

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070718\
 Data File : VW003748.D
 Acq On : 06 Jul 2018 23:14
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Quant Time: Jul 07 03:51:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 03:50:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	202005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	327218	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	311723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	169892	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	28319	11.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.14%	
35) Dibromofluoromethane	7.88	113	24232	11.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.48%	
50) Toluene-d8	10.33	98	90638	10.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.48%	
62) 4-Bromofluorobenzene	12.63	95	32895	10.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.70%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	10360	10.676	ug/l	84
3) Chloromethane	2.21	50	21775	13.394	ug/l	96
4) Vinyl Chloride	2.36	62	27200	12.289	ug/l	100
5) Bromomethane	2.78	94	19379	13.159	ug/l	94
6) Chloroethane	2.92	64	15583	11.720	ug/l	96
7) Trichlorofluoromethane	3.25	101	11208	9.884	ug/l	99
8) Diethyl Ether	3.68	74	10936	10.340	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.04	101	22131	11.342	ug/l	99
10) Methyl Iodide	4.26	142	31016	10.843	ug/l	99
11) Tert butyl alcohol	5.23	59	7824	52.031	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	21418	11.050	ug/l	93
13) Acrolein	3.89	56	11356	116.248	ug/l	99
14) Allyl chloride	4.65	41	35481	10.692	ug/l	98
15) Acrylonitrile	5.38	53	27160	53.125	ug/l	98
16) Acetone	4.14	43	25881	45.561	ug/l	96
17) Carbon Disulfide	4.37	76	69580	11.953	ug/l	99
18) Methyl Acetate	4.67	43	13472	9.551	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	39098	10.169	ug/l	99
20) Methylene Chloride	4.91	84	32446	12.335	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	23776	11.135	ug/l	93
22) Diisopropyl ether	6.31	45	72706	10.560	ug/l	94
23) Vinyl Acetate	6.26	43	215623	51.387	ug/l	100
24) 1,1-Dichloroethane	6.21	63	46166	11.282	ug/l	99
25) 2-Butanone	7.18	43	35629	47.840	ug/l	99
26) 2,2-Dichloropropane	7.17	77	25659	10.414	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	25115	10.765	ug/l	99
28) Bromochloromethane	7.51	49	20628	11.539	ug/l	98
29) Tetrahydrofuran	7.54	42	22304	49.396	ug/l	99
30) Chloroform	7.68	83	46990	11.338	ug/l	97
31) Cyclohexane	7.95	56	40080	10.829	ug/l #	84
32) 1,1,1-Trichloroethane	7.87	97	35416	11.016	ug/l	99
36) 1,1-Dichloropropene	8.08	75	34789	10.500	ug/l	99
37) Ethyl Acetate	7.26	43	17934	11.027	ug/l	97
38) Carbon Tetrachloride	8.07	117	33830	10.740	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	36853	9.716	ug/l	98
40) Benzene	8.32	78	101782	10.893	ug/l	100
41) Methacrylonitrile	7.49	41	9858	10.624	ug/l	96
42) 1,2-Dichloroethane	8.40	62	32939	11.121	ug/l	98
43) Isopropyl Acetate	8.43	43	32359	10.518	ug/l	100
44) Trichloroethene	9.09	130	26544	11.010	ug/l	99
45) 1,2-Dichloropropane	9.37	63	26248	10.803	ug/l	96
46) Dibromomethane	9.46	93	13935	10.993	ug/l	99
47) Bromodichloromethane	9.65	83	34258	10.979	ug/l	96
48) Methyl methacrylate	9.44	41	14437	9.870	ug/l	98
49) 1,4-Dioxane	9.48	88	4135	209.381	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	79818	49.088	ug/l	98
52) Toluene	10.39	92	62023	10.653	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	32411	10.041	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	37522	10.283	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	19217	10.782	ug/l	94
56) Ethyl methacrylate	10.65	69	21059	9.381	ug/l	98
57) 1,3-Dichloropropane	10.94	76	33523	10.809	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	45990	46.115	ug/l	100
59) 2-Hexanone	10.98	43	53783	46.472	ug/l	96
60) Dibromochloromethane	11.13	129	21930	10.503	ug/l	98
61) 1,2-Dibromoethane	11.24	107	18313	10.695	ug/l	100
64) Tetrachloroethene	10.87	164	23017	10.727	ug/l	97
65) Chlorobenzene	11.66	112	70723	10.694	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	24550	10.636	ug/l	98
67) Ethyl Benzene	11.74	91	114983	9.959	ug/l	100
68) m/p-Xylenes	11.84	106	88161	20.037	ug/l	100
69) o-Xylene	12.18	106	39836	9.776	ug/l	99
70) Styrene	12.19	104	66390	9.694	ug/l	98
71) Bromoform	12.35	173	13563	10.490	ug/l #	100
73) Isopropylbenzene	12.47	105	109921	9.492	ug/l	99
74) N-amyl acetate	12.28	43	28502	9.220	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	23639	10.315	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	30062	19.553	ug/l #	100
77) Bromobenzene	12.75	156	28353	10.190	ug/l	96
78) n-propylbenzene	12.81	91	139204	9.724	ug/l	99
79) 2-Chlorotoluene	12.90	91	82653	10.151	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	96467	9.823	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	6691	9.263	ug/l	99
82) 4-Chlorotoluene	12.99	91	89643	10.323	ug/l	100
83) tert-Butylbenzene	13.21	119	76938	9.305	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	100904	9.984	ug/l	98
85) sec-Butylbenzene	13.39	105	116708	9.504	ug/l	100
86) p-Isopropyltoluene	13.51	119	101678	9.453	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	58823	10.394	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	60097	10.621	ug/l	96
89) n-Butylbenzene	13.84	91	99252	9.353	ug/l	97
90) Hexachloroethane	14.10	117	20079	10.035	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	52490	10.355	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4046	10.102	ug/l	95

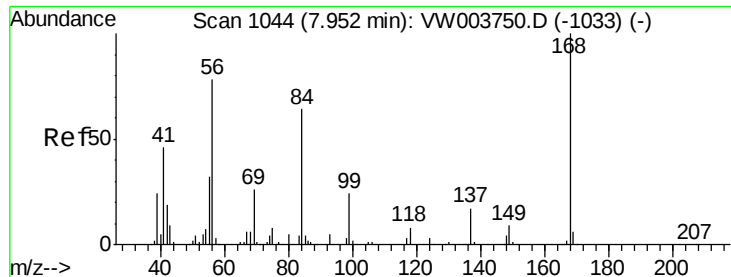
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070718\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	34792	9.763	ug/l	98
94) Hexachlorobutadiene	15.25	225	20567	10.061	ug/l	95
95) Naphthalene	15.38	128	56230	8.636	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	31791	9.975	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

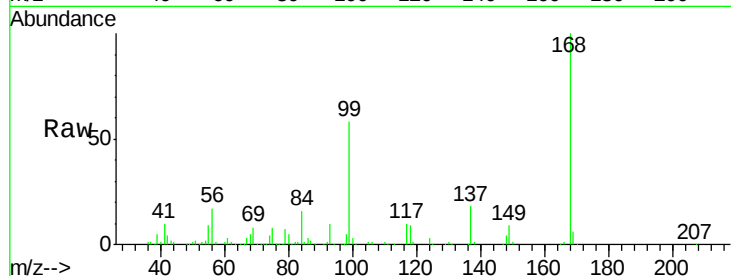
VSTDIC010

Tgt Ion:168 Resp: 202005

Ion Ratio Lower Upper

168 100

99 57.6 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

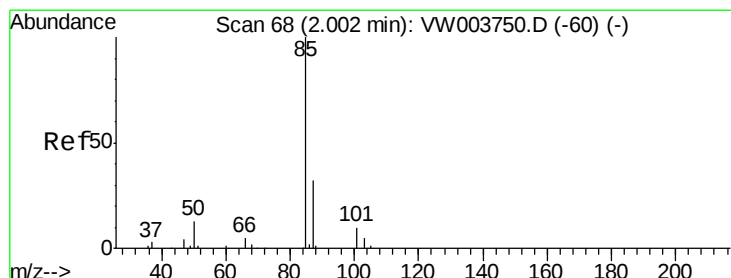
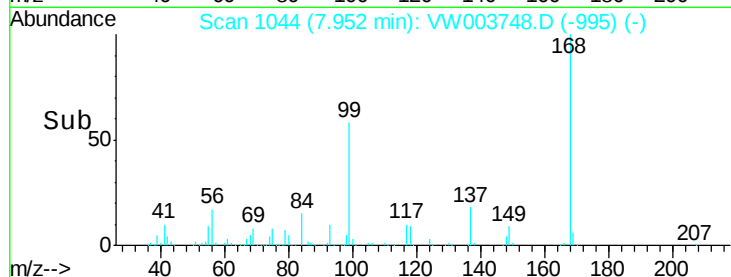
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 10.676 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003748.D

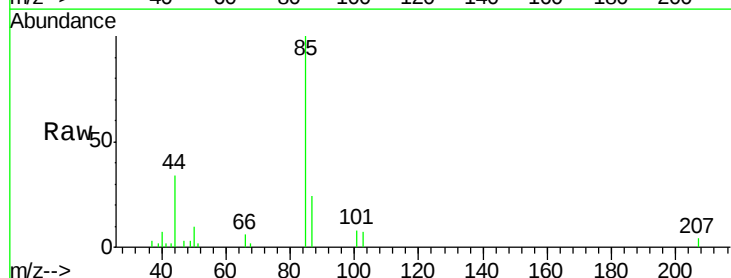
Acq: 06 Jul 2018 23:14

Tgt Ion: 85 Resp: 10360

Ion Ratio Lower Upper

85 100

87 23.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

3000

2000

1000

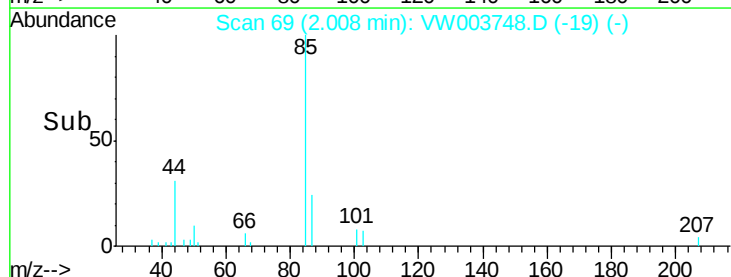
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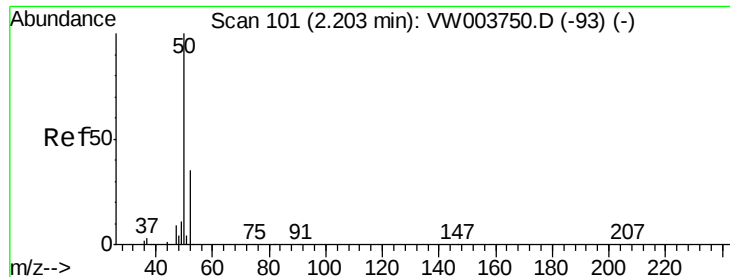
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 13.394 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.01 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

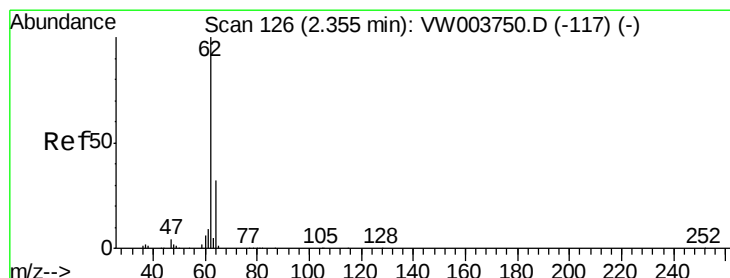
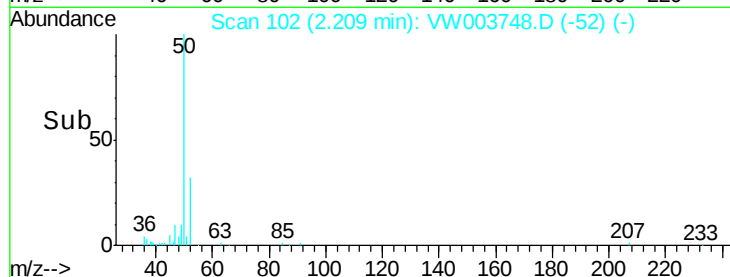
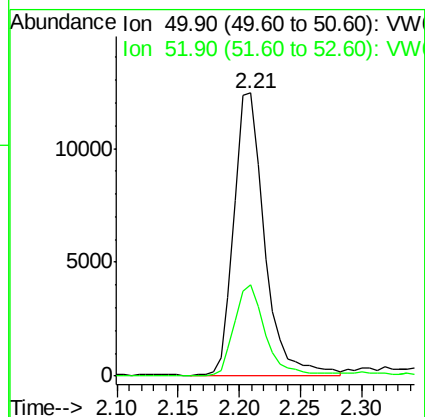
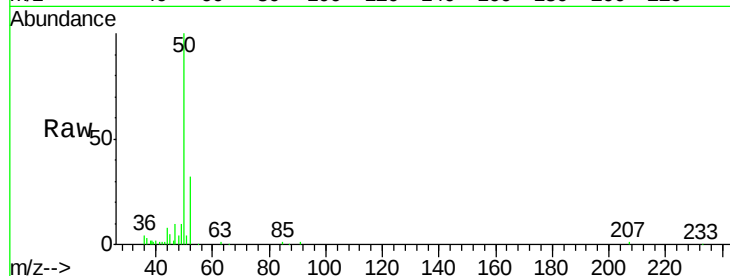
VSTDIC010

Tgt Ion: 50 Resp: 21775

Ion Ratio Lower Upper

50 100

52 32.3 27.8 41.6



#4

Vinyl Chloride

Concen: 12.289 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003748.D

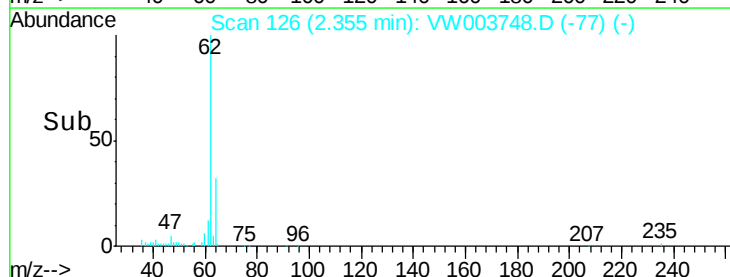
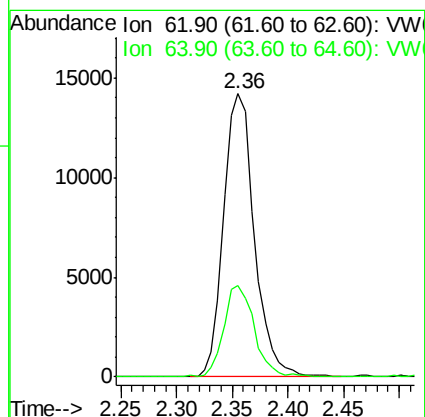
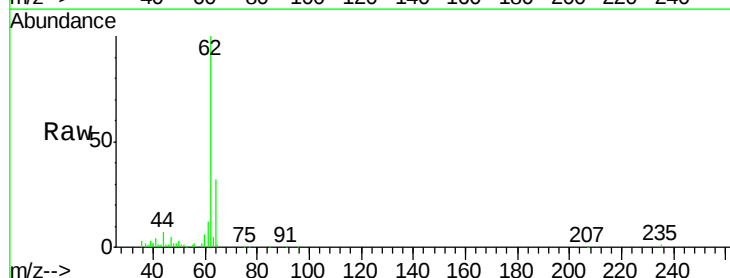
Acq: 06 Jul 2018 23:14

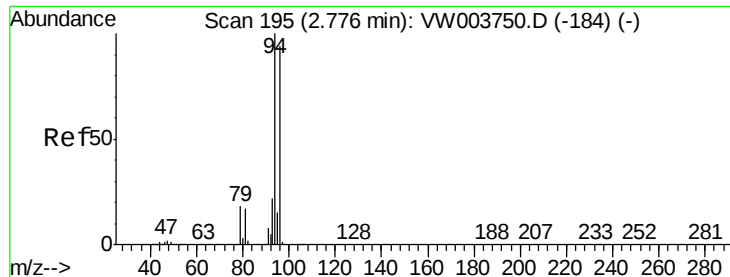
Tgt Ion: 62 Resp: 27200

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8





#5

Bromomethane

Concen: 13.159 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

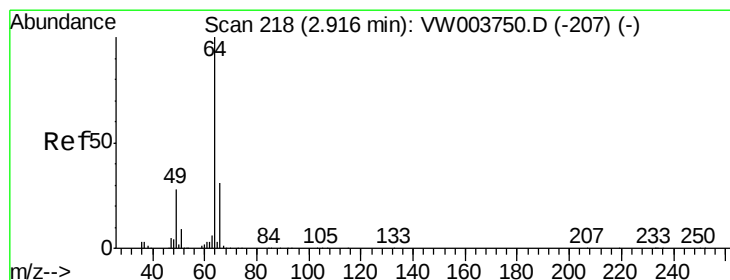
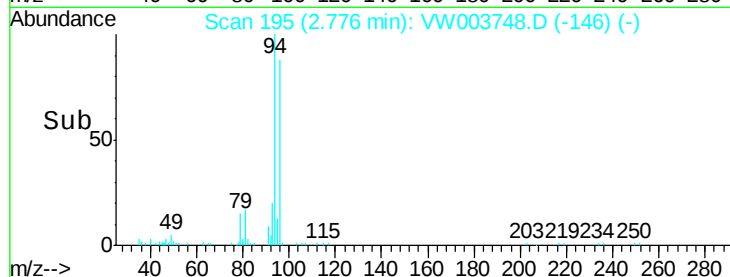
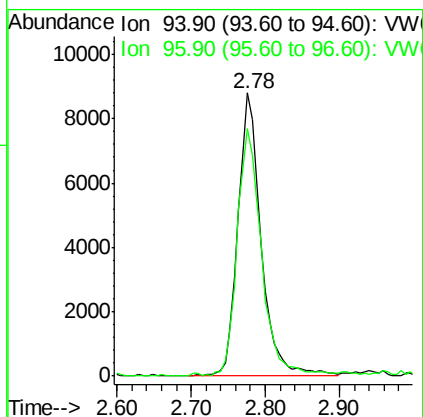
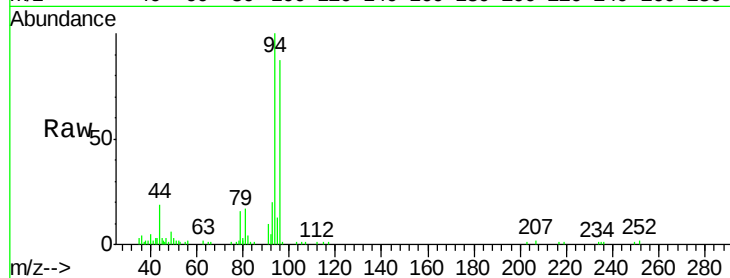
VSTDIC010

Tgt Ion: 94 Resp: 19379

Ion Ratio Lower Upper

94 100

96 87.4 74.8 112.2



#6

Chloroethane

Concen: 11.720 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.01 min

Lab File: VW003748.D

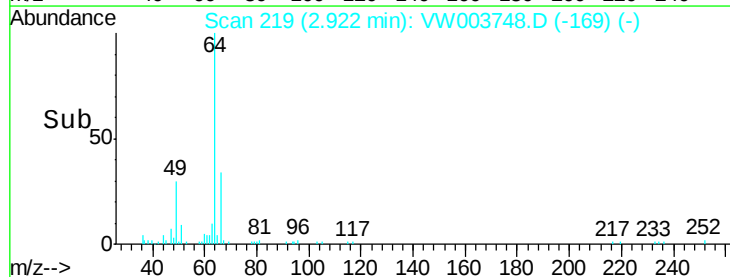
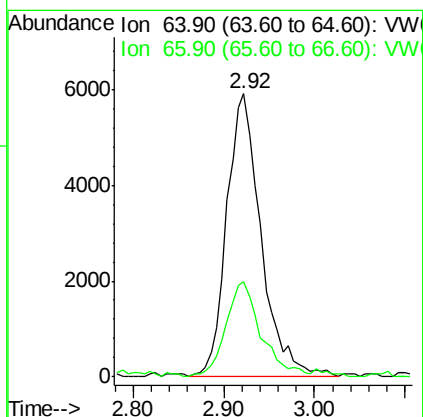
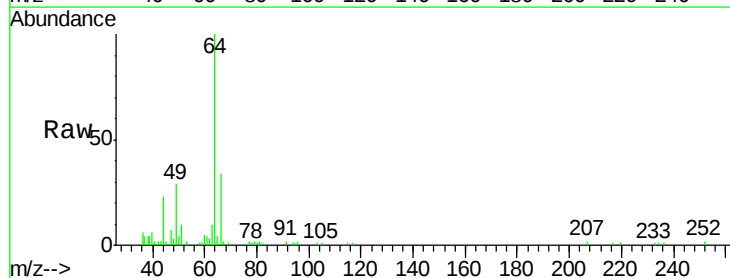
Acq: 06 Jul 2018 23:14

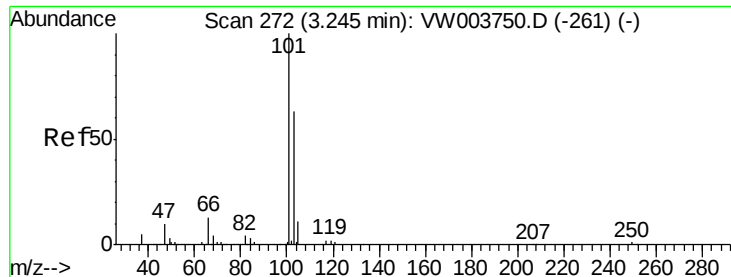
Tgt Ion: 64 Resp: 15583

Ion Ratio Lower Upper

64 100

66 33.8 25.1 37.7



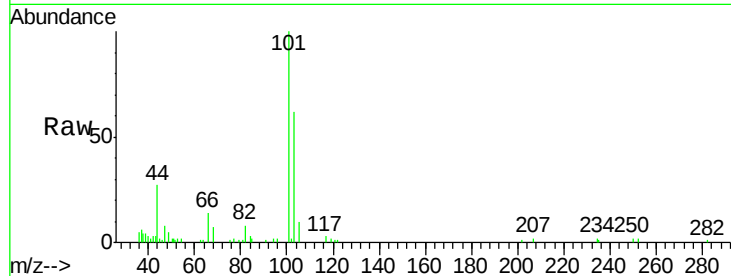


#7

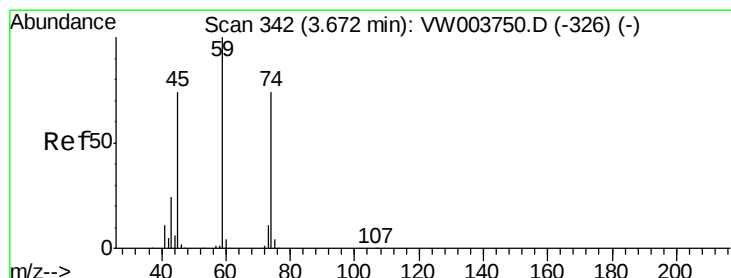
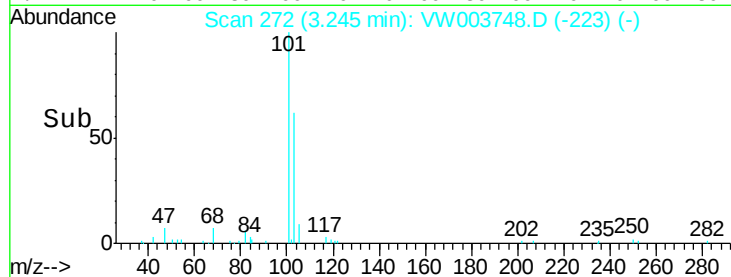
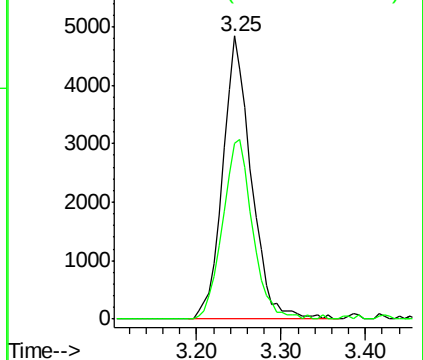
Trichlorofluoromethane
 Concen: 9.884 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. -0.00 min
 Lab File: VW003748.D
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Tgt Ion: 101 Resp: 11208
 Ion Ratio Lower Upper
 101 100
 103 62.3 50.7 76.1



