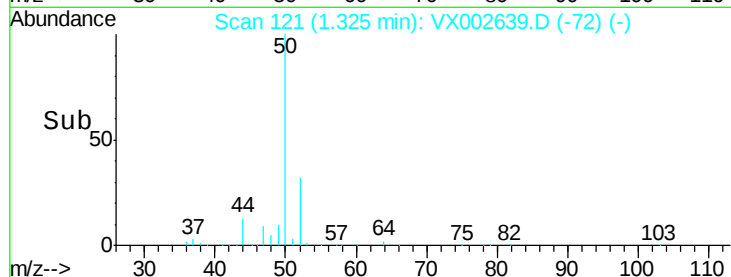
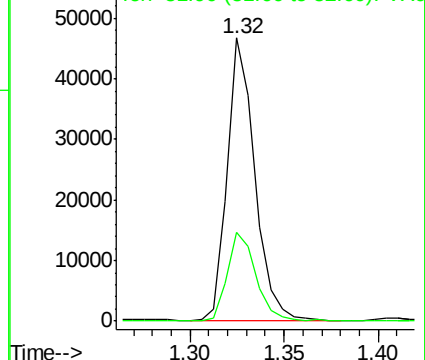
Ion Ratio Lower Upper

50 100

52 31.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0
Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.74 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002639.D

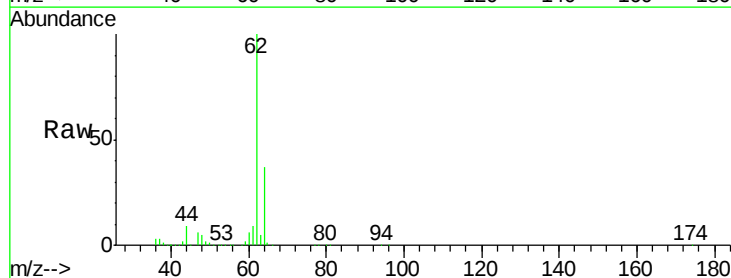
Acq: 16 Jun 2018 11:10

Tgt Ion: 62 Resp: 54798

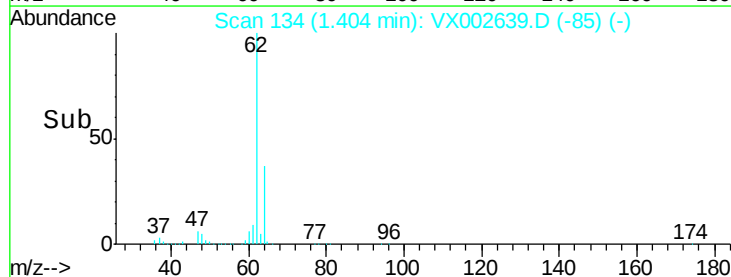
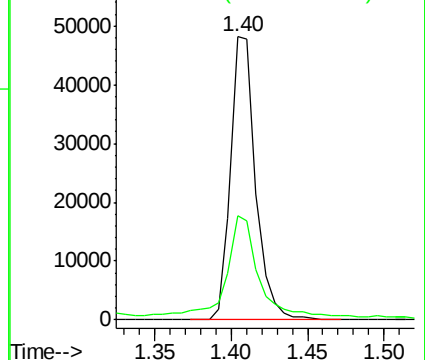
Ion Ratio Lower Upper

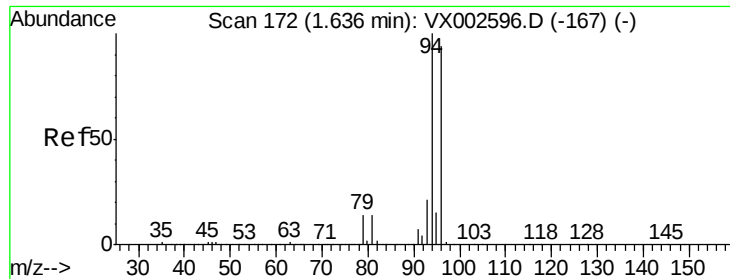
62 100

64 35.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 16.60 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :

MSVOA_X

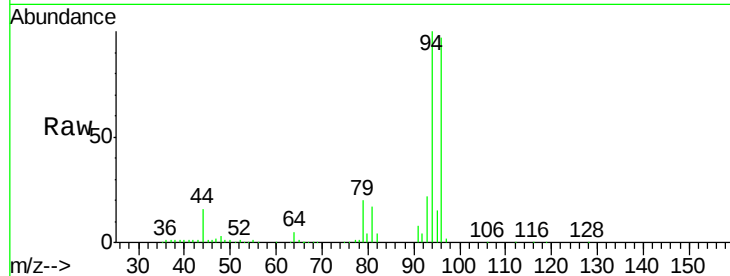
ClientSampled :

Tot Ion: 94 Resp: 29294

Ion Ratio Lower Upper

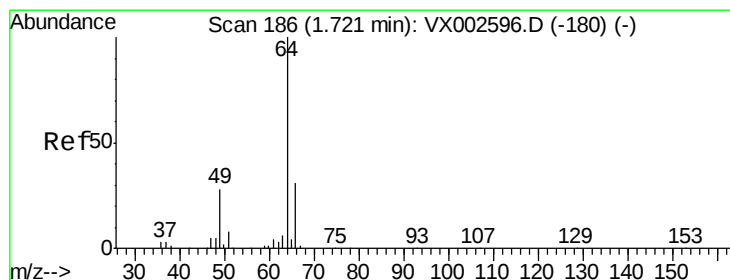
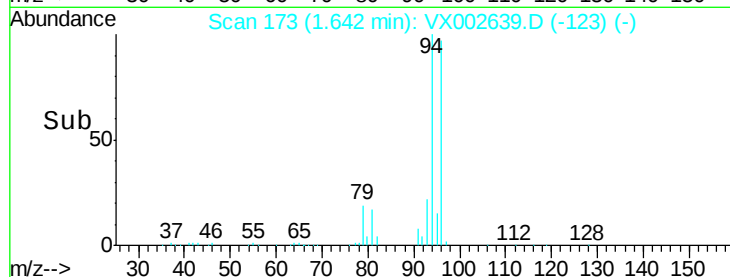
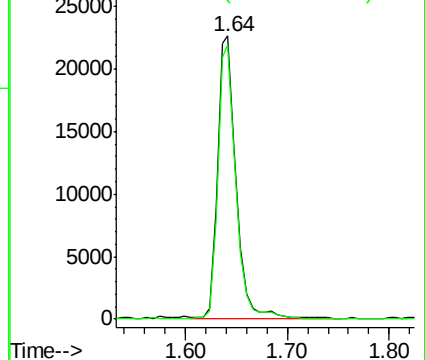
94 100

96 96.8 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.96 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002639.D

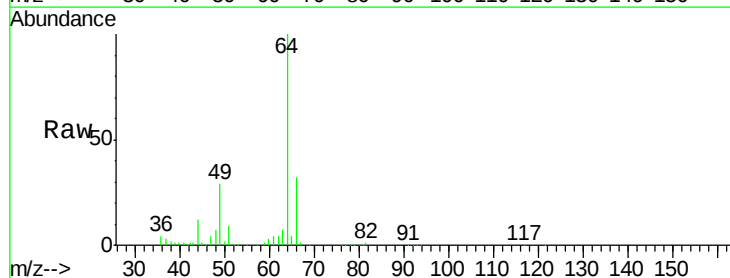
Acq: 16 Jun 2018 11:10

Tgt Ion: 64 Resp: 36547

Ion Ratio Lower Upper

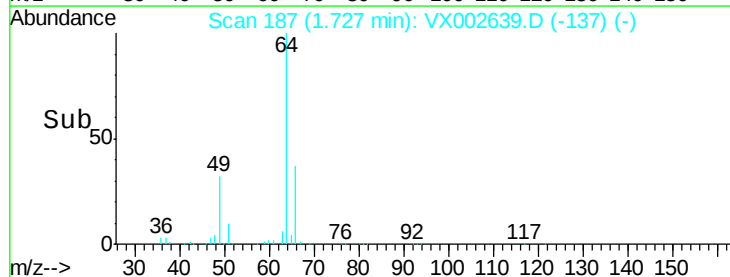
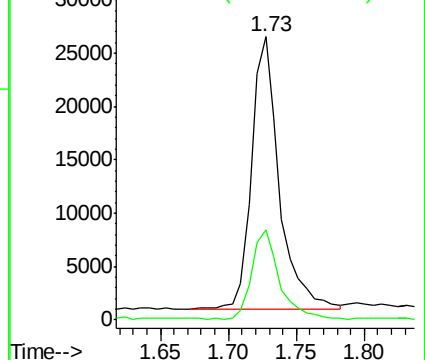
64 100

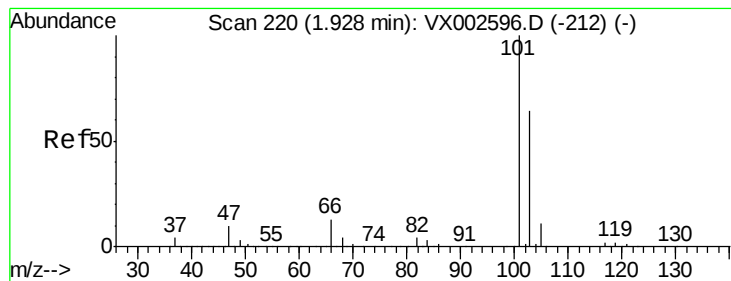
66 32.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



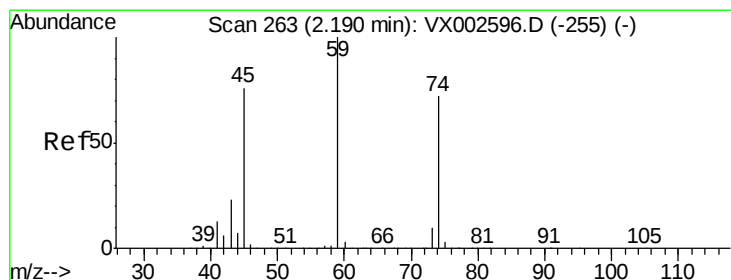
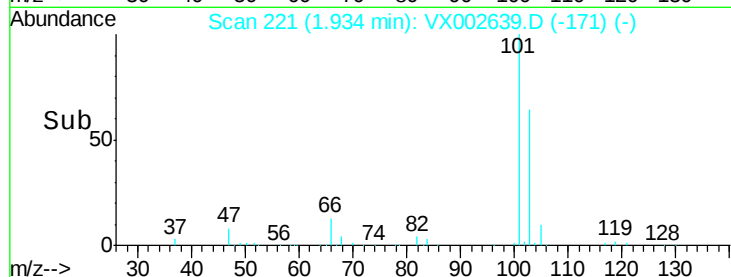
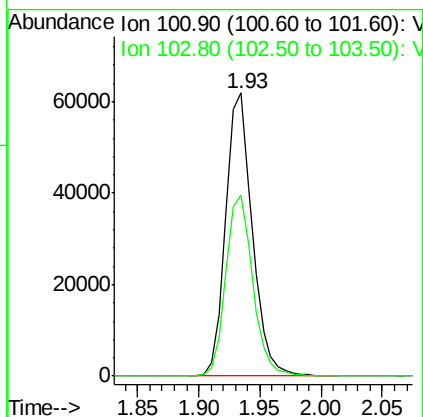
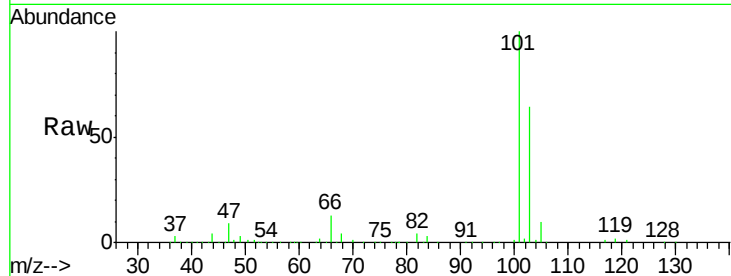


#7

Trichlorofluoromethane
Concen: 19.64 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002639.D
Acq: 16 Jun 2018 11:10

Instrument :
MSVOA_X
ClientSampleId :

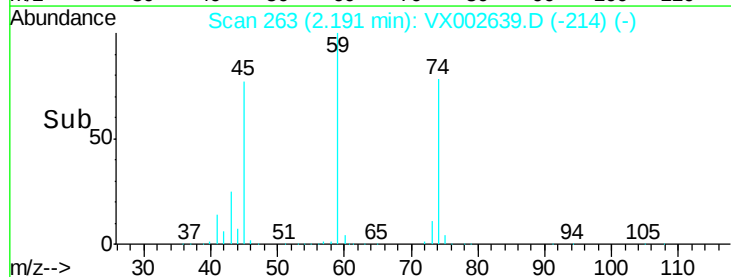
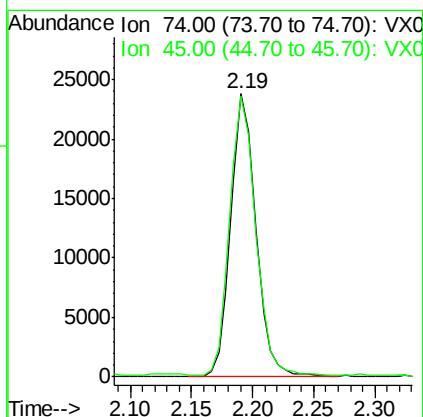
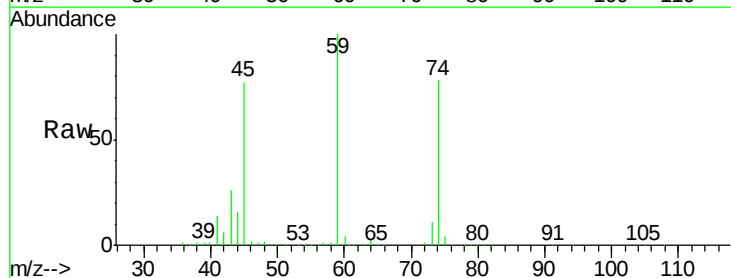
Tot Ion:101 Resp: 93338
Ion Ratio Lower Upper
101 100
103 64.1 52.8 79.2



#8

Diethyl Ether
Concen: 18.78 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002639.D
Acq: 16 Jun 2018 11:10

Tgt Ion: 74 Resp: 33945
Ion Ratio Lower Upper
74 100
45 100.9 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.54 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :

MSVOA_X

ClientSampleId :

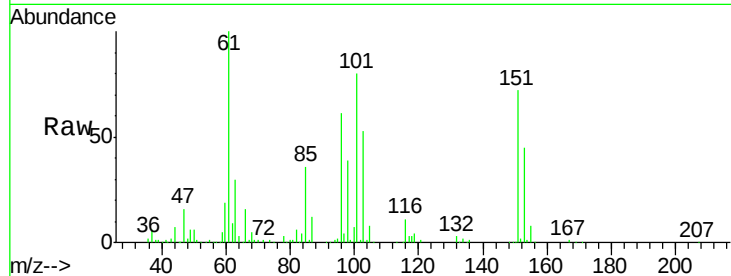
Tot Ion:101 Resp: 51906

Ion Ratio Lower Upper

101 100

85 46.4 36.0 54.0

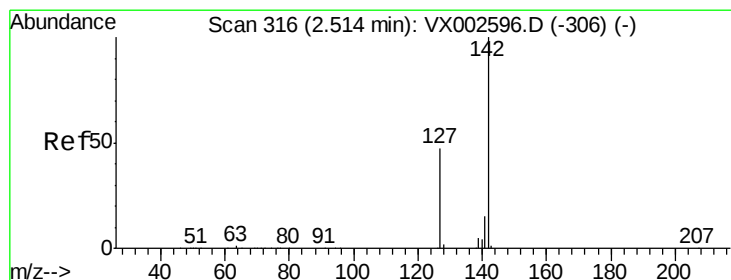
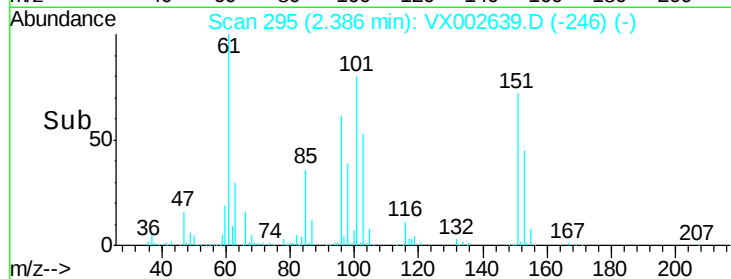
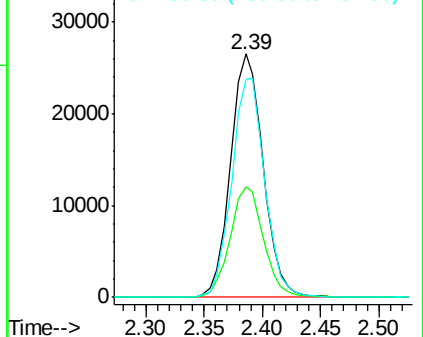
151 91.0 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.52 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

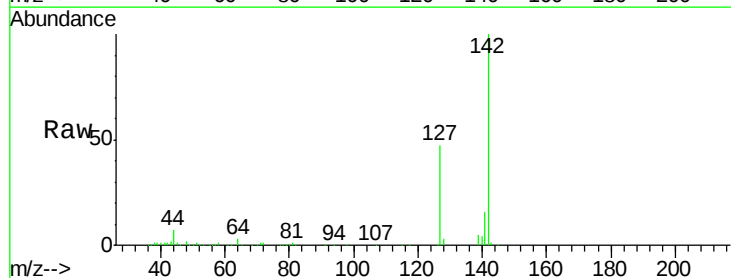
Tgt Ion:142 Resp: 45328

Ion Ratio Lower Upper

142 100

127 46.8 36.6 55.0

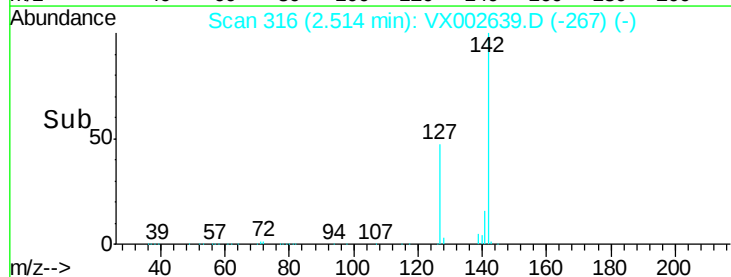
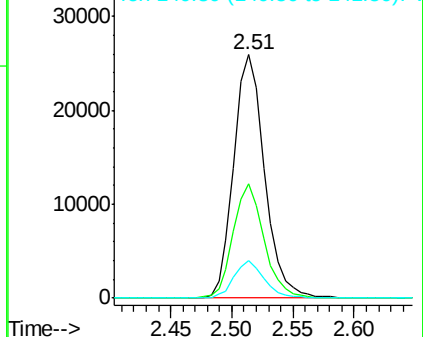
141 15.0 11.3 16.9

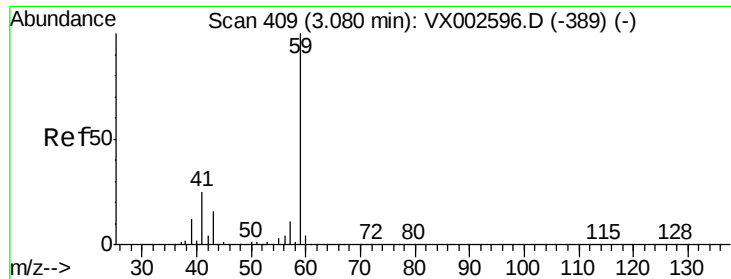


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



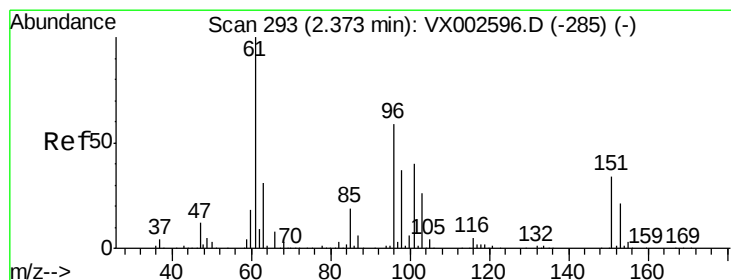
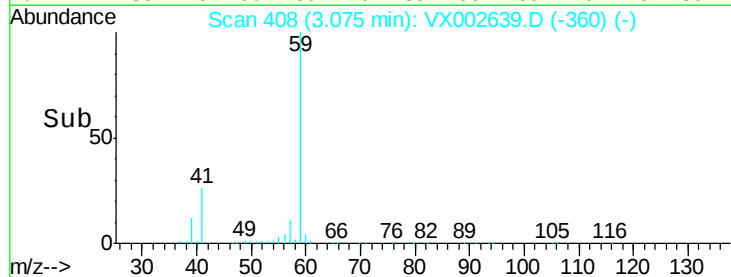
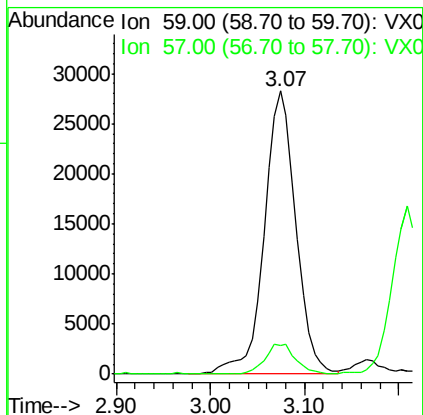
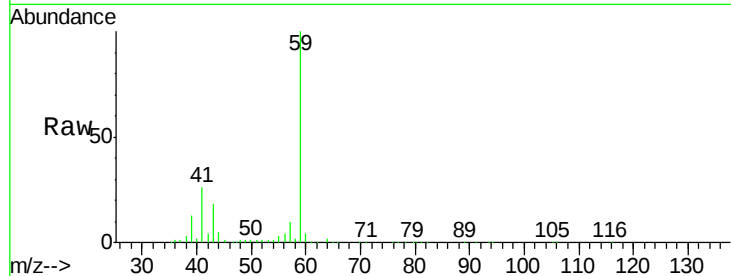


#11

Tert butyl alcohol
Concen: 94.83 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002639.D
Acq: 16 Jun 2018 11:10

Instrument :
MSVOA_X
ClientSampleId :

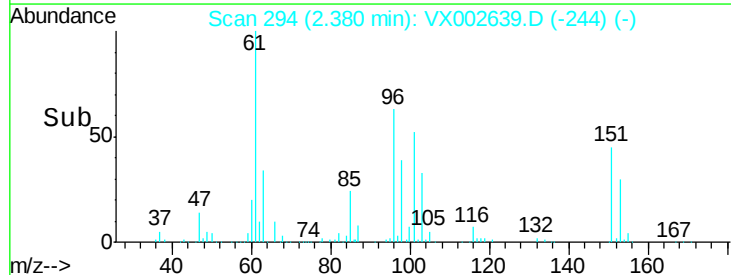
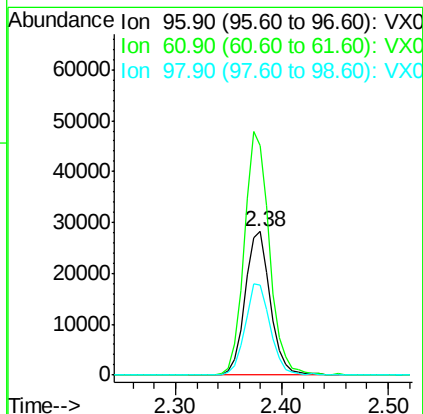
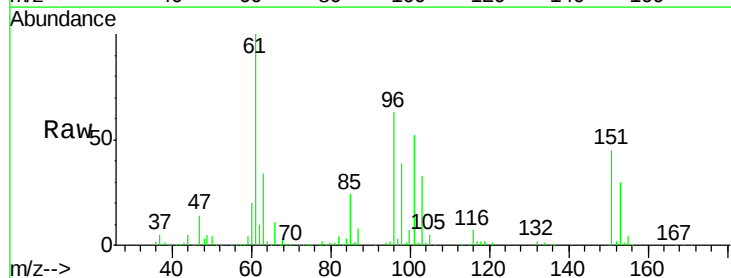
Tot Ion: 59 Resp: 66482
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2

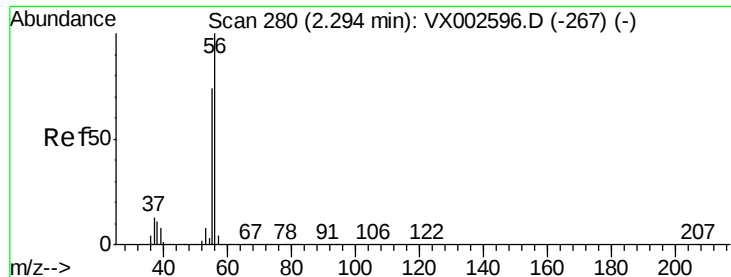


#12

1,1-Dichloroethene
Concen: 18.83 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX002639.D
Acq: 16 Jun 2018 11:10

Tgt Ion: 96 Resp: 46949
Ion Ratio Lower Upper
96 100
61 159.7 137.9 206.9
98 62.5 51.6 77.4





#13

Acrolein

Concen: 81.64 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

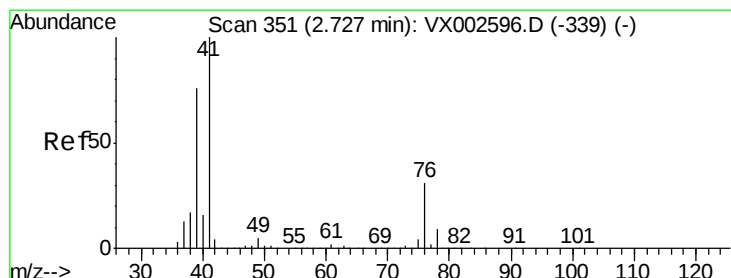
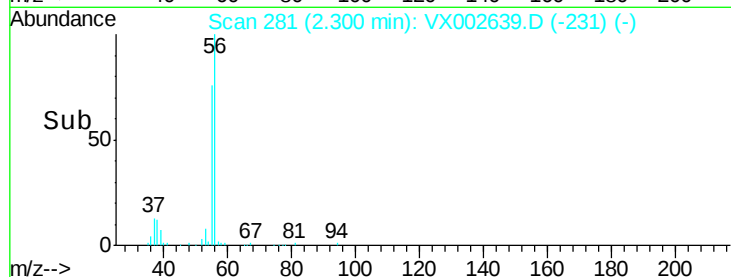
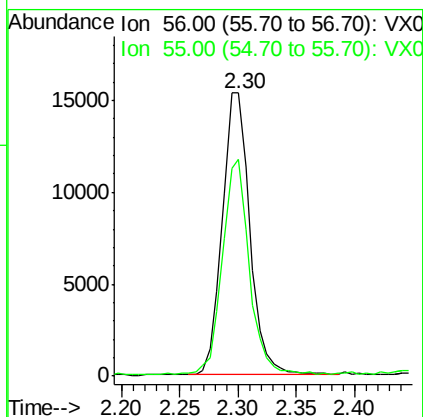
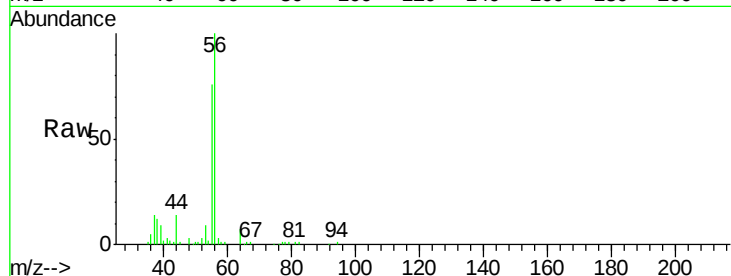
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 25270

Ion Ratio Lower Upper

56 100

55 74.8 57.0 85.4



#14

Allyl chloride

Concen: 18.47 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

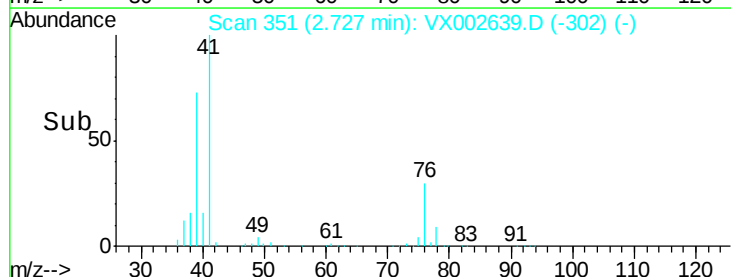
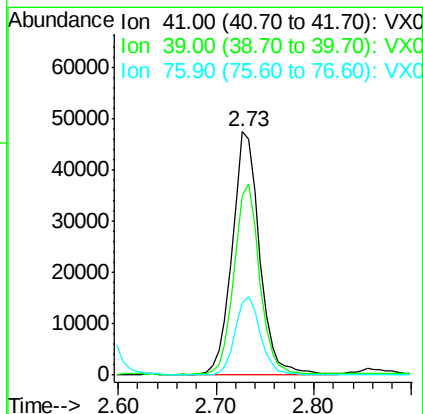
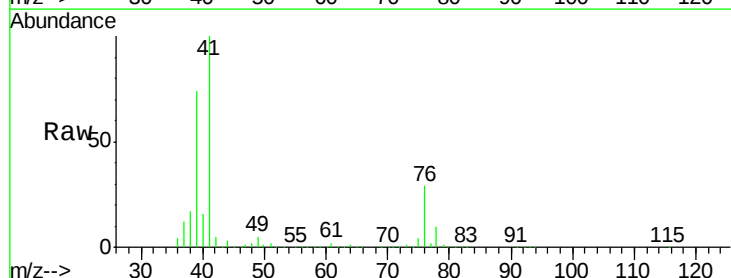
Tgt Ion: 41 Resp: 91447

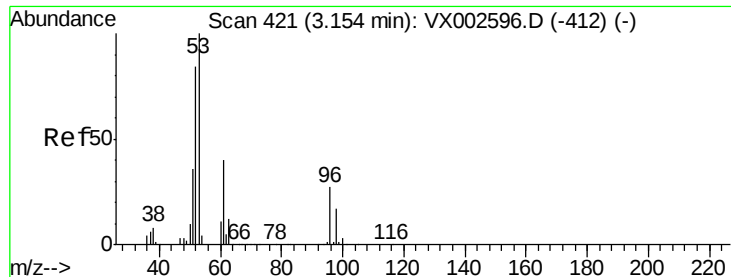
Ion Ratio Lower Upper

41 100

39 73.7 56.8 85.2

76 30.2 23.8 35.8





#15

Acrylonitrile

Concen: 91.27 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :
MSVOA_X
ClientSampled :

