

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060518\
 Data File : VX002323.D
 Acq On : 05 Jun 2018 23:57
 Operator : JC/MD
 Sample : VX0605WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605WBS02

Quant Time: Jun 06 04:36:56 2018
 Quant Method : Z:\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	195736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	333482	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	329252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	195780	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	154653	55.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.28%	
35) Dibromofluoromethane	5.51	113	111606	42.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.12%	
50) Toluene-d8	8.72	98	424826	42.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.52%	
62) 4-Bromofluorobenzene	11.14	95	157726	40.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	29421	14.46	ug/l	99
3) Chloromethane	1.32	50	52249	20.73	ug/l	97
4) Vinyl Chloride	1.41	62	49892	19.46	ug/l	100
5) Bromomethane	1.64	94	38532	24.87	ug/l	99
6) Chloroethane	1.72	64	36759	22.16	ug/l	100
7) Trichlorofluoromethane	1.92	101	69734	17.85	ug/l	98
8) Diethyl Ether	2.19	74	37193	25.62	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	33589	15.93	ug/l	99
10) Methyl Iodide	2.51	142	59389	20.03	ug/l	100
11) Tert butyl alcohol	3.08	59	76336	123.02	ug/l	97
12) 1,1-Dichloroethene	2.37	96	40555	19.46	ug/l	98
13) Acrolein	2.30	56	34751	119.96	ug/l	98
14) Allyl chloride	2.73	41	91236	20.18	ug/l	99
15) Acrylonitrile	3.15	53	162175	131.55	ug/l	100
16) Acetone	2.45	43	154311	118.07	ug/l	99
17) Carbon Disulfide	2.57	76	88068	16.04	ug/l	99
18) Methyl Acetate	2.78	43	79019	26.93	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	191476	25.20	ug/l	98
20) Methylene Chloride	2.86	84	58283	24.95	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	48028	20.90	ug/l	99
22) Diisopropyl ether	3.88	45	172683	22.03	ug/l	97
23) Vinyl Acetate	3.83	43	745778	101.73	ug/l	100
24) 1,1-Dichloroethane	3.70	63	101736	22.76	ug/l	100
25) 2-Butanone	4.71	43	207966	108.36	ug/l	100
26) 2,2-Dichloropropane	4.59	77	49381	14.13	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	51665	20.67	ug/l	98
28) Bromochloromethane	5.02	49	46996	22.79	ug/l	99
29) Tetrahydrofuran	5.17	42	136716	110.49	ug/l	100
30) Chloroform	5.22	83	91287	21.17	ug/l	99
31) Cyclohexane	5.57	56	51361	14.53	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	68602	18.76	ug/l	98
36) 1,1-Dichloropropene	5.80	75	56070	15.99	ug/l	99
37) Ethyl Acetate	4.87	43	82893	19.66	ug/l	100
38) Carbon Tetrachloride	5.79	117	54202	14.78	ug/l	99

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Instrument :
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 ClientSampleId :
 VX0605WBS02

Quant Time: Jun 06 04:36:56 2018
 Quant Method : Z:\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)
39) Methylcyclohexane	7.46	83	47830	11.25	ug/l	98
40) Benzene	6.15	78	197152	18.34	ug/l	100
41) Methacrylonitrile	5.07	41	45877	19.01	ug/l	98
42) 1,2-Dichloroethane	6.20	62	83960	19.66	ug/l	99
43) Isopropyl Acetate	6.47	43	131792	18.40	ug/l	100
44) Trichloroethene	7.22	130	53221	17.84	ug/l	100
45) 1,2-Dichloropropane	7.52	63	53900	18.57	ug/l	99
46) Dibromomethane	7.67	93	37141	18.88	ug/l	98
47) Bromodichloromethane	7.90	83	61064	17.16	ug/l	99
48) Methyl methacrylate	7.79	41	66868	18.59	ug/l	99
49) 1,4-Dioxane	7.76	88	28107	417.90	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	444059	99.57	ug/l	100
52) Toluene	8.79	92	125808	18.40	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	70173	16.45	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	64401	16.00	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	54247	19.29	ug/l	98
56) Ethyl methacrylate	9.18	69	81582	18.17	ug/l	99
57) 1,3-Dichloropropane	9.38	76	92076	19.52	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	192830	92.80	ug/l	99
59) 2-Hexanone	9.50	43	341113	99.03	ug/l	100
60) Dibromochloromethane	9.59	129	48692	17.22	ug/l	98
61) 1,2-Dibromoethane	9.68	107	56076	19.13	ug/l	99
64) Tetrachloroethene	9.34	164	55403	16.32	ug/l	97
65) Chlorobenzene	10.14	112	146197	17.84	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	51488	17.36	ug/l	98
67) Ethyl Benzene	10.26	91	238701	17.41	ug/l	100
68) m/p-Xylenes	10.37	106	184259	34.57	ug/l	100
69) o-Xylene	10.70	106	92449	17.43	ug/l	98
70) Styrene	10.71	104	153927	17.75	ug/l	99
71) Bromoform	10.86	173	34991	15.72	ug/l #	99
73) Isopropylbenzene	11.02	105	235840	17.32	ug/l	99
74) N-amyl acetate	6.47	43	131792	17.96	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	81171	18.95	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	89684	20.88	ug/l	80
77) Bromobenzene	11.26	156	68967	18.04	ug/l	99
78) n-propylbenzene	11.37	91	258030	17.05	ug/l	99
79) 2-Chlorotoluene	11.43	91	168966	17.68	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	204138	17.48	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	16228	13.24	ug/l #	83
82) 4-Chlorotoluene	11.51	91	195386	17.71	ug/l	99
83) tert-Butylbenzene	11.77	119	192432	16.92	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	215199	17.90	ug/l	100
85) sec-Butylbenzene	11.95	105	219342	16.45	ug/l	100
86) p-Isopropyltoluene	12.07	119	198519	16.34	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	120299	17.60	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	123517	17.53	ug/l	99
89) n-Butylbenzene	12.39	91	154039	15.12	ug/l	99
90) Hexachloroethane	12.60	117	27760	14.32	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	129078	18.25	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16126	17.22	ug/l	99

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Instrument :
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ClientSampleId :
VX0605WBS02

Quant Time: Jun 06 04:36:56 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

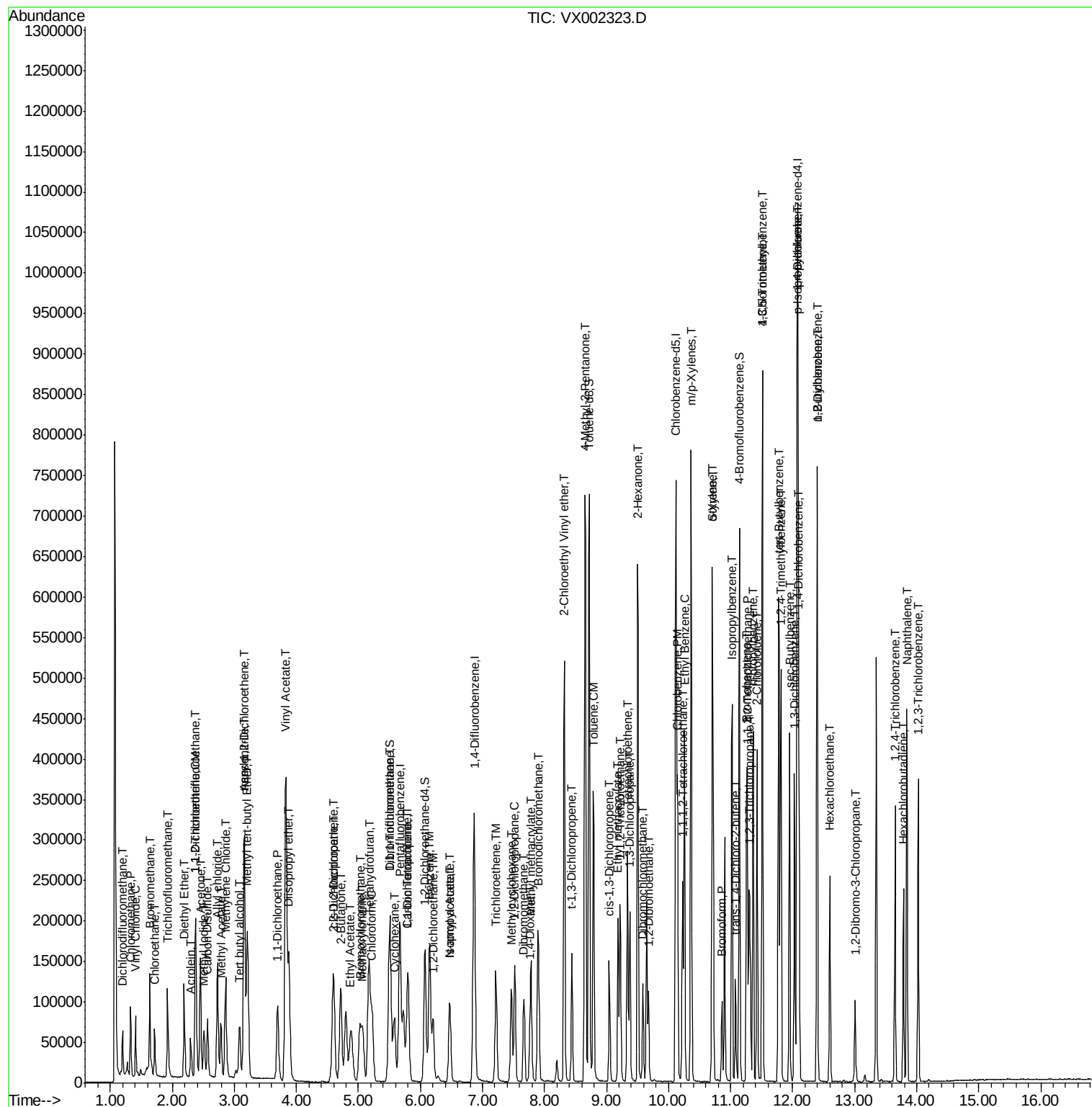
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	81267	16.39	ug/l	98
94) Hexachlorobutadiene	13.79	225	34798	14.20	ug/l	99
95) Naphthalene	13.84	128	264547	18.56	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	89037	17.60	ug/l	99

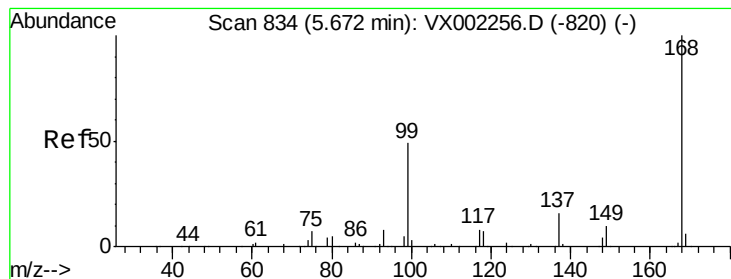
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampleId :

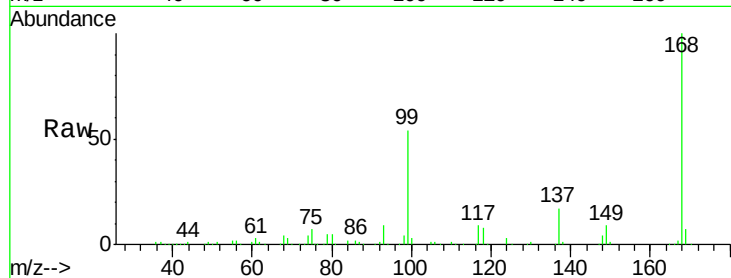
VX0605WBS02

Tot Ion:168 Resp: 195736

Ion Ratio Lower Upper

168 100

99 53.4 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

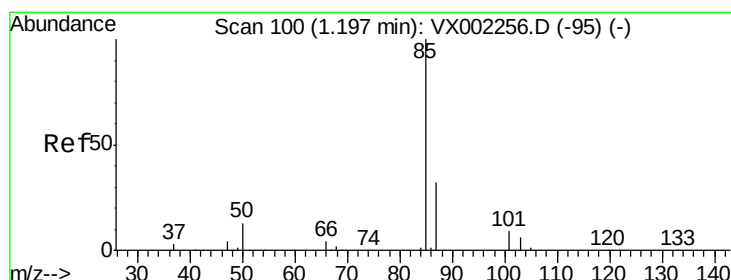
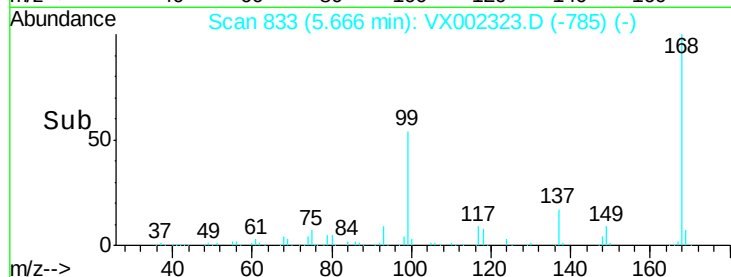
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 14.46 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002323.D

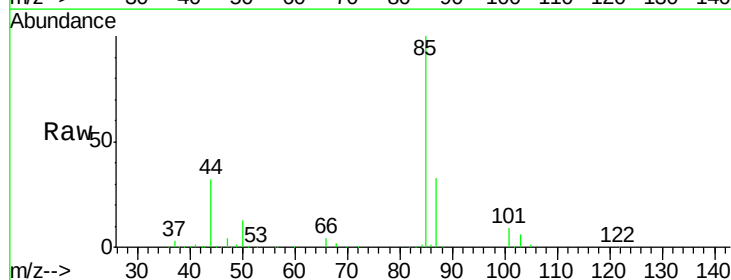
Acq: 05 Jun 2018 23:57

Tgt Ion: 85 Resp: 29421

Ion Ratio Lower Upper

85 100

87 32.6 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

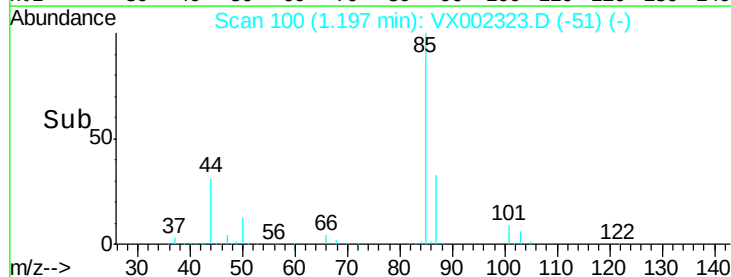
30000

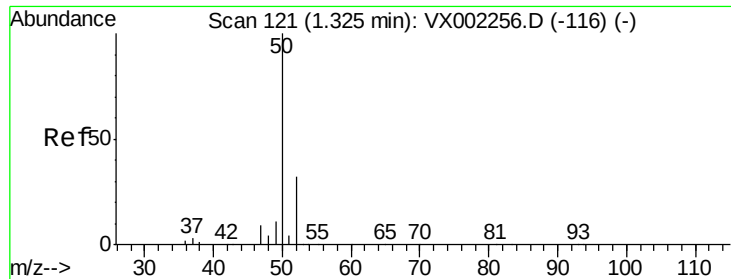
20000

10000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 20.73 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampleId :

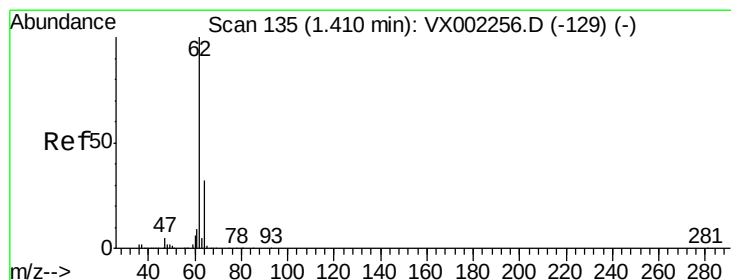
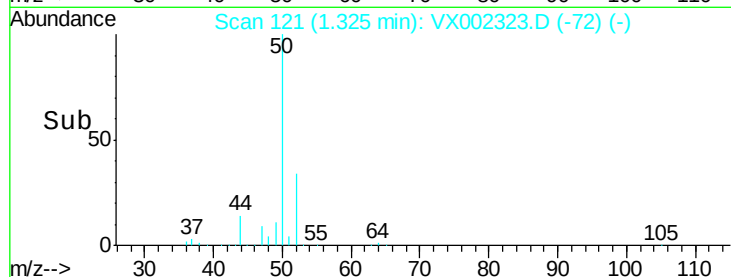
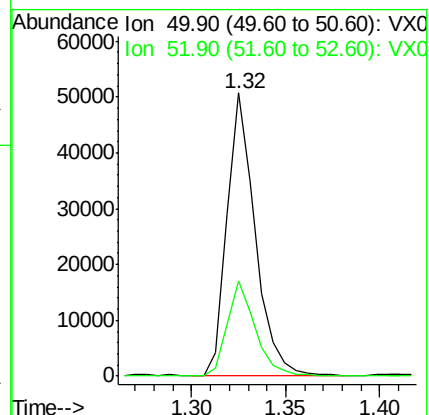
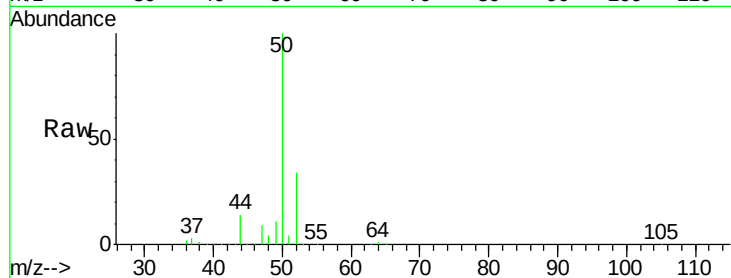
VX0605WBS02

Tot Ion: 50 Resp: 52249

Ion Ratio Lower Upper

50 100

52 33.7 25.7 38.5



#4

Vinyl Chloride

Concen: 19.46 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX002323.D

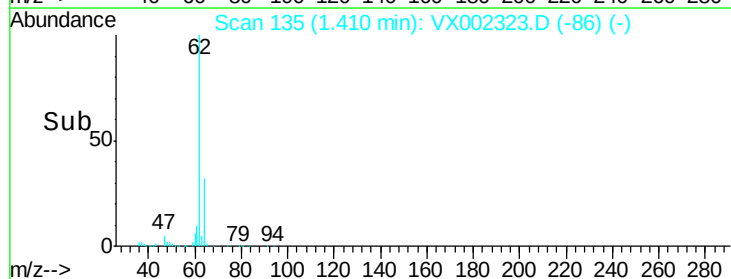
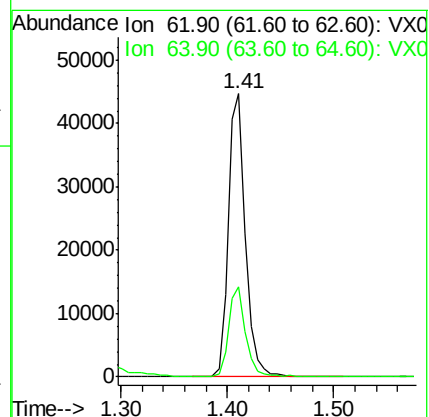
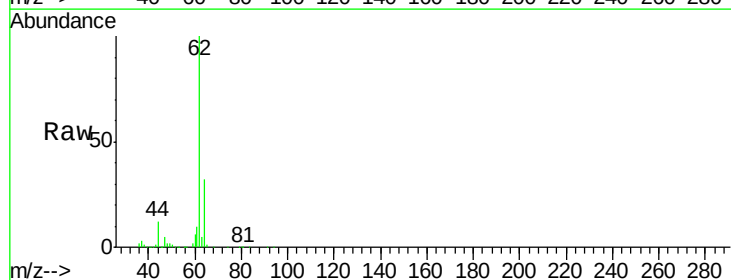
Acq: 05 Jun 2018 23:57

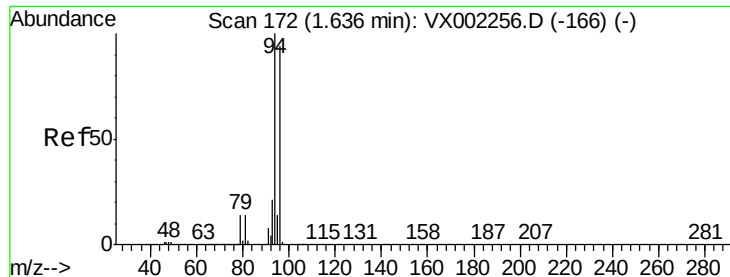
Tgt Ion: 62 Resp: 49892

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2





#5

Bromomethane

Concen: 24.87 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampleId :

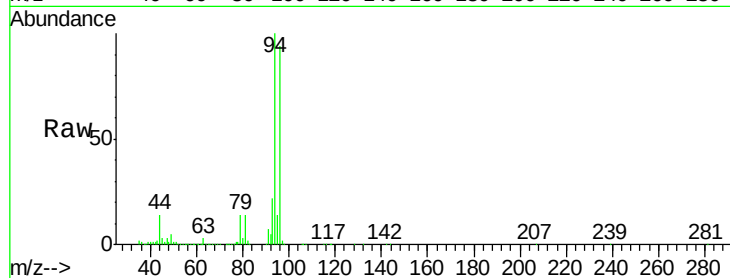
VX0605WBS02

Tot Ion: 94 Resp: 38532

Ion Ratio Lower Upper

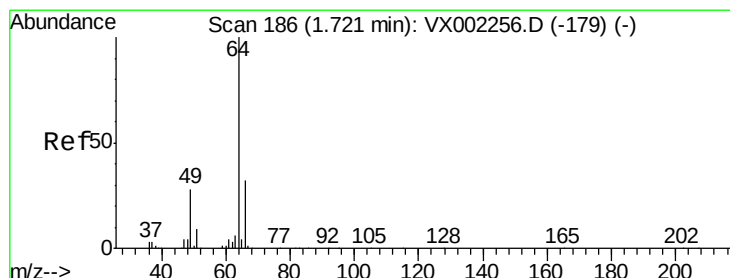
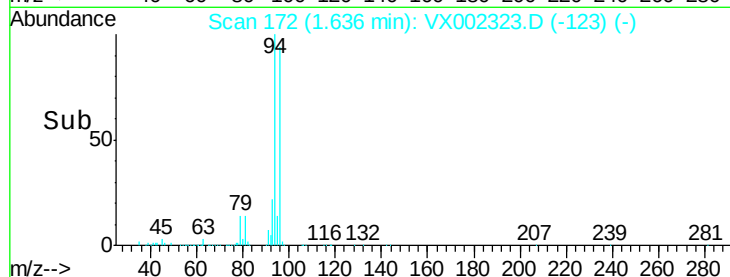
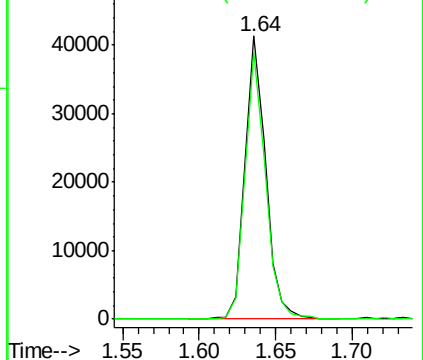
94 100

96 94.5 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: 22.16 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002323.D

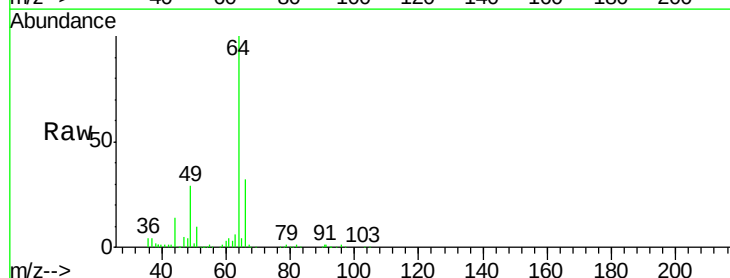
Acq: 05 Jun 2018 23:57

Tgt Ion: 64 Resp: 36759

Ion Ratio Lower Upper

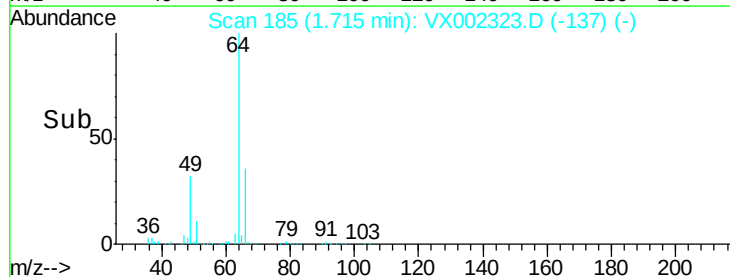
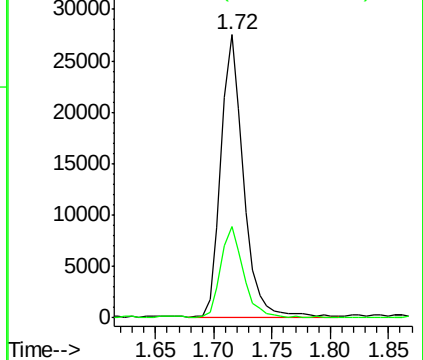
64 100

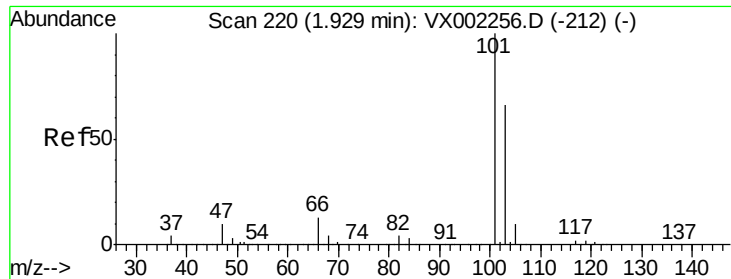
66 32.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



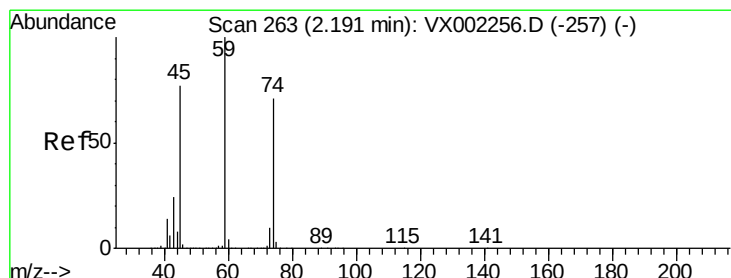
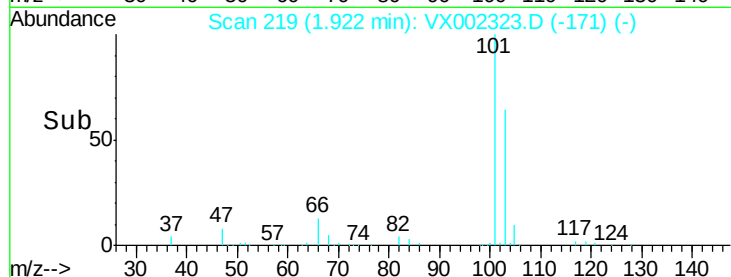
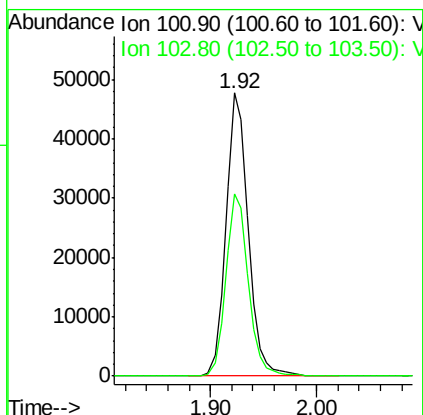
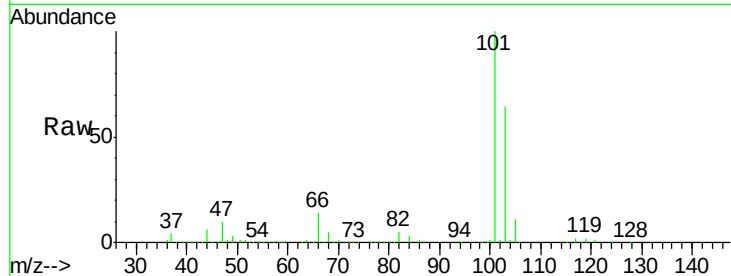


#7

Trichlorofluoromethane
 Concen: 17.85 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX002323.D
 Acq: 05 Jun 2018 23:57

Instrument :
 MSVOA_X
 ClientSampled :
 VX0605WBS02

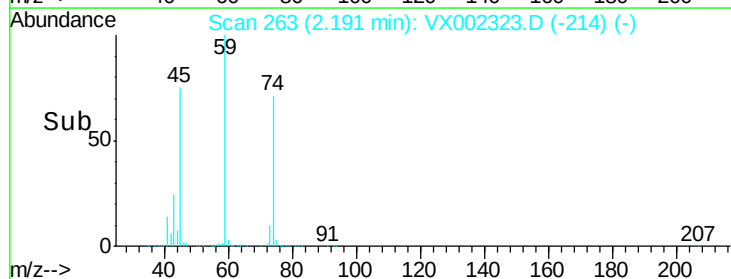
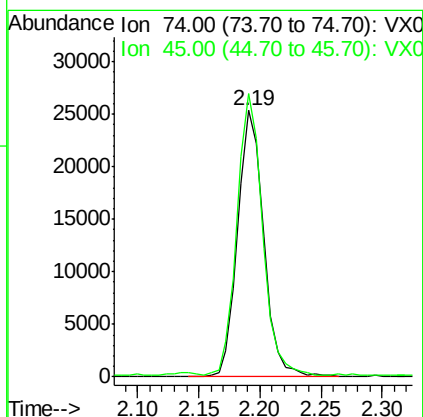
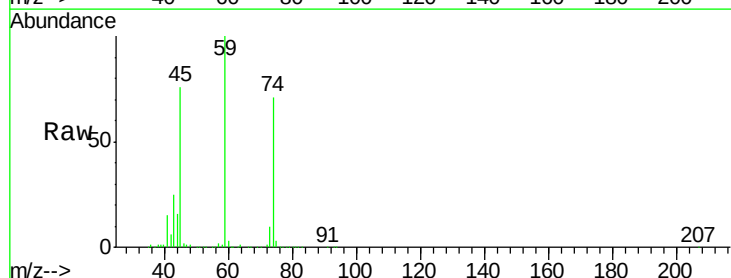
Tot Ion:101 Resp: 69734
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.8 79.2

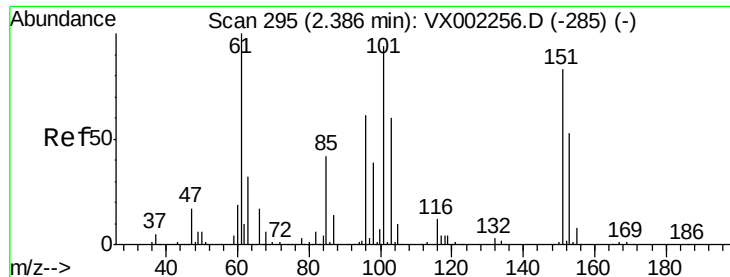


#8

Diethyl Ether
 Concen: 25.62 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002323.D
 Acq: 05 Jun 2018 23:57

Tgt Ion: 74 Resp: 37193
 Ion Ratio Lower Upper
 74 100
 45 102.8 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.93 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS02

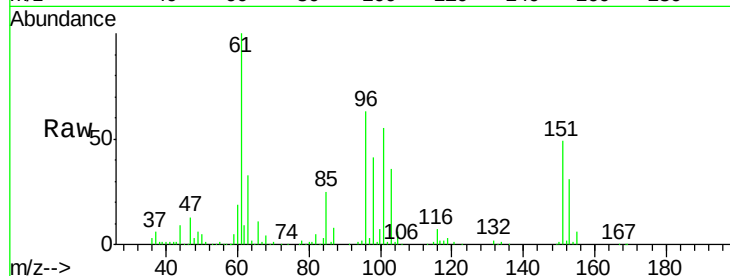
Tot Ion:101 Resp: 33589

Ion Ratio Lower Upper

101 100

85 46.1 36.0 54.0

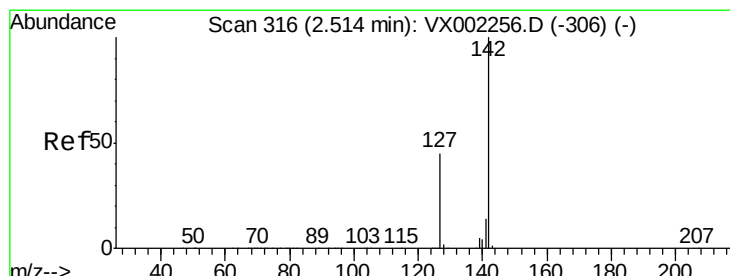
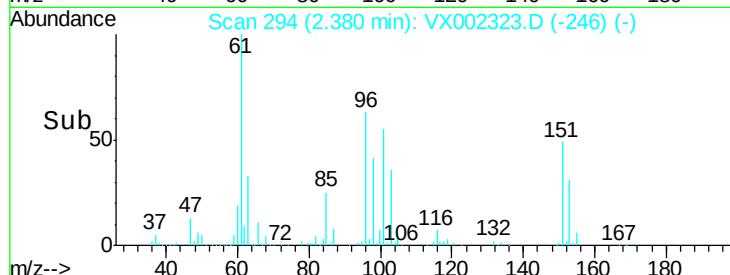
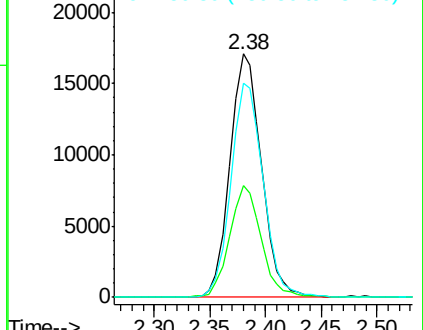
151 89.7 70.9 106.3



