

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101018\
 Data File : VX005212.D
 Acq On : 10 Oct 2018 17:47
 Operator : JC/MD
 Sample : VX1010WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS02

Quant Time: Oct 11 06:05:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	185778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	274464	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	269431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159842	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	128742	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
35) Dibromofluoromethane	5.50	113	111799	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
50) Toluene-d8	8.71	98	421172	54.46	ug/l	0.00
Spiked Amount			Recovery	=	108.92%	
62) 4-Bromofluorobenzene	11.14	95	156275	56.09	ug/l	0.00
Spiked Amount			Recovery	=	112.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	62922	24.841	ug/l	98
3) Chloromethane	1.32	50	72280	23.520	ug/l	99
4) Vinyl Chloride	1.40	62	69871	24.241	ug/l	98
5) Bromomethane	1.64	94	39970	23.385	ug/l	96
6) Chloroethane	1.71	64	42690	26.063	ug/l	96
7) Trichlorofluoromethane	1.92	101	91167	25.549	ug/l	96
8) Diethyl Ether	2.19	74	34948	22.545	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	48989	24.102	ug/l	98
10) Methyl Iodide	2.51	142	53274	19.586	ug/l	92
11) Tert butyl alcohol	3.08	59	93673	126.237	ug/l	99
12) 1,1-Dichloroethene	2.37	96	47724	23.708	ug/l	95
13) Acrolein	2.29	56	46911	88.854	ug/l	94
14) Allyl chloride	2.72	41	107984	24.586	ug/l	95
15) Acrylonitrile	3.15	53	200856	122.960	ug/l	97
16) Acetone	2.45	43	205475	132.619	ug/l	95
17) Carbon Disulfide	2.56	76	136255	22.526	ug/l	100
18) Methyl Acetate	2.78	43	104965	26.739	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	173049	24.923	ug/l	96
20) Methylene Chloride	2.85	84	55737	24.311	ug/l	# 87
21) trans-1,2-Dichloroethene	3.16	96	51091	23.186	ug/l	85
22) Diisopropyl ether	3.87	45	172846	23.370	ug/l	96
23) Vinyl Acetate	3.82	43	771653	113.982	ug/l	98
24) 1,1-Dichloroethane	3.70	63	103866	23.543	ug/l	99
25) 2-Butanone	4.71	43	269221	117.882	ug/l	99
26) 2,2-Dichloropropane	4.59	77	74978	24.406	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	53613	21.779	ug/l	94
28) Bromochloromethane	5.01	49	40175	19.338	ug/l	100
29) Tetrahydrofuran	5.16	42	170564	120.160	ug/l	97
30) Chloroform	5.21	83	92856	22.270	ug/l	99
31) Cyclohexane	5.57	56	79245	23.469	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	79922	23.471	ug/l	95
36) 1,1-Dichloropropene	5.80	75	66652	21.001	ug/l	95
37) Ethyl Acetate	4.86	43	91641	21.753	ug/l	98
38) Carbon Tetrachloride	5.78	117	69607	20.865	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	75229	23.214	ug/l	88
40) Benzene	6.14	78	205074	20.640	ug/l	96
41) Methacrylonitrile	5.06	41	49181	21.051	ug/l	94
42) 1,2-Dichloroethane	6.20	62	75795	21.579	ug/l	96
43) Isopropyl Acetate	6.46	43	129242	21.255	ug/l	97
44) Trichloroethene	7.21	130	54772	22.424	ug/l	97
45) 1,2-Dichloropropane	7.52	63	54810	22.495	ug/l	97
46) Dibromomethane	7.66	93	35546	23.213	ug/l	99
47) Bromodichloromethane	7.90	83	67395	23.507	ug/l	100
48) Methyl methacrylate	7.78	41	67556	24.478	ug/l	98
49) 1,4-Dioxane	7.76	88	33893	494.318	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	480028	125.381	ug/l	98
52) Toluene	8.79	92	128268	23.494	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	73043	22.545	ug/l	93
54) cis-1,3-Dichloropropene	8.44	75	81519	24.022	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	53703	22.456	ug/l	95
56) Ethyl methacrylate	9.18	69	77842	21.773	ug/l	99
57) 1,3-Dichloropropane	9.37	76	89903	22.588	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	202791	107.049	ug/l	100
59) 2-Hexanone	9.50	43	384256	120.441	ug/l	94
60) Dibromochloromethane	9.59	129	53959	22.561	ug/l	100
61) 1,2-Dibromoethane	9.67	107	56608	22.103	ug/l	97
64) Tetrachloroethene	9.34	164	55528	20.940	ug/l	96
65) Chlorobenzene	10.14	112	144816	20.961	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	52669	21.684	ug/l	98
67) Ethyl Benzene	10.26	91	237453	21.648	ug/l	97
68) m/p-Xylenes	10.36	106	189690	44.255	ug/l	96
69) o-Xylene	10.70	106	89237	22.666	ug/l	100
70) Styrene	10.71	104	150743	21.736	ug/l	100
71) Bromoform	10.86	173	44405	21.354	ug/l	98
73) Isopropylbenzene	11.02	105	243771	24.195	ug/l	99
74) N-amyl acetate	10.90	43	113211	21.477	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	89041	21.711	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	100925	28.171	ug/l	85
77) Bromobenzene	11.26	156	66461	22.711	ug/l	100
78) n-propylbenzene	11.36	91	280982	24.307	ug/l	100
79) 2-Chlorotoluene	11.42	91	170341	23.640	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	207510	22.363	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	24243	19.710	ug/l	98
82) 4-Chlorotoluene	11.51	91	199702	23.546	ug/l	99
83) tert-Butylbenzene	11.77	119	204102	24.605	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	215058	22.474	ug/l	99
85) sec-Butylbenzene	11.94	105	245751	24.323	ug/l	100
86) p-Isopropyltoluene	12.07	119	221988	24.250	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	123009	22.511	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	125063	22.171	ug/l	99
89) n-Butylbenzene	12.39	91	190357	22.897	ug/l	100
90) Hexachloroethane	12.60	117	34581	22.689	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	124583	21.816	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20516	22.783	ug/l	97

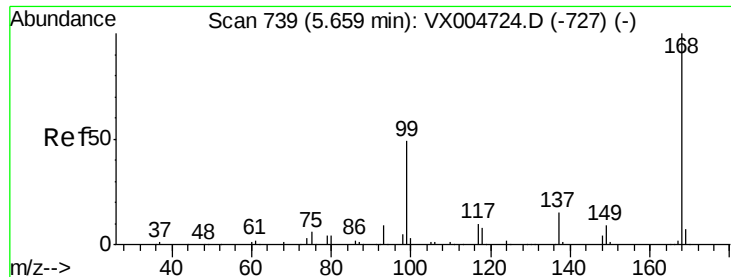
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101018\
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Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	89581	22.363	ug/l	99
94) Hexachlorobutadiene	13.79	225	47130	22.689	ug/l	99
95) Naphthalene	13.83	128	275612	21.151	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	93866	22.683	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

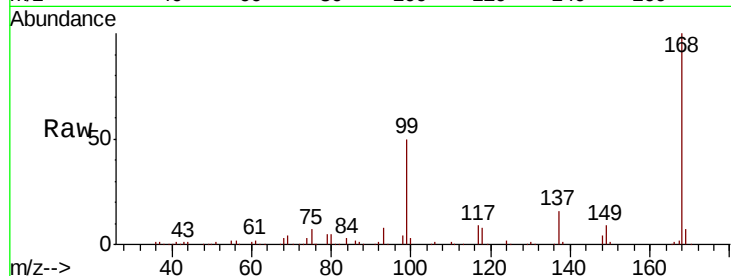
VX1010WBS02

Tot Ion:168 Resp: 185778

Ion Ratio Lower Upper

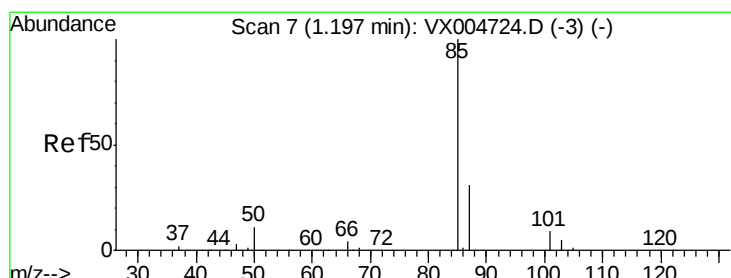
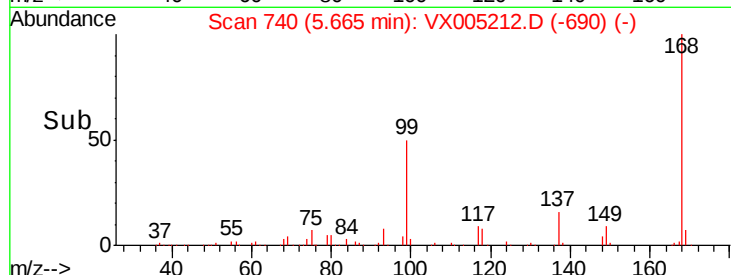
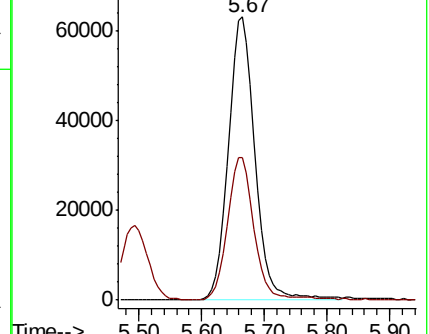
168 100

99 50.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 24.841 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005212.D

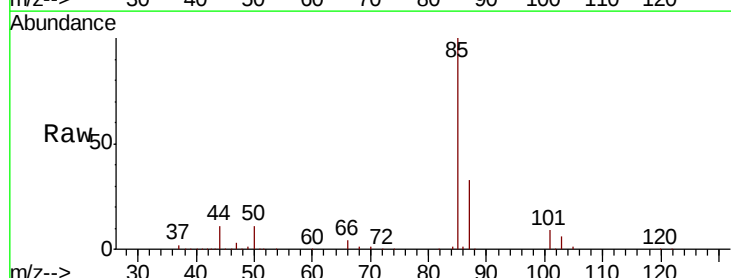
Acq: 10 Oct 2018 17:47

Tgt Ion: 85 Resp: 62922

Ion Ratio Lower Upper

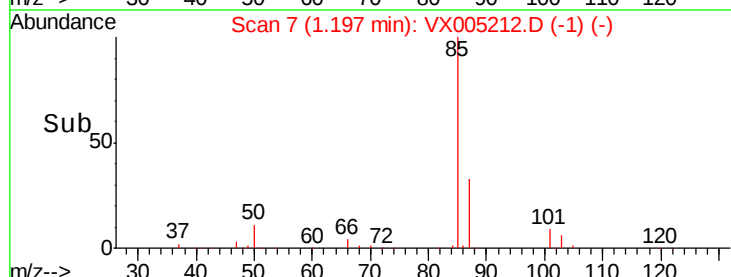
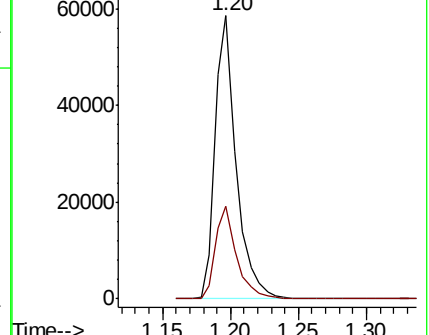
85 100

87 32.6 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 23.520 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

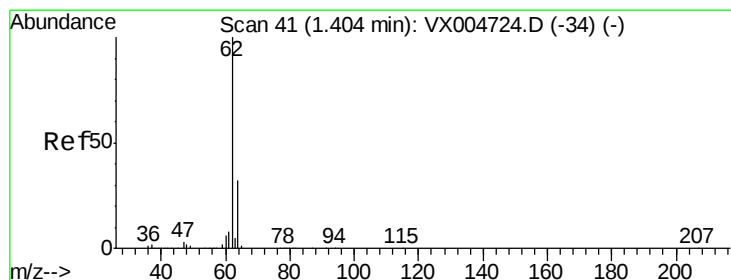
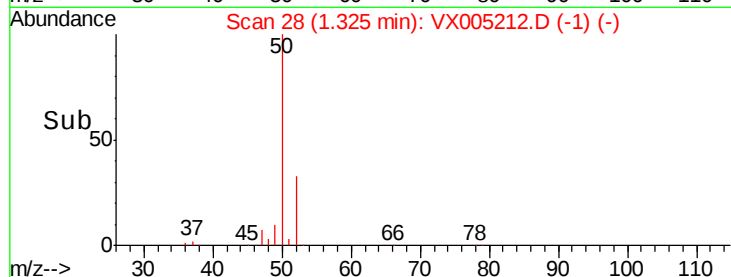
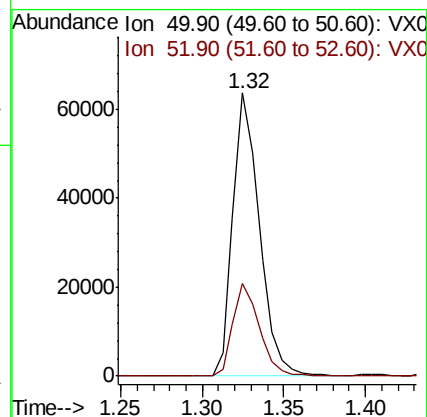
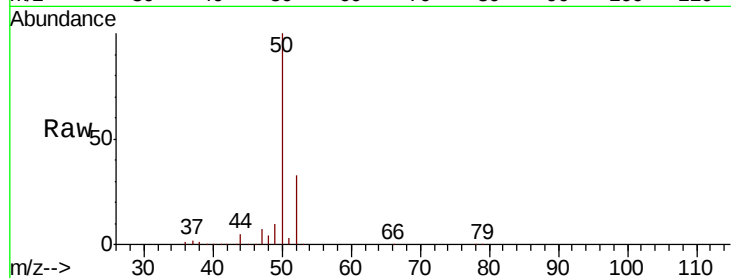
VX1010WBS02

Tot Ion: 50 Resp: 72280

Ion Ratio Lower Upper

50 100

52 32.8 25.8 38.6



#4

Vinyl Chloride

Concen: 24.241 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005212.D

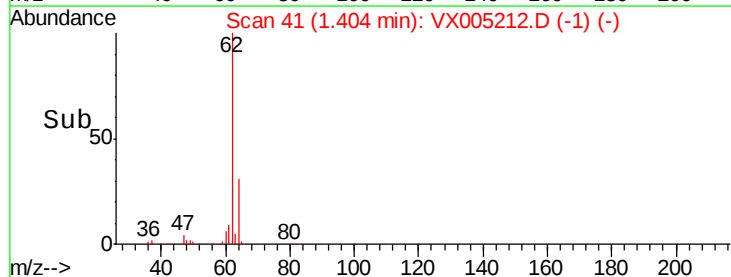
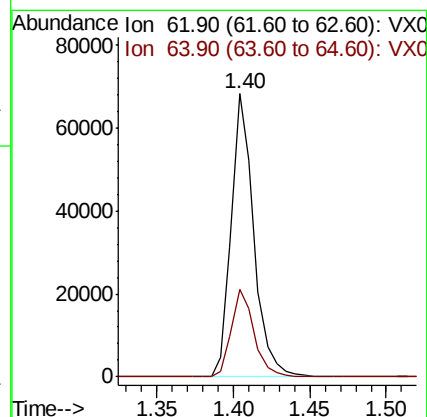
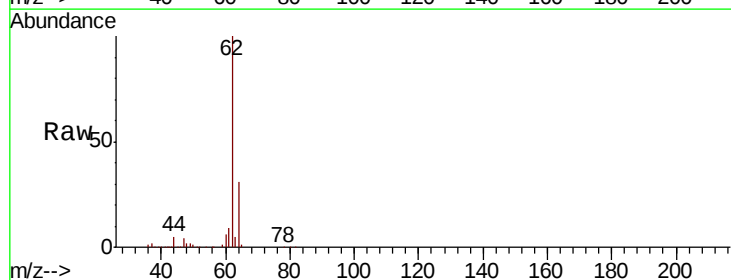
Acq: 10 Oct 2018 17:47

Tgt Ion: 62 Resp: 69871

Ion Ratio Lower Upper

62 100

64 31.0 25.5 38.3





#5

Bromomethane

Concen: 23.385 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

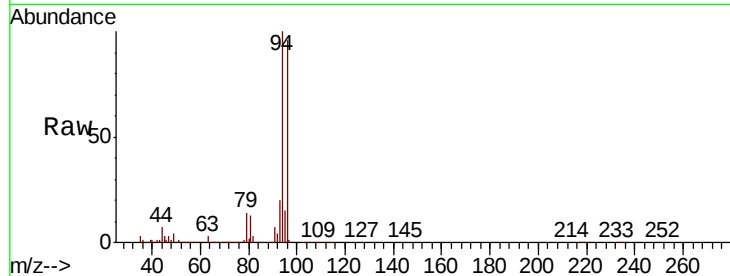
VX1010WBS02

Tot Ion: 94 Resp: 39970

Ion Ratio Lower Upper

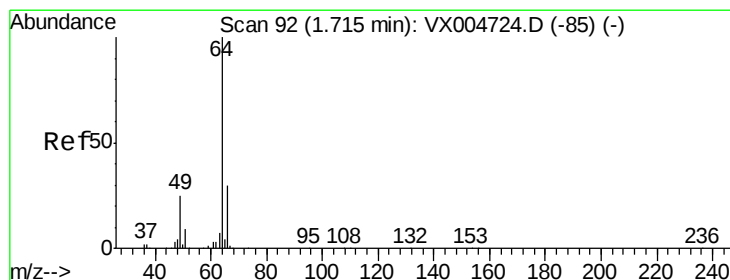
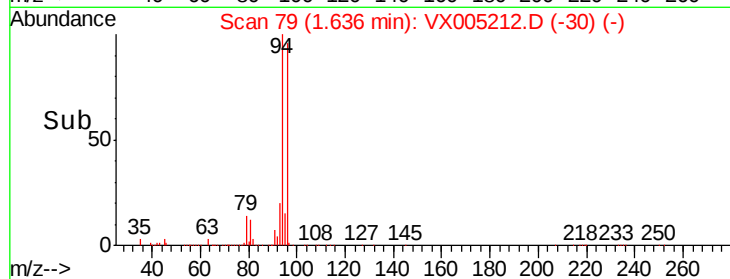
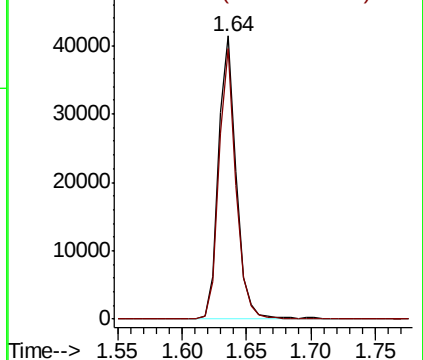
94 100

96 95.6 79.5 119.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 26.063 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX005212.D

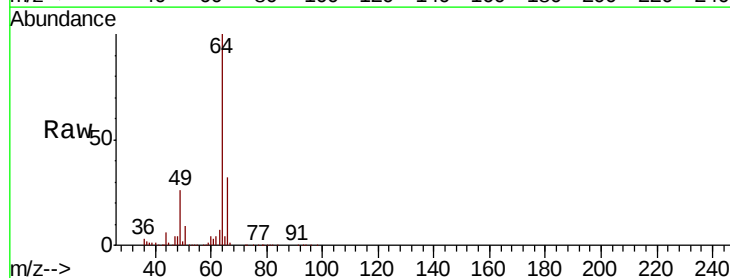
Acq: 10 Oct 2018 17:47

Tgt Ion: 64 Resp: 42690

Ion Ratio Lower Upper

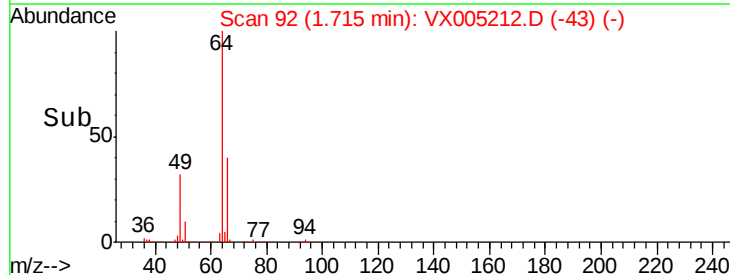
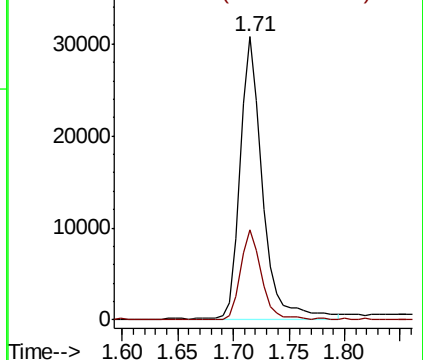
64 100

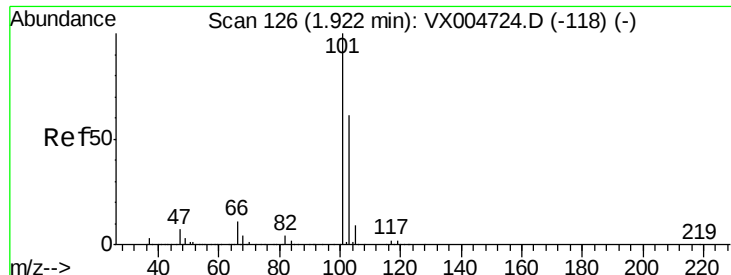
66 31.7 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



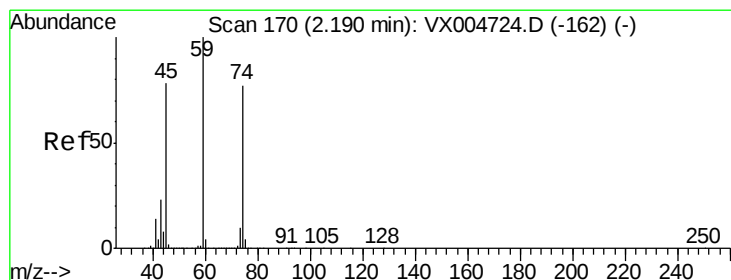
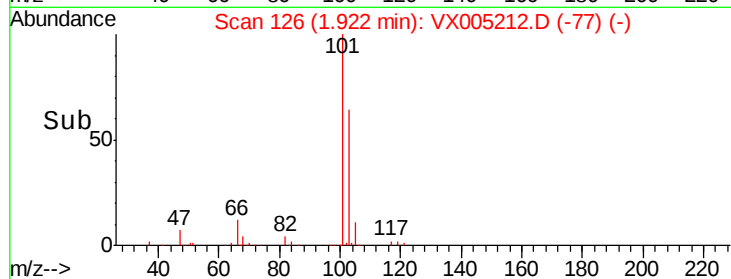
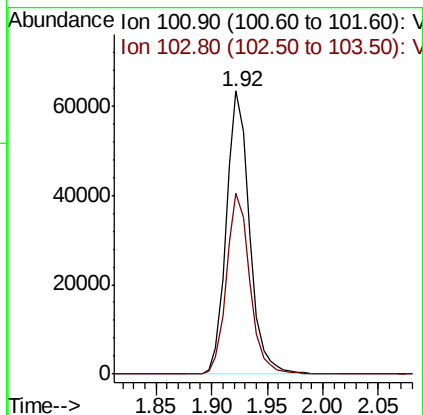
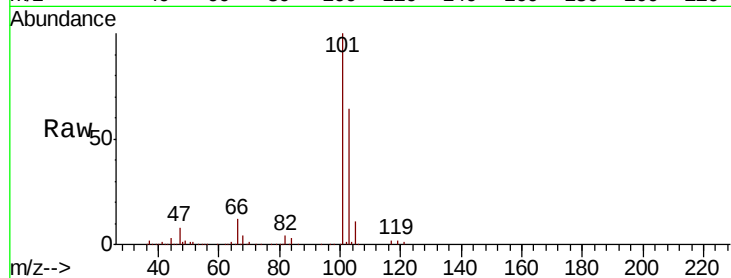


#7

Trichlorofluoromethane
 Concen: 25.549 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX005212.D
 Acq: 10 Oct 2018 17:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS02

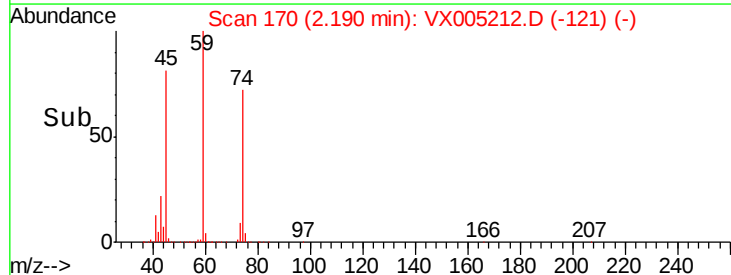
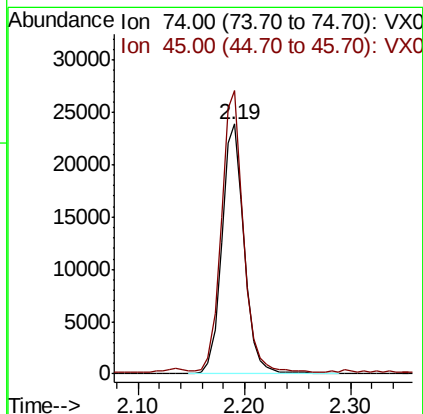
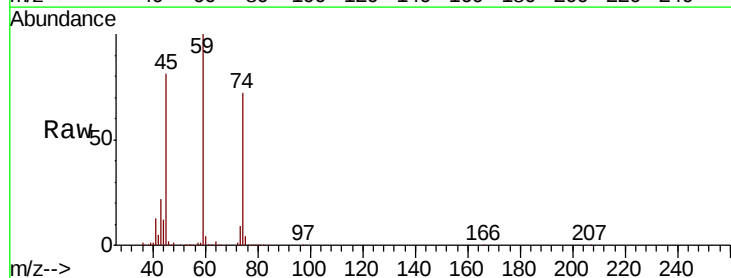
Tot Ion:101 Resp: 91167
 Ion Ratio Lower Upper
 101 100
 103 63.9 48.4 72.6

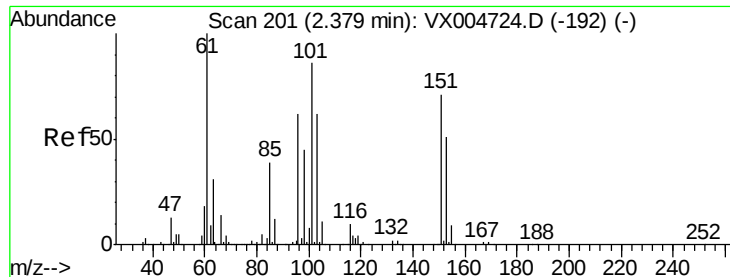


#8

Diethyl Ether
 Concen: 22.545 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005212.D
 Acq: 10 Oct 2018 17:47

Tgt Ion: 74 Resp: 34948
 Ion Ratio Lower Upper
 74 100
 45 109.7 52.5 157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.102 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS02

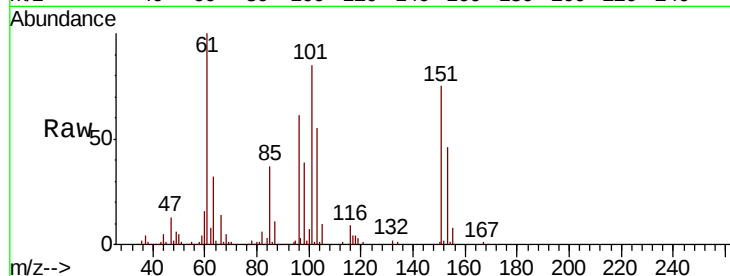
Tot Ion:101 Resp: 48989

Ion Ratio Lower Upper

101 100

85 43.8 35.9 53.9

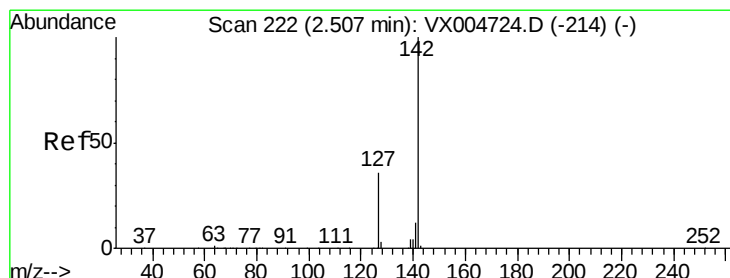
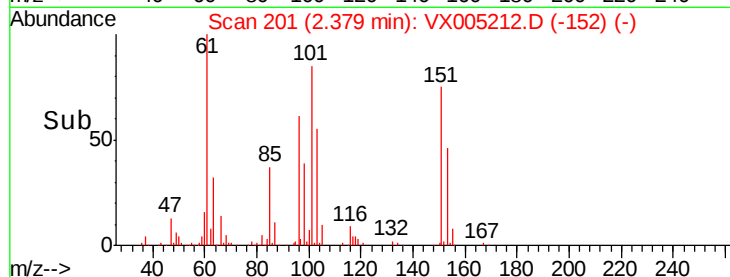
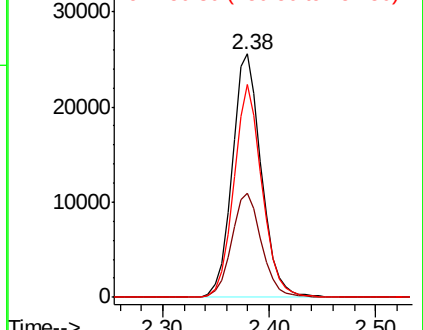
151 84.6 66.6 100.0



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: 19.586 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

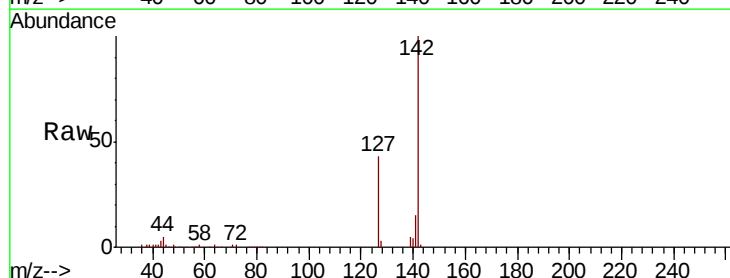
Tgt Ion:142 Resp: 53274

Ion Ratio Lower Upper

142 100

127 43.6 30.1 45.1

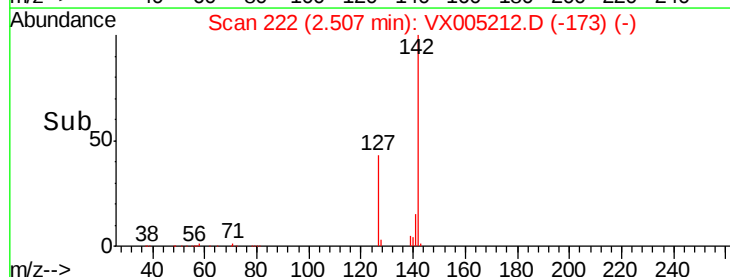
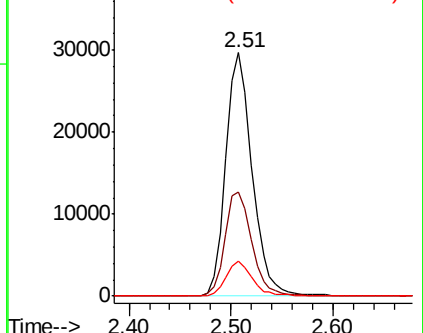
141 14.2 10.1 15.1

