

Data Path : Y:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060418\
 Data File : VX002277.D
 Acq On : 04 Jun 2018 23:39
 Operator : JC/MD
 Sample : VX0604WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS02

Quant Time: Jun 05 06:07:57 2018
 Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	261758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	389446	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	373893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	225254	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	191773	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
35) Dibromofluoromethane	5.51	113	142954	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	
50) Toluene-d8	8.72	98	559648	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
62) 4-Bromofluorobenzene	11.14	95	204973	45.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	58252	21.41	ug/l	99
3) Chloromethane	1.32	50	71335	21.23	ug/l	97
4) Vinyl Chloride	1.41	62	73737	21.50	ug/l	98
5) Bromomethane	1.64	94	48478	23.19	ug/l	97
6) Chloroethane	1.73	64	46270	20.86	ug/l	99
7) Trichlorofluoromethane	1.93	101	118375	22.66	ug/l	97
8) Diethyl Ether	2.19	74	42676	21.62	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	64108	22.74	ug/l	99
10) Methyl Iodide	2.51	142	75264	18.98	ug/l	98
11) Tert butyl alcohol	3.07	59	94262	111.94	ug/l	99
12) 1,1-Dichloroethene	2.38	96	58989	21.17	ug/l	96
13) Acrolein	2.30	56	43610	111.95	ug/l	99
14) Allyl chloride	2.73	41	119106	19.70	ug/l	99
15) Acrylonitrile	3.15	53	186836	111.93	ug/l	99
16) Acetone	2.45	43	174387	96.56	ug/l	99
17) Carbon Disulfide	2.57	76	137350	18.70	ug/l	100
18) Methyl Acetate	2.78	43	89155	22.28	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	225039	21.84	ug/l	100
20) Methylene Chloride	2.86	84	69326	21.87	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	63819	20.77	ug/l	98
22) Diisopropyl ether	3.88	45	212985	20.20	ug/l	98
23) Vinyl Acetate	3.83	43	910771	92.90	ug/l	100
24) 1,1-Dichloroethane	3.70	63	110624	18.51	ug/l	99
25) 2-Butanone	4.71	43	248880	96.97	ug/l	100
26) 2,2-Dichloropropane	4.59	77	76014	16.27	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	66066	19.77	ug/l	99
28) Bromochloromethane	5.03	49	58048	20.75	ug/l	100
29) Tetrahydrofuran	5.17	42	162119	97.97	ug/l	99
30) Chloroform	5.22	83	115149	19.97	ug/l	98
31) Cyclohexane	5.58	56	99483	21.05	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	98740	20.19	ug/l	99
36) 1,1-Dichloropropene	5.80	75	80415	19.64	ug/l	99
37) Ethyl Acetate	4.87	43	98076	19.92	ug/l	100
38) Carbon Tetrachloride	5.79	117	83357	19.46	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	97588	19.45	ug/l	95
40) Benzene	6.15	78	250789	19.98	ug/l	100
41) Methacrylonitrile	5.06	41	54487	19.33	ug/l	98
42) 1,2-Dichloroethane	6.20	62	99630	19.98	ug/l	100
43) Isopropyl Acetate	6.47	43	160850	19.23	ug/l	100
44) Trichloroethene	7.22	130	70900	20.35	ug/l	94
45) 1,2-Dichloropropane	7.52	63	66774	19.70	ug/l	99
46) Dibromomethane	7.67	93	45041	19.61	ug/l	99
47) Bromodichloromethane	7.90	83	79264	19.08	ug/l	99
48) Methyl methacrylate	7.78	41	81721	19.45	ug/l	99
49) 1,4-Dioxane	7.76	88	32113	408.85	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	517509	99.37	ug/l	100
52) Toluene	8.79	92	161892	20.28	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	92976	18.66	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	83857	17.84	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	65045	19.81	ug/l	99
56) Ethyl methacrylate	9.18	69	100403	19.15	ug/l	100
57) 1,3-Dichloropropane	9.38	76	110406	20.04	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	243559	100.37	ug/l	99
59) 2-Hexanone	9.50	43	395383	98.29	ug/l	99
60) Dibromochloromethane	9.59	129	60873	18.43	ug/l	97
61) 1,2-Dibromoethane	9.68	107	68466	20.00	ug/l	99
64) Tetrachloroethene	9.34	164	80181	20.79	ug/l	98
65) Chlorobenzene	10.14	112	184918	19.88	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	64211	19.06	ug/l	99
67) Ethyl Benzene	10.26	91	316970	20.36	ug/l	99
68) m/p-Xylenes	10.37	106	244263	40.36	ug/l	99
69) o-Xylene	10.70	106	121208	20.12	ug/l	98
70) Styrene	10.72	104	194823	19.79	ug/l	98
71) Bromoform	10.86	173	45072	17.36	ug/l #	99
73) Isopropylbenzene	11.02	105	323551	20.65	ug/l	99
74) N-amyl acetate	6.47	43	160850	19.05	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	94603	19.20	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	106604	21.57	ug/l	80
77) Bromobenzene	11.26	156	87823	19.96	ug/l	98
78) n-propylbenzene	11.37	91	363891	20.89	ug/l	100
79) 2-Chlorotoluene	11.43	91	220085	20.01	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	273027	20.31	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	22034	15.63	ug/l	90
82) 4-Chlorotoluene	11.51	91	255696	20.14	ug/l	99
83) tert-Butylbenzene	11.77	119	267188	20.41	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	279269	20.19	ug/l	99
85) sec-Butylbenzene	11.95	105	325645	21.22	ug/l	99
86) p-Isopropyltoluene	12.07	119	287170	20.55	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	156012	19.83	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	156913	19.35	ug/l	100
89) n-Butylbenzene	12.39	91	237869	20.29	ug/l	100
90) Hexachloroethane	12.60	117	39774	17.83	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	161216	19.81	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20479	19.00	ug/l	96

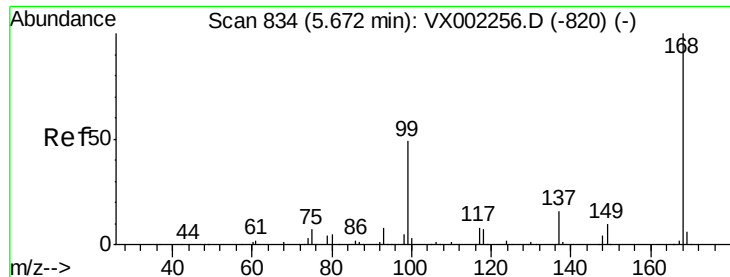
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QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	112575	19.73	ug/l	99
94) Hexachlorobutadiene	13.79	225	57818	20.50	ug/l	99
95) Naphthalene	13.84	128	331028	20.19	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	116703	20.05	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

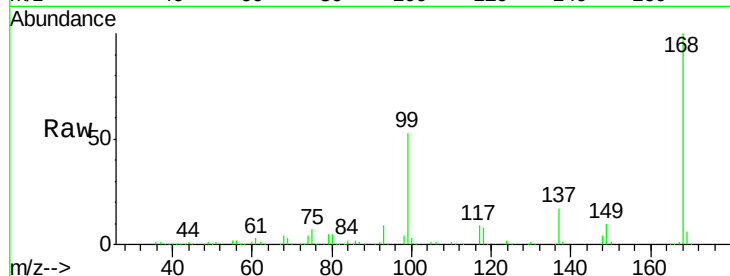
VX0604WBS02

Tot Ion:168 Resp: 261758

Ion Ratio Lower Upper

168 100

99 52.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

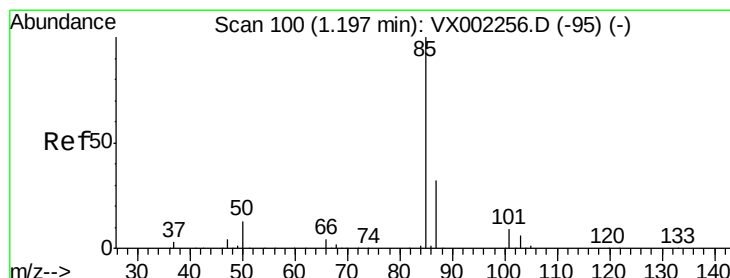
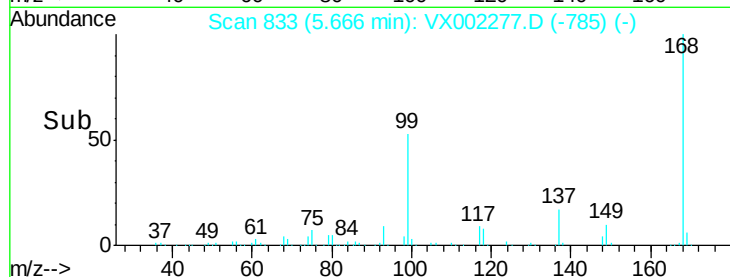
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 21.41 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002277.D

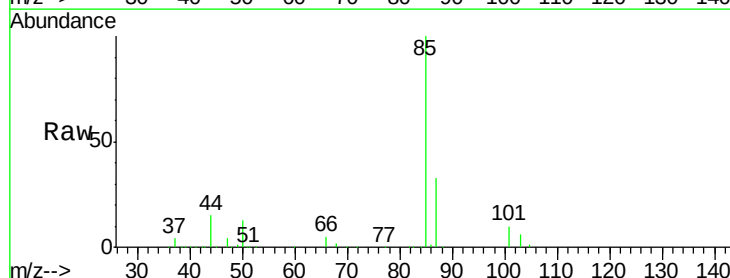
Acq: 04 Jun 2018 23:39

Tgt Ion: 85 Resp: 58252

Ion Ratio Lower Upper

85 100

87 32.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

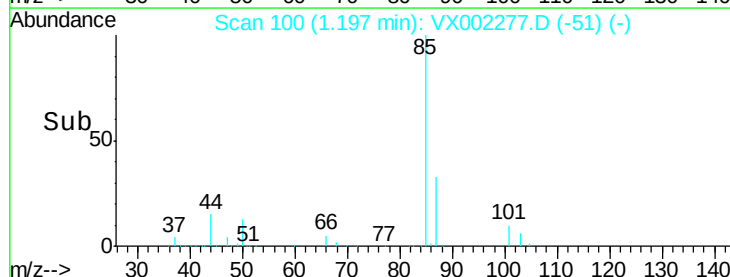
60000

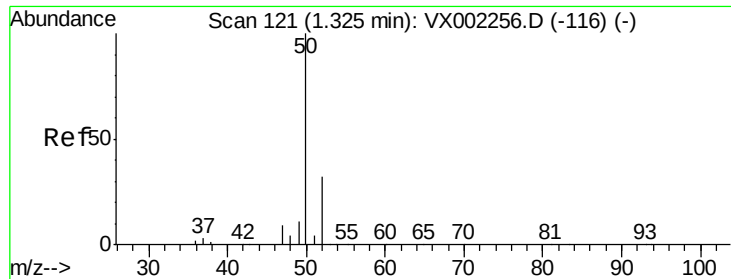
40000

20000

0

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 21.23 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

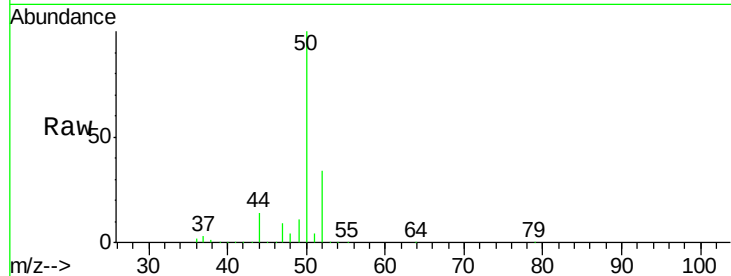
VX0604WBS02

Tot Ion: 50 Resp: 71335

Ion Ratio Lower Upper

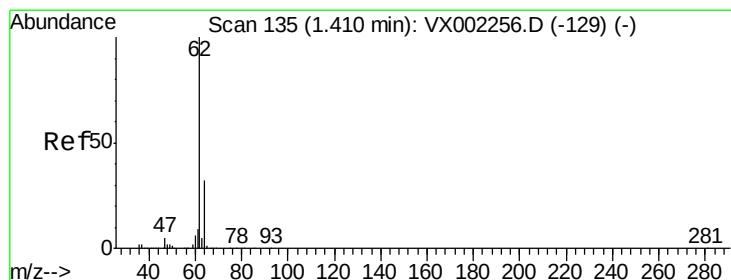
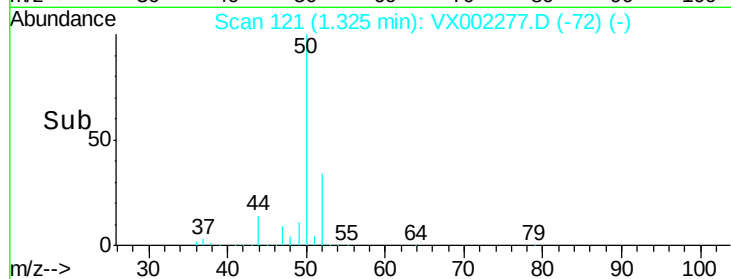
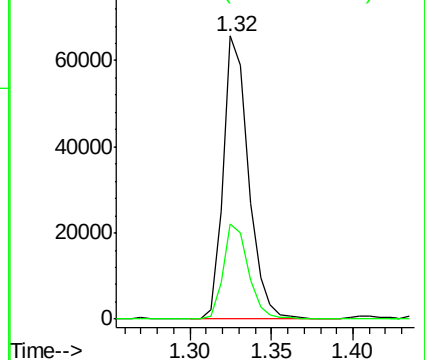
50 100

52 33.8 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.50 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX002277.D

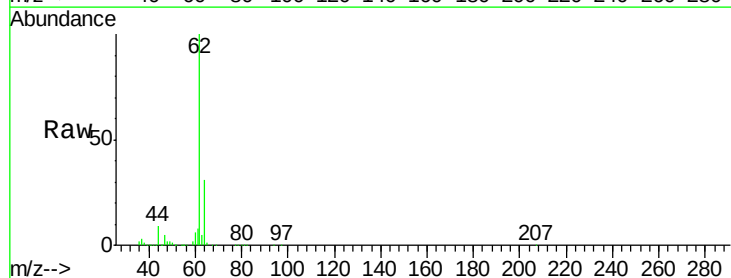
Acq: 04 Jun 2018 23:39

Tgt Ion: 62 Resp: 73737

Ion Ratio Lower Upper

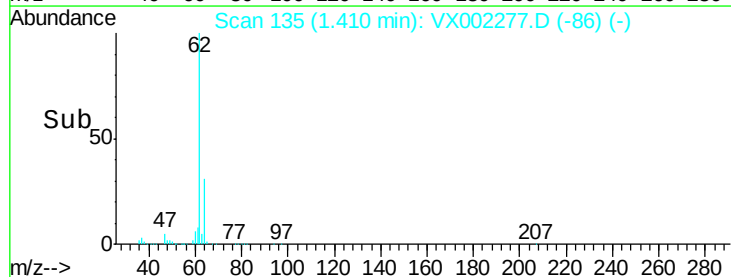
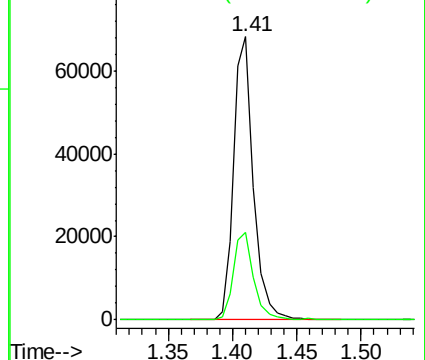
62 100

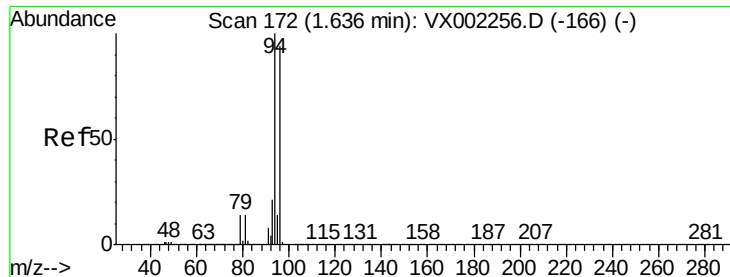
64 30.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 23.19 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

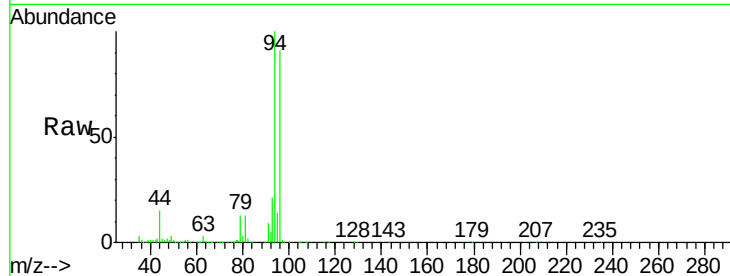
VX0604WBS02

Tot Ion: 94 Resp: 48478

Ion Ratio Lower Upper

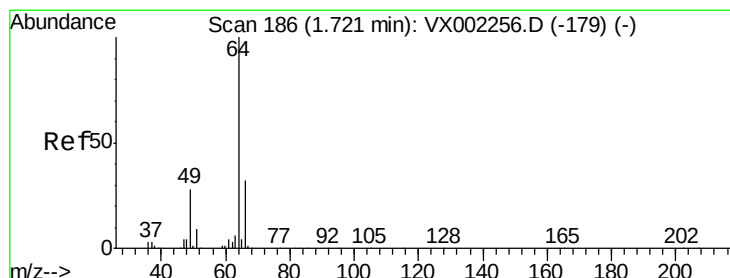
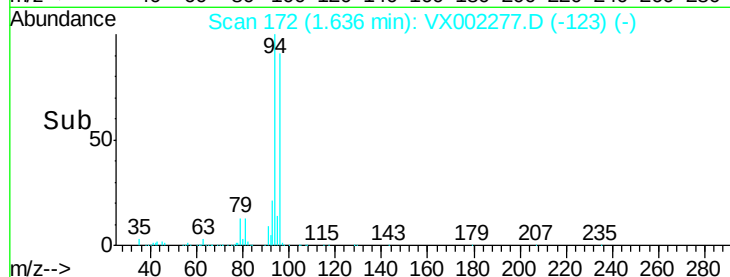
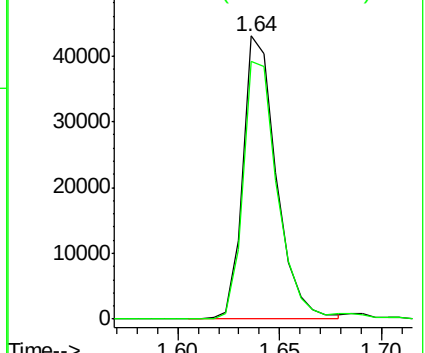
94 100

96 91.0 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.86 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002277.D

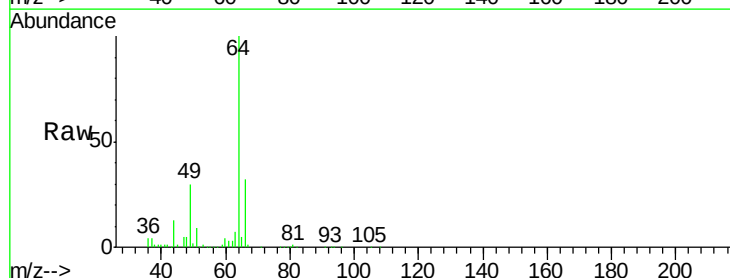
Acq: 04 Jun 2018 23:39

Tgt Ion: 64 Resp: 46270

Ion Ratio Lower Upper

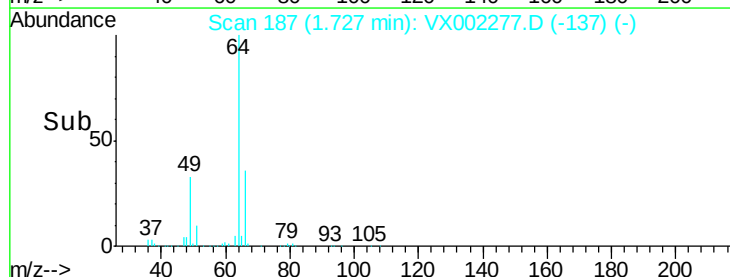
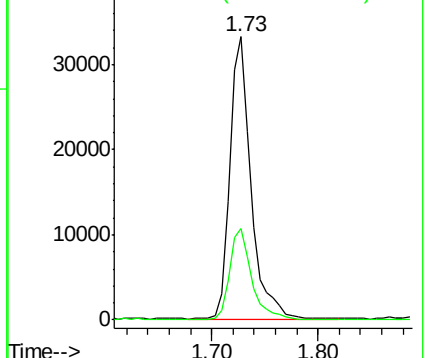
64 100

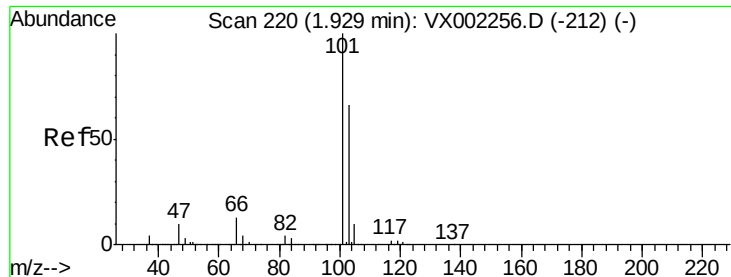
66 32.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



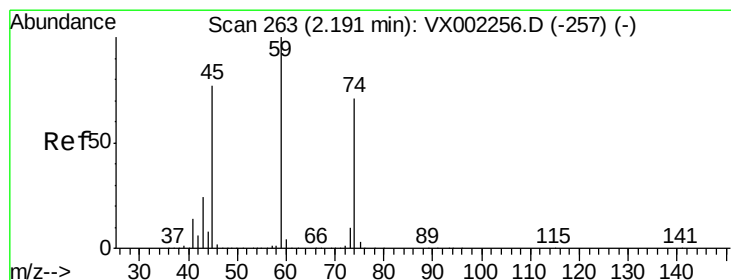
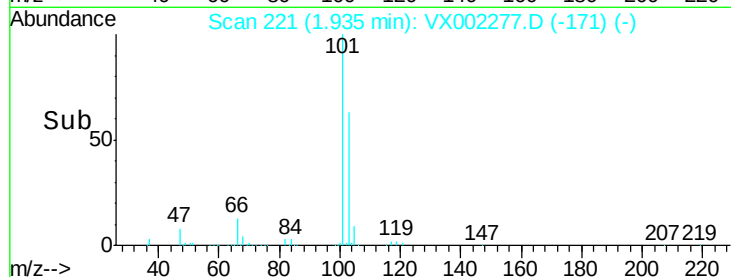
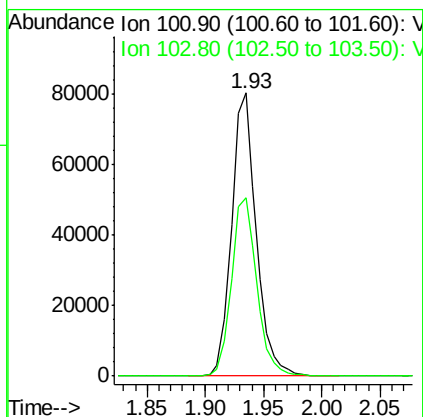
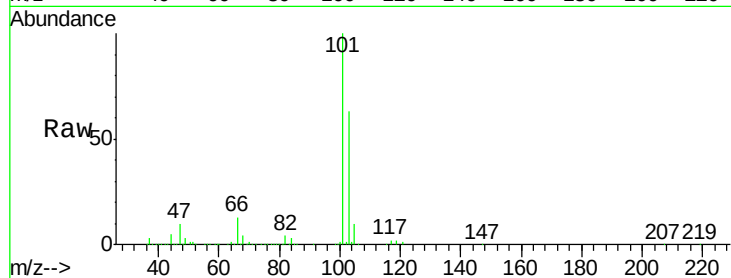


#7

Trichlorofluoromethane
 Concen: 22.66 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS02

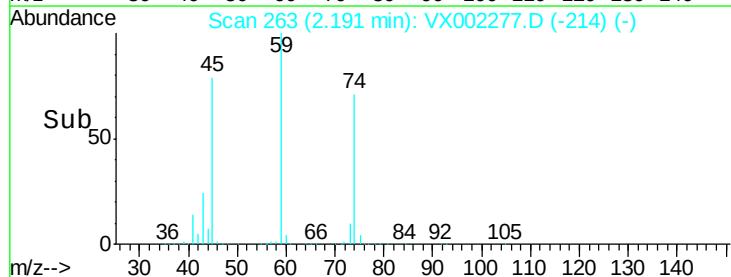
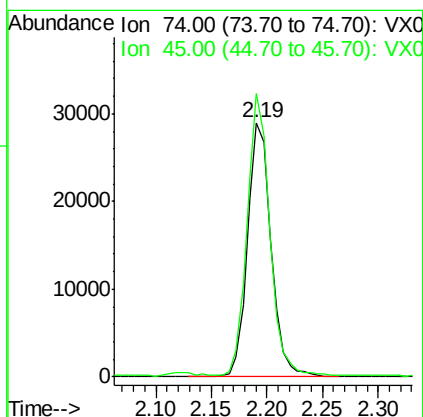
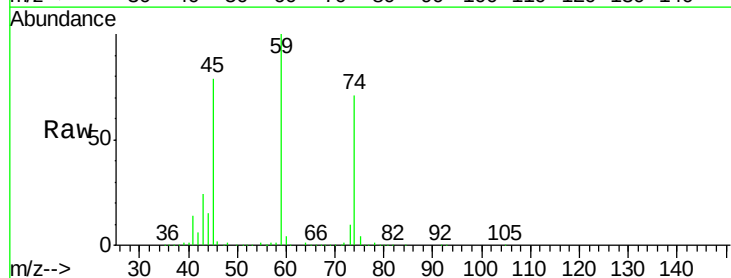
Tot Ion:101 Resp: 118375
 Ion Ratio Lower Upper
 101 100
 103 63.2 52.8 79.2

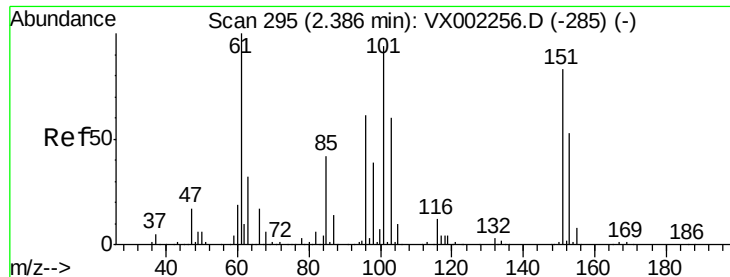


#8

Diethyl Ether
 Concen: 21.62 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Tgt Ion: 74 Resp: 42676
 Ion Ratio Lower Upper
 74 100
 45 106.2 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.74 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

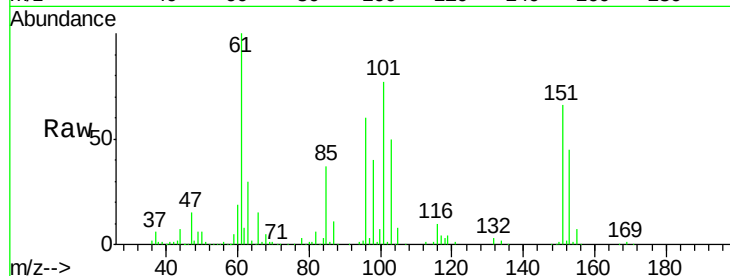
Tot Ion:101 Resp: 64108

Ion Ratio Lower Upper

101 100

85 46.2 36.0 54.0

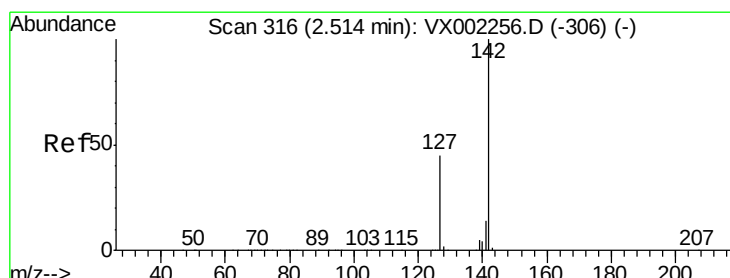
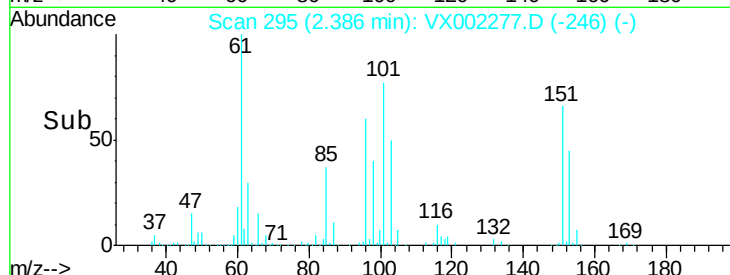
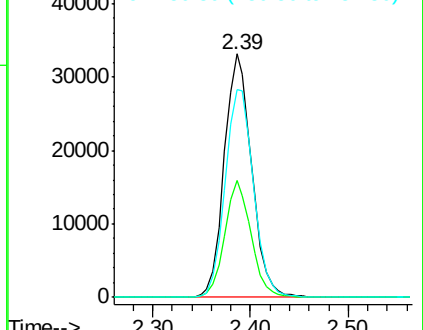
151 88.9 70.9 106.3



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: 18.98 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

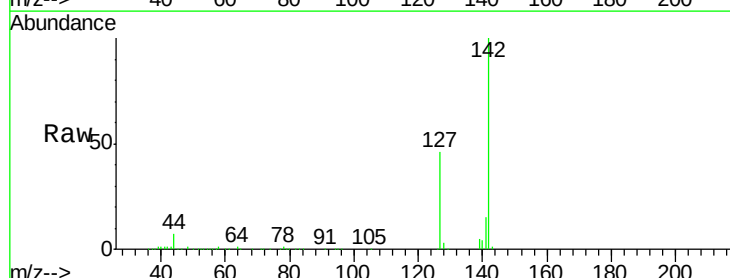
Tgt Ion:142 Resp: 75264

Ion Ratio Lower Upper

142 100

127 46.7 36.6 55.0

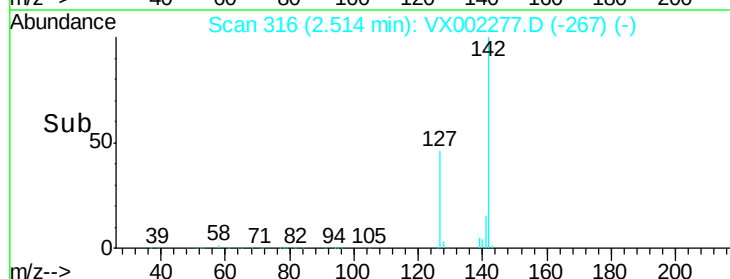
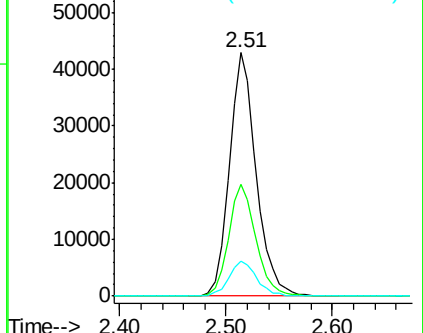
141 15.0 11.3 16.9

