

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062018\
 Data File : VX002757.D
 Acq On : 20 Jun 2018 22:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 21 05:53:28 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	235745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	326408	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	318024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203372	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	155758	43.48	ug/l	0.00
Spiked Amount						
			Recovery	=	86.96%	
35) Dibromofluoromethane	5.51	113	126111	48.41	ug/l	0.00
Spiked Amount						
			Recovery	=	96.82%	
50) Toluene-d8	8.72	98	452883	45.79	ug/l	0.00
Spiked Amount						
			Recovery	=	91.58%	
62) 4-Bromofluorobenzene	11.14	95	177049	47.24	ug/l	0.00
Spiked Amount						
			Recovery	=	94.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	118435	47.32	ug/l	98
3) Chloromethane	1.32	50	116570	39.16	ug/l	99
4) Vinyl Chloride	1.40	62	133551	43.23	ug/l	89
5) Bromomethane	1.64	94	46995	25.21	ug/l	100
6) Chloroethane	1.71	64	86619	42.54	ug/l	100
7) Trichlorofluoromethane	1.92	101	236500	47.12	ug/l	97
8) Diethyl Ether	2.19	74	83402	43.69	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	129623	46.20	ug/l	99
10) Methyl Iodide	2.51	142	98401	28.48	ug/l	99
11) Tert butyl alcohol	3.09	59	174835	236.08	ug/l	99
12) 1,1-Dichloroethene	2.37	96	118495	44.98	ug/l	98
13) Acrolein	2.30	56	88868	255.80	ug/l	100
14) Allyl chloride	2.73	41	232713	44.49	ug/l	100
15) Acrylonitrile	3.15	53	371645	229.97	ug/l	100
16) Acetone	2.45	43	349736	221.28	ug/l	100
17) Carbon Disulfide	2.57	76	337703	54.05	ug/l	99
18) Methyl Acetate	2.78	43	204906	48.66	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	434169	43.94	ug/l	100
20) Methylene Chloride	2.86	84	132034	40.74	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	127805	44.72	ug/l	98
22) Diisopropyl ether	3.88	45	433441	45.81	ug/l	98
23) Vinyl Acetate	3.83	43	1883841	237.86	ug/l	99
24) 1,1-Dichloroethane	3.70	63	248241	48.34	ug/l	99
25) 2-Butanone	4.71	43	518227	249.67	ug/l	97
26) 2,2-Dichloropropane	4.59	77	143928	39.00	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	138729	47.71	ug/l	94
28) Bromochloromethane	5.03	49	106020	44.08	ug/l	94
29) Tetrahydrofuran	5.17	42	338541	248.86	ug/l	97
30) Chloroform	5.22	83	246089	49.69	ug/l	98
31) Cyclohexane	5.57	56	203323	48.08	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	218729	52.81	ug/l	100
36) 1,1-Dichloropropene	5.80	75	174261	50.27	ug/l	99
37) Ethyl Acetate	4.87	43	203189	51.78	ug/l	100
38) Carbon Tetrachloride	5.79	117	198548	57.52	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	201770	49.79	ug/l	96
40) Benzene	6.15	78	515993	49.64	ug/l	98
41) Methacrylonitrile	5.07	41	114138	51.52	ug/l	98
42) 1,2-Dichloroethane	6.20	62	204185	50.74	ug/l	100
43) Isopropyl Acetate	6.47	43	327287	50.34	ug/l	99
44) Trichloroethene	7.22	130	150828	50.27	ug/l	99
45) 1,2-Dichloropropane	7.52	63	135339	49.47	ug/l	100
46) Dibromomethane	7.66	93	95210	52.03	ug/l	98
47) Bromodichloromethane	7.90	83	184121	57.04	ug/l	98
48) Methyl methacrylate	7.78	41	169449	51.01	ug/l	98
49) 1,4-Dioxane	7.76	88	68809	1093.73	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1095395	262.43	ug/l	99
52) Toluene	8.79	92	335101	50.54	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	204033	47.86	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	190943	47.05	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	138607	51.73	ug/l	98
56) Ethyl methacrylate	9.19	69	214213	51.95	ug/l	97
57) 1,3-Dichloropropane	9.38	76	226253	49.93	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	437883	219.57	ug/l	98
59) 2-Hexanone	9.50	43	843149	268.06	ug/l	98
60) Dibromochloromethane	9.59	129	156286	51.72	ug/l	100
61) 1,2-Dibromoethane	9.68	107	148709	53.59	ug/l	99
64) Tetrachloroethene	9.34	164	161822	45.84	ug/l	98
65) Chlorobenzene	10.14	112	390270	49.97	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	146637	55.07	ug/l	99
67) Ethyl Benzene	10.26	91	663413	50.36	ug/l	98
68) m/p-Xylenes	10.37	106	517244	101.79	ug/l	99
69) o-Xylene	10.70	106	253780	50.83	ug/l	98
70) Styrene	10.72	104	425452	51.82	ug/l	99
71) Bromoform	10.86	173	123393	50.82	ug/l #	98
73) Isopropylbenzene	11.02	105	684945	50.36	ug/l	100
74) N-amyl acetate	6.47	43	327287	48.43	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	220656	54.93	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	233471	60.84	ug/l	79
77) Bromobenzene	11.26	156	191058	50.42	ug/l	97
78) n-propylbenzene	11.37	91	776744	49.79	ug/l	99
79) 2-Chlorotoluene	11.43	91	460907	49.49	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	579503	50.41	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	47244	40.28	ug/l	99
82) 4-Chlorotoluene	11.52	91	549711	50.02	ug/l	99
83) tert-Butylbenzene	11.77	119	578499	52.24	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	600090	51.16	ug/l	100
85) sec-Butylbenzene	11.95	105	685727	49.80	ug/l	99
86) p-Isopropyltoluene	12.07	119	628819	50.47	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	345636	49.74	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	349859	49.48	ug/l	99
89) n-Butylbenzene	12.39	91	535084	48.69	ug/l	100
90) Hexachloroethane	12.60	117	87786	45.46	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	352819	50.44	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	49880	59.29	ug/l	98

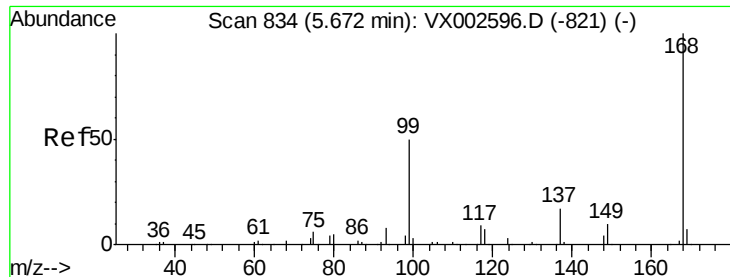
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	256700	50.57	ug/l	99
94) Hexachlorobutadiene	13.79	225	128838	48.18	ug/l	99
95) Naphthalene	13.84	128	737118	53.96	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	261268	51.25	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: VX002757.D

Acq: 20 Jun 2018 22:33

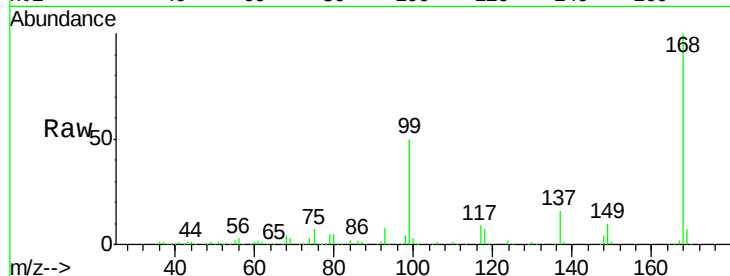
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 235745

Ion Ratio Lower Upper

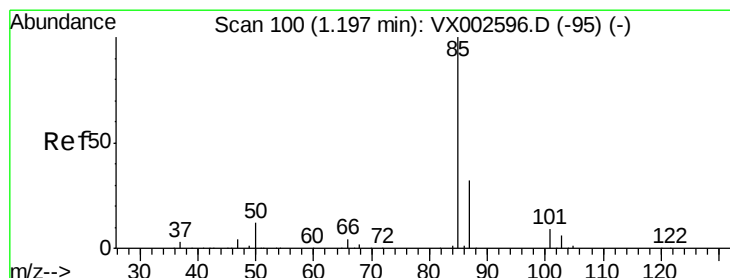
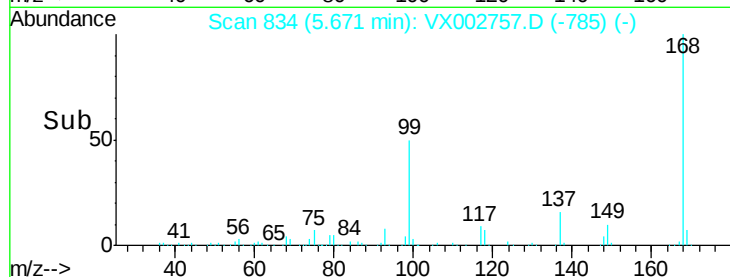
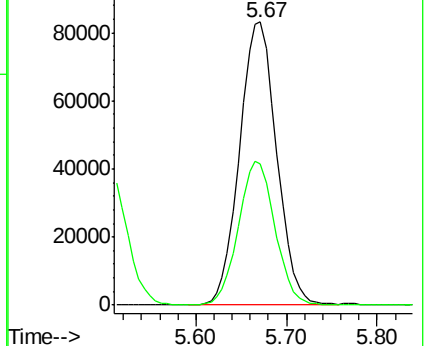
168 100

99 49.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 47.32 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002757.D

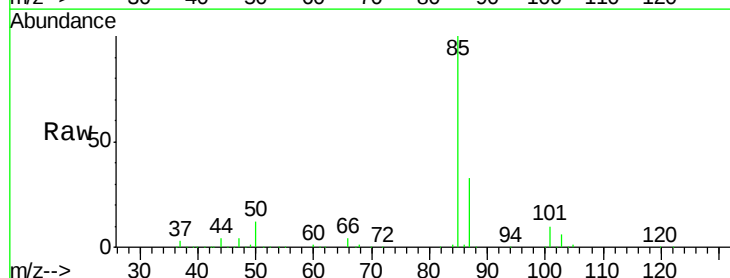
Acq: 20 Jun 2018 22:33

Tgt Ion: 85 Resp: 118435

Ion Ratio Lower Upper

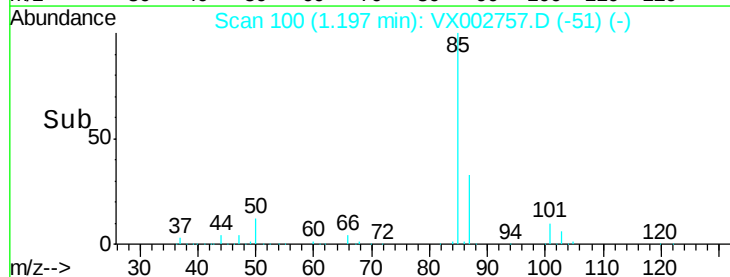
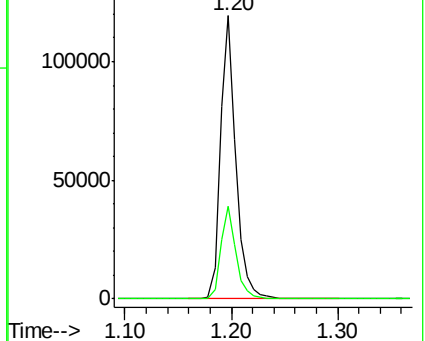
85 100

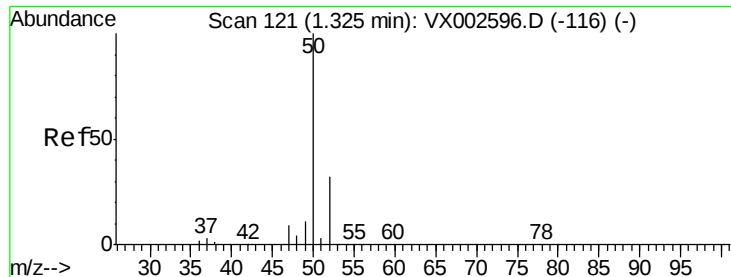
87 32.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 39.16 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

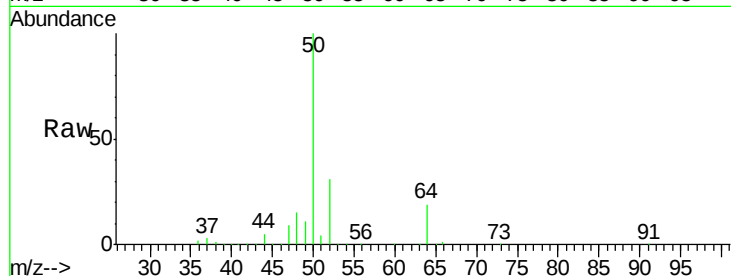
ClientSampleId :

Tot Ion: 50 Resp: 116570

Ion Ratio Lower Upper

50 100

52 31.6 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

120000

100000

80000

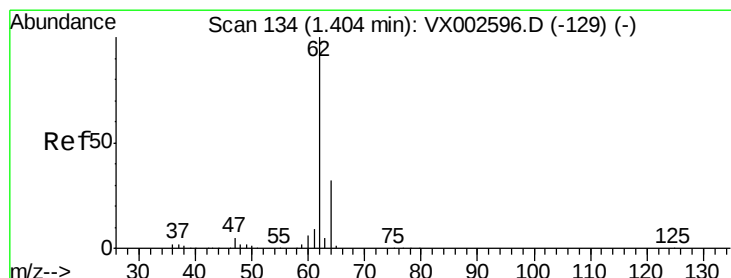
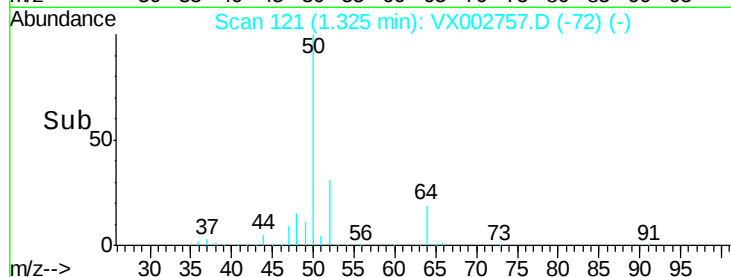
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 43.23 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002757.D

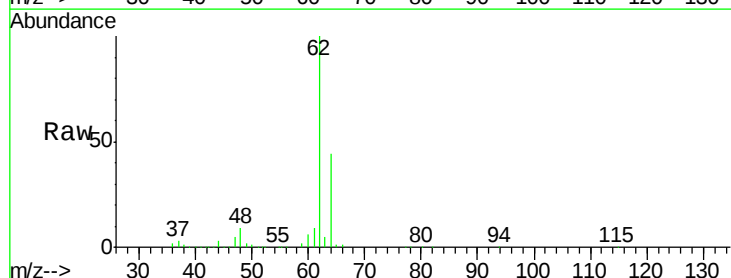
Acq: 20 Jun 2018 22:33

Tgt Ion: 62 Resp: 133551

Ion Ratio Lower Upper

62 100

64 37.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

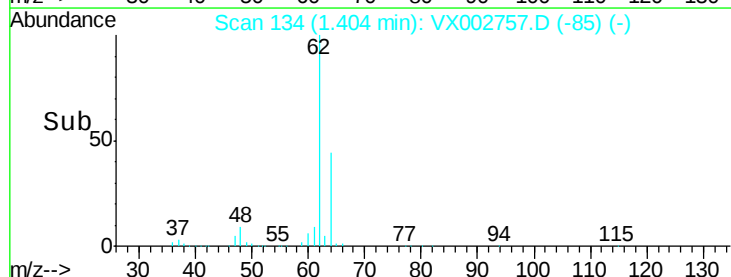
1.40

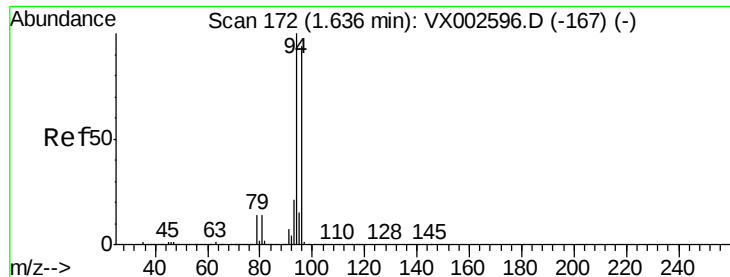
100000

50000

0

Time-->





#5

Bromomethane

Concen: 25.21 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

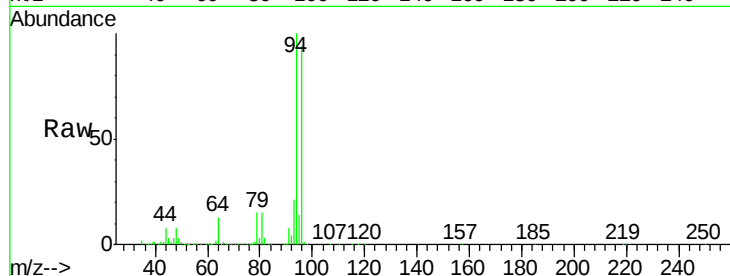
ClientSampleId :

Tot Ion: 94 Resp: 46995

Ion Ratio Lower Upper

94 100

96 93.9 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

50000

40000

30000

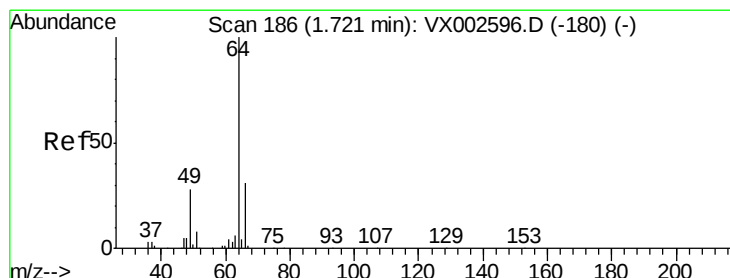
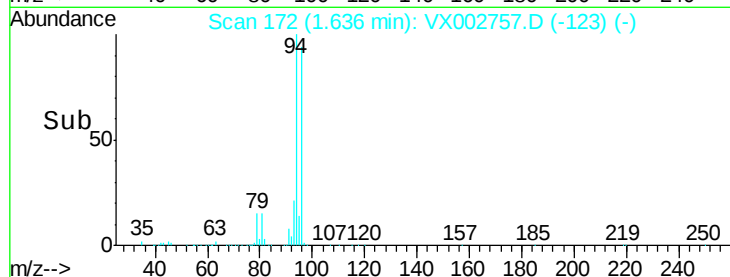
20000

10000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 42.54 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002757.D

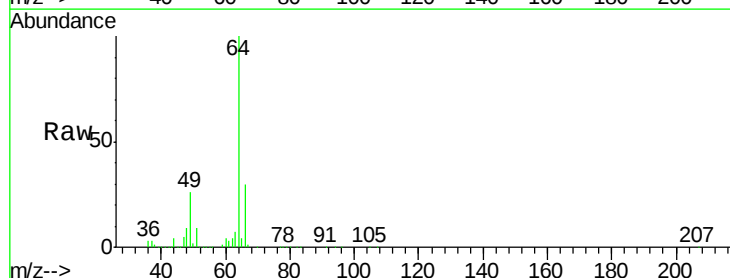
Acq: 20 Jun 2018 22:33

Tgt Ion: 64 Resp: 86619

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

80000

60000

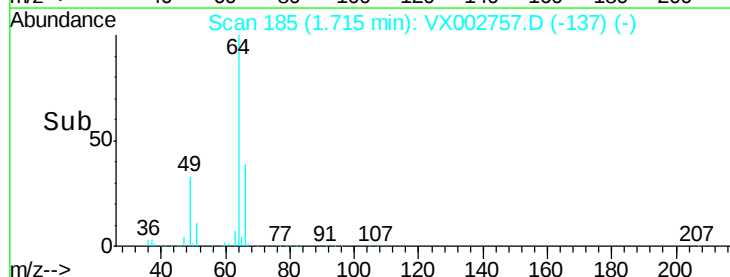
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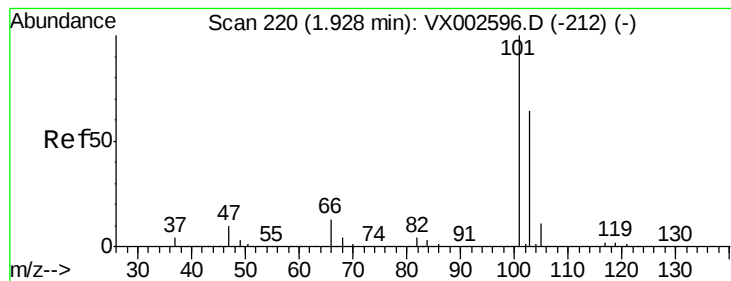
20000

0

Time-->

1.65 1.70 1.75 1.80



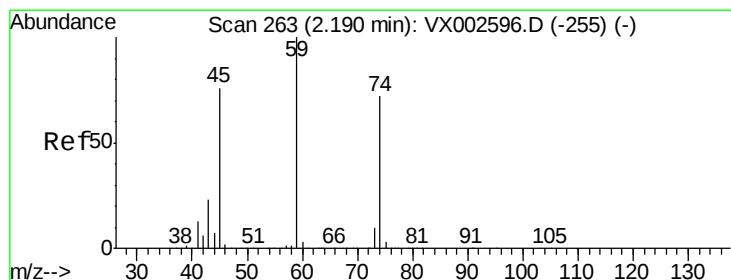
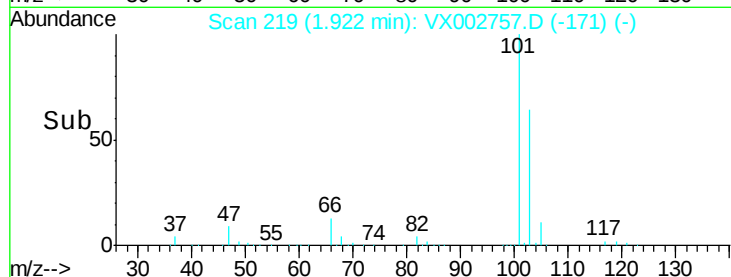
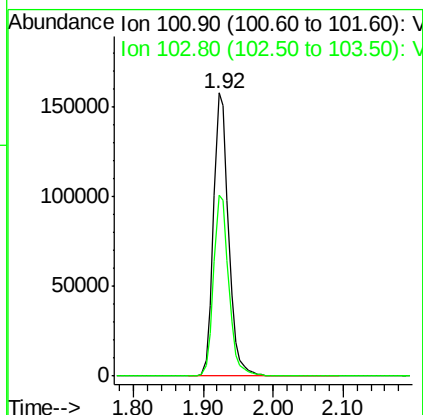
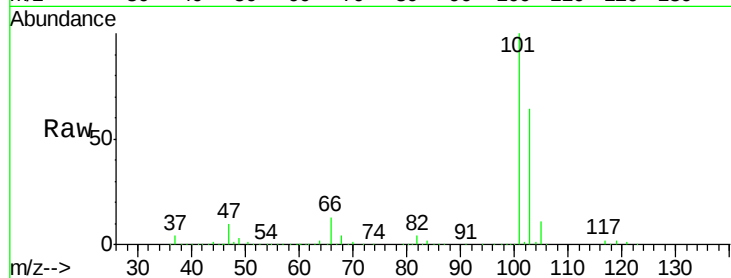


#7

Trichlorofluoromethane
 Concen: 47.12 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX002757.D
 Acq: 20 Jun 2018 22:33

Instrument :
 MSVOA_X
 ClientSampleId :

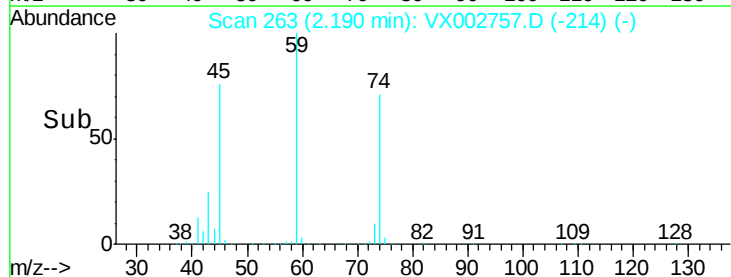
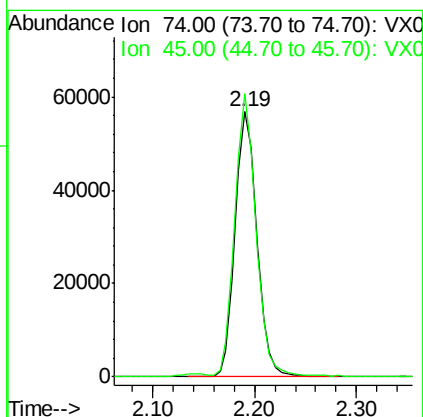
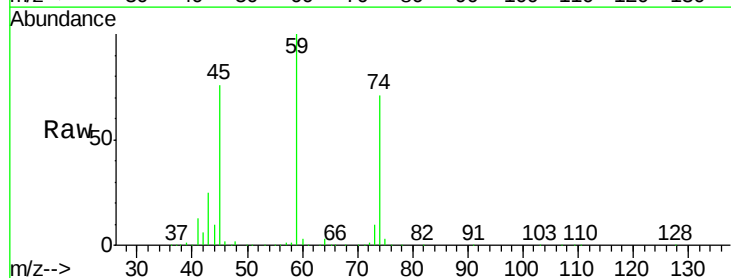
Tot Ion:101 Resp: 236500
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.8 79.2

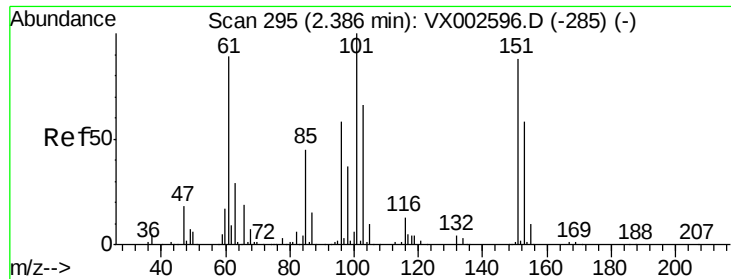


#8

Diethyl Ether
 Concen: 43.69 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX002757.D
 Acq: 20 Jun 2018 22:33

Tgt Ion: 74 Resp: 83402
 Ion Ratio Lower Upper
 74 100
 45 103.6 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.20 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

ClientSampled :

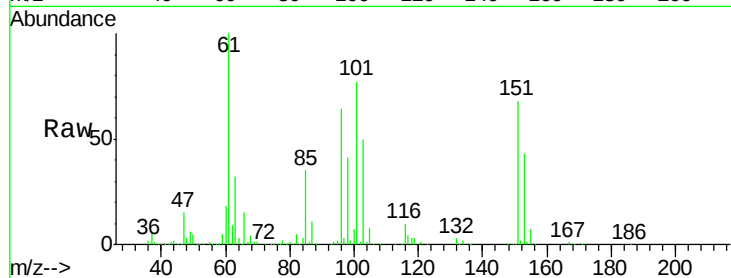
Tot Ion:101 Resp: 129623

Ion Ratio Lower Upper

101 100

85 46.0 36.0 54.0

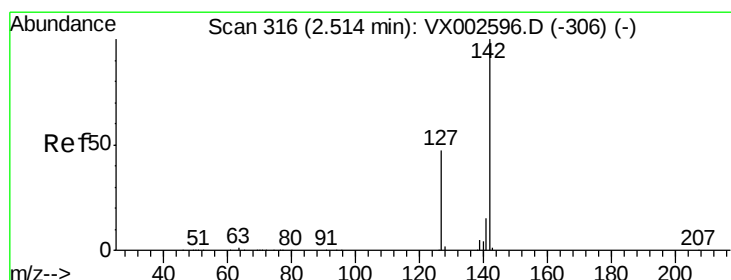
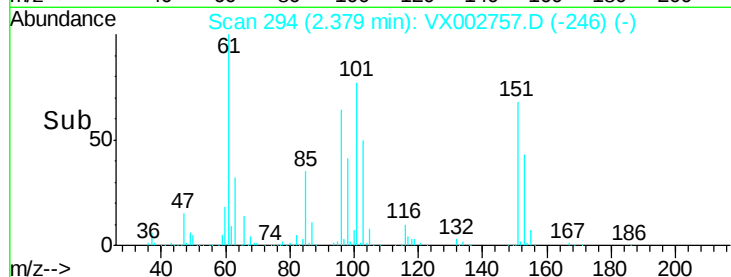
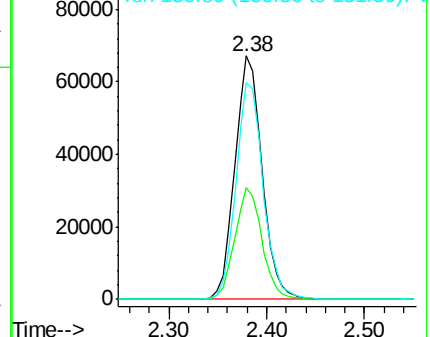
151 89.3 70.9 106.3



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: 28.48 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

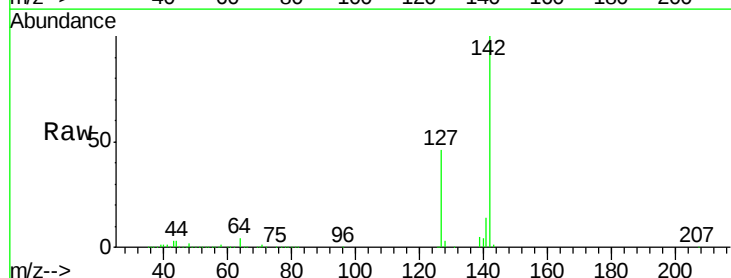
Tgt Ion:142 Resp: 98401

Ion Ratio Lower Upper

142 100

127 46.1 36.6 55.0

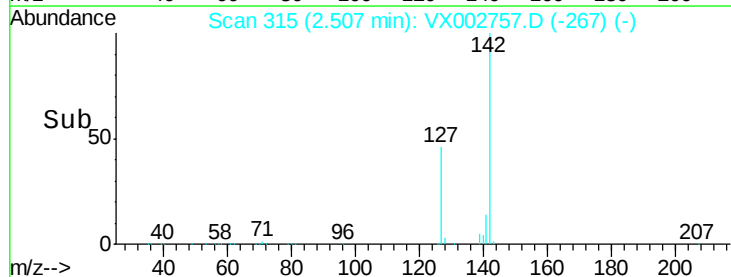
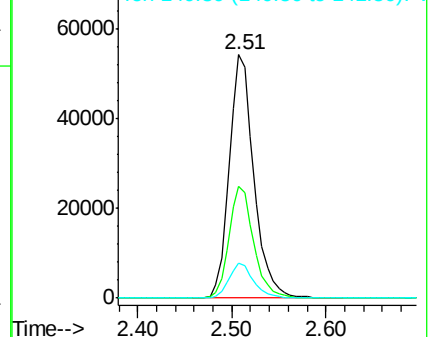
141 14.5 11.3 16.9