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: 20.03 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

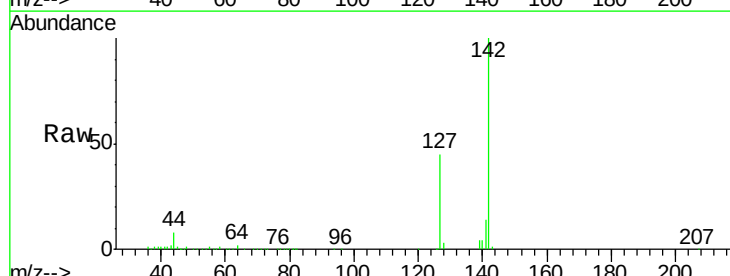
Tgt Ion:142 Resp: 59389

Ion Ratio Lower Upper

142 100

127 45.8 36.6 55.0

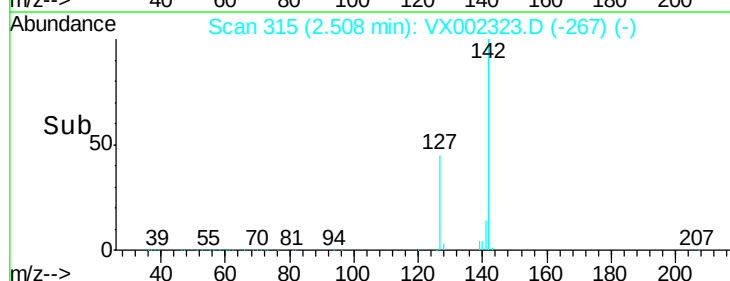
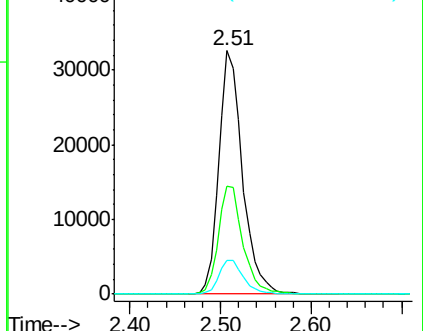
141 14.5 11.3 16.9

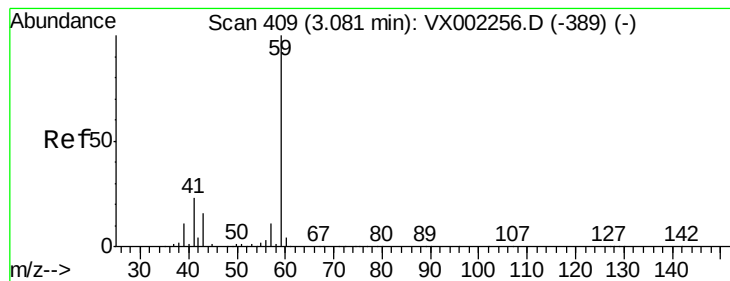


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



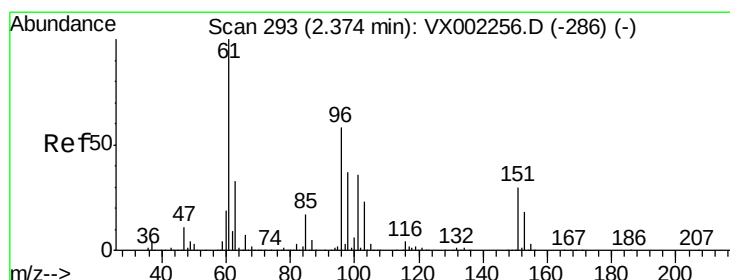
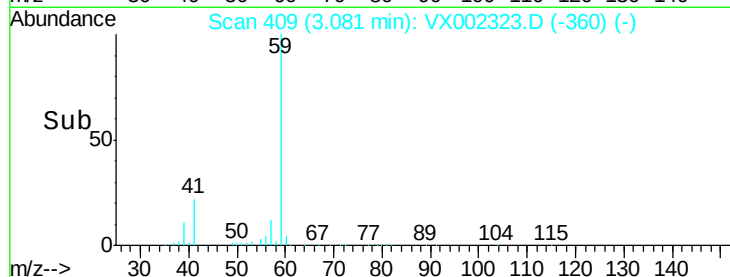
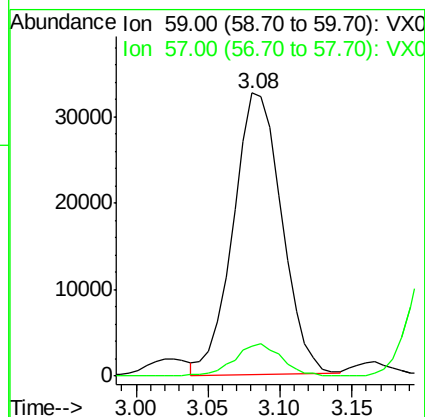
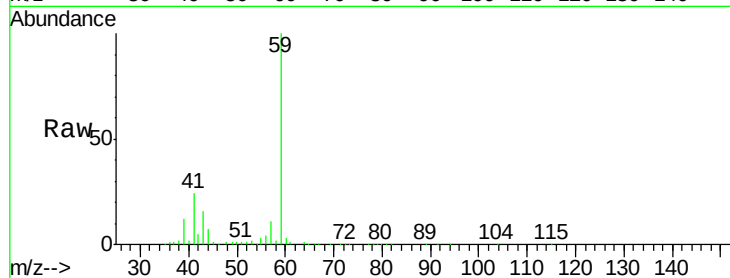


#11

Tert butyl alcohol
 Concen: 123.02 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX002323.D
 Acq: 05 Jun 2018 23:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605WBS02

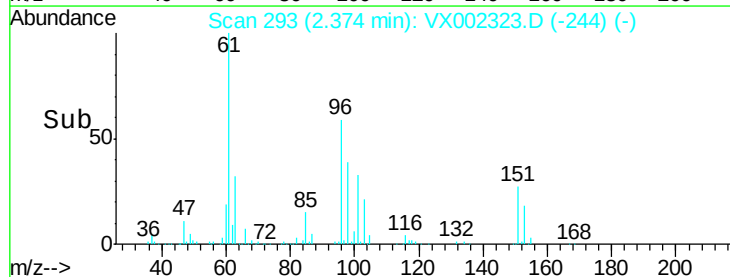
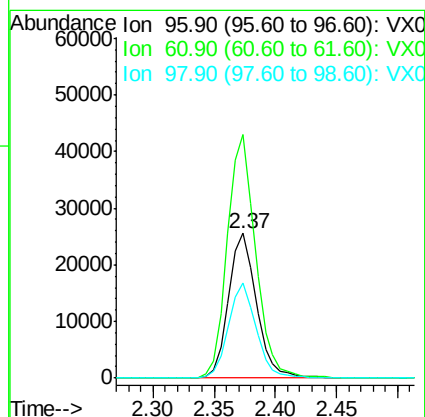
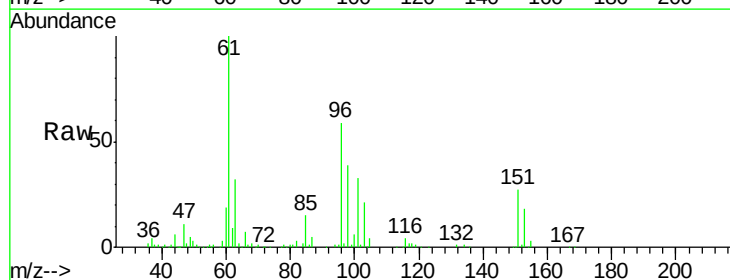
Tot Ion: 59 Resp: 76336
 Ion Ratio Lower Upper
 59 100
 57 11.4 8.2 12.2

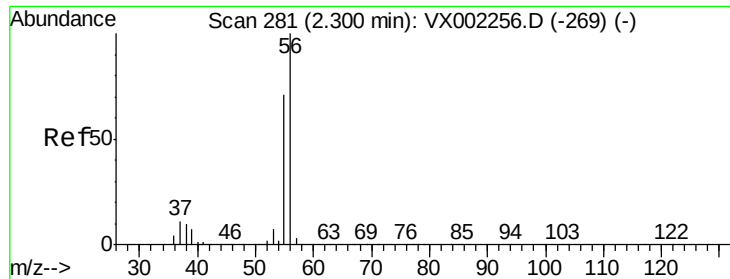


#12

1,1-Dichloroethene
 Concen: 19.46 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX002323.D
 Acq: 05 Jun 2018 23:57

Tgt Ion: 96 Resp: 40555
 Ion Ratio Lower Upper
 96 100
 61 168.3 137.9 206.9
 98 65.4 51.6 77.4





#13

Acrolein

Concen: 119.96 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampleId :

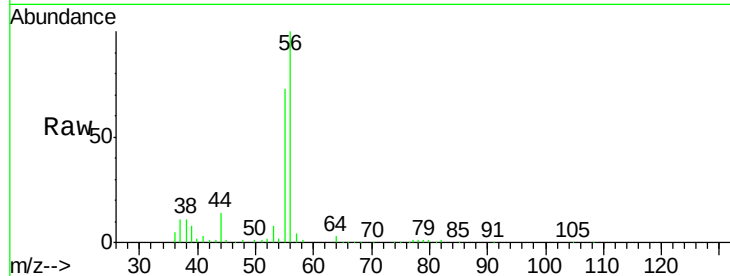
VX0605WBS02

Tot Ion: 56 Resp: 34751

Ion Ratio Lower Upper

56 100

55 69.9 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.30

20000

15000

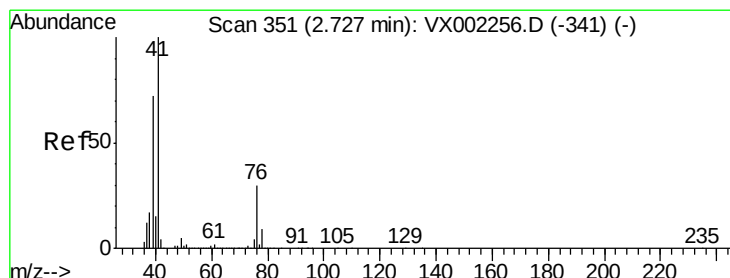
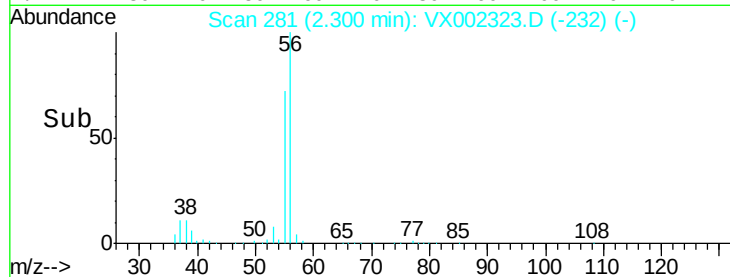
10000

5000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 20.18 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

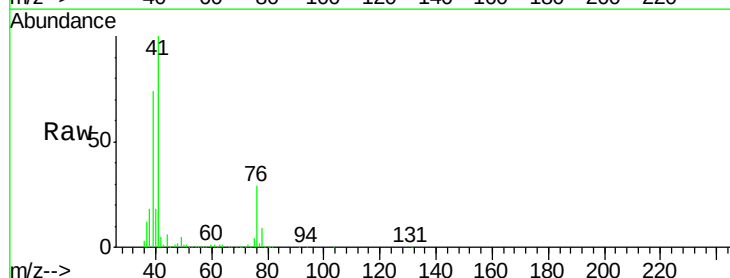
Tgt Ion: 41 Resp: 91236

Ion Ratio Lower Upper

41 100

39 71.8 56.8 85.2

76 29.5 23.8 35.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

60000

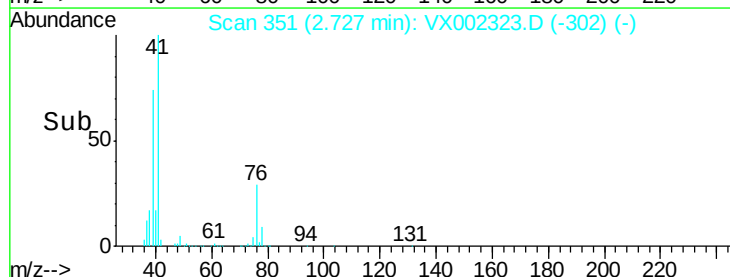
40000

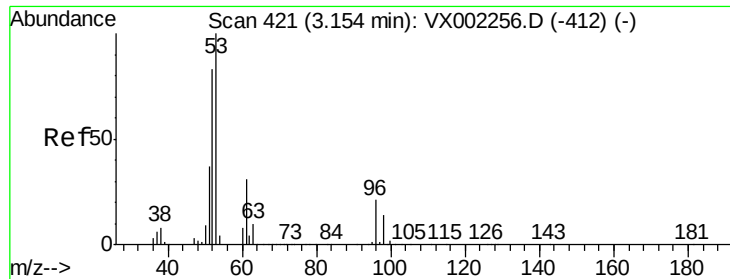
20000

0

Time-->

2.70 2.80





#15

Acrylonitrile

Concen: 131.55 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampled :

VX0605WBS02

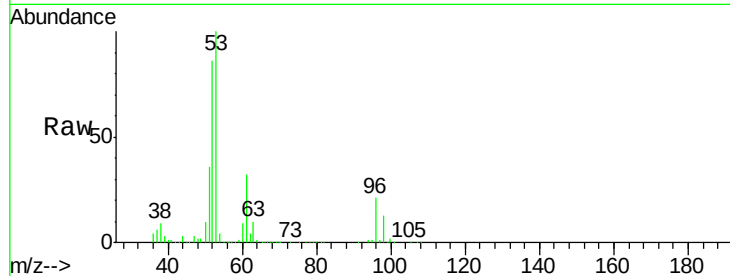
Tot Ion: 53 Resp: 162175

Ion Ratio Lower Upper

53 100

52 83.9 66.7 100.1

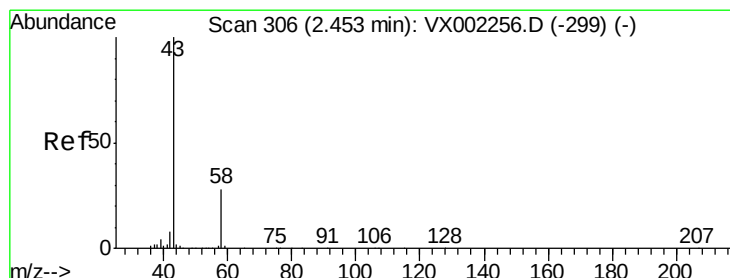
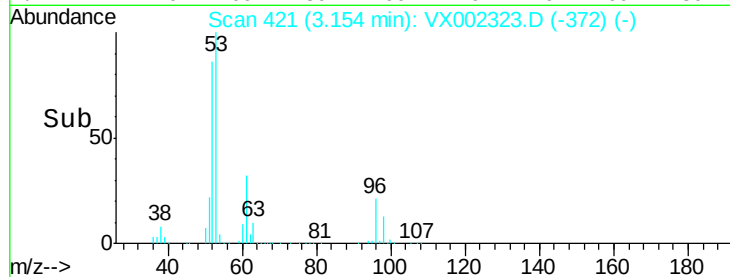
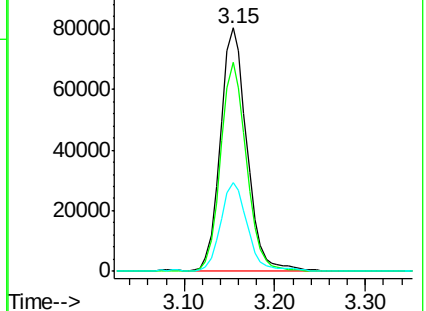
51 37.6 29.9 44.9



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: 118.07 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002323.D

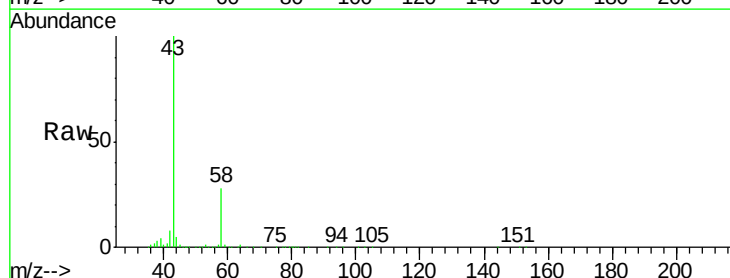
Acq: 05 Jun 2018 23:57

Tgt Ion: 43 Resp: 154311

Ion Ratio Lower Upper

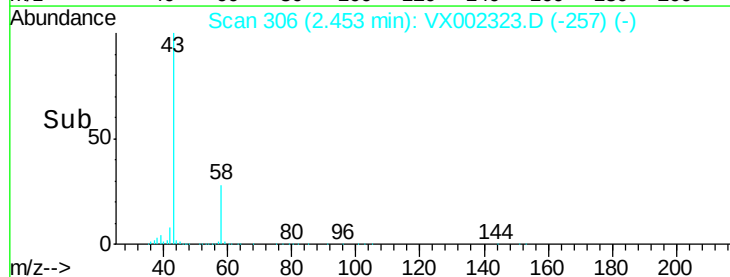
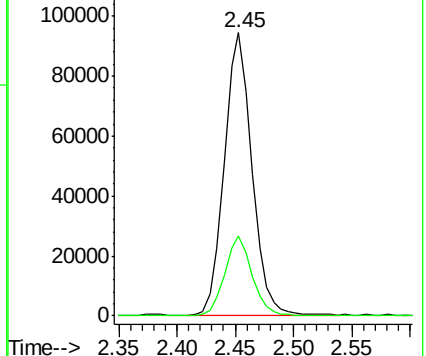
43 100

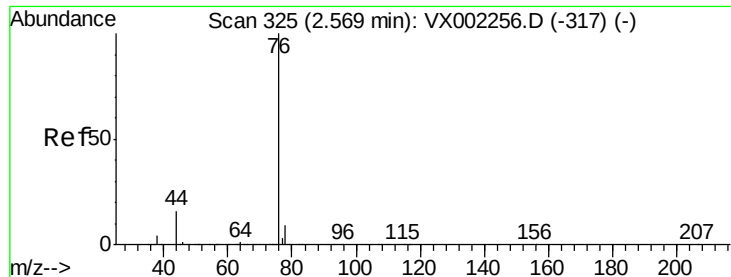
58 28.3 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

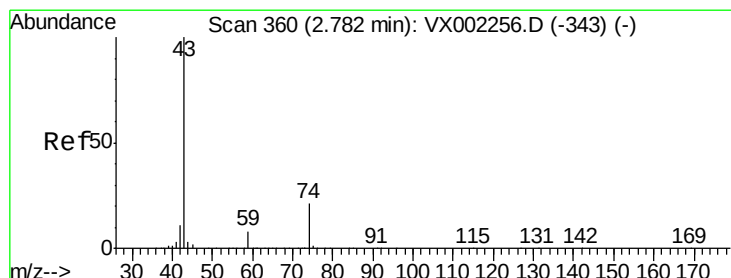
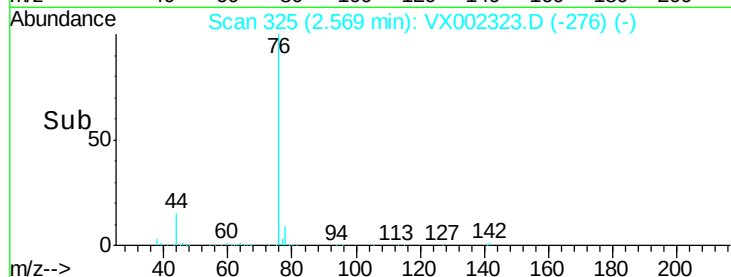
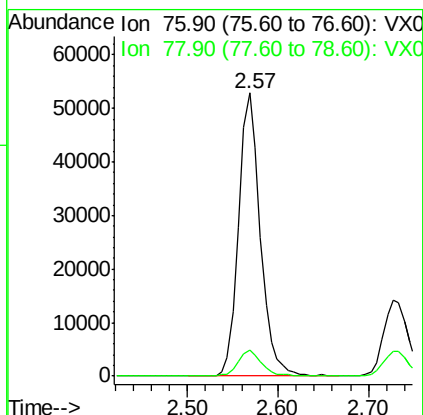
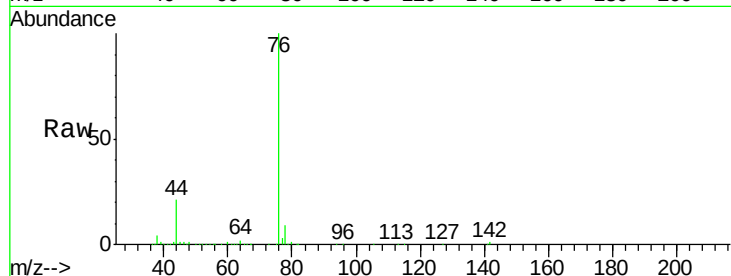




#17
Carbon Disulfide
Concen: 16.04 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

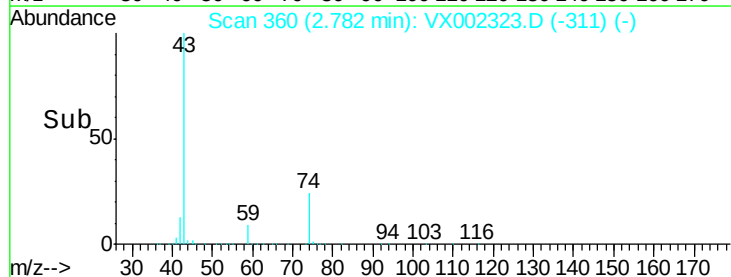
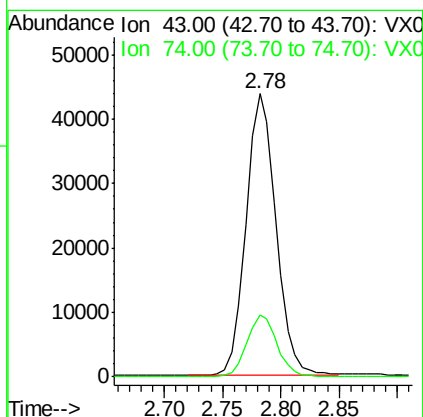
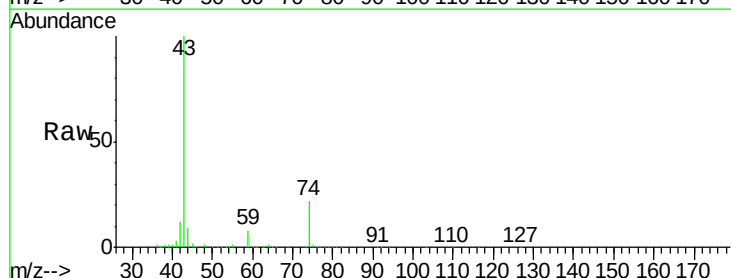
Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS02

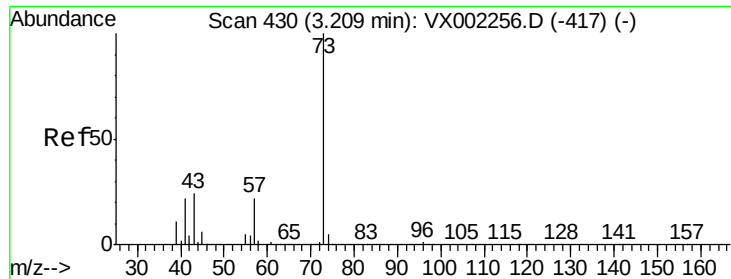
Tot Ion: 76 Resp: 88068
Ion Ratio Lower Upper
76 100
78 9.0 6.9 10.3



#18
Methyl Acetate
Concen: 26.93 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

Tgt Ion: 43 Resp: 79019
Ion Ratio Lower Upper
43 100
74 22.3 16.7 25.1



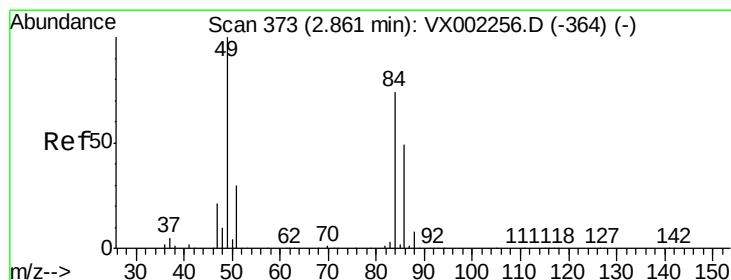
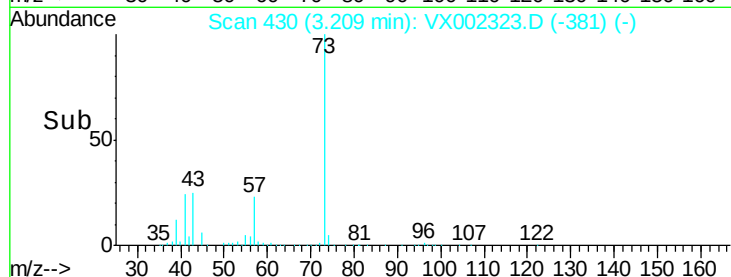
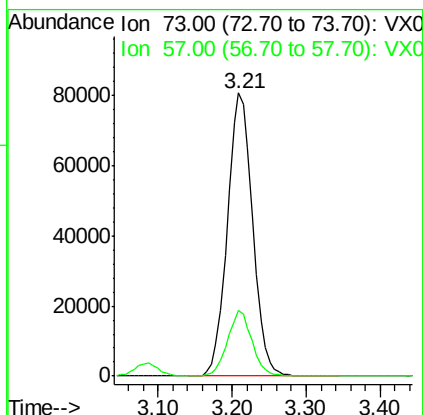
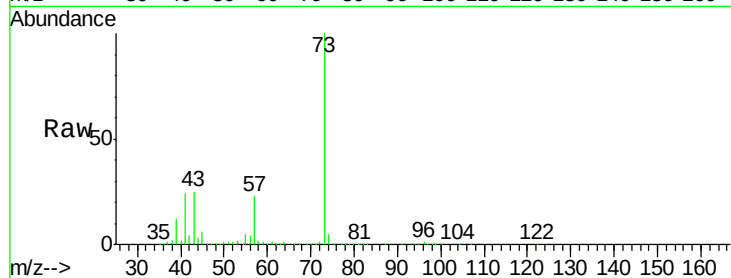


#19

Methyl tert-butyl Ether
 Concen: 25.20 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX002323.D
 Acq: 05 Jun 2018 23:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605WBS02

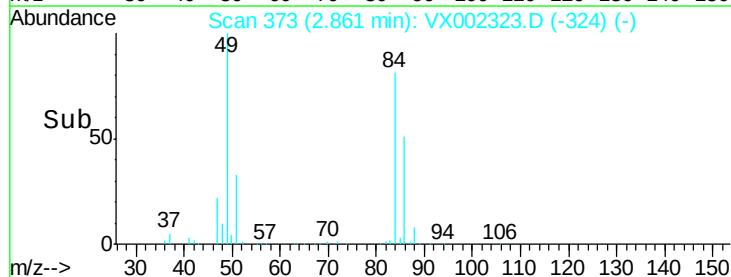
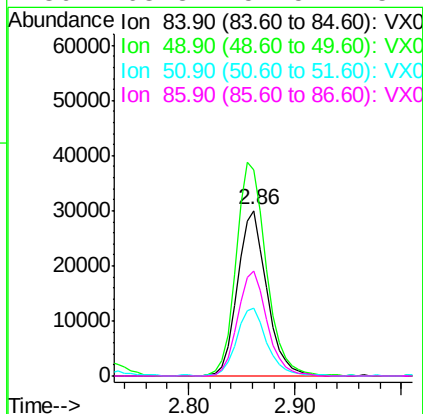
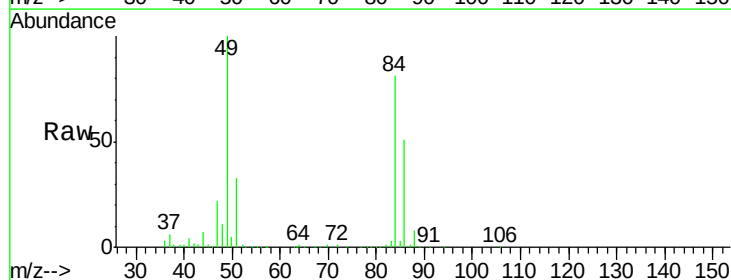
Tot Ion: 73 Resp: 191476
 Ion Ratio Lower Upper
 73 100
 57 23.0 17.7 26.5

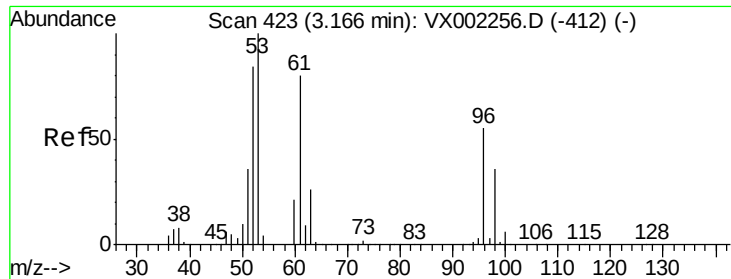


#20

Methylene Chloride
 Concen: 24.95 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX002323.D
 Acq: 05 Jun 2018 23:57

Tgt Ion: 84 Resp: 58283
 Ion Ratio Lower Upper
 84 100
 49 124.1 107.8 161.6
 51 40.4 32.8 49.2
 86 63.3 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 20.90 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS02

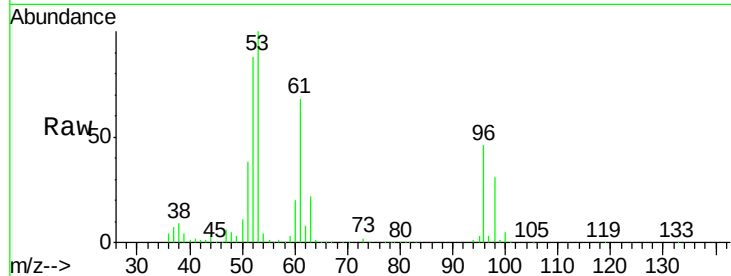
Tot Ion: 96 Resp: 48028

Ion Ratio Lower Upper

96 100

61 146.7 117.0 175.4

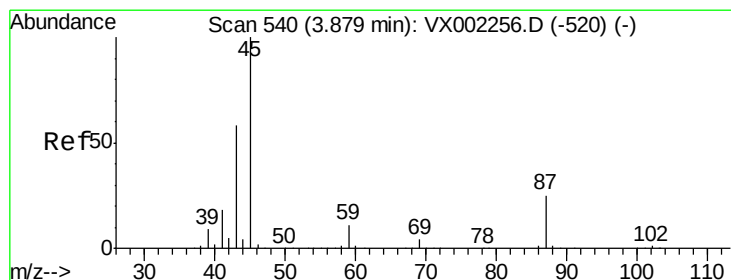
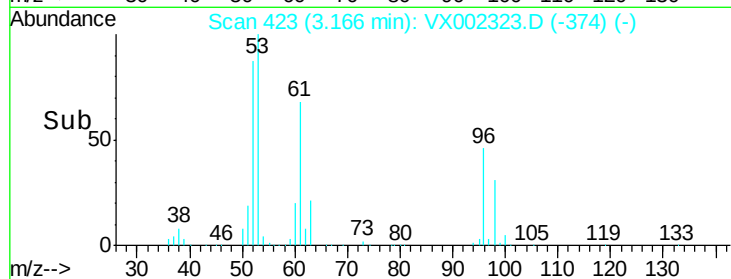
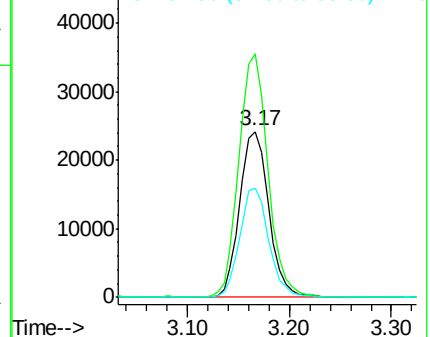
98 66.2 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 22.03 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Tgt Ion: 45 Resp: 172683