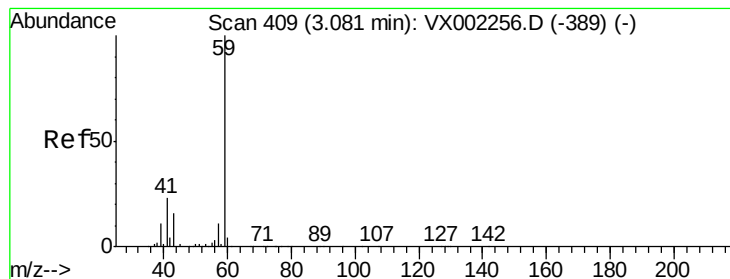


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



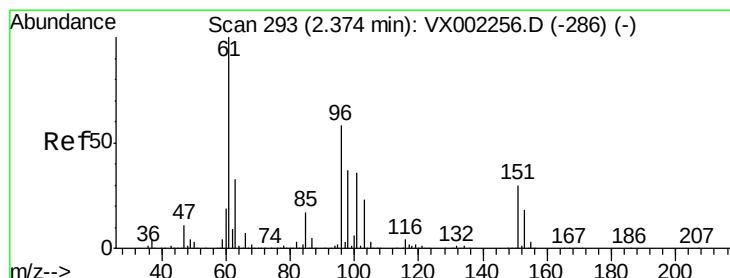
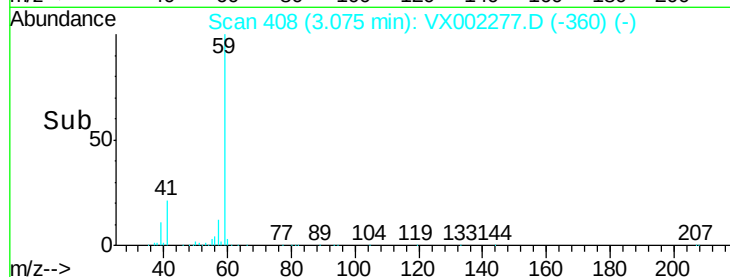
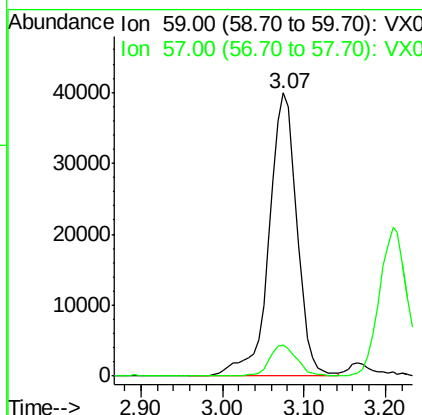
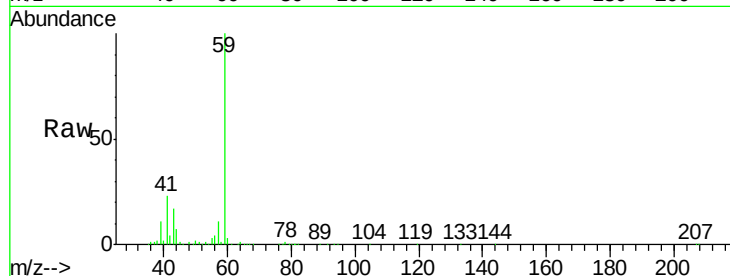


#11

Tert butyl alcohol
 Concen: 111.94 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS02

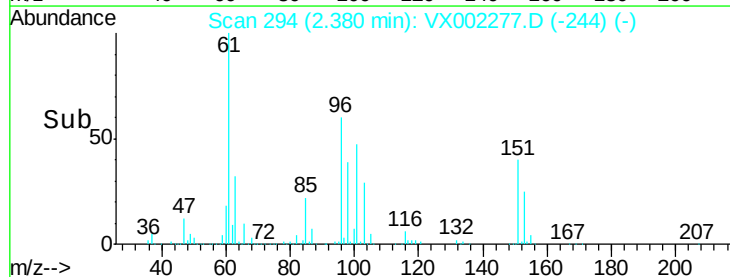
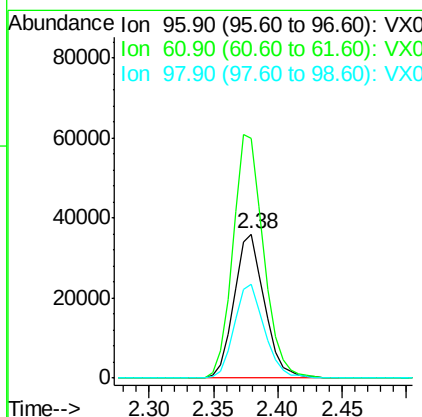
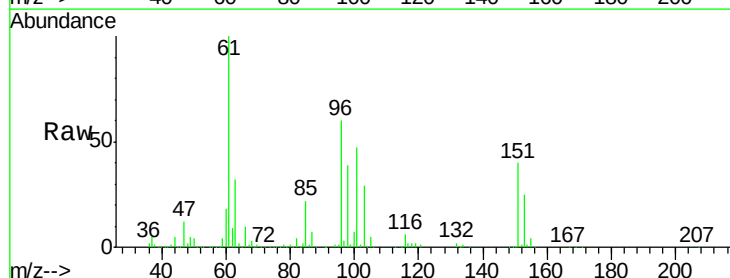
Tot Ion: 59 Resp: 94262
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.2 12.2

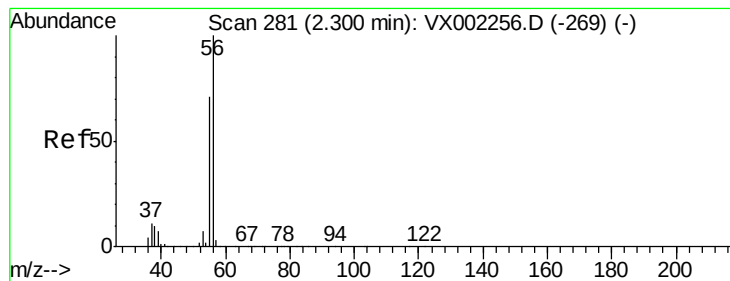


#12

1,1-Dichloroethene
 Concen: 21.17 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Tgt Ion: 96 Resp: 58989
 Ion Ratio Lower Upper
 96 100
 61 165.9 137.9 206.9
 98 65.0 51.6 77.4





#13

Acrolein

Concen: 111.95 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

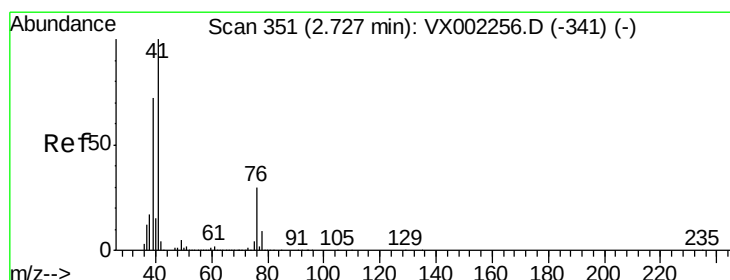
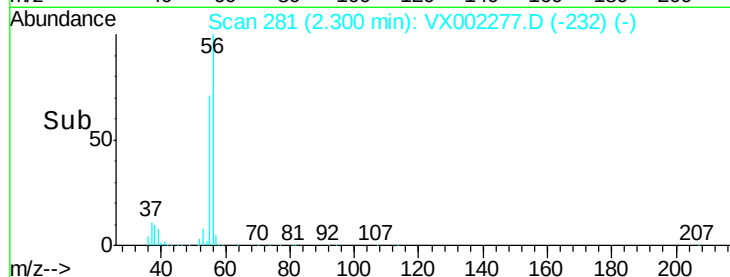
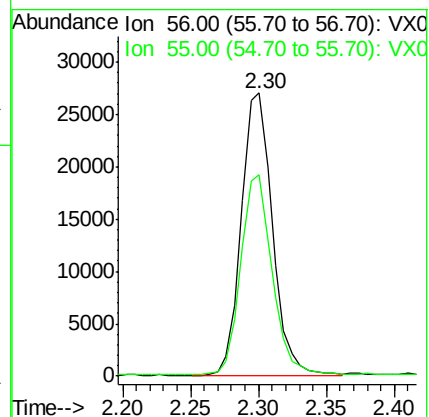
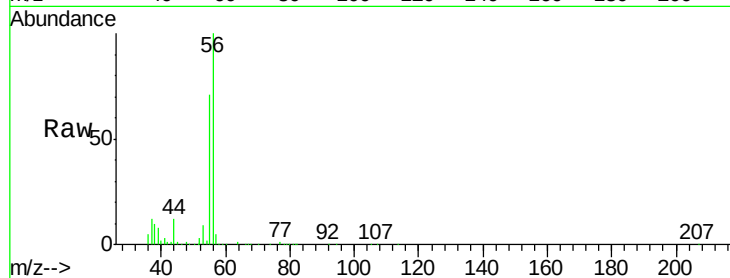
VX0604WBS02

Tot Ion: 56 Resp: 43610

Ion Ratio Lower Upper

56 100

55 70.4 57.0 85.4



#14

Allyl chloride

Concen: 19.70 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

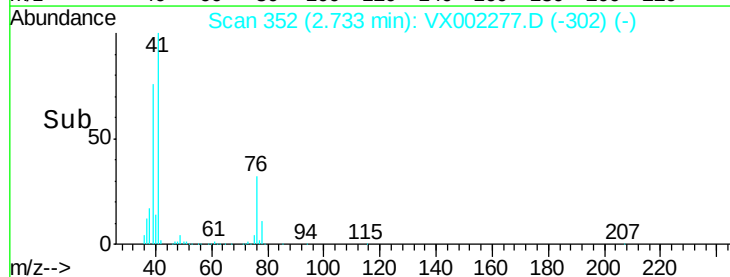
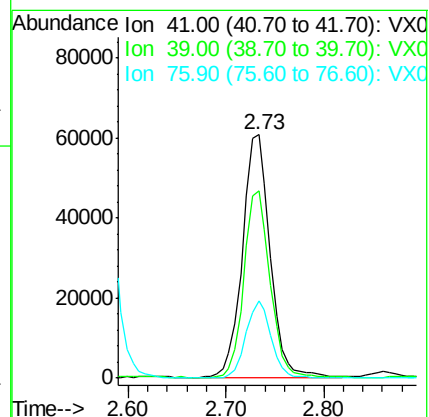
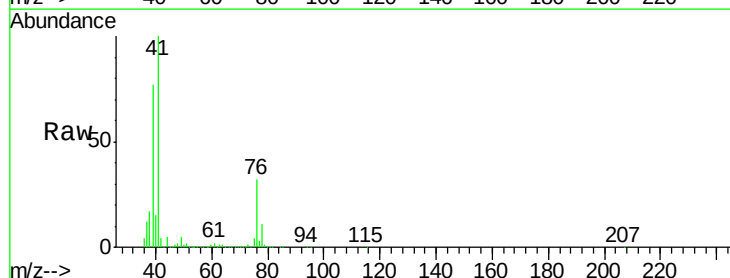
Tgt Ion: 41 Resp: 119106

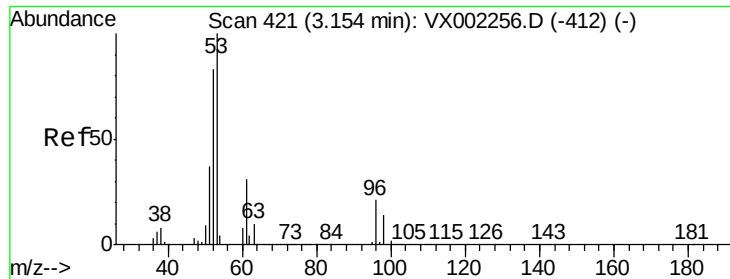
Ion Ratio Lower Upper

41 100

39 72.2 56.8 85.2

76 29.0 23.8 35.8





#15

Acrylonitrile

Concen: 111.93 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

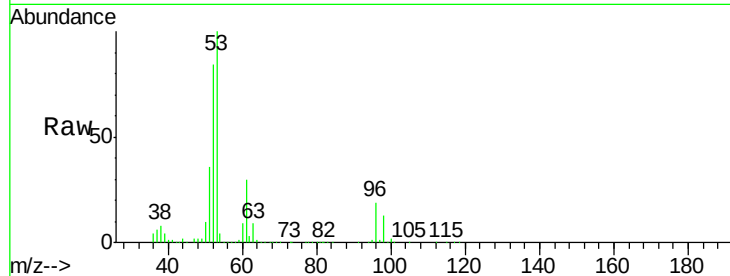
Tot Ion: 53 Resp: 186836

Ion Ratio Lower Upper

53 100

52 82.7 66.7 100.1

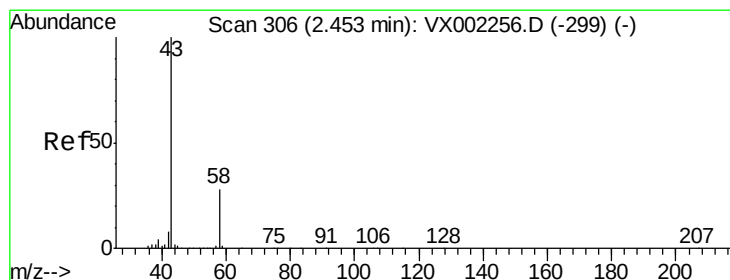
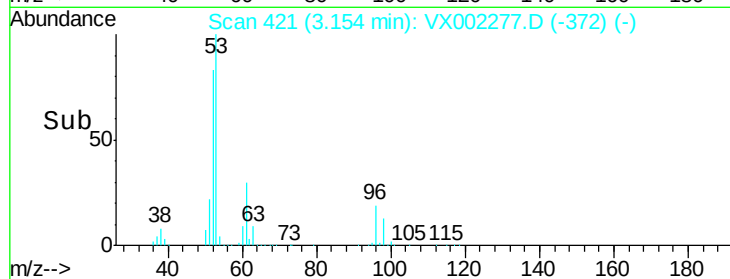
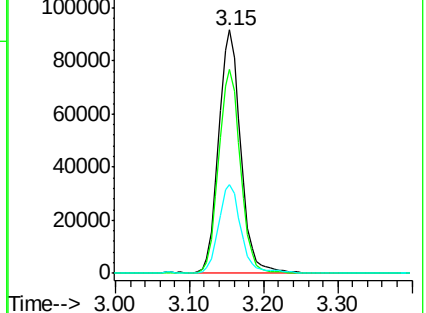
51 36.7 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 96.56 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002277.D

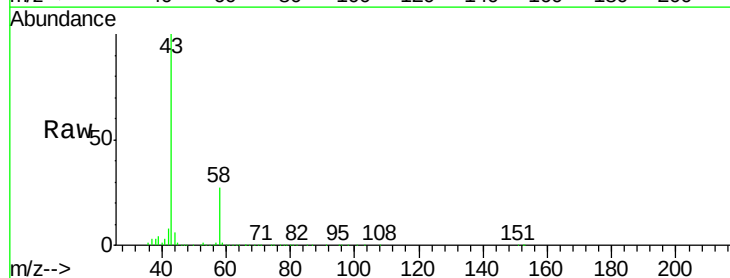
Acq: 04 Jun 2018 23:39

Tgt Ion: 43 Resp: 174387

Ion Ratio Lower Upper

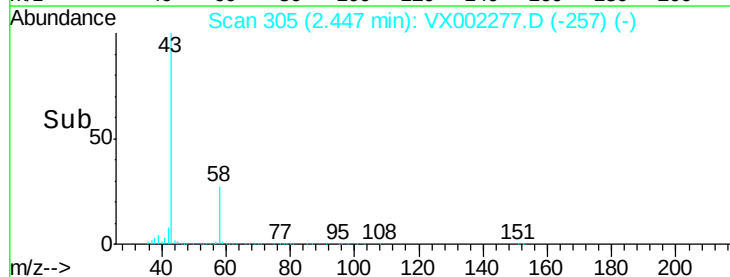
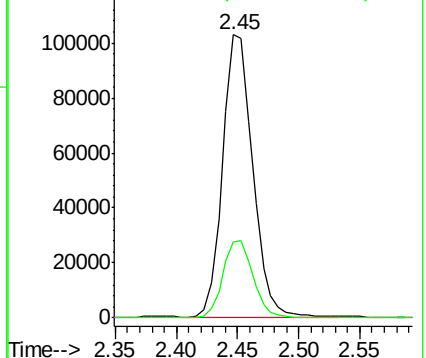
43 100

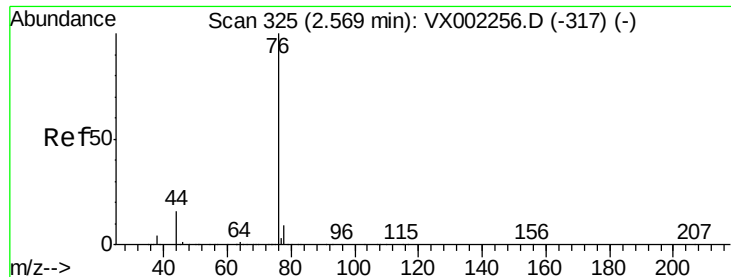
58 27.1 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 18.70 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

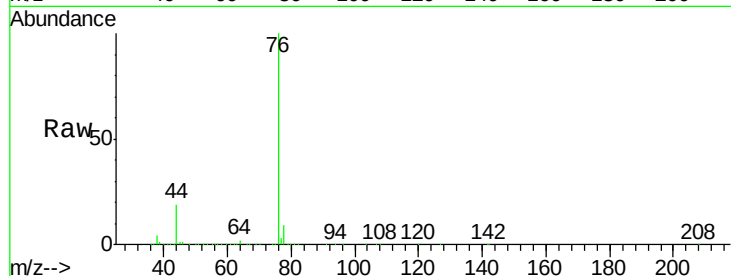
VX0604WBS02

Tot Ion: 76 Resp: 137350

Ion Ratio Lower Upper

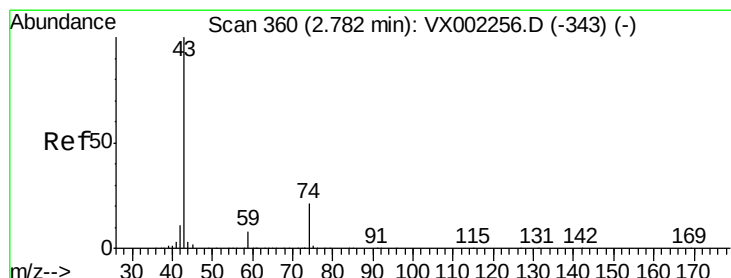
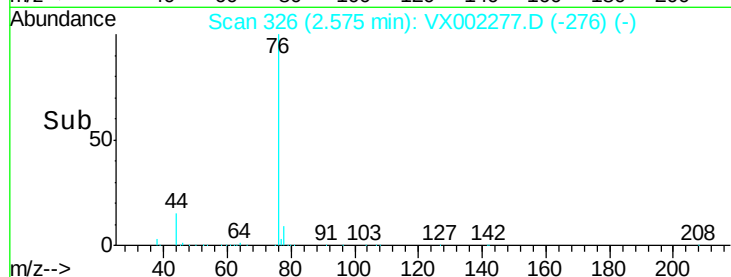
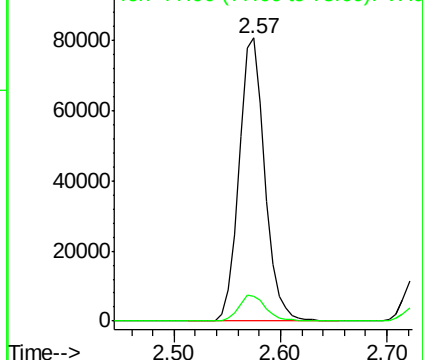
76 100

78 8.7 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: 22.28 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002277.D

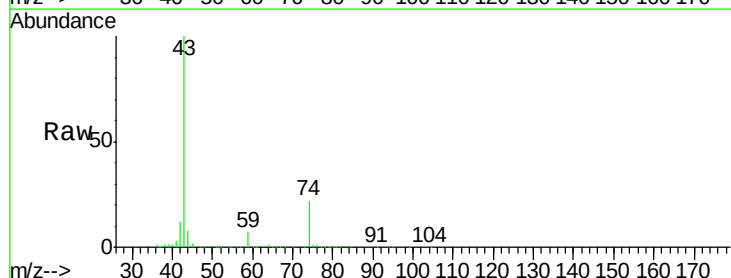
Acq: 04 Jun 2018 23:39

Tgt Ion: 43 Resp: 89155

Ion Ratio Lower Upper

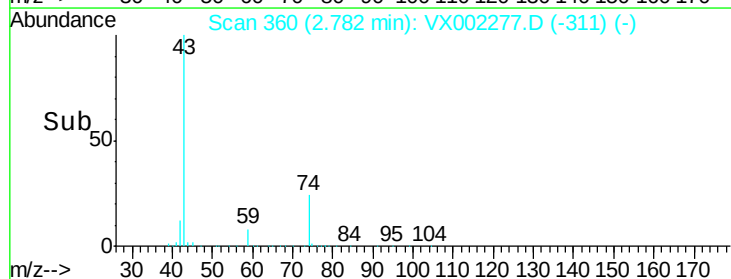
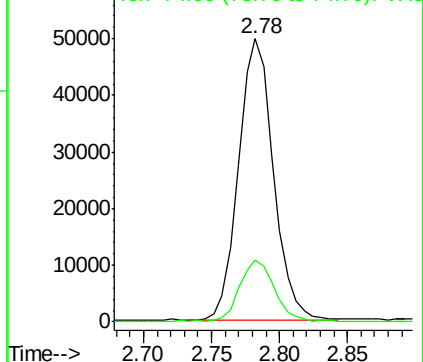
43 100

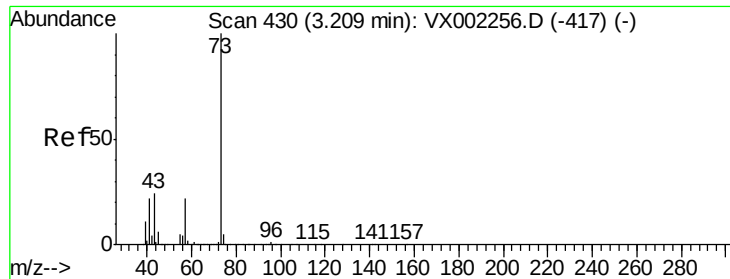
74 22.3 16.7 25.1



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: 21.84 ug/l

RT: 3.21 min Scan# 430

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampled :

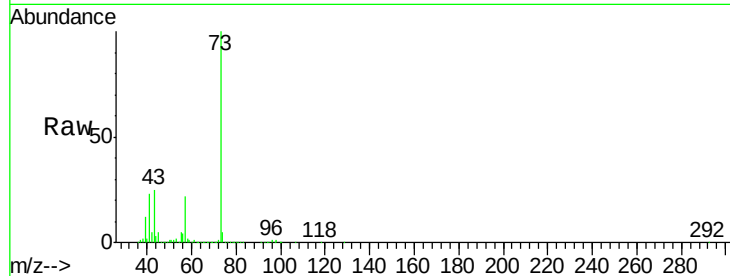
VX0604WBS02

Tot Ion: 73 Resp: 225039

Ion Ratio Lower Upper

73 100

57 22.0 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.21

100000

80000

60000

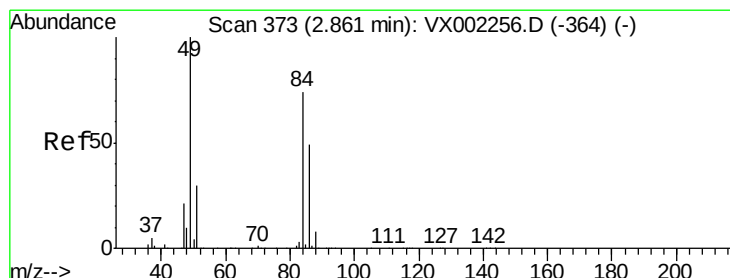
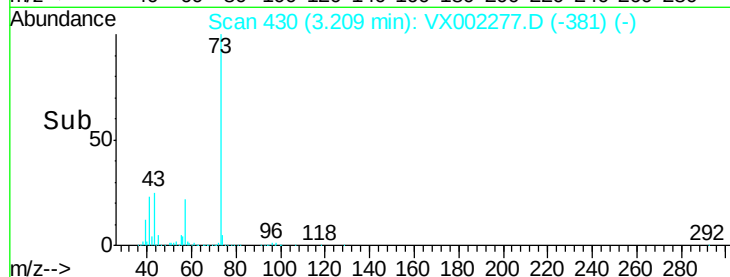
40000

20000

0

Time-->

3.10 3.20 3.30 3.40



#20

Methylene Chloride

Concen: 21.87 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Tgt Ion: 84 Resp: 69326

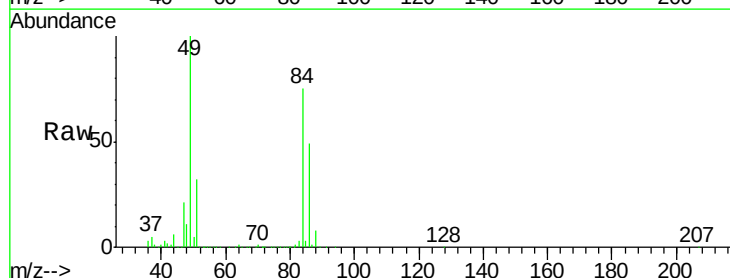
Ion Ratio Lower Upper

84 100

49 133.4 107.8 161.6

51 41.9 32.8 49.2

86 64.9 52.5 78.7



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

60000

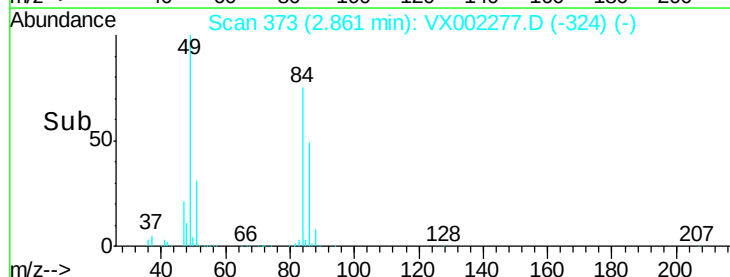
40000

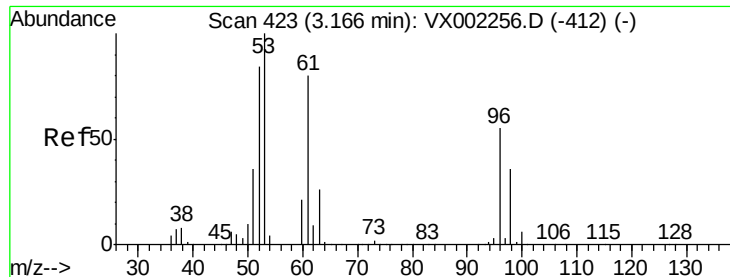
20000

0

Time-->

2.80 2.90 3.00





#21

trans-1,2-Dichloroethene

Concen: 20.77 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

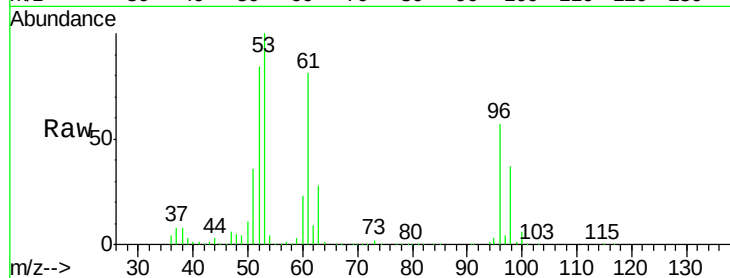
Tot Ion: 96 Resp: 63819

Ion Ratio Lower Upper

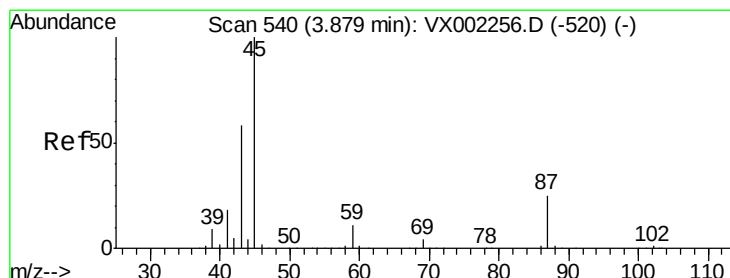
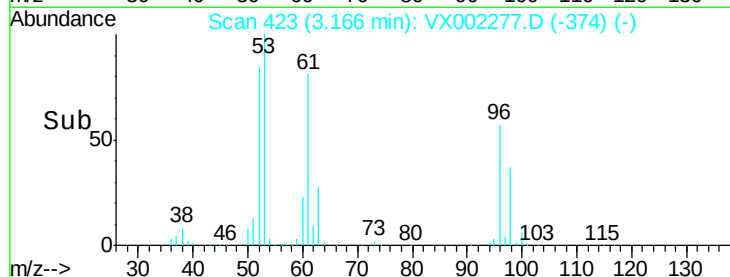
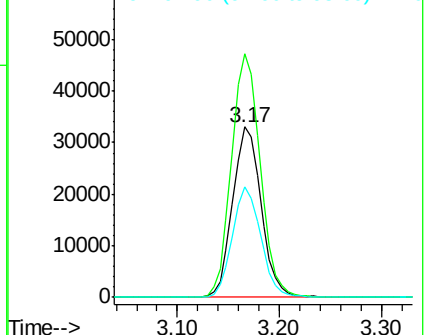
96 100

61 142.7 117.0 175.4

98 64.6 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: 20.20 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Tgt Ion: 45 Resp: 212985

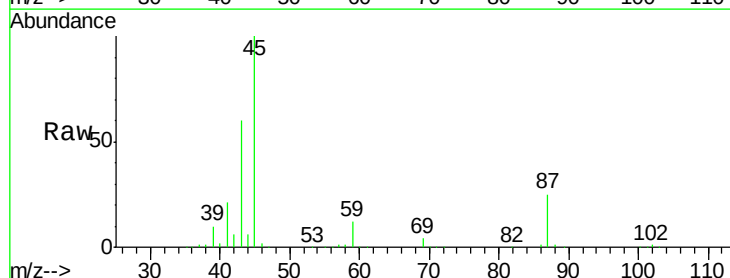
Ion Ratio Lower Upper

45 100

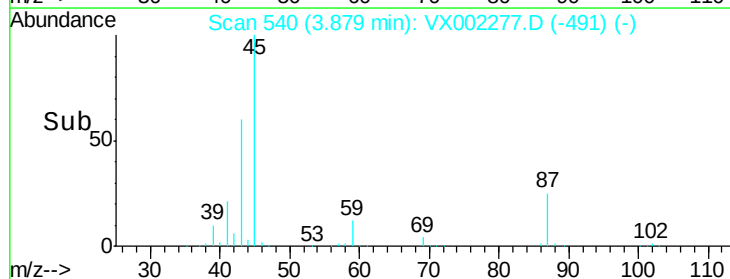
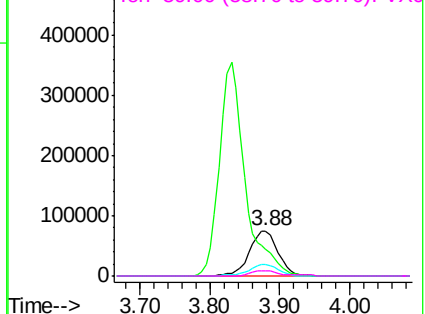
43 59.9 46.8 70.2

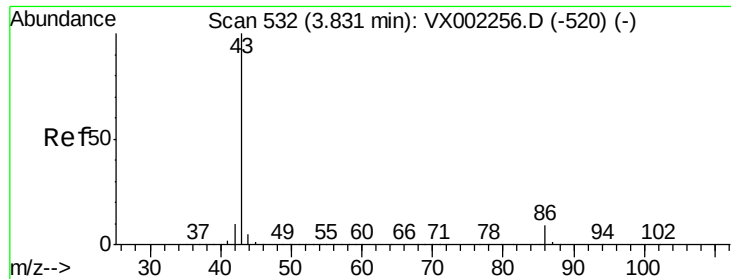
87 24.9 20.2 30.4

59 11.9 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: 92.90 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