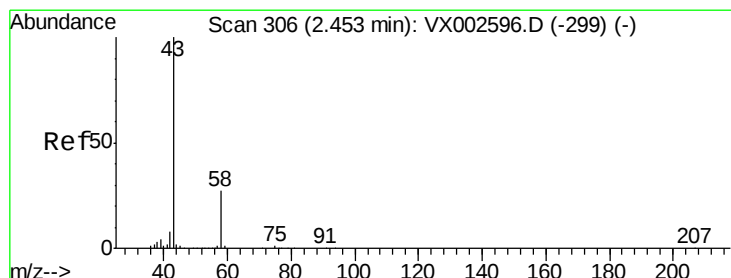
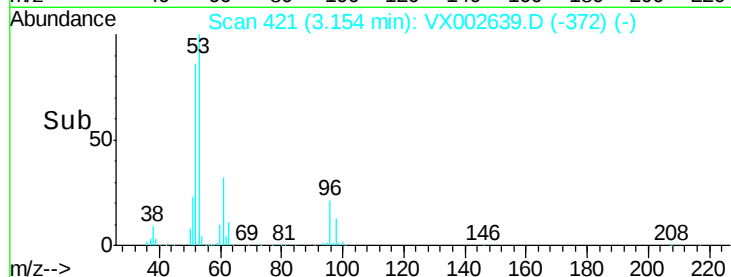
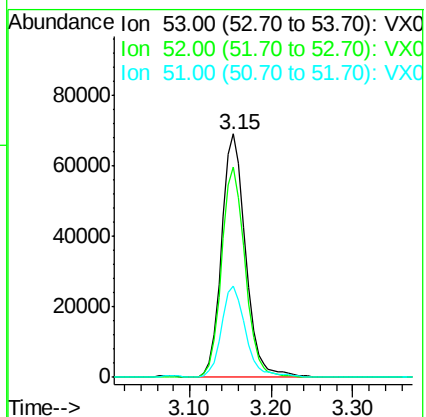
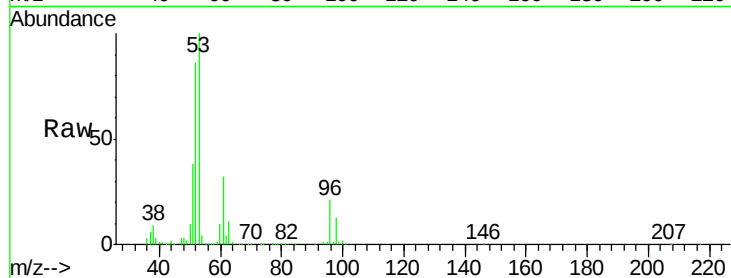
Tot Ion: 53 Resp: 139627

Ion Ratio Lower Upper

53 100

52 84.8 66.7 100.1

51 38.1 29.9 44.9



#16

Acetone

Concen: 109.60 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002639.D

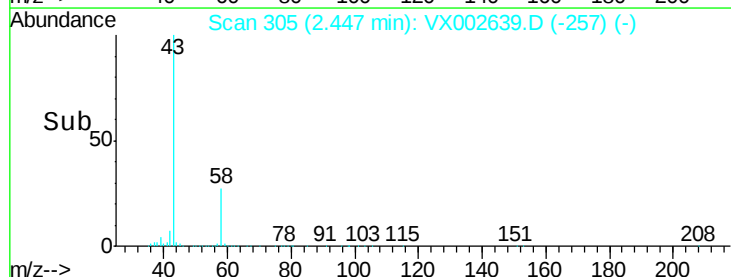
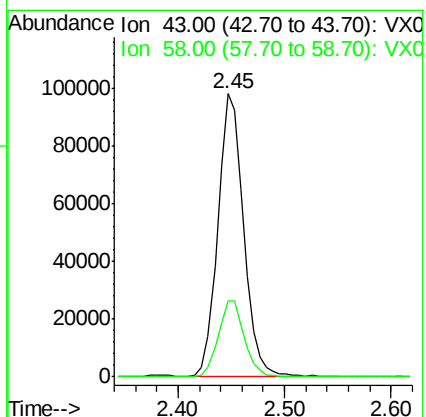
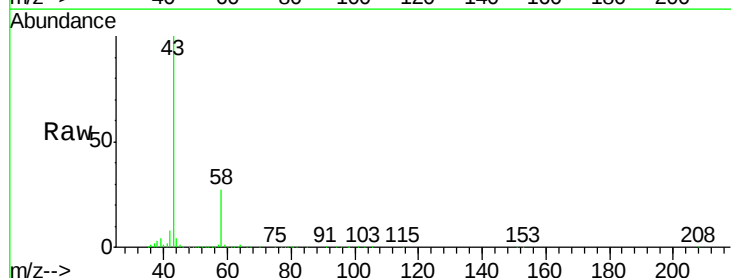
Acq: 16 Jun 2018 11:10

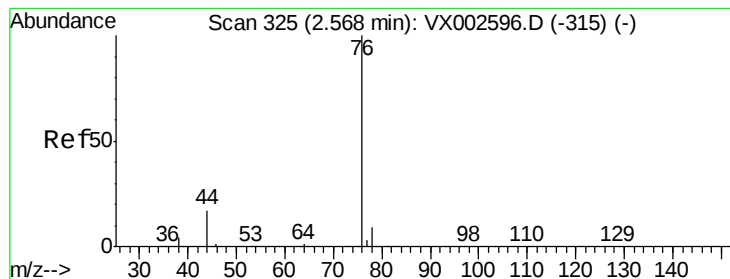
Tgt Ion: 43 Resp: 163993

Ion Ratio Lower Upper

43 100

58 27.0 22.1 33.1





#17

Carbon Disulfide

Concen: 18.69 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :

MSVOA_X

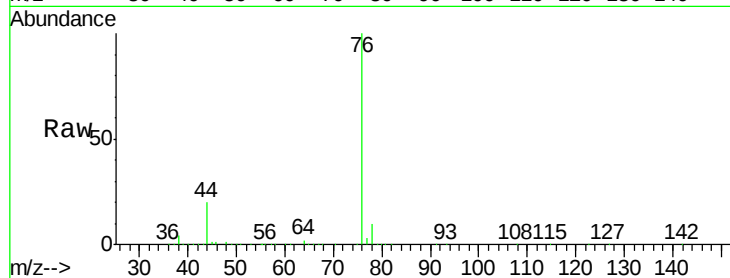
ClientSampleId :

Tot Ion: 76 Resp: 110556

Ion Ratio Lower Upper

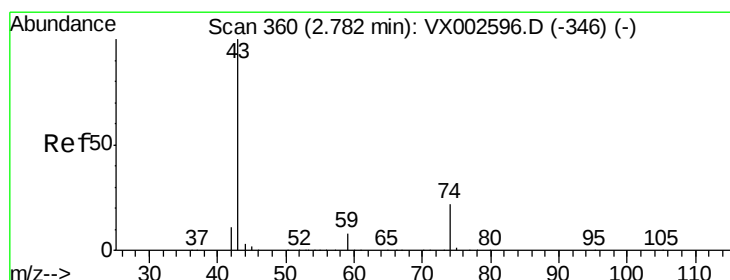
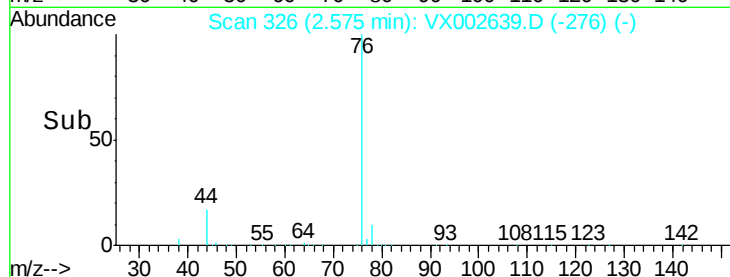
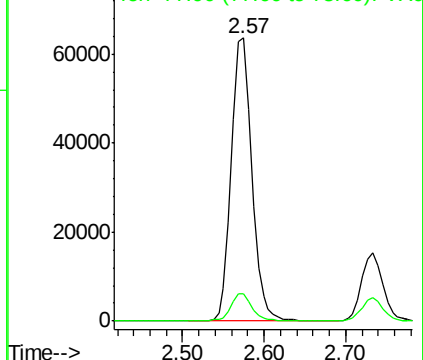
76 100

78 9.5 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 18.73 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002639.D

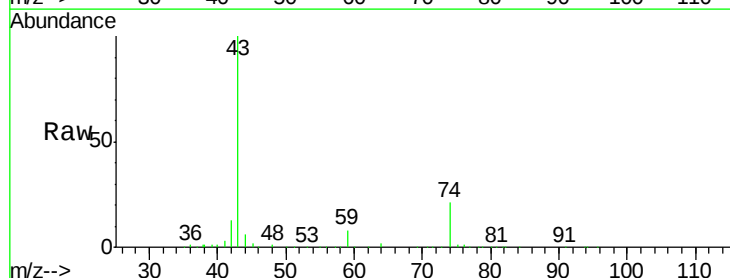
Acq: 16 Jun 2018 11:10

Tgt Ion: 43 Resp: 74643

Ion Ratio Lower Upper

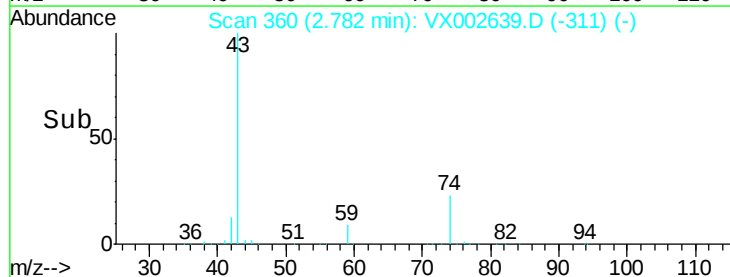
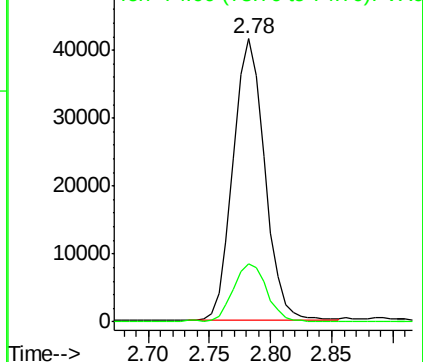
43 100

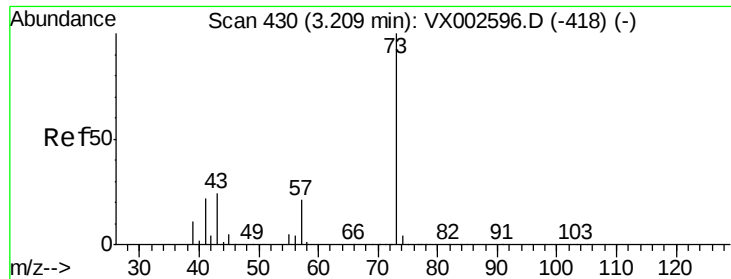
74 22.5 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



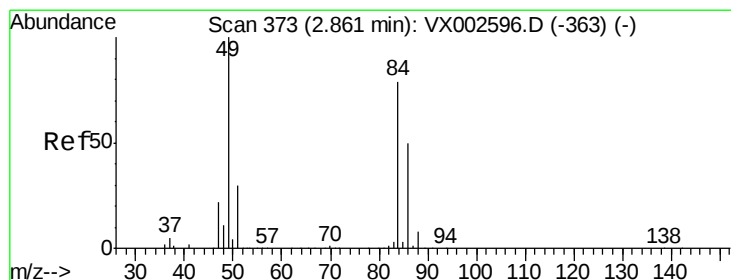
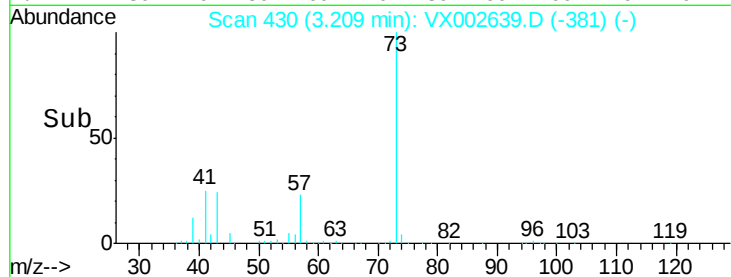
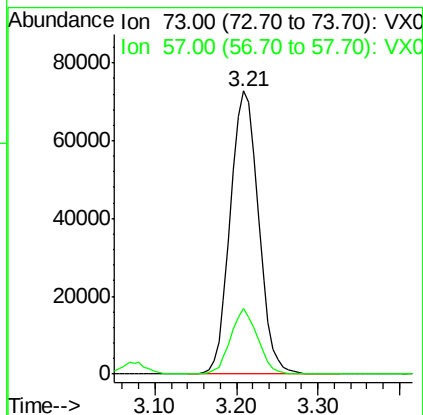
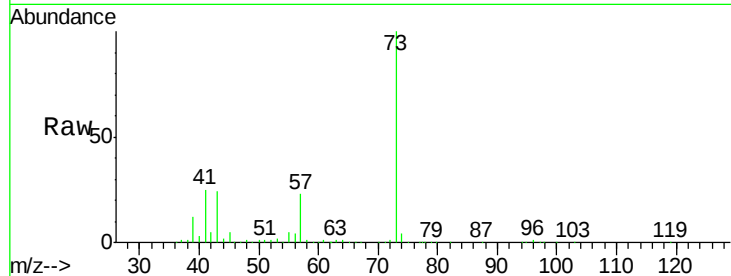


#19

Methyl tert-butyl Ether
 Concen: 18.60 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX002639.D
 Acq: 16 Jun 2018 11:10

Instrument :
 MSVOA_X
 ClientSampled :

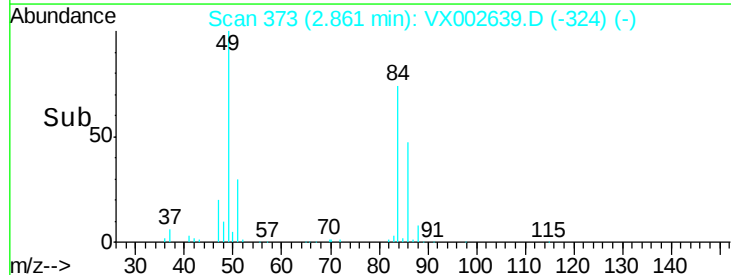
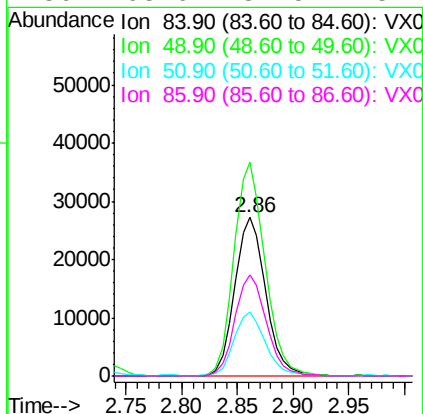
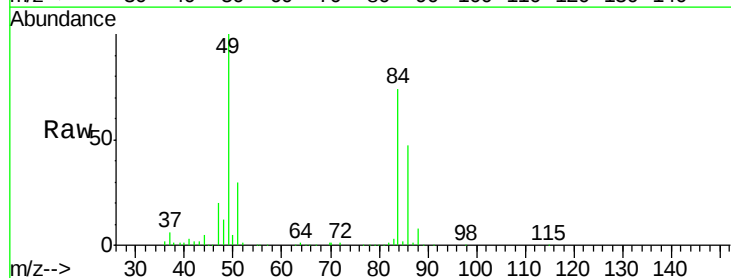
Tot Ion: 73 Resp: 174008
 Ion Ratio Lower Upper
 73 100
 57 22.9 17.7 26.5

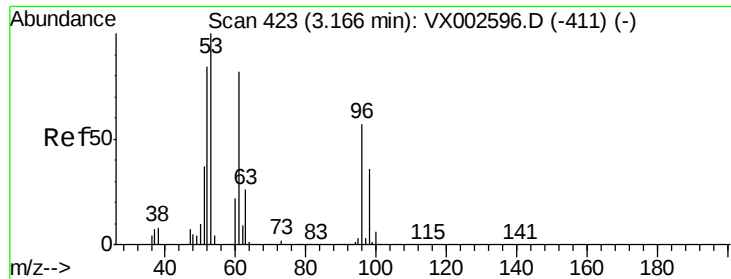


#20

Methylene Chloride
 Concen: 17.08 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX002639.D
 Acq: 16 Jun 2018 11:10

Tgt Ion: 84 Resp: 52396
 Ion Ratio Lower Upper
 84 100
 49 134.6 107.8 161.6
 51 40.2 32.8 49.2
 86 63.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 18.67 ug/l

RT: 3.17 min Scan# 423

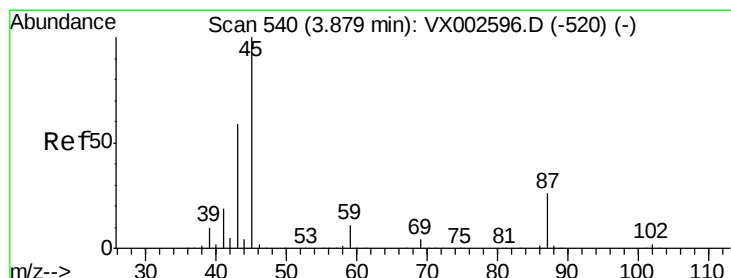
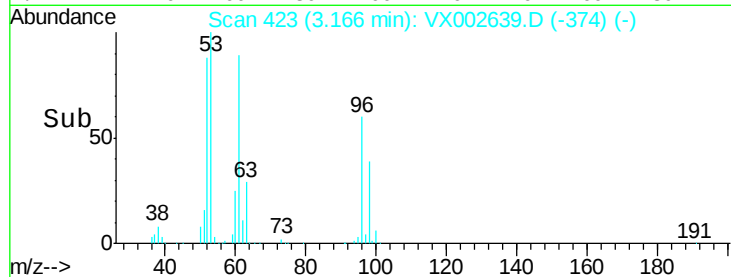
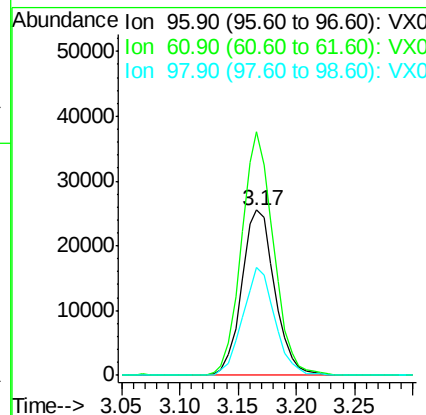
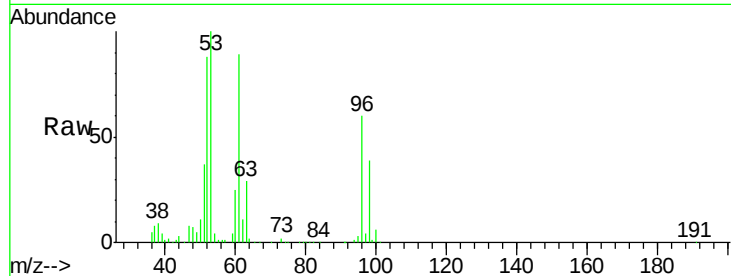
Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	96	Resp:	50503
Ion	Ratio	Lower	Upper
96	100		
61	147.2	117.0	175.4
98	65.5	52.4	78.6



#22

Diisopropyl ether

Concen: 18.61 ug/l

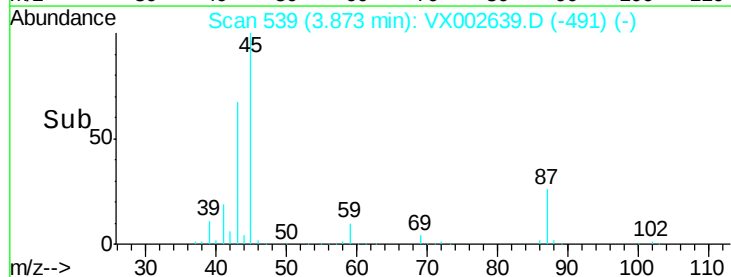
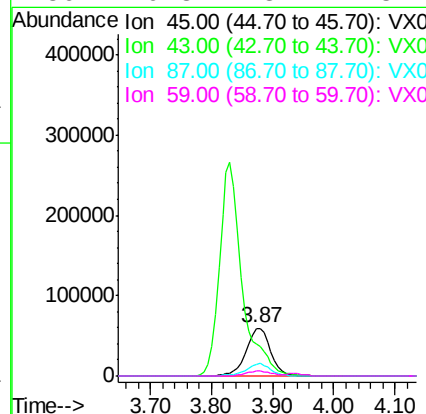
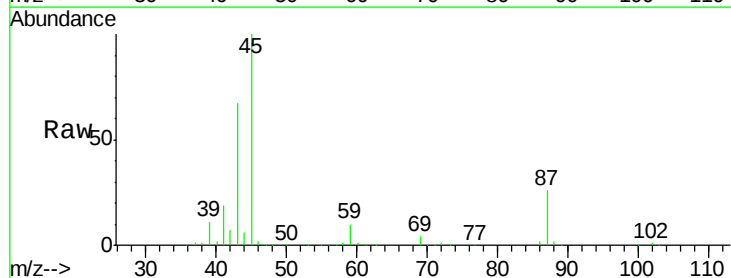
RT: 3.87 min Scan# 539

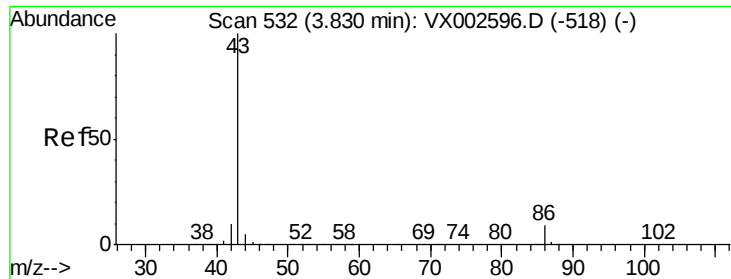
Delta R.T. -0.01 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Tgt Ion:	45	Resp:	166682
Ion	Ratio	Lower	Upper
45	100		
43	67.0	46.8	70.2
87	25.5	20.2	30.4
59	10.3	8.7	13.1





#23

Vinyl Acetate

Concen: 92.22 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :

MSVOA_X

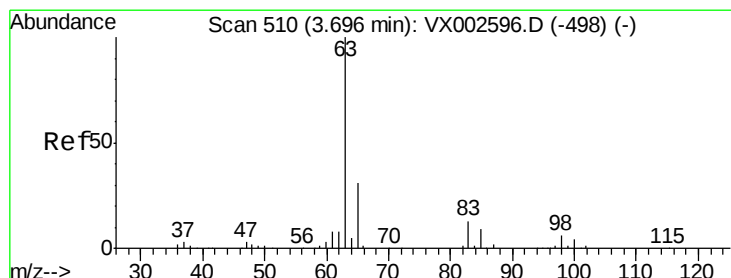
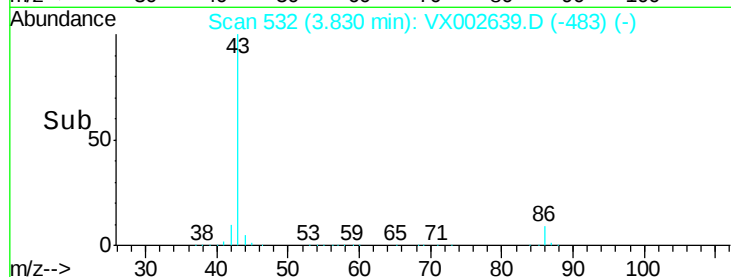
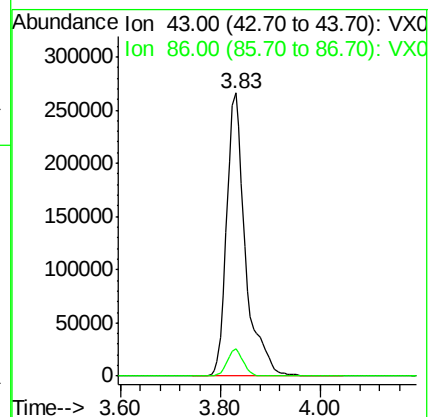
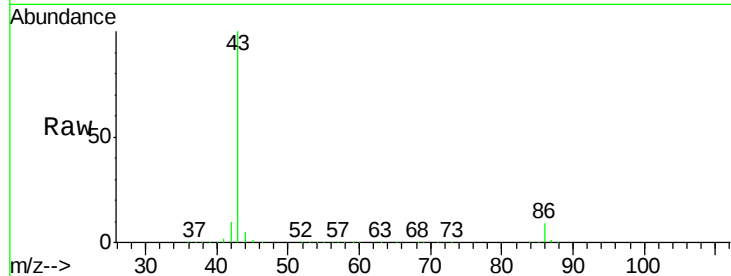
ClientSampled :

Tot Ion: 43 Resp: 691452

Ion Ratio Lower Upper

43 100

86 9.5 7.4 11.0



#24

1,1-Dichloroethane

Concen: 19.84 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

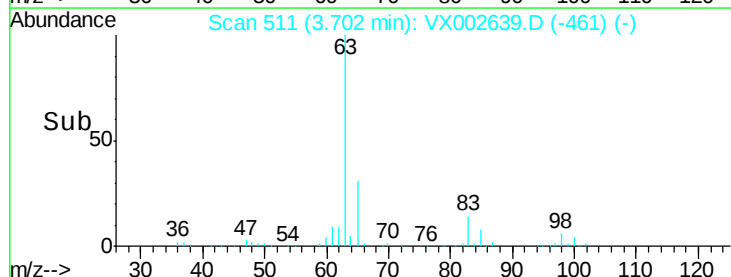
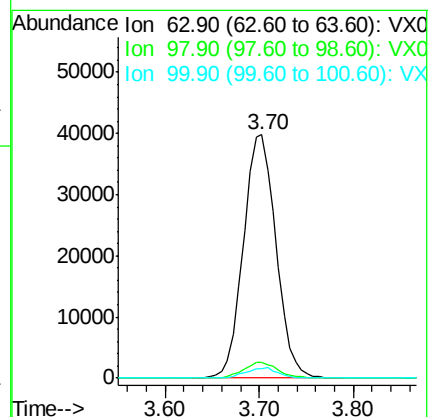
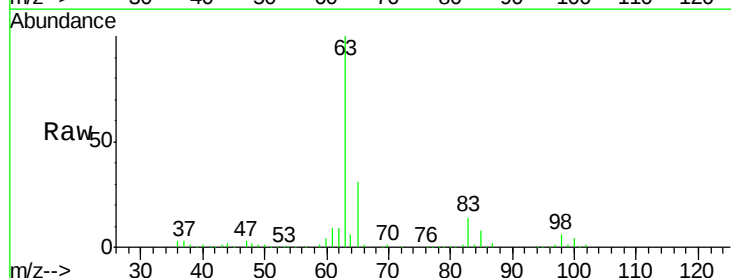
Tgt Ion: 63 Resp: 96466

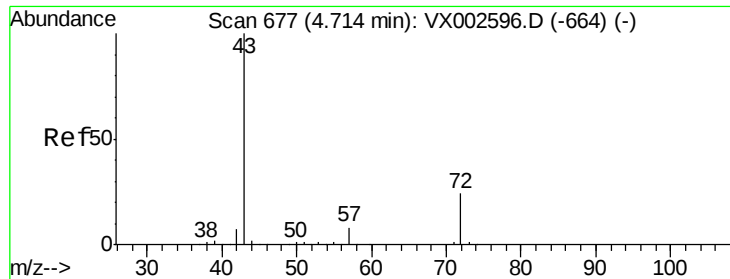
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 100.46 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :

MSVOA_X

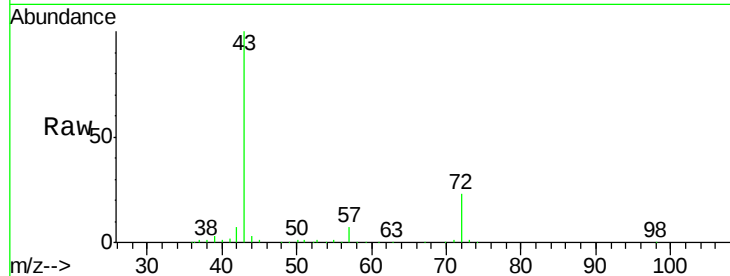
ClientSampleId :

Tot Ion: 43 Resp: 197395

Ion Ratio Lower Upper

43 100

72 23.0 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

80000

60000

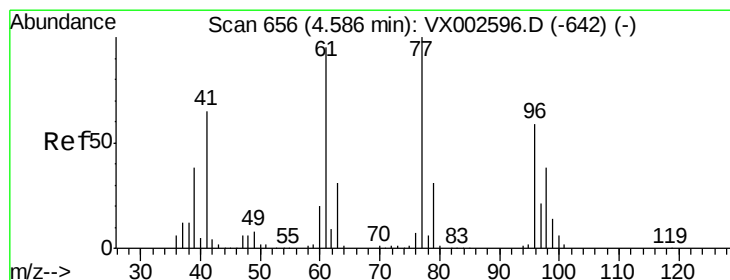
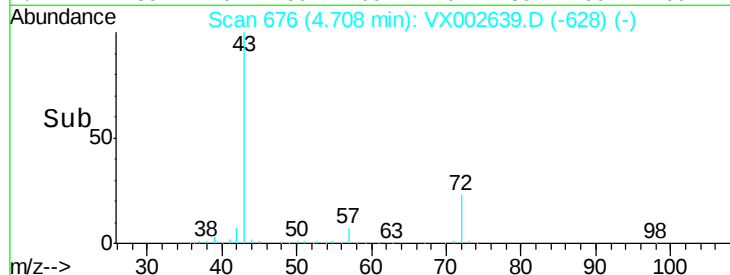
40000