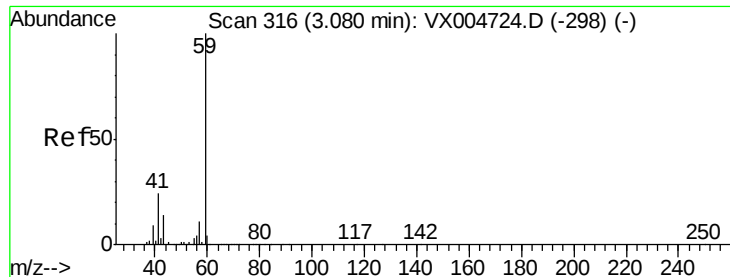


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



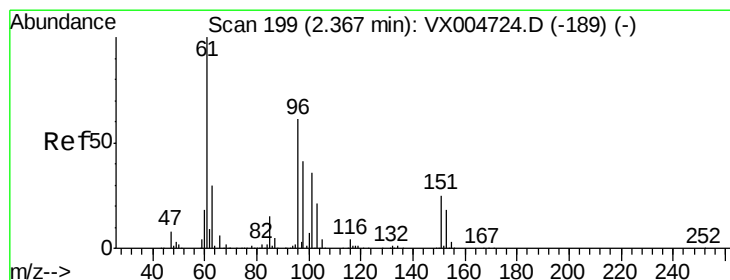
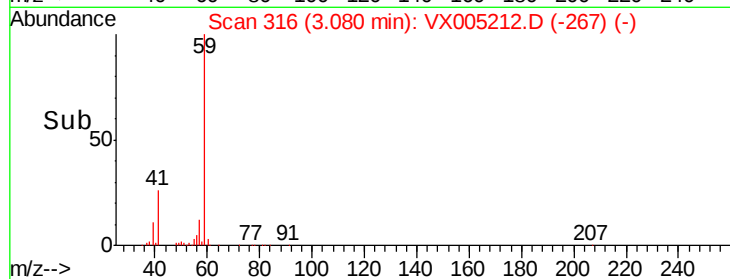
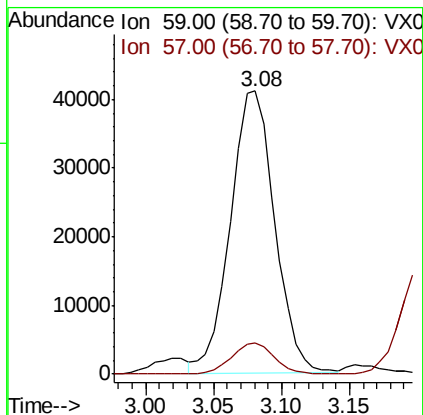
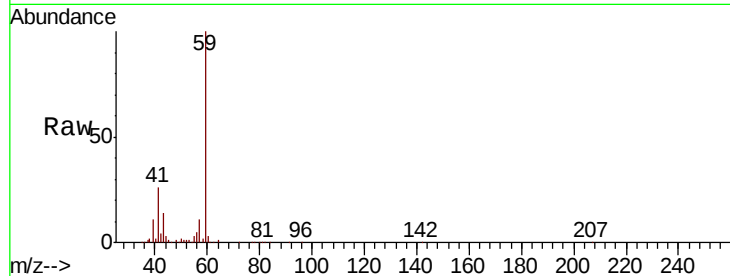


#11

Tert butyl alcohol
 Concen: 126.237 ug/l
 RT: 3.08 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: VX005212.D
 Acq: 10 Oct 2018 17:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS02

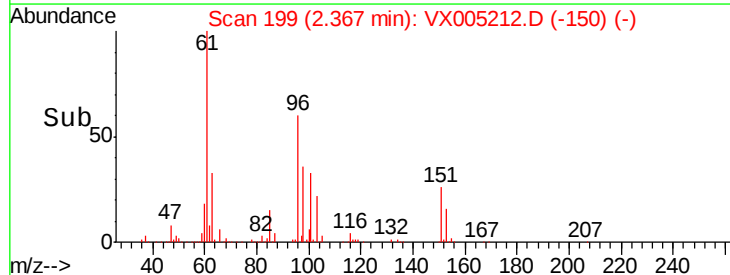
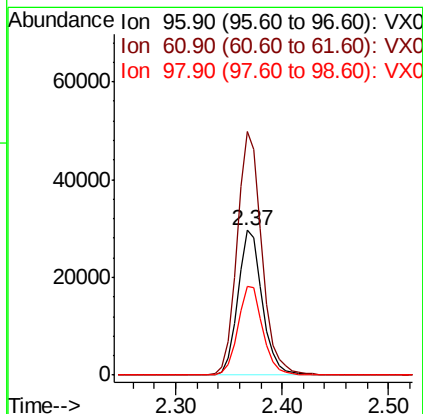
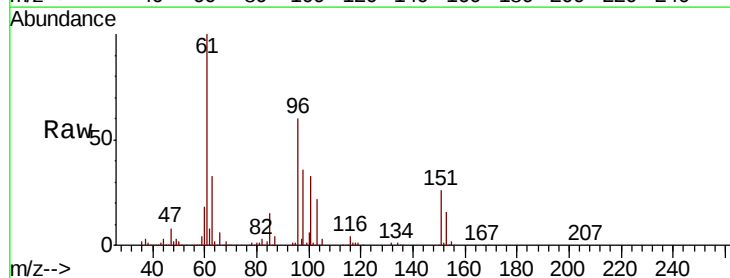
Tot Ion: 59 Resp: 93673
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.6 12.8

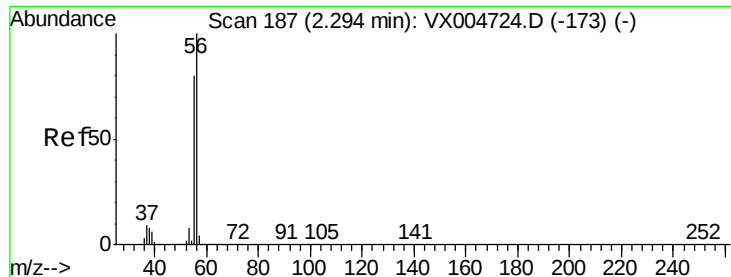


#12

1,1-Dichloroethene
 Concen: 23.708 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.00 min
 Lab File: VX005212.D
 Acq: 10 Oct 2018 17:47

Tgt Ion: 96 Resp: 47724
 Ion Ratio Lower Upper
 96 100
 61 167.9 130.2 195.4
 98 61.1 53.4 80.0





#13

Acrolein

Concen: 88.854 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

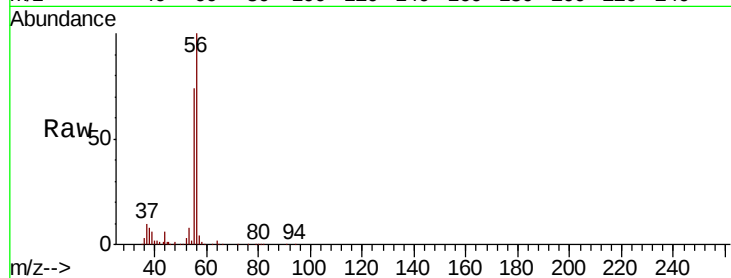
VX1010WBS02

Tot Ion: 56 Resp: 46911

Ion Ratio Lower Upper

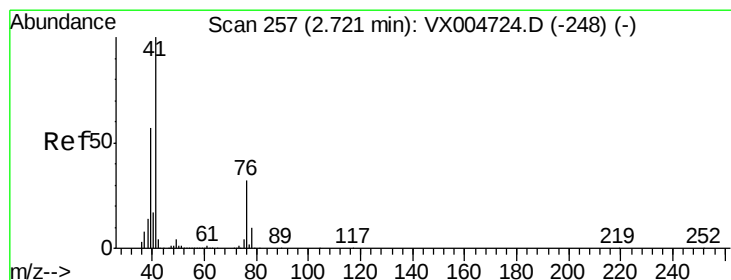
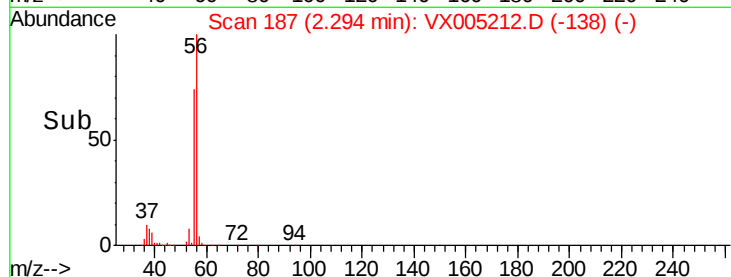
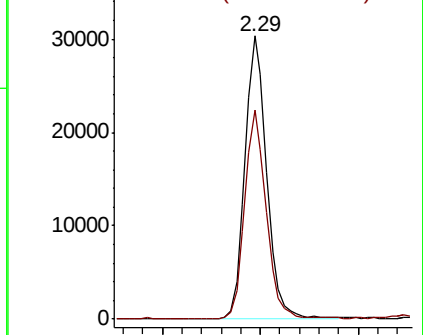
56 100

55 73.7 63.4 95.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 24.586 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

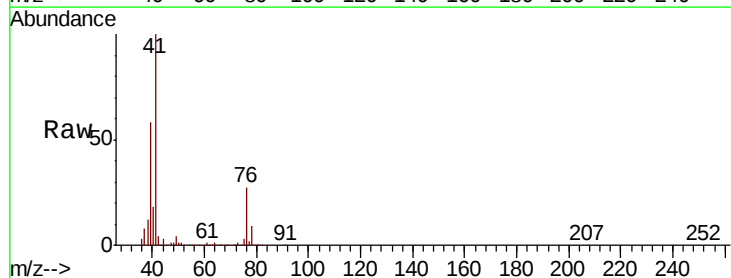
Tgt Ion: 41 Resp: 107984

Ion Ratio Lower Upper

41 100

39 58.9 44.1 66.1

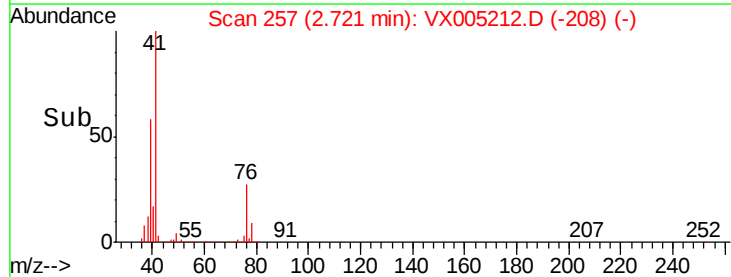
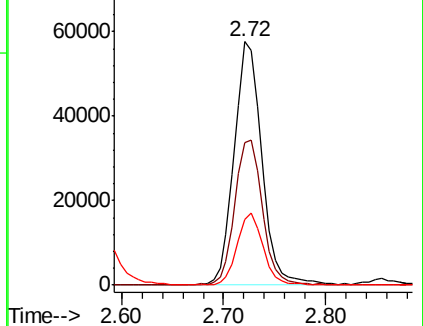
76 28.0 25.0 37.4

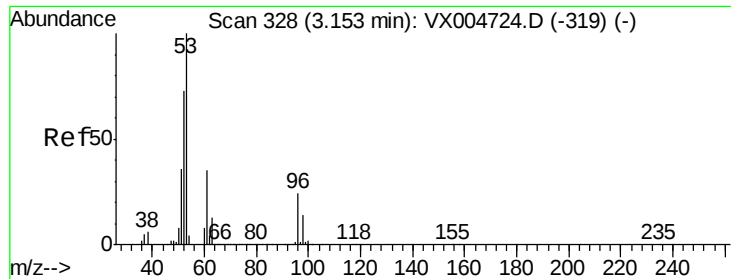


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 122.960 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampled :

VX1010WBS02

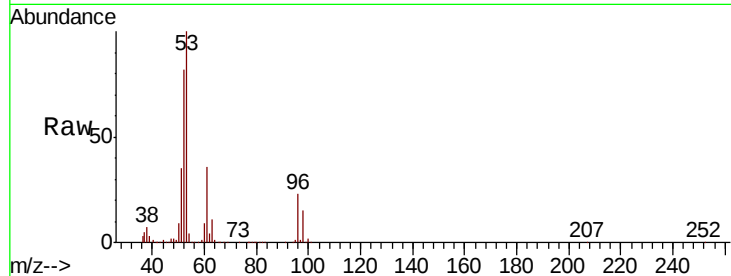
Tot Ion: 53 Resp: 200856

Ion Ratio Lower Upper

53 100

52 82.7 63.0 94.4

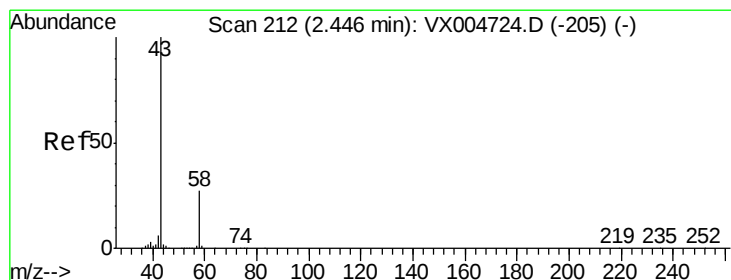
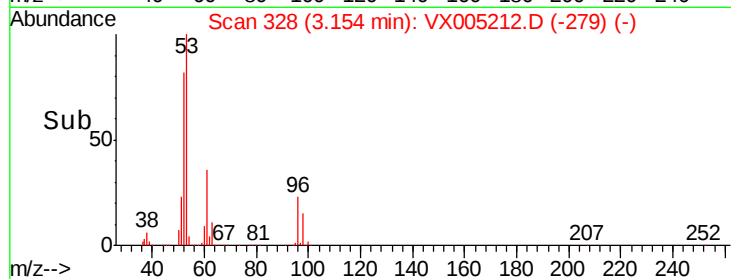
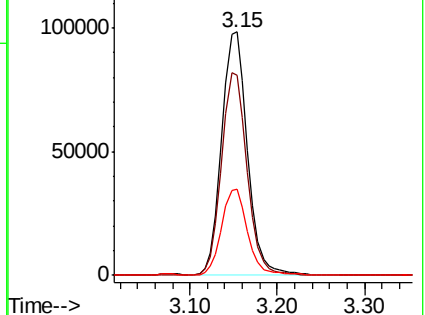
51 35.8 28.6 42.8



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: 132.619 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005212.D

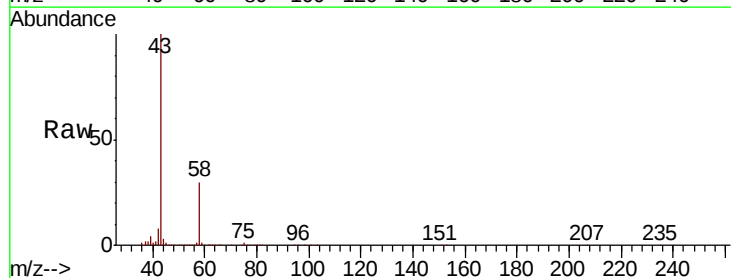
Acq: 10 Oct 2018 17:47

Tgt Ion: 43 Resp: 205475

Ion Ratio Lower Upper

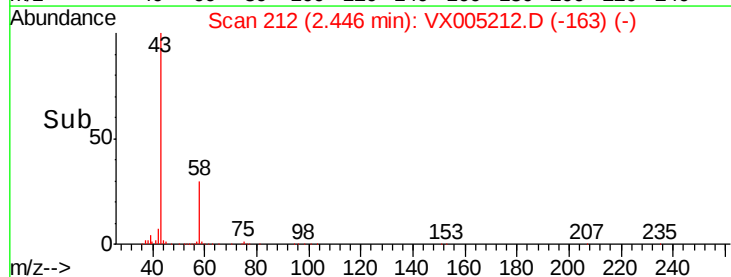
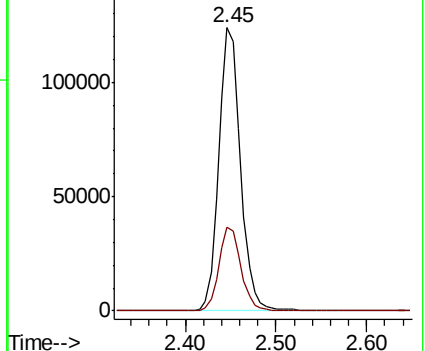
43 100

58 29.8 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

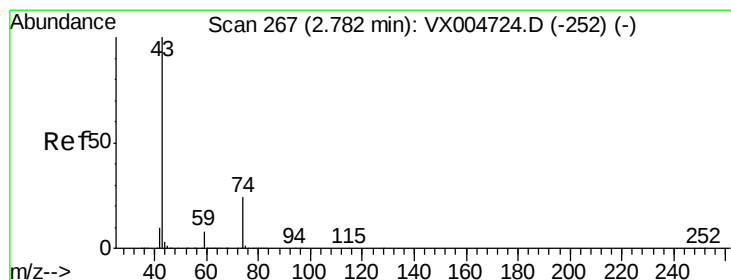
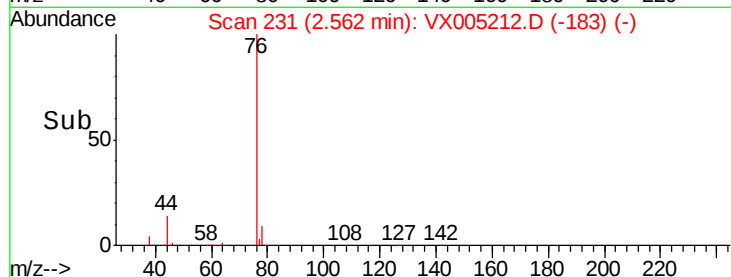
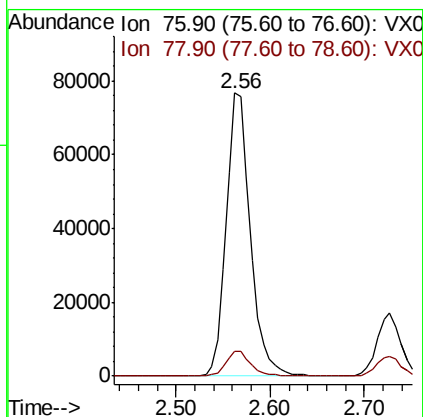
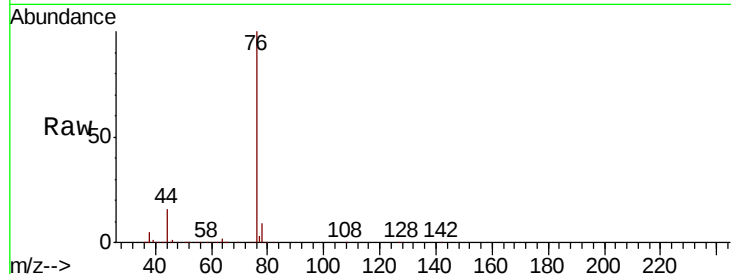




#17
Carbon Disulfide
Concen: 22.526 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005212.D
Acq: 10 Oct 2018 17:47

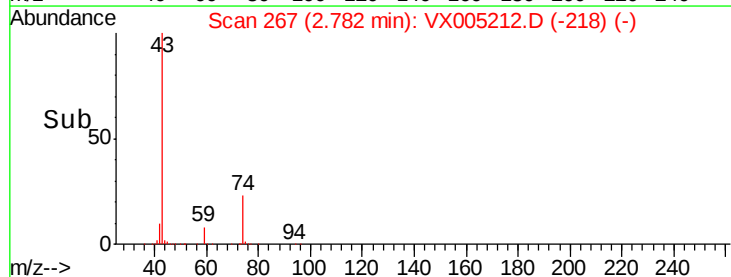
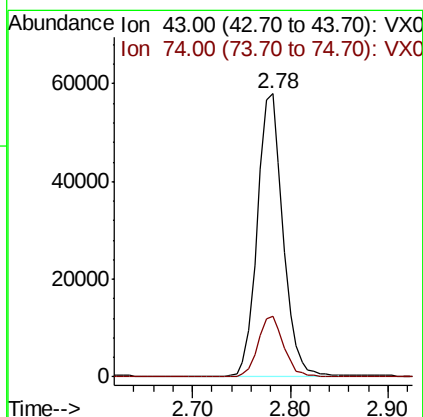
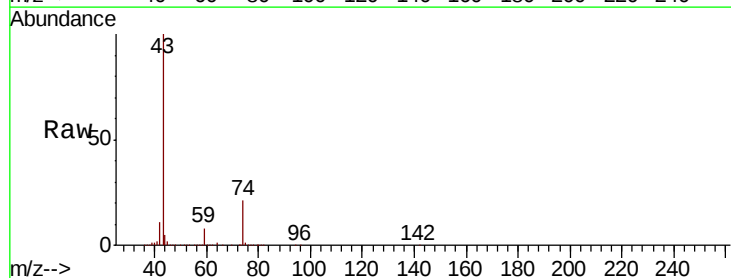
Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS02

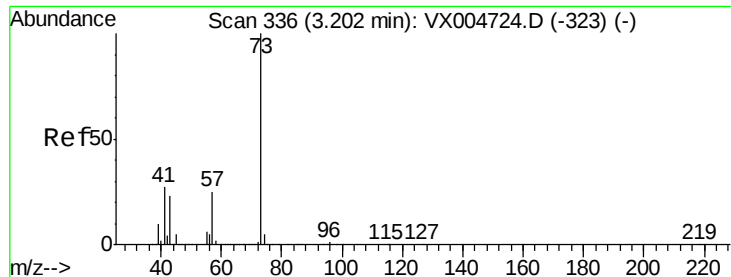
Tot Ion: 76 Resp: 136255
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#18
Methyl Acetate
Concen: 26.739 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005212.D
Acq: 10 Oct 2018 17:47

Tgt Ion: 43 Resp: 104965
Ion Ratio Lower Upper
43 100
74 21.0 17.8 26.8



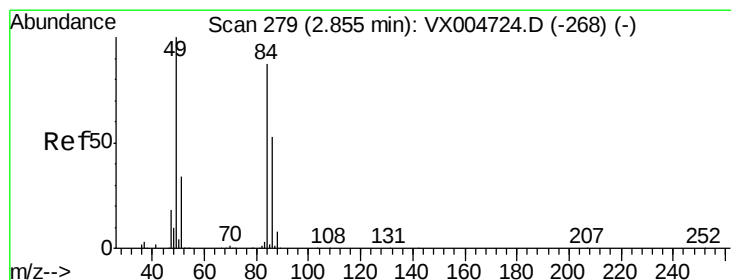
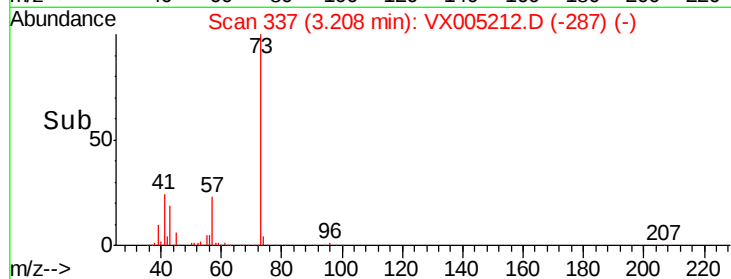
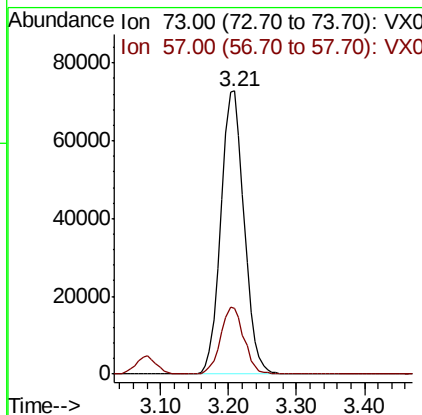
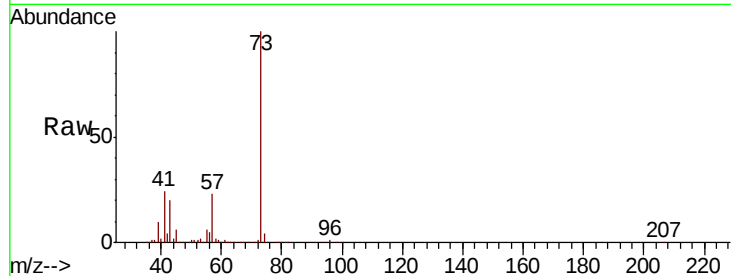


#19

Methyl tert-butyl Ether
 Concen: 24.923 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX005212.D
 Acq: 10 Oct 2018 17:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS02

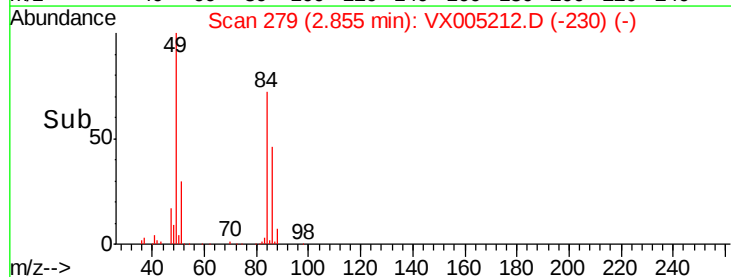
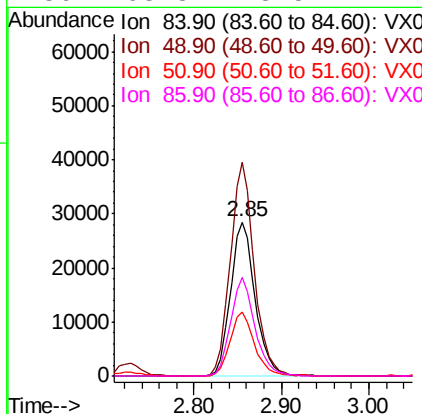
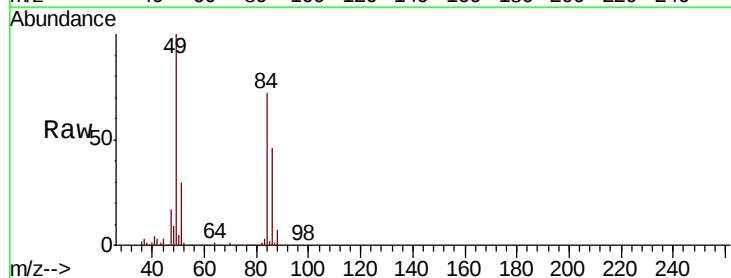
Tot Ion: 73 Resp: 173049
 Ion Ratio Lower Upper
 73 100
 57 23.1 19.9 29.9

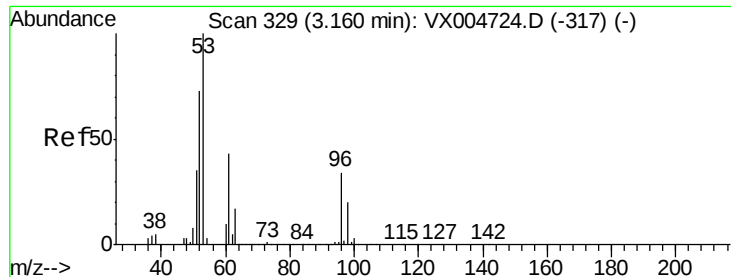


#20

Methylene Chloride
 Concen: 24.311 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005212.D
 Acq: 10 Oct 2018 17:47

Tgt Ion: 84 Resp: 55737
 Ion Ratio Lower Upper
 84 100
 49 139.0 92.3 138.5#
 51 41.3 31.8 47.6
 86 63.8 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 23.186 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS02

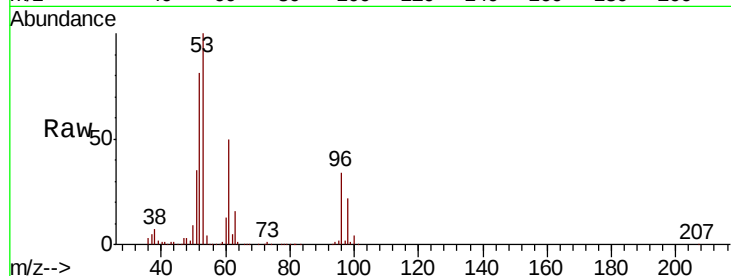
Tot Ion: 96 Resp: 51091

Ion Ratio Lower Upper

96 100

61 147.0 101.0 151.6

98 64.2 47.2 70.8

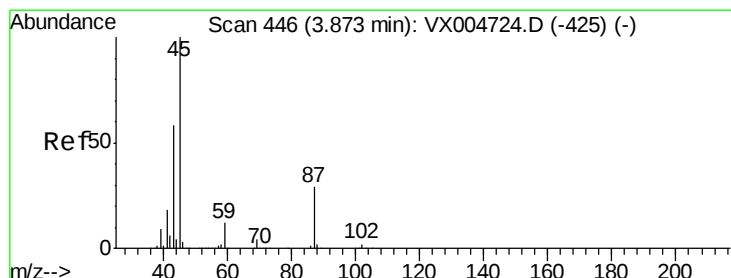
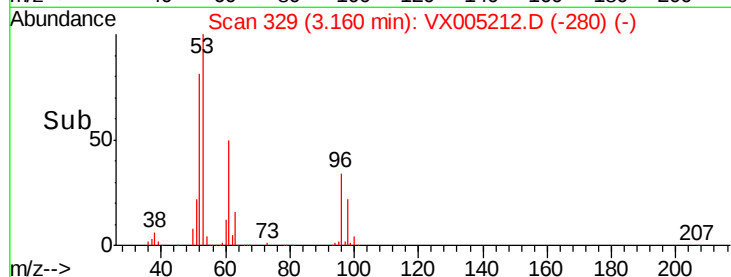
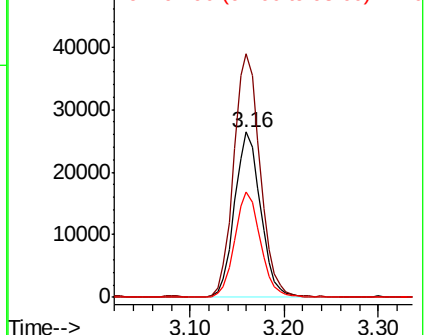


Abundance

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: 23.370 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Tgt Ion: 45 Resp: 172846

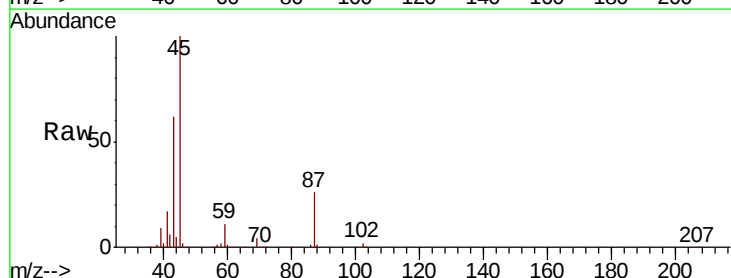
Ion Ratio Lower Upper

45 100

43 61.4 46.7 70.1

87 26.0 22.9 34.3

59 10.8 9.3 13.9



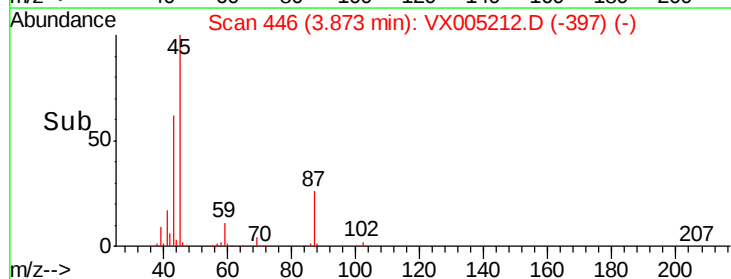
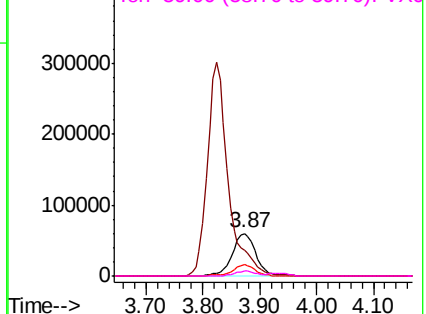
Abundance