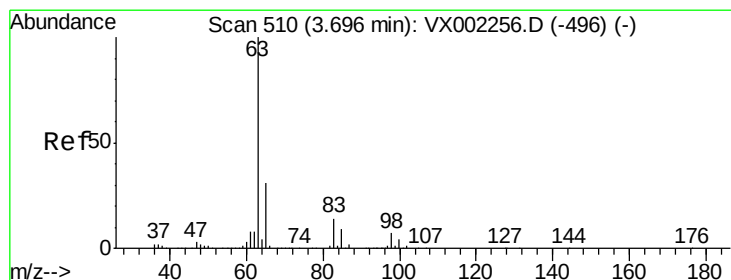
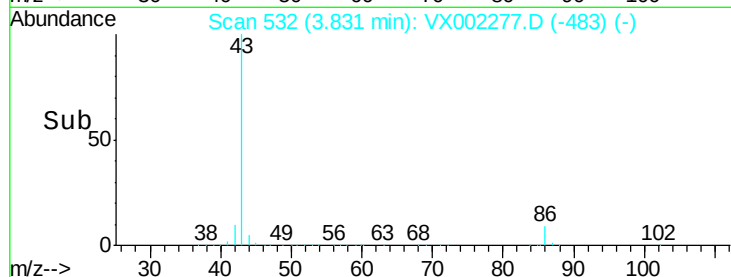
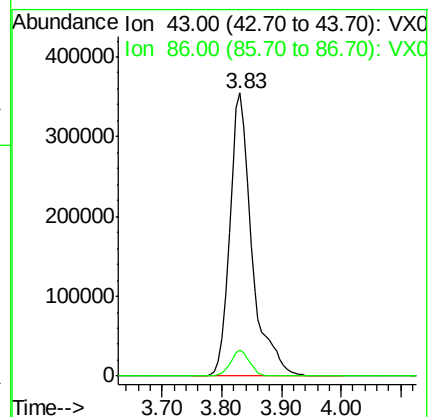
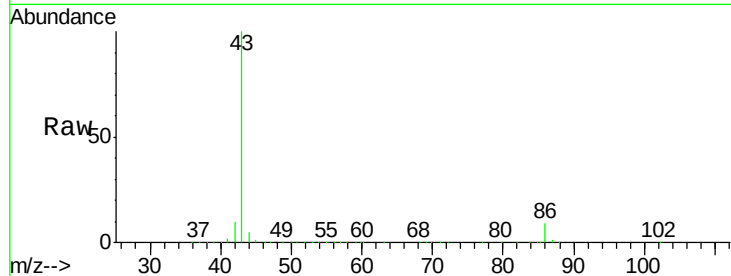
VX0604WBS02

Tot Ion: 43 Resp: 910771

Ion Ratio Lower Upper

43 100

86 9.3 7.4 11.0



#24

1,1-Dichloroethane

Concen: 18.51 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

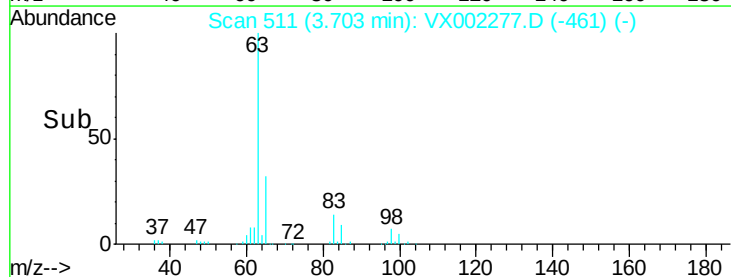
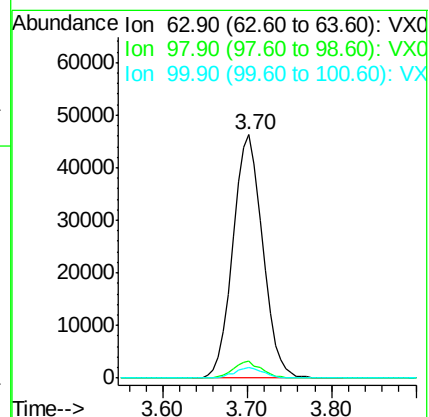
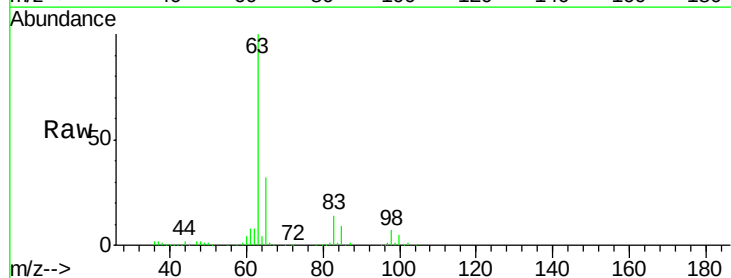
Tgt Ion: 63 Resp: 110624

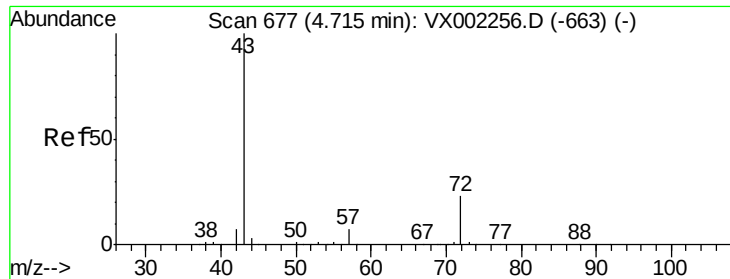
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.6 2.0 6.0





#25

2-Butanone

Concen: 96.97 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampled :

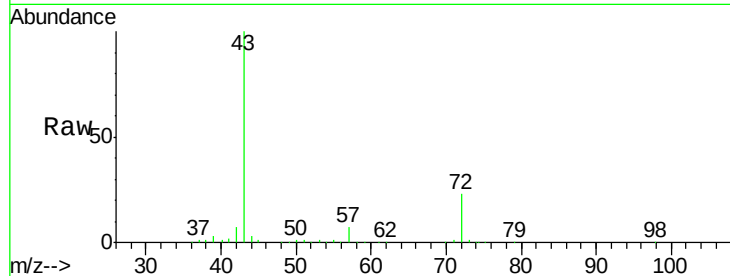
VX0604WBS02

Tot Ion: 43 Resp: 248880

Ion Ratio Lower Upper

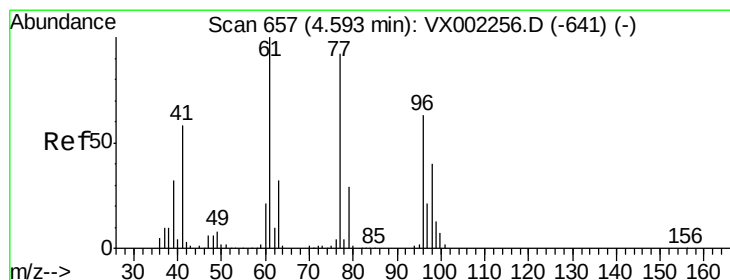
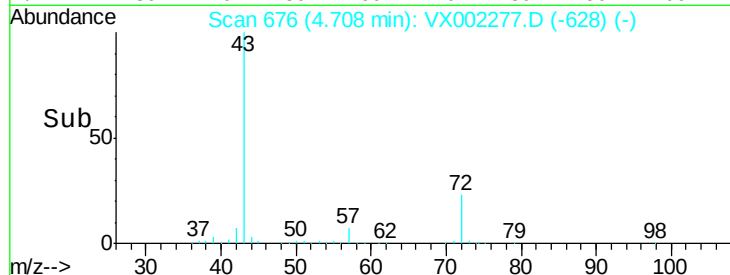
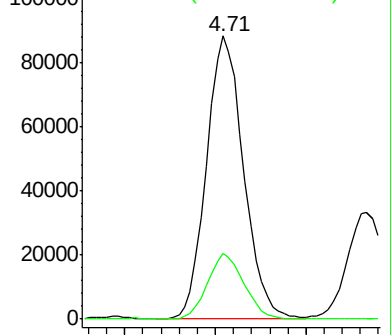
43 100

72 23.0 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 16.27 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX002277.D

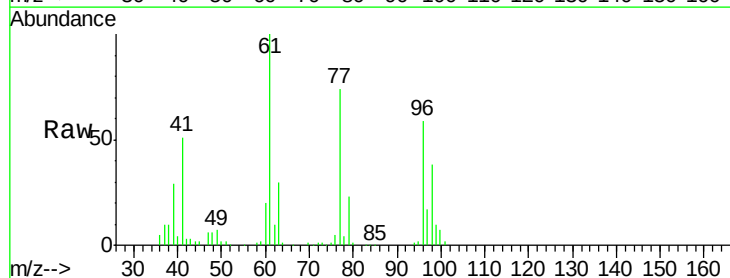
Acq: 04 Jun 2018 23:39

Tgt Ion: 77 Resp: 76014

Ion Ratio Lower Upper

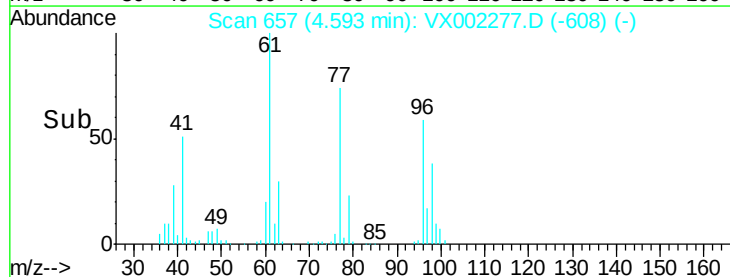
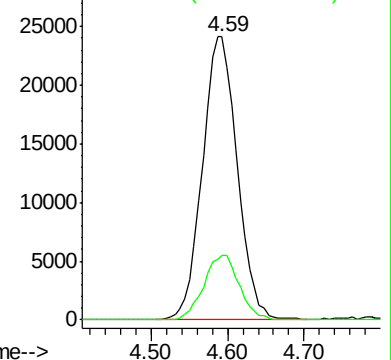
77 100

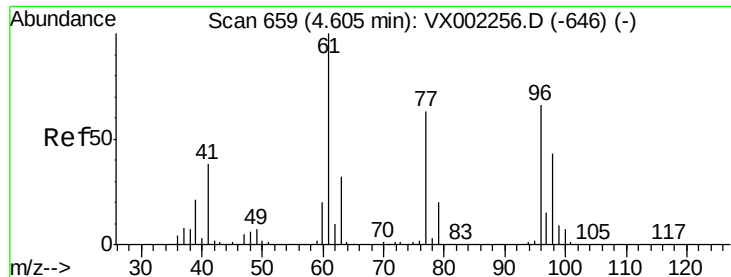
97 23.3 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 19.77 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

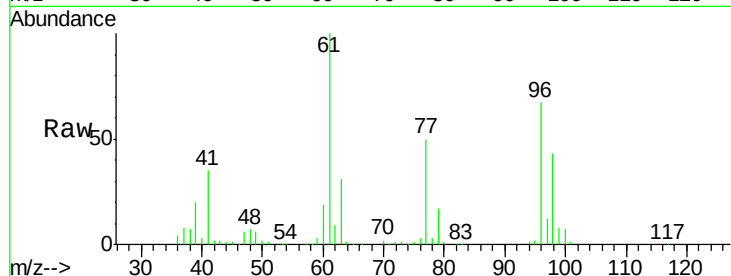
Tot Ion: 96 Resp: 66066

Ion Ratio Lower Upper

96 100

61 164.4 0.0 330.2

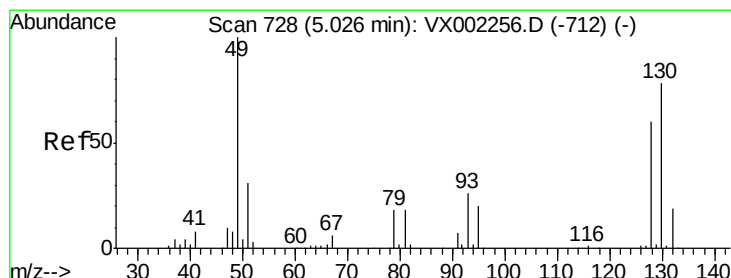
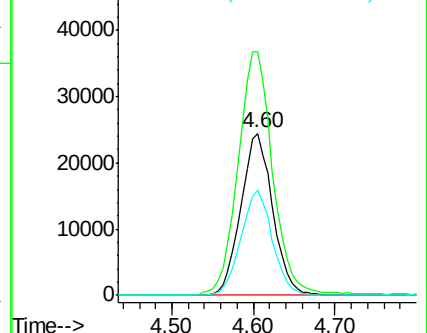
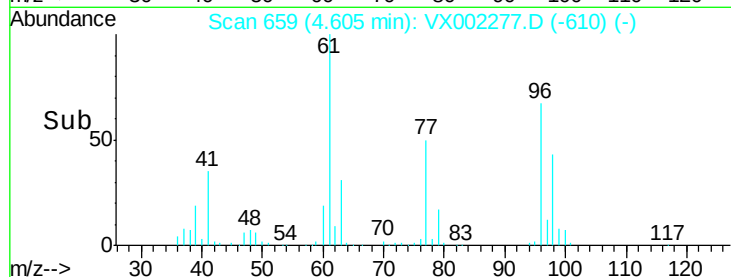
98 64.4 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 20.75 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

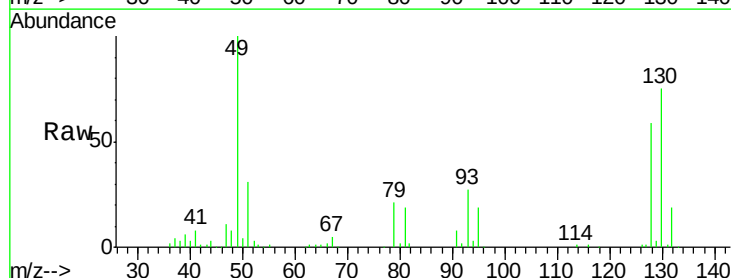
Tgt Ion: 49 Resp: 58048

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.2

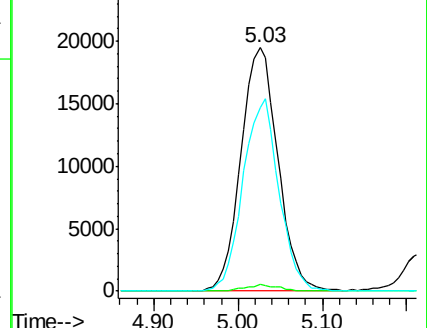
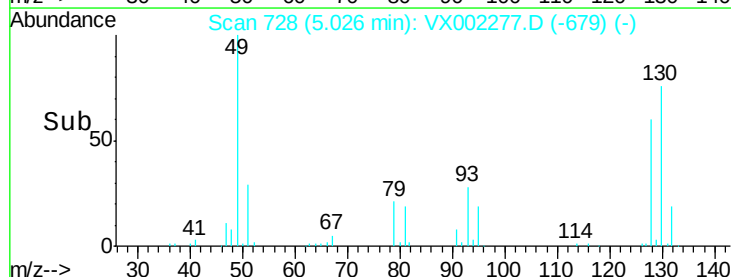
130 76.5 61.2 91.8

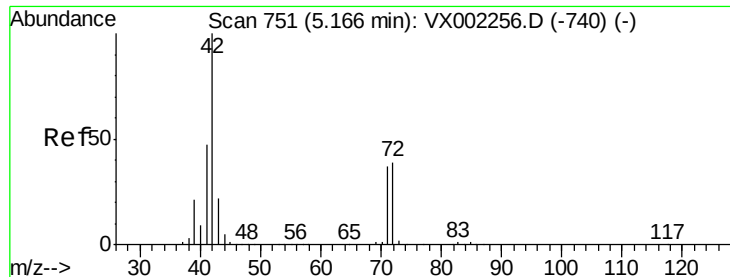


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

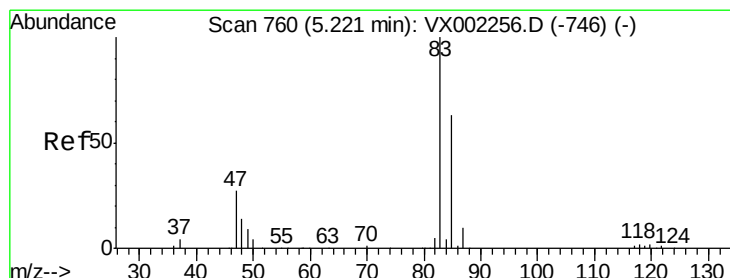
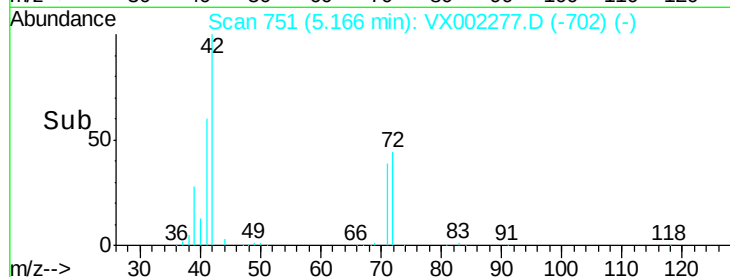
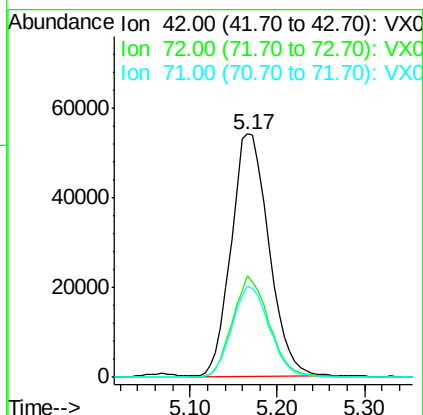
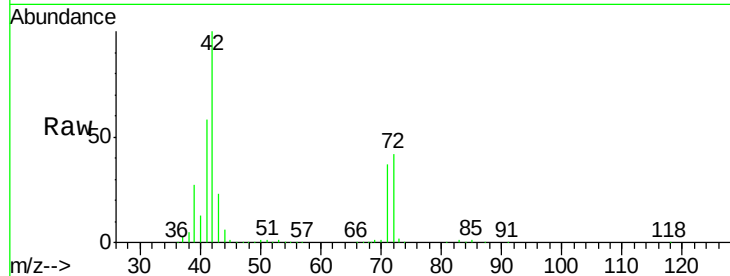




#29
Tetrahydrofuran
Concen: 97.97 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

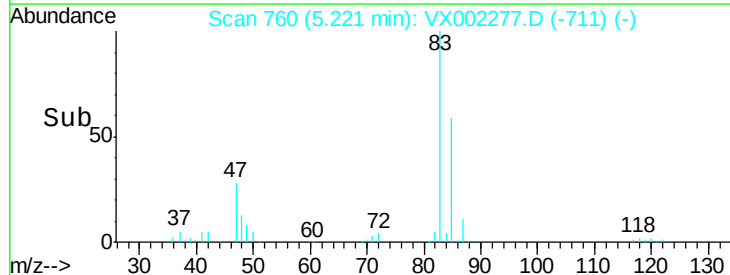
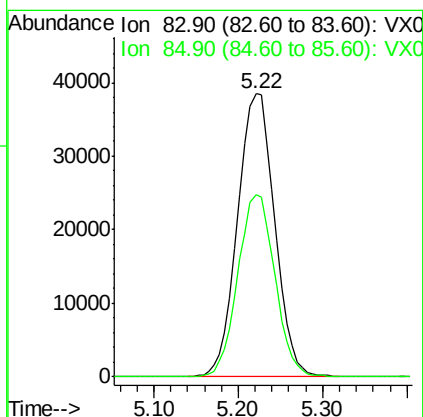
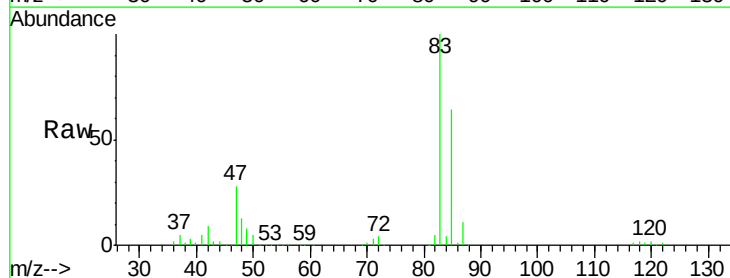
Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

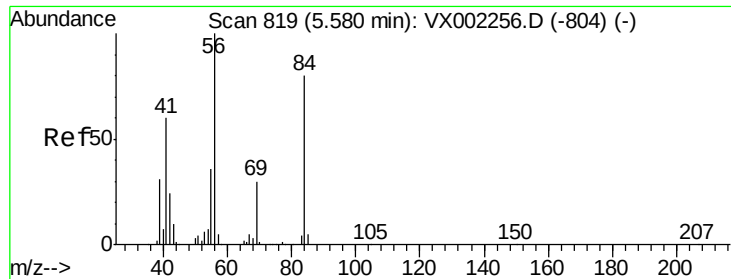
Tot Ion: 42 Resp: 162119
Ion Ratio Lower Upper
42 100
72 40.7 32.0 48.0
71 37.5 30.1 45.1



#30
Chloroform
Concen: 19.97 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion: 83 Resp: 115149
Ion Ratio Lower Upper
83 100
85 64.3 50.4 75.6

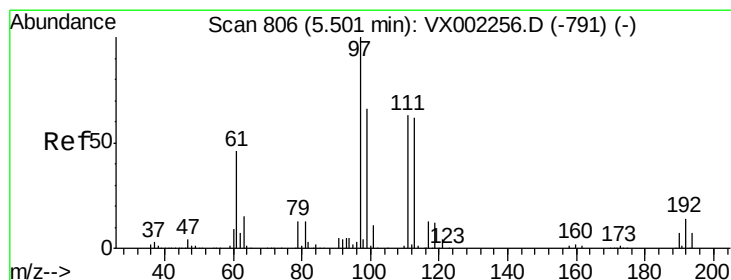
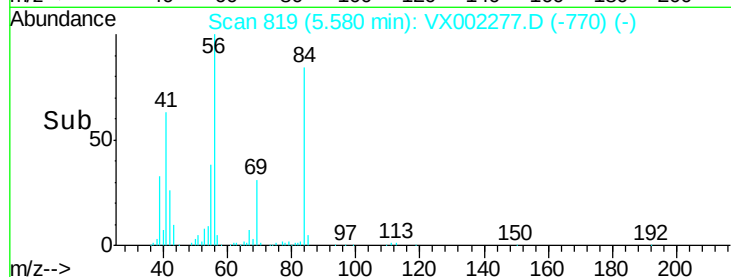
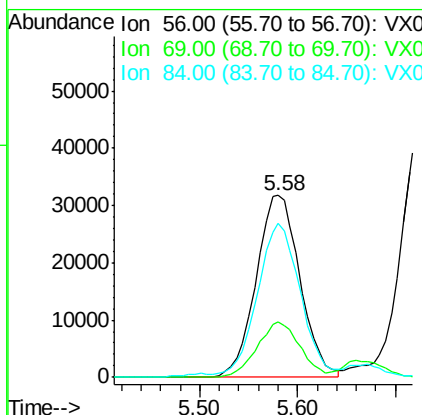
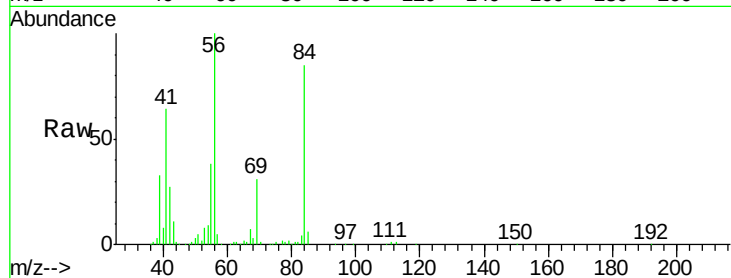




#31
Cyclohexane
Concen: 21.05 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

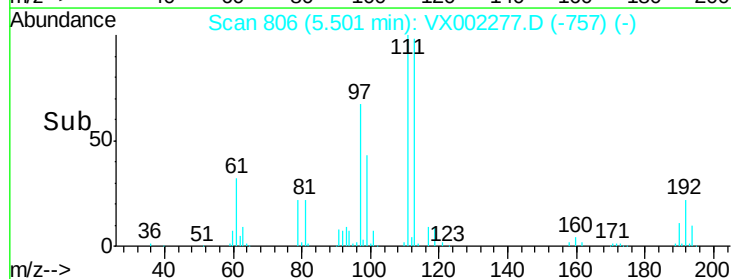
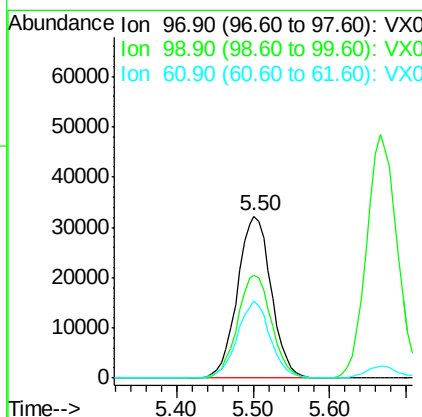
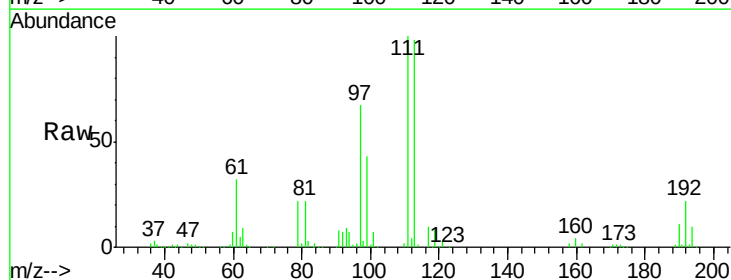
Instrument :
MSVOA_X
ClientSampled :
VX0604WBS02

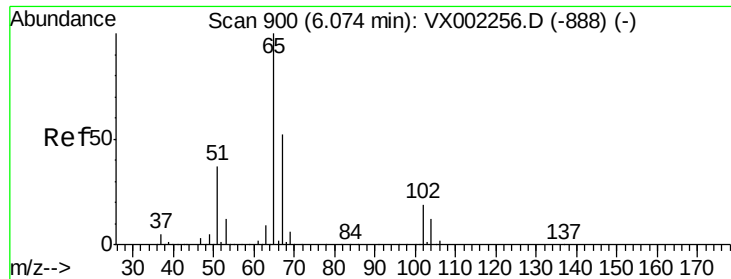
Tot Ion: 56 Resp: 99483
Ion Ratio Lower Upper
56 100
69 30.6 23.7 35.5
84 82.6 64.1 96.1



#32
1,1,1-Trichloroethane
Concen: 20.19 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion: 97 Resp: 98740
Ion Ratio Lower Upper
97 100
99 64.0 51.6 77.4
61 46.4 36.4 54.6

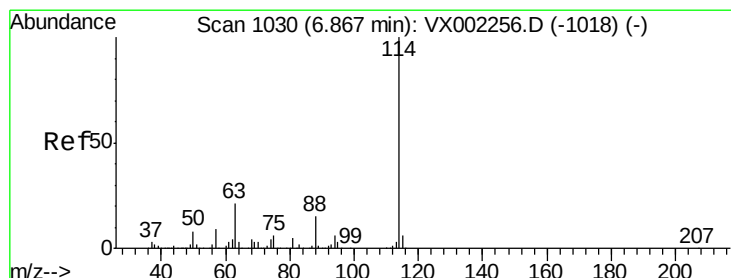
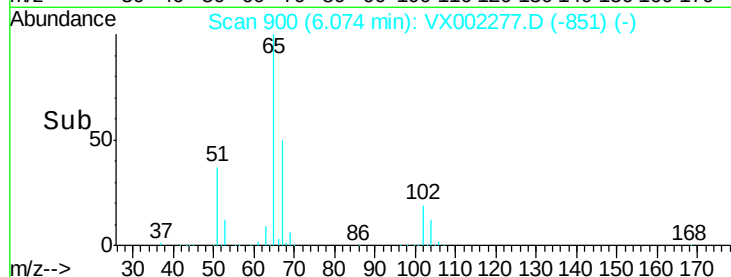
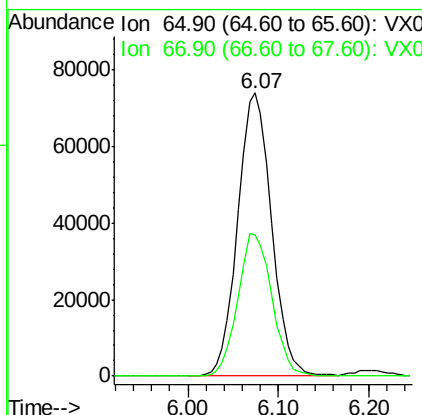
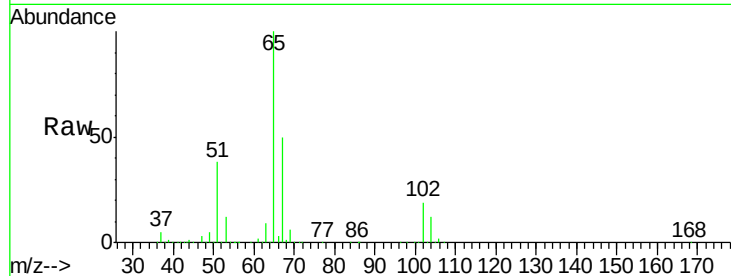




#33
 1,2-Dichloroethane-d4
 Concen: 51.32 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

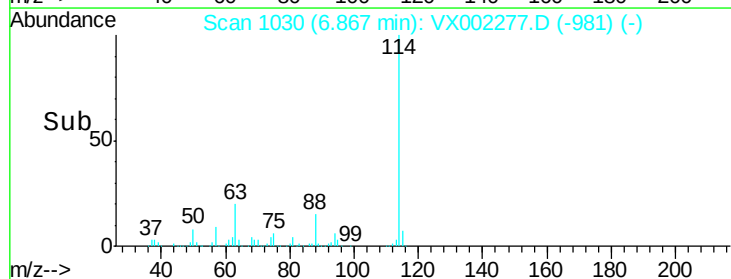
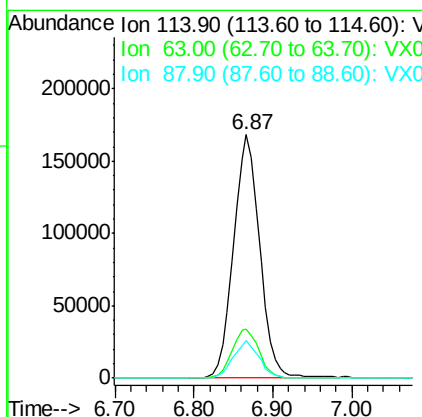
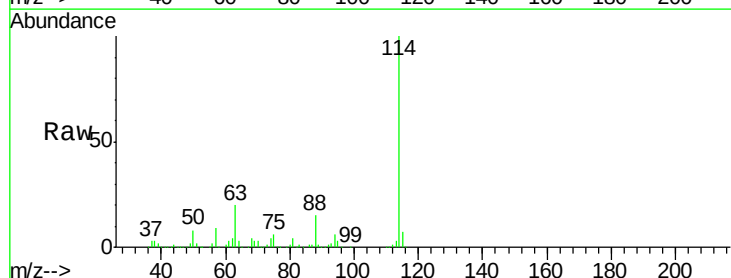
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS02

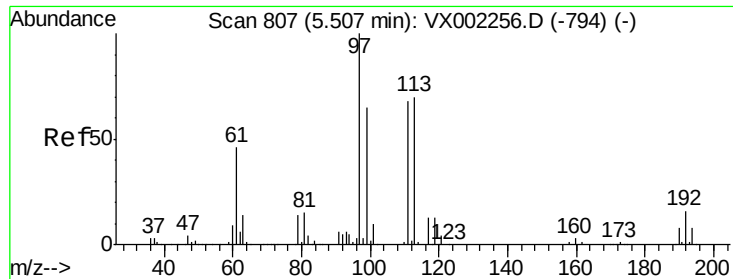
Tot Ion: 65 Resp: 191773
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Tgt Ion: 114 Resp: 389446
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.4
 88 15.2 0.0 30.0

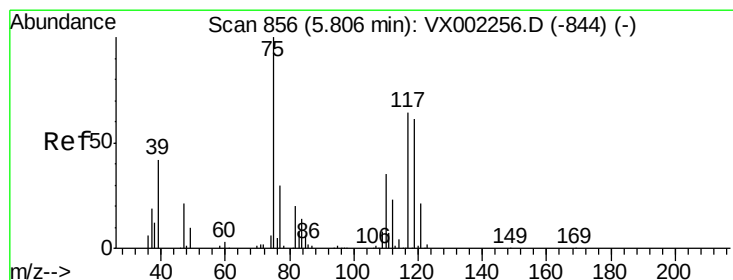
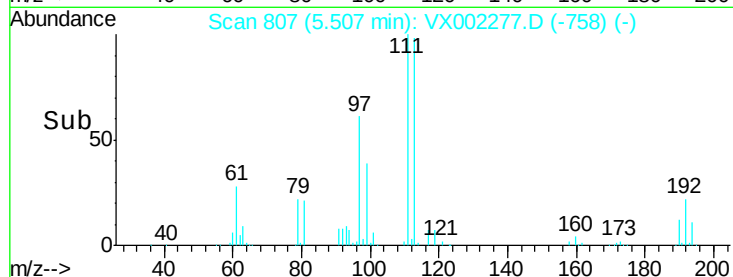
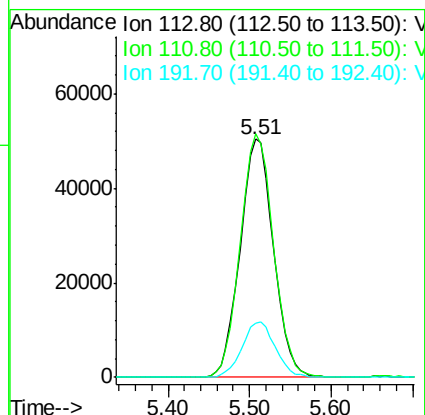
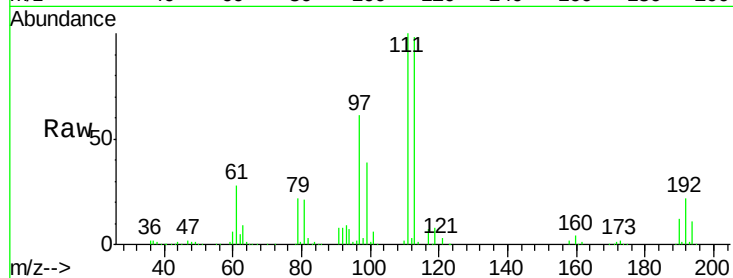