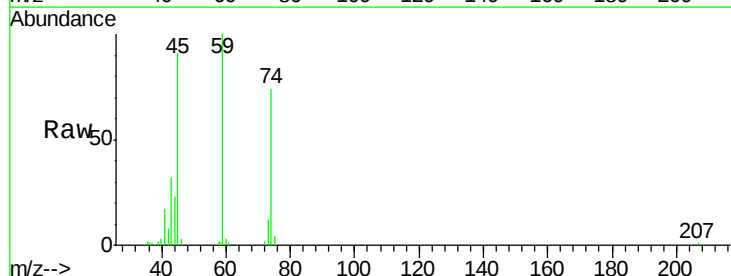
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



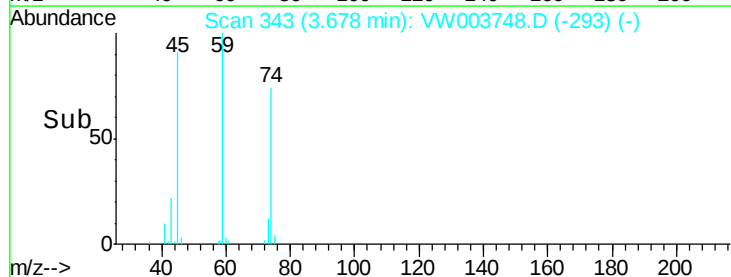
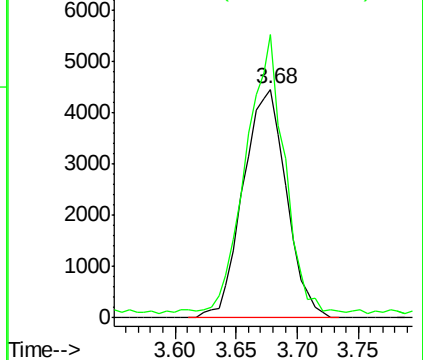
#8

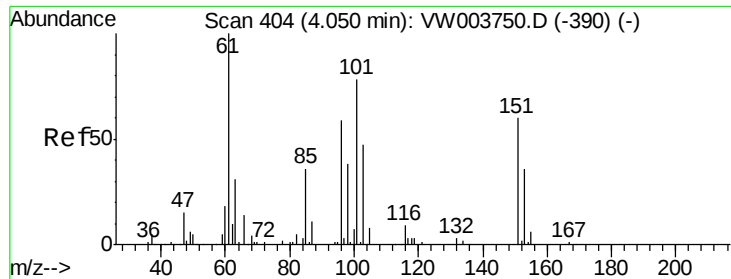
Diethyl Ether
 Concen: 10.340 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW003748.D
 Acq: 06 Jul 2018 23:14

Tgt Ion: 74 Resp: 10936
 Ion Ratio Lower Upper
 74 100
 45 110.6 52.4 157.2



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.342 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

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MSVOA_W

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VSTDIC010

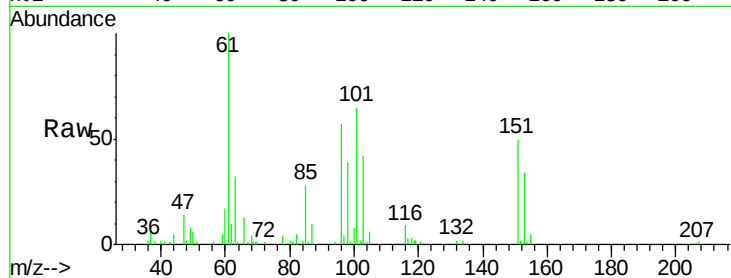
Tgt Ion:101 Resp: 22131

Ion Ratio Lower Upper

101 100

85 45.6 37.1 55.7

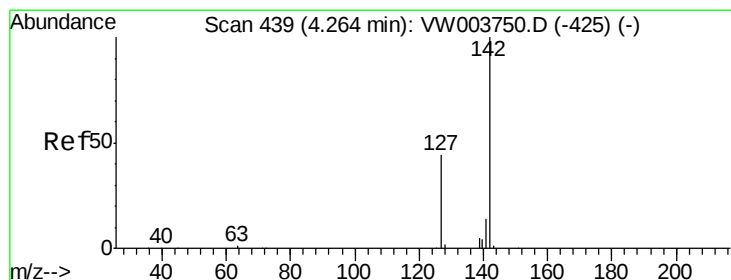
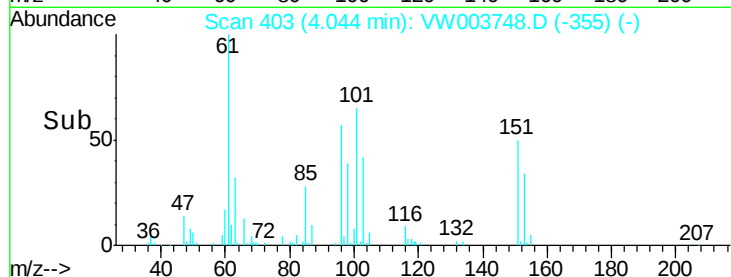
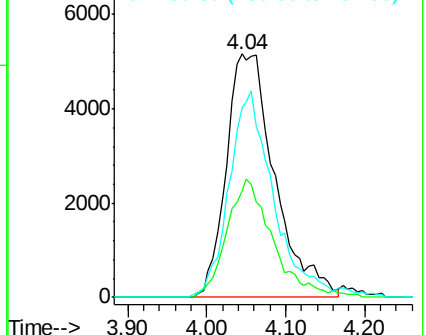
151 76.5 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 10.843 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.01 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

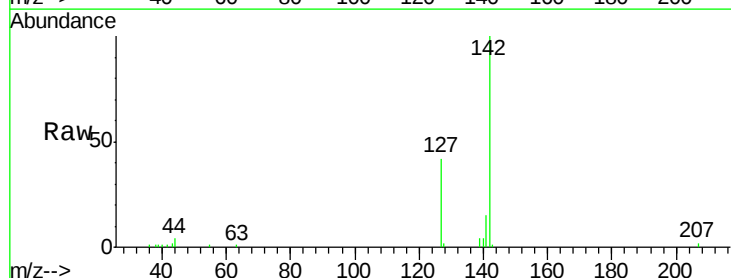
Tgt Ion:142 Resp: 31016

Ion Ratio Lower Upper

142 100

127 45.7 36.1 54.1

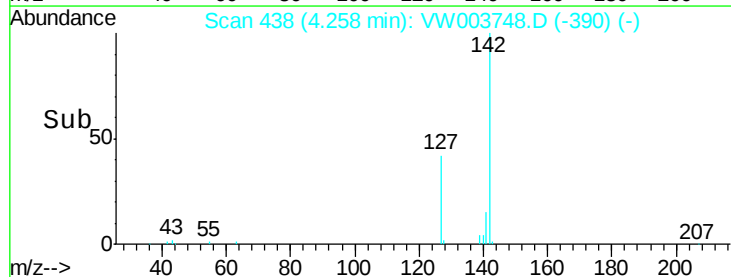
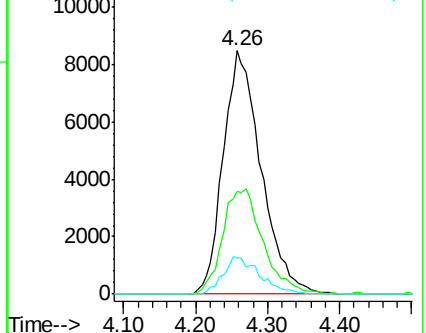
141 14.8 11.6 17.4

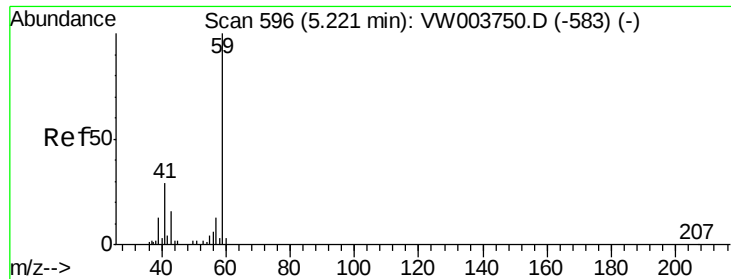


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



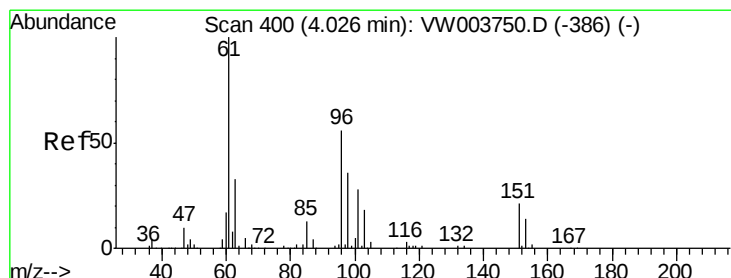
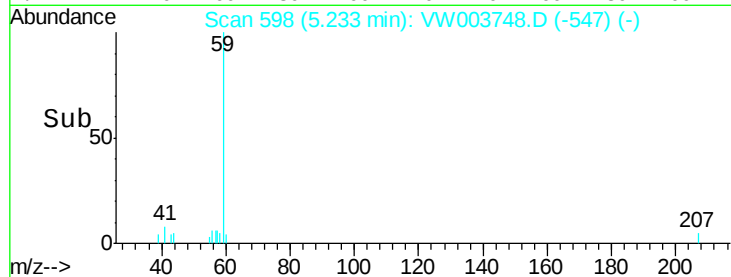
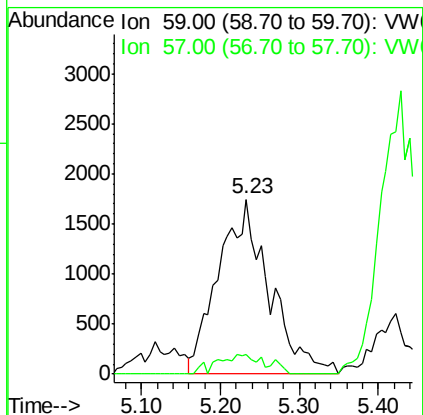
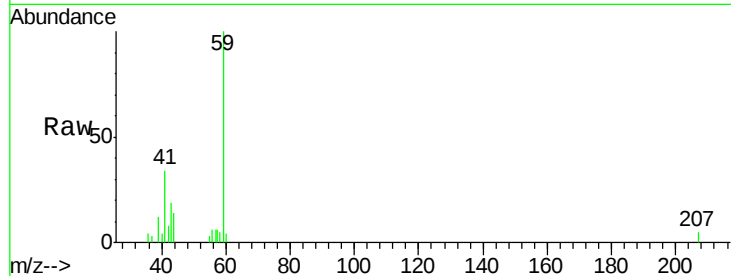


#11

Tert butyl alcohol
 Concen: 52.031 ug/l
 RT: 5.23 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: VW003748.D
 Acq: 06 Jul 2018 23:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

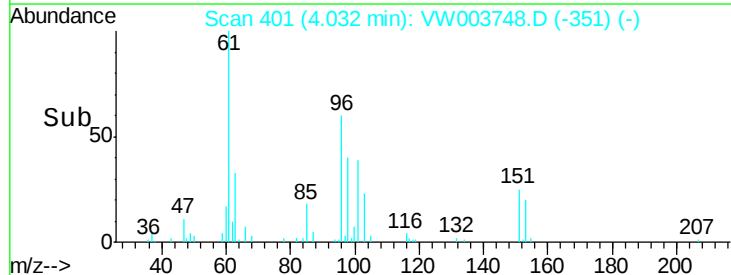
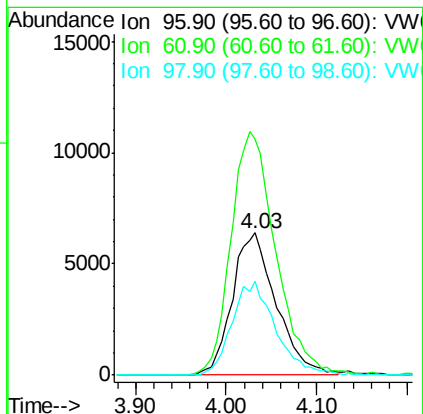
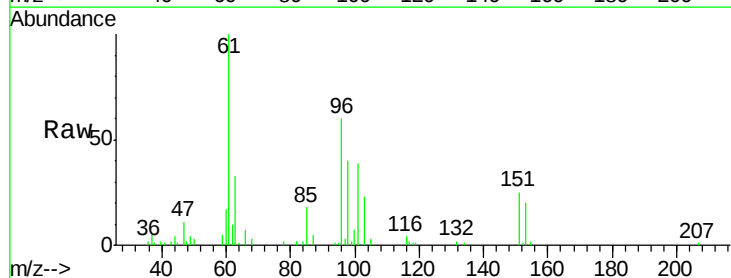
Tgt Ion: 59 Resp: 7824
 Ion Ratio Lower Upper
 59 100
 57 8.5 9.3 13.9#

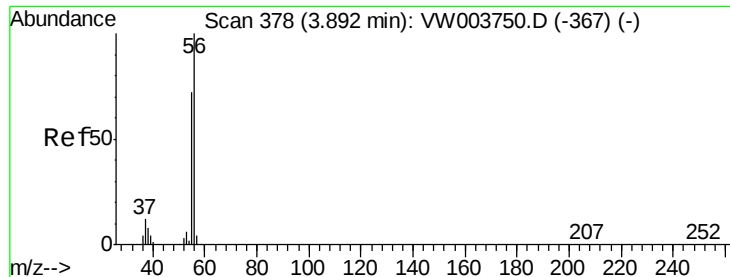


#12

1,1-Dichloroethene
 Concen: 11.050 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. 0.01 min
 Lab File: VW003748.D
 Acq: 06 Jul 2018 23:14

Tgt Ion: 96 Resp: 21418
 Ion Ratio Lower Upper
 96 100
 61 166.0 143.2 214.8
 98 66.2 51.4 77.0





#13

Acrolein

Concen: 116.248 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

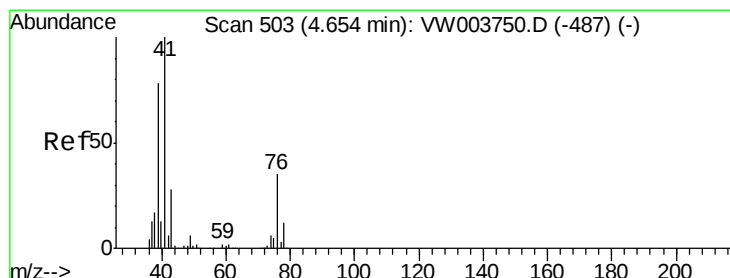
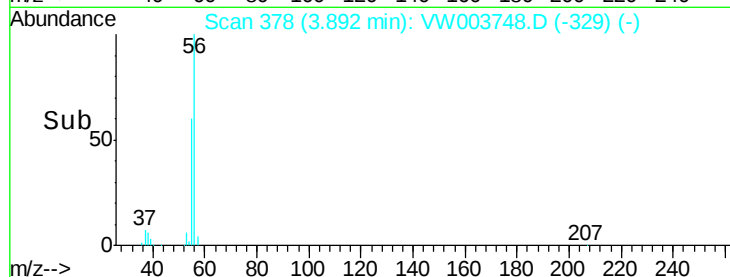
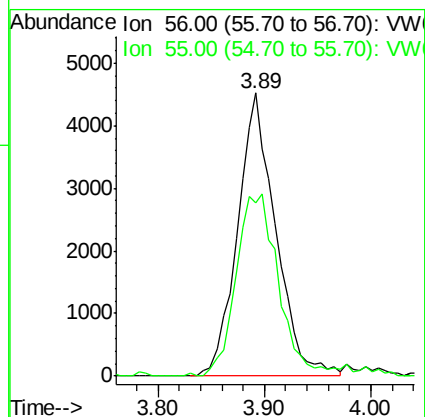
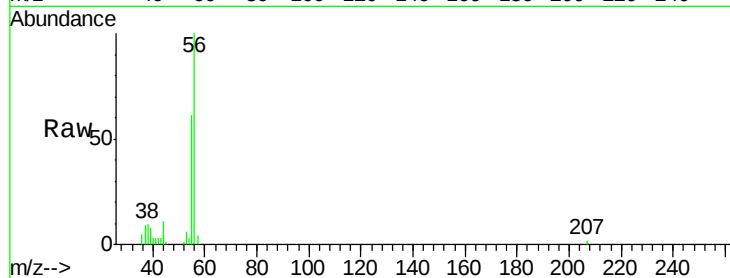
VSTDIC010

Tgt Ion: 56 Resp: 11356

Ion Ratio Lower Upper

56 100

55 70.7 57.5 86.3



#14

Allyl chloride

Concen: 10.692 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

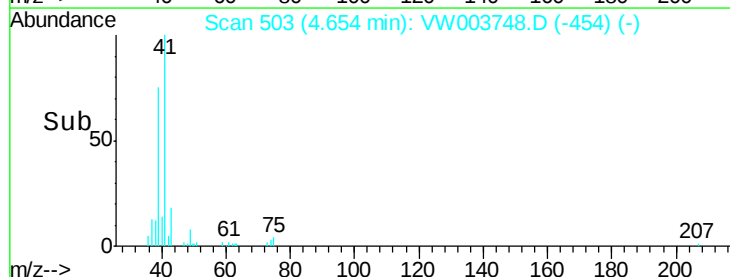
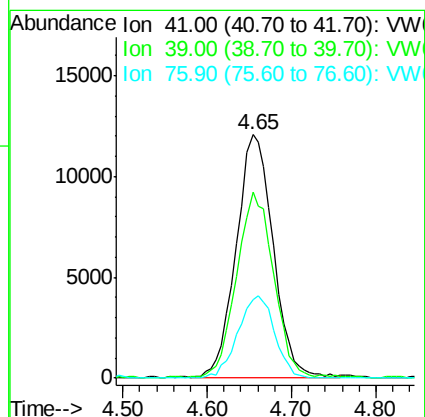
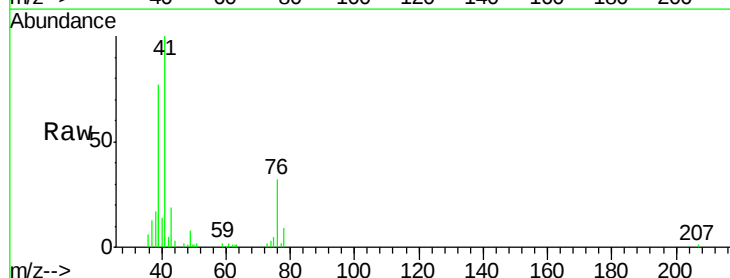
Tgt Ion: 41 Resp: 35481

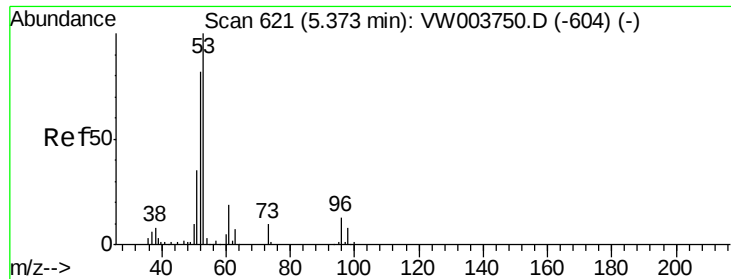
Ion Ratio Lower Upper

41 100

39 77.9 60.9 91.3

76 33.9 27.5 41.3





#15

Acrylonitrile

Concen: 53.125 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.01 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

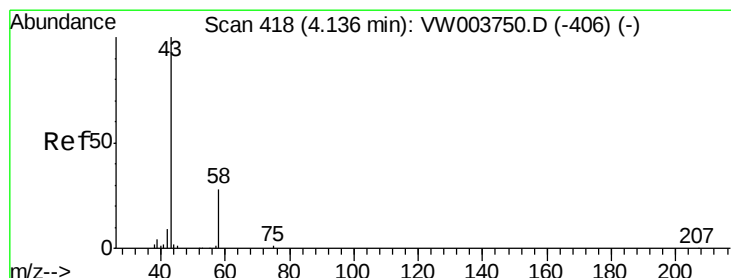
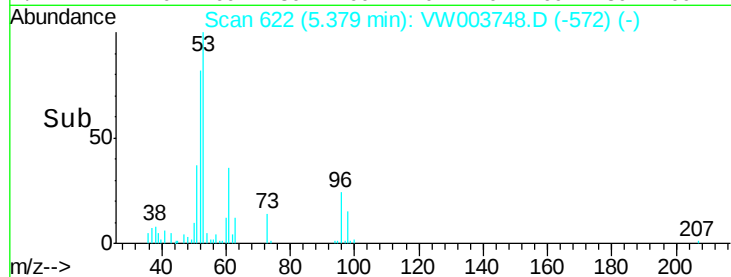
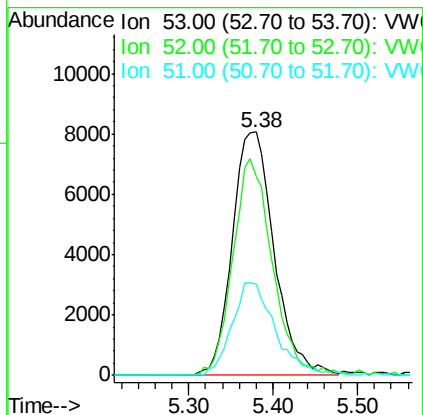
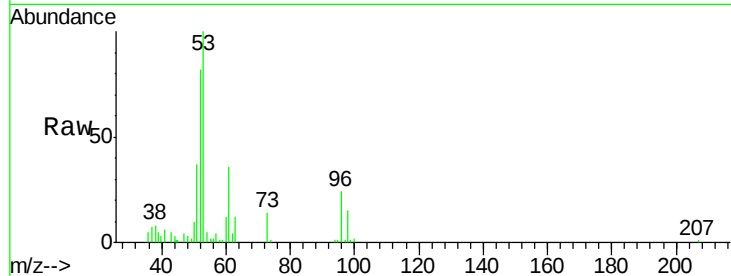
Tgt Ion: 53 Resp: 27160

Ion Ratio Lower Upper

53 100

52 84.1 66.2 99.2

51 39.4 30.2 45.4



#16

Acetone

Concen: 45.561 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW003748.D

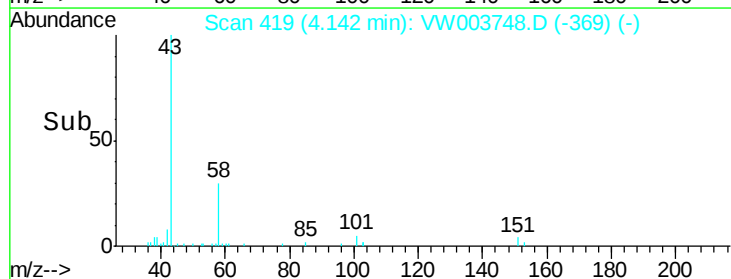
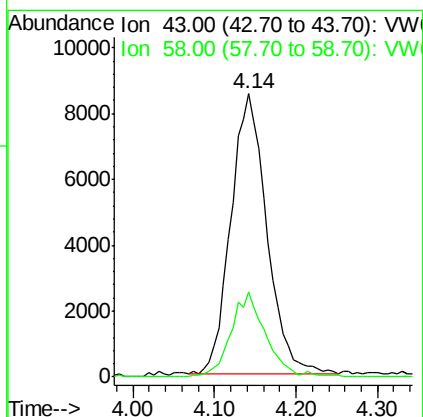
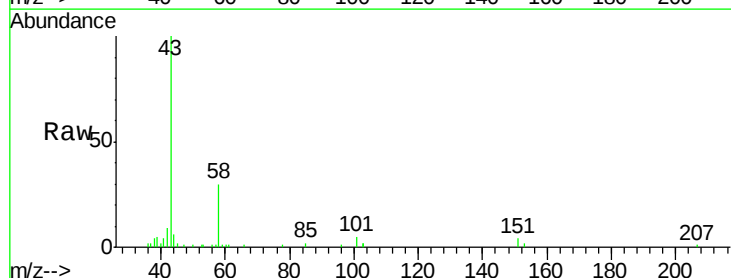
Acq: 06 Jul 2018 23:14

