

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070918\
 Data File : VX003254.D
 Acq On : 09 Jul 2018 20:04
 Operator : JC/MD
 Sample : VX0709WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Quant Time: Jul 10 01:01:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	266099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	333066	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	305256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211703	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	201690	48.16	ug/l	0.00
Spiked Amount						
			Recovery	=	96.32%	
35) Dibromofluoromethane	5.51	113	173202	48.40	ug/l	0.00
Spiked Amount						
			Recovery	=	96.80%	
50) Toluene-d8	8.72	98	638713	50.25	ug/l	0.00
Spiked Amount						
			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	11.14	95	231147	49.22	ug/l	0.00
Spiked Amount						
			Recovery	=	98.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	80838	19.98	ug/l	96
3) Chloromethane	1.32	50	67055	18.23	ug/l	99
4) Vinyl Chloride	1.40	62	70724	18.73	ug/l	98
5) Bromomethane	1.64	94	30496	27.67	ug/l	99
6) Chloroethane	1.72	64	40691	19.45	ug/l	98
7) Trichlorofluoromethane	1.93	101	107145	19.09	ug/l	100
8) Diethyl Ether	2.19	74	38368	18.91	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	61928	18.85	ug/l	98
10) Methyl Iodide	2.51	142	54386	18.95	ug/l	97
11) Tert butyl alcohol	3.08	59	78938	103.97	ug/l	98
12) 1,1-Dichloroethene	2.37	96	54908	18.36	ug/l	89
13) Acrolein	2.29	56	52548	85.89	ug/l	99
14) Allyl chloride	2.73	41	102494	18.50	ug/l	94
15) Acrylonitrile	3.15	53	163458	96.42	ug/l	98
16) Acetone	2.45	43	147023	98.89	ug/l	93
17) Carbon Disulfide	2.57	76	150112	18.06	ug/l	99
18) Methyl Acetate	2.78	43	84832	20.23	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	186823	18.70	ug/l	100
20) Methylene Chloride	2.86	84	61134	19.64	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	59127	18.55	ug/l	90
22) Diisopropyl ether	3.88	45	191373	16.98	ug/l	# 97
23) Vinyl Acetate	3.83	43	828721	86.62	ug/l	96
24) 1,1-Dichloroethane	3.70	63	108992	18.58	ug/l	99
25) 2-Butanone	4.71	43	261139	99.26	ug/l	97
26) 2,2-Dichloropropane	4.59	77	80333	15.66	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	72873	18.60	ug/l	99
28) Bromochloromethane	5.02	49	59046	19.98	ug/l	84
29) Tetrahydrofuran	5.17	42	167096	97.86	ug/l	95
30) Chloroform	5.21	83	122115	18.93	ug/l	99
31) Cyclohexane	5.58	56	103478	18.84	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	108573	19.08	ug/l	98
36) 1,1-Dichloropropene	5.80	75	89112	18.90	ug/l	97
37) Ethyl Acetate	4.87	43	98997	19.15	ug/l	97
38) Carbon Tetrachloride	5.78	117	97687	18.94	ug/l	97

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 Data File : VX003254.D
 Acq On : 09 Jul 2018 20:04
 Operator : JC/MD
 Sample : VX0709WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Quant Time: Jul 10 01:01:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	103011	18.55	ug/l	97
40) Benzene	6.15	78	271321	19.42	ug/l	99
41) Methacrylonitrile	5.07	41	55733	19.70	ug/l	96
42) 1,2-Dichloroethane	6.20	62	98931	18.95	ug/l	97
43) Isopropyl Acetate	6.48	43	155019	19.10	ug/l	96
44) Trichloroethene	7.22	130	80461	19.47	ug/l	93
45) 1,2-Dichloropropane	7.52	63	69646	19.17	ug/l	99
46) Dibromomethane	7.67	93	47026	18.99	ug/l	91
47) Bromodichloromethane	7.90	83	86164	18.86	ug/l	100
48) Methyl methacrylate	7.78	41	78906	18.95	ug/l	91
49) 1,4-Dioxane	7.76	88	35652	409.60	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	507683	100.47	ug/l	96
52) Toluene	8.79	92	172746	19.56	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	99715	18.55	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	90228	18.44	ug/l	92
55) 1,1,2-Trichloroethane	9.22	97	71090	19.40	ug/l	96
56) Ethyl methacrylate	9.18	69	95263	18.98	ug/l	91
57) 1,3-Dichloropropane	9.38	76	113511	19.23	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	249410	103.02	ug/l	95
59) 2-Hexanone	9.50	43	385947	100.56	ug/l	95
60) Dibromochloromethane	9.59	129	71354	18.65	ug/l	99
61) 1,2-Dibromoethane	9.68	107	74524	19.41	ug/l	100
64) Tetrachloroethene	9.34	164	92485	20.04	ug/l	98
65) Chlorobenzene	10.14	112	199048	19.19	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	73660	19.68	ug/l	99
67) Ethyl Benzene	10.26	91	324509	19.35	ug/l	99
68) m/p-Xylenes	10.36	106	254483	39.00	ug/l	97
69) o-Xylene	10.70	106	124688	19.72	ug/l	94
70) Styrene	10.71	104	201189	19.63	ug/l	98
71) Bromoform	10.86	173	56873	18.47	ug/l	# 100
73) Isopropylbenzene	11.02	105	334292	20.00	ug/l	100
74) N-amyl acetate	6.48	43	155019	19.44	ug/l	# 96
75) 1,1,2,2-Tetrachloroethane	11.27	83	100778	19.44	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	113069	24.71	ug/l	80
77) Bromobenzene	11.26	156	96170	19.93	ug/l	93
78) n-propylbenzene	11.37	91	370473	19.94	ug/l	98
79) 2-Chlorotoluene	11.43	91	223539	19.74	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	279262	20.06	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	24386	17.42	ug/l	100
82) 4-Chlorotoluene	11.51	91	259953	19.66	ug/l	98
83) tert-Butylbenzene	11.77	119	274177	19.72	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	285960	20.06	ug/l	98
85) sec-Butylbenzene	11.95	105	325566	19.81	ug/l	99
86) p-Isopropyltoluene	12.07	119	295448	19.73	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	170914	19.31	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	173588	19.37	ug/l	99
89) n-Butylbenzene	12.39	91	235832	18.85	ug/l	99
90) Hexachloroethane	12.60	117	41291	18.06	ug/l	93
91) 1,2-Dichlorobenzene	12.40	146	173482	19.52	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	21206	19.06	ug/l	89

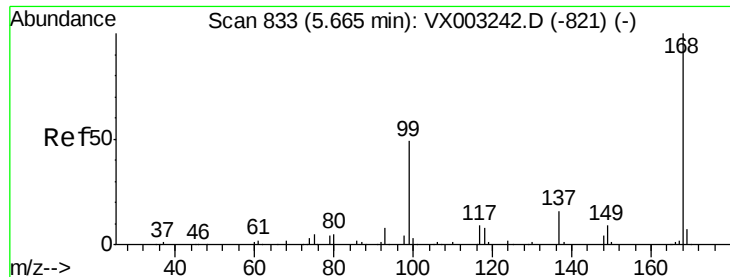
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070918\
Data File : VX003254.D
Acq On : 09 Jul 2018 20:04
Operator : JC/MD
Sample : VX0709WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Quant Time: Jul 10 01:01:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 09 15:24:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	124716	19.28	ug/l	99
94) Hexachlorobutadiene	13.79	225	60800	18.88	ug/l	99
95) Naphthalene	13.84	128	344144	20.33	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	128543	19.92	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

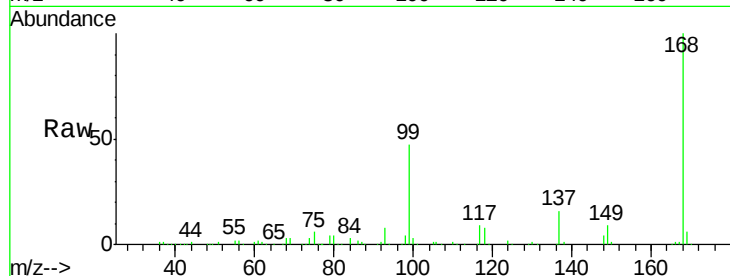
Instrument :
MSVOA_X
ClientSampled :
VX0709WBS01

Tot Ion:168 Resp: 266099

Ion Ratio Lower Upper

168 100

99 47.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

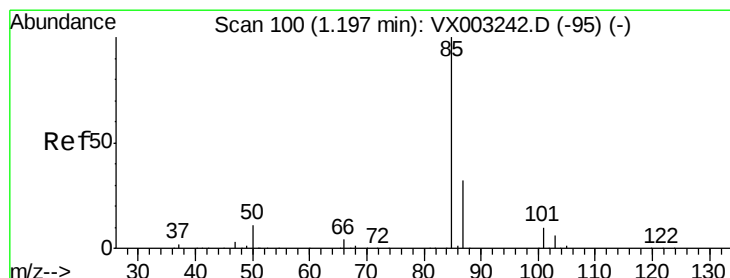
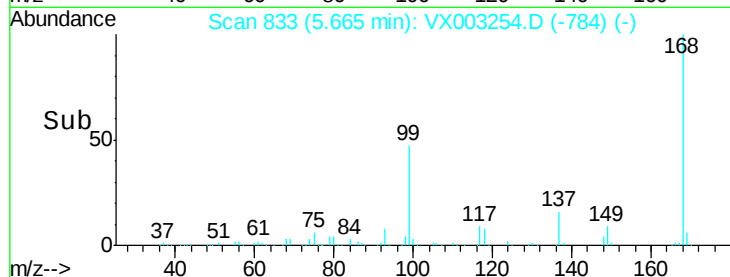
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 19.98 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003254.D

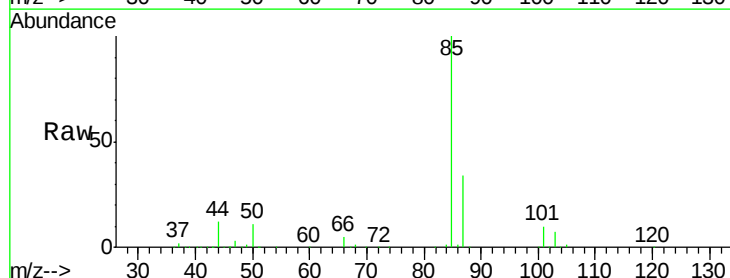
Acq: 09 Jul 2018 20:04

Tgt Ion: 85 Resp: 80838

Ion Ratio Lower Upper

85 100

87 34.1 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

80000

60000

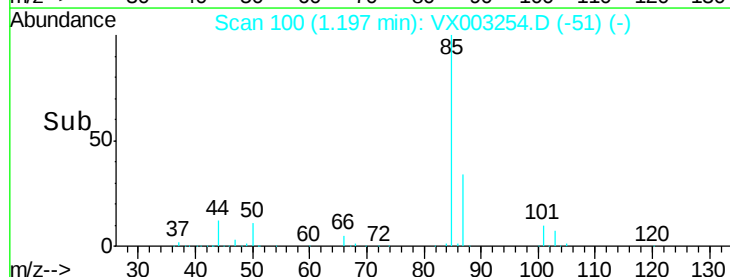
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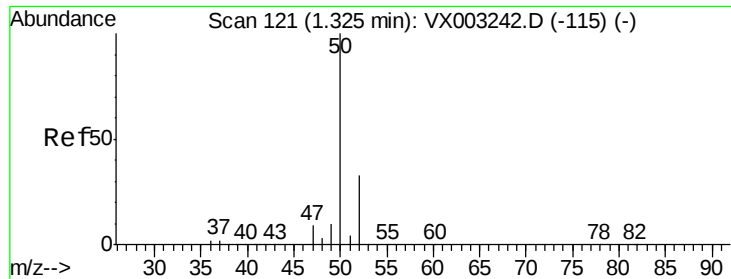
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 18.23 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

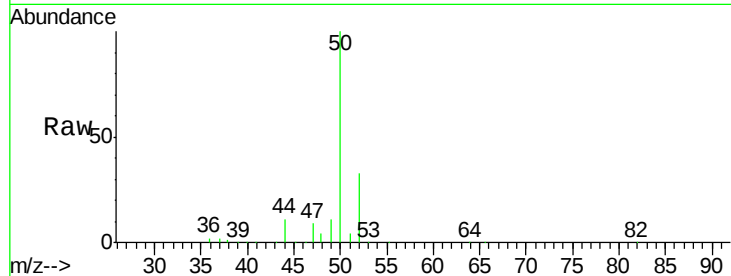
VX0709WBS01

Tot Ion: 50 Resp: 67055

Ion Ratio Lower Upper

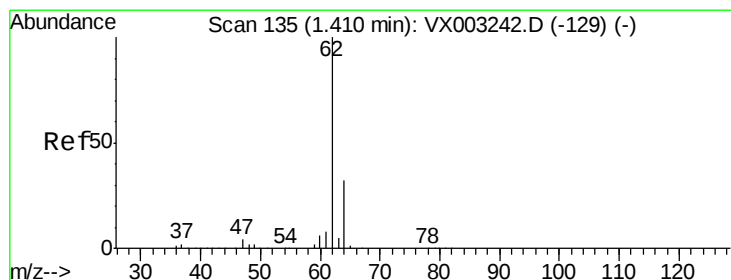
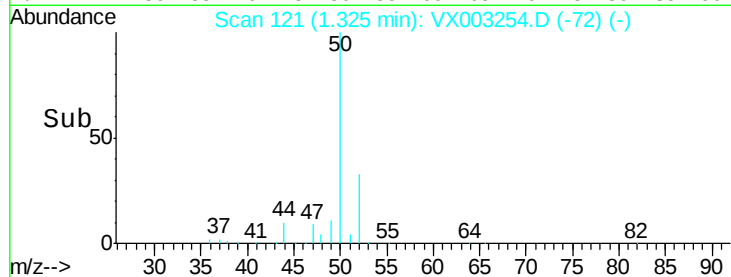
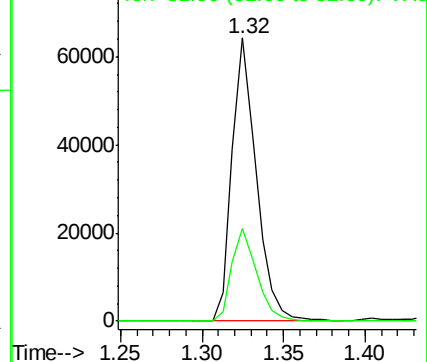
50 100

52 32.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.73 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003254.D

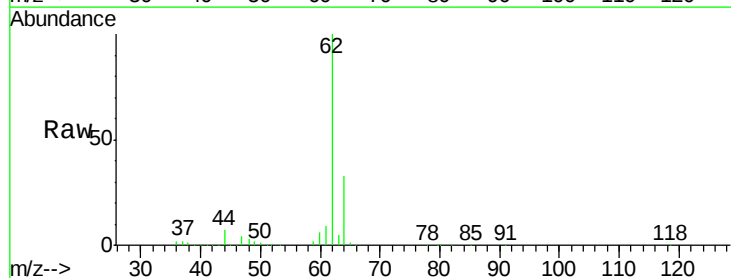
Acq: 09 Jul 2018 20:04

Tgt Ion: 62 Resp: 70724

Ion Ratio Lower Upper

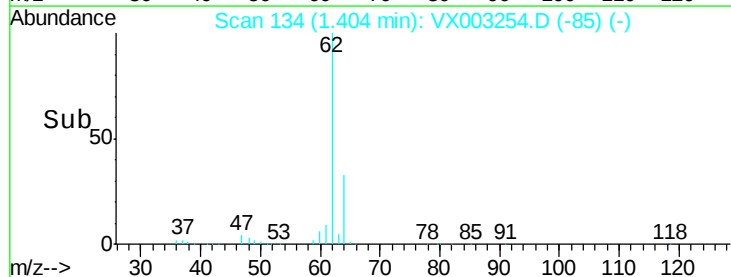
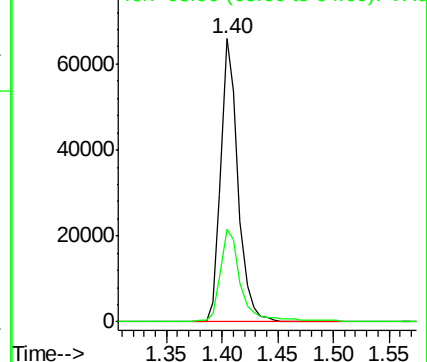
62 100

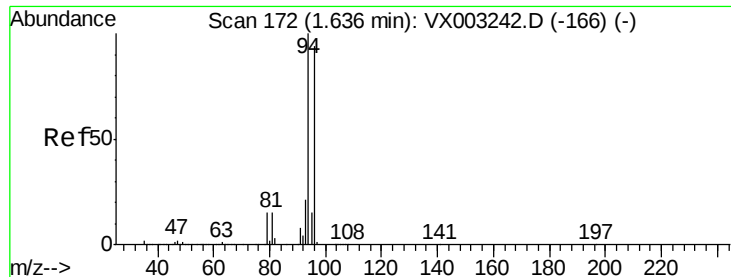
64 32.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 27.67 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

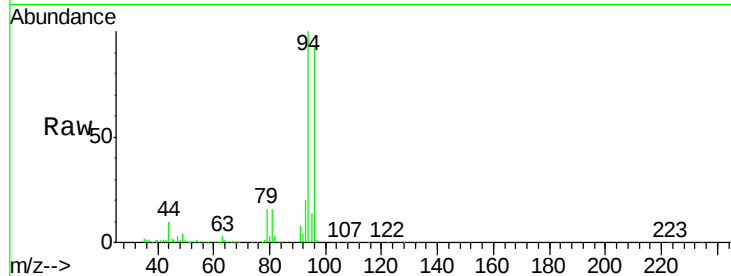
VX0709WBS01

Tot Ion: 94 Resp: 30496

Ion Ratio Lower Upper

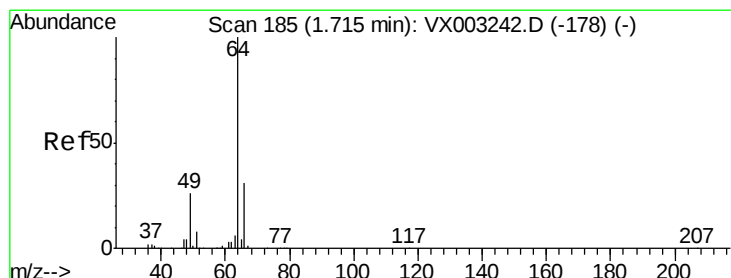
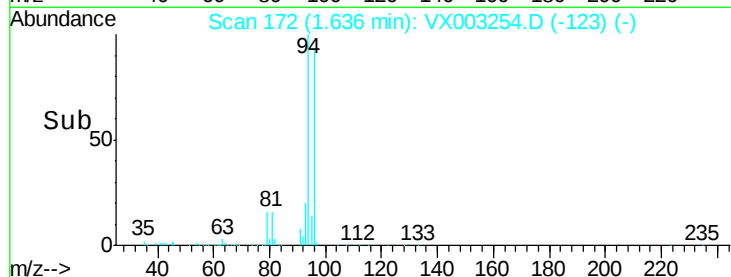
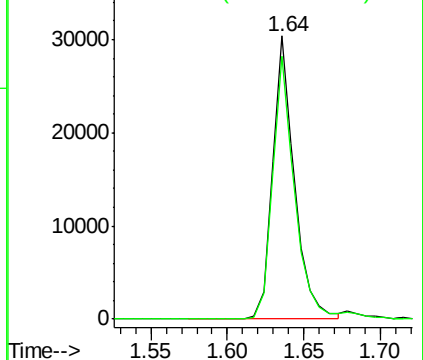
94 100

96 92.8 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.45 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003254.D

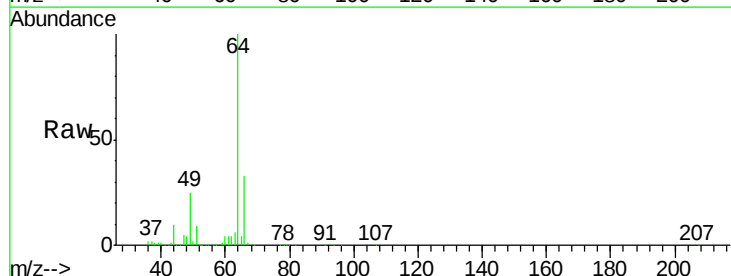
Acq: 09 Jul 2018 20:04

Tgt Ion: 64 Resp: 40691

Ion Ratio Lower Upper

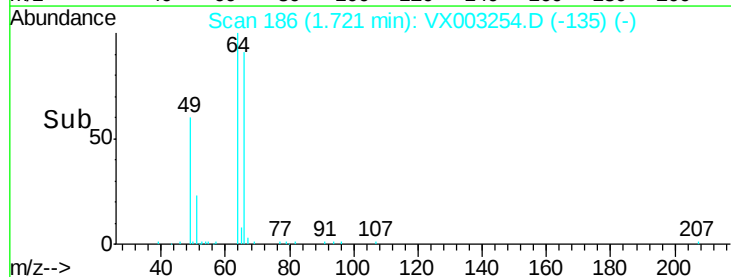
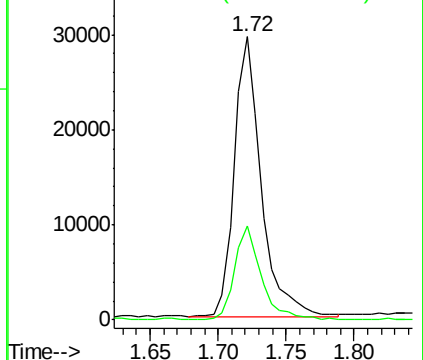
64 100

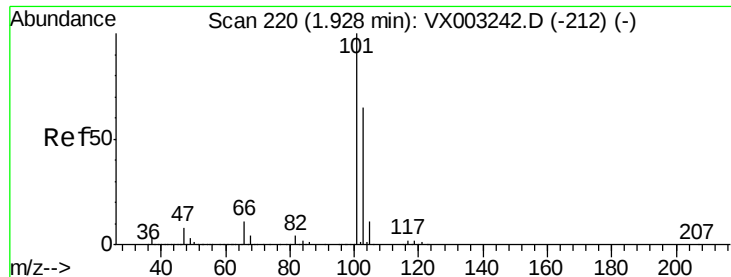
66 33.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 19.09 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

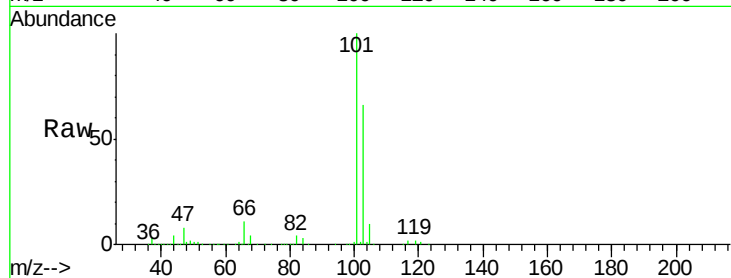
VX0709WBS01

Tot Ion:101 Resp: 107145

Ion Ratio Lower Upper

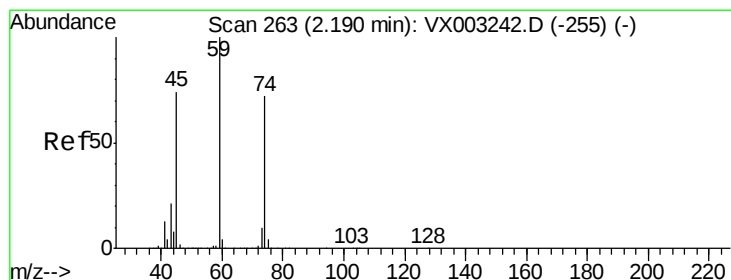
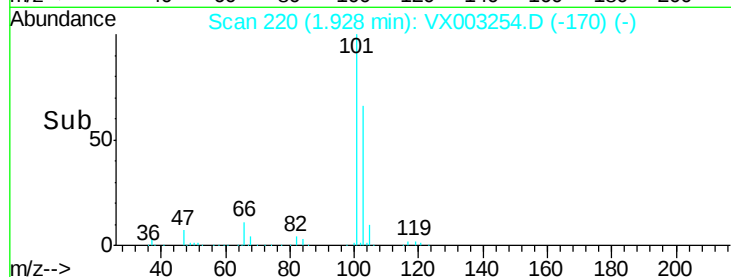
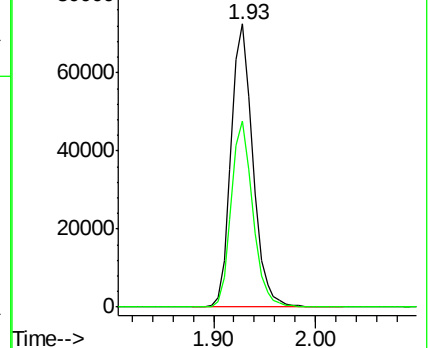
101 100

103 65.7 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 18.91 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003254.D

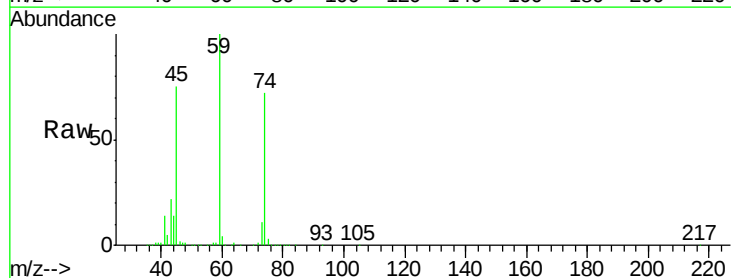
Acq: 09 Jul 2018 20:04

Tgt Ion: 74 Resp: 38368

Ion Ratio Lower Upper

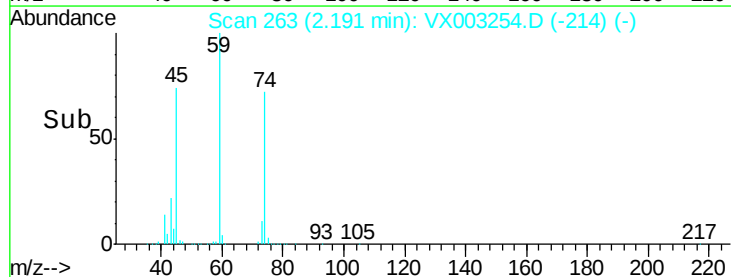
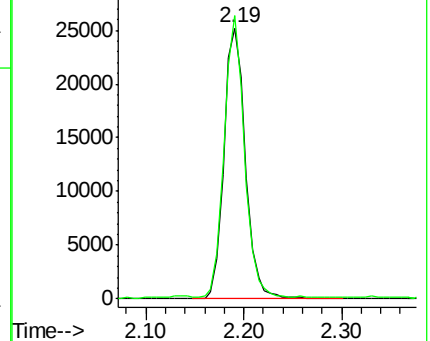
74 100

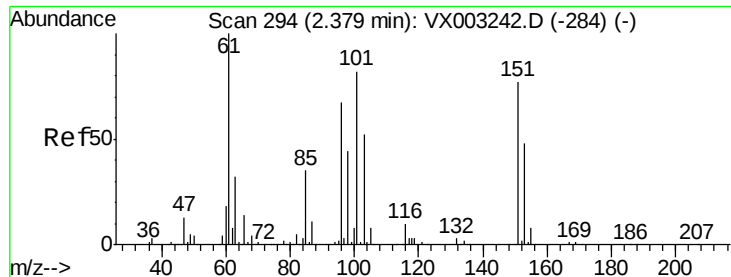
45 98.2 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.85 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

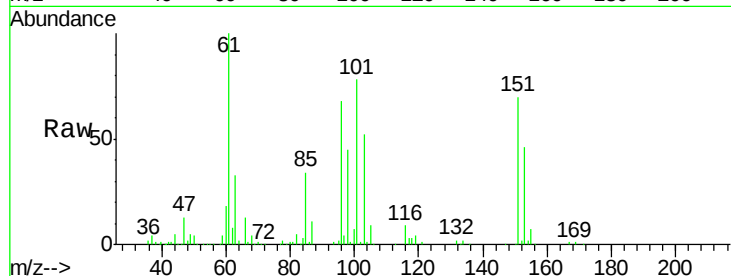
Tot Ion:101 Resp: 61928

Ion Ratio Lower Upper

101 100

85 42.7 36.0 54.0

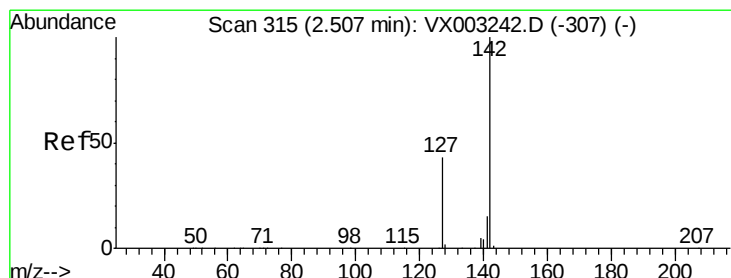
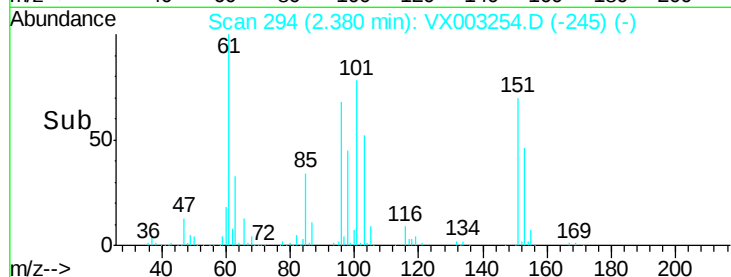
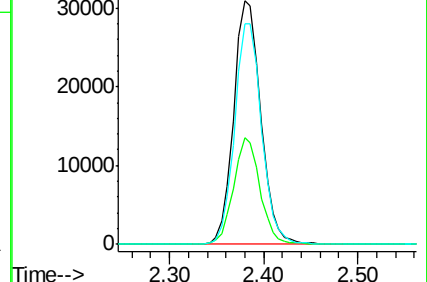
151 90.2 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.95 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

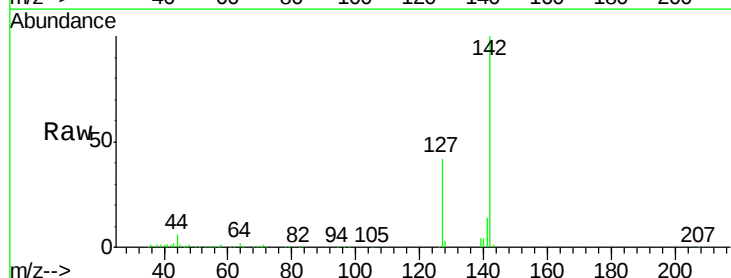
Tgt Ion:142 Resp: 54386

Ion Ratio Lower Upper

142 100

127 43.1 36.6 55.0

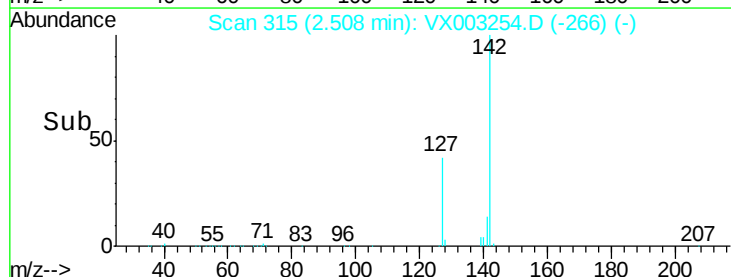
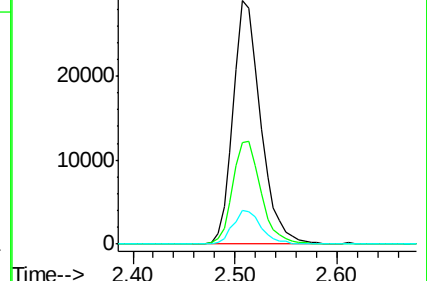
141 14.2 11.3 16.9