20000

0

Time-->

4.60 4.70 4.80



#26

2,2-Dichloropropane

Concen: 19.28 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002639.D

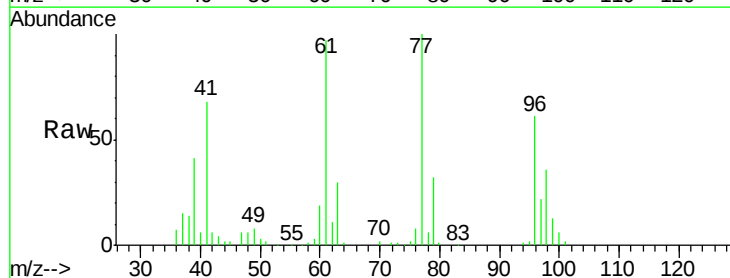
Acq: 16 Jun 2018 11:10

Tgt Ion: 77 Resp: 67361

Ion Ratio Lower Upper

77 100

97 23.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

25000

20000

15000

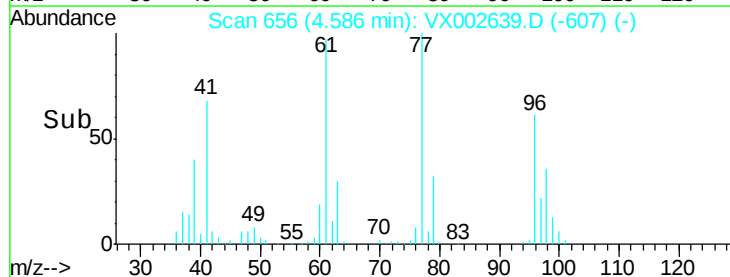
10000

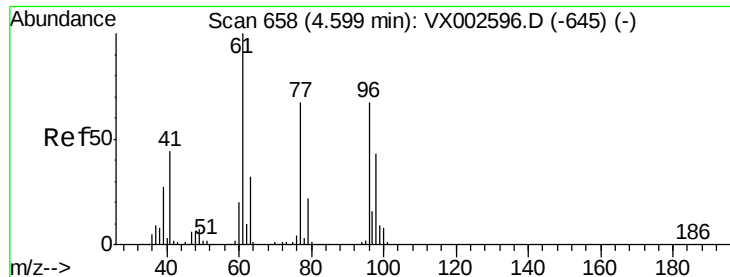
5000

0

Time-->

4.50 4.60 4.70



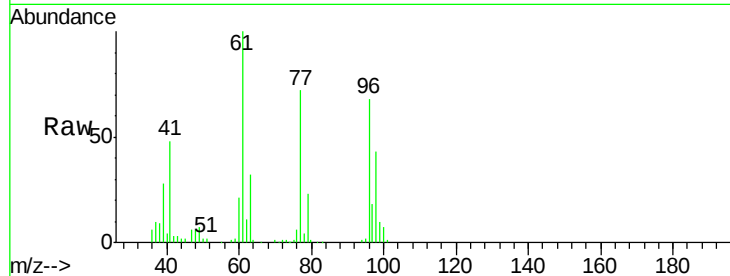


#27

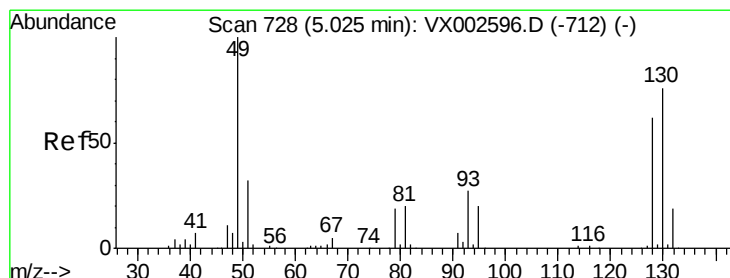
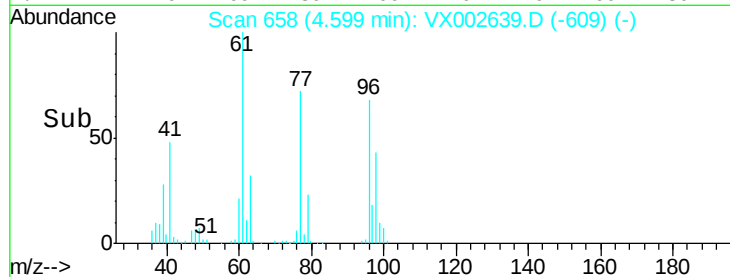
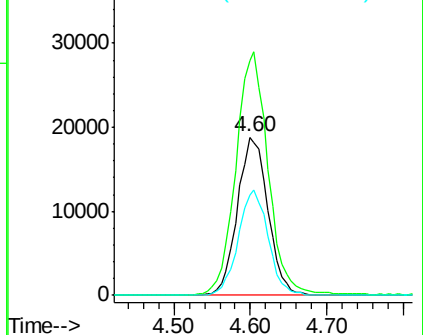
cis-1,2-Dichloroethene
Concen: 19.03 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX002639.D
Acq: 16 Jun 2018 11:10

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	96	Resp	52376
Ion	Ratio	Lower	Upper
96	100		
61	162.7	0.0	330.2
98	65.2	0.0	130.2



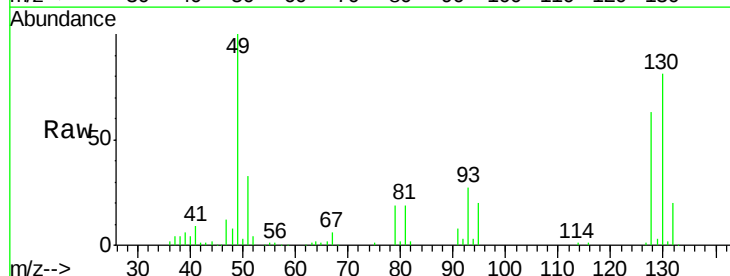
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



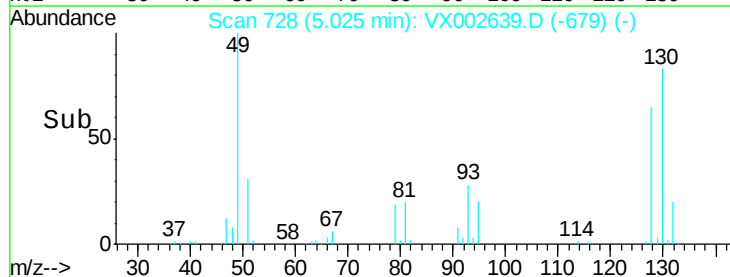
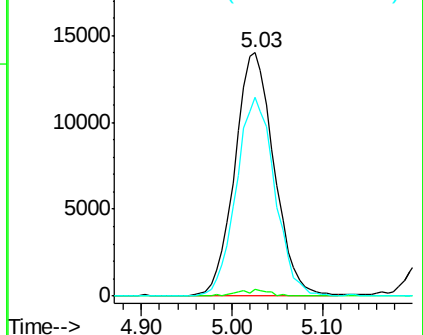
#28

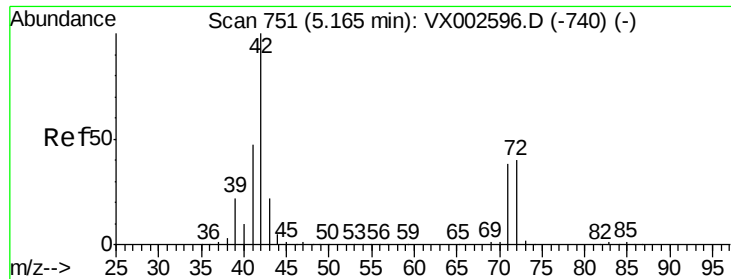
Bromochloromethane
Concen: 18.52 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002639.D
Acq: 16 Jun 2018 11:10

Tgt Ion	49	Resp	42163
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	80.0	61.2	91.8



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

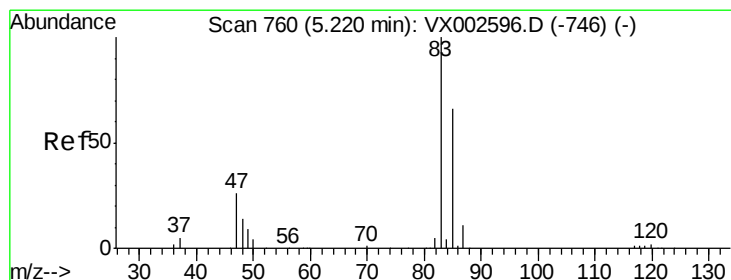
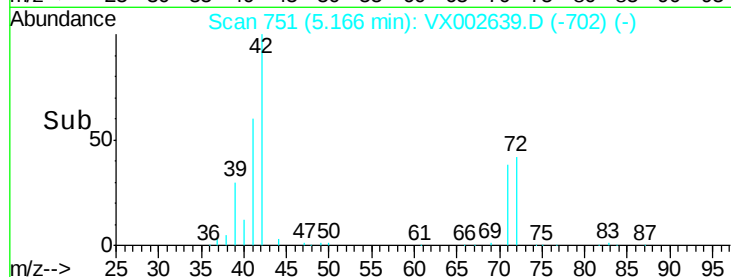
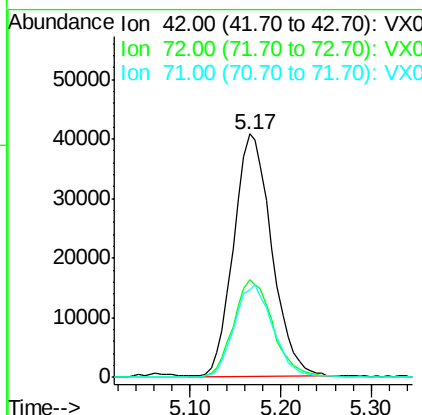
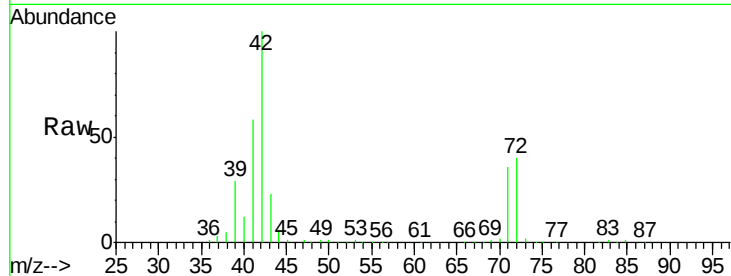




#29
Tetrahydrofuran
Concen: 92.21 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX002639.D
Acq: 16 Jun 2018 11:10

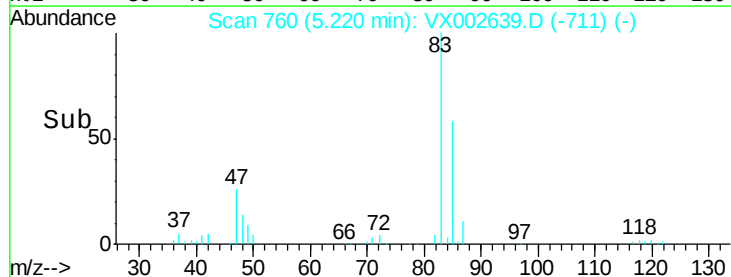
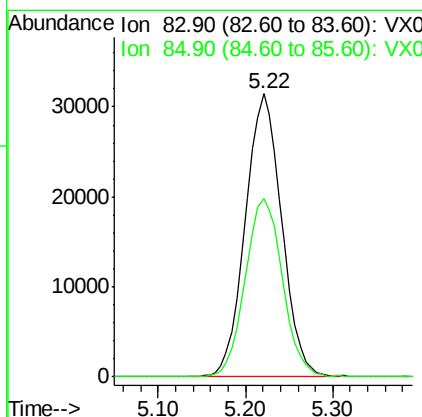
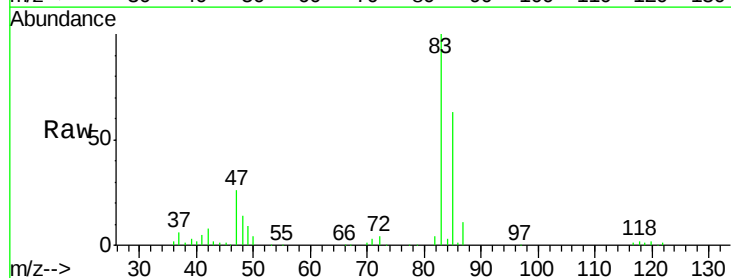
Instrument :
MSVOA_X
ClientSampled :

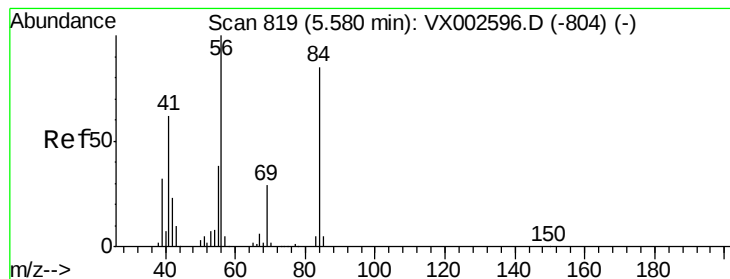
Tot Ion: 42 Resp: 118747
Ion Ratio Lower Upper
42 100
72 42.0 32.0 48.0
71 39.1 30.1 45.1



#30
Chloroform
Concen: 19.43 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002639.D
Acq: 16 Jun 2018 11:10

Tgt Ion: 83 Resp: 91096
Ion Ratio Lower Upper
83 100
85 62.9 50.4 75.6





#31

Cyclohexane

Concen: 19.56 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :
MSVOA_X
ClientSampleId :

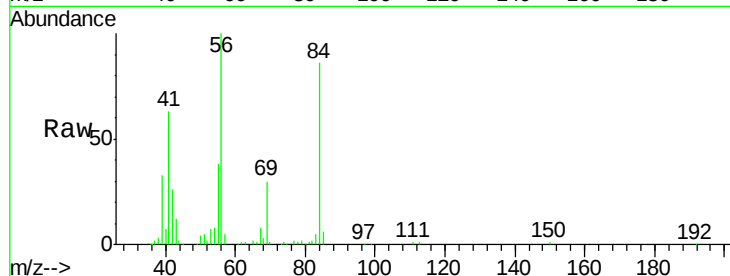
Tot Ion: 56 Resp: 78301

Ion Ratio Lower Upper

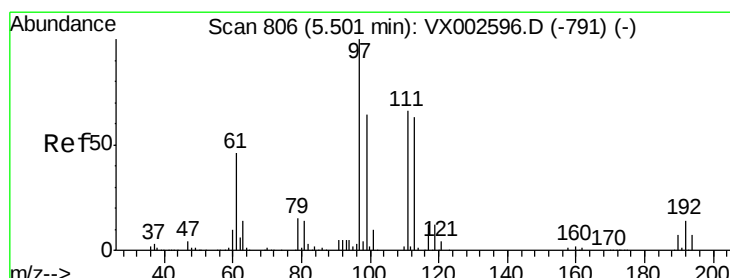
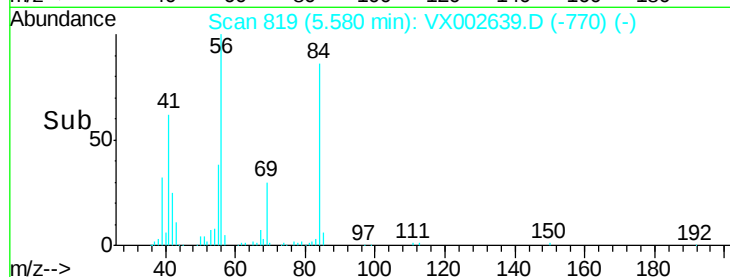
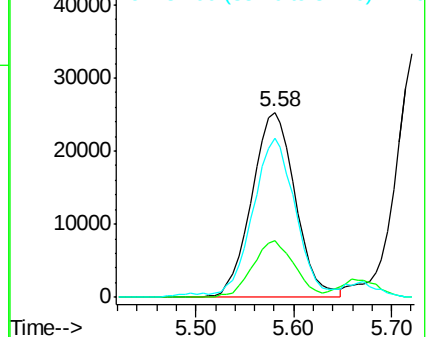
56 100

69 30.3 23.7 35.5

84 83.5 64.1 96.1



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.93 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

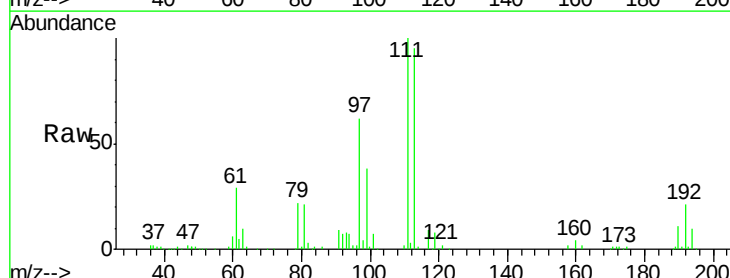
Tgt Ion: 97 Resp: 78169

Ion Ratio Lower Upper

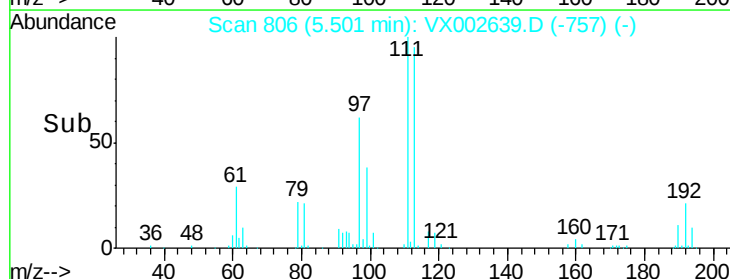
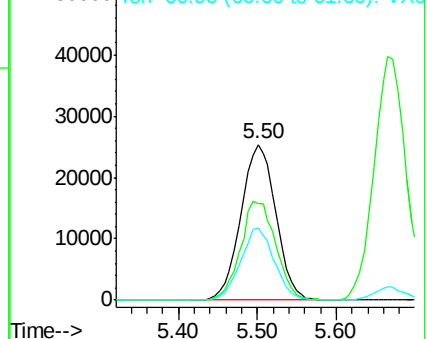
97 100

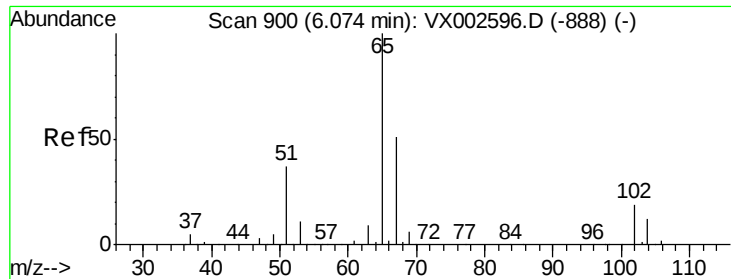
99 64.0 51.6 77.4

61 44.8 36.4 54.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

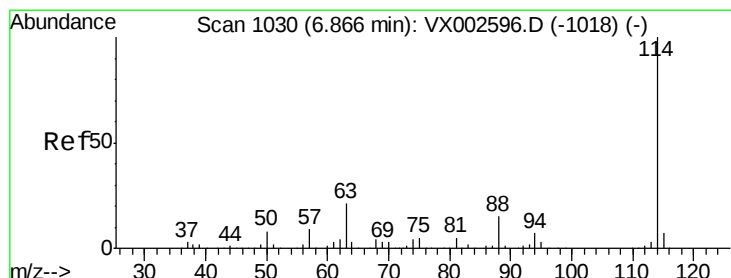
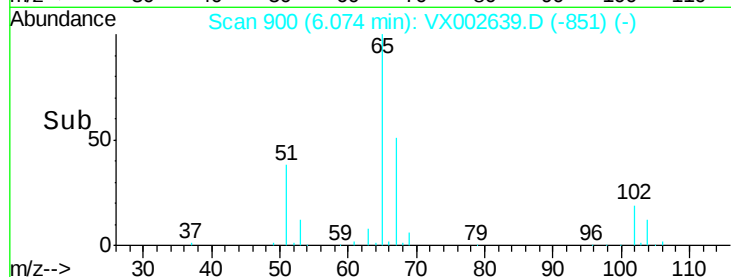
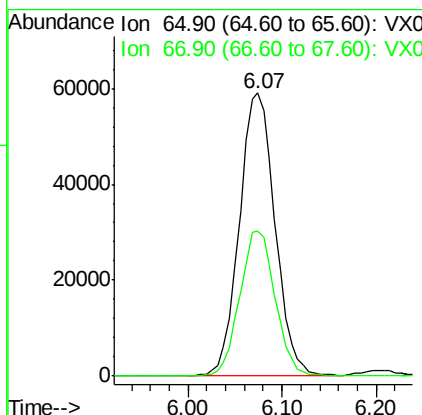
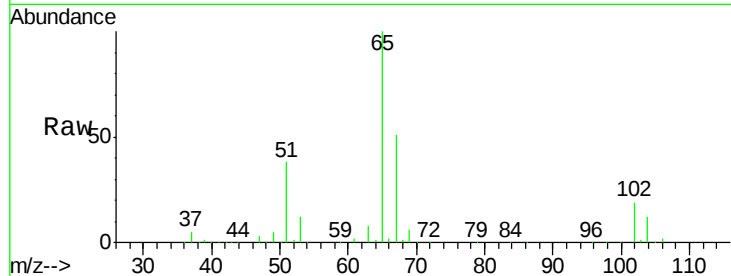




#33
 1,2-Dichloroethane-d4
 Concen: 46.12 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002639.D
 Acq: 16 Jun 2018 11:10

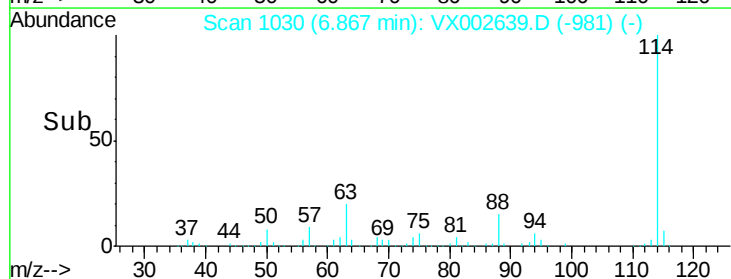
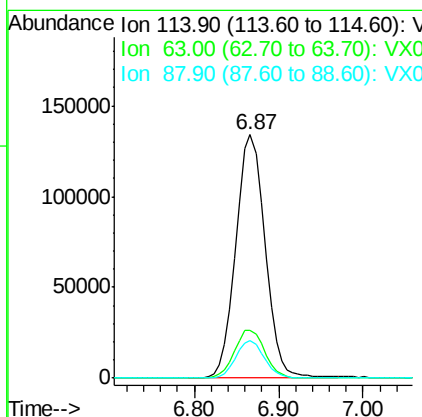
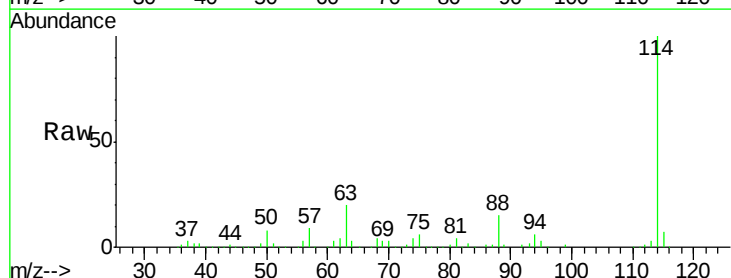
Instrument :
 MSVOA_X
 ClientSampleId :

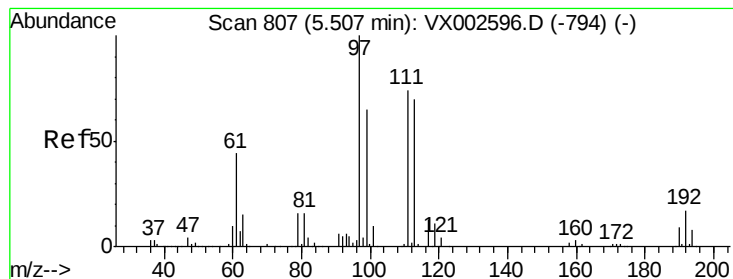
Tot Ion: 65 Resp: 156424
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002639.D
 Acq: 16 Jun 2018 11:10

Tgt Ion: 114 Resp: 315513
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.4
 88 15.2 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.18 ug/l

RT: 5.51 min Scan# 807

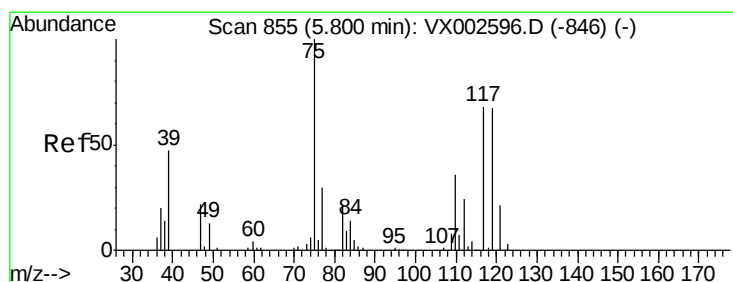
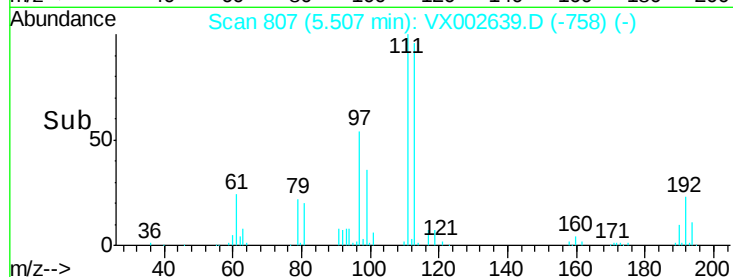
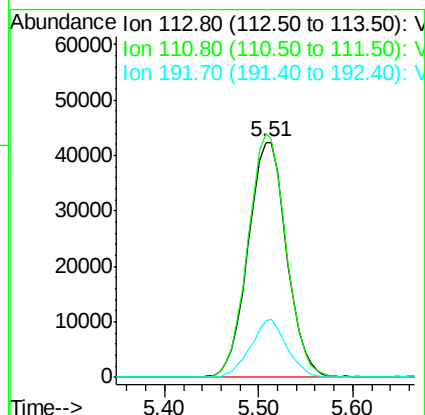
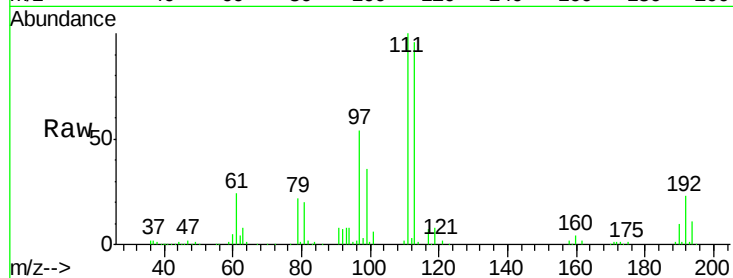
Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:113	Resp:	121320
Ion Ratio	Lower	Upper
113	100	
111	102.7	81.4 122.0
192	23.2	19.1 28.7



#36

1,1-Dichloropropene

Concen: 19.67 ug/l

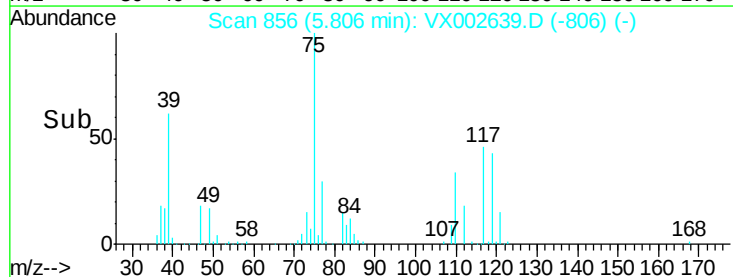
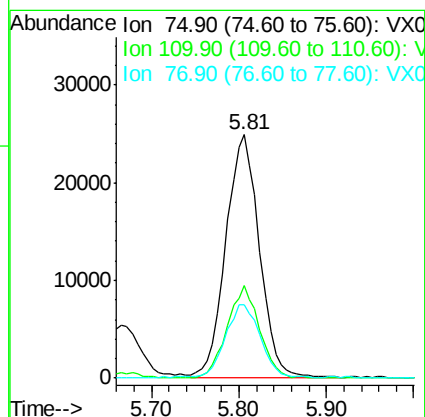
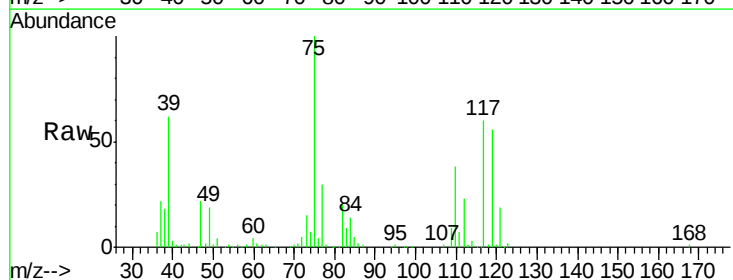
RT: 5.81 min Scan# 855

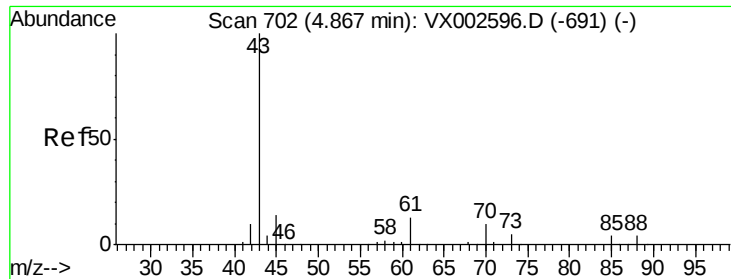
Delta R.T. 0.01 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Tgt Ion: 75	Resp:	65897
Ion Ratio	Lower	Upper
75	100	
110	36.7	18.1 54.4
77	32.0	24.3 36.5

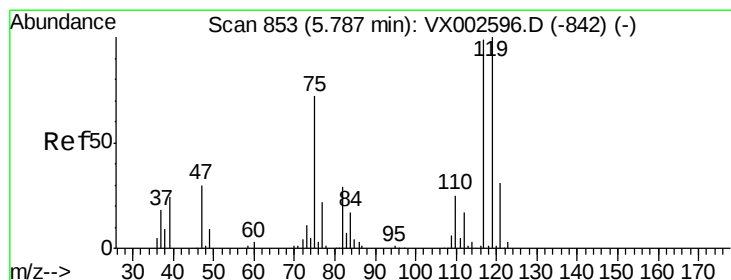
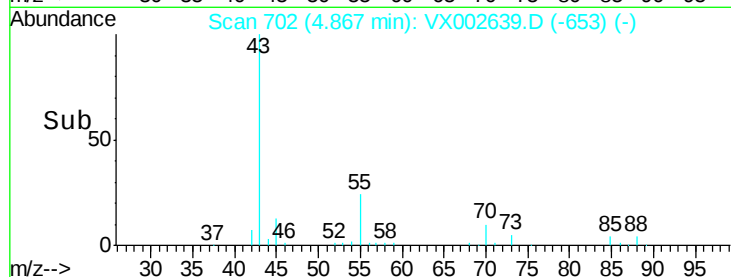
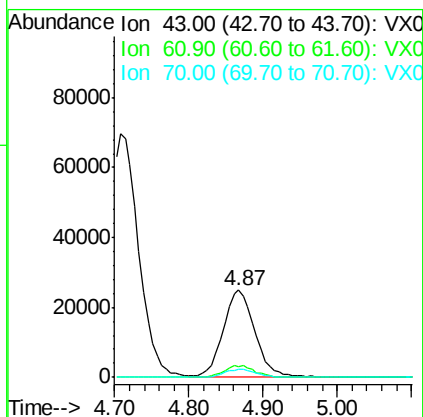
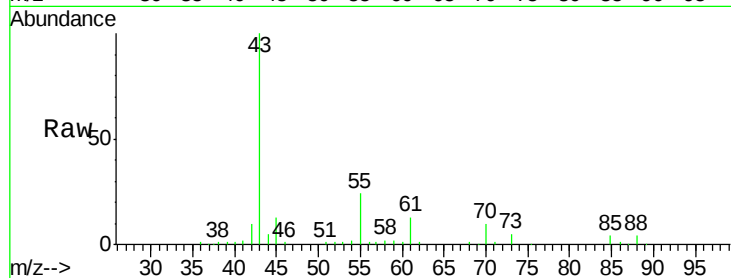