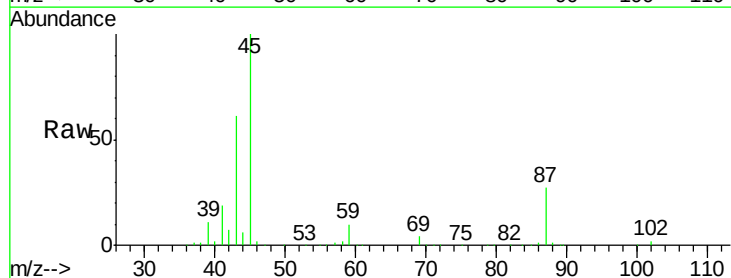
Ion Ratio Lower Upper

45 100

43 60.5 46.8 70.2

87 27.0 20.2 30.4

59 10.3 8.7 13.1

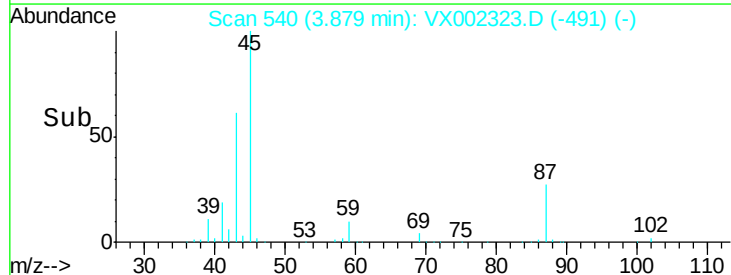
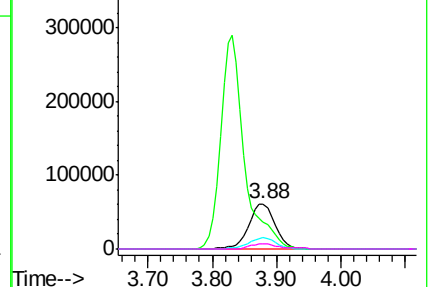


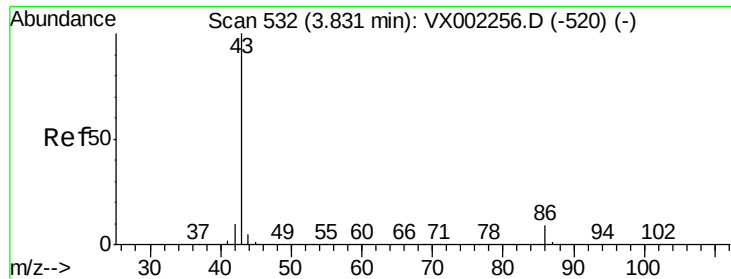
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 101.73 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampleId :

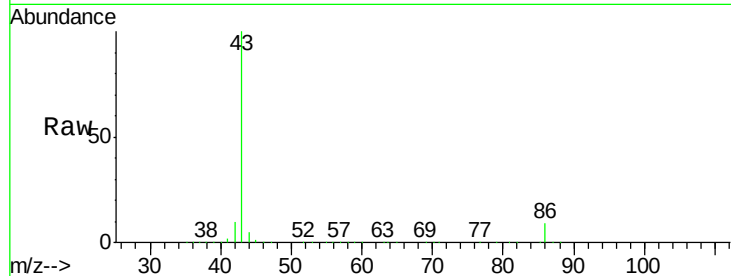
VX0605WBS02

Tot Ion: 43 Resp: 745778

Ion Ratio Lower Upper

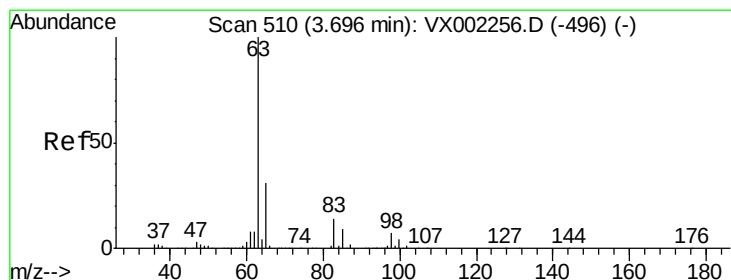
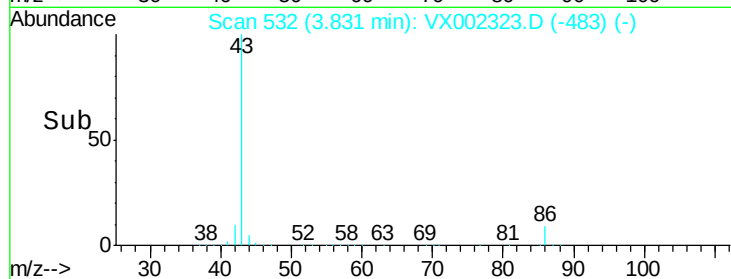
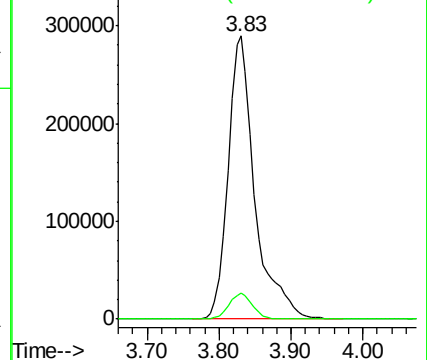
43 100

86 9.3 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 22.76 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

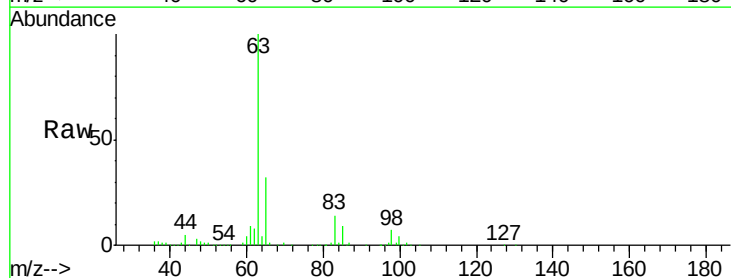
Tgt Ion: 63 Resp: 101736

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

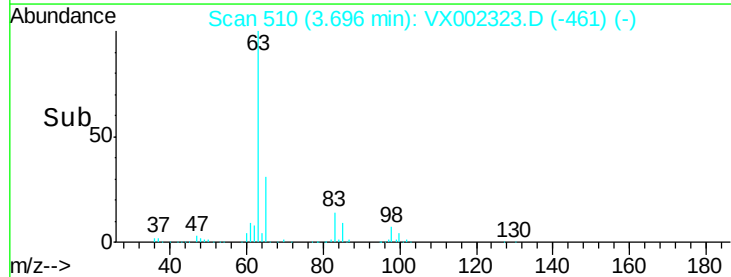
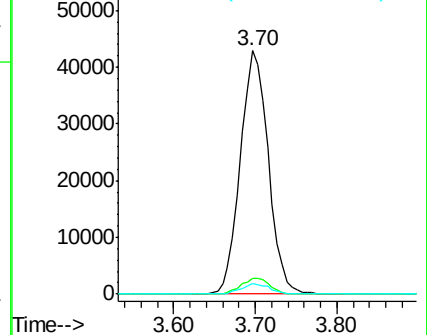
100 4.2 2.0 6.0

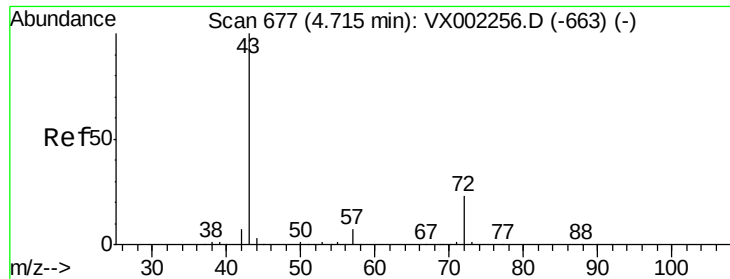


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 108.36 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampleId :

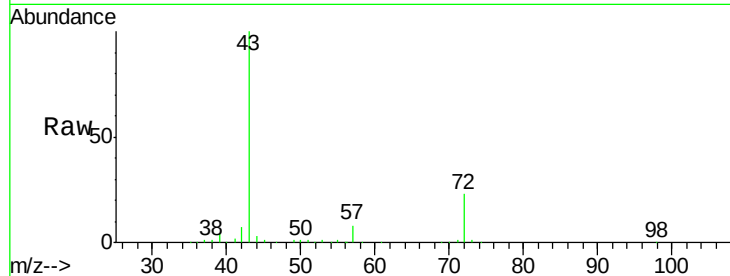
VX0605WBS02

Tot Ion: 43 Resp: 207966

Ion Ratio Lower Upper

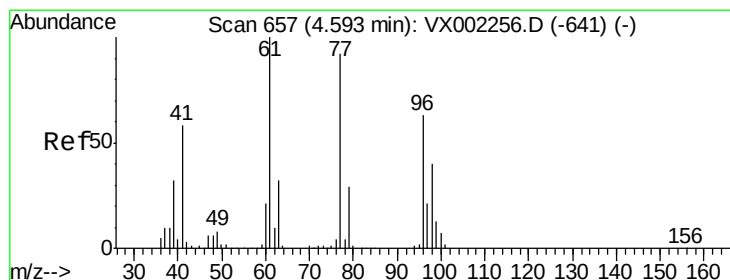
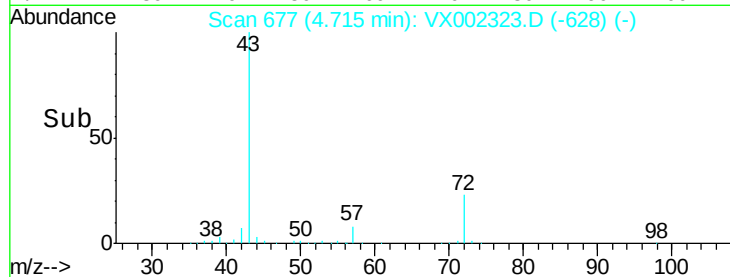
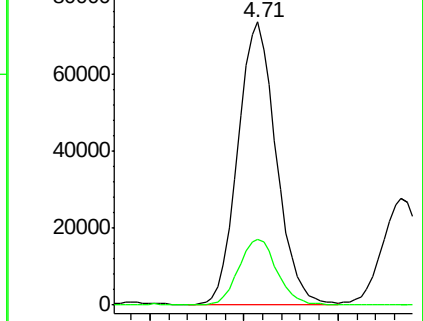
43 100

72 23.1 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: 14.13 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002323.D

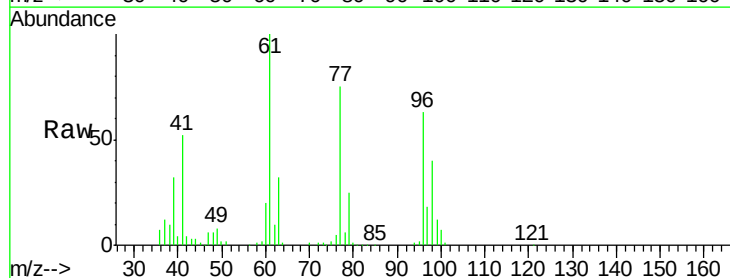
Acq: 05 Jun 2018 23:57

Tgt Ion: 77 Resp: 49381

Ion Ratio Lower Upper

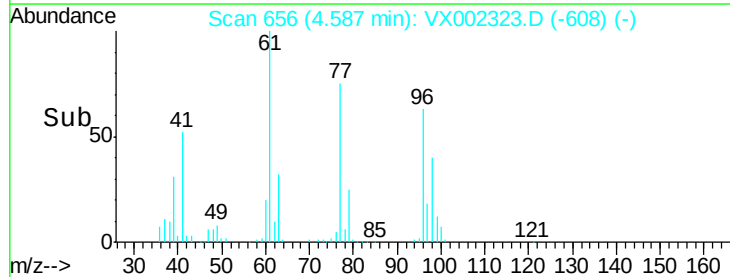
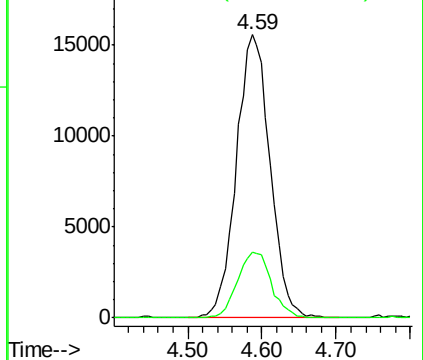
77 100

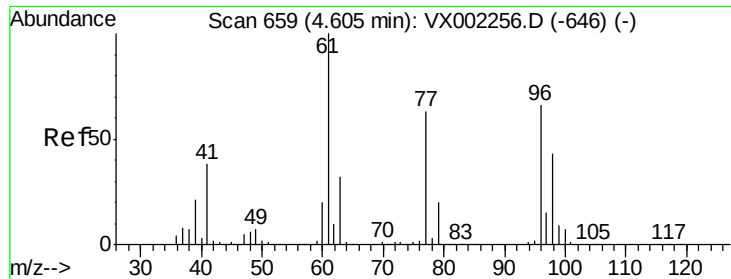
97 23.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



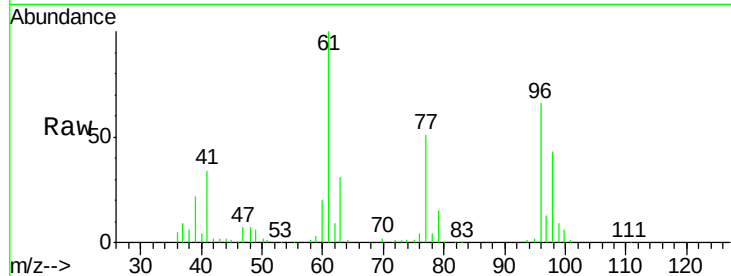


#27

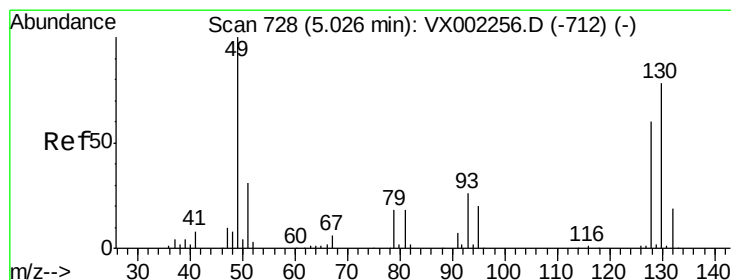
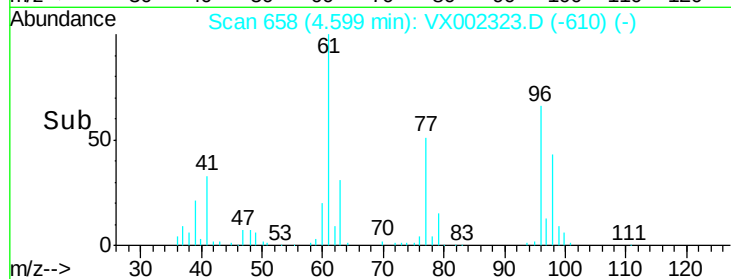
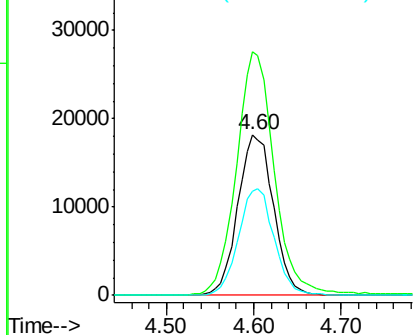
cis-1,2-Dichloroethene
Concen: 20.67 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS02

Tot Ion: 96 Resp: 51665
Ion Ratio Lower Upper
96 100
61 161.9 0.0 330.2
98 66.2 0.0 130.2



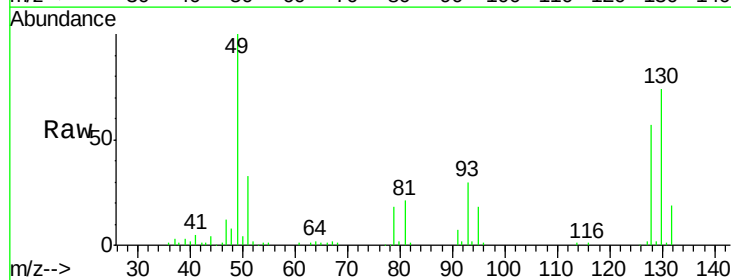
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



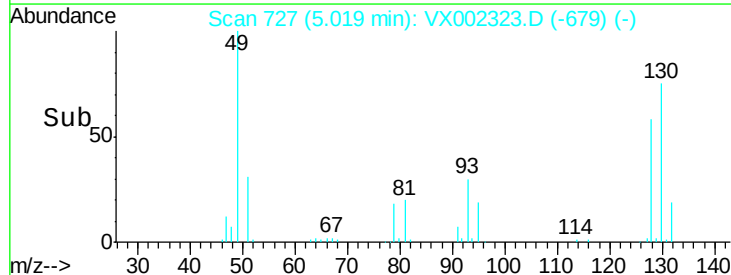
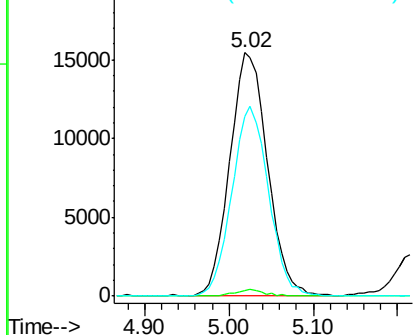
#28

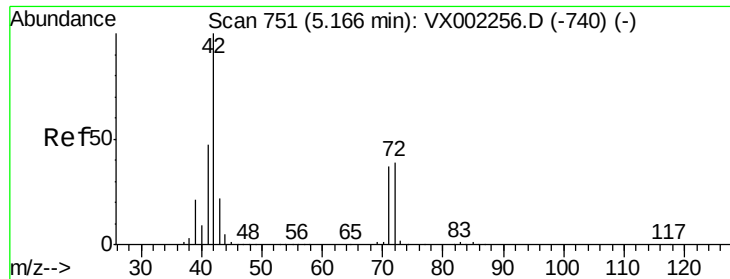
Bromochloromethane
Concen: 22.79 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

Tgt Ion: 49 Resp: 46996
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.2
130 75.7 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

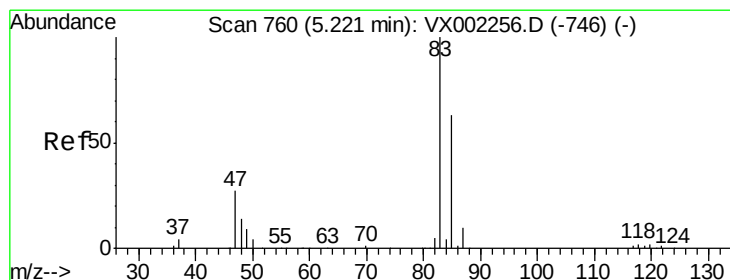
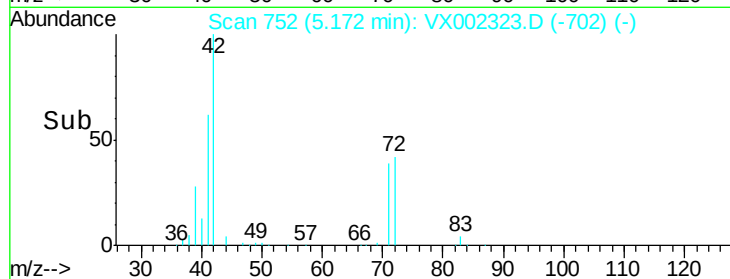
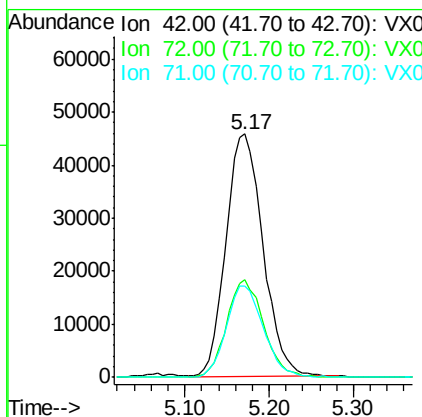
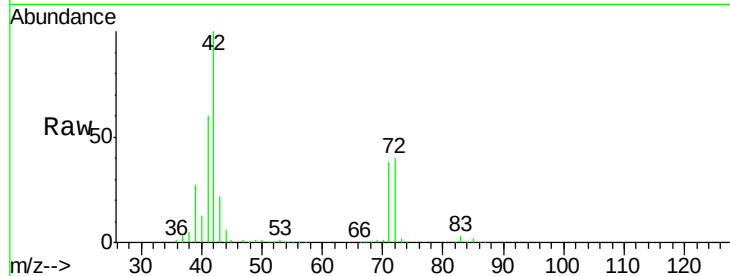




#29
Tetrahydrofuran
Concen: 110.49 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

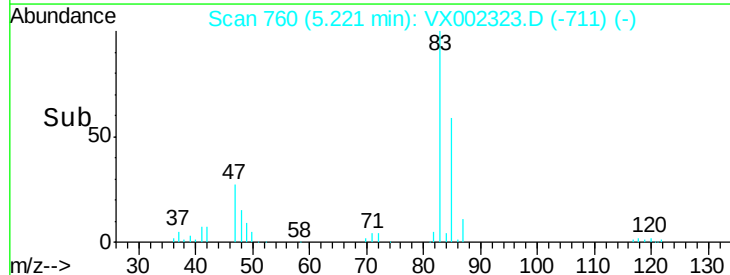
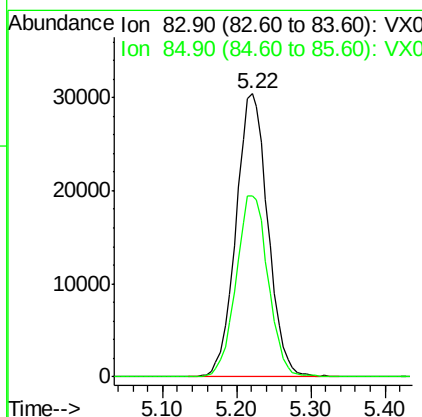
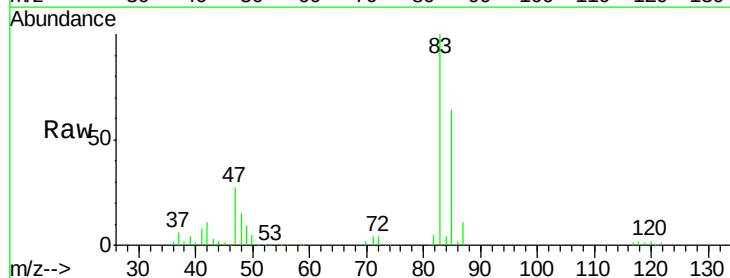
Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS02

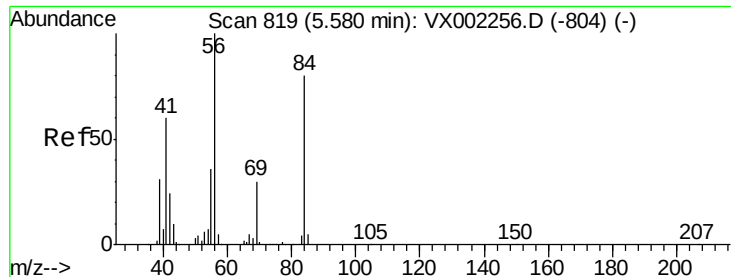
Tot Ion: 42 Resp: 136716
Ion Ratio Lower Upper
42 100
72 40.2 32.0 48.0
71 38.0 30.1 45.1



#30
Chloroform
Concen: 21.17 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

Tgt Ion: 83 Resp: 91287
Ion Ratio Lower Upper
83 100
85 64.1 50.4 75.6





#31

Cyclohexane

Concen: 14.53 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS02

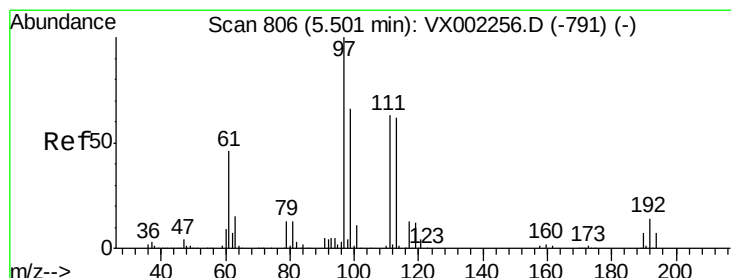
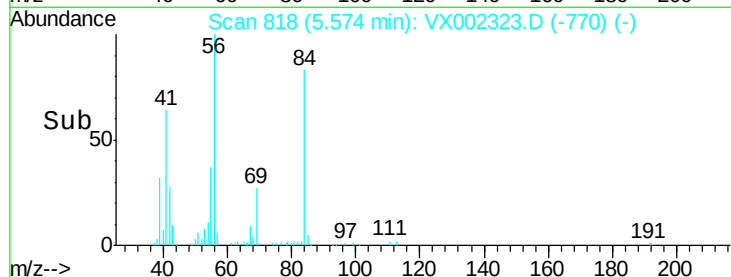
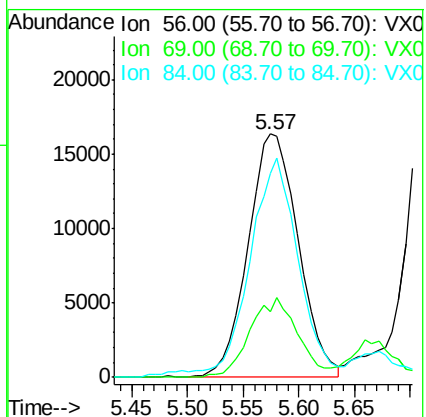
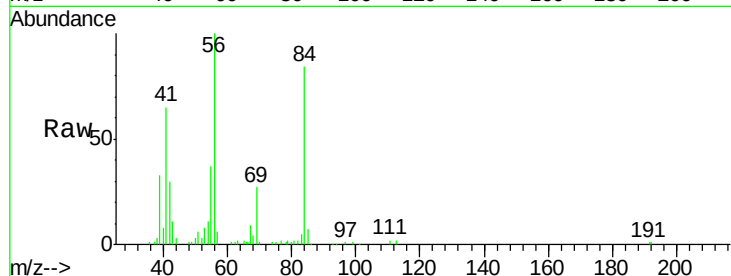
Tot Ion: 56 Resp: 51361

Ion Ratio Lower Upper

56 100

69 26.9 23.7 35.5

84 81.2 64.1 96.1



#32

1,1,1-Trichloroethane

Concen: 18.76 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

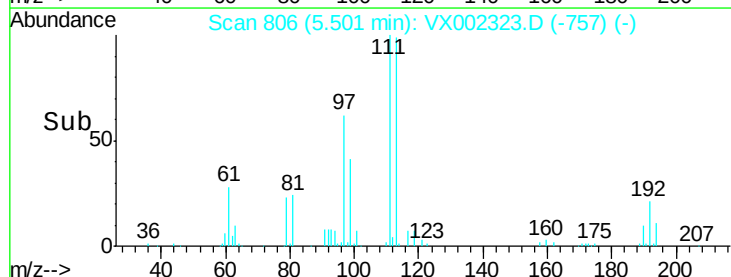
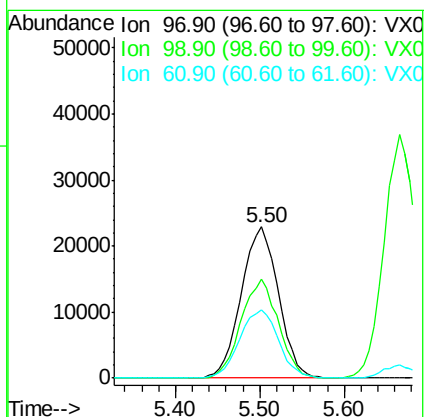
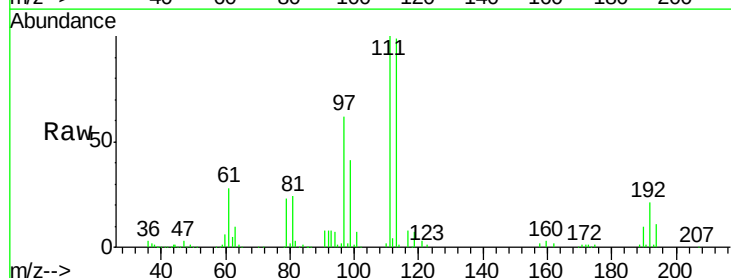
Tgt Ion: 97 Resp: 68602

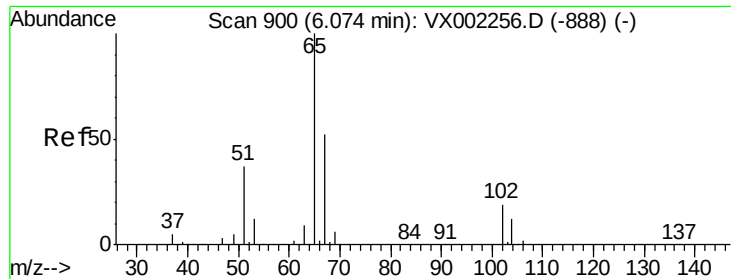
Ion Ratio Lower Upper

97 100

99 65.9 51.6 77.4

61 47.4 36.4 54.6

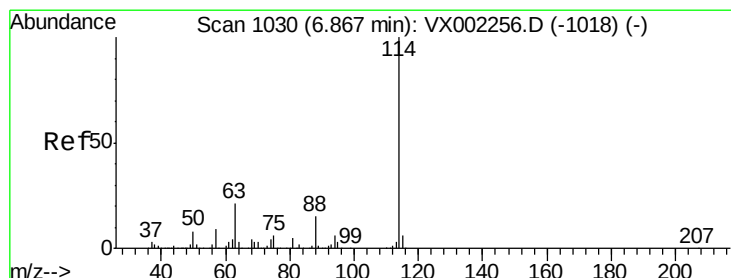
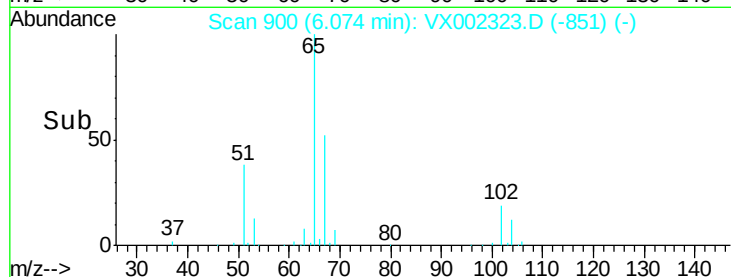
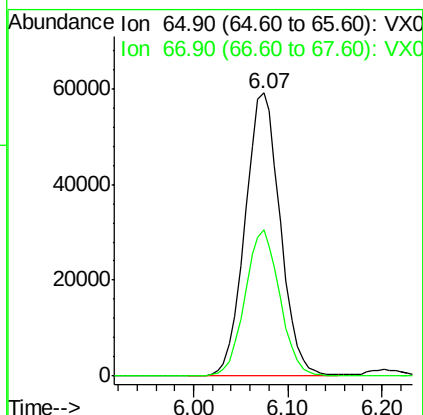
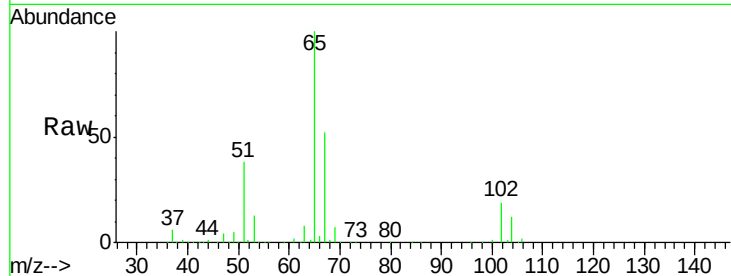




#33
 1,2-Dichloroethane-d4
 Concen: 55.64 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002323.D
 Acq: 05 Jun 2018 23:57

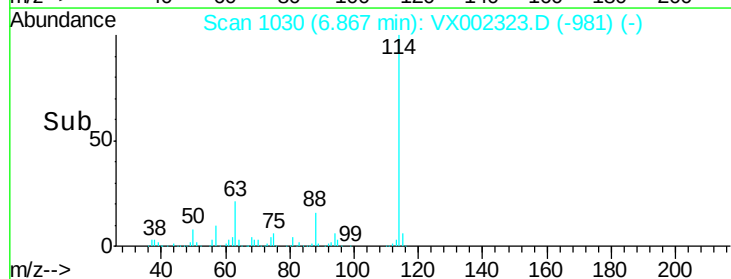
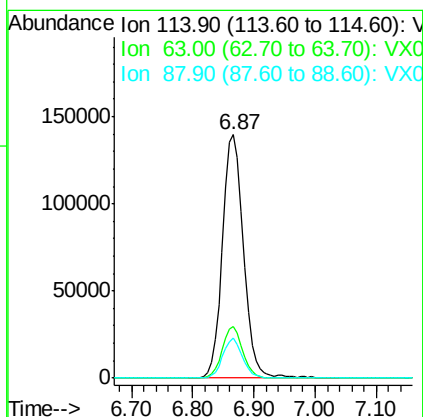
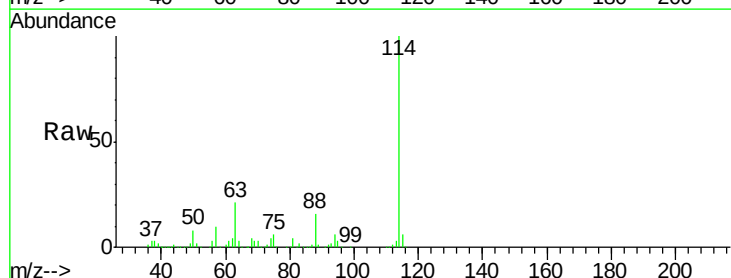
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605WBS02