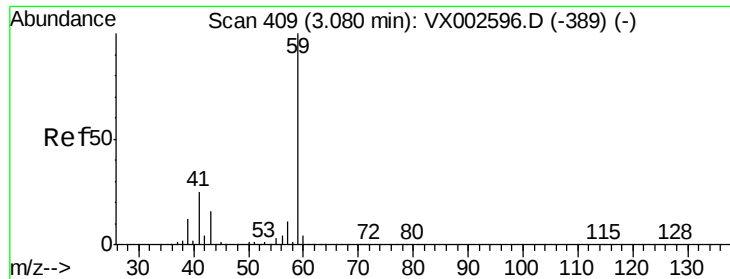


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

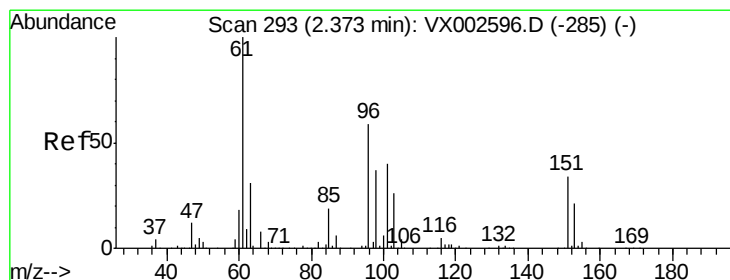
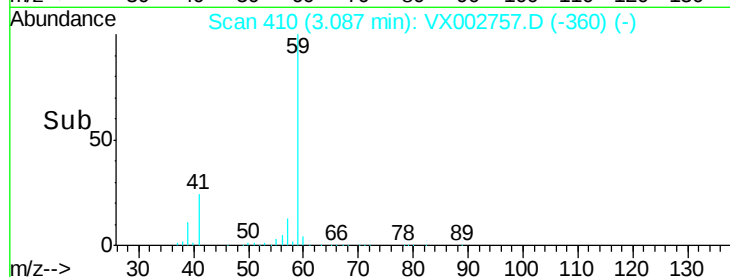
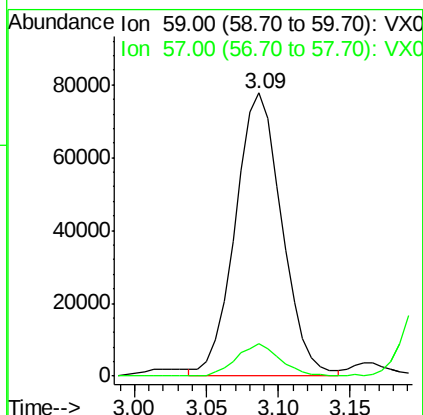
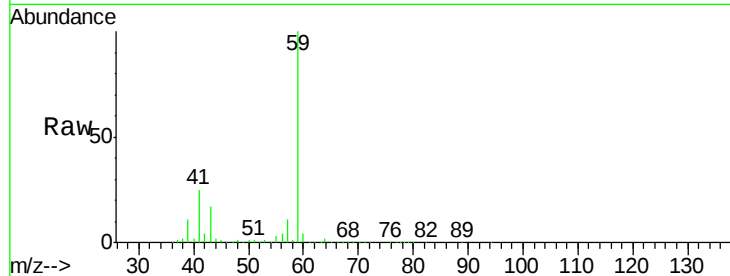




#11
Tert butyl alcohol
Concen: 236.08 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX002757.D
Acq: 20 Jun 2018 22:33

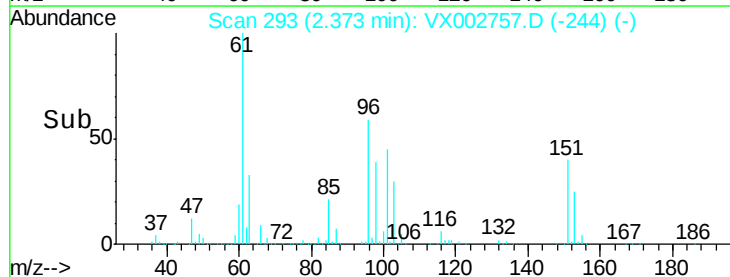
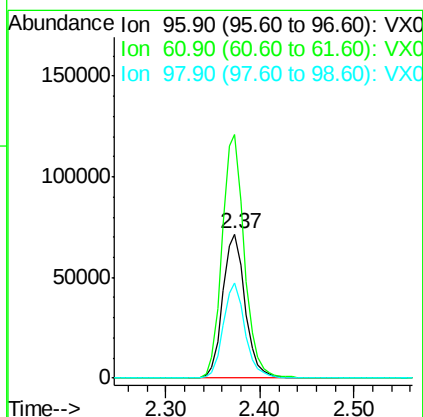
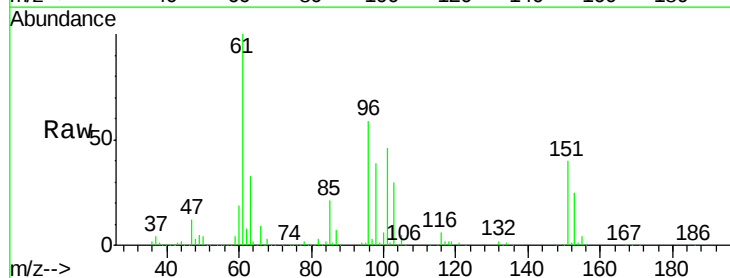
Instrument :
MSVOA_X
ClientSampleId :

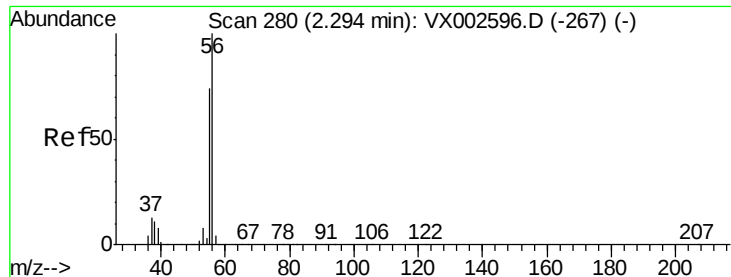
Tot Ion: 59 Resp: 174835
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.2



#12
1,1-Dichloroethene
Concen: 44.98 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002757.D
Acq: 20 Jun 2018 22:33

Tgt Ion: 96 Resp: 118495
Ion Ratio Lower Upper
96 100
61 168.9 137.9 206.9
98 66.1 51.6 77.4





#13

Acrolein

Concen: 255.80 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

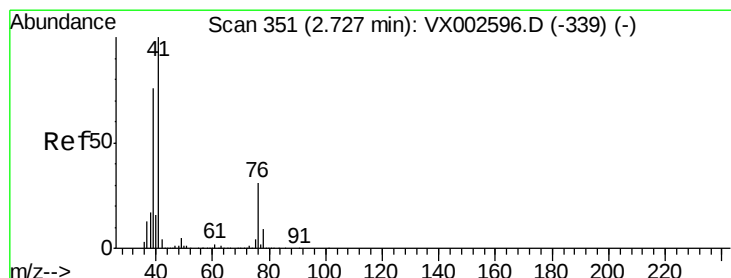
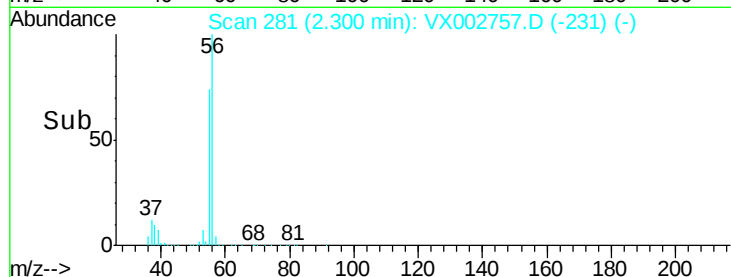
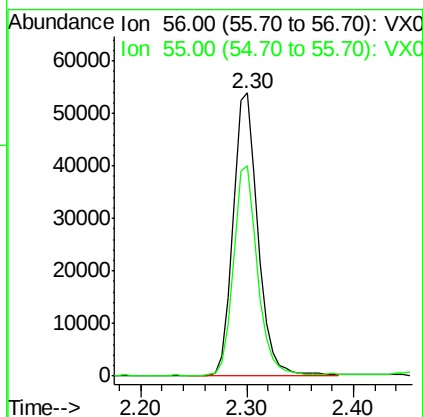
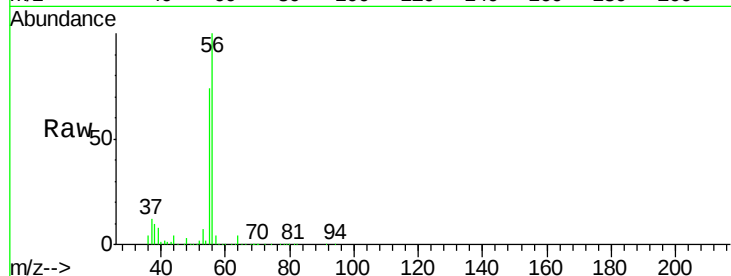
ClientSampleId :

Tot Ion: 56 Resp: 88868

Ion Ratio Lower Upper

56 100

55 71.0 57.0 85.4



#14

Allyl chloride

Concen: 44.49 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

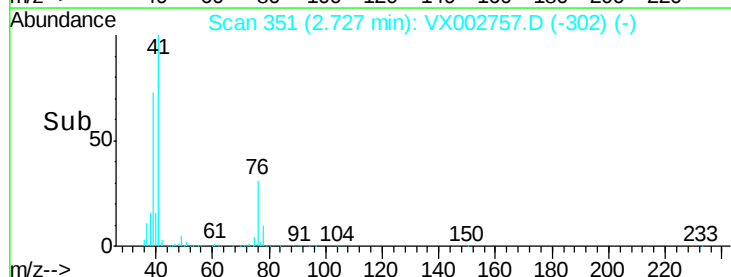
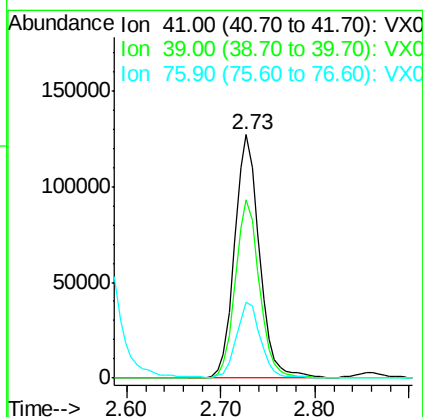
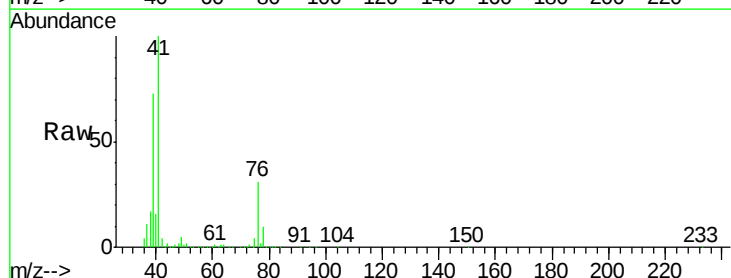
Tgt Ion: 41 Resp: 232713

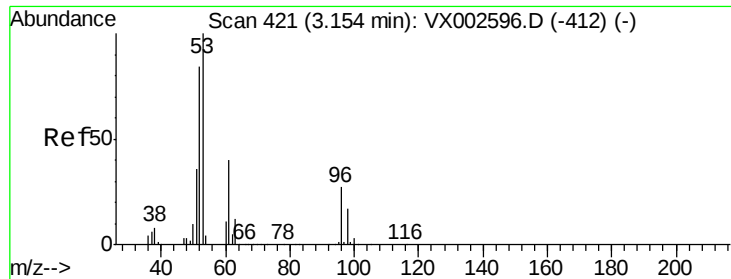
Ion Ratio Lower Upper

41 100

39 70.9 56.8 85.2

76 30.2 23.8 35.8





#15

Acrylonitrile

Concen: 229.97 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

ClientSampleId :

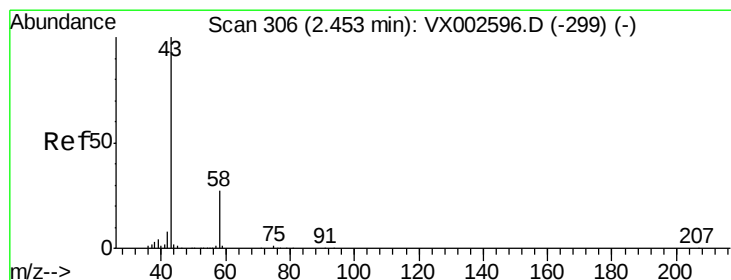
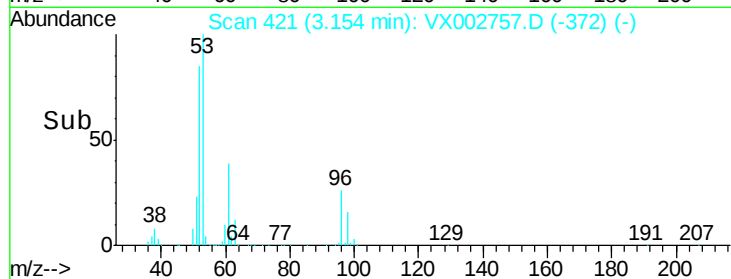
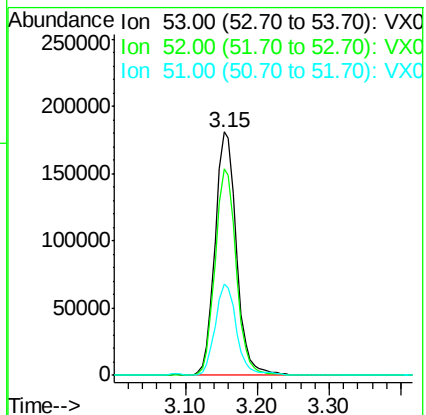
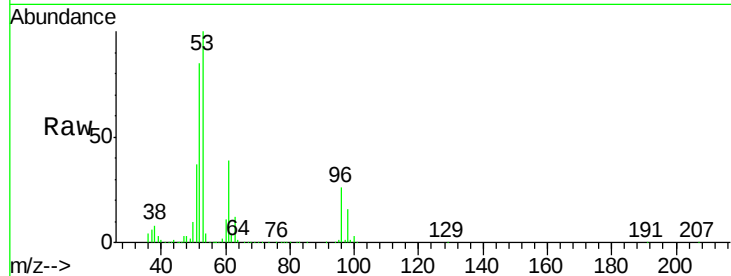
Tot Ion: 53 Resp: 371645

Ion Ratio Lower Upper

53 100

52 83.6 66.7 100.1

51 37.5 29.9 44.9



#16

Acetone

Concen: 221.28 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002757.D

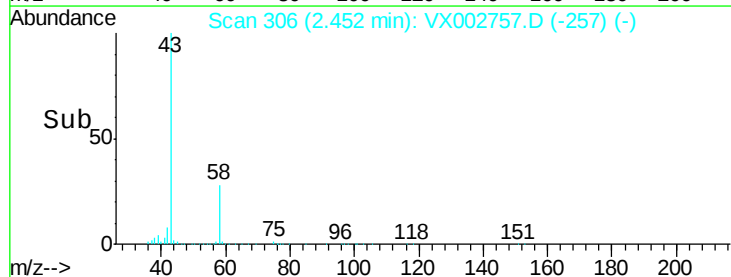
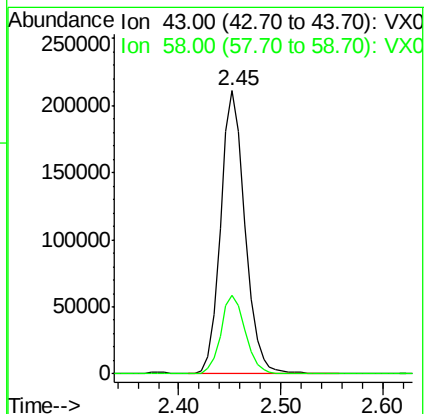
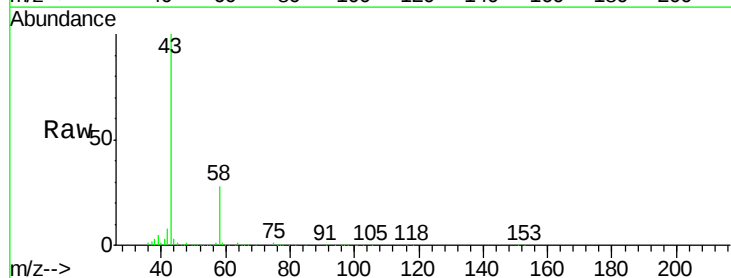
Acq: 20 Jun 2018 22:33

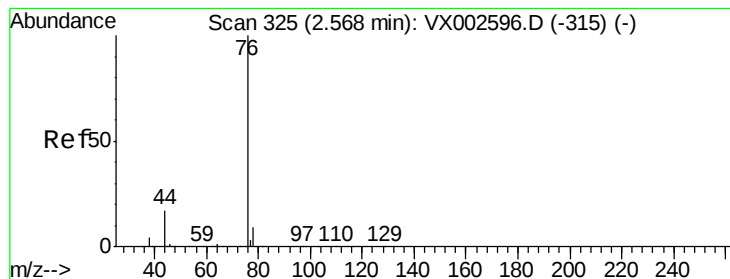
Tgt Ion: 43 Resp: 349736

Ion Ratio Lower Upper

43 100

58 27.8 22.1 33.1





#17

Carbon Disulfide

Concen: 54.05 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

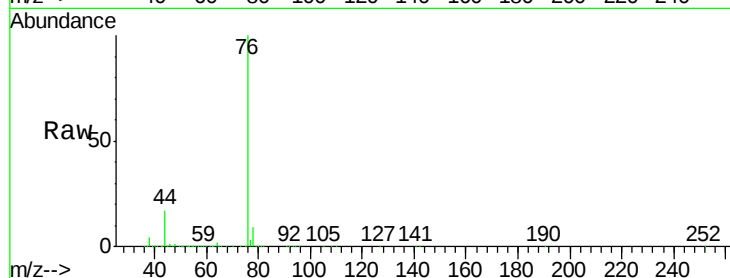
ClientSampleId :

Tot Ion: 76 Resp: 337703

Ion Ratio Lower Upper

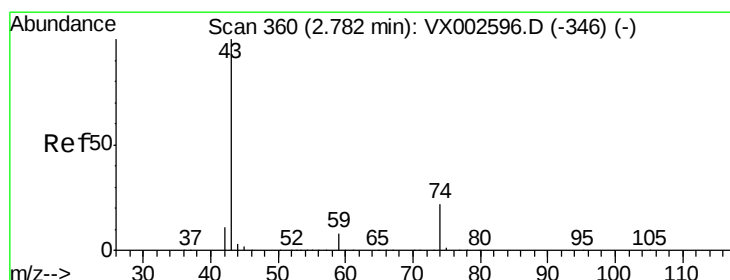
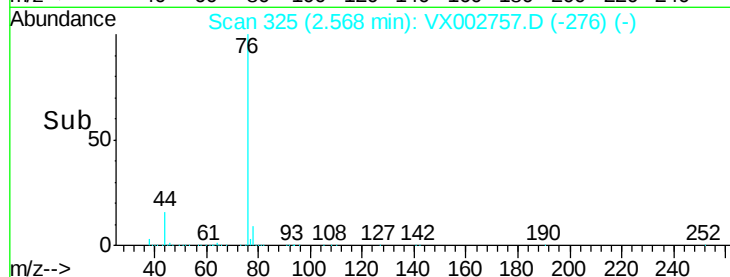
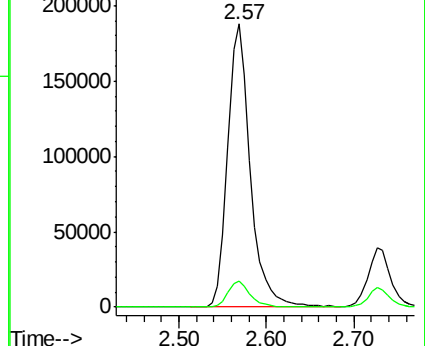
76 100

78 9.1 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: 48.66 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002757.D

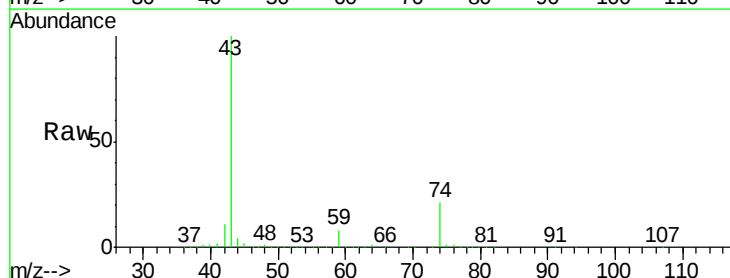
Acq: 20 Jun 2018 22:33

Tgt Ion: 43 Resp: 204906

Ion Ratio Lower Upper

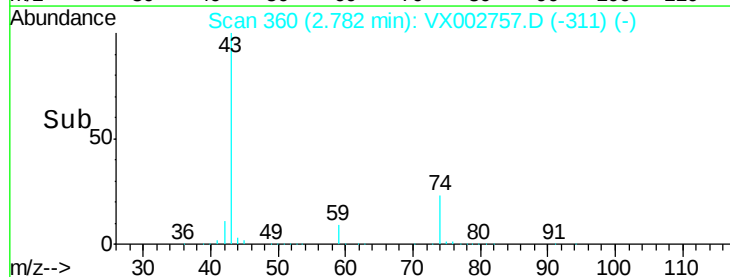
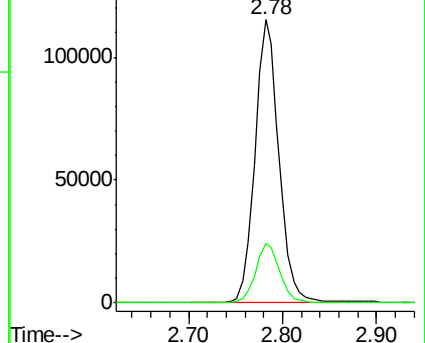
43 100

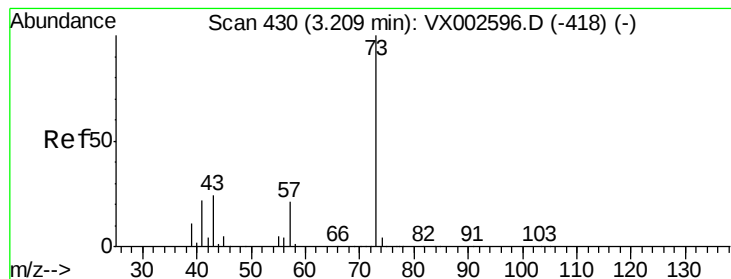
74 20.9 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



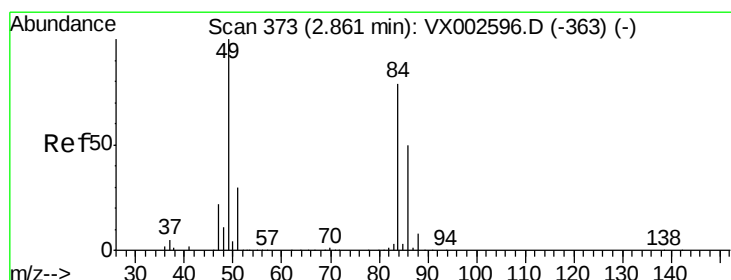
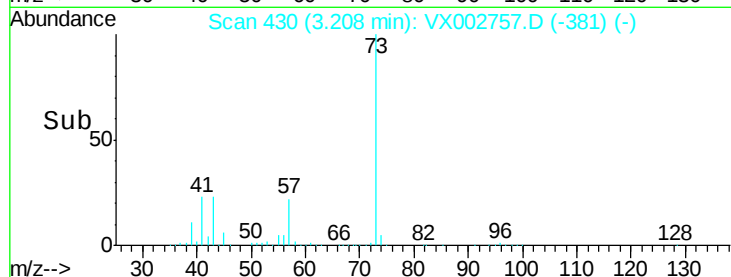
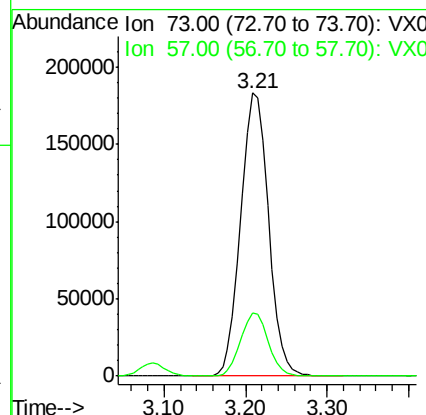
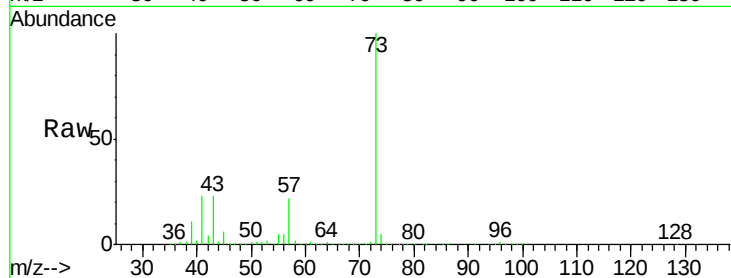


#19

Methyl tert-butyl Ether
 Concen: 43.94 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VX002757.D
 Acq: 20 Jun 2018 22:33

Instrument :
 MSVOA_X
 ClientSampleId :

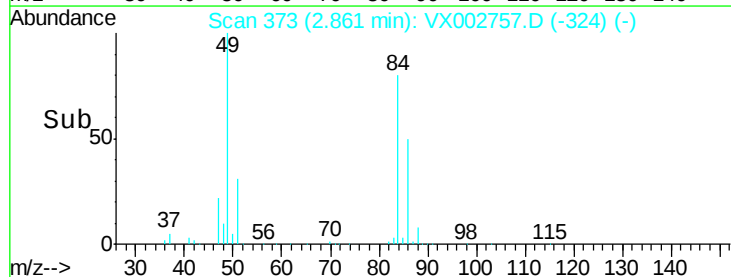
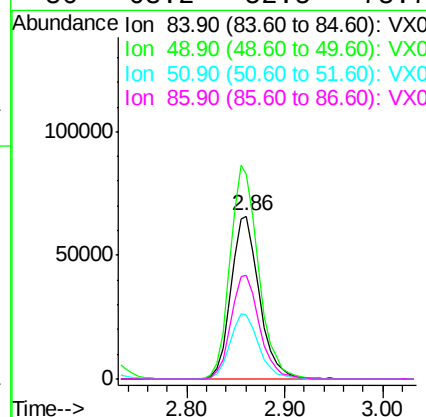
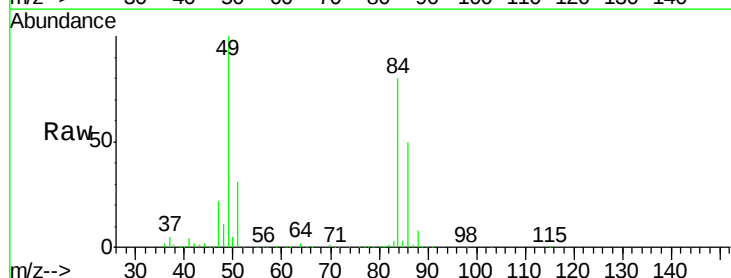
Tot Ion: 73 Resp: 434169
 Ion Ratio Lower Upper
 73 100
 57 22.2 17.7 26.5

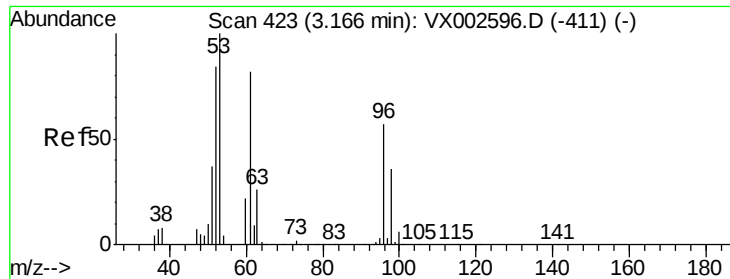


#20

Methylene Chloride
 Concen: 40.74 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. -0.00 min
 Lab File: VX002757.D
 Acq: 20 Jun 2018 22:33

Tgt Ion: 84 Resp: 132034
 Ion Ratio Lower Upper
 84 100
 49 125.4 107.8 161.6
 51 39.0 32.8 49.2
 86 63.2 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 44.72 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

ClientSampleId :

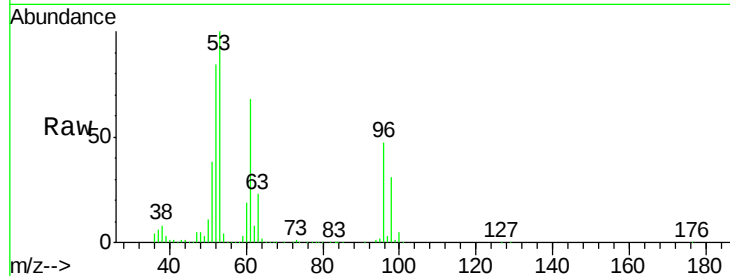
Tot Ion: 96 Resp: 127805

Ion Ratio Lower Upper

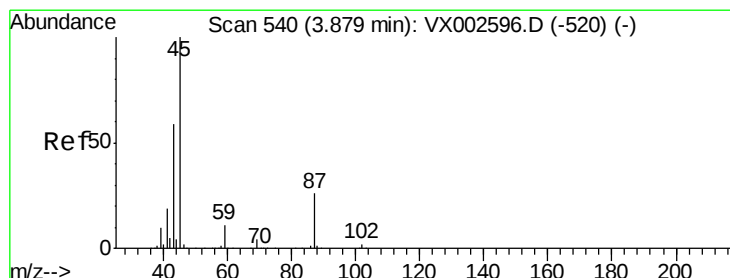
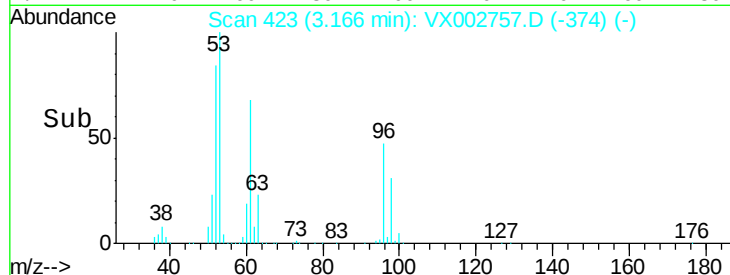
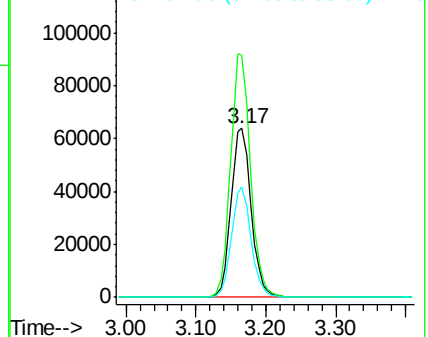
96 100

61 143.5 117.0 175.4

98 65.2 52.4 78.6



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



#22

Diisopropyl ether

Concen: 45.81 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Tgt Ion: 45 Resp: 433441

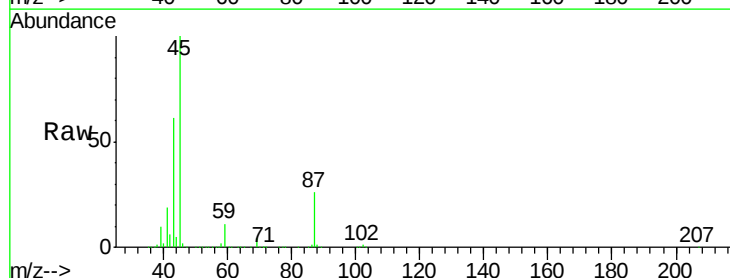
Ion Ratio Lower Upper

45 100

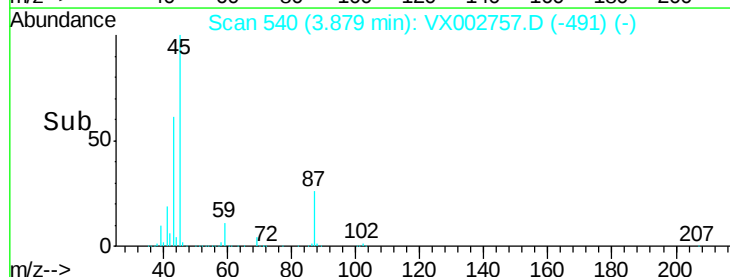
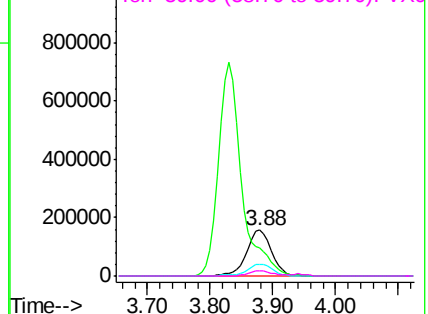
43 60.5 46.8 70.2

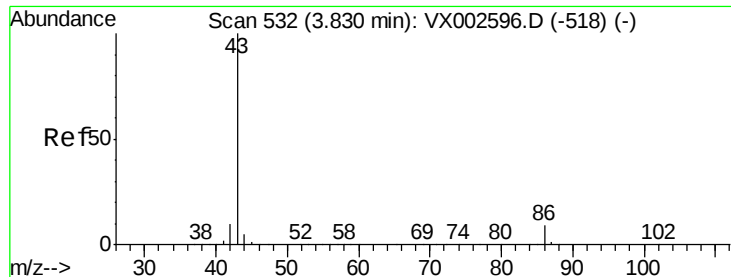
87 26.0 20.2 30.4

59 11.1 8.7 13.1



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 237.86 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