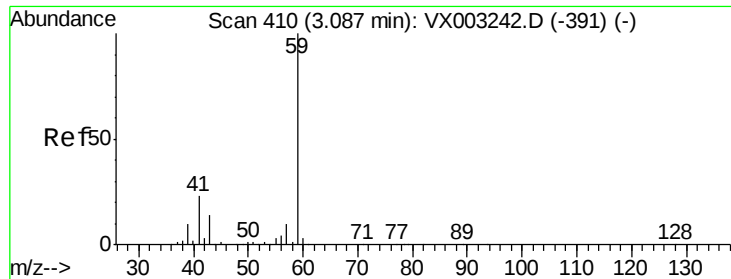


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

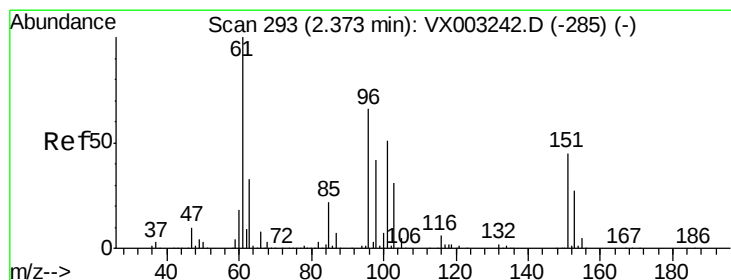
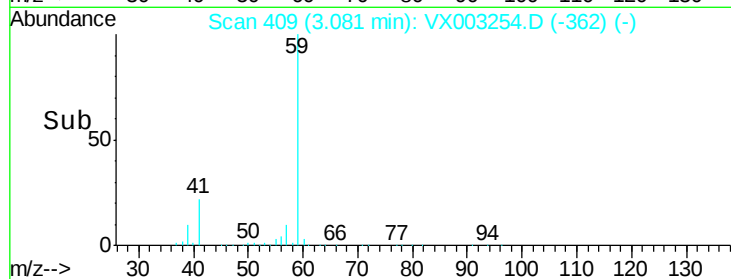
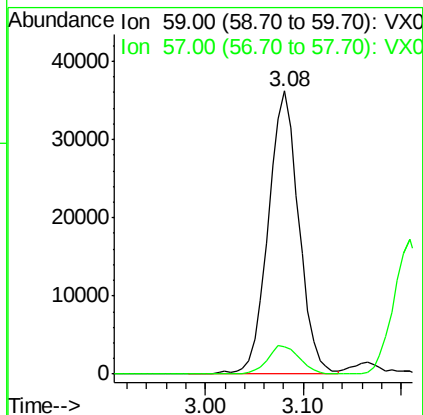
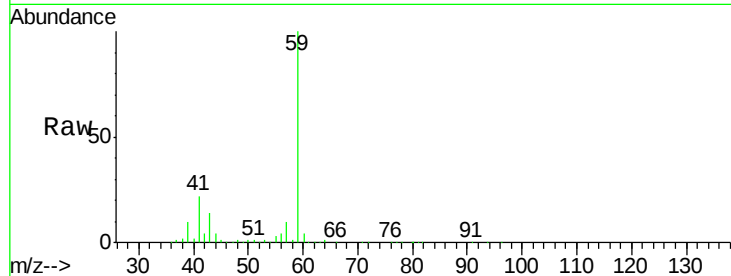




#11
Tert butyl alcohol
Concen: 103.97 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

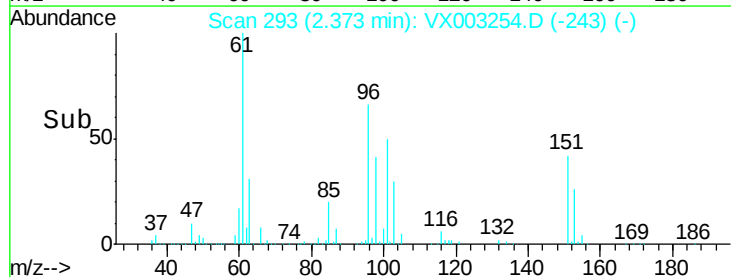
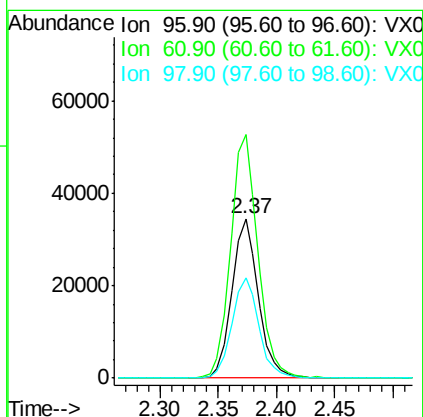
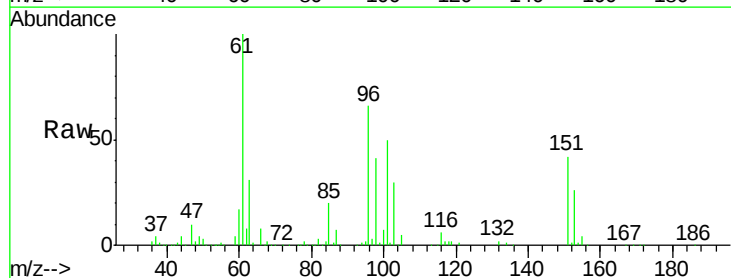
Instrument :
MSVOA_X
ClientSampled :
VX0709WBS01

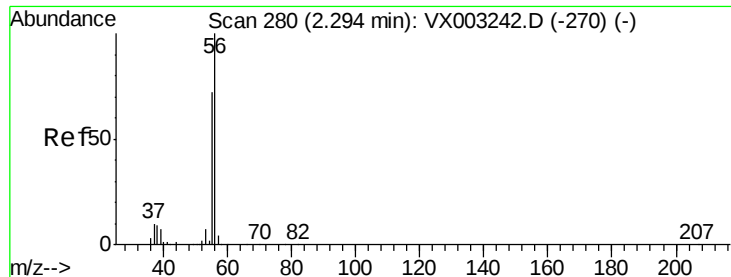
Tot Ion: 59 Resp: 78938
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.2



#12
1,1-Dichloroethene
Concen: 18.36 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion: 96 Resp: 54908
Ion Ratio Lower Upper
96 100
61 152.5 137.9 206.9
98 63.0 51.6 77.4





#13

Acrolein

Concen: 85.89 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

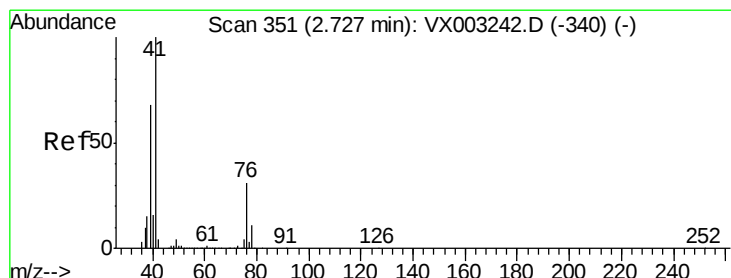
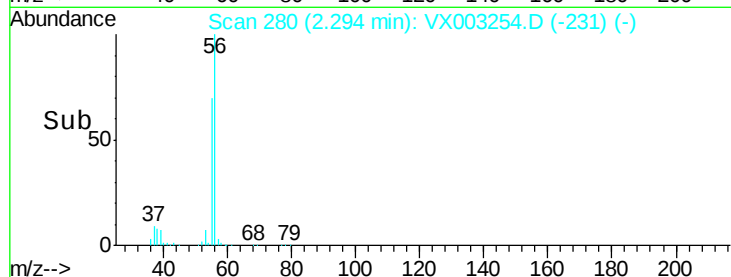
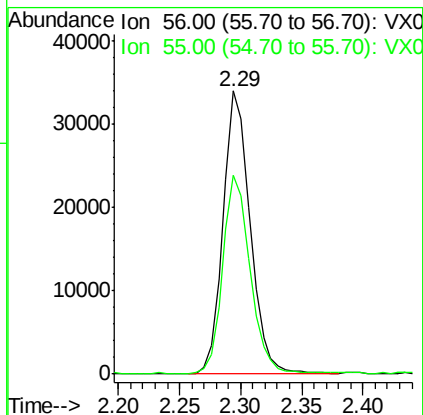
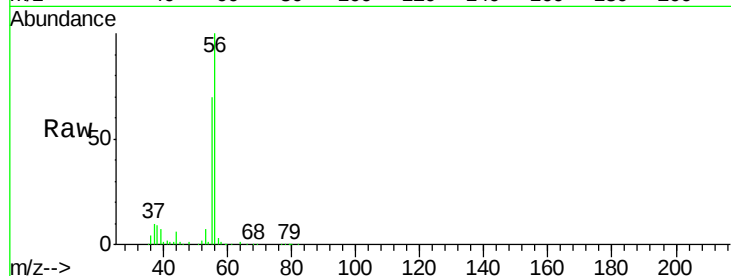
VX0709WBS01

Tot Ion: 56 Resp: 52548

Ion Ratio Lower Upper

56 100

55 70.4 57.0 85.4



#14

Allyl chloride

Concen: 18.50 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

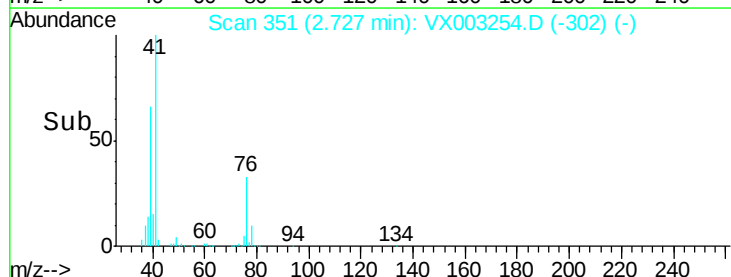
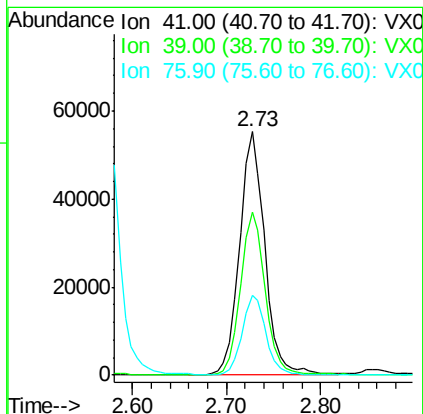
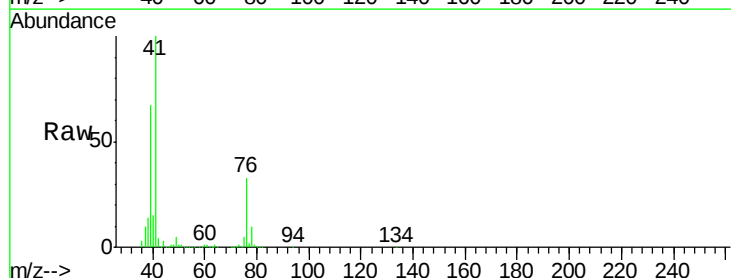
Tgt Ion: 41 Resp: 102494

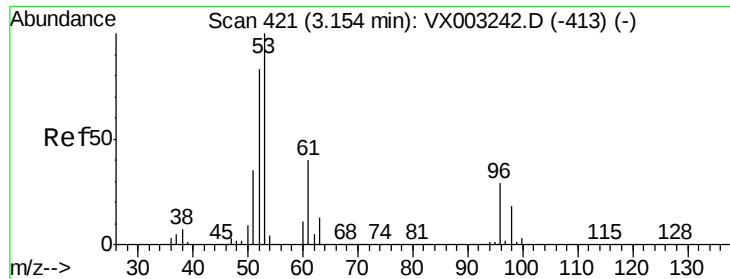
Ion Ratio Lower Upper

41 100

39 65.3 56.8 85.2

76 31.4 23.8 35.8





#15

Acrylonitrile

Concen: 96.42 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampled :

VX0709WBS01

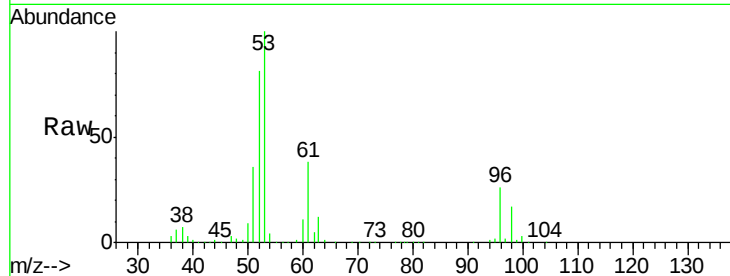
Tot Ion: 53 Resp: 163458

Ion Ratio Lower Upper

53 100

52 81.8 66.7 100.1

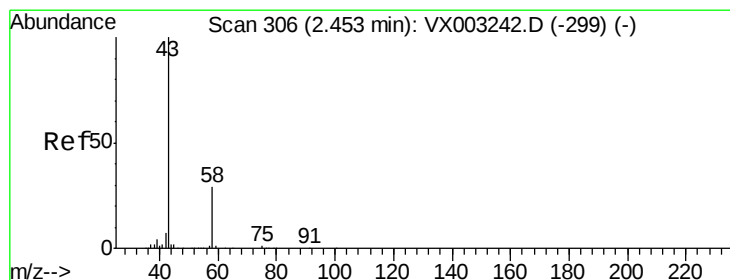
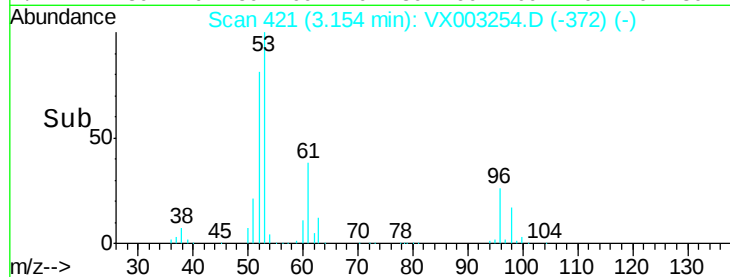
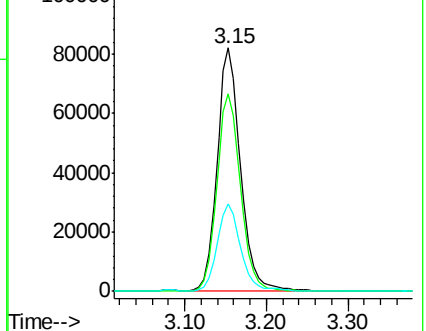
51 36.5 29.9 44.9



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: 98.89 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX003254.D

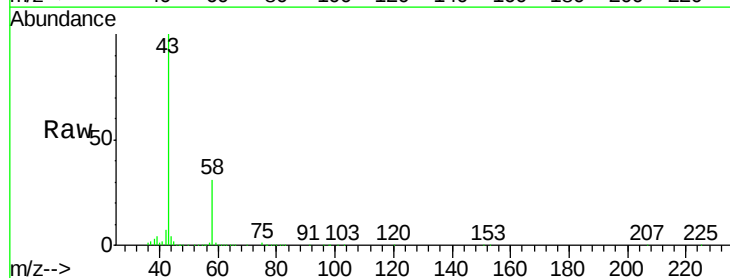
Acq: 09 Jul 2018 20:04

Tgt Ion: 43 Resp: 147023

Ion Ratio Lower Upper

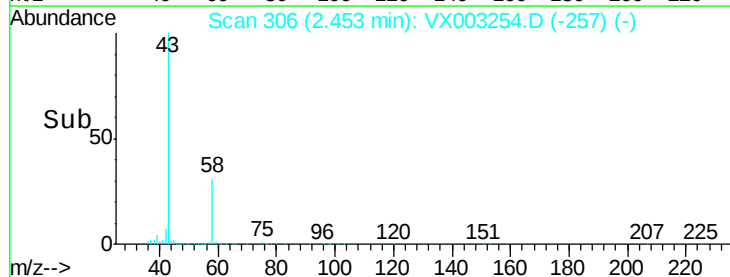
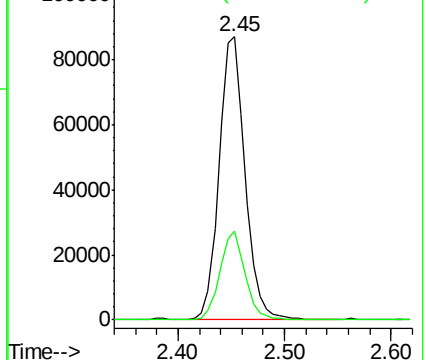
43 100

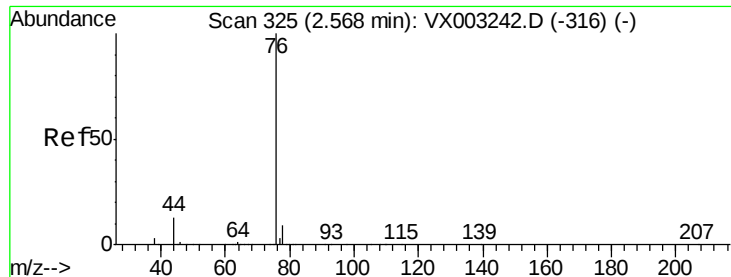
58 31.4 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 18.06 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

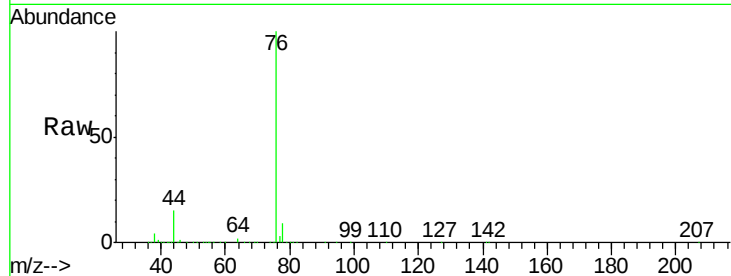
VX0709WBS01

Tot Ion: 76 Resp: 150112

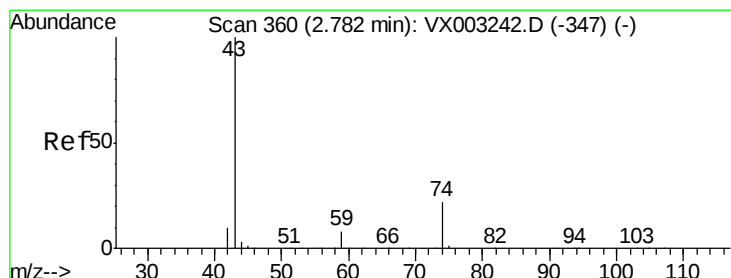
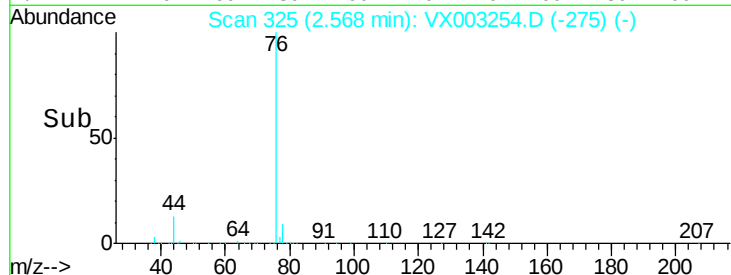
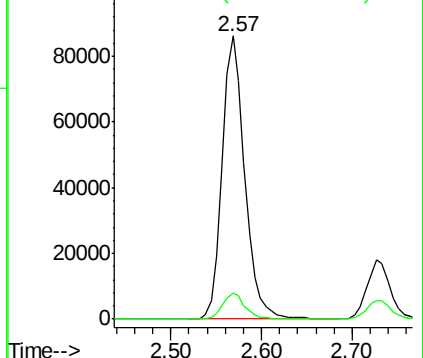
Ion Ratio Lower Upper

76 100

78 8.9 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0
Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.23 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003254.D

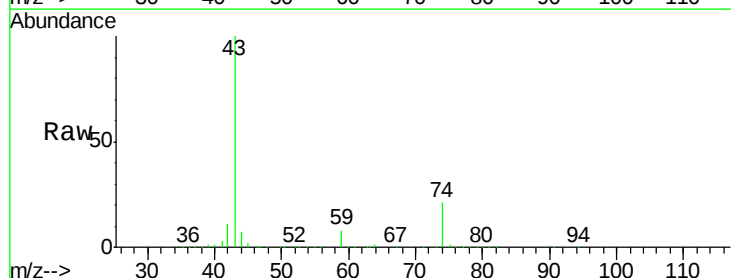
Acq: 09 Jul 2018 20:04

Tgt Ion: 43 Resp: 84832

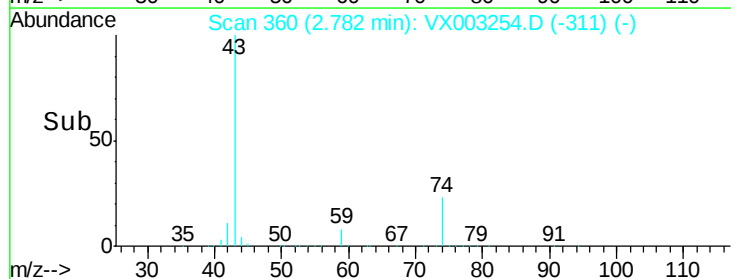
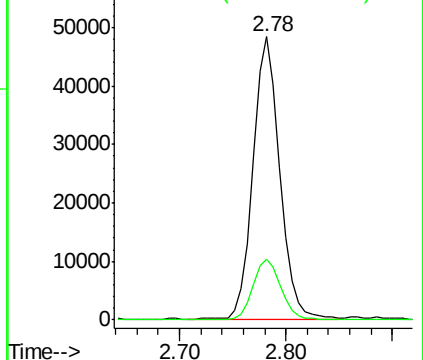
Ion Ratio Lower Upper

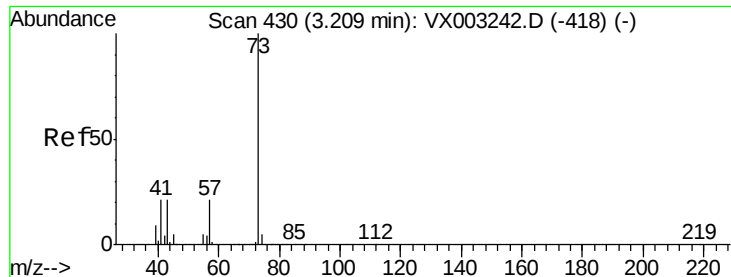
43 100

74 22.7 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0

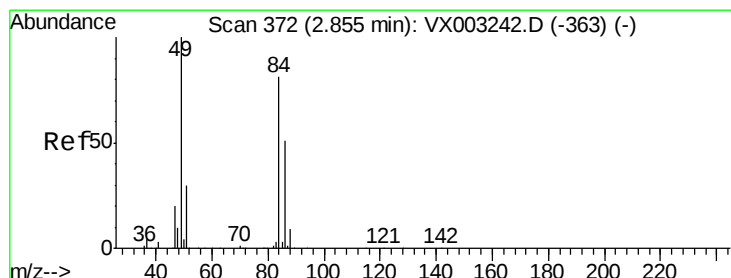
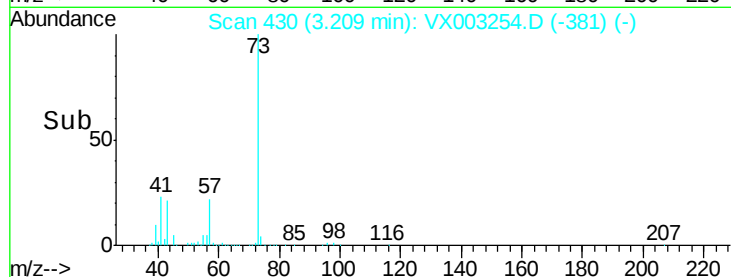
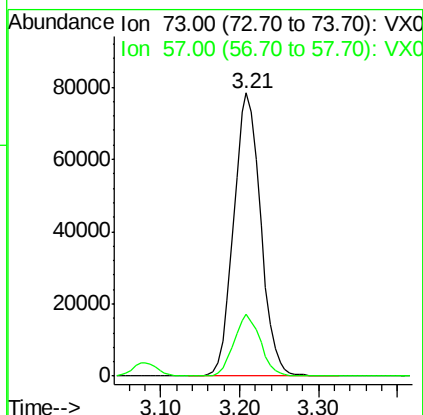
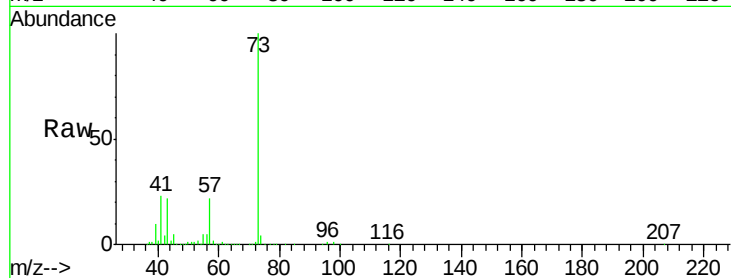




#19
Methyl tert-butyl Ether
Concen: 18.70 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

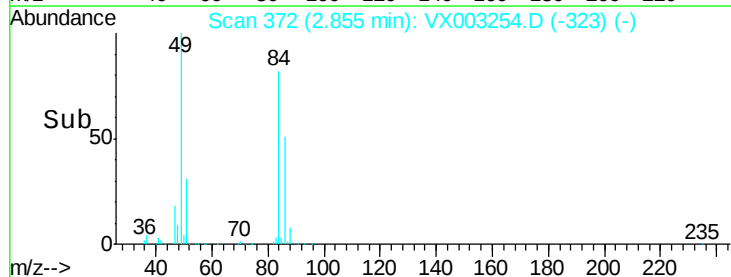
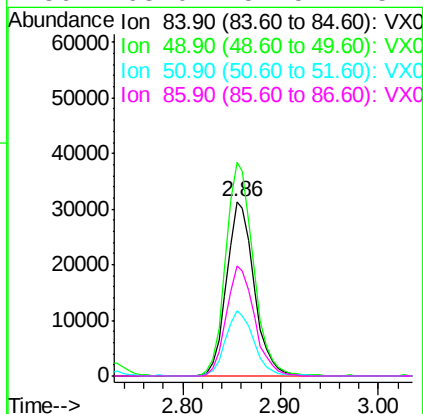
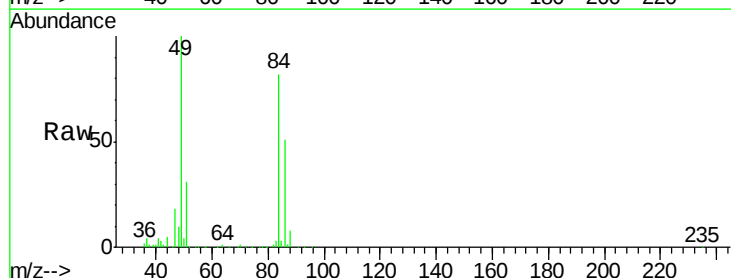
Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

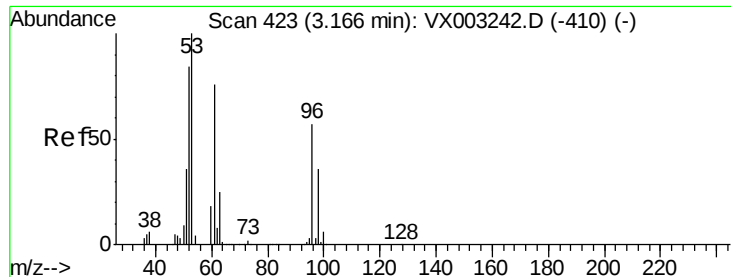
Tot Ion: 73 Resp: 186823
Ion Ratio Lower Upper
73 100
57 22.0 17.7 26.5



#20
Methylene Chloride
Concen: 19.64 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion: 84 Resp: 61134
Ion Ratio Lower Upper
84 100
49 122.7 107.8 161.6
51 37.5 32.8 49.2
86 63.0 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 18.55 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

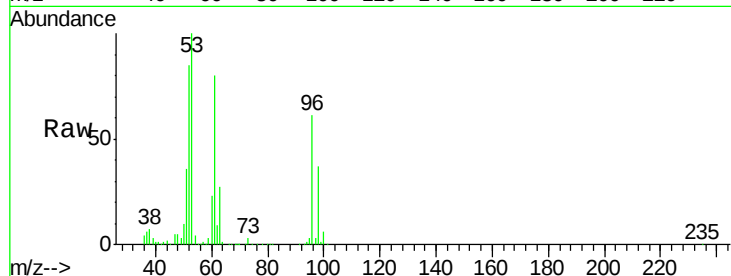
MSVOA_X

ClientSampled :

VX0709WBS01

Tot Ion: 96 Resp: 59127

Ion	Ratio	Lower	Upper
96	100		
61	130.7	117.0	175.4
98	61.0	52.4	78.6

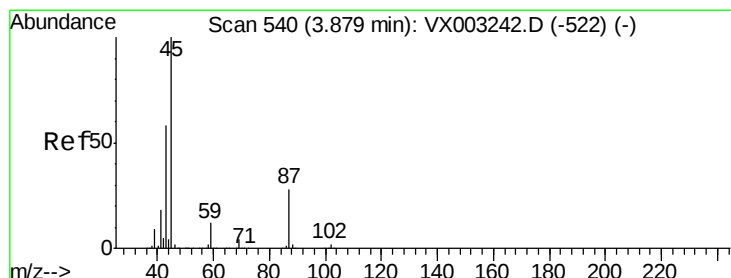
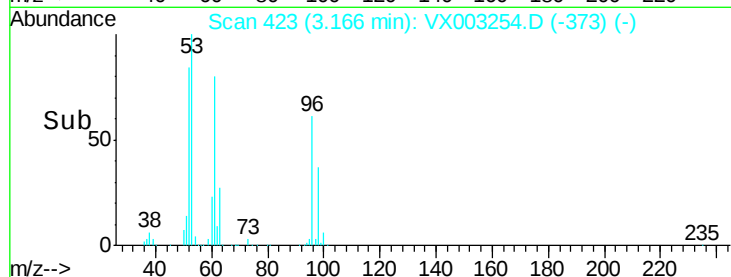
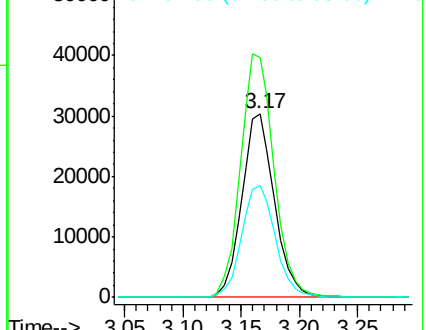


Abundance

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: 16.98 ug/l

RT: 3.88 min Scan# 540

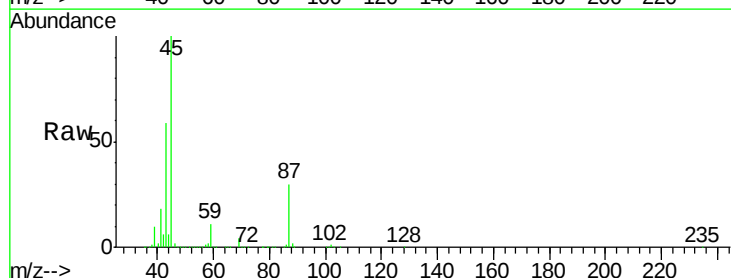
Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Tgt Ion: 45 Resp: 191373

Ion	Ratio	Lower	Upper
45	100		
43	58.9	46.8	70.2
87	30.4	20.2	30.4#
59	10.8	8.7	13.1



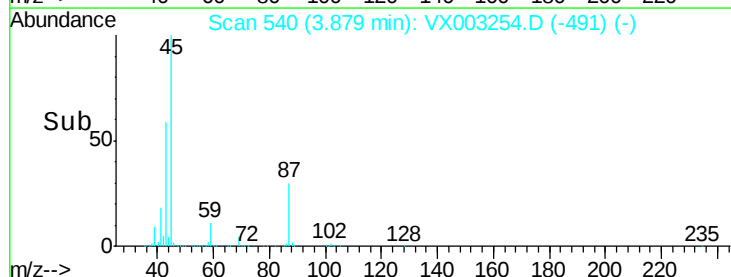
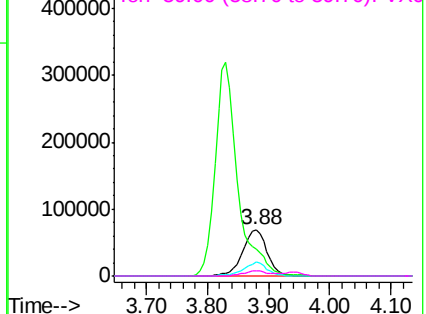
Abundance