#35
 Dibromofluoromethane
 Concen: 46.68 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

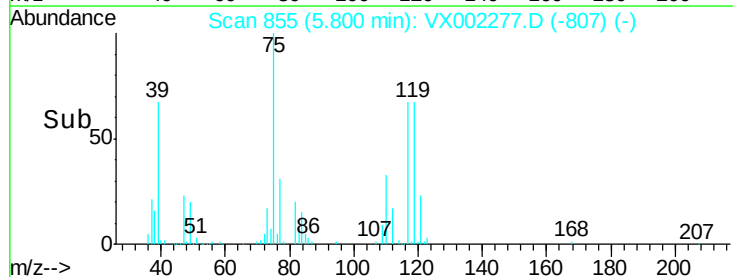
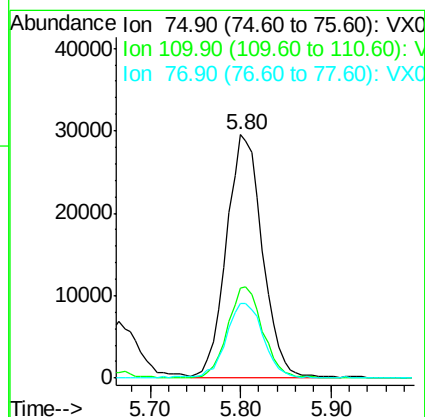
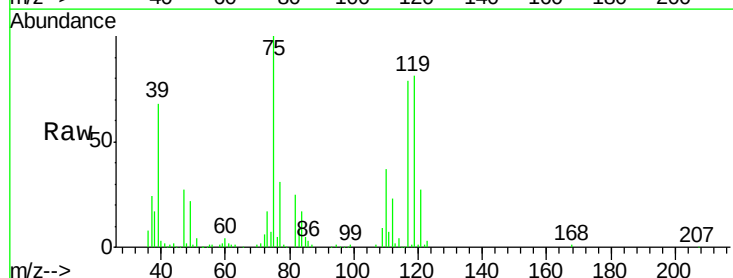
Instrument :
 MSVOA_X
 ClientSampled :
 VX0604WBS02

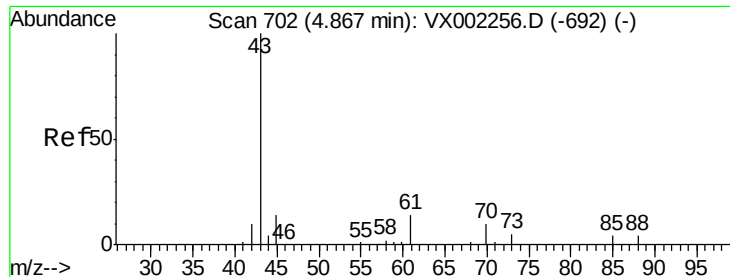
Tot Ion:113 Resp: 142954
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.4 122.0
 192 23.2 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 19.64 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Tgt Ion: 75 Resp: 80415
 Ion Ratio Lower Upper
 75 100
 110 37.1 18.1 54.4
 77 31.1 24.3 36.5

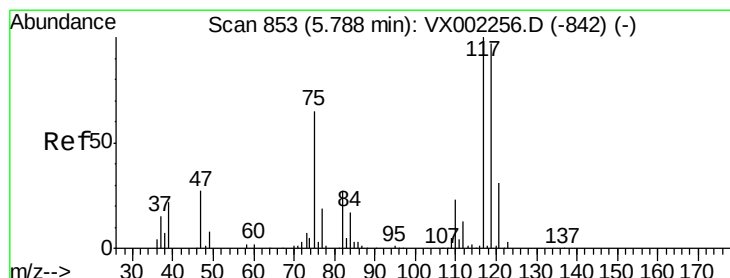
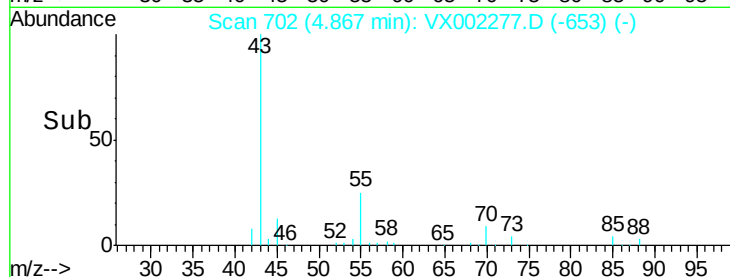
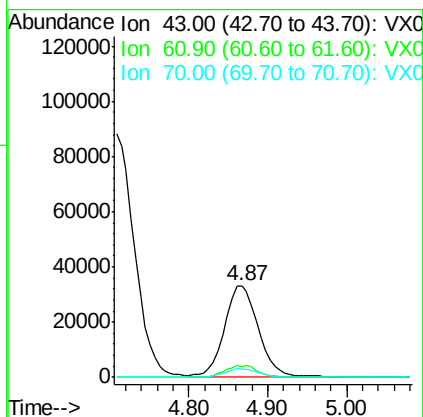
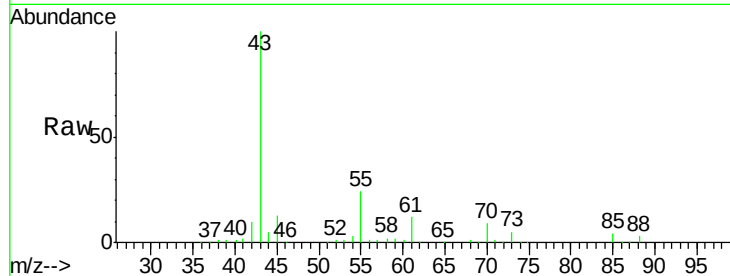




#37
Ethyl Acetate
Concen: 19.92 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

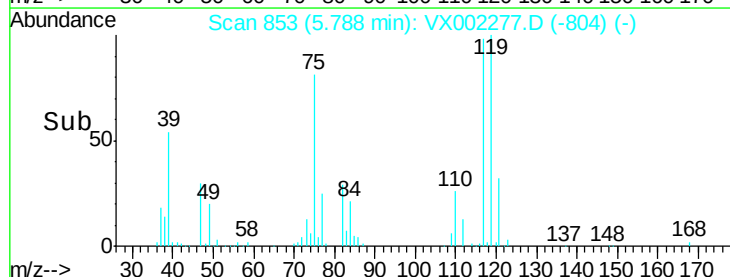
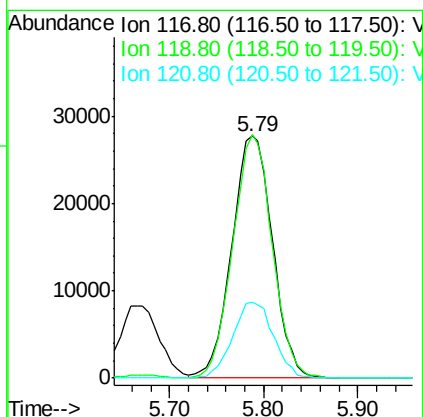
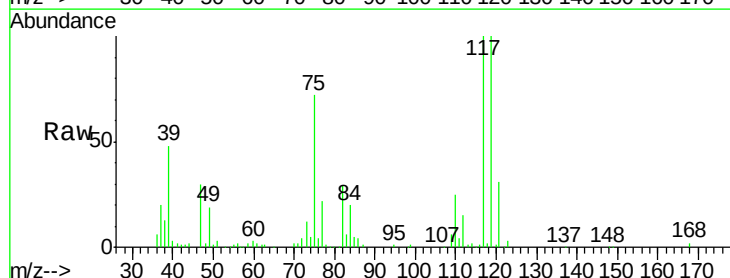
Instrument :
MSVOA_X
ClientSampled :
VX0604WBS02

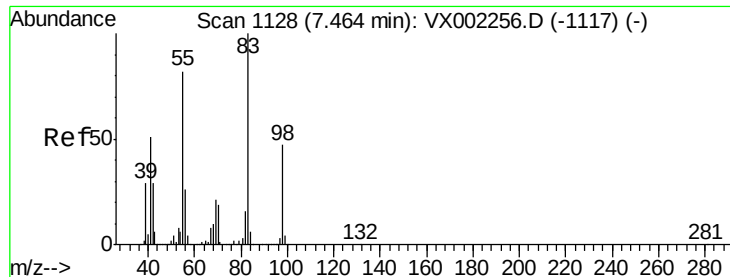
Tot Ion: 43 Resp: 98076
Ion Ratio Lower Upper
43 100
61 13.3 10.4 15.6
70 9.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.46 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion: 117 Resp: 83357
Ion Ratio Lower Upper
117 100
119 100.2 77.4 116.0
121 31.5 24.4 36.6

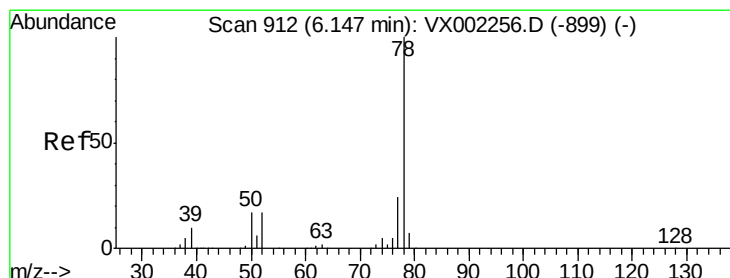
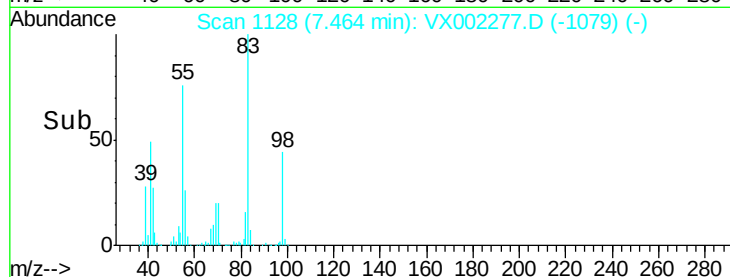
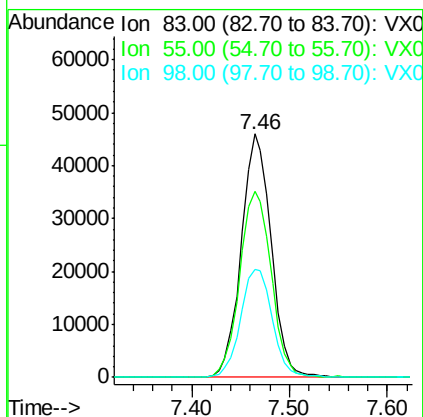
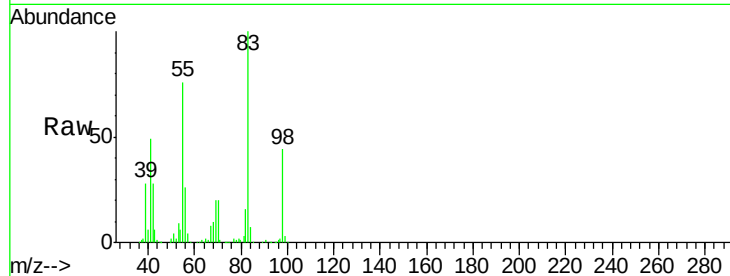




#39
Methylvlcyclohexane
Concen: 19.45 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

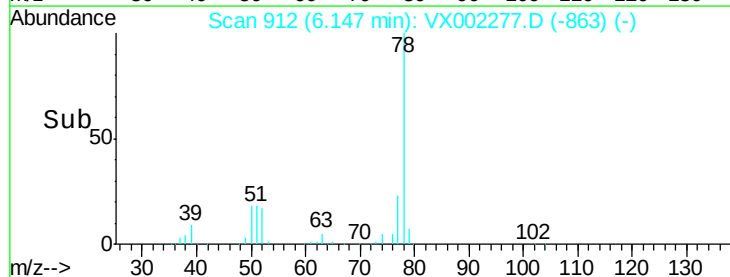
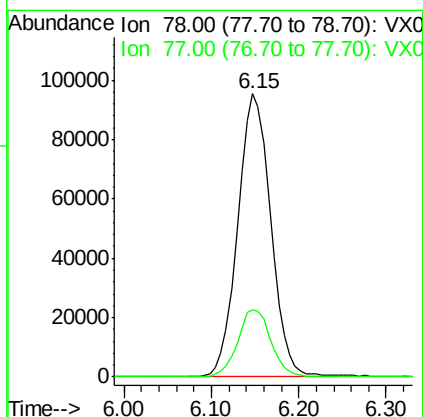
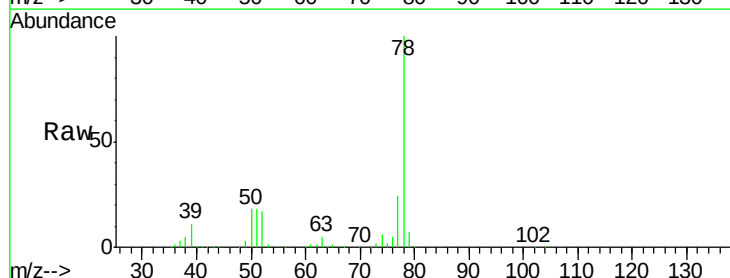
Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

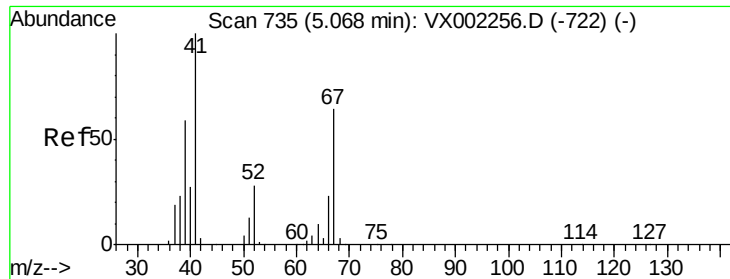
Tot Ion: 83 Resp: 97588
Ion Ratio Lower Upper
83 100
55 76.0 65.4 98.0
98 44.4 37.4 56.0



#40
Benzene
Concen: 19.98 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion: 78 Resp: 250789
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7

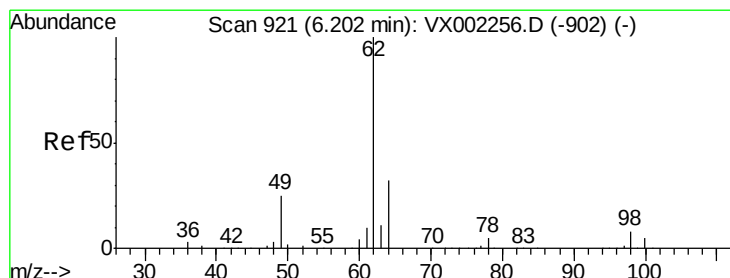
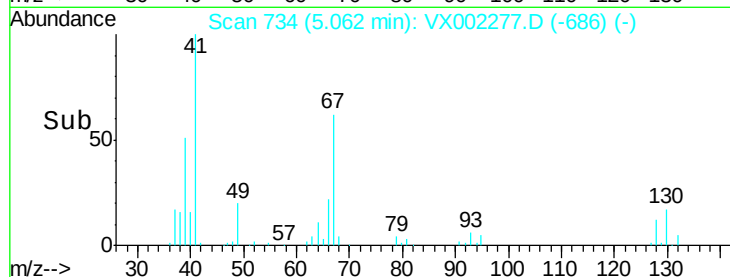
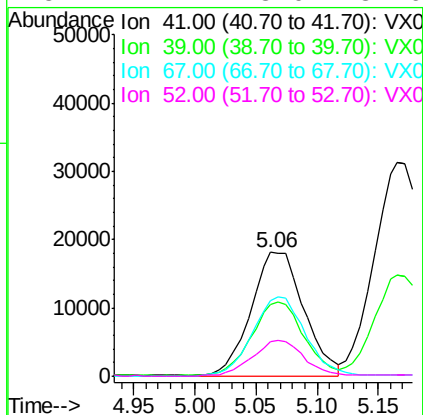
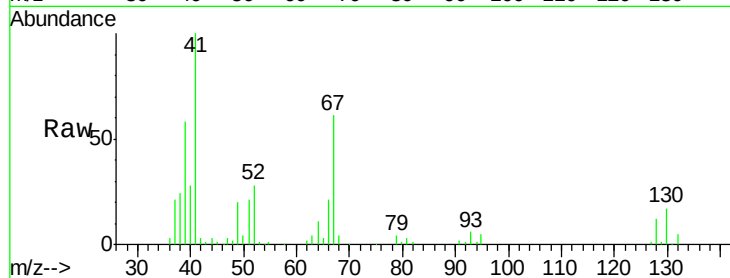




#41
Methacrylonitrile
Concen: 19.33 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

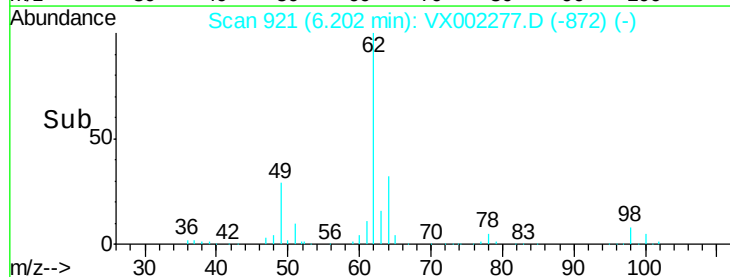
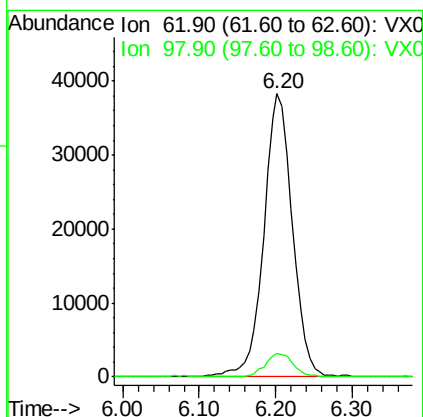
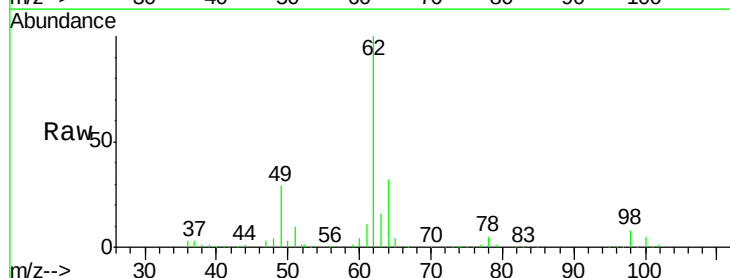
Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

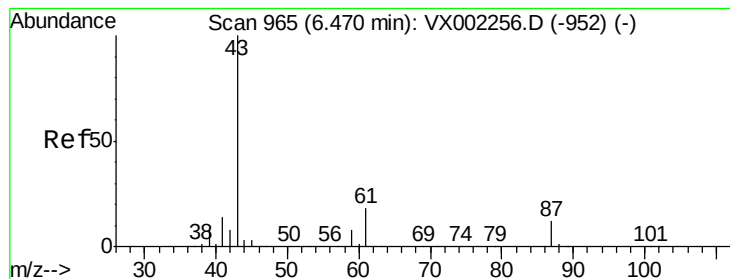
Tot Ion:	41	Resp:	54487
Ion	Ratio	Lower	Upper
41	100		
39	58.7	45.8	68.6
67	64.8	51.3	76.9
52	27.7	23.0	34.6



#42
1,2-Dichloroethane
Concen: 19.98 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion:	62	Resp:	99630
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.6



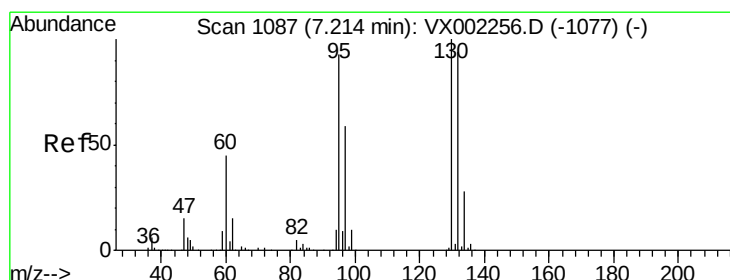
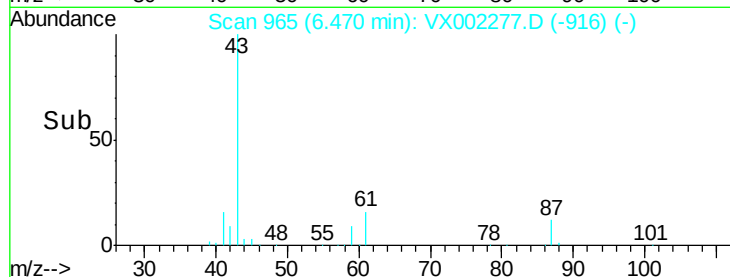
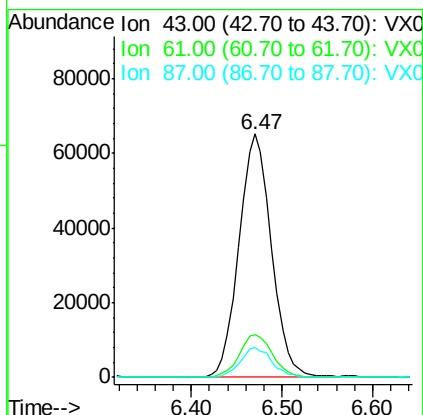
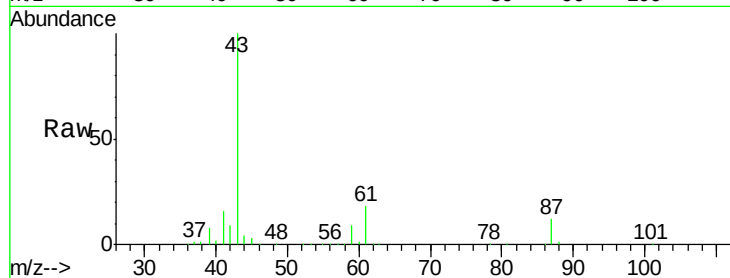


#43

Isopropyl Acetate
 Concen: 19.23 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS02

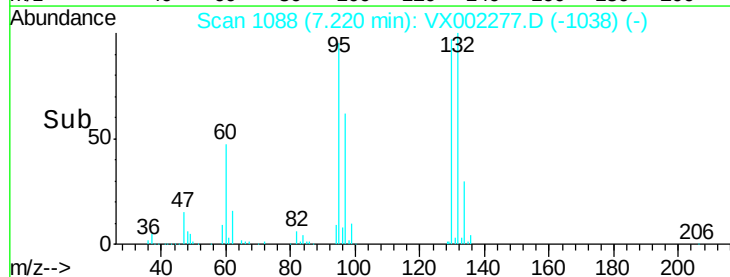
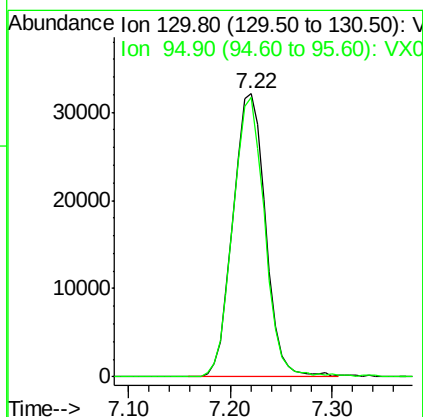
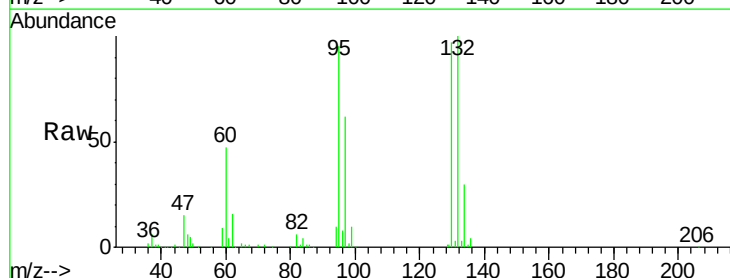
Tot Ion: 43 Resp: 160850
 Ion Ratio Lower Upper
 43 100
 61 18.0 14.4 21.6
 87 12.0 9.5 14.3

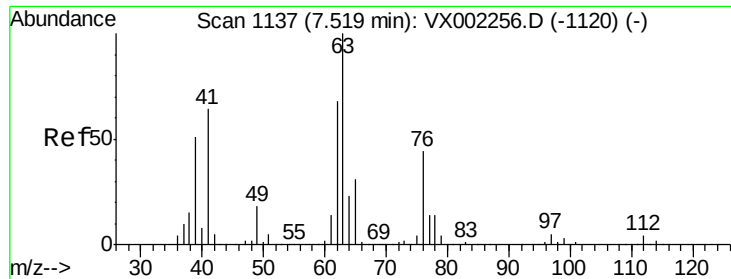


#44

Trichloroethene
 Concen: 20.35 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Tgt Ion:130 Resp: 70900
 Ion Ratio Lower Upper
 130 100
 95 98.6 0.0 185.4

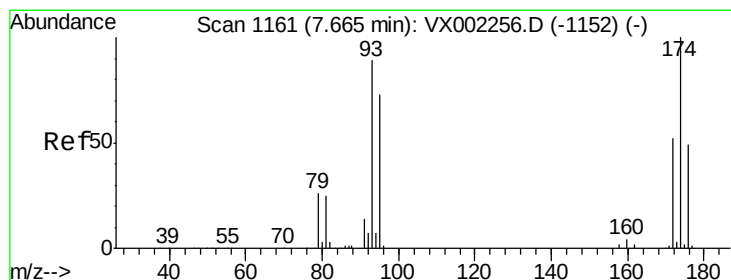
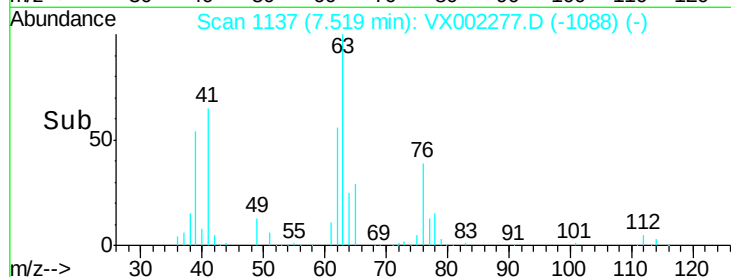
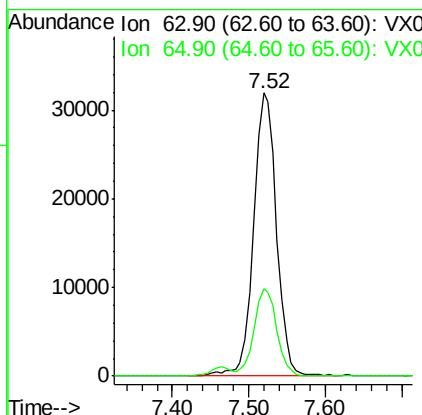
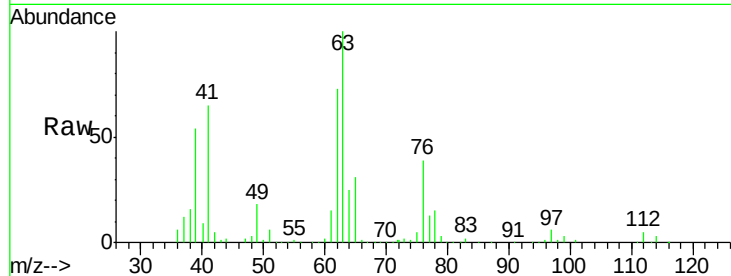




#45
 1,2-Dichloropropane
 Concen: 19.70 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

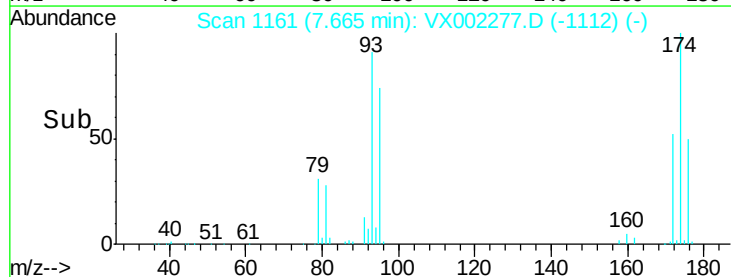
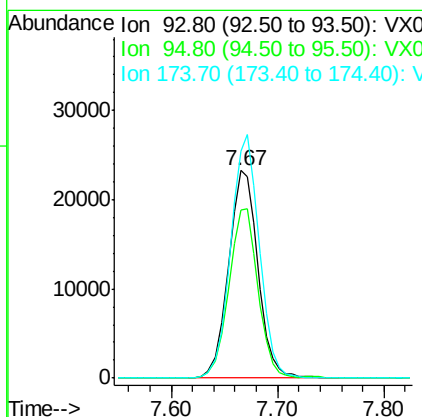
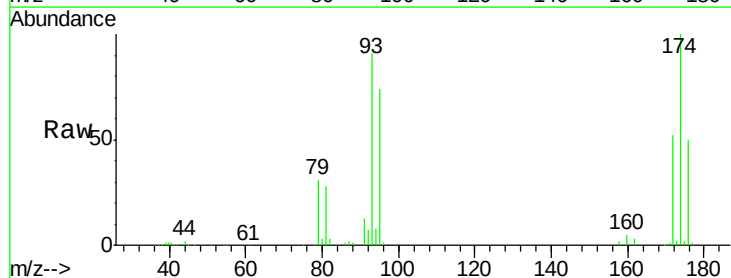
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS02

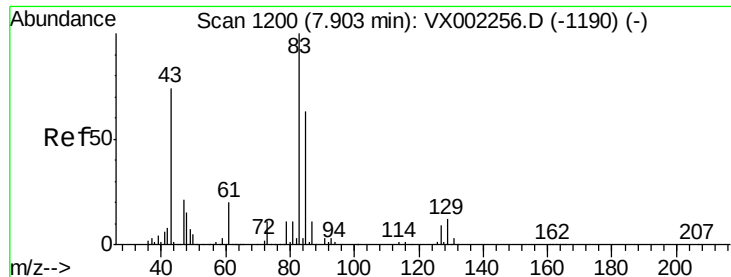
Tot Ion: 63 Resp: 66774
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.7 37.1



#46
 Dibromomethane
 Concen: 19.61 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Tgt Ion: 93 Resp: 45041
 Ion Ratio Lower Upper
 93 100
 95 81.0 65.9 98.9
 174 114.4 92.4 138.6