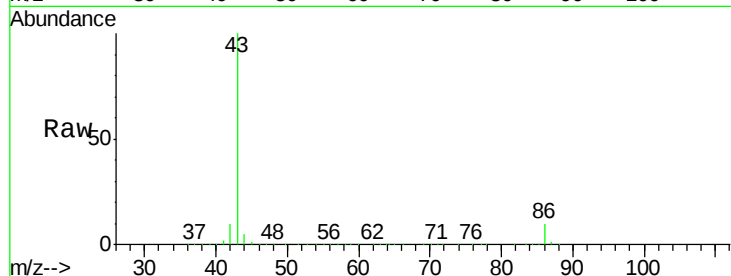
ClientSampleId :

Tot Ion: 43 Resp: 1883841

Ion Ratio Lower Upper

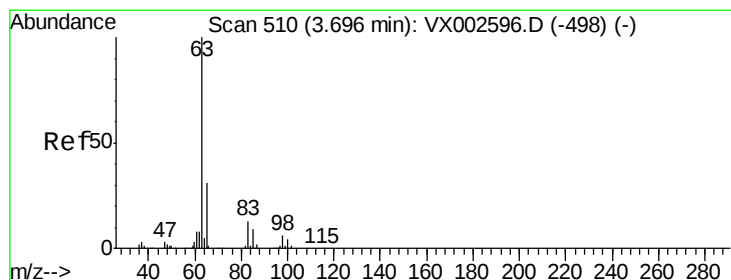
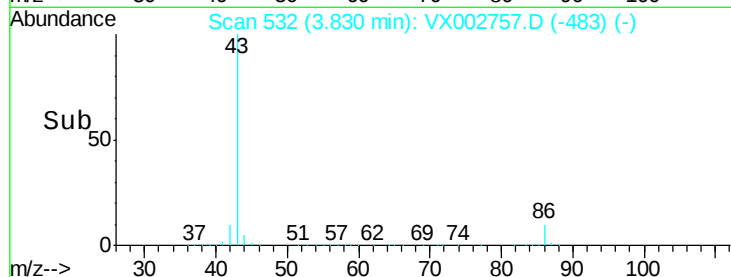
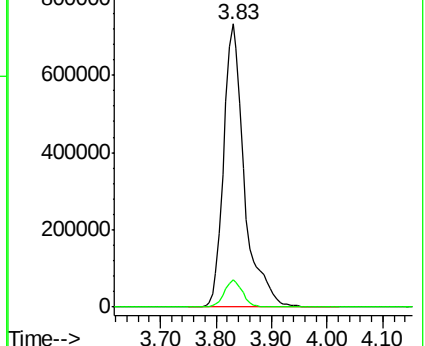
43 100

86 9.5 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 48.34 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

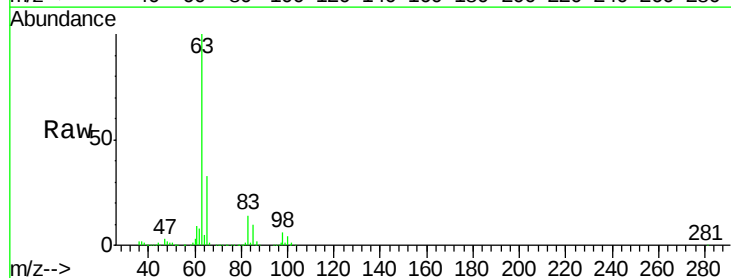
Tgt Ion: 63 Resp: 248241

Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.2

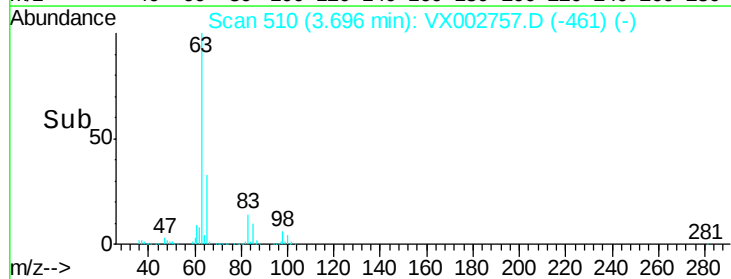
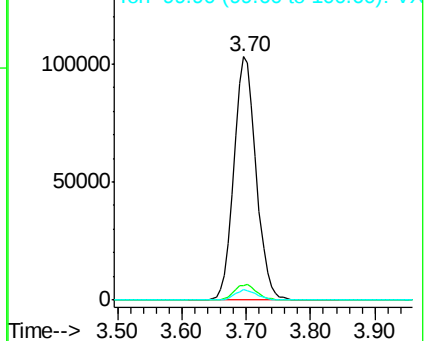
100 4.2 2.0 6.0

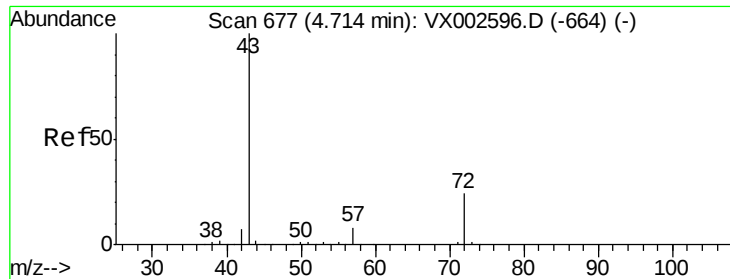


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 249.67 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

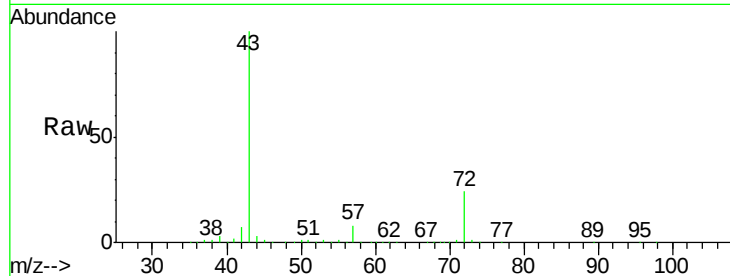
ClientSampleId :

Tot Ion: 43 Resp: 518227

Ion Ratio Lower Upper

43 100

72 24.3 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

200000

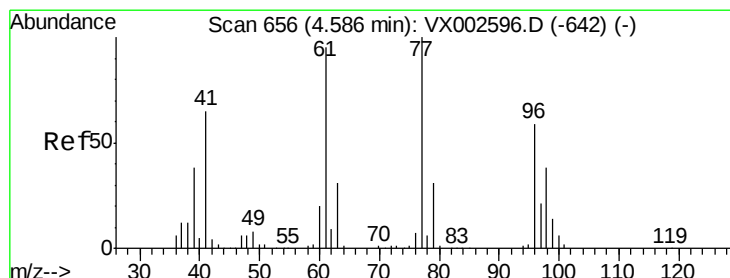
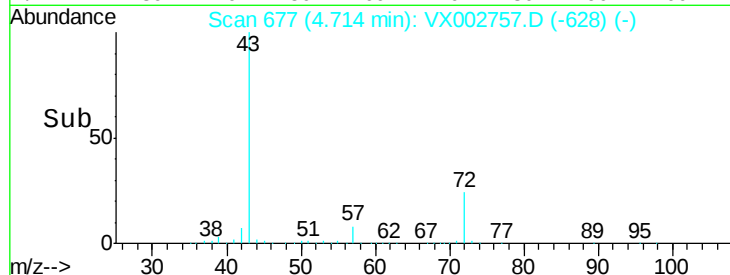
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 39.00 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX002757.D

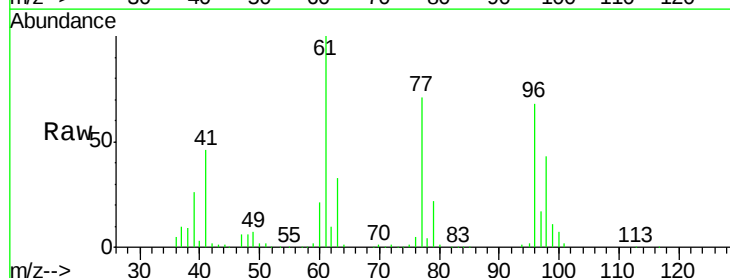
Acq: 20 Jun 2018 22:33

Tgt Ion: 77 Resp: 143928

Ion Ratio Lower Upper

77 100

97 24.1 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

50000

40000

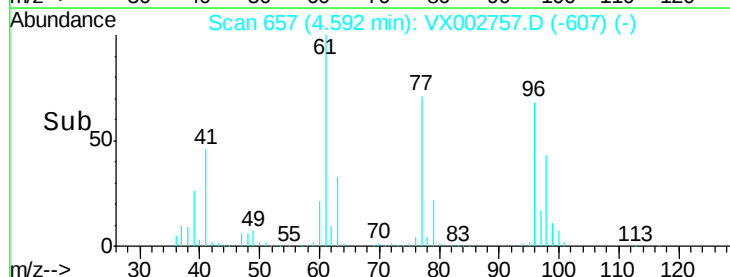
30000

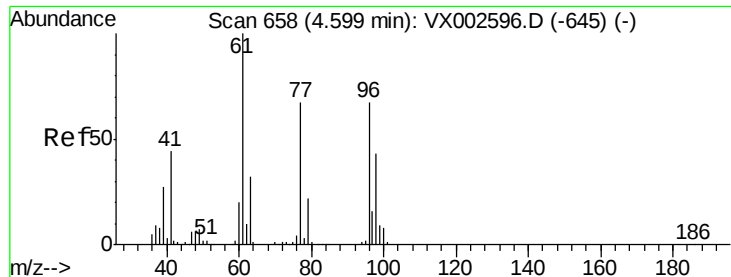
20000

10000

0

Time-->



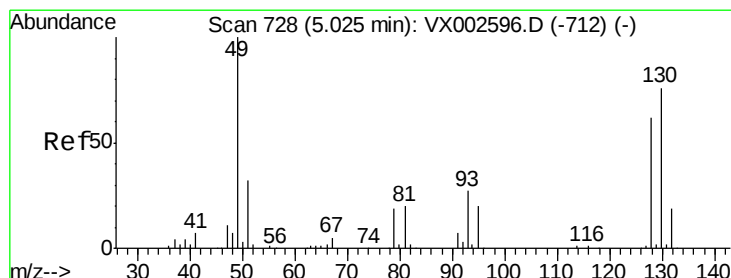
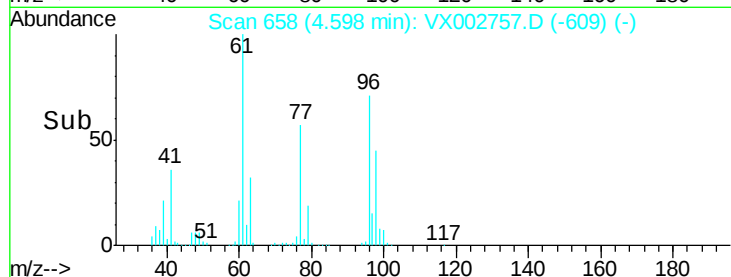
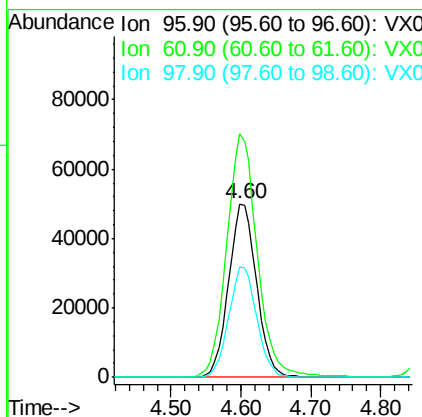
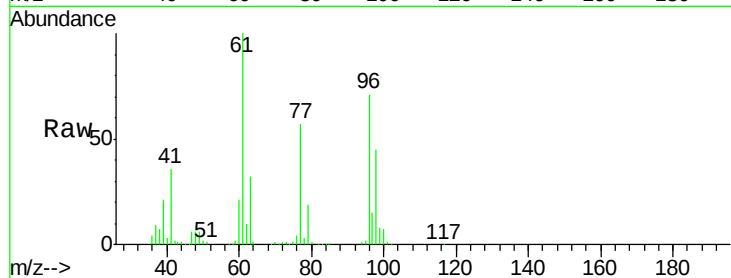


#27

cis-1,2-Dichloroethene
 Concen: 47.71 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VX002757.D
 Acq: 20 Jun 2018 22:33

Instrument :
 MSVOA_X
 ClientSampled :

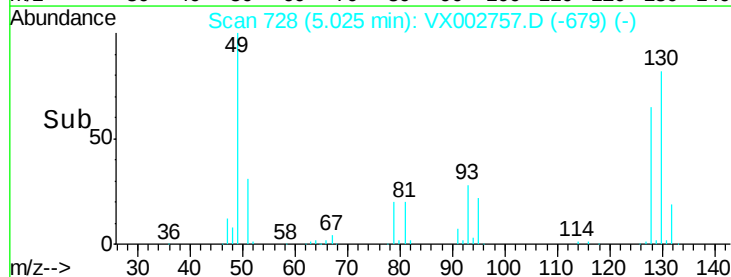
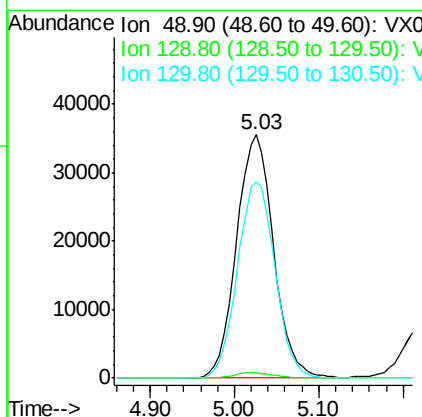
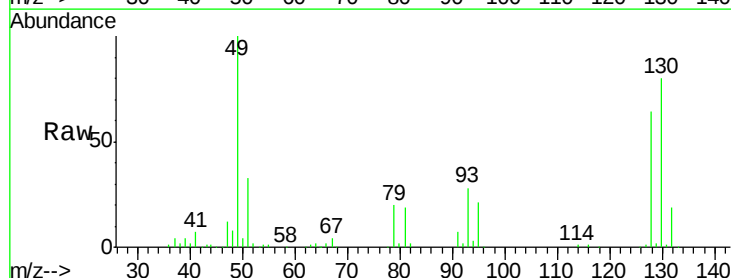
Tot Ion: 96 Resp: 138729
 Ion Ratio Lower Upper
 96 100
 61 154.0 0.0 330.2
 98 64.0 0.0 130.2

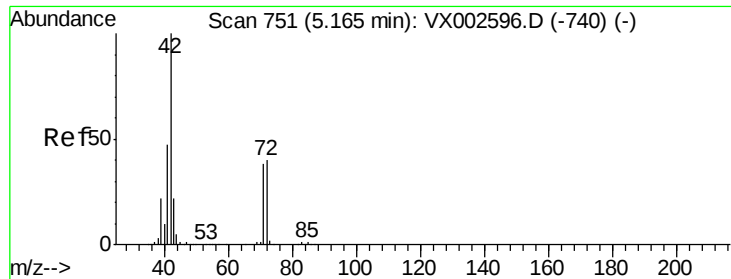


#28

Bromochloromethane
 Concen: 44.08 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VX002757.D
 Acq: 20 Jun 2018 22:33

Tgt Ion: 49 Resp: 106020
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.2
 130 81.9 61.2 91.8





#29

Tetrahydrofuran

Concen: 248.86 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

ClientSampled :

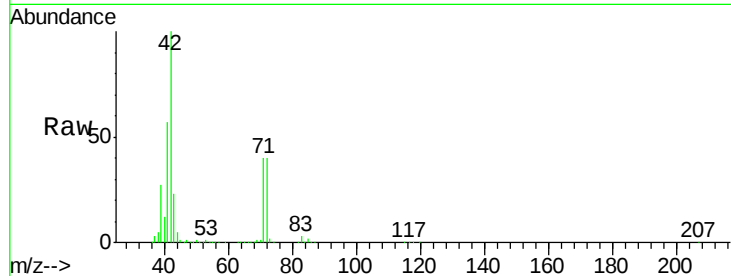
Tot Ion: 42 Resp: 338541

Ion Ratio Lower Upper

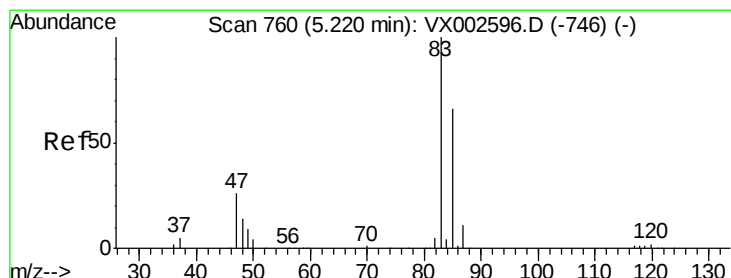
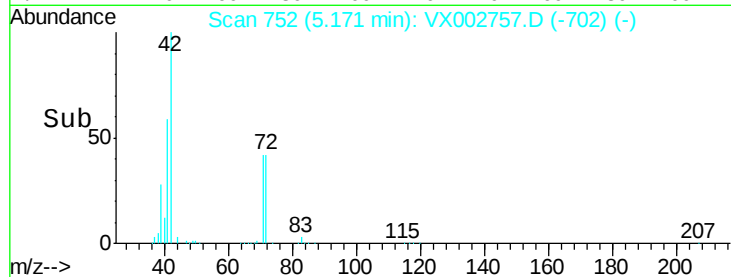
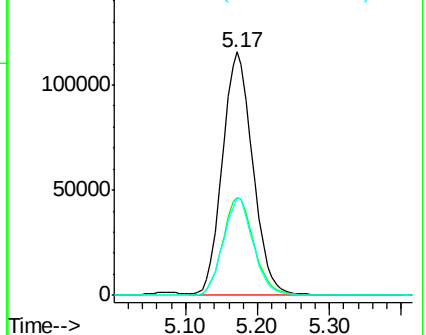
42 100

72 41.3 32.0 48.0

71 39.4 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 49.69 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX002757.D

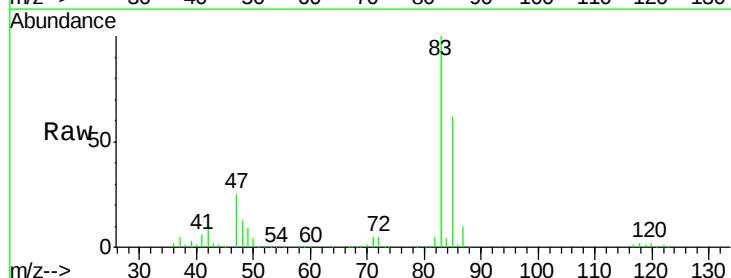
Acq: 20 Jun 2018 22:33

Tgt Ion: 83 Resp: 246089

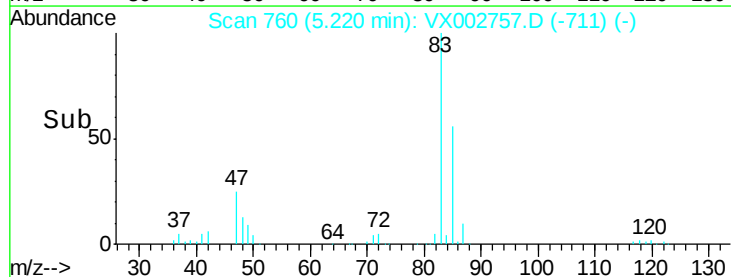
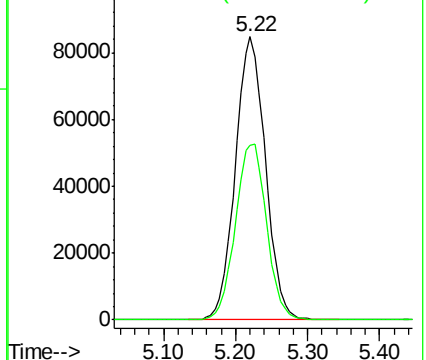
Ion Ratio Lower Upper

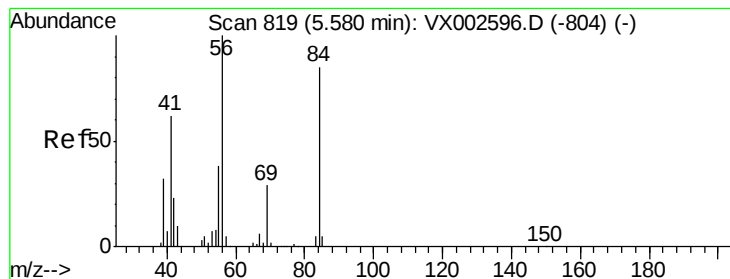
83 100

85 61.8 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 48.08 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

ClientSampleId :

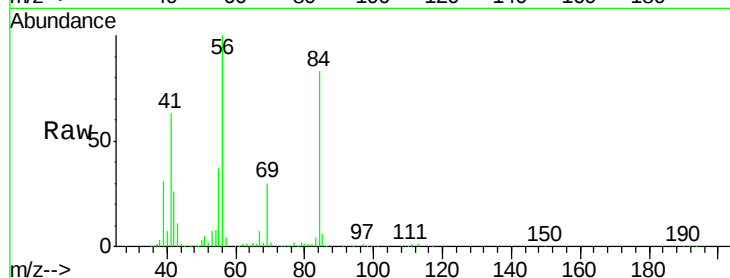
Tot Ion: 56 Resp: 203323

Ion Ratio Lower Upper

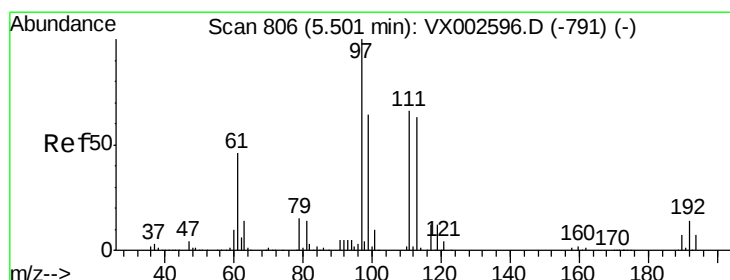
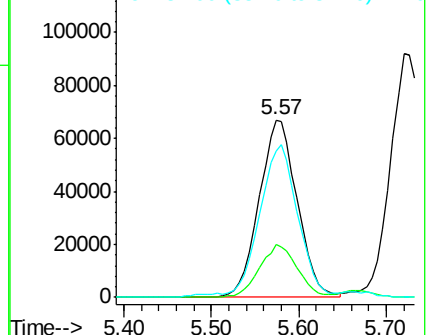
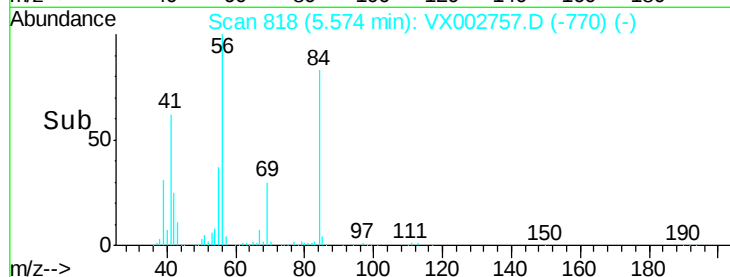
56 100

69 30.1 23.7 35.5

84 81.4 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: 52.81 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

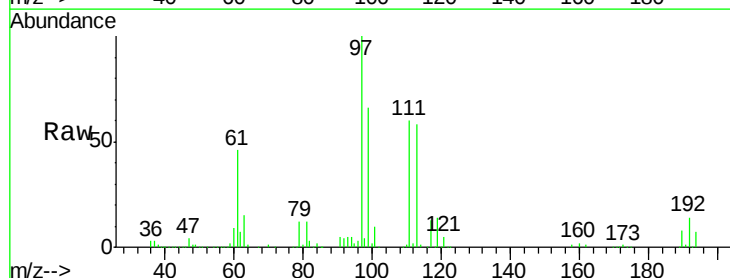
Tgt Ion: 97 Resp: 218729

Ion Ratio Lower Upper

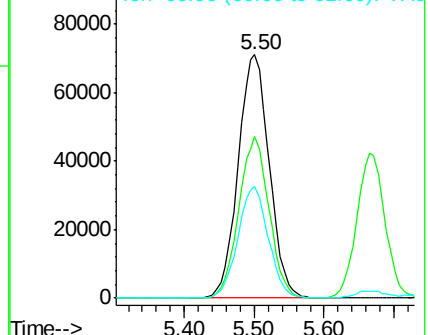
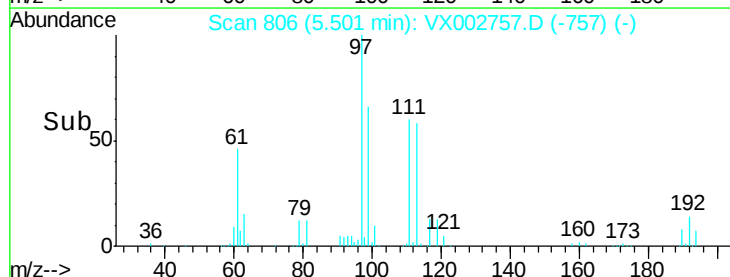
97 100

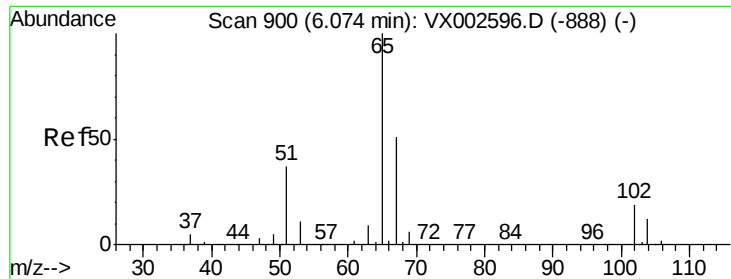
99 64.5 51.6 77.4

61 45.2 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: 43.48 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

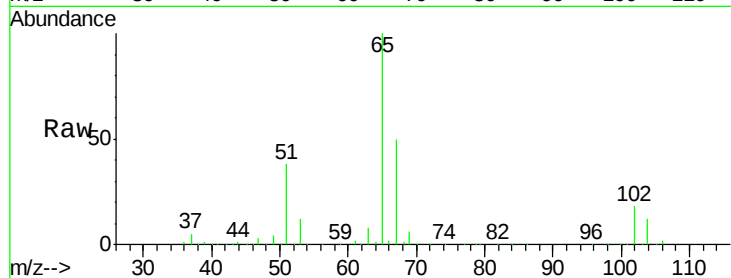
ClientSampleId :

Tot Ion: 65 Resp: 155758

Ion Ratio Lower Upper

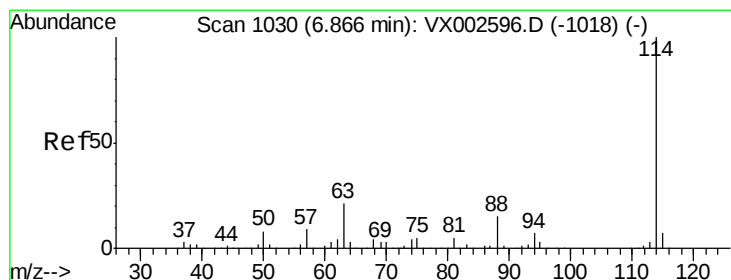
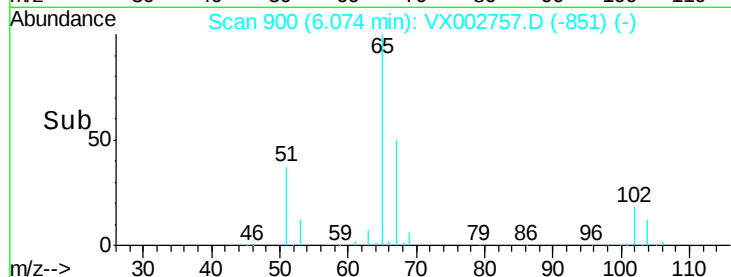
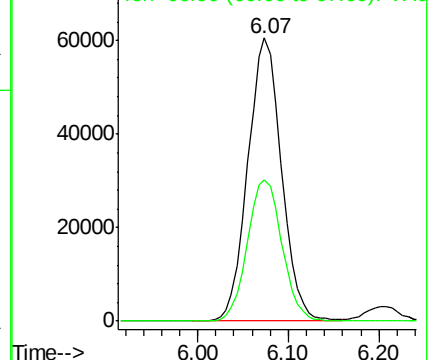
65 100

67 51.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

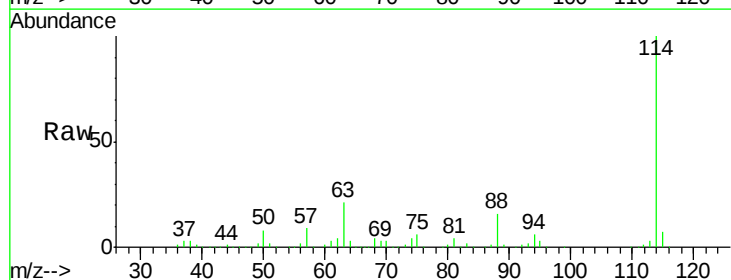
Tgt Ion: 114 Resp: 326408

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.4

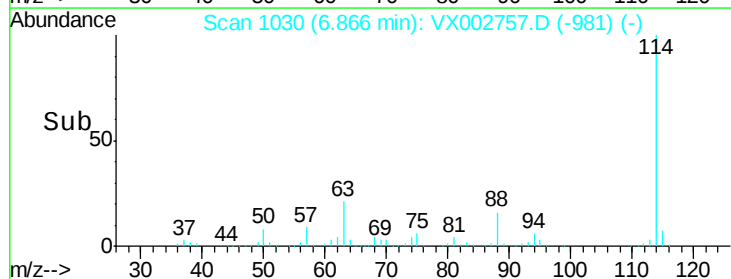
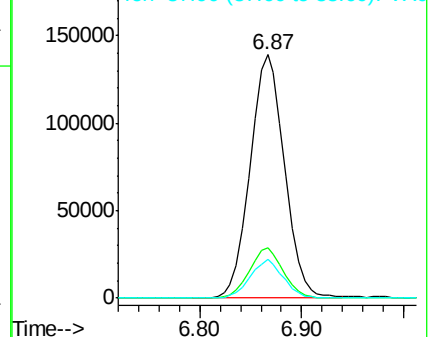
88 15.8 0.0 30.0

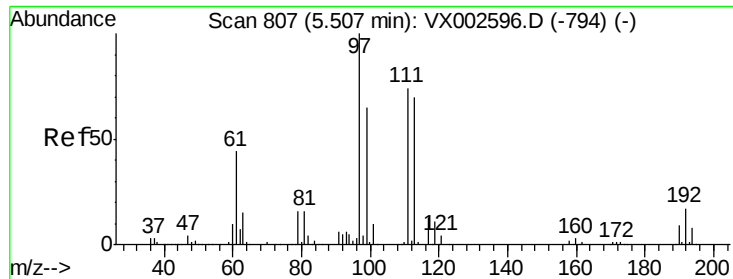


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.41 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :
MSVOA_X
ClientSampleId :