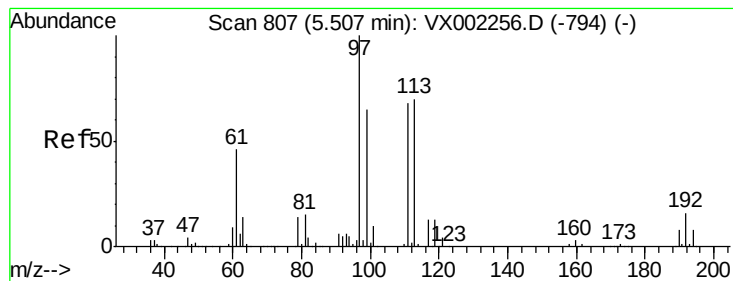
Tot Ion: 65 Resp: 154653
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002323.D
 Acq: 05 Jun 2018 23:57

Tgt Ion: 114 Resp: 333482
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 41.4
 88 16.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 42.56 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampled :

VX0605WBS02

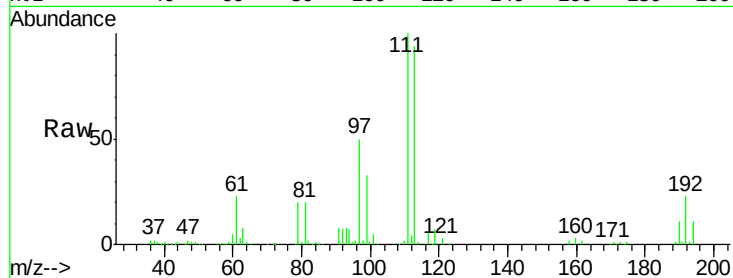
Tot Ion:113 Resp: 111606

Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

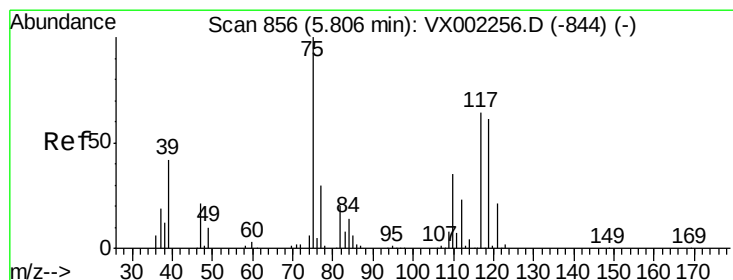
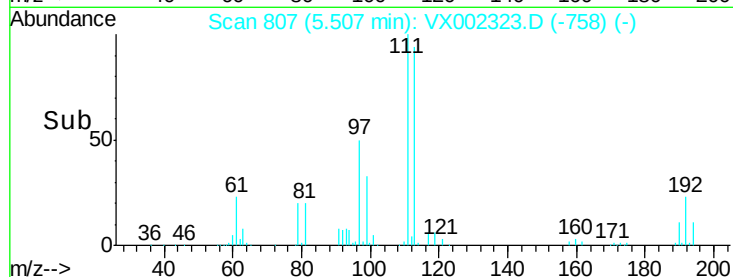
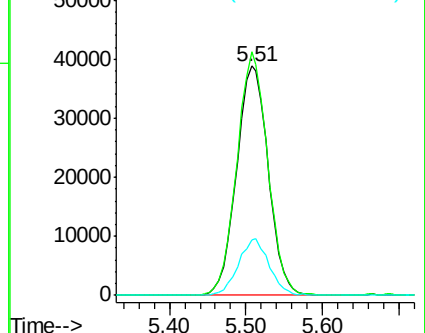
192 23.9 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 15.99 ug/l

RT: 5.80 min Scan# 856

Delta R.T. -0.01 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

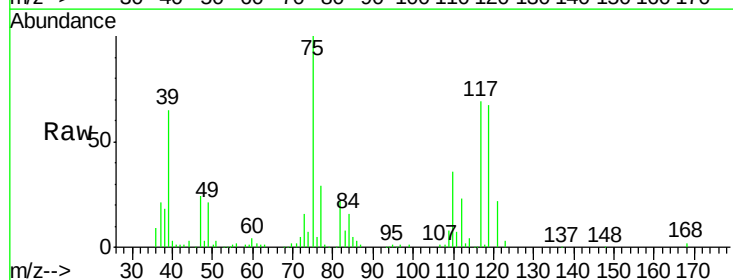
Tgt Ion: 75 Resp: 56070

Ion Ratio Lower Upper

75 100

110 35.1 18.1 54.4

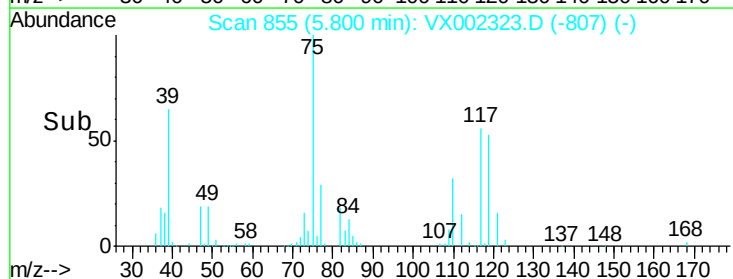
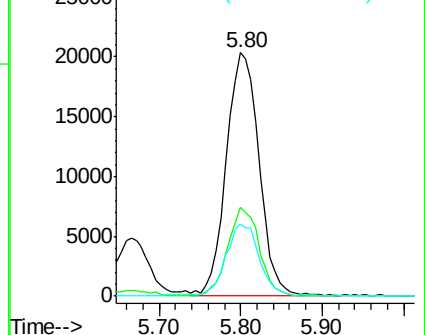
77 30.4 24.3 36.5

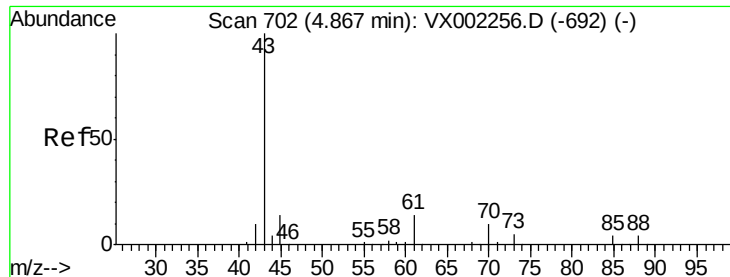


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

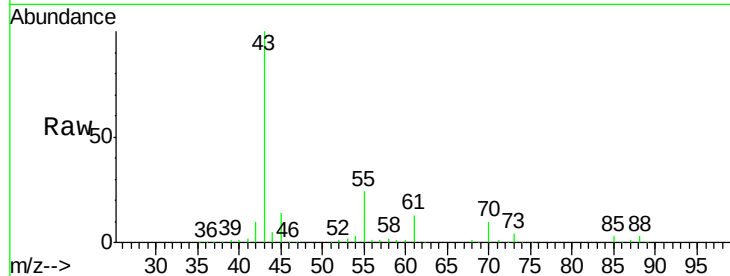




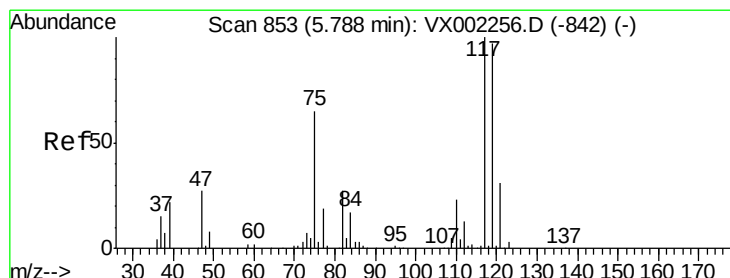
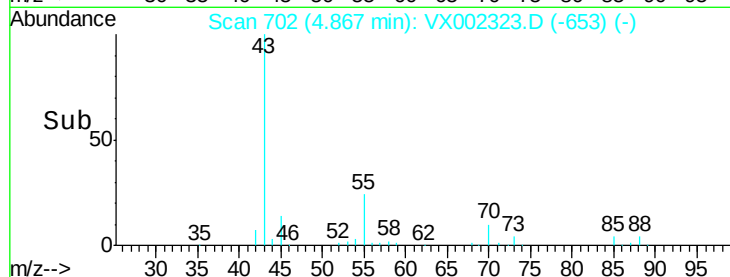
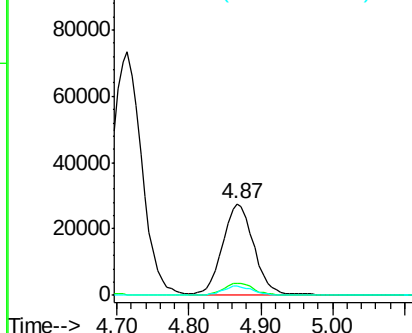
#37
Ethyl Acetate
Concen: 19.66 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS02

Tot Ion: 43 Resp: 82893
Ion Ratio Lower Upper
43 100
61 13.0 10.4 15.6
70 9.8 7.6 11.4

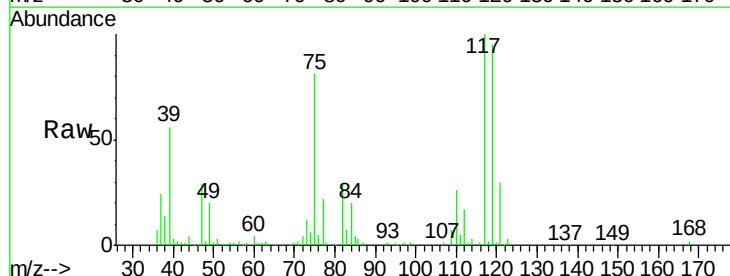


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

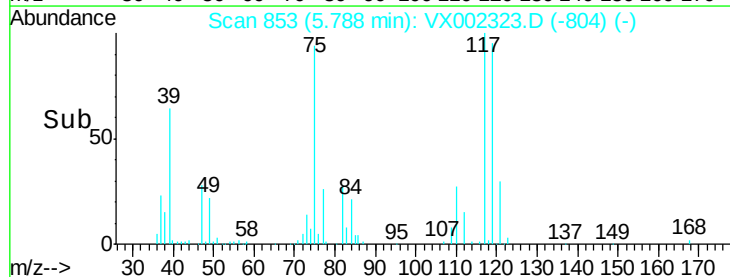
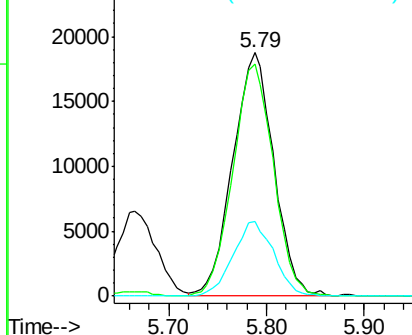


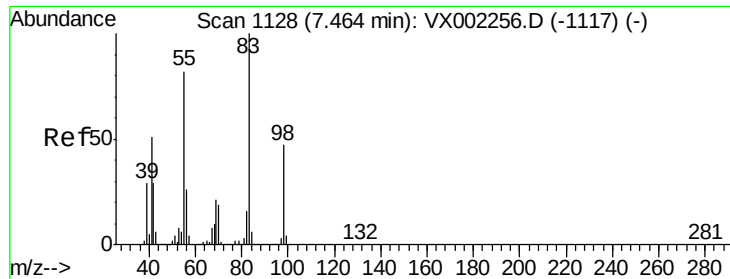
#38
Carbon Tetrachloride
Concen: 14.78 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

Tgt Ion: 117 Resp: 54202
Ion Ratio Lower Upper
117 100
119 95.2 77.4 116.0
121 30.5 24.4 36.6



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

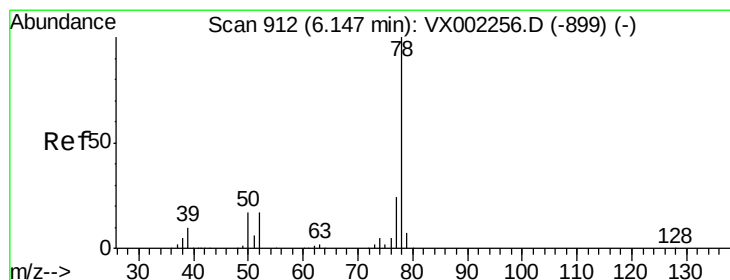
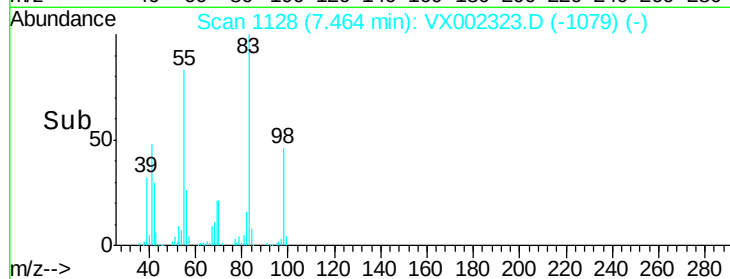
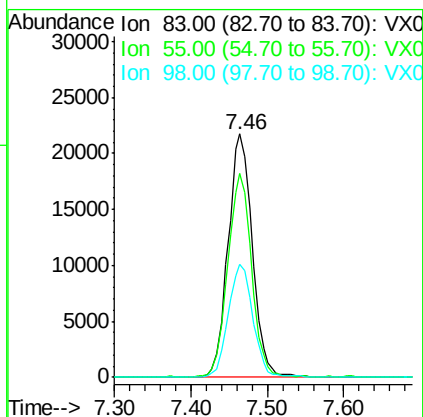
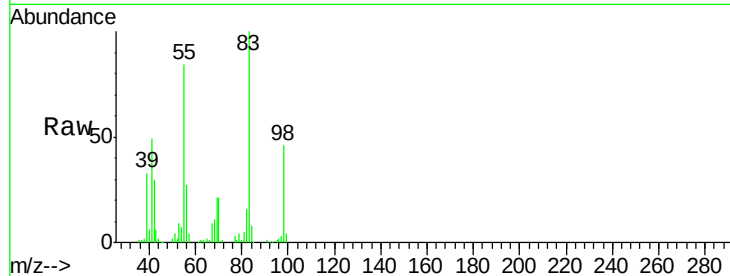




#39
Methylvlcyclohexane
Concen: 11.25 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

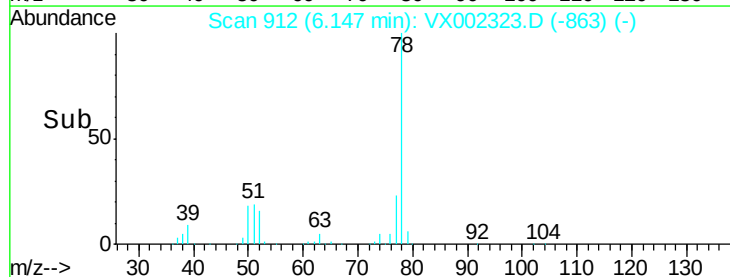
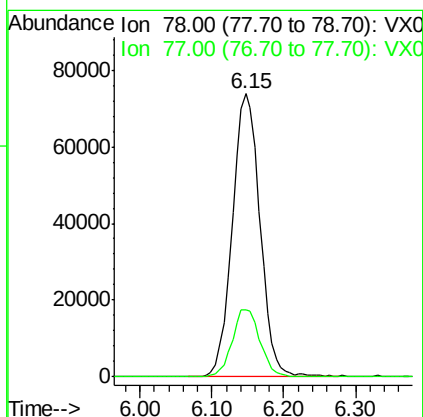
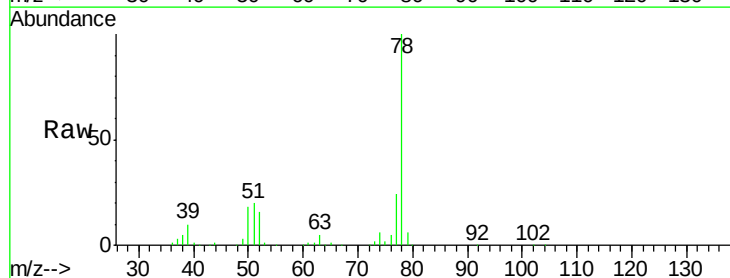
Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS02

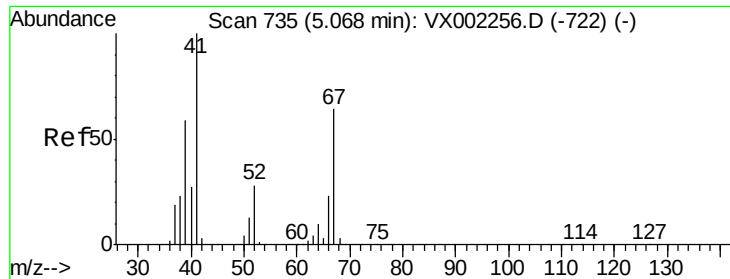
Tot Ion: 83 Resp: 47830
Ion Ratio Lower Upper
83 100
55 83.6 65.4 98.0
98 46.4 37.4 56.0



#40
Benzene
Concen: 18.34 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

Tgt Ion: 78 Resp: 197152
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7

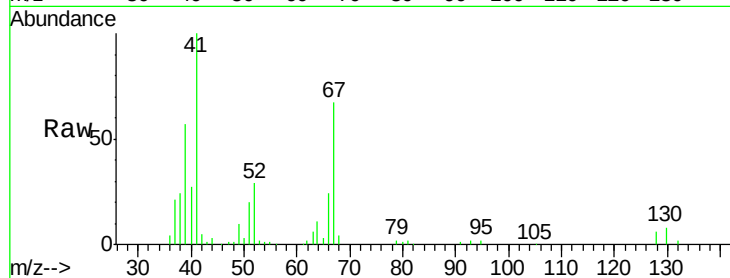




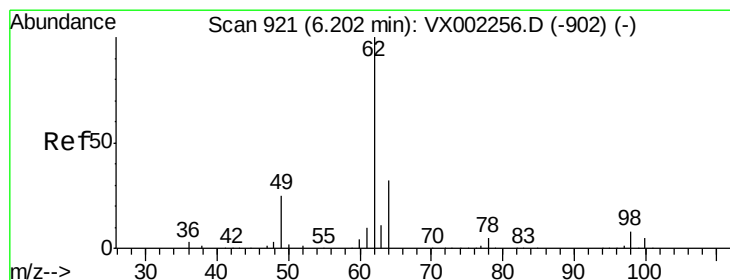
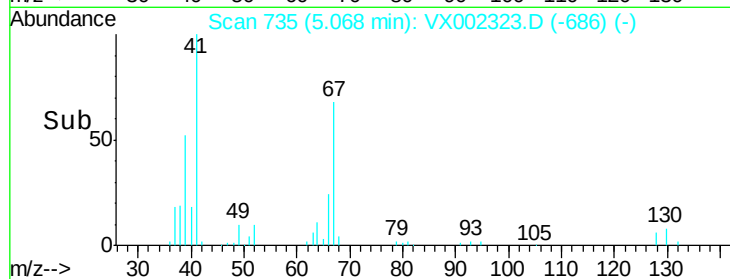
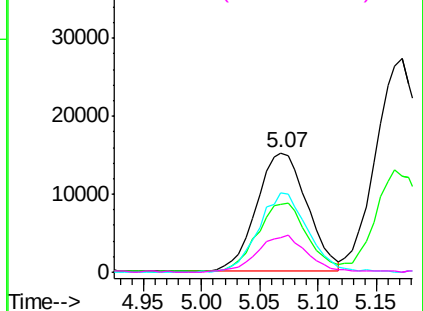
#41
Methacrylonitrile
Concen: 19.01 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS02

Tot Ion:	41	Resp:	45877
Ion	Ratio	Lower	Upper
41	100		
39	57.5	45.8	68.6
67	65.6	51.3	76.9
52	31.4	23.0	34.6

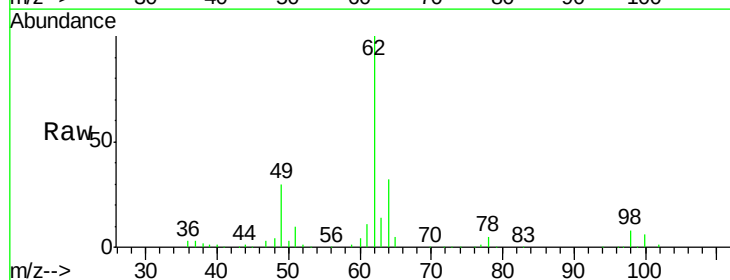


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

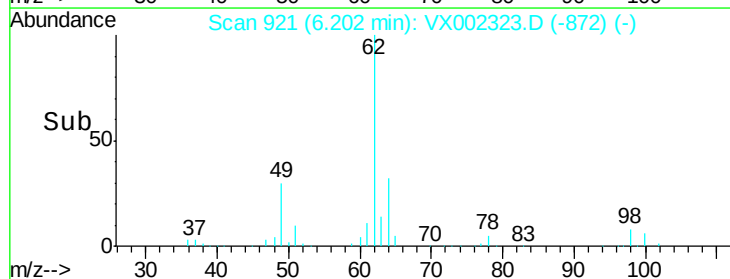
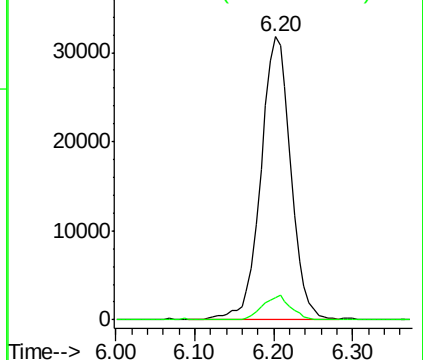


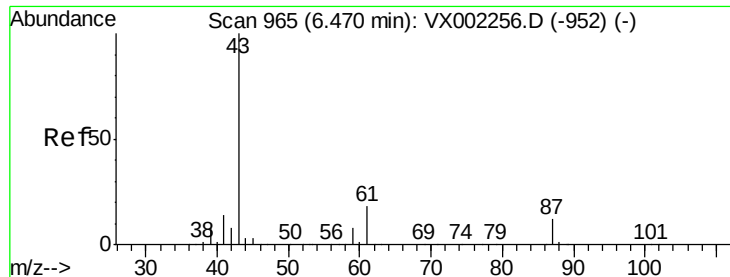
#42
1,2-Dichloroethane
Concen: 19.66 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

Tgt Ion:	62	Resp:	83960
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.6



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



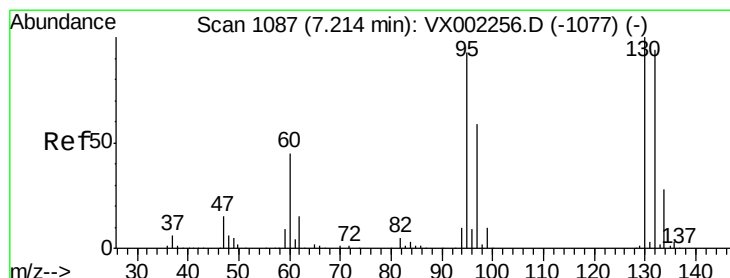
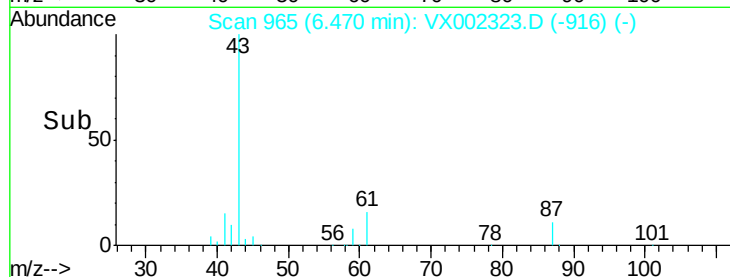
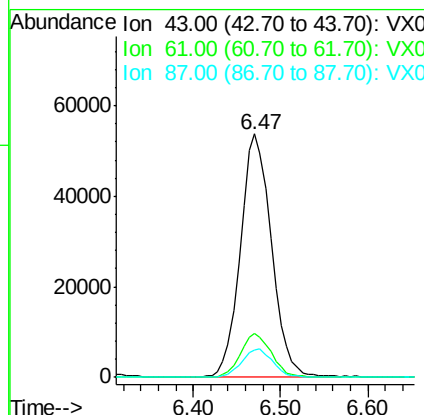
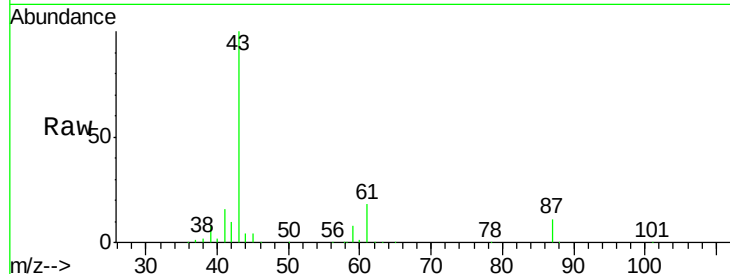


#43

Isopropyl Acetate
 Concen: 18.40 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX002323.D
 Acq: 05 Jun 2018 23:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605WBS02

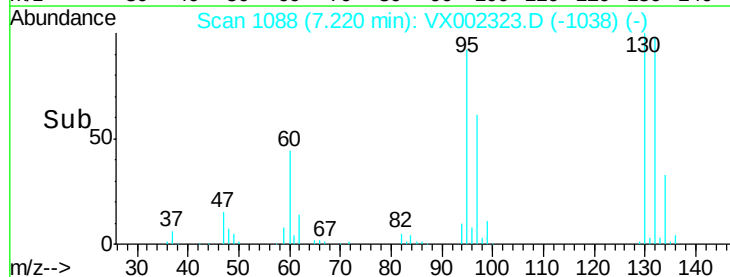
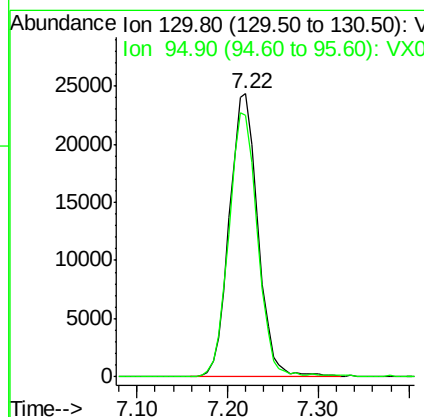
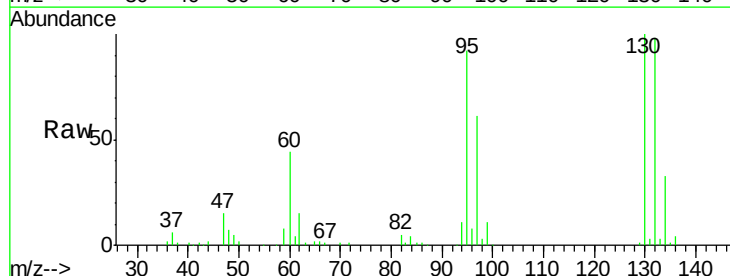
Tot Ion	43	Resp	131792
Ion Ratio	Lower	Upper	
43	100		
61	18.2	14.4	21.6
87	11.8	9.5	14.3

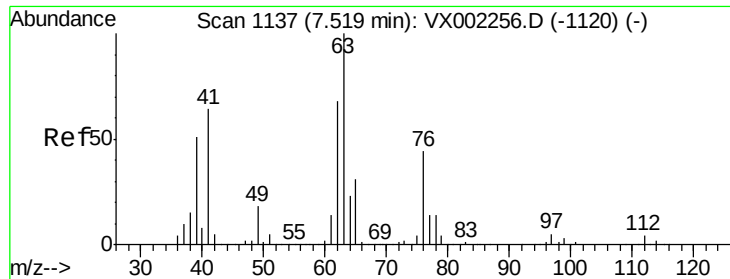


#44

Trichloroethene
 Concen: 17.84 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX002323.D
 Acq: 05 Jun 2018 23:57

Tgt Ion	130	Resp	53221
Ion Ratio	Lower	Upper	
130	100		
95	92.3	0.0	185.4

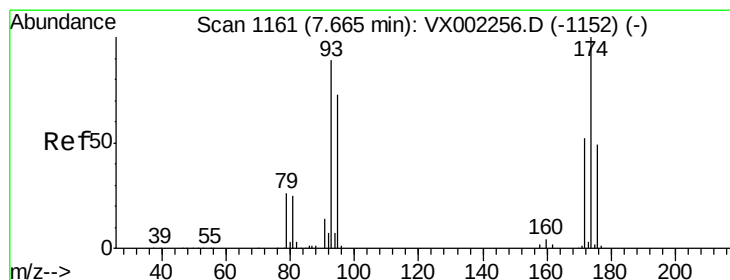
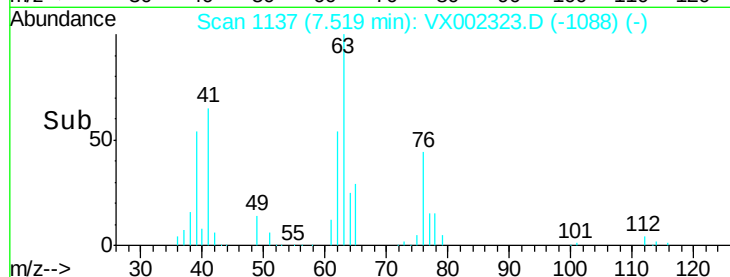
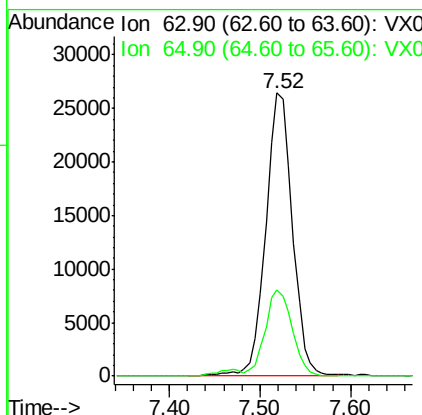
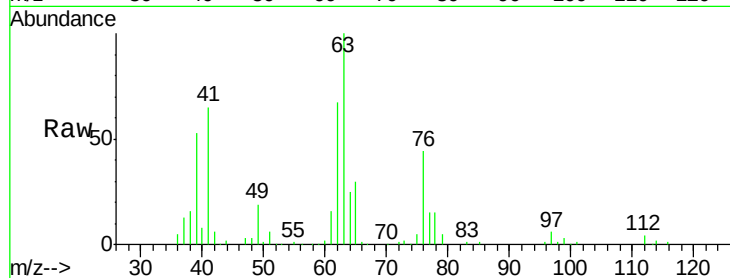




#45
 1,2-Dichloropropane
 Concen: 18.57 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX002323.D
 Acq: 05 Jun 2018 23:57

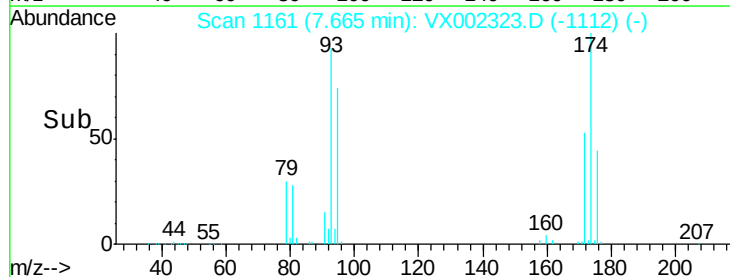
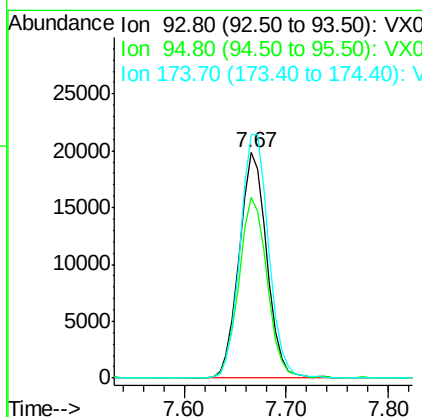
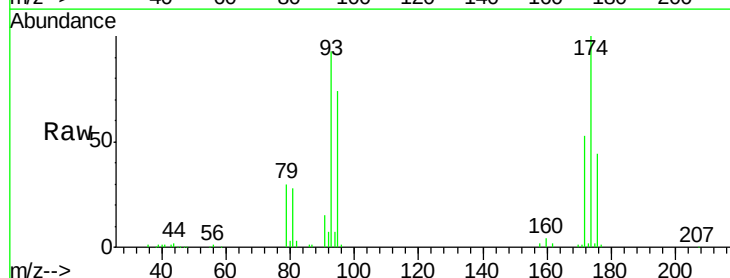
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605WBS02