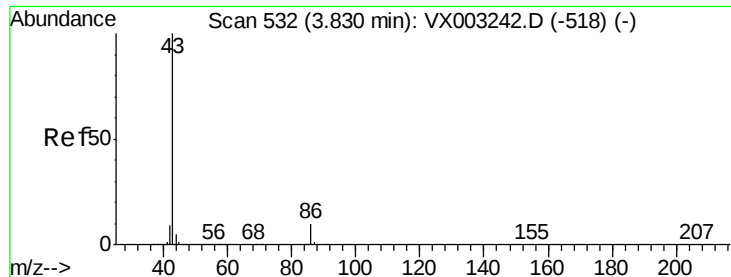
Ion 45.00 (44.70 to 45.70): VX0

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: 86.62 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

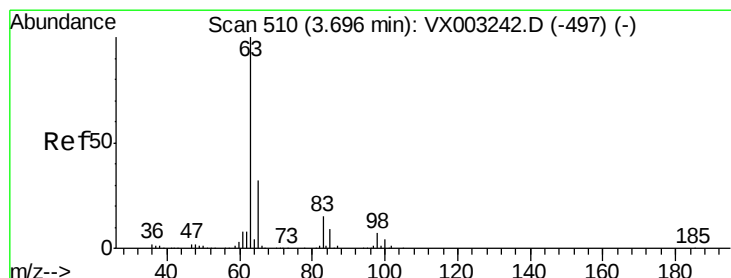
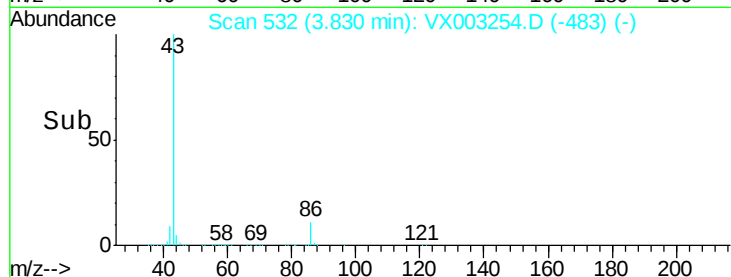
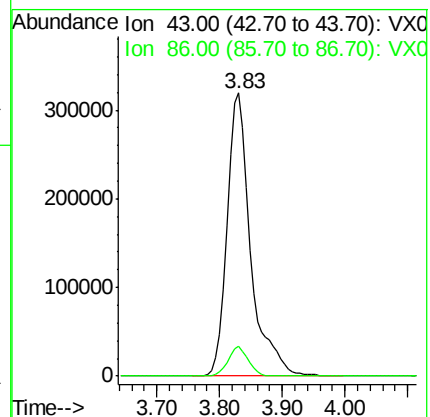
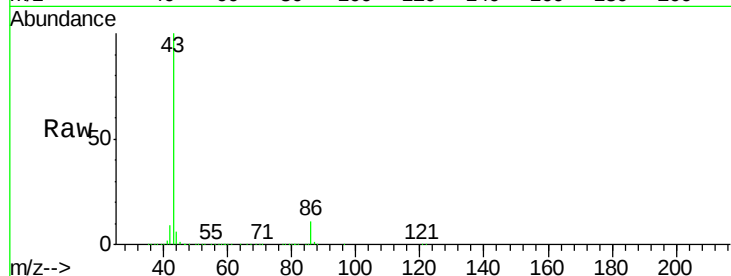
VX0709WBS01

Tot Ion: 43 Resp: 828721

Ion Ratio Lower Upper

43 100

86 10.5 7.4 11.0



#24

1,1-Dichloroethane

Concen: 18.58 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

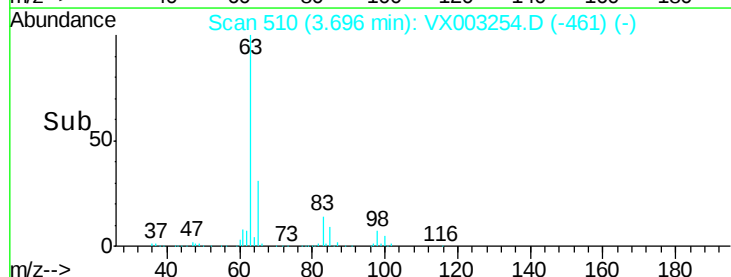
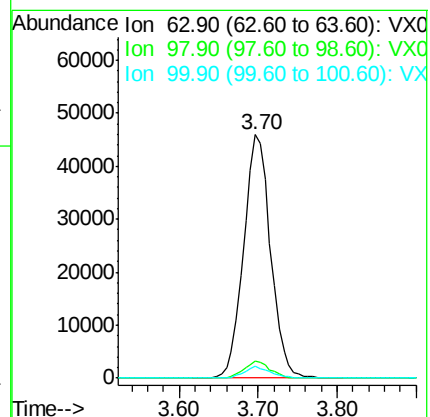
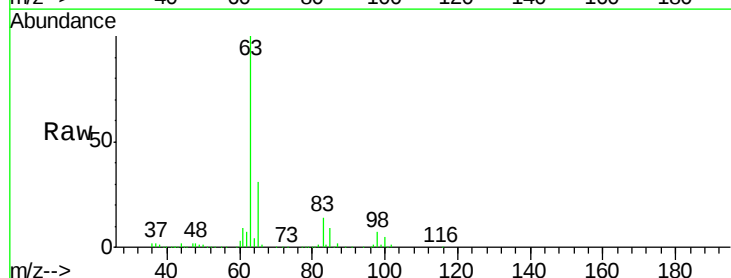
Tgt Ion: 63 Resp: 108992

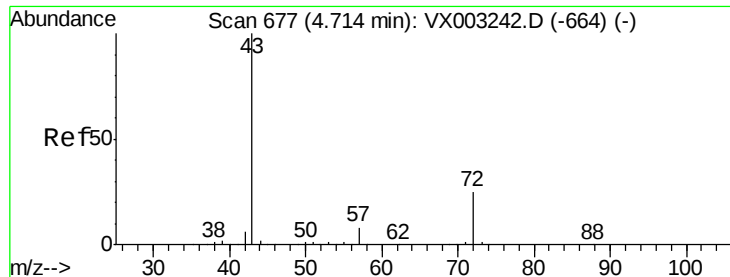
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.7 2.0 6.0





#25

2-Butanone

Concen: 99.26 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampled :

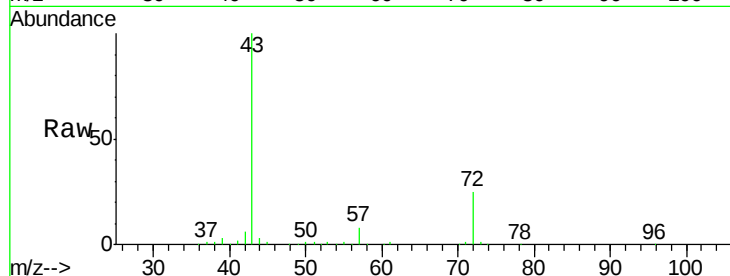
VX0709WBS01

Tot Ion: 43 Resp: 261139

Ion Ratio Lower Upper

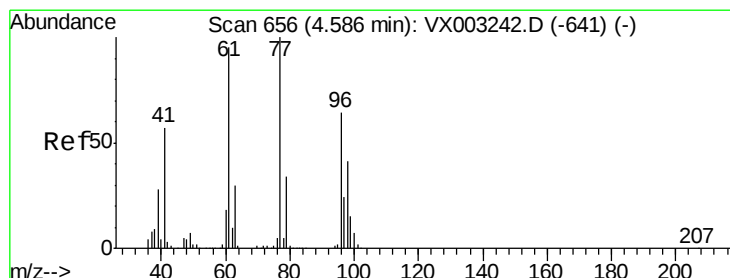
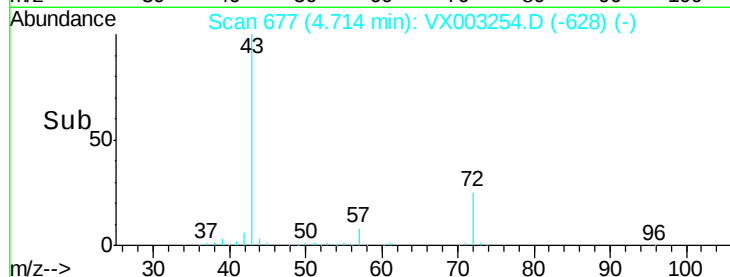
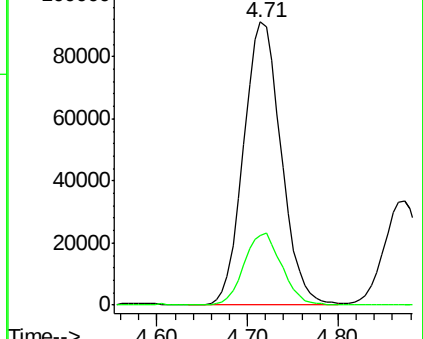
43 100

72 24.5 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: 15.66 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003254.D

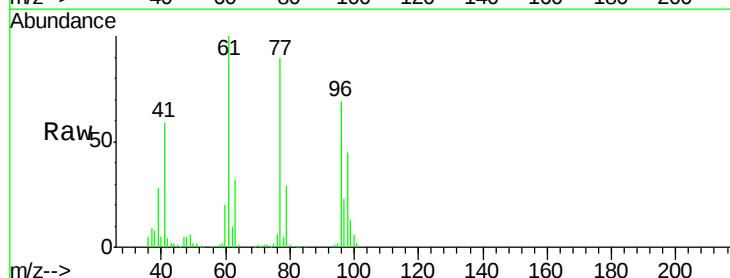
Acq: 09 Jul 2018 20:04

Tgt Ion: 77 Resp: 80333

Ion Ratio Lower Upper

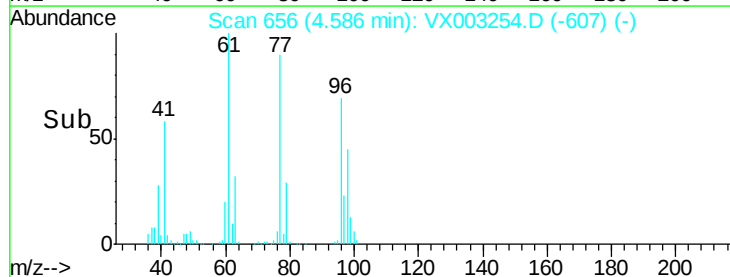
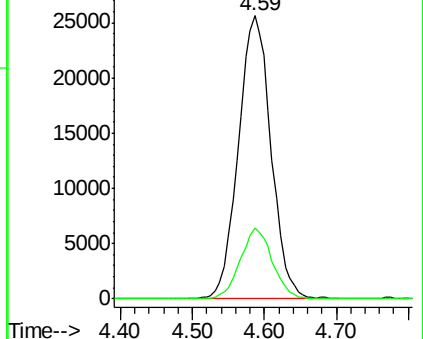
77 100

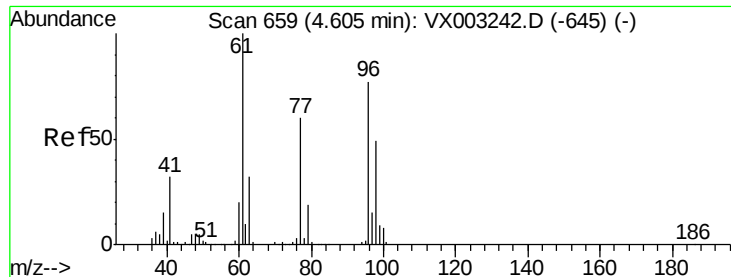
97 24.5 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



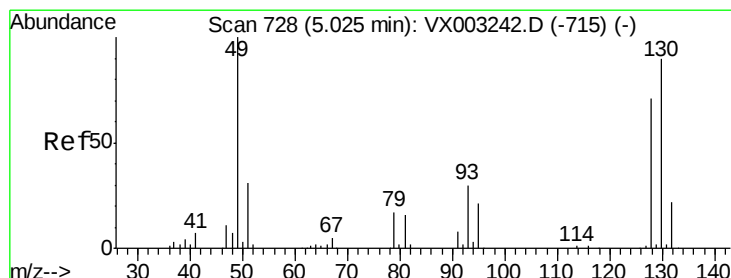
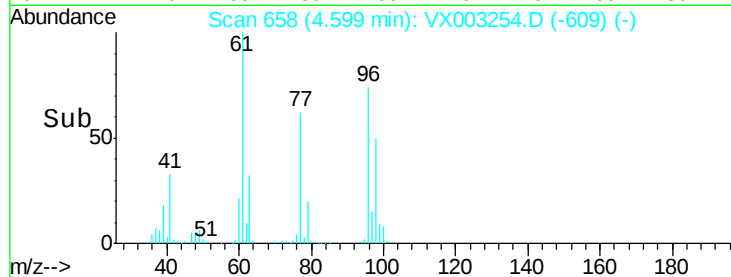
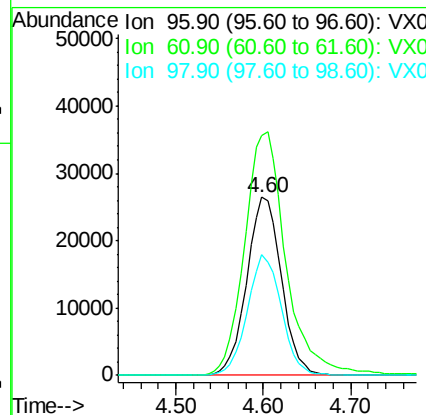
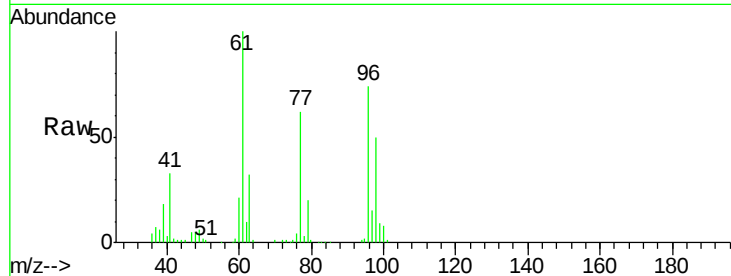


#27

cis-1,2-Dichloroethene
 Concen: 18.60 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

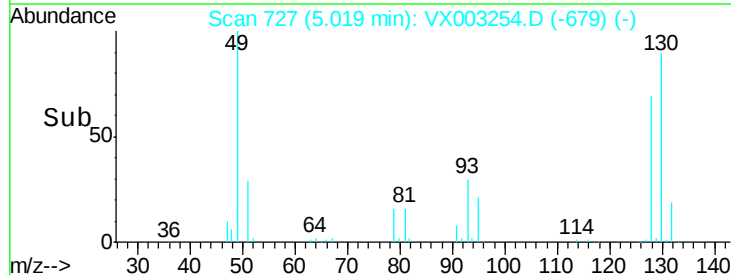
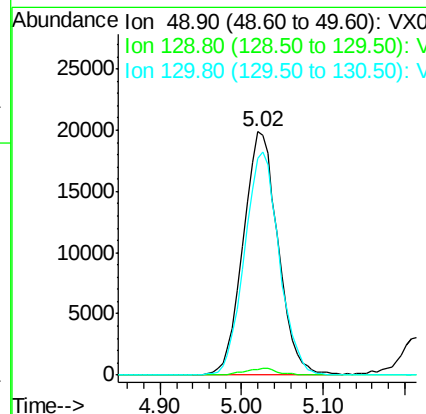
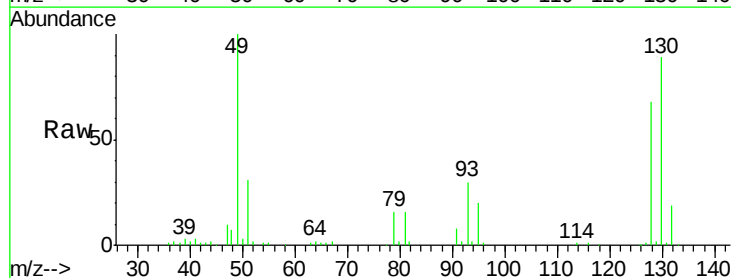
Tot Ion: 96 Resp: 72873
 Ion Ratio Lower Upper
 96 100
 61 163.4 0.0 330.2
 98 66.5 0.0 130.2

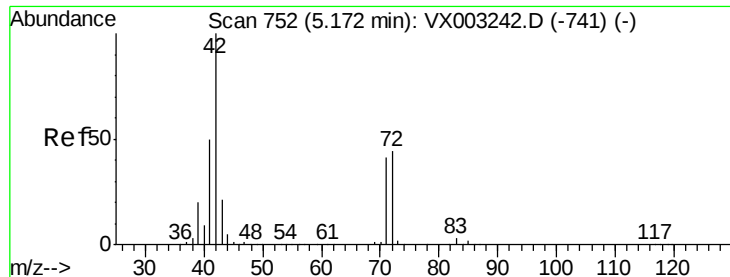


#28

Bromochloromethane
 Concen: 19.98 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Tgt Ion: 49 Resp: 59046
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 4.2
 130 91.0 61.2 91.8





#29

Tetrahydrofuran

Concen: 97.86 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

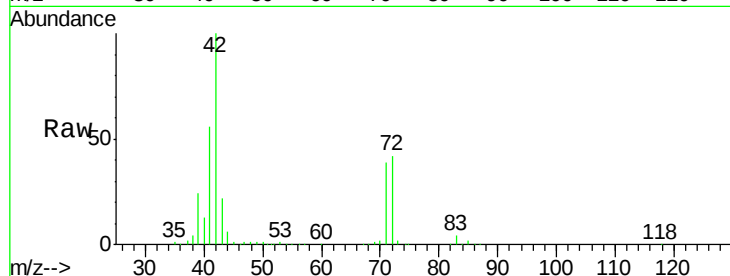
Tot Ion: 42 Resp: 167096

Ion Ratio Lower Upper

42 100

72 43.4 32.0 48.0

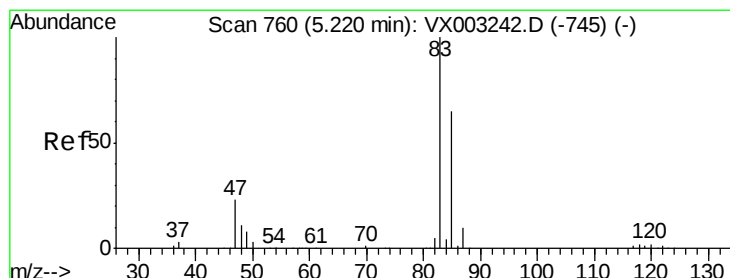
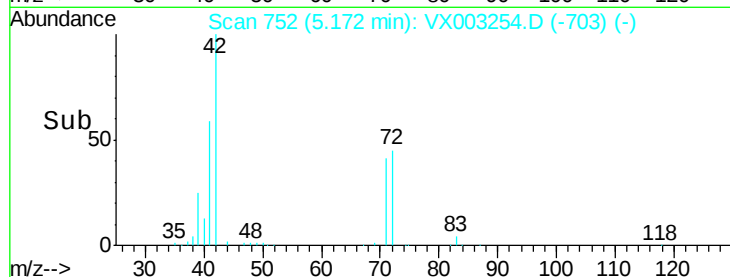
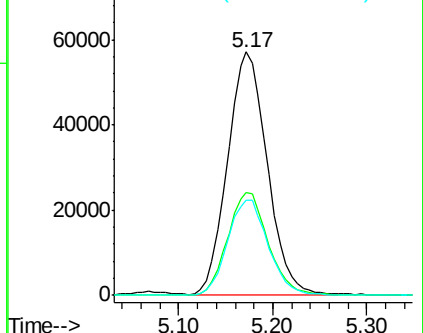
71 40.4 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 18.93 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX003254.D

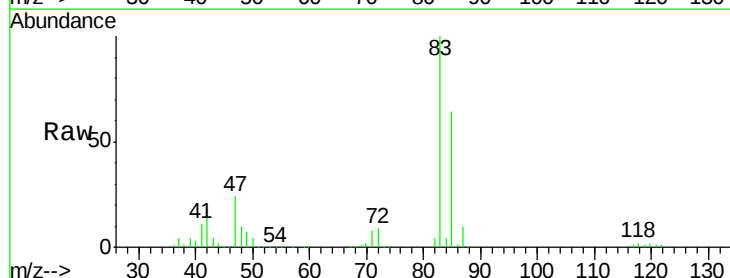
Acq: 09 Jul 2018 20:04

Tgt Ion: 83 Resp: 122115

Ion Ratio Lower Upper

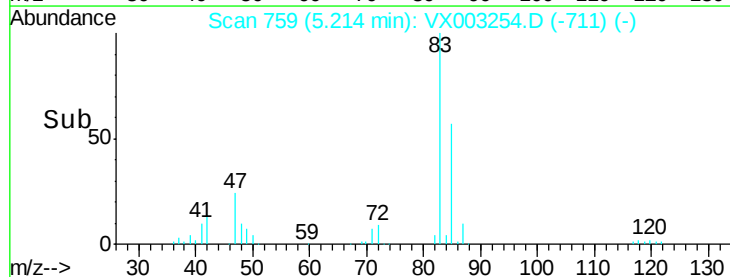
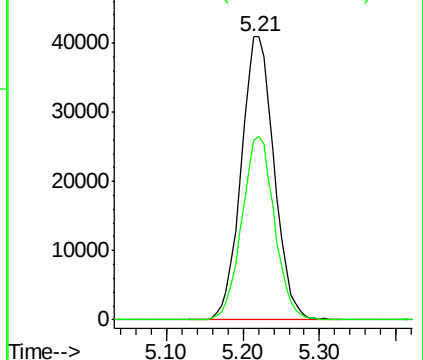
83 100

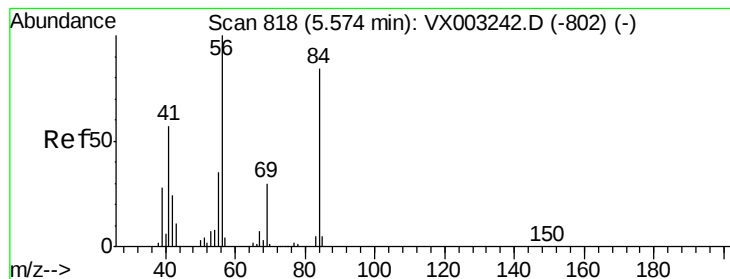
85 63.6 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 18.84 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

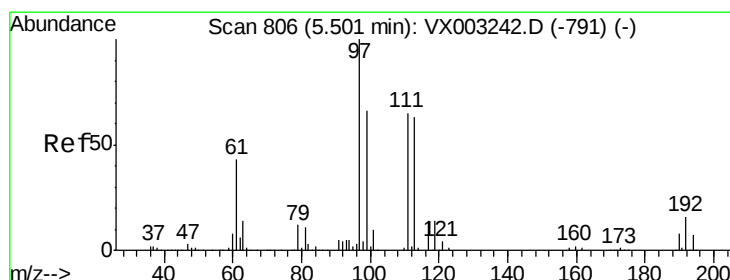
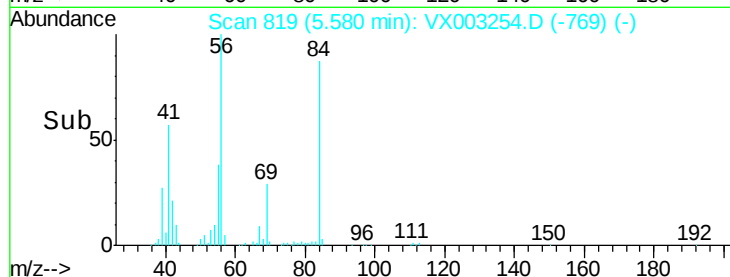
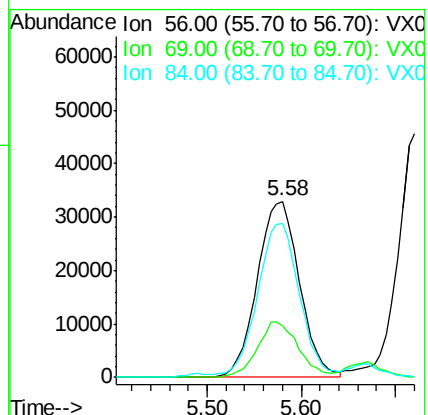
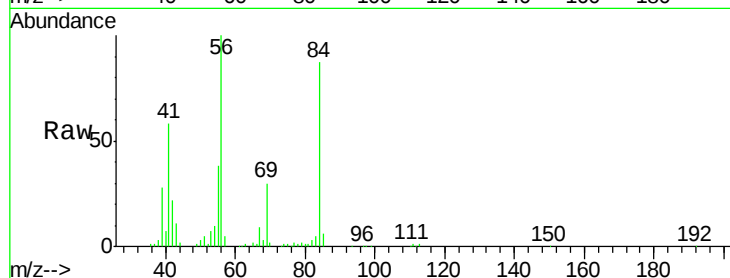
Tot Ion: 56 Resp: 103478

Ion Ratio Lower Upper

56 100

69 29.5 23.7 35.5

84 85.8 64.1 96.1



#32

1,1,1-Trichloroethane

Concen: 19.08 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

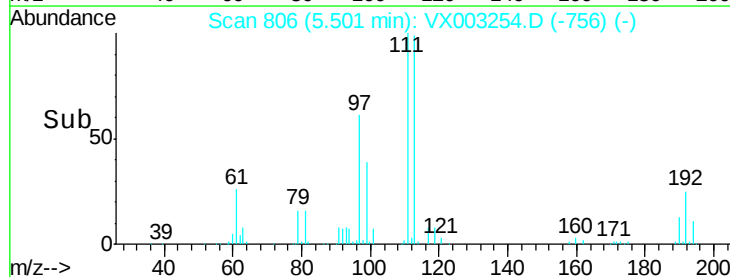
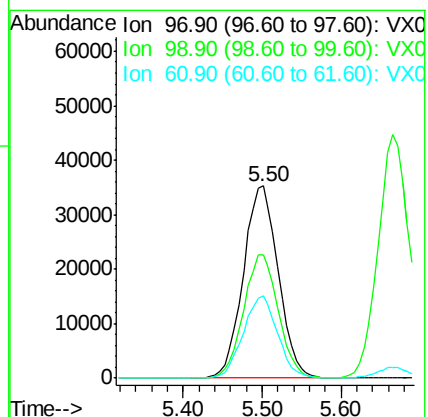
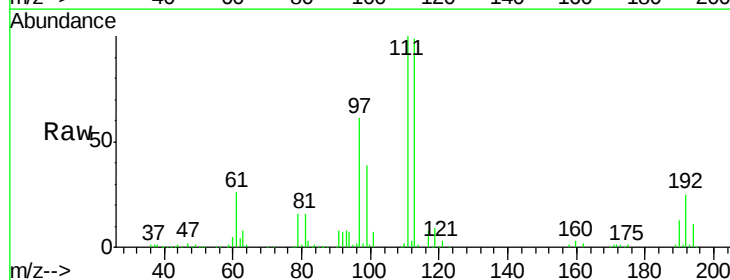
Tgt Ion: 97 Resp: 108573

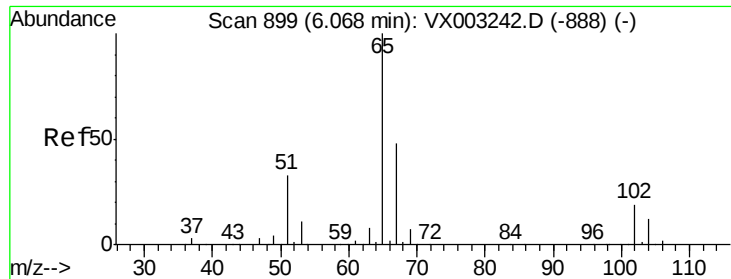
Ion Ratio Lower Upper

97 100

99 64.0 51.6 77.4

61 42.4 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 48.16 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

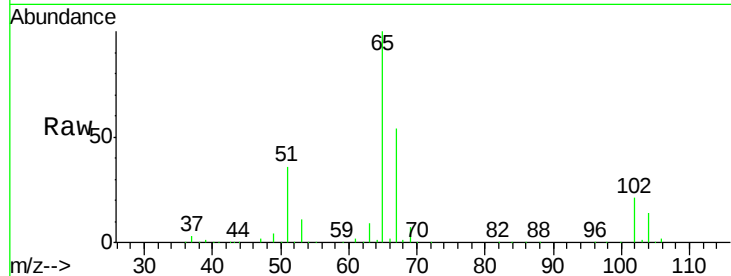
VX0709WBS01

Tot Ion: 65 Resp: 201690

Ion Ratio Lower Upper

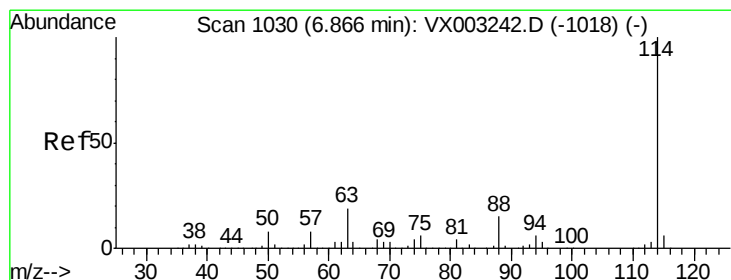
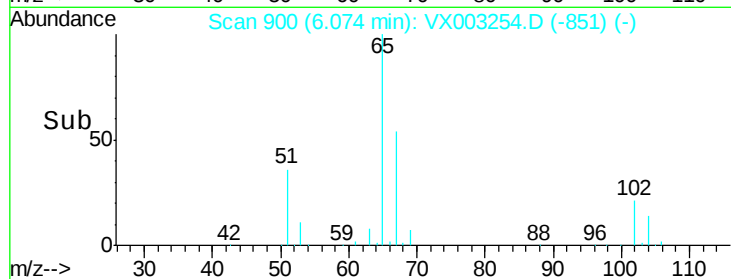
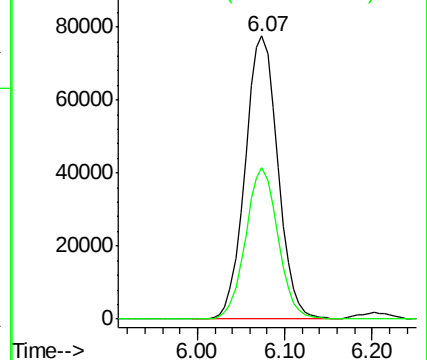
65 100

67 52.9 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

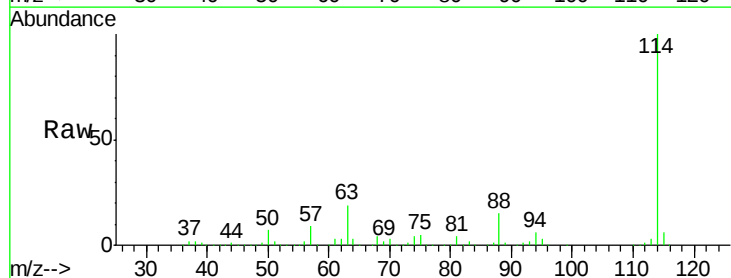
Tgt Ion: 114 Resp: 333066

Ion Ratio Lower Upper

114 100

63 18.6 0.0 41.4

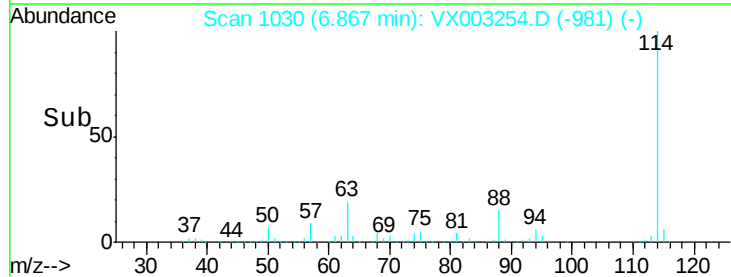
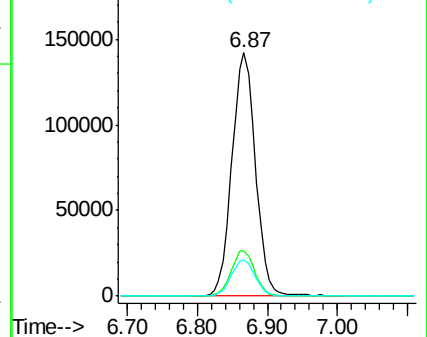
88 14.9 0.0 30.0