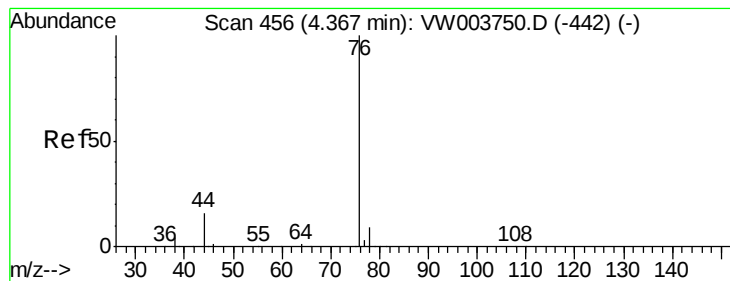
Tgt Ion: 43 Resp: 25881

Ion Ratio Lower Upper

43 100

58 30.4 22.6 34.0





#17

Carbon Disulfide

Concen: 11.953 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

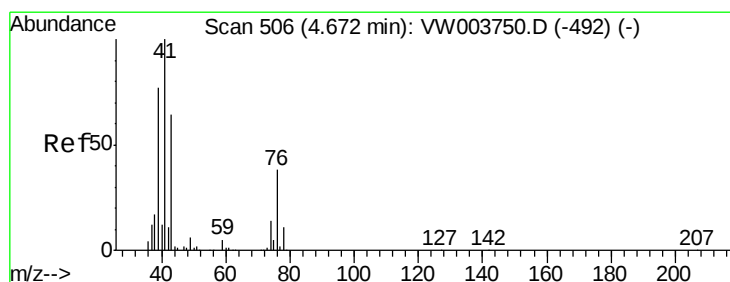
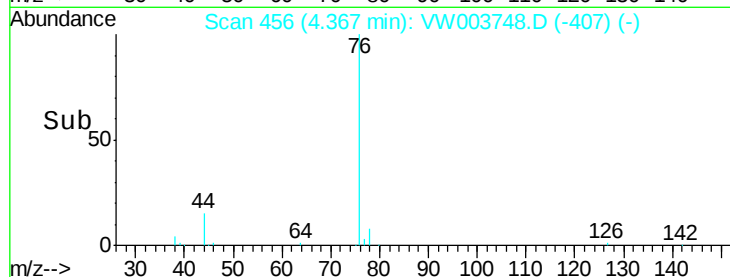
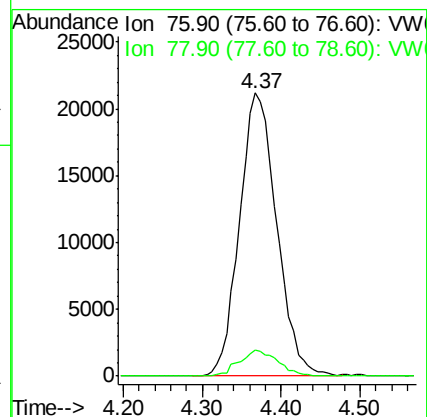
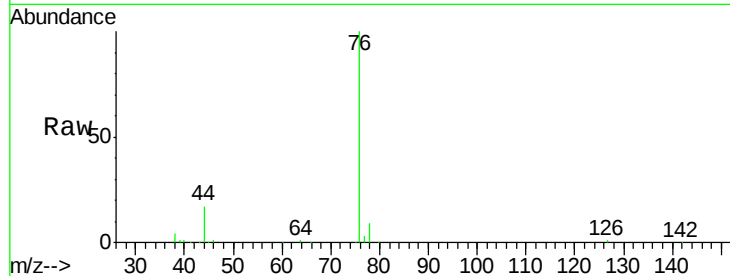
VSTDIC010

Tgt Ion: 76 Resp: 69580

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



#18

Methyl Acetate

Concen: 9.551 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.00 min

Lab File: VW003748.D

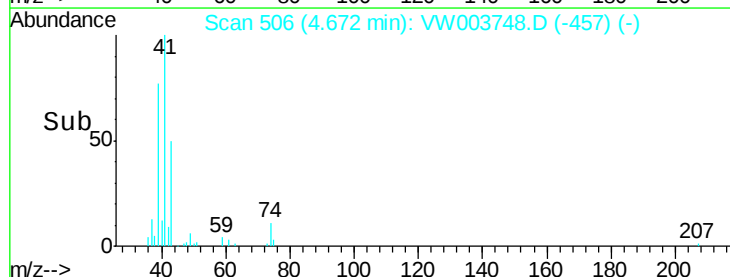
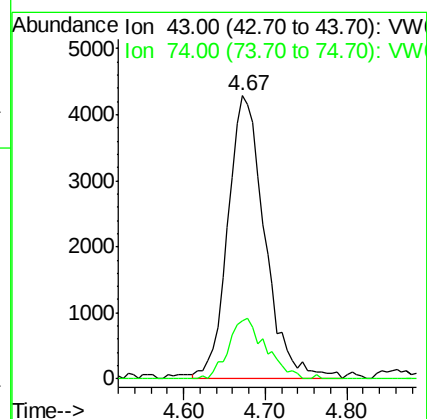
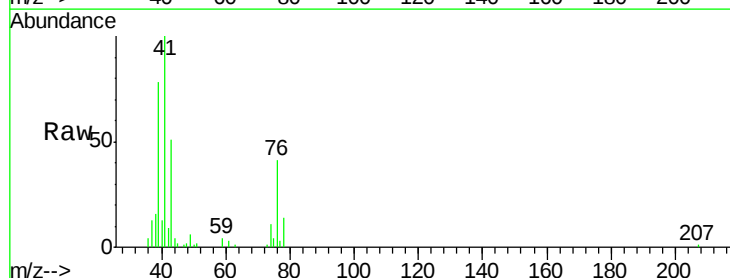
Acq: 06 Jul 2018 23:14

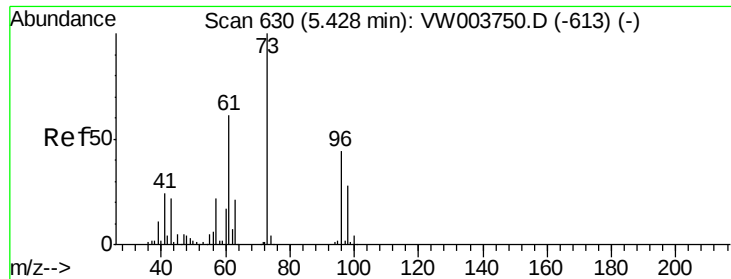
Tgt Ion: 43 Resp: 13472

Ion Ratio Lower Upper

43 100

74 21.3 17.3 25.9

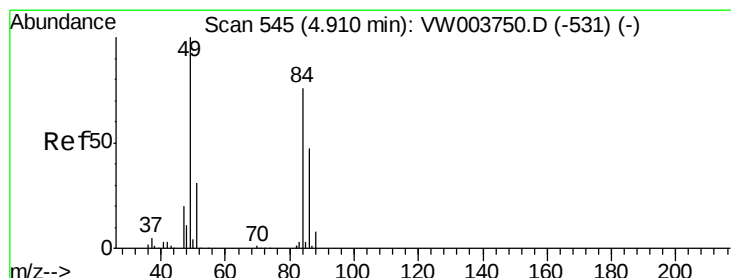
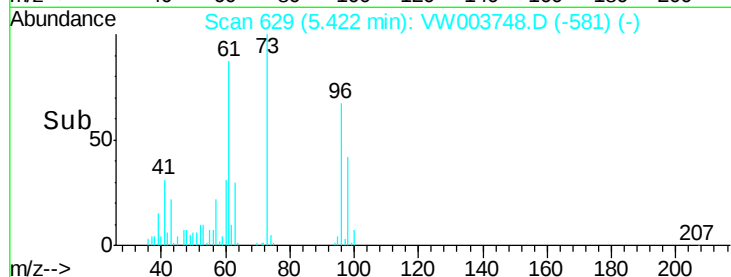
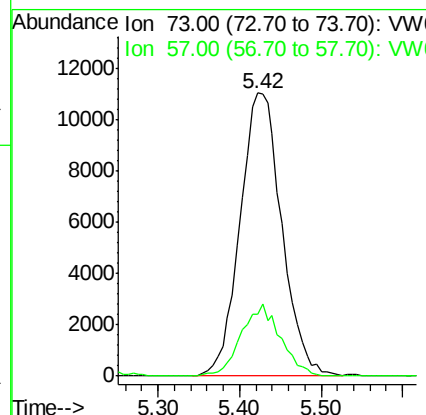
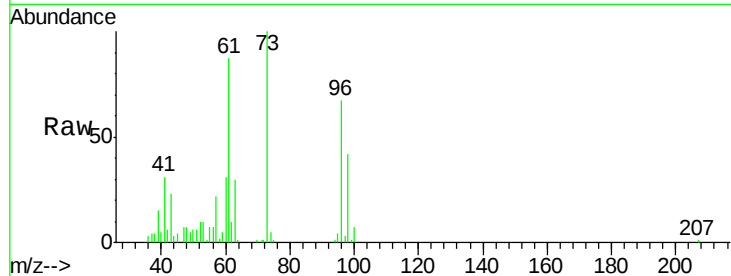




#19
Methyl tert-butyl Ether
Concen: 10.169 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

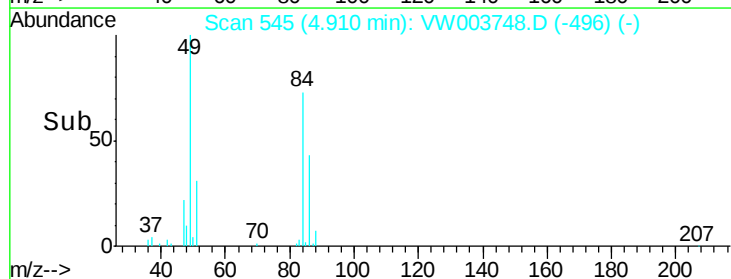
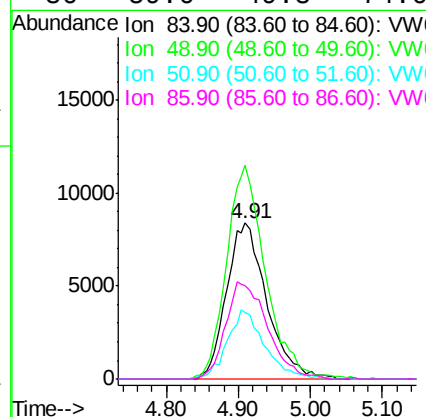
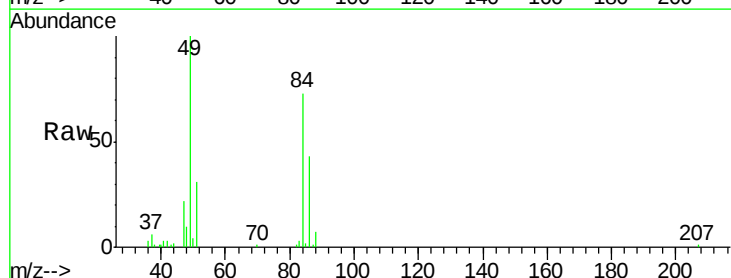
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

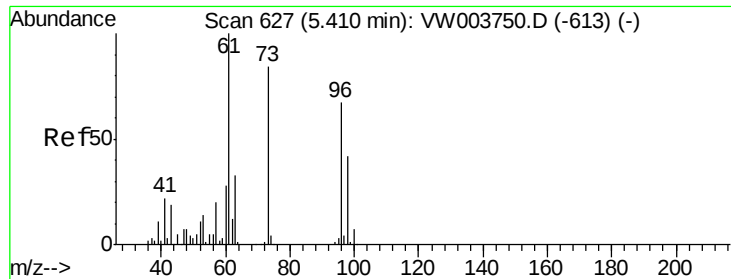
Tgt Ion: 73 Resp: 39098
Ion Ratio Lower Upper
73 100
57 21.9 17.9 26.9



#20
Methylene Chloride
Concen: 12.335 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

Tgt Ion: 84 Resp: 32446
Ion Ratio Lower Upper
84 100
49 136.2 105.1 157.7
51 42.5 32.5 48.7
86 59.6 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 11.135 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.01 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

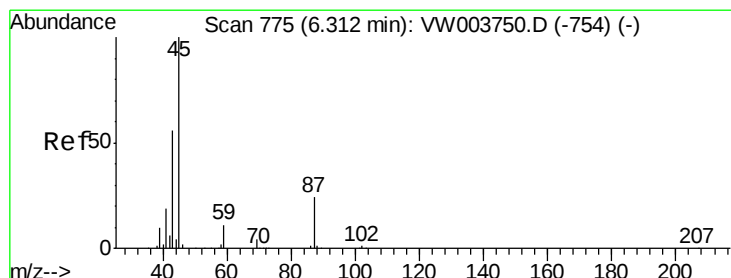
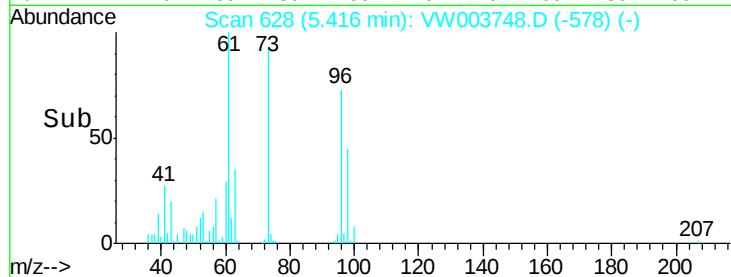
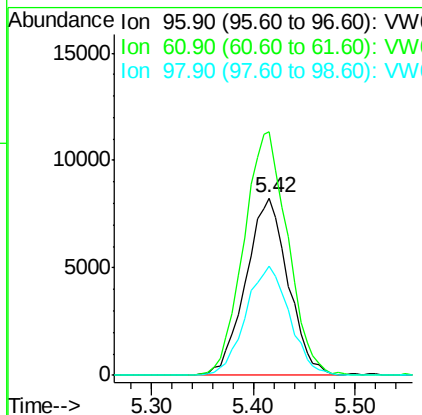
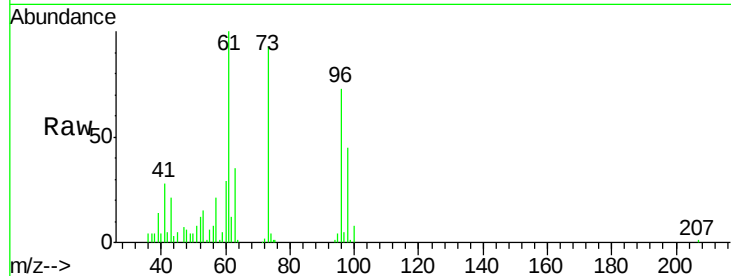
Tgt Ion: 96 Resp: 23776

Ion Ratio Lower Upper

96 100

61 137.3 119.0 178.6

98 61.6 49.8 74.8



#22

Diisopropyl ether

Concen: 10.560 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Tgt Ion: 45 Resp: 72706

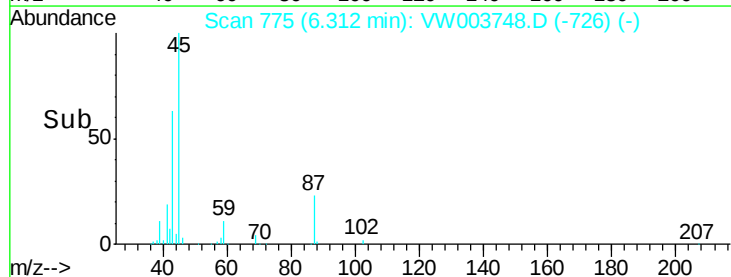
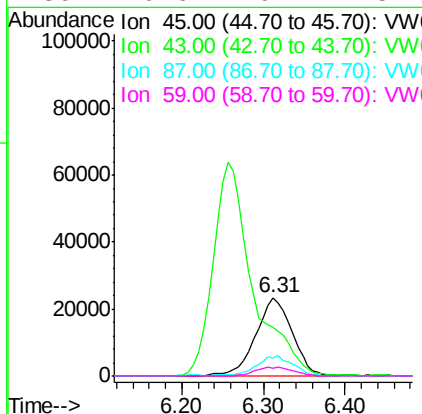
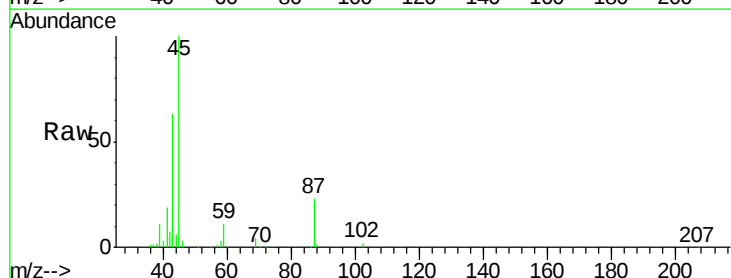
Ion Ratio Lower Upper

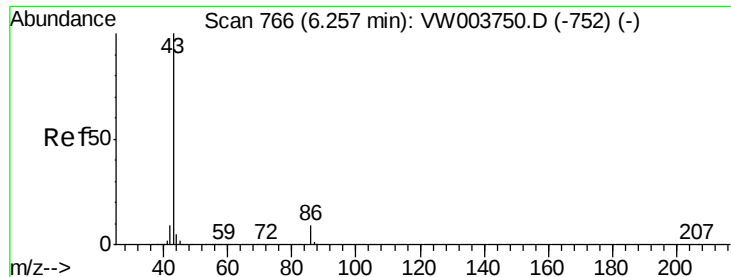
45 100

43 61.7 44.5 66.7

87 23.0 19.6 29.4

59 10.6 9.1 13.7





#23

Vinyl Acetate

Concen: 51.387 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

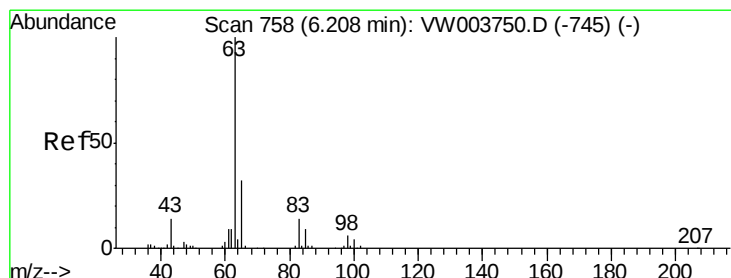
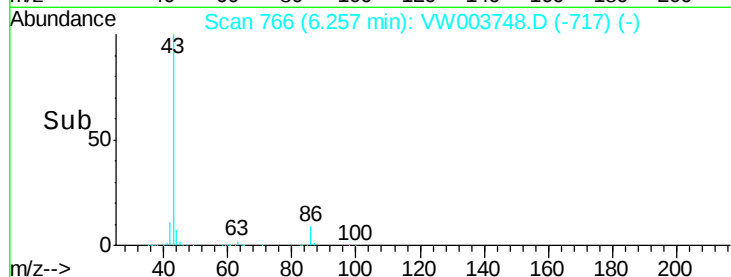
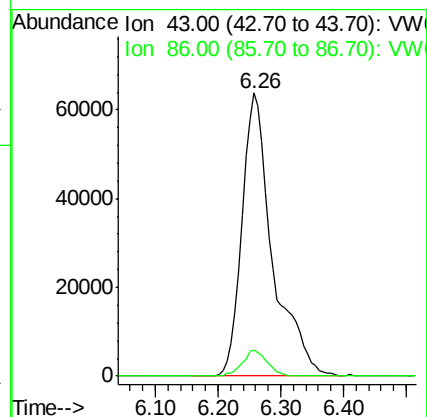
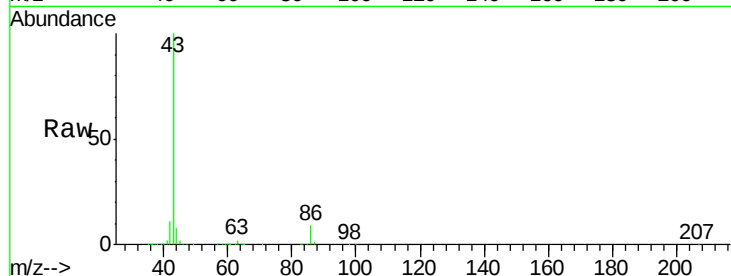
VSTDIC010

Tgt Ion: 43 Resp: 215623

Ion Ratio Lower Upper

43 100

86 9.0 7.3 10.9



#24

1,1-Dichloroethane

Concen: 11.282 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.01 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

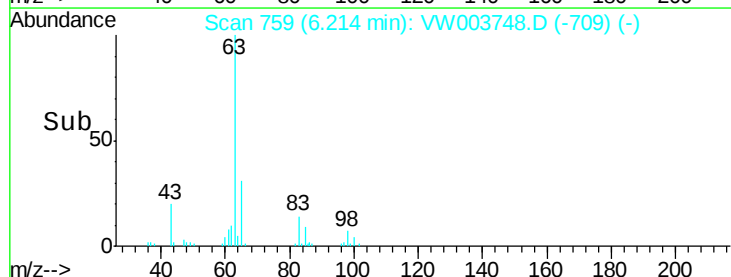
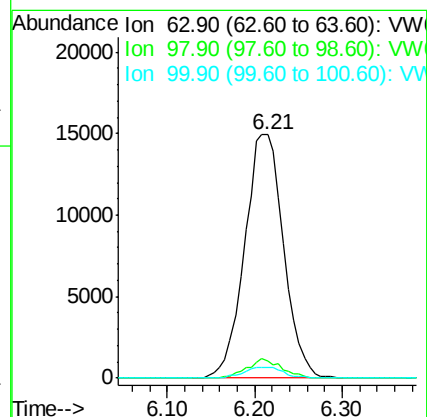
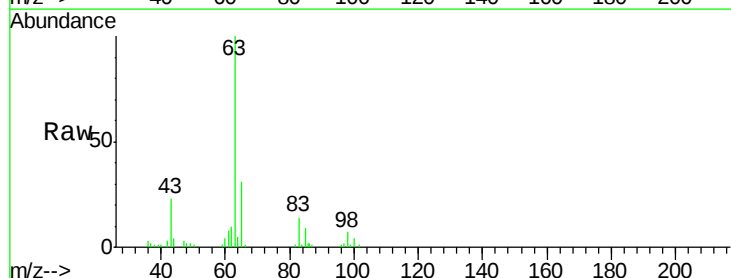
Tgt Ion: 63 Resp: 46166

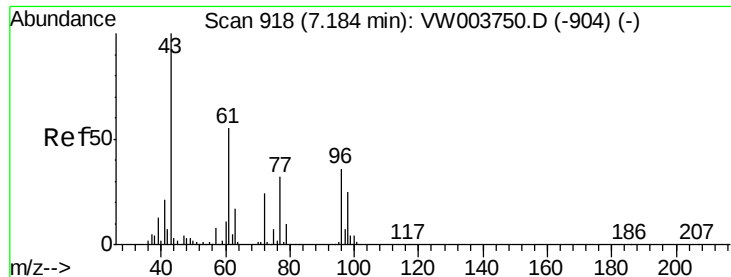
Ion Ratio Lower Upper

63 100

98 6.9 3.2 9.6

100 4.1 2.1 6.2





#25

2-Butanone

Concen: 47.840 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Instrument :

MSVOA_W

ClientSampled :