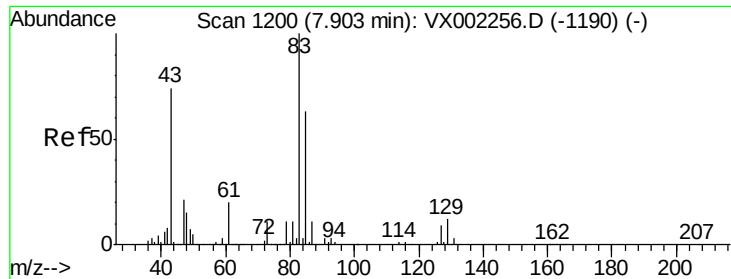
Tot Ion: 63 Resp: 53900
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.7 37.1



#46
 Dibromomethane
 Concen: 18.88 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX002323.D
 Acq: 05 Jun 2018 23:57

Tgt Ion: 93 Resp: 37141
 Ion Ratio Lower Upper
 93 100
 95 82.0 65.9 98.9
 174 112.0 92.4 138.6





#47

Bromodichloromethane

Concen: 17.16 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS02

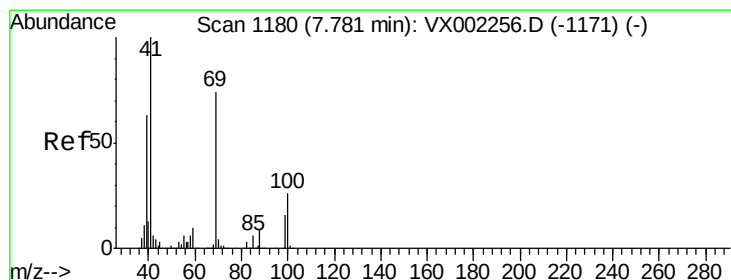
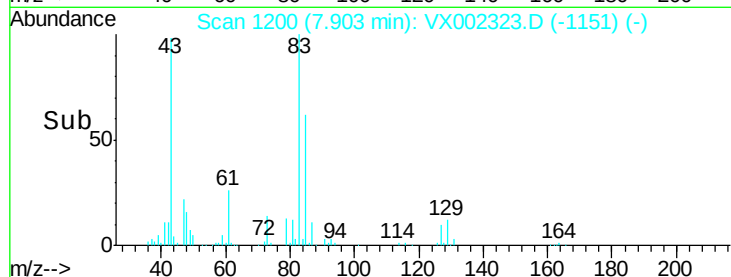
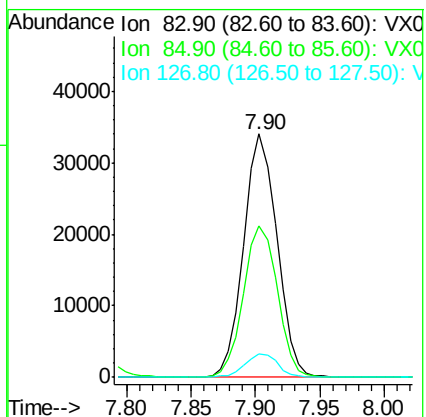
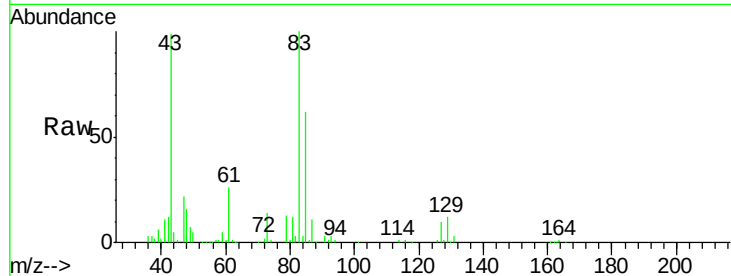
Tot Ion: 83 Resp: 61064

Ion Ratio Lower Upper

83 100

85 62.3 50.3 75.5

127 9.7 7.0 10.4



#48

Methyl methacrylate

Concen: 18.59 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

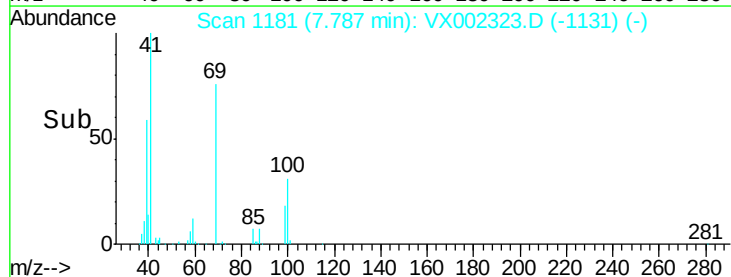
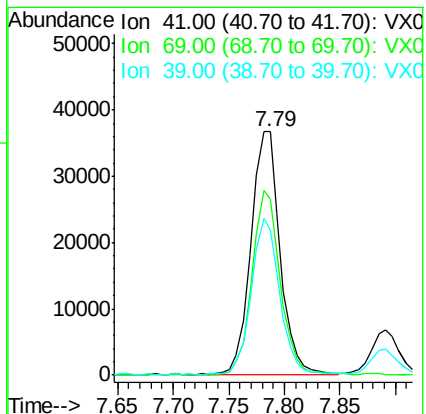
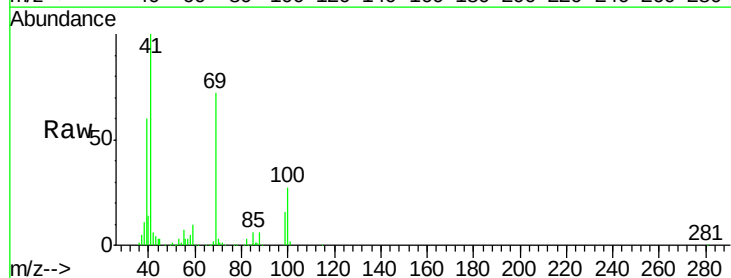
Tgt Ion: 41 Resp: 66868

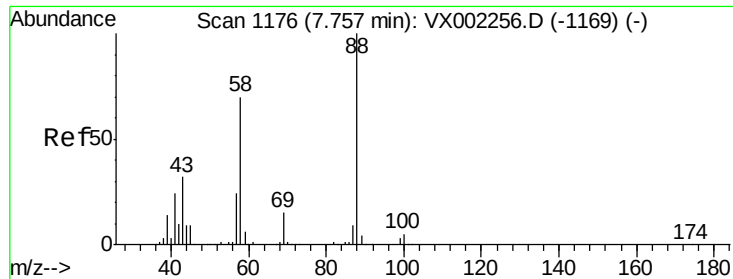
Ion Ratio Lower Upper

41 100

69 74.2 59.1 88.7

39 62.3 48.9 73.3

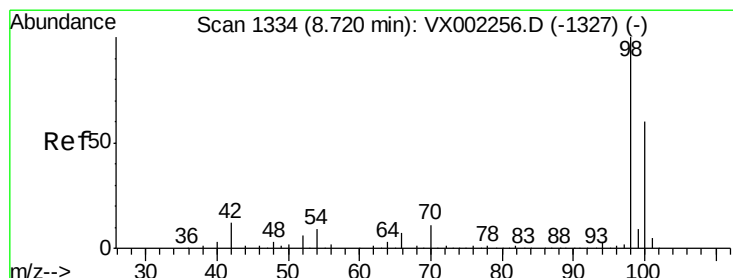
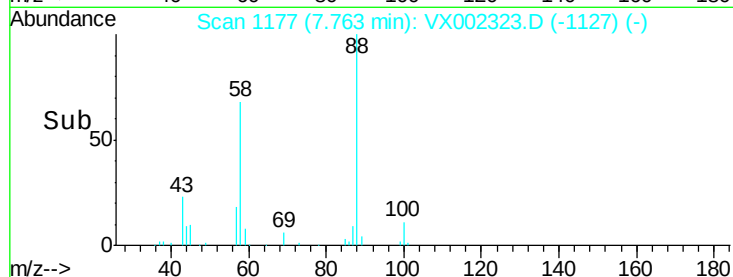
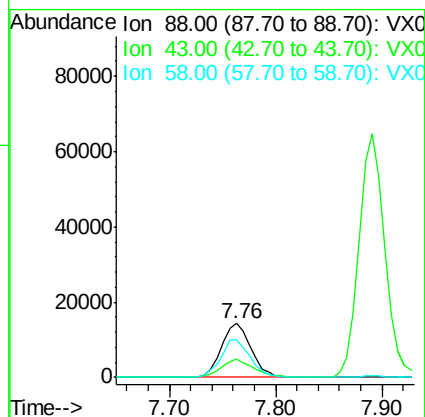
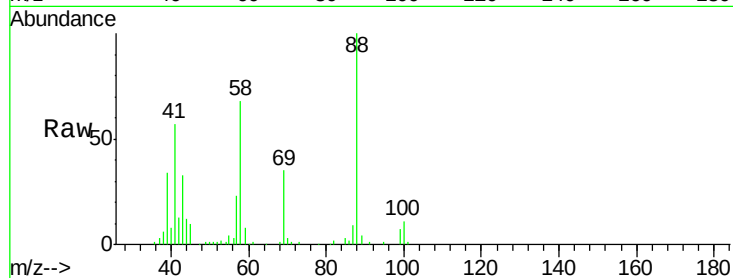




#49
1,4-Dioxane
Concen: 417.90 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

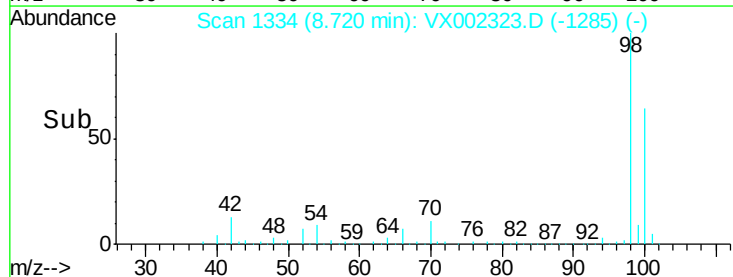
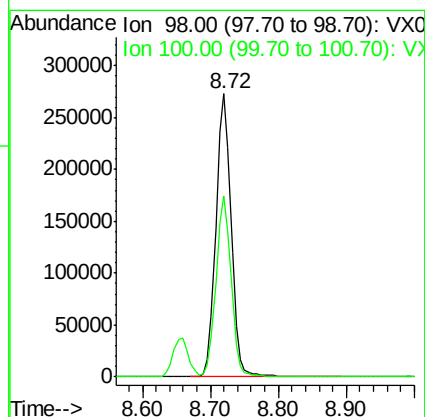
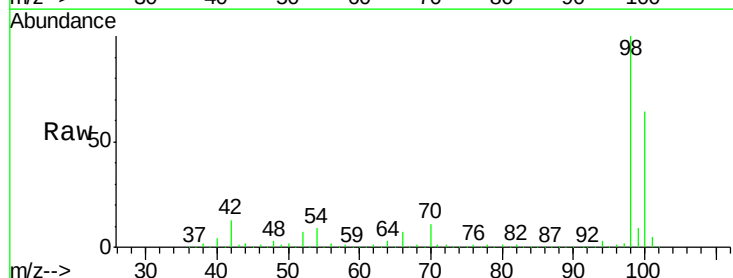
Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS02

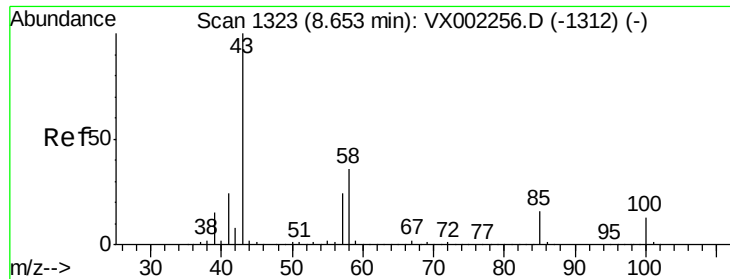
Tot Ion: 88 Resp: 28107
Ion Ratio Lower Upper
88 100
43 34.4 29.8 44.6
58 69.4 57.1 85.7



#50
Toluene-d8
Concen: 42.26 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

Tgt Ion: 98 Resp: 424826
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 99.57 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampleId :

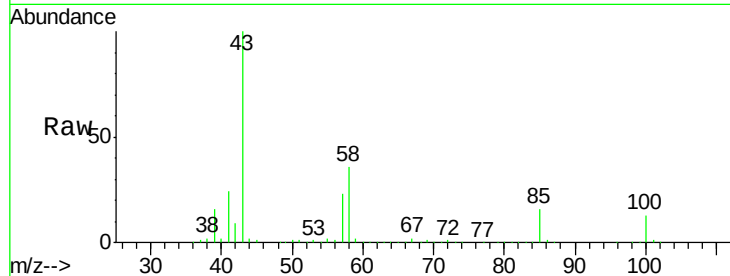
VX0605WBS02

Tot Ion: 43 Resp: 444059

Ion Ratio Lower Upper

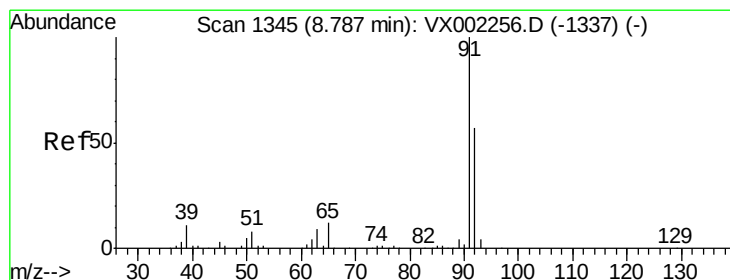
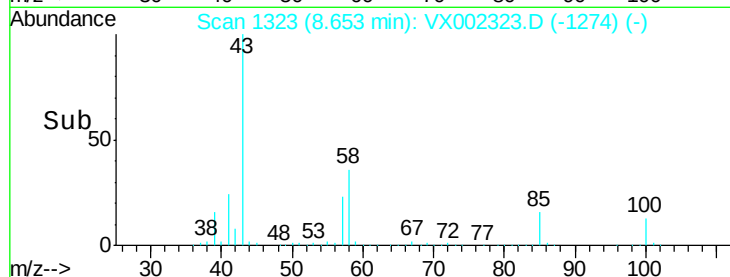
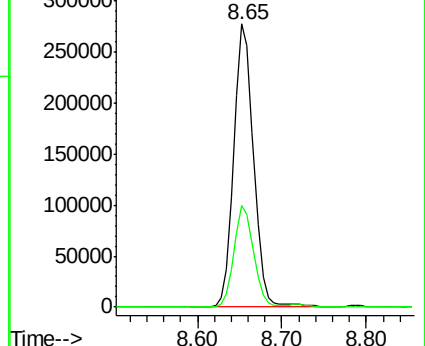
43 100

58 35.4 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 18.40 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002323.D

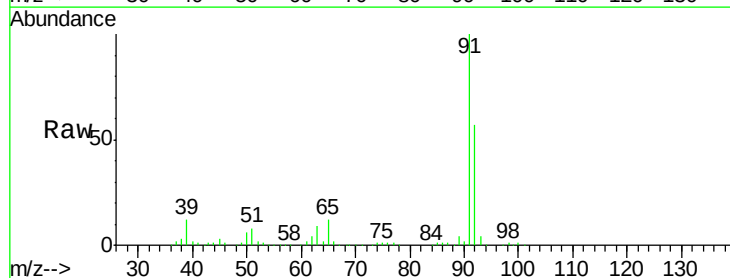
Acq: 05 Jun 2018 23:57

Tgt Ion: 92 Resp: 125808

Ion Ratio Lower Upper

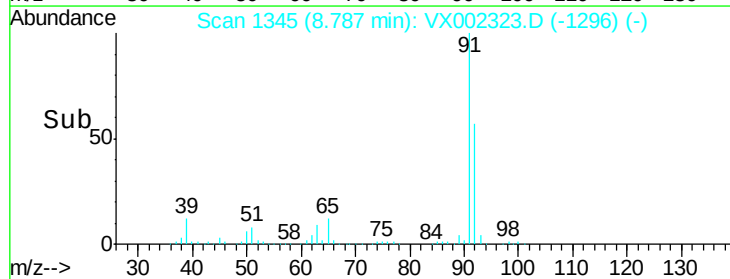
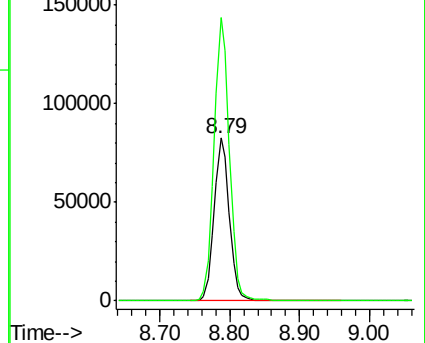
92 100

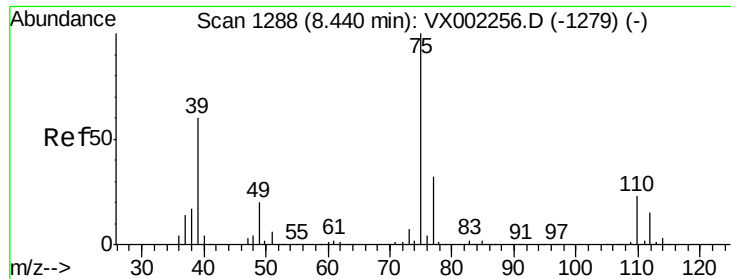
91 175.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

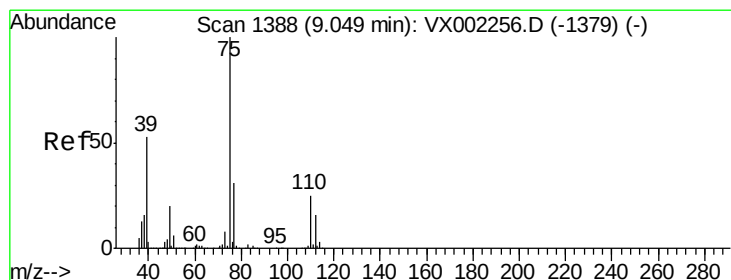
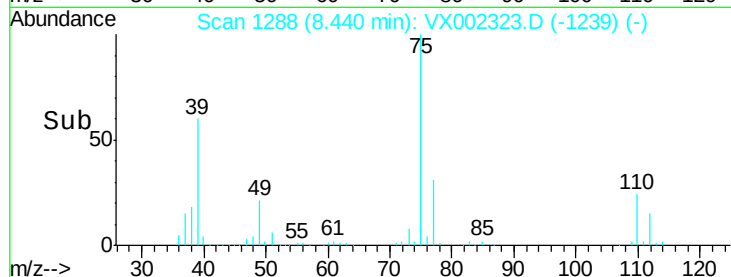
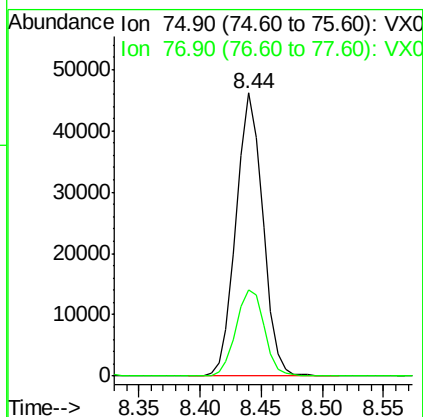
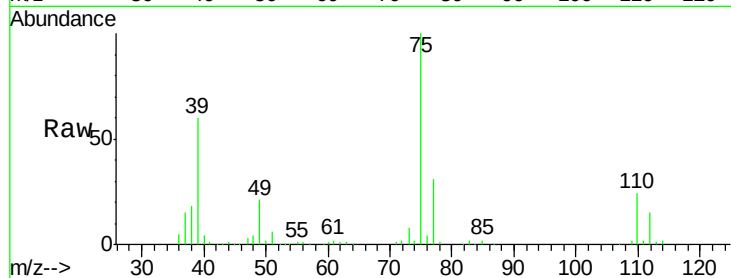




#53
t-1,3-Dichloropropene
Concen: 16.45 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

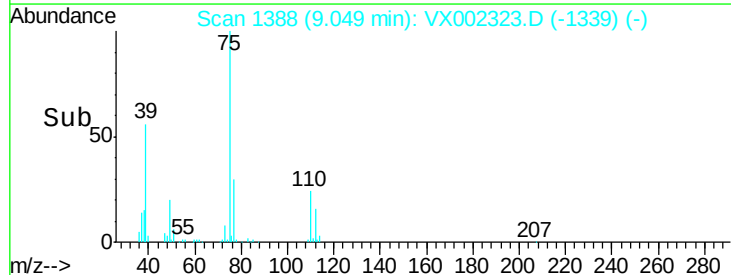
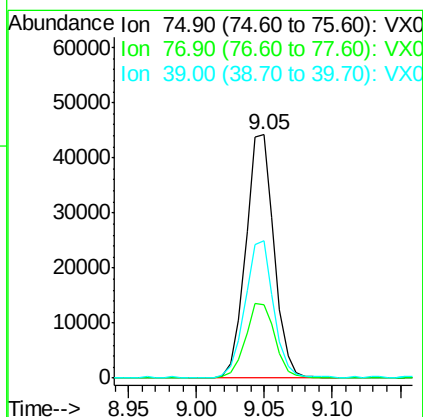
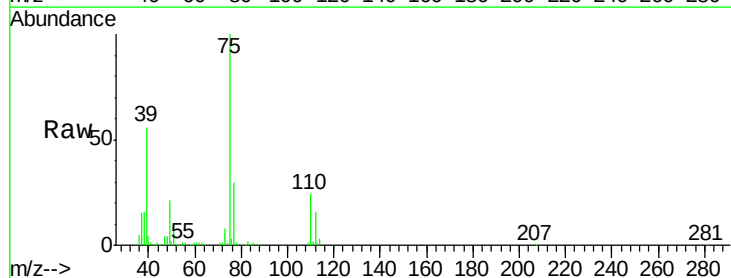
Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS02

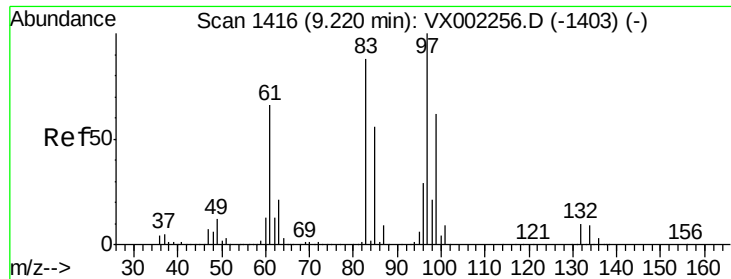
Tot Ion: 75 Resp: 70173
Ion Ratio Lower Upper
75 100
77 30.6 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 16.00 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

Tgt Ion: 75 Resp: 64401
Ion Ratio Lower Upper
75 100
77 30.2 24.8 37.2
39 55.9 42.4 63.6





#55

1,1,2-Trichloroethane

Concen: 19.29 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS02

Tot Ion: 97 Resp: 54247

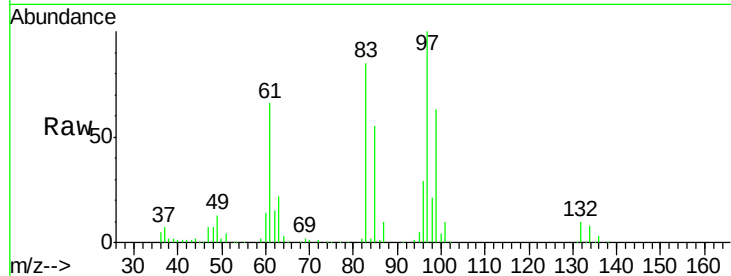
Ion Ratio Lower Upper

97 100

83 84.8 70.2 105.2

85 55.4 44.9 67.3

99 62.8 49.8 74.8



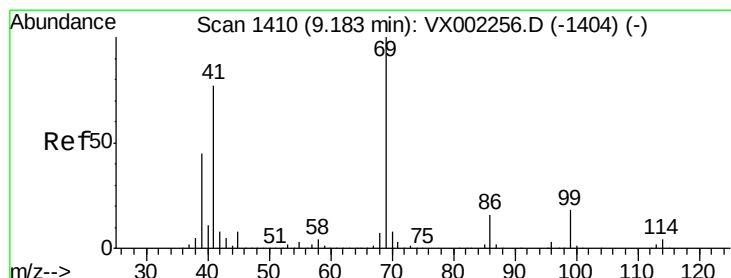
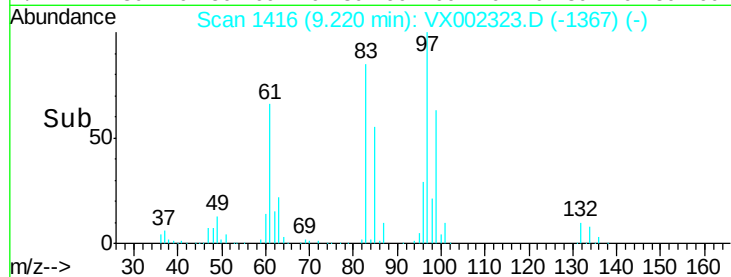
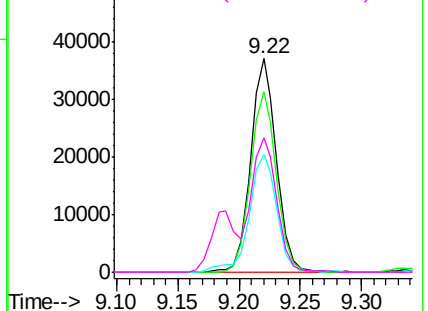
Abundance

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: 18.17 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

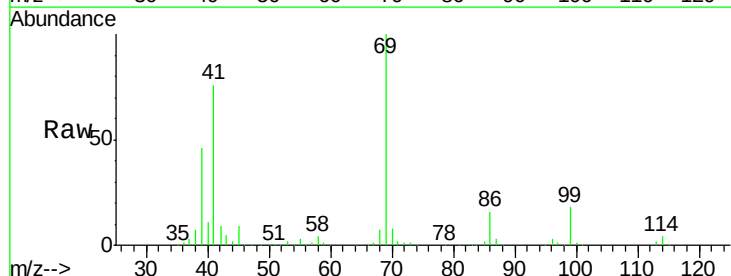
Tgt Ion: 69 Resp: 81582

Ion Ratio Lower Upper

69 100

41 75.8 60.3 90.5

39 46.4 35.8 53.8

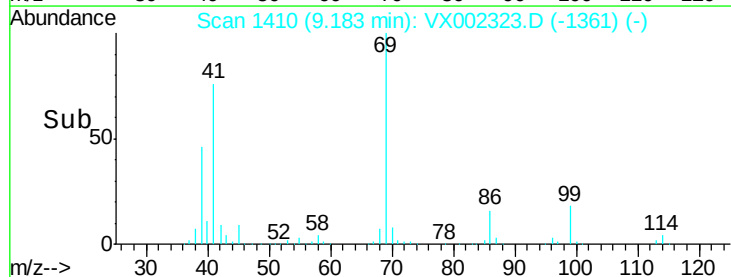
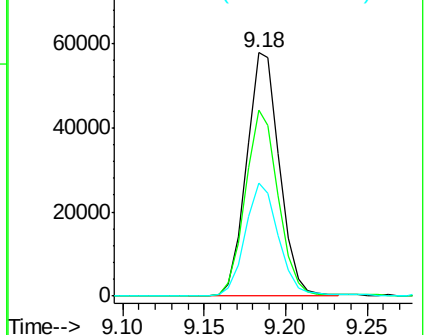


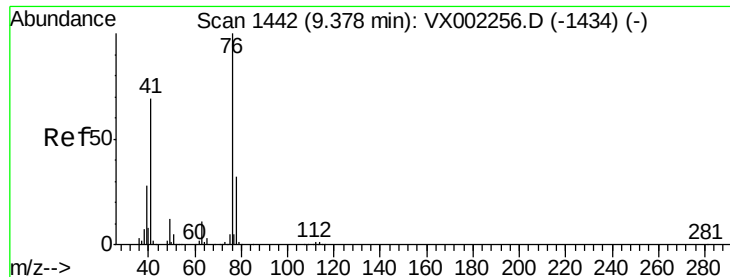
Abundance

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

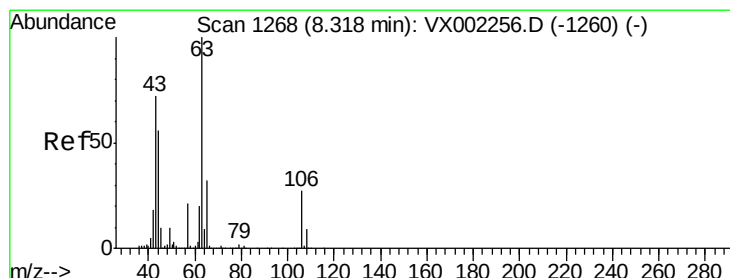
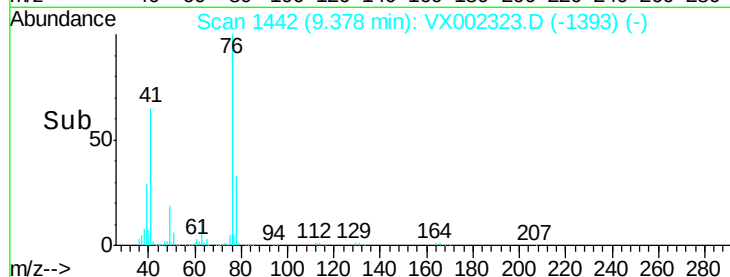
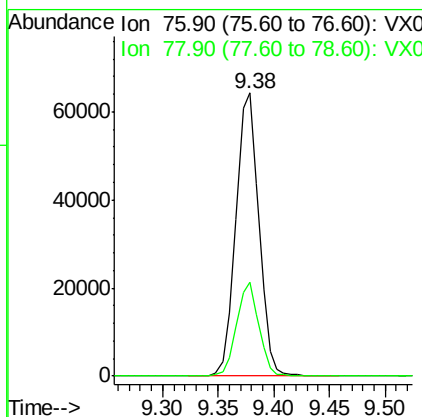
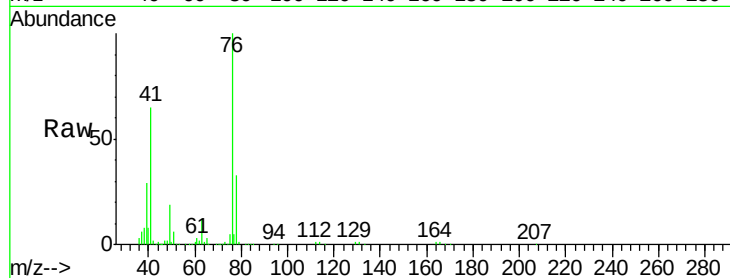




#57
 1,3-Dichloropropane
 Concen: 19.52 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX002323.D
 Acq: 05 Jun 2018 23:57

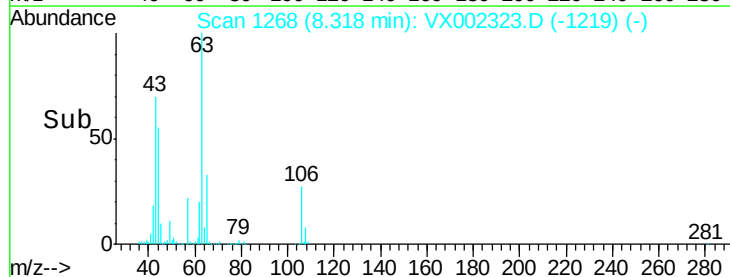
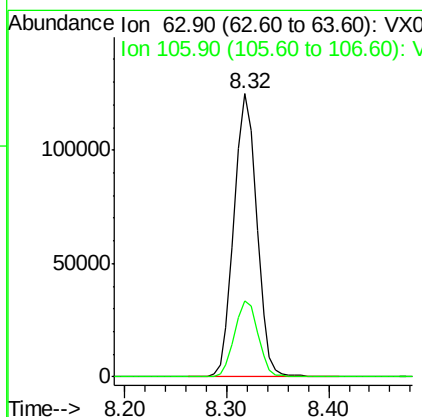
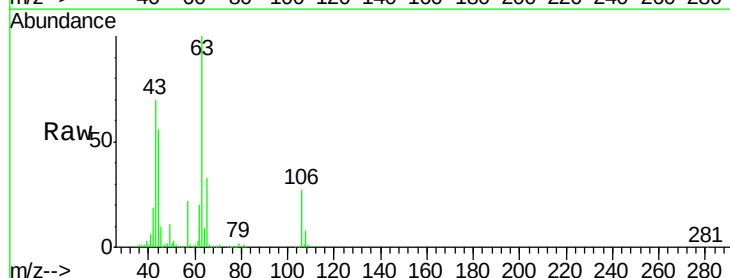
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605WBS02