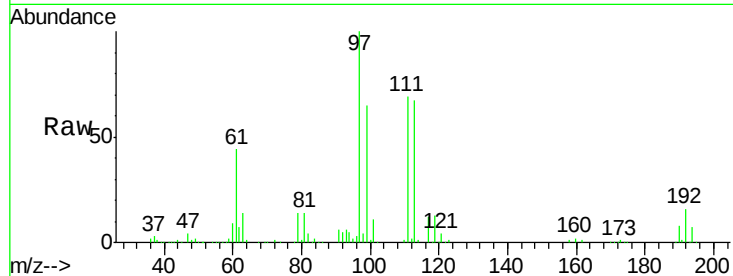
Tot Ion:113 Resp: 126111

Ion Ratio Lower Upper

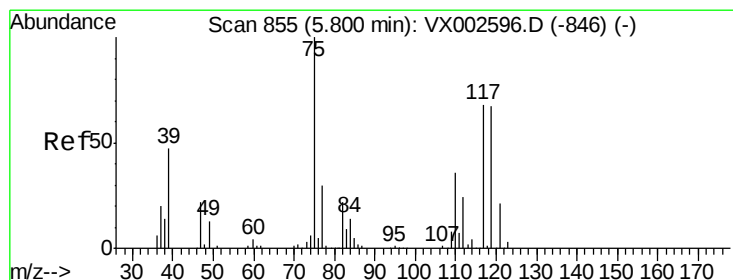
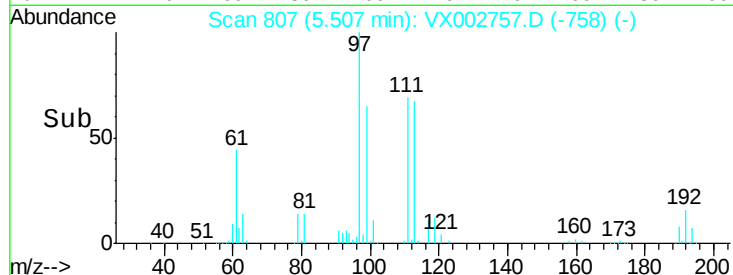
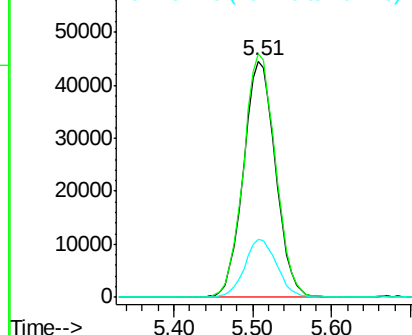
113 100

111 103.1 81.4 122.0

192 24.4 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.27 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

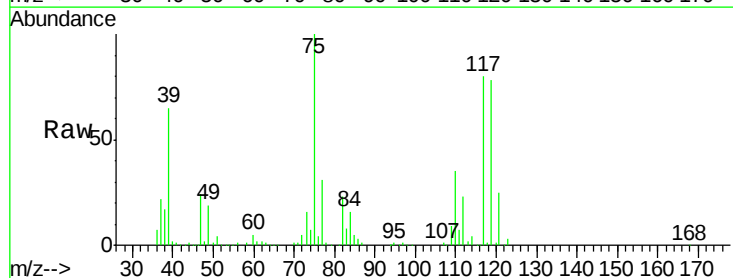
Tgt Ion: 75 Resp: 174261

Ion Ratio Lower Upper

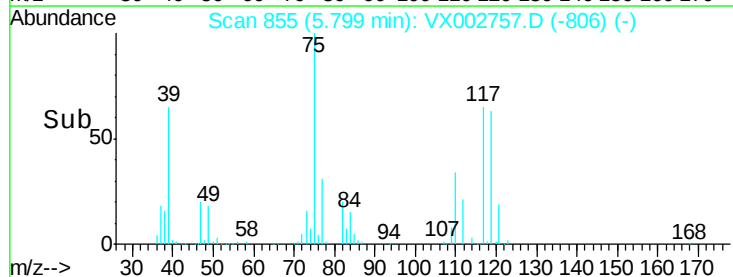
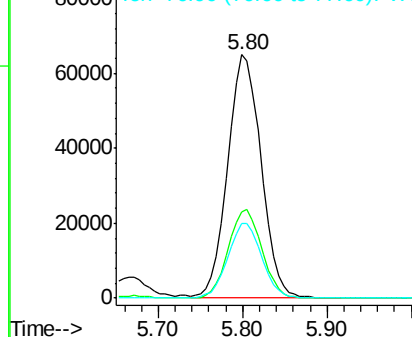
75 100

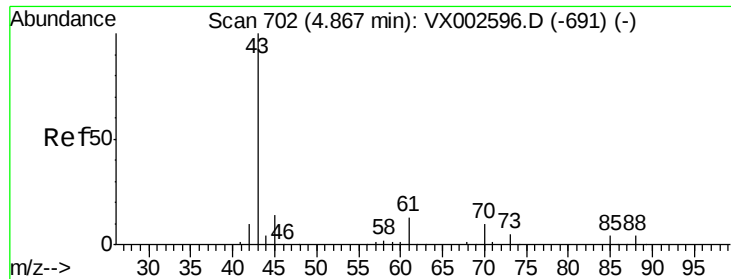
110 37.0 18.1 54.4

77 31.0 24.3 36.5



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0

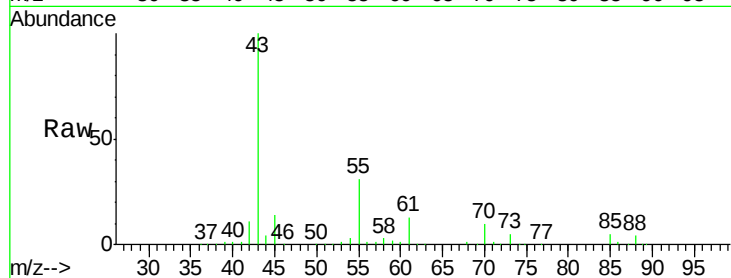




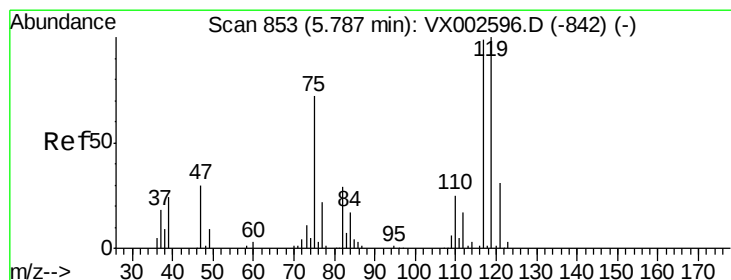
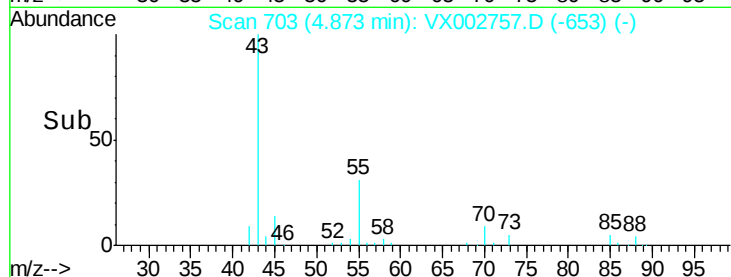
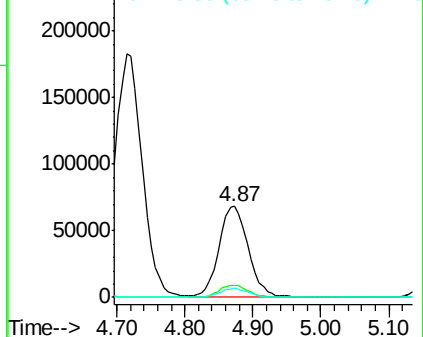
#37
Ethyl Acetate
Concen: 51.78 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX002757.D
Acq: 20 Jun 2018 22:33

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 203189
Ion Ratio Lower Upper
43 100
61 13.2 10.4 15.6
70 9.5 7.6 11.4

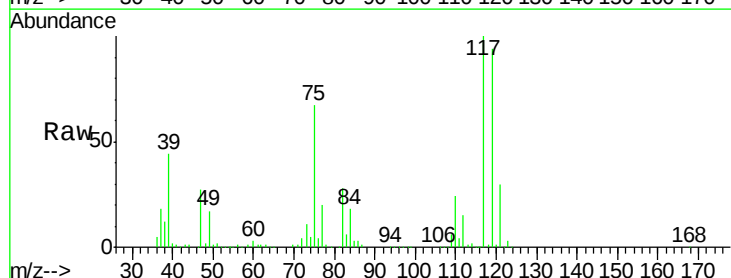


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

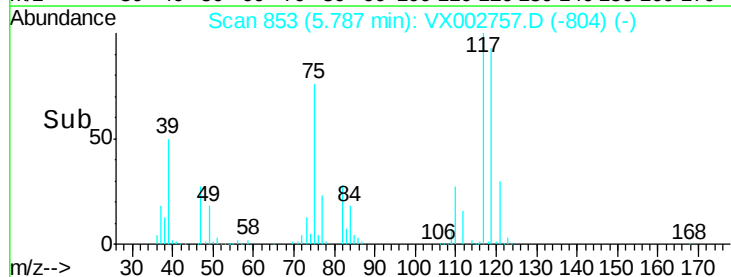
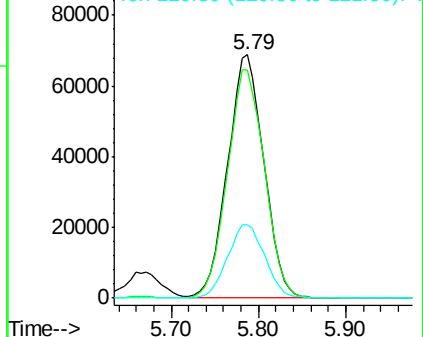


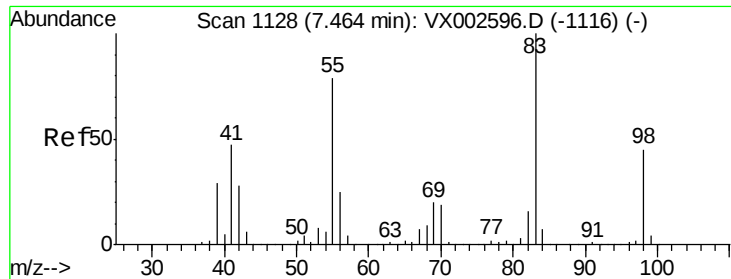
#38
Carbon Tetrachloride
Concen: 57.52 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002757.D
Acq: 20 Jun 2018 22:33

Tgt Ion: 117 Resp: 198548
Ion Ratio Lower Upper
117 100
119 93.5 77.4 116.0
121 30.2 24.4 36.6



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

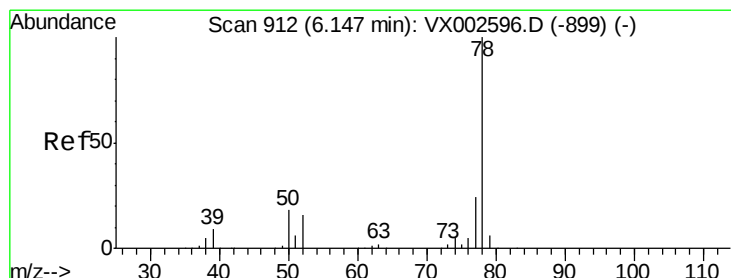
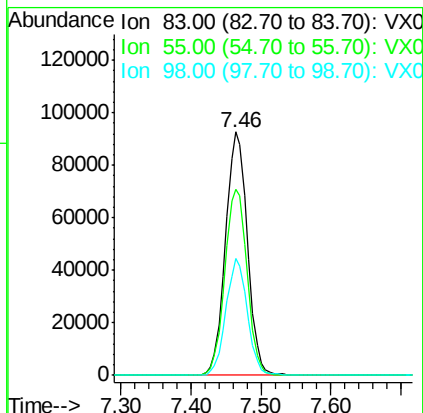
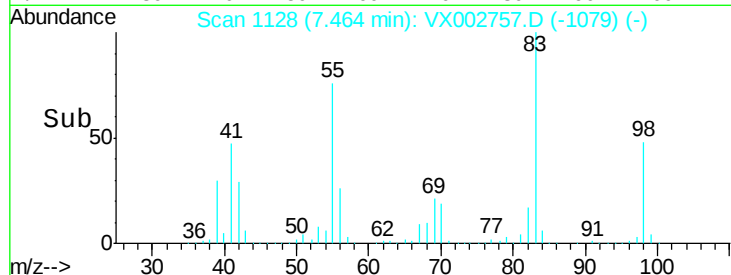
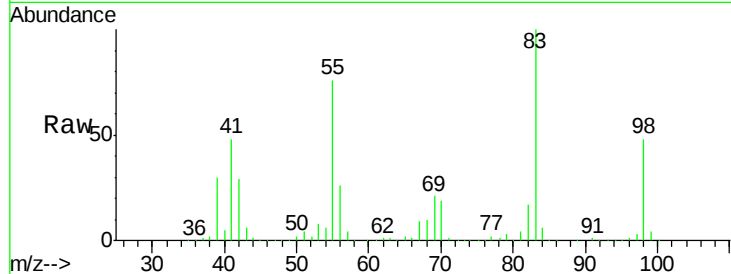




#39
Methvlcvclohexane
Concen: 49.79 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002757.D
Acq: 20 Jun 2018 22:33

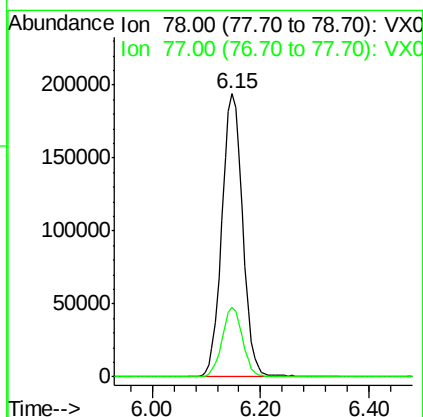
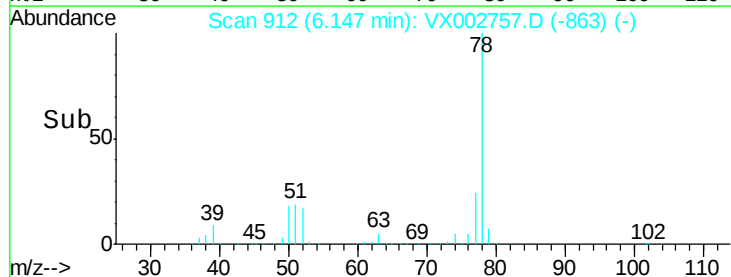
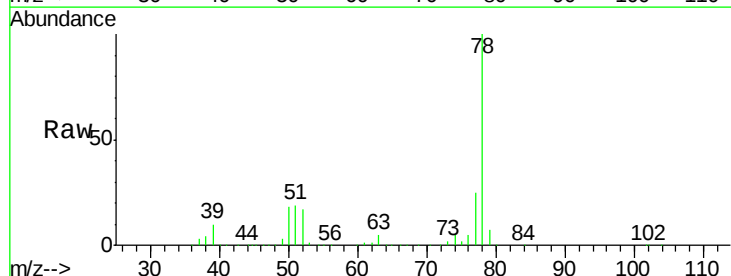
Instrument :
MSVOA_X
ClientSampleId :

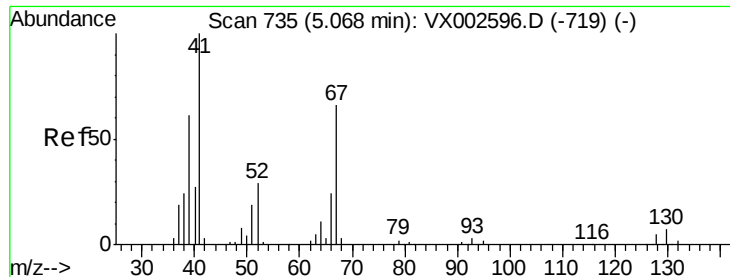
Tot Ion: 83 Resp: 201770
Ion Ratio Lower Upper
83 100
55 76.5 65.4 98.0
98 48.1 37.4 56.0



#40
Benzene
Concen: 49.64 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002757.D
Acq: 20 Jun 2018 22:33

Tgt Ion: 78 Resp: 515993
Ion Ratio Lower Upper
78 100
77 24.7 19.1 28.7

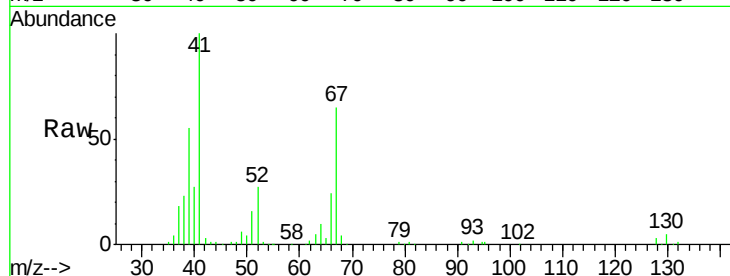




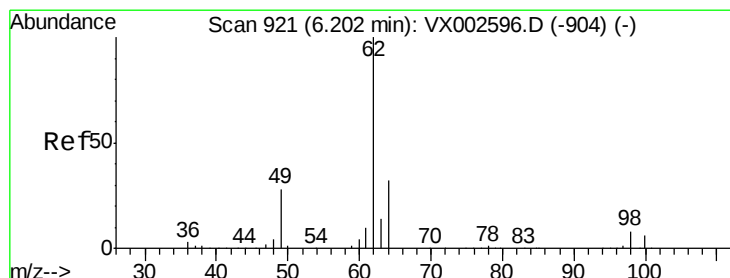
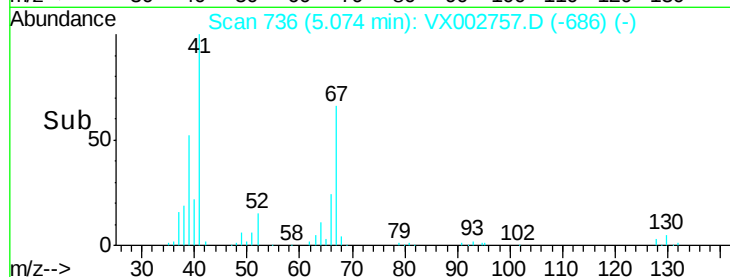
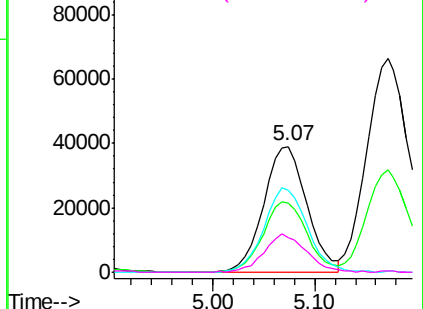
#41
Methacrylonitrile
Concen: 51.52 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX002757.D
Acq: 20 Jun 2018 22:33

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	114138
Ion	Ratio	Lower	Upper
41	100		
39	56.9	45.8	68.6
67	67.2	51.3	76.9
52	29.4	23.0	34.6

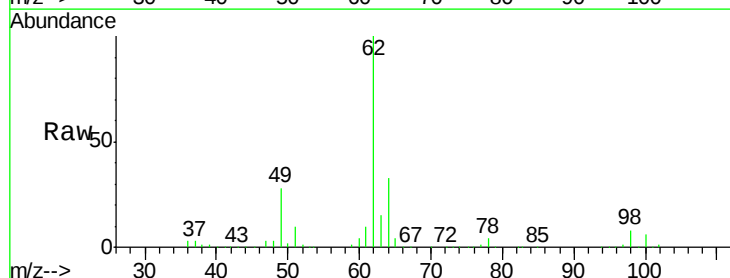


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

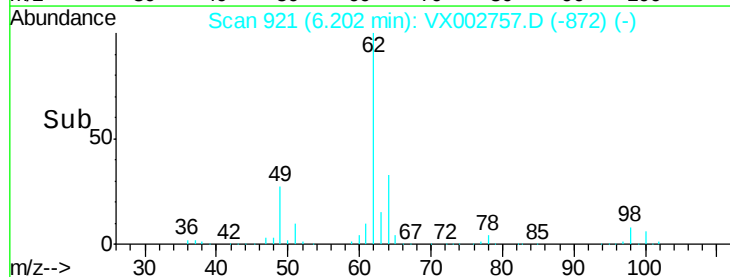
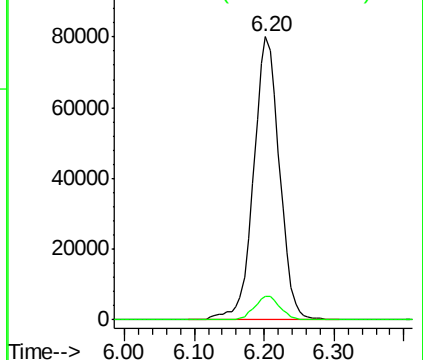


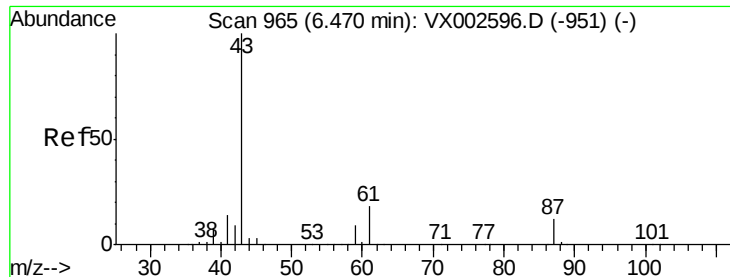
#42
1,2-Dichloroethane
Concen: 50.74 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002757.D
Acq: 20 Jun 2018 22:33

Tgt Ion:	62	Resp:	204185
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6



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



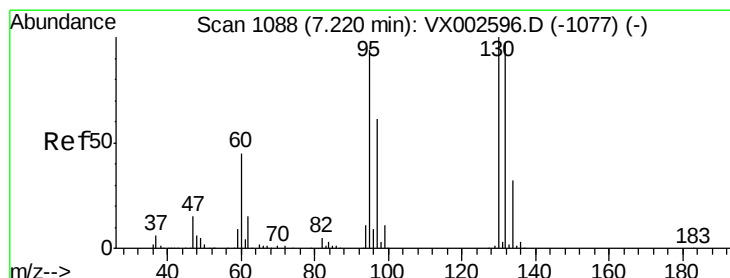
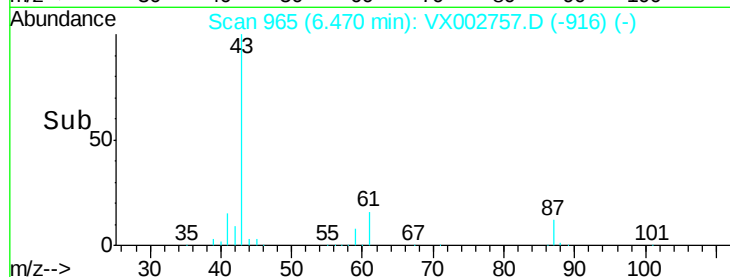
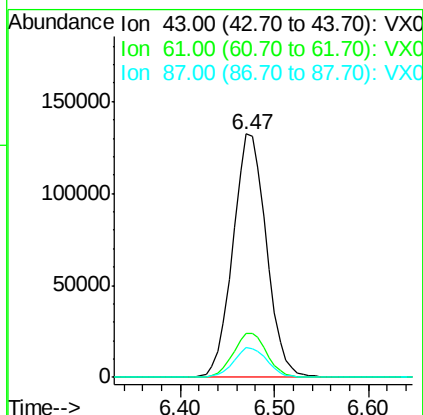
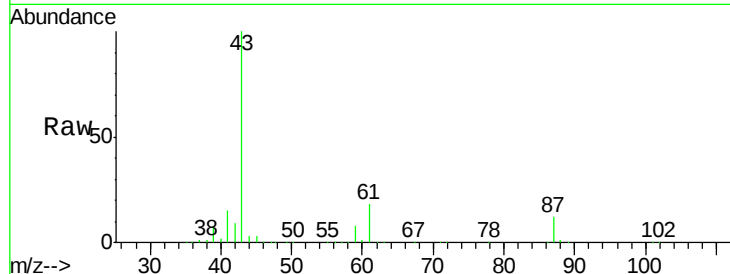


#43

Isopropyl Acetate
 Concen: 50.34 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002757.D
 Acq: 20 Jun 2018 22:33

Instrument :
 MSVOA_X
 ClientSampled :

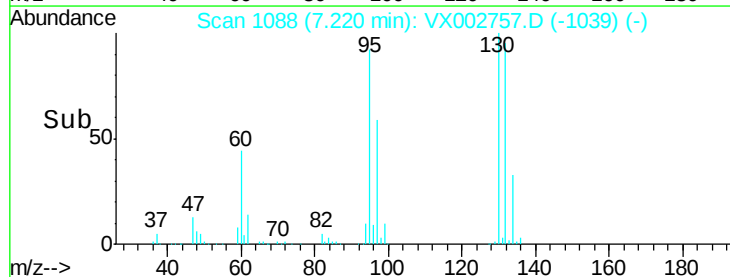
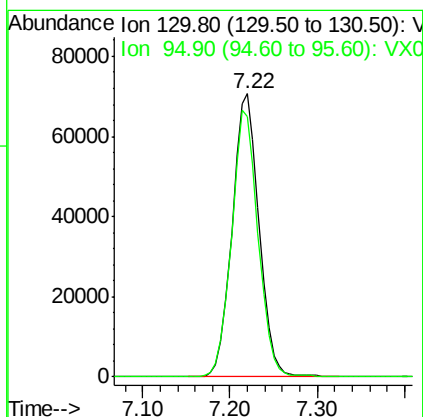
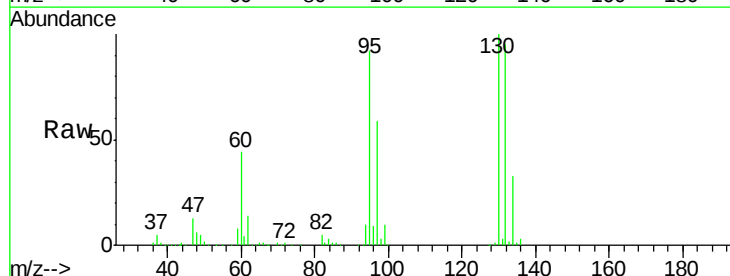
Tot Ion	43	Resp	327287
Ion Ratio	Lower	Upper	
43	100		
61	18.4	14.4	21.6
87	12.3	9.5	14.3

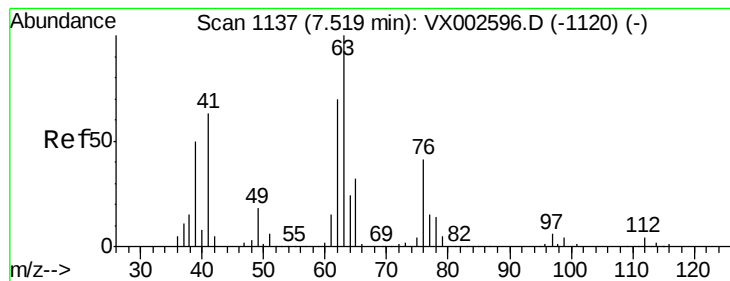


#44

Trichloroethene
 Concen: 50.27 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX002757.D
 Acq: 20 Jun 2018 22:33

Tgt Ion	130	Resp	150828
Ion Ratio	Lower	Upper	
130	100		
95	92.0	0.0	185.4





#45

1,2-Dichloropropane

Concen: 49.47 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

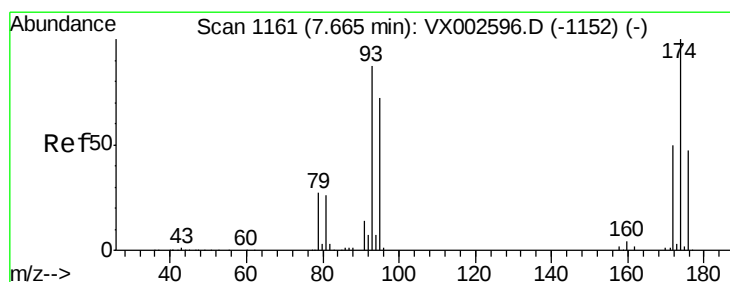
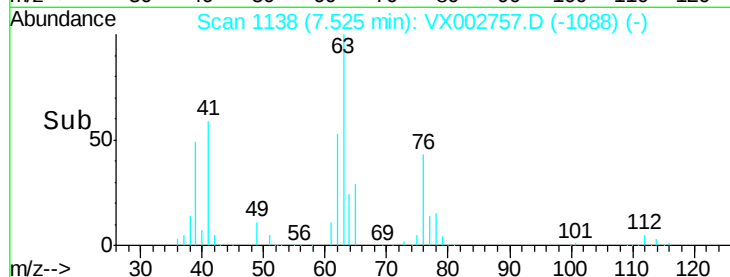
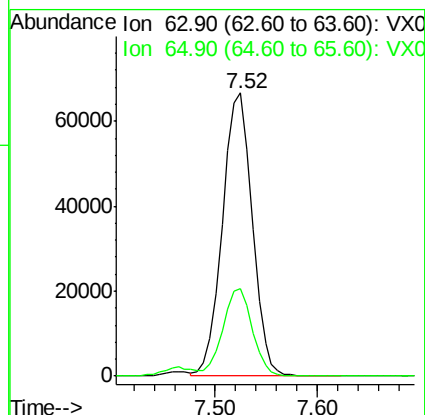
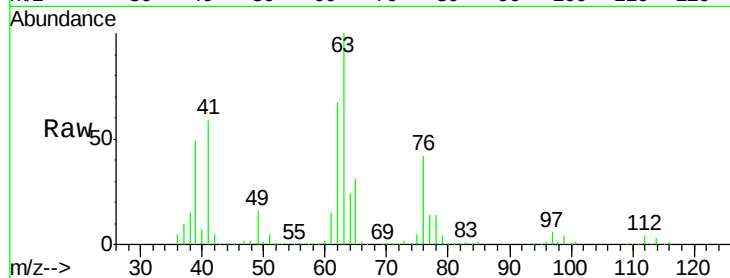
ClientSampled :

Tot Ion: 63 Resp: 135339

Ion Ratio Lower Upper

63 100

65 30.9 24.7 37.1



#46

Dibromomethane

Concen: 52.03 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

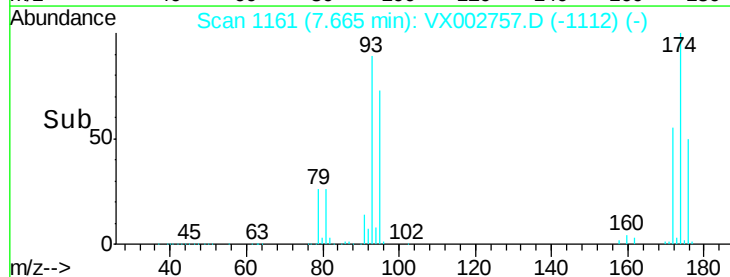
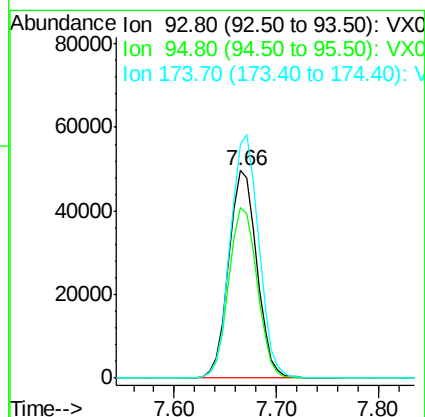
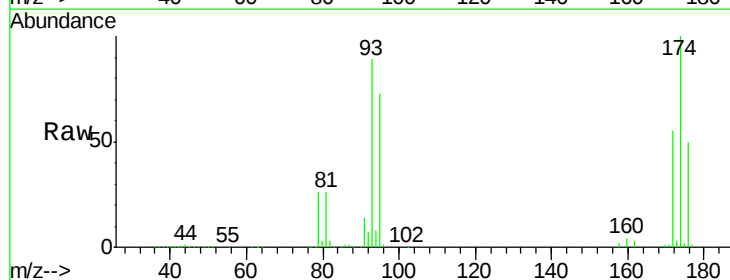
Tgt Ion: 93 Resp: 95210

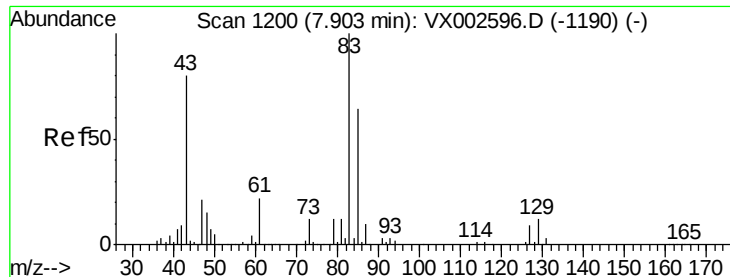
Ion Ratio Lower Upper

93 100

95 83.1 65.9 98.9

174 118.0 92.4 138.6





#47

Bromodichloromethane

Concen: 57.04 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :
MSVOA_X
ClientSampled :