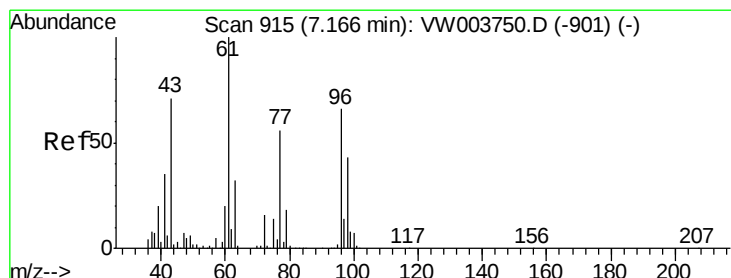
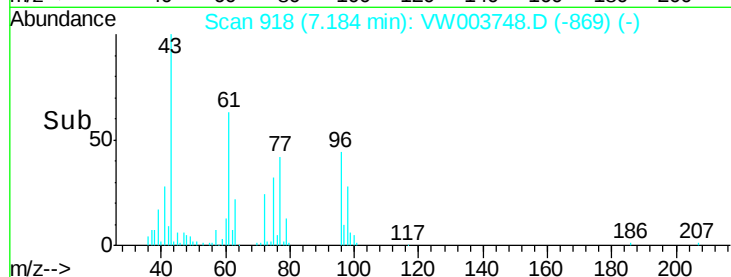
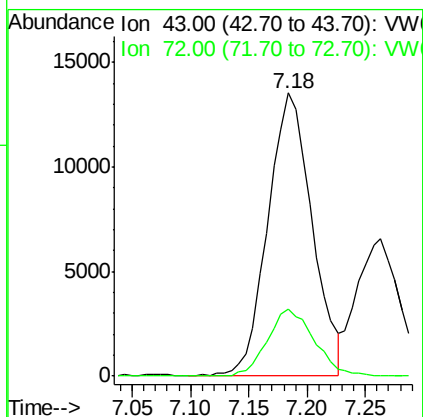
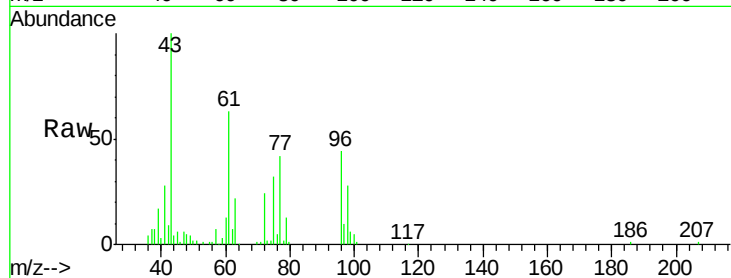
VSTDIC010

Tgt Ion: 43 Resp: 35629

Ion Ratio Lower Upper

43 100

72 23.6 19.4 29.2



#26

2,2-Dichloropropane

Concen: 10.414 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW003748.D

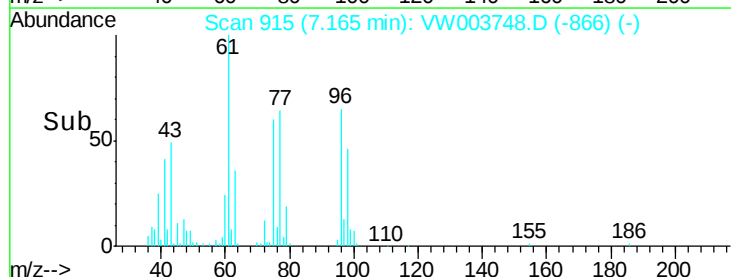
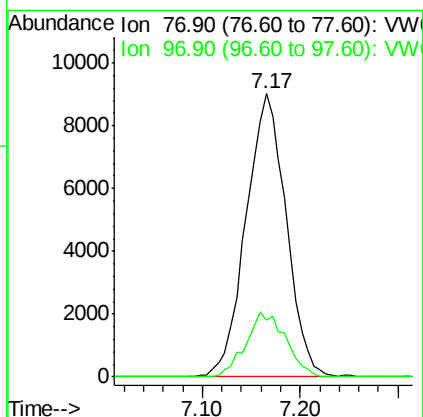
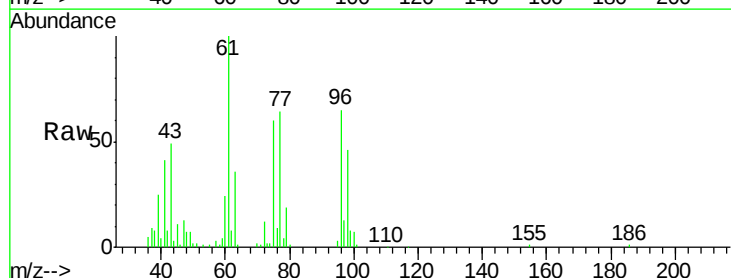
Acq: 06 Jul 2018 23:14

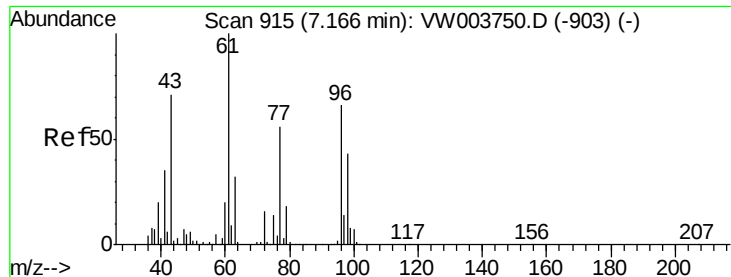
Tgt Ion: 77 Resp: 25659

Ion Ratio Lower Upper

77 100

97 22.6 11.5 34.5



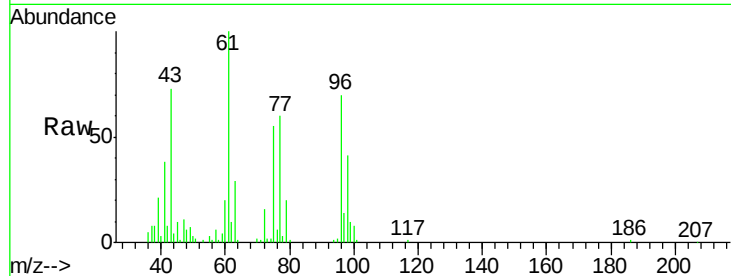


#27

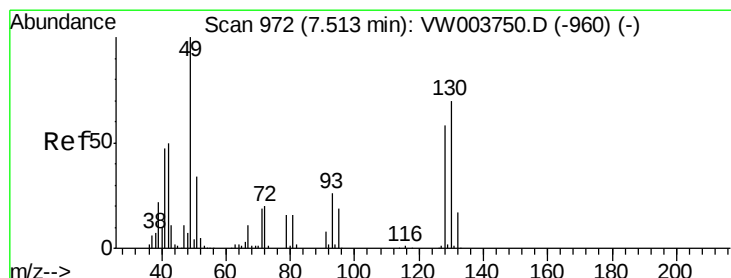
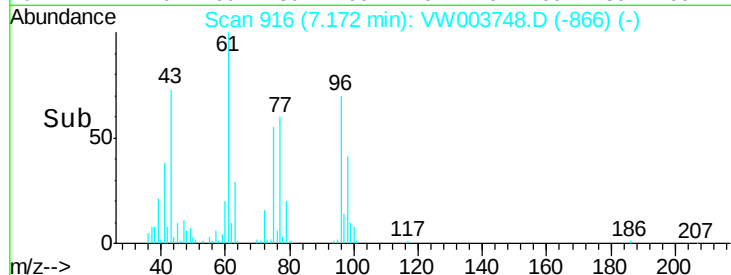
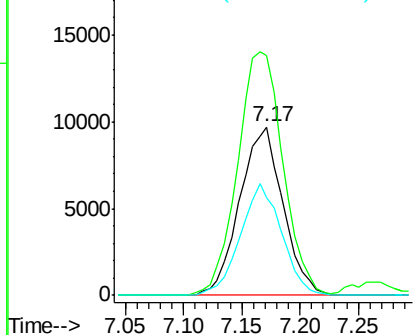
cis-1,2-Dichloroethene
Concen: 10.765 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 96 Resp: 25115
Ion Ratio Lower Upper
96 100
61 152.2 0.0 300.8
98 63.4 0.0 128.6



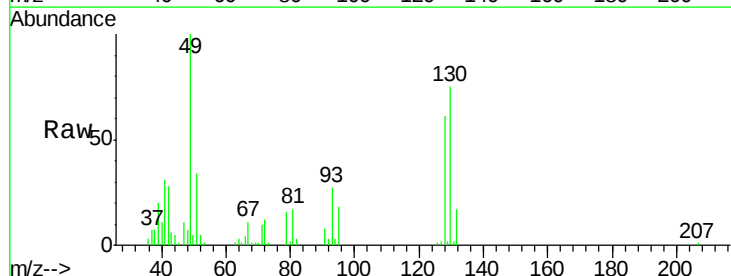
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



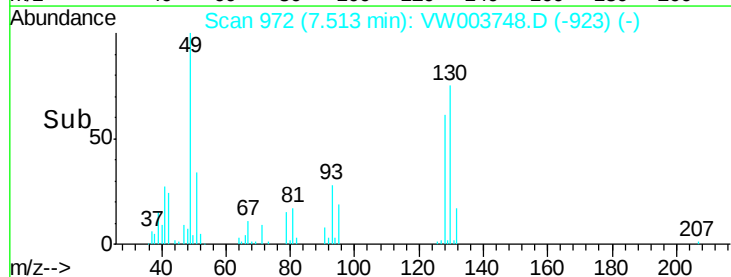
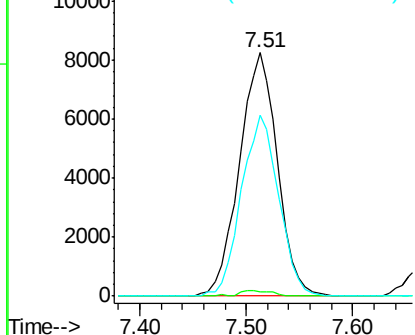
#28

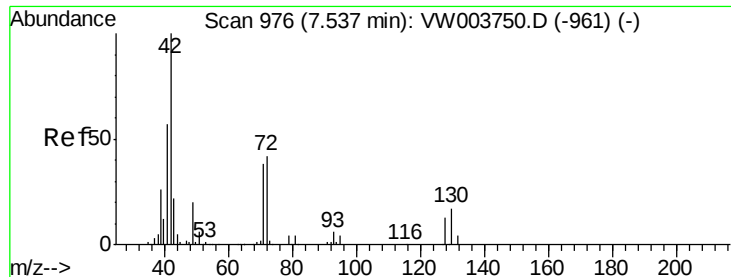
Bromochloromethane
Concen: 11.539 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

Tgt Ion: 49 Resp: 20628
Ion Ratio Lower Upper
49 100
129 1.8 0.0 4.4
130 73.0 56.9 85.3



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

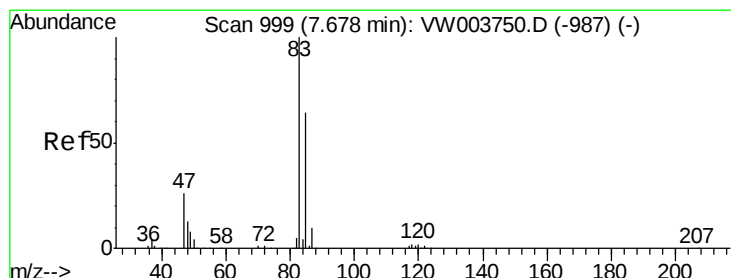
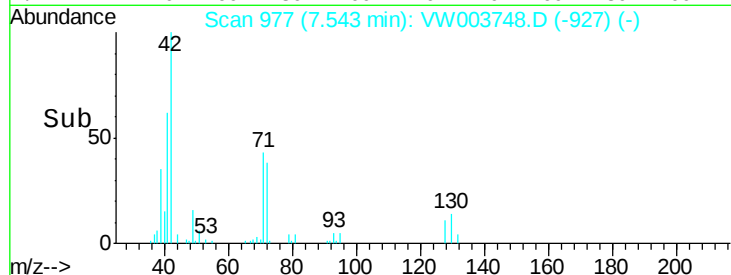
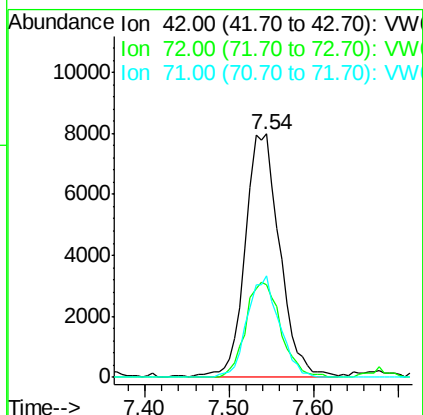
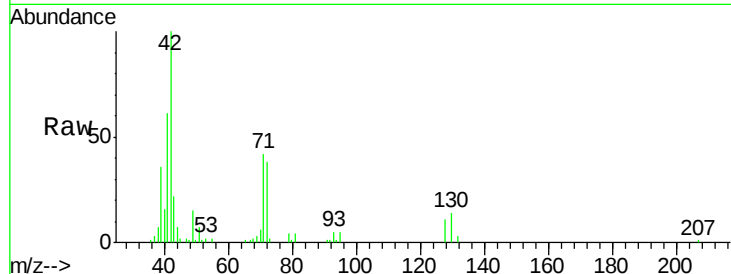




#29
Tetrahydrofuran
Concen: 49.396 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

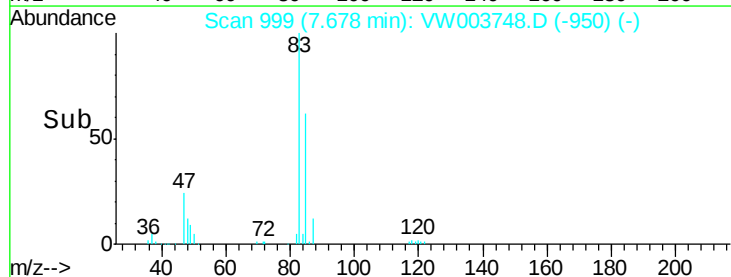
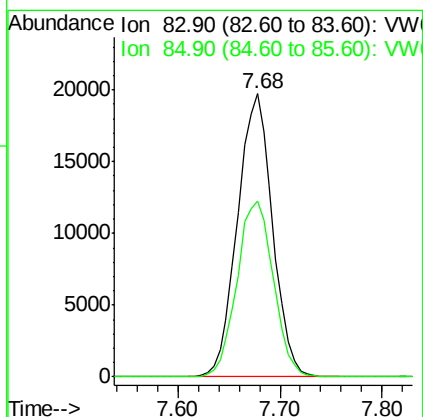
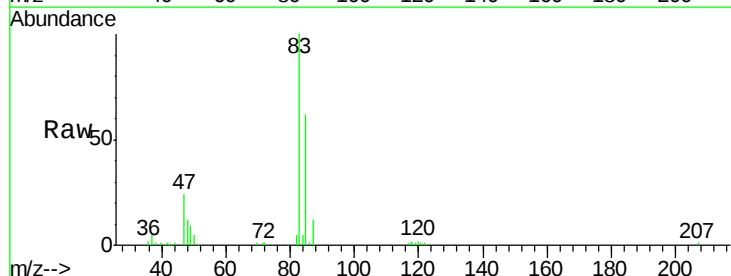
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

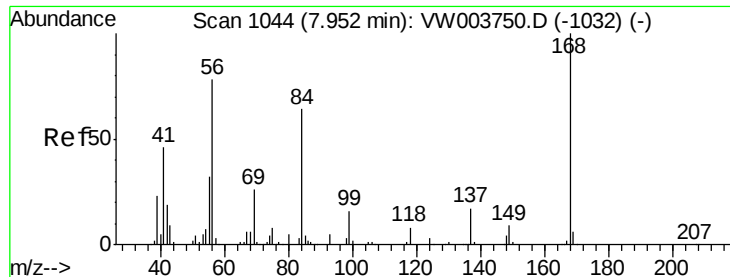
Tgt Ion: 42 Resp: 22304
Ion Ratio Lower Upper
42 100
72 39.3 31.8 47.8
71 38.6 30.3 45.5



#30
Chloroform
Concen: 11.338 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

Tgt Ion: 83 Resp: 46990
Ion Ratio Lower Upper
83 100
85 62.1 51.5 77.3





#31

Cyclohexane

Concen: 10.829 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

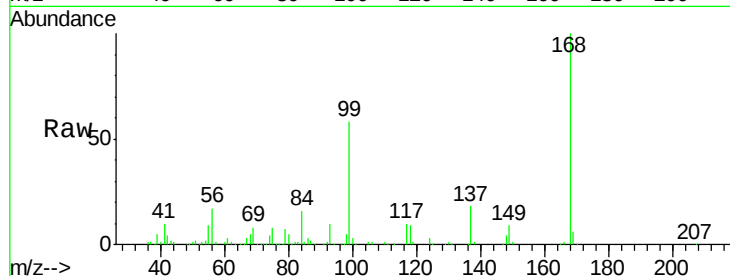
Tgt Ion: 56 Resp: 40080

Ion Ratio Lower Upper

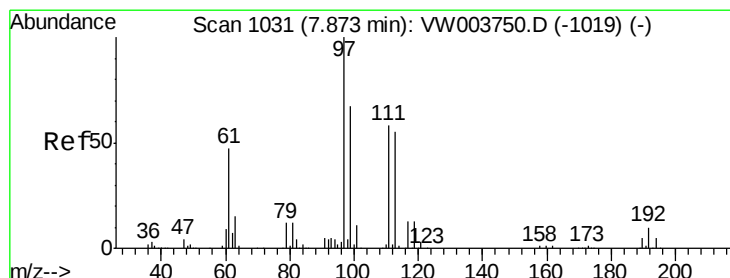
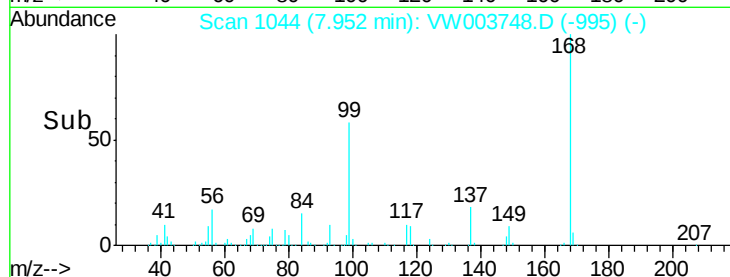
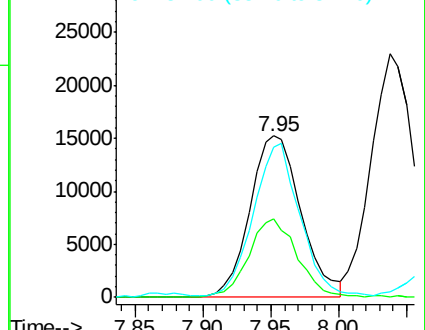
56 100

69 48.8 26.2 39.4#

84 92.2 65.5 98.3



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



#32

1,1,1-Trichloroethane

Concen: 11.016 ug/l

RT: 7.87 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

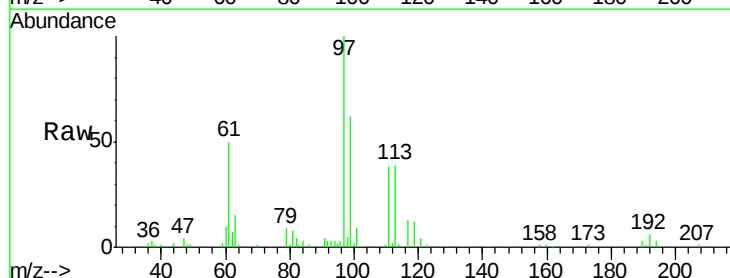
Tgt Ion: 97 Resp: 35416

Ion Ratio Lower Upper

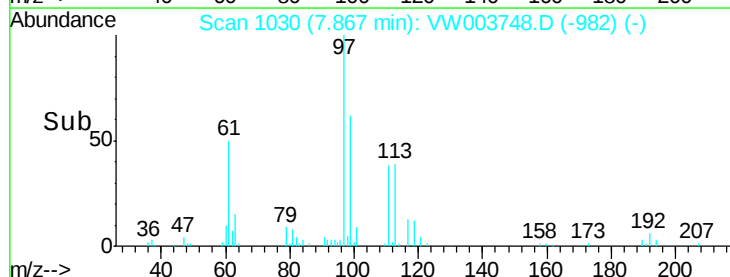
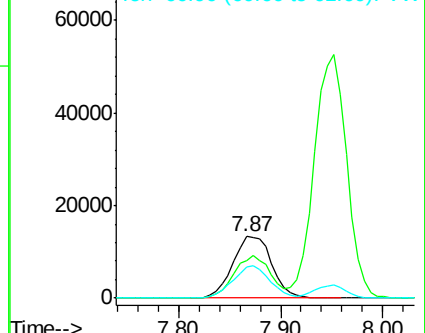
97 100

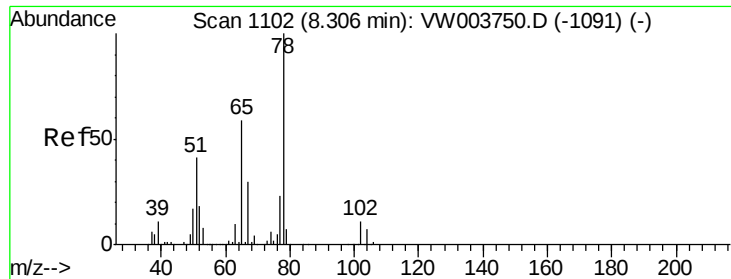
99 64.0 51.2 76.8

61 49.1 37.6 56.4



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





#33

1,2-Dichloroethane-d4

Concen: 11.573 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

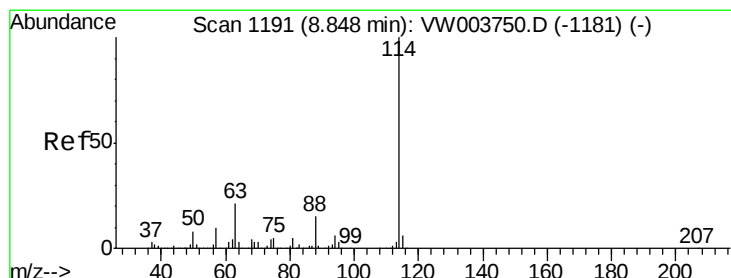
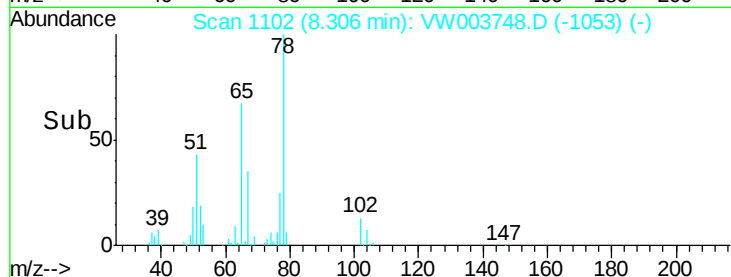
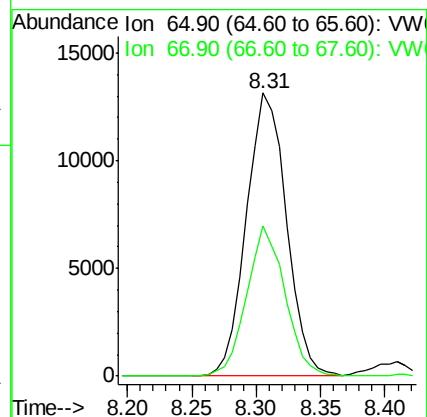
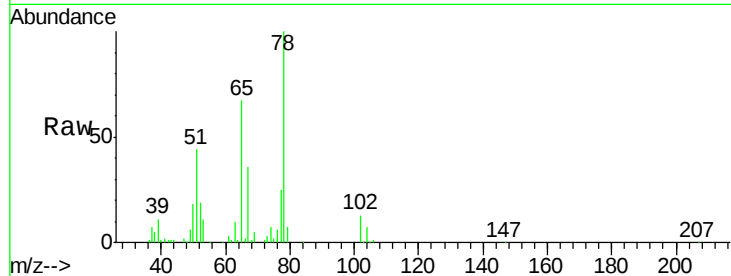
VSTDIC010