#37
Ethyl Acetate
Concen: 19.35 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX002639.D
Acq: 16 Jun 2018 11:10

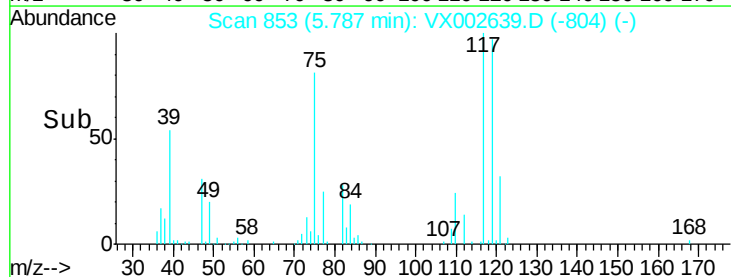
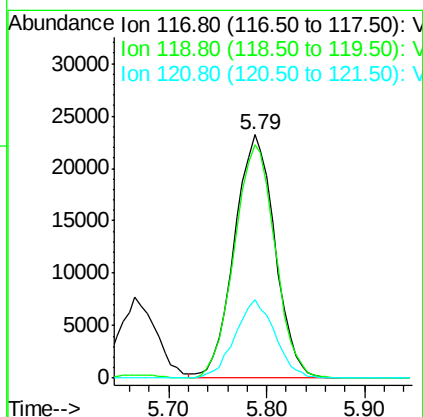
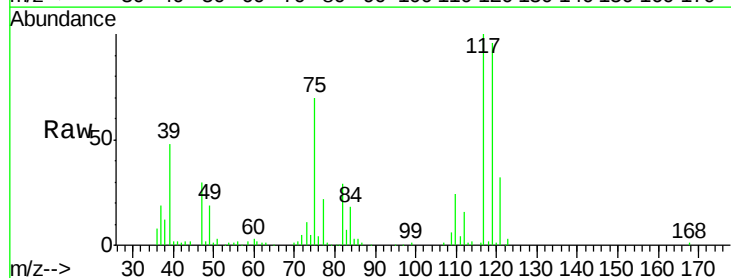
Instrument :
MSVOA_X
ClientSampled :

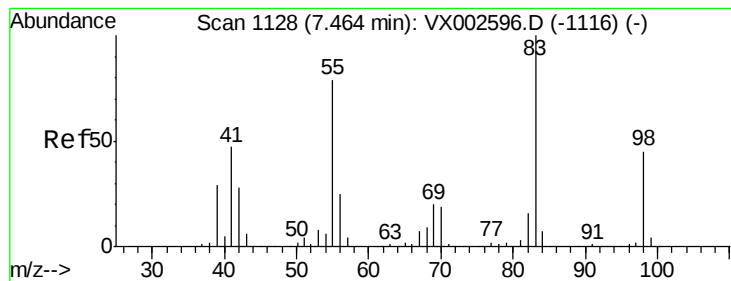
Tot Ion: 43 Resp: 73395
Ion Ratio Lower Upper
43 100
61 12.9 10.4 15.6
70 9.7 7.6 11.4



#38
Carbon Tetrachloride
Concen: 20.05 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002639.D
Acq: 16 Jun 2018 11:10

Tgt Ion: 117 Resp: 66890
Ion Ratio Lower Upper
117 100
119 95.9 77.4 116.0
121 32.0 24.4 36.6





#39

Methvlcvclohexane

Concen: 20.42 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :

MSVOA_X

ClientSampled :

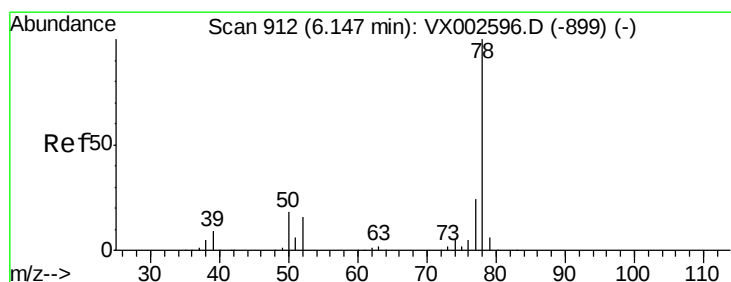
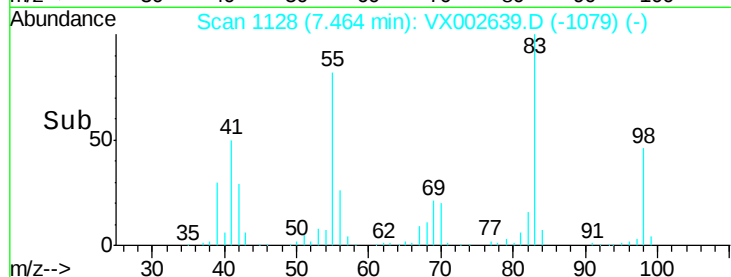
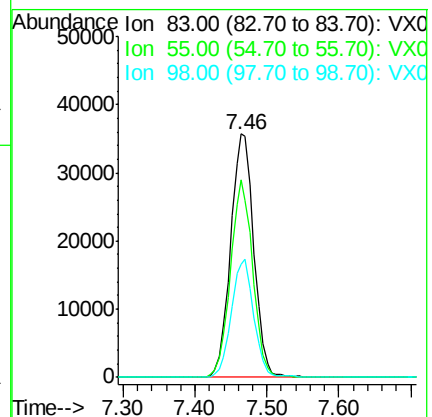
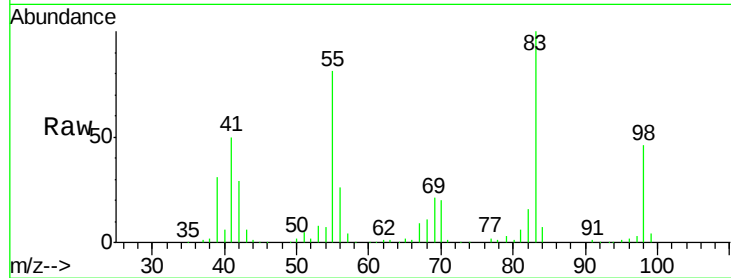
Tot Ion: 83 Resp: 80011

Ion Ratio Lower Upper

83 100

55 81.4 65.4 98.0

98 46.4 37.4 56.0



#40

Benzene

Concen: 19.48 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.00 min

Lab File: VX002639.D

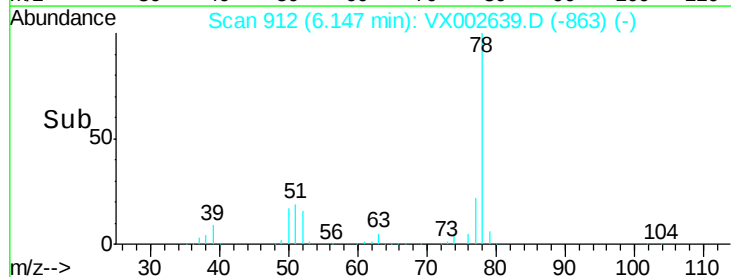
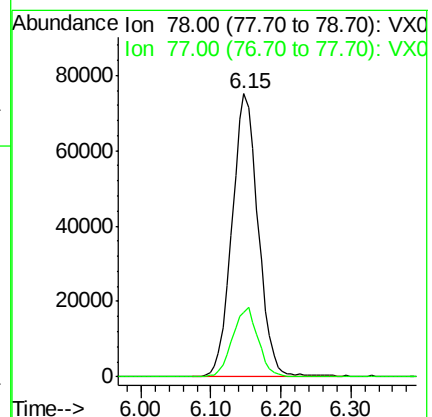
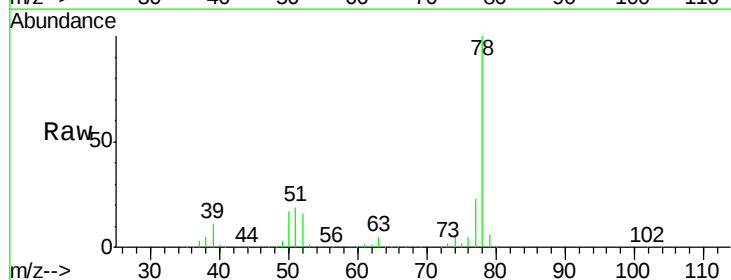
Acq: 16 Jun 2018 11:10

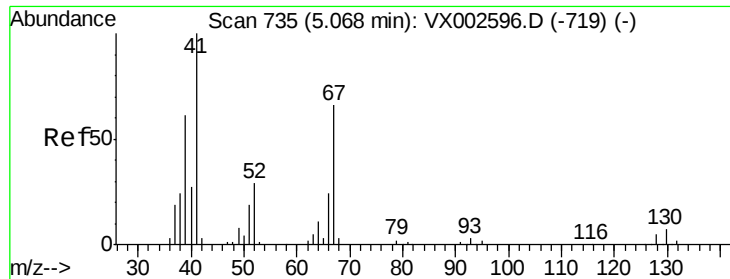
Tgt Ion: 78 Resp: 195758

Ion Ratio Lower Upper

78 100

77 22.9 19.1 28.7

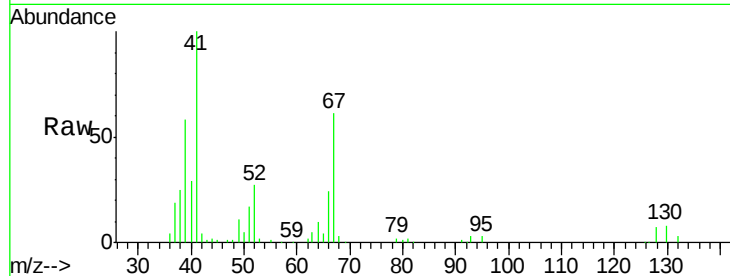




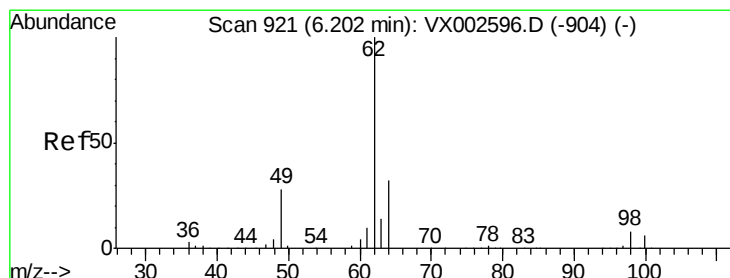
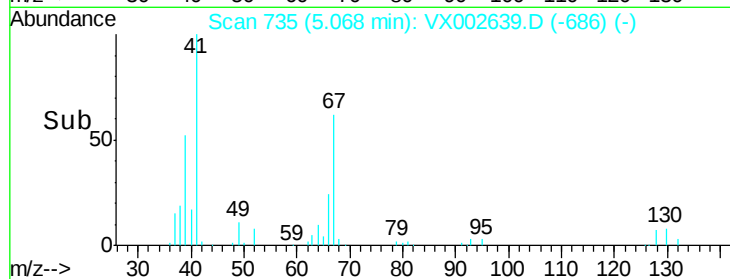
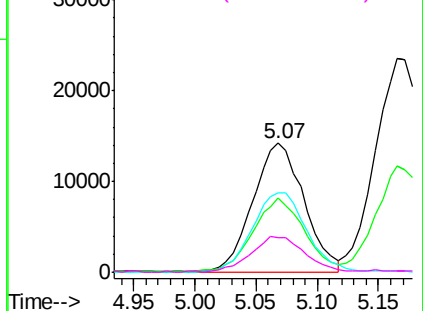
#41
Methacrylonitrile
Concen: 19.19 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX002639.D
Acq: 16 Jun 2018 11:10

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	41104
Ion	Ratio	Lower	Upper
41	100		
39	57.2	45.8	68.6
67	66.6	51.3	76.9
52	29.9	23.0	34.6

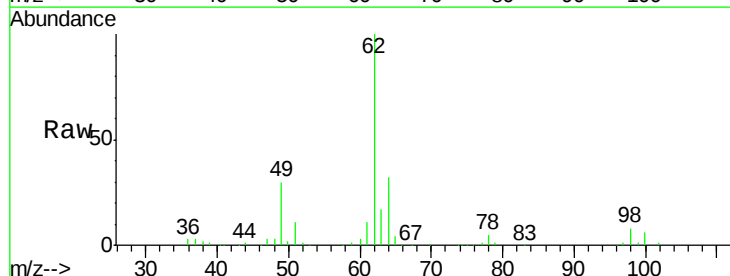


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

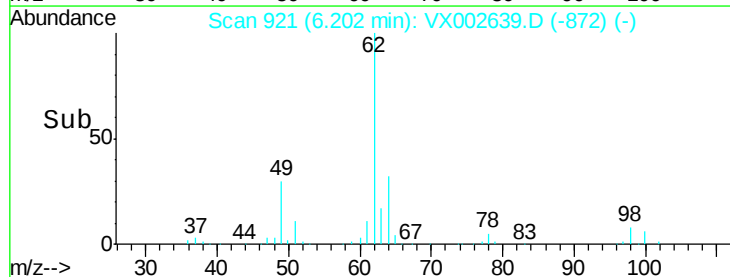
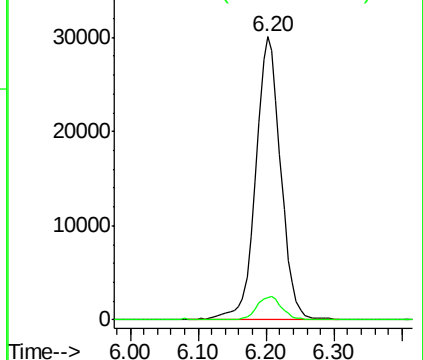


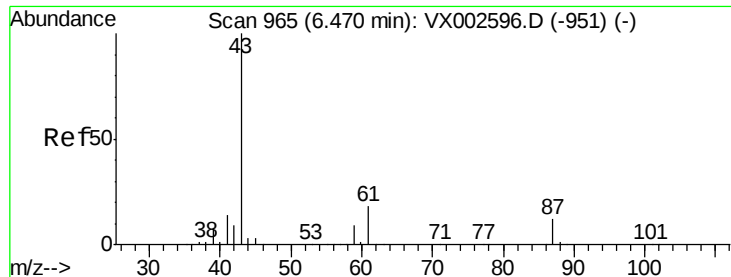
#42
1,2-Dichloroethane
Concen: 19.85 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002639.D
Acq: 16 Jun 2018 11:10

Tgt Ion:	62	Resp:	77212
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.6



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



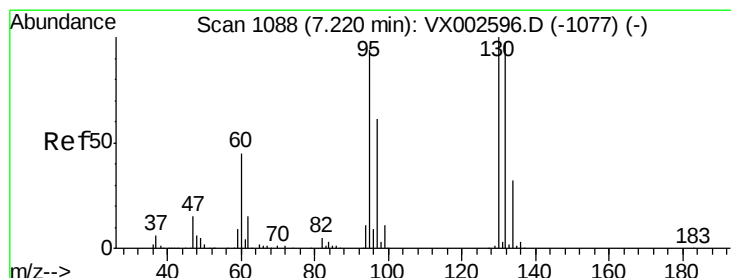
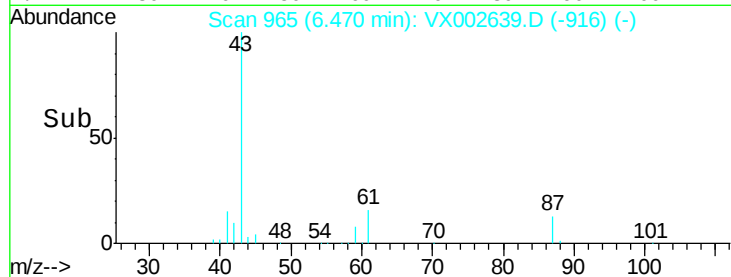
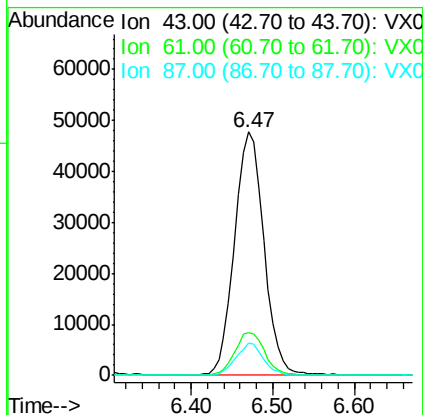
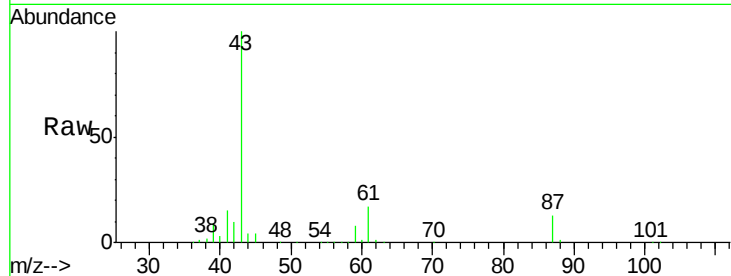


#43

Isopropyl Acetate
 Concen: 18.82 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX002639.D
 Acq: 16 Jun 2018 11:10

Instrument :
 MSVOA_X
 ClientSampleId :

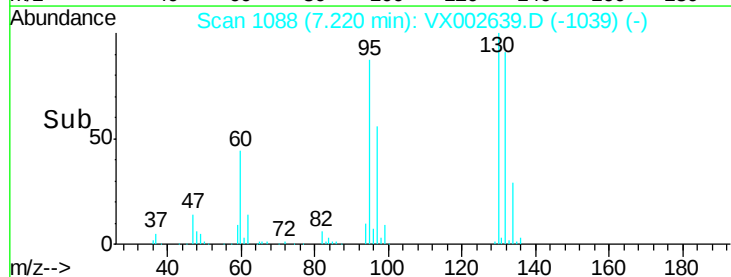
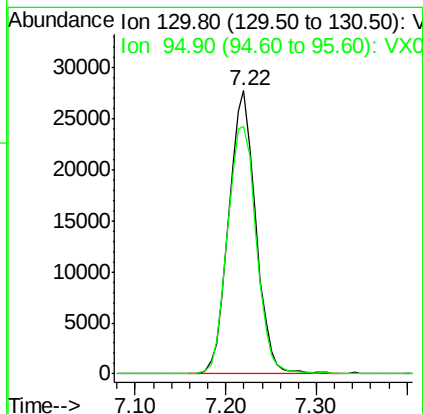
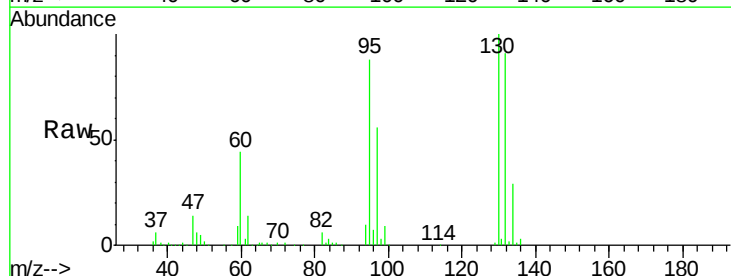
Tot Ion: 43 Resp: 118271
 Ion Ratio Lower Upper
 43 100
 61 18.0 14.4 21.6
 87 12.3 9.5 14.3

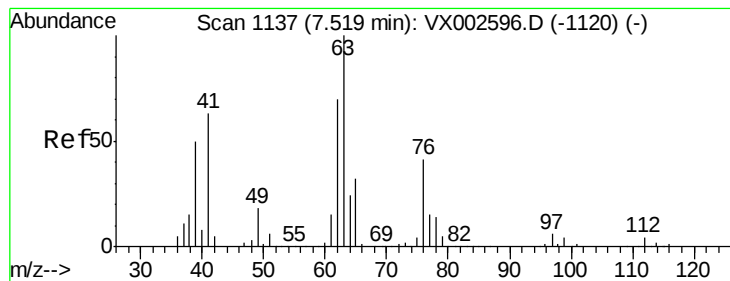


#44

Trichloroethene
 Concen: 19.83 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX002639.D
 Acq: 16 Jun 2018 11:10

Tgt Ion:130 Resp: 57510
 Ion Ratio Lower Upper
 130 100
 95 87.5 0.0 185.4





#45

1,2-Dichloropropane

Concen: 19.06 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :

MSVOA_X

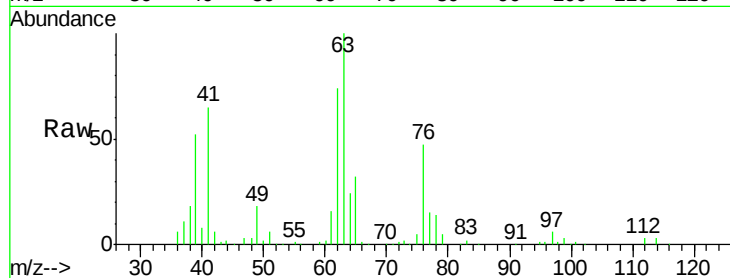
ClientSampleId :

Tot Ion: 63 Resp: 50392

Ion Ratio Lower Upper

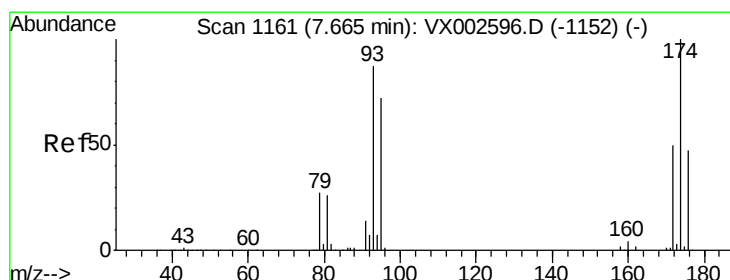
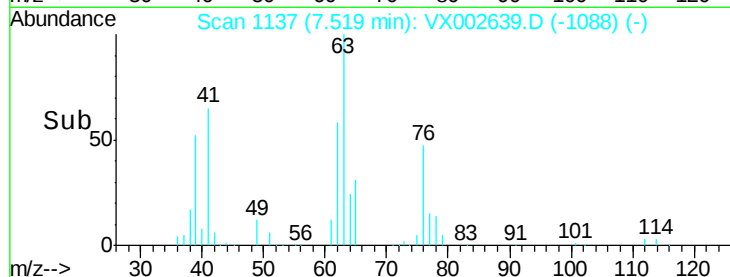
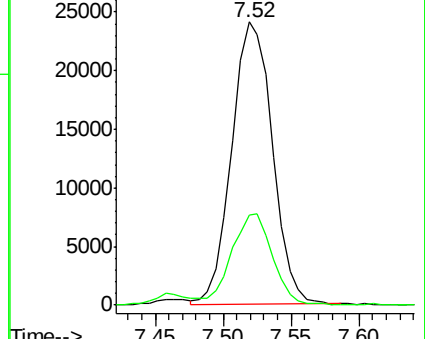
63 100

65 31.7 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.24 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

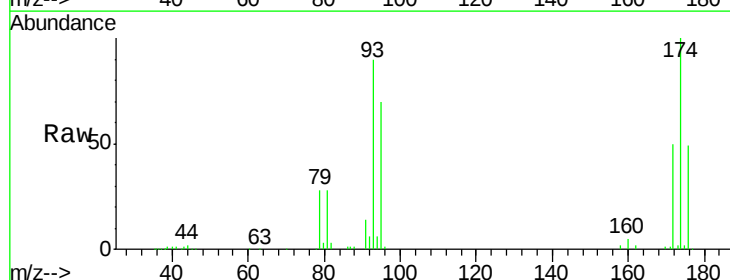
Tgt Ion: 93 Resp: 35811

Ion Ratio Lower Upper

93 100

95 80.6 65.9 98.9

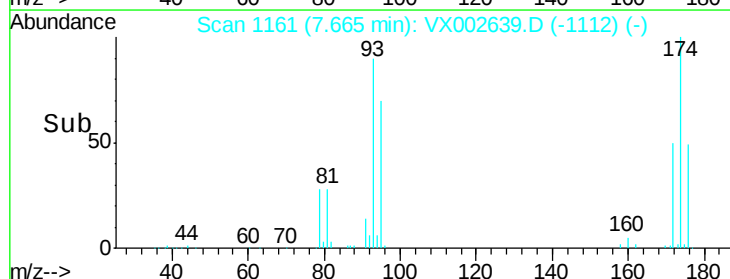
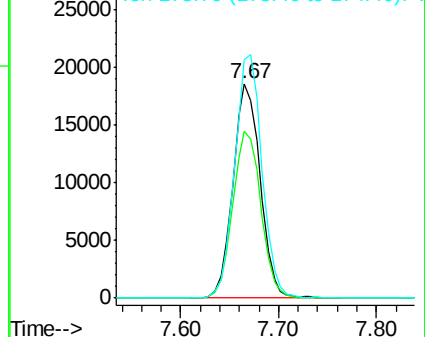
174 114.1 92.4 138.6

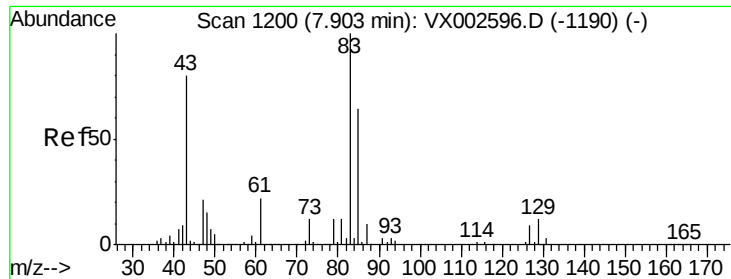


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.55 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :
MSVOA_X
ClientSampled :

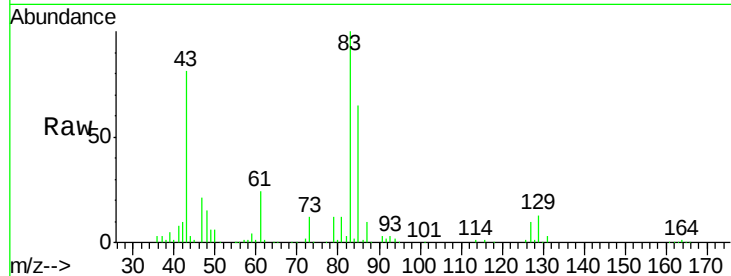
Tot Ion: 83 Resp: 60985

Ion Ratio Lower Upper

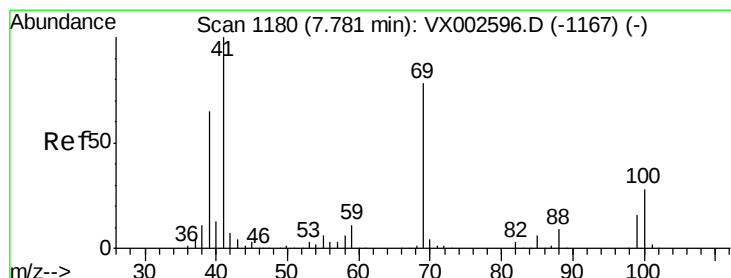
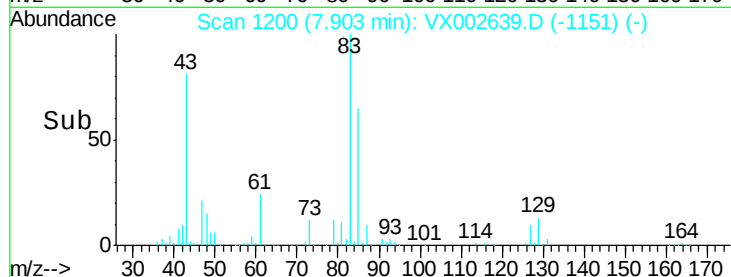
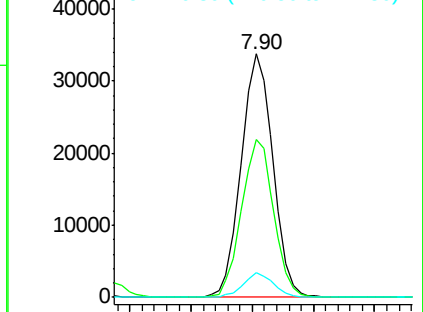
83 100

85 65.1 50.3 75.5

127 10.2 7.0 10.4



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



#48

Methyl methacrylate

Concen: 19.26 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

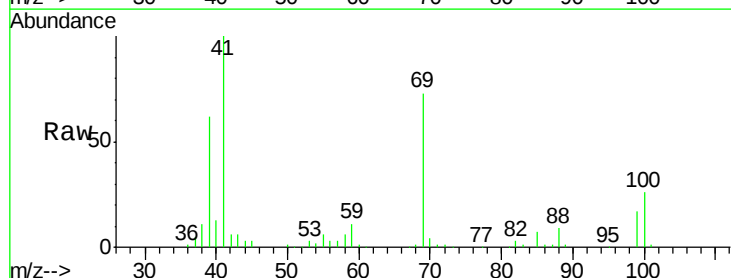
Tgt Ion: 41 Resp: 61856

Ion Ratio Lower Upper

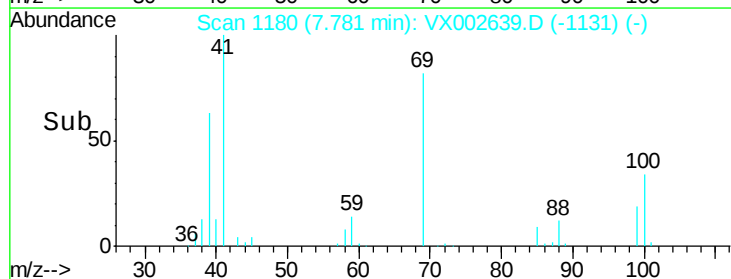
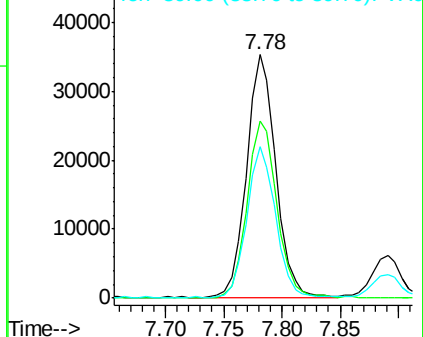
41 100

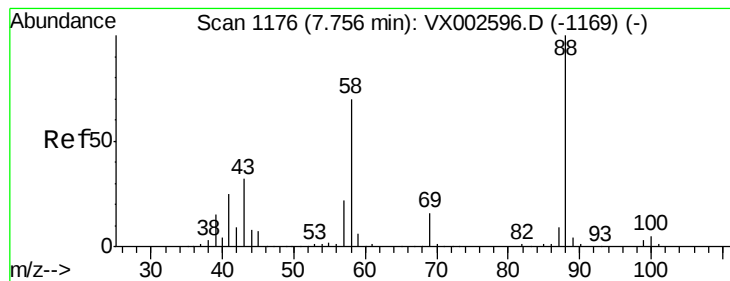
69 74.8 59.1 88.7

39 60.9 48.9 73.3



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





#49

1,4-Dioxane

Concen: 403.13 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :
MSVOA_X
ClientSampled :