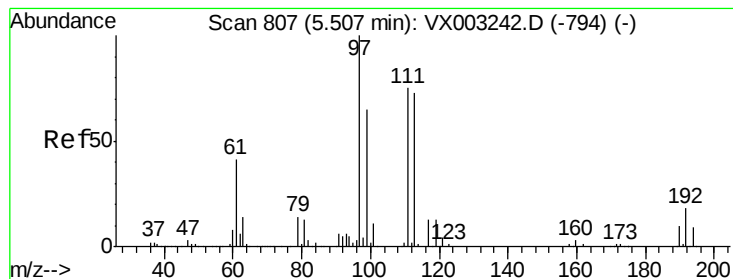


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.40 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

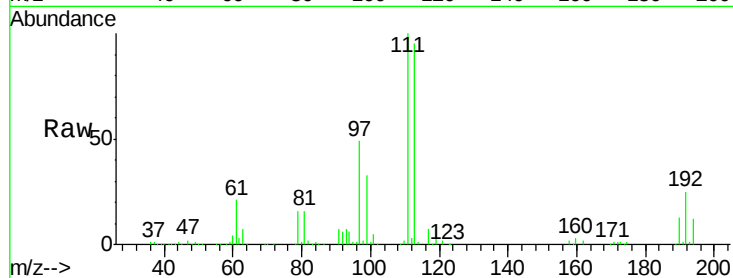
Tot Ion:113 Resp: 173202

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

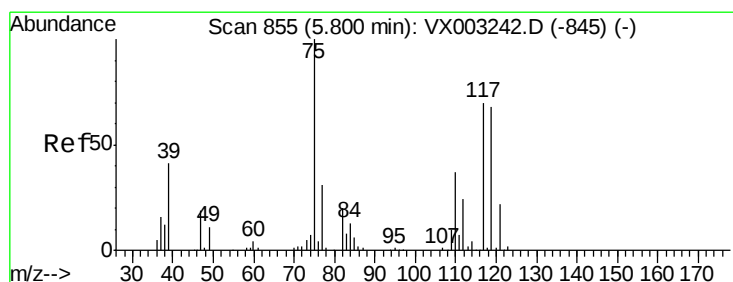
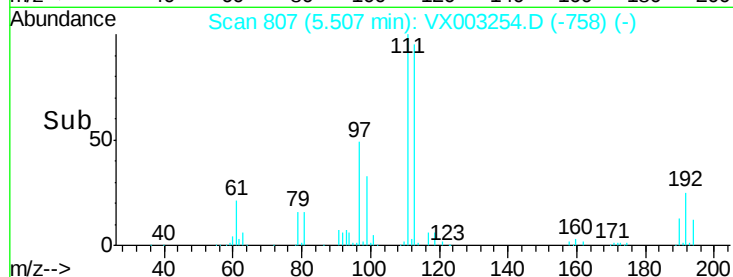
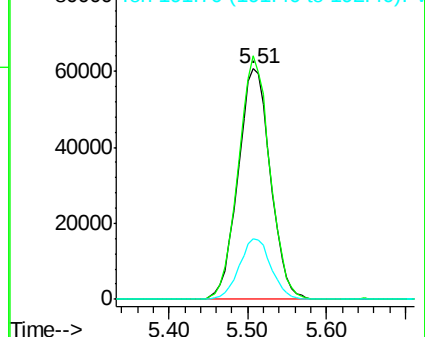
192 25.8 19.1 28.7



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: 18.90 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

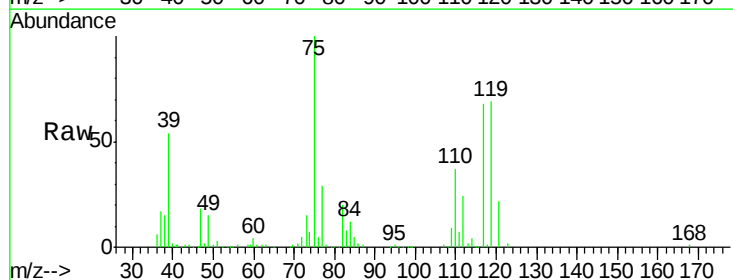
Tgt Ion: 75 Resp: 89112

Ion Ratio Lower Upper

75 100

110 39.0 18.1 54.4

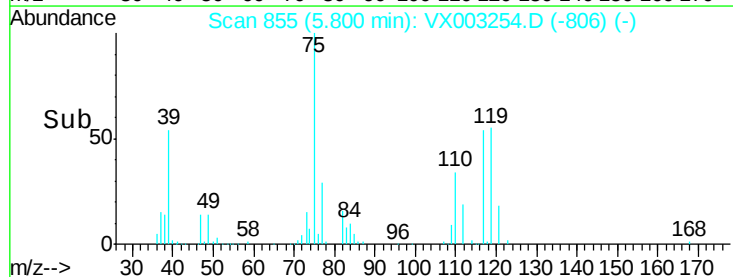
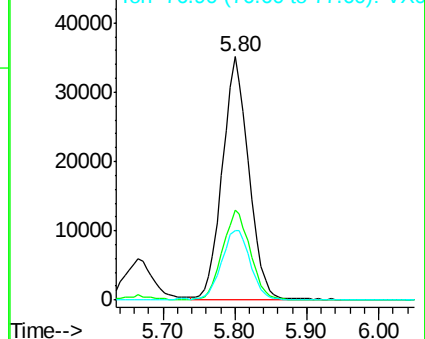
77 30.8 24.3 36.5

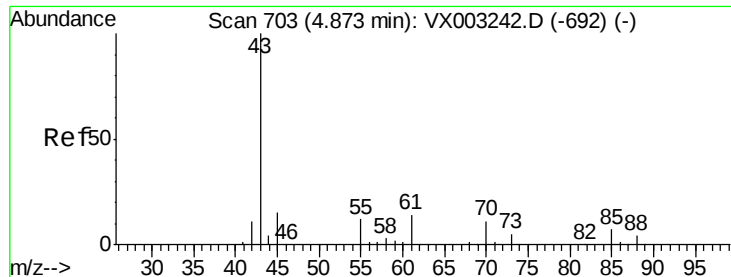


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

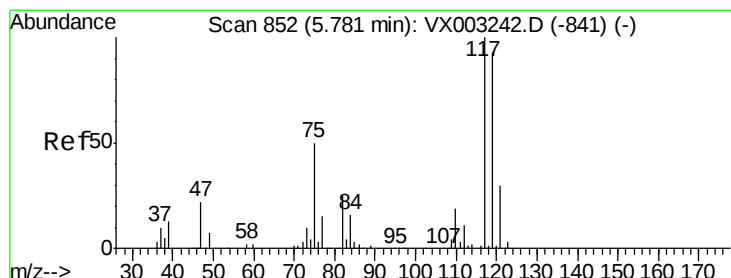
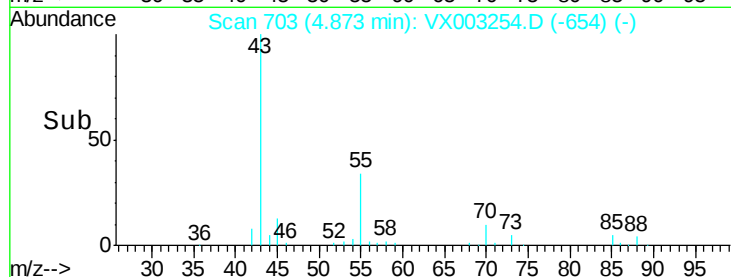
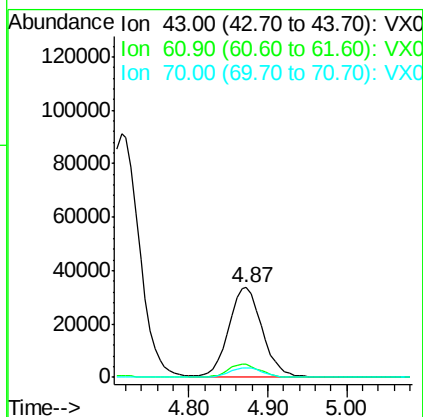
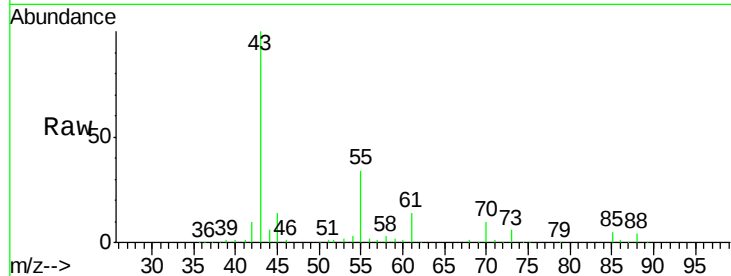




#37
Ethyl Acetate
Concen: 19.15 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

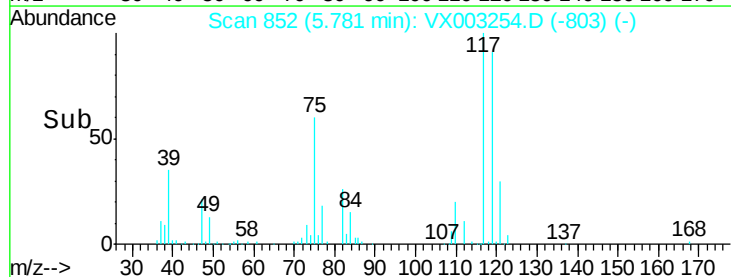
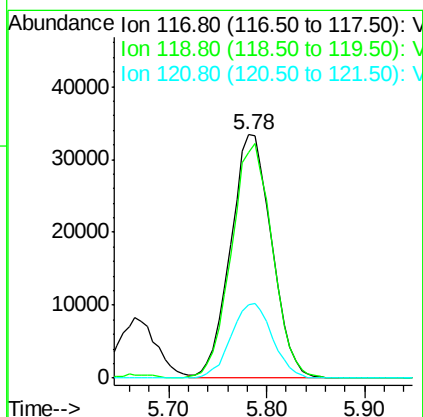
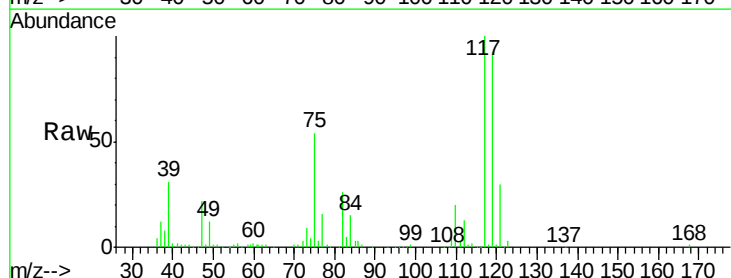
Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion: 43 Resp: 98997
Ion Ratio Lower Upper
43 100
61 13.7 10.4 15.6
70 10.9 7.6 11.4



#38
Carbon Tetrachloride
Concen: 18.94 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion: 117 Resp: 97687
Ion Ratio Lower Upper
117 100
119 92.5 77.4 116.0
121 30.1 24.4 36.6

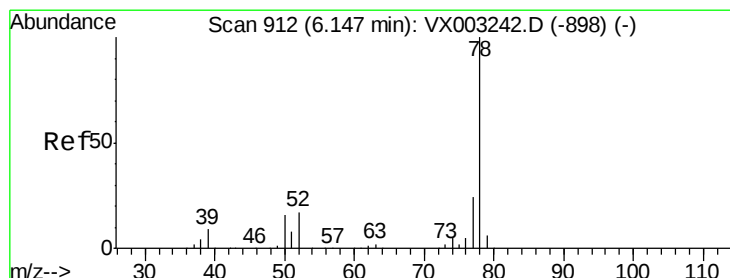
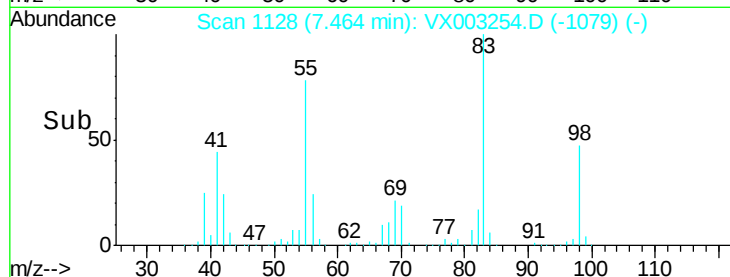
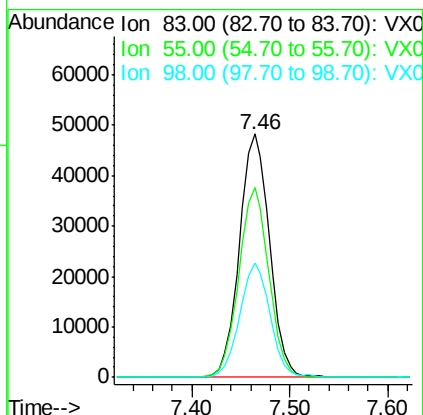
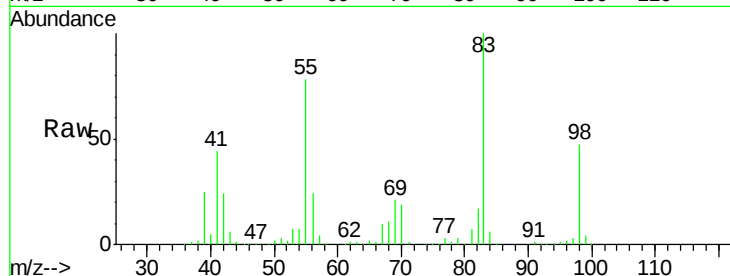




#39
Methvlcvclohexane
Concen: 18.55 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

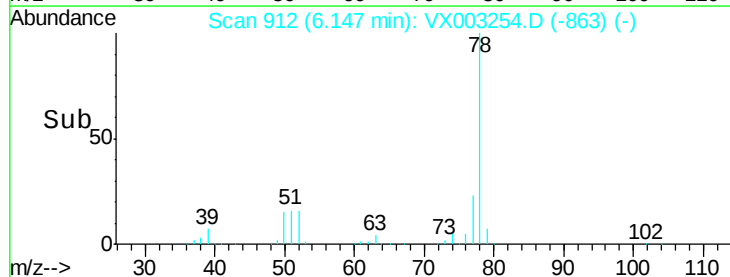
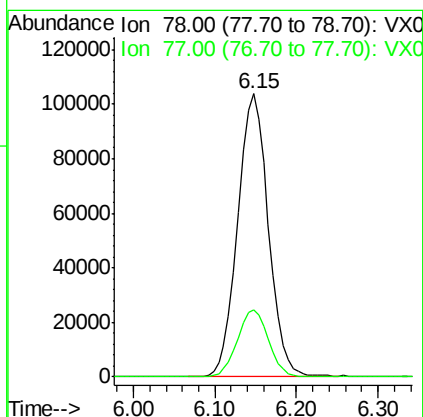
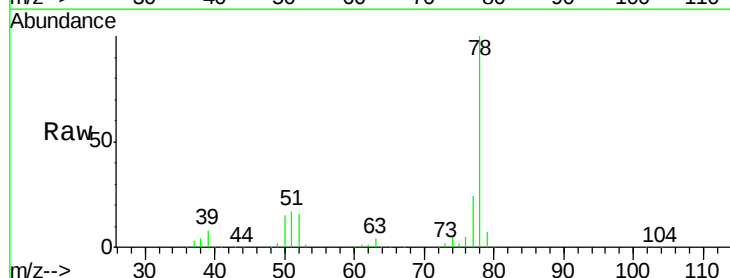
Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

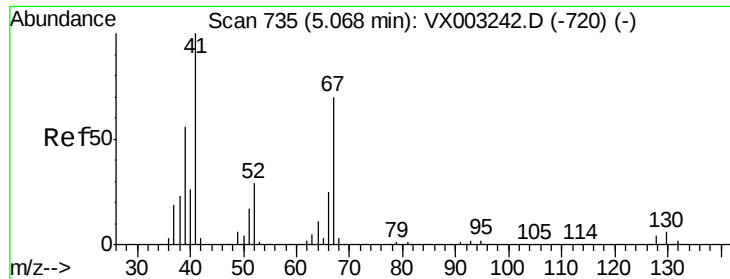
Tot Ion: 83 Resp: 103011
Ion Ratio Lower Upper
83 100
55 77.8 65.4 98.0
98 46.9 37.4 56.0



#40
Benzene
Concen: 19.42 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion: 78 Resp: 271321
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7

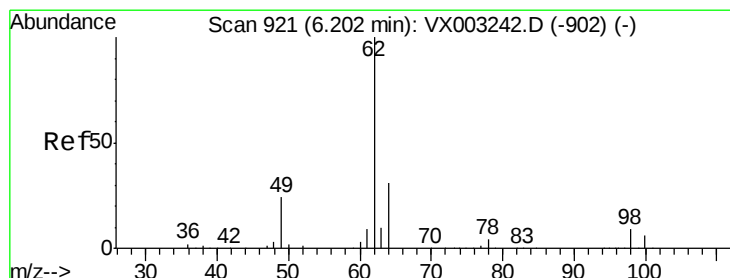
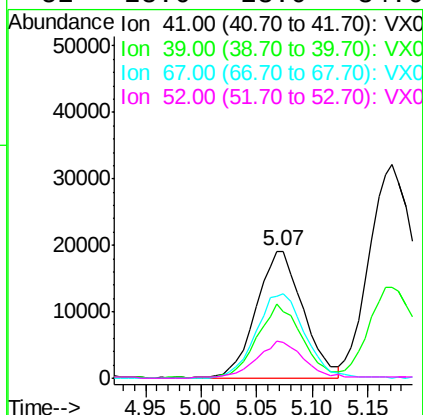
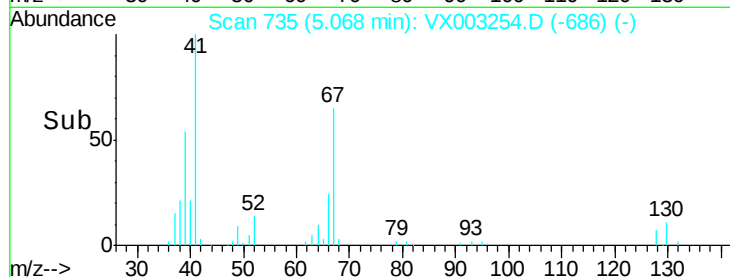
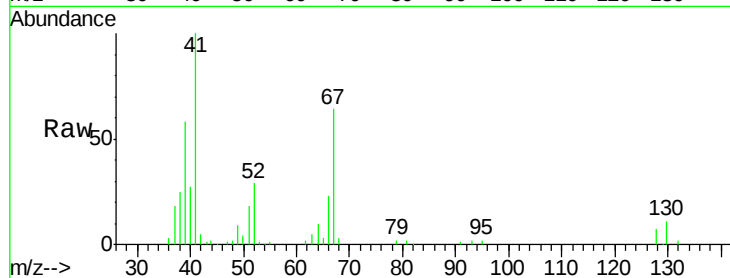




#41
Methacrylonitrile
Concen: 19.70 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

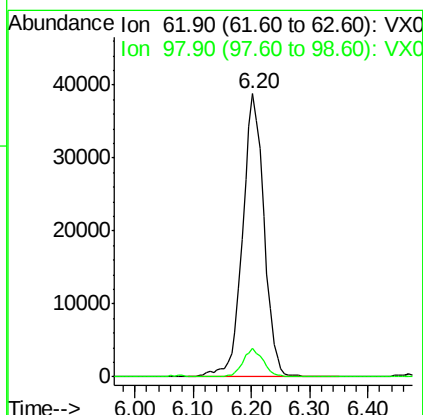
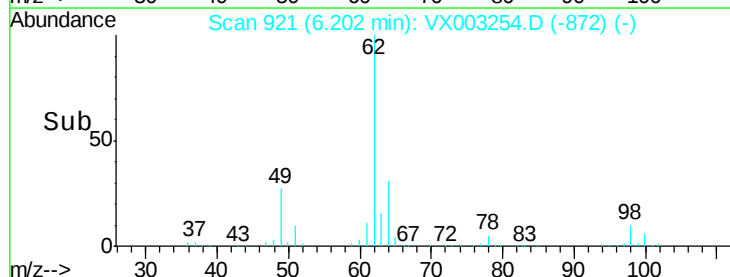
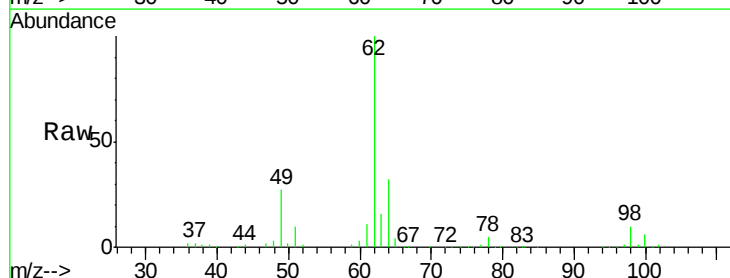
Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

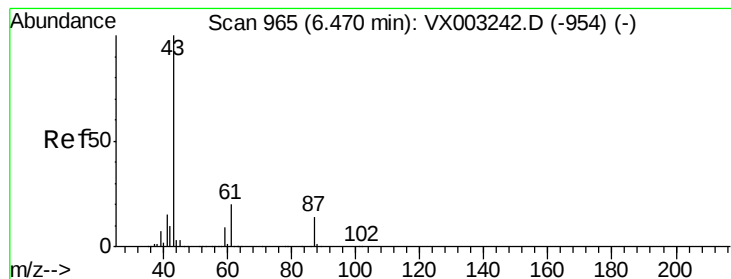
Tot Ion:	41	Resp:	55733
Ion	Ratio	Lower	Upper
41	100		
39	55.5	45.8	68.6
67	69.7	51.3	76.9
52	28.6	23.0	34.6



#42
1,2-Dichloroethane
Concen: 18.95 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion:	62	Resp:	98931
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	16.6



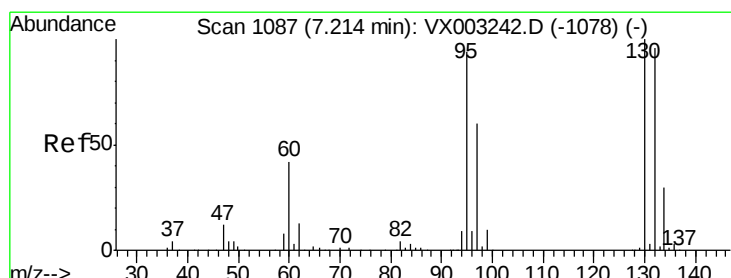
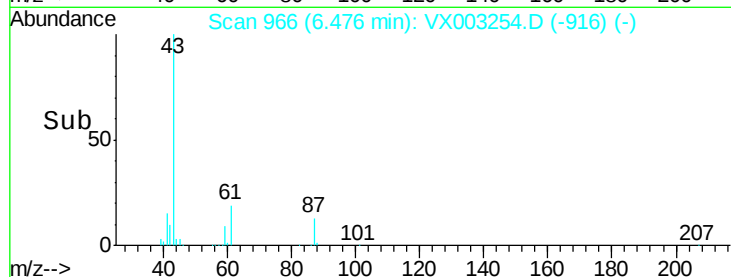
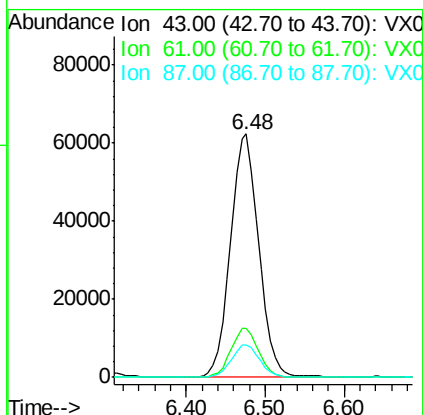
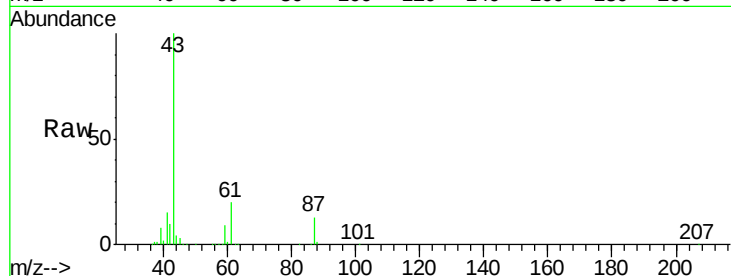


#43

Isopropyl Acetate
 Concen: 19.10 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

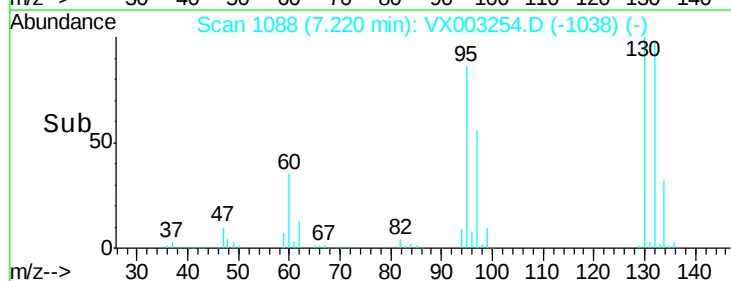
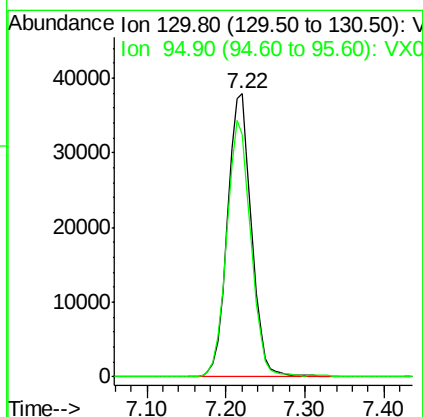
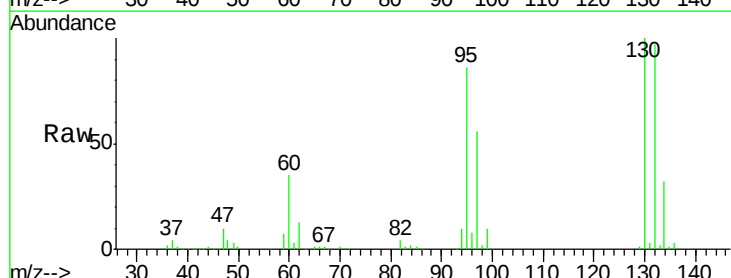
Tot Ion: 43 Resp: 155019
 Ion Ratio Lower Upper
 43 100
 61 20.0 14.4 21.6
 87 13.4 9.5 14.3

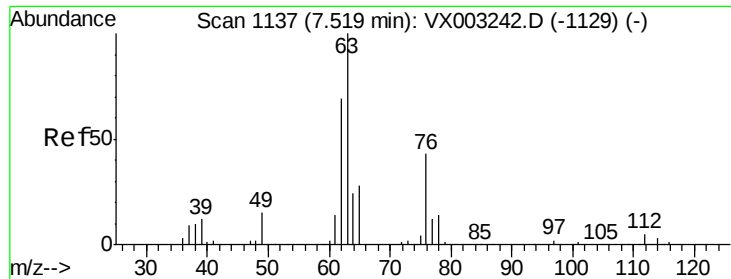


#44

Trichloroethene
 Concen: 19.47 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Tgt Ion: 130 Resp: 80461
 Ion Ratio Lower Upper
 130 100
 95 85.9 0.0 185.4





#45

1,2-Dichloropropane

Concen: 19.17 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

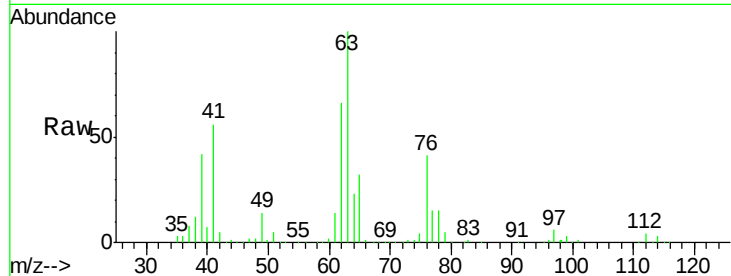
VX0709WBS01

Tot Ion: 63 Resp: 69646

Ion Ratio Lower Upper

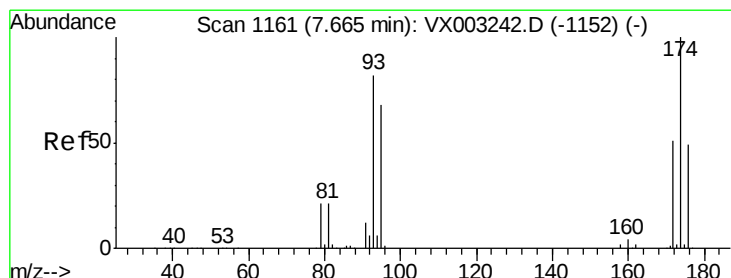
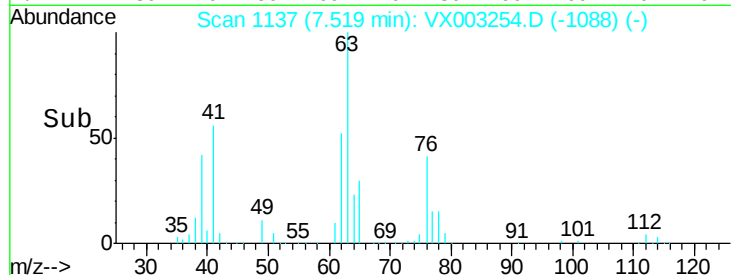
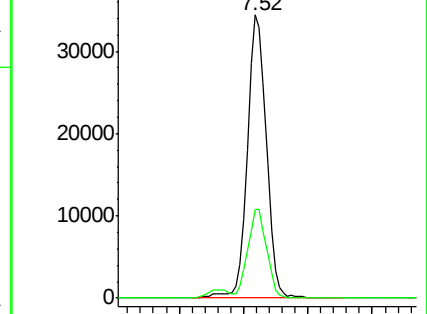
63 100

65 31.5 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.99 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

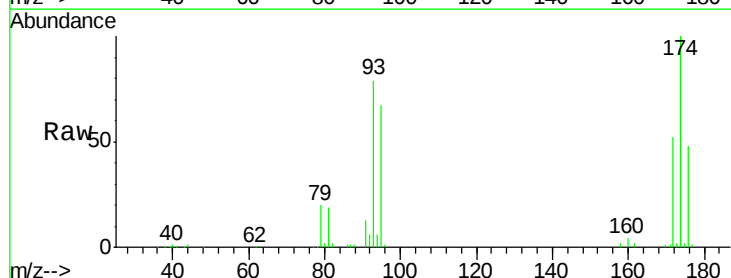
Tgt Ion: 93 Resp: 47026

Ion Ratio Lower Upper

93 100

95 84.9 65.9 98.9

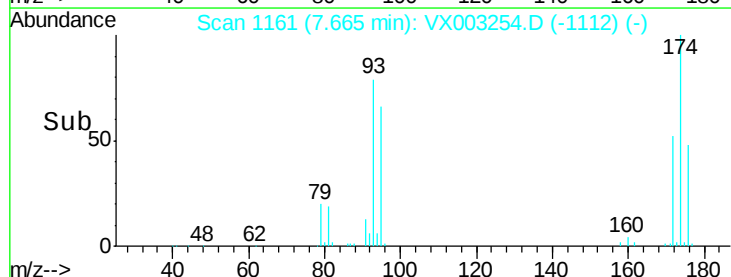
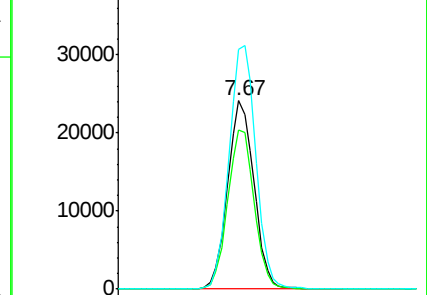
174 131.0 92.4 138.6