#47

Bromodichloromethane

Concen: 19.08 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

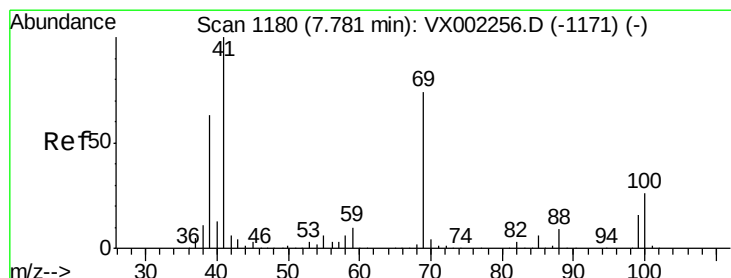
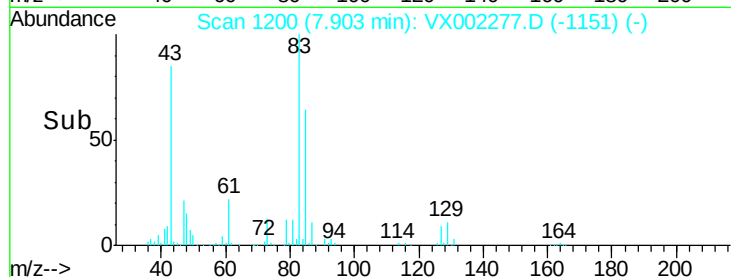
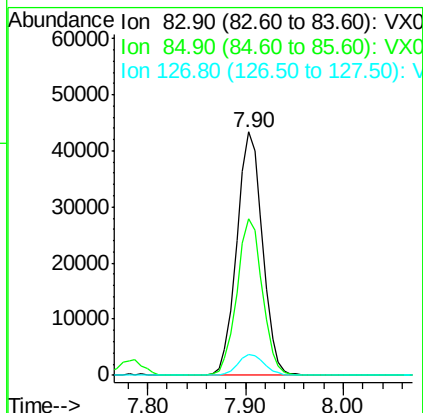
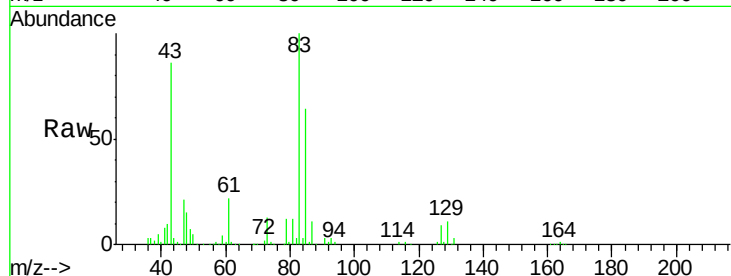
Tot Ion: 83 Resp: 79264

Ion Ratio Lower Upper

83 100

85 64.1 50.3 75.5

127 8.7 7.0 10.4



#48

Methyl methacrylate

Concen: 19.45 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

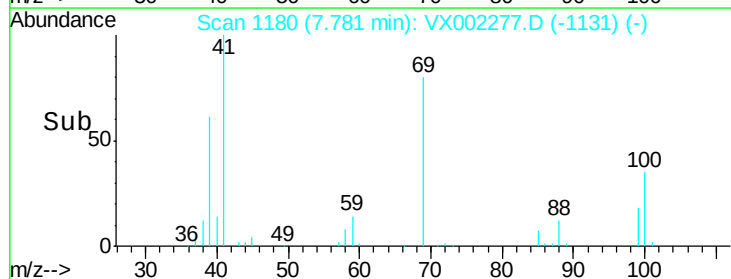
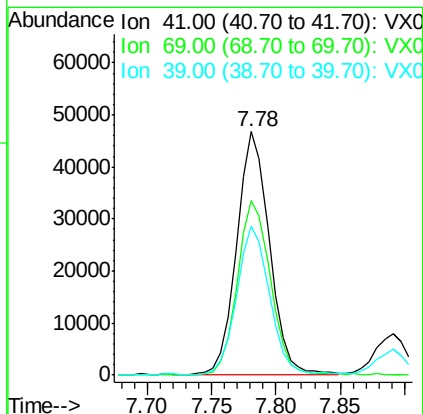
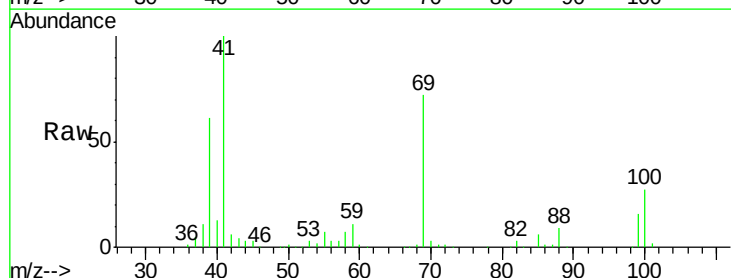
Tgt Ion: 41 Resp: 81721

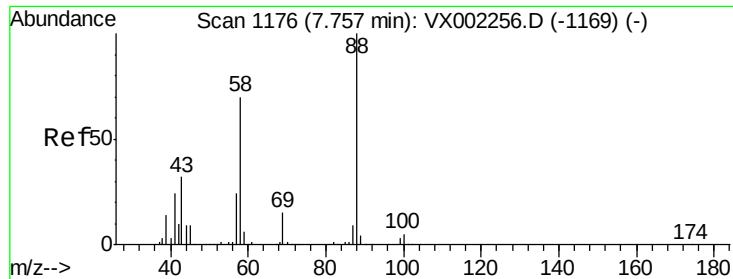
Ion Ratio Lower Upper

41 100

69 73.4 59.1 88.7

39 61.7 48.9 73.3





#49

1,4-Dioxane

Concen: 408.85 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

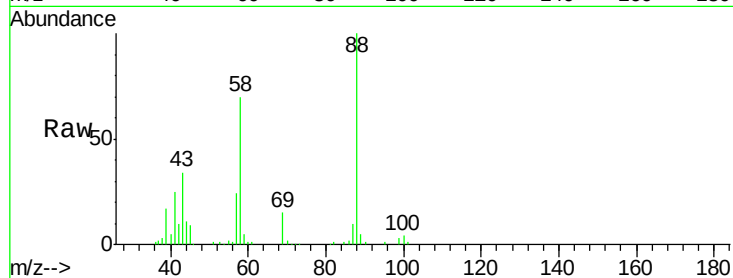
Tot Ion: 88 Resp: 32113

Ion Ratio Lower Upper

88 100

43 37.5 29.8 44.6

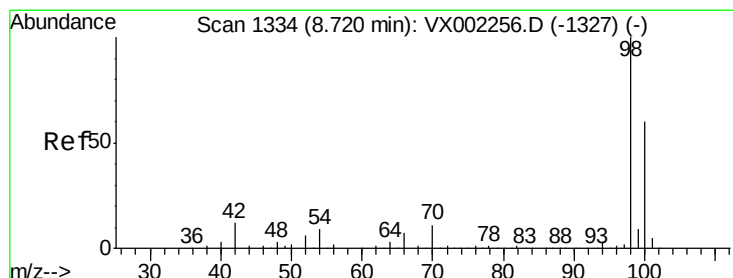
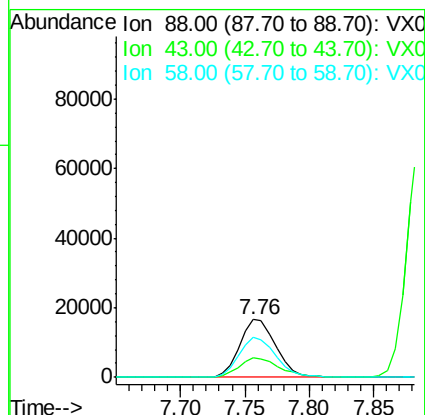
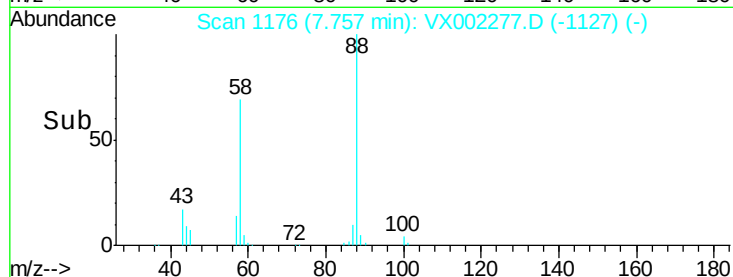
58 70.1 57.1 85.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 47.67 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002277.D

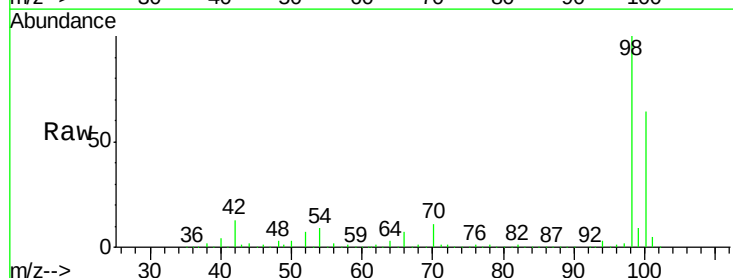
Acq: 04 Jun 2018 23:39

Tgt Ion: 98 Resp: 559648

Ion Ratio Lower Upper

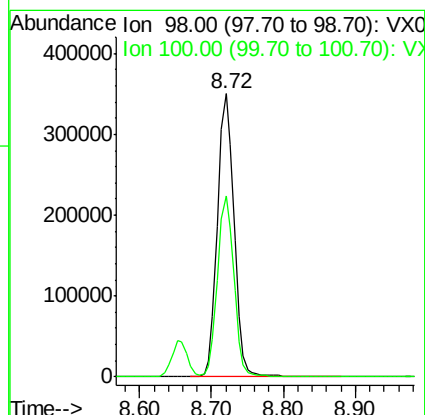
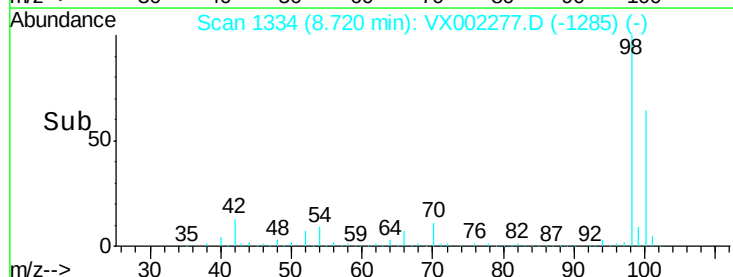
98 100

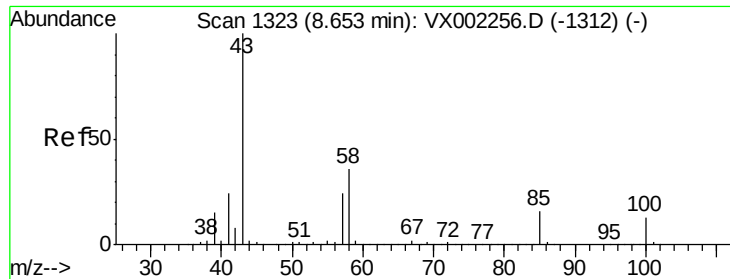
100 63.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 99.37 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

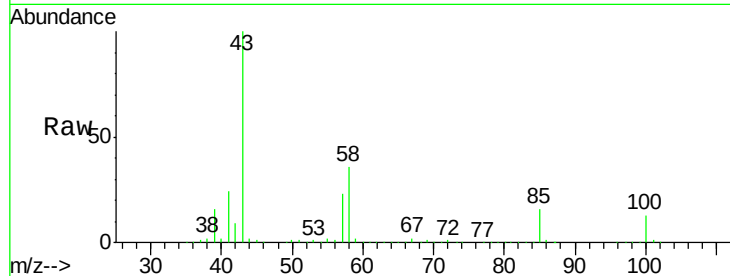
VX0604WBS02

Tot Ion: 43 Resp: 517509

Ion Ratio Lower Upper

43 100

58 35.8 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

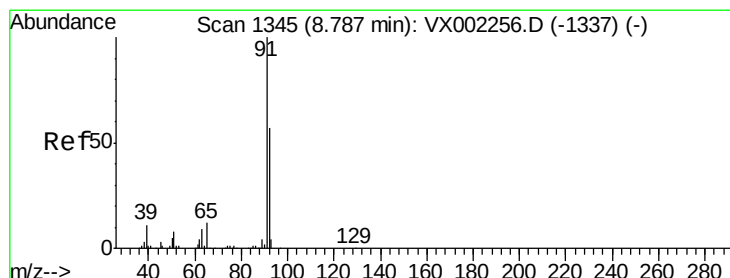
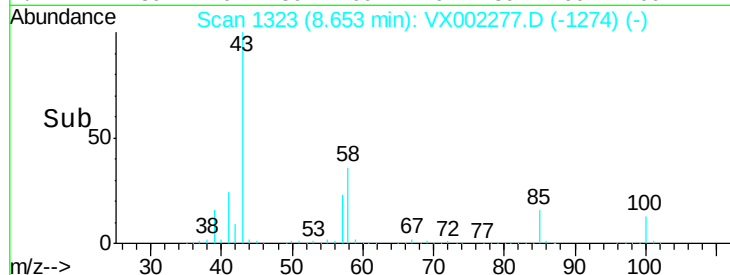
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.28 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002277.D

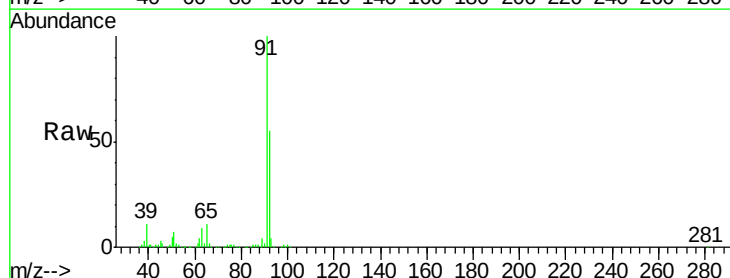
Acq: 04 Jun 2018 23:39

Tgt Ion: 92 Resp: 161892

Ion Ratio Lower Upper

92 100

91 177.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

200000

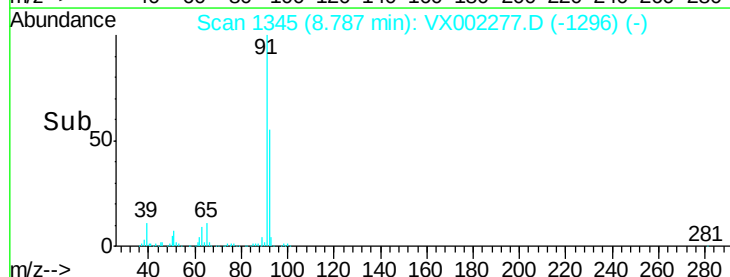
150000

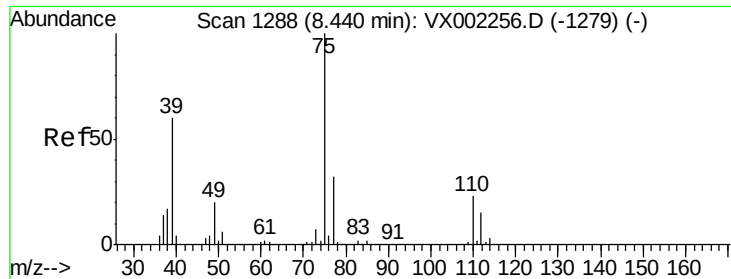
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.66 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

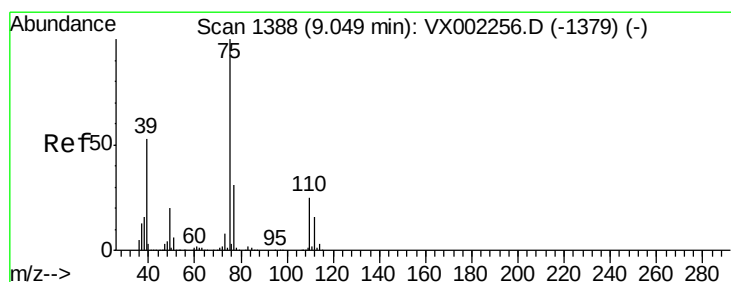
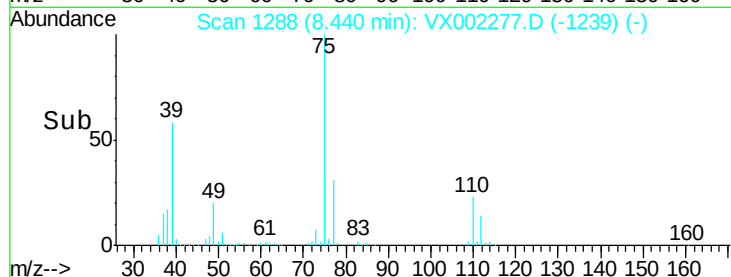
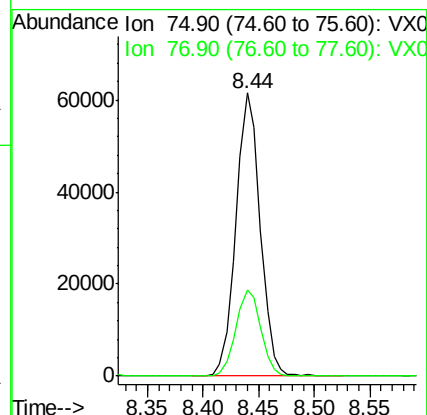
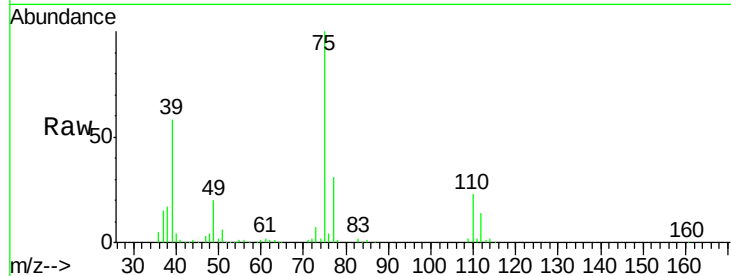
VX0604WBS02

Tot Ion: 75 Resp: 92976

Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 17.84 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

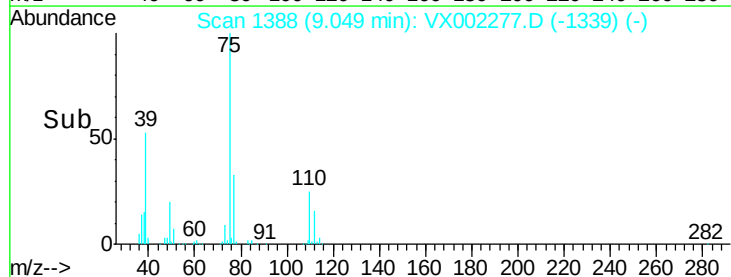
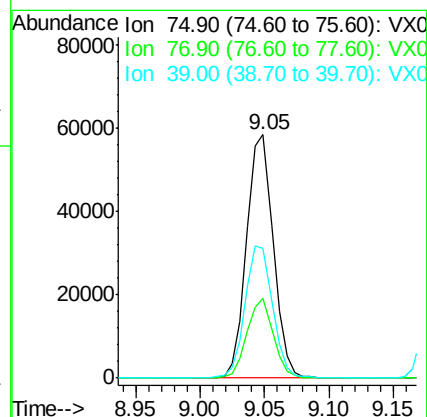
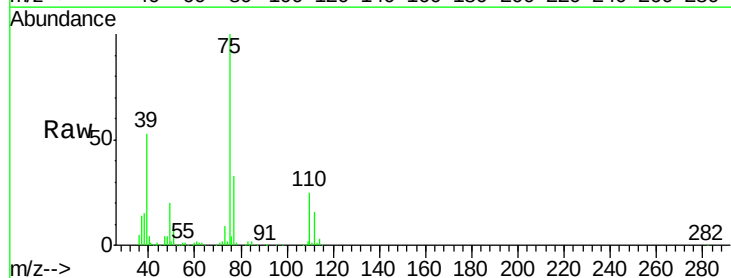
Tgt Ion: 75 Resp: 83857

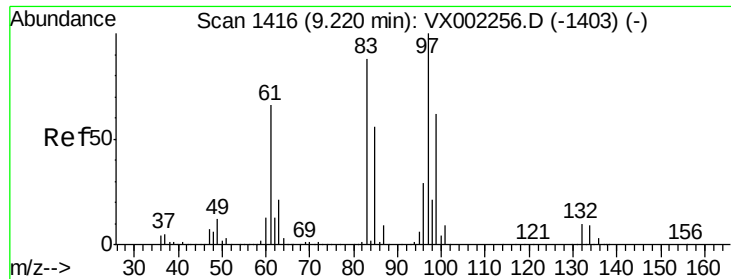
Ion Ratio Lower Upper

75 100

77 32.6 24.8 37.2

39 53.0 42.4 63.6

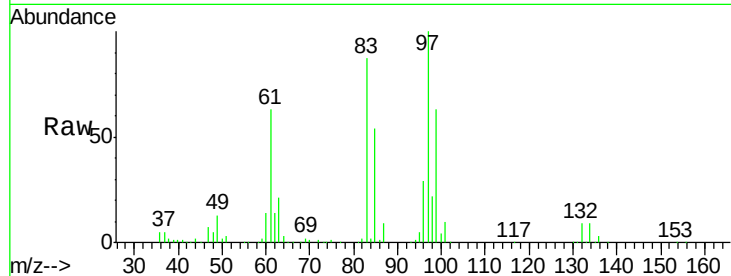




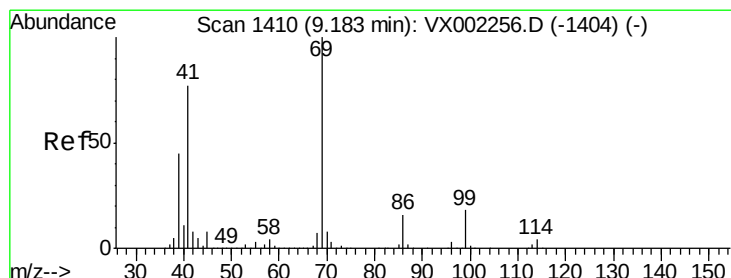
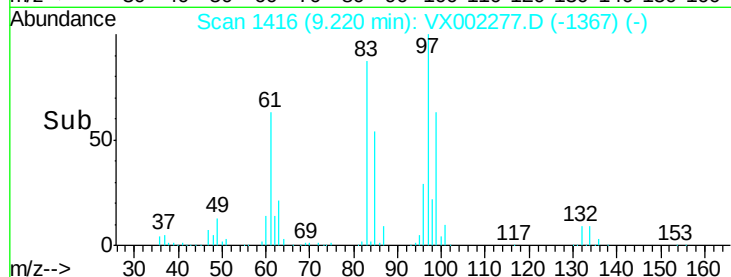
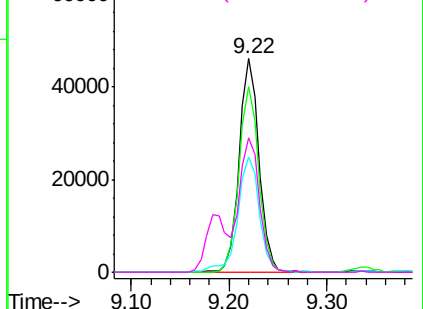
#55
 1,1,2-Trichloroethane
 Concen: 19.81 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS02

Tot Ion: 97 Resp: 65045
 Ion Ratio Lower Upper
 97 100
 83 87.0 70.2 105.2
 85 54.0 44.9 67.3
 99 63.0 49.8 74.8

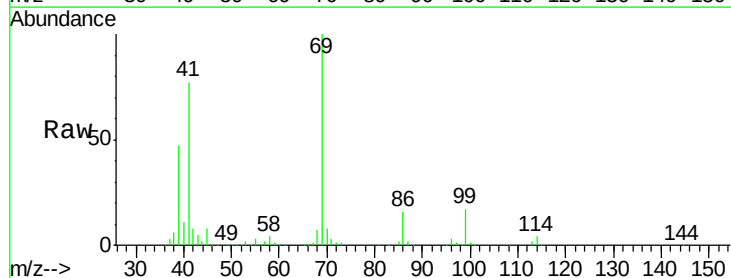


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

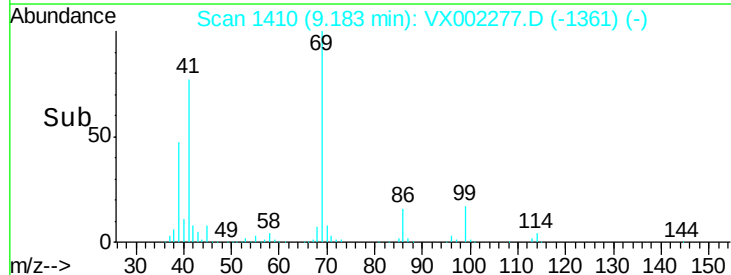
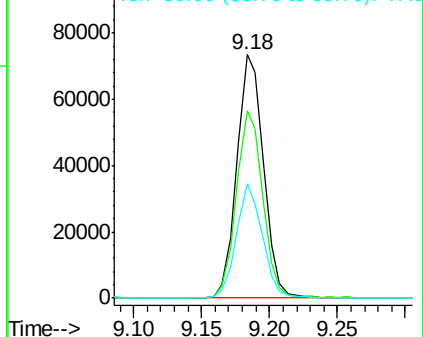


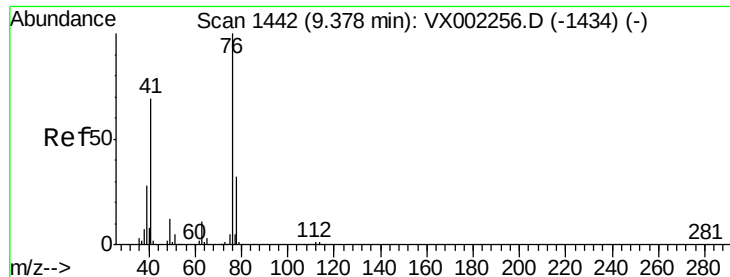
#56
 Ethyl methacrylate
 Concen: 19.15 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Tgt Ion: 69 Resp: 100403
 Ion Ratio Lower Upper
 69 100
 41 75.4 60.3 90.5
 39 45.3 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: 20.04 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

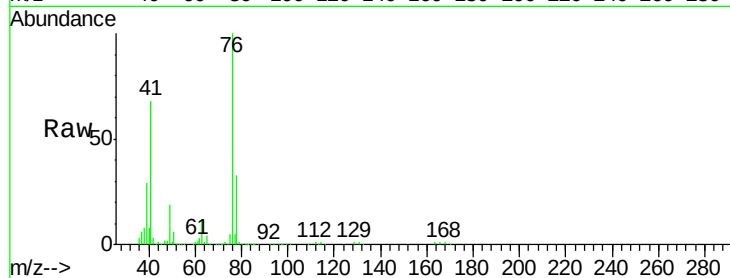
VX0604WBS02

Tot Ion: 76 Resp: 110406

Ion Ratio Lower Upper

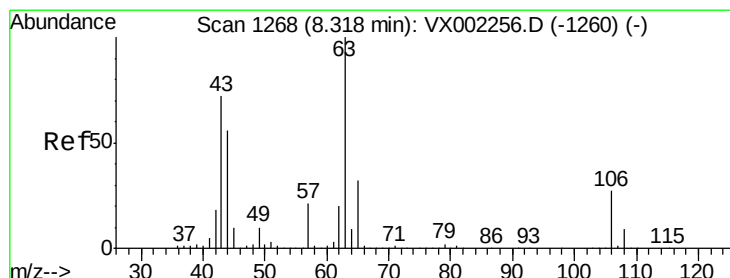
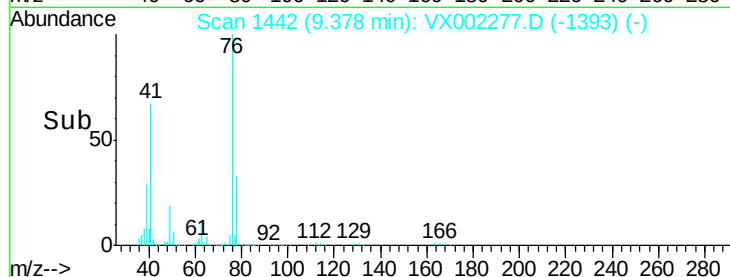
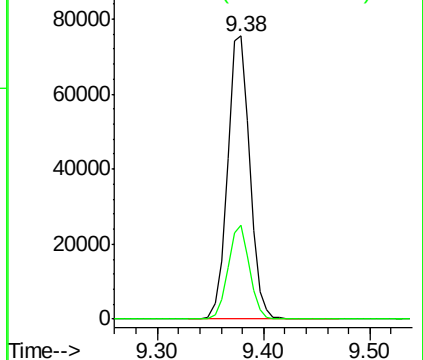
76 100

78 32.3 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 100.37 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX002277.D

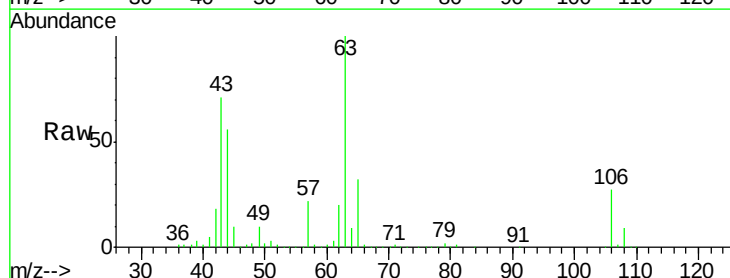
Acq: 04 Jun 2018 23:39

Tgt Ion: 63 Resp: 243559

Ion Ratio Lower Upper

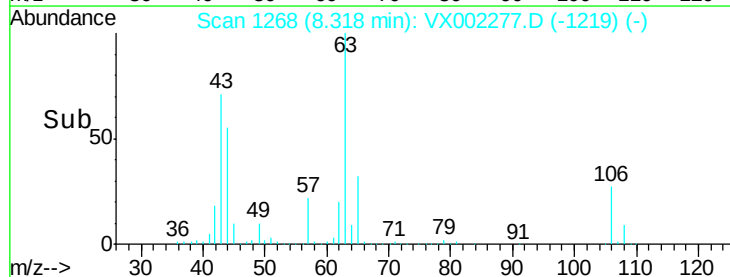
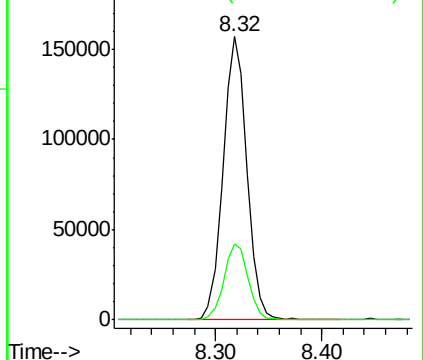
63 100

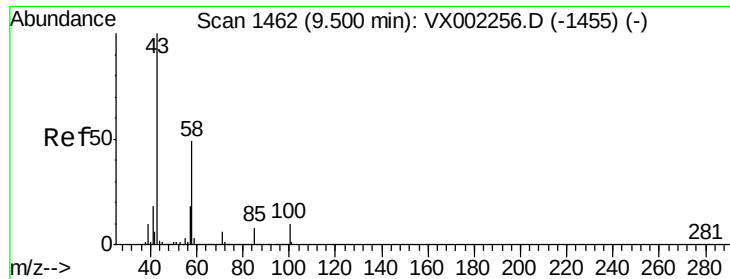
106 27.6 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

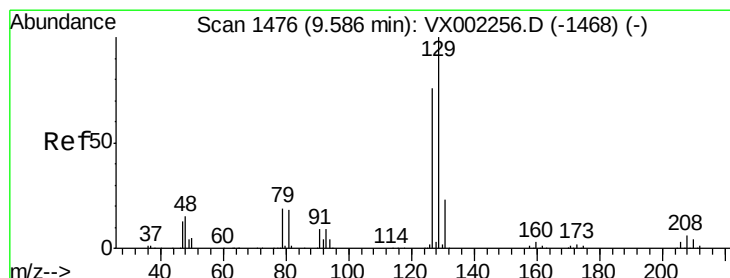
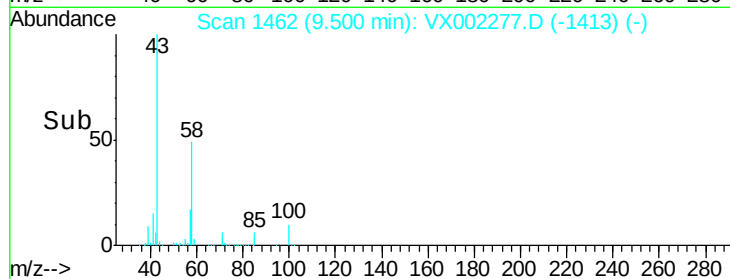
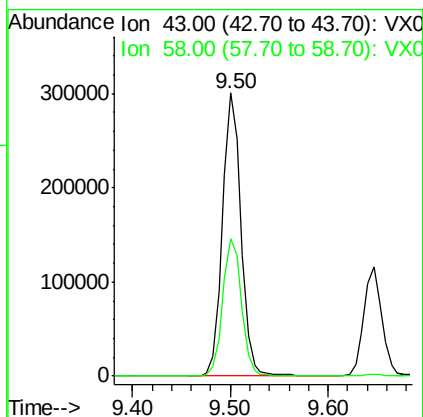
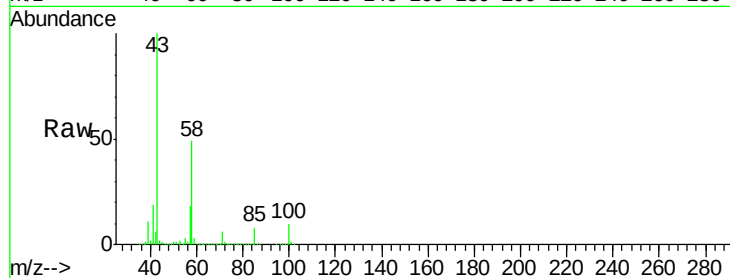