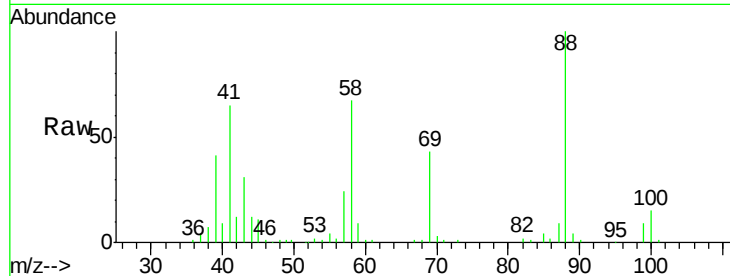
Tot Ion: 88 Resp: 24515

Ion Ratio Lower Upper

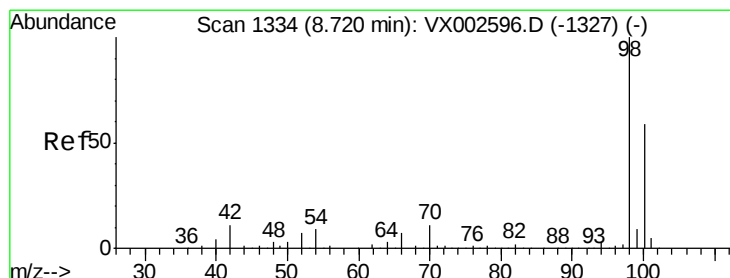
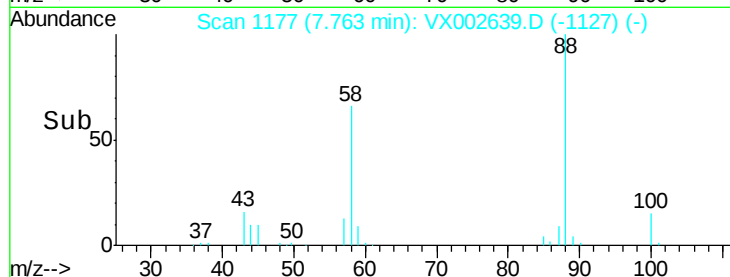
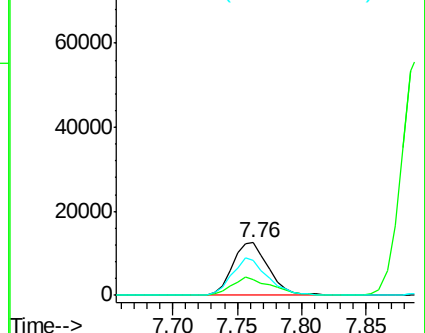
88 100

43 39.0 29.8 44.6

58 69.7 57.1 85.7



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.67 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002639.D

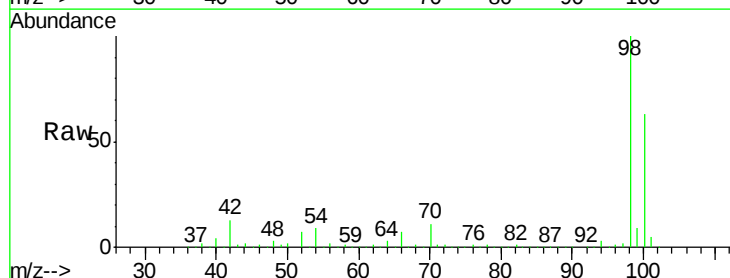
Acq: 16 Jun 2018 11:10

Tgt Ion: 98 Resp: 465324

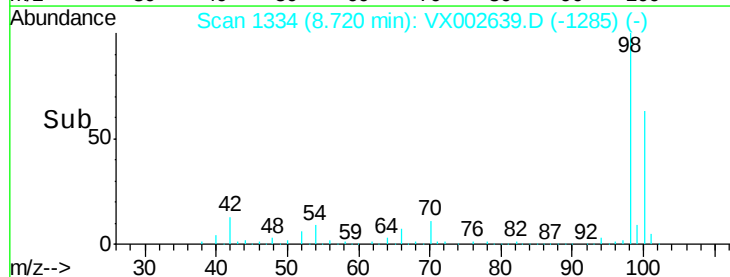
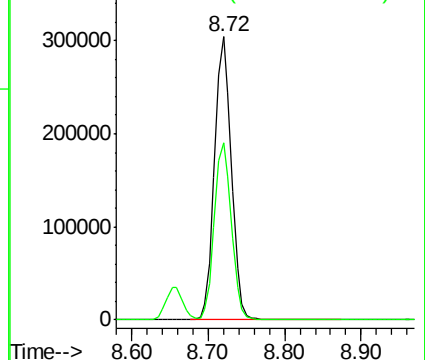
Ion Ratio Lower Upper

98 100

100 63.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 96.88 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :

MSVOA_X

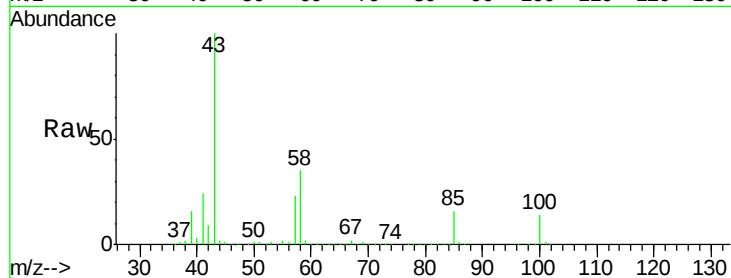
ClientSampleId :

Tot Ion: 43 Resp: 390870

Ion Ratio Lower Upper

43 100

58 36.2 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

250000

200000

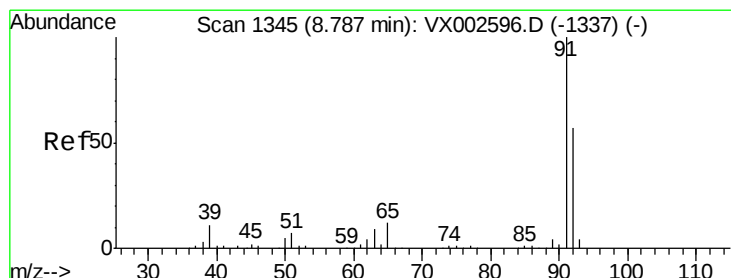
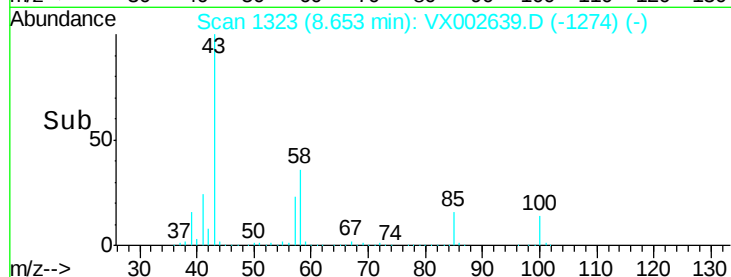
150000

100000

50000

0

Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 20.02 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002639.D

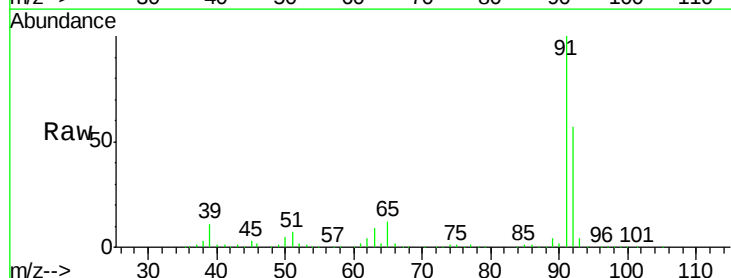
Acq: 16 Jun 2018 11:10

Tgt Ion: 92 Resp: 128288

Ion Ratio Lower Upper

92 100

91 176.8 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

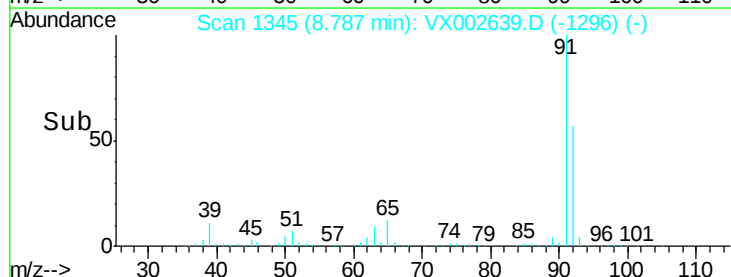
150000

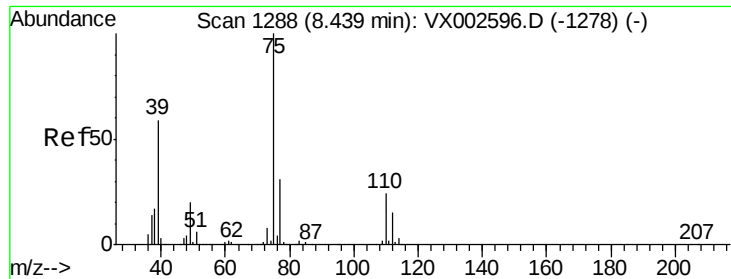
100000

50000

0

Time--> 8.70 8.75 8.80 8.85 8.90





#53

t-1,3-Dichloropropene

Concen: 19.12 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :

MSVOA_X

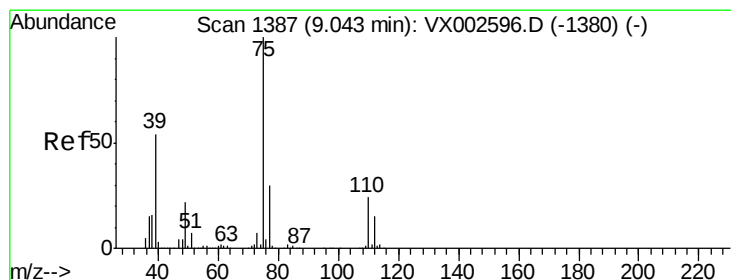
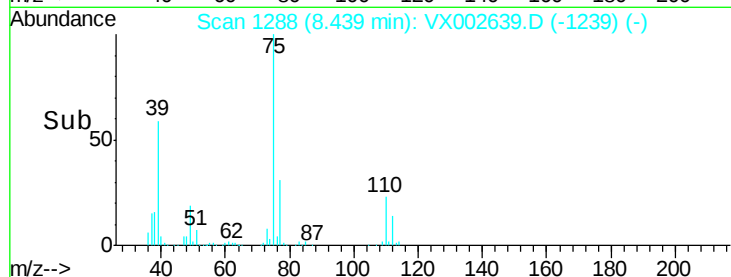
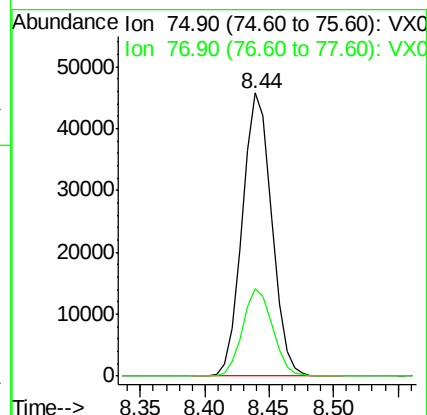
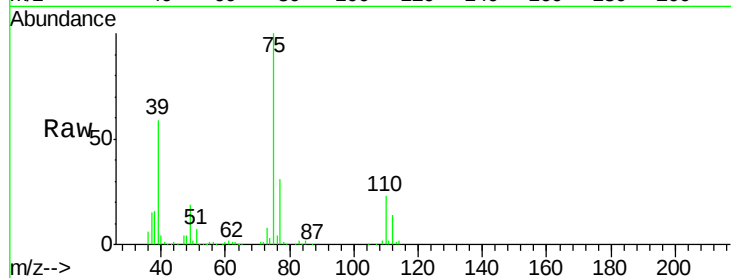
ClientSampleId :

Tot Ion: 75 Resp: 72547

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 18.47 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

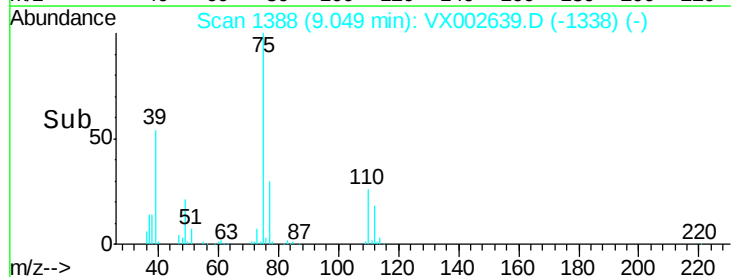
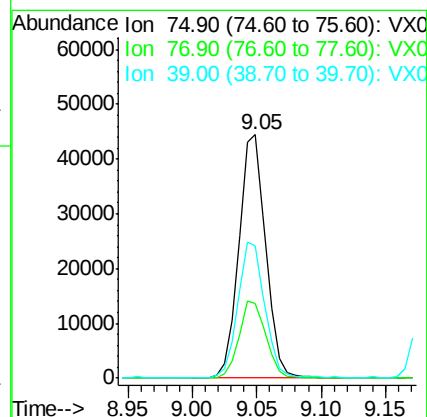
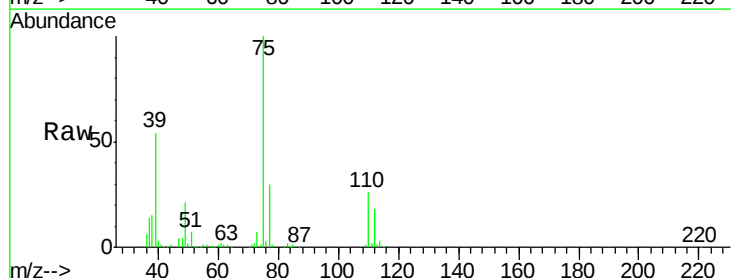
Tgt Ion: 75 Resp: 64253

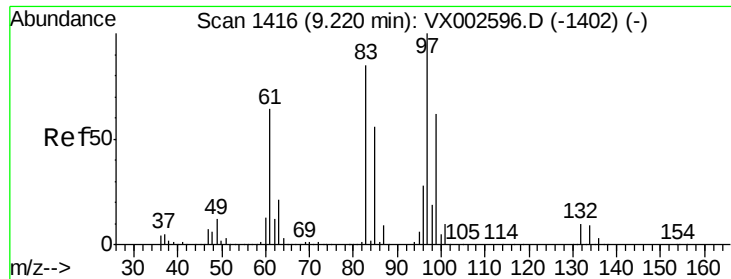
Ion Ratio Lower Upper

75 100

77 30.3 24.8 37.2

39 54.0 42.4 63.6



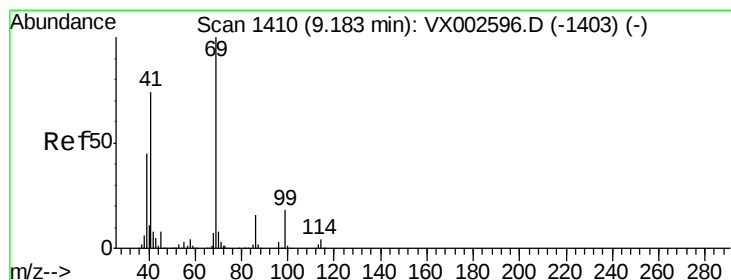
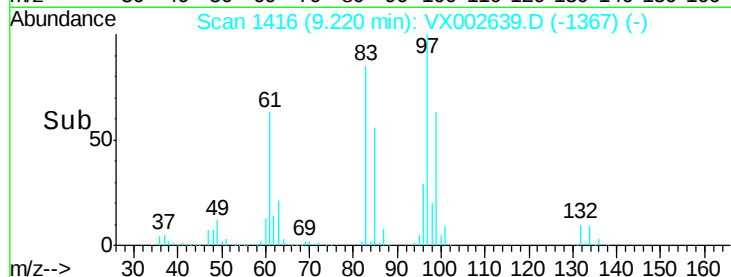
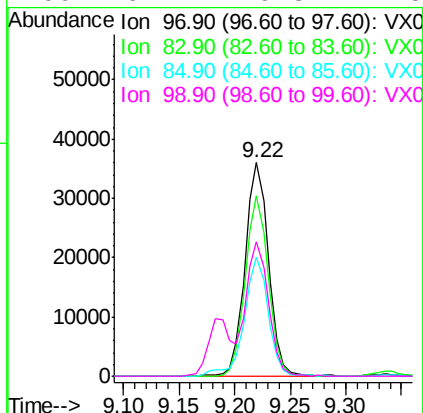
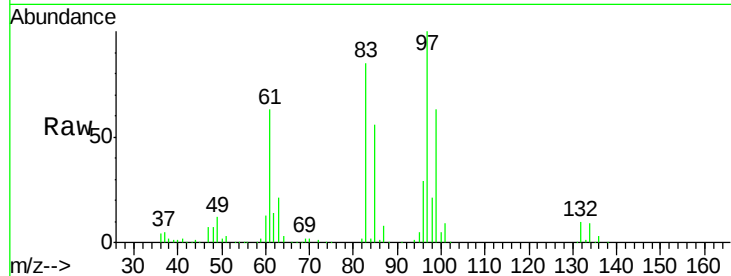


#55
 1,1,2-Trichloroethane
 Concen: 20.38 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002639.D
 Acq: 16 Jun 2018 11:10

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 97 Resp: 52771

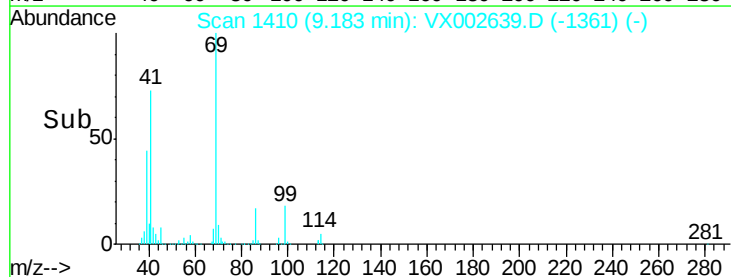
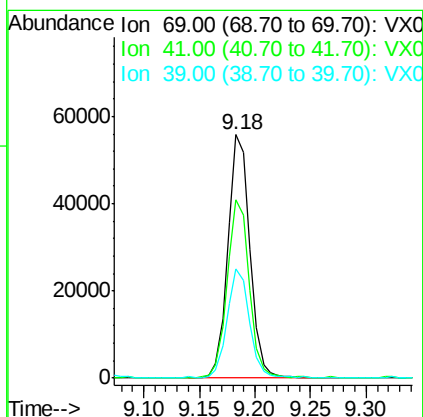
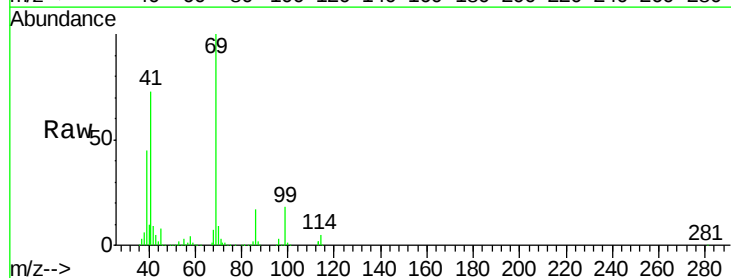
Ion	Ratio	Lower	Upper
97	100		
83	84.5	70.2	105.2
85	55.8	44.9	67.3
99	62.7	49.8	74.8

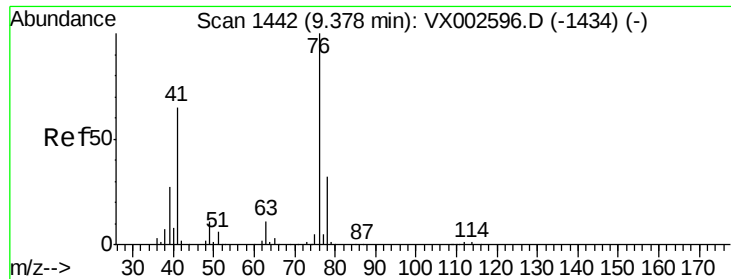


#56
 Ethyl methacrylate
 Concen: 19.14 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002639.D
 Acq: 16 Jun 2018 11:10

Tgt Ion: 69 Resp: 76284

Ion	Ratio	Lower	Upper
69	100		
41	72.9	60.3	90.5
39	45.0	35.8	53.8

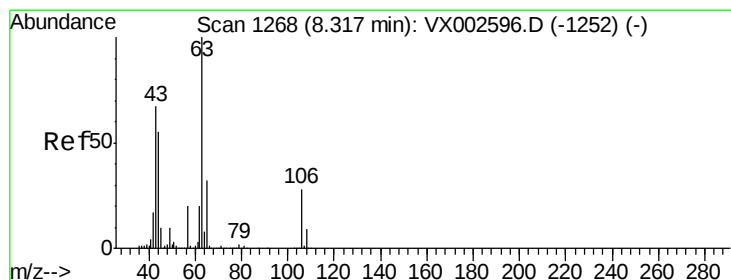
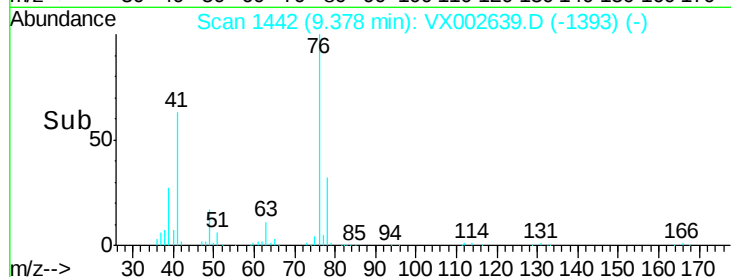
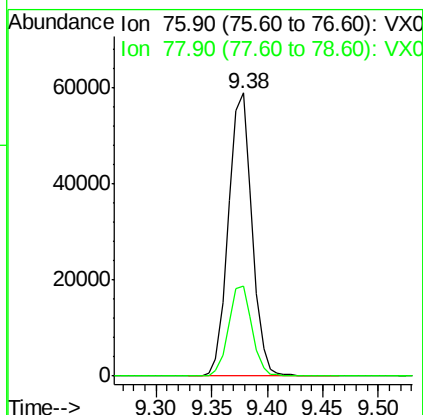
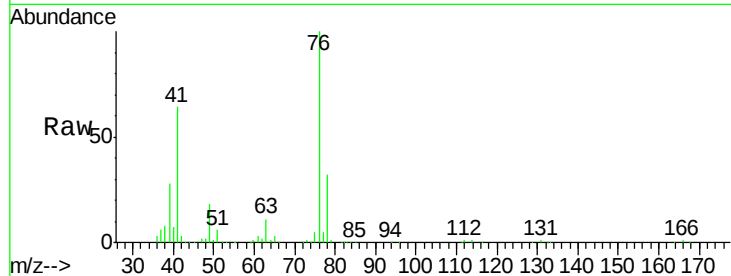




#57
 1,3-Dichloropropane
 Concen: 19.63 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX002639.D
 Acq: 16 Jun 2018 11:10

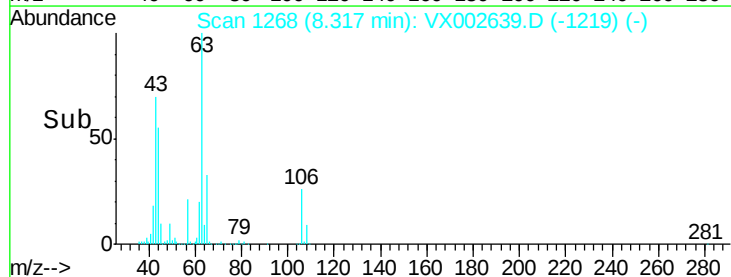
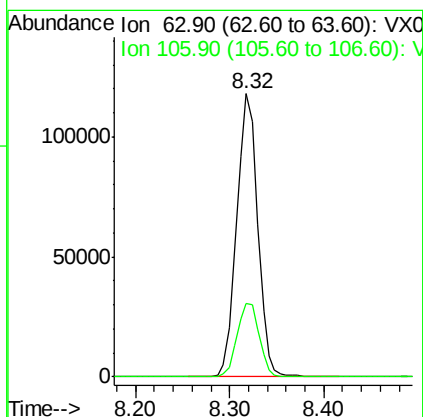
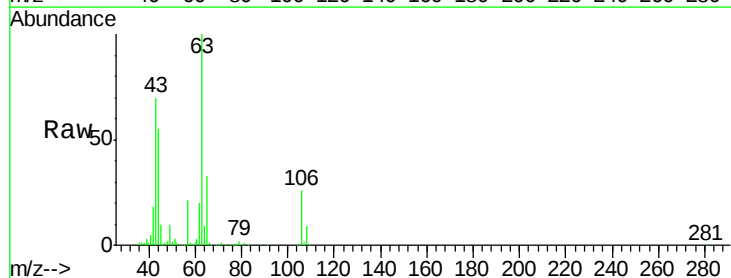
Instrument :
 MSVOA_X
 ClientSampleId :

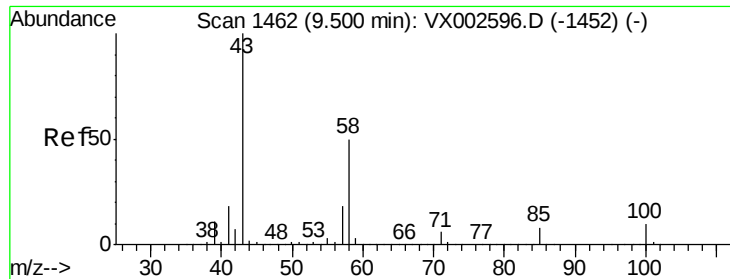
Tot Ion: 76 Resp: 85968
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.43 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX002639.D
 Acq: 16 Jun 2018 11:10

Tgt Ion: 63 Resp: 183969
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.8 32.8

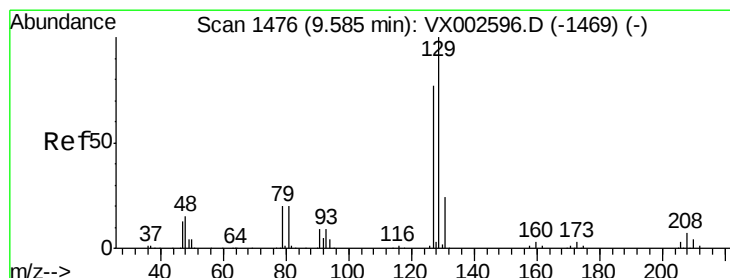
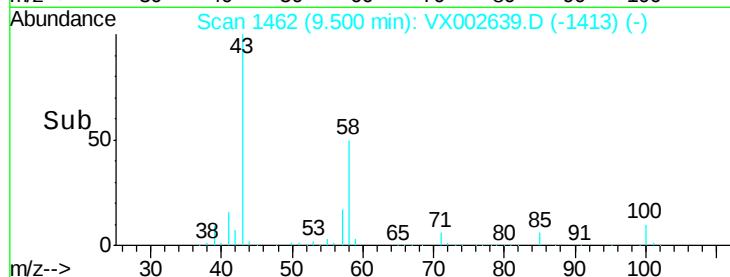
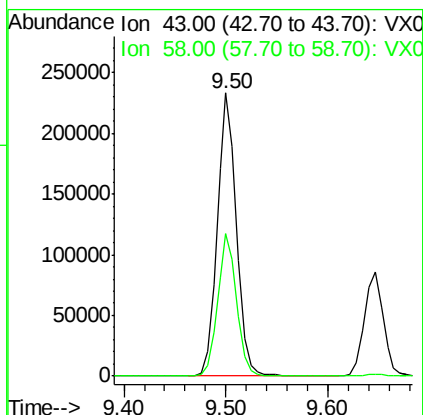
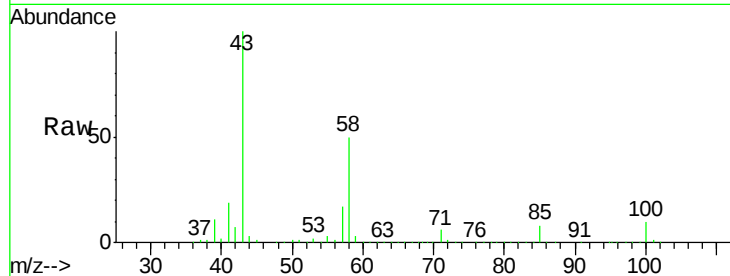




#59
2-Hexanone
Concen: 101.07 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX002639.D
Acq: 16 Jun 2018 11:10

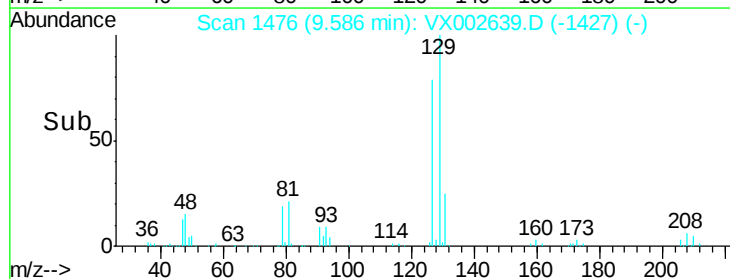
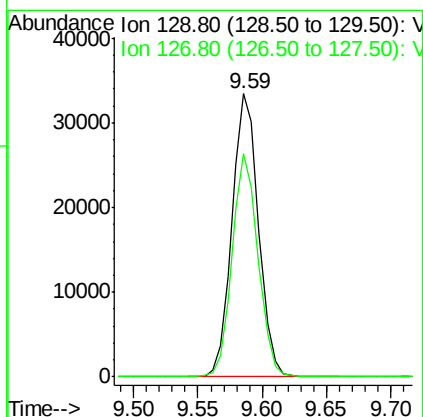
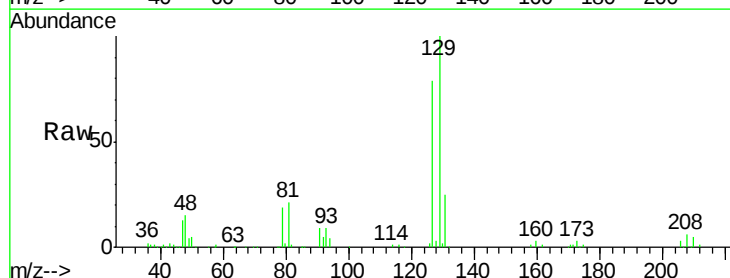
Instrument :
MSVOA_X
ClientSampleId :

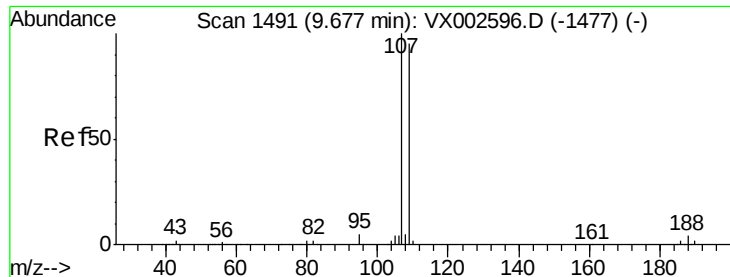
Tot Ion: 43 Resp: 307282
Ion Ratio Lower Upper
43 100
58 49.7 24.6 73.6