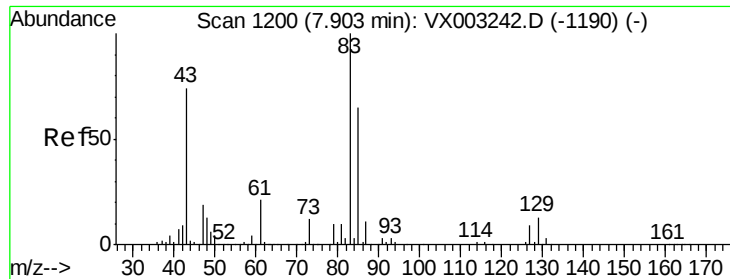


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.86 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

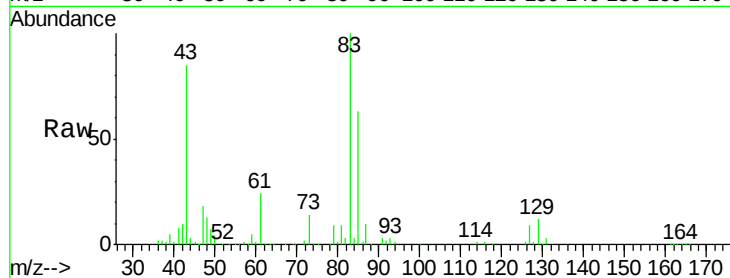
Tot Ion: 83 Resp: 86164

Ion Ratio Lower Upper

83 100

85 62.9 50.3 75.5

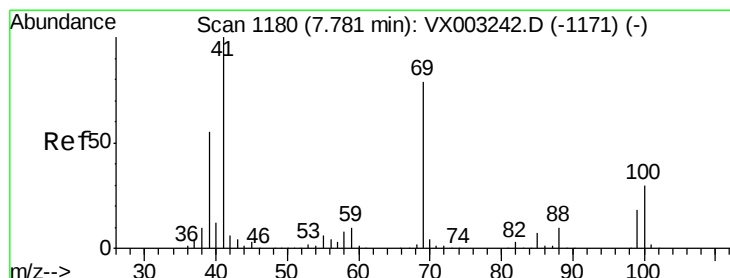
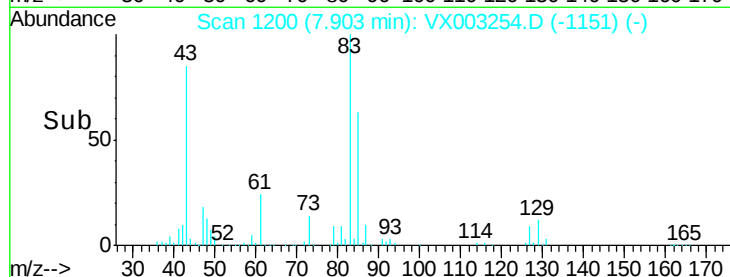
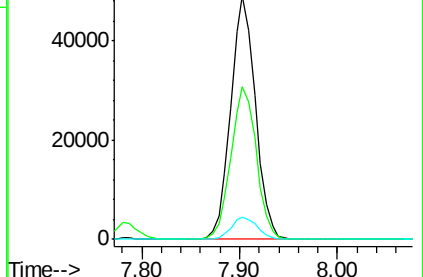
127 9.1 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.95 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

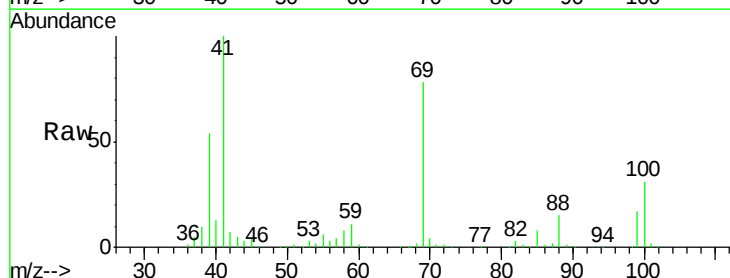
Tgt Ion: 41 Resp: 78906

Ion Ratio Lower Upper

41 100

69 82.2 59.1 88.7

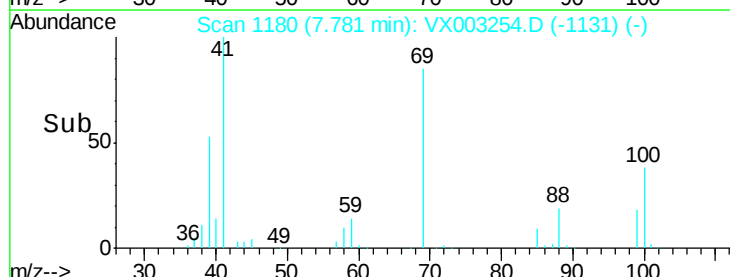
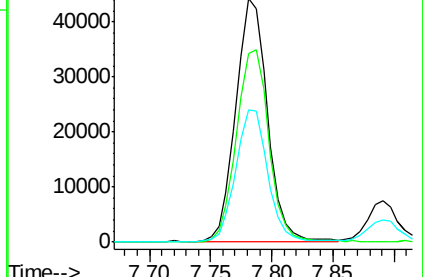
39 55.0 48.9 73.3

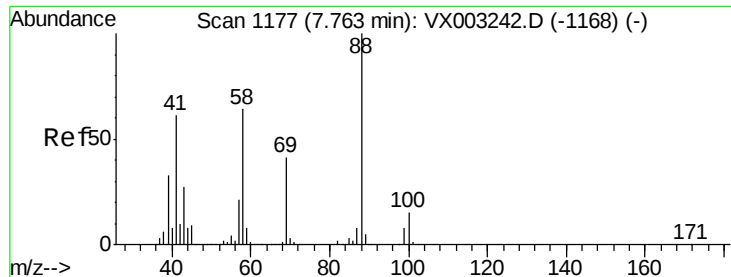


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

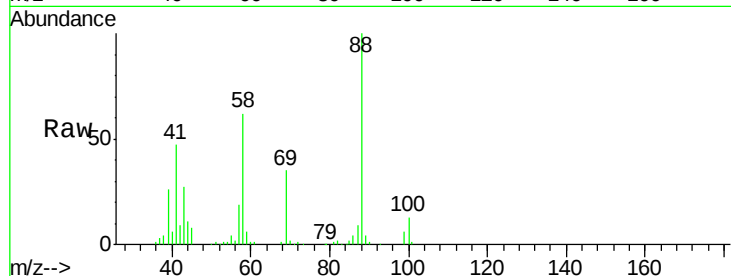




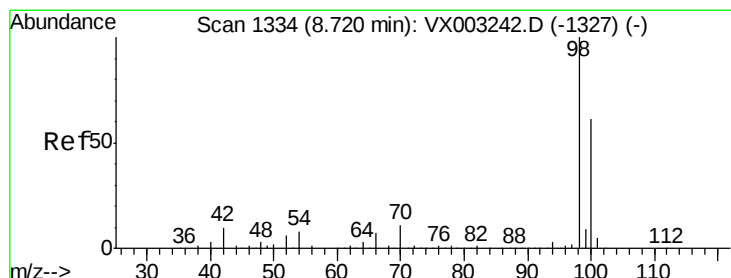
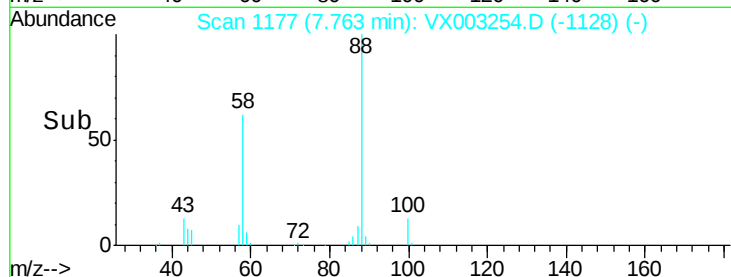
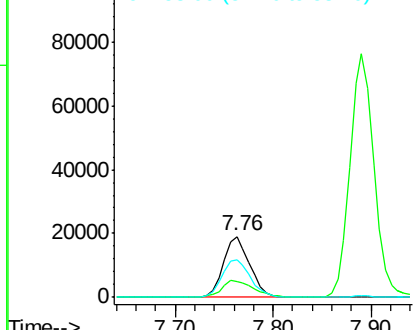
#49
1,4-Dioxane
Concen: 409.60 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion: 88 Resp: 35652
Ion Ratio Lower Upper
88 100
43 31.6 29.8 44.6
58 68.2 57.1 85.7

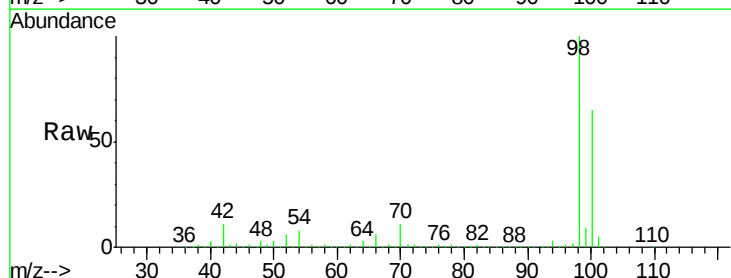


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

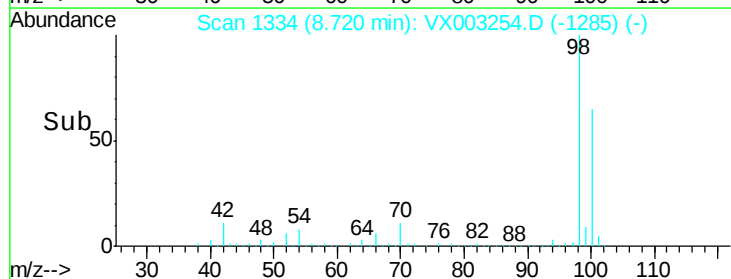
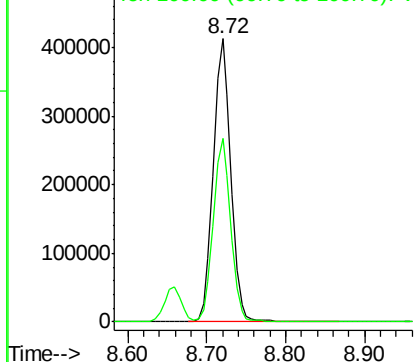


#50
Toluene-d8
Concen: 50.25 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion: 98 Resp: 638713
Ion Ratio Lower Upper
98 100
100 64.8 50.9 76.3



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





#51

4-Methyl-2-Pentanone

Concen: 100.47 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

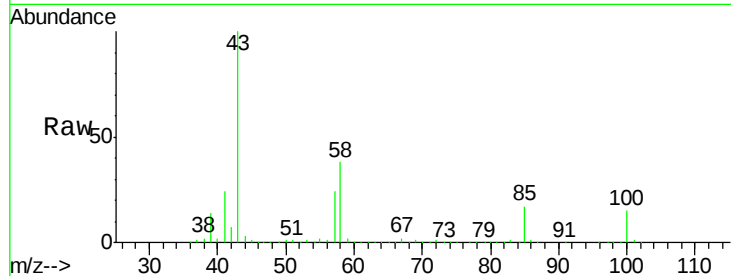
VX0709WBS01

Tot Ion: 43 Resp: 507683

Ion Ratio Lower Upper

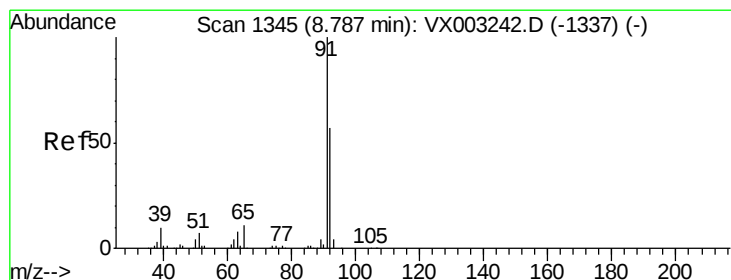
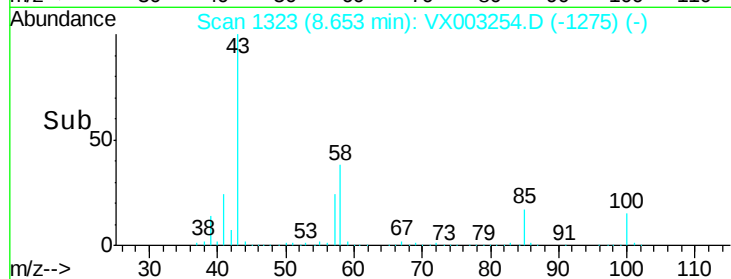
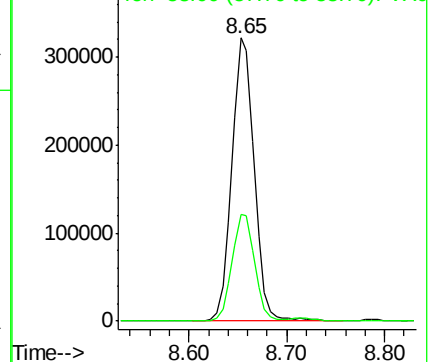
43 100

58 38.1 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.56 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003254.D

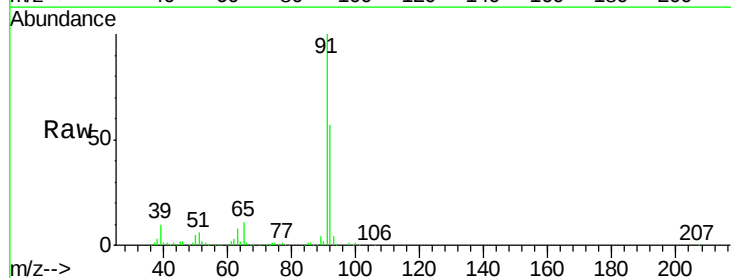
Acq: 09 Jul 2018 20:04

Tgt Ion: 92 Resp: 172746

Ion Ratio Lower Upper

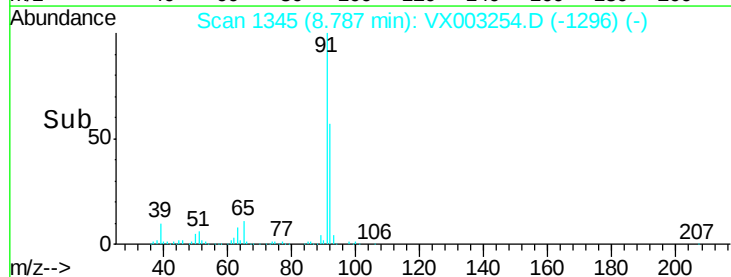
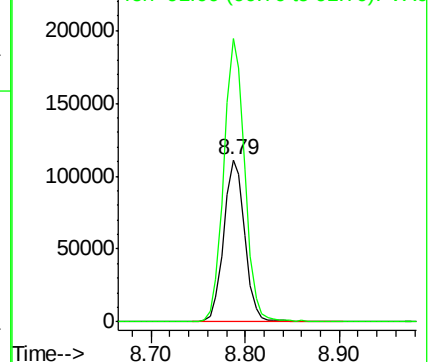
92 100

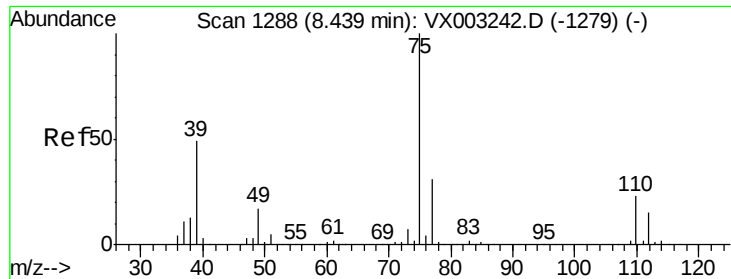
91 173.6 140.4 210.6



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: 18.55 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

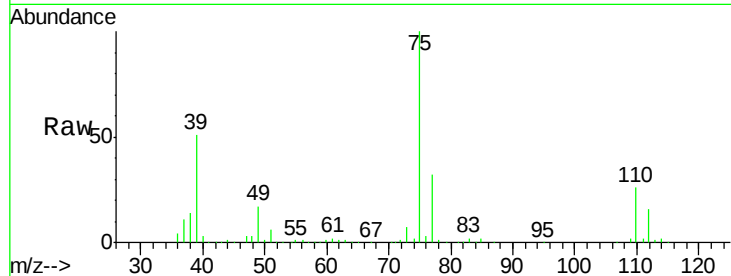
VX0709WBS01

Tot Ion: 75 Resp: 99715

Ion Ratio Lower Upper

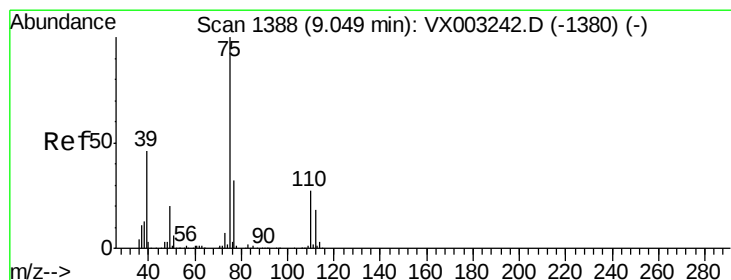
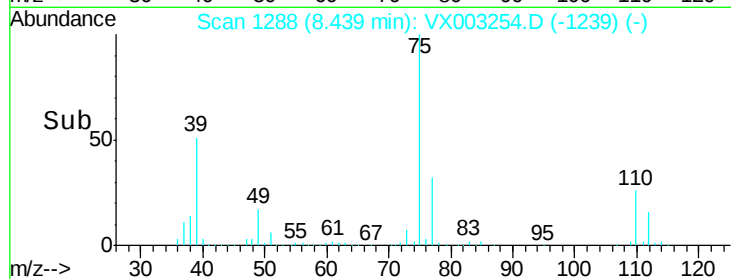
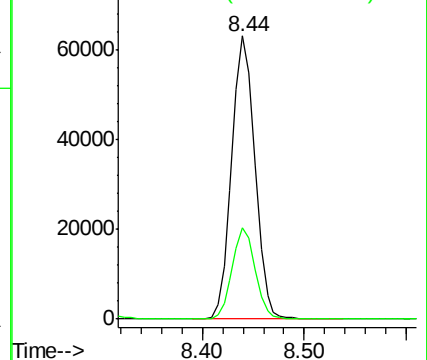
75 100

77 32.2 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 18.44 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

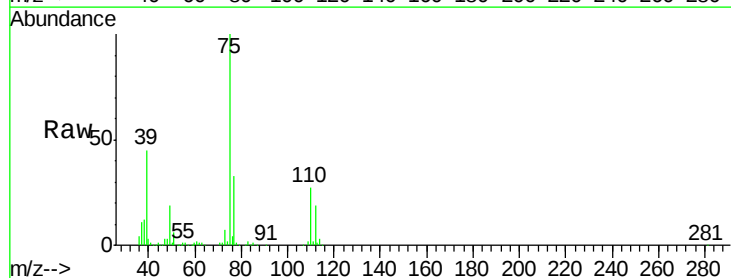
Tgt Ion: 75 Resp: 90228

Ion Ratio Lower Upper

75 100

77 33.1 24.8 37.2

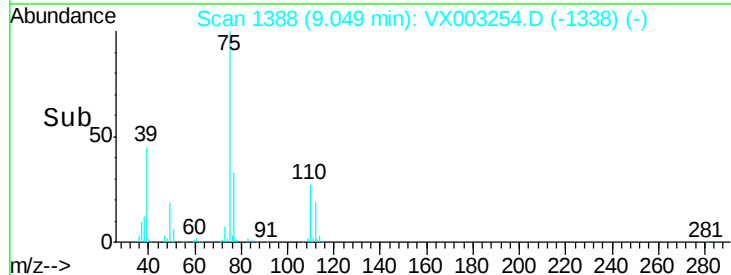
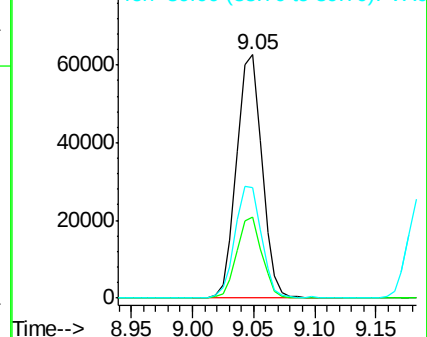
39 45.2 42.4 63.6

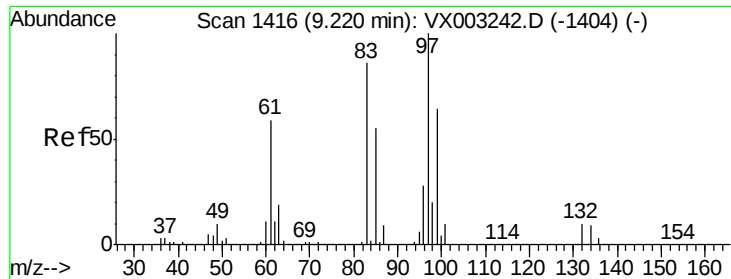


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

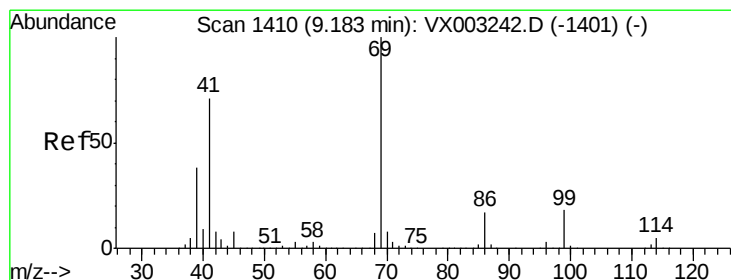
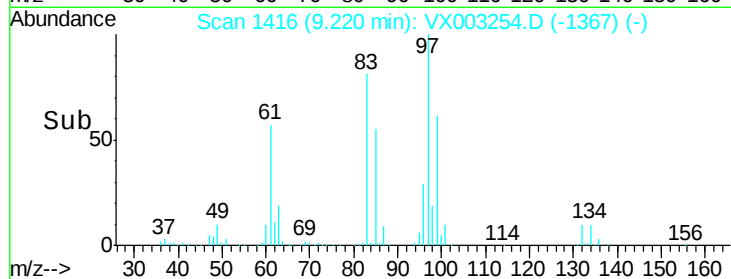
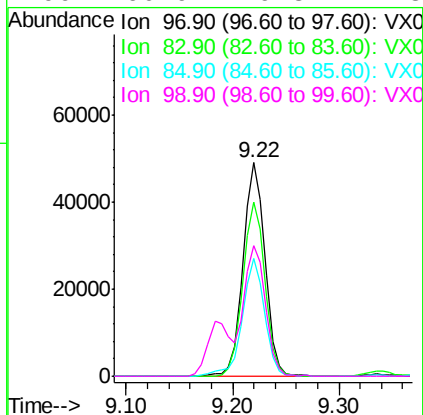
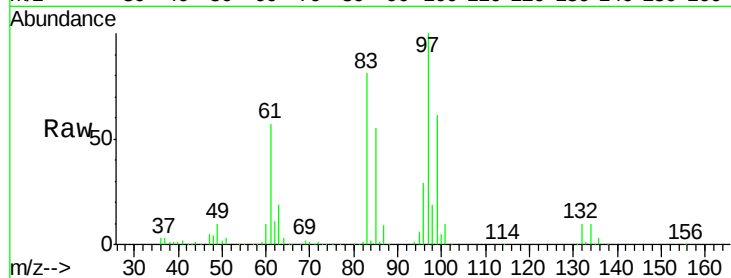




#55
 1,1,2-Trichloroethane
 Concen: 19.40 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

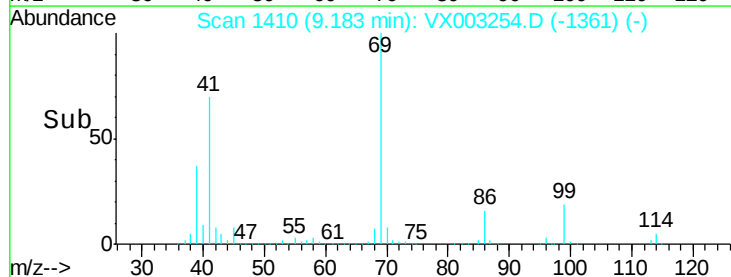
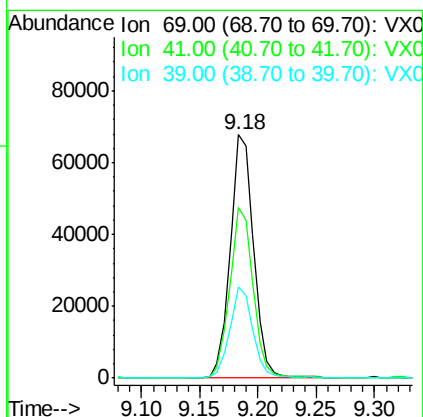
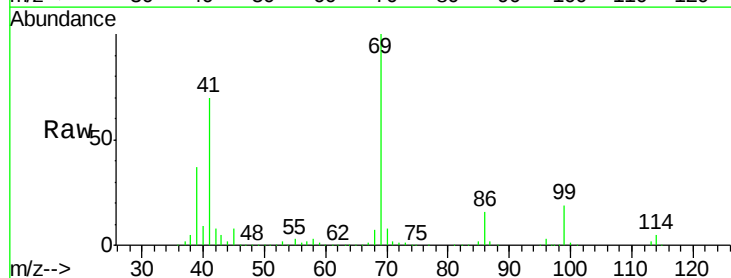
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

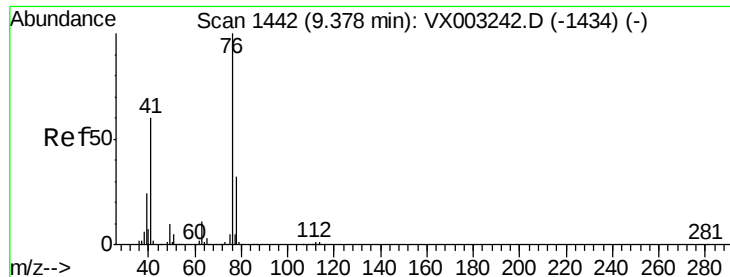
Tot Ion:	97	Resp:	71090
Ion	Ratio	Lower	Upper
97	100		
83	81.3	70.2	105.2
85	54.9	44.9	67.3
99	60.9	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 18.98 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Tgt Ion:	69	Resp:	95263
Ion	Ratio	Lower	Upper
69	100		
41	69.9	60.3	90.5
39	36.3	35.8	53.8





#57

1,3-Dichloropropane

Concen: 19.23 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

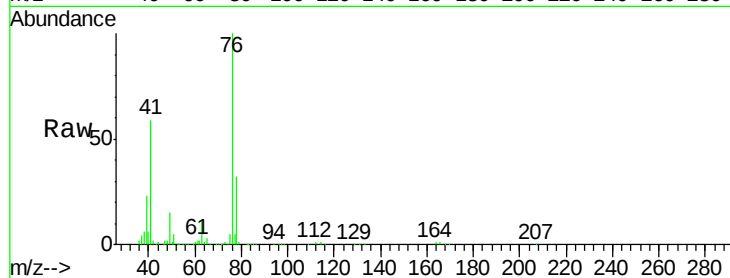
VX0709WBS01

Tot Ion: 76 Resp: 113511

Ion Ratio Lower Upper

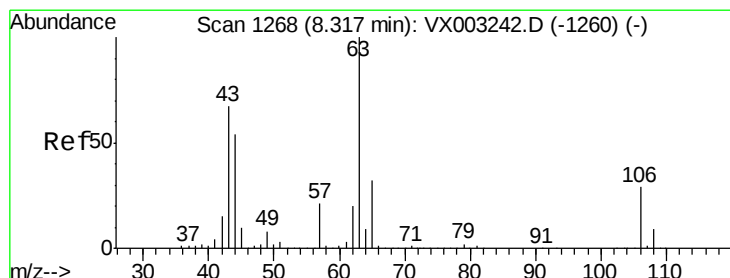
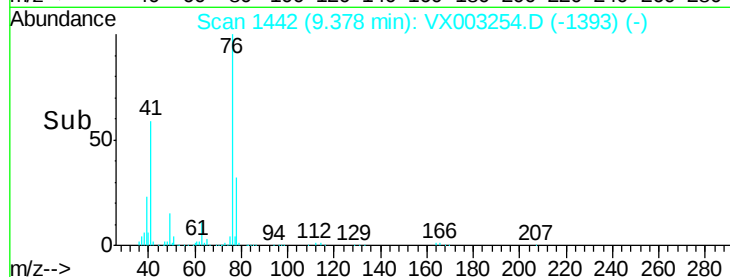
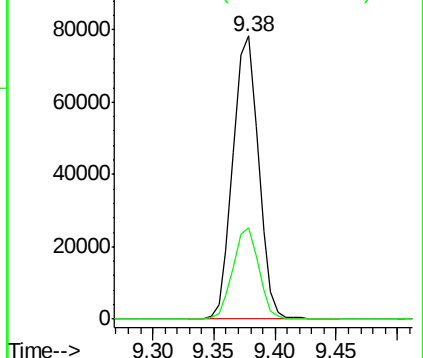
76 100

78 32.6 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 103.02 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003254.D

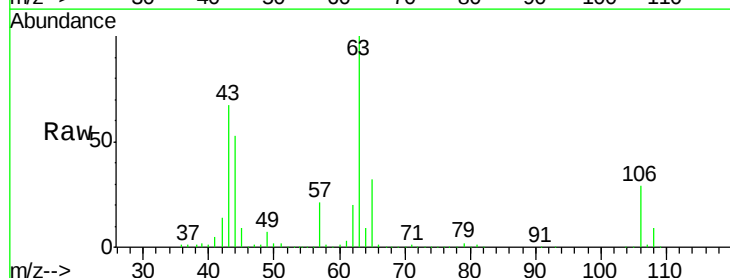
Acq: 09 Jul 2018 20:04

Tgt Ion: 63 Resp: 249410

Ion Ratio Lower Upper

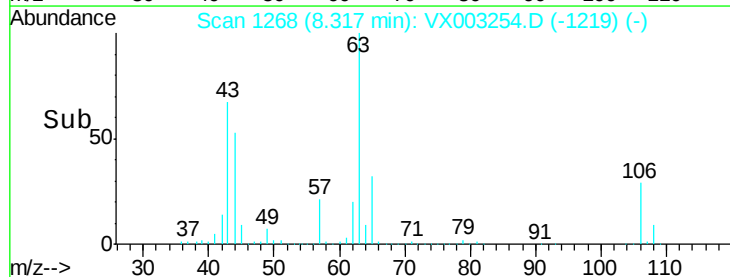
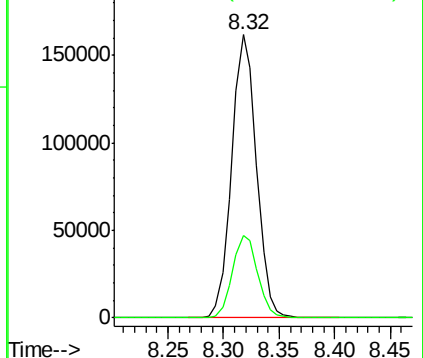
63 100

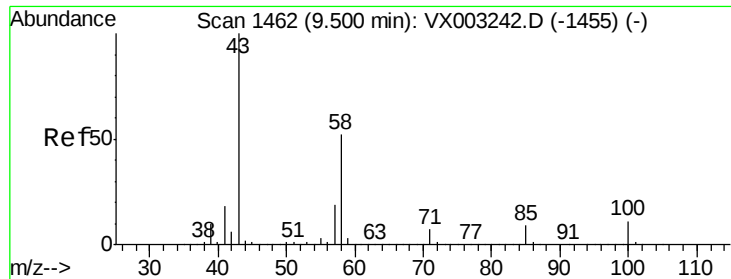
106 29.8 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