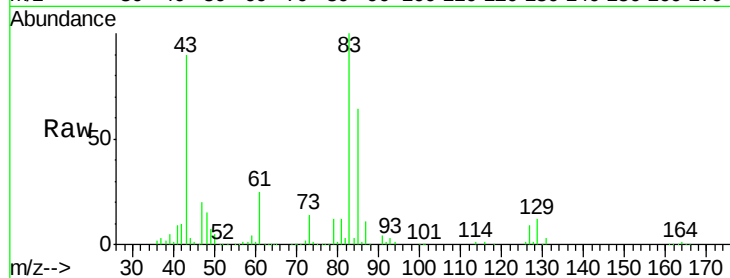
Tot Ion: 83 Resp: 184121

Ion Ratio Lower Upper

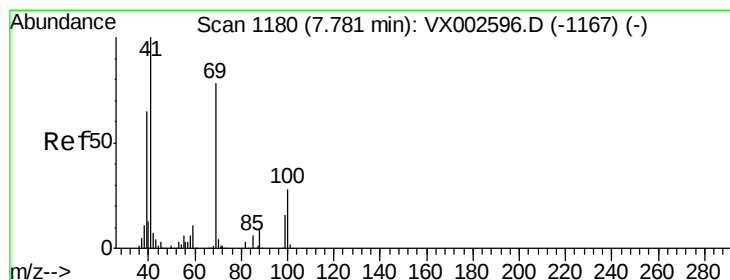
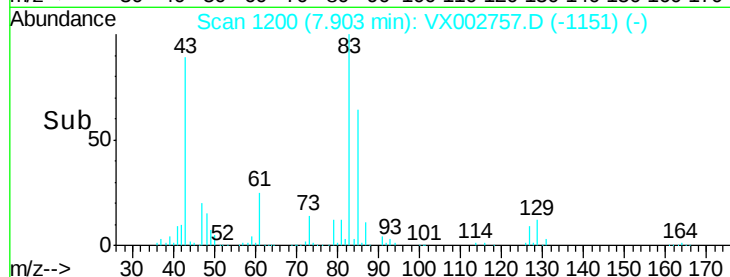
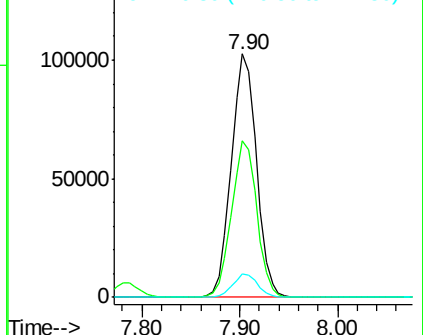
83 100

85 64.2 50.3 75.5

127 9.4 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: 51.01 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

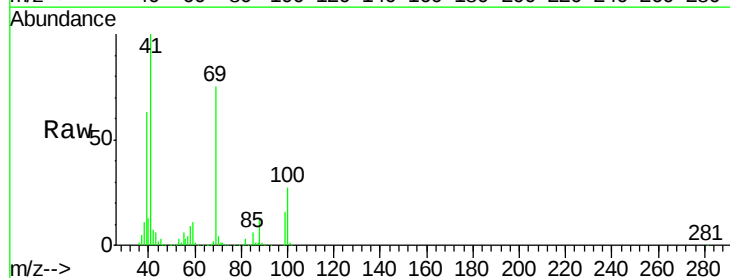
Tgt Ion: 41 Resp: 169449

Ion Ratio Lower Upper

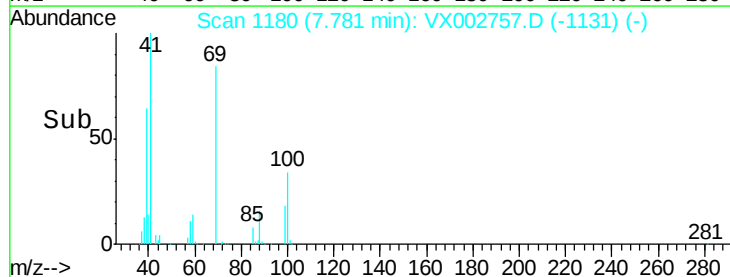
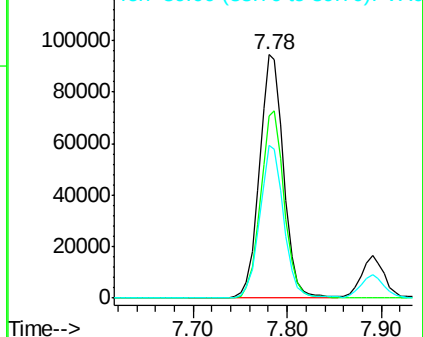
41 100

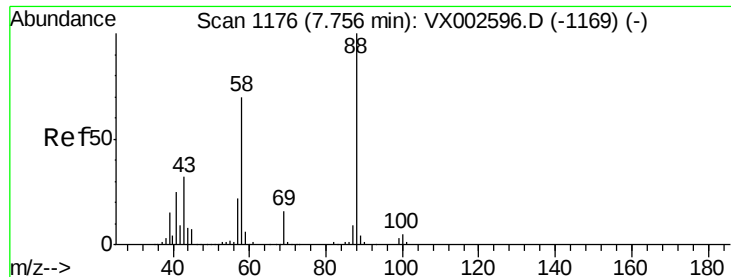
69 76.1 59.1 88.7

39 62.0 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: 1093.73 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :
MSVOA_X
ClientSampleId :

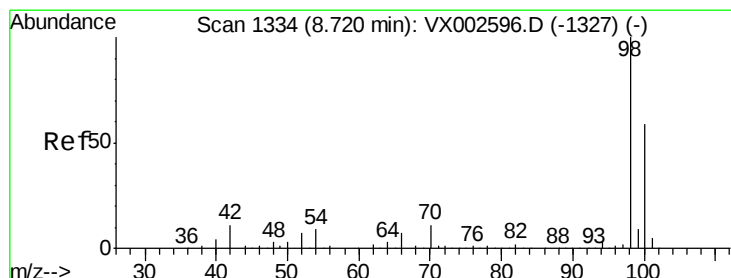
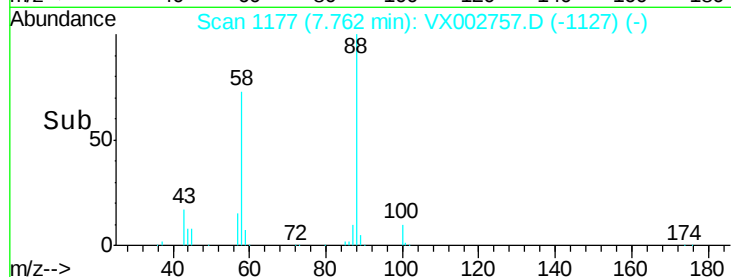
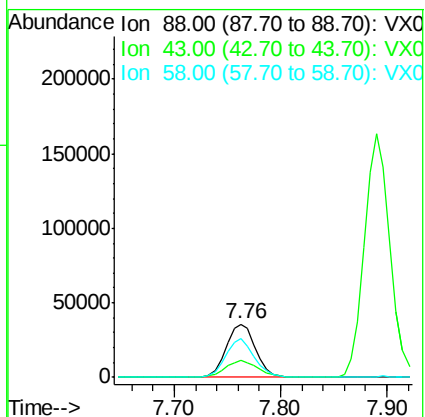
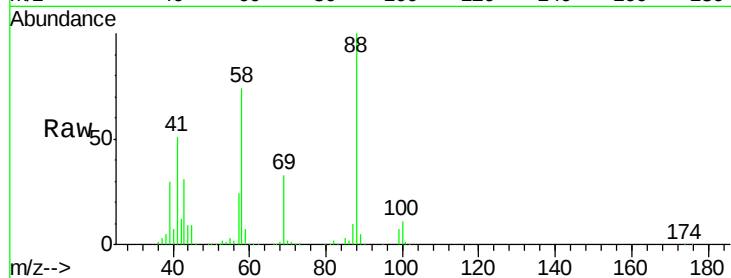
Tot Ion: 88 Resp: 68809

Ion Ratio Lower Upper

88 100

43 35.0 29.8 44.6

58 70.9 57.1 85.7



#50

Toluene-d8

Concen: 45.79 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002757.D

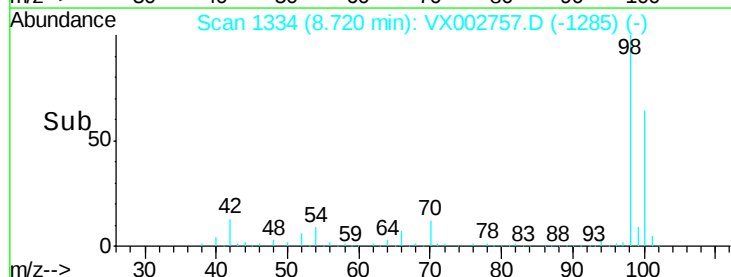
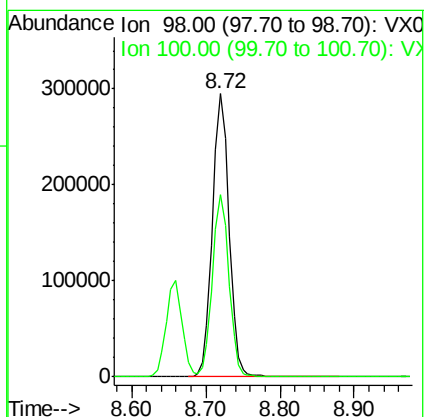
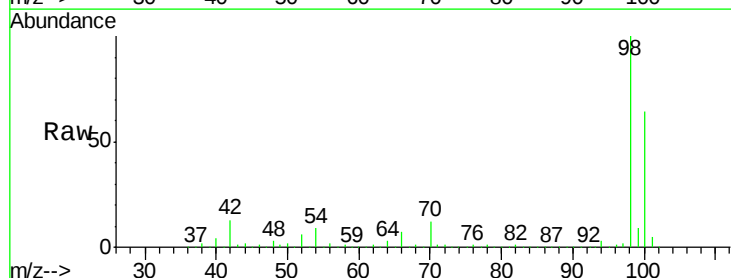
Acq: 20 Jun 2018 22:33

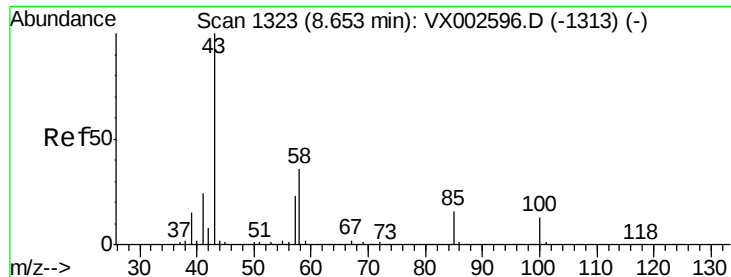
Tgt Ion: 98 Resp: 452883

Ion Ratio Lower Upper

98 100

100 64.2 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 262.43 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

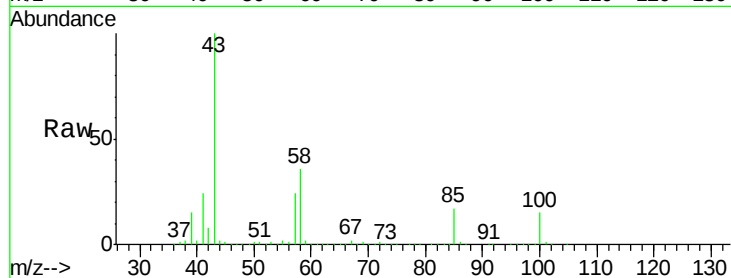
ClientSampleId :

Tot Ion: 43 Resp: 1095395

Ion Ratio Lower Upper

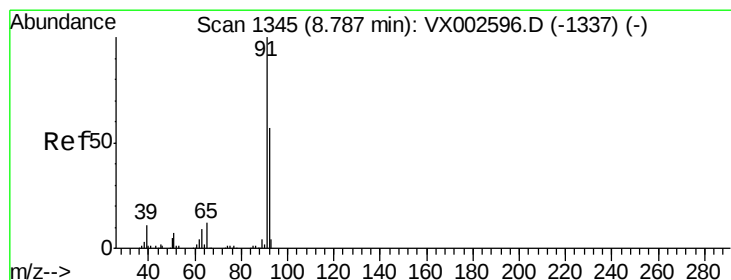
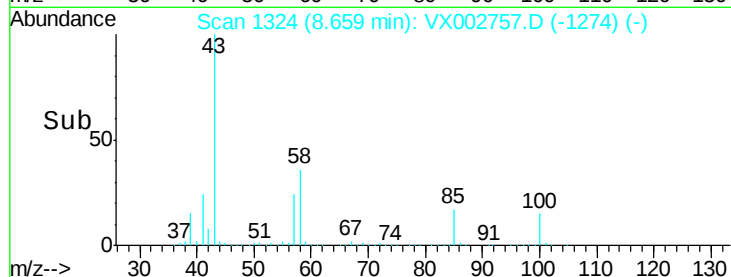
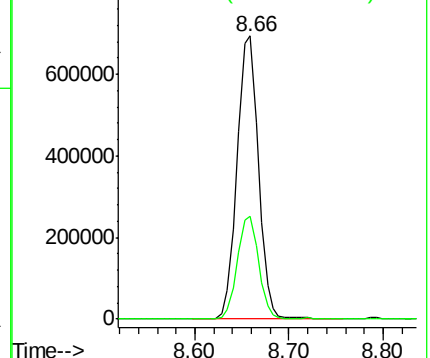
43 100

58 36.1 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.54 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002757.D

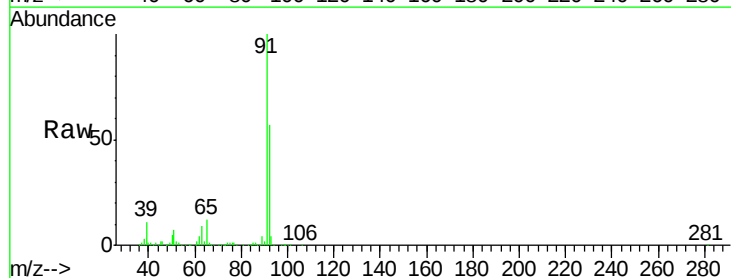
Acq: 20 Jun 2018 22:33

Tgt Ion: 92 Resp: 335101

Ion Ratio Lower Upper

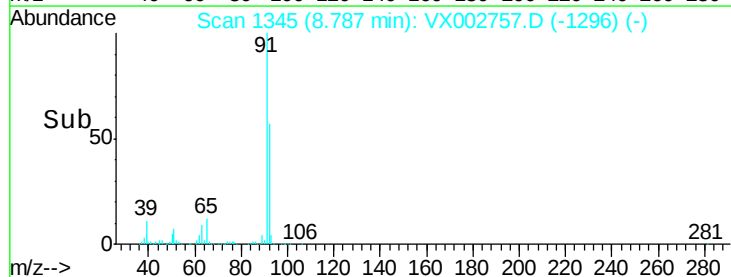
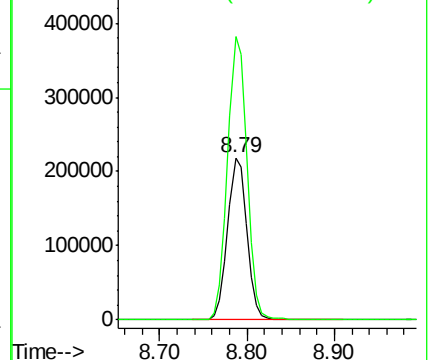
92 100

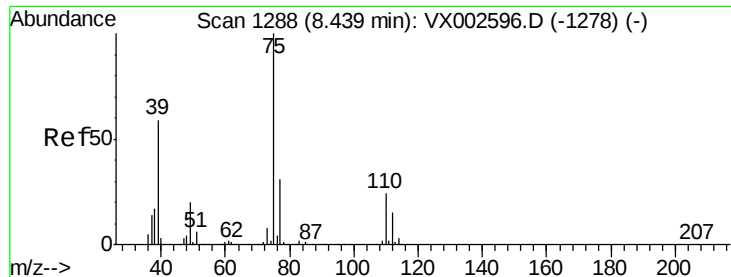
91 176.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 47.86 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

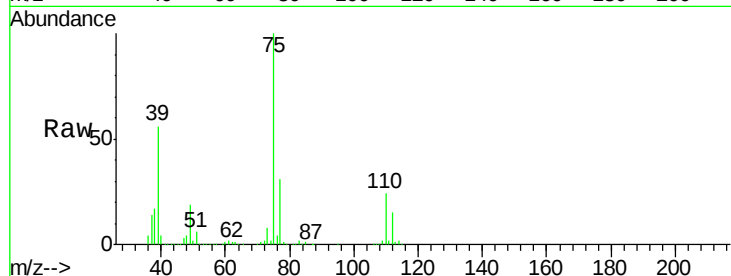
ClientSampled :

Tot Ion: 75 Resp: 204033

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

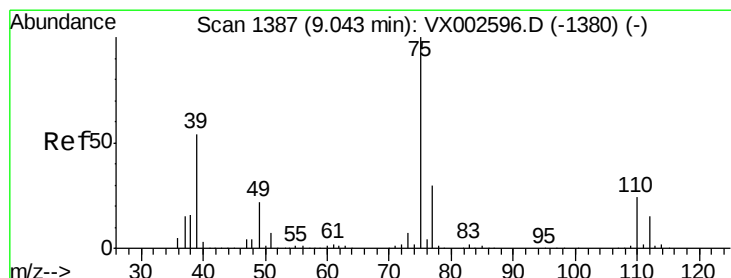
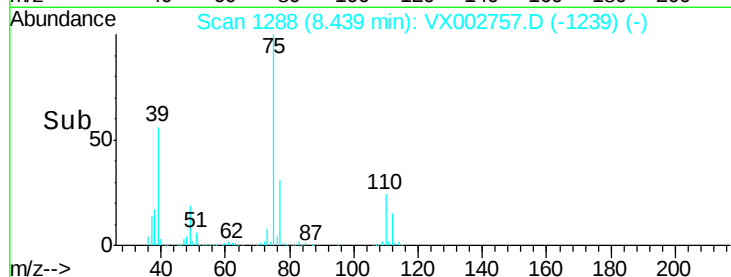
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.05 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

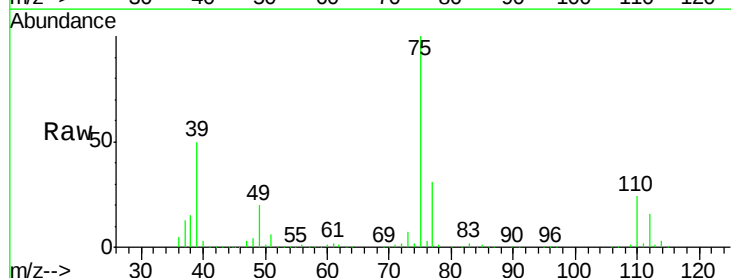
Tgt Ion: 75 Resp: 190943

Ion Ratio Lower Upper

75 100

77 30.6 24.8 37.2

39 50.2 42.4 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

9.05

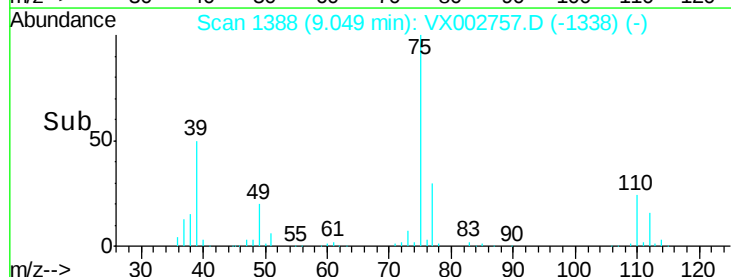
150000

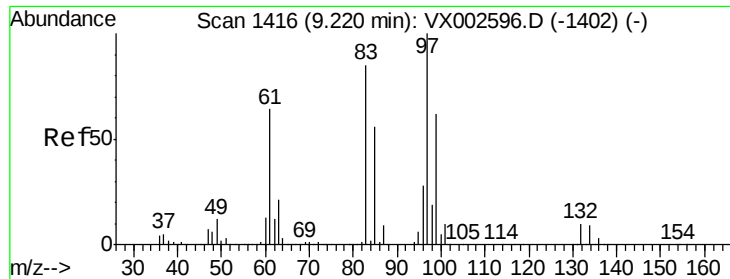
100000

50000

0

Time-->

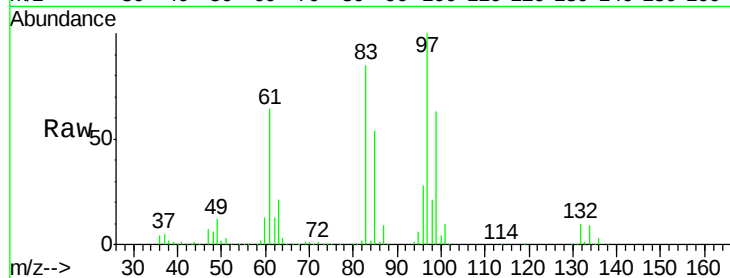




#55
 1,1,2-Trichloroethane
 Concen: 51.73 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002757.D
 Acq: 20 Jun 2018 22:33

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	97	Resp	138607
Ion	Ratio	Lower	Upper
97	100		
83	84.9	70.2	105.2
85	54.5	44.9	67.3
99	63.1	49.8	74.8



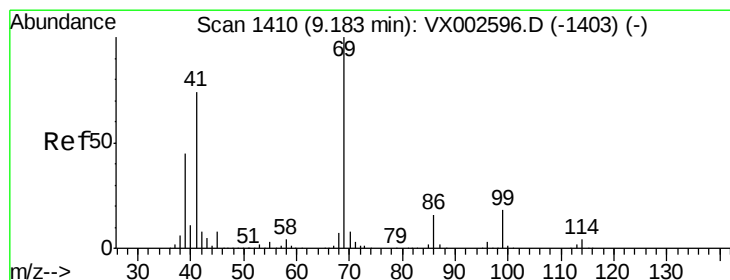
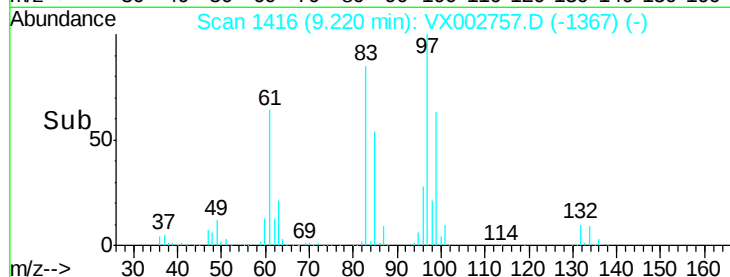
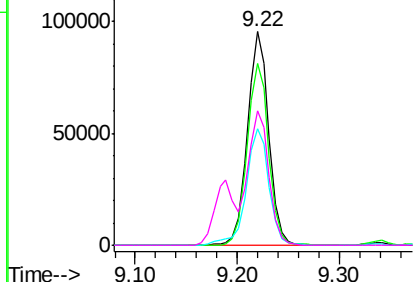
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

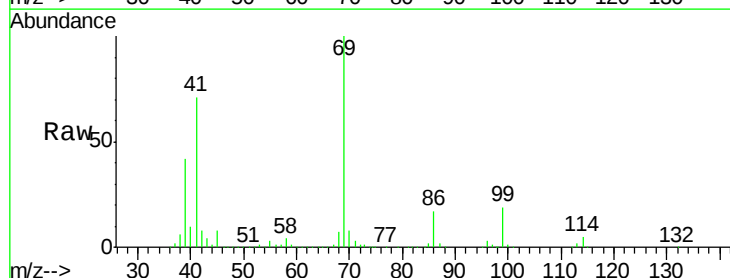
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 51.95 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX002757.D
 Acq: 20 Jun 2018 22:33

Tgt Ion	69	Resp	214213
Ion	Ratio	Lower	Upper
69	100		
41	72.6	60.3	90.5
39	43.7	35.8	53.8

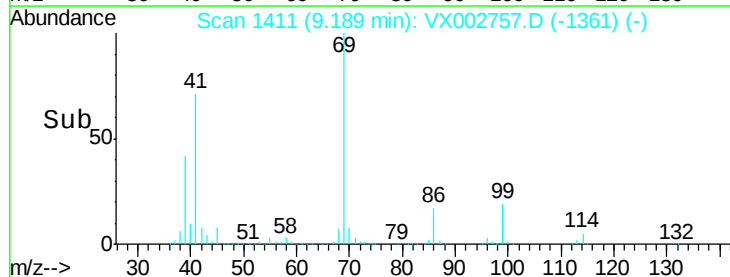
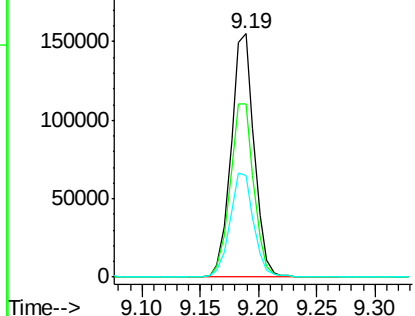


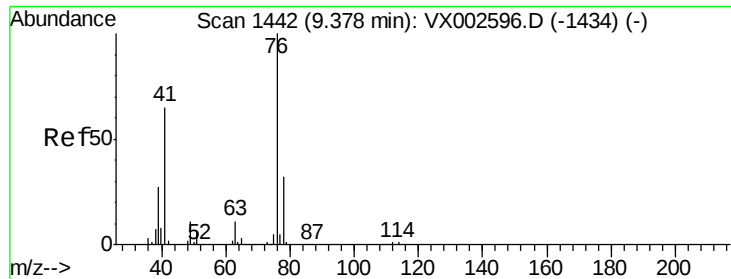
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

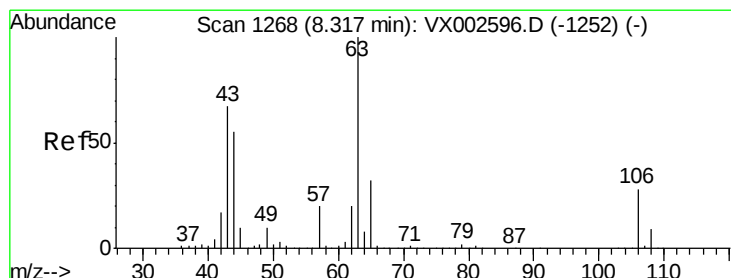
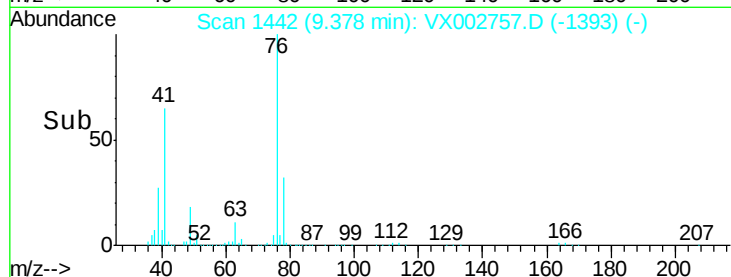
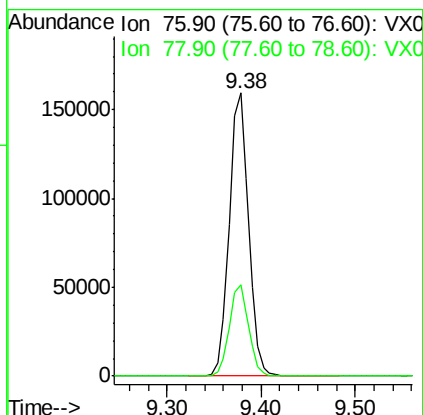
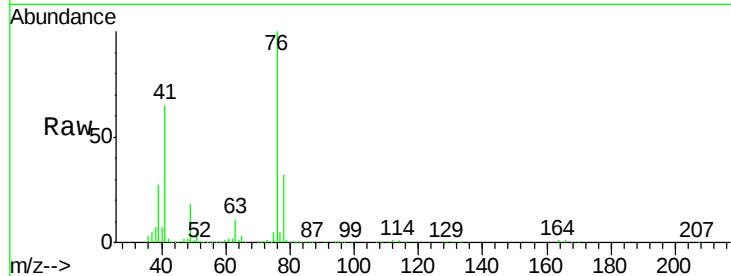




#57
 1,3-Dichloropropane
 Concen: 49.93 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX002757.D
 Acq: 20 Jun 2018 22:33

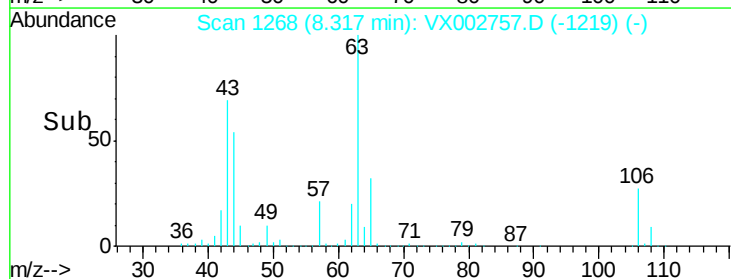
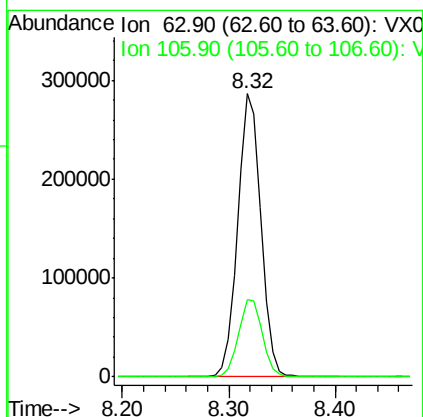
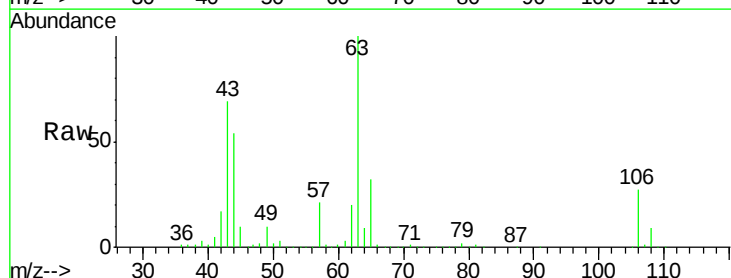
Instrument :
 MSVOA_X
 ClientSampleId :

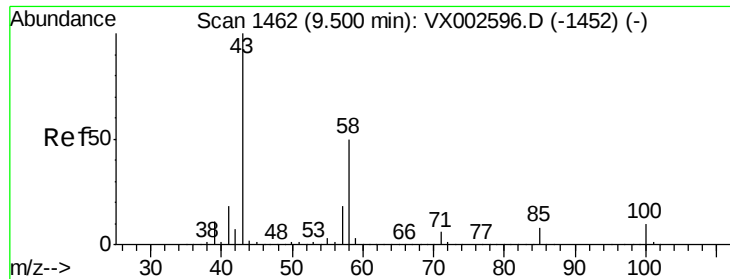
Tot Ion: 76 Resp: 226253
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 219.57 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX002757.D
 Acq: 20 Jun 2018 22:33

Tgt Ion: 63 Resp: 437883
 Ion Ratio Lower Upper
 63 100
 106 28.2 21.8 32.8

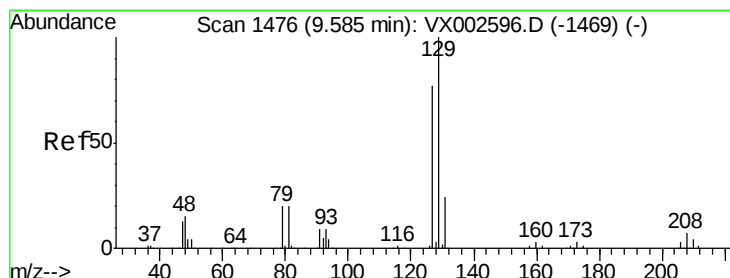
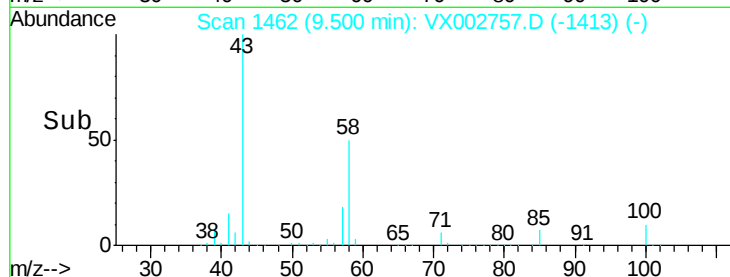
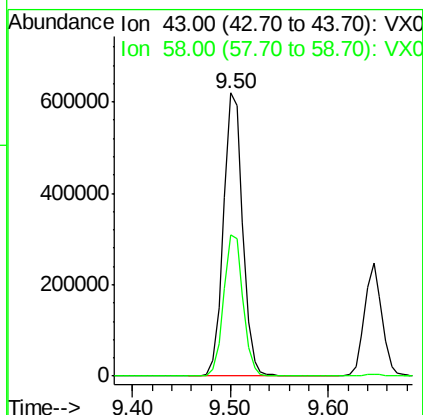
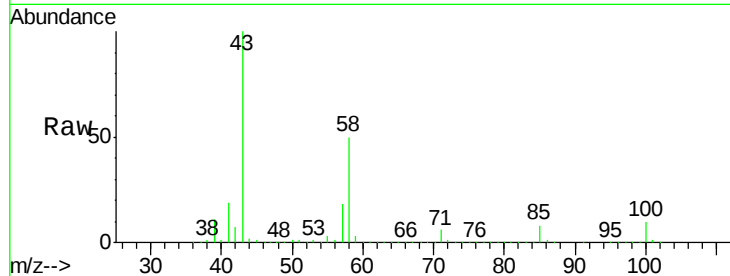