#60
Dibromochloromethane
Concen: 18.97 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002639.D
Acq: 16 Jun 2018 11:10

Tgt Ion:129 Resp: 47906
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.93 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

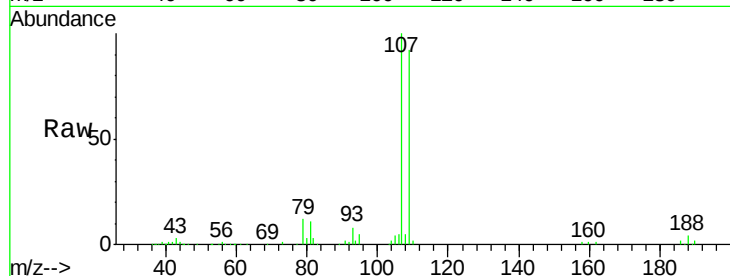
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:107 Resp: 53447

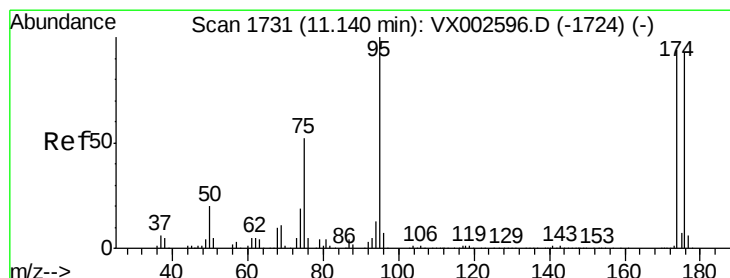
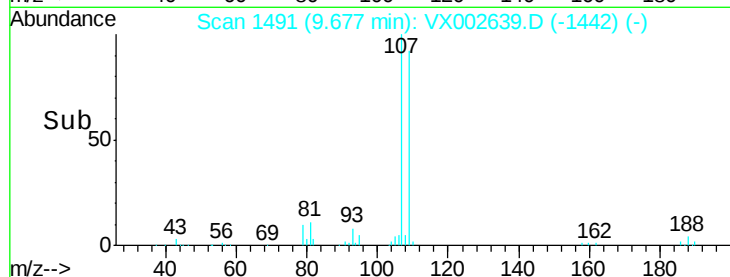
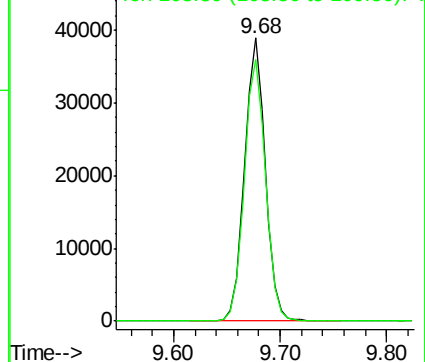
Ion Ratio Lower Upper

107 100

109 94.7 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.95 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

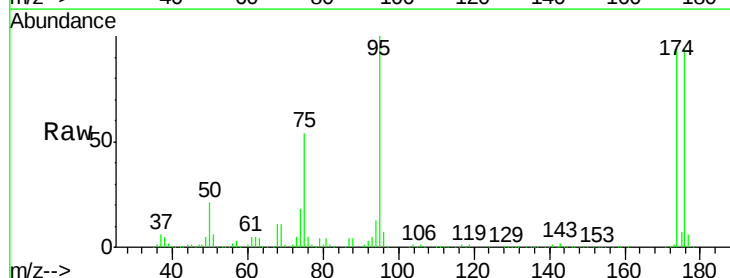
Tgt Ion: 95 Resp: 170085

Ion Ratio Lower Upper

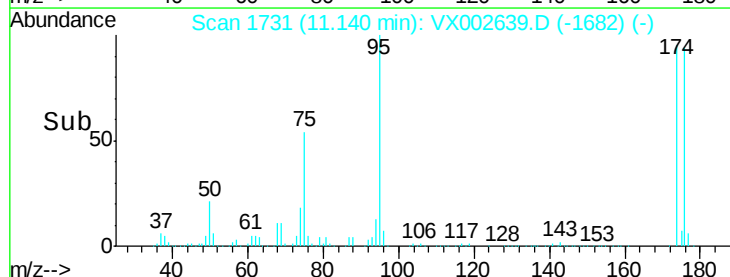
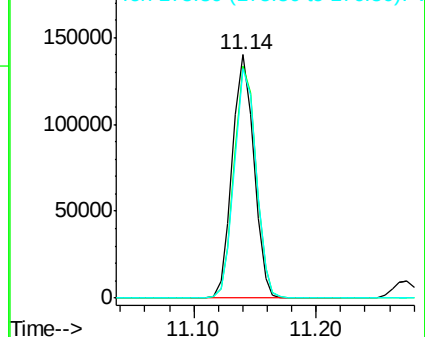
95 100

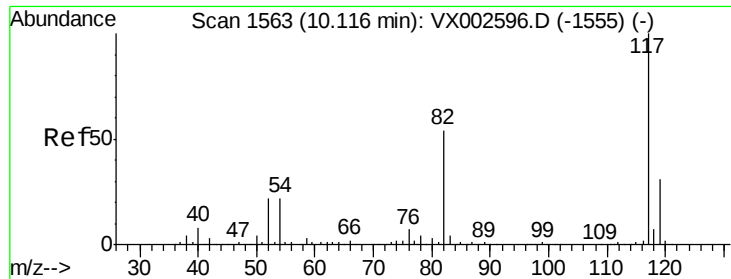
174 97.1 0.0 187.4

176 95.2 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :

MSVOA_X

ClientSampleId :

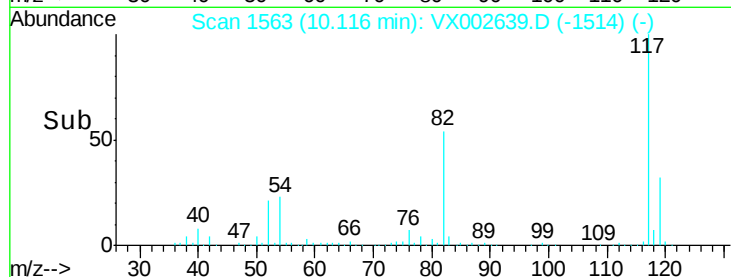
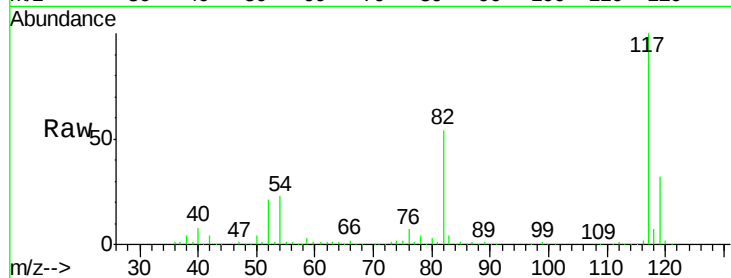
Tot Ion:117 Resp: 299526

Ion Ratio Lower Upper

117 100

82 54.3 45.0 67.4

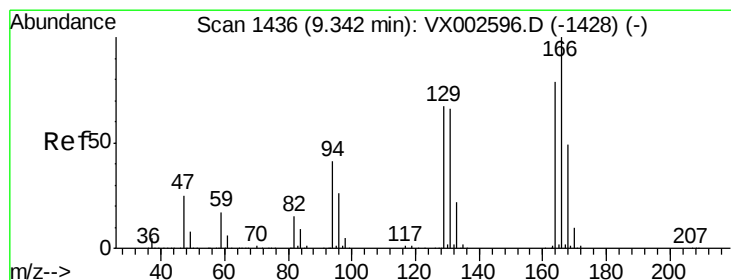
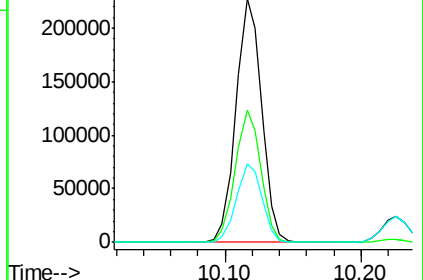
119 32.1 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.18 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Tgt Ion:164 Resp: 63774

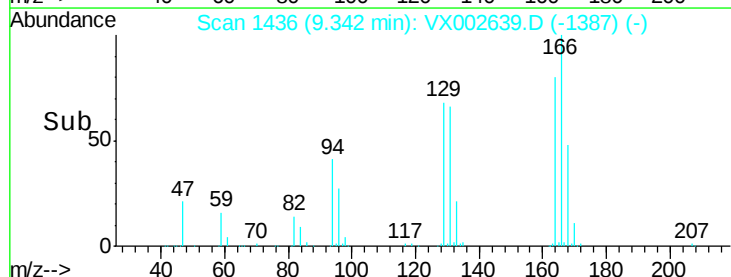
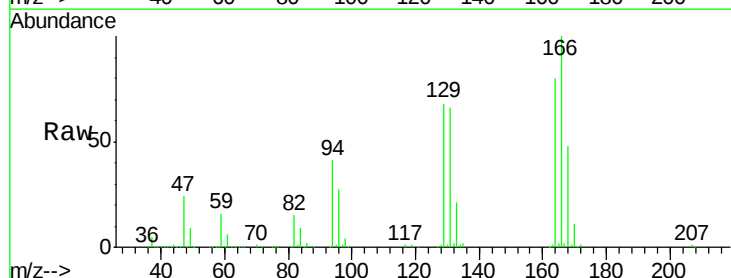
Ion Ratio Lower Upper

164 100

166 125.2 102.9 154.3

129 85.6 68.6 102.8

131 82.2 66.8 100.2

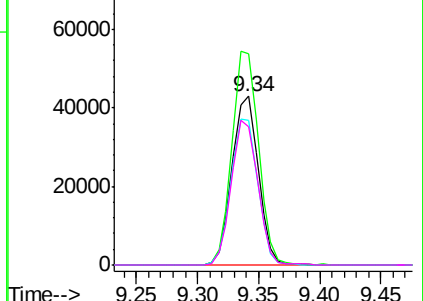


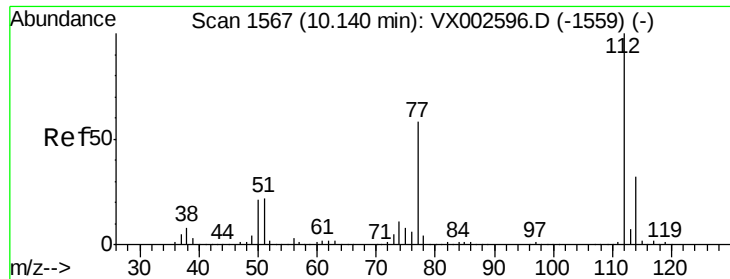
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

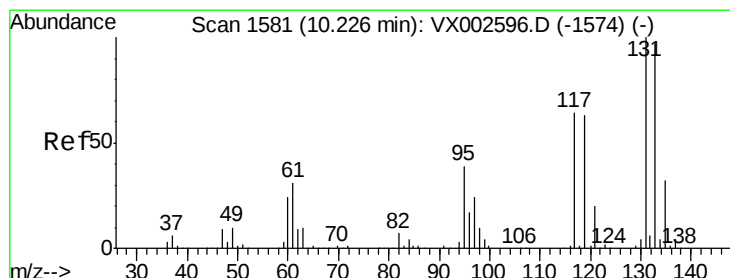
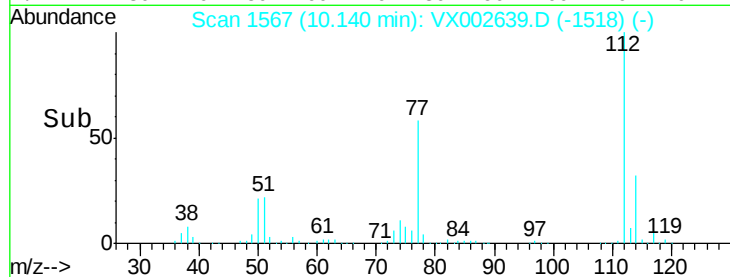
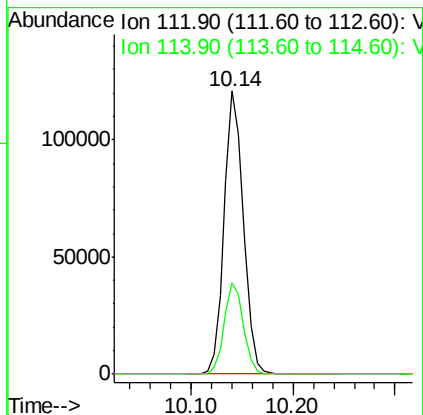
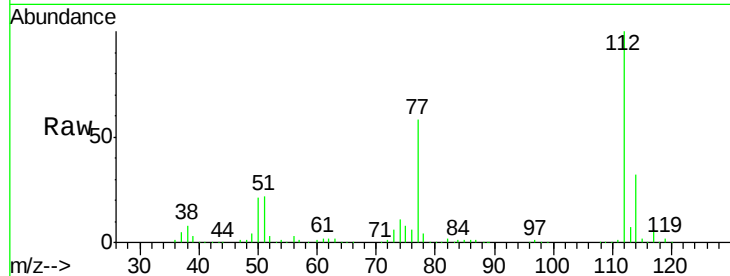




#65
Chlorobenzene
Concen: 21.57 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002639.D
Acq: 16 Jun 2018 11:10

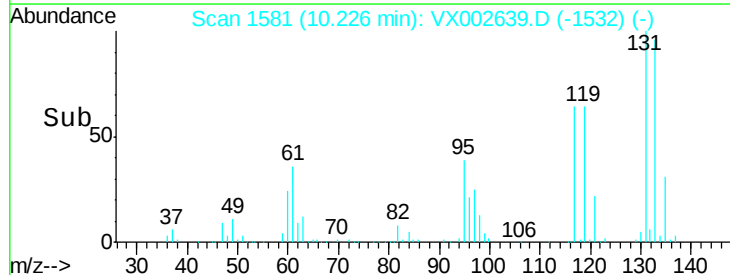
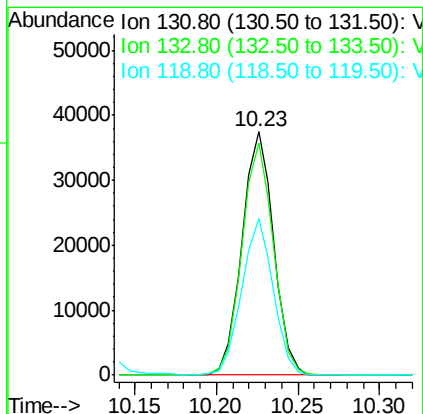
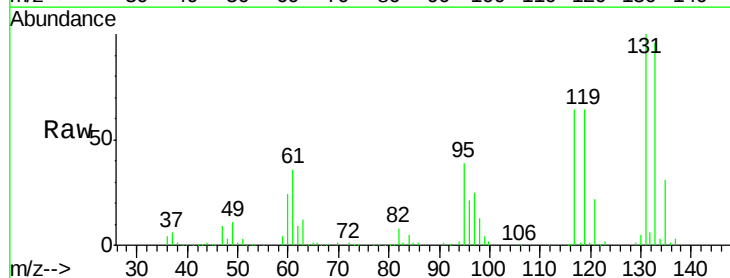
Instrument :
MSVOA_X
ClientSampleId :

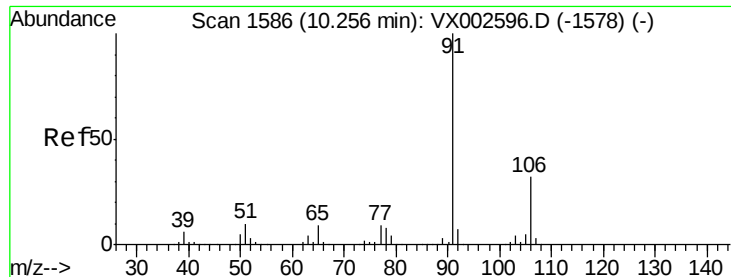
Tot Ion:112 Resp: 158654
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.13 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX002639.D
Acq: 16 Jun 2018 11:10

Tgt Ion:131 Resp: 50475
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.6
119 64.2 31.8 95.3





#67

Ethyl Benzene

Concen: 20.11 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :

MSVOA_X

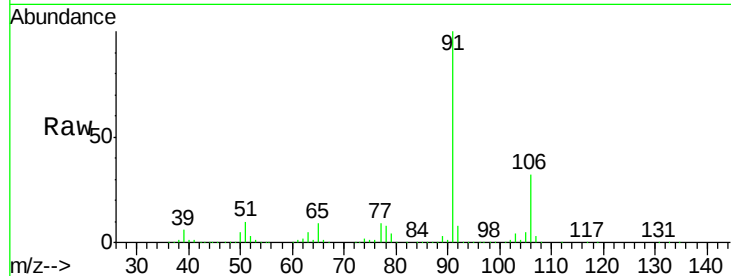
ClientSampled :

Tot Ion: 91 Resp: 249475

Ion Ratio Lower Upper

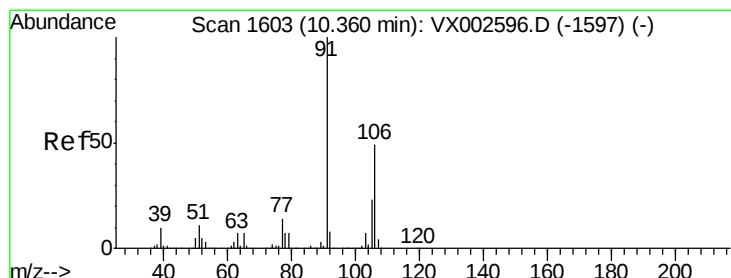
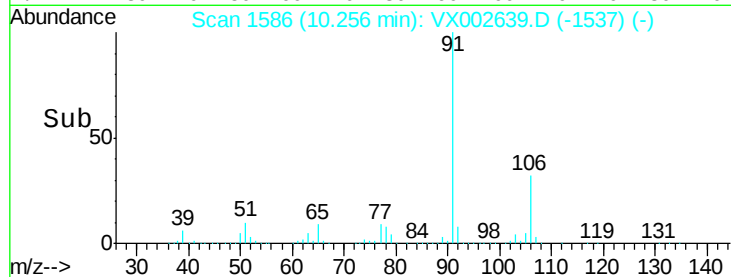
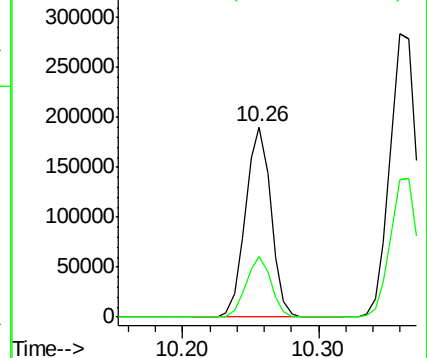
91 100

106 31.9 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.34 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VX002639.D

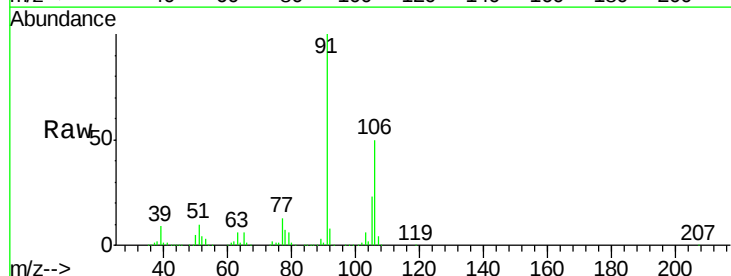
Acq: 16 Jun 2018 11:10

Tgt Ion: 106 Resp: 193073

Ion Ratio Lower Upper

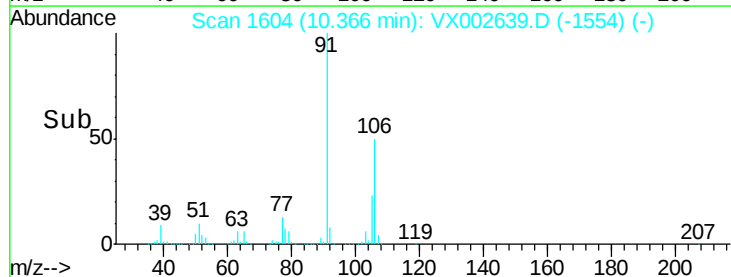
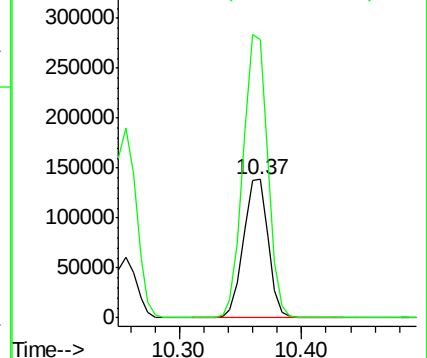
106 100

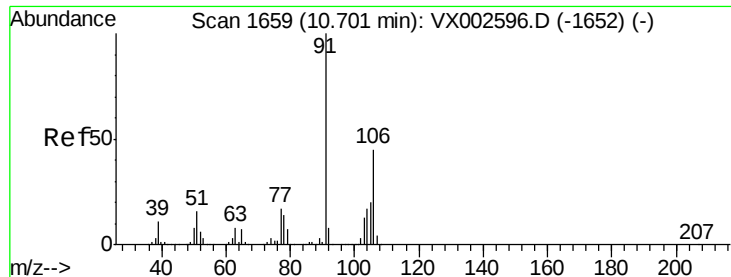
91 203.5 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

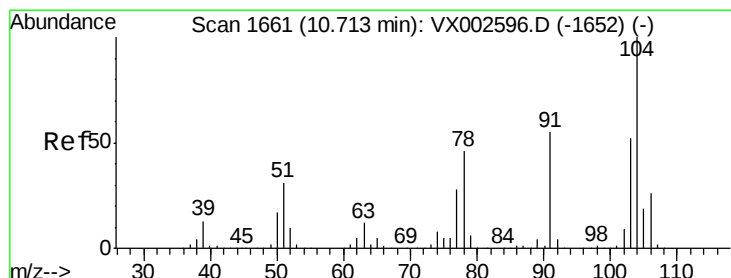
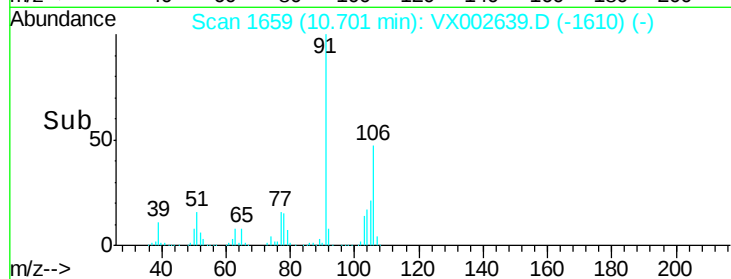
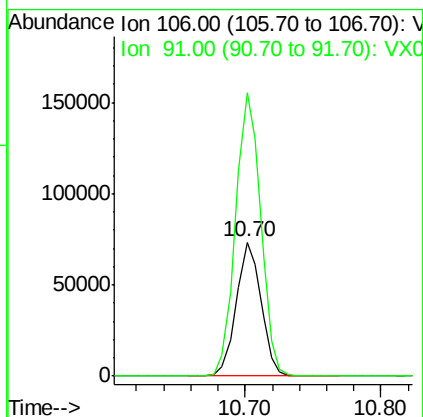
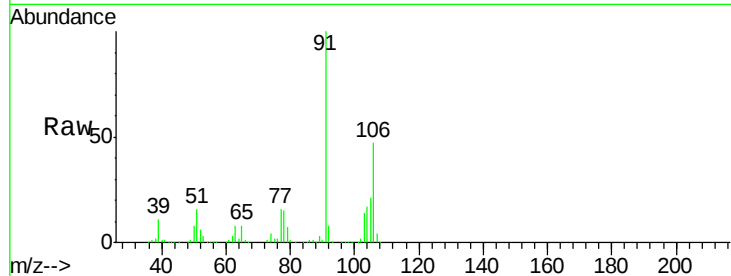




#69
o-Xylene
Concen: 19.81 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002639.D
Acq: 16 Jun 2018 11:10

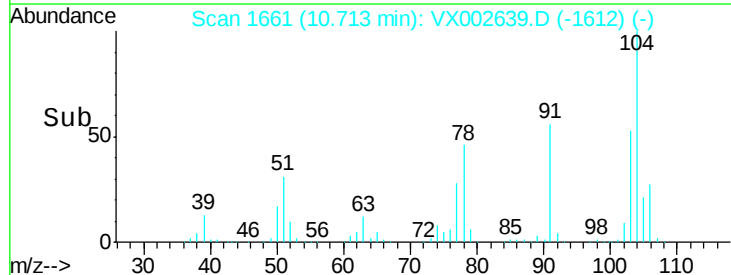
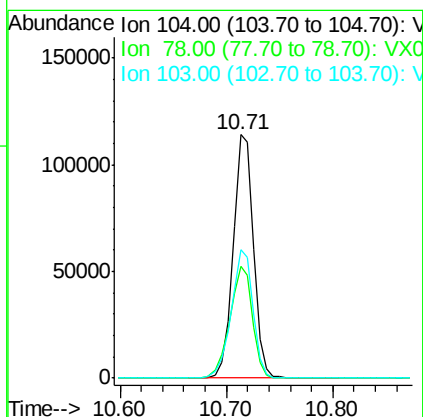
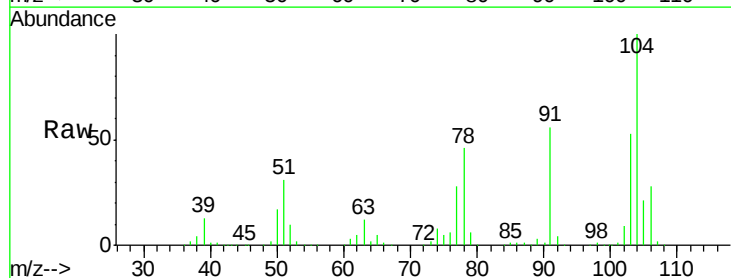
Instrument :
MSVOA_X
ClientSampleId :

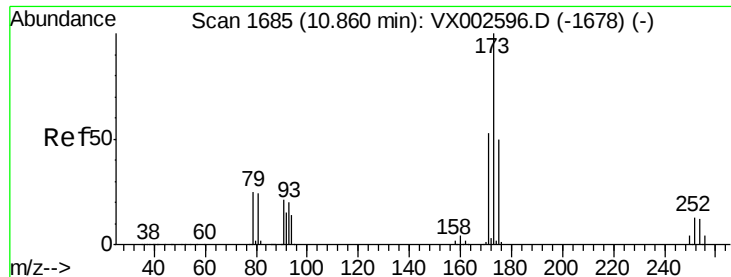
Tot Ion:106 Resp: 93148
Ion Ratio Lower Upper
106 100
91 213.9 108.2 324.6



#70
Styrene
Concen: 19.77 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002639.D
Acq: 16 Jun 2018 11:10

Tgt Ion:104 Resp: 152889
Ion Ratio Lower Upper
104 100
78 51.0 41.0 61.6
103 56.3 44.2 66.4

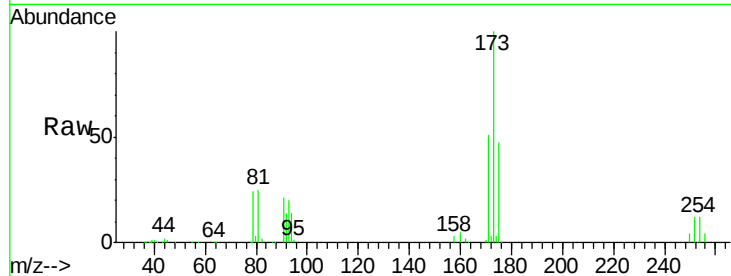




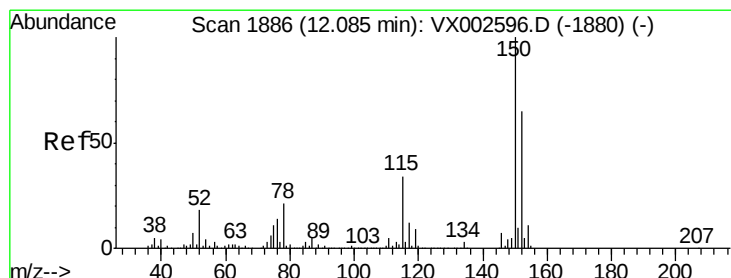
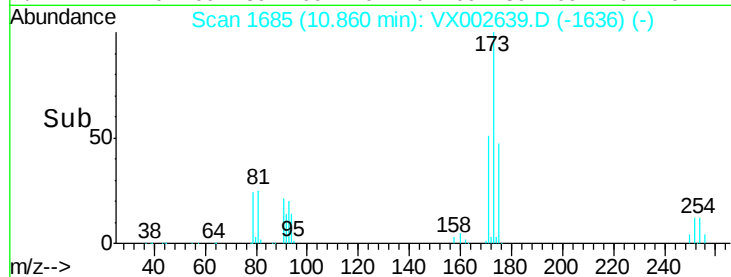
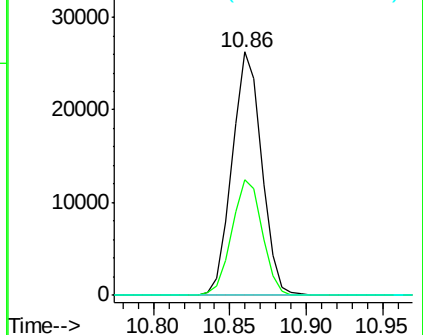
#71
Bromoform
Concen: 18.67 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002639.D
Acq: 16 Jun 2018 11:10

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:173 Resp: 34951
Ion Ratio Lower Upper
173 100
175 48.7 24.7 74.1
254 0.0 0.2 0.2#