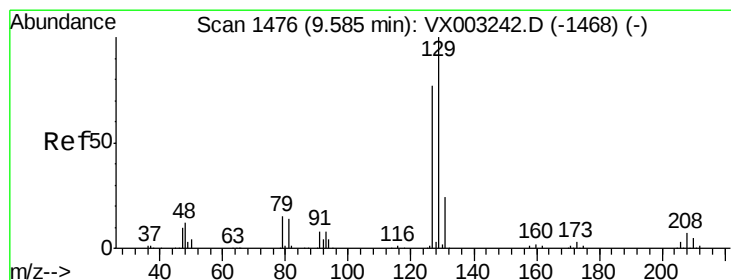
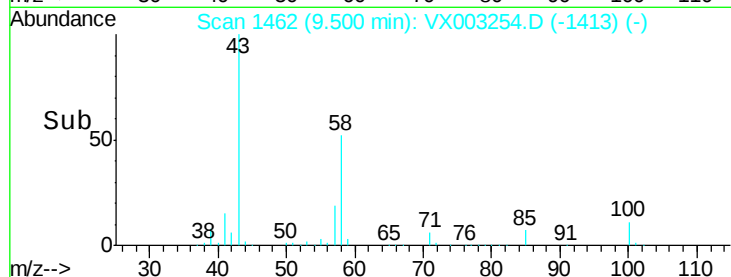
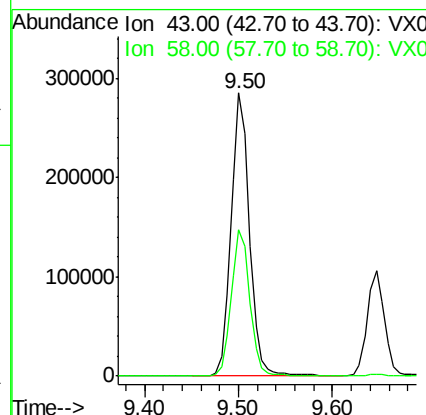
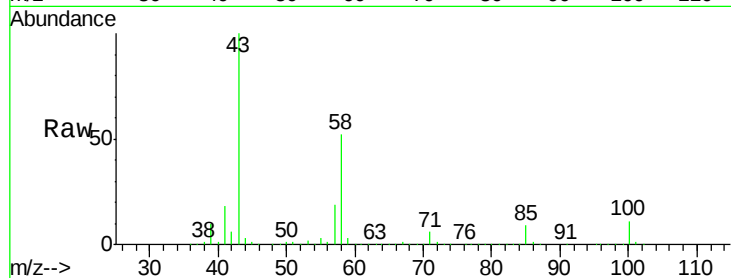




#59
2-Hexanone
Concen: 100.56 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

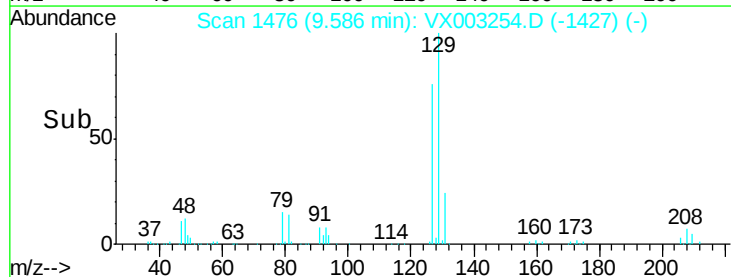
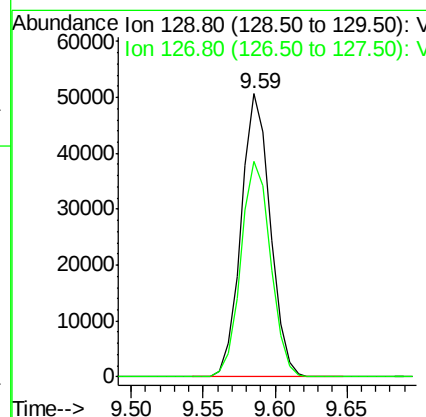
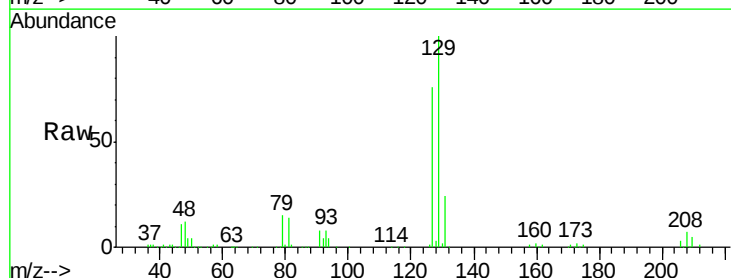
Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

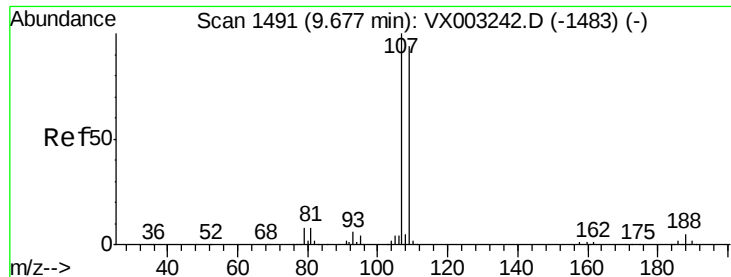
Tot Ion: 43 Resp: 385947
Ion Ratio Lower Upper
43 100
58 52.6 24.6 73.6



#60
Dibromochloromethane
Concen: 18.65 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion:129 Resp: 71354
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.41 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

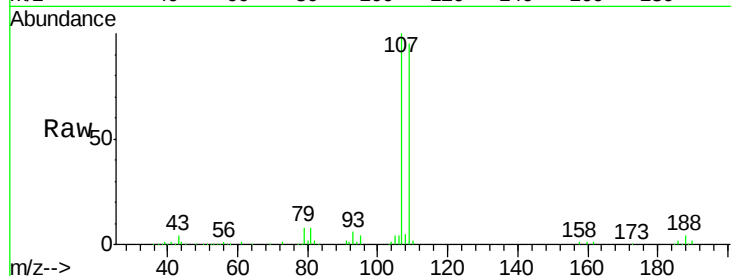
VX0709WBS01

Tot Ion:107 Resp: 74524

Ion Ratio Lower Upper

107 100

109 94.1 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

60000

50000

40000

30000

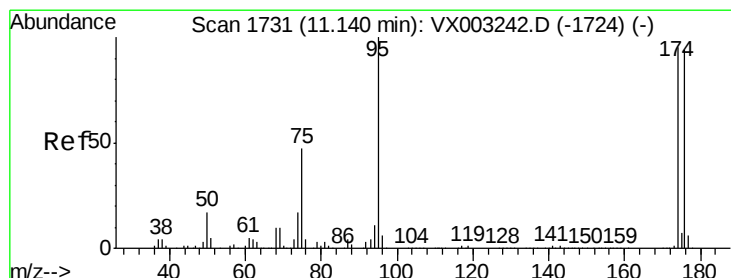
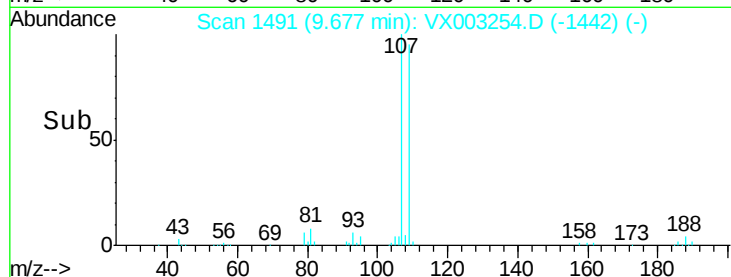
20000

10000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 49.22 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

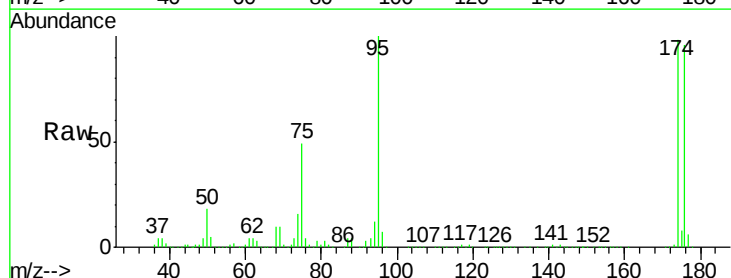
Tgt Ion: 95 Resp: 231147

Ion Ratio Lower Upper

95 100

174 101.0 0.0 187.4

176 98.7 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

250000

200000

150000

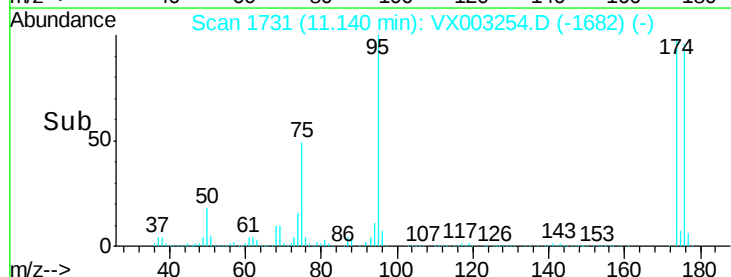
100000

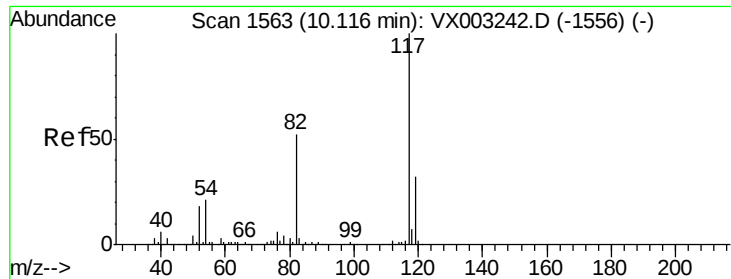
50000

0

Time-->

11.10 11.20

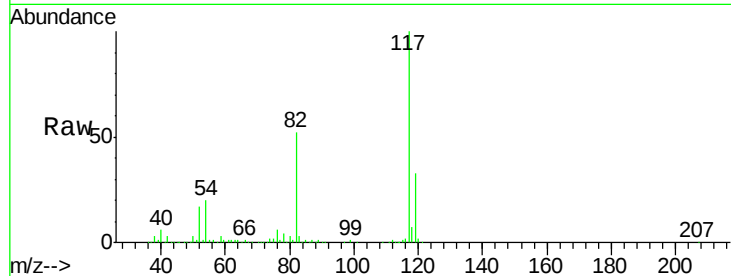




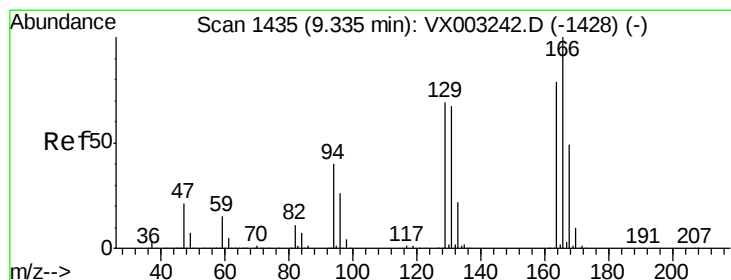
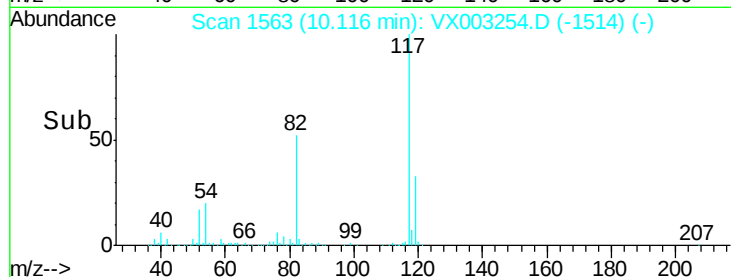
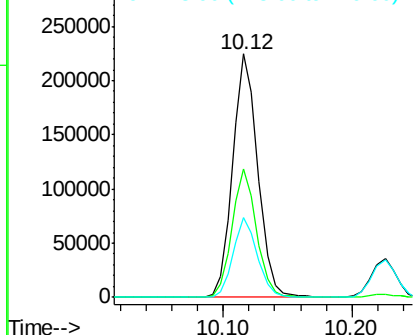
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

Tot Ion:117 Resp: 305256
Ion Ratio Lower Upper
117 100
82 52.5 45.0 67.4
119 32.7 25.8 38.6

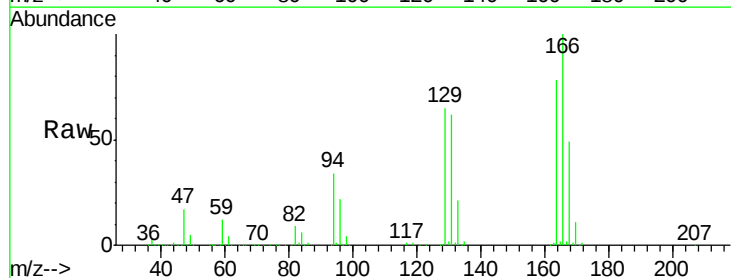


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

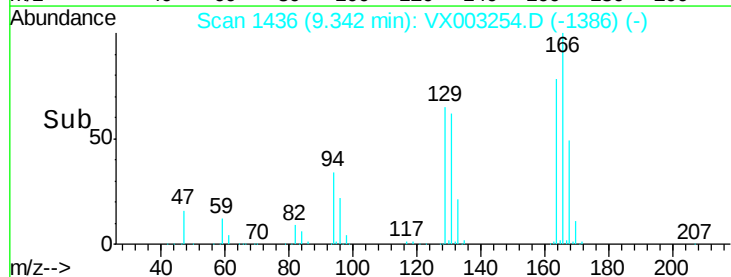
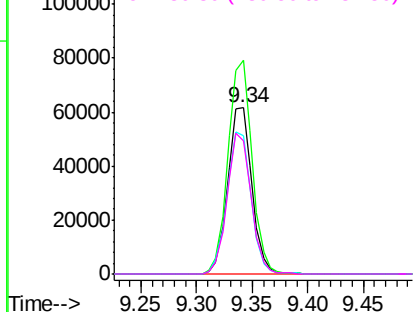


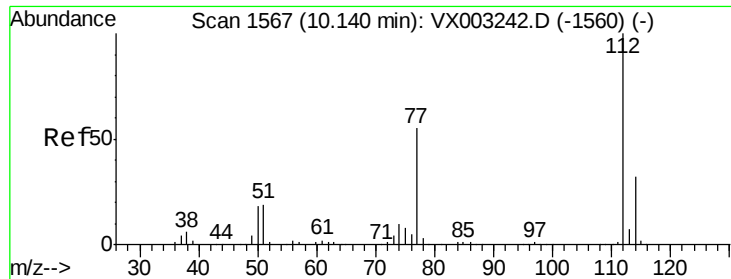
#64
Tetrachloroethene
Concen: 20.04 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion:164 Resp: 92485
Ion Ratio Lower Upper
164 100
166 128.7 102.9 154.3
129 83.3 68.6 102.8
131 80.3 66.8 100.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

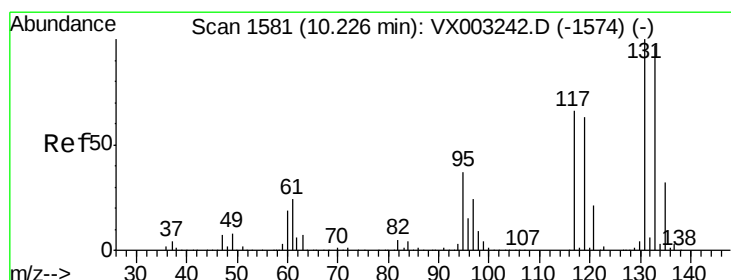
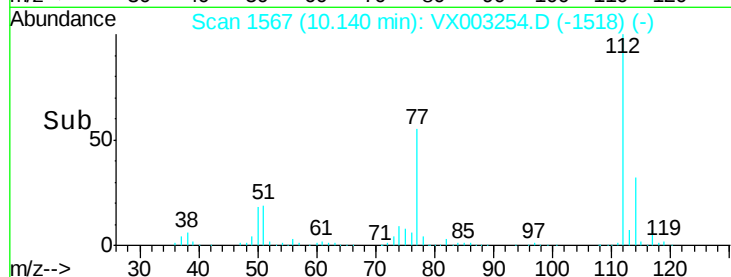
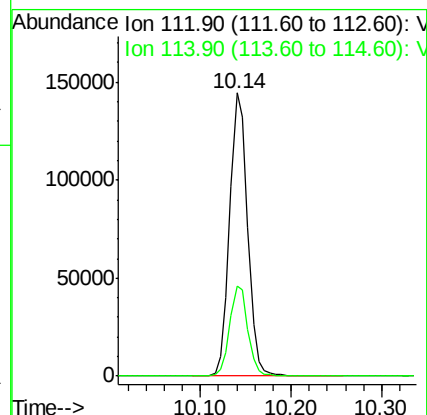
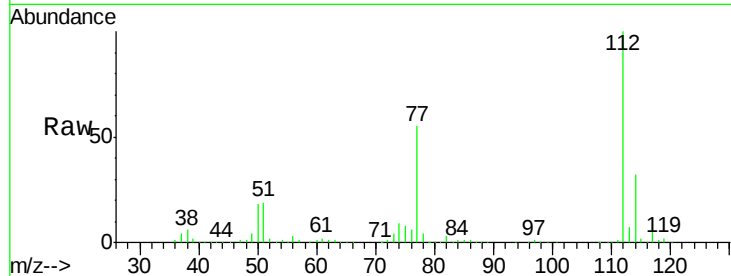




#65
Chlorobenzene
Concen: 19.19 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

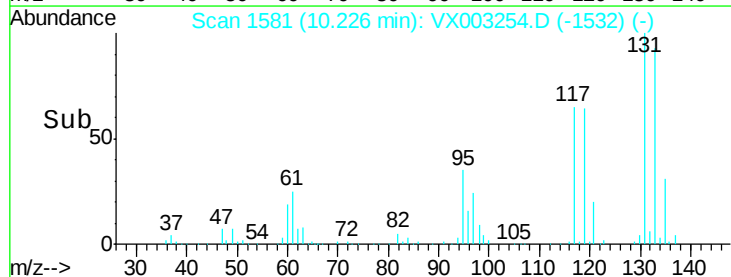
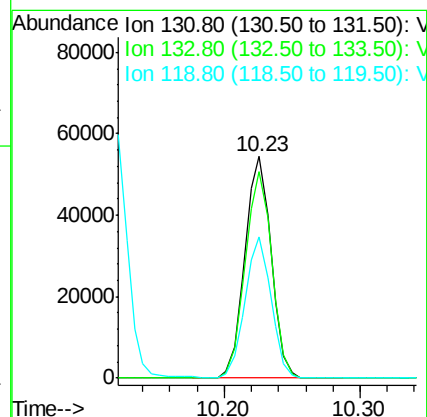
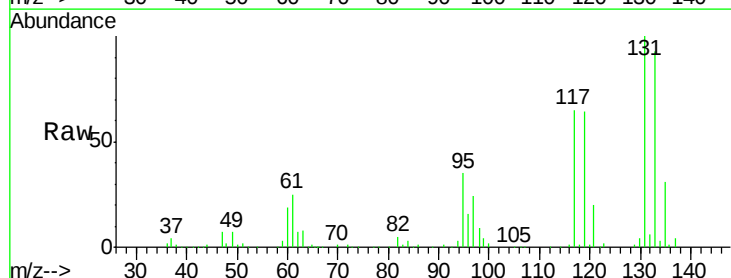
Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

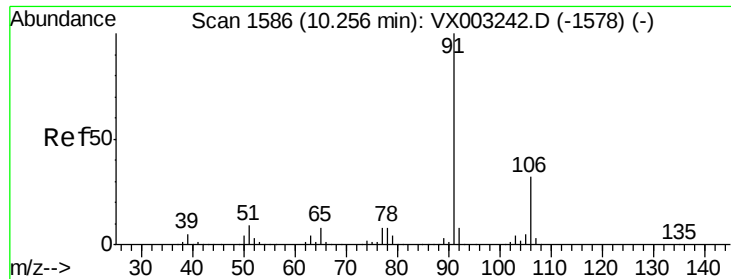
Tot Ion:112 Resp: 199048
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.68 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion:131 Resp: 73660
Ion Ratio Lower Upper
131 100
133 94.2 47.9 143.6
119 63.2 31.8 95.3

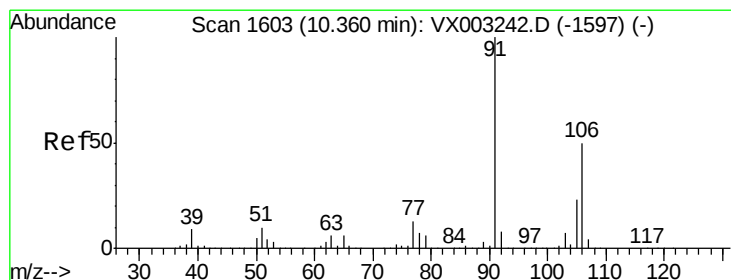
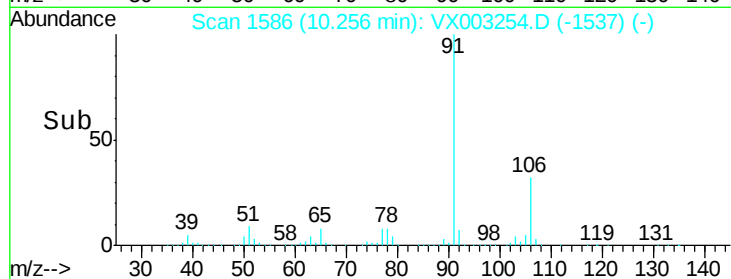
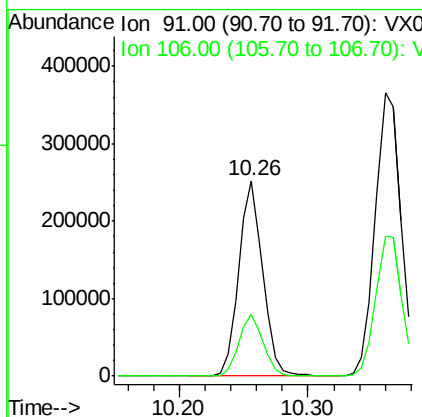
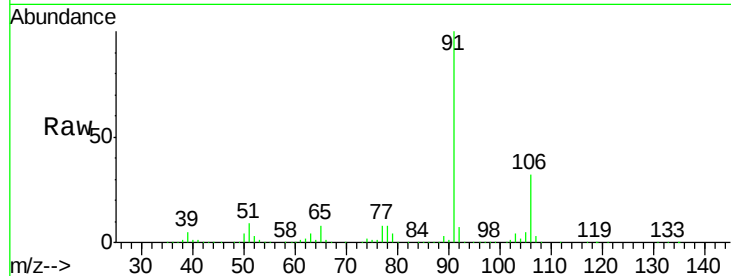




#67
Ethyl Benzene
Concen: 19.35 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

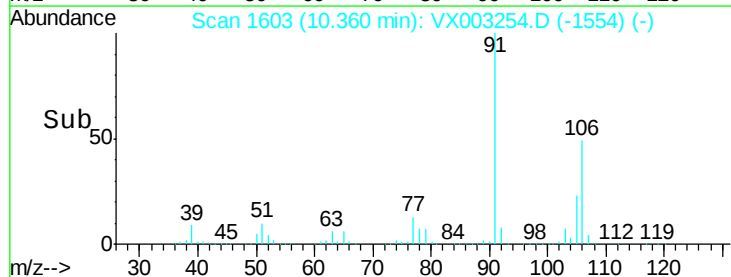
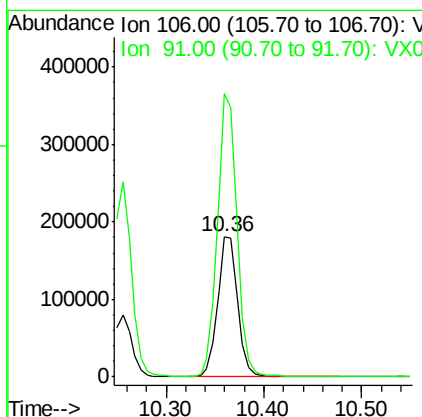
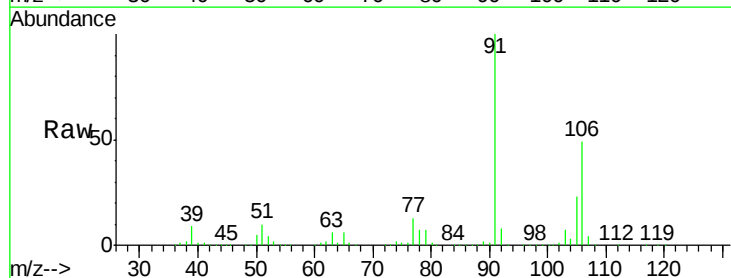
Instrument :
MSVOA_X
ClientSampled :
VX0709WBS01

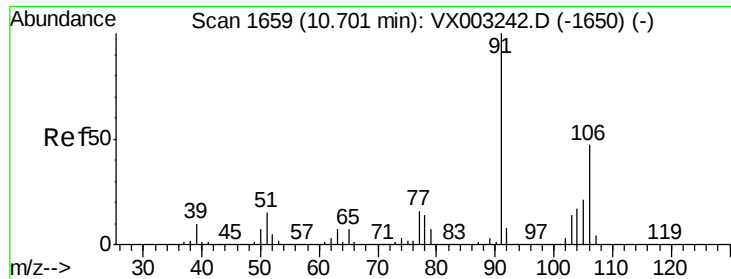
Tot Ion: 91 Resp: 324509
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3



#68
m/p-Xylenes
Concen: 39.00 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion: 106 Resp: 254483
Ion Ratio Lower Upper
106 100
91 199.8 163.4 245.2

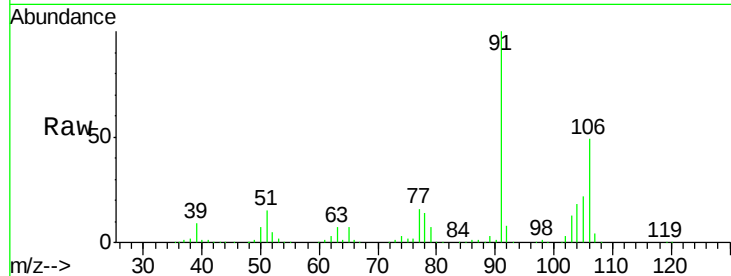




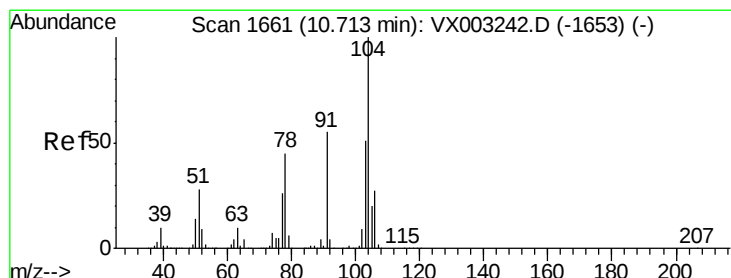
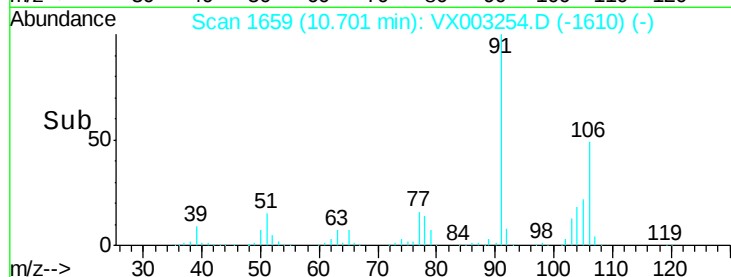
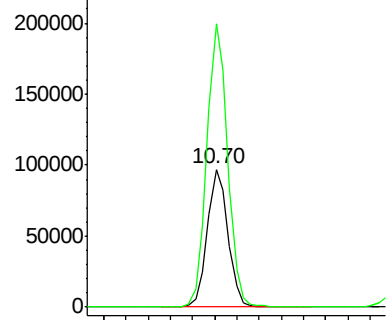
#69
o-Xylene
Concen: 19.72 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Instrument :
MSVOA_X
ClientSampled :
VX0709WBS01

Tot Ion:106 Resp: 124688
Ion Ratio Lower Upper
106 100
91 206.7 108.2 324.6

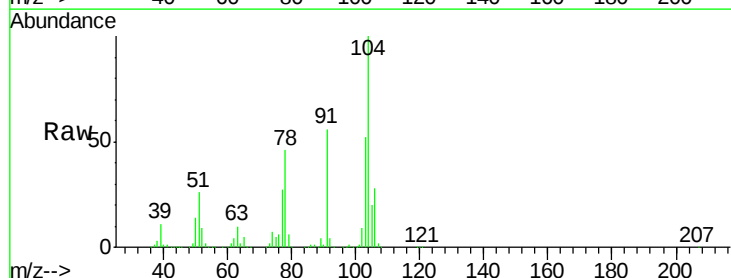


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

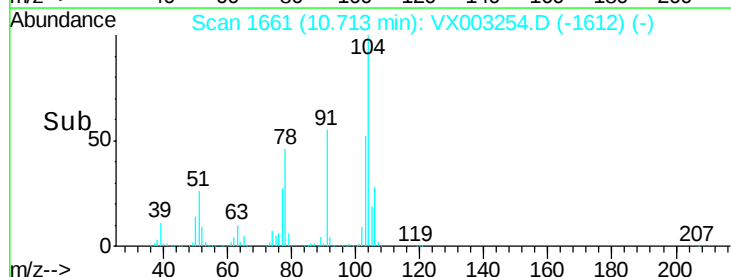
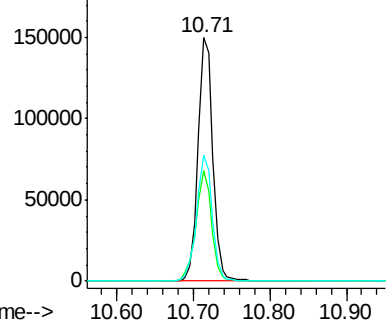


#70
Styrene
Concen: 19.63 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion:104 Resp: 201189
Ion Ratio Lower Upper
104 100
78 48.0 41.0 61.6
103 55.0 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: 18.47 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

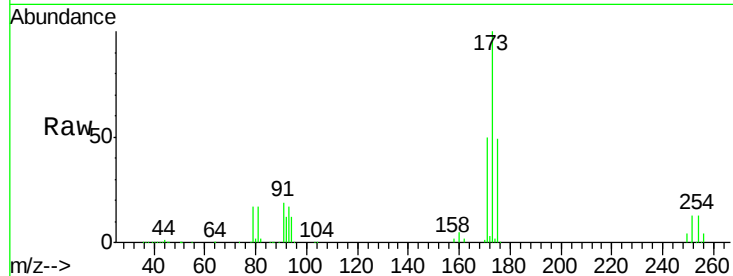
Tot Ion:173 Resp: 56873

Ion Ratio Lower Upper

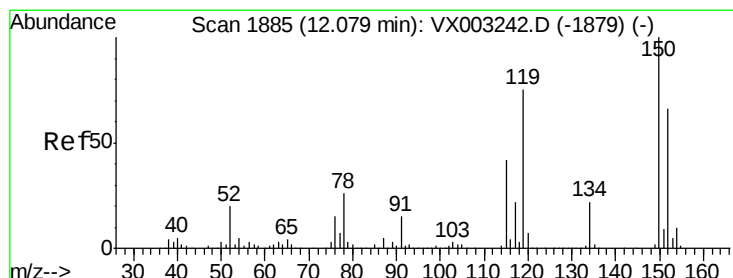
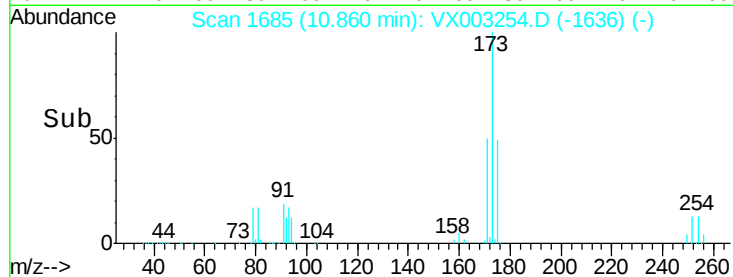
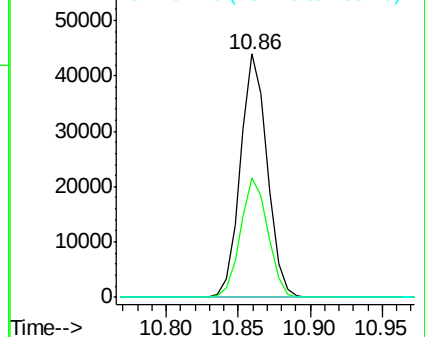
173 100