#59
2-Hexanone
Concen: 98.29 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

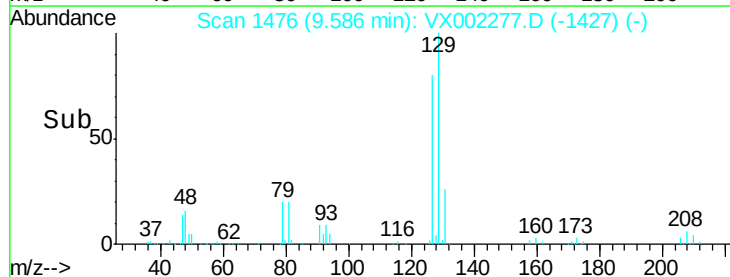
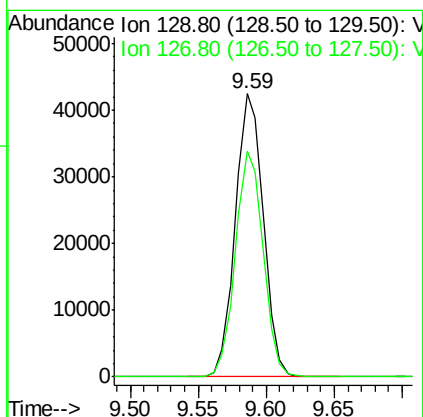
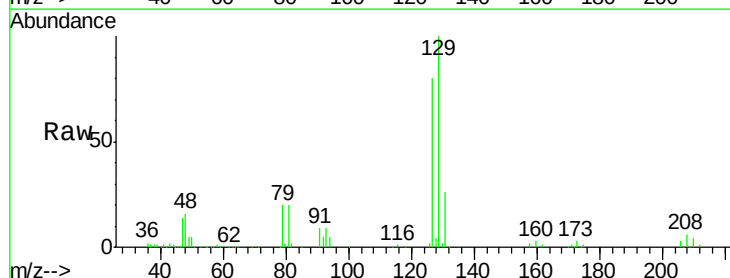
Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

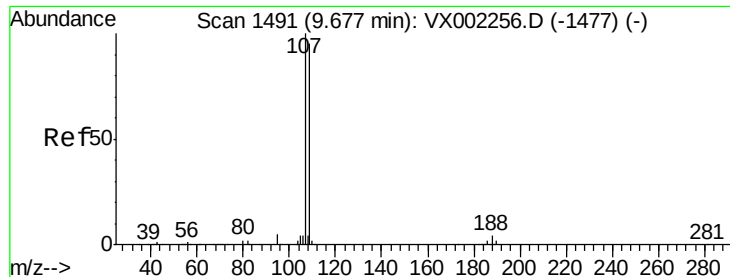
Tot Ion: 43 Resp: 395383
Ion Ratio Lower Upper
43 100
58 49.7 24.6 73.6



#60
Dibromochloromethane
Concen: 18.43 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion: 129 Resp: 60873
Ion Ratio Lower Upper
129 100
127 79.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.00 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

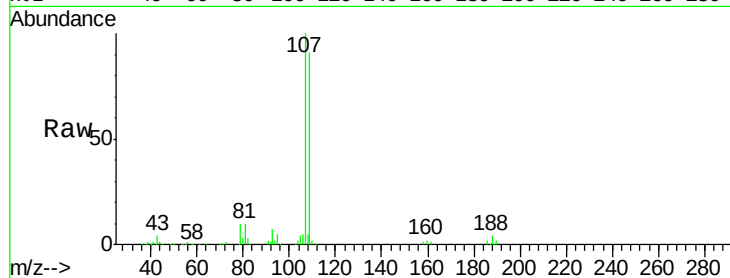
VX0604WBS02

Tot Ion:107 Resp: 68466

Ion Ratio Lower Upper

107 100

109 93.1 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

60000

50000

40000

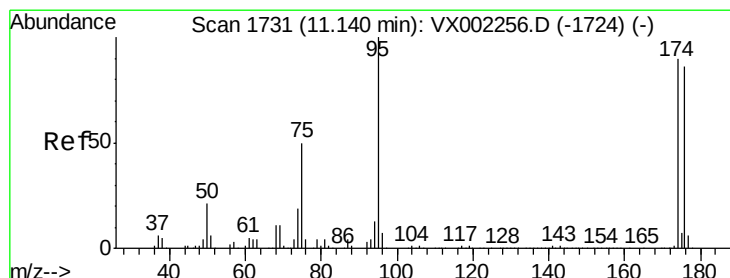
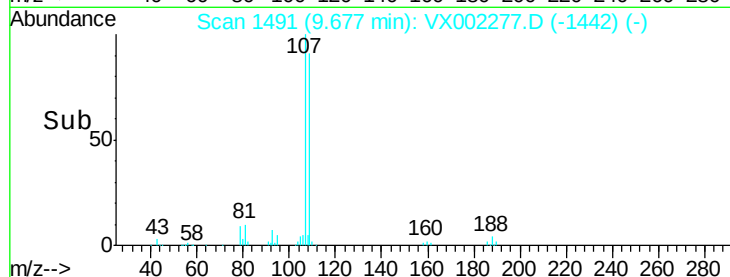
30000

20000

10000

0

Time--> 9.55 9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 45.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

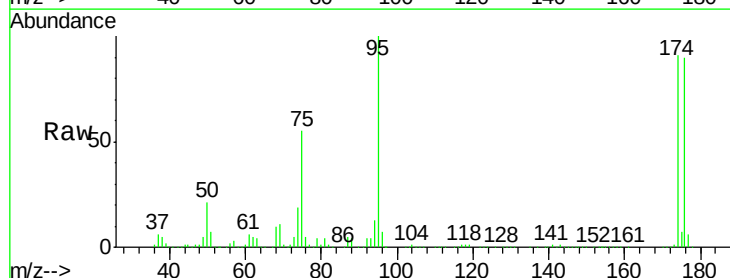
Tgt Ion: 95 Resp: 204973

Ion Ratio Lower Upper

95 100

174 94.3 0.0 187.4

176 93.1 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

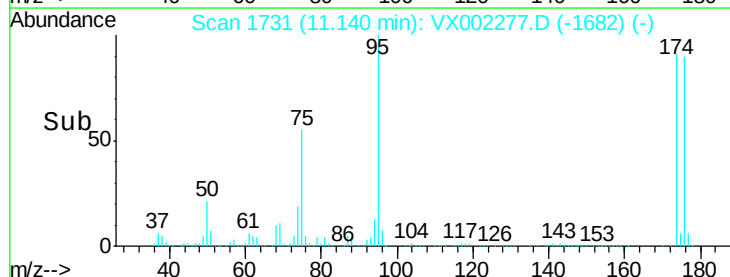
150000

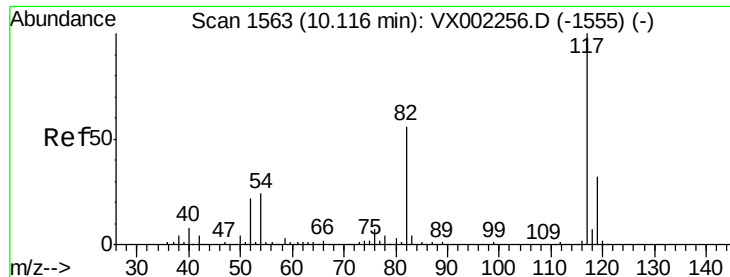
100000

50000

0

Time--> 11.05 11.10 11.15 11.20

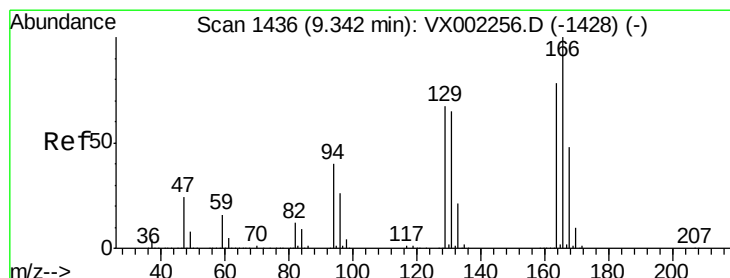
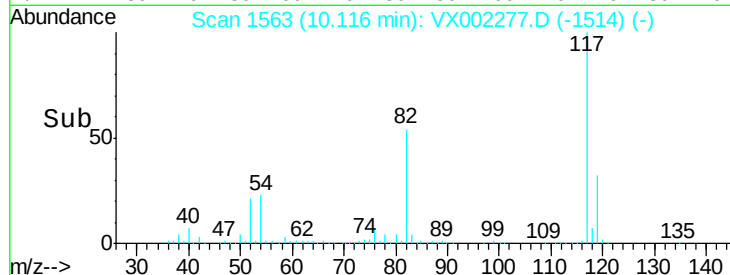
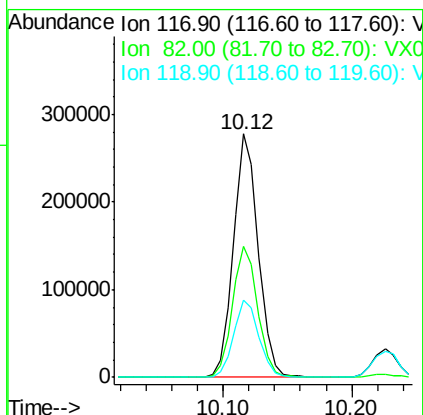
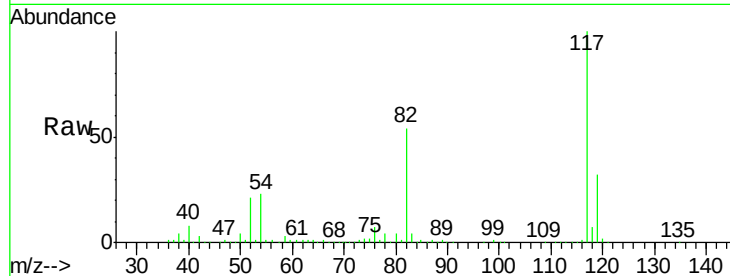




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

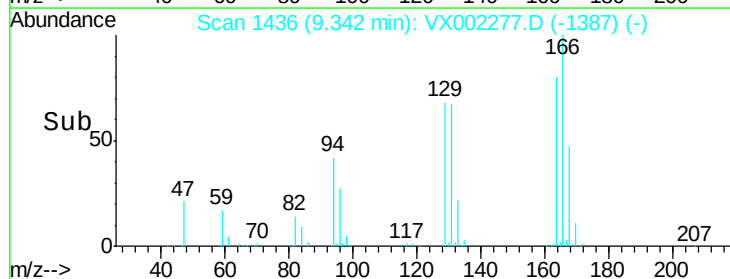
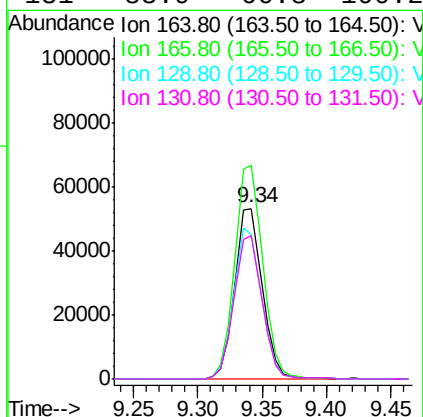
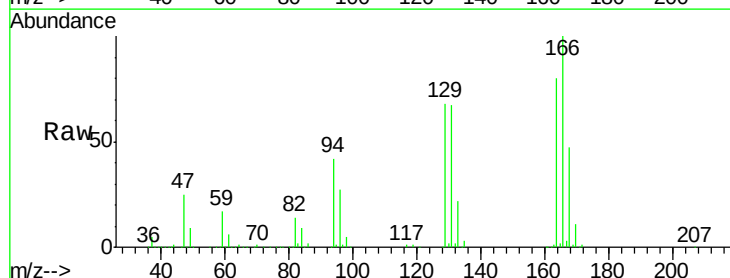
Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

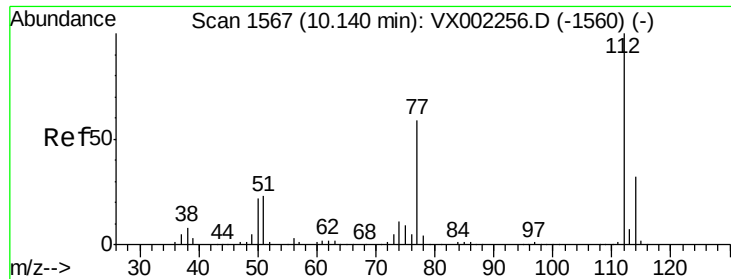
Tot Ion:117 Resp: 373893
Ion Ratio Lower Upper
117 100
82 54.0 45.0 67.4
119 31.6 25.8 38.6



#64
Tetrachloroethene
Concen: 20.79 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion:164 Resp: 80181
Ion Ratio Lower Upper
164 100
166 125.0 102.9 154.3
129 85.0 68.6 102.8
131 83.9 66.8 100.2

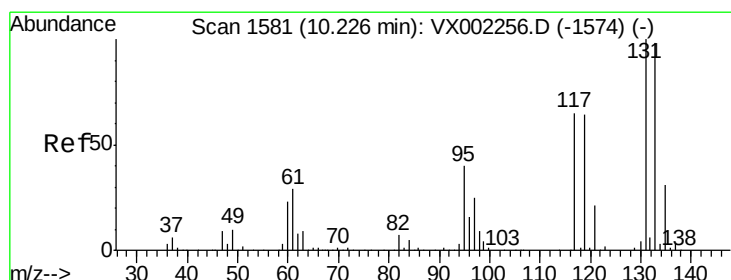
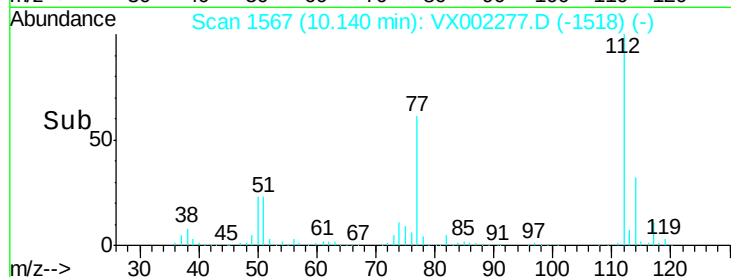
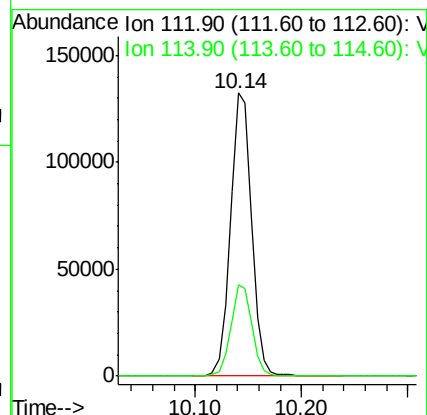
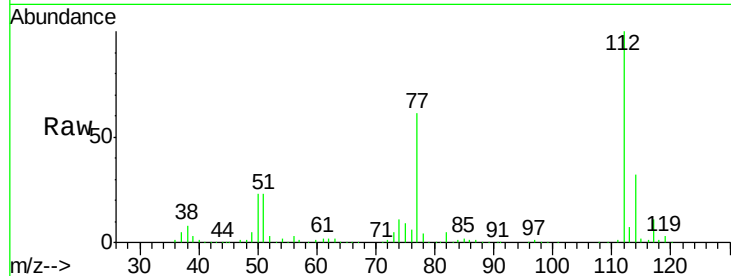




#65
Chlorobenzene
Concen: 19.88 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

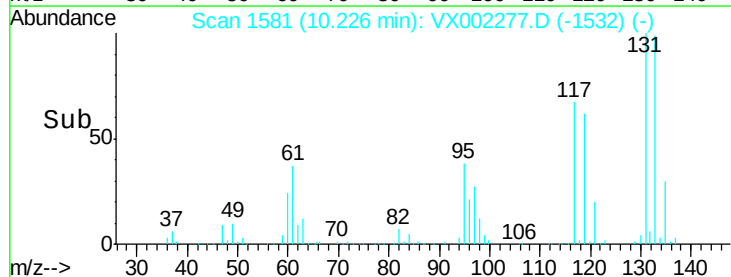
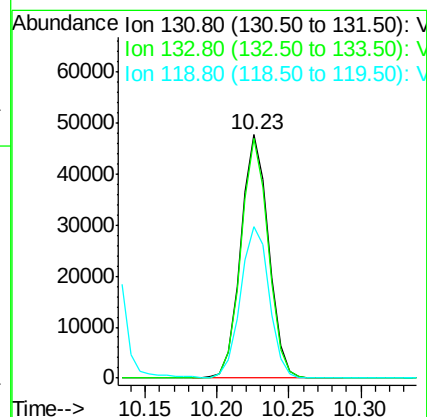
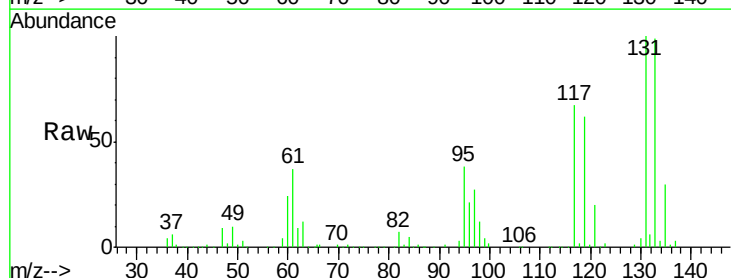
Instrument :
MSVOA_X
ClientSampled :
VX0604WBS02

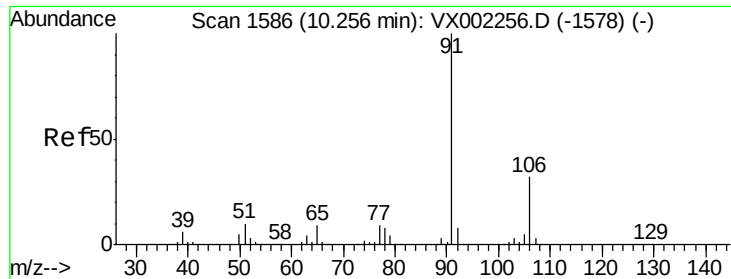
Tot Ion:112 Resp: 184918
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.06 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion:131 Resp: 64211
Ion Ratio Lower Upper
131 100
133 96.6 47.9 143.6
119 64.4 31.8 95.3





#67

Ethyl Benzene

Concen: 20.36 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampled :

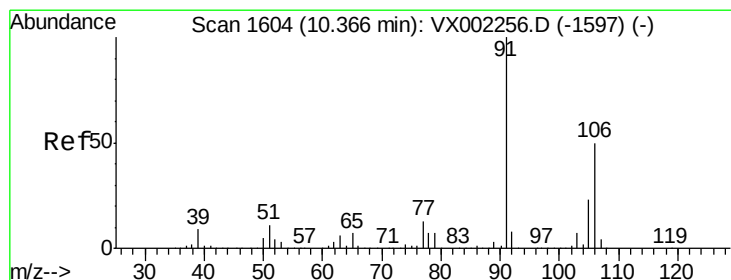
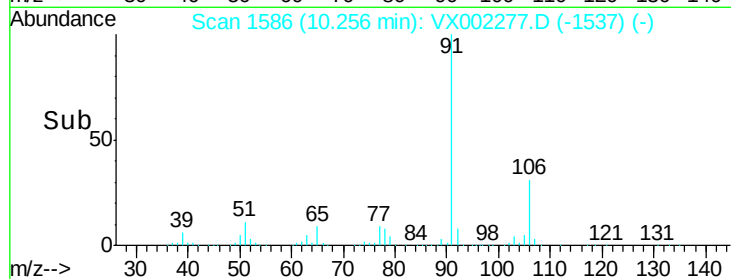
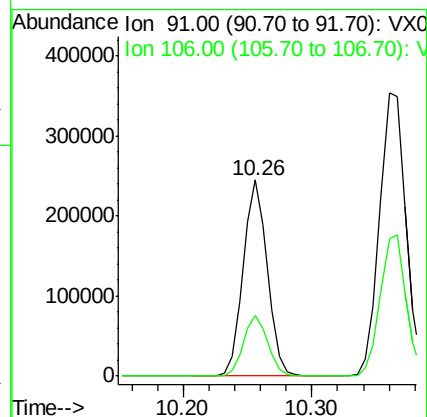
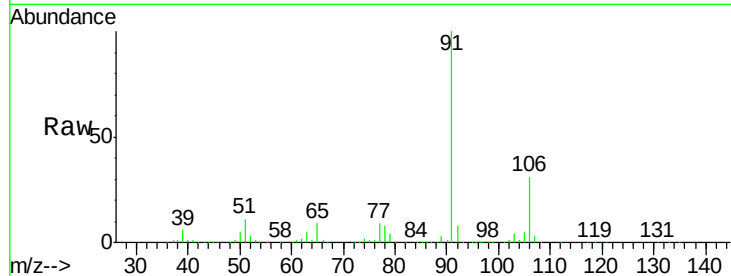
VX0604WBS02

Tot Ion: 91 Resp: 316970

Ion Ratio Lower Upper

91 100

106 31.1 25.5 38.3



#68

m/p-Xylenes

Concen: 40.36 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX002277.D

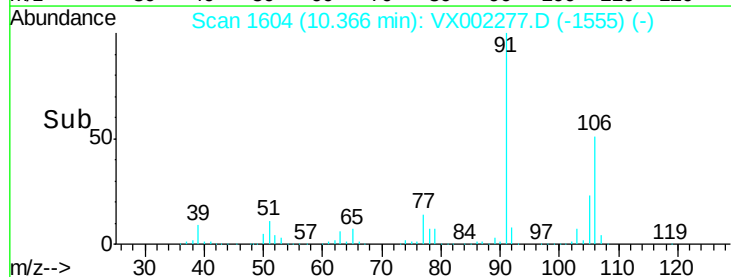
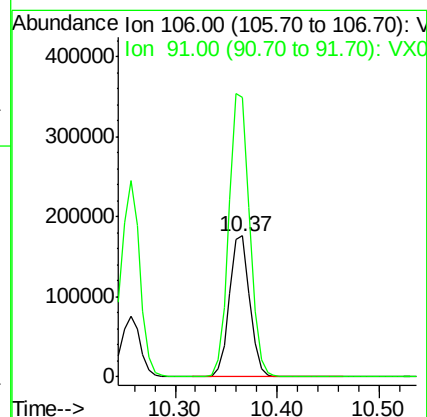
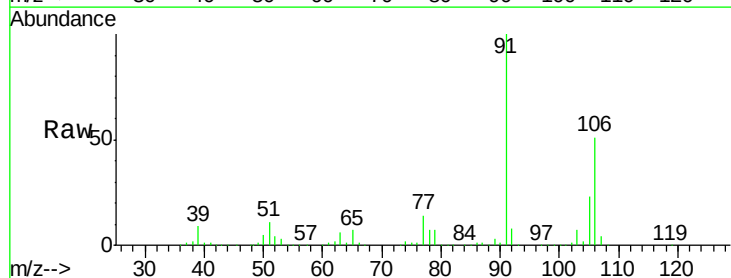
Acq: 04 Jun 2018 23:39

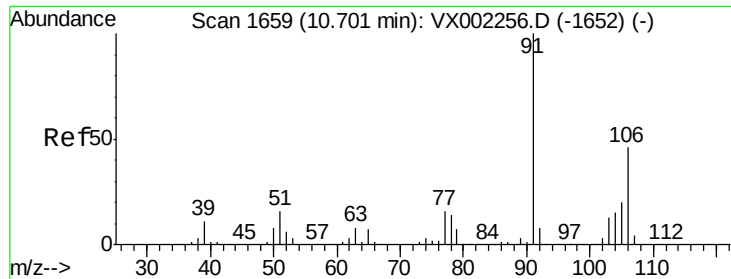
Tgt Ion: 106 Resp: 244263

Ion Ratio Lower Upper

106 100

91 203.2 163.4 245.2

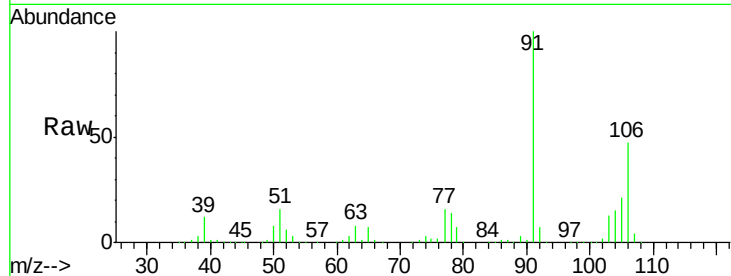




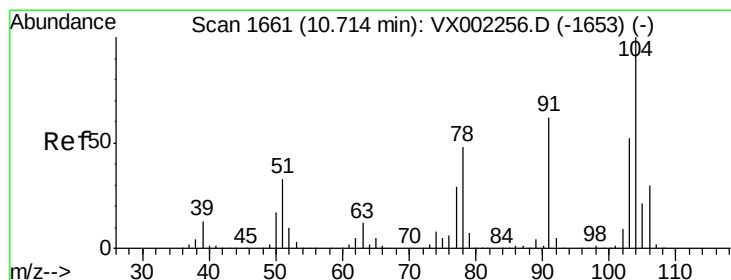
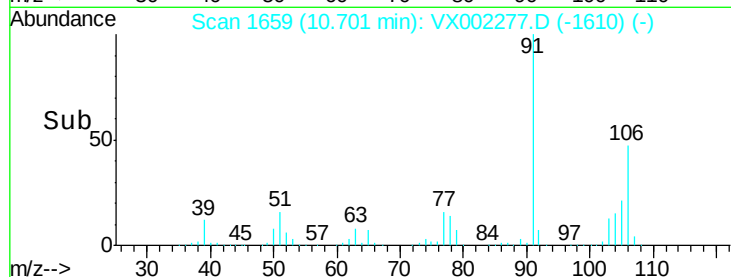
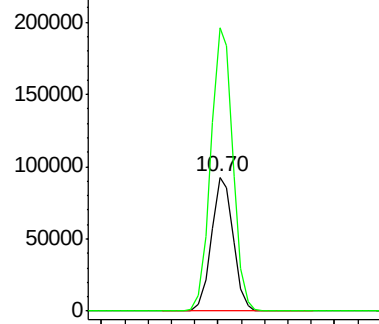
#69
o-Xylene
Concen: 20.12 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Instrument :
MSVOA_X
ClientSampled :
VX0604WBS02

Tot Ion:106 Resp: 121208
Ion Ratio Lower Upper
106 100
91 213.7 108.2 324.6

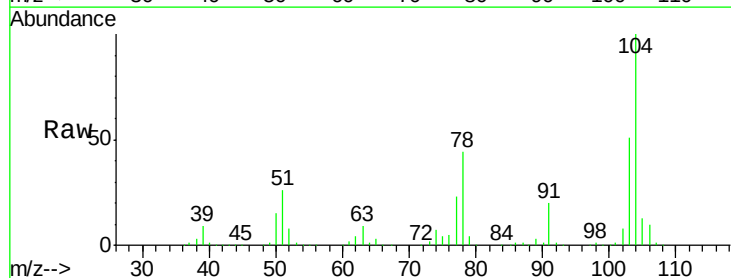


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

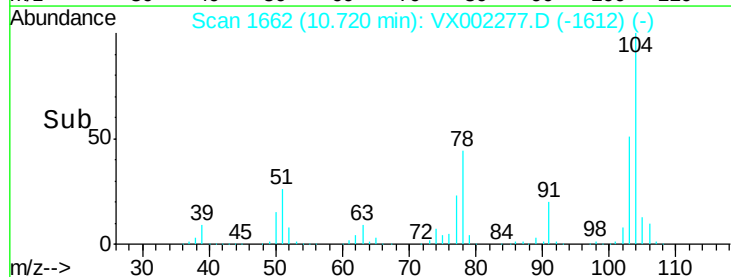
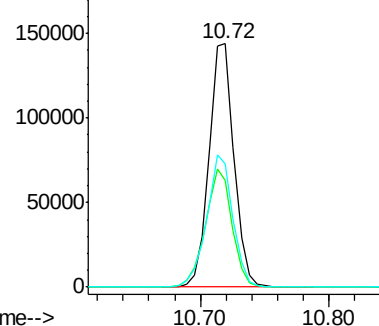


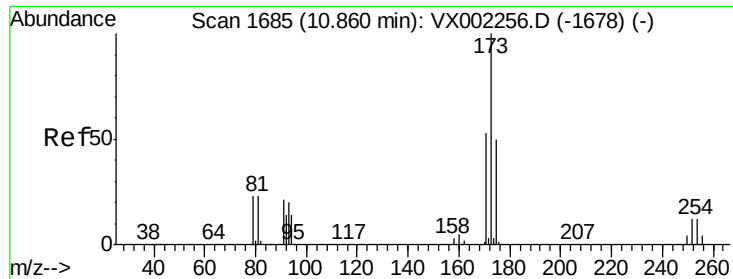
#70
Styrene
Concen: 19.79 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.01 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion:104 Resp: 194823
Ion Ratio Lower Upper
104 100
78 52.2 41.0 61.6
103 57.2 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.36 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

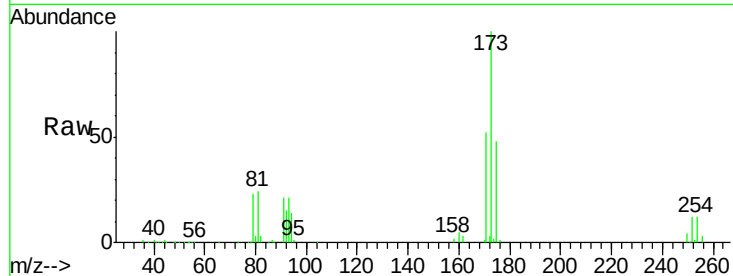
Tot Ion:173 Resp: 45072

Ion Ratio Lower Upper

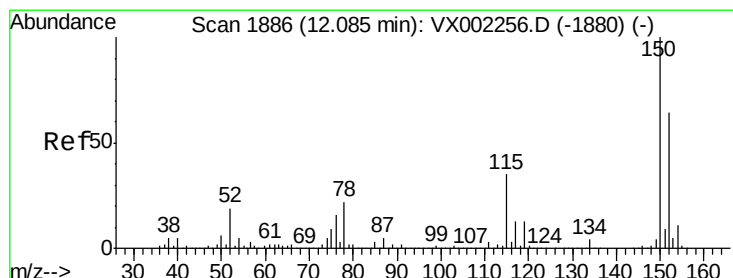
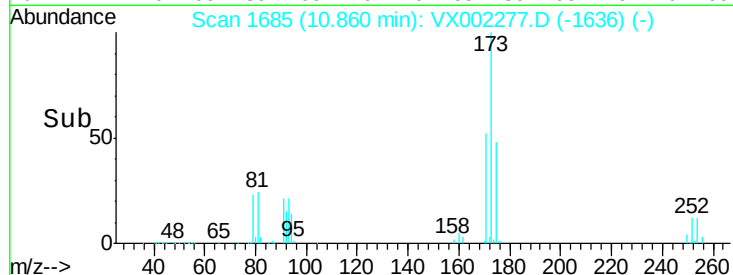
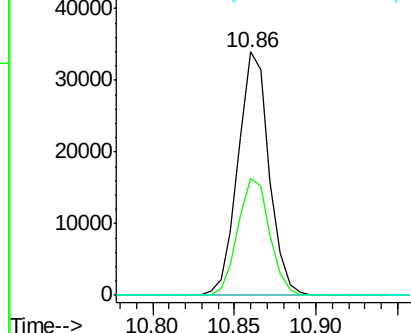
173 100

175 49.0 24.7 74.1

254 0.1 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: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