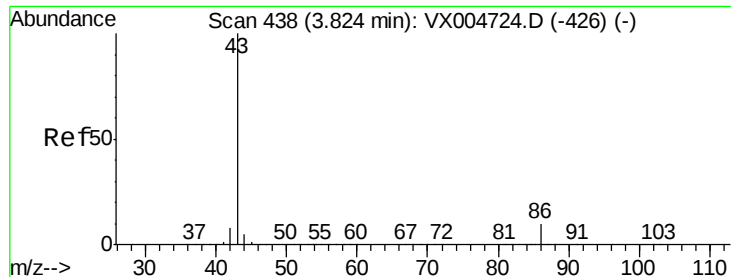
Ion 45.00 (44.70 to 45.70): VX0

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

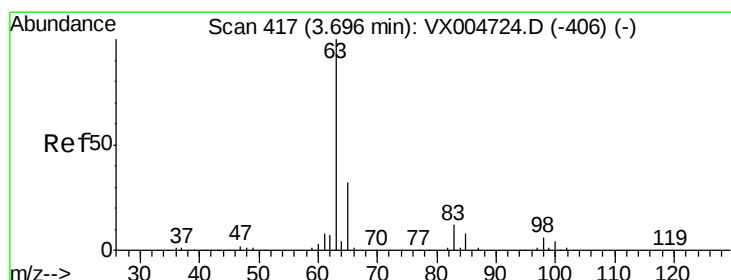
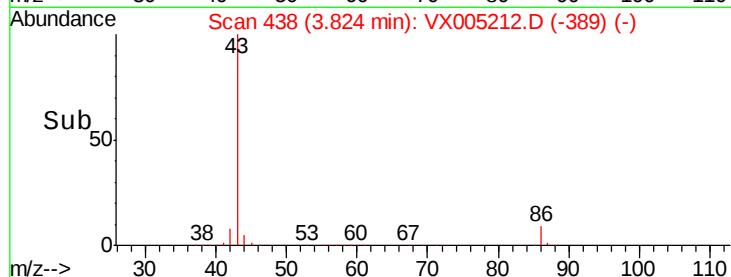
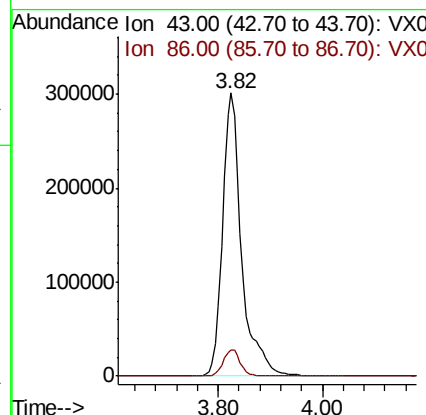
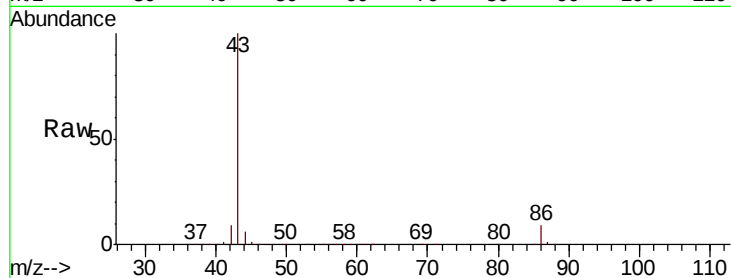




#23
 Vinyl Acetate
 Concen: 113.982 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. 0.00 min
 Lab File: VX005212.D
 Acq: 10 Oct 2018 17:47

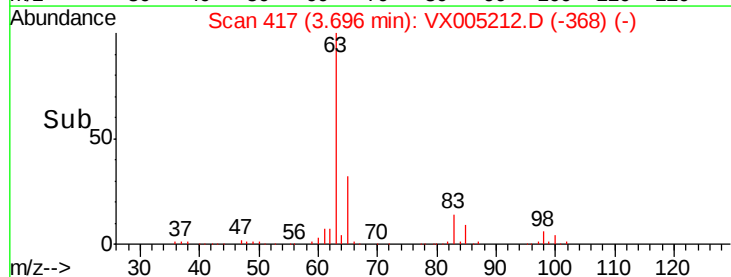
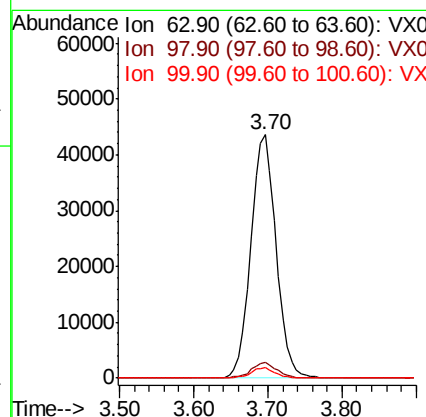
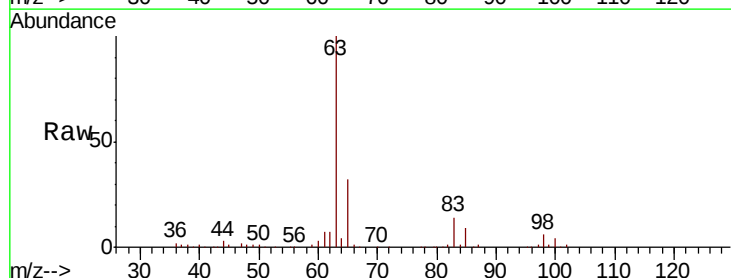
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS02

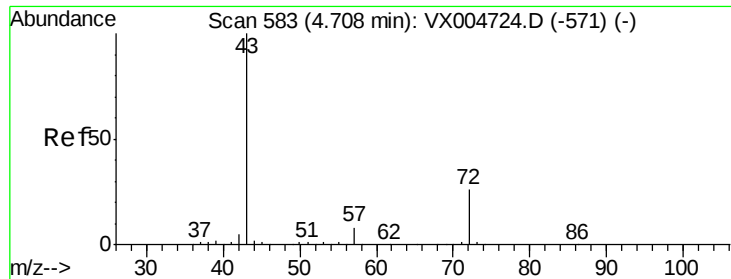
Tot Ion: 43 Resp: 771653
 Ion Ratio Lower Upper
 43 100
 86 9.4 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 23.543 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX005212.D
 Acq: 10 Oct 2018 17:47

Tgt Ion: 63 Resp: 103866
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.0 9.2
 100 4.1 2.0 5.8





#25

2-Butanone

Concen: 117.882 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

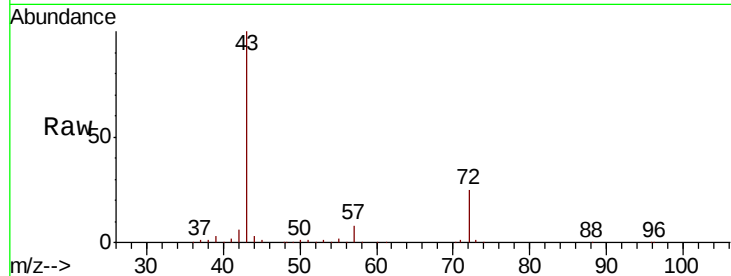
VX1010WBS02

Tot Ion: 43 Resp: 269221

Ion Ratio Lower Upper

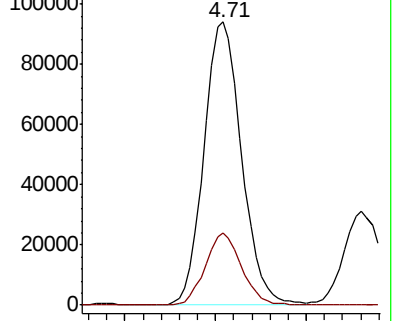
43 100

72 25.4 20.8 31.2

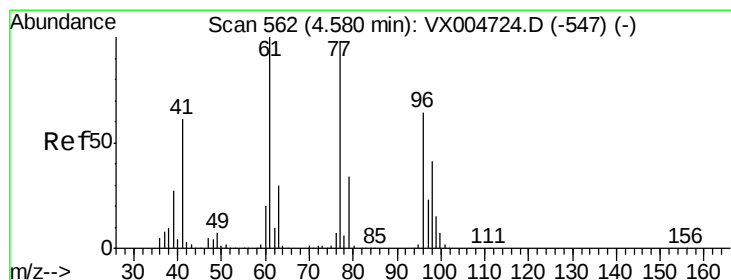
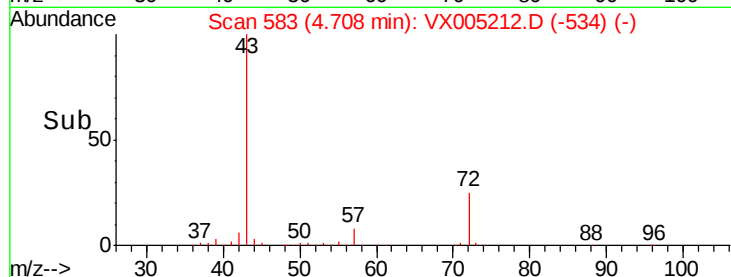


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#26

2,2-Dichloropropane

Concen: 24.406 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005212.D

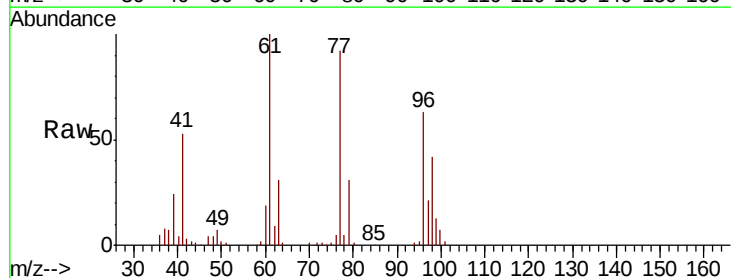
Acq: 10 Oct 2018 17:47

Tgt Ion: 77 Resp: 74978

Ion Ratio Lower Upper

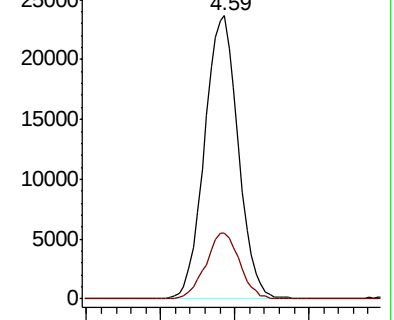
77 100

97 23.4 12.6 37.8

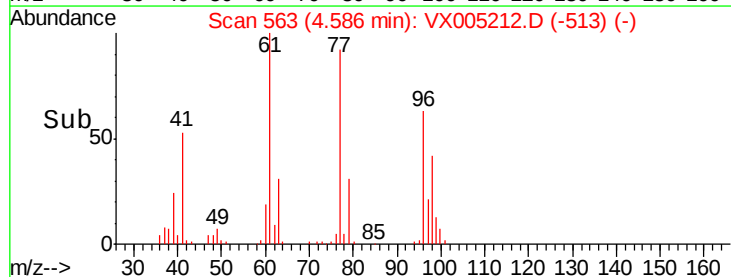


Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



Time-->



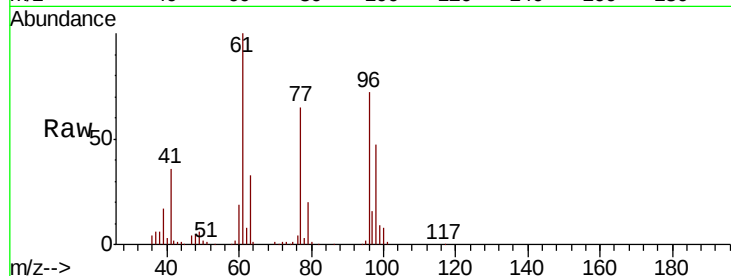


#27

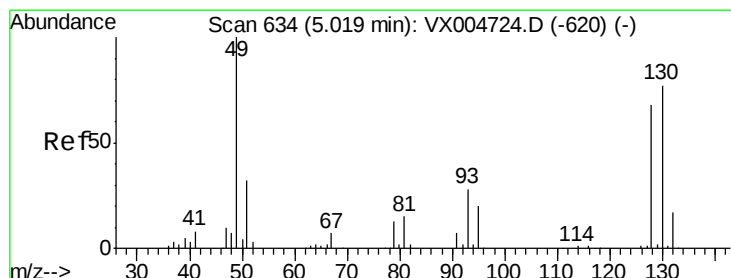
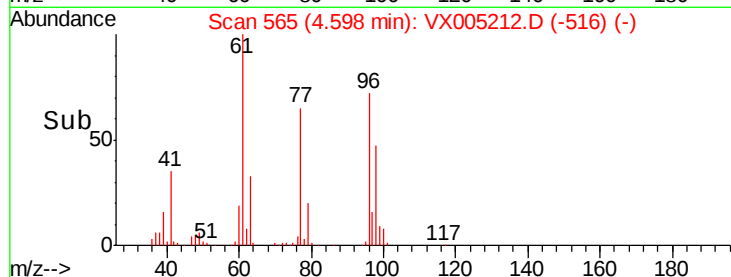
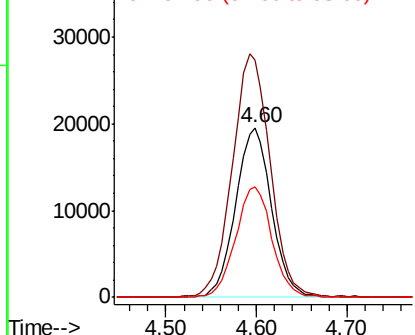
cis-1,2-Dichloroethene
Concen: 21.779 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX005212.D
Acq: 10 Oct 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS02

Tot Ion	96	Resp	53613
Ion	Ratio	Lower	Upper
96	100		
61	151.7	0.0	285.8
98	65.9	0.0	136.2



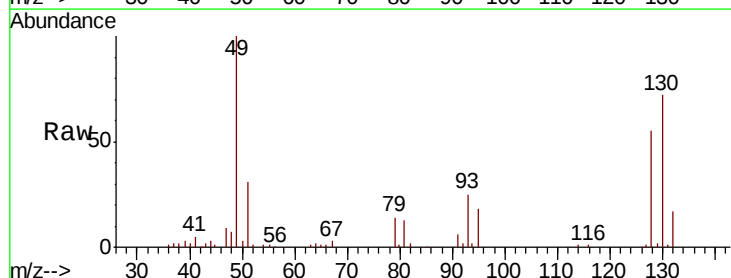
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



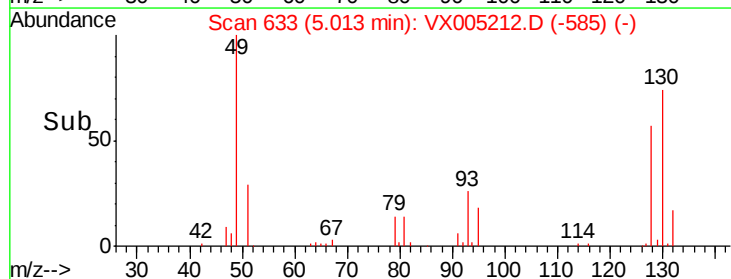
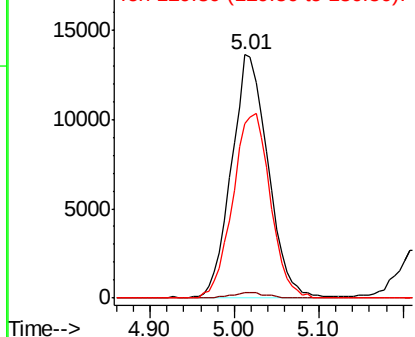
#28

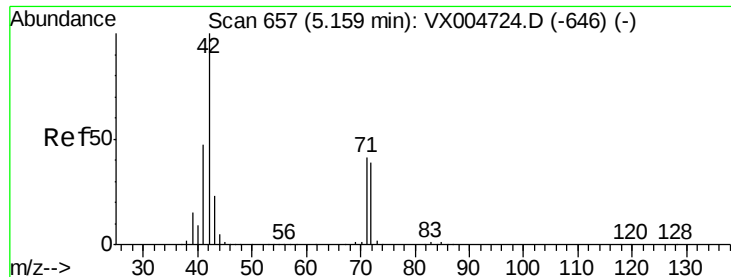
Bromochloromethane
Concen: 19.338 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005212.D
Acq: 10 Oct 2018 17:47

Tgt Ion	49	Resp	40175
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	77.2	62.0	93.0



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





#29

Tetrahydrofuran

Concen: 120.160 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS02

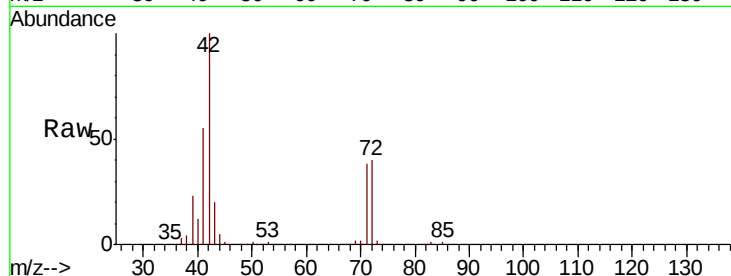
Tot Ion: 42 Resp: 170564

Ion Ratio Lower Upper

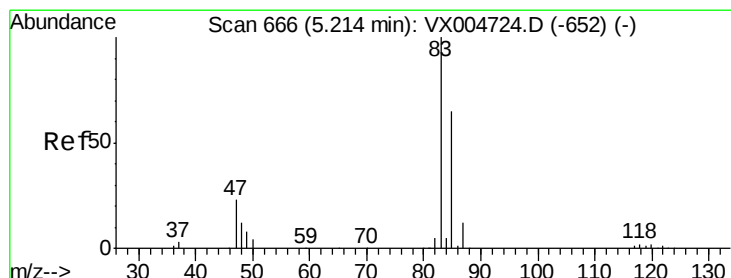
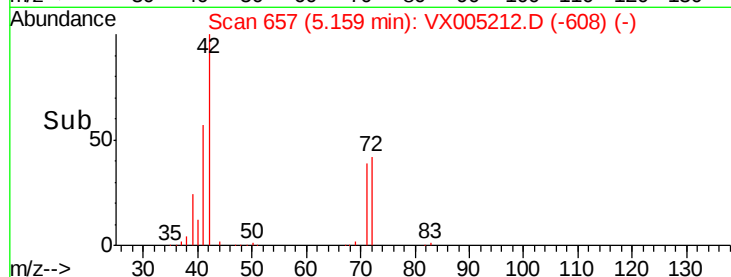
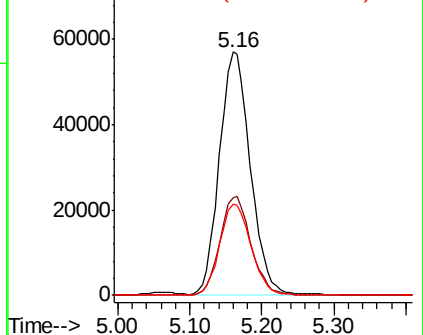
42 100

72 40.6 33.7 50.5

71 38.2 32.2 48.4



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: 22.270 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX005212.D

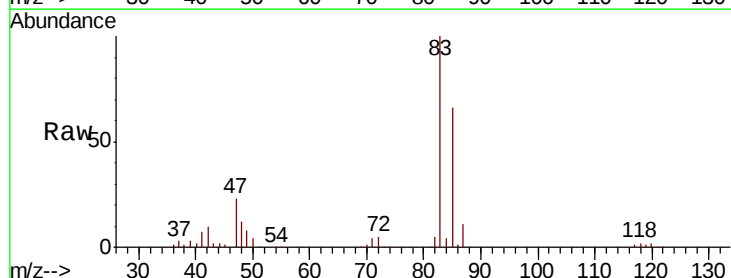
Acq: 10 Oct 2018 17:47

Tgt Ion: 83 Resp: 92856

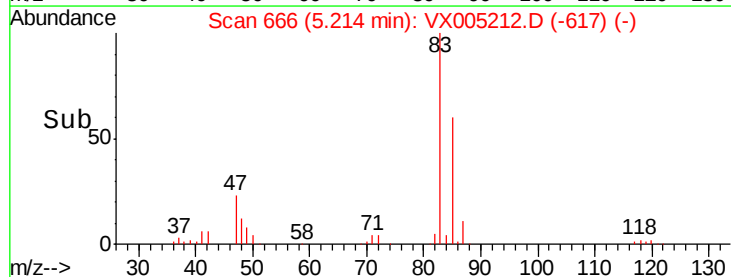
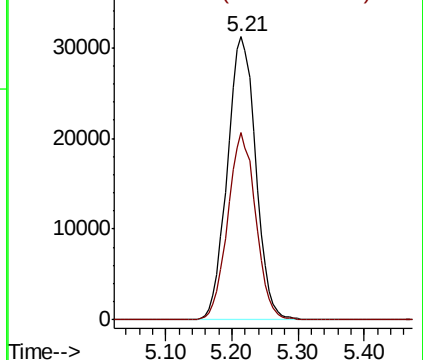
Ion Ratio Lower Upper

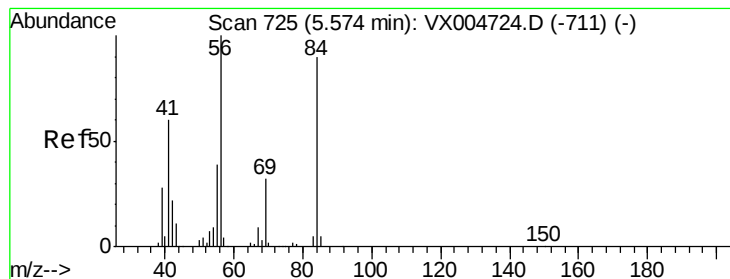
83 100

85 66.4 52.4 78.6



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





#31

Cvclohexane

Concen: 23.469 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS02

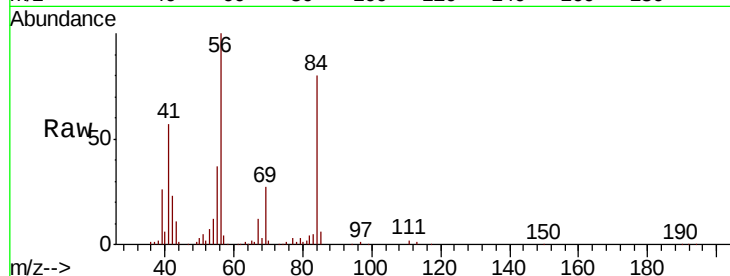
Tot Ion: 56 Resp: 79245

Ion Ratio Lower Upper

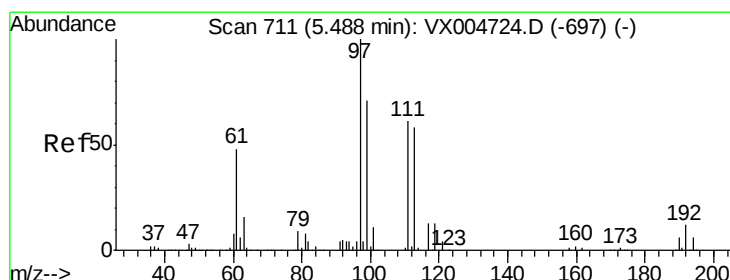
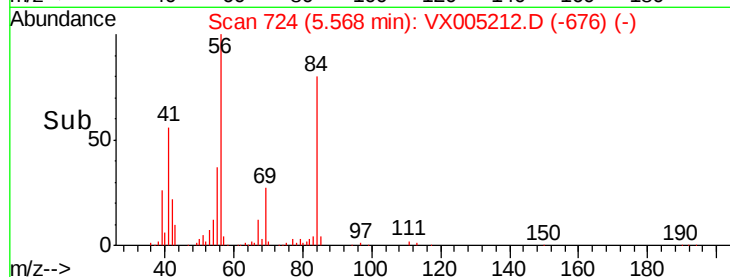
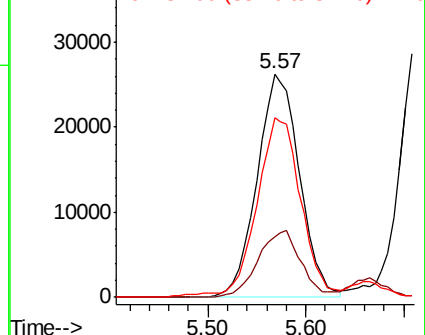
56 100

69 26.9 25.9 38.9

84 78.7 71.9 107.9



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



#32

1,1,1-Trichloroethane

Concen: 23.471 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

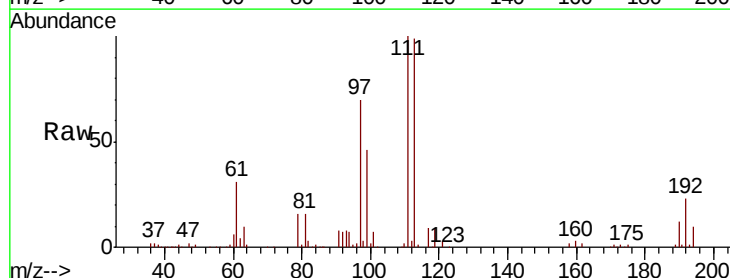
Tgt Ion: 97 Resp: 79922

Ion Ratio Lower Upper

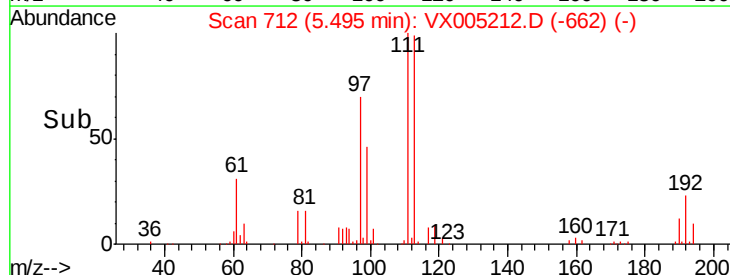
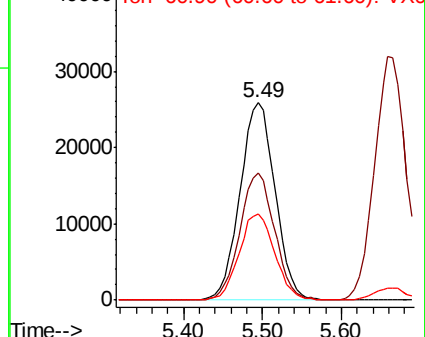
97 100

99 63.9 54.6 82.0

61 44.7 37.5 56.3



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

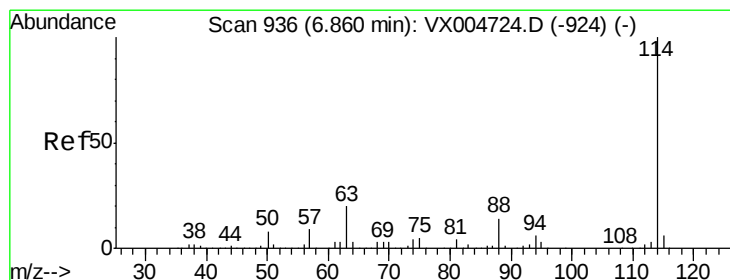
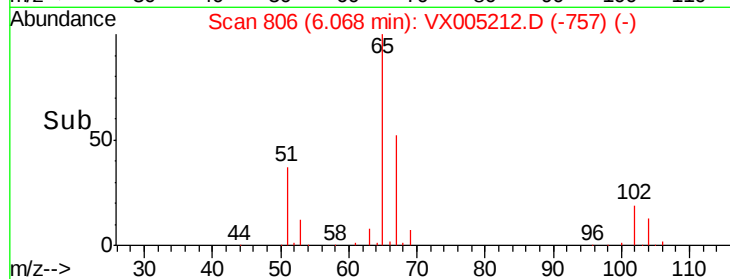
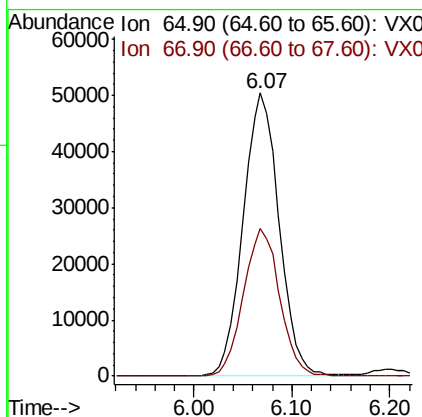
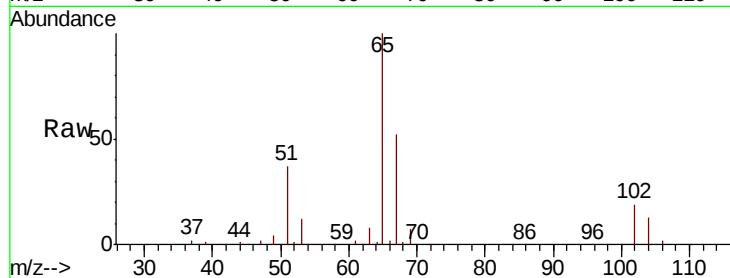




#33
 1,2-Dichloroethane-d4
 Concen: 48.512 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005212.D
 Acq: 10 Oct 2018 17:47

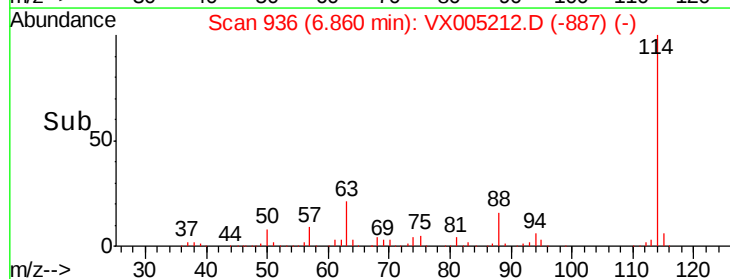
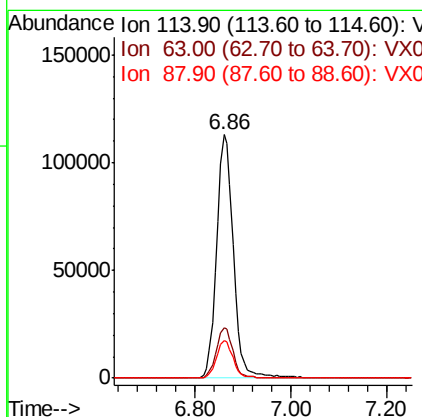
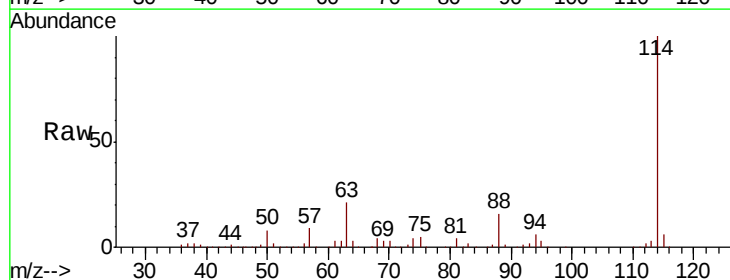
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS02

Tot Ion: 65 Resp: 128742
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005212.D
 Acq: 10 Oct 2018 17:47