Tgt Ion: 65 Resp: 28319

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

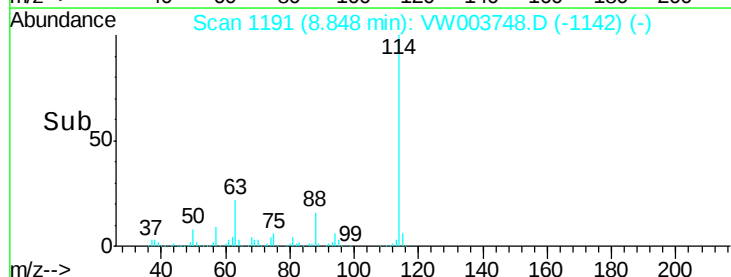
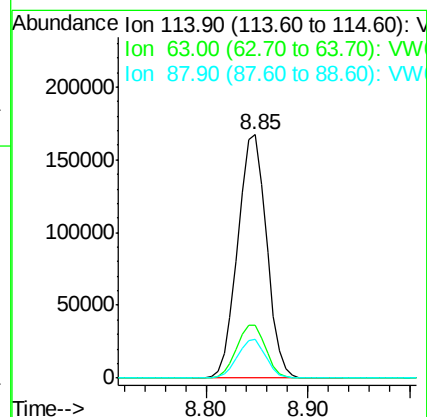
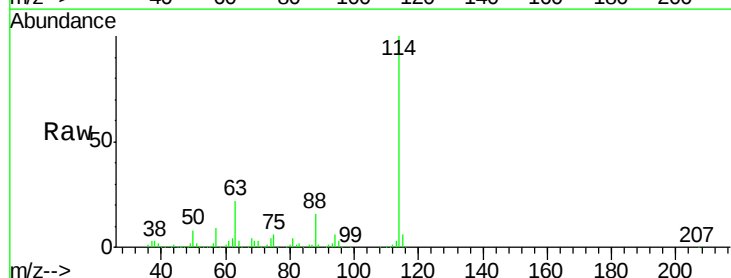
Tgt Ion: 114 Resp: 327218

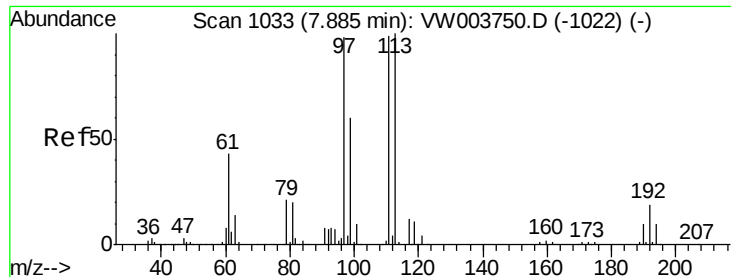
Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.8

88 16.0 0.0 30.2

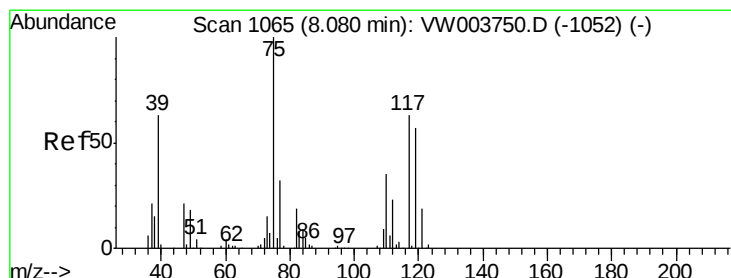
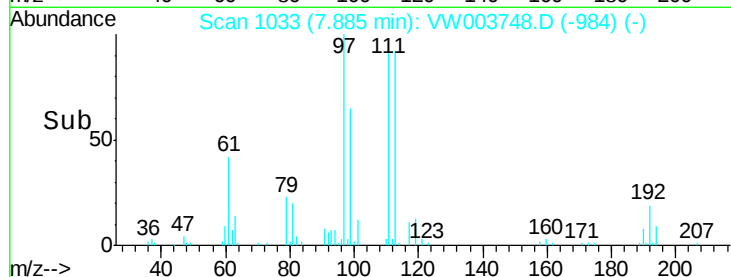
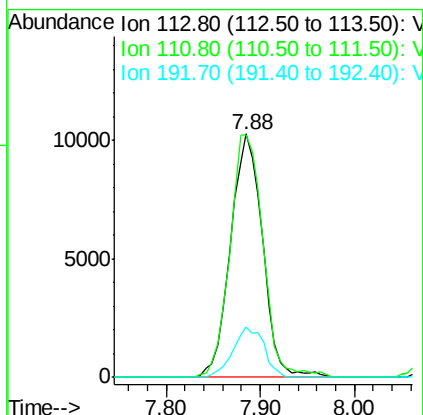
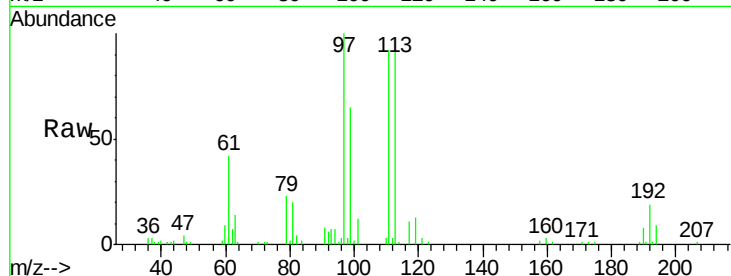




#35
 Dibromofluoromethane
 Concen: 11.245 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003748.D
 Acq: 06 Jul 2018 23:14

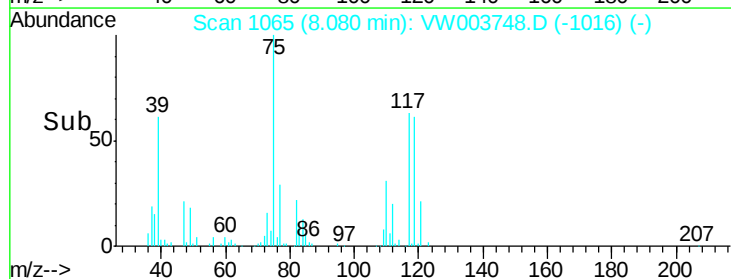
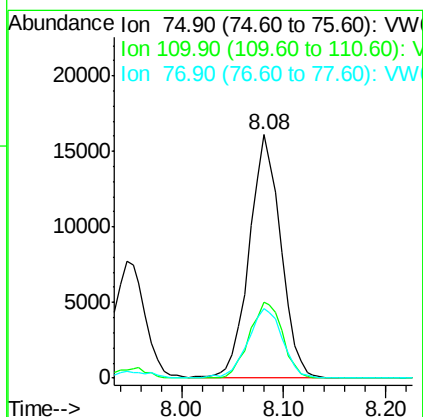
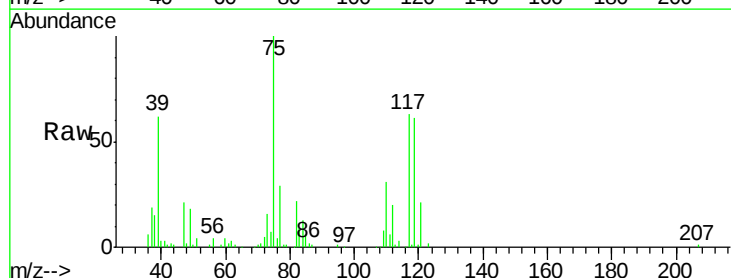
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

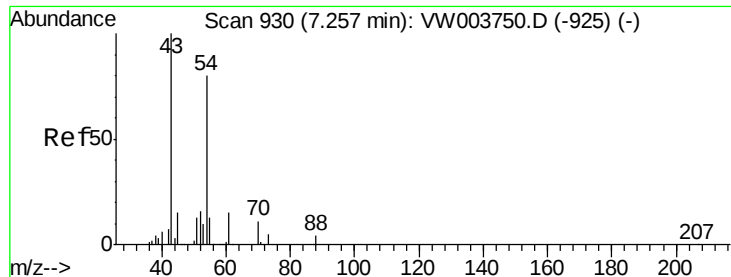
Tgt Ion:113 Resp: 24232
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.7 122.5
 192 19.9 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 10.500 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW003748.D
 Acq: 06 Jul 2018 23:14

Tgt Ion: 75 Resp: 34789
 Ion Ratio Lower Upper
 75 100
 110 32.9 16.9 50.6
 77 31.7 24.8 37.2

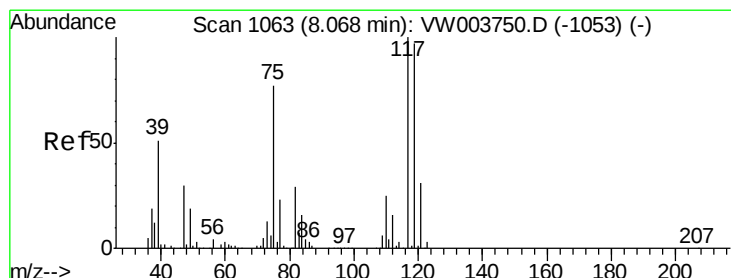
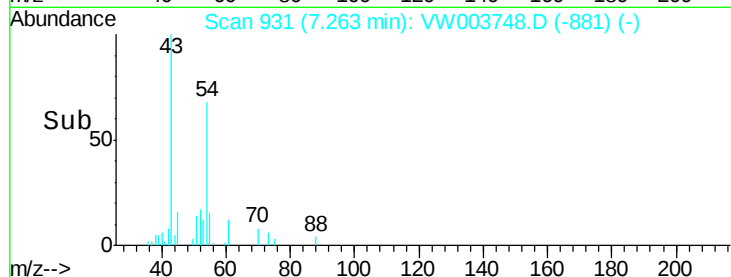
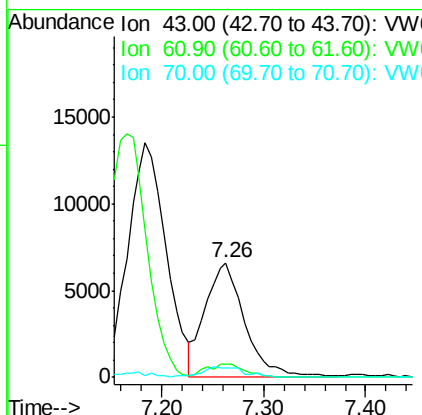
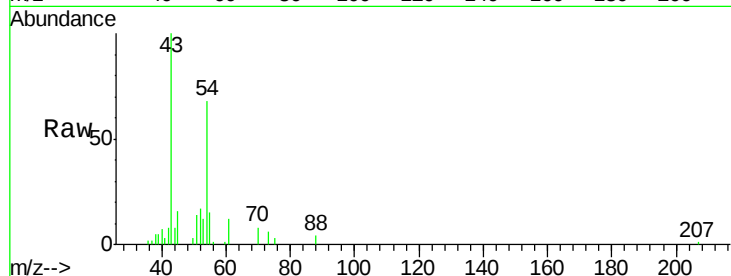




#37
 Ethyl Acetate
 Concen: 11.027 ug/l
 RT: 7.26 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: VW003748.D
 Acq: 06 Jul 2018 23:14

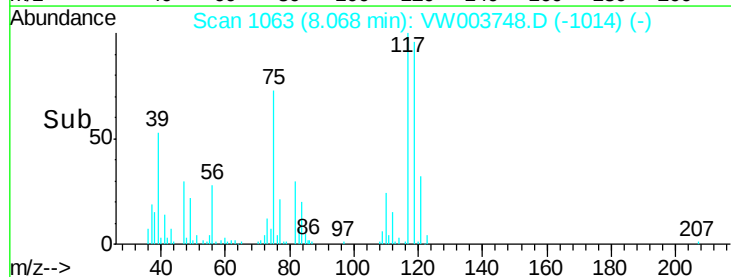
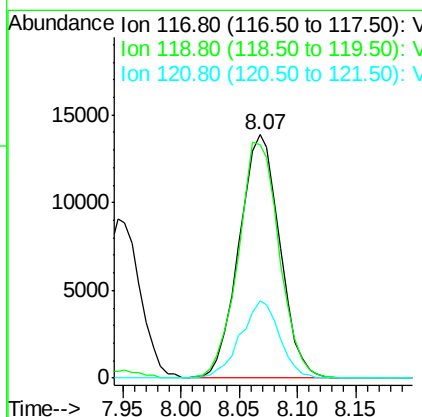
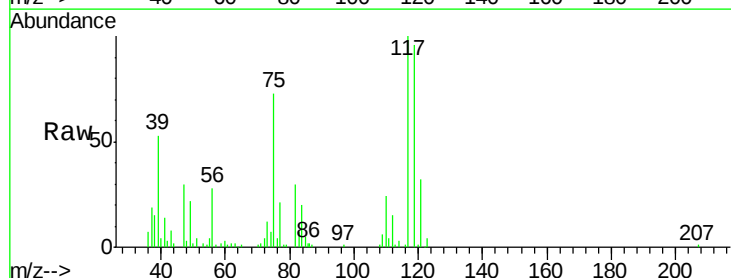
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

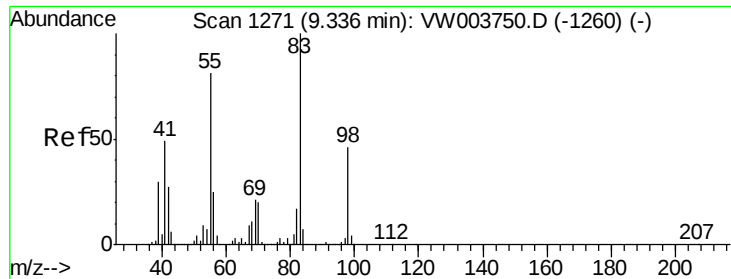
Tgt Ion: 43 Resp: 17934
 Ion Ratio Lower Upper
 43 100
 61 11.6 10.6 15.8
 70 9.9 7.5 11.3



#38
 Carbon Tetrachloride
 Concen: 10.740 ug/l
 RT: 8.07 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VW003748.D
 Acq: 06 Jul 2018 23:14

Tgt Ion: 117 Resp: 33830
 Ion Ratio Lower Upper
 117 100
 119 95.9 77.4 116.2
 121 31.8 24.6 37.0

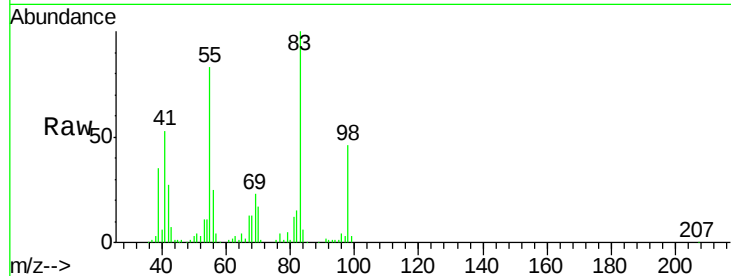




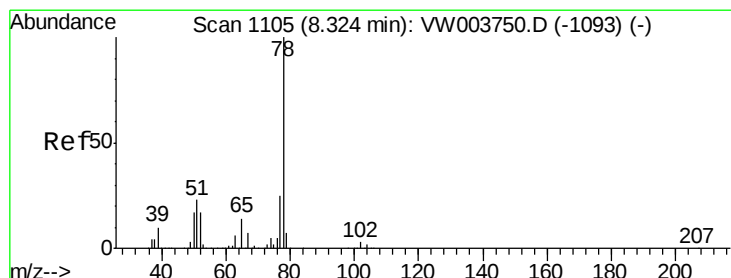
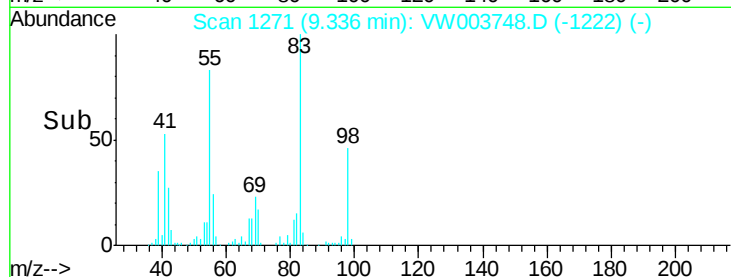
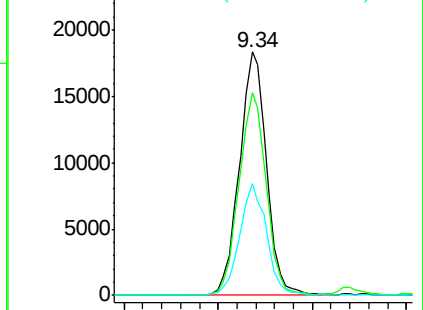
#39
Methylcyclohexane
Concen: 9.716 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 83 Resp: 36853
Ion Ratio Lower Upper
83 100
55 83.5 65.1 97.7
98 46.0 36.7 55.1

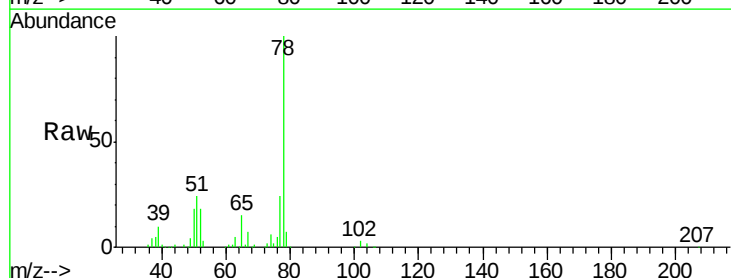


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

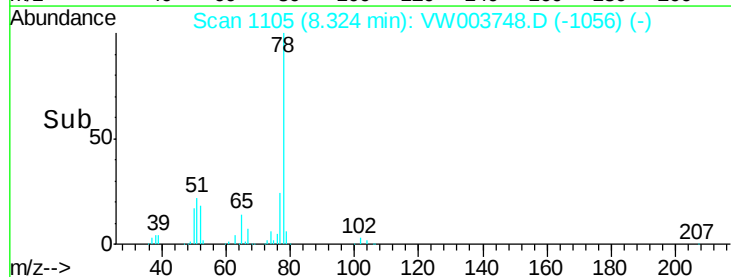
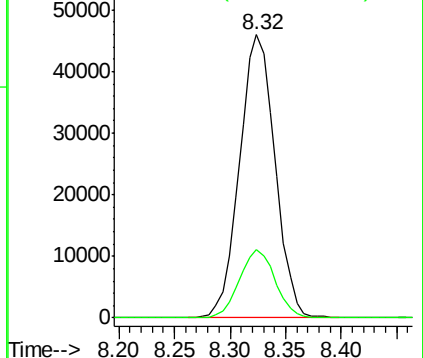


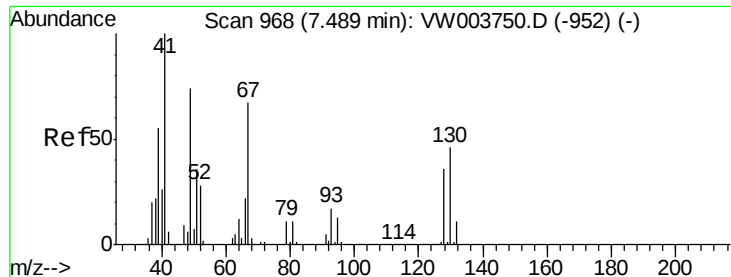
#40
Benzene
Concen: 10.893 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

Tgt Ion: 78 Resp: 101782
Ion Ratio Lower Upper
78 100
77 24.4 19.7 29.5



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

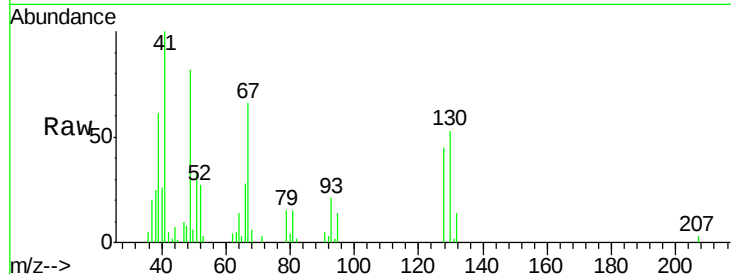




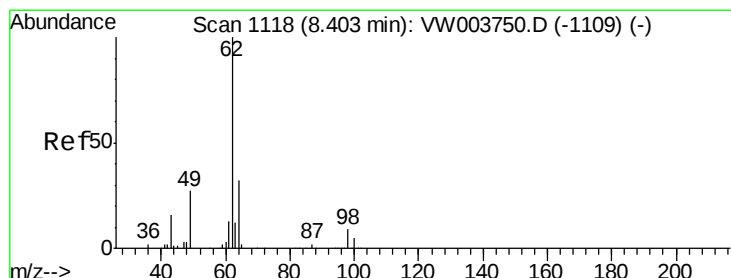
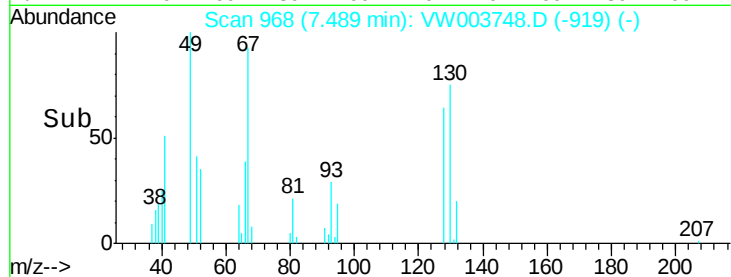
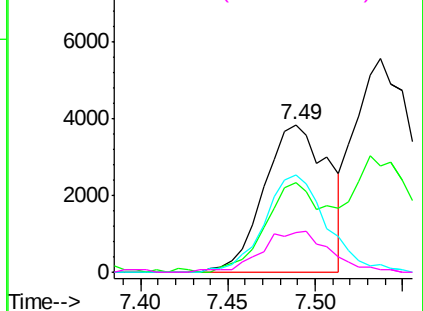
#41
Methacrylonitrile
Concen: 10.624 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tgt Ion:	41	Resp:	9858
Ion	Ratio	Lower	Upper
41	100		
39	58.7	49.5	74.3
67	64.0	53.8	80.8
52	29.3	24.3	36.5

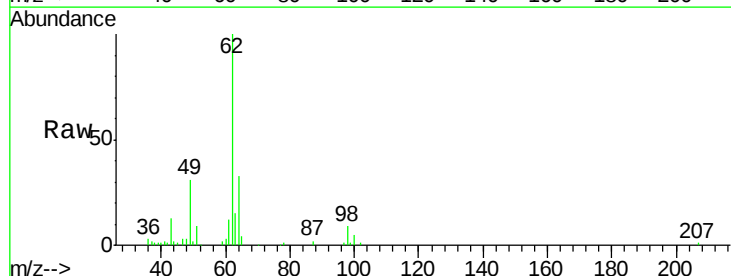


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

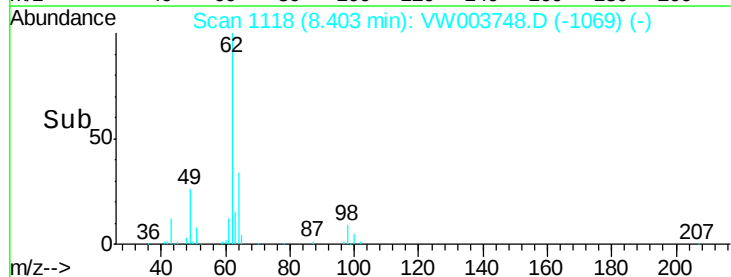
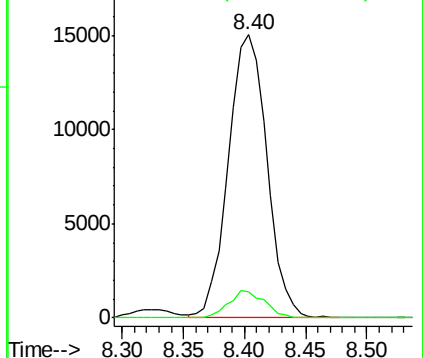