#59
2-Hexanone
Concen: 268.06 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002757.D
Acq: 20 Jun 2018 22:33

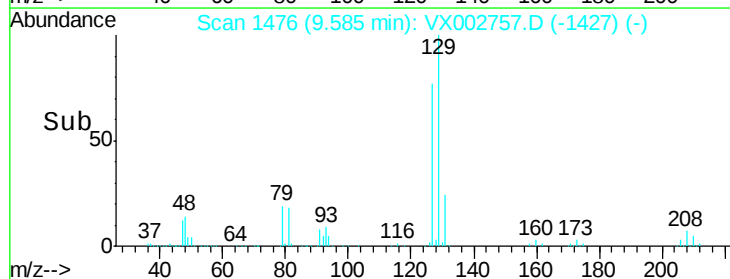
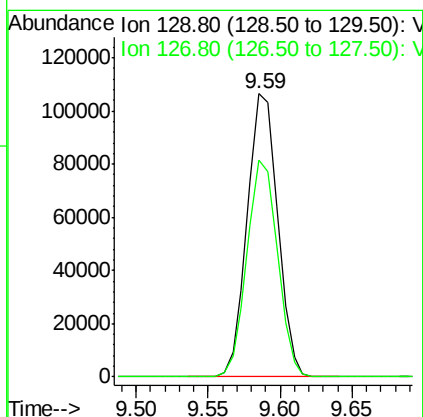
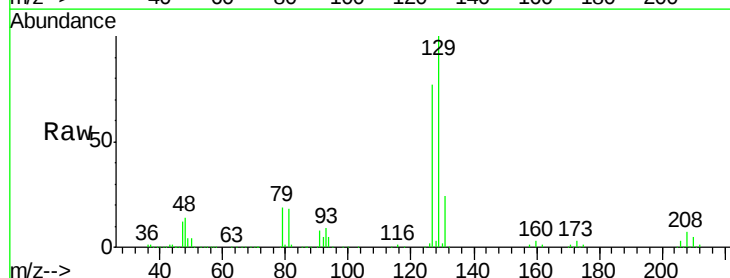
Instrument :
MSVOA_X
ClientSampleId :

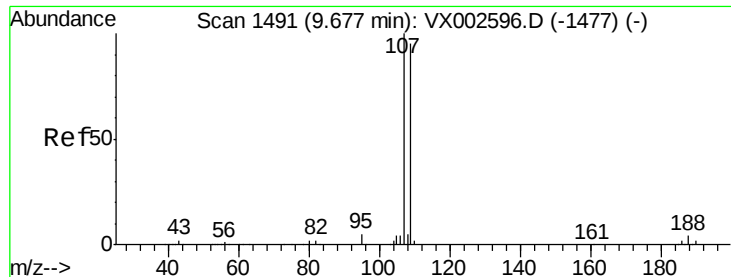
Tot Ion: 43 Resp: 843149
Ion Ratio Lower Upper
43 100
58 50.3 24.6 73.6



#60
Dibromochloromethane
Concen: 51.72 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002757.D
Acq: 20 Jun 2018 22:33

Tgt Ion:129 Resp: 156286
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 53.59 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

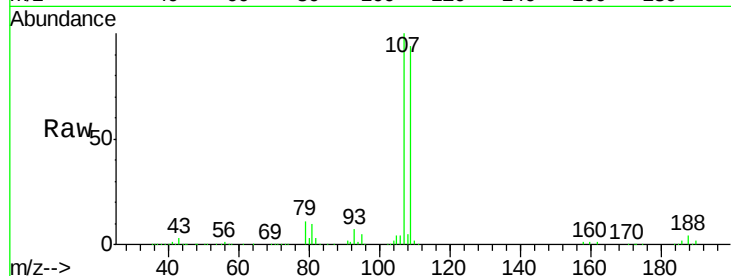
ClientSampleId :

Tot Ion:107 Resp: 148709

Ion Ratio Lower Upper

107 100

109 94.8 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

120000

100000

80000

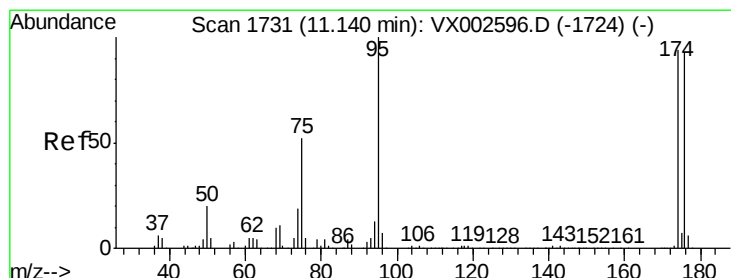
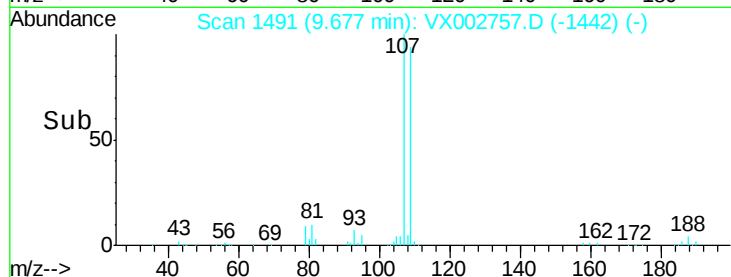
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.24 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

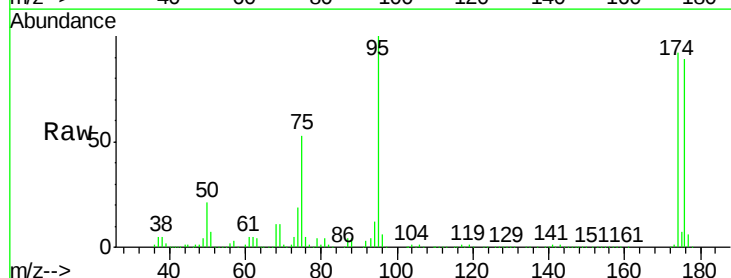
Tgt Ion: 95 Resp: 177049

Ion Ratio Lower Upper

95 100

174 96.4 0.0 187.4

176 94.3 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

200000

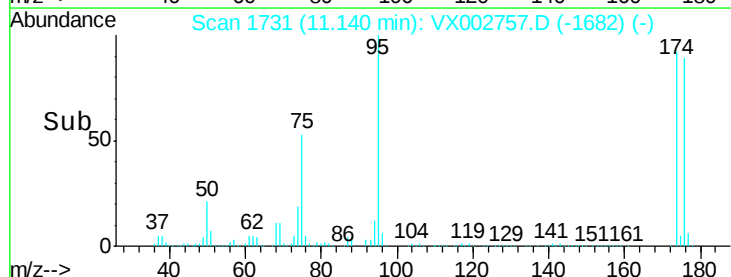
150000

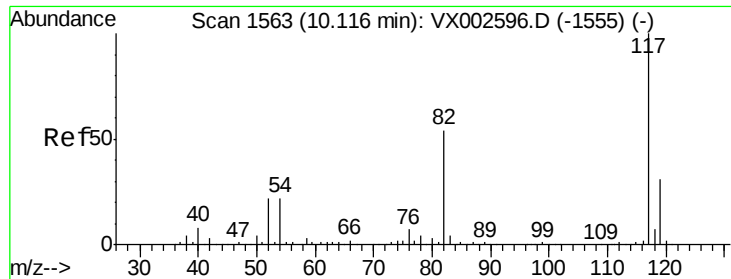
100000

50000

0

Time-->

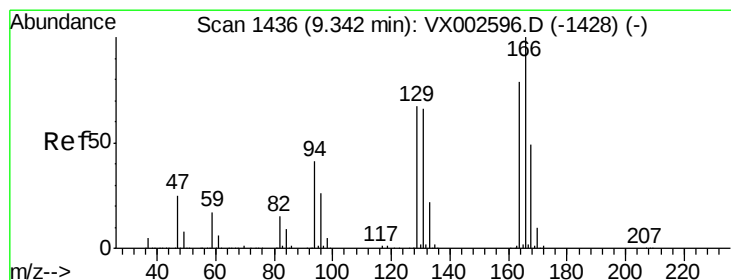
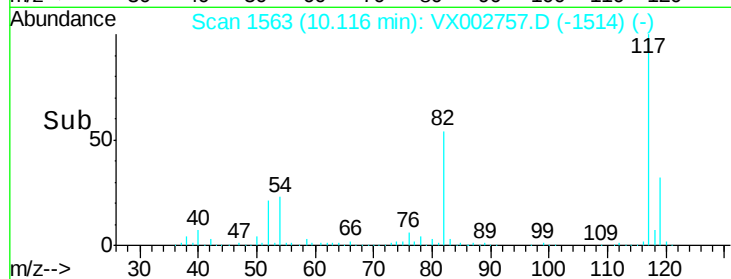
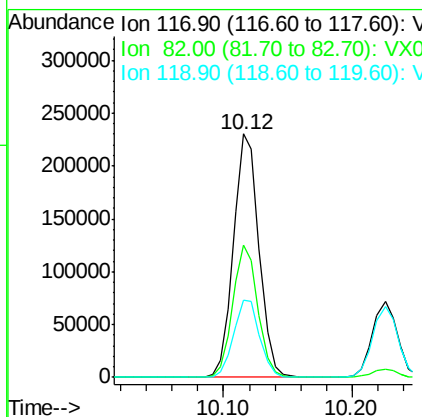
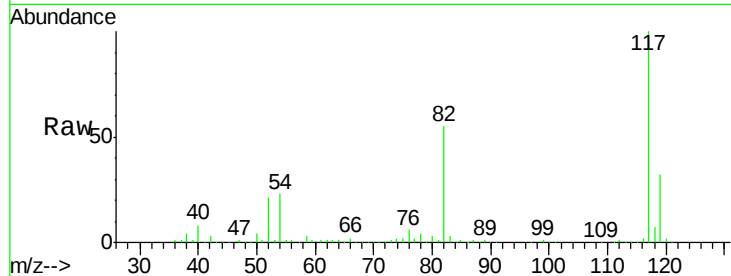




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002757.D
Acq: 20 Jun 2018 22:33

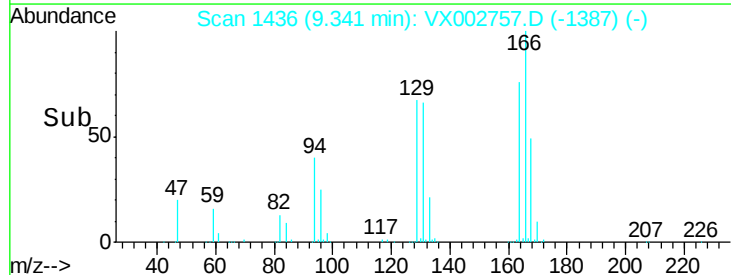
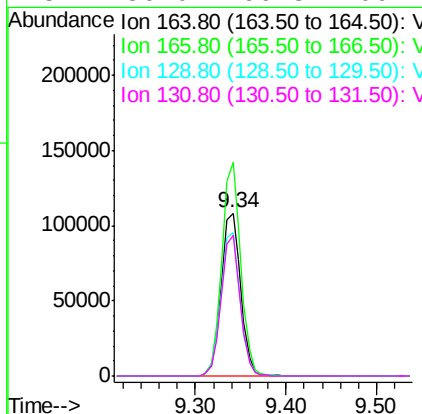
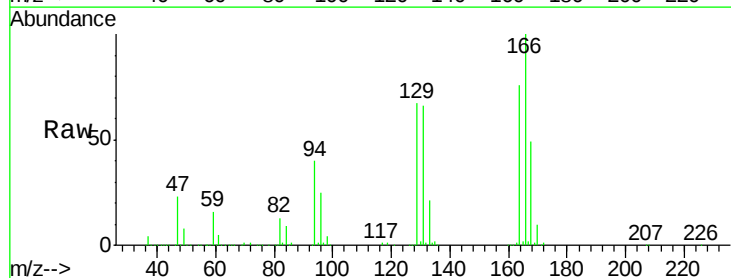
Instrument :
MSVOA_X
ClientSampleId :

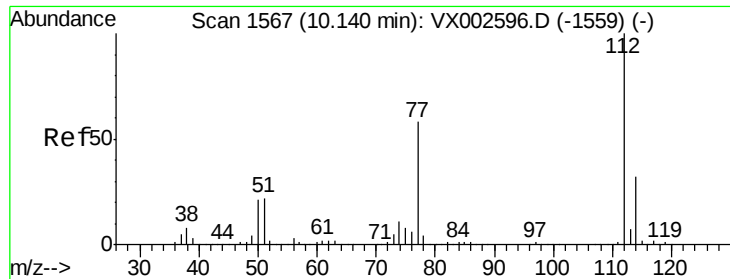
Tot Ion:117 Resp: 318024
Ion Ratio Lower Upper
117 100
82 54.5 45.0 67.4
119 31.8 25.8 38.6



#64
Tetrachloroethene
Concen: 45.84 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002757.D
Acq: 20 Jun 2018 22:33

Tgt Ion:164 Resp: 161822
Ion Ratio Lower Upper
164 100
166 130.9 102.9 154.3
129 88.1 68.6 102.8
131 86.0 66.8 100.2





#65

Chlorobenzene

Concen: 49.97 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

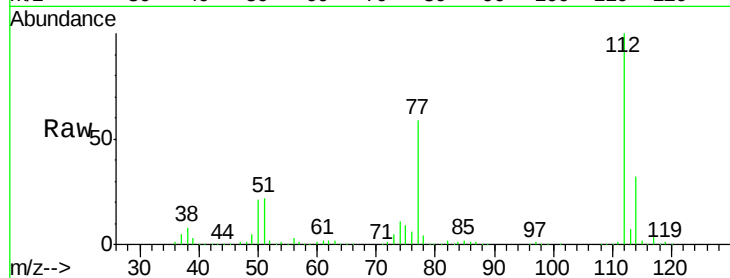
ClientSampleId :

Tot Ion:112 Resp: 390270

Ion Ratio Lower Upper

112 100

114 32.2 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

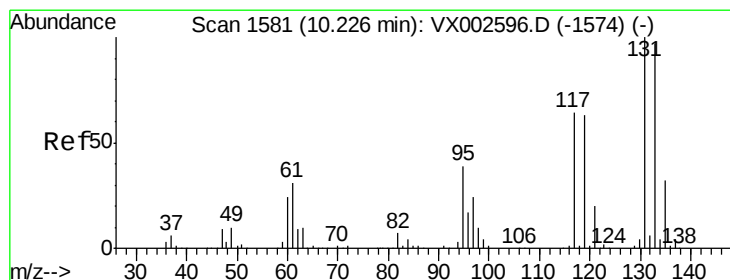
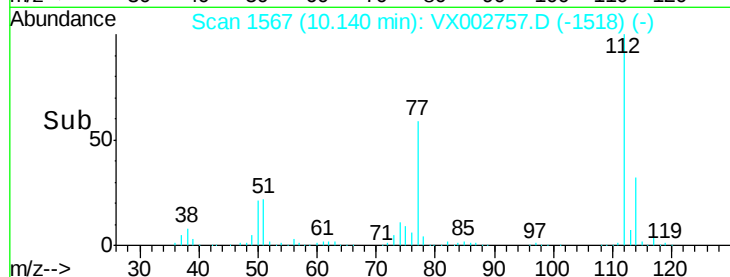
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 55.07 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

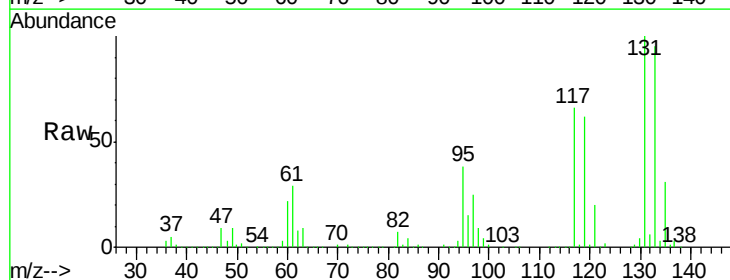
Tgt Ion:131 Resp: 146637

Ion Ratio Lower Upper

131 100

133 95.4 47.9 143.6

119 62.4 31.8 95.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

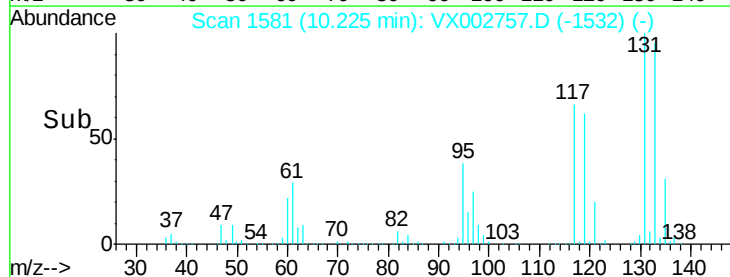
150000

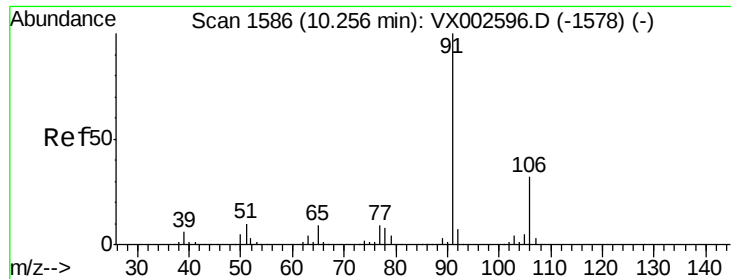
100000

50000

0

Time-->

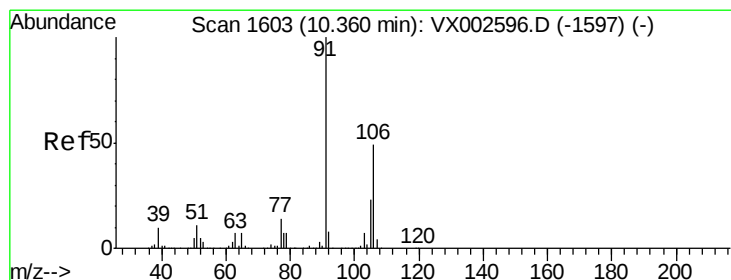
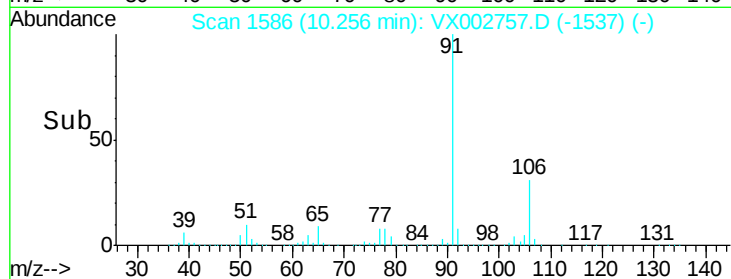
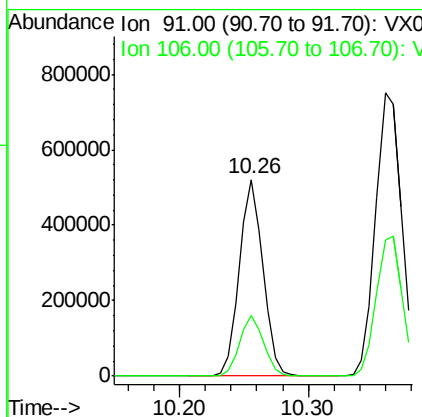
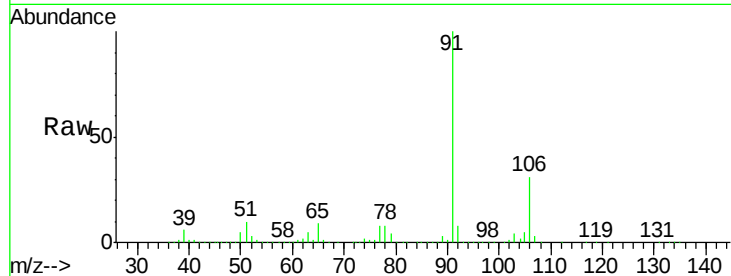




#67
Ethyl Benzene
Concen: 50.36 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002757.D
Acq: 20 Jun 2018 22:33

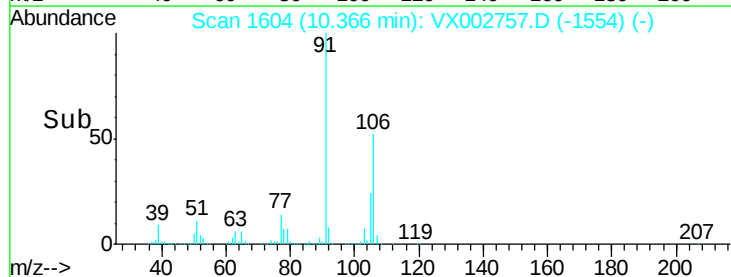
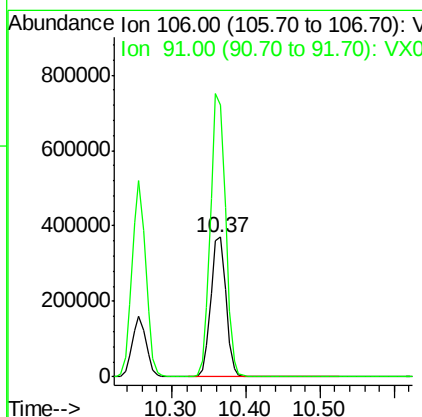
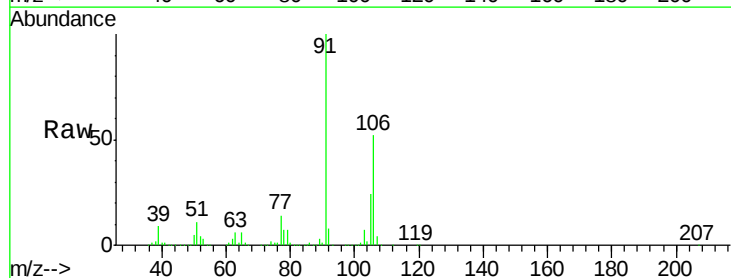
Instrument :
MSVOA_X
ClientSampled :

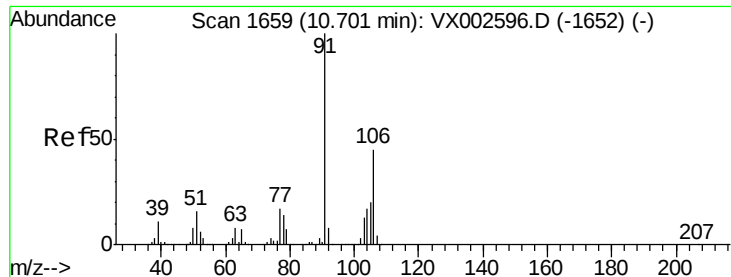
Tot Ion: 91 Resp: 663413
Ion Ratio Lower Upper
91 100
106 30.8 25.5 38.3



#68
m/p-Xylenes
Concen: 101.79 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX002757.D
Acq: 20 Jun 2018 22:33

Tgt Ion:106 Resp: 517244
Ion Ratio Lower Upper
106 100
91 202.3 163.4 245.2

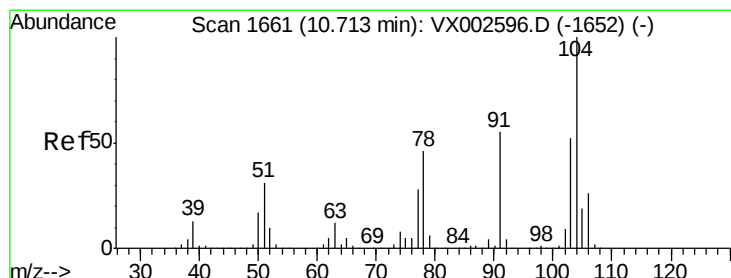
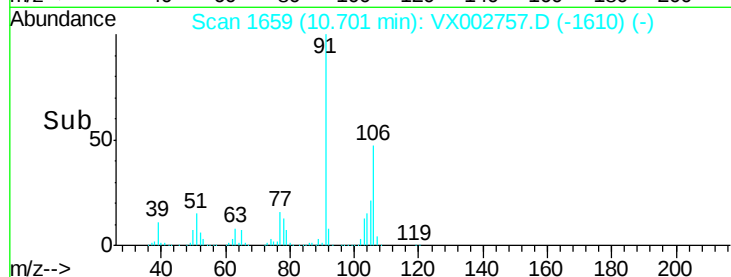
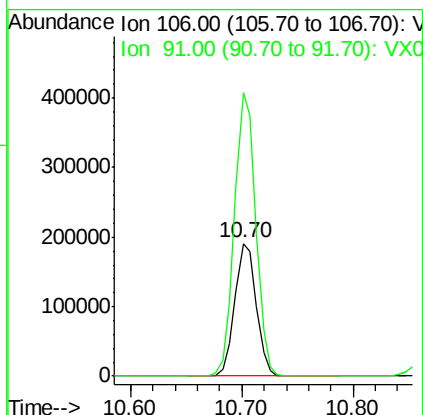
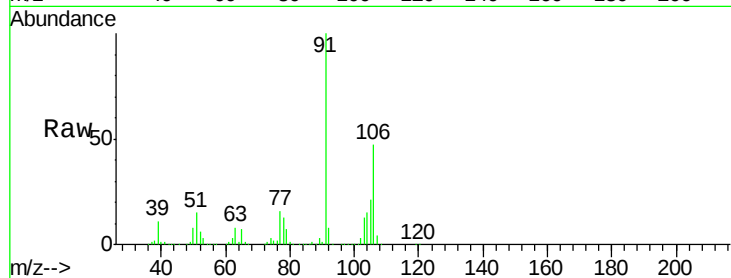




#69
o-Xylene
Concen: 50.83 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002757.D
Acq: 20 Jun 2018 22:33

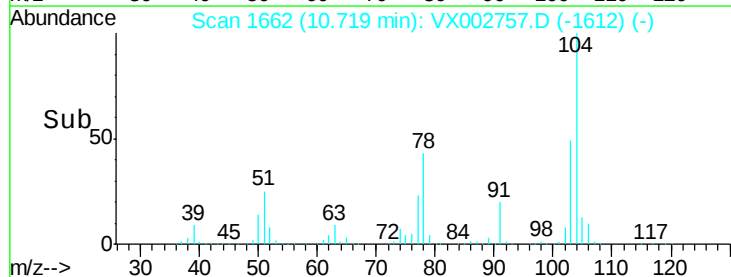
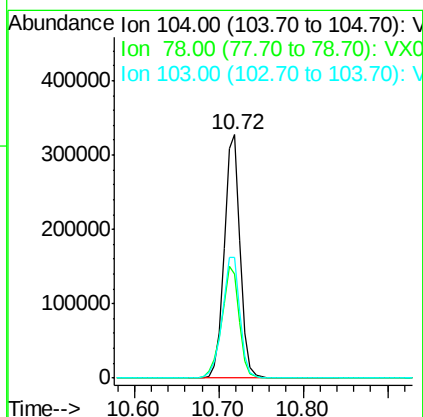
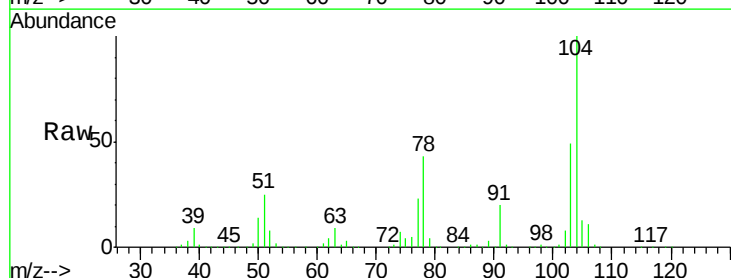
Instrument :
MSVOA_X
ClientSampled :

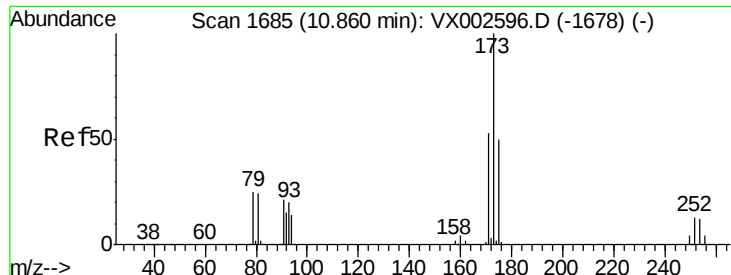
Tot Ion:106 Resp: 253780
Ion Ratio Lower Upper
106 100
91 213.4 108.2 324.6



#70
Styrene
Concen: 51.82 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.01 min
Lab File: VX002757.D
Acq: 20 Jun 2018 22:33

Tgt Ion:104 Resp: 425452
Ion Ratio Lower Upper
104 100
78 50.5 41.0 61.6
103 55.3 44.2 66.4





#71

Bromoform

Concen: 50.82 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

ClientSampleId :

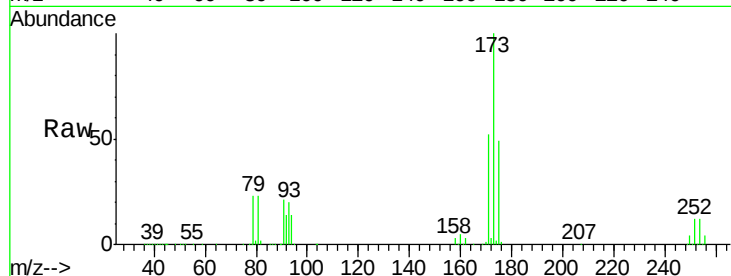
Tot Ion:173 Resp: 123393

Ion Ratio Lower Upper

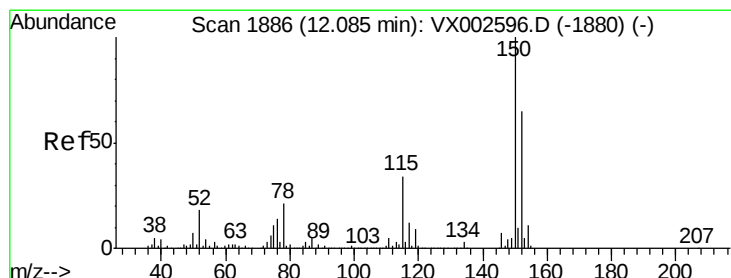
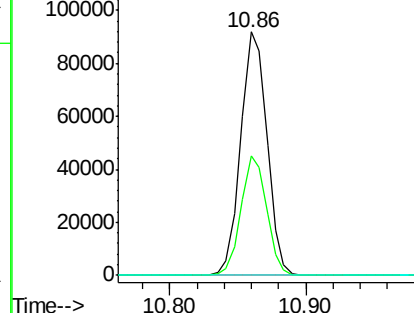
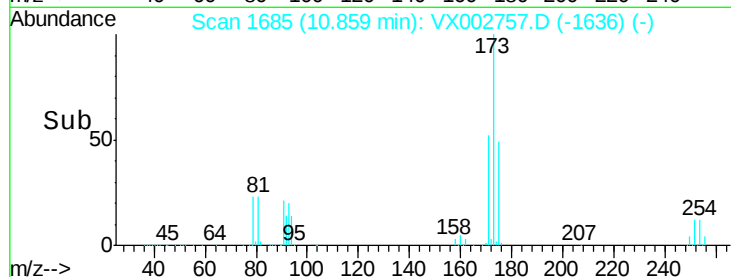
173 100