Tgt Ion: 114 Resp: 274464
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.8
 88 15.6 0.0 27.0

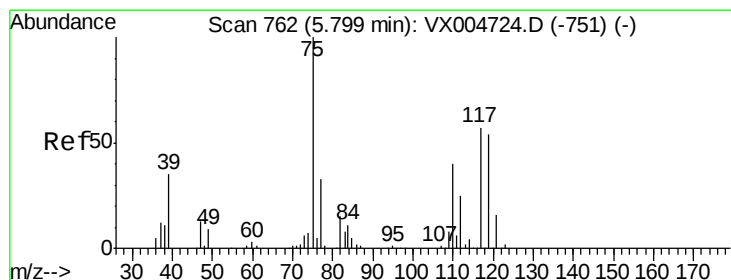
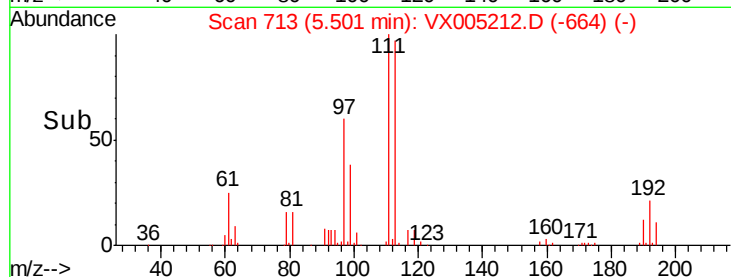
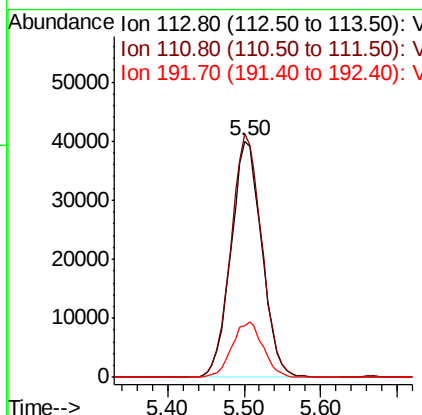
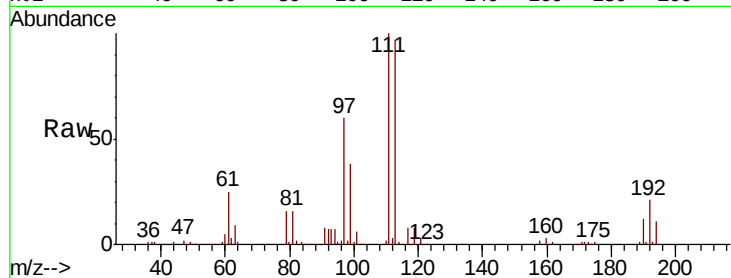




#35
 Dibromofluoromethane
 Concen: 48.062 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005212.D
 Acq: 10 Oct 2018 17:47

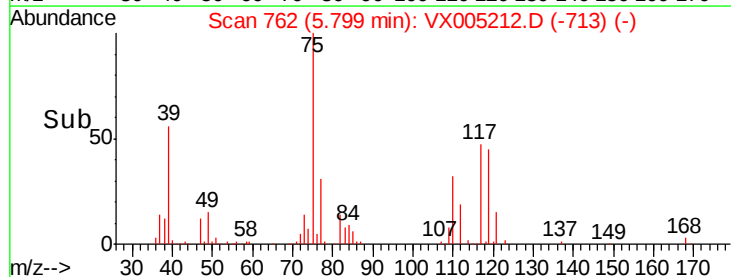
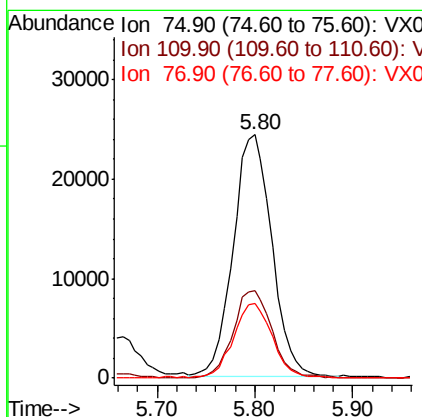
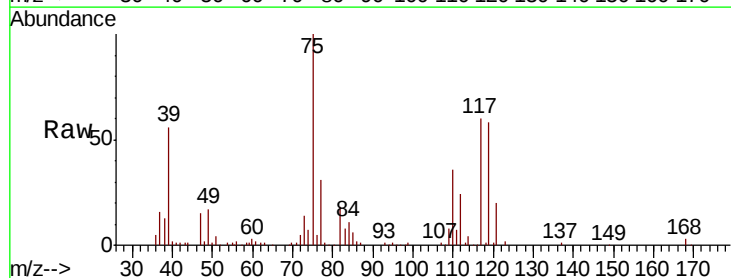
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS02

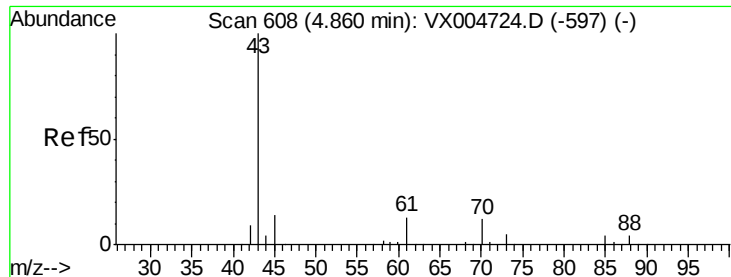
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	77.0	115.4
192	23.6	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 21.001 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX005212.D
 Acq: 10 Oct 2018 17:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	20.0	59.9
77	31.3	27.1	40.7





#37

Ethyl Acetate

Concen: 21.753 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS02

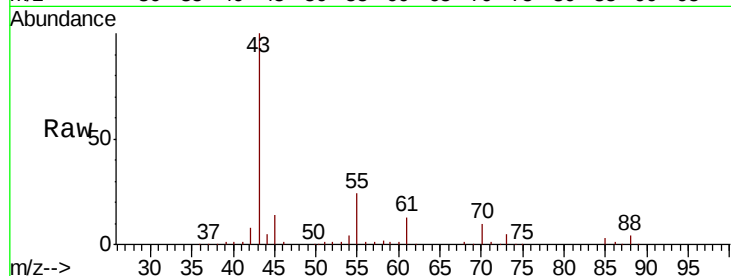
Tot Ion: 43 Resp: 91641

Ion Ratio Lower Upper

43 100

61 13.8 10.4 15.6

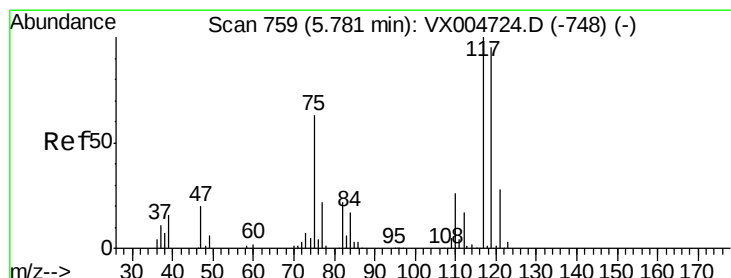
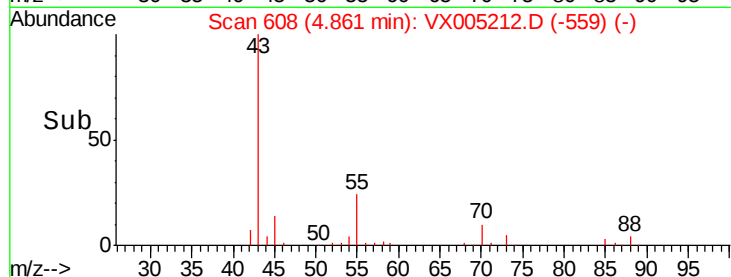
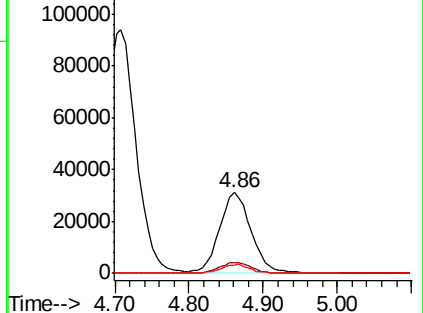
70 10.4 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VX004724.D (-597) (-)

Ion 60.90 (60.60 to 61.60): VX004724.D (-597) (-)

Ion 70.00 (69.70 to 70.70): VX004724.D (-597) (-)



#38

Carbon Tetrachloride

Concen: 20.865 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

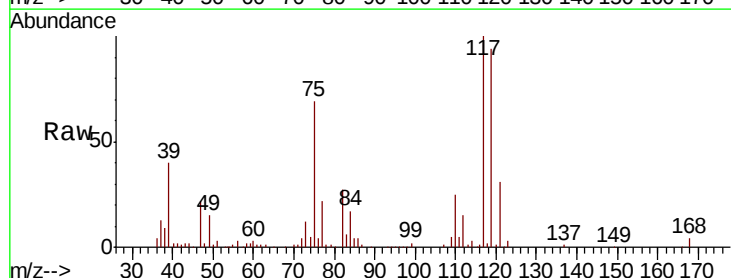
Tgt Ion: 117 Resp: 69607

Ion Ratio Lower Upper

117 100

119 93.9 75.2 112.8

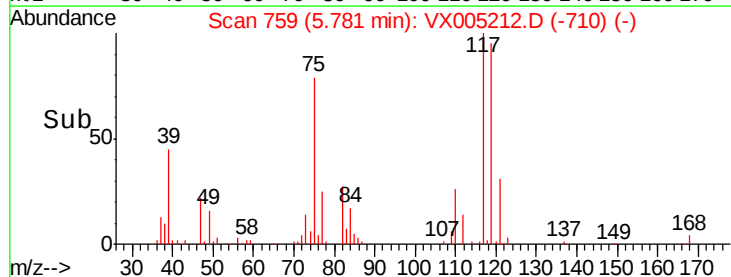
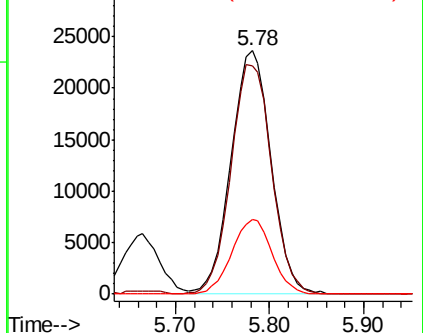
121 31.0 22.5 33.7

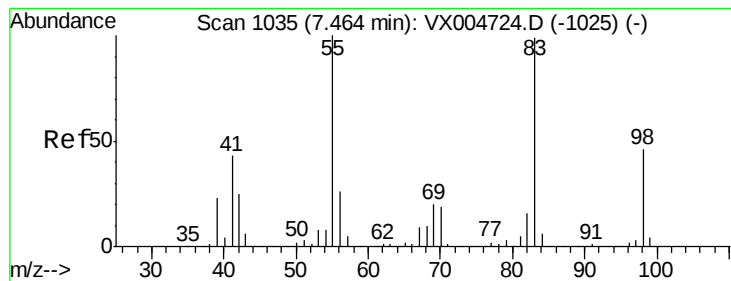


Abundance Ion 116.80 (116.50 to 117.50): VX004724.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX004724.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX004724.D (-748) (-)





#39

Methvlcvclohexane

Concen: 23.214 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS02

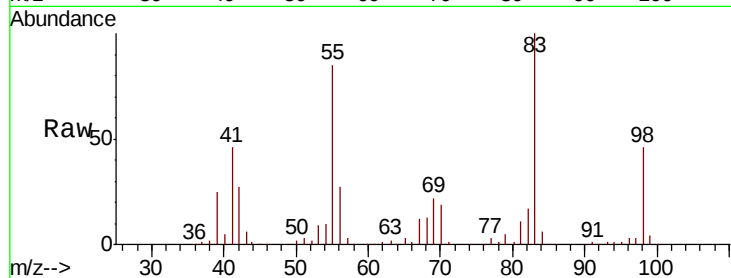
Tot Ion: 83 Resp: 75229

Ion Ratio Lower Upper

83 100

55 84.7 81.1 121.7

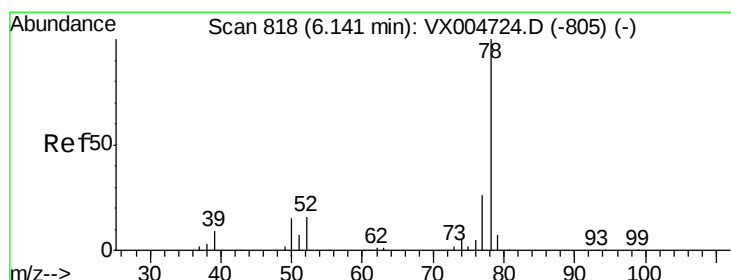
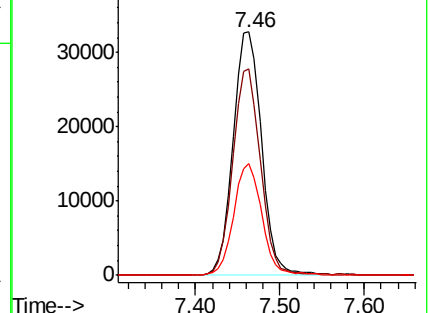
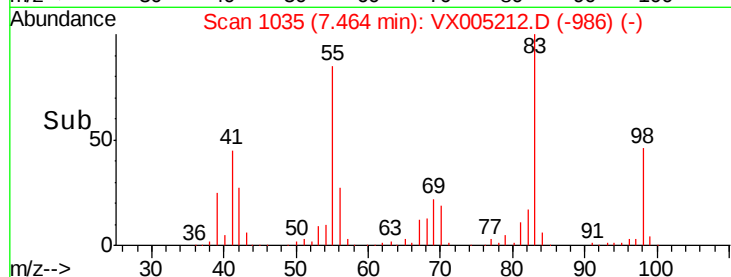
98 45.8 37.3 55.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40

Benzene

Concen: 20.640 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX005212.D

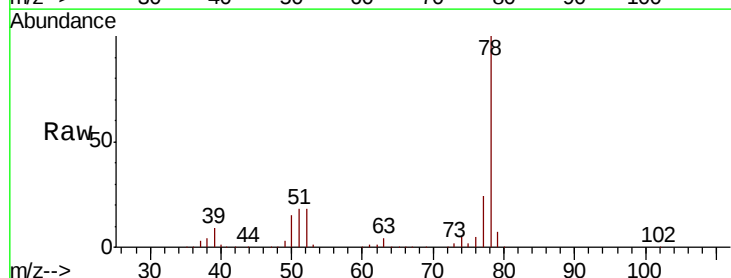
Acq: 10 Oct 2018 17:47

Tgt Ion: 78 Resp: 205074

Ion Ratio Lower Upper

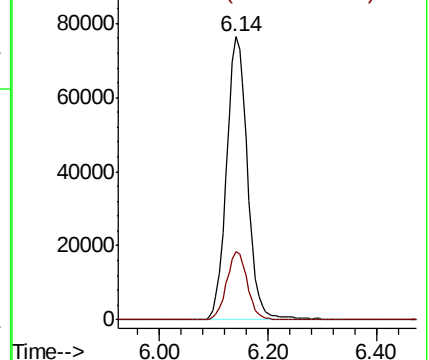
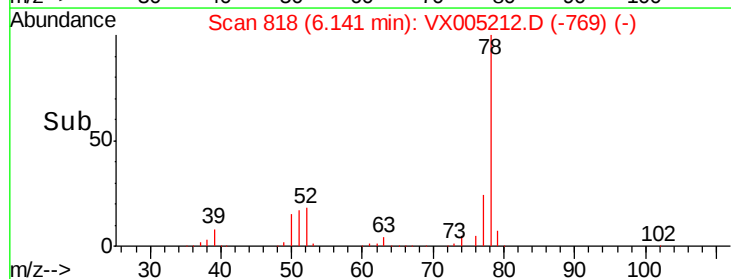
78 100

77 24.3 21.0 31.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

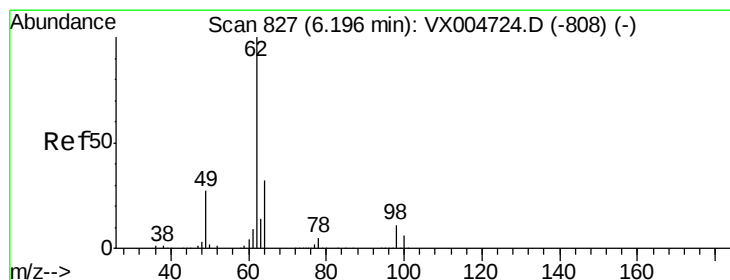
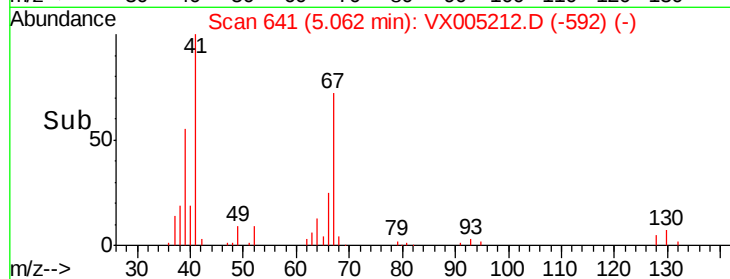
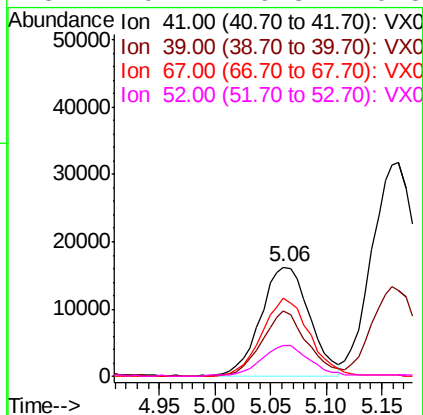
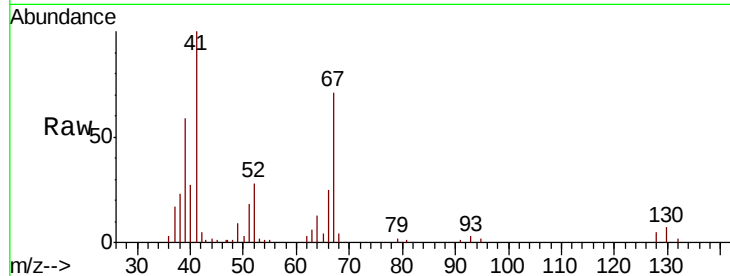




#41
Methacrylonitrile
Concen: 21.051 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX005212.D
Acq: 10 Oct 2018 17:47

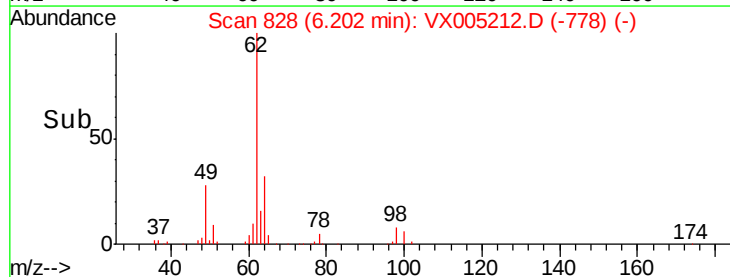
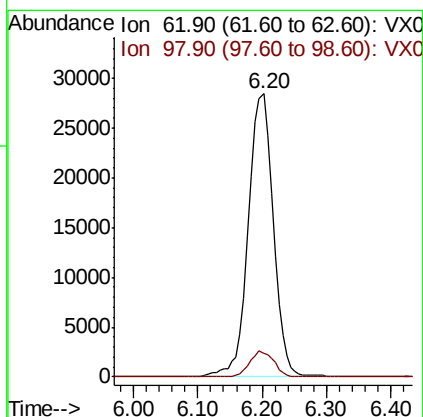
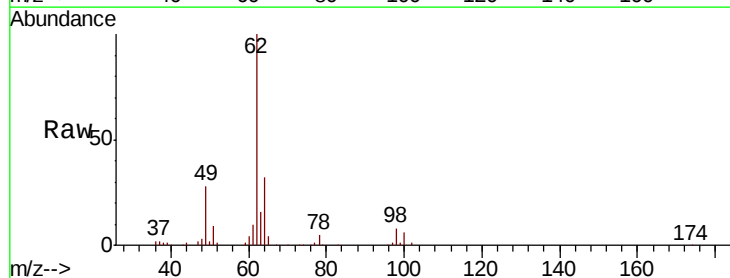
Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS02

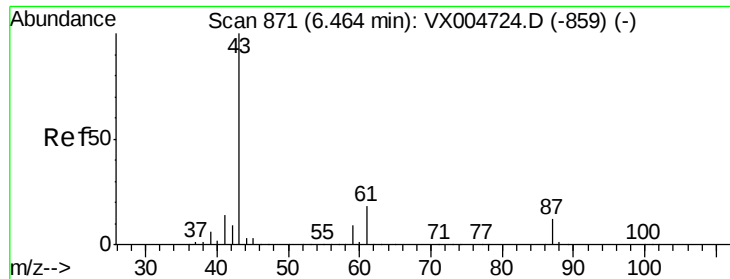
Tot Ion:	41	Resp:	49181
Ion	Ratio	Lower	Upper
41	100		
39	56.2	42.5	63.7
67	70.8	53.0	79.6
52	29.4	19.8	29.8



#42
1,2-Dichloroethane
Concen: 21.579 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005212.D
Acq: 10 Oct 2018 17:47

Tgt Ion:	62	Resp:	75795
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	20.2





#43

Isopropyl Acetate

Concen: 21.255 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS02

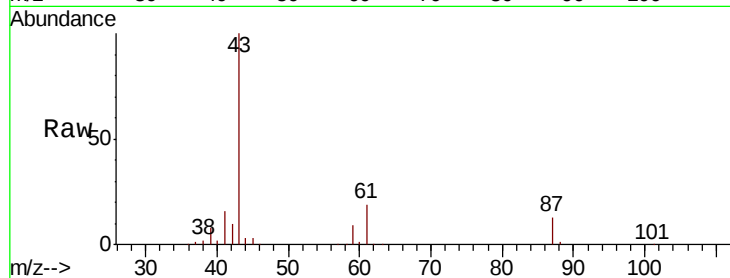
Tot Ion: 43 Resp: 129242

Ion Ratio Lower Upper

43 100

61 19.2 14.2 21.4

87 12.9 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VX004724.D (-859) (-)

Ion 61.00 (60.70 to 61.70): VX004724.D (-859) (-)

Ion 87.00 (86.70 to 87.70): VX004724.D (-859) (-)

6.46

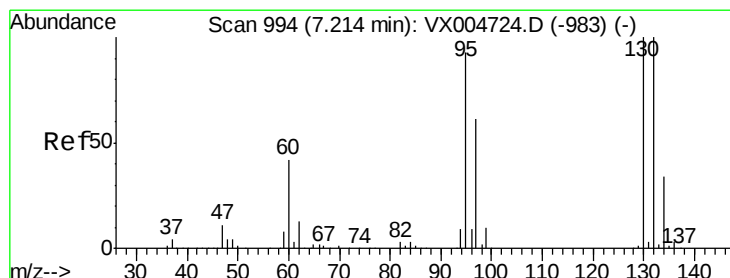
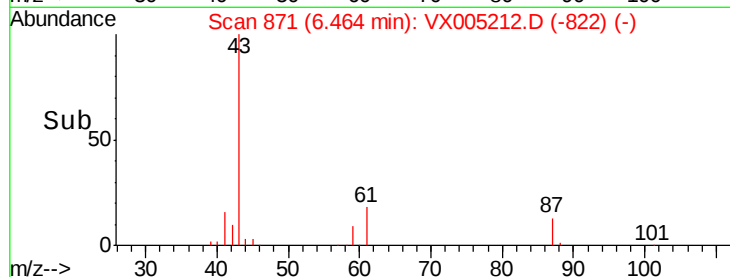
40000

20000

0

6.30 6.40 6.50 6.60 6.70

Time-->



#44

Trichloroethene

Concen: 22.424 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX005212.D

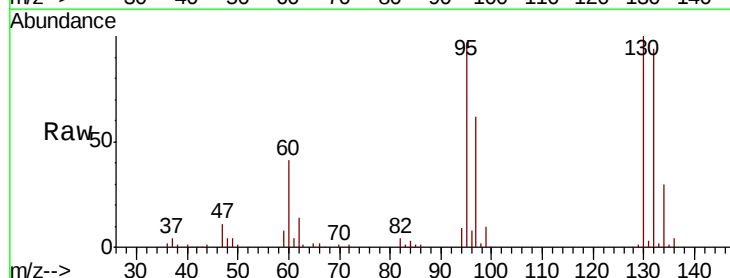
Acq: 10 Oct 2018 17:47

Tgt Ion:130 Resp: 54772

Ion Ratio Lower Upper

130 100

95 96.6 0.0 186.8



Abundance Ion 129.80 (129.50 to 130.50): VX004724.D (-983) (-)

Ion 94.90 (94.60 to 95.60): VX004724.D (-983) (-)

7.21

30000

25000

20000

15000

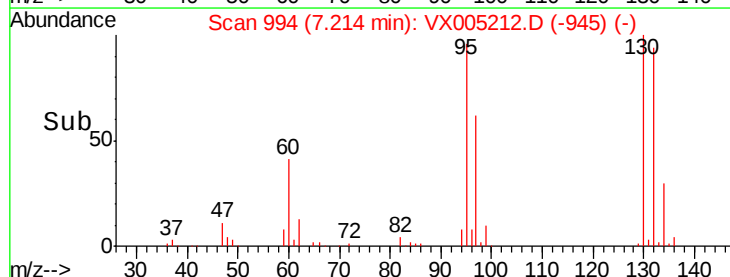
10000

5000

0

7.10 7.20 7.30

Time-->





#45

1,2-Dichloropropane

Concen: 22.495 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

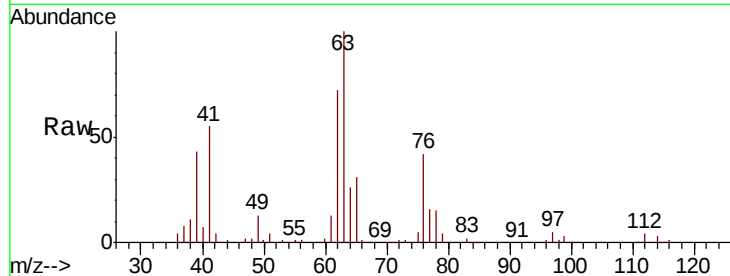
VX1010WBS02

Tot Ion: 63 Resp: 54810

Ion Ratio Lower Upper

63 100

65 31.3 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

25000

20000

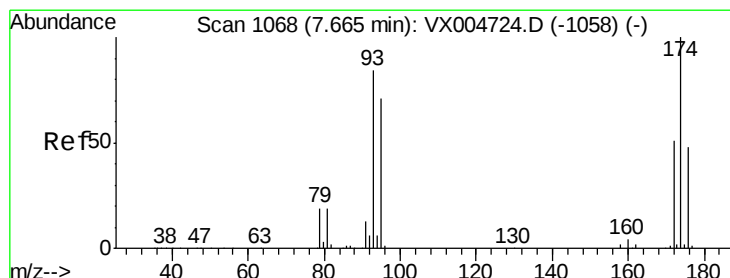
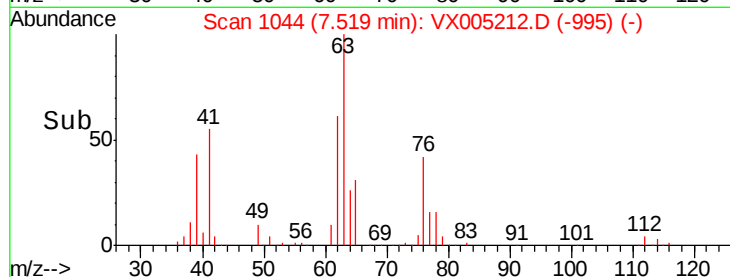
15000

10000

5000

0

Time--> 7.40 7.50 7.60



#46

Dibromomethane

Concen: 23.213 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

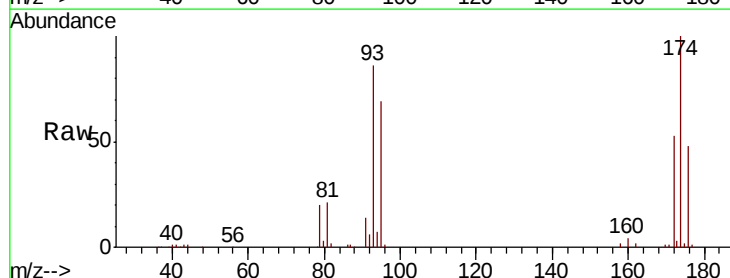
Tgt Ion: 93 Resp: 35546

Ion Ratio Lower Upper

93 100

95 84.6 66.7 100.1

174 115.9 92.7 139.1



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

25000

20000

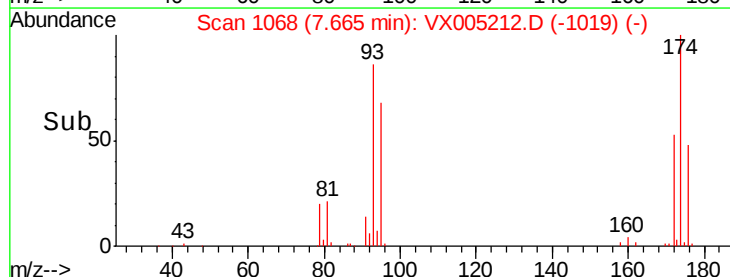
15000

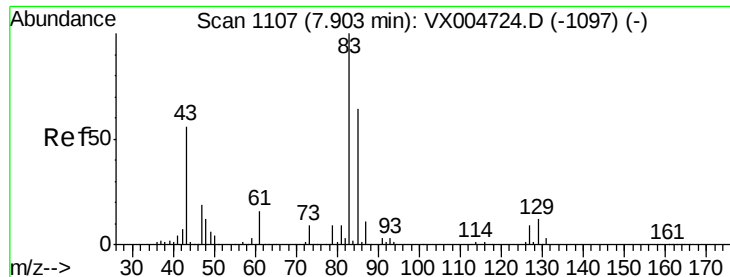
10000

5000

0

Time--> 7.55 7.60 7.65 7.70 7.75





#47

Bromodichloromethane

Concen: 23.507 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS02

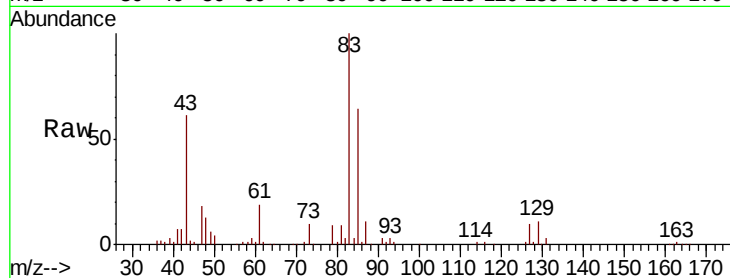
Tot Ion: 83 Resp: 67395

Ion Ratio Lower Upper

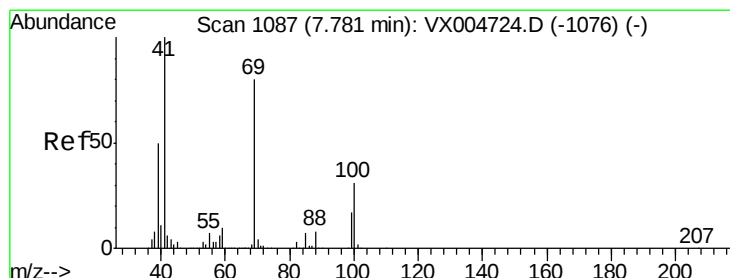
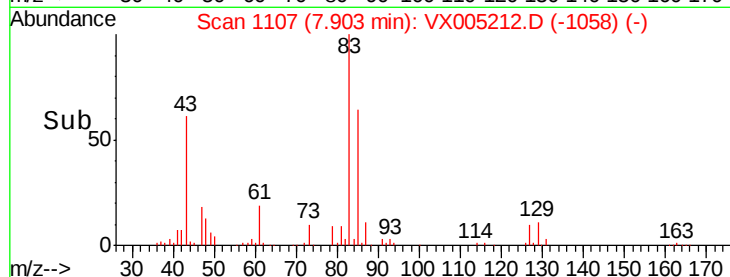
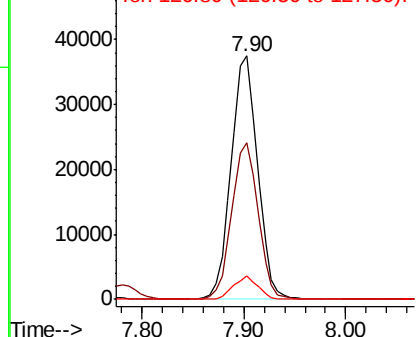
83 100