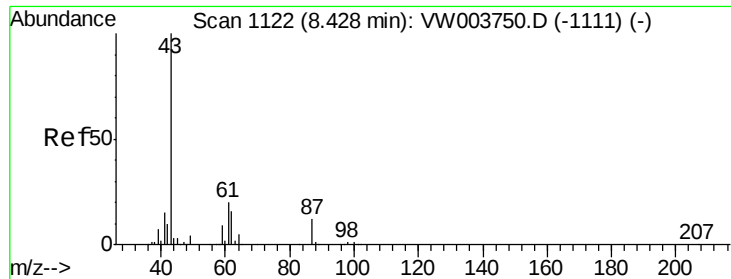
#42
1,2-Dichloroethane
Concen: 11.121 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

Tgt Ion:	62	Resp:	32939
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.4



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

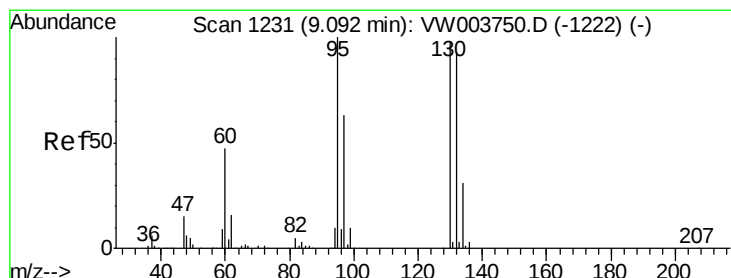
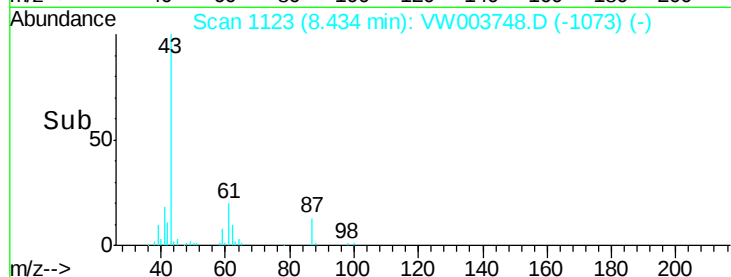
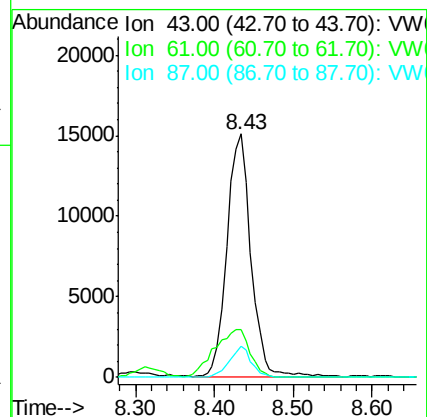
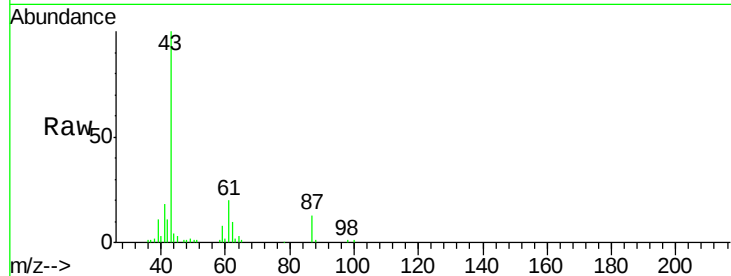




#43
Isopropyl Acetate
Concen: 10.518 ug/l
RT: 8.43 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

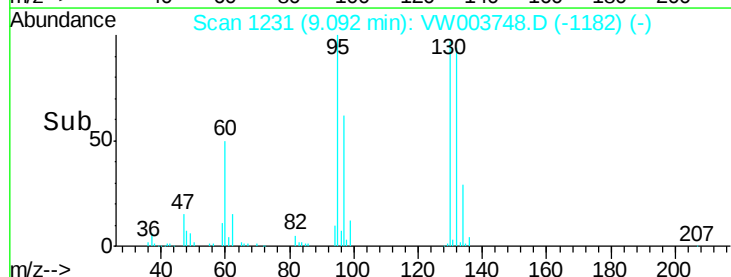
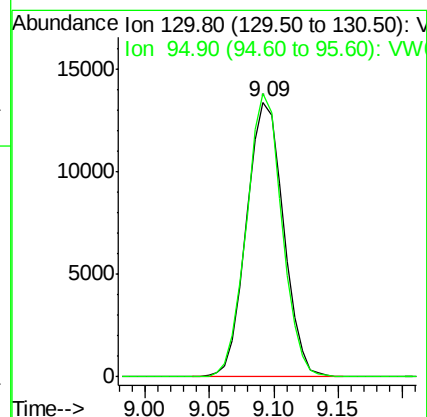
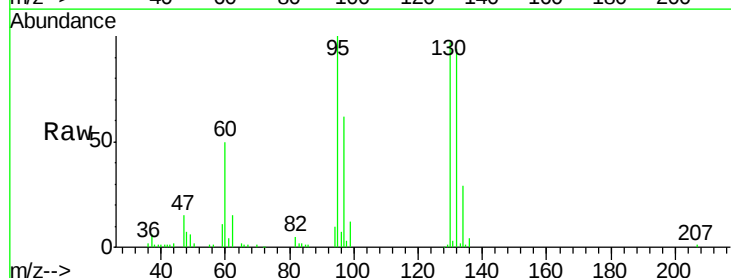
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

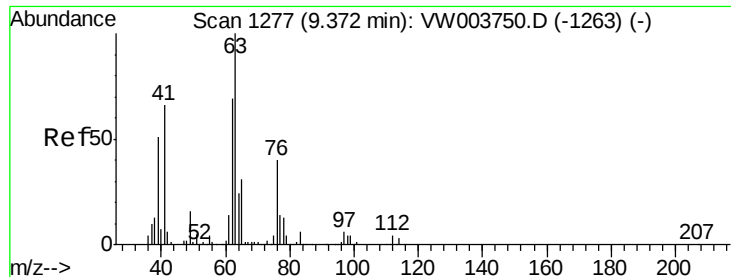
Tgt Ion: 43 Resp: 32359
Ion Ratio Lower Upper
43 100
61 28.4 22.8 34.2
87 11.4 9.5 14.3



#44
Trichloroethene
Concen: 11.010 ug/l
RT: 9.09 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

Tgt Ion: 130 Resp: 26544
Ion Ratio Lower Upper
130 100
95 103.1 0.0 203.8

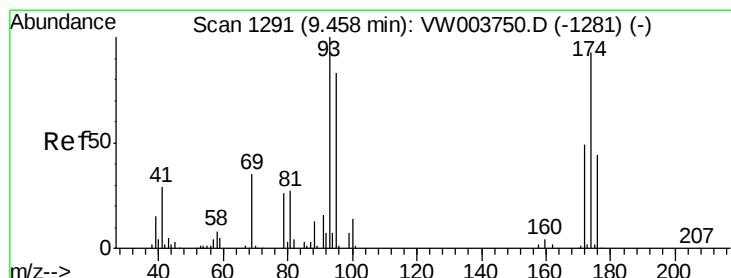
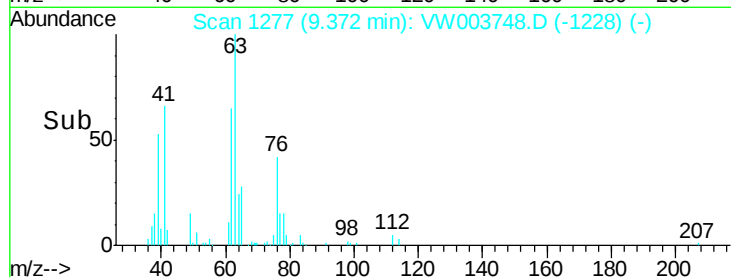
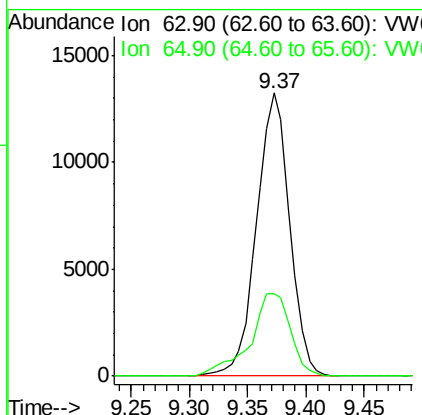
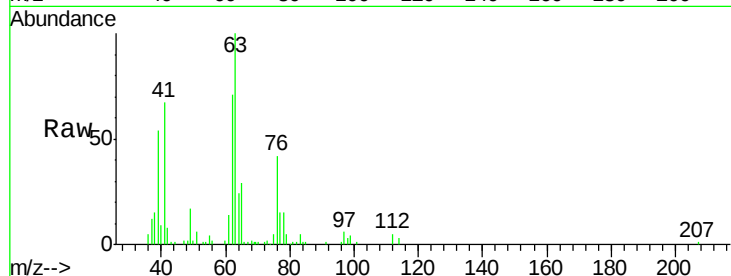




#45
 1,2-Dichloropropane
 Concen: 10.803 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW003748.D
 Acq: 06 Jul 2018 23:14

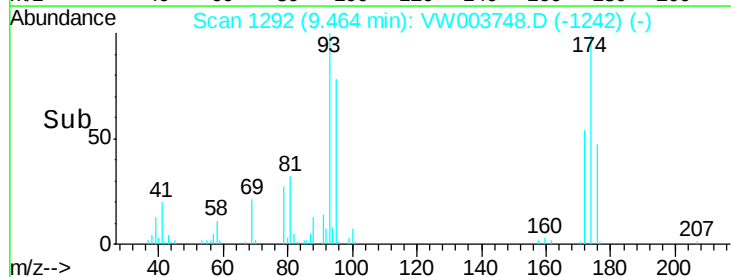
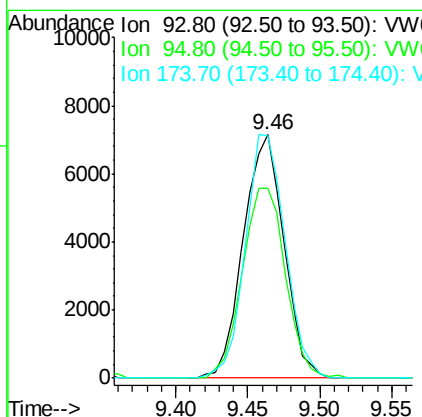
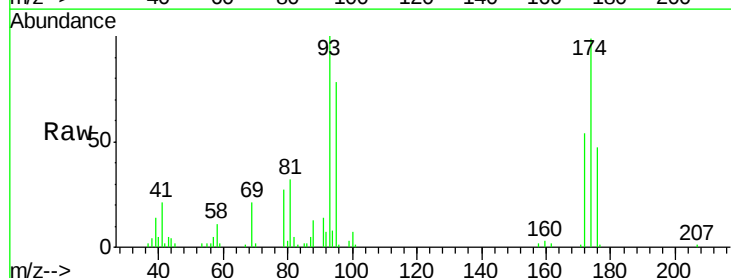
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

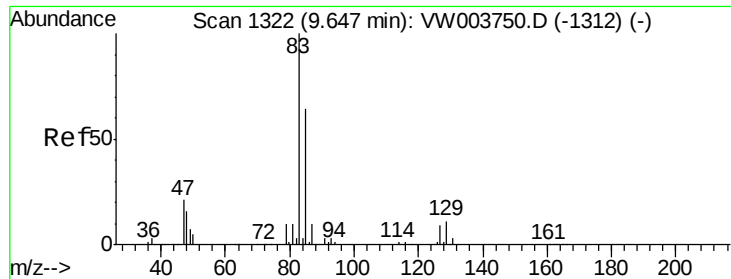
Tgt Ion: 63 Resp: 26248
 Ion Ratio Lower Upper
 63 100
 65 29.0 24.9 37.3



#46
 Dibromomethane
 Concen: 10.993 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VW003748.D
 Acq: 06 Jul 2018 23:14

Tgt Ion: 93 Resp: 13935
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.2 100.8
 174 98.2 78.1 117.1

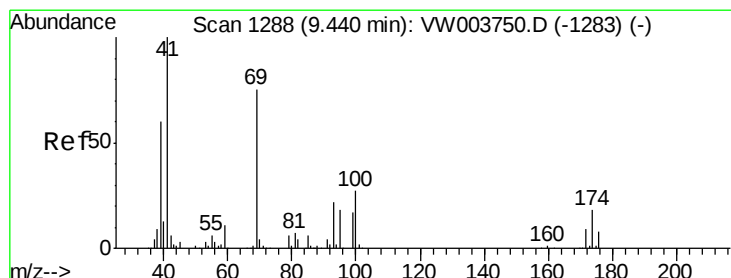
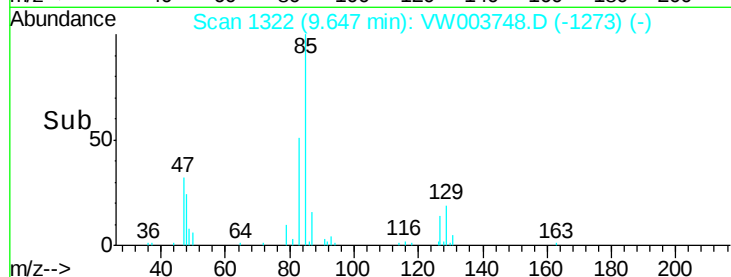
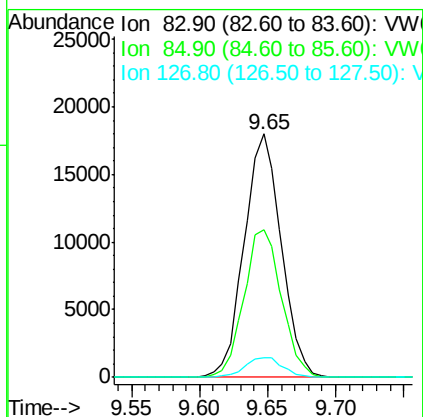
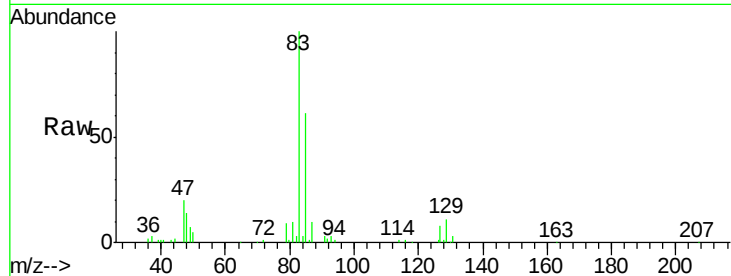




#47
Bromodichloromethane
Concen: 10.979 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

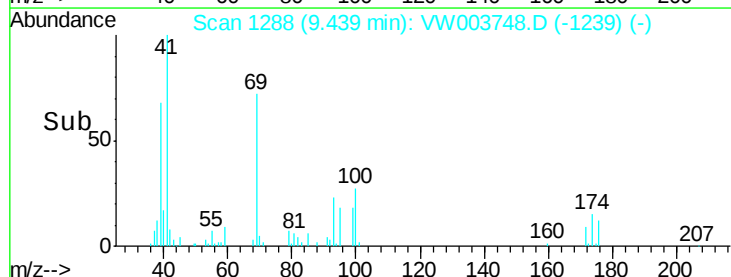
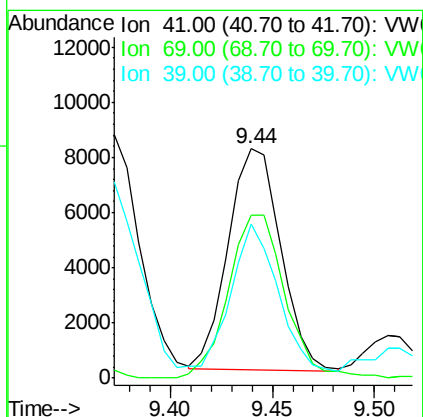
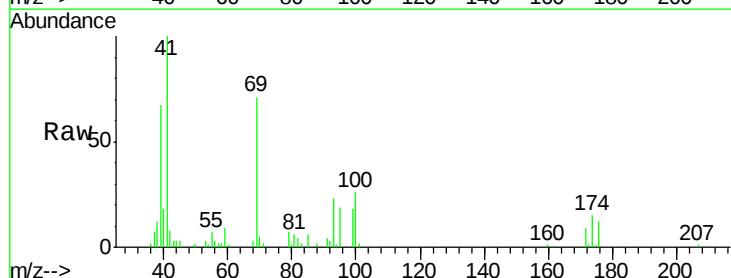
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

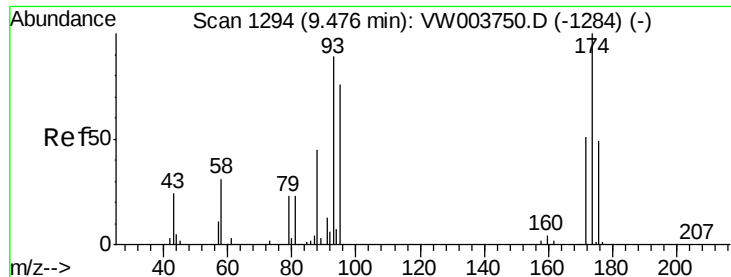
Tgt Ion: 83 Resp: 34258
Ion Ratio Lower Upper
83 100
85 60.7 51.4 77.0
127 8.2 6.8 10.2



#48
Methyl methacrylate
Concen: 9.870 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

Tgt Ion: 41 Resp: 14437
Ion Ratio Lower Upper
41 100
69 79.2 63.8 95.8
39 64.8 50.2 75.2





#49

1,4-Dioxane

Concen: 209.381 ug/l

RT: 9.48 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

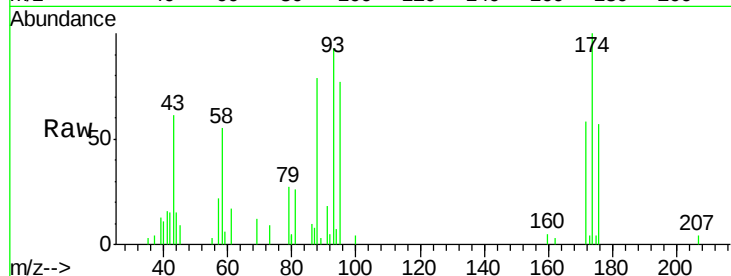
Tgt Ion: 88 Resp: 4135

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

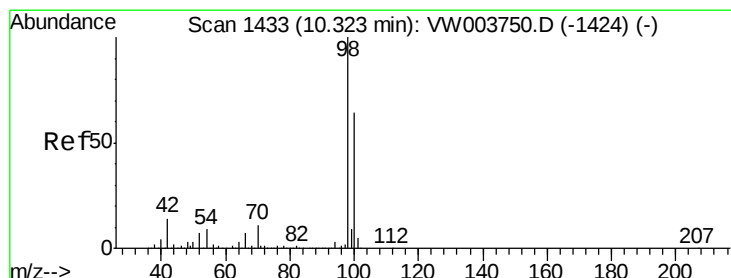
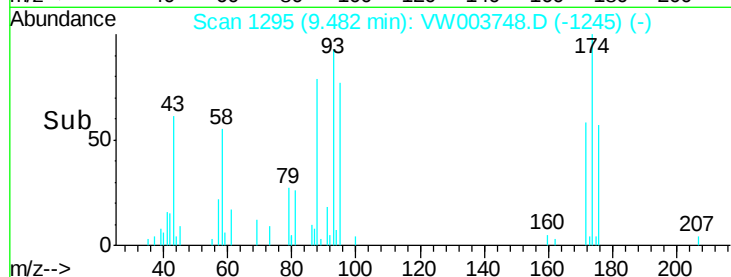
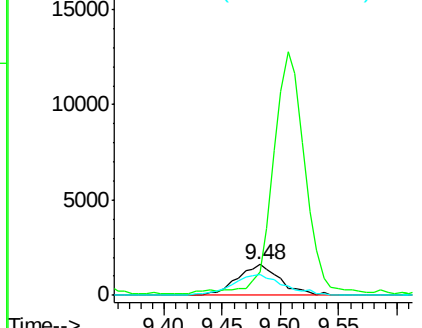
58 81.0 59.7 89.5



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 10.742 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003748.D

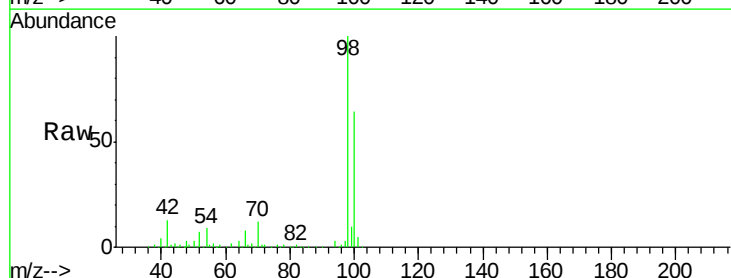
Acq: 06 Jul 2018 23:14

Tgt Ion: 98 Resp: 90638

Ion Ratio Lower Upper

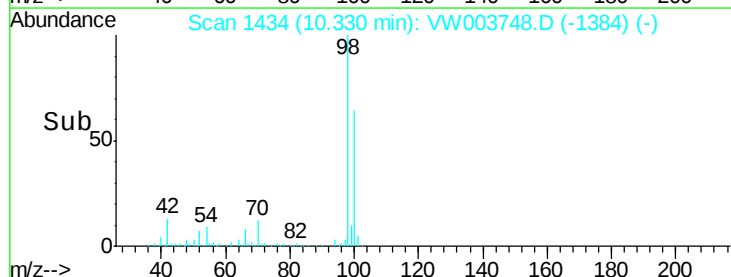
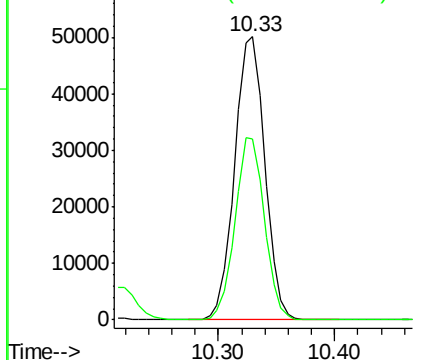
98 100

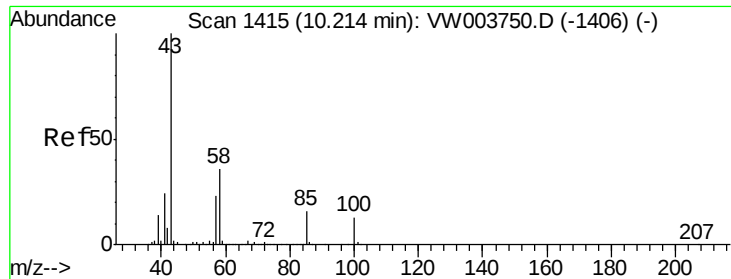
100 62.9 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