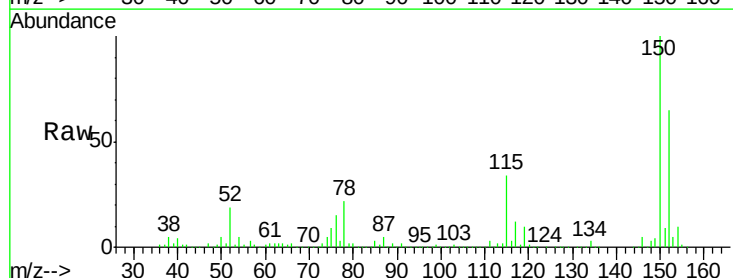
Tgt Ion:152 Resp: 225254

Ion Ratio Lower Upper

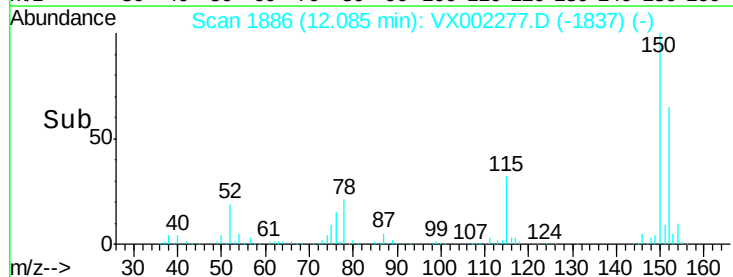
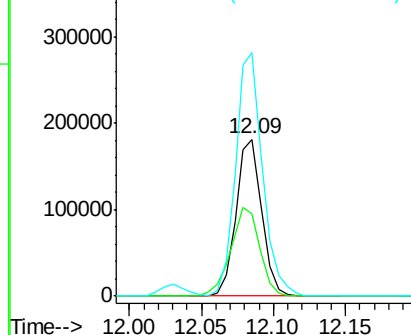
152 100

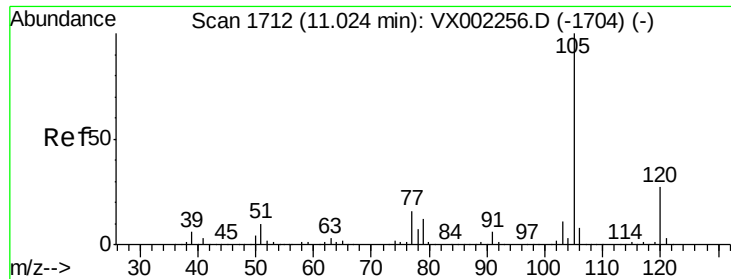
115 64.4 40.1 120.2

150 163.1 0.0 347.2



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





#73

Isopropylbenzene

Concen: 20.65 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

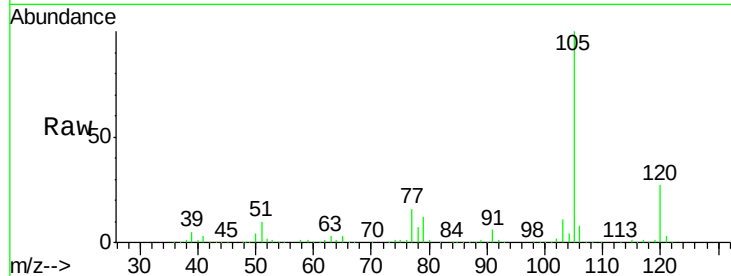
VX0604WBS02

Tot Ion:105 Resp: 323551

Ion Ratio Lower Upper

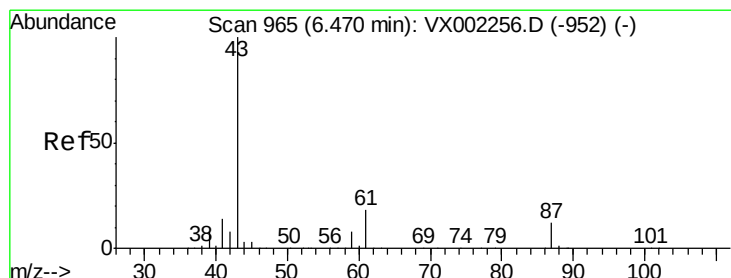
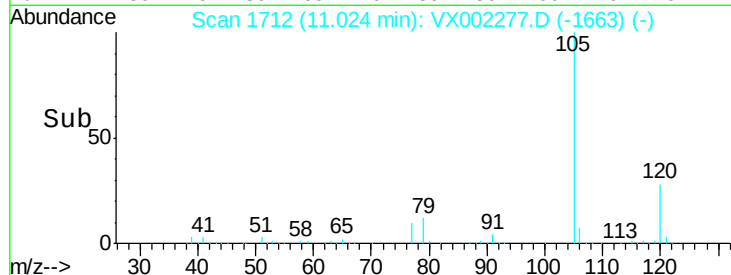
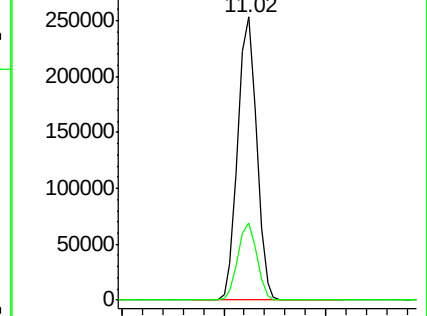
105 100

120 27.2 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.05 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Tgt Ion: 43 Resp: 160850

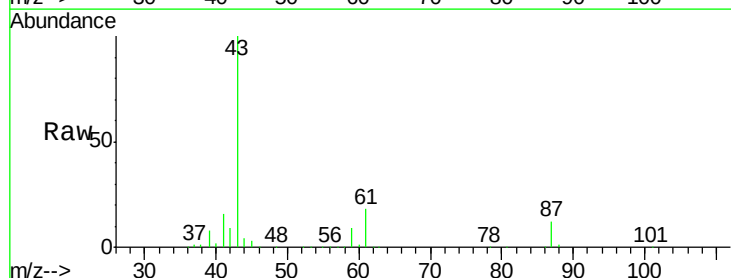
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.0 14.4 21.6

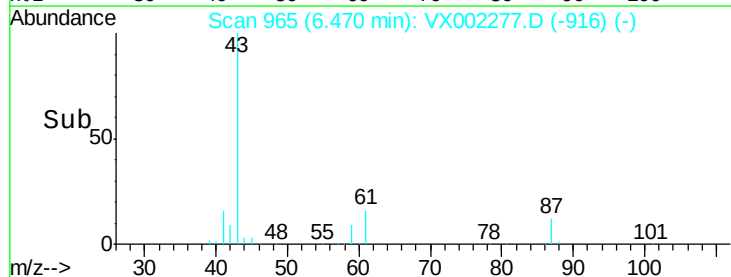
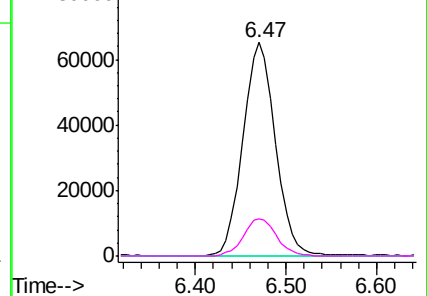


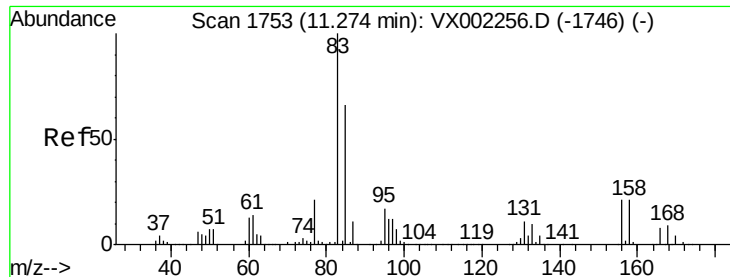
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.20 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

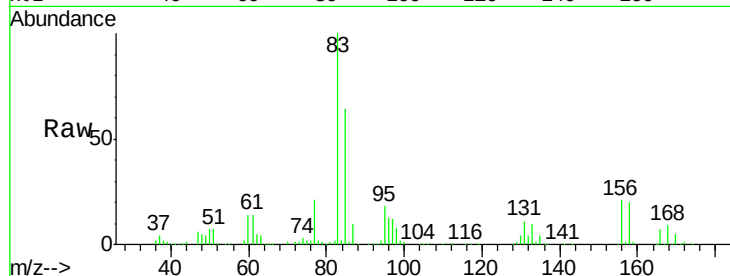
Tot Ion: 83 Resp: 94603

Ion Ratio Lower Upper

83 100

131 10.8 5.6 16.8

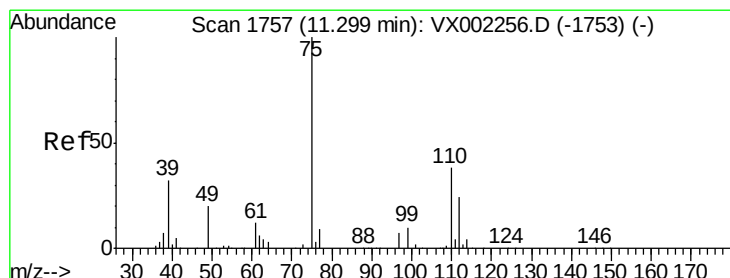
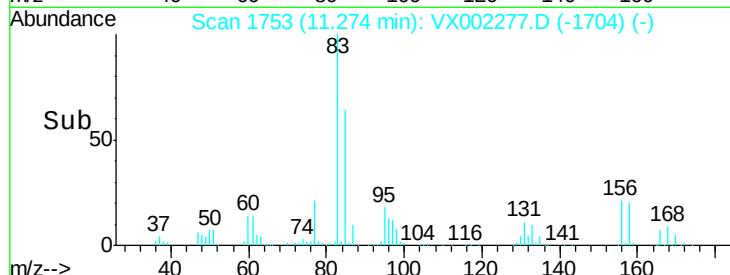
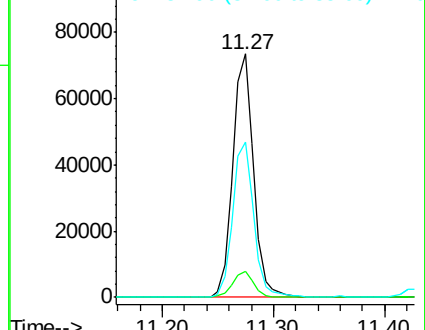
85 65.0 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.57 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX002277.D

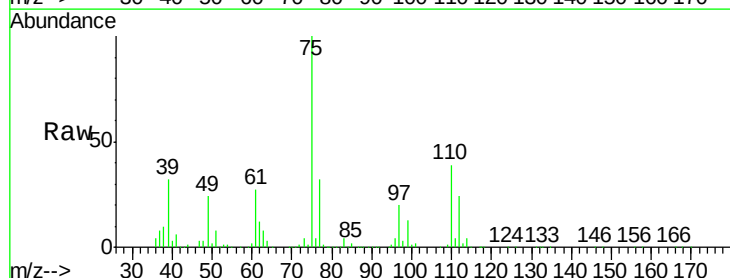
Acq: 04 Jun 2018 23:39

Tgt Ion: 75 Resp: 106604

Ion Ratio Lower Upper

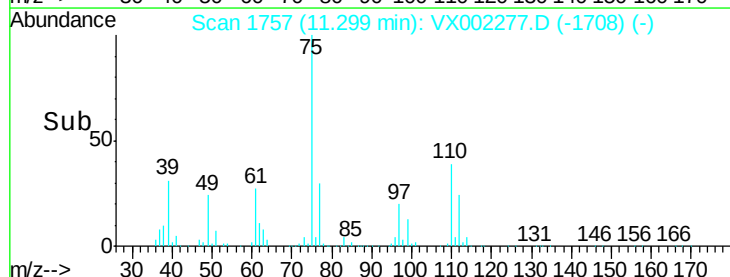
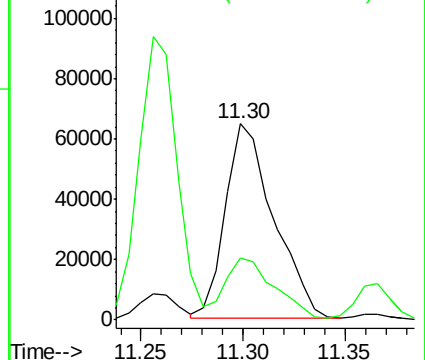
75 100

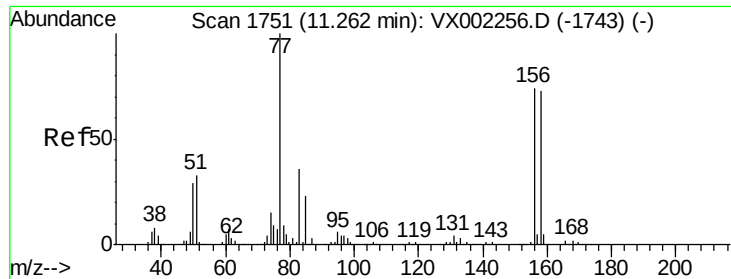
77 32.5 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.96 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

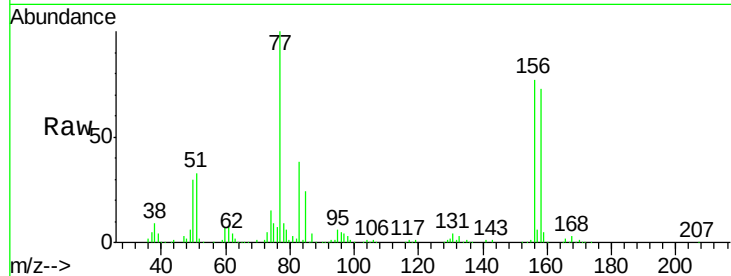
Tot Ion:156 Resp: 87823

Ion Ratio Lower Upper

156 100

77 139.1 71.4 214.2

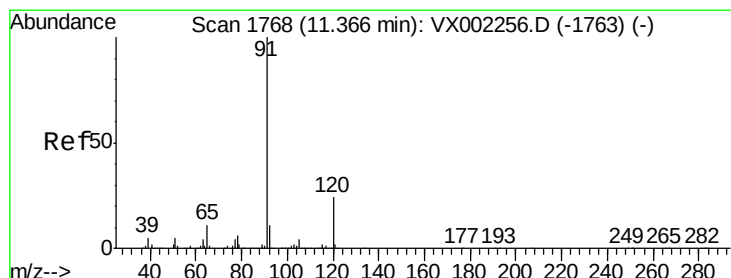
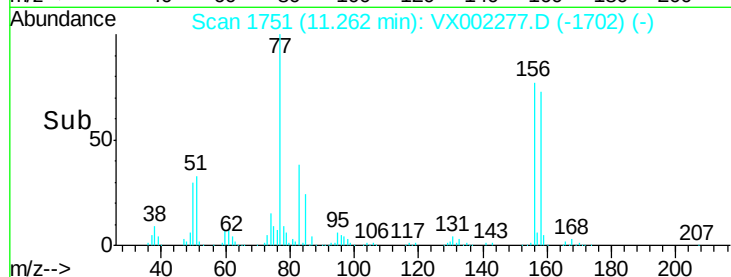
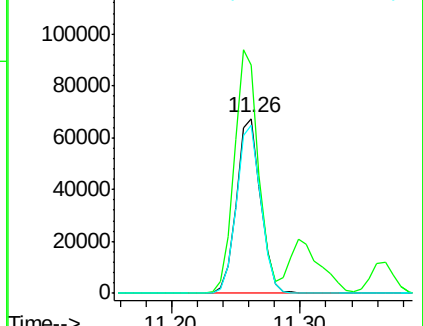
158 96.9 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.89 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002277.D

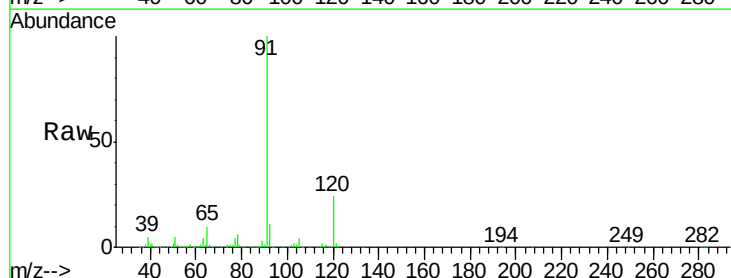
Acq: 04 Jun 2018 23:39

Tgt Ion: 91 Resp: 363891

Ion Ratio Lower Upper

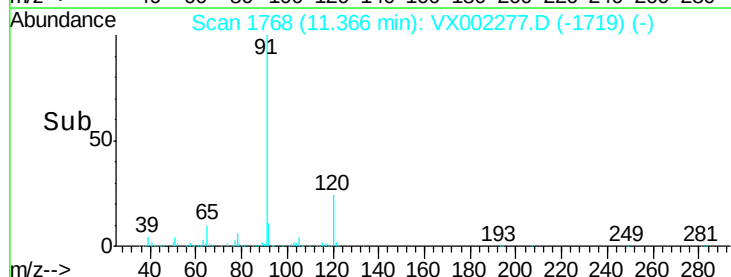
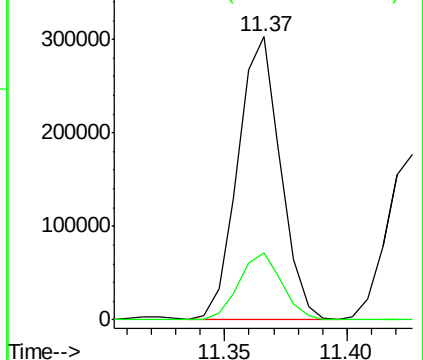
91 100

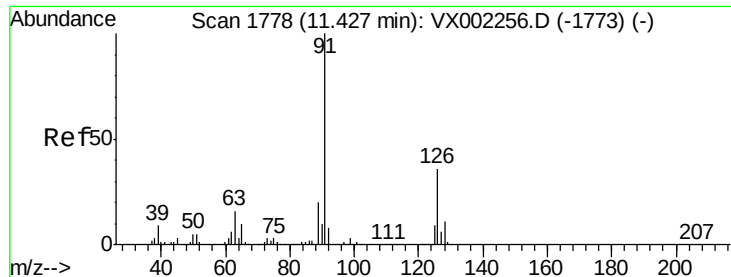
120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.01 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampled :

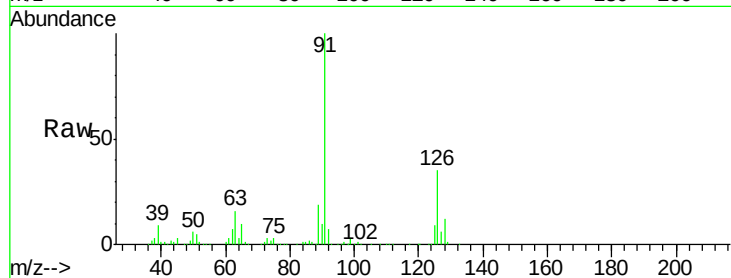
VX0604WBS02

Tot Ion: 91 Resp: 220085

Ion Ratio Lower Upper

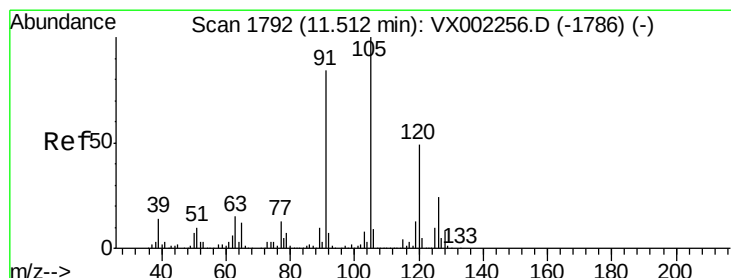
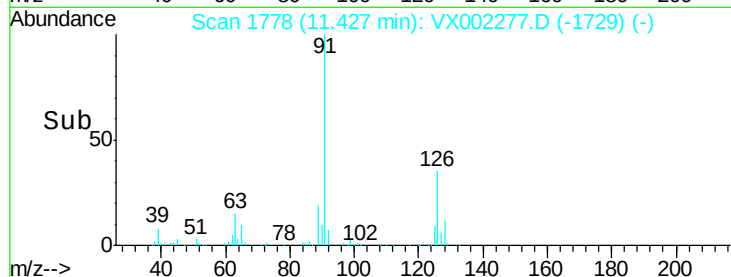
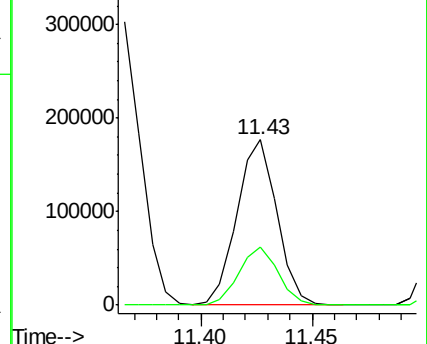
91 100

126 35.2 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.31 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002277.D

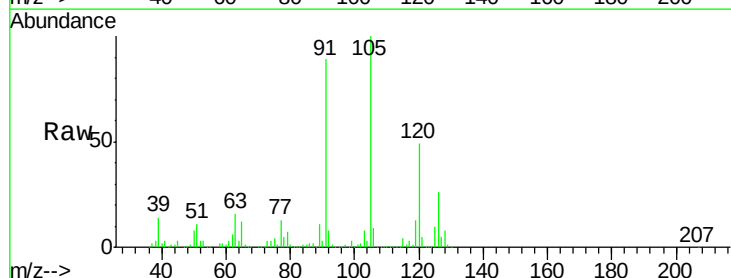
Acq: 04 Jun 2018 23:39

Tgt Ion:105 Resp: 273027

Ion Ratio Lower Upper

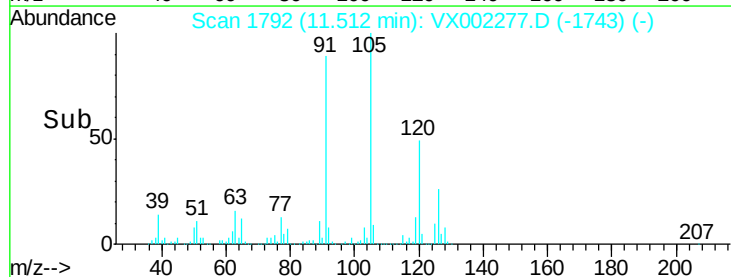
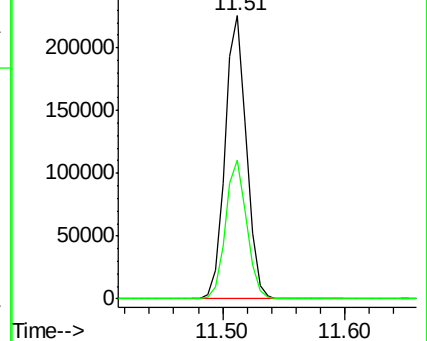
105 100

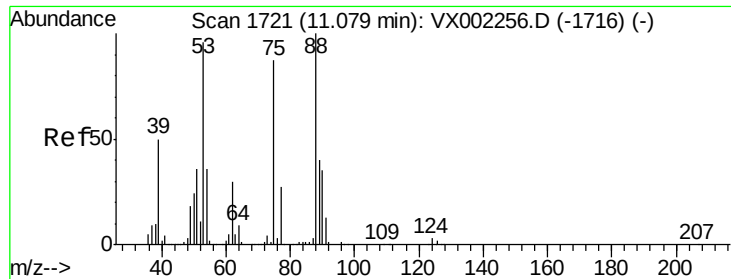
120 48.3 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

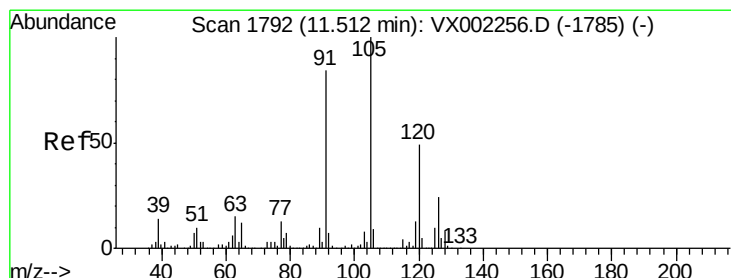
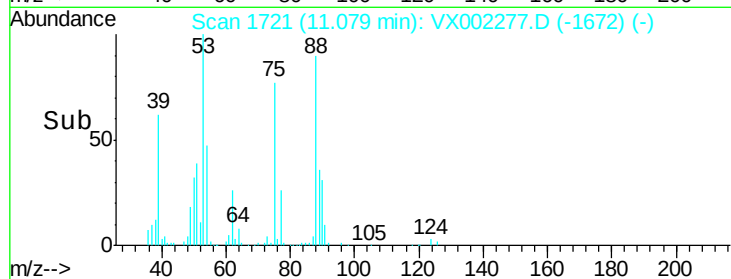
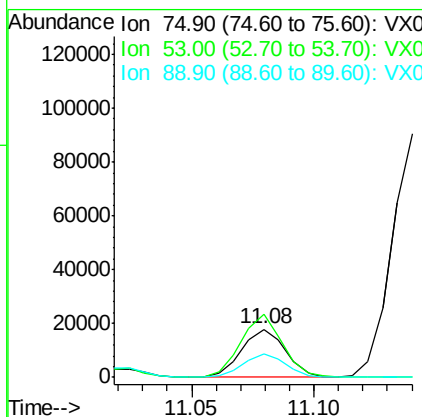
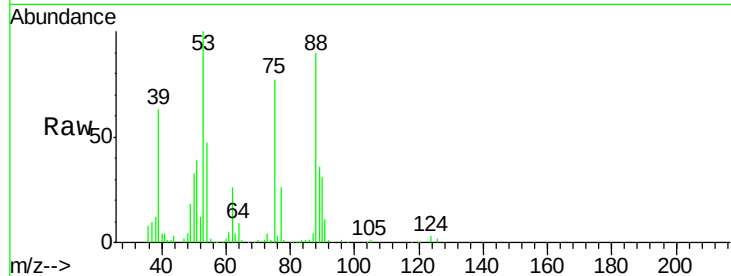




#81
trans-1,4-Dichloro-2-butene
Concen: 15.63 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

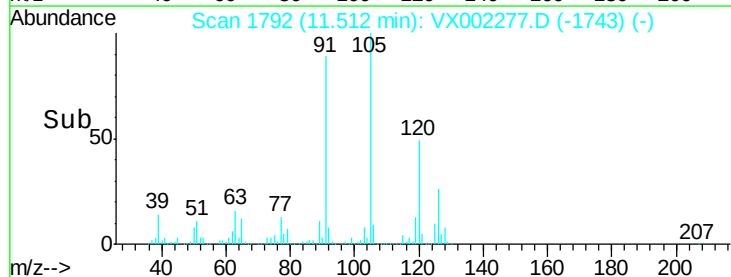
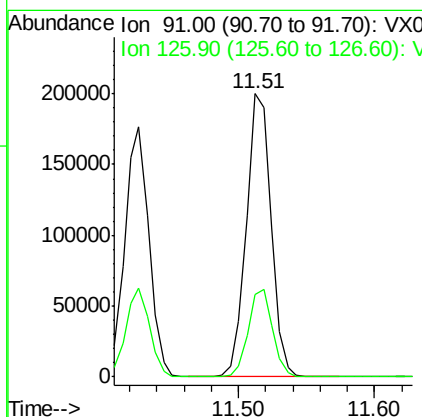
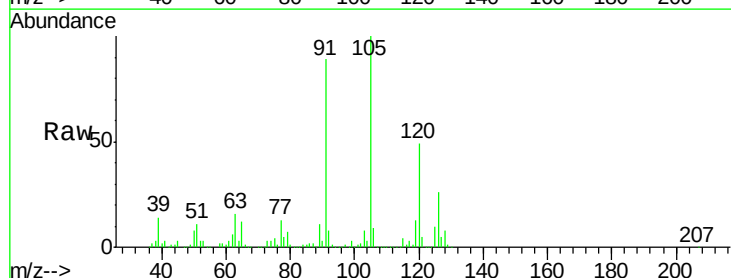
Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS02

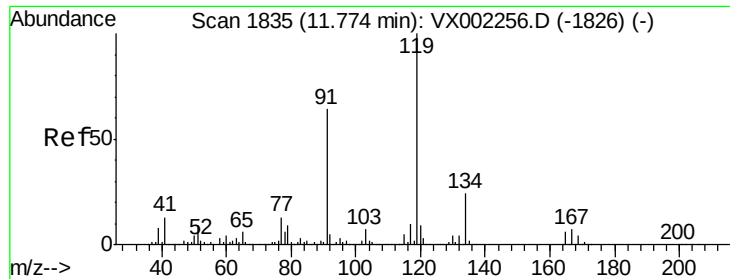
Tot Ion: 75 Resp: 22034
Ion Ratio Lower Upper
75 100
53 123.8 86.8 130.2
89 48.3 38.2 57.2



#82
4-Chlorotoluene
Concen: 20.14 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion: 91 Resp: 255696
Ion Ratio Lower Upper
91 100
126 30.4 15.4 46.4

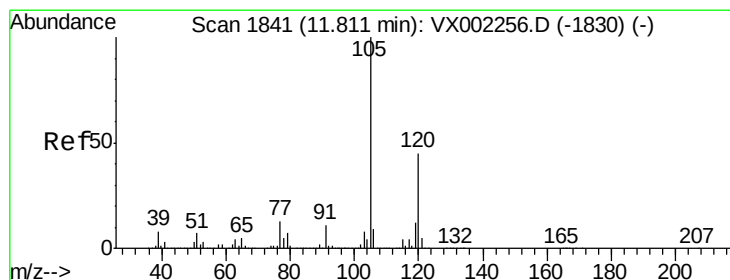
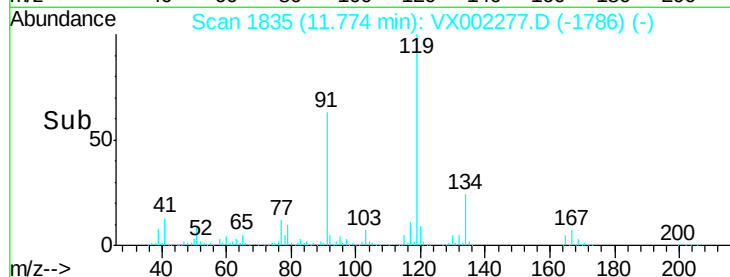
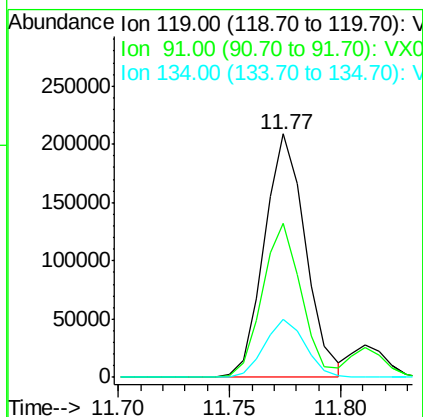
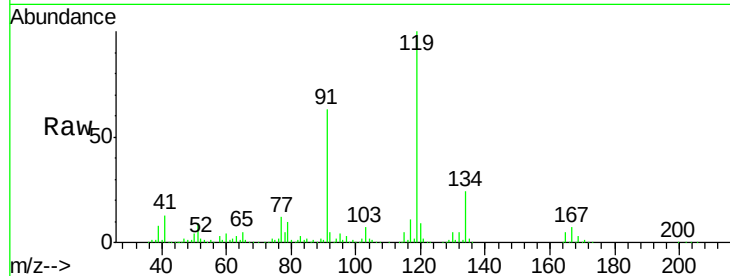




#83
 tert-Butylbenzene
 Concen: 20.41 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

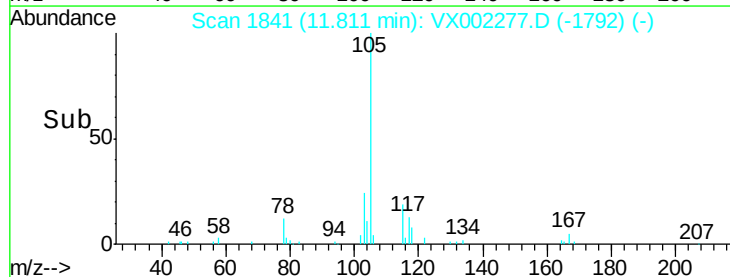
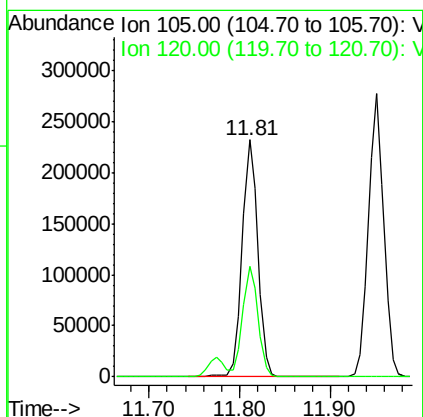
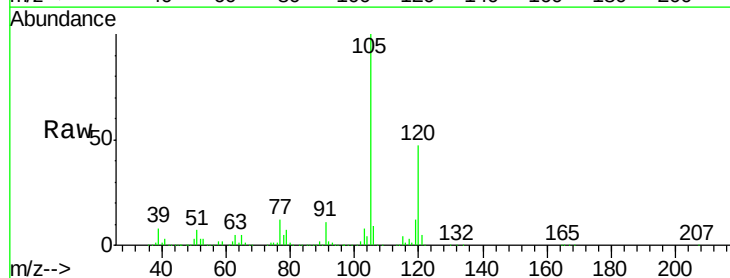
Instrument :
 MSVOA_X
 ClientSampled :
 VX0604WBS02