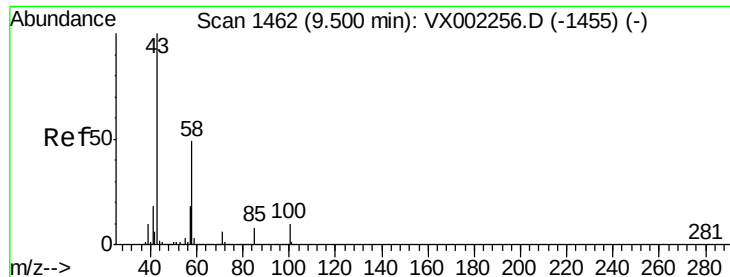
Tot Ion: 76 Resp: 92076
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.80 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX002323.D
 Acq: 05 Jun 2018 23:57

Tgt Ion: 63 Resp: 192830
 Ion Ratio Lower Upper
 63 100
 106 27.8 21.8 32.8

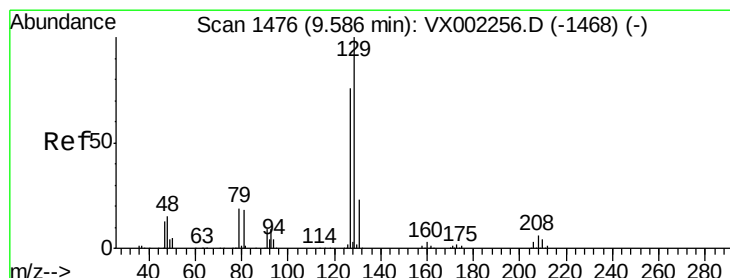
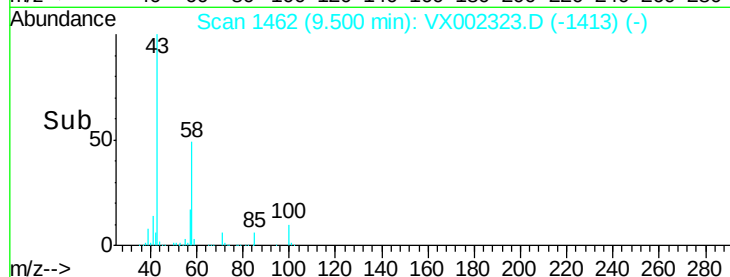
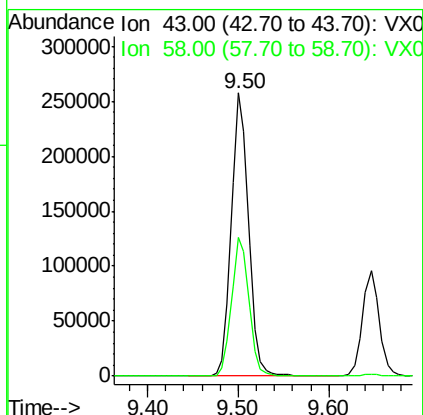
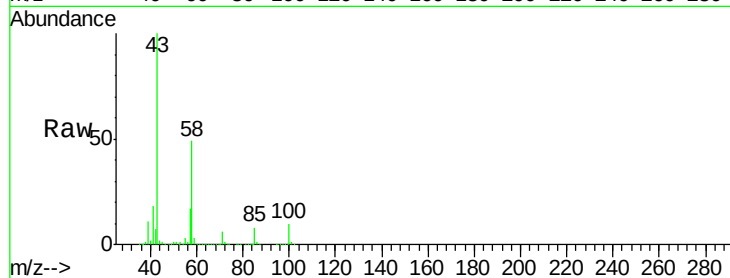




#59
2-Hexanone
Concen: 99.03 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

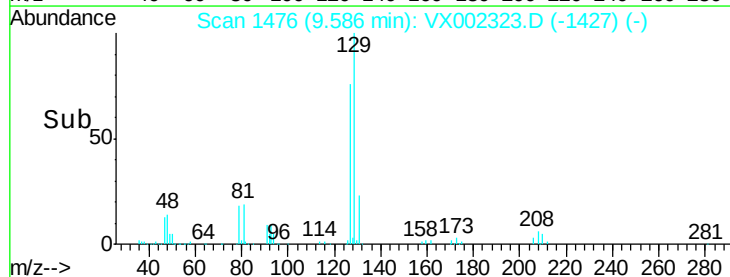
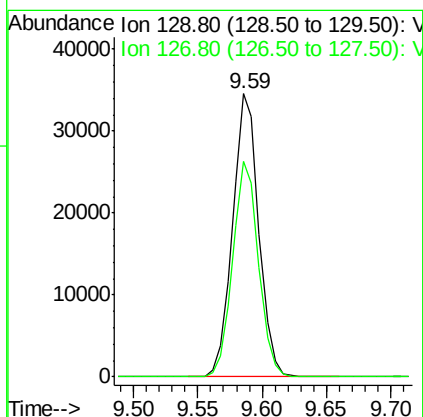
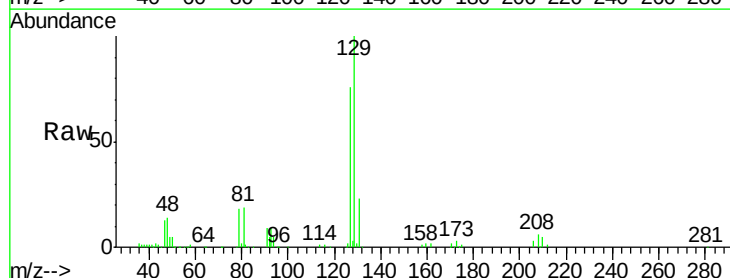
Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS02

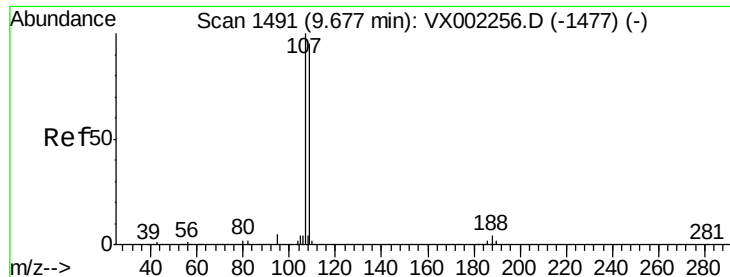
Tot Ion: 43 Resp: 341113
Ion Ratio Lower Upper
43 100
58 49.4 24.6 73.6



#60
Dibromochloromethane
Concen: 17.22 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

Tgt Ion: 129 Resp: 48692
Ion Ratio Lower Upper
129 100
127 75.5 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.13 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampleId :

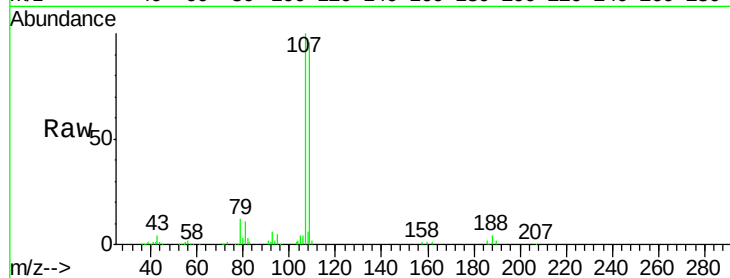
VX0605WBS02

Tot Ion:107 Resp: 56076

Ion Ratio Lower Upper

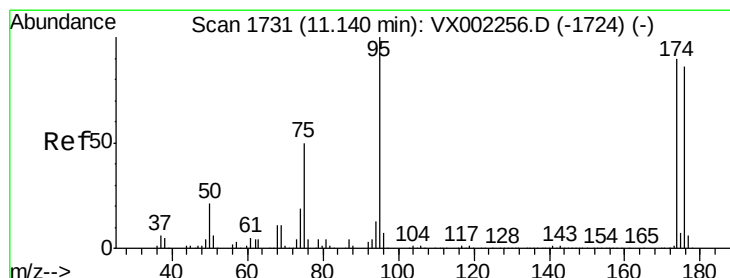
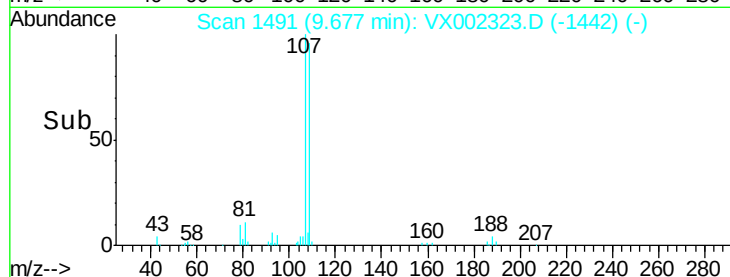
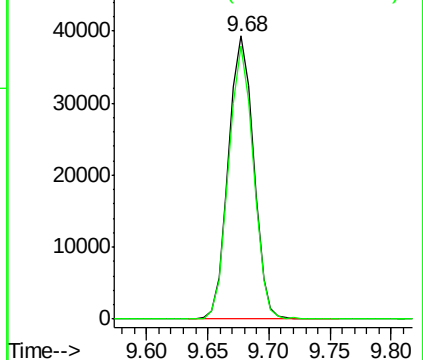
107 100

109 94.7 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 40.69 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

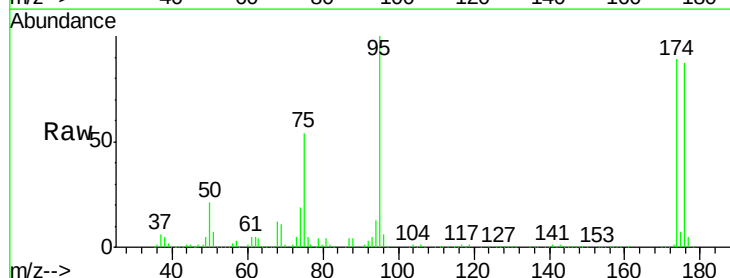
Tgt Ion: 95 Resp: 157726

Ion Ratio Lower Upper

95 100

174 94.4 0.0 187.4

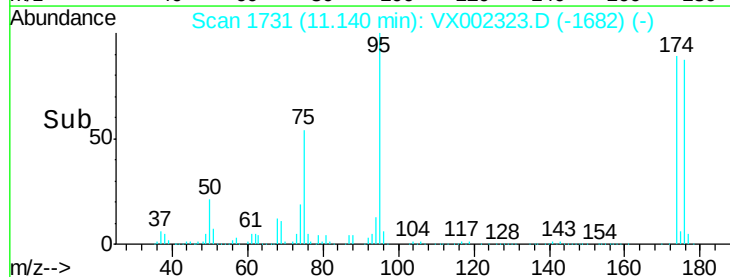
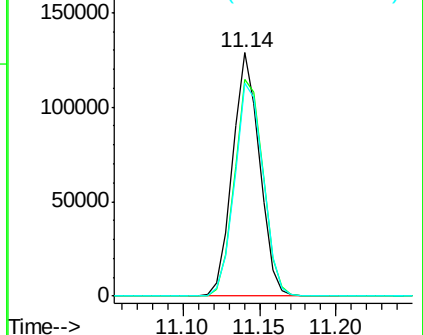
176 92.3 0.0 181.0

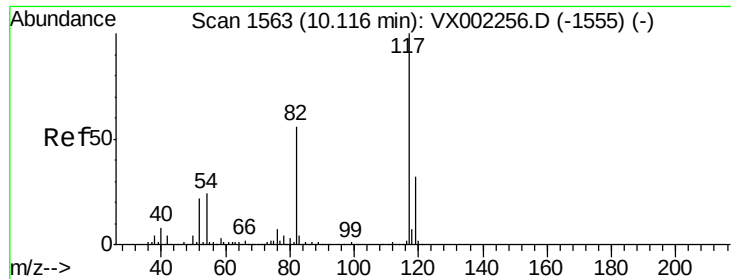


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

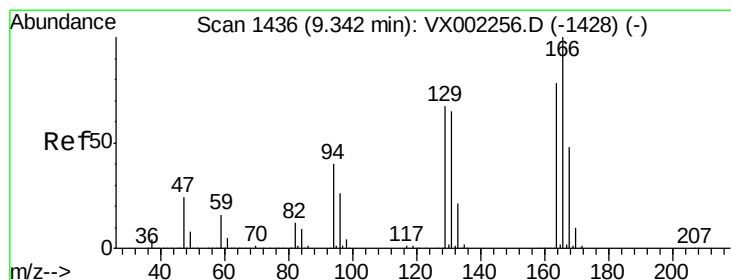
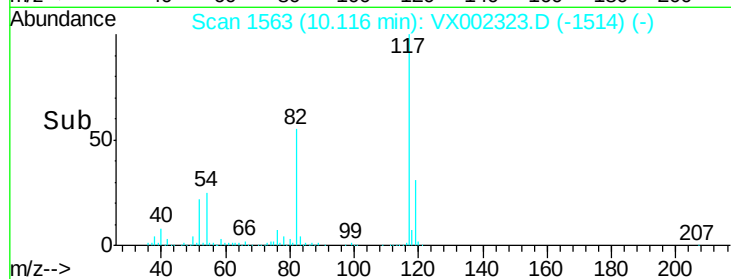
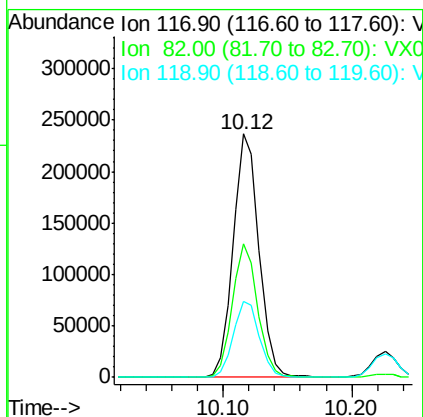
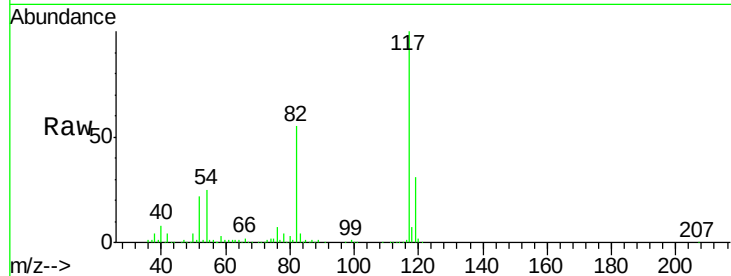




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

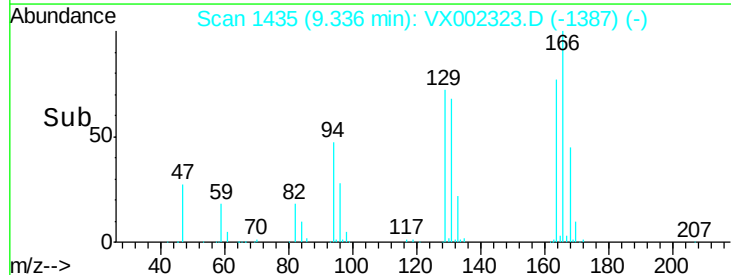
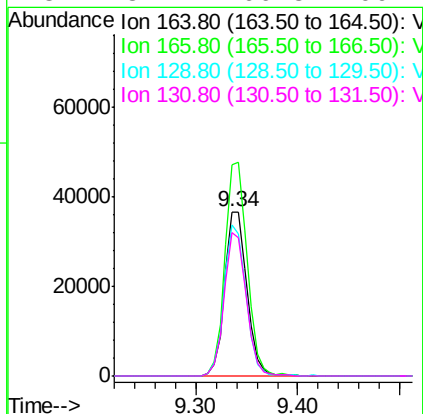
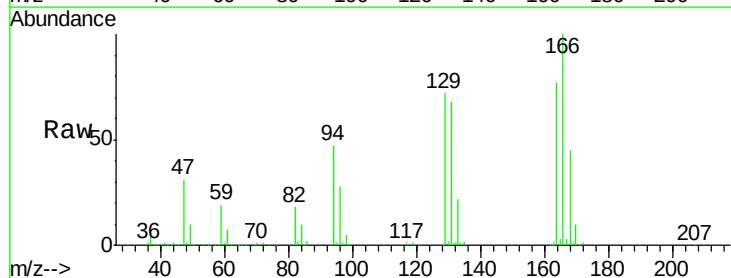
Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS02

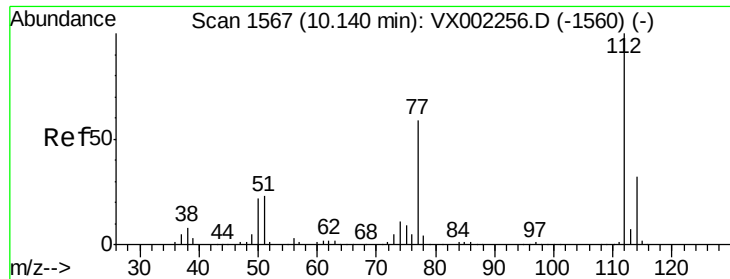
Tot Ion:117 Resp: 329252
Ion Ratio Lower Upper
117 100
82 54.6 45.0 67.4
119 31.2 25.8 38.6



#64
Tetrachloroethene
Concen: 16.32 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

Tgt Ion:164 Resp: 55403
Ion Ratio Lower Upper
164 100
166 129.1 102.9 154.3
129 92.5 68.6 102.8
131 87.2 66.8 100.2





#65

Chlorobenzene

Concen: 17.84 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampleId :

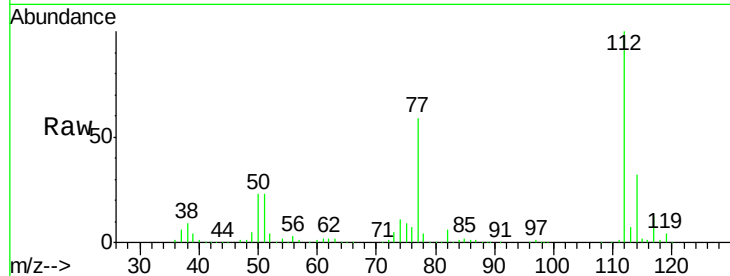
VX0605WBS02

Tot Ion:112 Resp: 146197

Ion Ratio Lower Upper

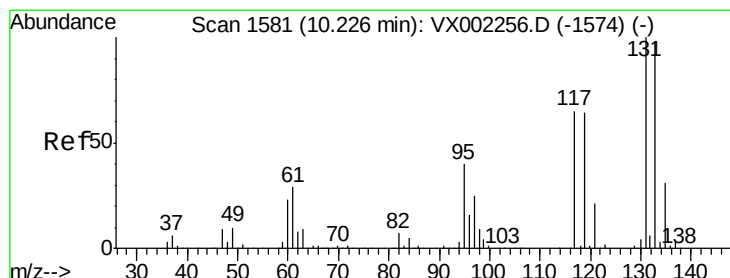
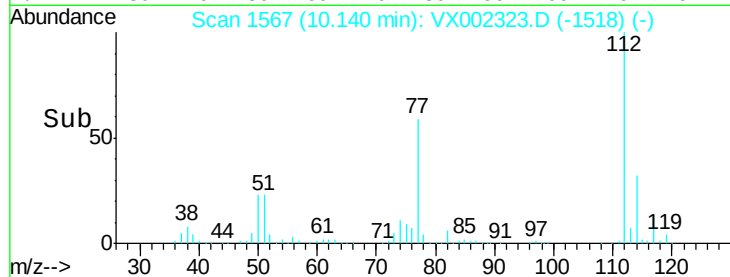
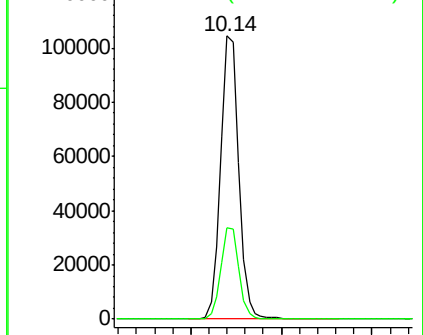
112 100

114 32.3 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 17.36 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

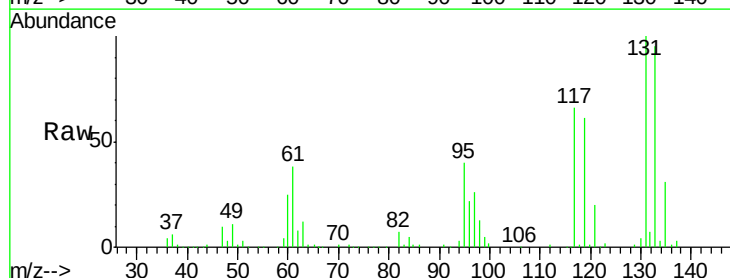
Tgt Ion:131 Resp: 51488

Ion Ratio Lower Upper

131 100

133 94.5 47.9 143.6

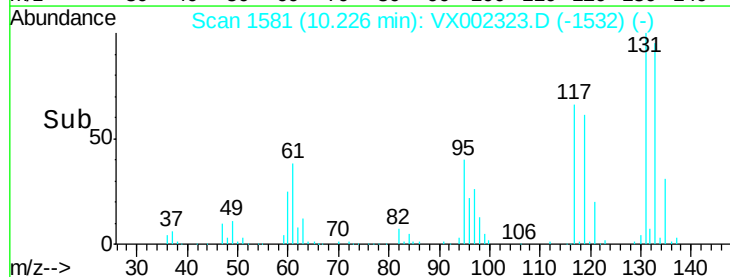
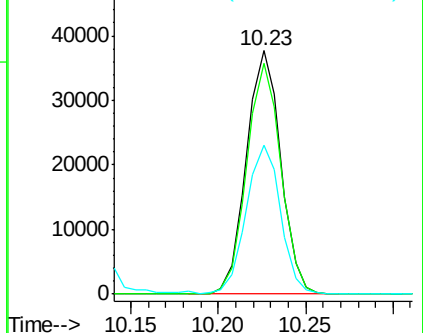
119 61.3 31.8 95.3

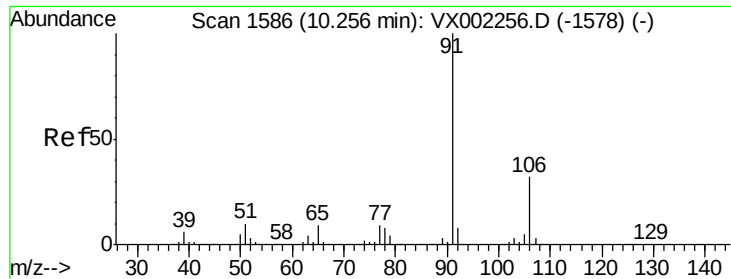


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 17.41 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampled :

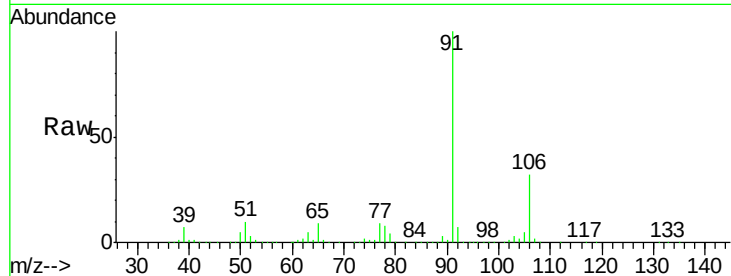
VX0605WBS02

Tot Ion: 91 Resp: 238701

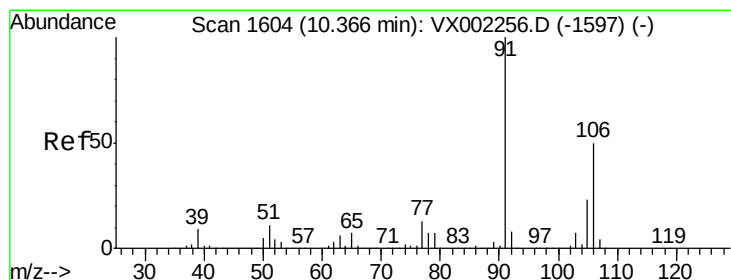
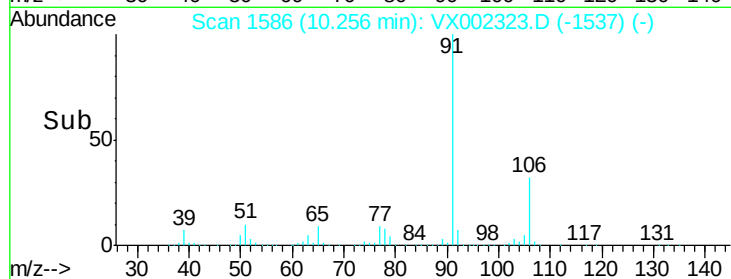
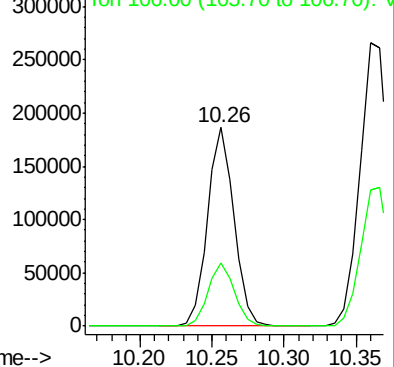
Ion Ratio Lower Upper

91 100

106 32.1 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX002256.D (-1578) (-)



#68

m/p-Xylenes

Concen: 34.57 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX002323.D

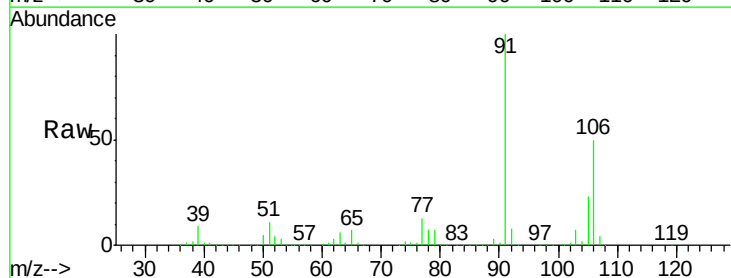
Acq: 05 Jun 2018 23:57

Tgt Ion: 106 Resp: 184259

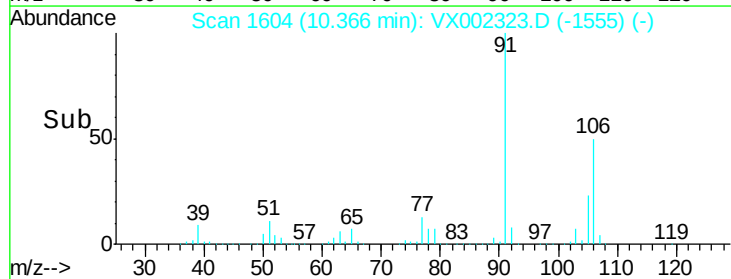
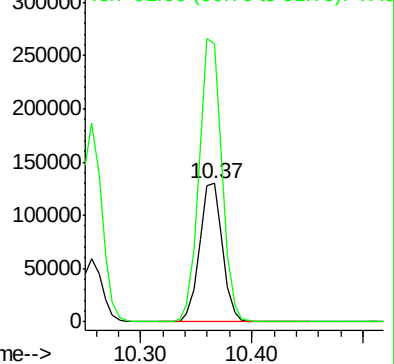
Ion Ratio Lower Upper

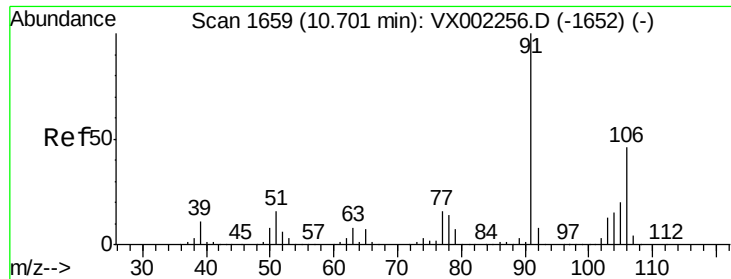
106 100

91 203.9 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VX002256.D (-1597) (-)

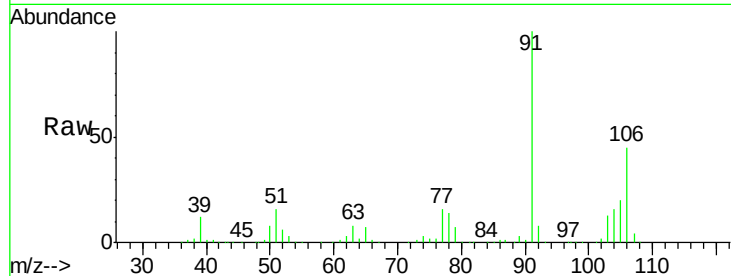




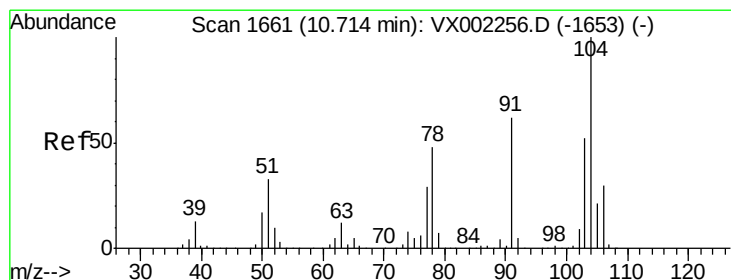
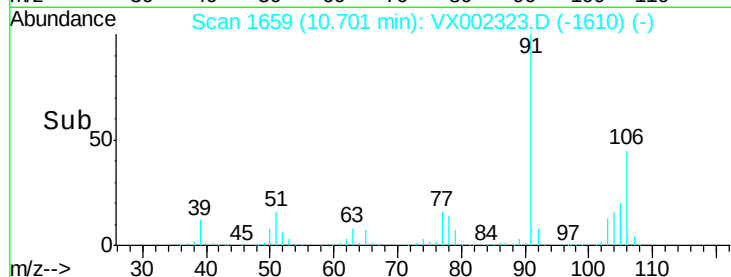
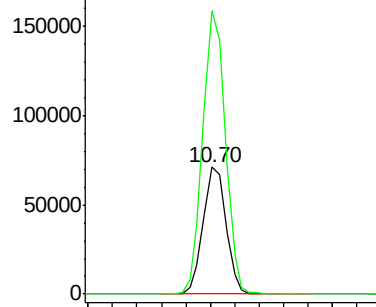
#69
o-Xylene
Concen: 17.43 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS02

Tot Ion:106 Resp: 92449
Ion Ratio Lower Upper
106 100
91 219.1 108.2 324.6

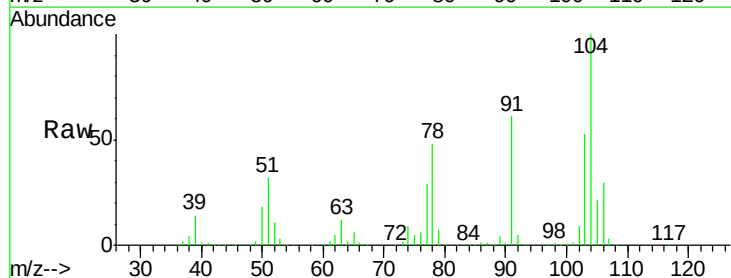


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

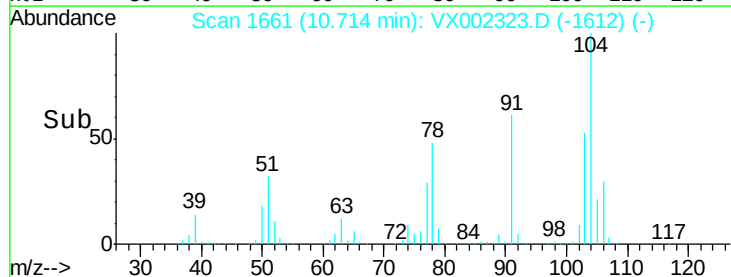
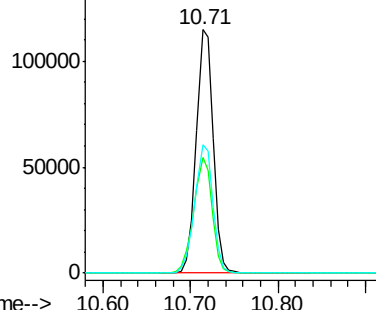


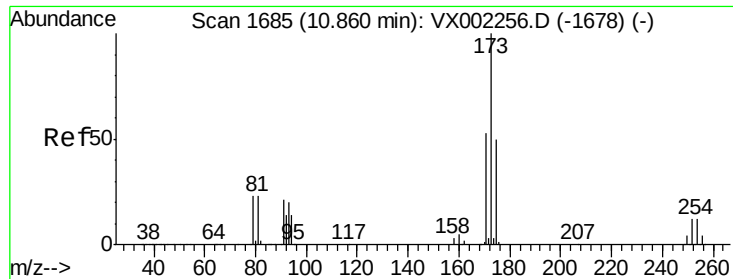
#70
Styrene
Concen: 17.75 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

Tgt Ion:104 Resp: 153927
Ion Ratio Lower Upper
104 100
78 51.4 41.0 61.6
103 56.6 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: 15.72 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS02