175 49.7 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: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

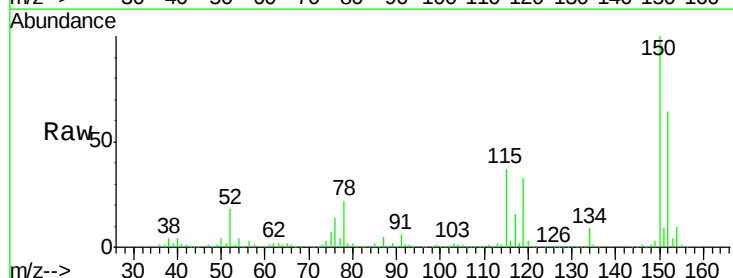
Tgt Ion:152 Resp: 211703

Ion Ratio Lower Upper

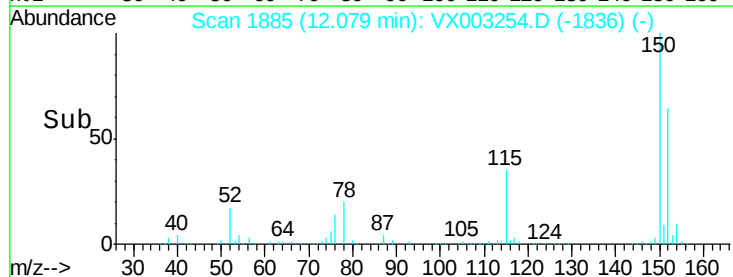
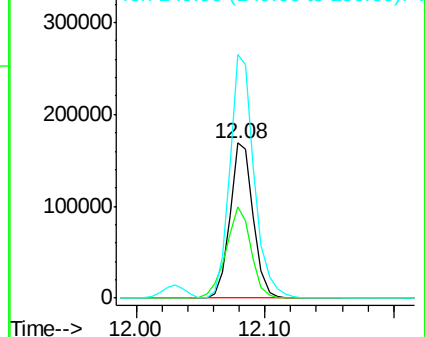
152 100

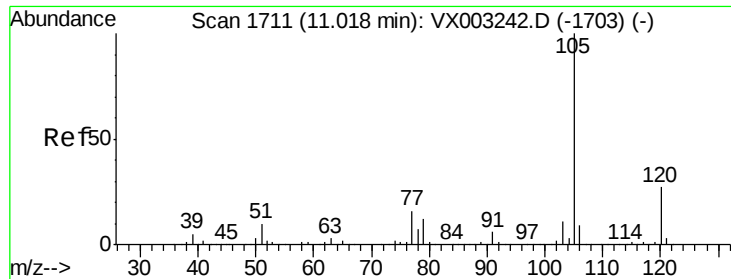
115 64.2 40.1 120.2

150 164.9 0.0 347.2



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





#73

Isopropylbenzene

Concen: 20.00 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampled :

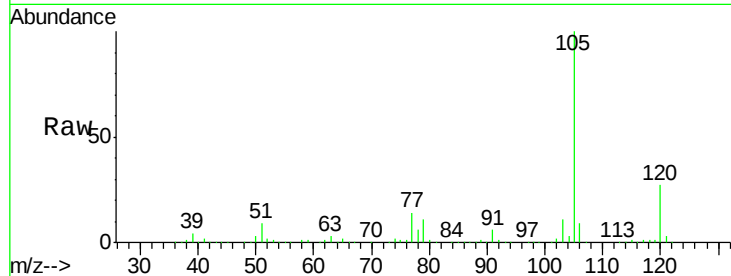
VX0709WBS01

Tot Ion:105 Resp: 334292

Ion Ratio Lower Upper

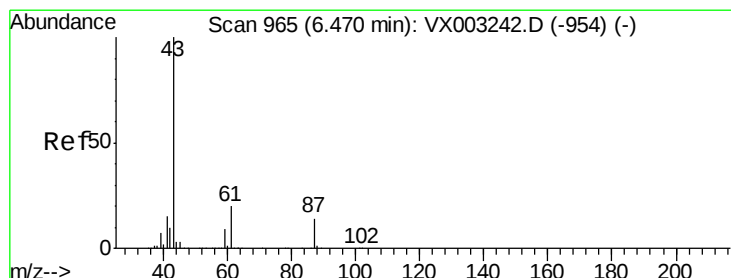
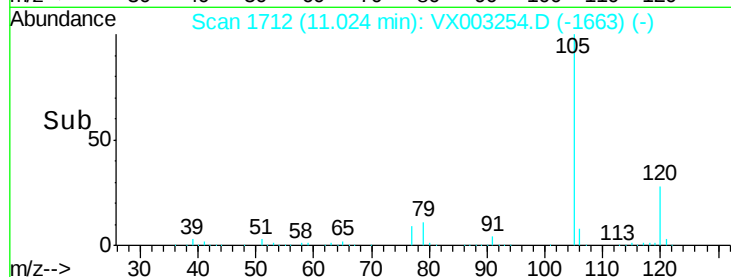
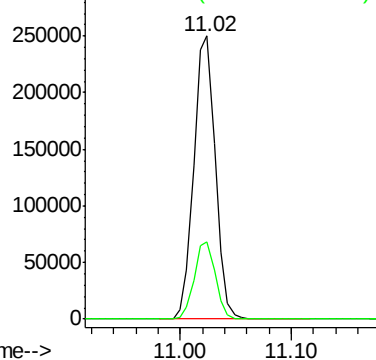
105 100

120 27.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.44 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Tgt Ion: 43 Resp: 155019

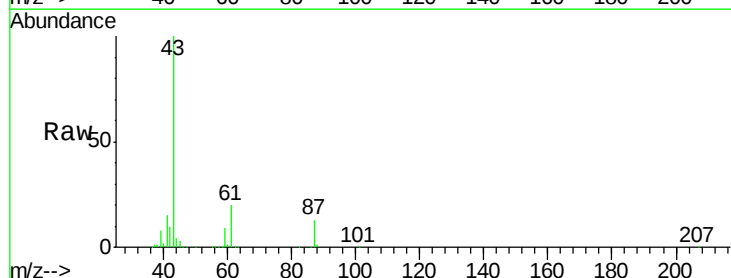
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 20.0 14.4 21.6

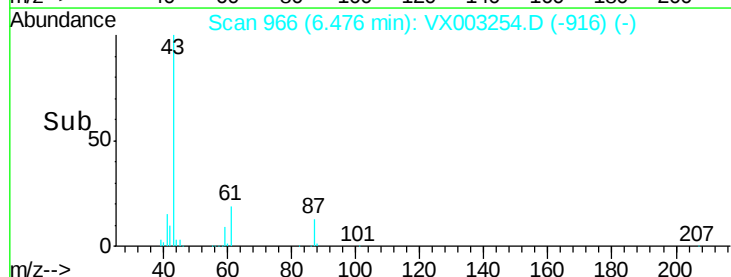
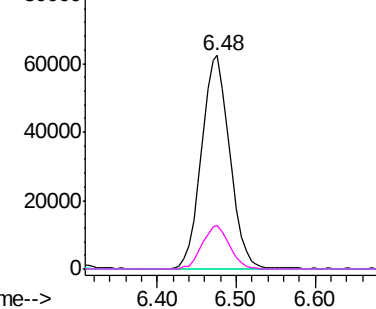


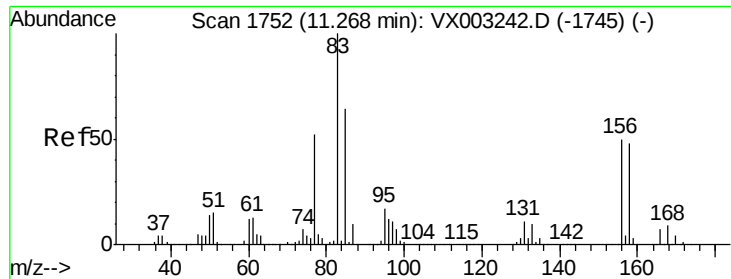
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.44 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampled :

VX0709WBS01

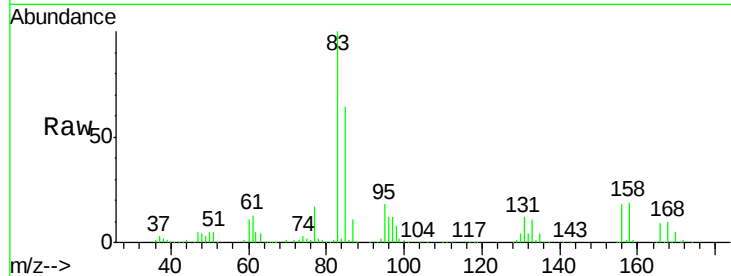
Tot Ion: 83 Resp: 100778

Ion Ratio Lower Upper

83 100

131 12.0 5.6 16.8

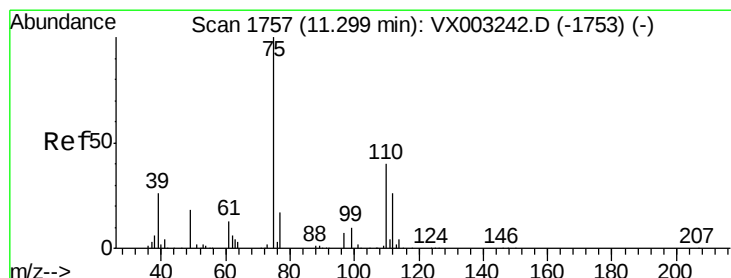
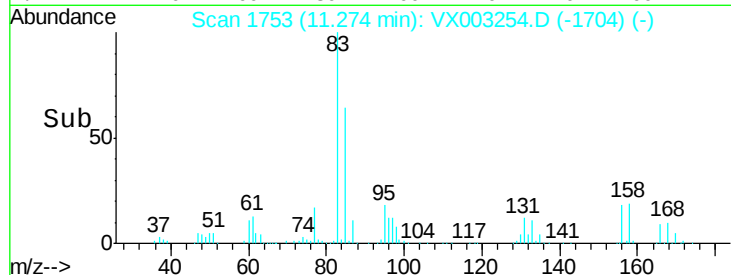
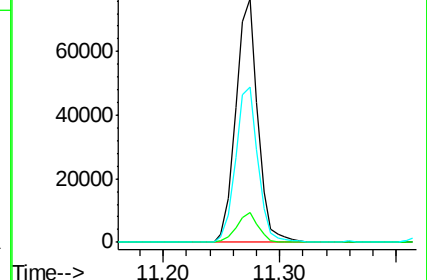
85 64.9 32.4 97.2



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: 24.71 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003254.D

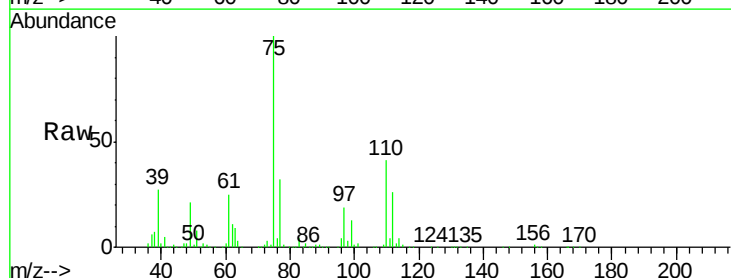
Acq: 09 Jul 2018 20:04

Tgt Ion: 75 Resp: 113069

Ion Ratio Lower Upper

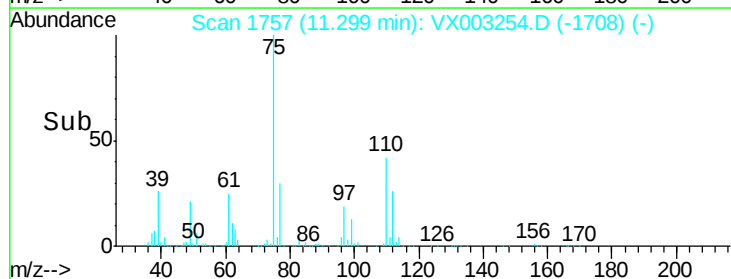
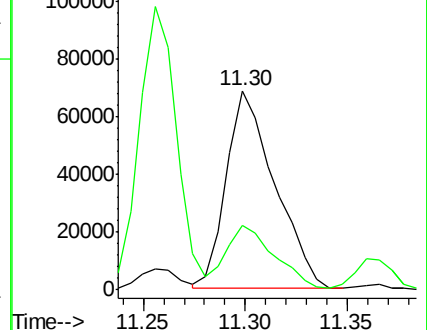
75 100

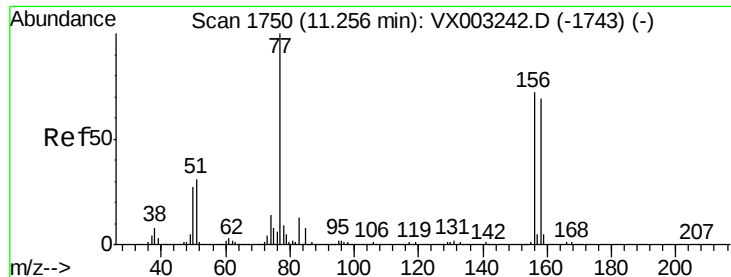
77 32.7 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.93 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampled :

VX0709WBS01

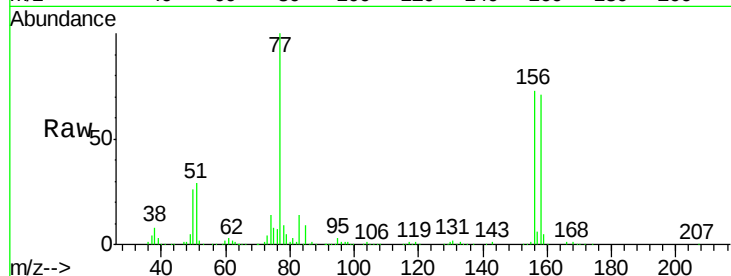
Tot Ion:156 Resp: 96170

Ion Ratio Lower Upper

156 100

77 129.8 71.4 214.2

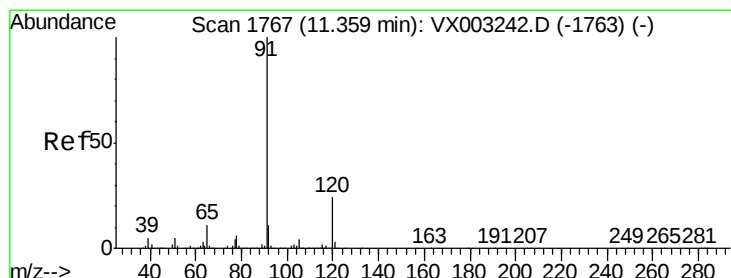
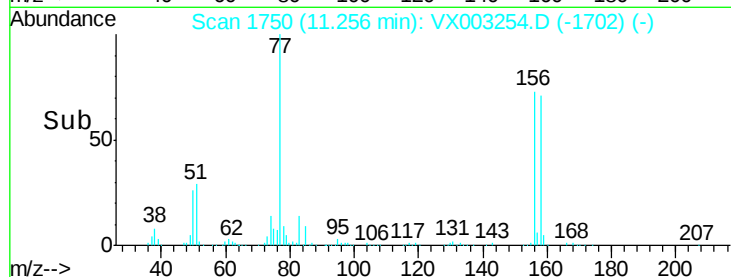
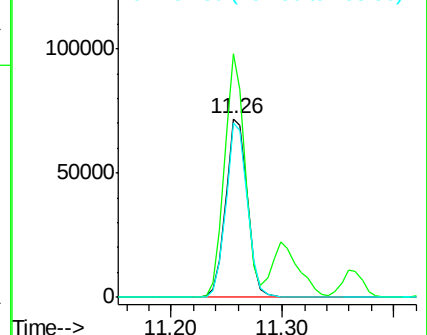
158 96.8 48.9 146.6



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: 19.94 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003254.D

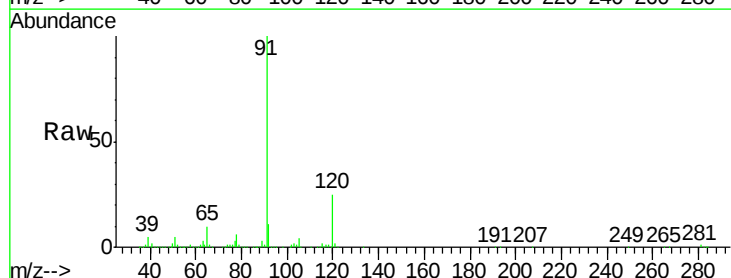
Acq: 09 Jul 2018 20:04

Tgt Ion: 91 Resp: 370473

Ion Ratio Lower Upper

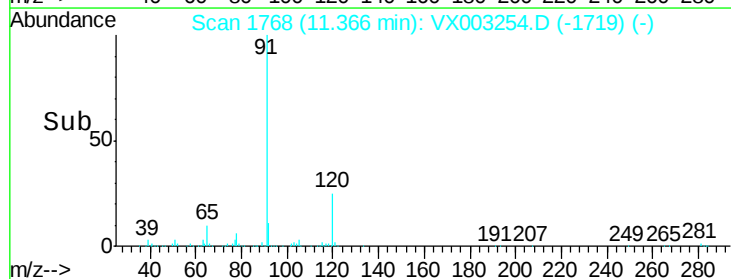
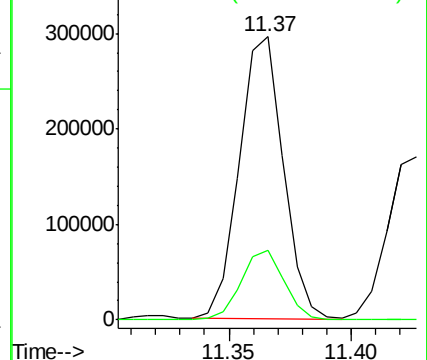
91 100

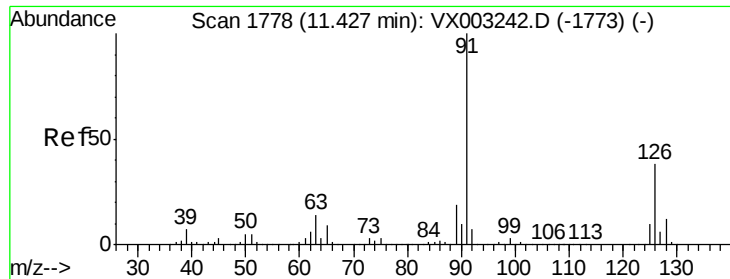
120 24.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

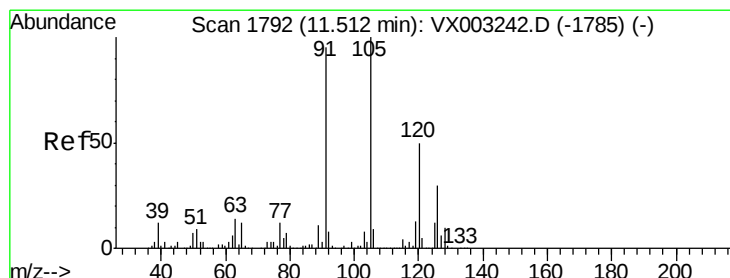
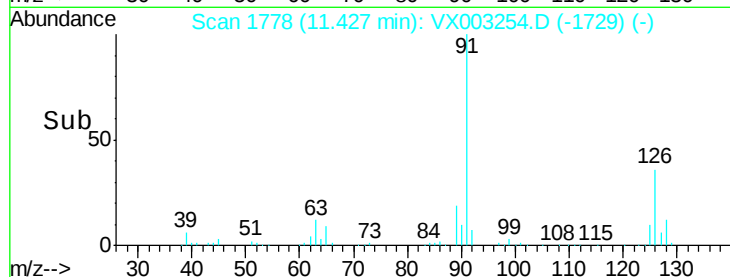
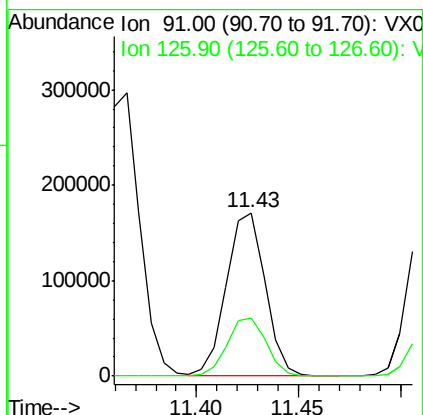
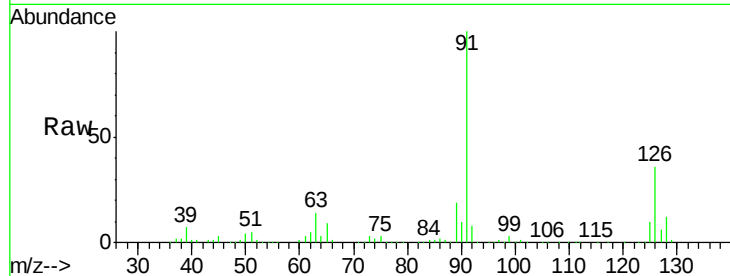




#79
 2-Chlorotoluene
 Concen: 19.74 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

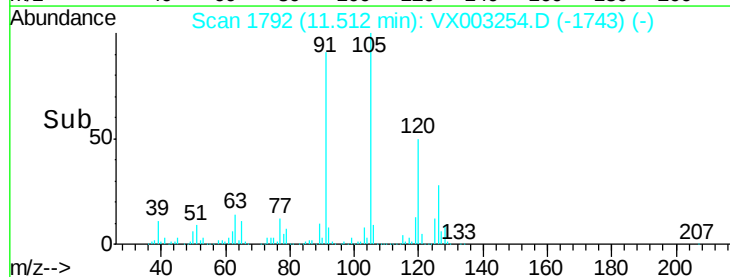
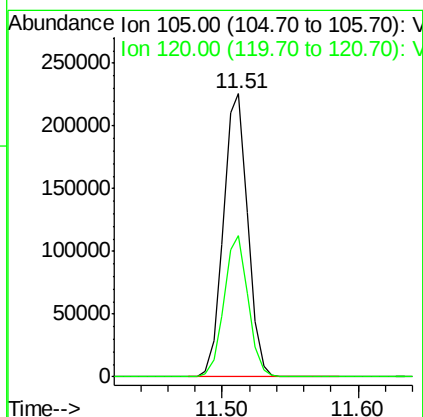
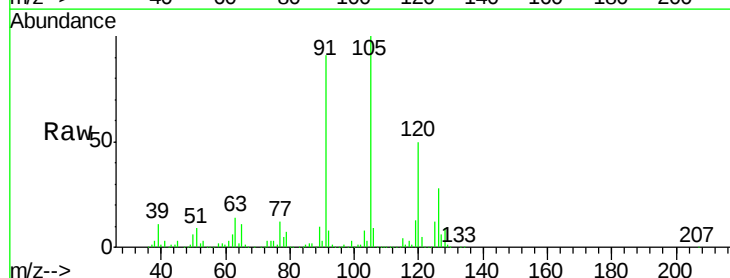
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

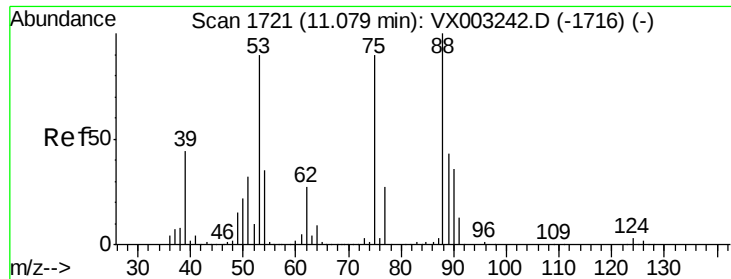
Tot Ion: 91 Resp: 223539
 Ion Ratio Lower Upper
 91 100
 126 36.3 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.06 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Tgt Ion: 105 Resp: 279262
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.4 73.4

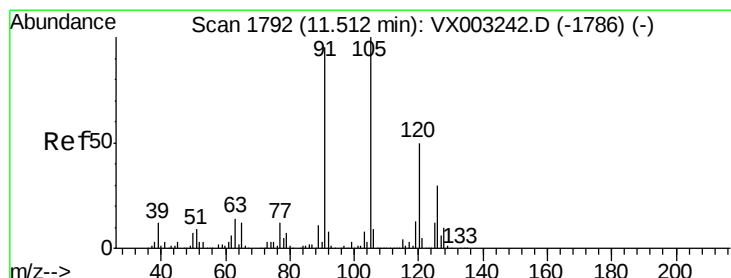
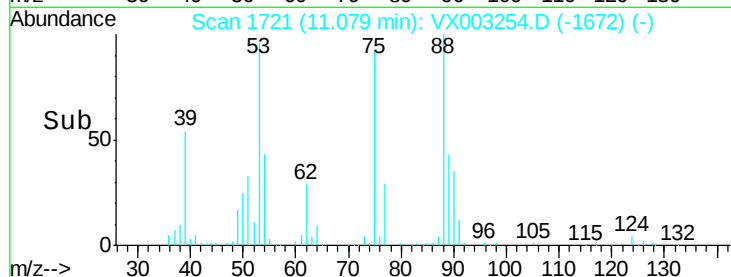
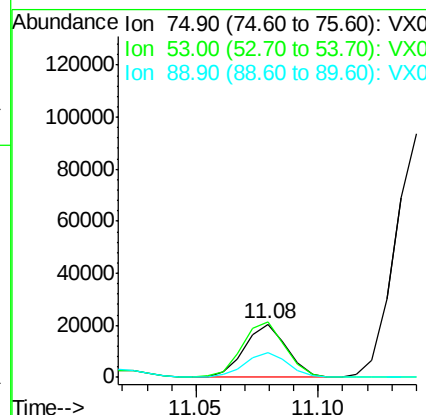
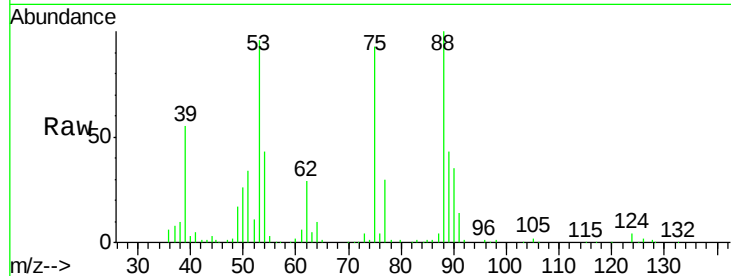




#81
trans-1,4-Dichloro-2-butene
Concen: 17.42 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

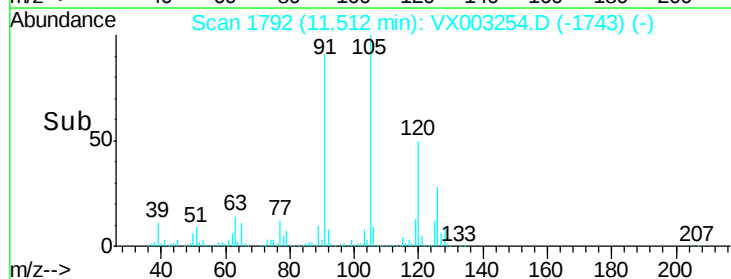
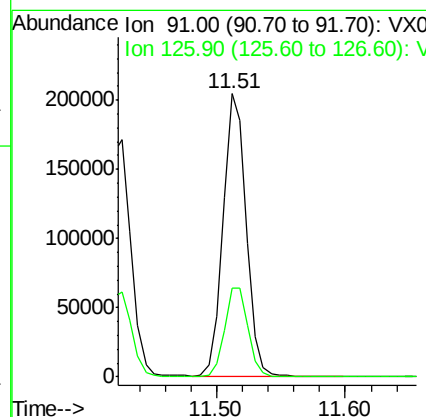
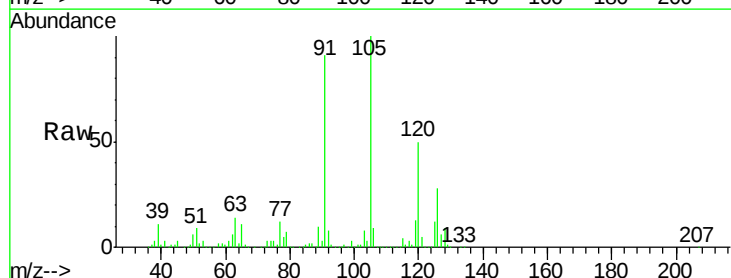
Instrument :
MSVOA_X
ClientSampleId :
VX0709WBS01

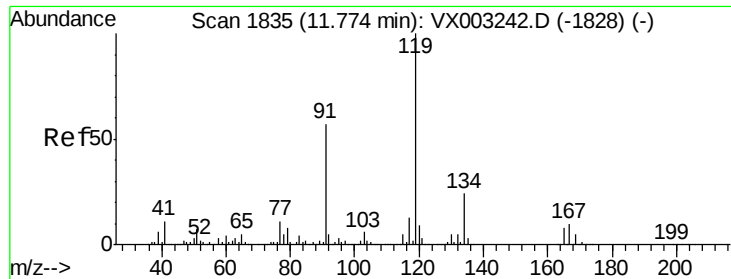
Tot Ion: 75 Resp: 24386
Ion Ratio Lower Upper
75 100
53 107.8 86.8 130.2
89 47.7 38.2 57.2



#82
4-Chlorotoluene
Concen: 19.66 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003254.D
Acq: 09 Jul 2018 20:04

Tgt Ion: 91 Resp: 259953
Ion Ratio Lower Upper
91 100
126 32.1 15.4 46.4

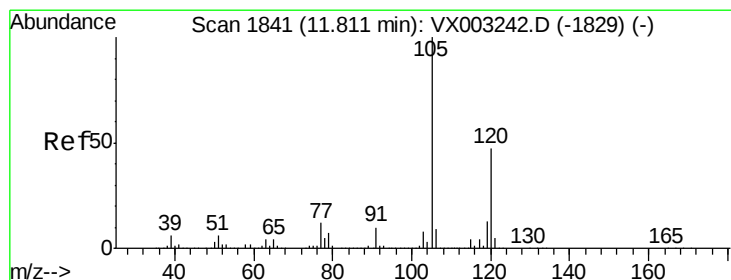
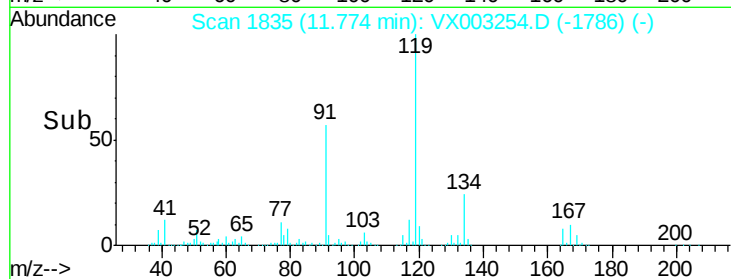
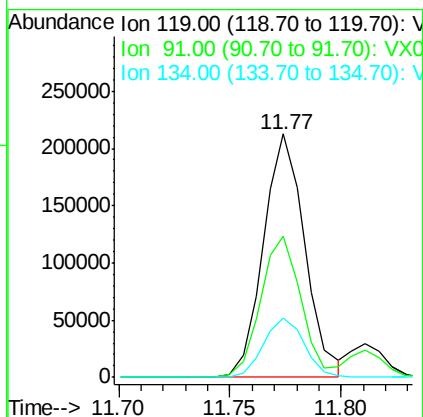
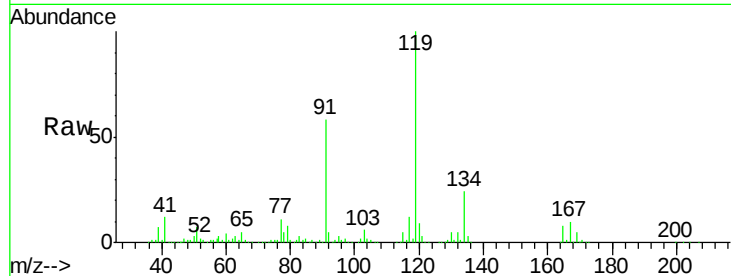