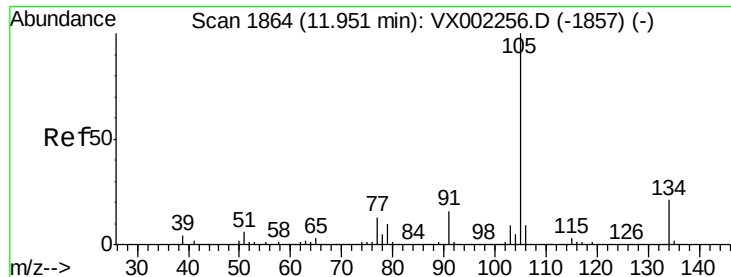
Tot Ion:119 Resp: 267188
 Ion Ratio Lower Upper
 119 100
 91 60.8 30.3 90.9
 134 23.6 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.19 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Tgt Ion:105 Resp: 279269
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.3 66.8





#85

sec-Butylbenzene

Concen: 21.22 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

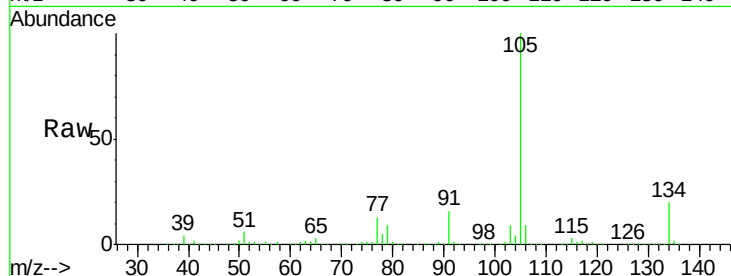
VX0604WBS02

Tot Ion:105 Resp: 325645

Ion Ratio Lower Upper

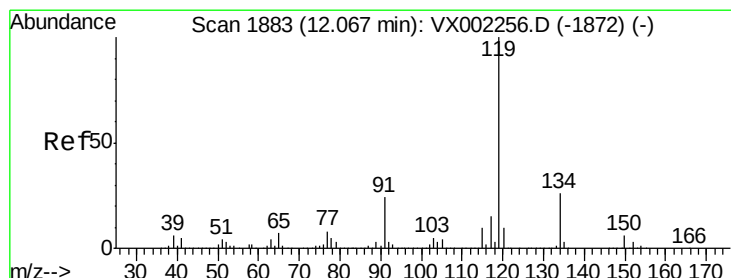
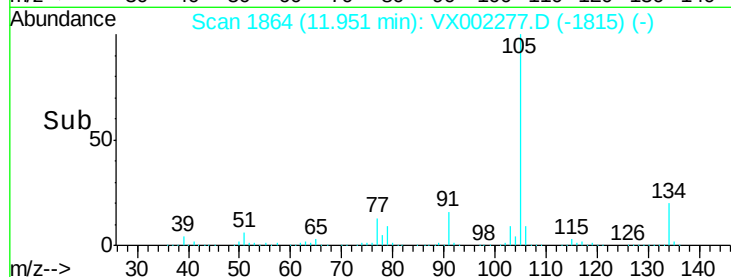
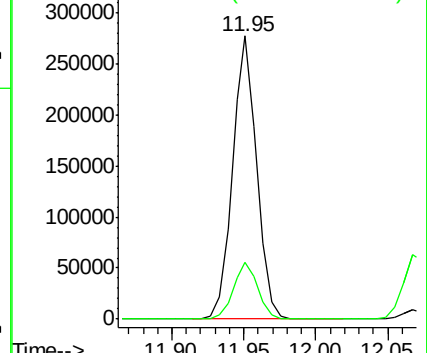
105 100

134 20.3 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: 20.55 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

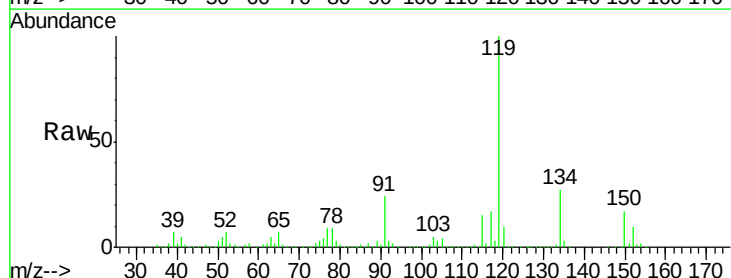
Tgt Ion:119 Resp: 287170

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

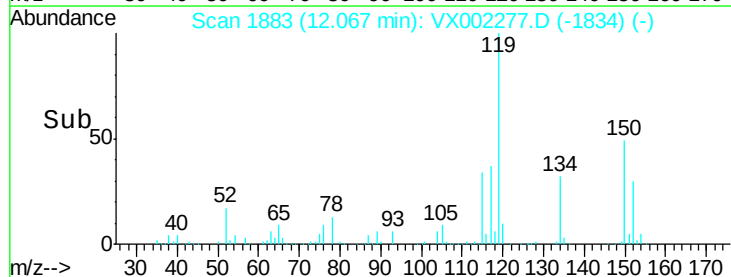
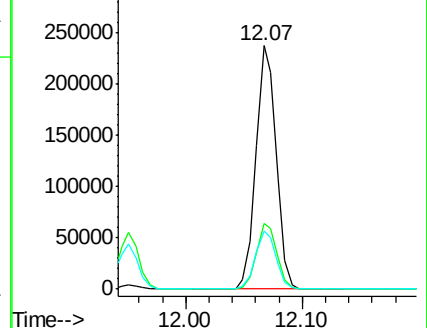
91 24.5 11.9 35.7

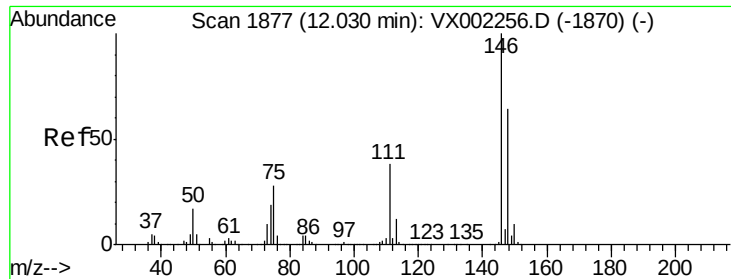


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

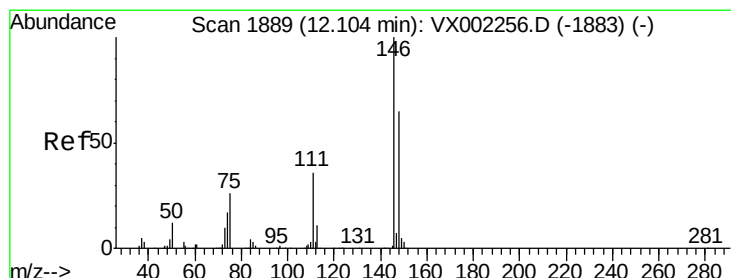
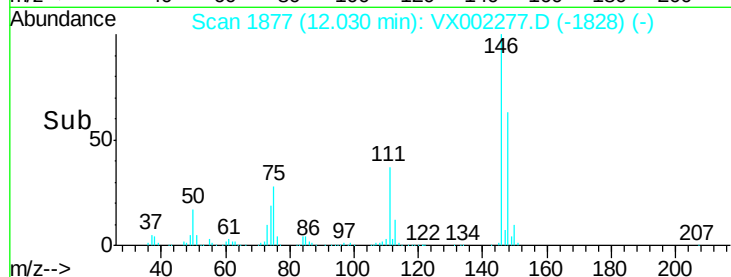
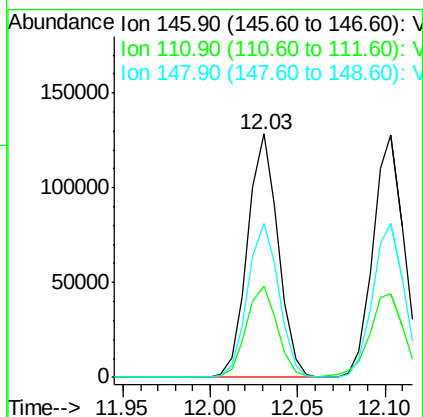
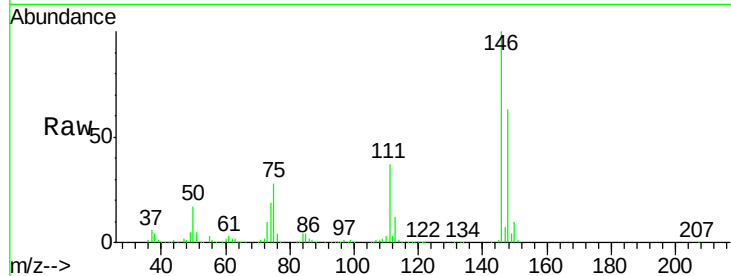




#87
 1,3-Dichlorobenzene
 Concen: 19.83 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

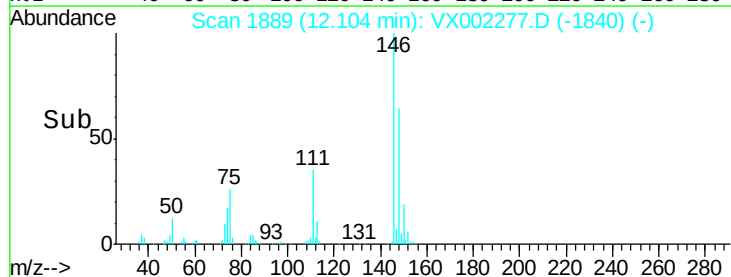
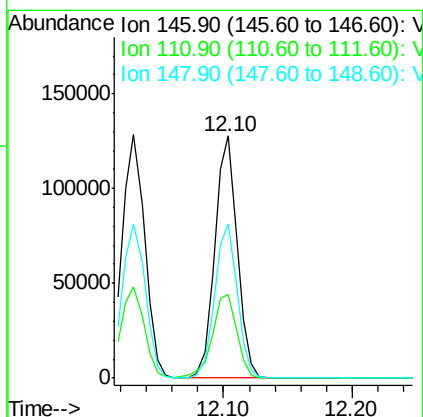
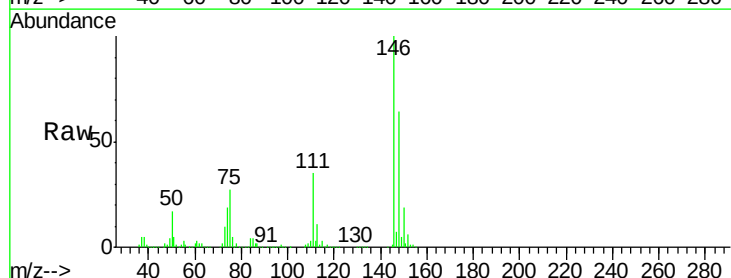
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS02

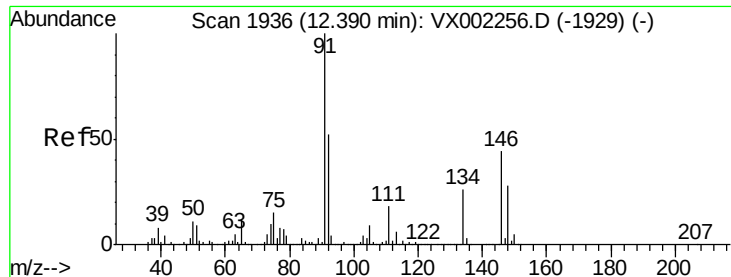
Tot Ion:146 Resp: 156012
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.9 56.7
 148 64.6 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 19.35 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Tgt Ion:146 Resp: 156913
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.7 56.1
 148 64.6 32.4 97.0

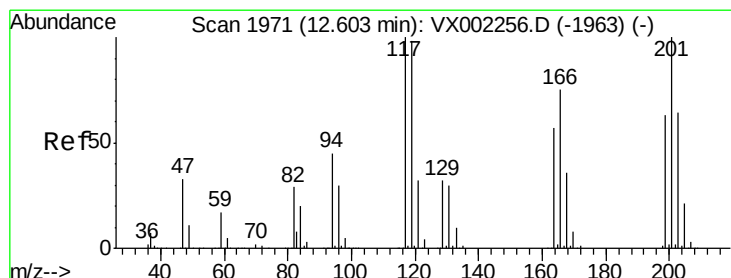
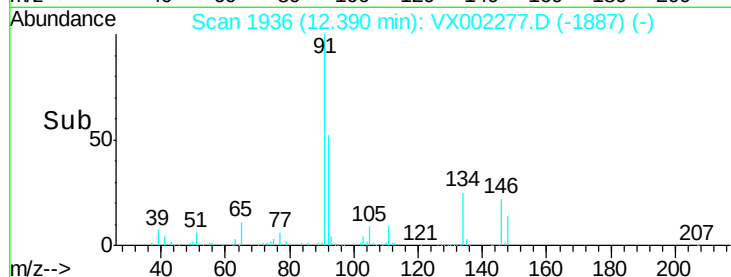
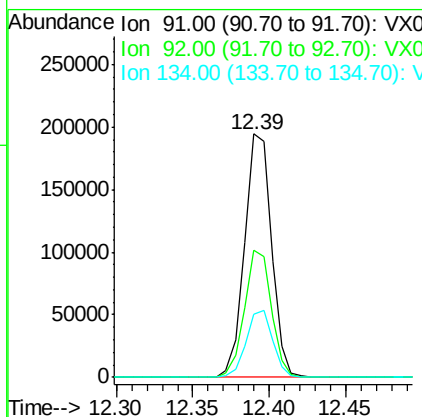
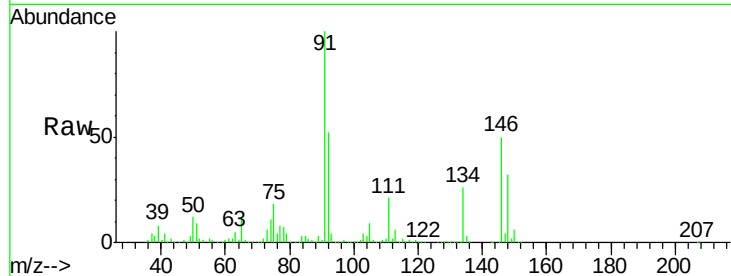




#89
n-Butylbenzene
Concen: 20.29 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

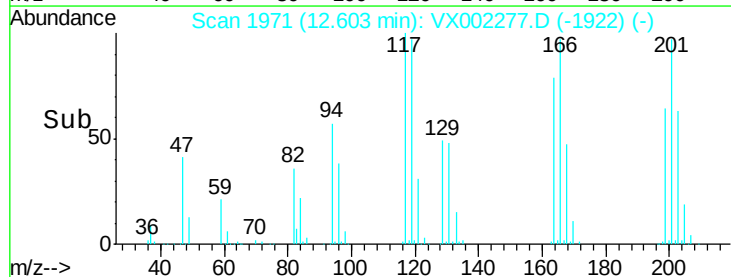
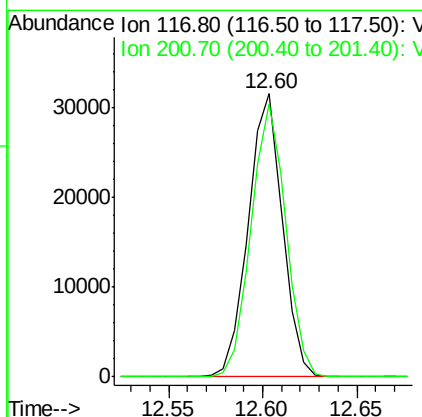
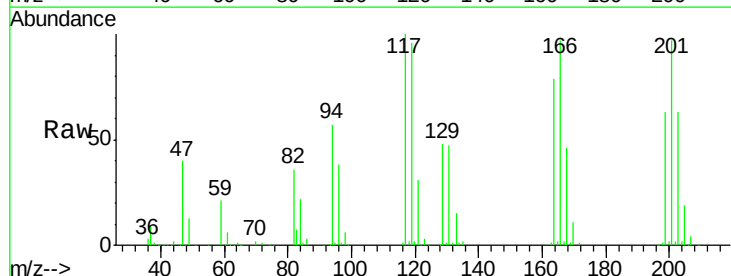
Instrument :
MSVOA_X
ClientSampled :
VX0604WBS02

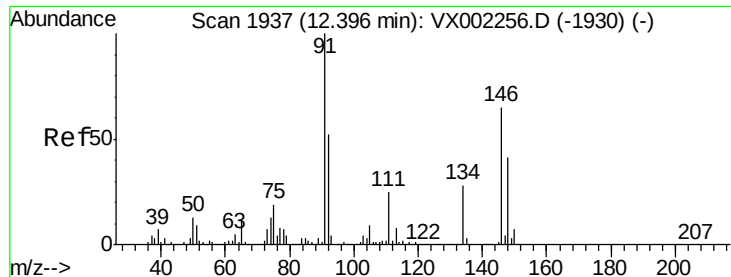
Tot Ion: 91 Resp: 237869
Ion Ratio Lower Upper
91 100
92 51.9 26.0 78.0
134 27.0 13.5 40.5



#90
Hexachloroethane
Concen: 17.83 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX002277.D
Acq: 04 Jun 2018 23:39

Tgt Ion: 117 Resp: 39774
Ion Ratio Lower Upper
117 100
201 97.3 49.0 147.0

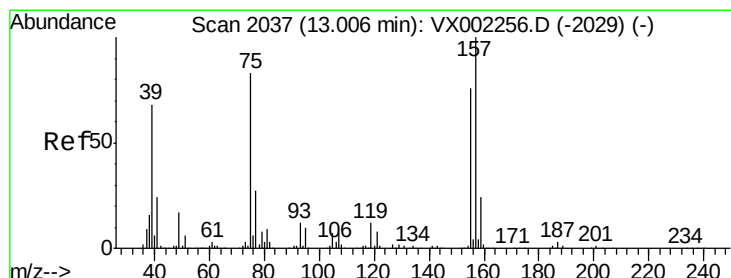
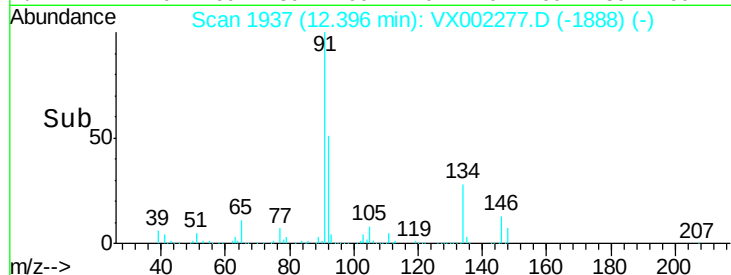
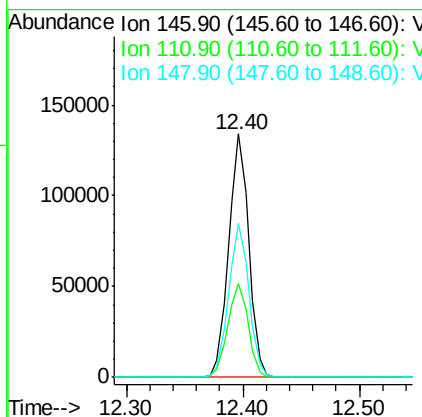
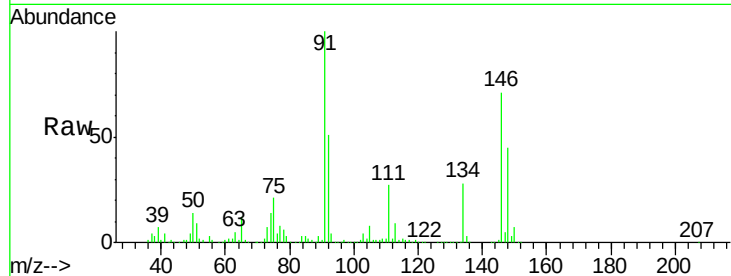




#91
 1,2-Dichlorobenzene
 Concen: 19.81 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

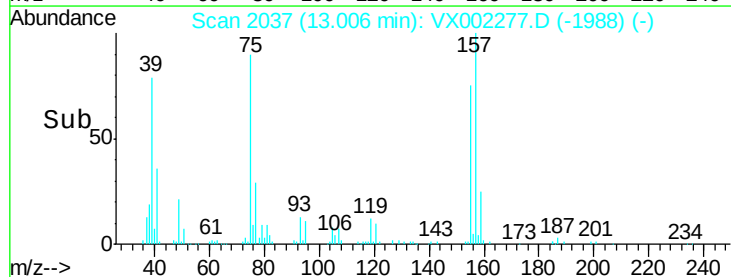
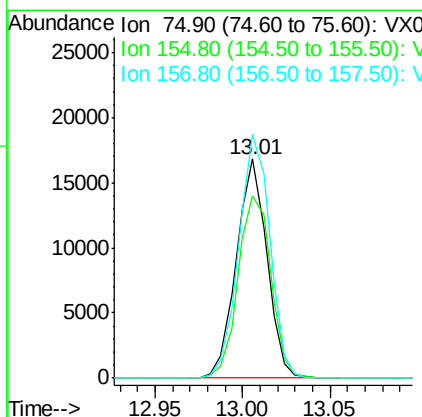
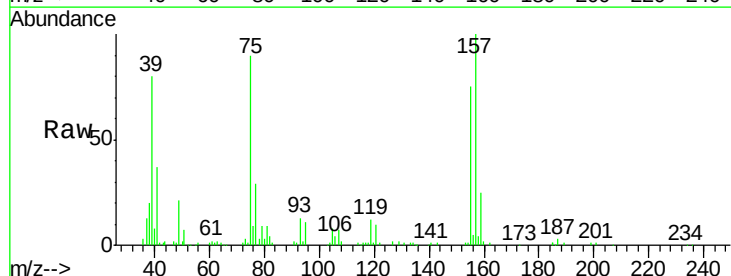
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS02

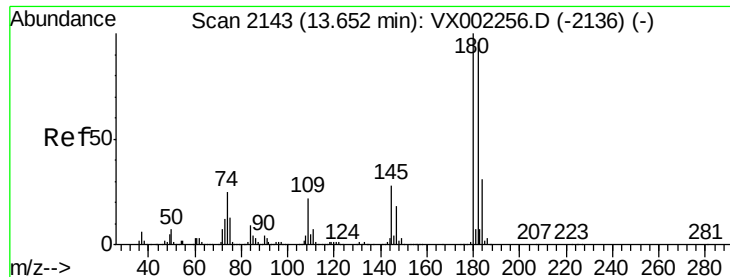
Tot Ion:146 Resp: 161216
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.4 58.1
 148 63.7 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.00 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Tgt Ion: 75 Resp: 20479
 Ion Ratio Lower Upper
 75 100
 155 89.5 45.8 137.4
 157 113.4 60.1 180.3

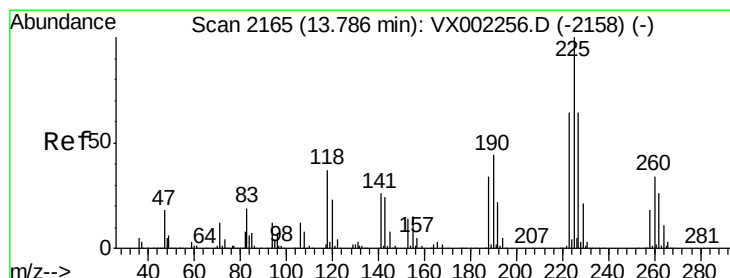
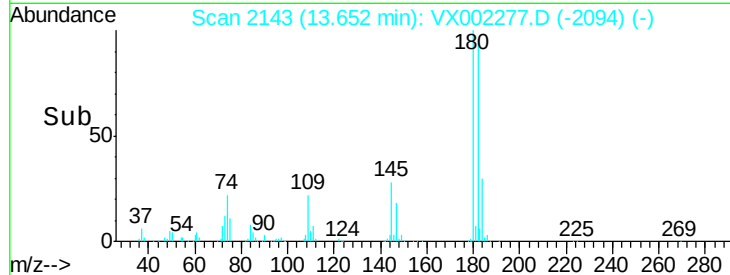
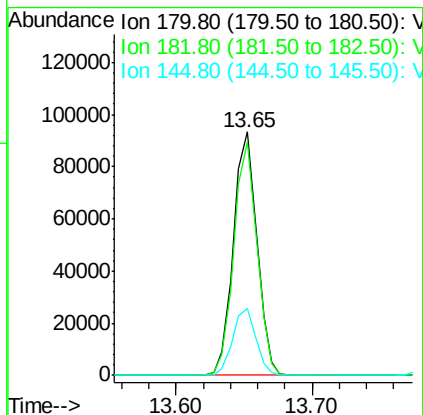
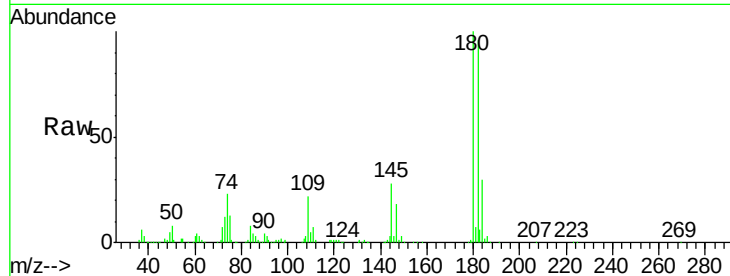




#93
 1,2,4-Trichlorobenzene
 Concen: 19.73 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

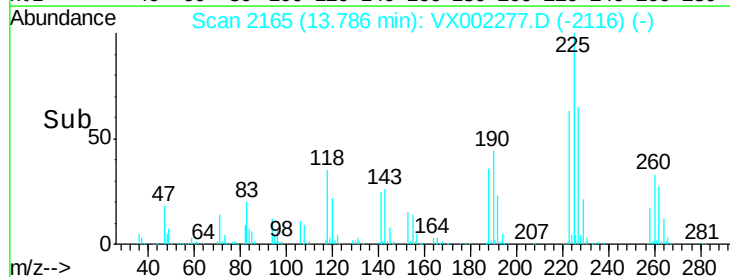
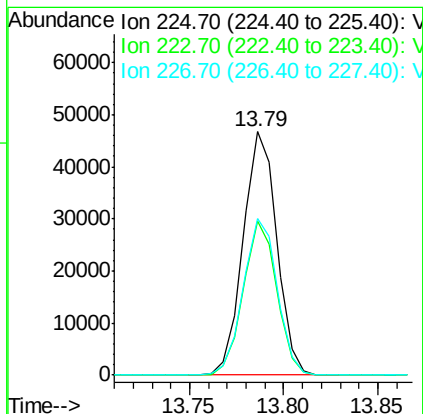
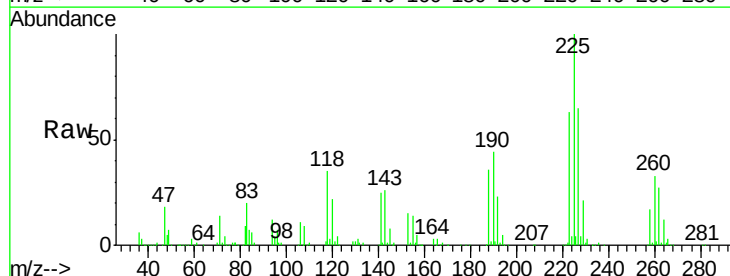
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0604WBS02

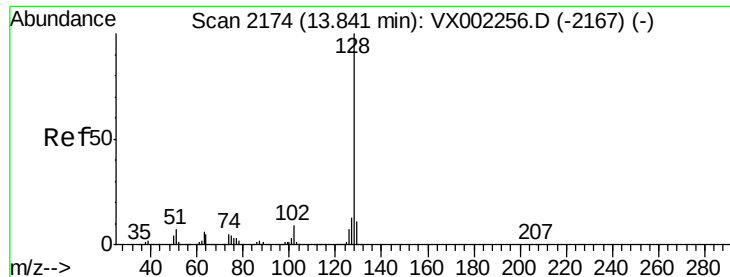
Tot Ion:180 Resp: 112575
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.7 143.1
 145 27.5 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 20.50 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002277.D
 Acq: 04 Jun 2018 23:39

Tgt Ion:225 Resp: 57818
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.6 95.0
 227 65.3 32.4 97.2





#95

Naphthalene

Concen: 20.19 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0604WBS02

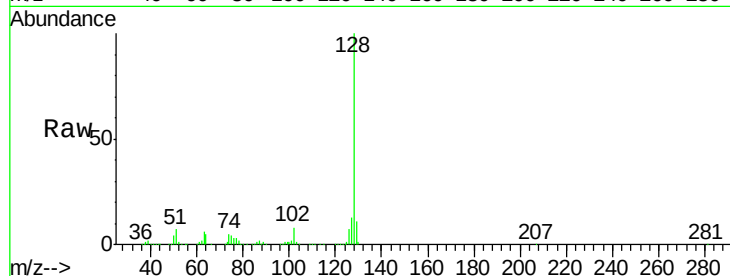
Tot Ion:128 Resp: 331028

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

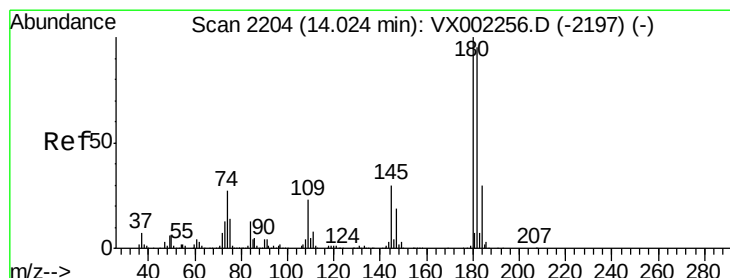
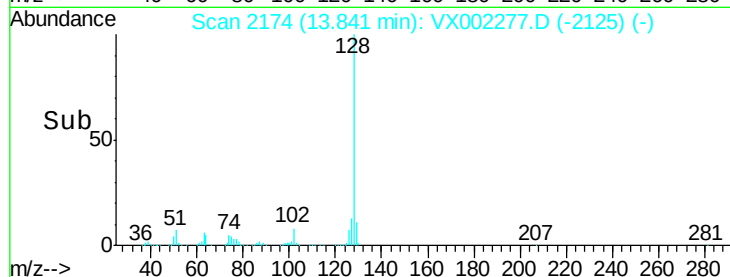
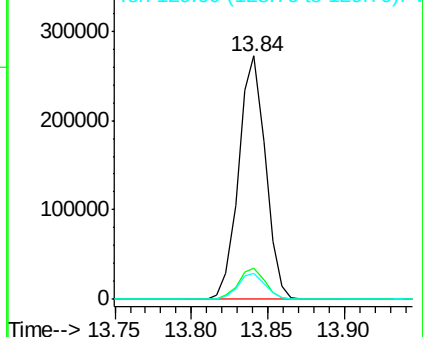
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.05 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002277.D

Acq: 04 Jun 2018 23:39

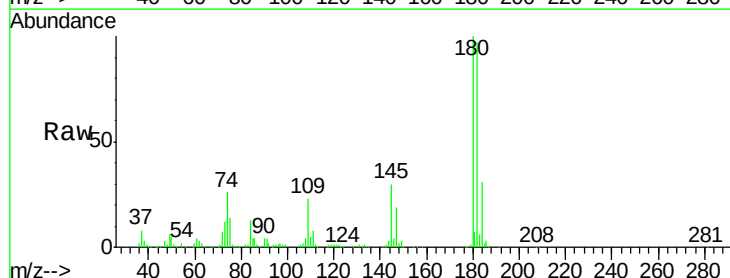
Tgt Ion:180 Resp: 116703

Ion Ratio Lower Upper

180 100

182 95.8 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