85 64.1 51.2 76.8

127 9.6 7.0 10.6



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: 24.478 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

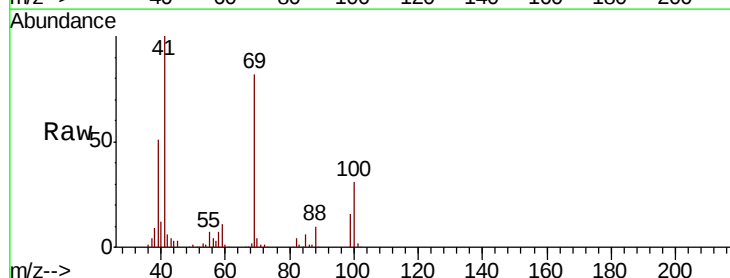
Tgt Ion: 41 Resp: 67556

Ion Ratio Lower Upper

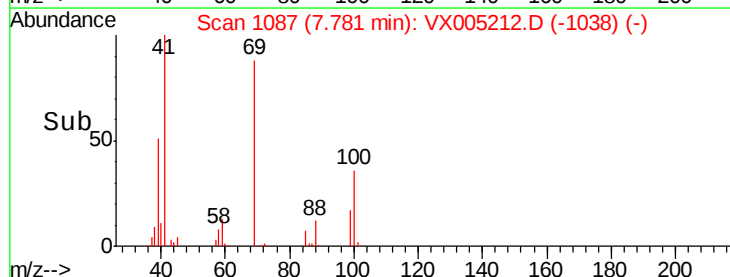
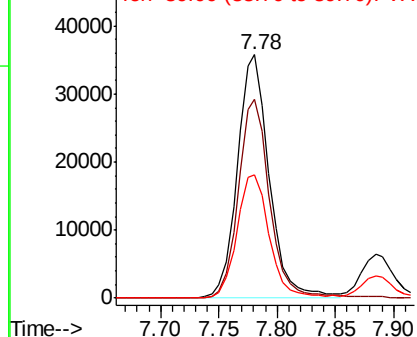
41 100

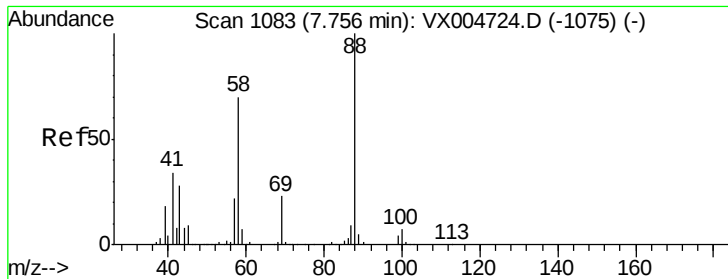
69 81.7 63.8 95.6

39 52.5 40.7 61.1



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

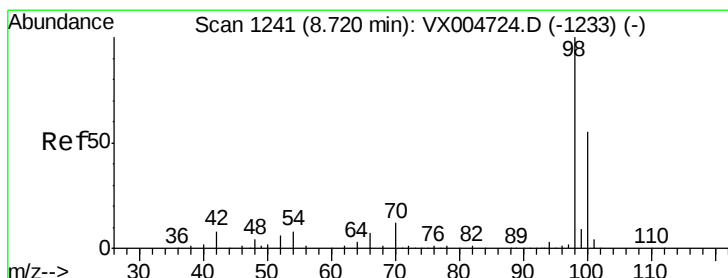
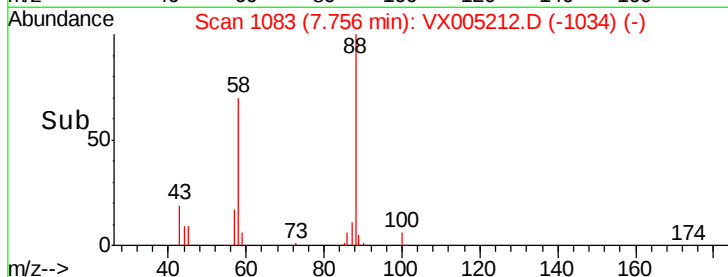
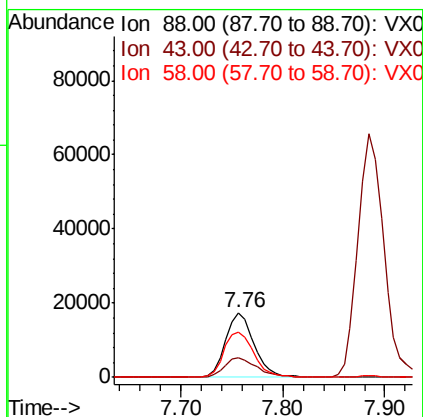
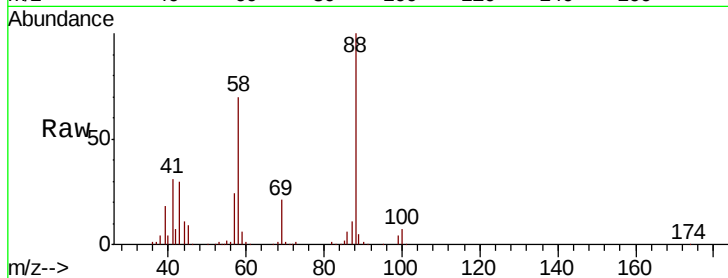




#49
 1,4-Dioxane
 Concen: 494.318 ug/l
 RT: 7.76 min Scan# 1083
 Delta R.T. 0.00 min
 Lab File: VX005212.D
 Acq: 10 Oct 2018 17:47

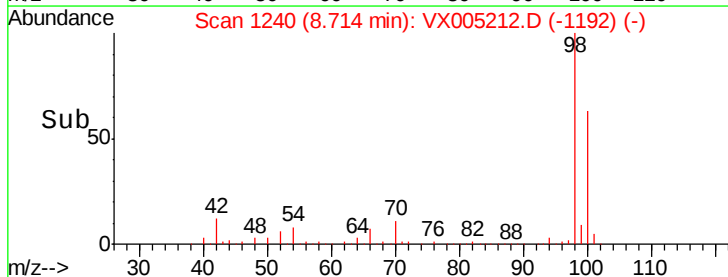
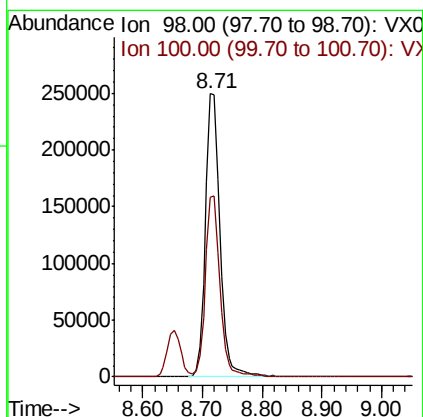
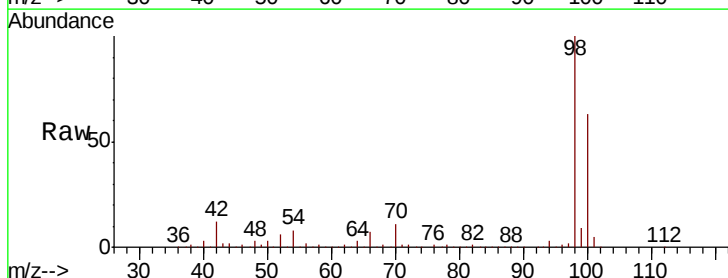
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS02

Tot Ion: 88 Resp: 33893
 Ion Ratio Lower Upper
 88 100
 43 32.8 25.1 37.7
 58 73.9 56.2 84.2



#50
 Toluene-d8
 Concen: 54.463 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VX005212.D
 Acq: 10 Oct 2018 17:47

Tgt Ion: 98 Resp: 421172
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.9 77.9

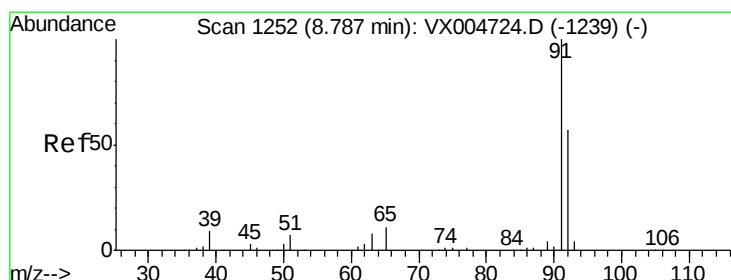
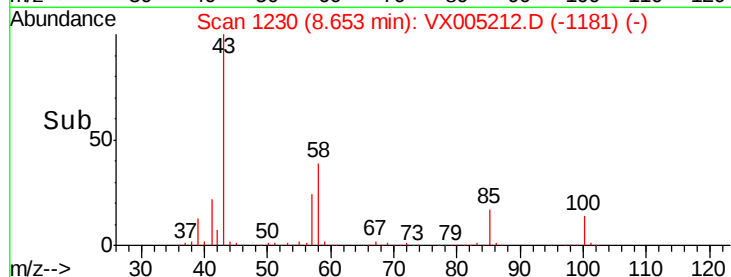
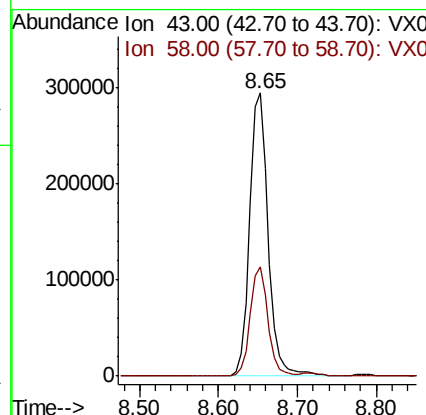
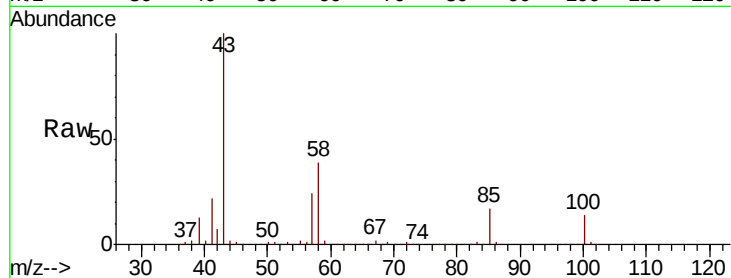




#51
 4-Methyl-2-Pentanone
 Concen: 125.381 ug/l
 RT: 8.65 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VX005212.D
 Acq: 10 Oct 2018 17:47

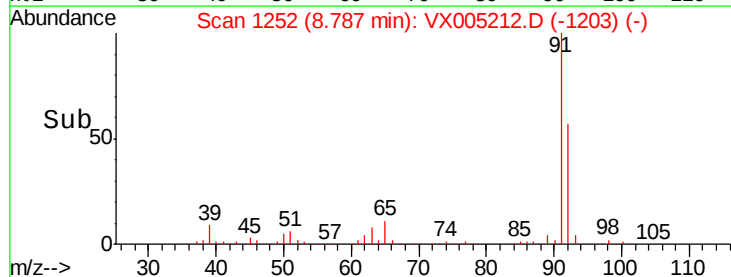
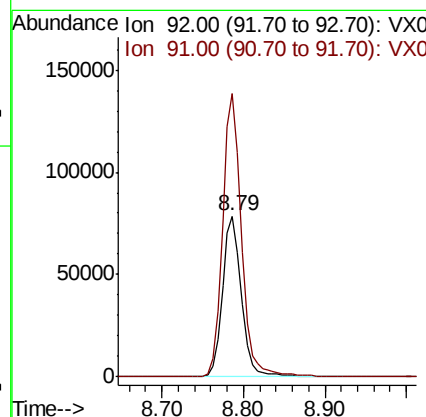
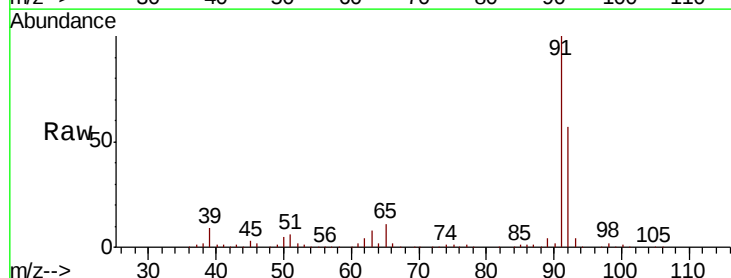
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS02

Tot Ion: 43 Resp: 480028
 Ion Ratio Lower Upper
 43 100
 58 36.9 30.5 45.7



#52
 Toluene
 Concen: 23.494 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VX005212.D
 Acq: 10 Oct 2018 17:47

Tgt Ion: 92 Resp: 128268
 Ion Ratio Lower Upper
 92 100
 91 176.0 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 22.545 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

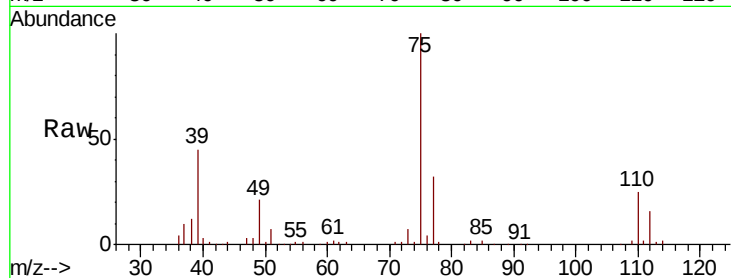
VX1010WBS02

Tot Ion: 75 Resp: 73043

Ion Ratio Lower Upper

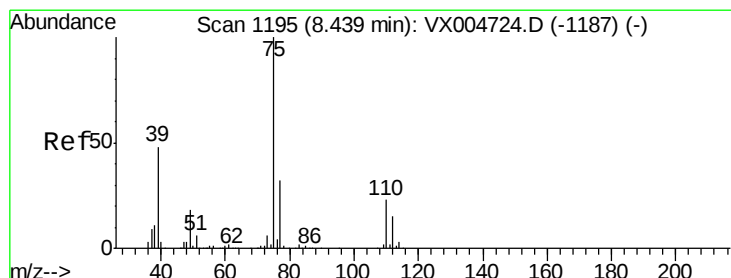
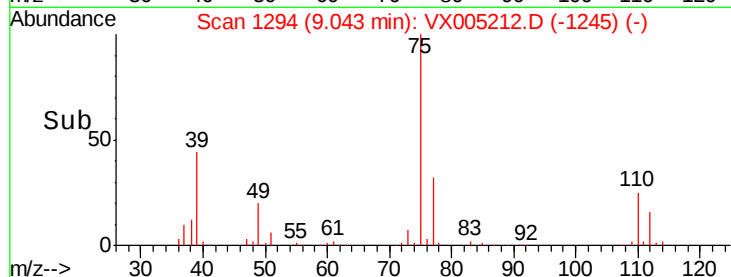
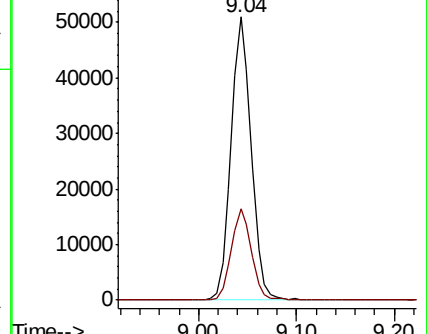
75 100

77 32.1 28.9 43.3



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: 24.022 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

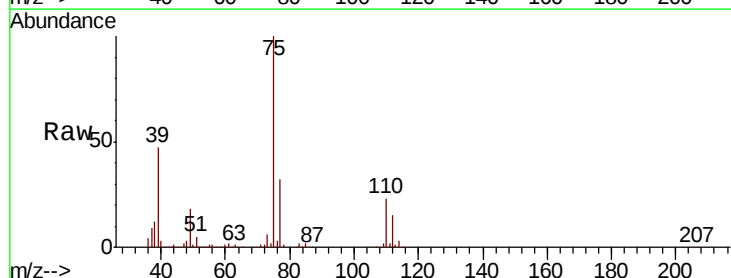
Tgt Ion: 75 Resp: 81519

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5

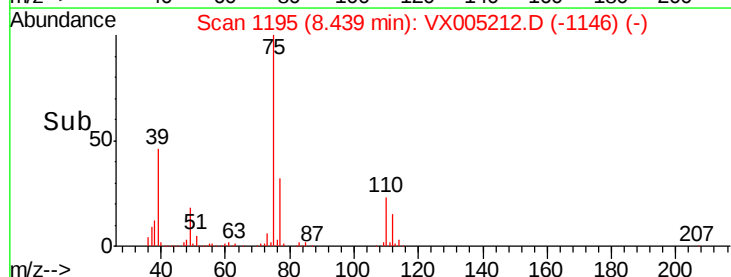
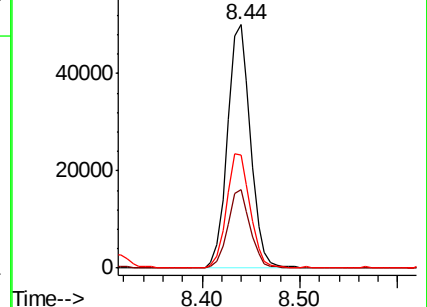
39 46.5 38.3 57.5



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

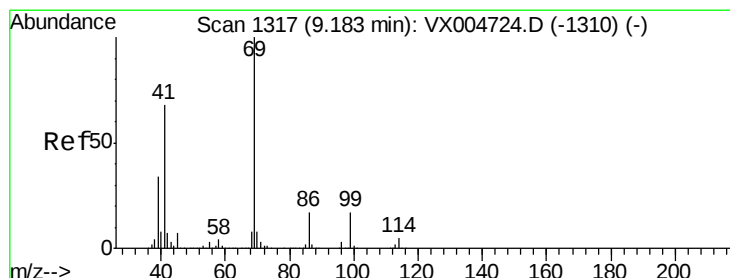
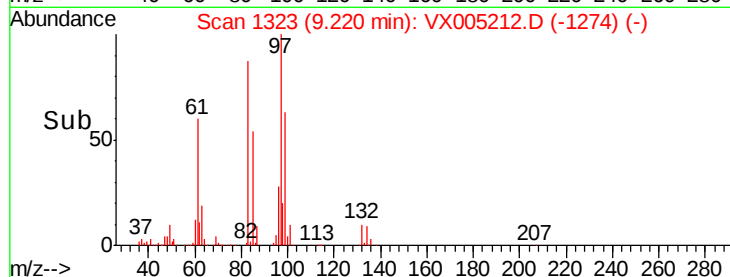
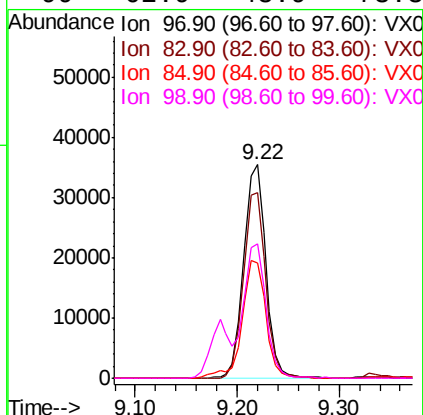
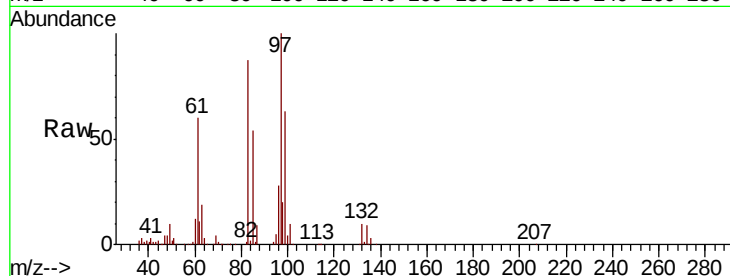




#55
 1,1,2-Trichloroethane
 Concen: 22.456 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX005212.D
 Acq: 10 Oct 2018 17:47

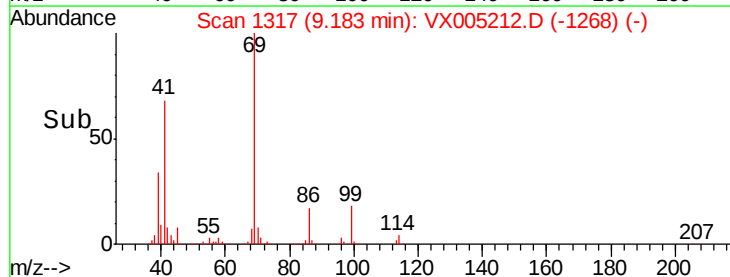
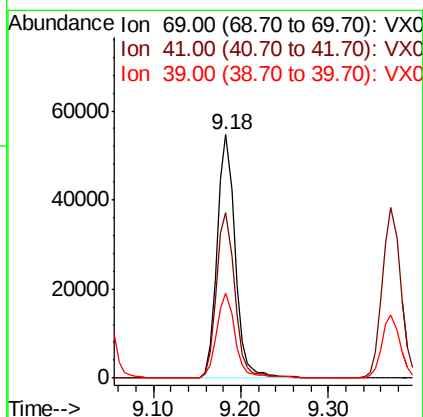
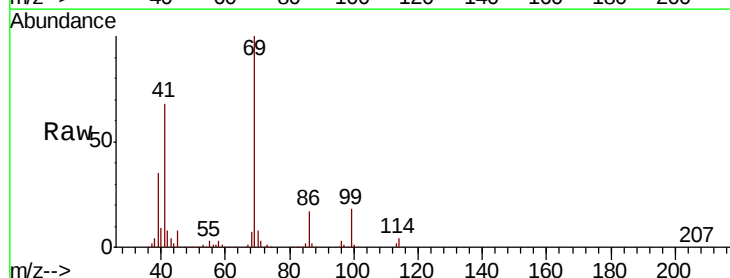
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS02

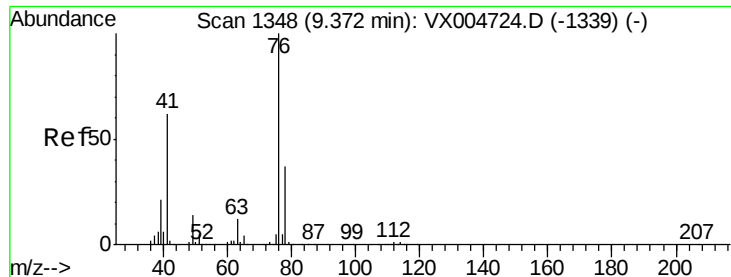
Tot Ion: 97 Resp: 53703
 Ion Ratio Lower Upper
 97 100
 83 86.8 68.2 102.2
 85 54.0 49.9 74.9
 99 62.9 48.9 73.3



#56
 Ethyl methacrylate
 Concen: 21.773 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005212.D
 Acq: 10 Oct 2018 17:47

Tgt Ion: 69 Resp: 77842
 Ion Ratio Lower Upper
 69 100
 41 69.8 56.9 85.3
 39 35.0 28.4 42.6





#57

1,3-Dichloropropane

Concen: 22.588 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

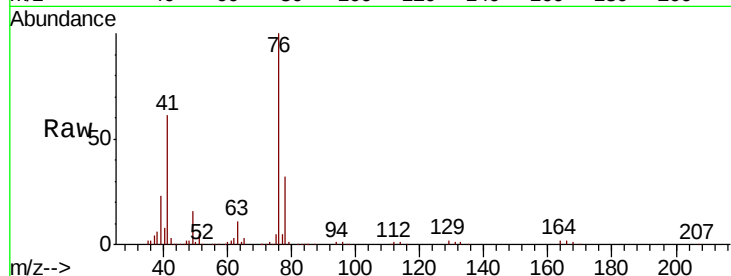
VX1010WBS02

Tot Ion: 76 Resp: 89903

Ion Ratio Lower Upper

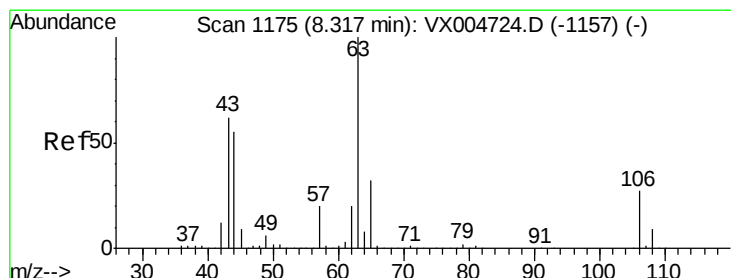
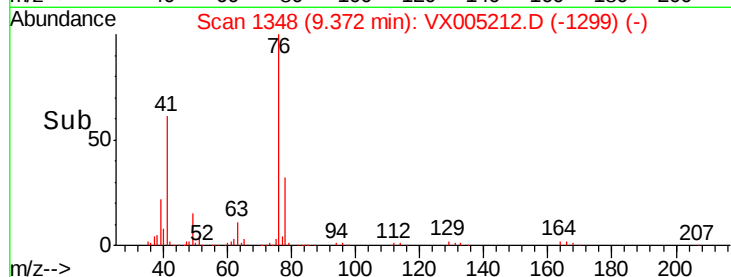
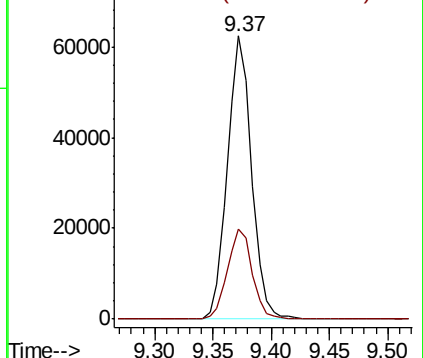
76 100

78 32.8 26.6 40.0



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: 107.049 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX005212.D

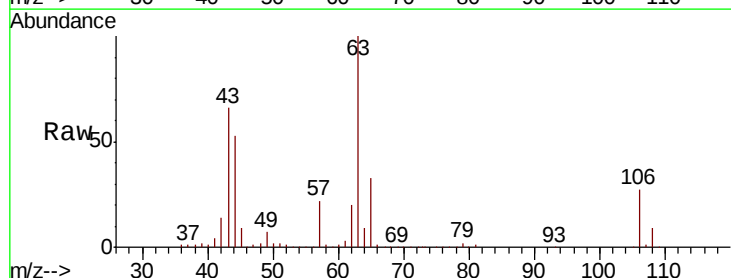
Acq: 10 Oct 2018 17:47

Tgt Ion: 63 Resp: 202791

Ion Ratio Lower Upper

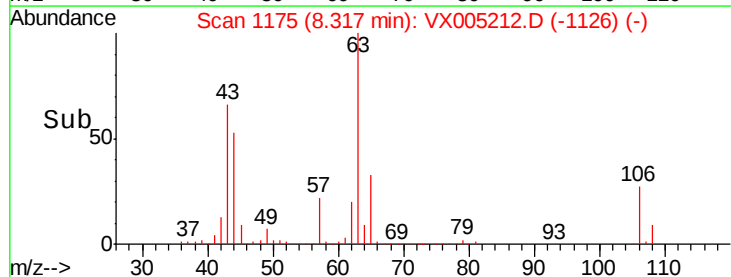
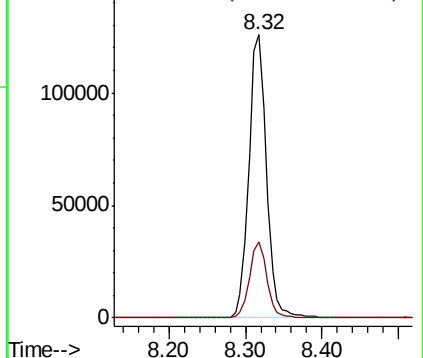
63 100

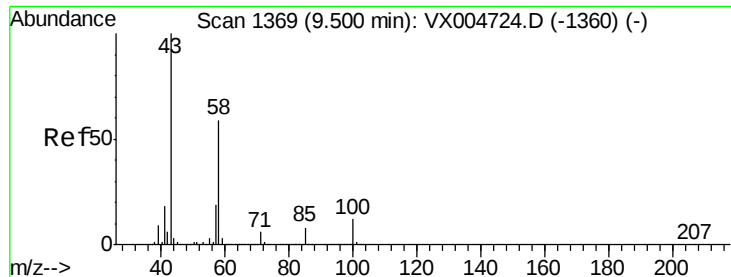
106 26.5 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

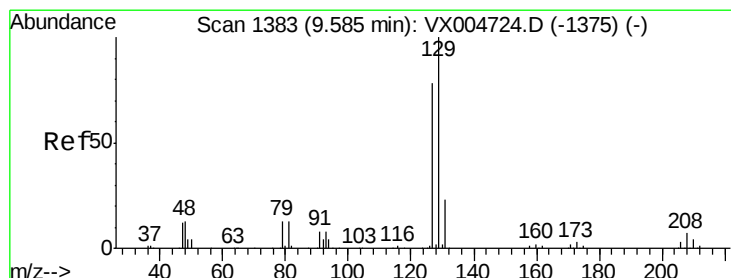
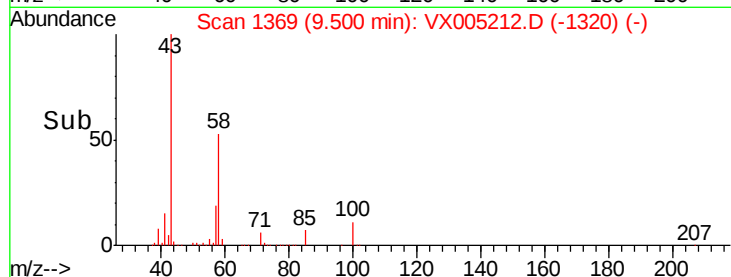
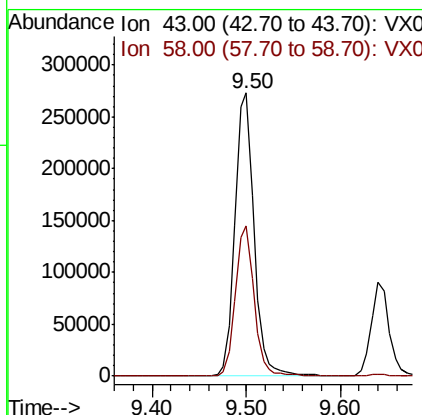
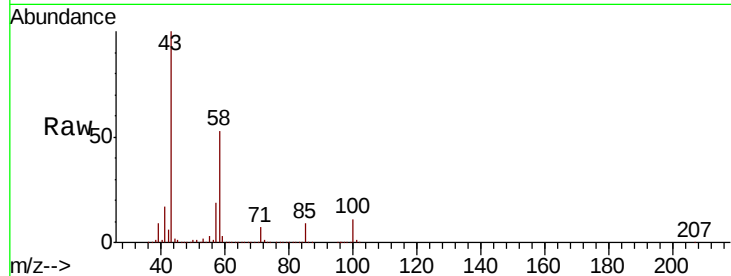