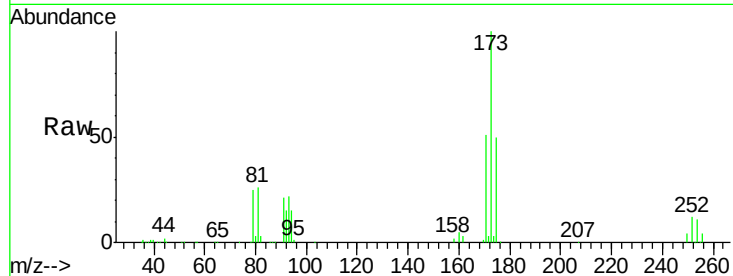
Tot Ion:173 Resp: 34991

Ion Ratio Lower Upper

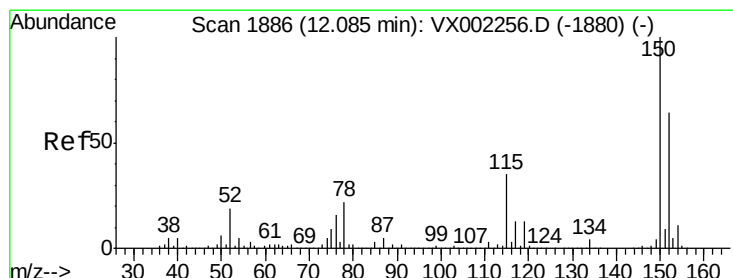
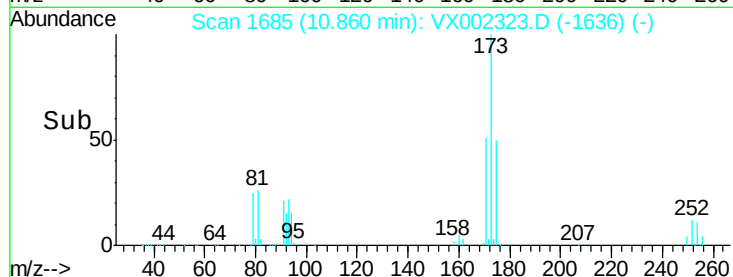
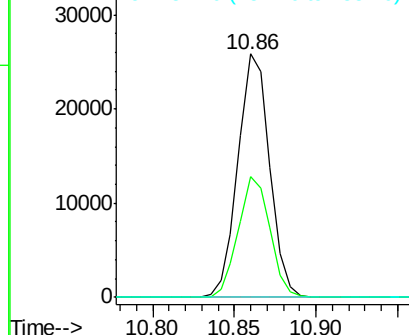
173 100

175 49.9 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: VX002323.D

Acq: 05 Jun 2018 23:57

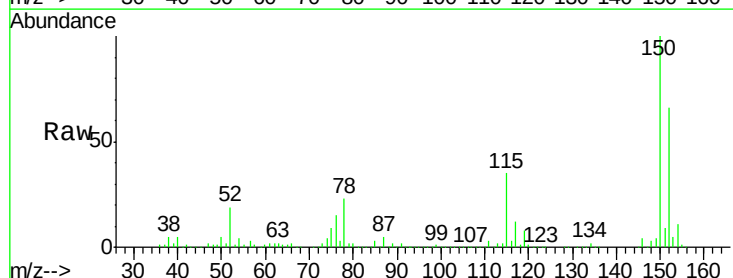
Tgt Ion:152 Resp: 195780

Ion Ratio Lower Upper

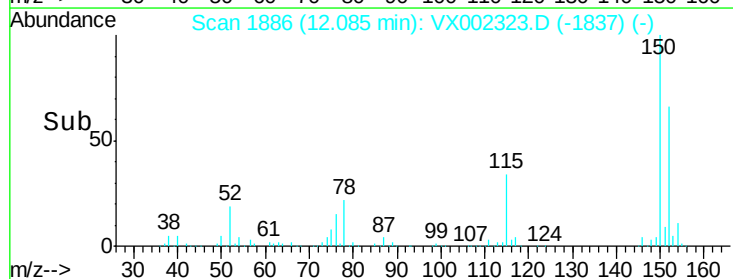
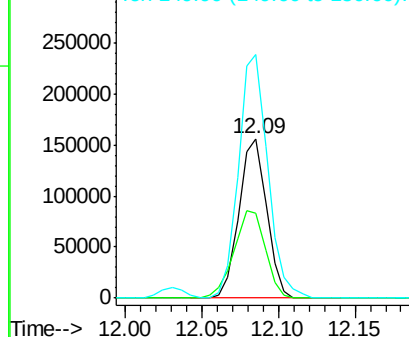
152 100

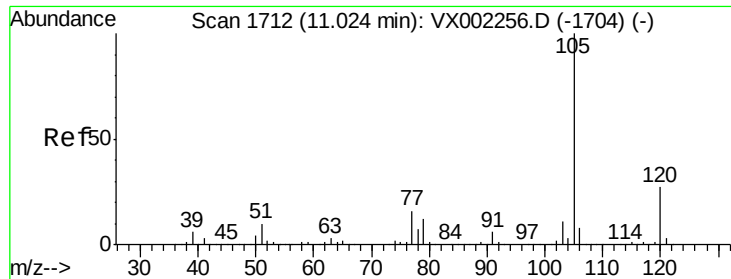
115 62.5 40.1 120.2

150 161.4 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: 17.32 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampleId :

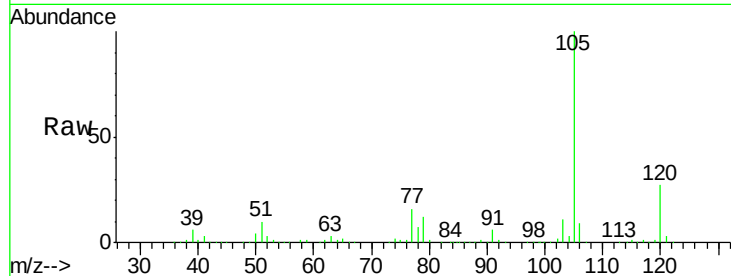
VX0605WBS02

Tot Ion:105 Resp: 235840

Ion Ratio Lower Upper

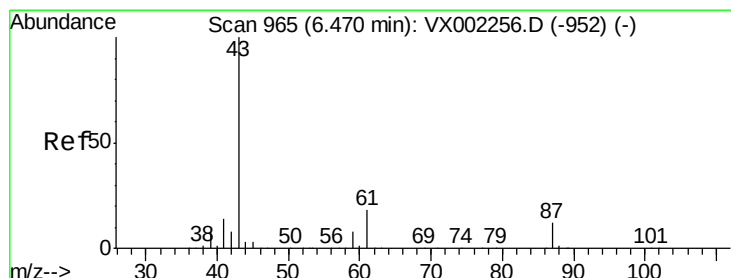
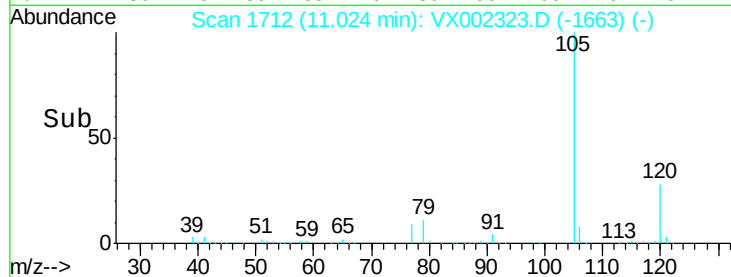
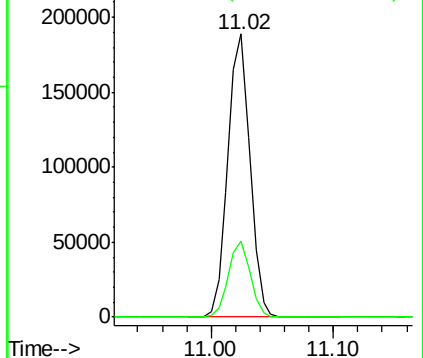
105 100

120 26.6 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: 17.96 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Tgt Ion: 43 Resp: 131792

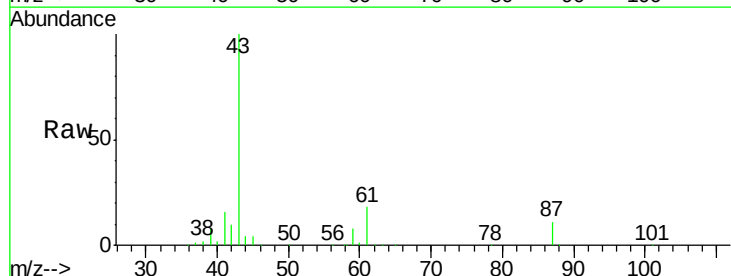
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.2 14.4 21.6

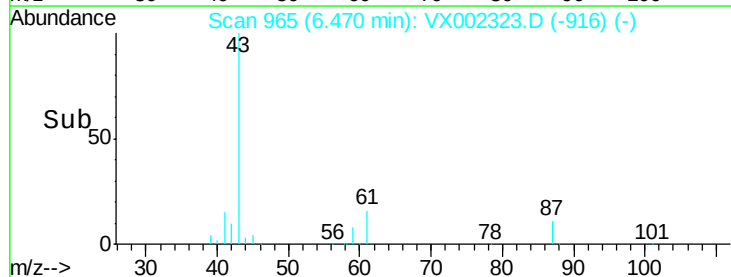
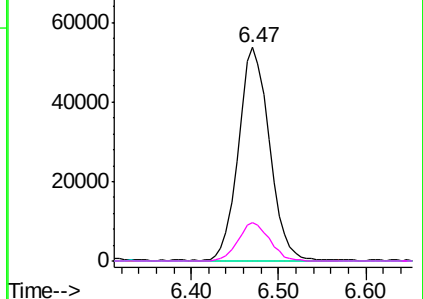


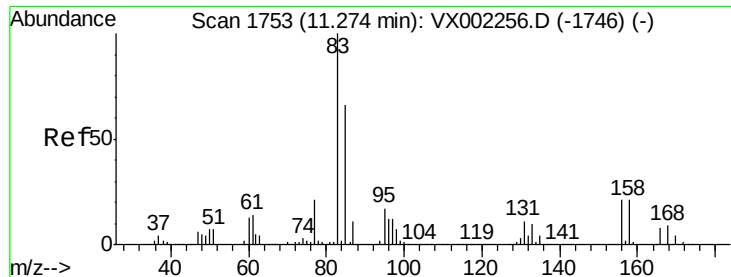
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 18.95 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS02

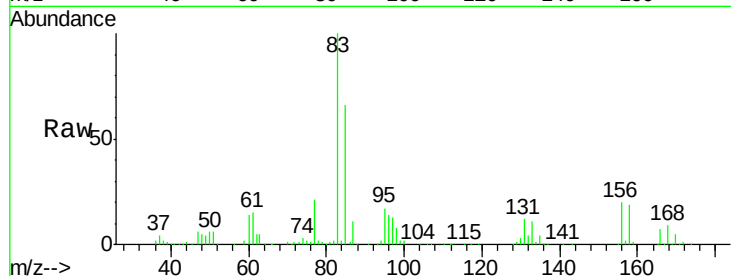
Tot Ion: 83 Resp: 81171

Ion Ratio Lower Upper

83 100

131 10.7 5.6 16.8

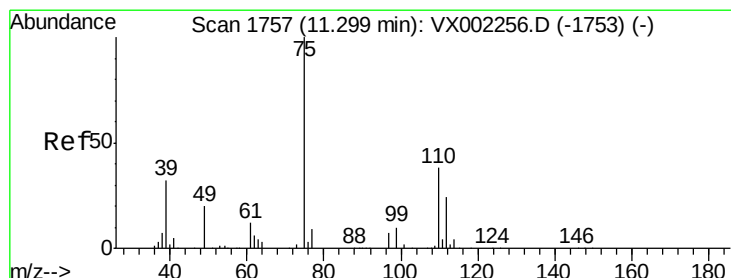
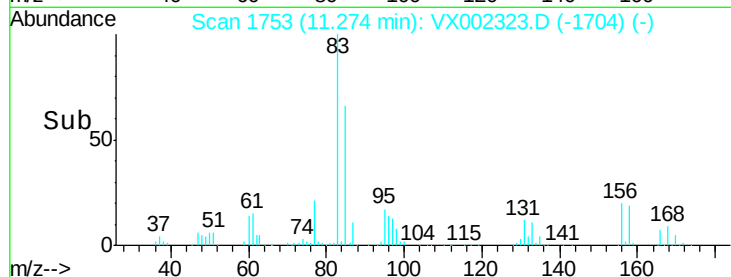
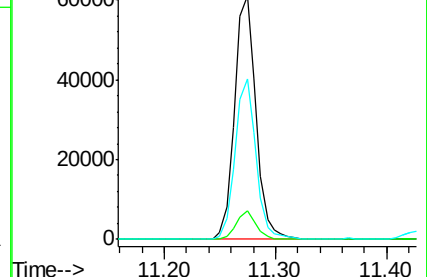
85 64.5 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.88 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX002323.D

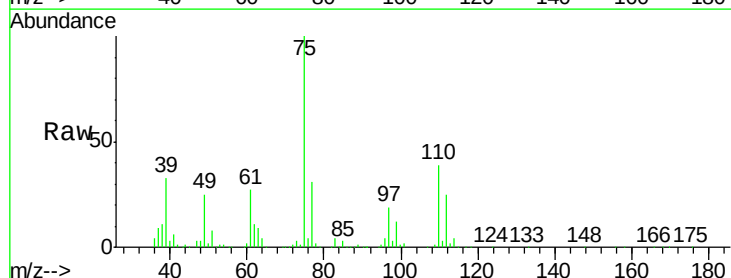
Acq: 05 Jun 2018 23:57

Tgt Ion: 75 Resp: 89684

Ion Ratio Lower Upper

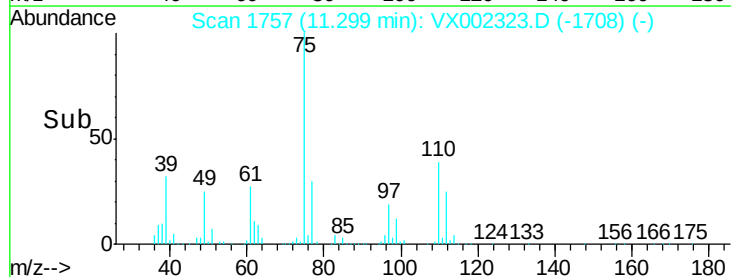
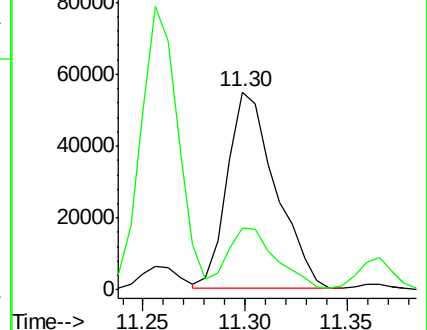
75 100

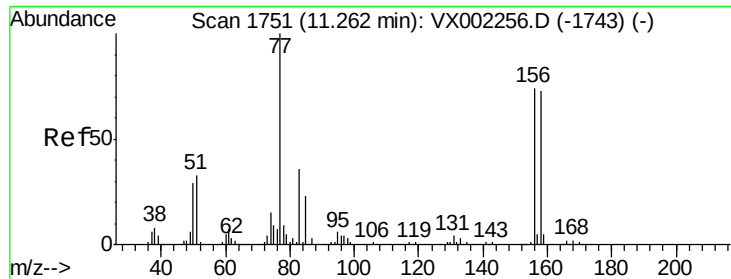
77 32.2 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.04 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampled :

VX0605WBS02

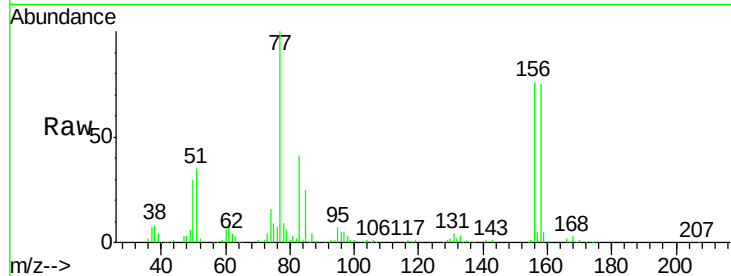
Tot Ion:156 Resp: 68967

Ion Ratio Lower Upper

156 100

77 144.6 71.4 214.2

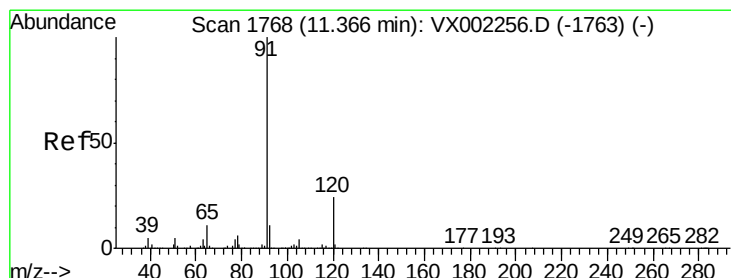
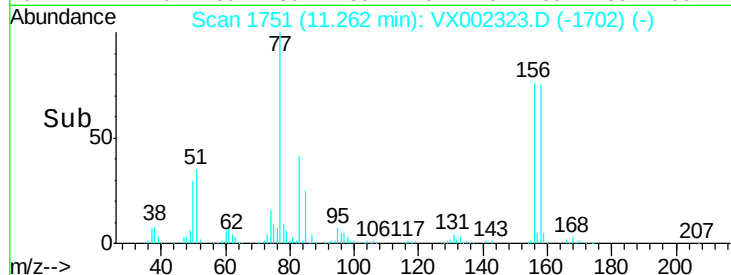
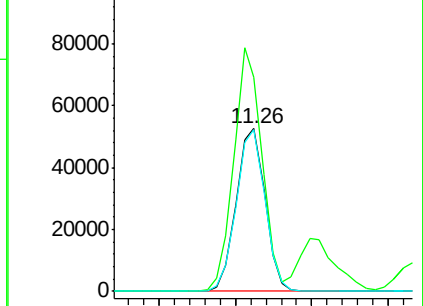
158 98.9 48.9 146.6



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: 17.05 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002323.D

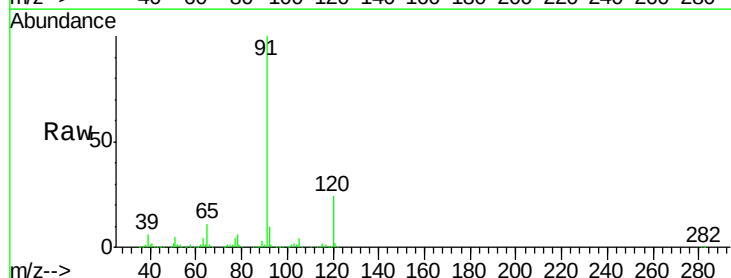
Acq: 05 Jun 2018 23:57

Tgt Ion: 91 Resp: 258030

Ion Ratio Lower Upper

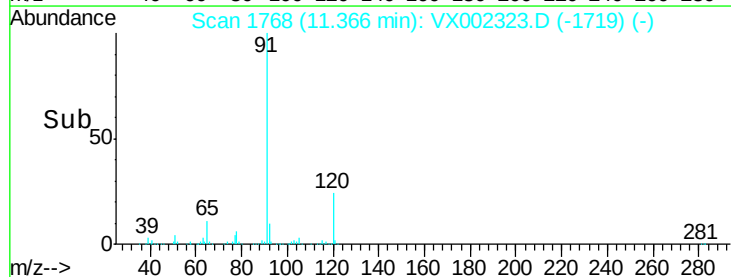
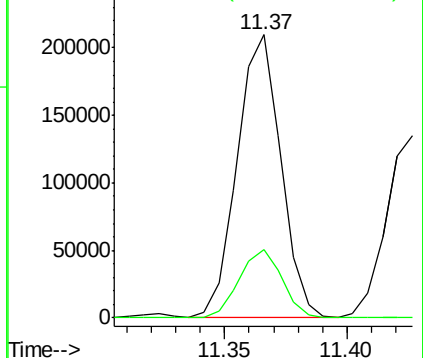
91 100

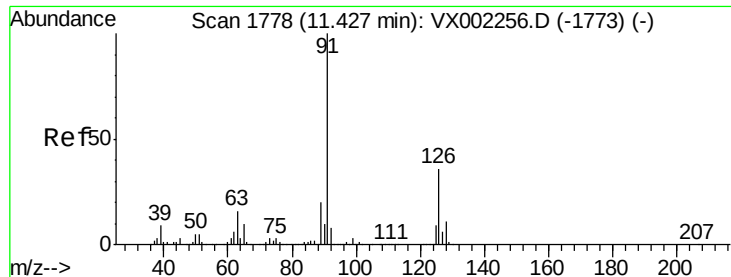
120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.68 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampleId :

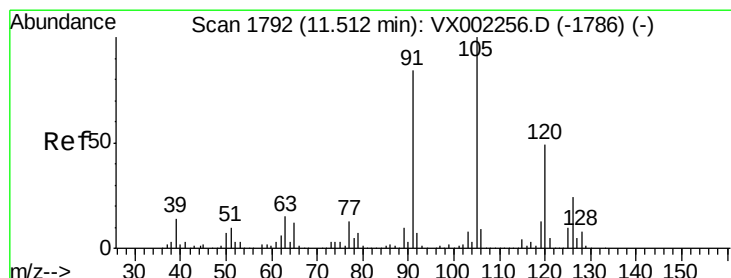
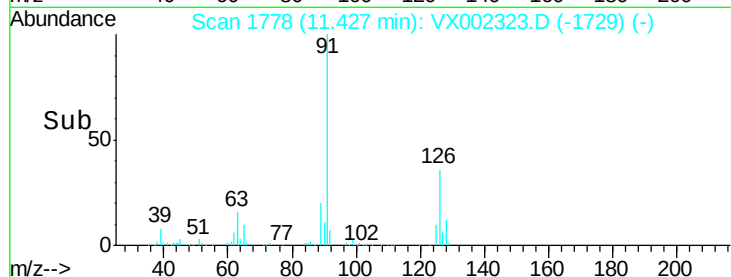
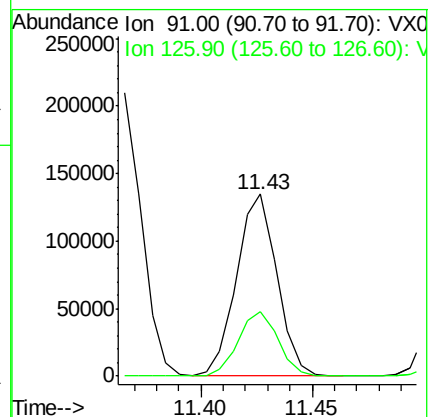
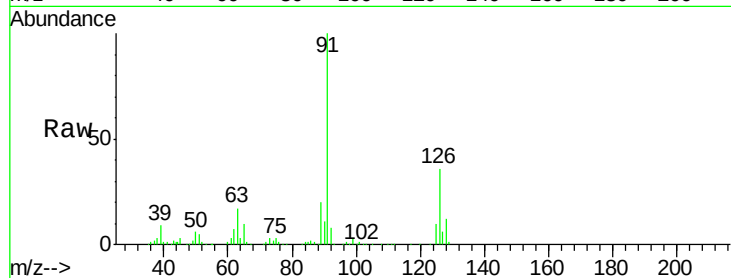
VX0605WBS02

Tot Ion: 91 Resp: 168966

Ion Ratio Lower Upper

91 100

126 35.3 17.7 53.1



#80

1,3,5-Trimethylbenzene

Concen: 17.48 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002323.D

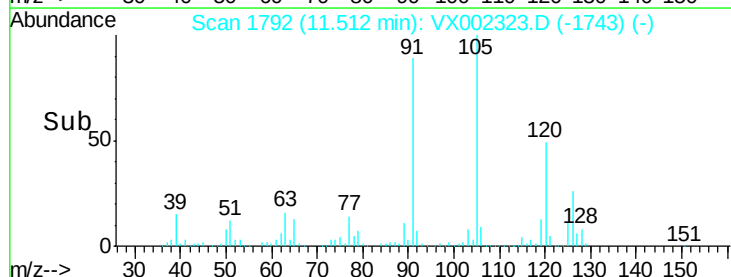
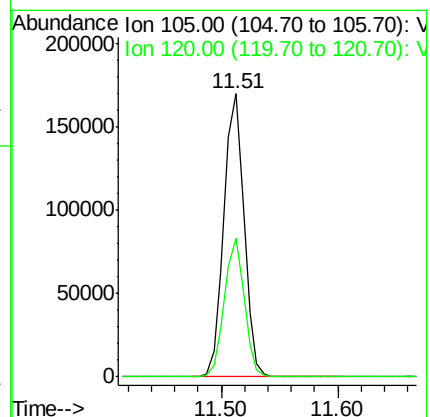
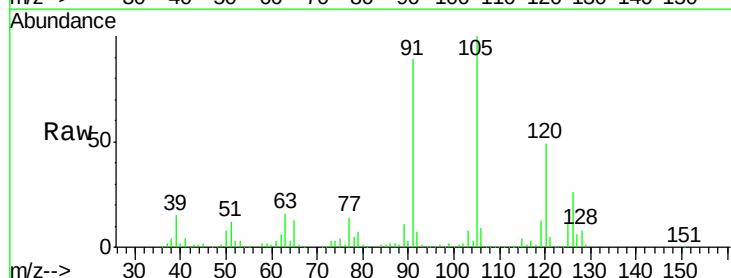
Acq: 05 Jun 2018 23:57

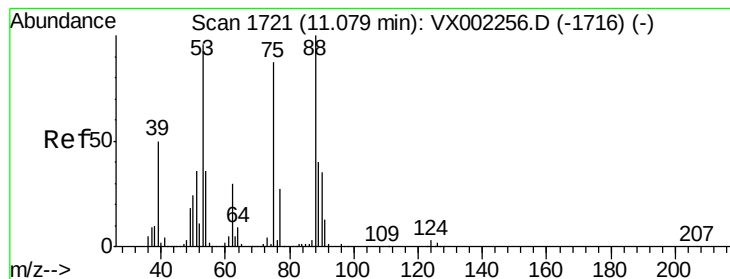
Tgt Ion: 105 Resp: 204138

Ion Ratio Lower Upper

105 100

120 48.3 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 13.24 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS02

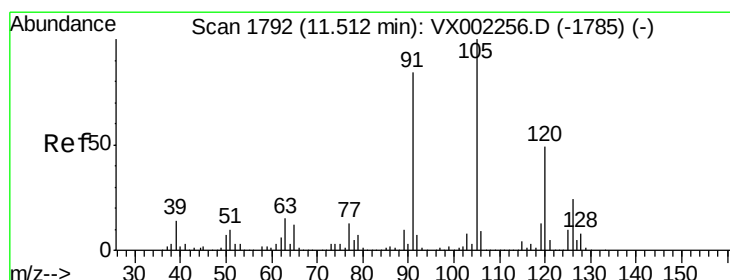
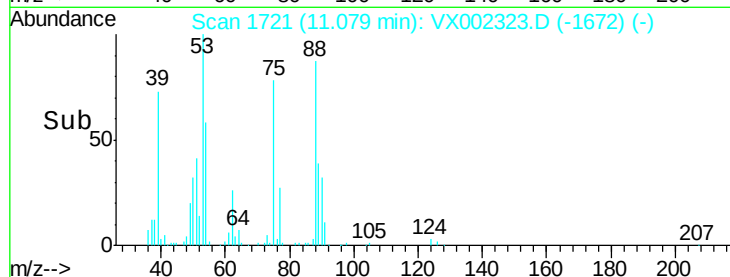
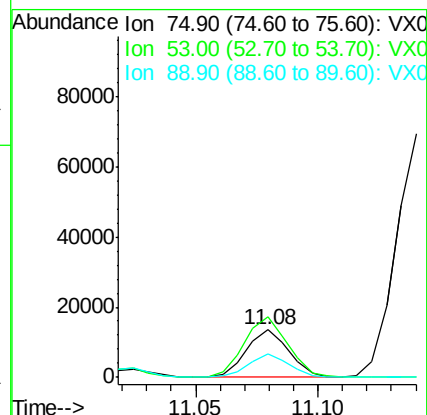
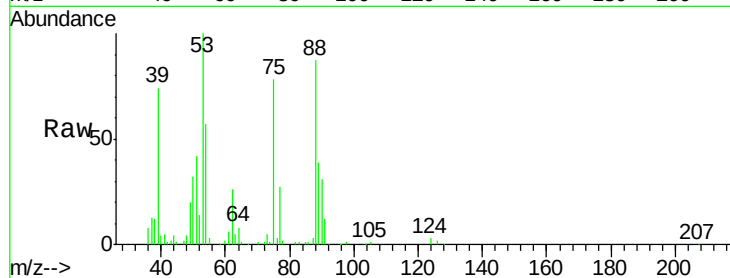
Tot Ion: 75 Resp: 16228

Ion Ratio Lower Upper

75 100

53 134.0 86.8 130.2#

89 48.7 38.2 57.2



#82

4-Chlorotoluene

Concen: 17.71 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002323.D

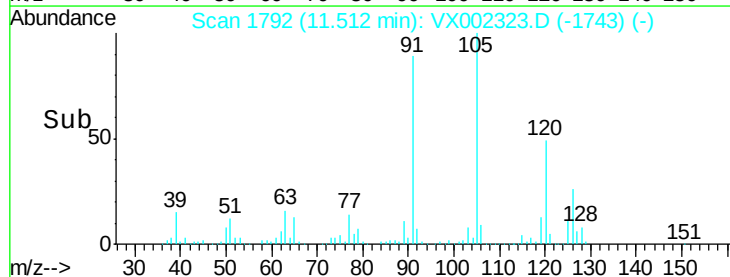
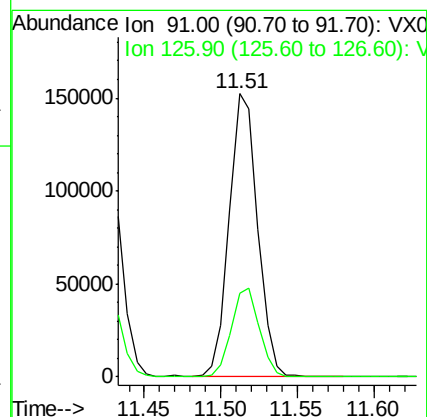
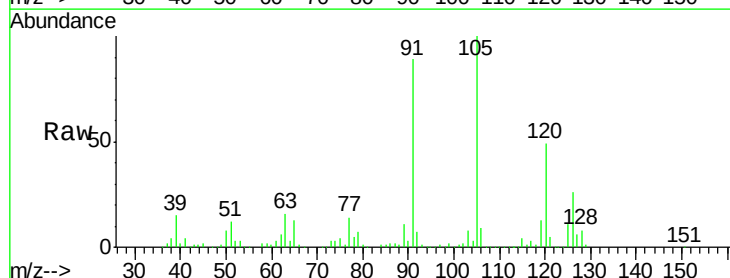
Acq: 05 Jun 2018 23:57

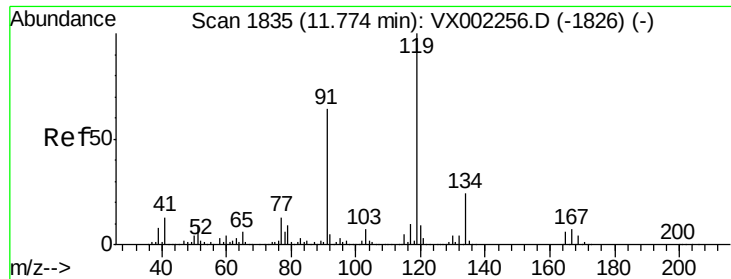
Tgt Ion: 91 Resp: 195386

Ion Ratio Lower Upper

91 100

126 31.2 15.4 46.4

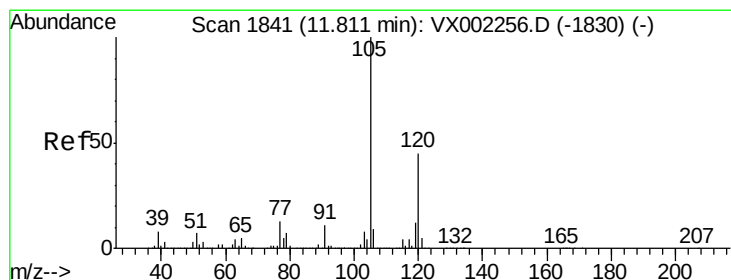
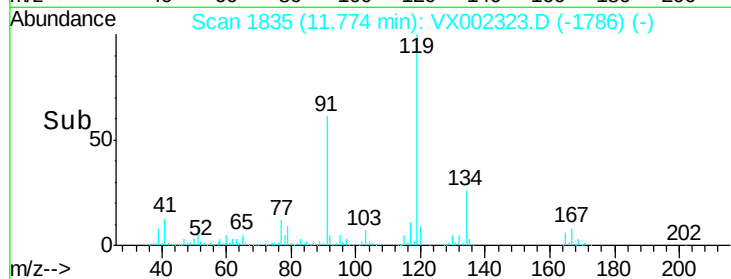
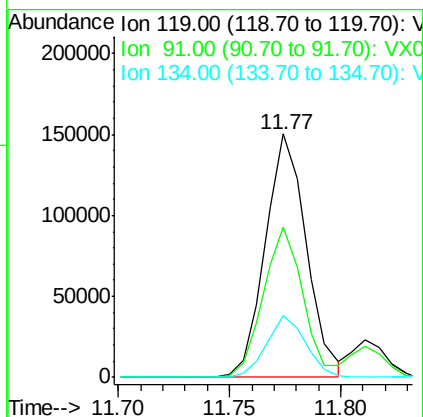
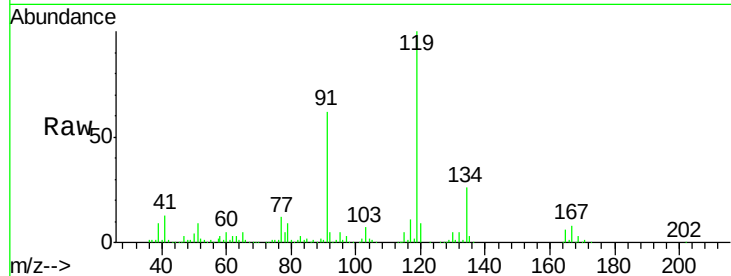