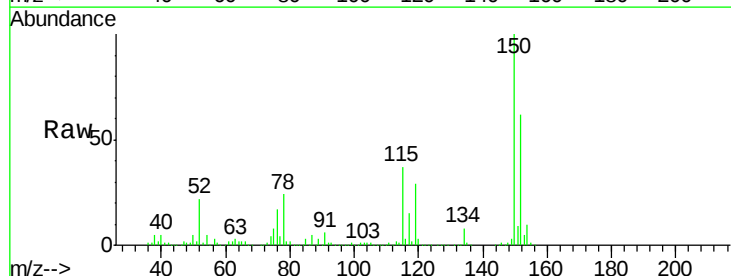


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

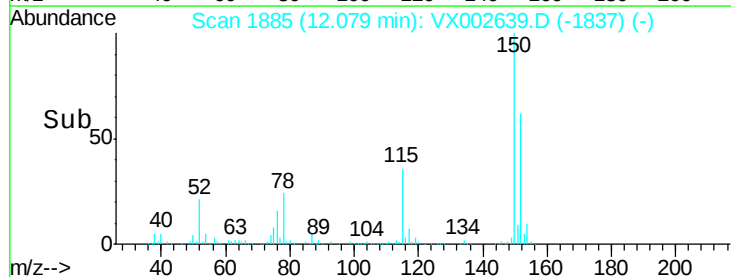
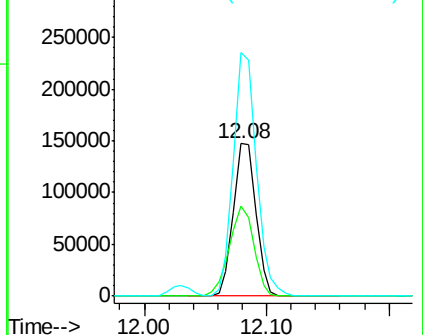


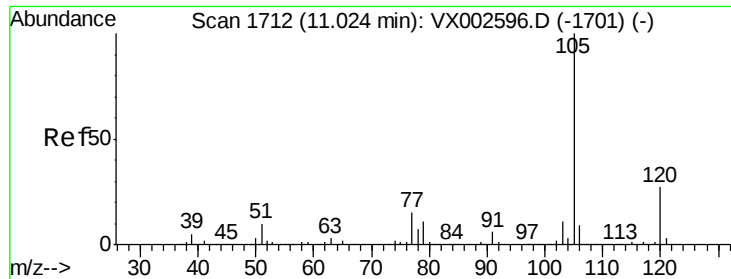
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002639.D
Acq: 16 Jun 2018 11:10

Tgt Ion:152 Resp: 186936
Ion Ratio Lower Upper
152 100
115 64.3 40.1 120.2
150 164.3 0.0 347.2



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





#73

Isopropylbenzene

Concen: 20.67 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :

MSVOA_X

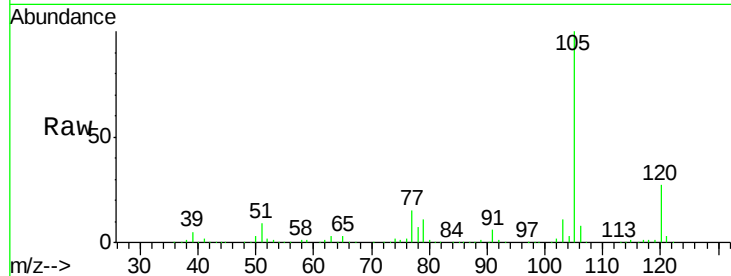
ClientSampleId :

Tot Ion:105 Resp: 258416

Ion Ratio Lower Upper

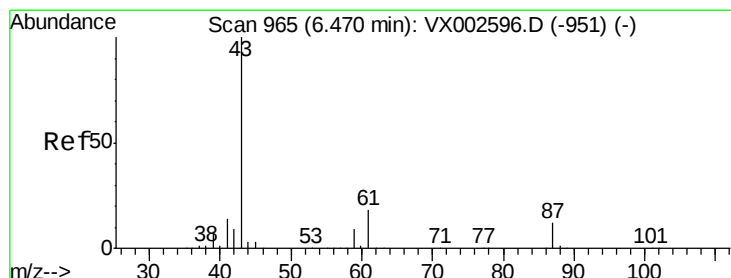
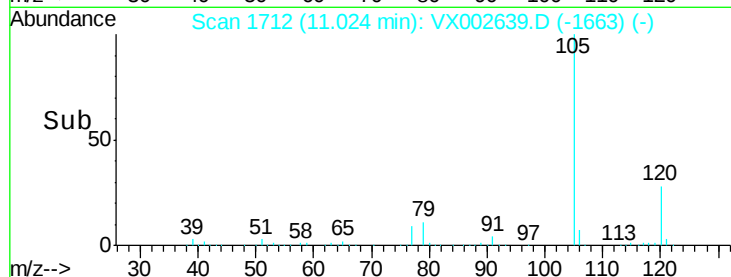
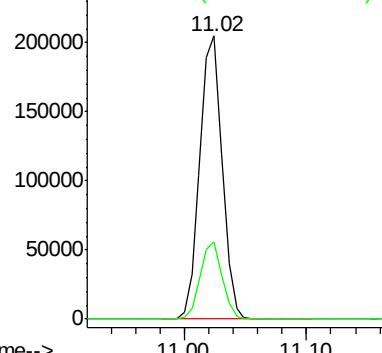
105 100

120 26.7 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.04 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Tgt Ion: 43 Resp: 118271

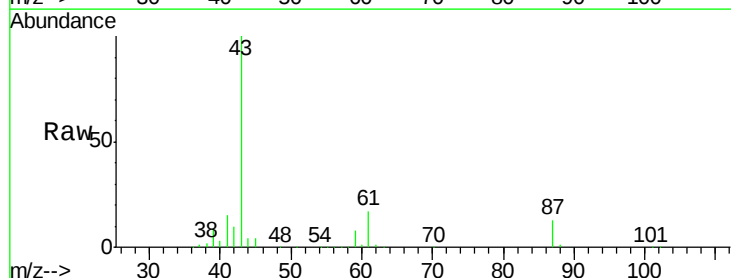
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.0 0.0 0.0#

61 18.0 14.4 21.6

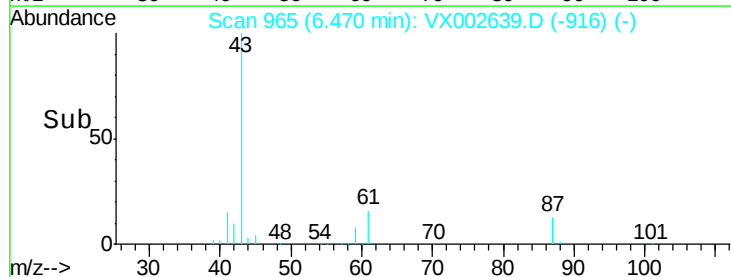
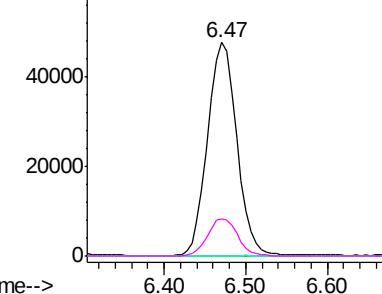


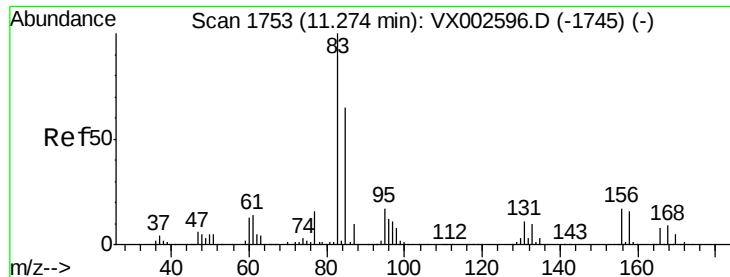
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.68 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :

MSVOA_X

ClientSampleId :

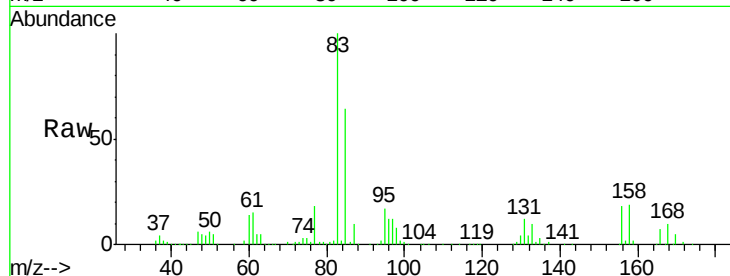
Tot Ion: 83 Resp: 76361

Ion Ratio Lower Upper

83 100

131 10.8 5.6 16.8

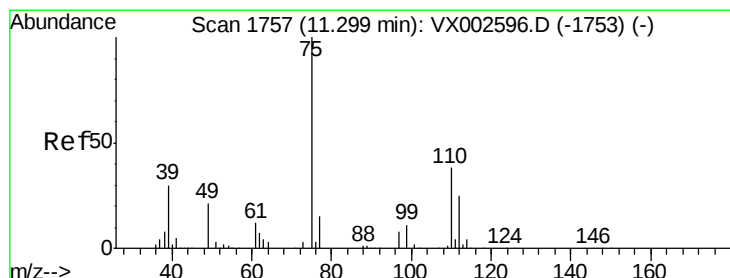
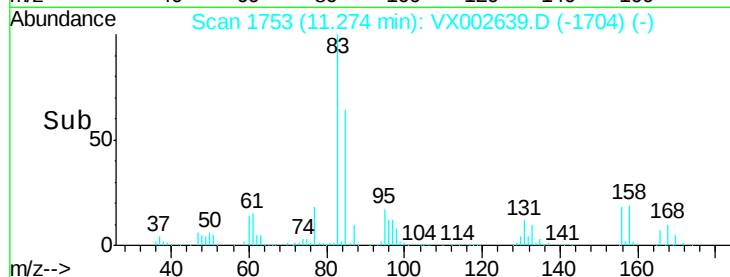
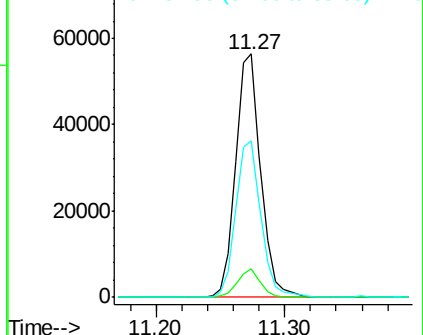
85 64.7 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.98 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX002639.D

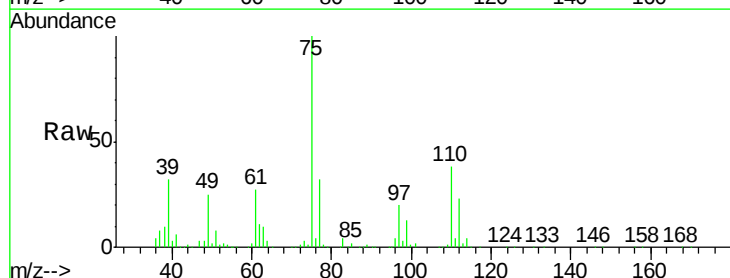
Acq: 16 Jun 2018 11:10

Tgt Ion: 75 Resp: 81069

Ion Ratio Lower Upper

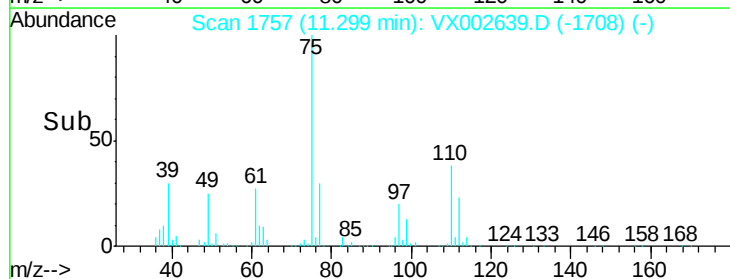
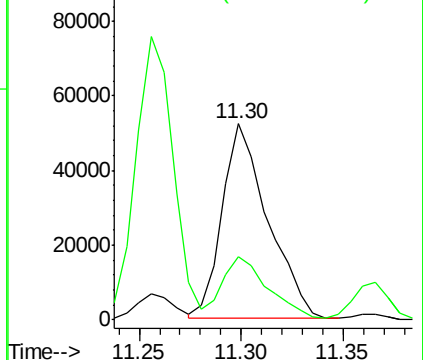
75 100

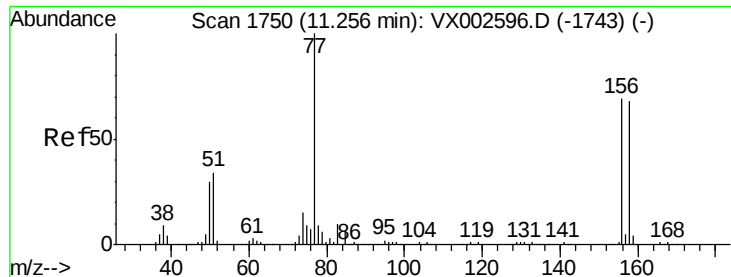
77 32.6 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.71 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :

MSVOA_X

ClientSampleId :

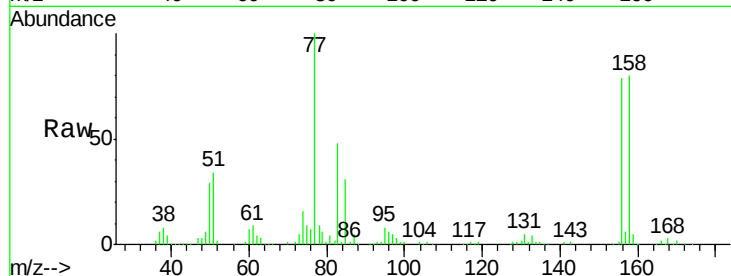
Tot Ion:156 Resp: 68666

Ion Ratio Lower Upper

156 100

77 140.9 71.4 214.2

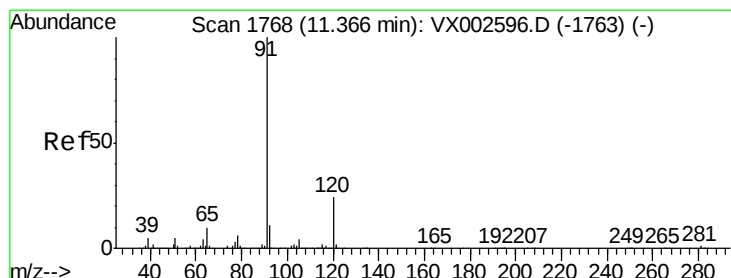
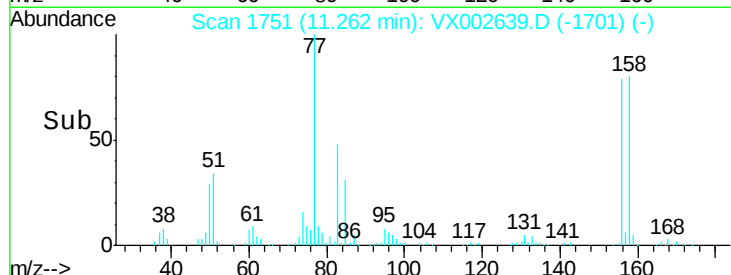
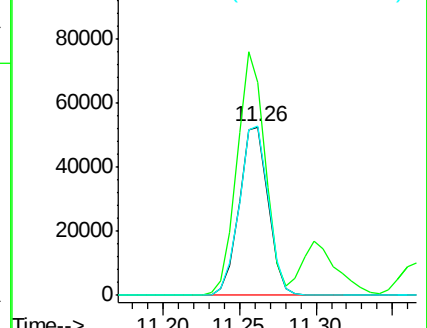
158 101.7 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.25 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002639.D

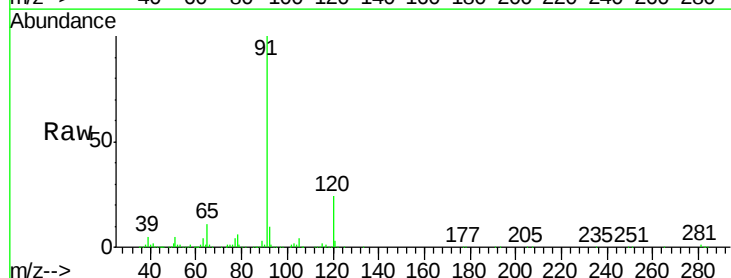
Acq: 16 Jun 2018 11:10

Tgt Ion: 91 Resp: 290380

Ion Ratio Lower Upper

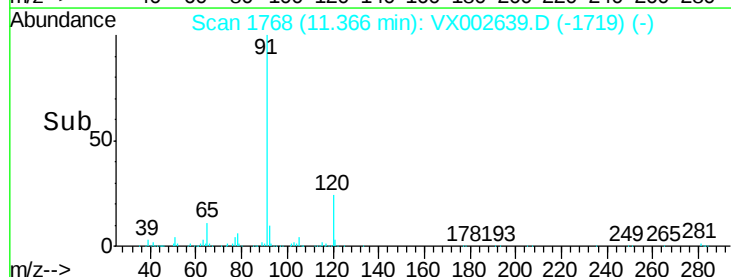
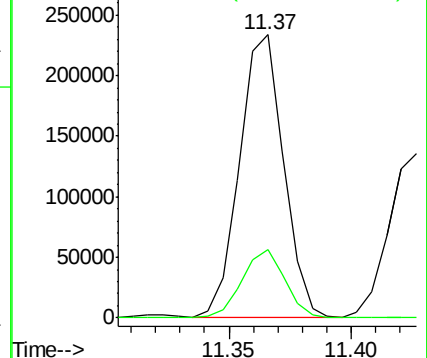
91 100

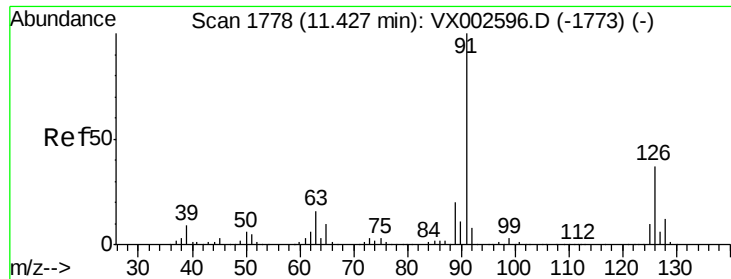
120 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

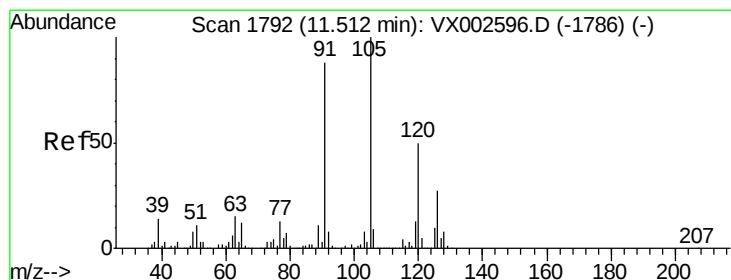
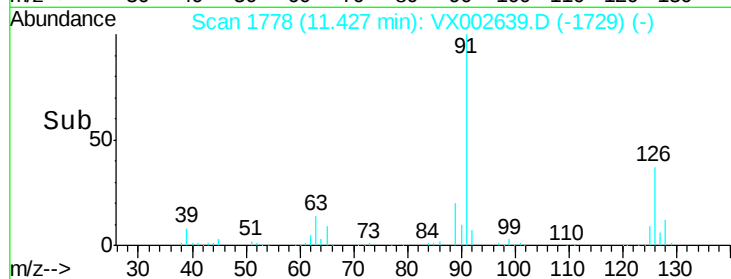
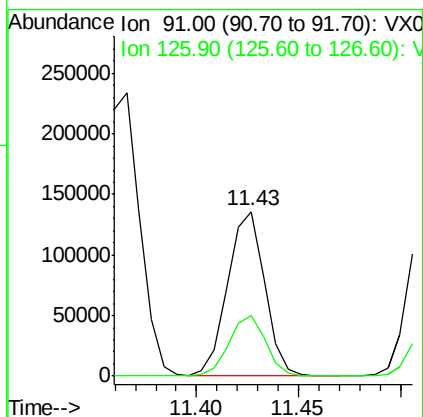
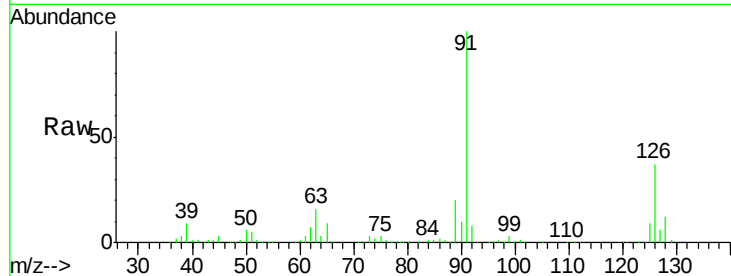




#79
 2-Chlorotoluene
 Concen: 19.79 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX002639.D
 Acq: 16 Jun 2018 11:10

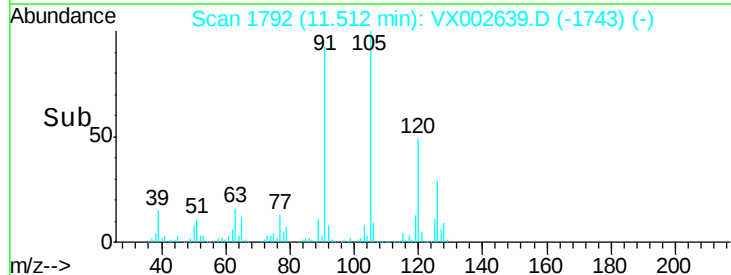
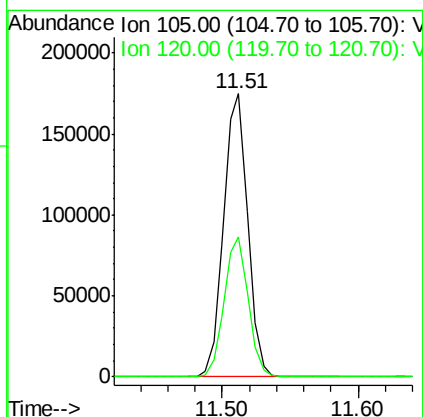
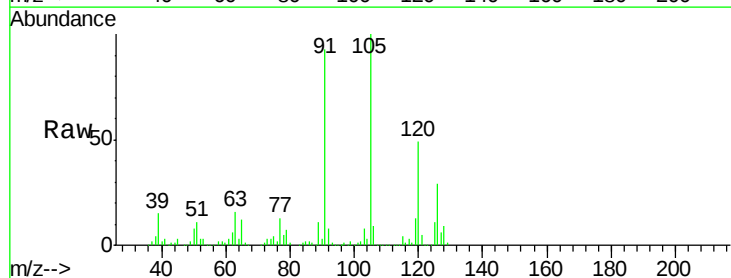
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 91 Resp: 169458
 Ion Ratio Lower Upper
 91 100
 126 36.8 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.24 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX002639.D
 Acq: 16 Jun 2018 11:10

Tgt Ion: 105 Resp: 213875
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.02 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :

MSVOA_X

ClientSampleId :

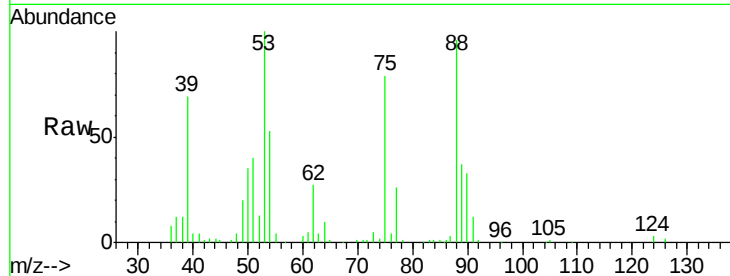
Tot Ion: 75 Resp: 15437

Ion Ratio Lower Upper

75 100

53 126.5 86.8 130.2

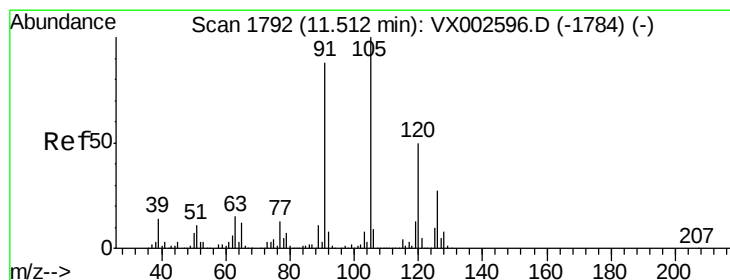
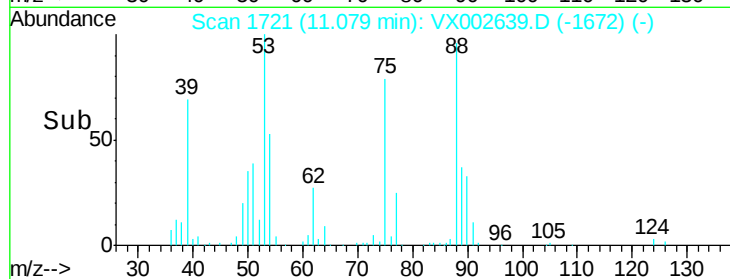
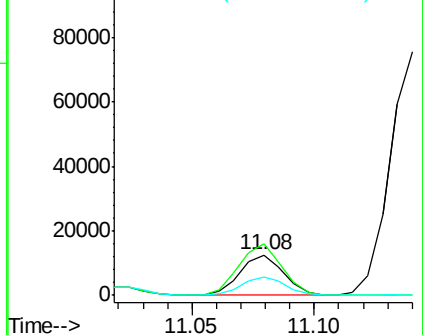
89 46.7 38.2 57.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.91 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002639.D

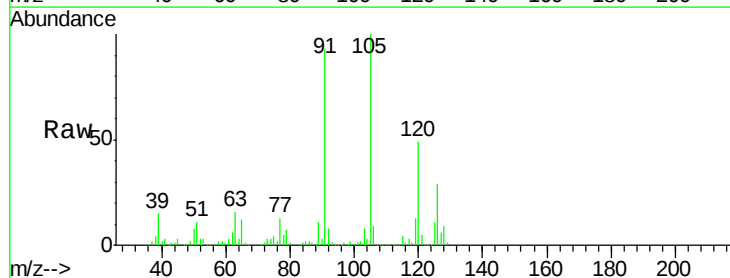
Acq: 16 Jun 2018 11:10

Tgt Ion: 91 Resp: 201080

Ion Ratio Lower Upper

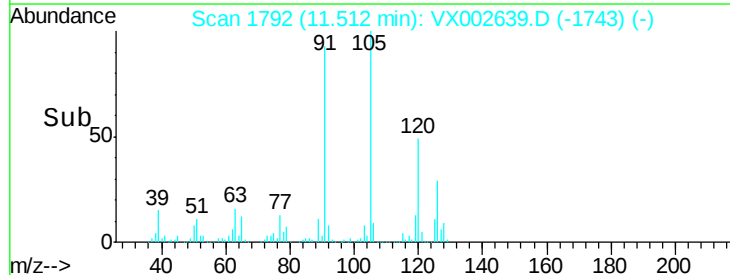
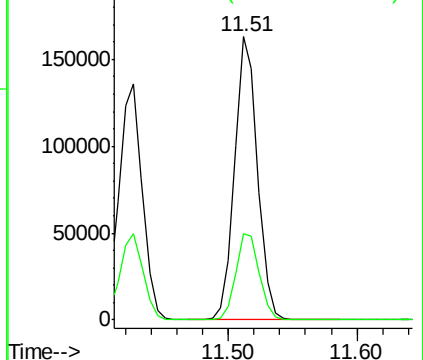
91 100

126 31.5 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

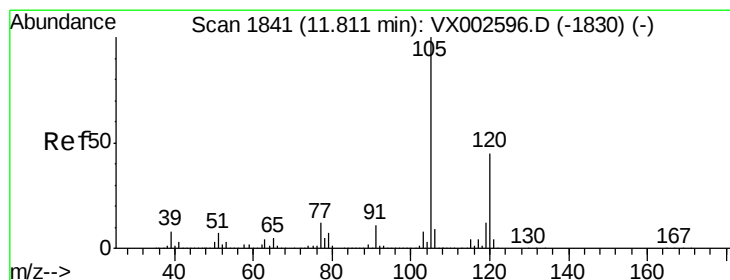
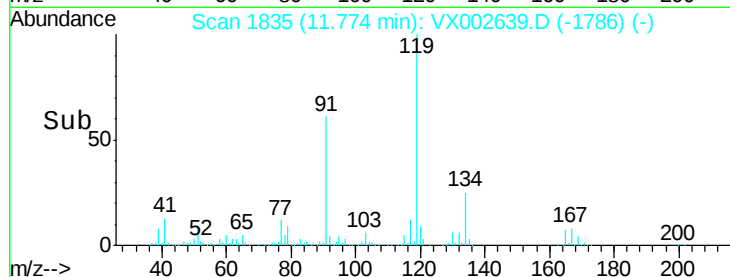
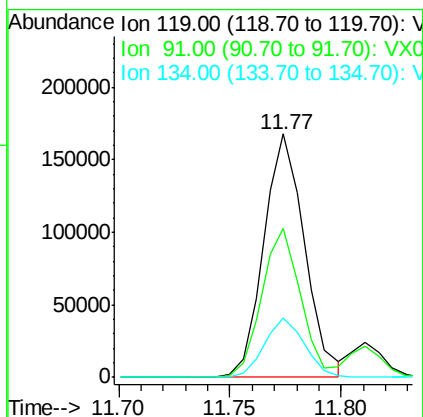
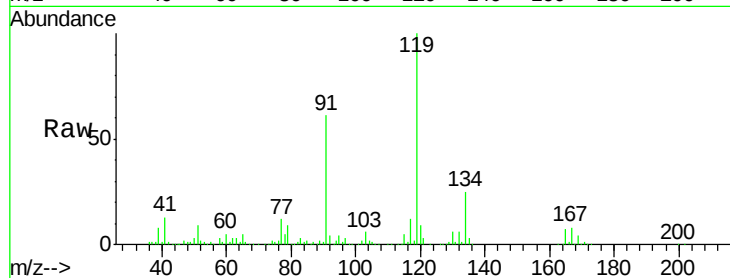




#83
tert-Butylbenzene
Concen: 20.90 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX002639.D
Acq: 16 Jun 2018 11:10

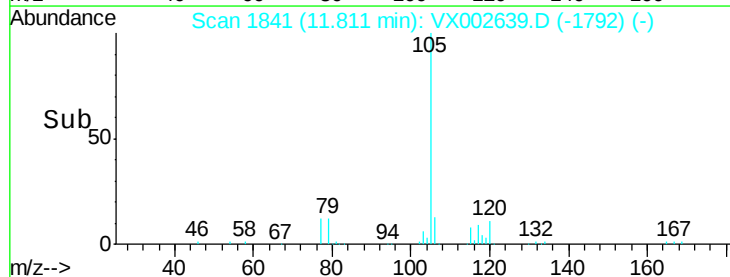
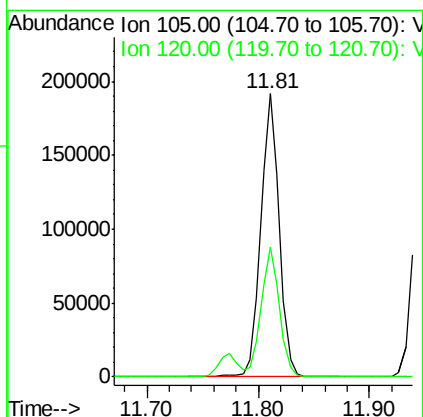
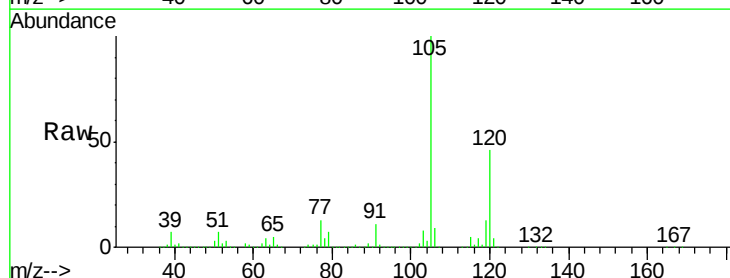
Instrument :
MSVOA_X
ClientSampled :