#59
2-Hexanone
Concen: 120.441 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005212.D
Acq: 10 Oct 2018 17:47

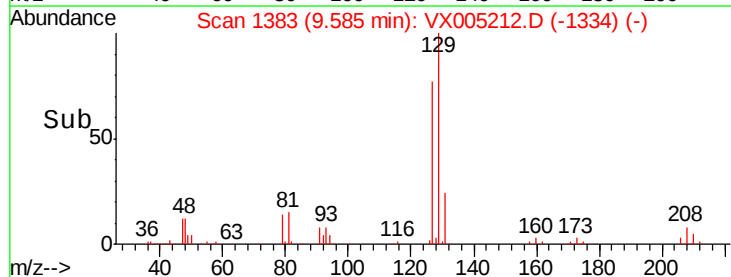
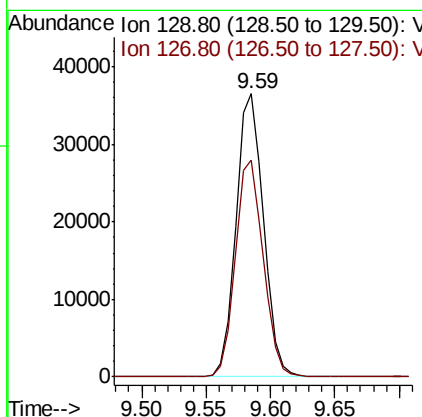
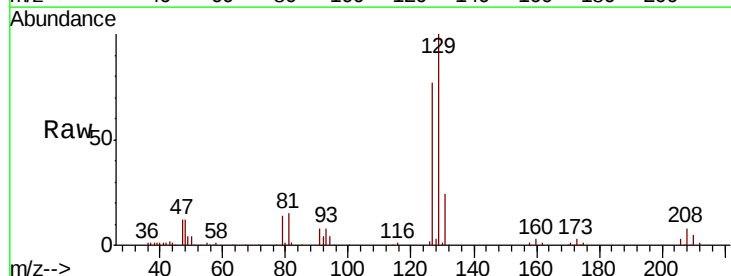
Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS02

Tot Ion: 43 Resp: 384256
Ion Ratio Lower Upper
43 100
58 52.5 28.4 85.3



#60
Dibromochloromethane
Concen: 22.561 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005212.D
Acq: 10 Oct 2018 17:47

Tgt Ion: 129 Resp: 53959
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 22.103 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

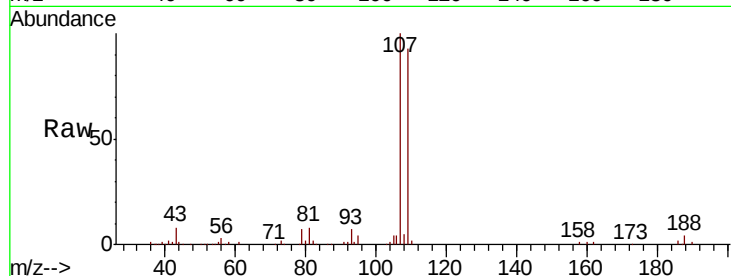
VX1010WBS02

Tot Ion:107 Resp: 56608

Ion Ratio Lower Upper

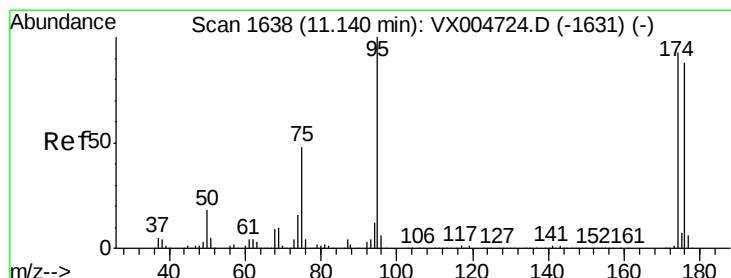
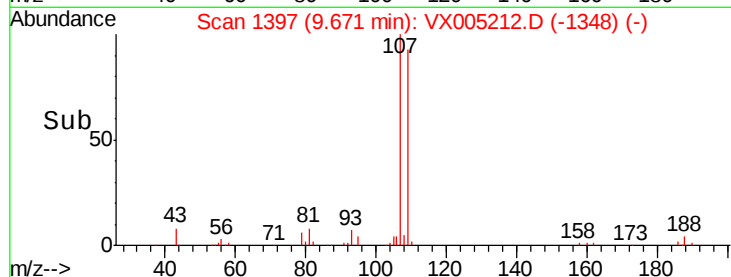
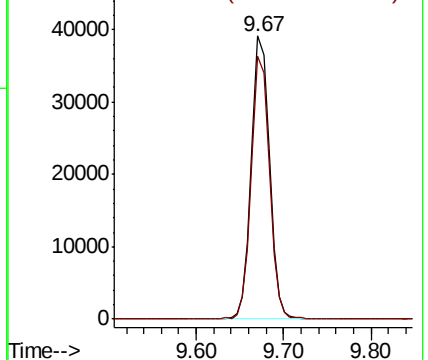
107 100

109 92.7 72.1 108.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 56.095 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

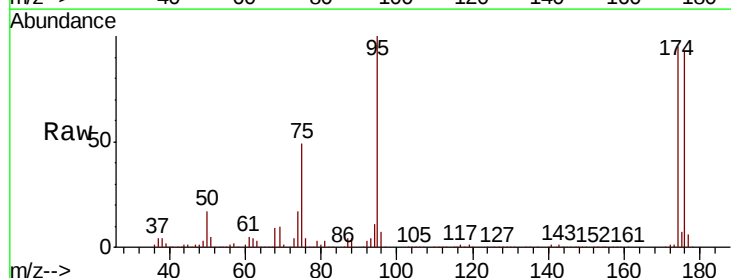
Tgt Ion: 95 Resp: 156275

Ion Ratio Lower Upper

95 100

174 91.7 0.0 185.0

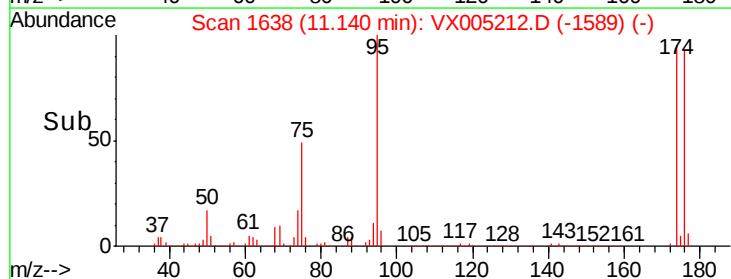
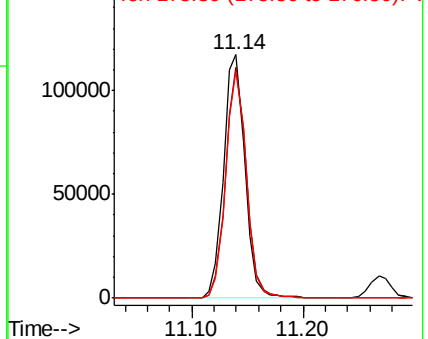
176 90.0 0.0 180.2

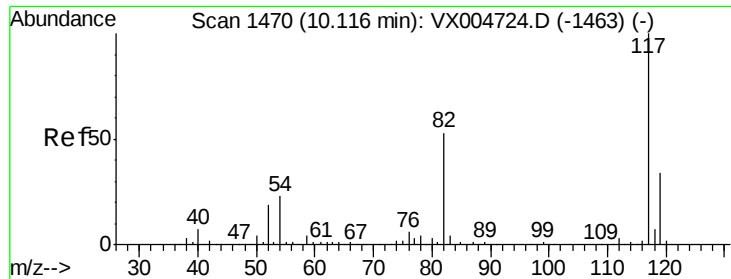


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

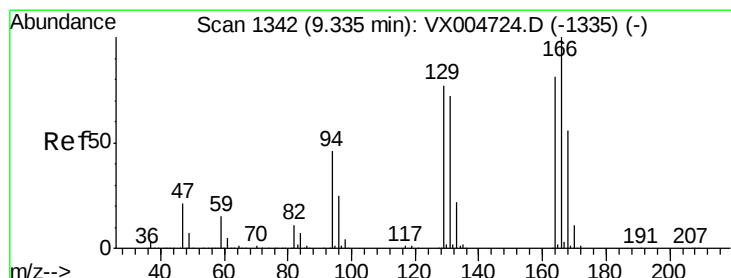
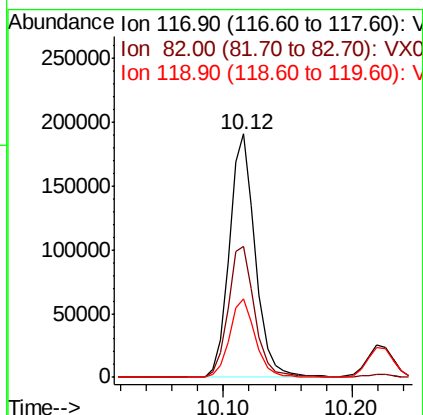
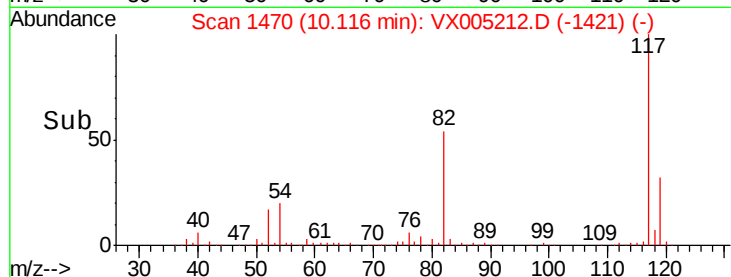
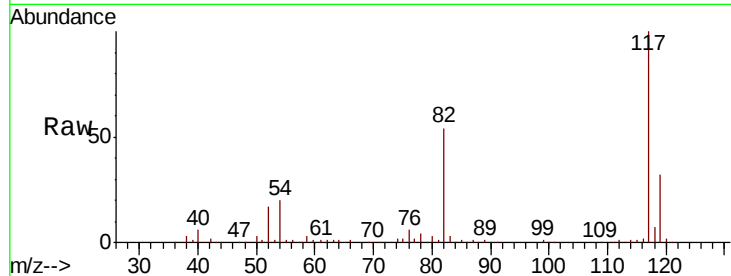




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005212.D
Acq: 10 Oct 2018 17:47

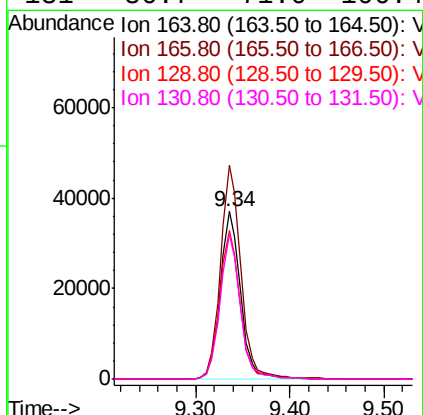
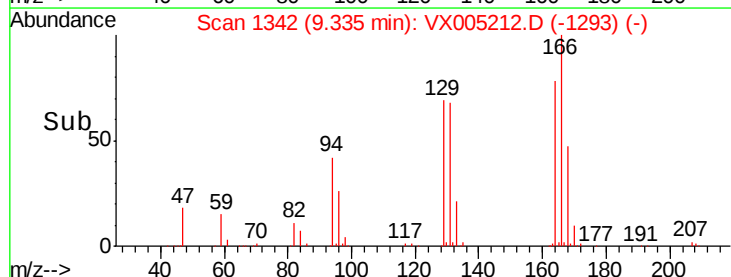
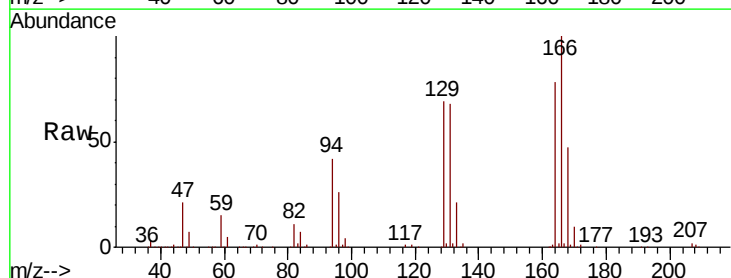
Instrument :
MSVOA_X
ClientSampled :
VX1010WBS02

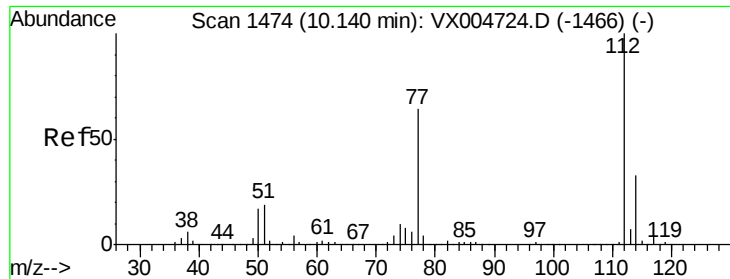
Tot Ion:117 Resp: 269431
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.4
119 32.3 27.4 41.0



#64
Tetrachloroethene
Concen: 20.940 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005212.D
Acq: 10 Oct 2018 17:47

Tgt Ion:164 Resp: 55528
Ion Ratio Lower Upper
164 100
166 127.5 98.4 147.6
129 88.4 76.1 114.1
131 86.7 71.0 106.4

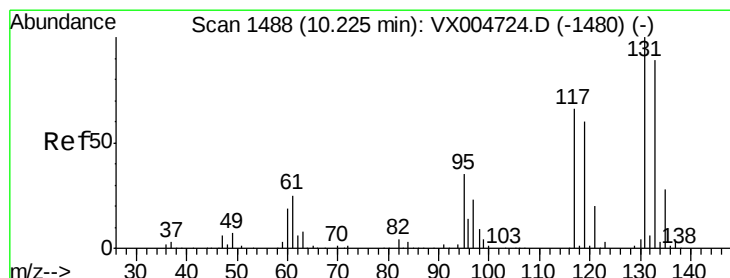
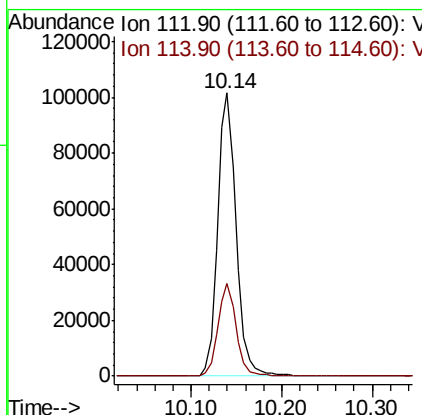
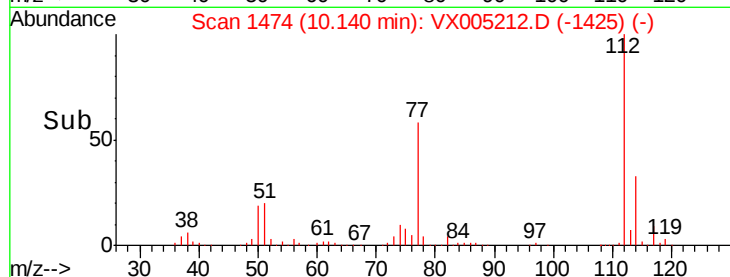
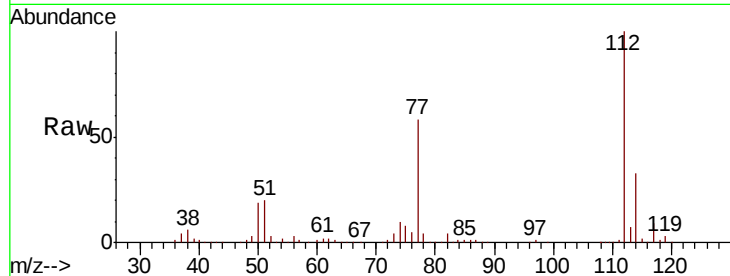




#65
Chlorobenzene
Concen: 20.961 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005212.D
Acq: 10 Oct 2018 17:47

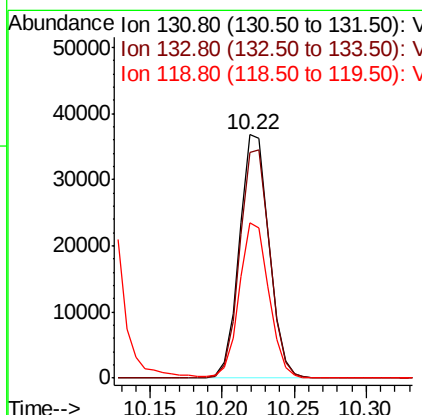
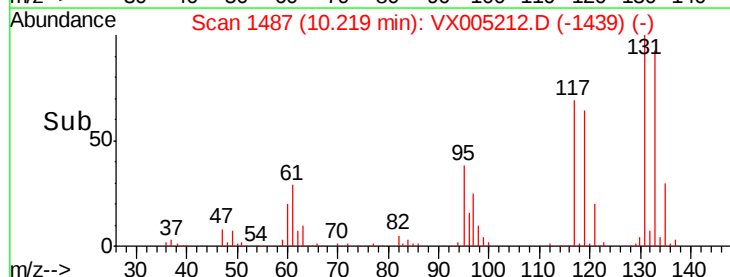
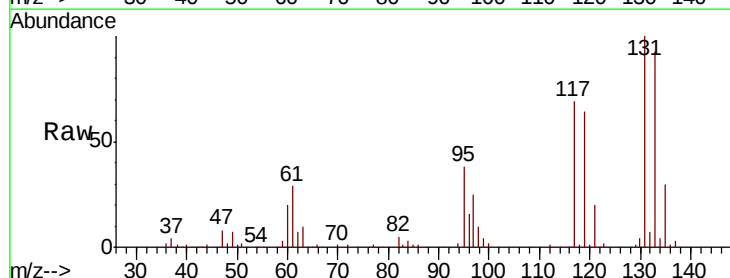
Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS02

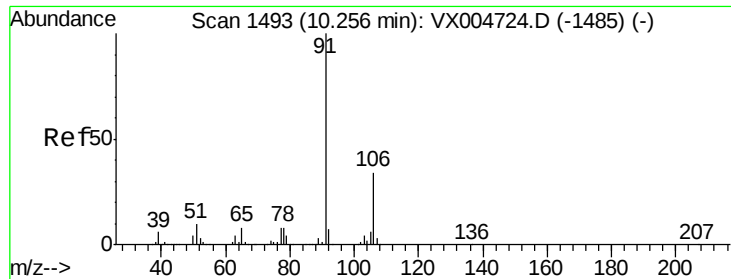
Tot Ion:112 Resp: 144816
Ion Ratio Lower Upper
112 100
114 32.9 26.7 40.1



#66
1,1,1,2-Tetrachloroethane
Concen: 21.684 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005212.D
Acq: 10 Oct 2018 17:47

Tgt Ion:131 Resp: 52669
Ion Ratio Lower Upper
131 100
133 94.4 48.4 145.0
119 63.7 32.3 96.8

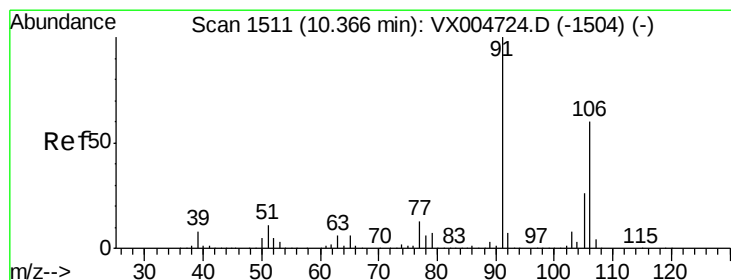
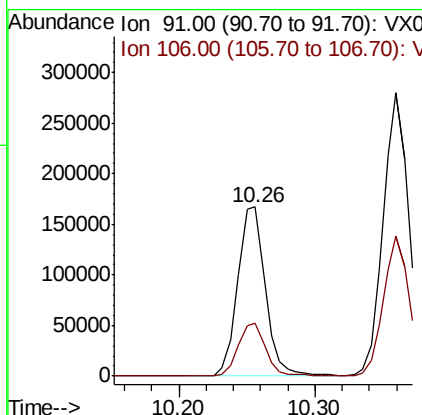
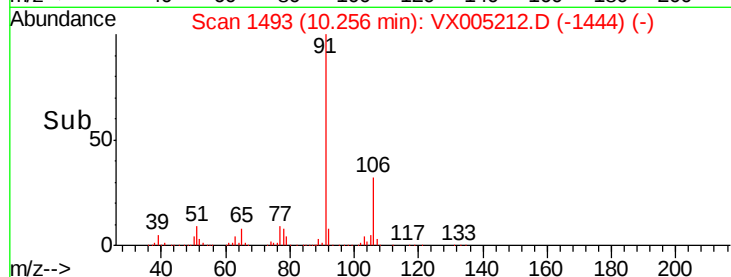
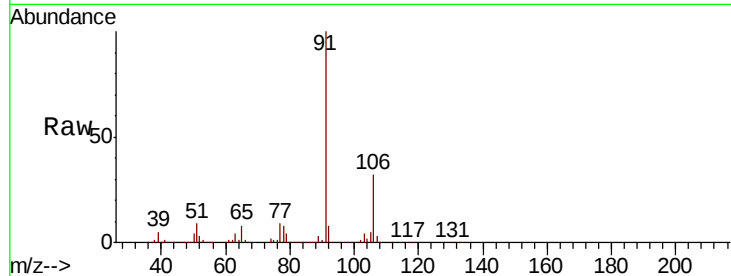




#67
Ethyl Benzene
Concen: 21.648 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX005212.D
Acq: 10 Oct 2018 17:47

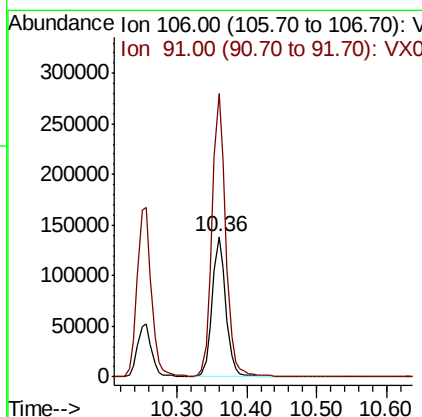
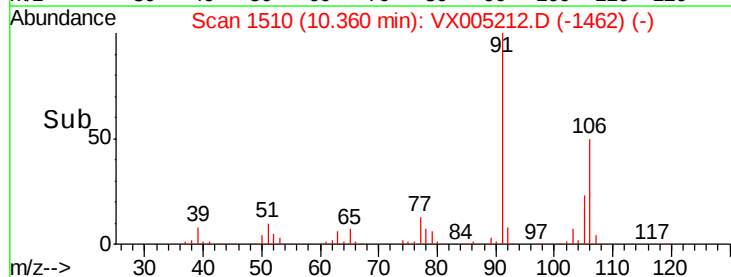
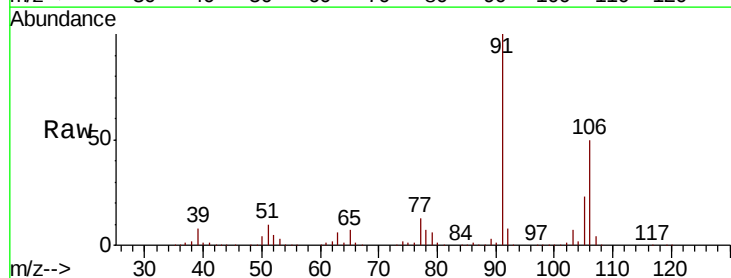
Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS02

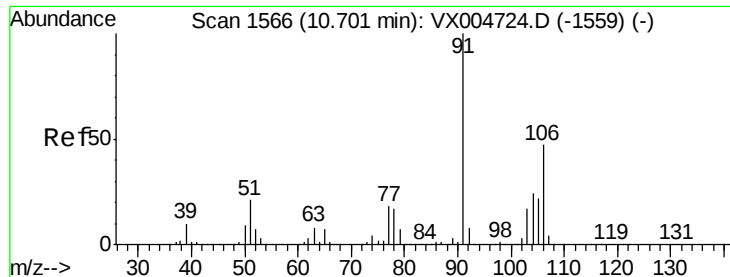
Tot Ion: 91 Resp: 237453
Ion Ratio Lower Upper
91 100
106 31.7 26.9 40.3



#68
m/p-Xylenes
Concen: 44.255 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005212.D
Acq: 10 Oct 2018 17:47

Tgt Ion: 106 Resp: 189690
Ion Ratio Lower Upper
106 100
91 202.2 157.5 236.3

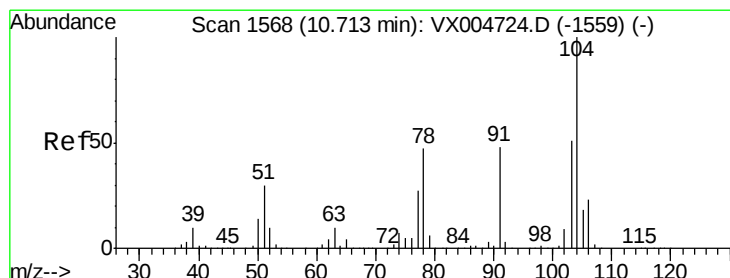
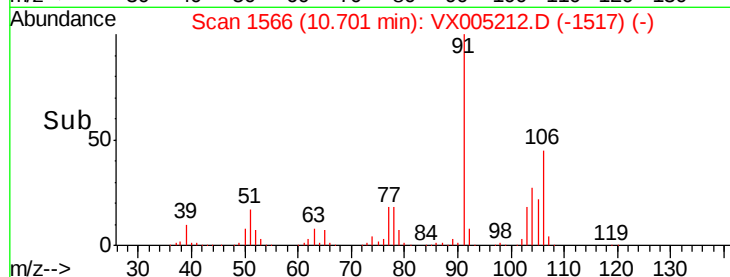
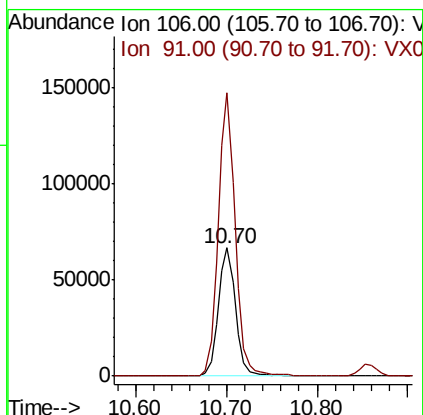
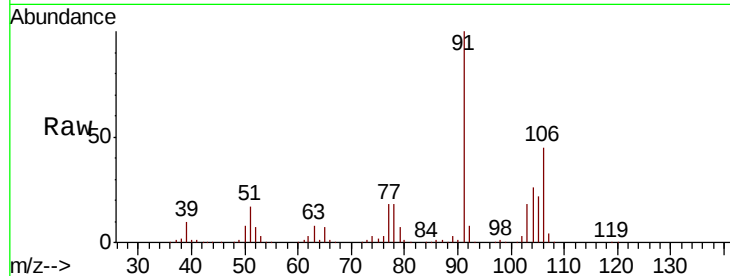




#69
o-Xylene
Concen: 22.666 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005212.D
Acq: 10 Oct 2018 17:47

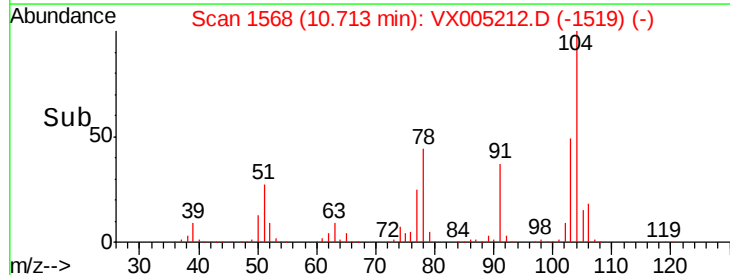
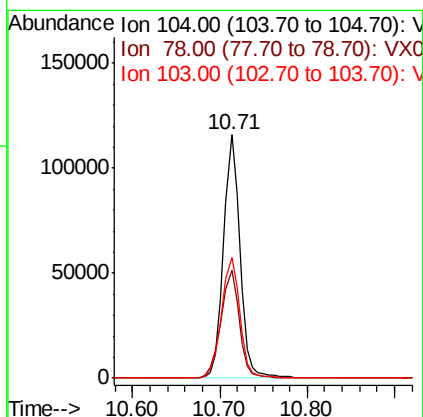
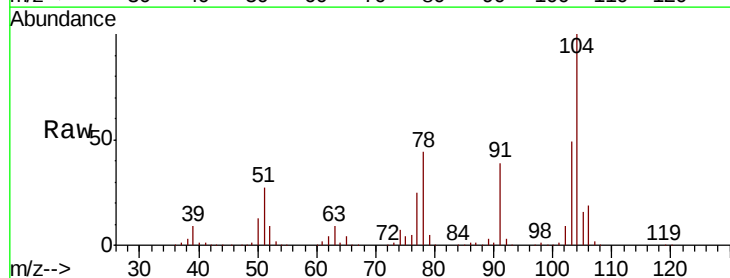
Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS02

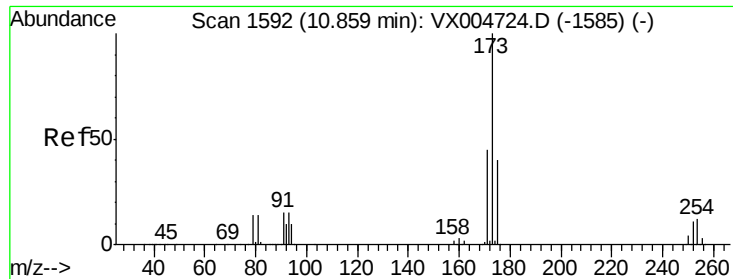
Tot Ion:106 Resp: 89237
Ion Ratio Lower Upper
106 100
91 215.9 108.3 324.8



#70
Styrene
Concen: 21.736 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005212.D
Acq: 10 Oct 2018 17:47

Tgt Ion:104 Resp: 150743
Ion Ratio Lower Upper
104 100
78 49.9 40.0 60.0
103 55.1 44.3 66.5