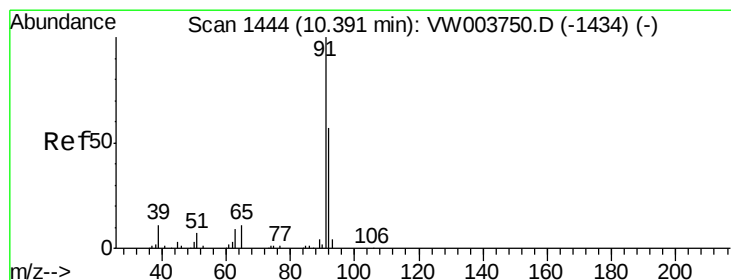
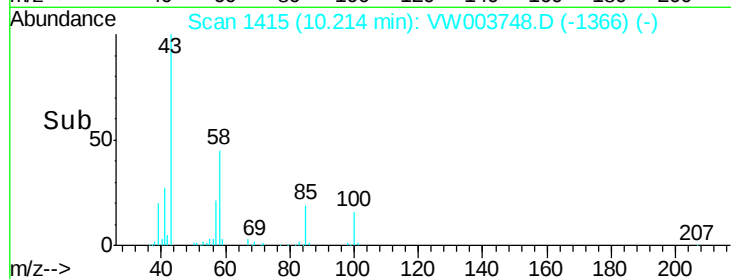
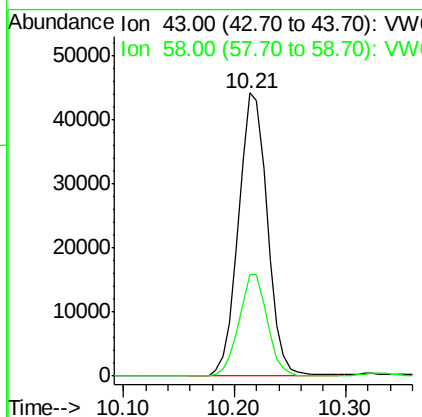
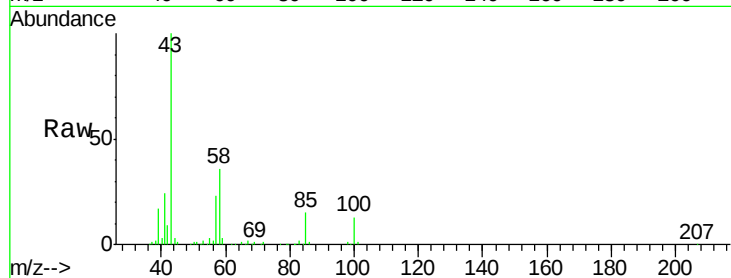




#51
 4-Methyl-2-Pentanone
 Concen: 49.088 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VW003748.D
 Acq: 06 Jul 2018 23:14

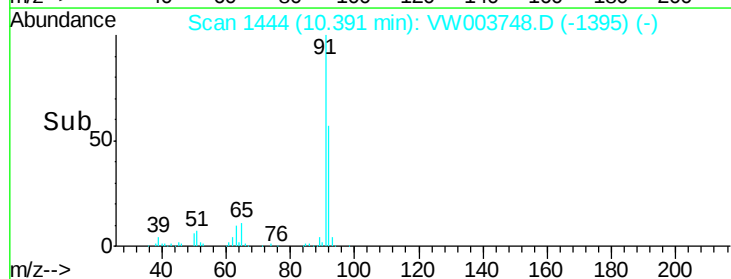
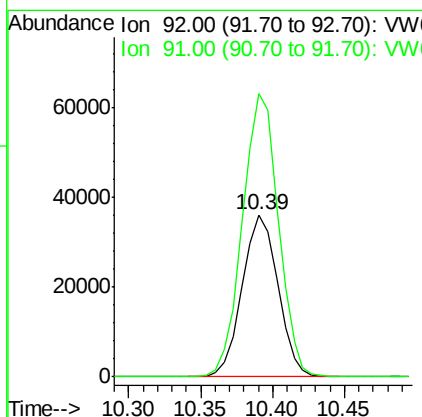
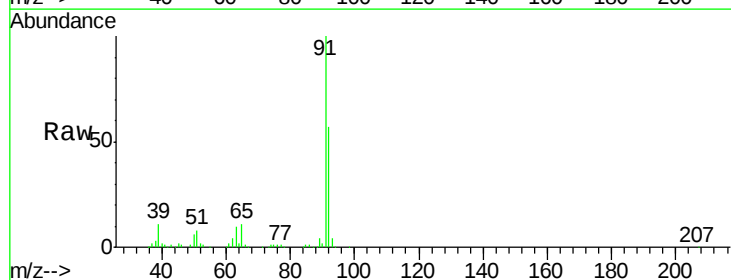
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

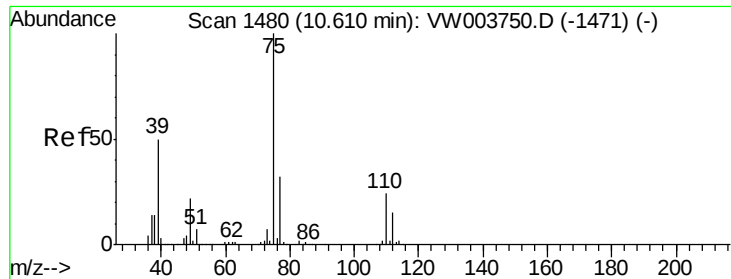
Tgt Ion: 43 Resp: 79818
 Ion Ratio Lower Upper
 43 100
 58 35.2 29.3 43.9



#52
 Toluene
 Concen: 10.653 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VW003748.D
 Acq: 06 Jul 2018 23:14

Tgt Ion: 92 Resp: 62023
 Ion Ratio Lower Upper
 92 100
 91 175.7 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 10.041 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

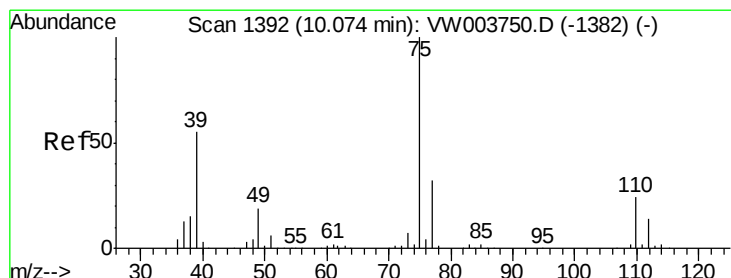
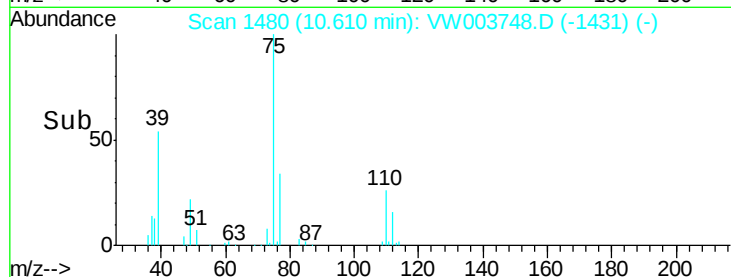
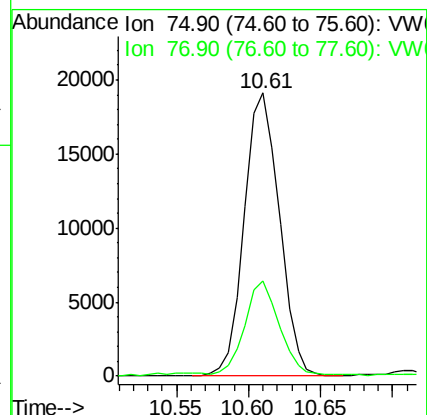
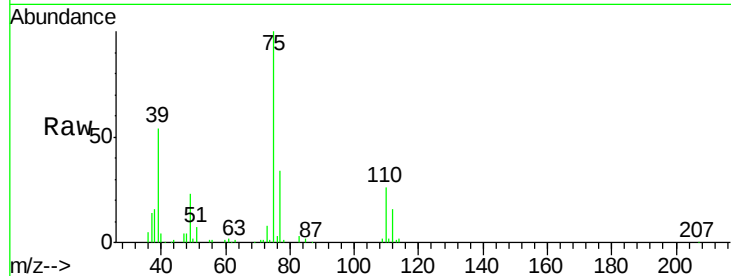
VSTDIC010

Tgt Ion: 75 Resp: 32411

Ion Ratio Lower Upper

75 100

77 33.0 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 10.283 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

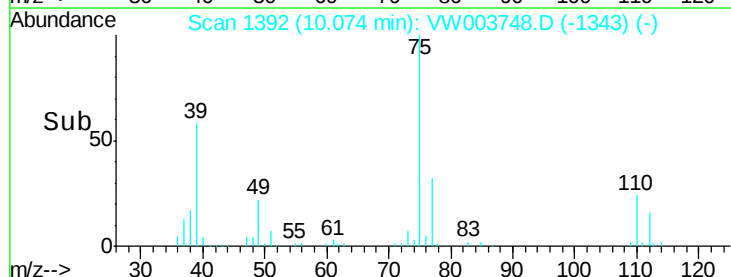
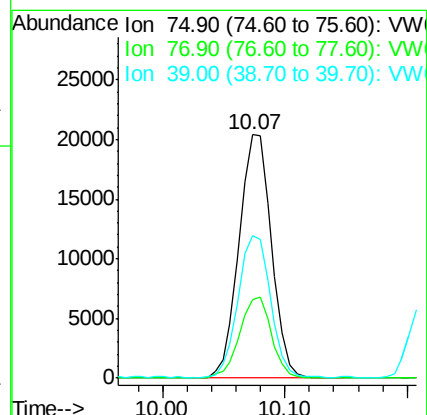
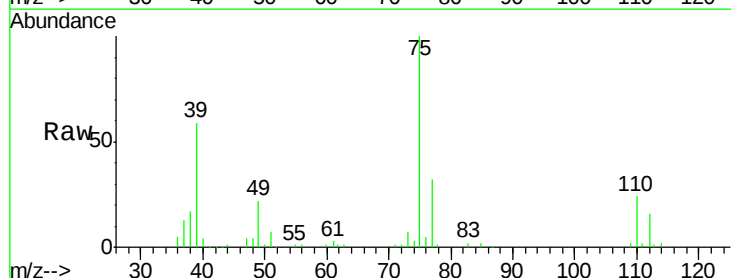
Tgt Ion: 75 Resp: 37522

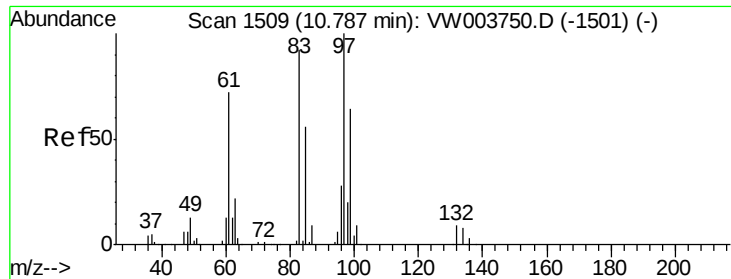
Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4

39 58.5 43.6 65.4

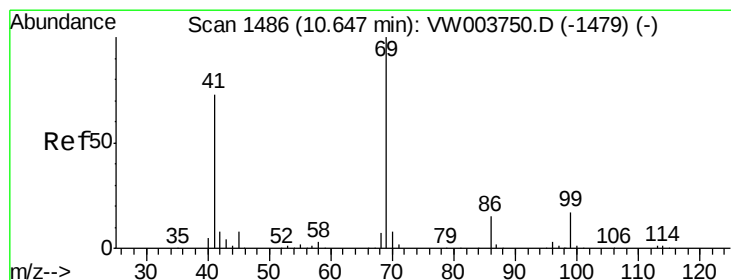
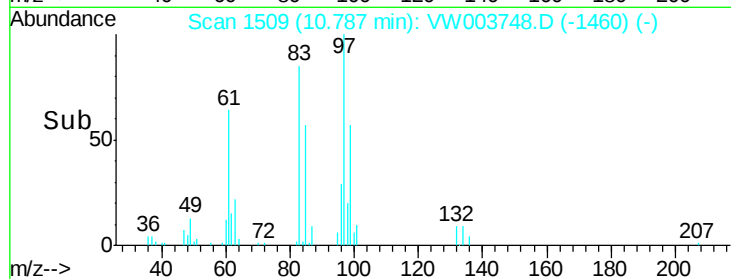
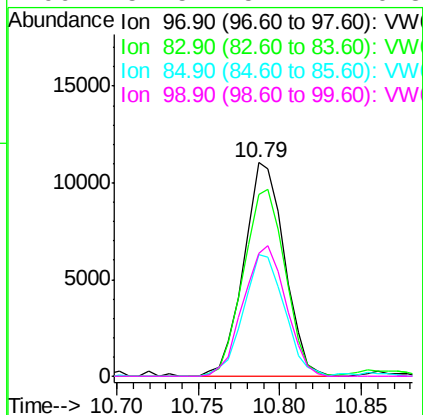
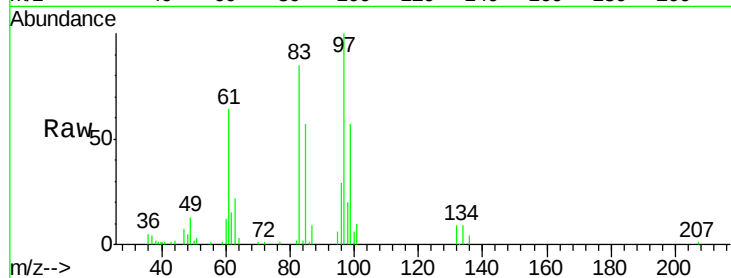




#55
 1,1,2-Trichloroethane
 Concen: 10.782 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VW003748.D
 Acq: 06 Jul 2018 23:14

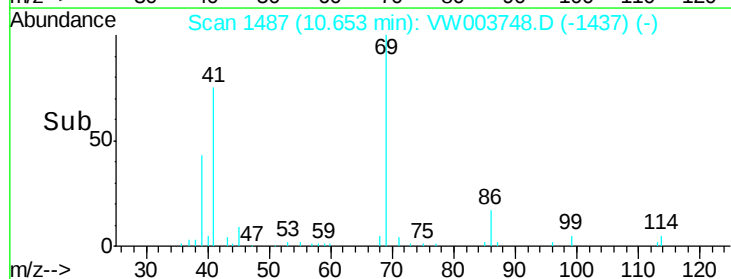
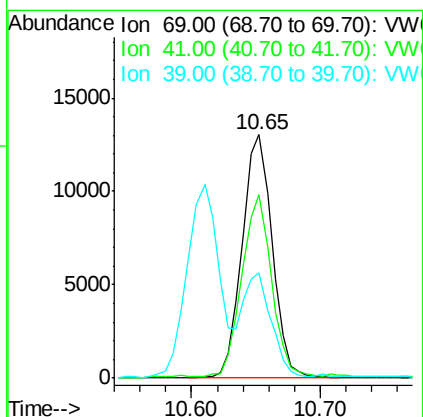
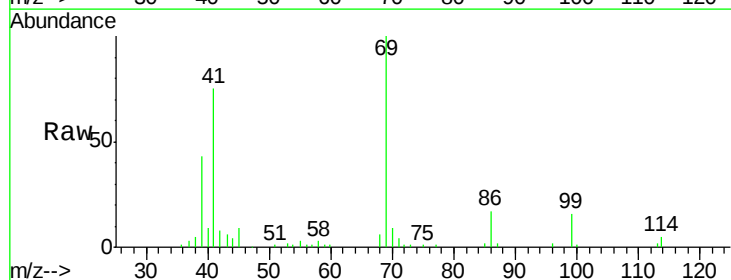
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

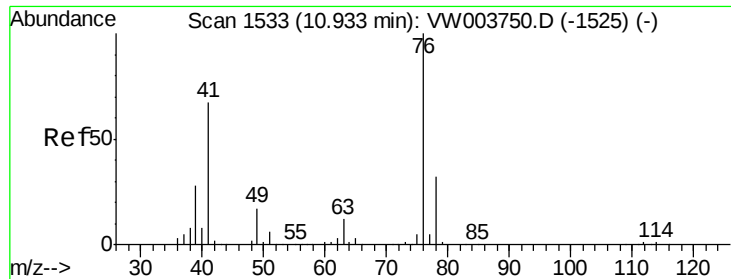
Tgt Ion:	97	Resp:	19217
Ion	Ratio	Lower	Upper
97	100		
83	85.0	73.8	110.6
85	57.2	45.0	67.4
99	57.5	51.2	76.8



#56
 Ethyl methacrylate
 Concen: 9.381 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VW003748.D
 Acq: 06 Jul 2018 23:14

Tgt Ion:	69	Resp:	21059
Ion	Ratio	Lower	Upper
69	100		
41	73.1	59.0	88.4
39	38.2	32.8	49.2

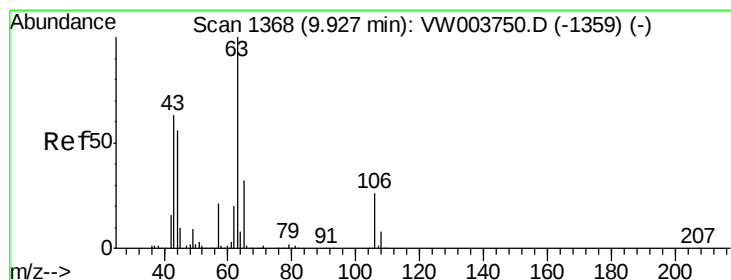
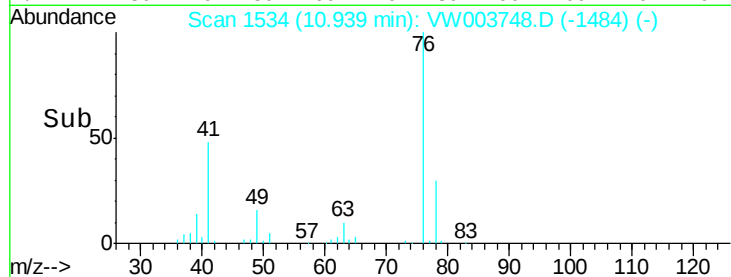
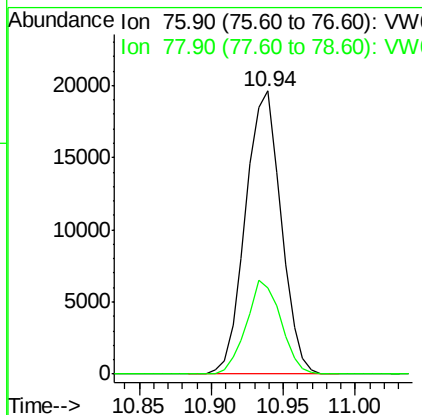
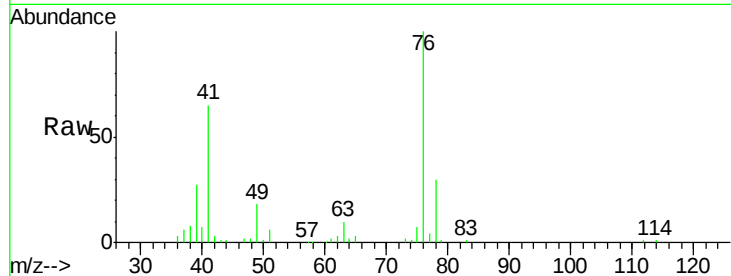




#57
 1,3-Dichloropropane
 Concen: 10.809 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW003748.D
 Acq: 06 Jul 2018 23:14

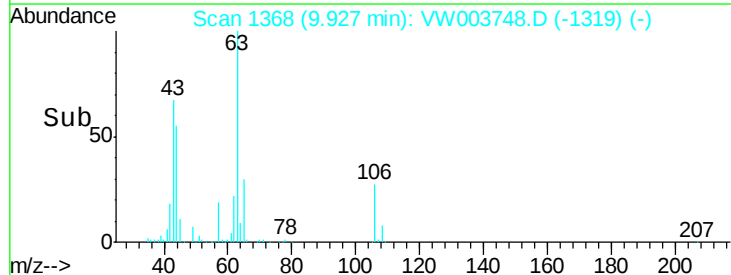
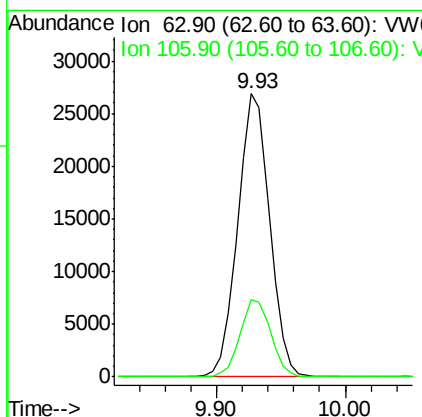
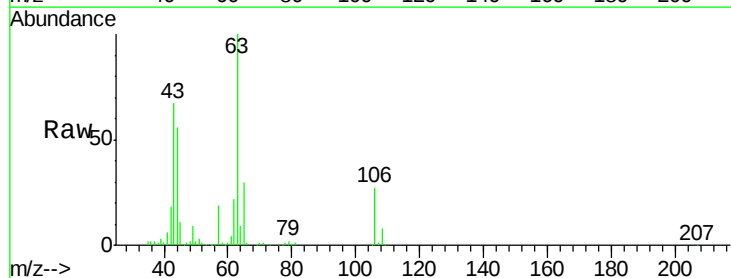
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

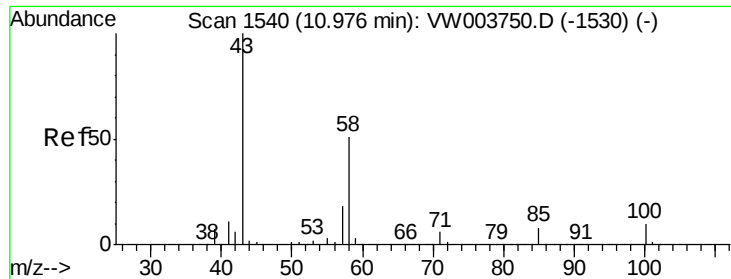
Tgt Ion: 76 Resp: 33523
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 46.115 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW003748.D
 Acq: 06 Jul 2018 23:14

Tgt Ion: 63 Resp: 45990
 Ion Ratio Lower Upper
 63 100
 106 26.3 20.9 31.3

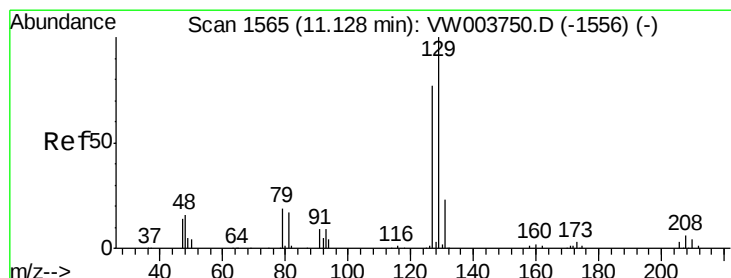
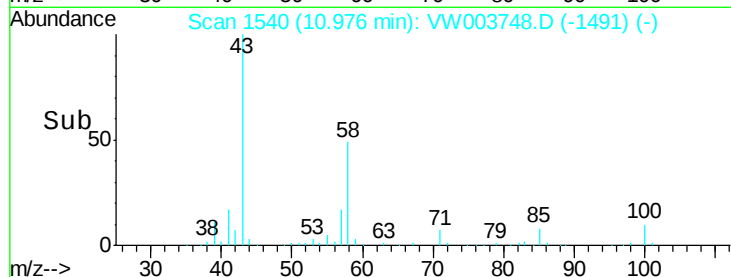
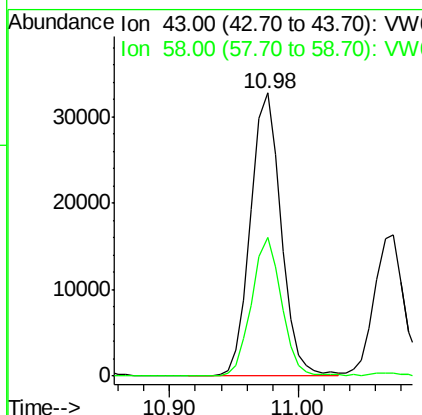
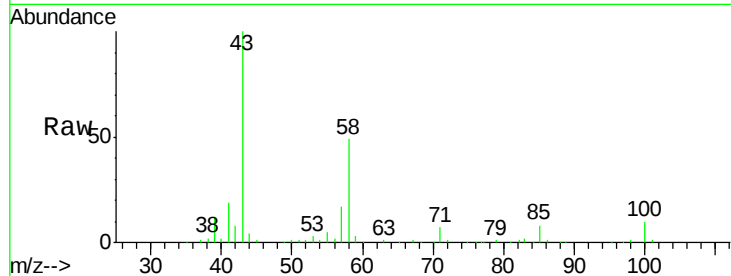




#59
2-Hexanone
Concen: 46.472 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