#83
 tert-Butylbenzene
 Concen: 19.72 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

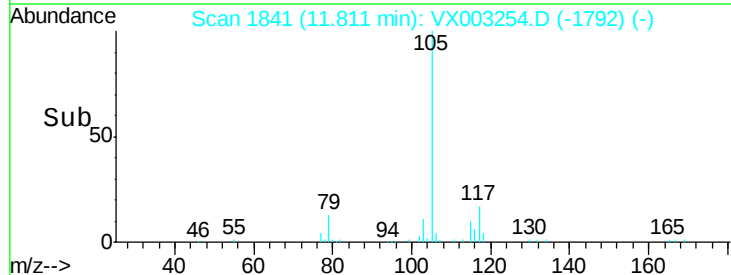
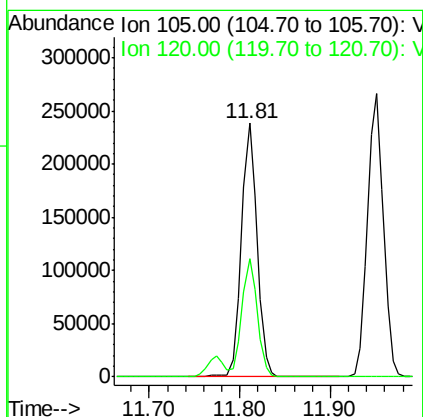
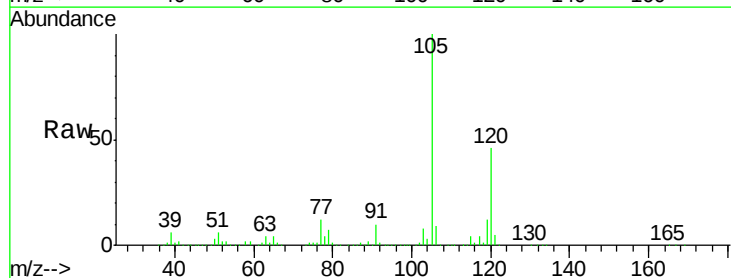
Instrument :
 MSVOA_X
 ClientSampled :
 VX0709WBS01

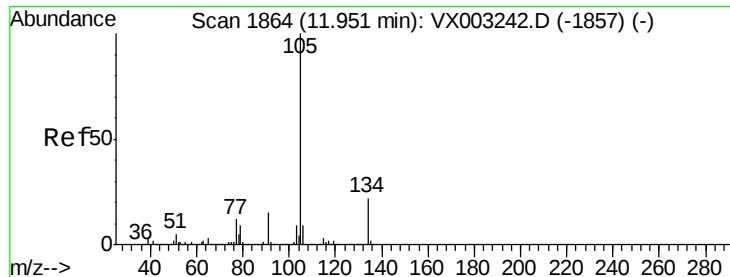
Tot Ion:119 Resp: 274177
 Ion Ratio Lower Upper
 119 100
 91 57.2 30.3 90.9
 134 24.1 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.06 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003254.D
 Acq: 09 Jul 2018 20:04

Tgt Ion:105 Resp: 285960
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.3 66.8





#85

sec-Butylbenzene

Concen: 19.81 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

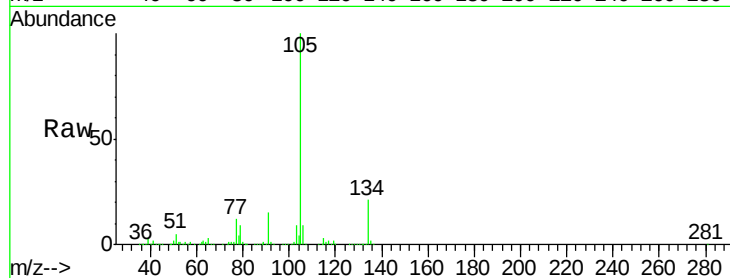
VX0709WBS01

Tot Ion:105 Resp: 325566

Ion Ratio Lower Upper

105 100

134 21.2 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

250000

200000

150000

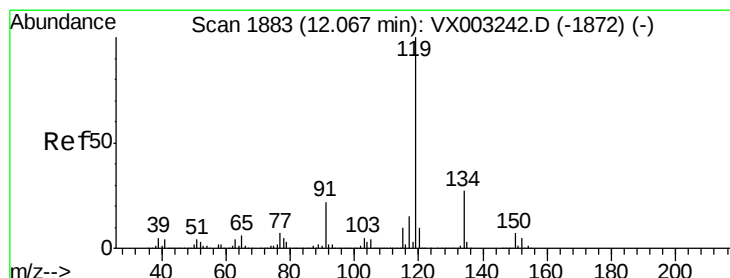
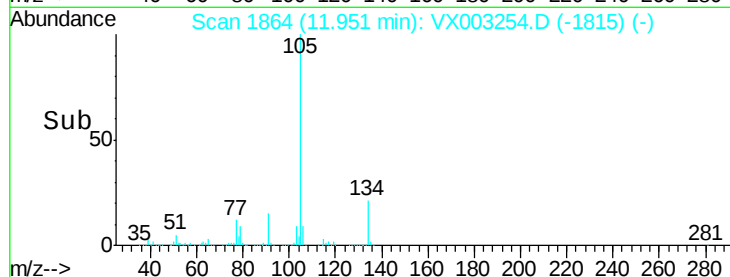
100000

50000

0

Time-->

11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 19.73 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

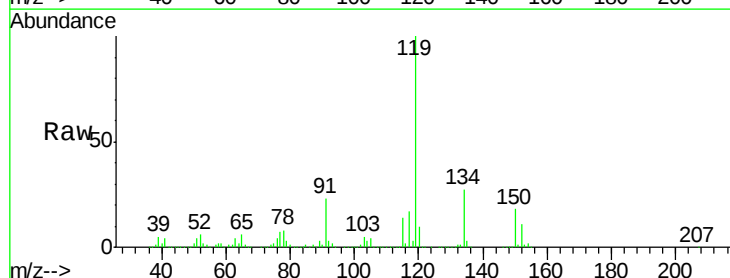
Tgt Ion:119 Resp: 295448

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 22.6 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

300000

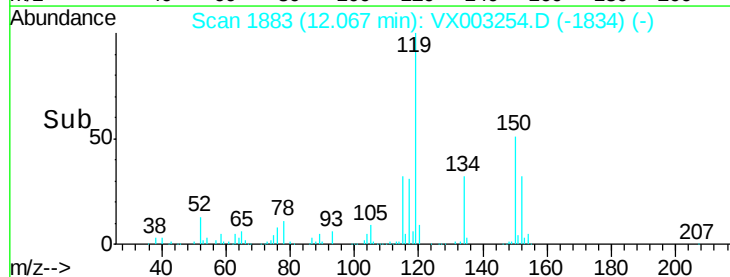
200000

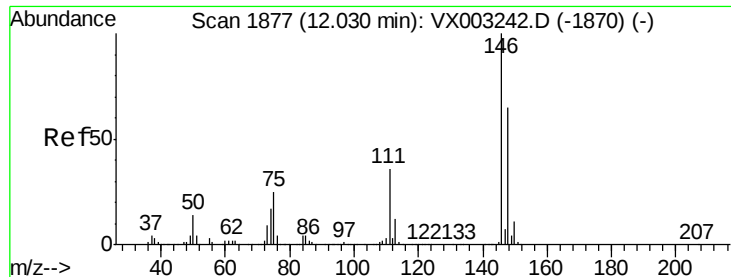
100000

0

Time-->

12.00 12.10





#87

1,3-Dichlorobenzene

Concen: 19.31 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

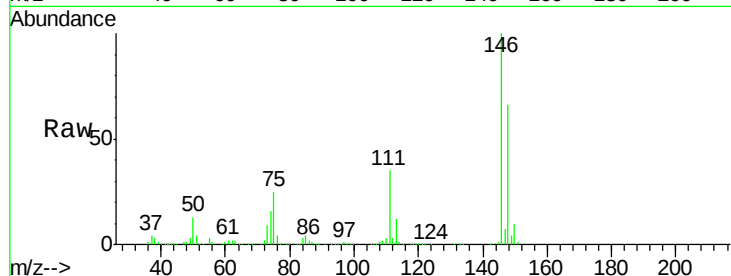
Tot Ion:146 Resp: 170914

Ion Ratio Lower Upper

146 100

111 36.0 18.9 56.7

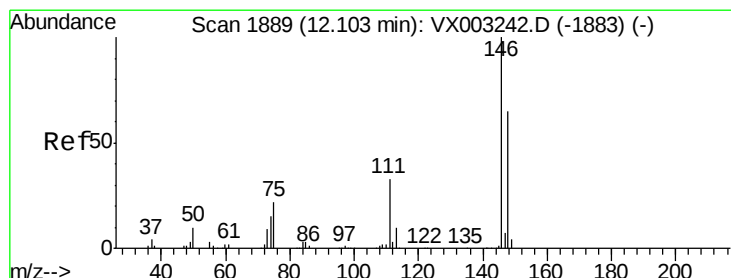
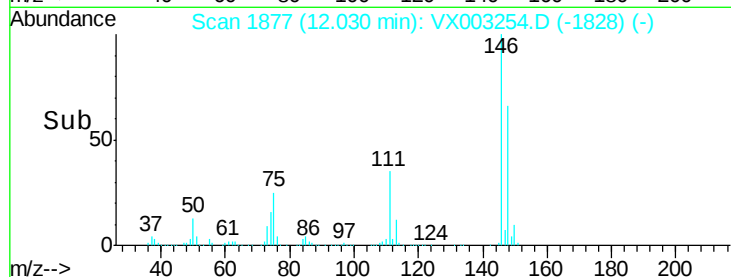
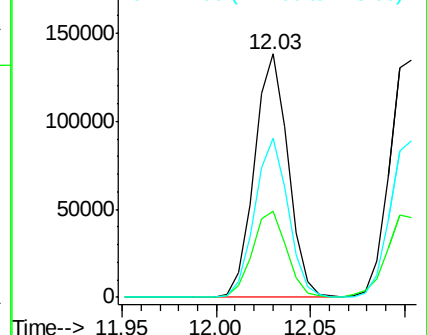
148 65.1 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.37 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

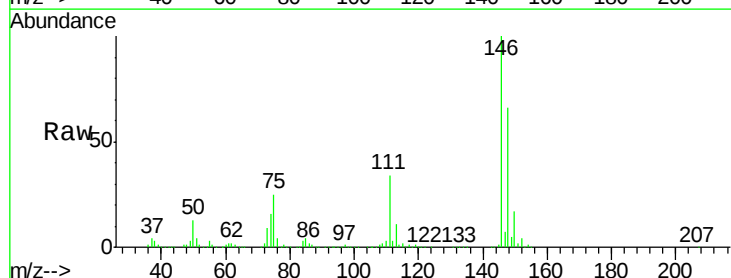
Tgt Ion:146 Resp: 173588

Ion Ratio Lower Upper

146 100

111 36.0 18.7 56.1

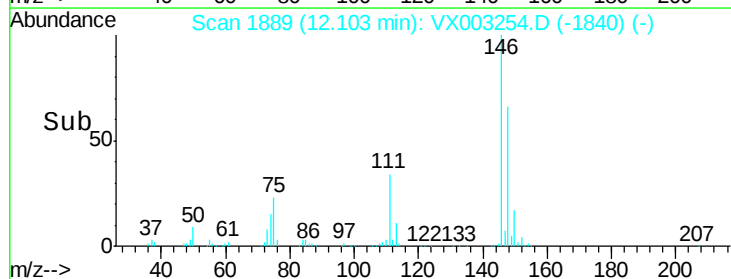
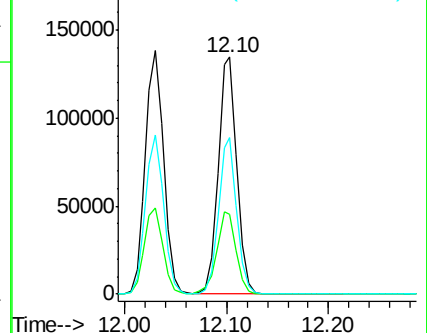
148 64.6 32.4 97.0

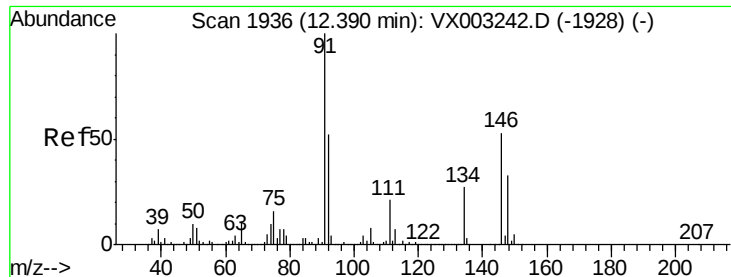


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.85 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampled :

VX0709WBS01

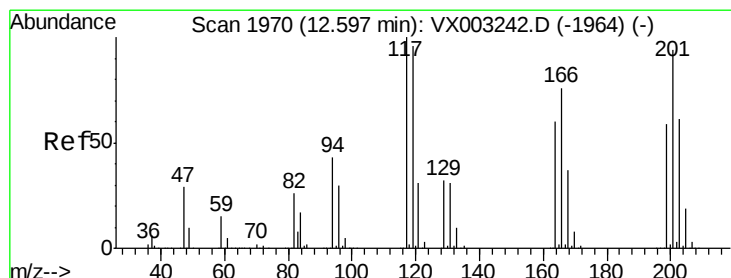
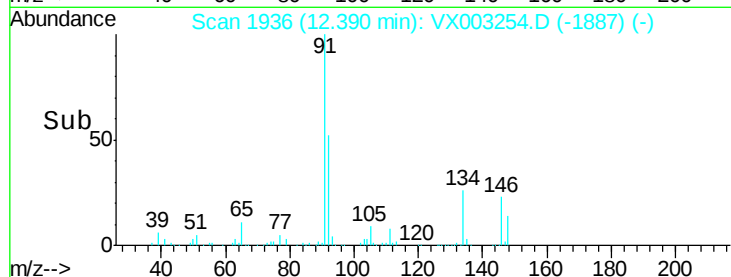
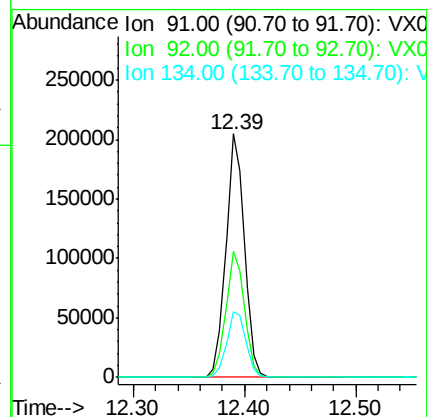
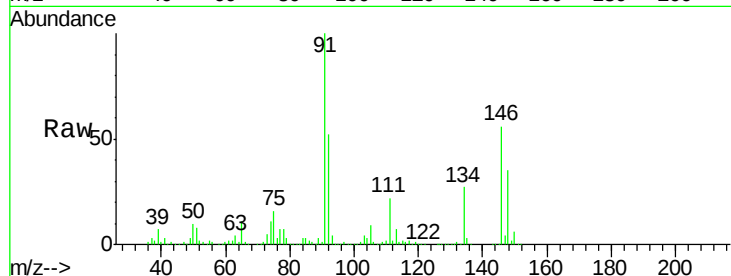
Tot Ion: 91 Resp: 235832

Ion Ratio Lower Upper

91 100

92 51.7 26.0 78.0

134 27.9 13.5 40.5



#90

Hexachloroethane

Concen: 18.06 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003254.D

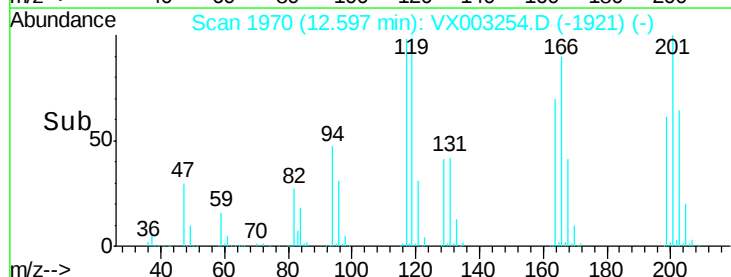
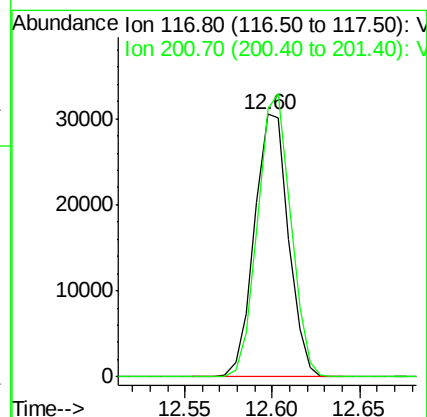
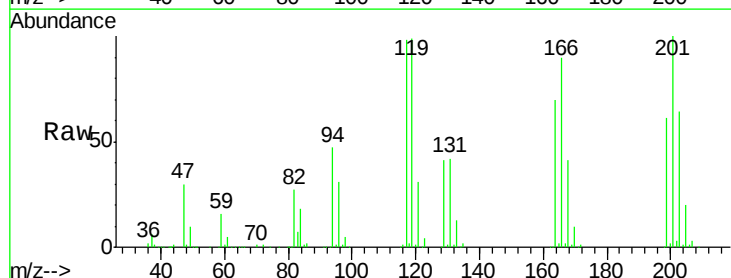
Acq: 09 Jul 2018 20:04

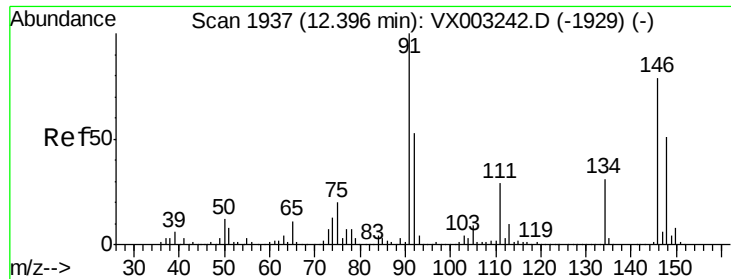
Tgt Ion: 117 Resp: 41291

Ion Ratio Lower Upper

117 100

201 104.6 49.0 147.0





#91

1,2-Dichlorobenzene

Concen: 19.52 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

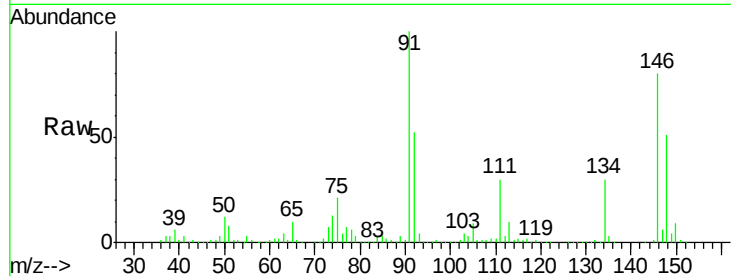
Tot Ion:146 Resp: 173482

Ion Ratio Lower Upper

146 100

111 37.5 19.4 58.1

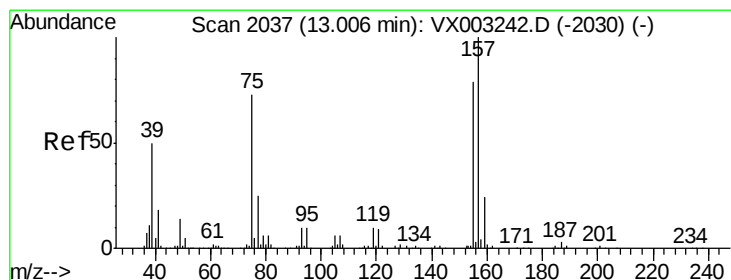
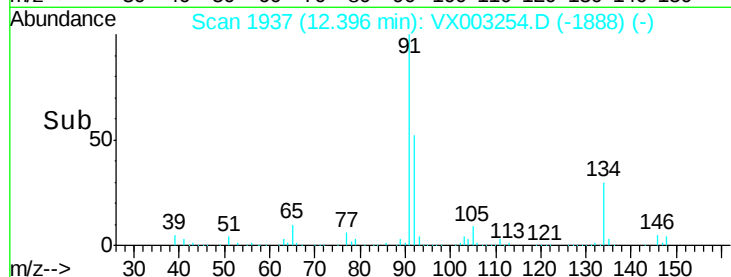
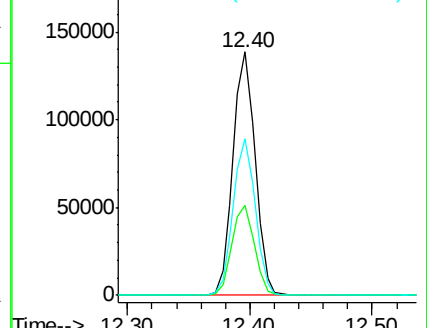
148 64.2 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.06 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

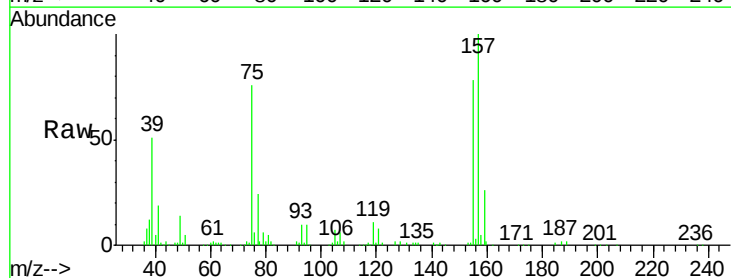
Tgt Ion: 75 Resp: 21206

Ion Ratio Lower Upper

75 100

155 102.8 45.8 137.4

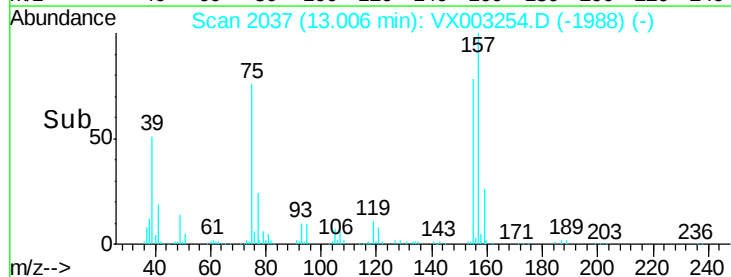
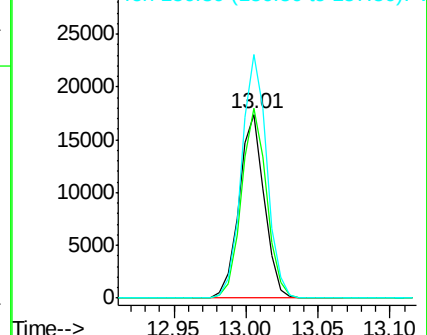
157 131.7 60.1 180.3

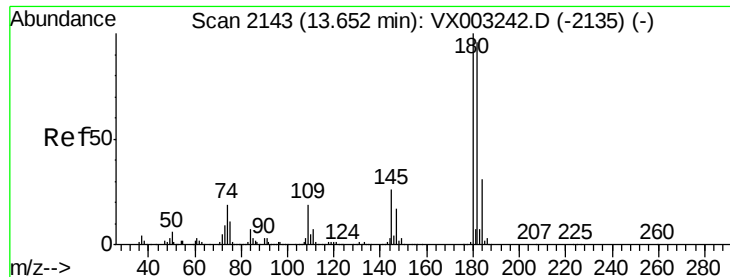


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 19.28 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampled :

VX0709WBS01

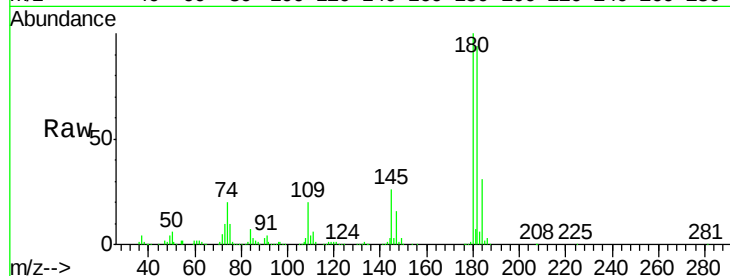
Tot Ion:180 Resp: 124716

Ion Ratio Lower Upper

180 100

182 94.2 47.7 143.1

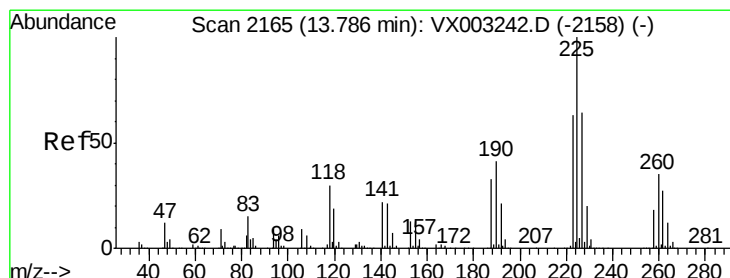
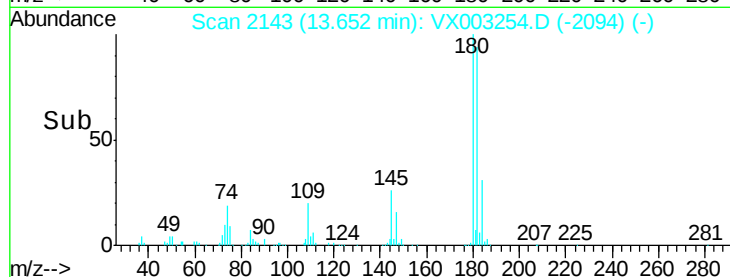
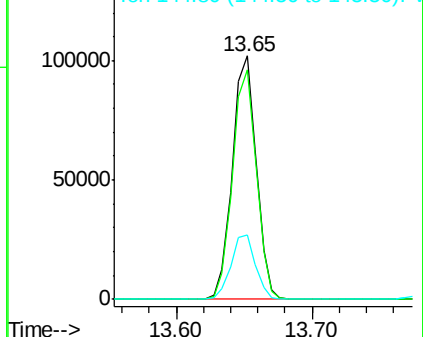
145 27.2 14.1 42.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 18.88 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

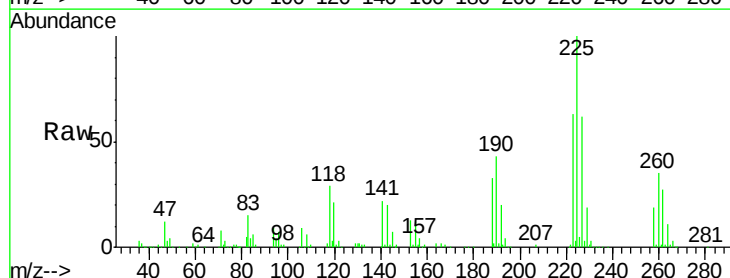
Tgt Ion:225 Resp: 60800

Ion Ratio Lower Upper

225 100

223 63.0 31.6 95.0

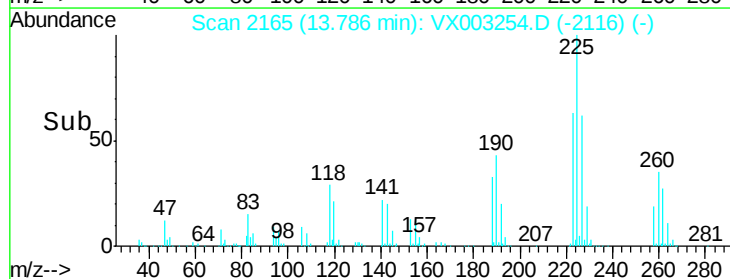
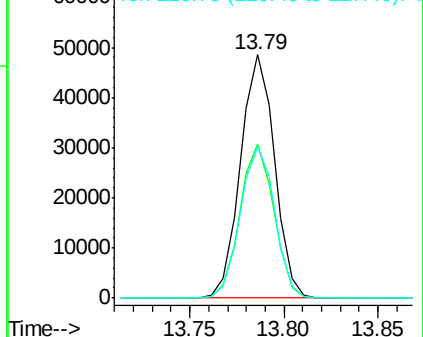
227 62.8 32.4 97.2

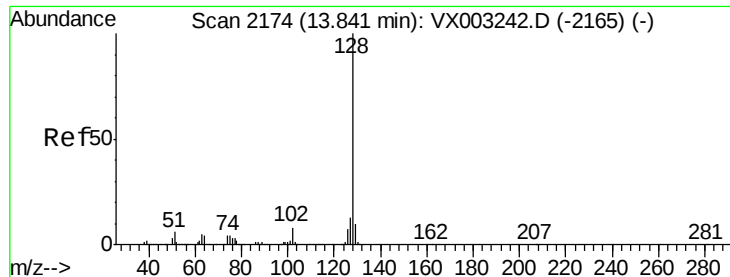


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.33 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

Instrument :

MSVOA_X

ClientSampleId :

VX0709WBS01

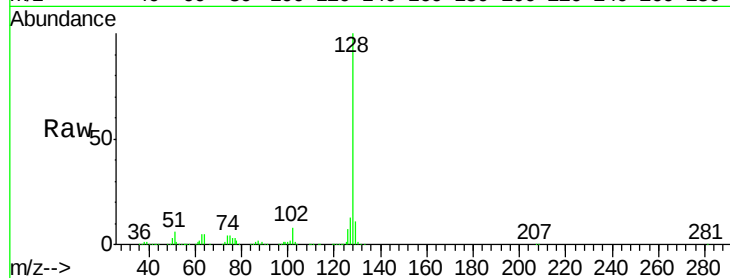
Tot Ion:128 Resp: 344144

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

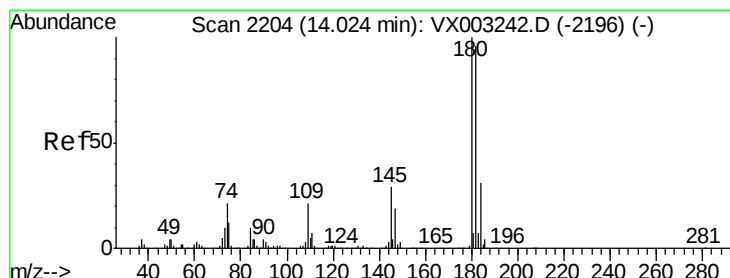
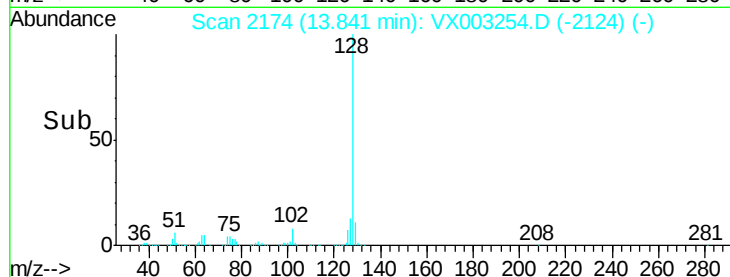
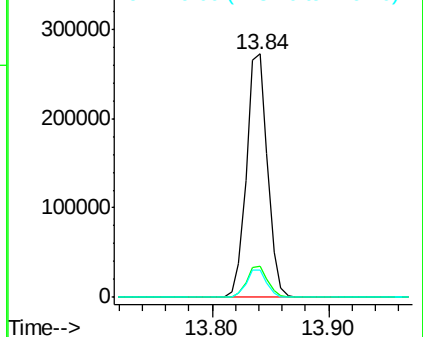
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.92 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003254.D

Acq: 09 Jul 2018 20:04

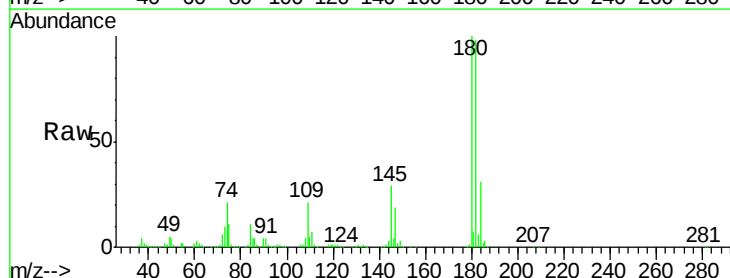
Tgt Ion:180 Resp: 128543

Ion Ratio Lower Upper

180 100

182 95.1 48.0 144.0

145 28.6 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