#71

Bromoform

Concen: 21.354 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS02

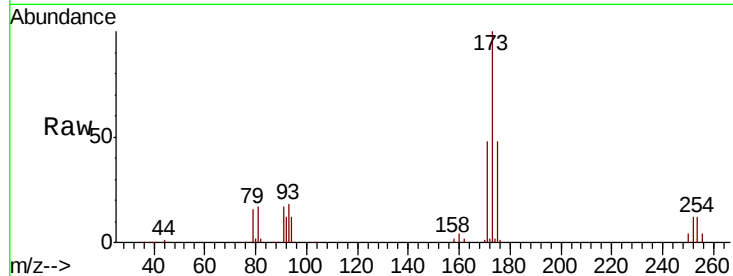
Tot Ion:173 Resp: 44405

Ion Ratio Lower Upper

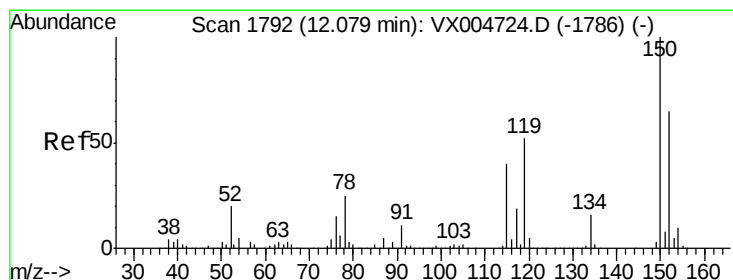
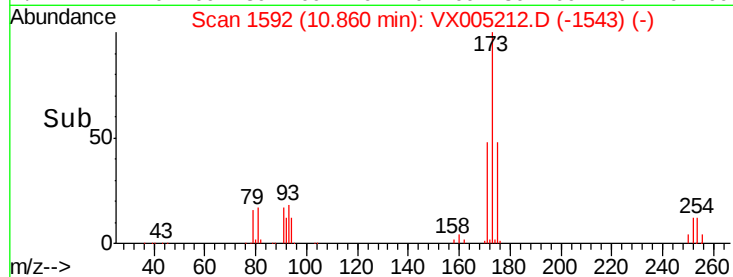
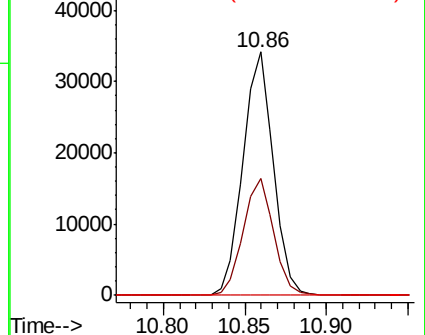
173 100

175 48.1 23.3 69.8

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

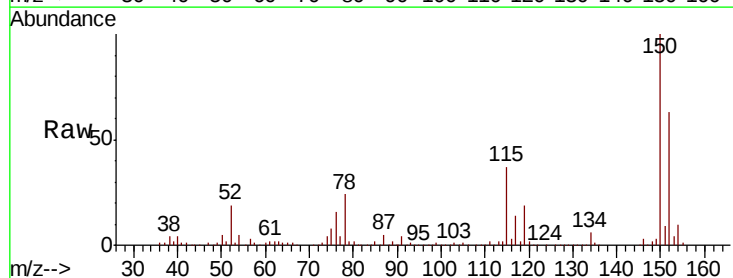
Tgt Ion:152 Resp: 159842

Ion Ratio Lower Upper

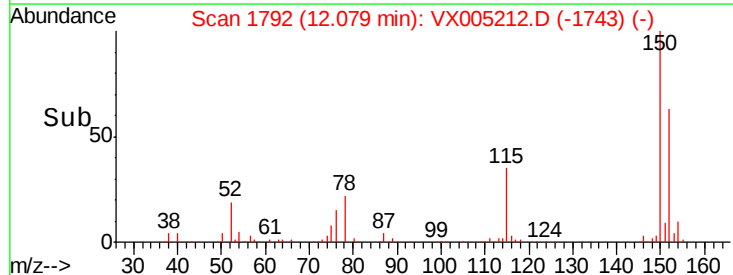
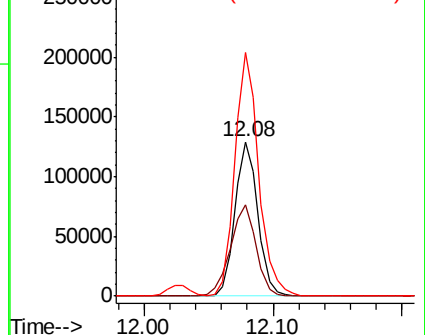
152 100

115 66.9 40.2 120.6

150 164.8 0.0 351.0



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: 24.195 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

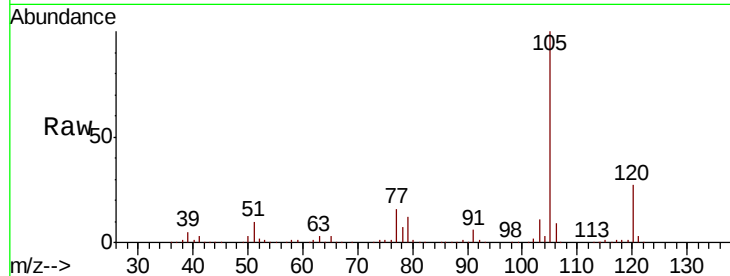
VX1010WBS02

Tot Ion: 105 Resp: 243771

Ion Ratio Lower Upper

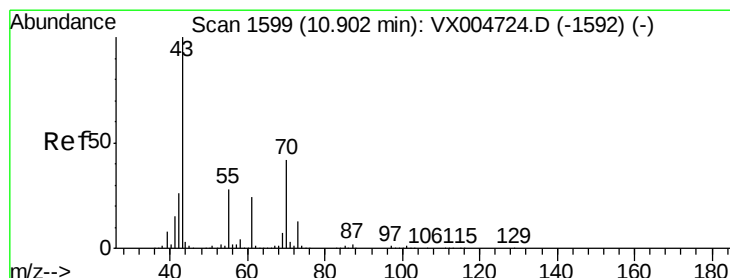
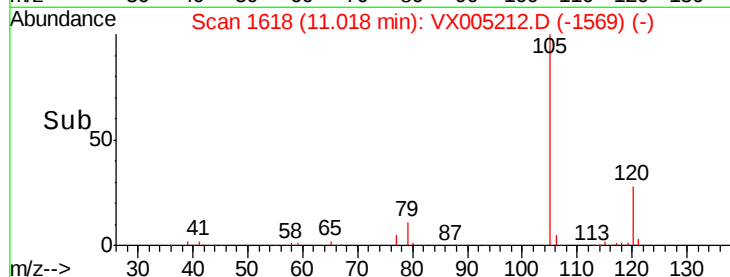
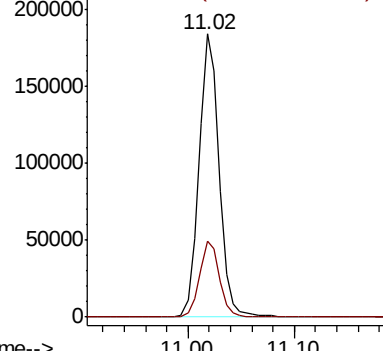
105 100

120 26.8 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.477 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Tgt Ion: 43 Resp: 113211

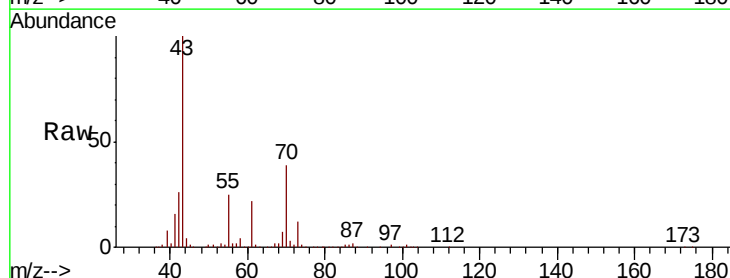
Ion Ratio Lower Upper

43 100

70 39.8 32.6 48.8

55 25.9 21.6 32.4

61 23.1 19.1 28.7

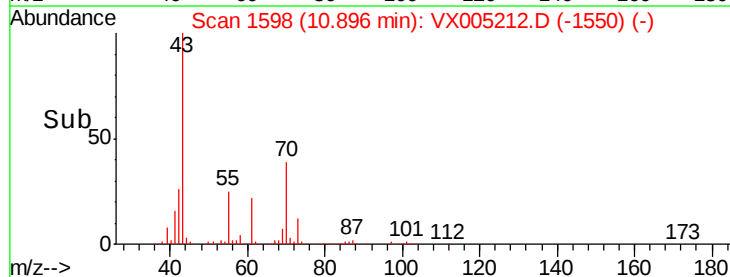
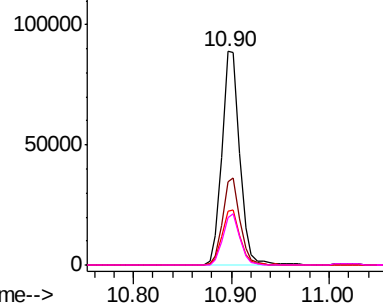


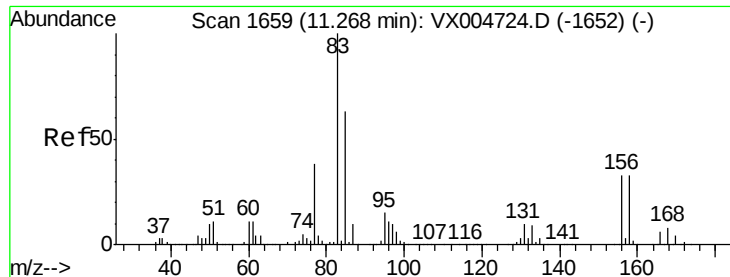
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.711 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS02

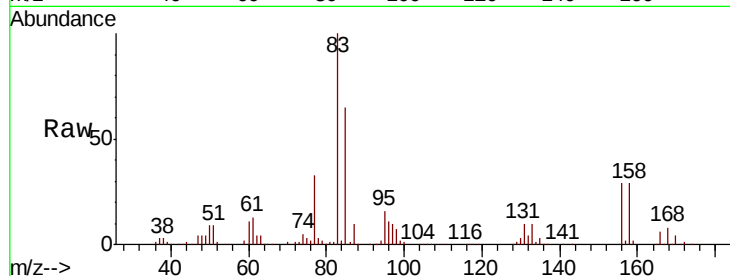
Tot Ion: 83 Resp: 89041

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.3

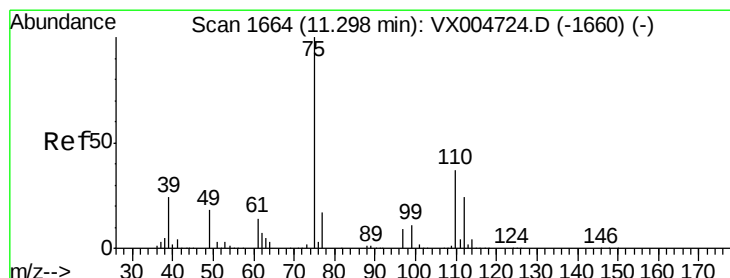
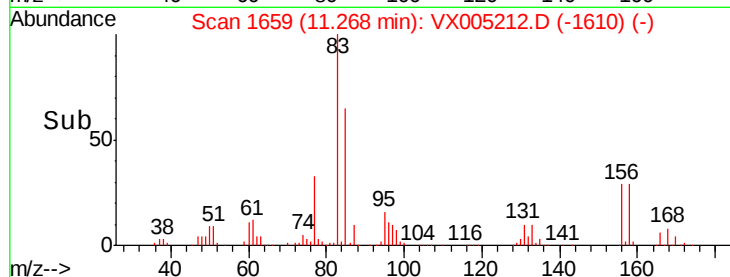
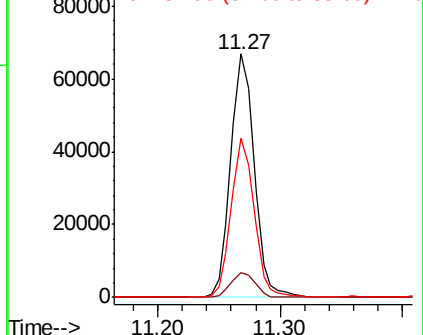
85 64.2 31.9 95.9



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: 28.171 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005212.D

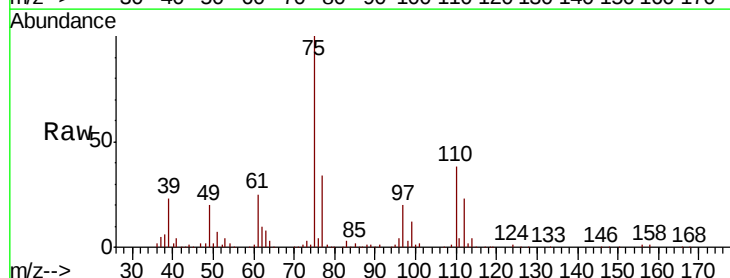
Acq: 10 Oct 2018 17:47

Tgt Ion: 75 Resp: 100925

Ion Ratio Lower Upper

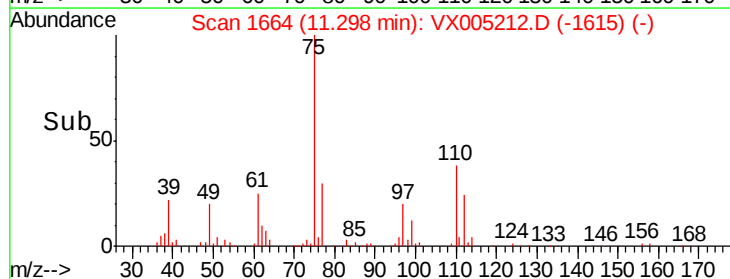
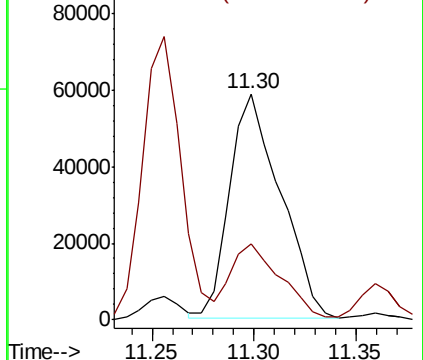
75 100

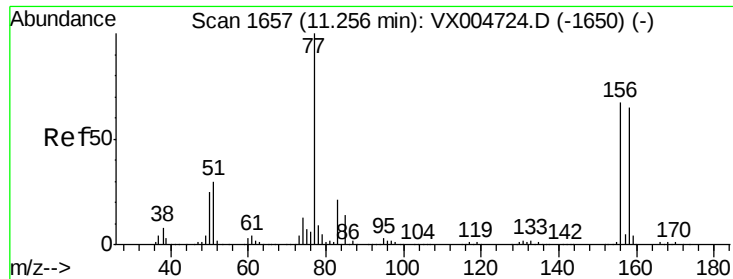
77 33.0 21.4 64.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 22.711 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS02

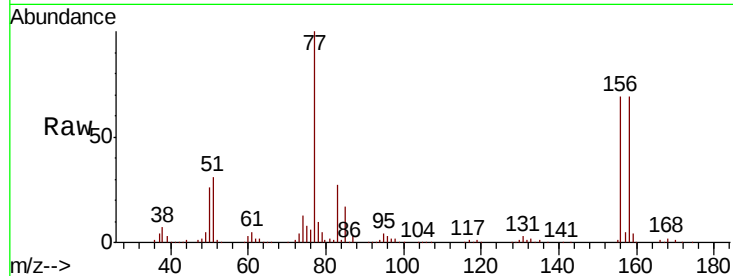
Tot Ion:156 Resp: 66461

Ion Ratio Lower Upper

156 100

77 146.1 73.4 220.2

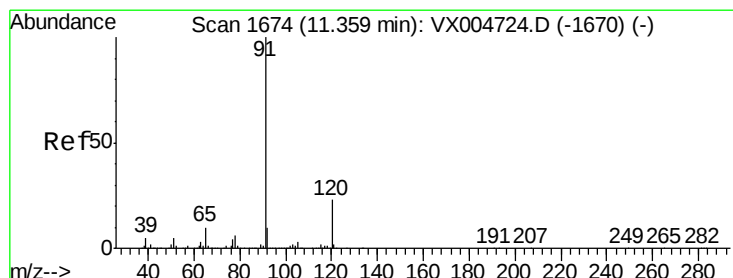
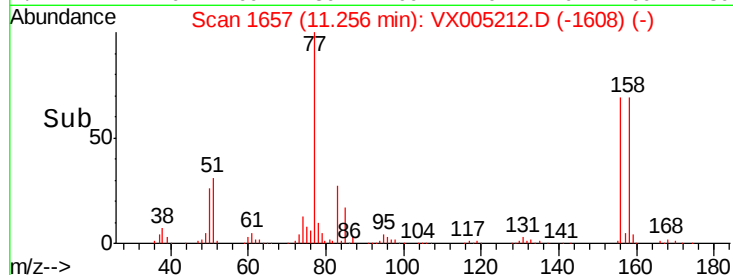
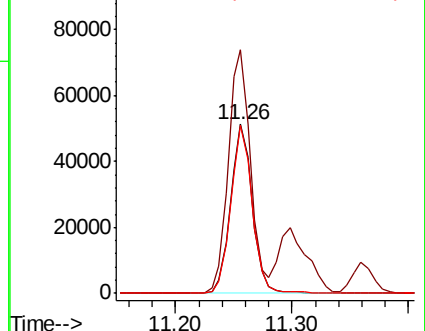
158 98.0 49.1 147.4



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: 24.307 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005212.D

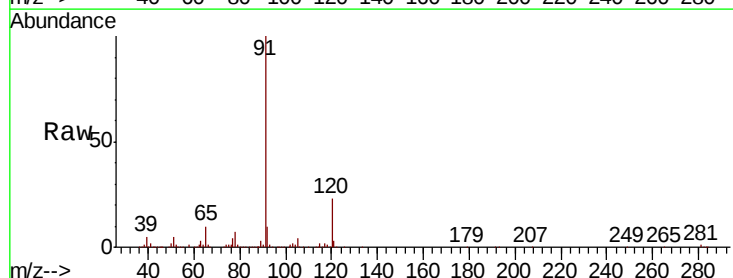
Acq: 10 Oct 2018 17:47

Tgt Ion: 91 Resp: 280982

Ion Ratio Lower Upper

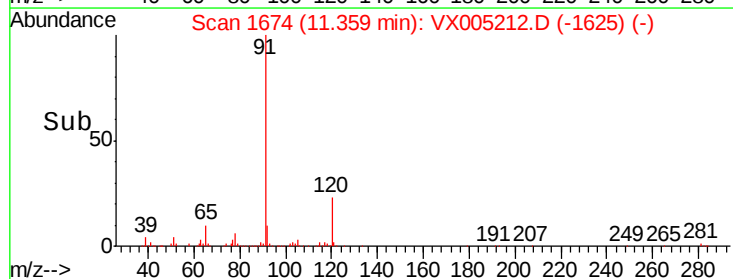
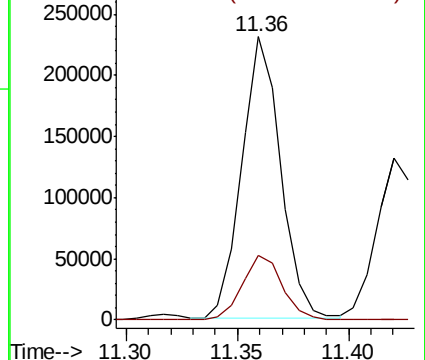
91 100

120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.640 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampled :

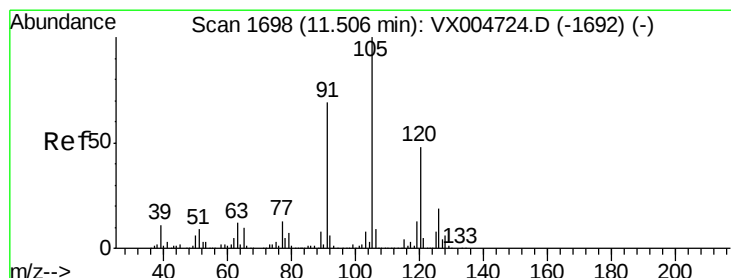
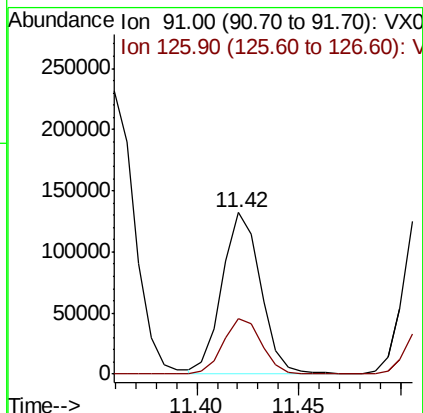
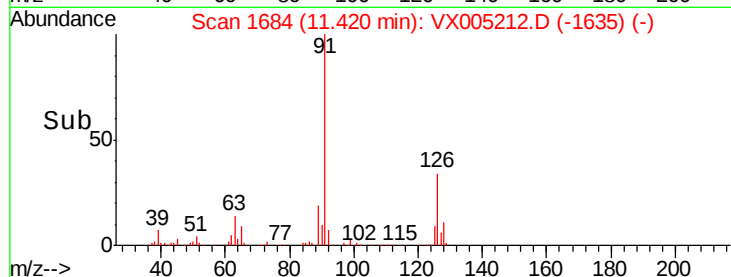
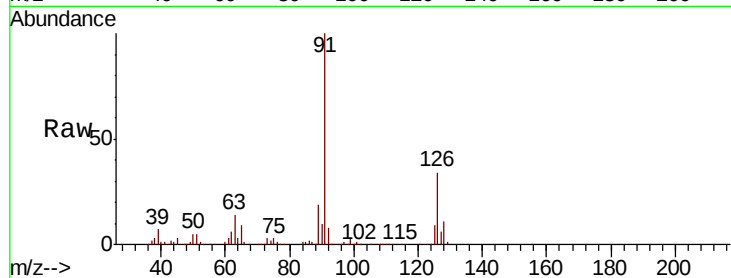
VX1010WBS02

Tot Ion: 91 Resp: 170341

Ion Ratio Lower Upper

91 100

126 35.2 17.6 52.9



#80

1,3,5-Trimethylbenzene

Concen: 22.363 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005212.D

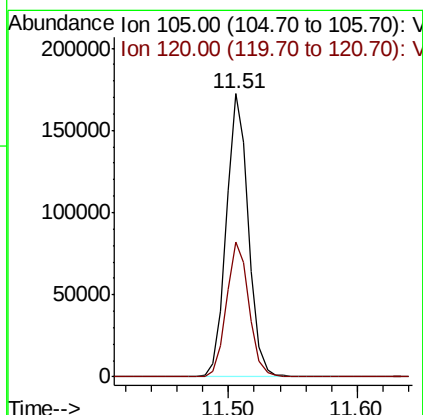
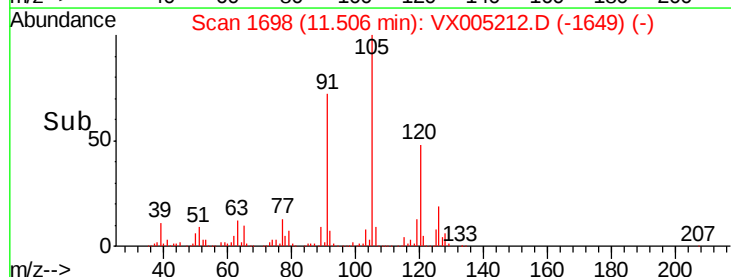
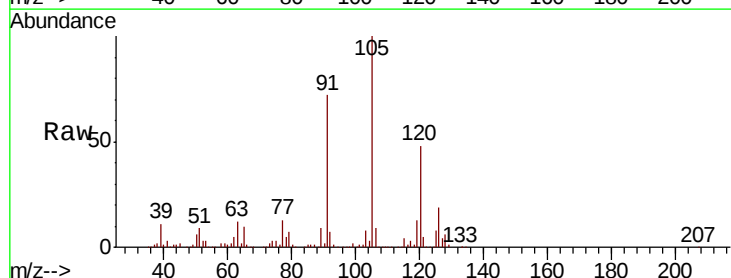
Acq: 10 Oct 2018 17:47

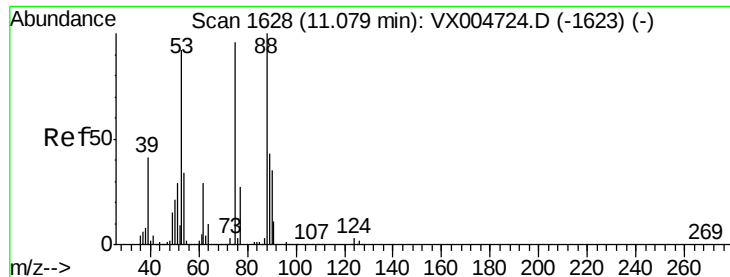
Tgt Ion: 105 Resp: 207510

Ion Ratio Lower Upper

105 100

120 48.5 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.710 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS02

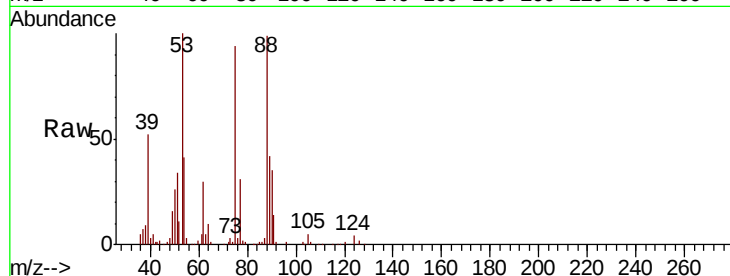
Tot Ion: 75 Resp: 24243

Ion Ratio Lower Upper

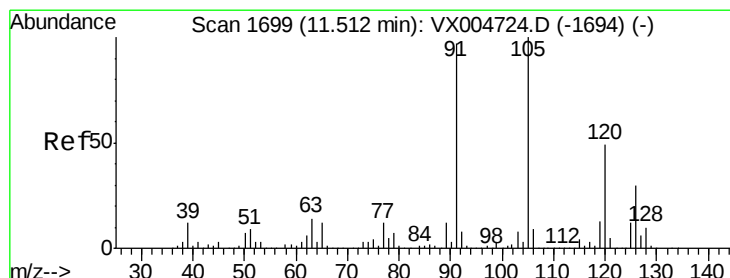
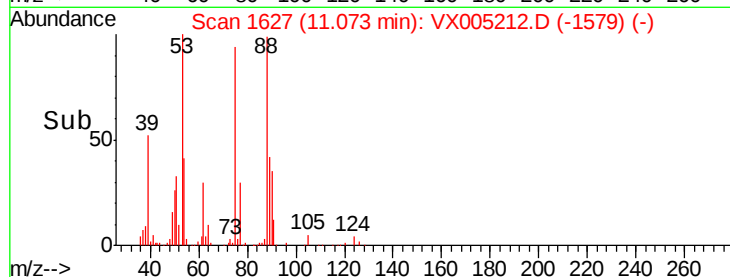
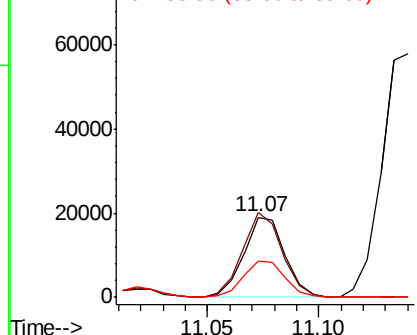
75 100

53 102.4 80.2 120.4

89 46.9 37.1 55.7



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



#82

4-Chlorotoluene

Concen: 23.546 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005212.D

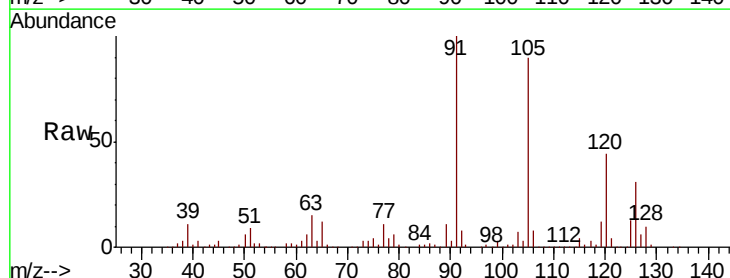
Acq: 10 Oct 2018 17:47

Tgt Ion: 91 Resp: 199702

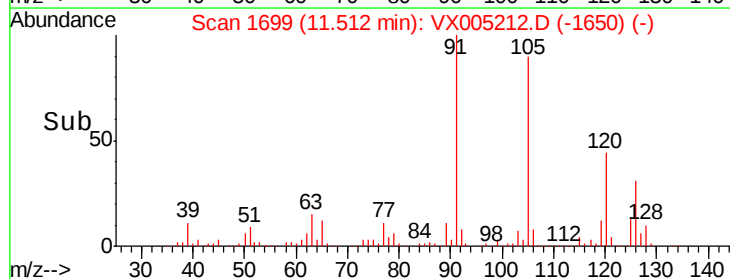
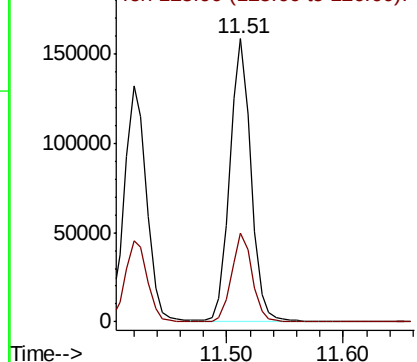
Ion Ratio Lower Upper

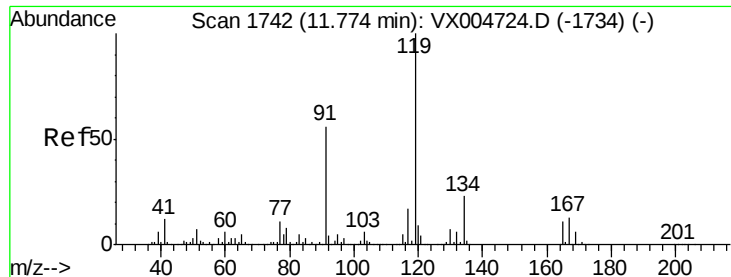
91 100

126 30.6 15.5 46.5



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

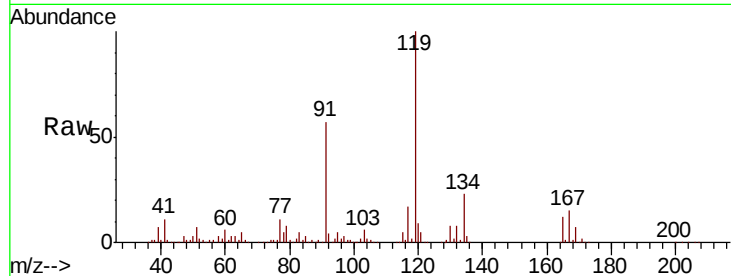




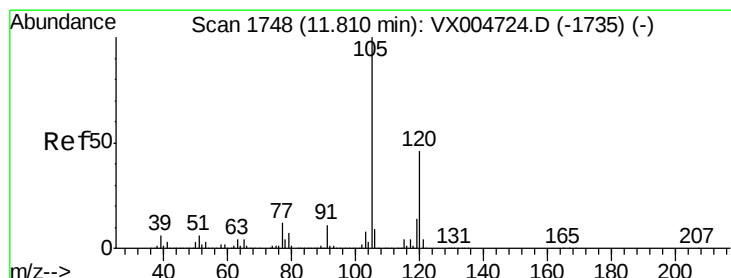
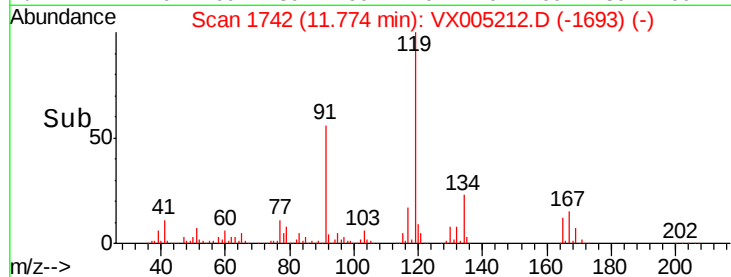
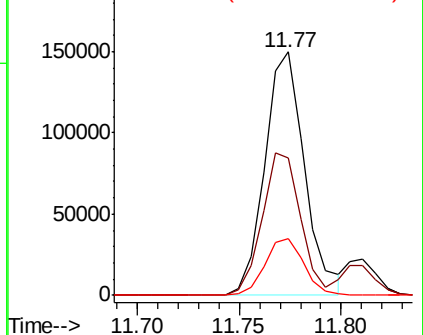
#83
tert-Butylbenzene
Concen: 24.605 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX005212.D
Acq: 10 Oct 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.3	27.5	82.5
134	23.0	11.5	34.4