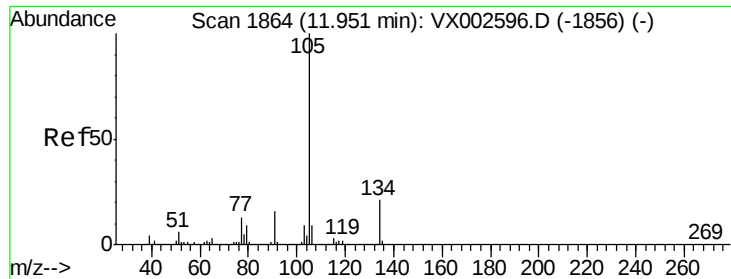
Tot Ion:119 Resp: 212765
Ion Ratio Lower Upper
119 100
91 59.5 30.3 90.9
134 23.9 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 20.59 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX002639.D
Acq: 16 Jun 2018 11:10

Tgt Ion:105 Resp: 222027
Ion Ratio Lower Upper
105 100
120 45.5 22.3 66.8





#85

sec-Butylbenzene

Concen: 20.73 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :

MSVOA_X

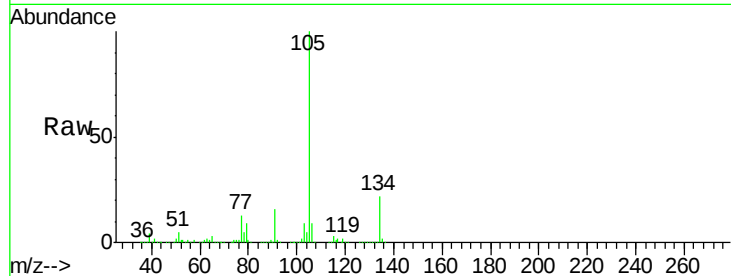
ClientSampled :

Tot Ion:105 Resp: 262322

Ion Ratio Lower Upper

105 100

134 21.4 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

250000

200000

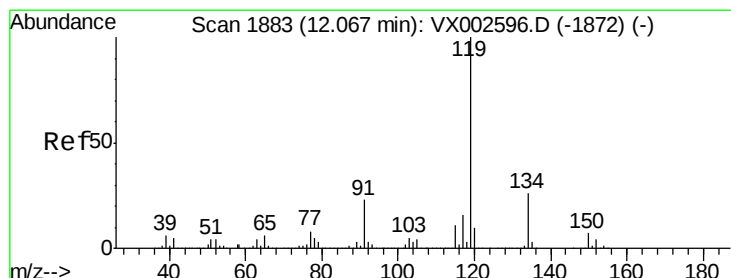
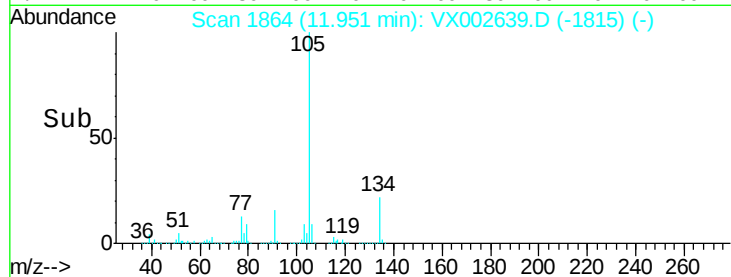
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.51 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

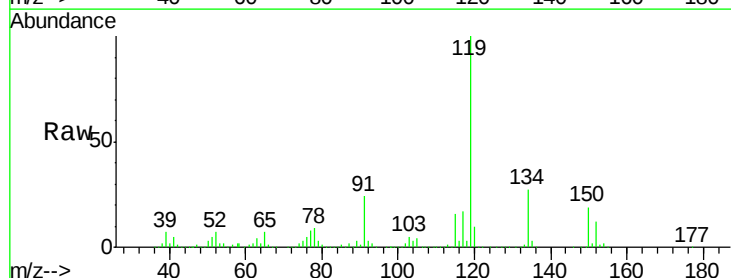
Tgt Ion:119 Resp: 234858

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 23.7 11.9 35.7



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

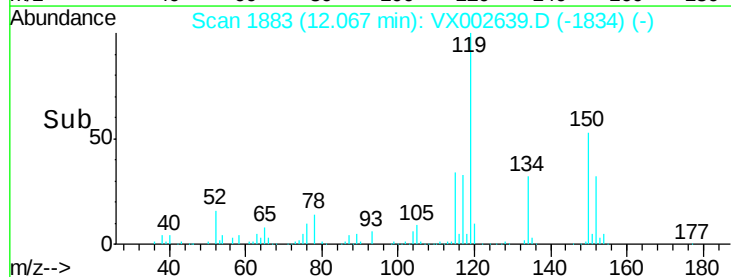
150000

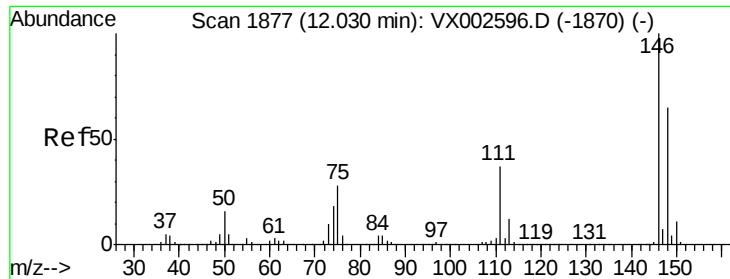
100000

50000

0

Time-->

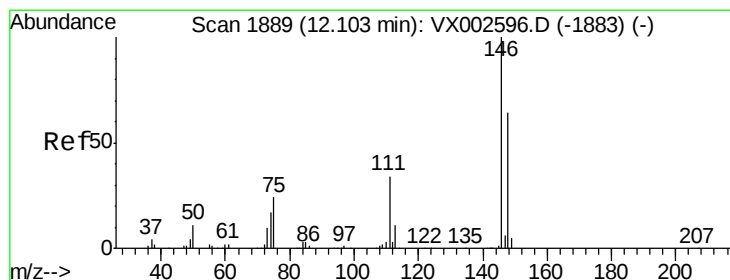
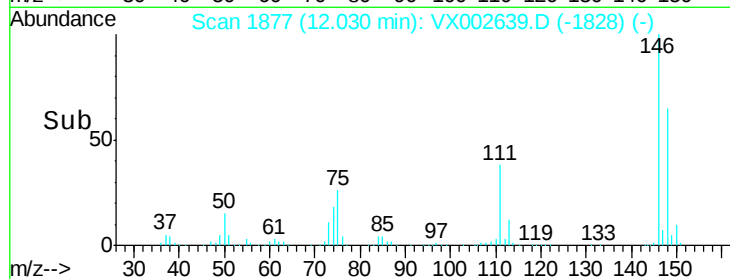
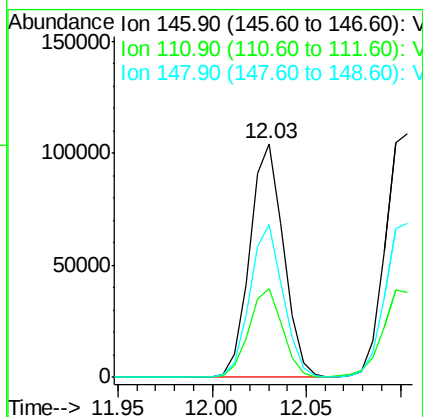
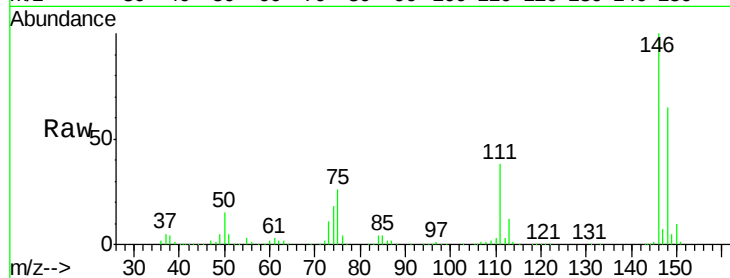




#87
 1,3-Dichlorobenzene
 Concen: 20.18 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002639.D
 Acq: 16 Jun 2018 11:10

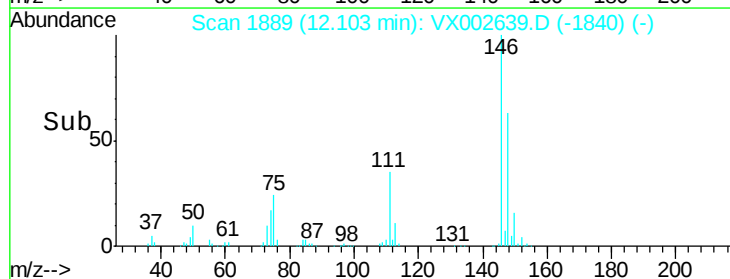
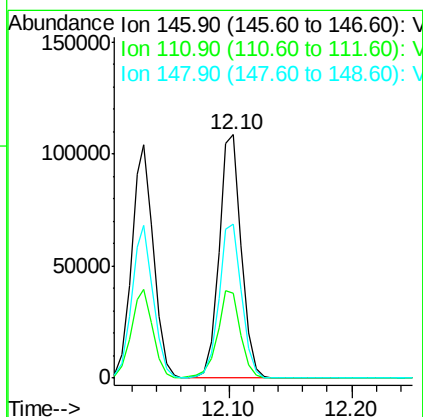
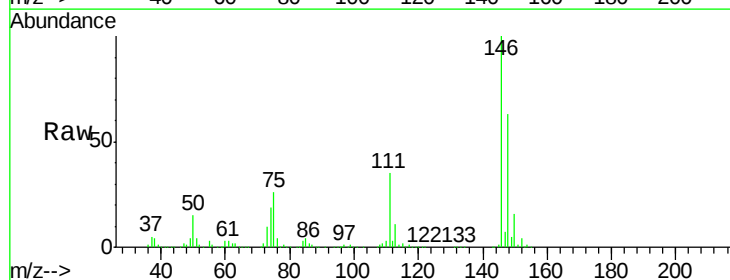
Instrument :
 MSVOA_X
 ClientSampled :

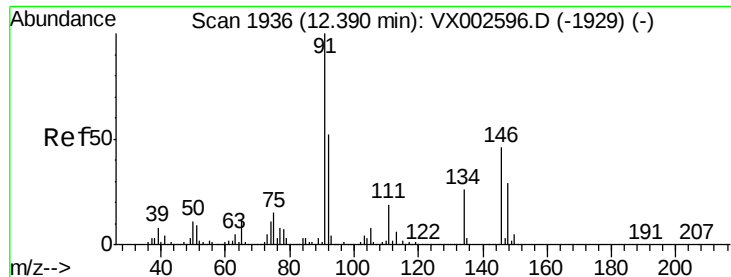
Tot Ion:146 Resp: 128922
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.9 56.7
 148 64.3 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 21.05 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002639.D
 Acq: 16 Jun 2018 11:10

Tgt Ion:146 Resp: 136791
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.7 56.1
 148 64.6 32.4 97.0





#89

n-Butylbenzene

Concen: 20.20 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :

MSVOA_X

ClientSampled :

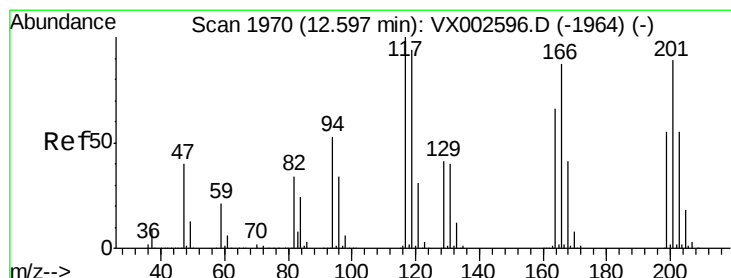
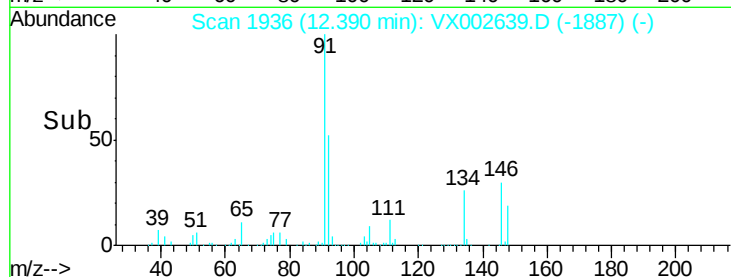
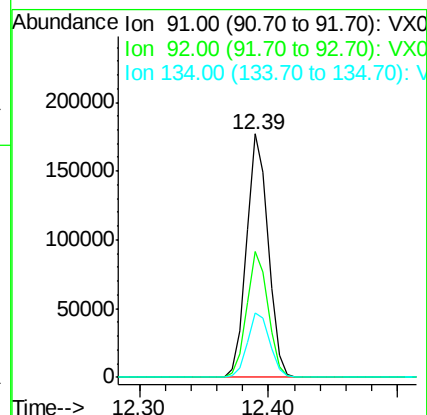
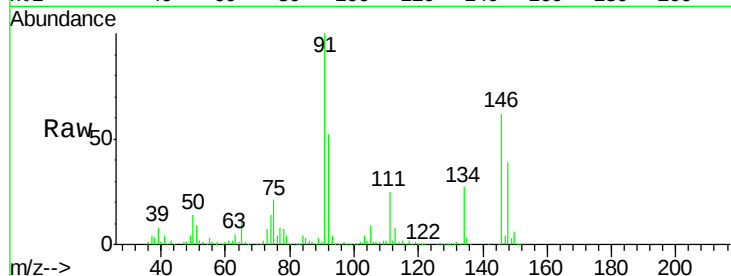
Tot Ion: 91 Resp: 204056

Ion Ratio Lower Upper

91 100

92 51.4 26.0 78.0

134 27.1 13.5 40.5



#90

Hexachloroethane

Concen: 18.08 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX002639.D

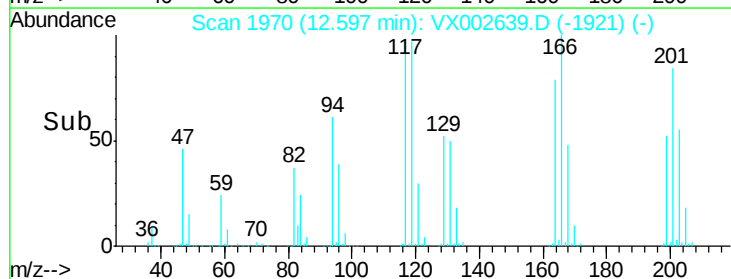
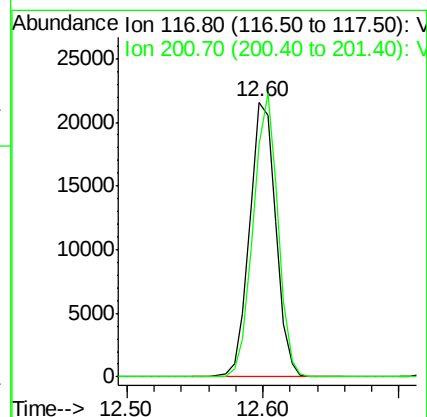
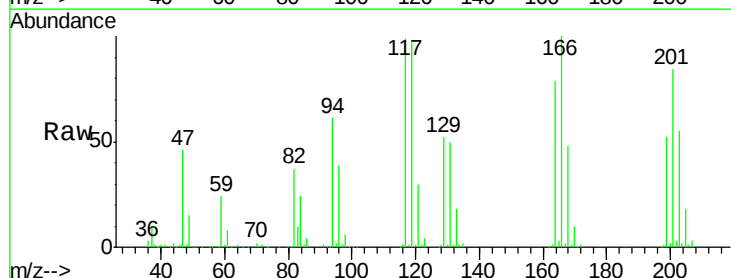
Acq: 16 Jun 2018 11:10

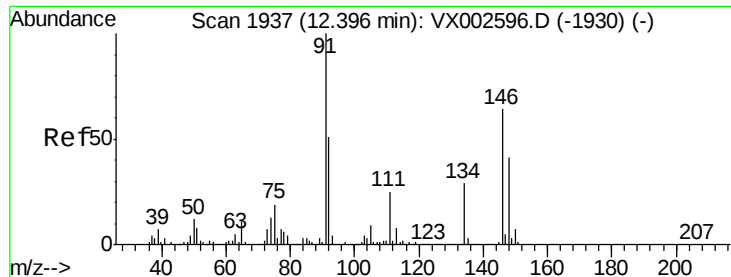
Tgt Ion: 117 Resp: 29114

Ion Ratio Lower Upper

117 100

201 96.9 49.0 147.0

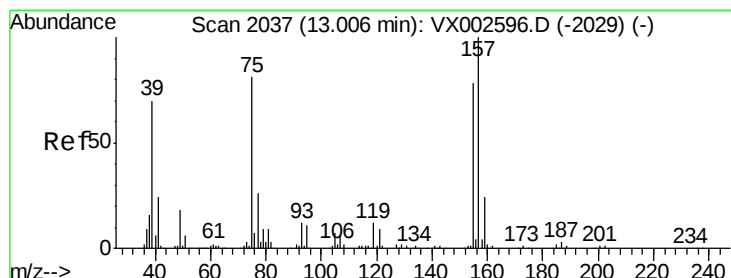
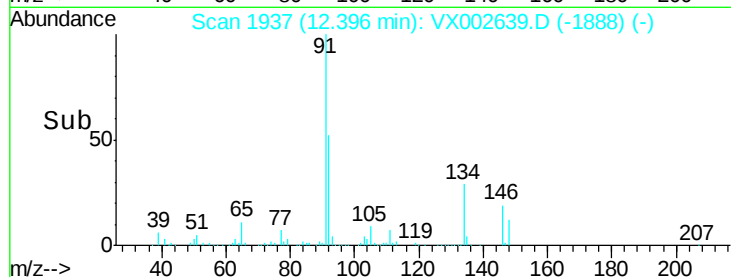
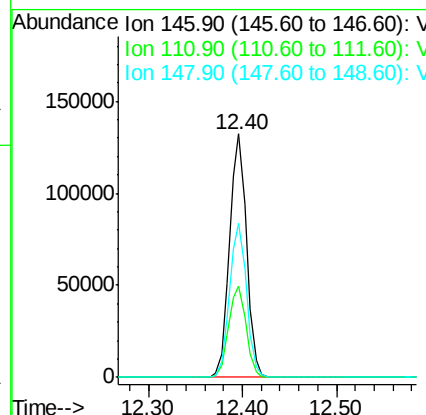
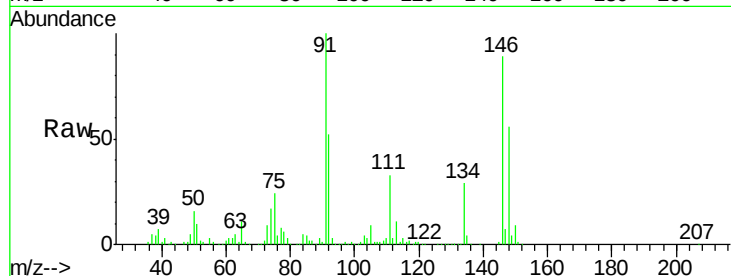




#91
 1,2-Dichlorobenzene
 Concen: 25.76 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002639.D
 Acq: 16 Jun 2018 11:10

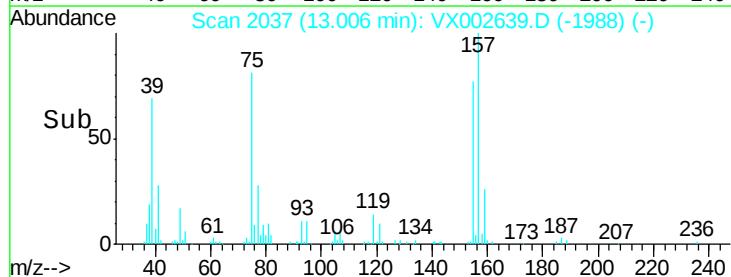
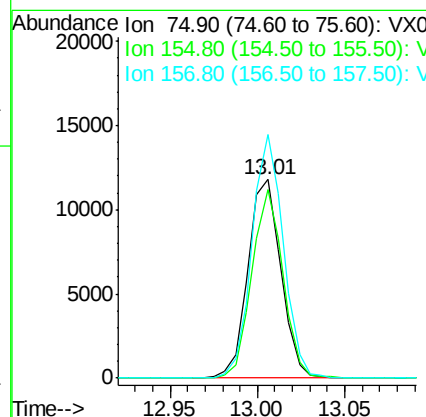
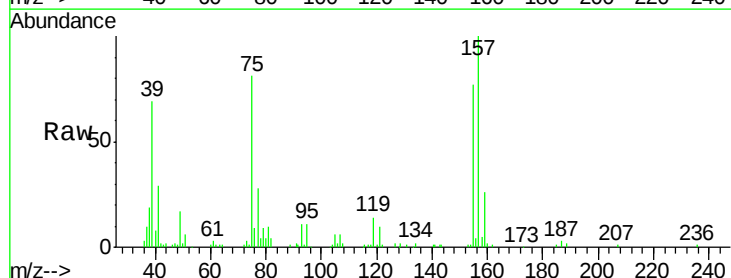
Instrument :
 MSVOA_X
 ClientSampleId :

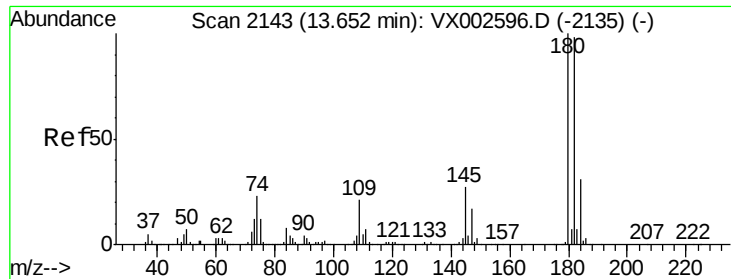
Tot Ion:146 Resp: 165580
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.4 58.1
 148 63.3 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.94 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002639.D
 Acq: 16 Jun 2018 11:10

Tgt Ion: 75 Resp: 15420
 Ion Ratio Lower Upper
 75 100
 155 89.6 45.8 137.4
 157 116.4 60.1 180.3

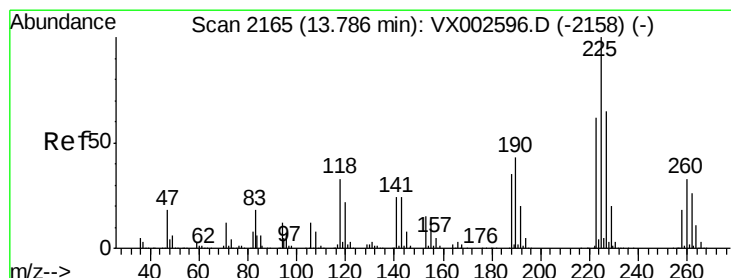
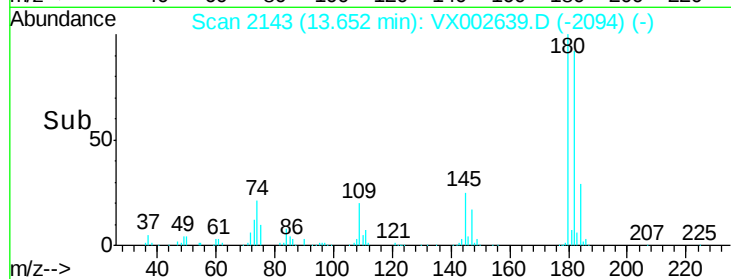
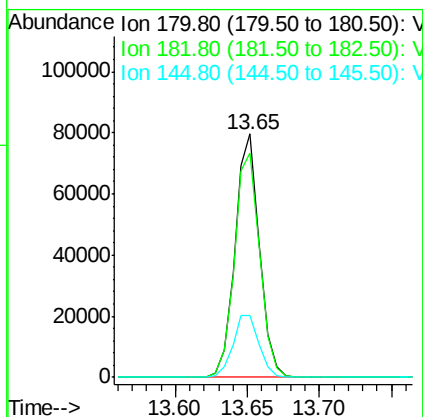
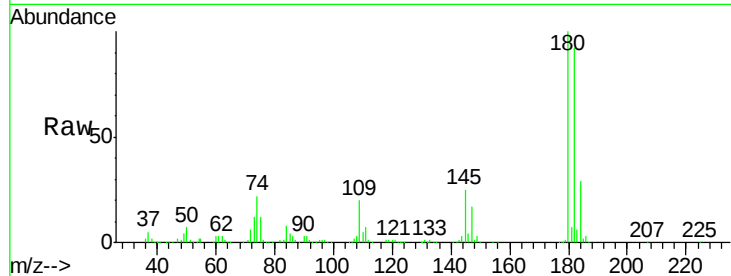




#93
 1,2,4-Trichlorobenzene
 Concen: 20.10 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002639.D
 Acq: 16 Jun 2018 11:10

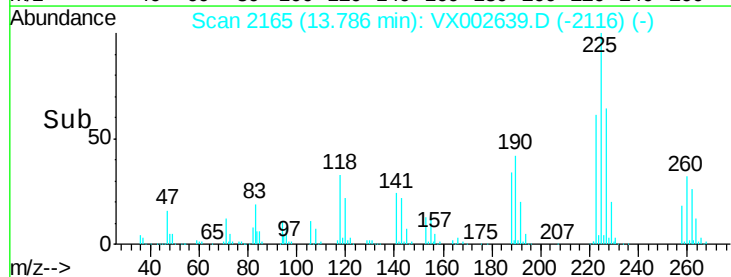
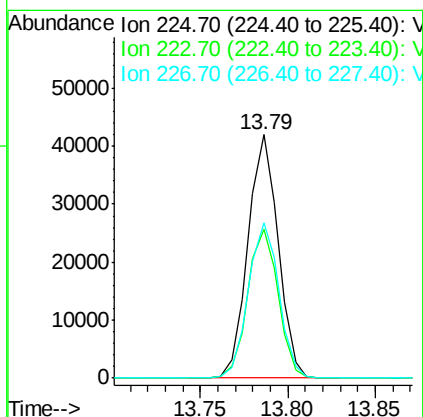
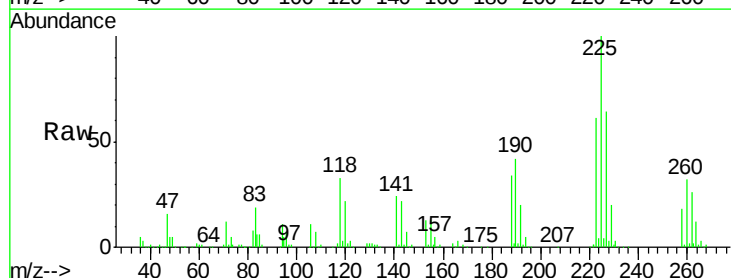
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 93777
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.7 143.1
 145 27.6 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 20.51 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002639.D
 Acq: 16 Jun 2018 11:10

Tgt Ion:225 Resp: 50401
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.6 95.0
 227 64.6 32.4 97.2





#95

Naphthalene

Concen: 20.29 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

Instrument :

MSVOA_X

ClientSampleId :

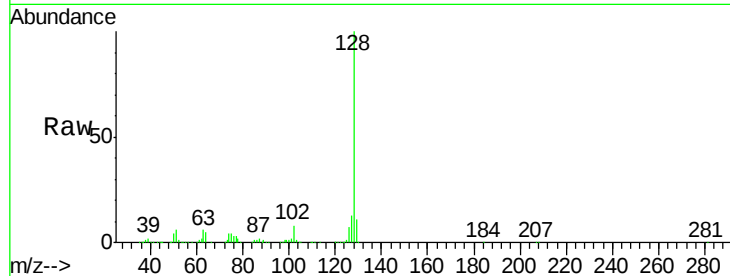
Tot Ion:128 Resp: 254735

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

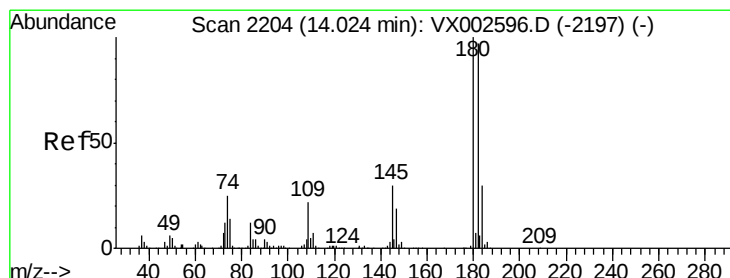
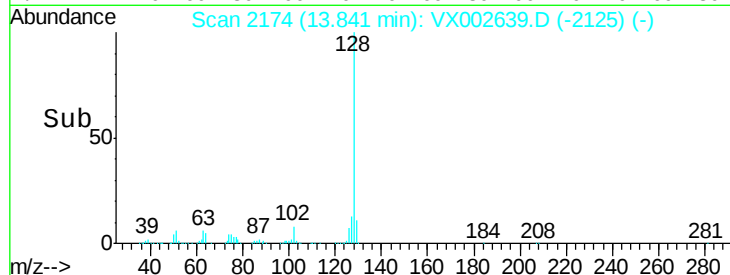
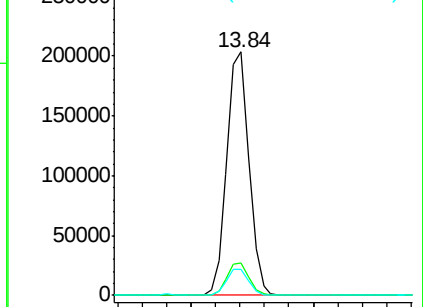
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.19 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002639.D

Acq: 16 Jun 2018 11:10

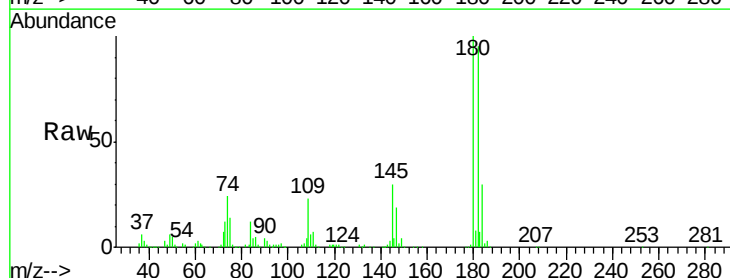
Tgt Ion:180 Resp: 94613

Ion Ratio Lower Upper

180 100

182 95.7 48.0 144.0

145 29.7 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