#83
 tert-Butylbenzene
 Concen: 16.92 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX002323.D
 Acq: 05 Jun 2018 23:57

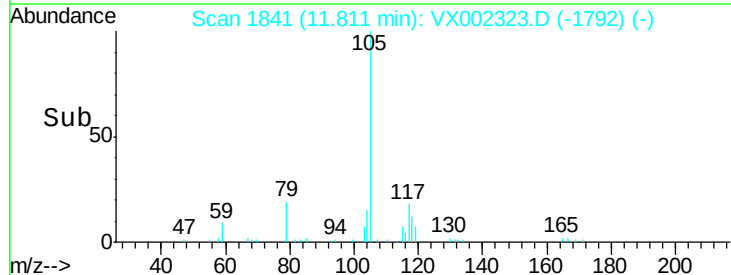
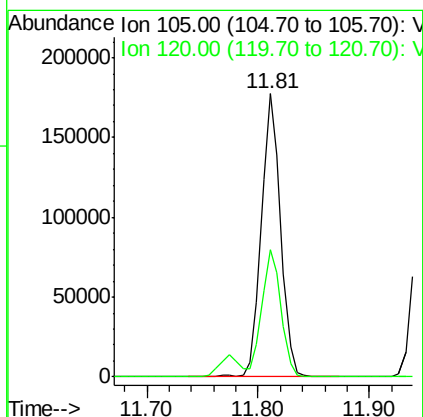
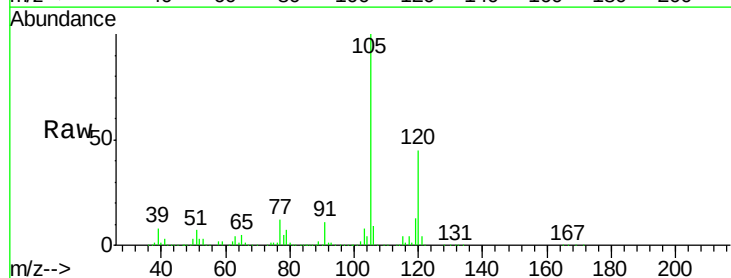
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605WBS02

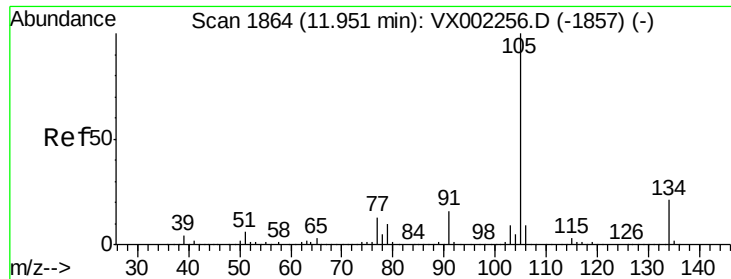
Tot Ion:119 Resp: 192432
 Ion Ratio Lower Upper
 119 100
 91 60.2 30.3 90.9
 134 24.5 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 17.90 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002323.D
 Acq: 05 Jun 2018 23:57

Tgt Ion:105 Resp: 215199
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.3 66.8





#85

sec-Butylbenzene

Concen: 16.45 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampleId :

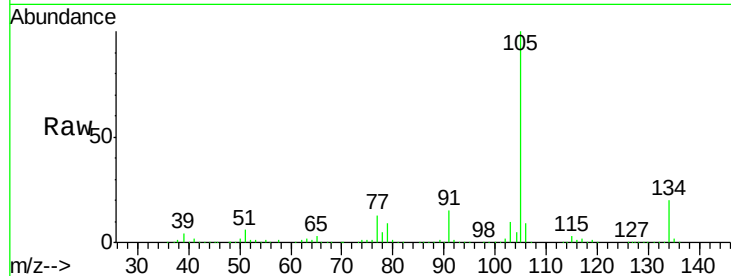
VX0605WBS02

Tot Ion:105 Resp: 219342

Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

200000

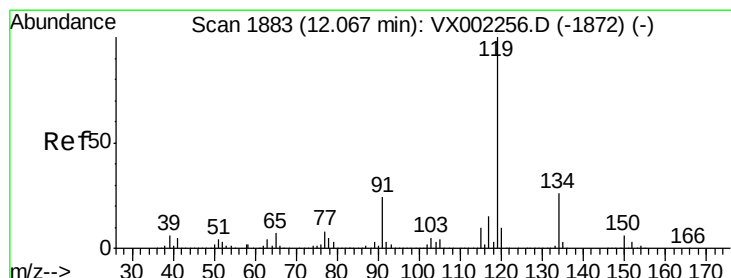
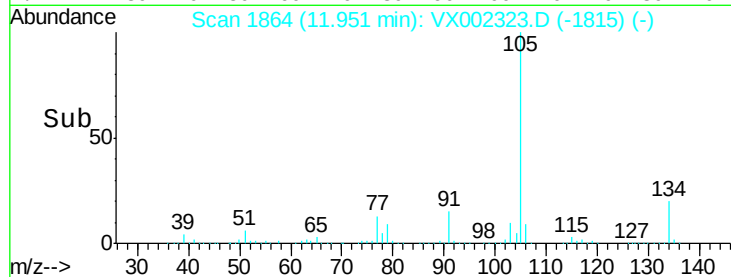
150000

100000

50000

0

Time--> 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 16.34 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

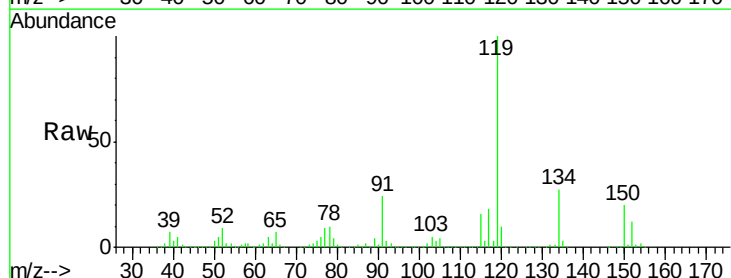
Tgt Ion:119 Resp: 198519

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 24.3 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

12.07

200000

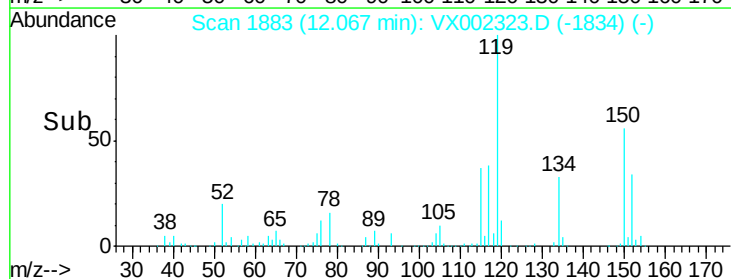
150000

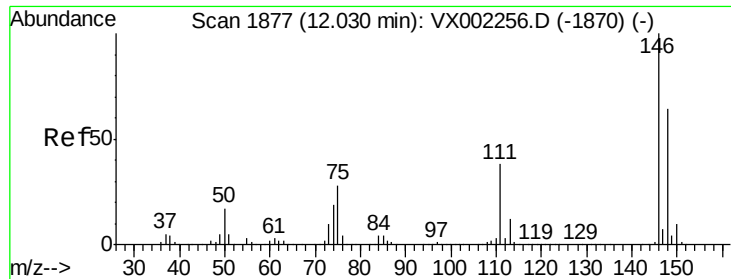
100000

50000

0

Time--> 12.00 12.10 12.20

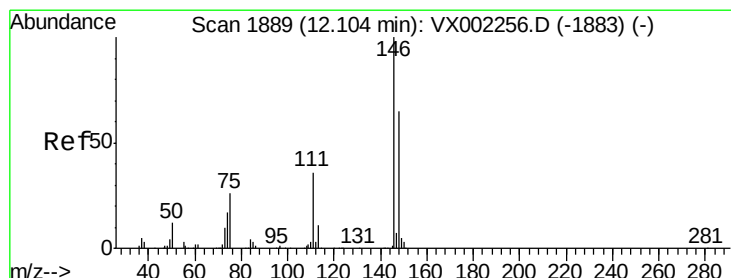
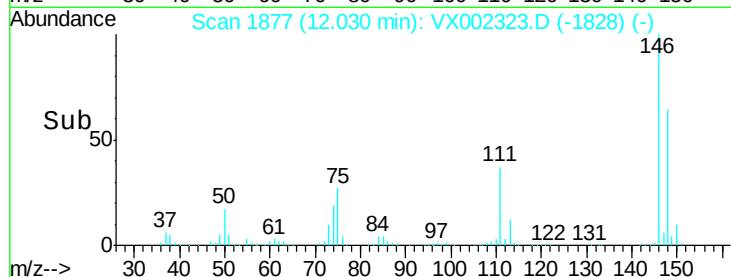
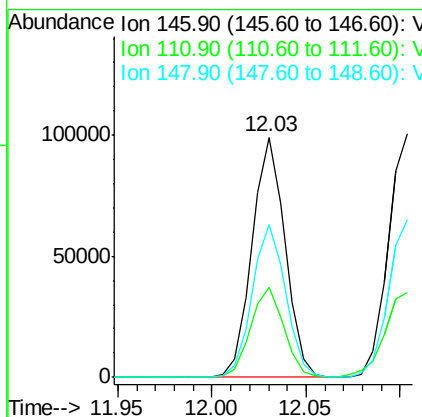
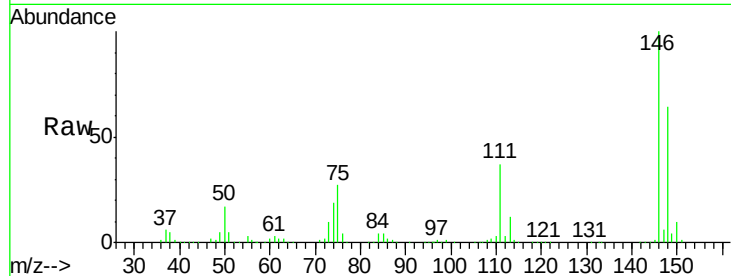




#87
 1,3-Dichlorobenzene
 Concen: 17.60 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002323.D
 Acq: 05 Jun 2018 23:57

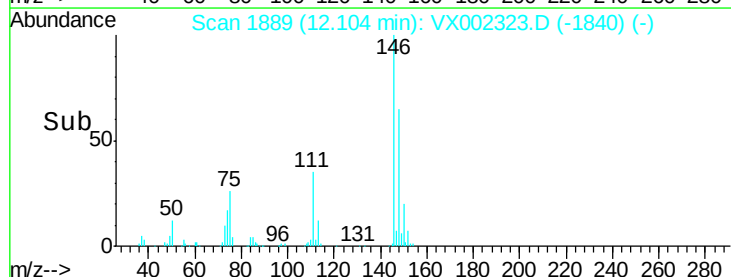
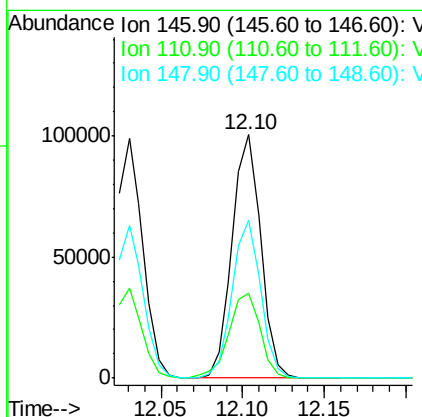
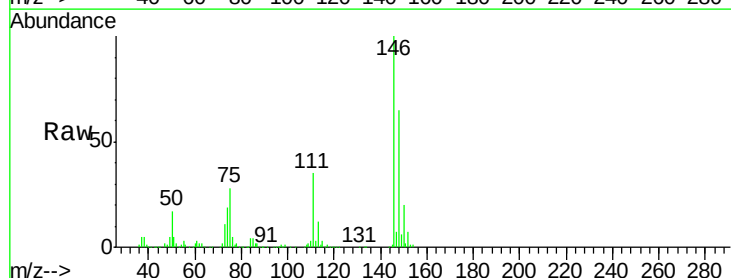
Instrument :
 MSVOA_X
 ClientSampled :
 VX0605WBS02

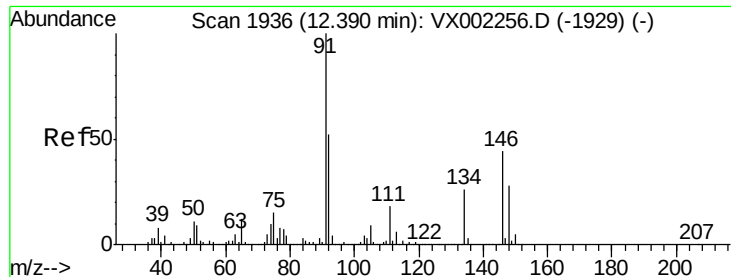
Tot Ion:146 Resp: 120299
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.9 56.7
 148 64.5 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 17.53 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002323.D
 Acq: 05 Jun 2018 23:57

Tgt Ion:146 Resp: 123517
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.7 56.1
 148 64.3 32.4 97.0





#89

n-Butylbenzene

Concen: 15.12 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBS02

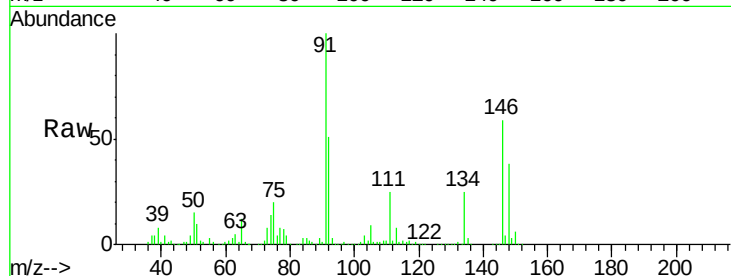
Tot Ion: 91 Resp: 154039

Ion Ratio Lower Upper

91 100

92 51.3 26.0 78.0

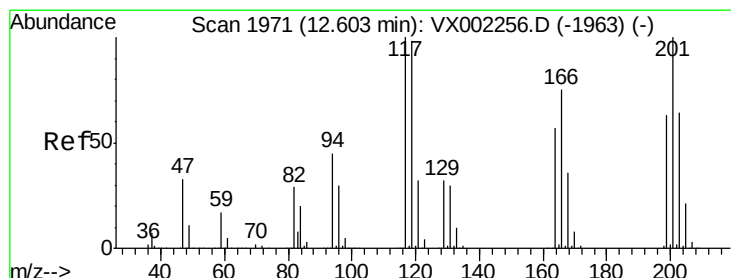
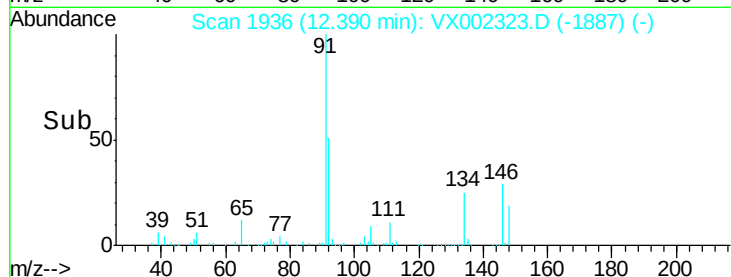
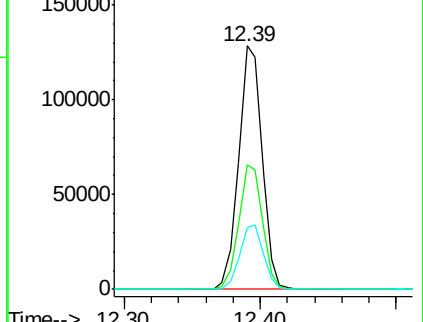
134 26.6 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 14.32 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX002323.D

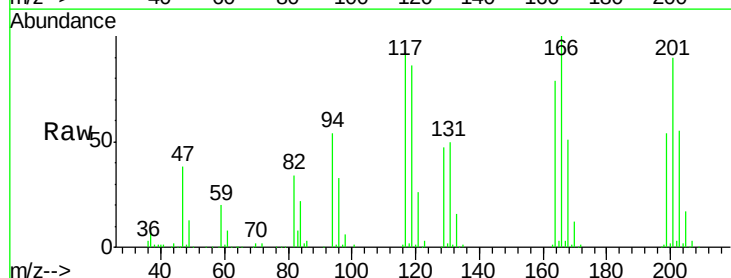
Acq: 05 Jun 2018 23:57

Tgt Ion: 117 Resp: 27760

Ion Ratio Lower Upper

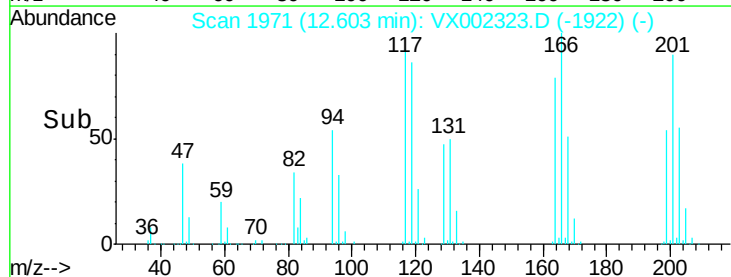
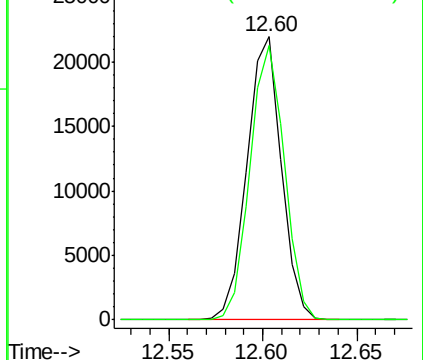
117 100

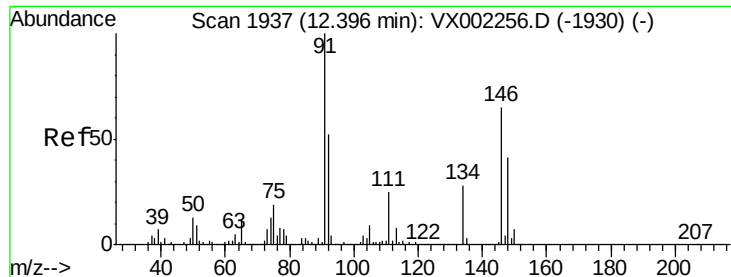
201 96.9 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 18.25 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

Instrument :

MSVOA_X

ClientSampled :

VX0605WBS02

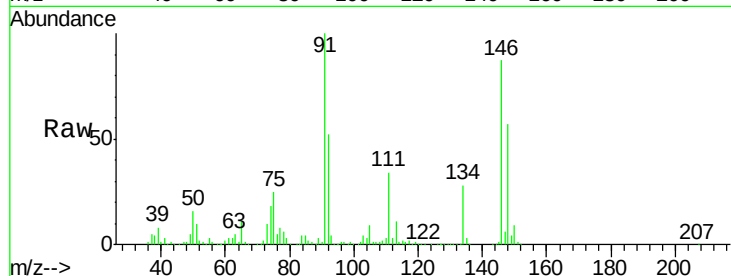
Tot Ion:146 Resp: 129078

Ion Ratio Lower Upper

146 100

111 38.9 19.4 58.1

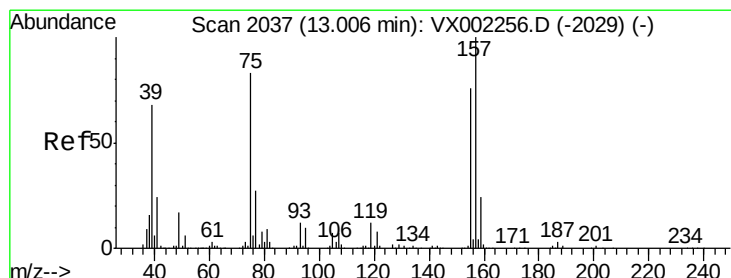
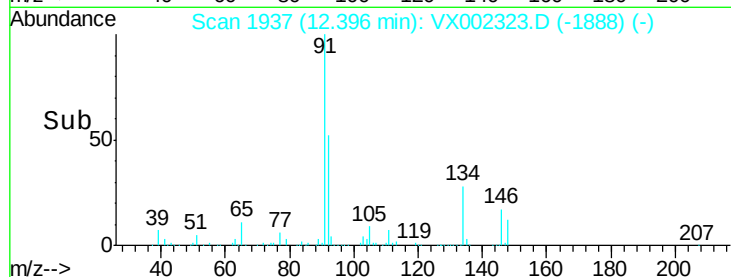
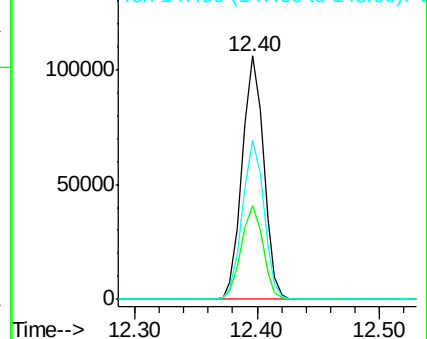
148 65.1 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.22 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX002323.D

Acq: 05 Jun 2018 23:57

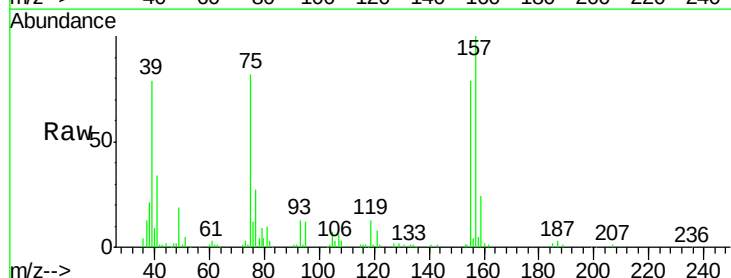
Tgt Ion: 75 Resp: 16126

Ion Ratio Lower Upper

75 100

155 91.7 45.8 137.4

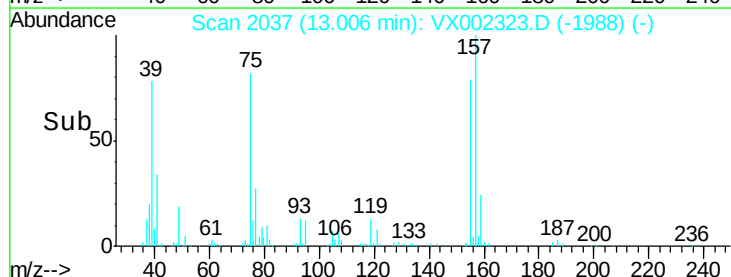
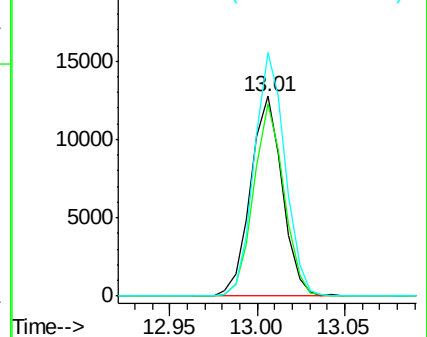
157 118.3 60.1 180.3

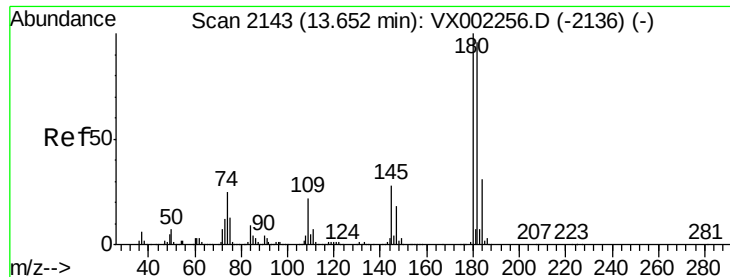


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

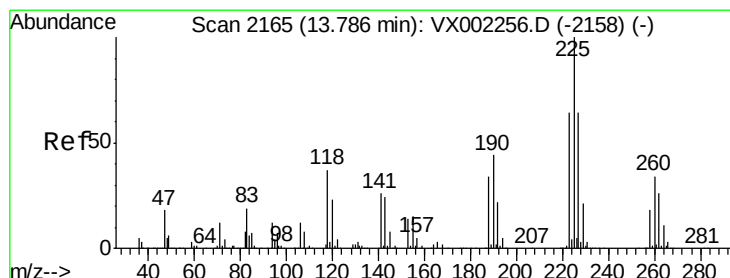
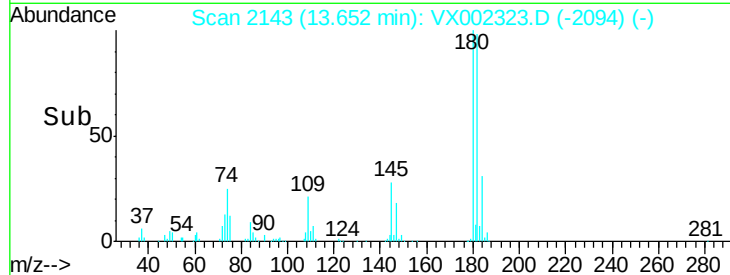
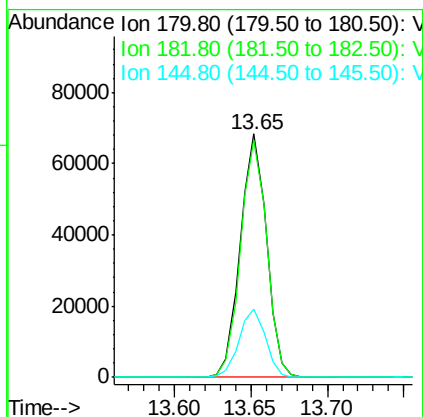
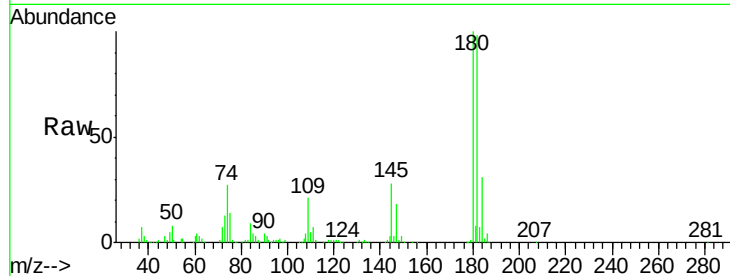




#93
 1,2,4-Trichlorobenzene
 Concen: 16.39 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002323.D
 Acq: 05 Jun 2018 23:57

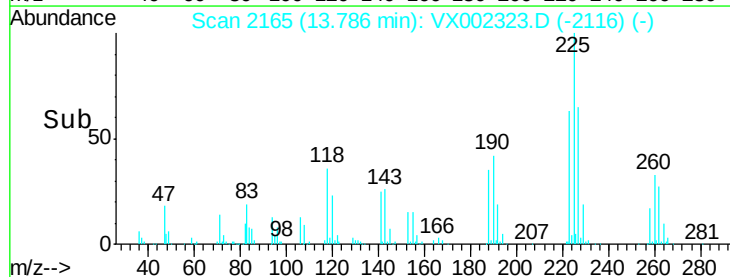
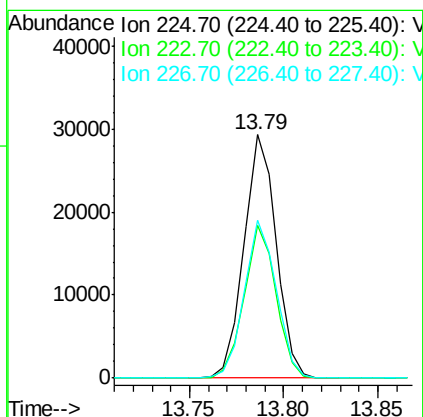
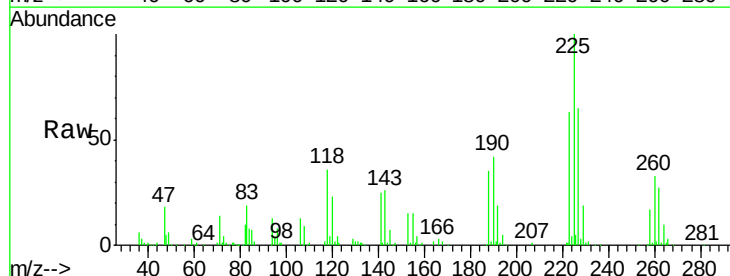
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605WBS02

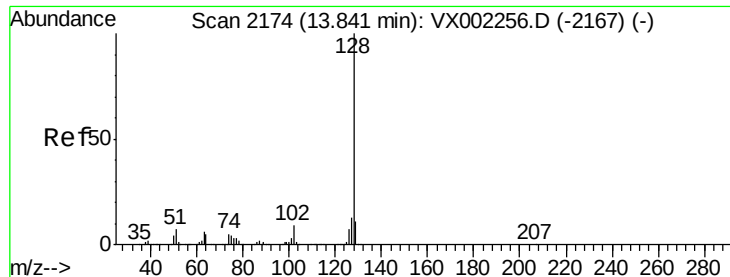
Tot Ion:180 Resp: 81267
 Ion Ratio Lower Upper
 180 100
 182 97.4 47.7 143.1
 145 28.3 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 14.20 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002323.D
 Acq: 05 Jun 2018 23:57

Tgt Ion:225 Resp: 34798
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.6 95.0
 227 64.6 32.4 97.2

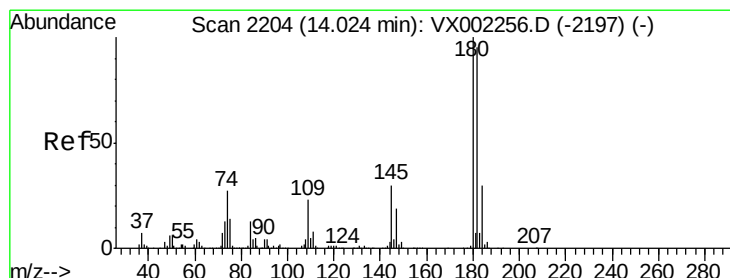
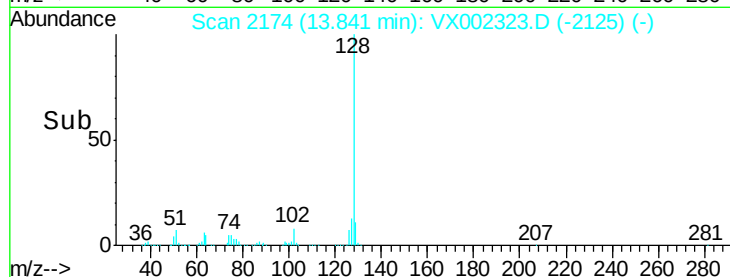
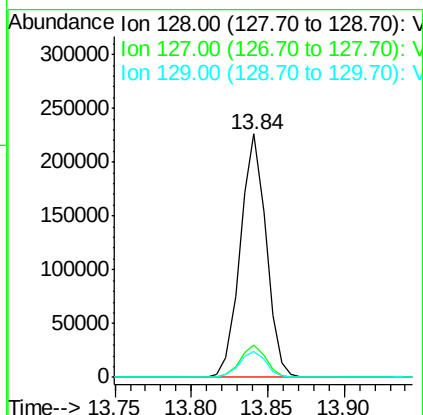
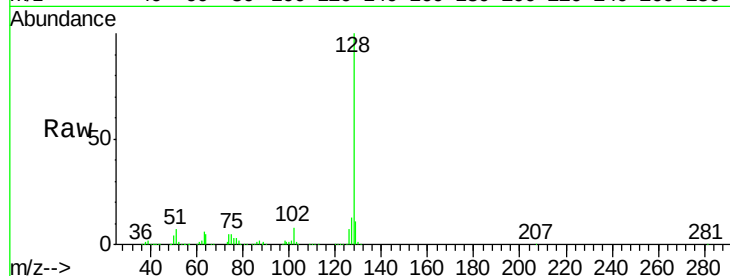




#95
Naphthalene
Concen: 18.56 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBS02

Tot Ion:128 Resp: 264547
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 17.60 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX002323.D
Acq: 05 Jun 2018 23:57

Tgt Ion:180 Resp: 89037
Ion Ratio Lower Upper
180 100
182 96.6 48.0 144.0
145 29.7 14.8 44.3