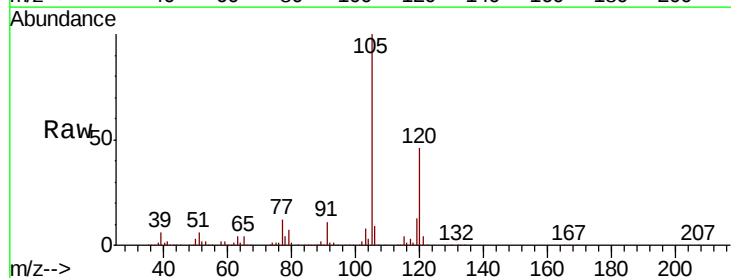


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX
Ion 134.00 (133.70 to 134.70): V

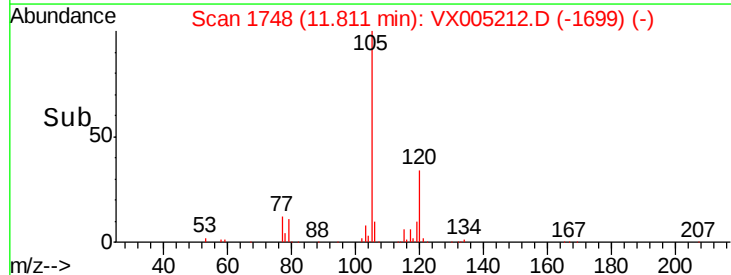
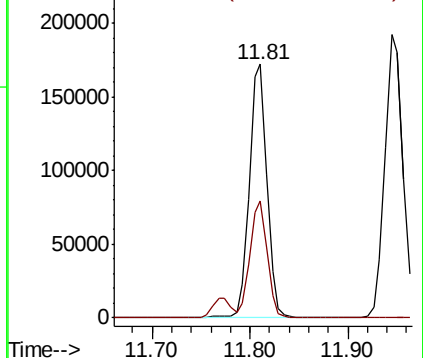


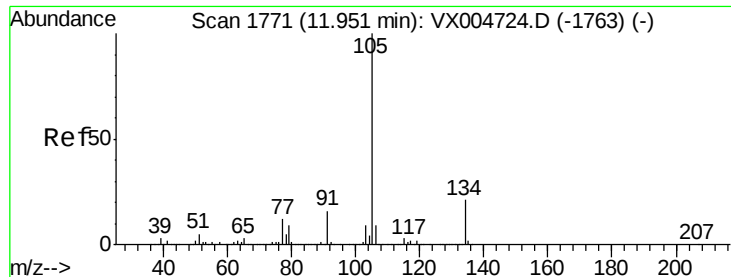
#84
1,2,4-Trimethylbenzene
Concen: 22.474 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX005212.D
Acq: 10 Oct 2018 17:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.8	68.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 24.323 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

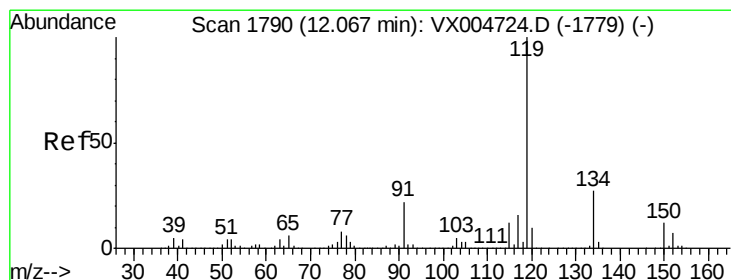
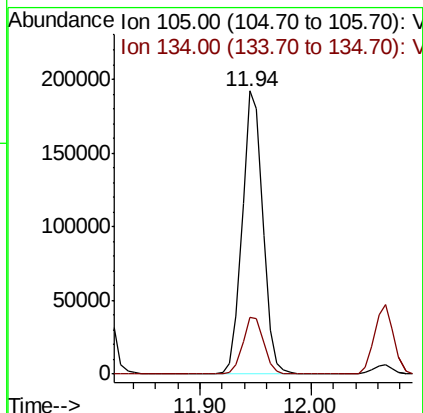
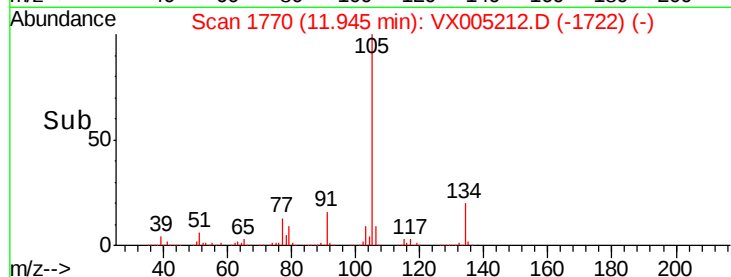
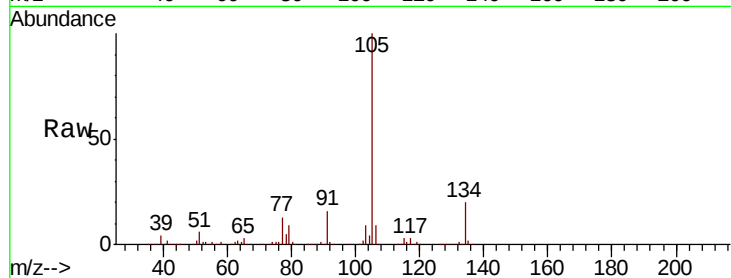
VX1010WBS02

Tot Ion:105 Resp: 245751

Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.4



#86

p-Isopropyltoluene

Concen: 24.250 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

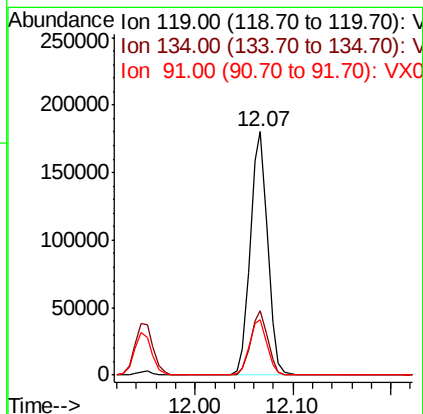
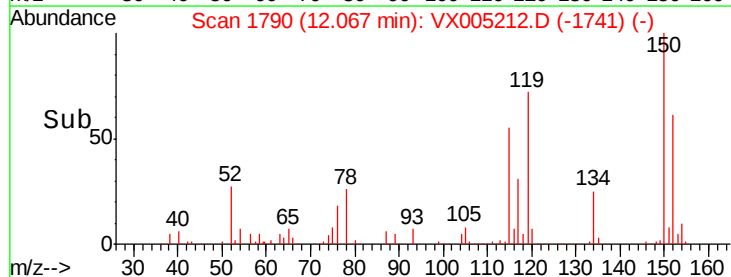
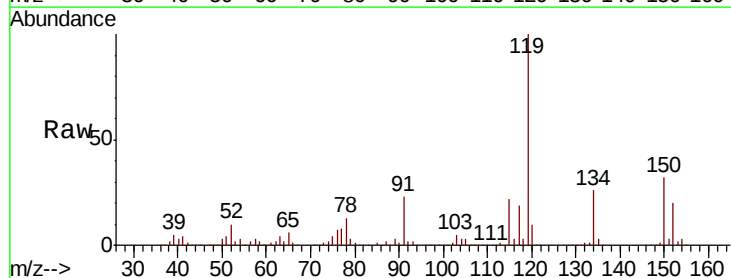
Tgt Ion:119 Resp: 221988

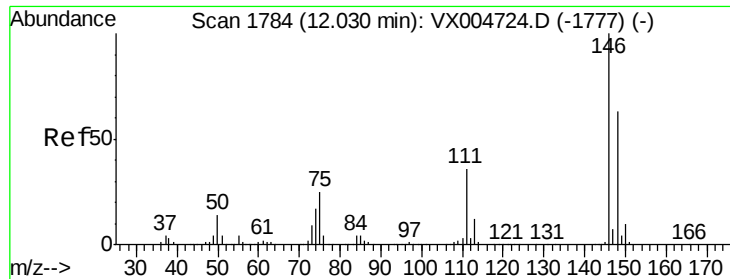
Ion Ratio Lower Upper

119 100

134 26.0 13.4 40.1

91 23.1 11.5 34.4

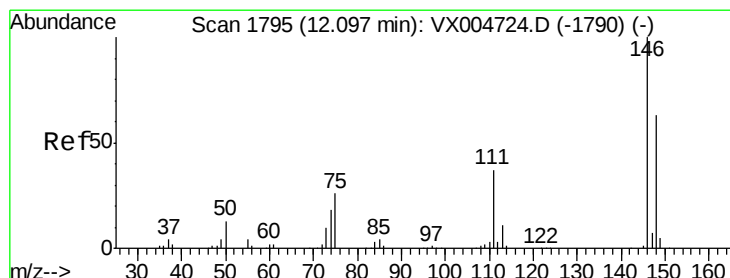
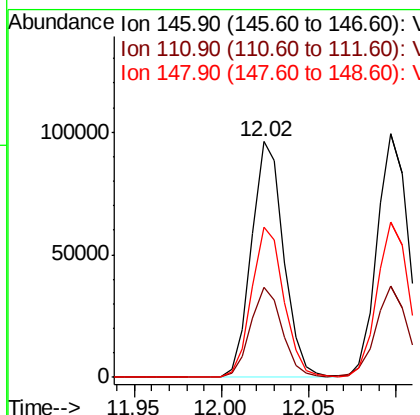
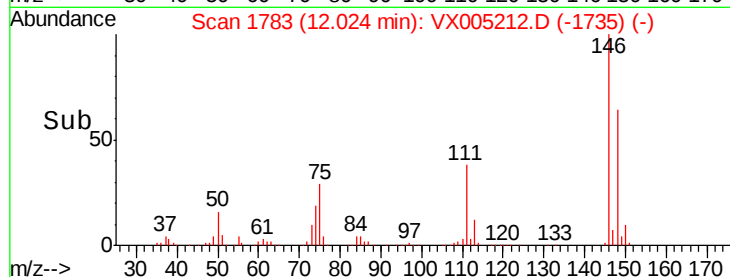
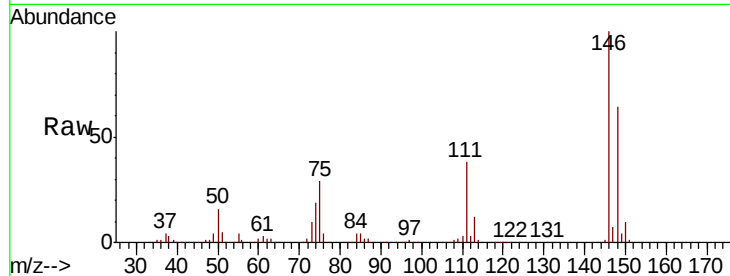




#87
 1,3-Dichlorobenzene
 Concen: 22.511 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX005212.D
 Acq: 10 Oct 2018 17:47

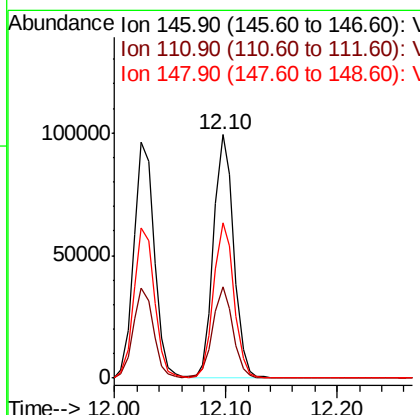
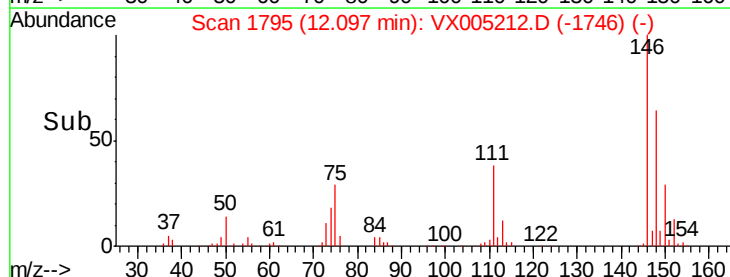
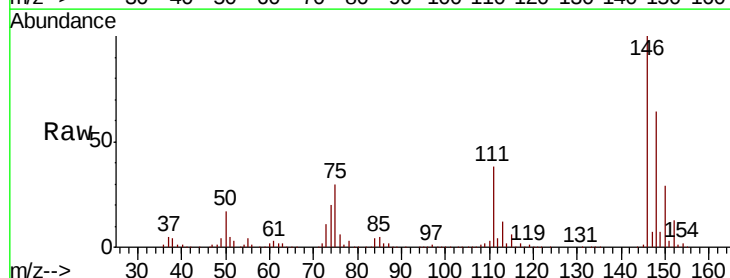
Instrument :
 MSVOA_X
 ClientSampled :
 VX1010WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.9
148	63.8	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 22.171 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005212.D
 Acq: 10 Oct 2018 17:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.4	55.2
148	64.5	32.0	96.0

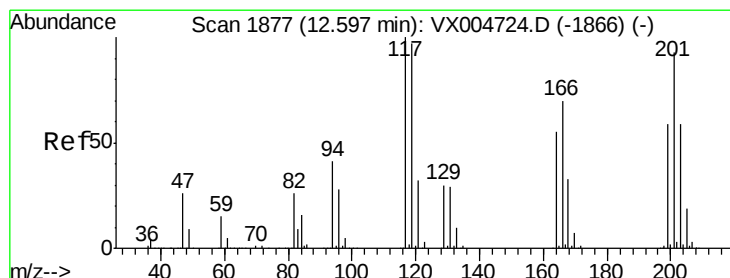
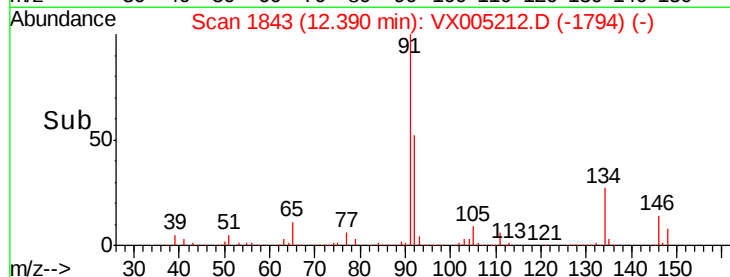
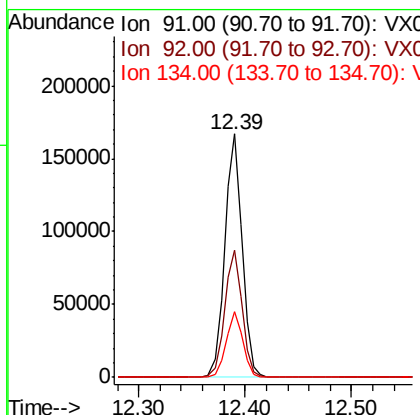
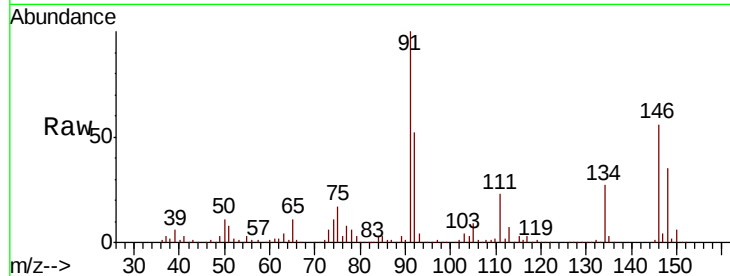




#89
n-Butylbenzene
Concen: 22.897 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005212.D
Acq: 10 Oct 2018 17:47

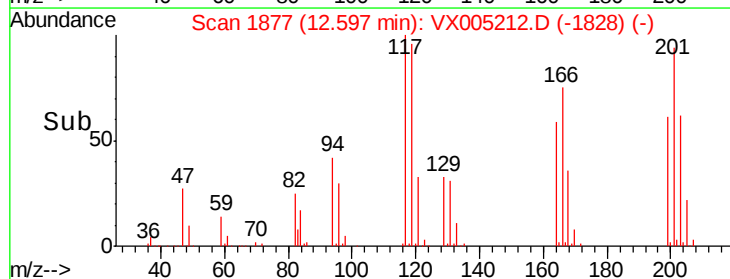
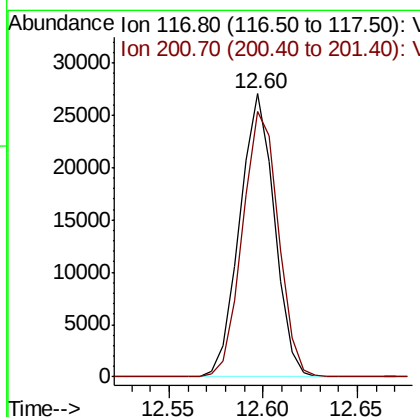
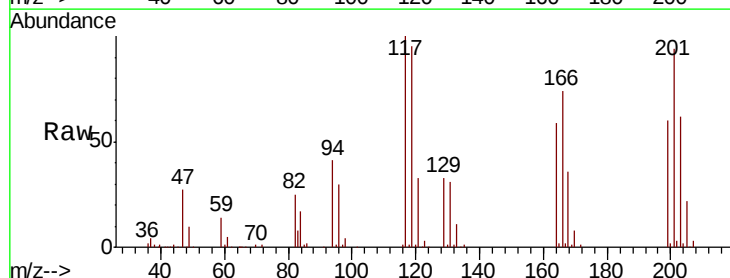
Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS02

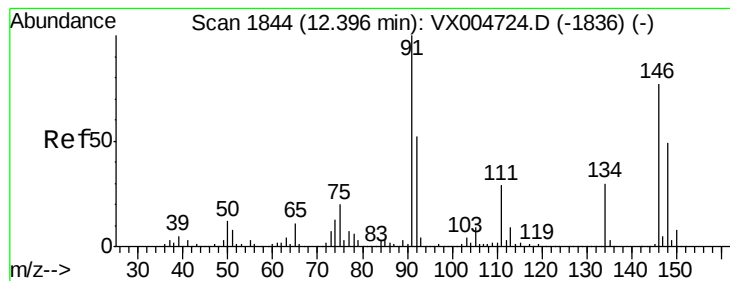
Tot Ion: 91 Resp: 190357
Ion Ratio Lower Upper
91 100
92 51.9 26.0 78.0
134 26.1 13.2 39.6



#90
Hexachloroethane
Concen: 22.689 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005212.D
Acq: 10 Oct 2018 17:47

Tgt Ion: 117 Resp: 34581
Ion Ratio Lower Upper
117 100
201 96.6 48.4 145.0





#91

1,2-Dichlorobenzene

Concen: 21.816 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX1010WBS02

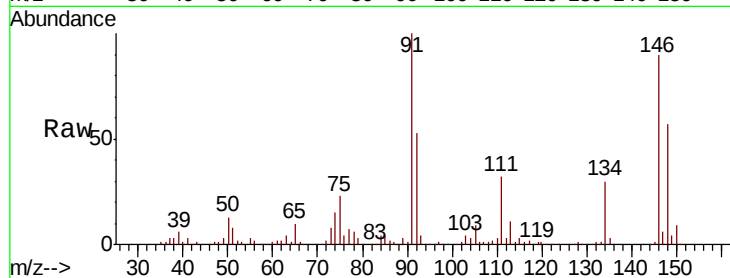
Tot Ion:146 Resp: 124583

Ion Ratio Lower Upper

146 100

111 38.4 19.6 58.7

148 63.3 31.8 95.4

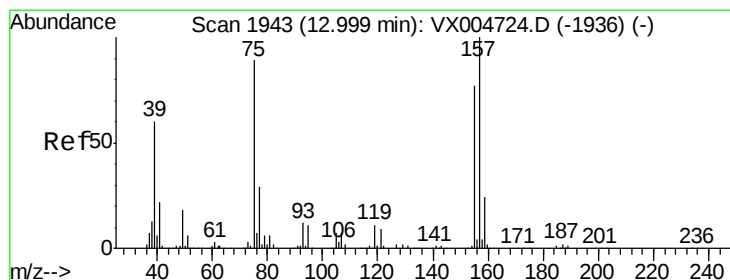
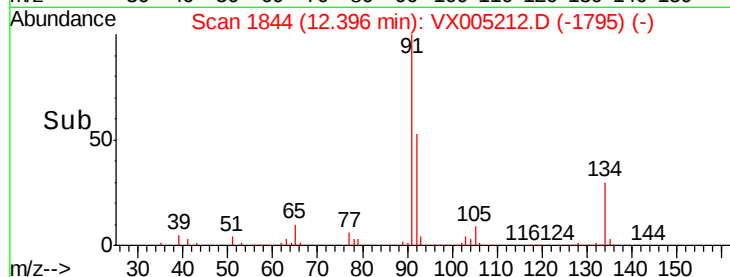
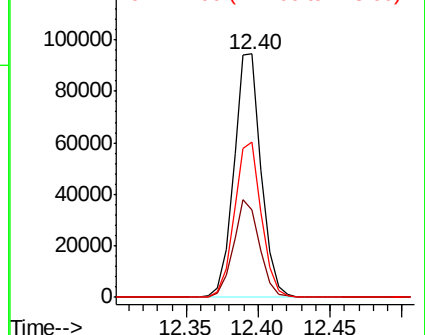


Abundance

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: 22.783 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX005212.D

Acq: 10 Oct 2018 17:47

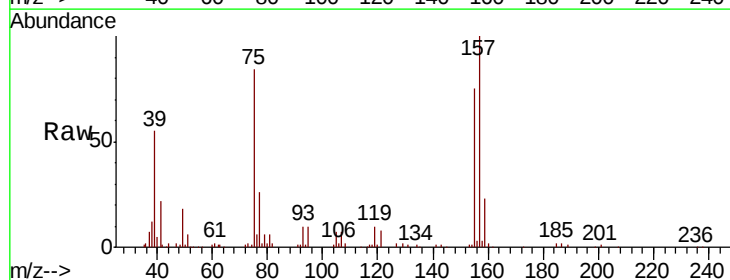
Tgt Ion: 75 Resp: 20516

Ion Ratio Lower Upper

75 100

155 95.9 46.1 138.3

157 122.2 60.2 180.6

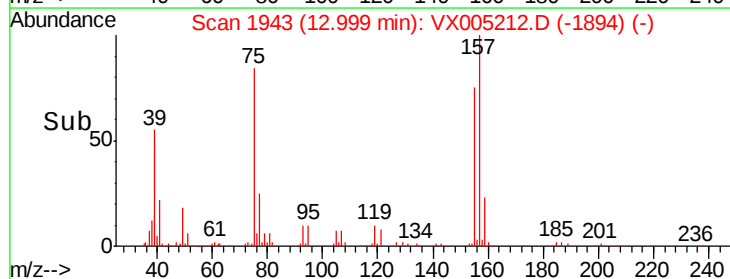
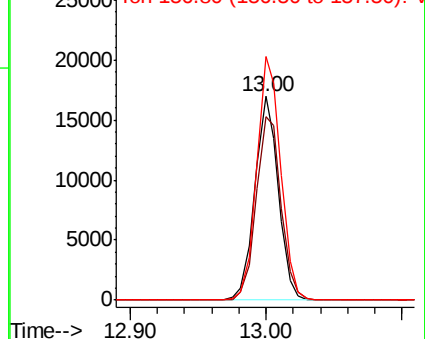


Abundance

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

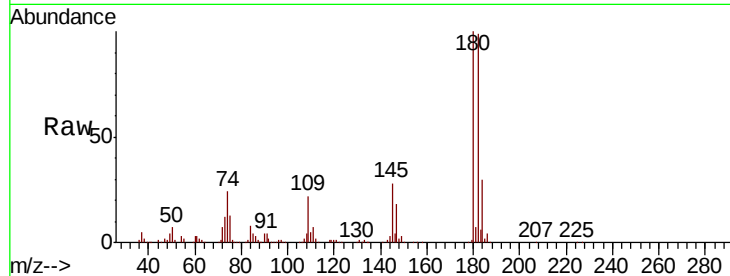




#93
 1,2,4-Trichlorobenzene
 Concen: 22.363 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005212.D
 Acq: 10 Oct 2018 17:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.8	143.4
145	27.8	14.1	42.4

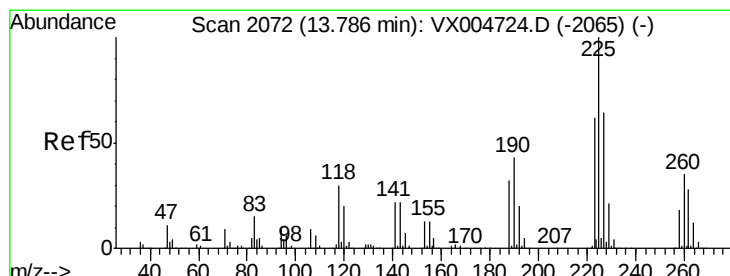
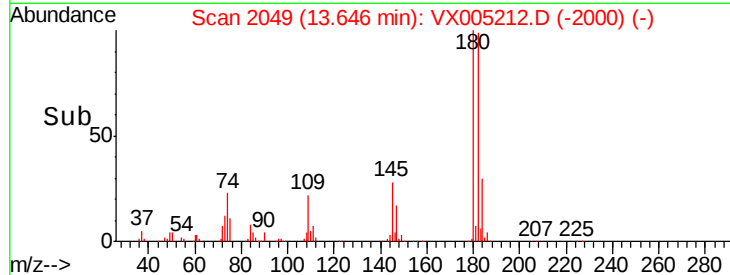
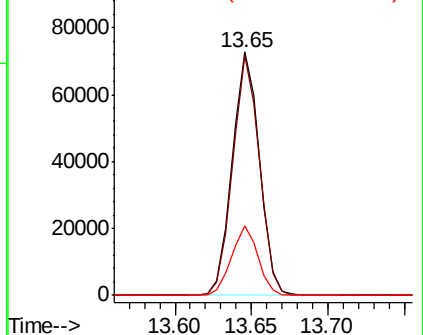


Abundance

Ion 179.80 (179.50 to 180.50): V

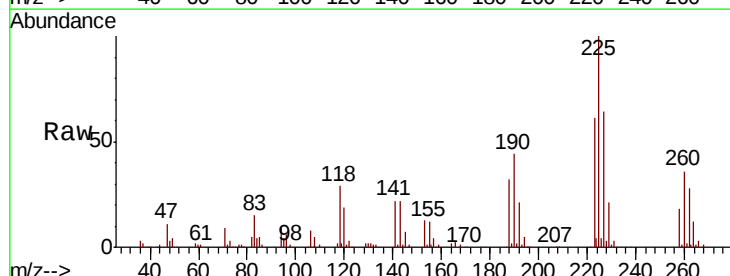
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 22.689 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005212.D
 Acq: 10 Oct 2018 17:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.3	93.8
227	62.8	31.9	95.5

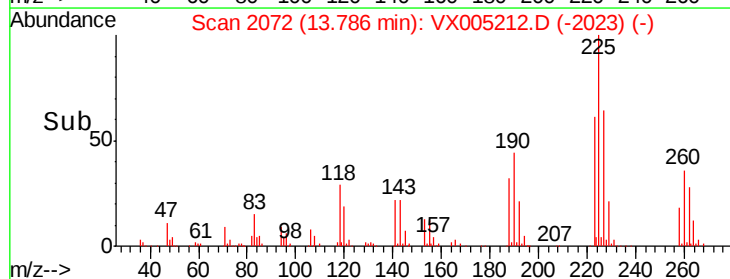
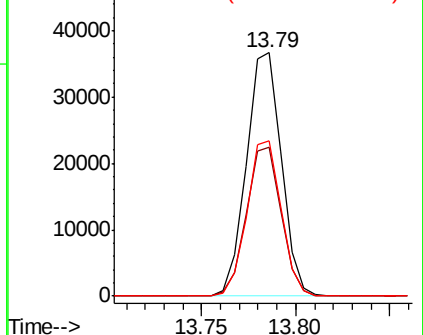


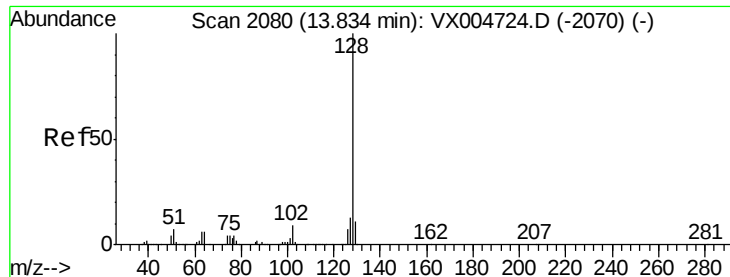
Abundance

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

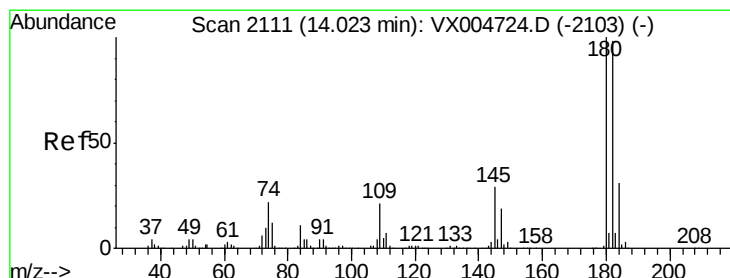
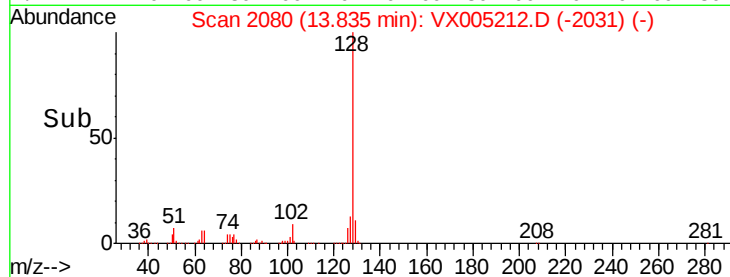
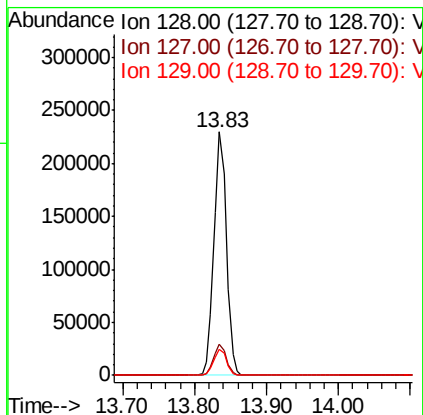
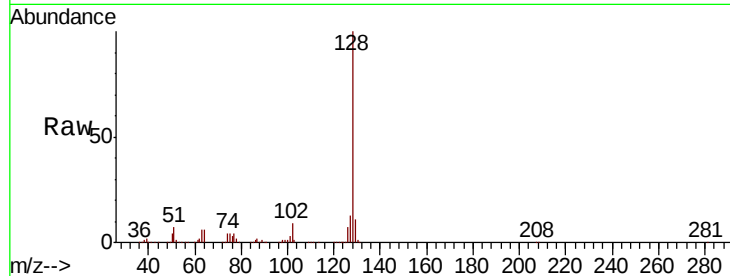




#95
Naphthalene
Concen: 21.151 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005212.D
Acq: 10 Oct 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX1010WBS02

Tot Ion:128 Resp: 275612
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.683 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX005212.D
Acq: 10 Oct 2018 17:47

Tgt Ion:180 Resp: 93866
Ion Ratio Lower Upper
180 100
182 95.2 47.9 143.8
145 29.5 15.0 45.0