175 48.1 24.7 74.1

254 0.2 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# 1886

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

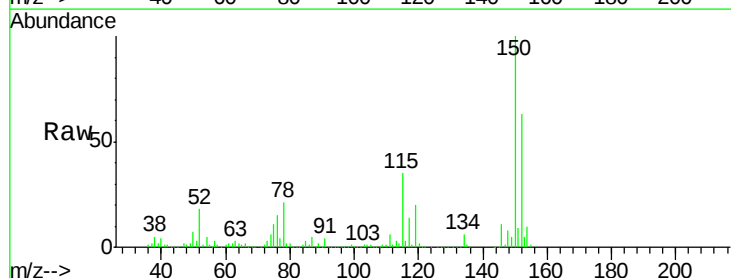
Tgt Ion:152 Resp: 203372

Ion Ratio Lower Upper

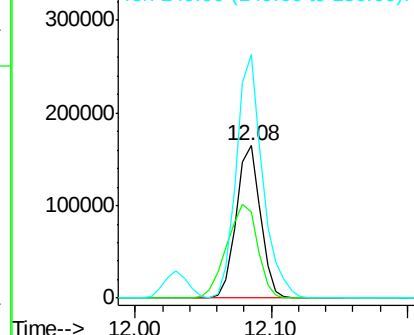
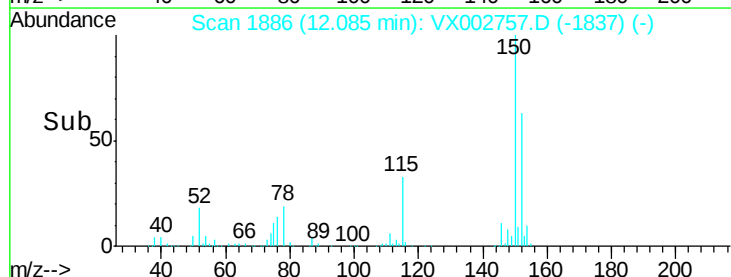
152 100

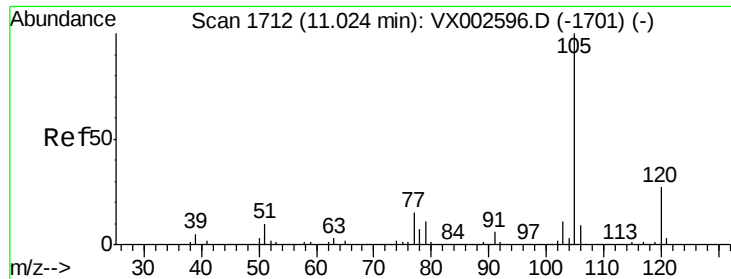
115 78.4 40.1 120.2

150 174.2 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: 50.36 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

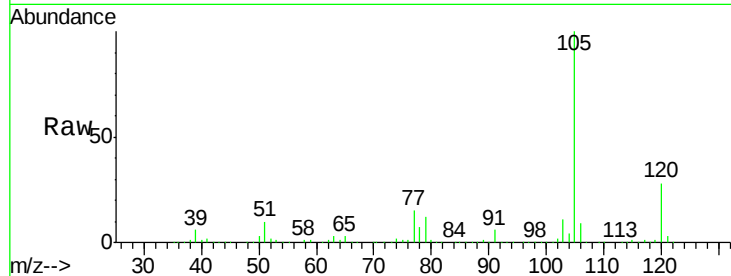
ClientSampleId :

Tot Ion:105 Resp: 684945

Ion Ratio Lower Upper

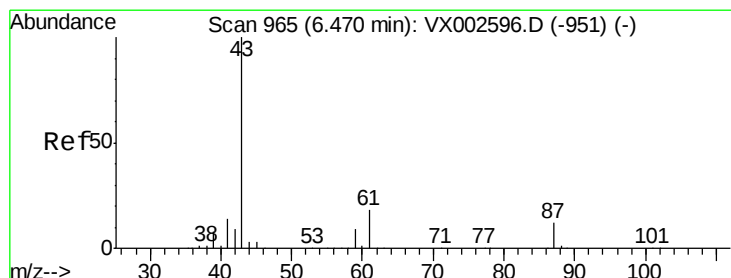
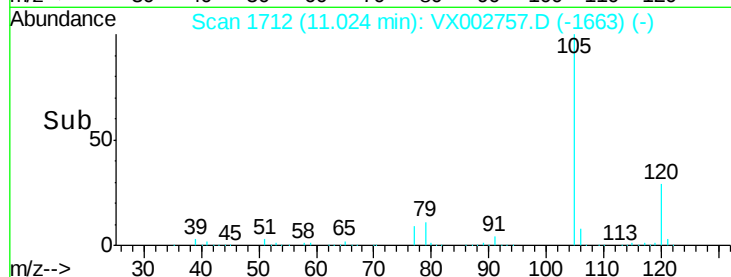
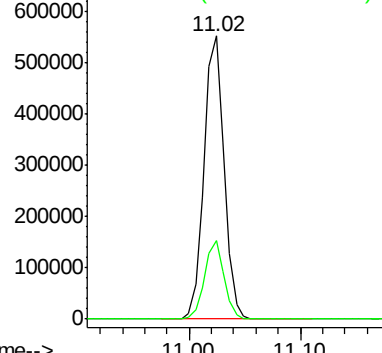
105 100

120 26.9 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: 48.43 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Tgt Ion: 43 Resp: 327287

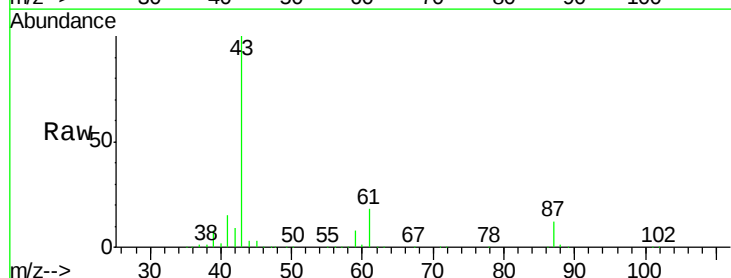
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 18.4 14.4 21.6

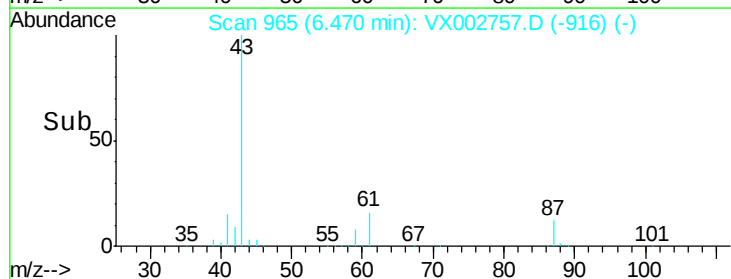
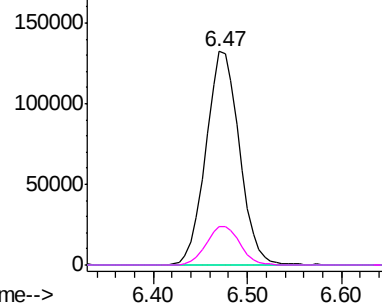


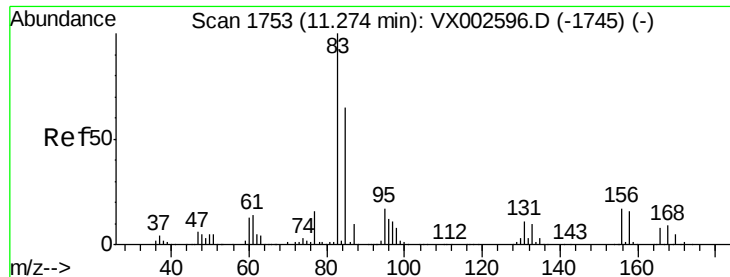
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 54.93 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

ClientSampleId :

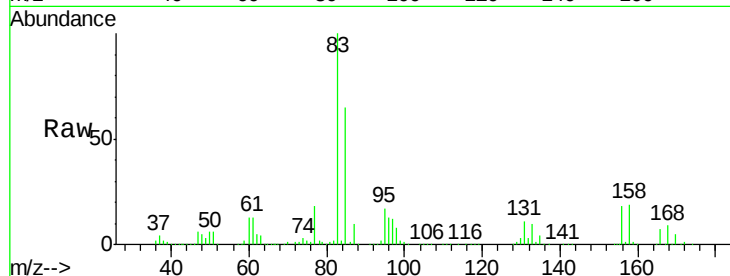
Tot Ion: 83 Resp: 220656

Ion Ratio Lower Upper

83 100

131 11.2 5.6 16.8

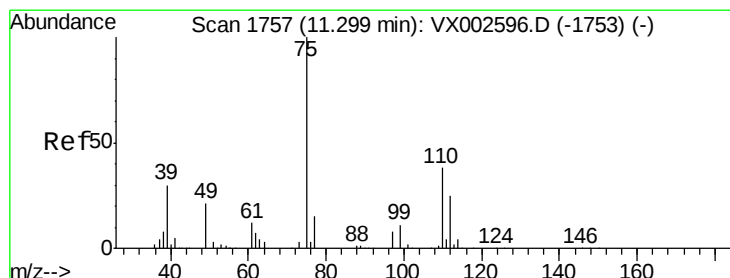
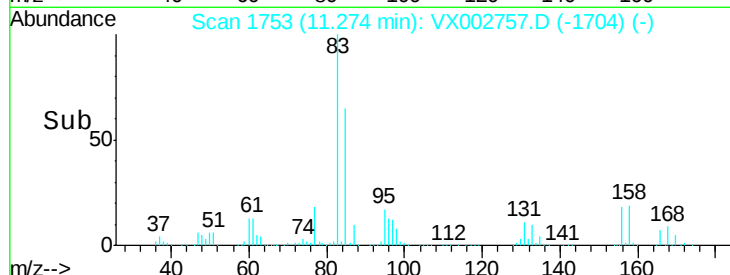
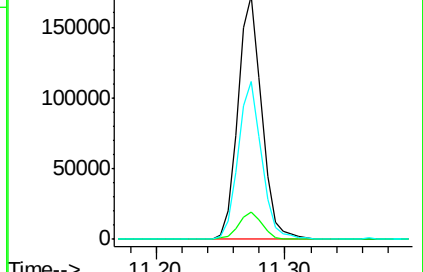
85 64.3 32.4 97.2



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: 60.84 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002757.D

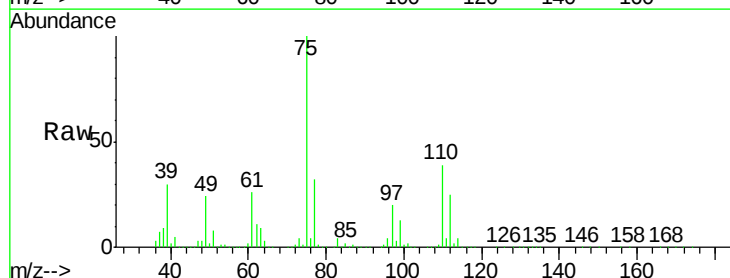
Acq: 20 Jun 2018 22:33

Tgt Ion: 75 Resp: 233471

Ion Ratio Lower Upper

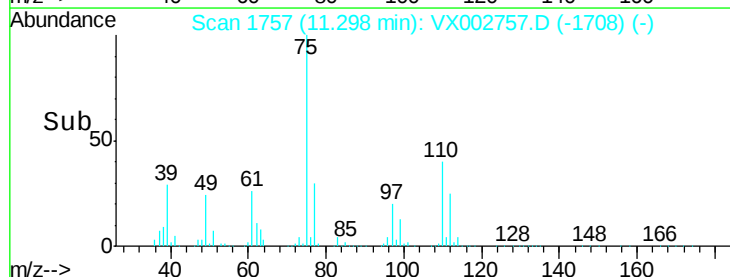
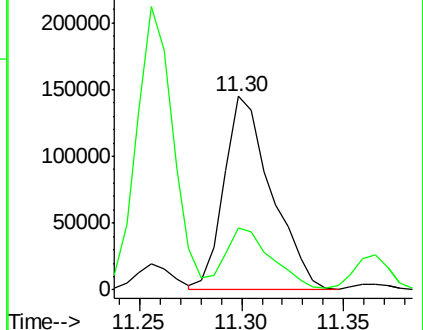
75 100

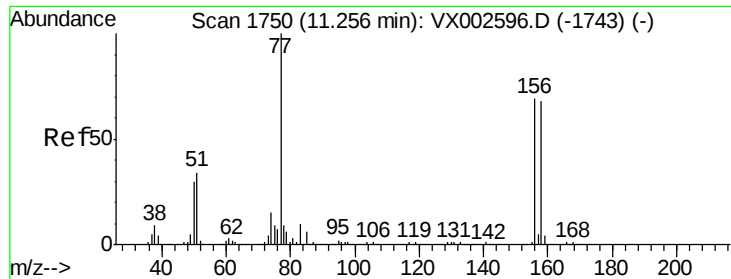
77 31.8 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.42 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

ClientSampleId :

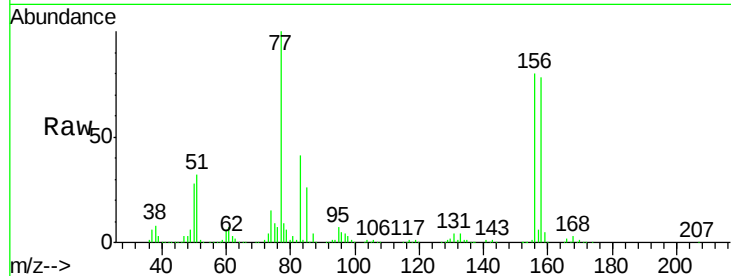
Tot Ion:156 Resp: 191058

Ion Ratio Lower Upper

156 100

77 136.9 71.4 214.2

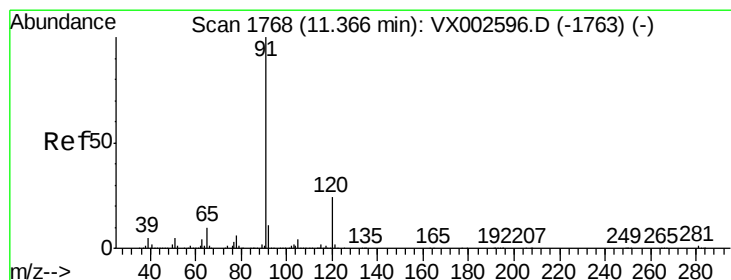
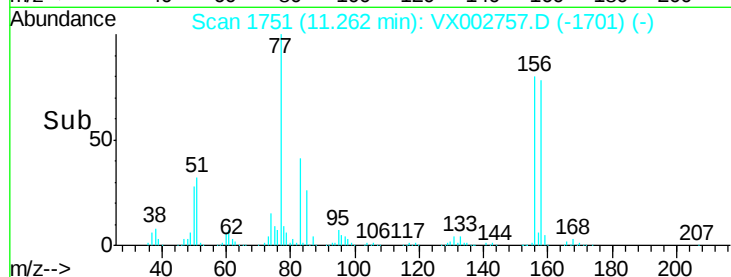
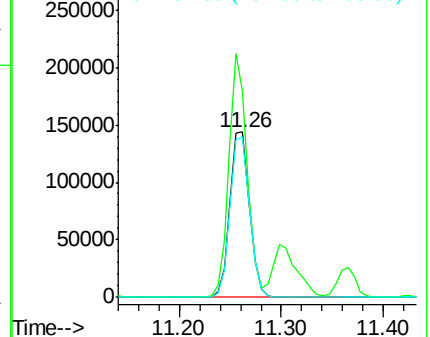
158 97.5 48.9 146.6



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: 49.79 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002757.D

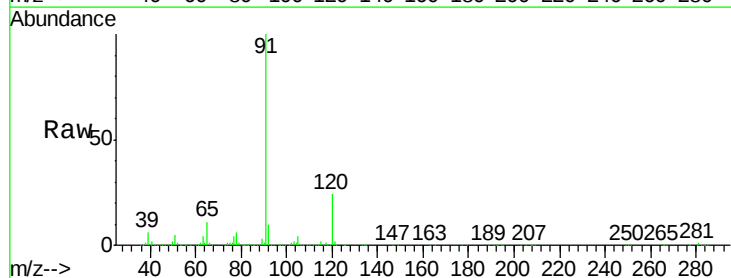
Acq: 20 Jun 2018 22:33

Tgt Ion: 91 Resp: 776744

Ion Ratio Lower Upper

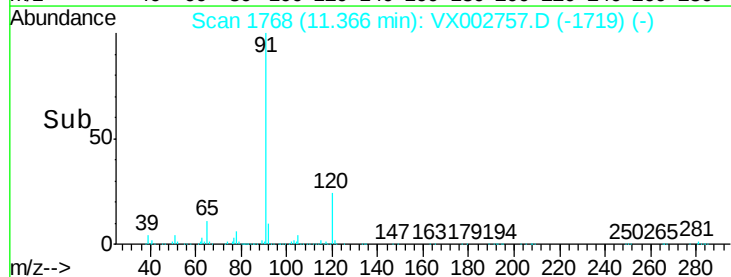
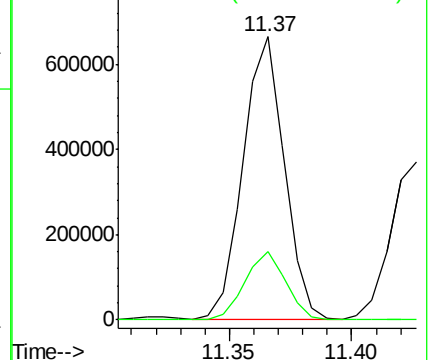
91 100

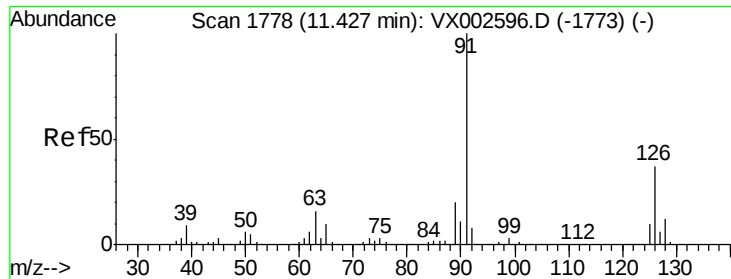
120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.49 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

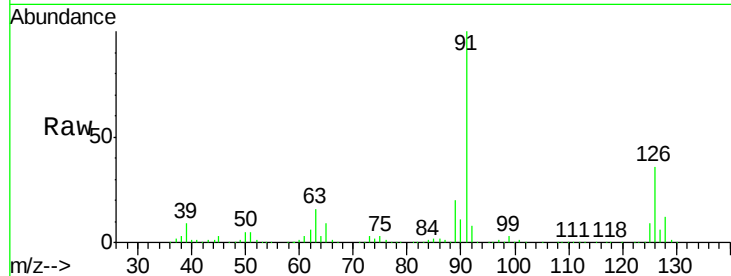
ClientSampleId :

Tot Ion: 91 Resp: 460907

Ion Ratio Lower Upper

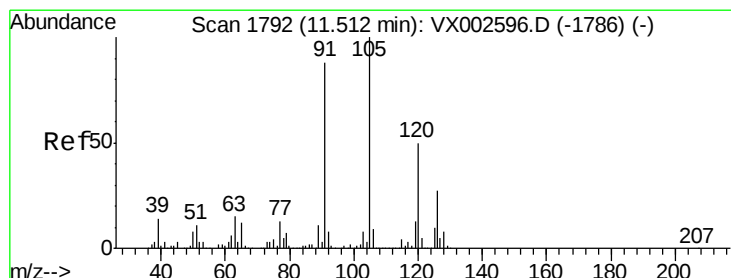
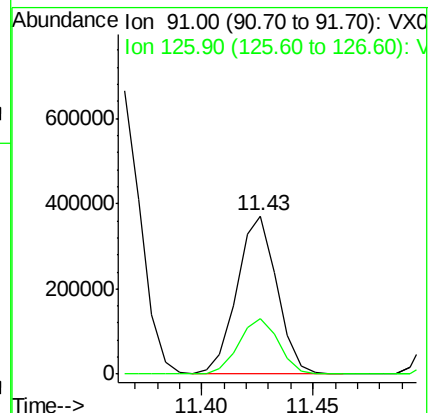
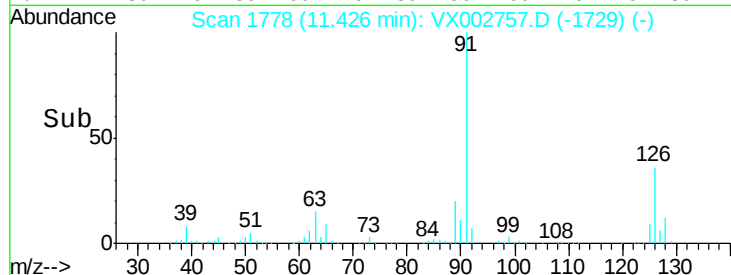
91 100

126 35.7 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX002757.D (-1729) (-)

Ion 125.90 (125.60 to 126.60): VX002757.D (-1729) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.41 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002757.D

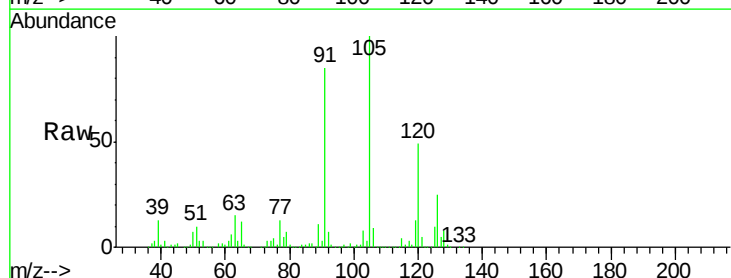
Acq: 20 Jun 2018 22:33

Tgt Ion: 105 Resp: 579503

Ion Ratio Lower Upper

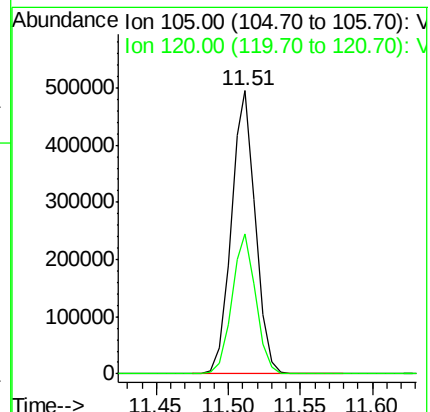
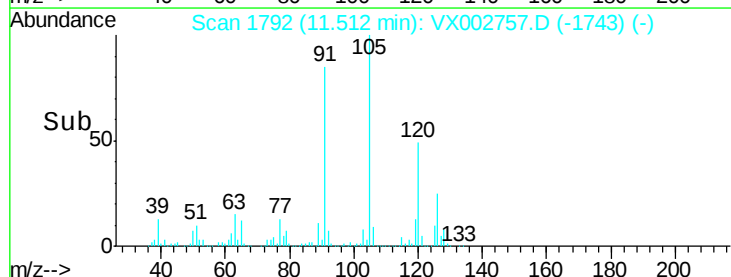
105 100

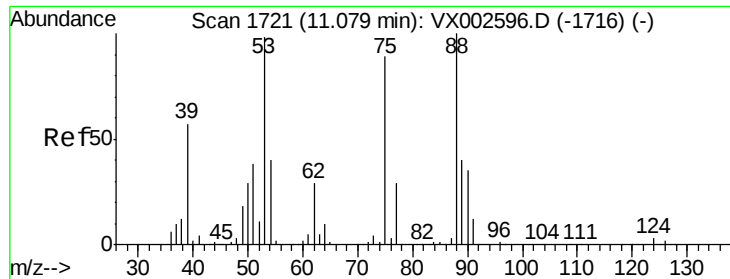
120 49.0 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002757.D (-1743) (-)

Ion 120.00 (119.70 to 120.70): VX002757.D (-1743) (-)

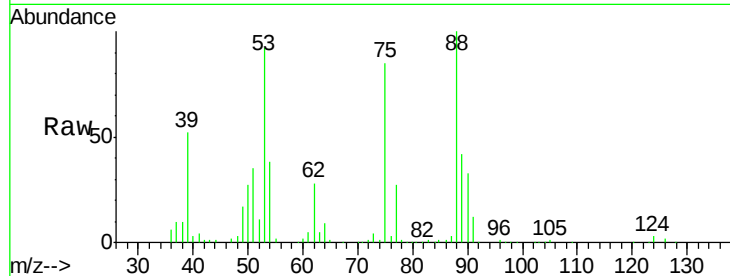




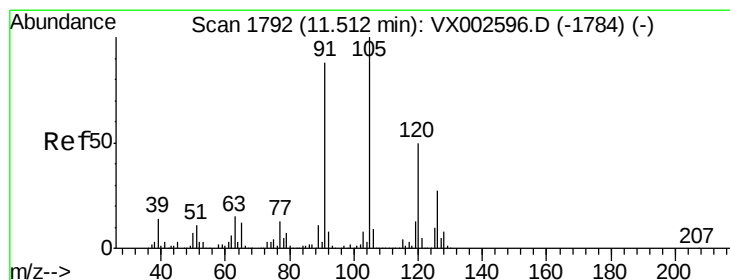
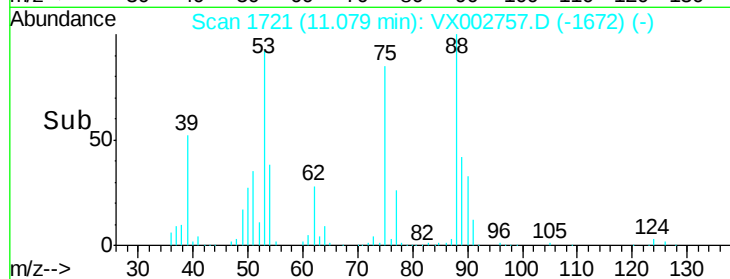
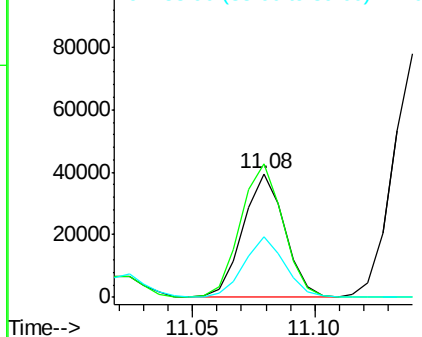
#81
trans-1,4-Dichloro-2-butene
Concen: 40.28 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002757.D
Acq: 20 Jun 2018 22:33

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 47244
Ion Ratio Lower Upper
75 100
53 109.2 86.8 130.2
89 48.4 38.2 57.2

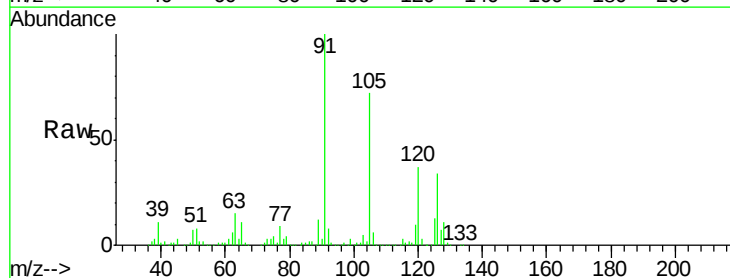


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

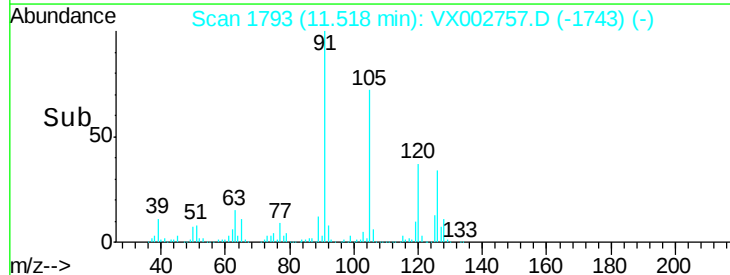
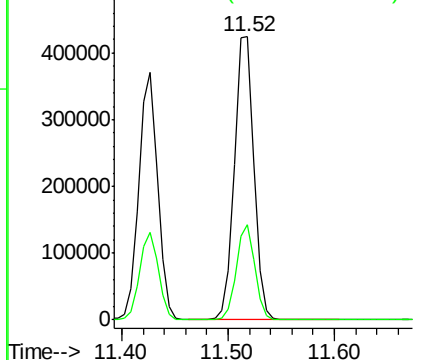


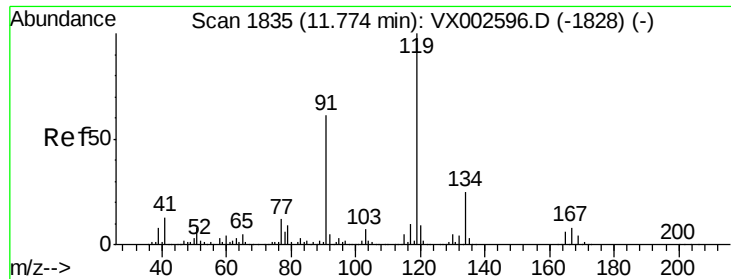
#82
4-Chlorotoluene
Concen: 50.02 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.01 min
Lab File: VX002757.D
Acq: 20 Jun 2018 22:33

Tgt Ion: 91 Resp: 549711
Ion Ratio Lower Upper
91 100
126 31.7 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

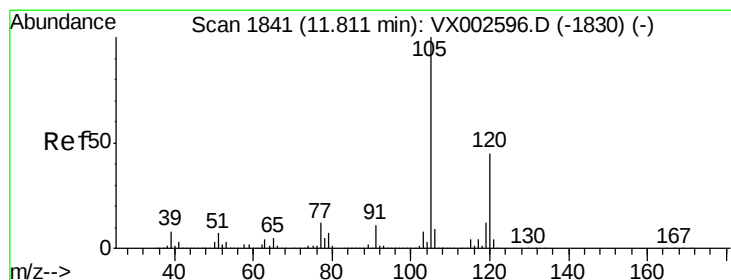
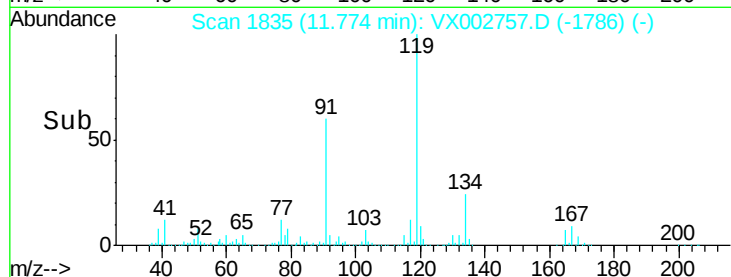
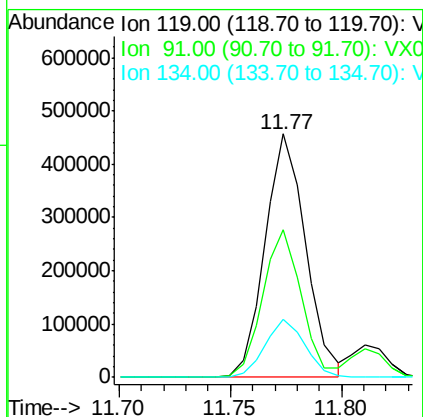
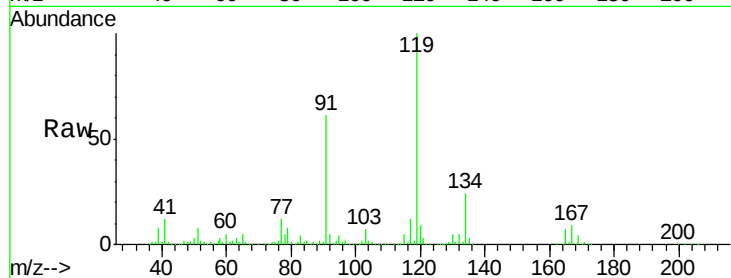




#83
tert-Butylbenzene
Concen: 52.24 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002757.D
Acq: 20 Jun 2018 22:33

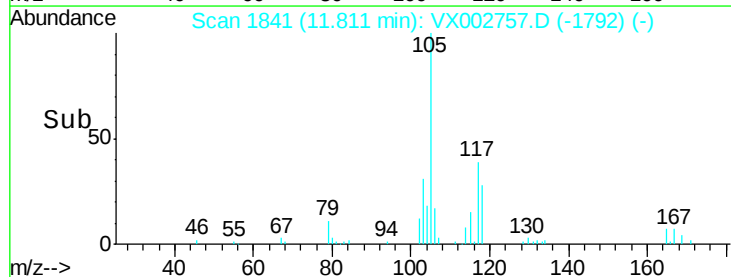
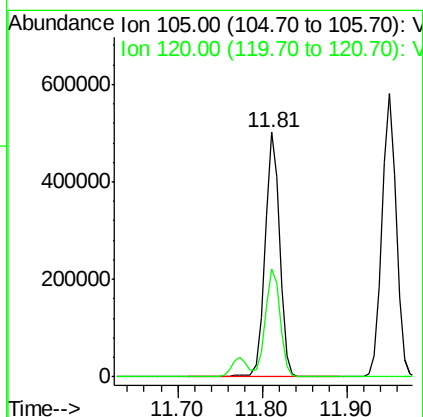
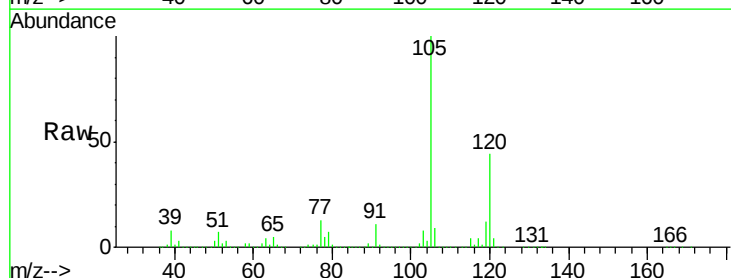
Instrument :
MSVOA_X
ClientSampleId :

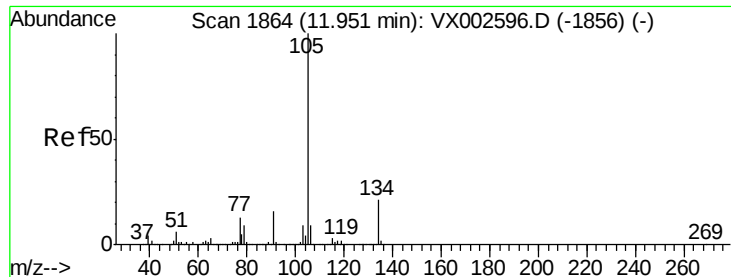
Tot Ion:119 Resp: 578499
Ion Ratio Lower Upper
119 100
91 58.2 30.3 90.9
134 23.4 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 51.16 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002757.D
Acq: 20 Jun 2018 22:33

Tgt Ion:105 Resp: 600090
Ion Ratio Lower Upper
105 100
120 44.3 22.3 66.8





#85

sec-Butylbenzene

Concen: 49.80 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

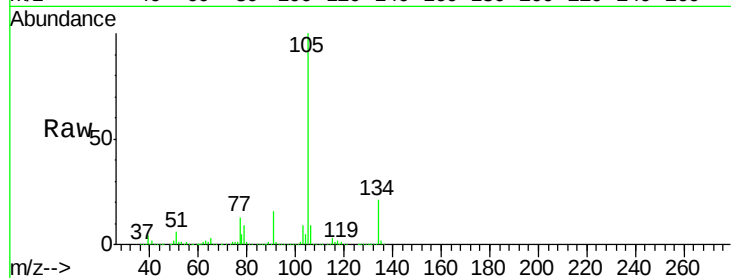
ClientSampleId :

Tot Ion:105 Resp: 685727

Ion Ratio Lower Upper

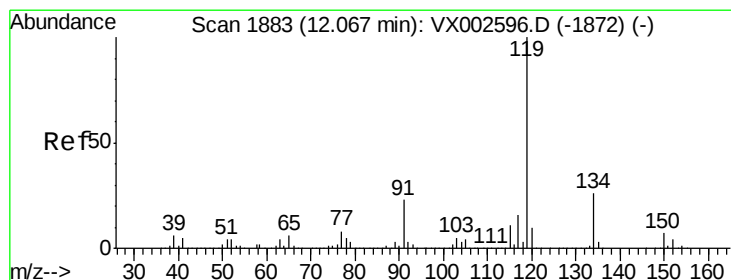
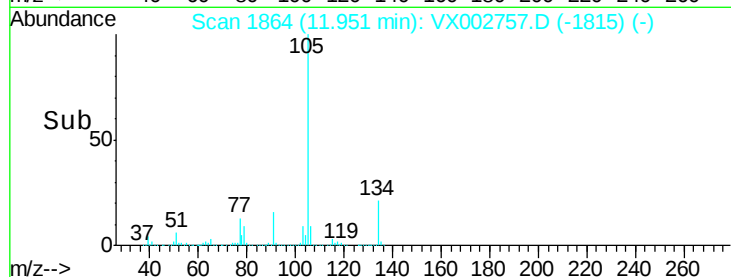
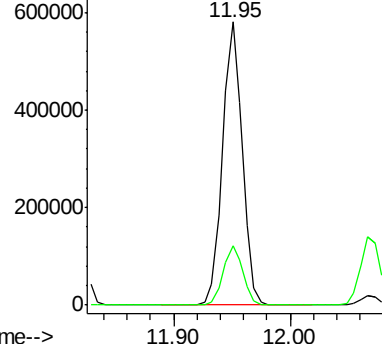
105 100

134 21.2 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.47 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

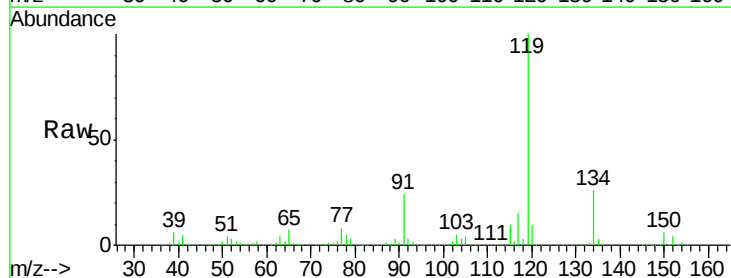
Tgt Ion:119 Resp: 628819

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

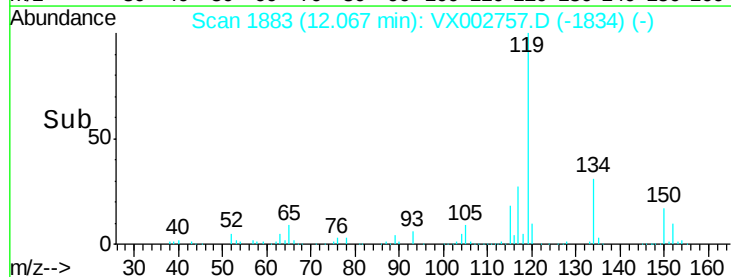
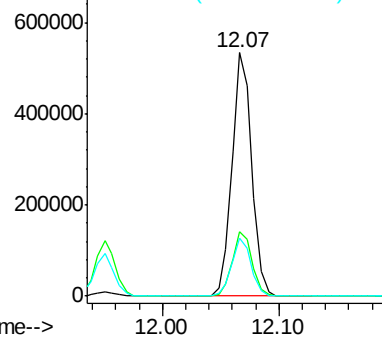
91 23.5 11.9 35.7

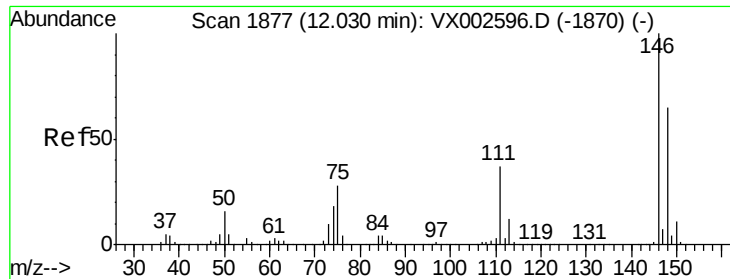


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.74 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

ClientSampleId :

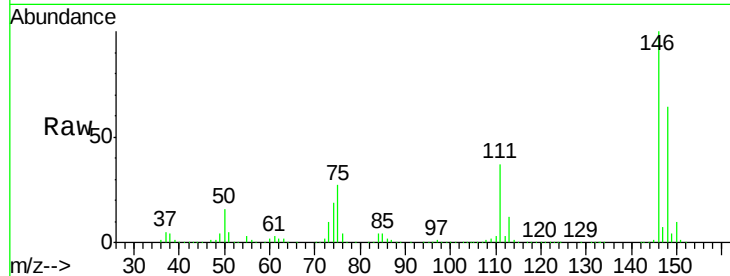
Tot Ion:146 Resp: 345636

Ion Ratio Lower Upper

146 100

111 37.5 18.9 56.7

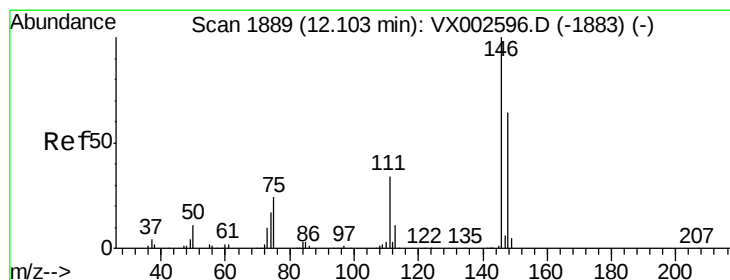
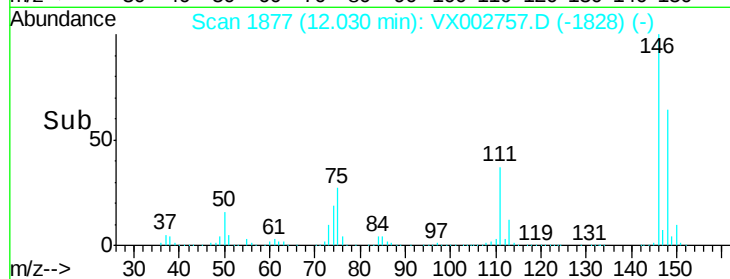
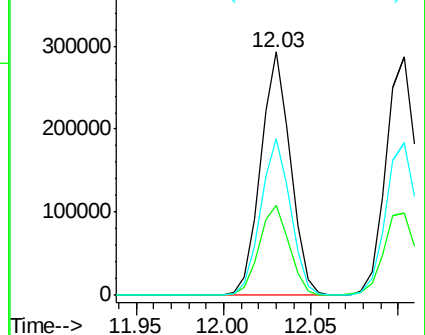
148 64.6 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.48 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

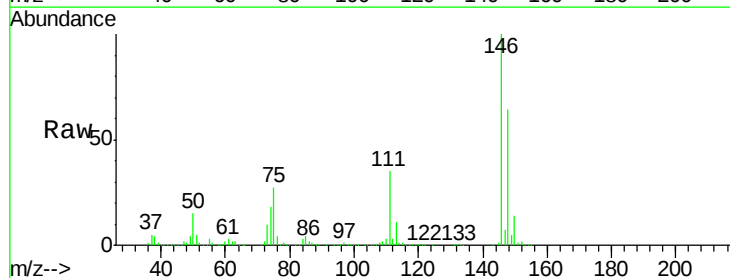
Tgt Ion:146 Resp: 349859

Ion Ratio Lower Upper

146 100

111 36.6 18.7 56.1

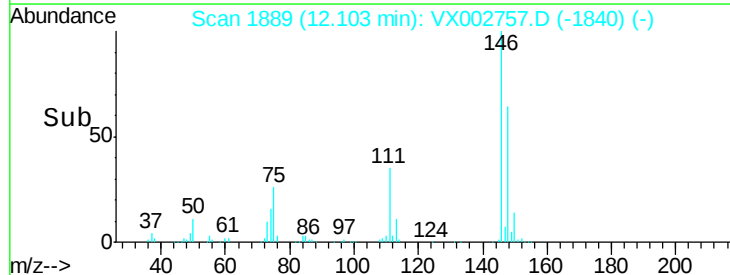
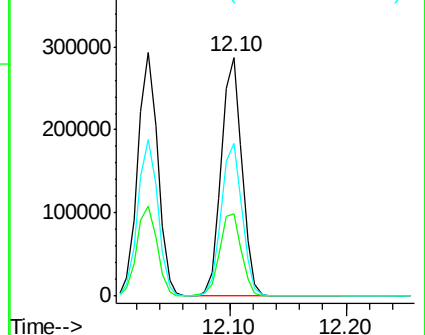
148 64.8 32.4 97.0

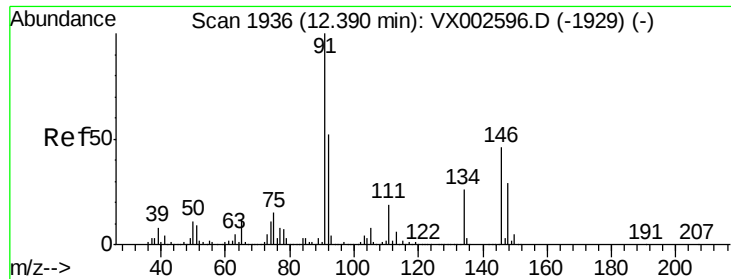


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 48.69 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

ClientSampled :

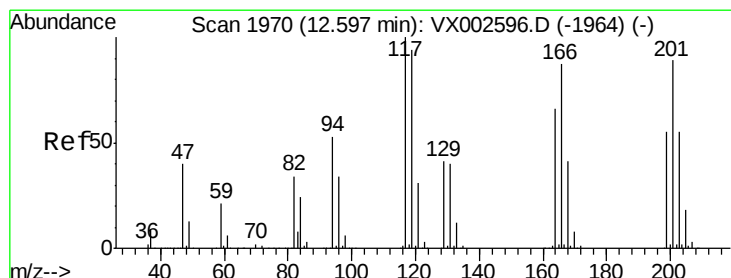
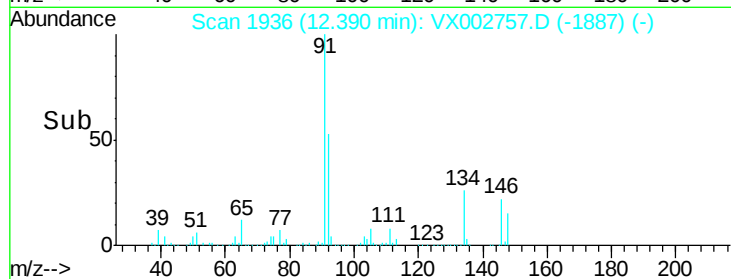
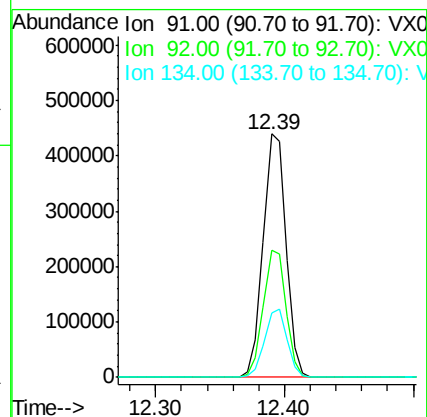
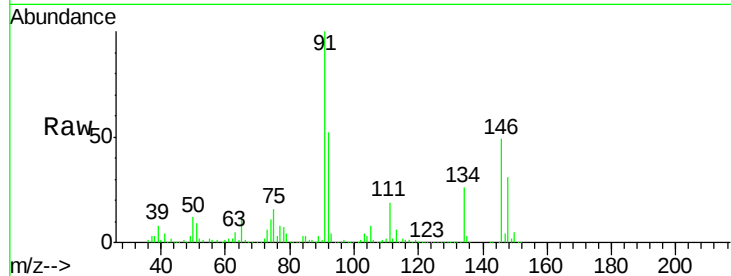
Tot Ion: 91 Resp: 535084

Ion Ratio Lower Upper

91 100

92 51.9 26.0 78.0

134 27.5 13.5 40.5



#90

Hexachloroethane

Concen: 45.46 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.01 min

Lab File: VX002757.D

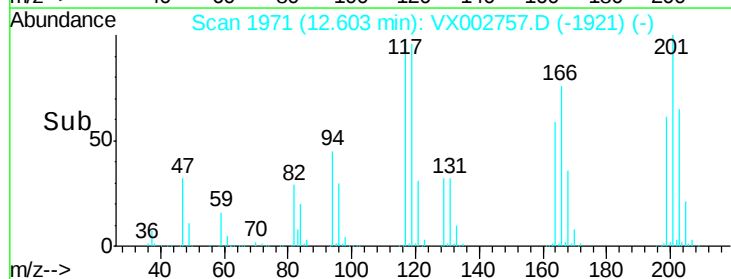
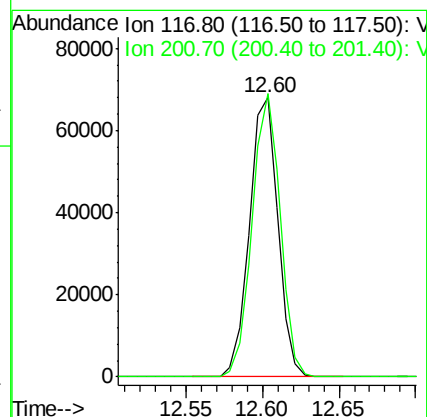
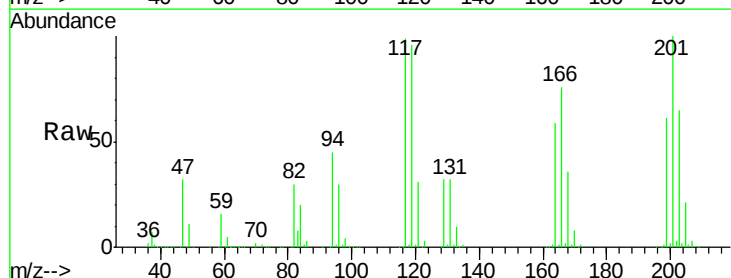
Acq: 20 Jun 2018 22:33

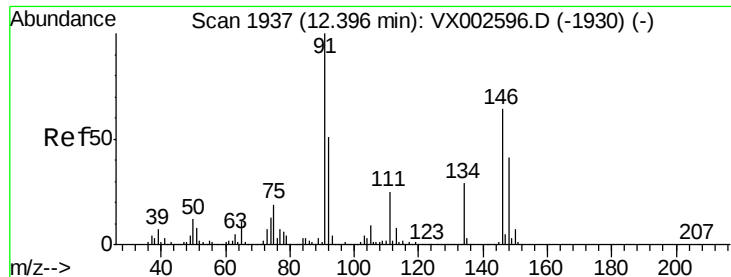
Tgt Ion: 117 Resp: 87786

Ion Ratio Lower Upper

117 100

201 99.9 49.0 147.0

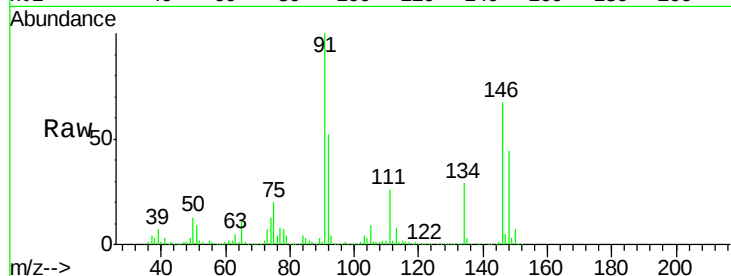




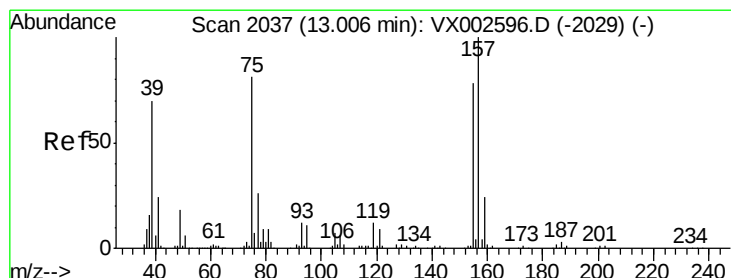
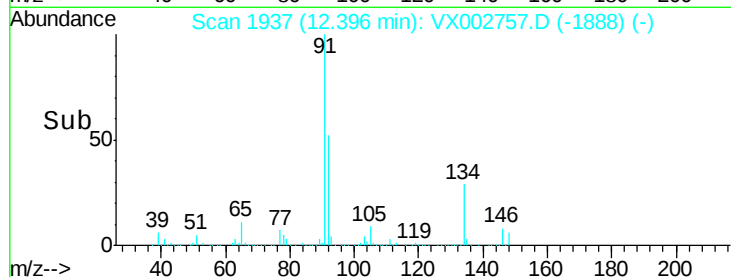
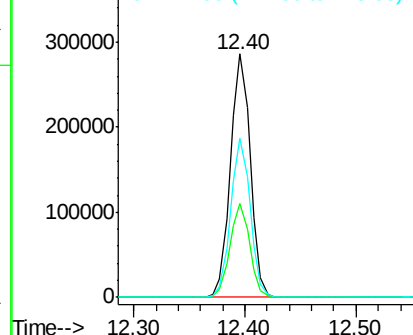
#91
 1,2-Dichlorobenzene
 Concen: 50.44 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002757.D
 Acq: 20 Jun 2018 22:33

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.1
148	64.2	31.7	95.1

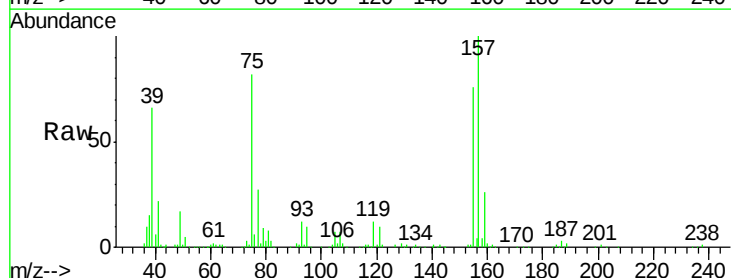


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

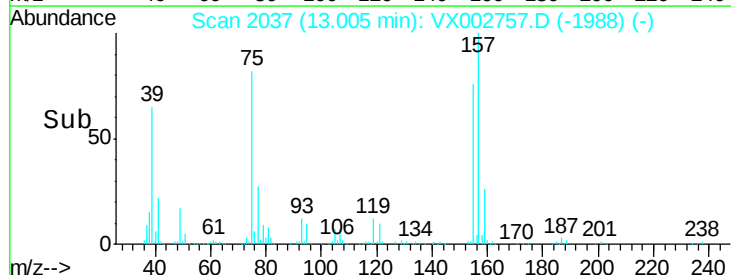
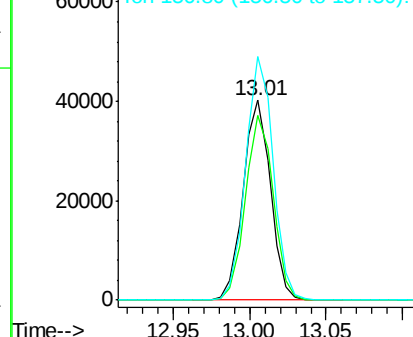


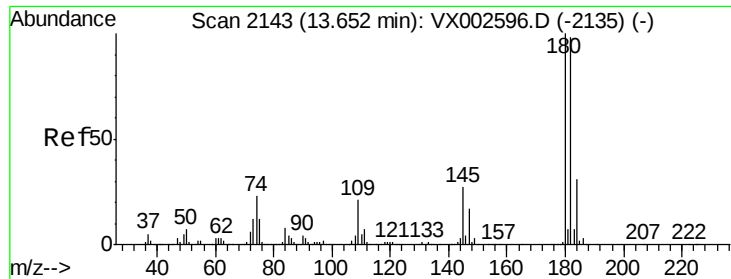
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.29 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002757.D
 Acq: 20 Jun 2018 22:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	45.8	137.4
157	122.3	60.1	180.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

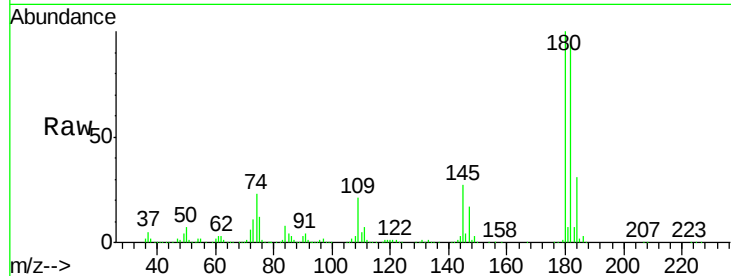




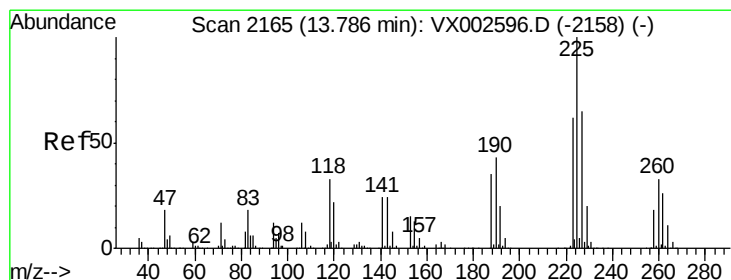
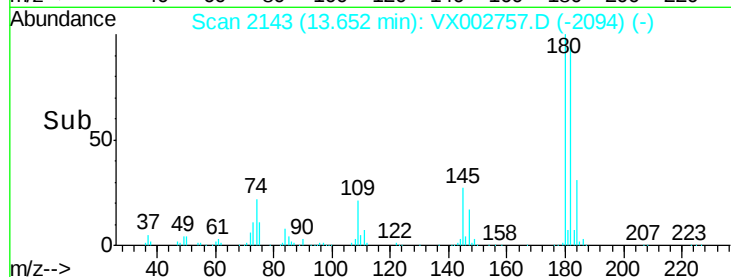
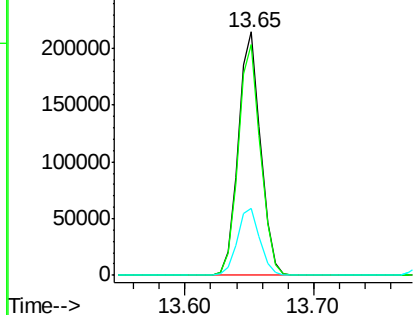
#93
 1,2,4-Trichlorobenzene
 Concen: 50.57 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002757.D
 Acq: 20 Jun 2018 22:33

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:180 Resp: 256700
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.7 143.1
 145 28.1 14.1 42.4

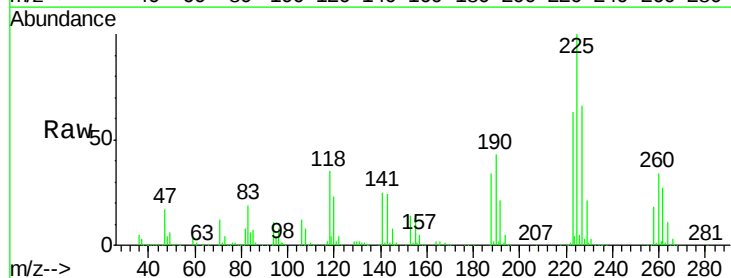


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

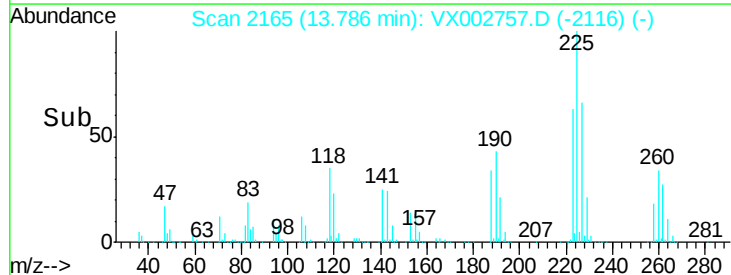
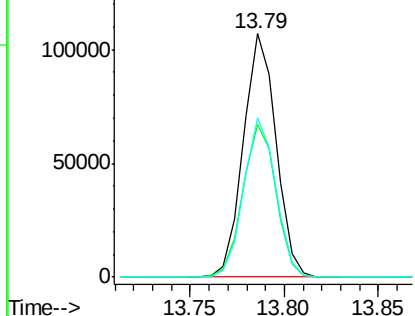


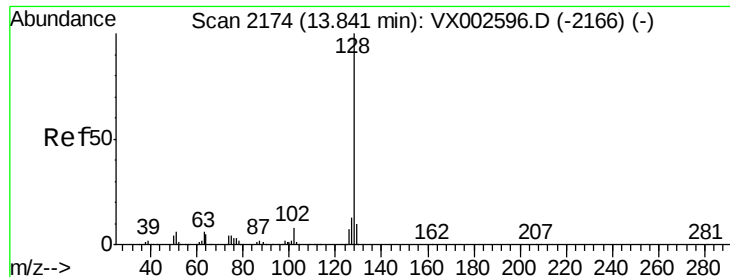
#94
 Hexachlorobutadiene
 Concen: 48.18 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002757.D
 Acq: 20 Jun 2018 22:33

Tgt Ion:225 Resp: 128838
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.6 95.0
 227 64.0 32.4 97.2



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





#95

Naphthalene

Concen: 53.96 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

Instrument :

MSVOA_X

ClientSampleId :

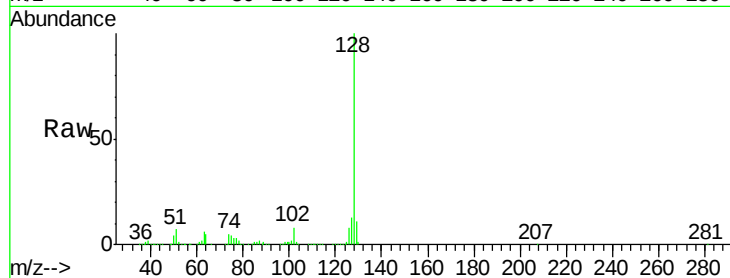
Tot Ion:128 Resp: 737118

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

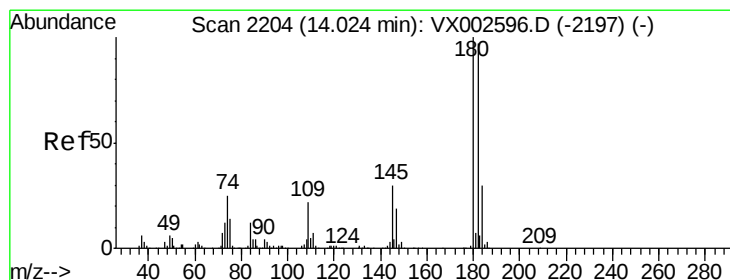
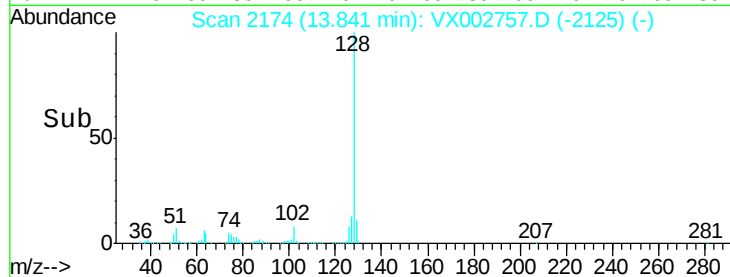
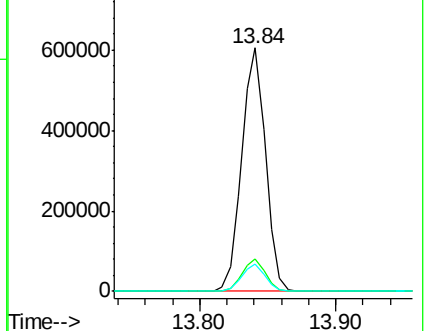
129 10.9 8.6 13.0



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: 51.25 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002757.D

Acq: 20 Jun 2018 22:33

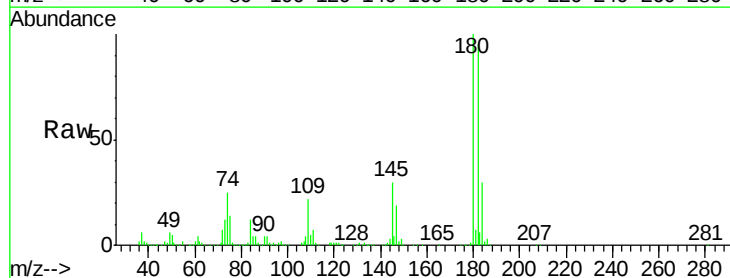
Tgt Ion:180 Resp: 261268

Ion Ratio Lower Upper

180 100

182 96.5 48.0 144.0

145 29.3 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