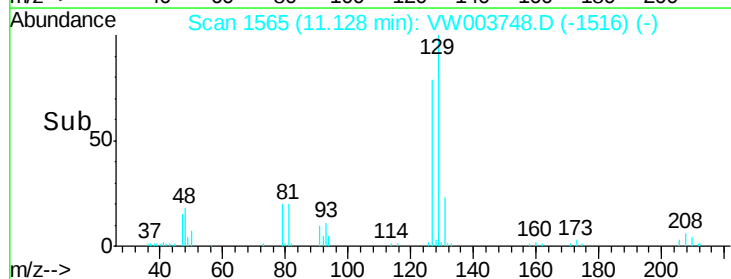
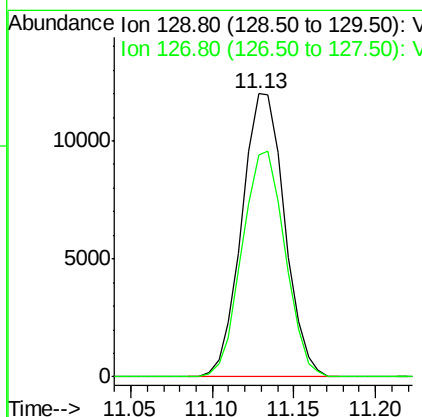
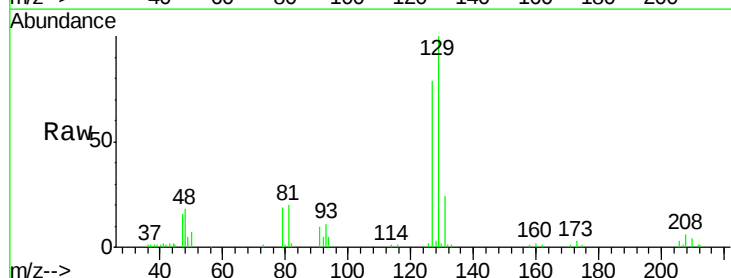
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

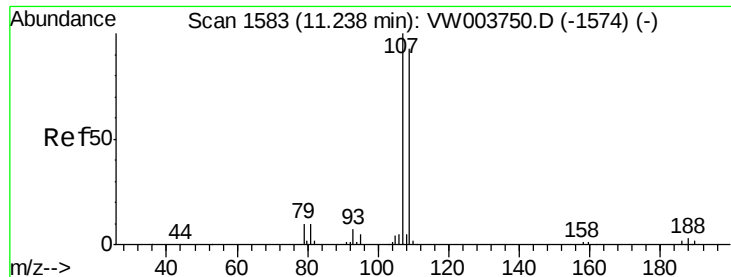
Tgt Ion: 43 Resp: 53783
Ion Ratio Lower Upper
43 100
58 48.0 25.4 76.2



#60
Dibromochloromethane
Concen: 10.503 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

Tgt Ion: 129 Resp: 21930
Ion Ratio Lower Upper
129 100
127 79.8 38.9 116.6





#61

1,2-Dibromoethane

Concen: 10.695 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

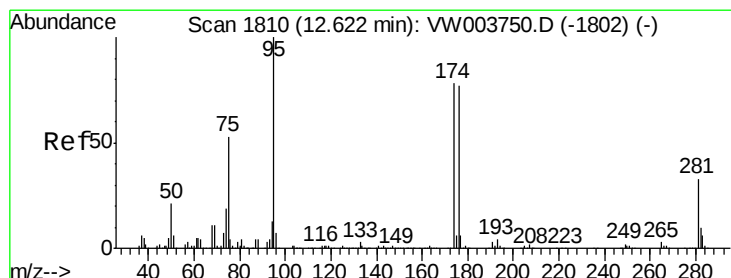
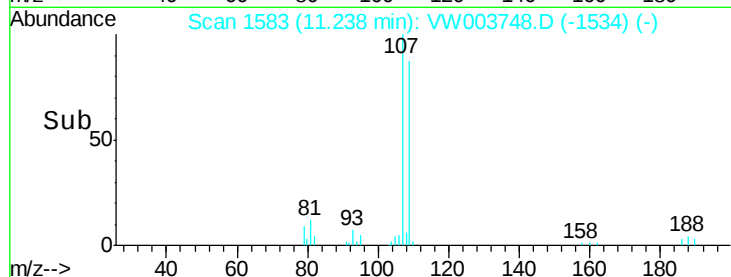
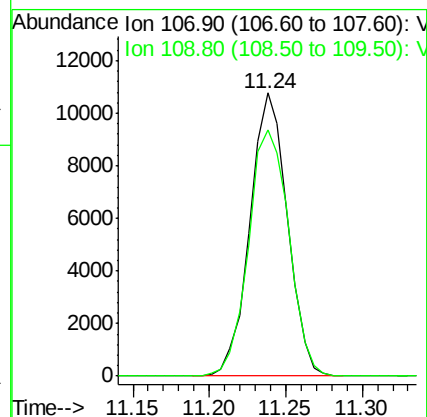
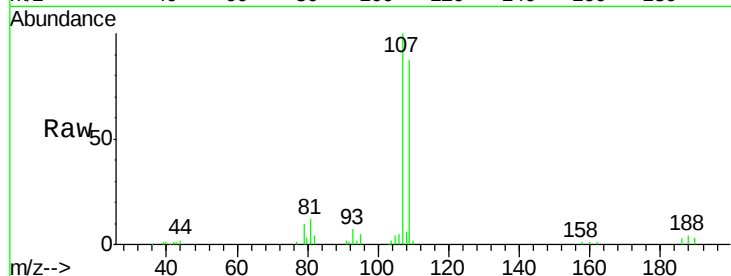
VSTDIC010

Tgt Ion: 107 Resp: 18313

Ion Ratio Lower Upper

107 100

109 93.9 75.1 112.7



#62

4-Bromofluorobenzene

Concen: 10.848 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

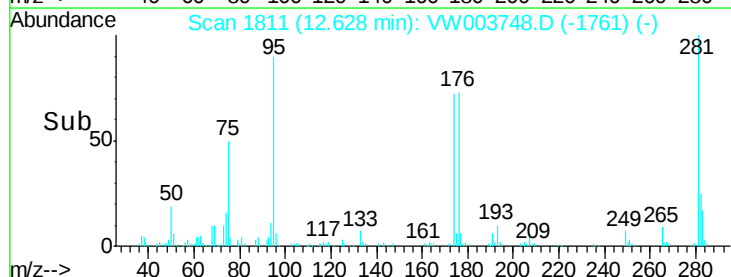
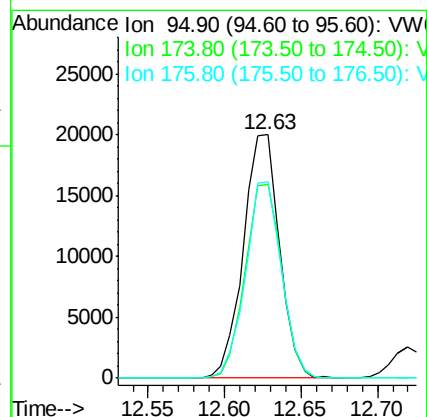
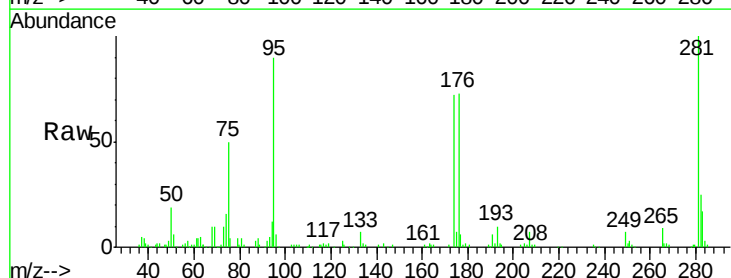
Tgt Ion: 95 Resp: 32895

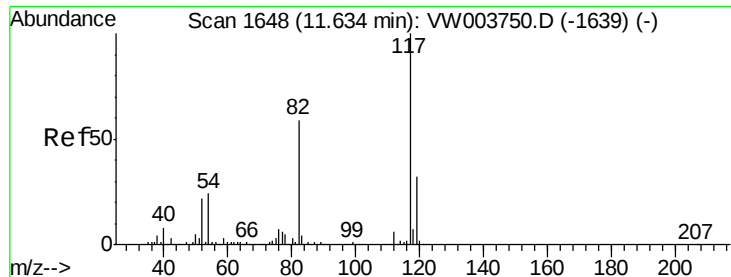
Ion Ratio Lower Upper

95 100

174 80.5 0.0 163.4

176 79.8 0.0 156.8

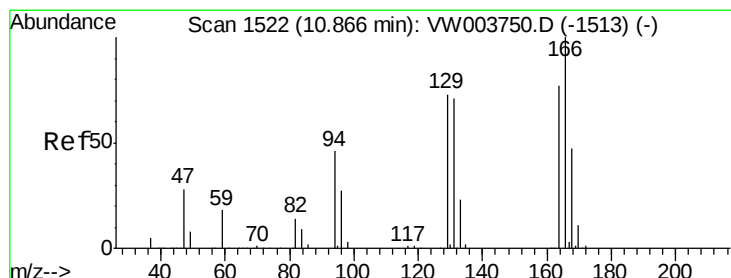
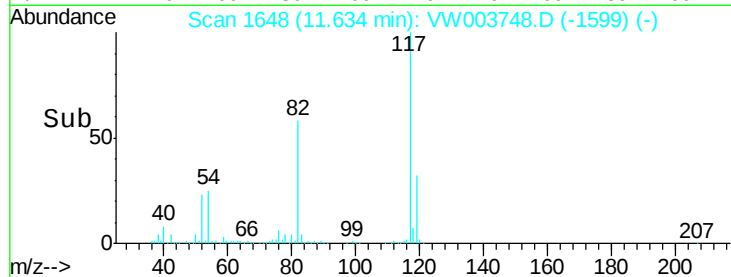
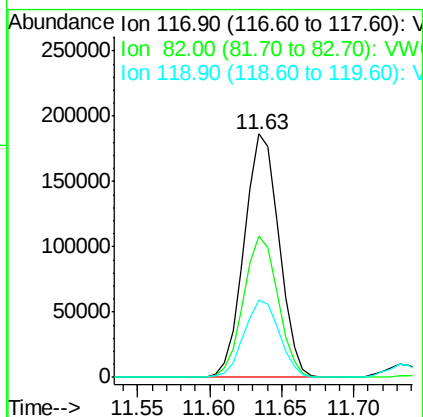
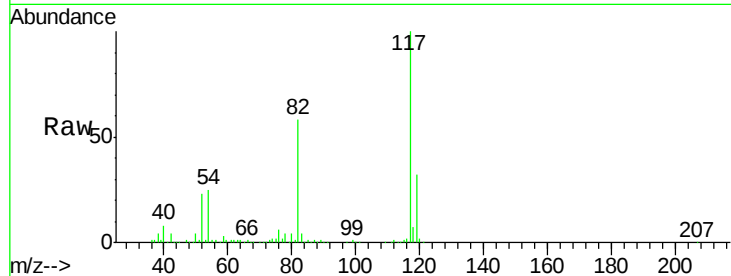




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

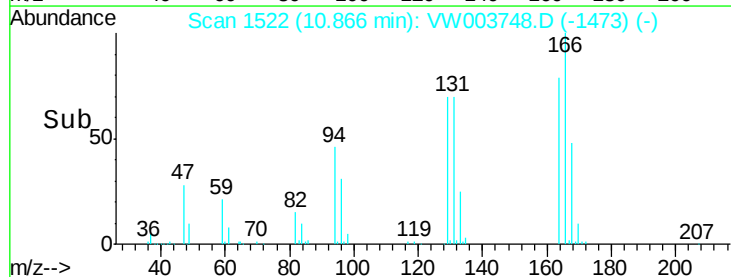
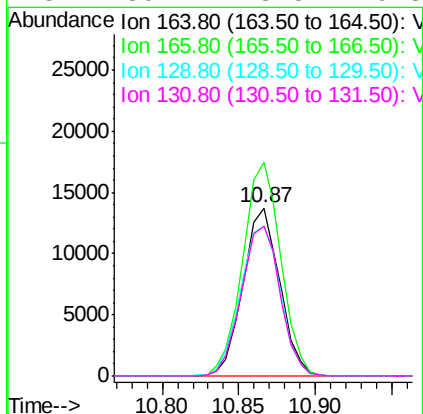
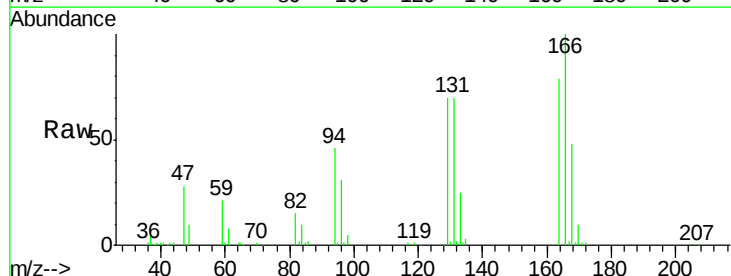
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

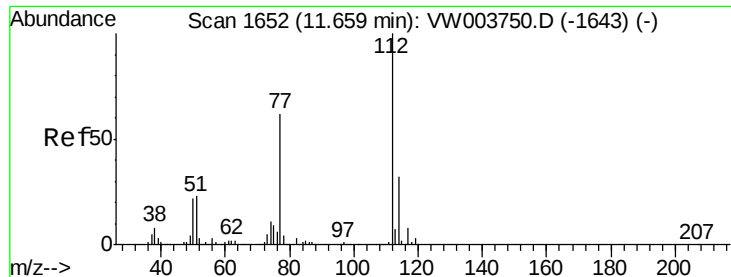
Tgt Ion:117 Resp: 311723
Ion Ratio Lower Upper
117 100
82 57.8 46.9 70.3
119 31.8 25.5 38.3



#64
Tetrachloroethene
Concen: 10.727 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

Tgt Ion:164 Resp: 23017
Ion Ratio Lower Upper
164 100
166 127.2 104.2 156.4
129 89.6 75.8 113.8
131 89.4 73.5 110.3





#65

Chlorobenzene

Concen: 10.694 ug/l

RT: 11.66 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

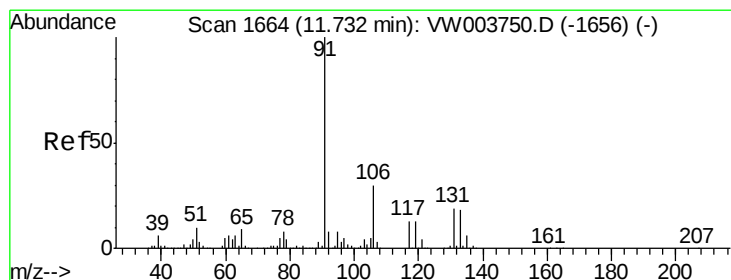
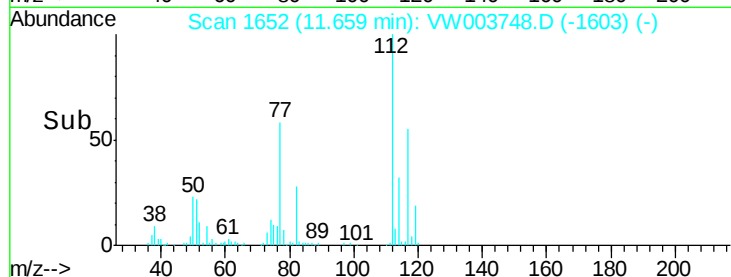
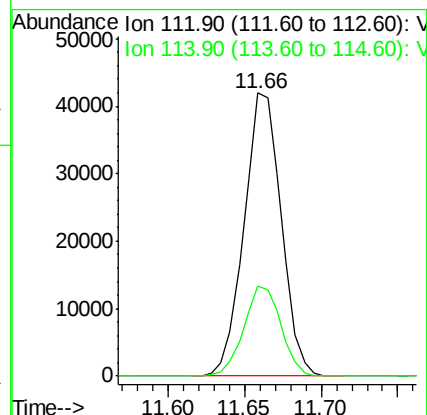
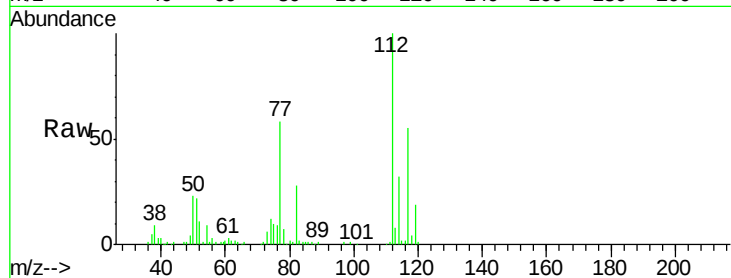
VSTDIC010

Tgt Ion:112 Resp: 70723

Ion Ratio Lower Upper

112 100

114 31.8 26.0 39.0



#66

1,1,1,2-Tetrachloroethane

Concen: 10.636 ug/l

RT: 11.73 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

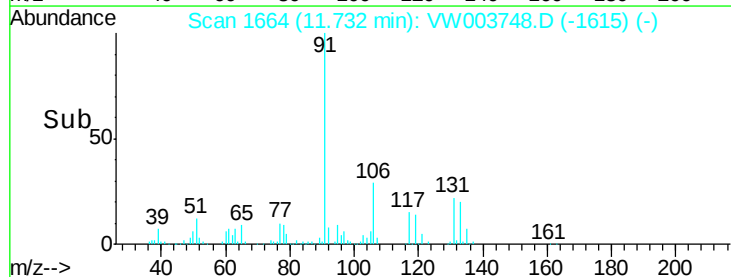
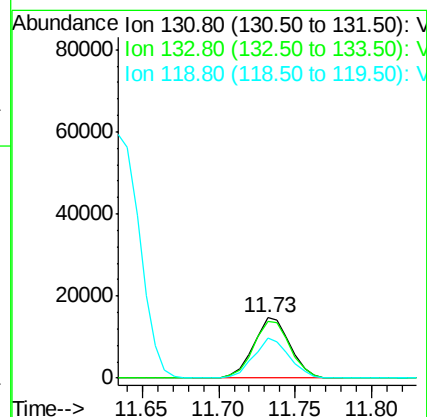
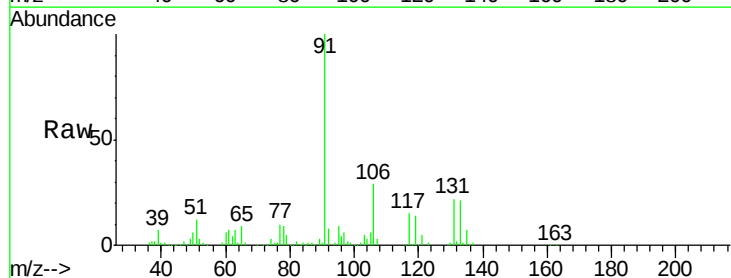
Tgt Ion:131 Resp: 24550

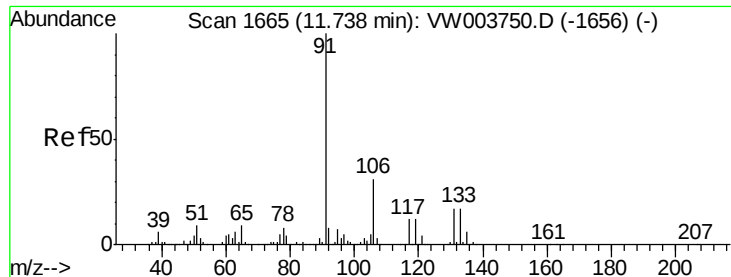
Ion Ratio Lower Upper

131 100

133 94.7 48.0 144.2

119 65.0 33.2 99.6

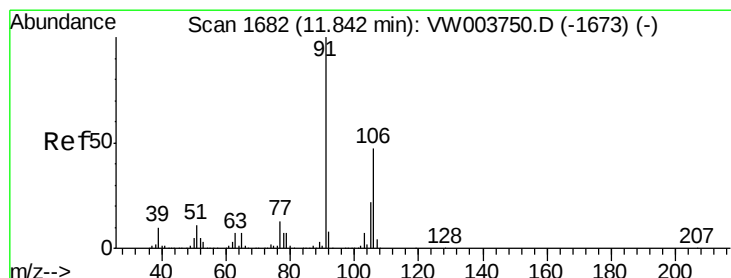
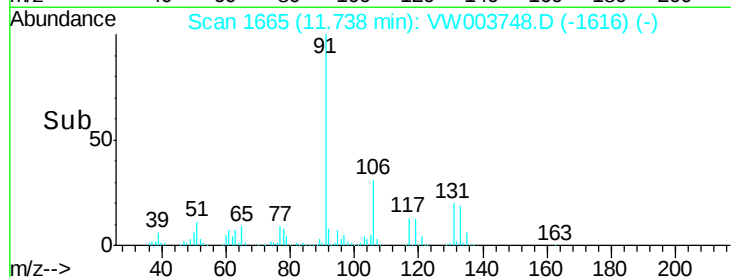
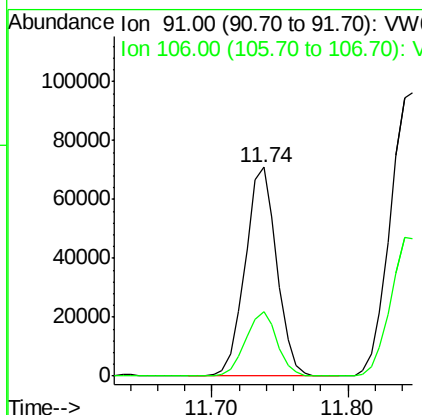
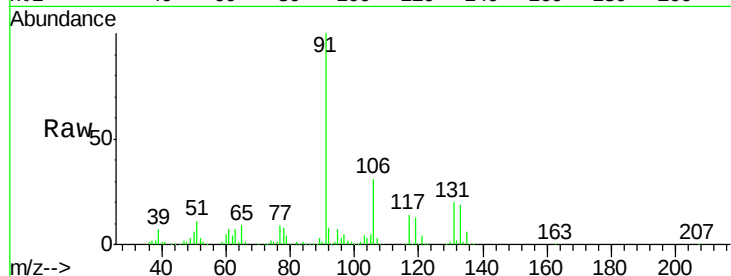




#67
Ethyl Benzene
Concen: 9.959 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

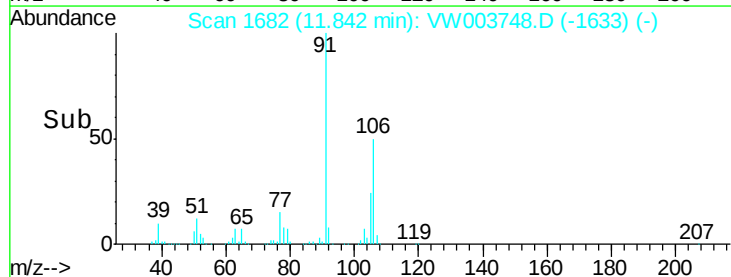
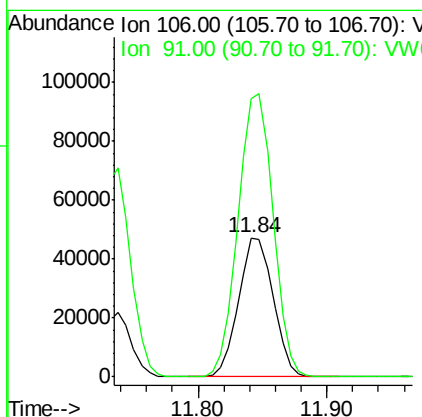
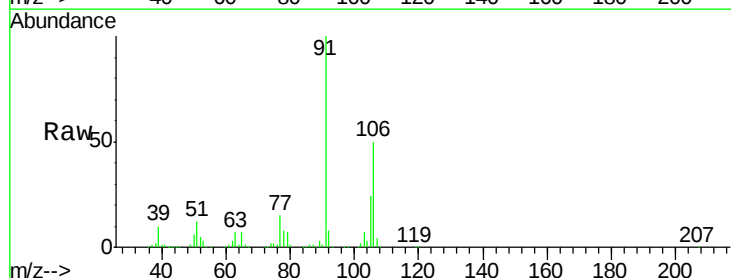
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

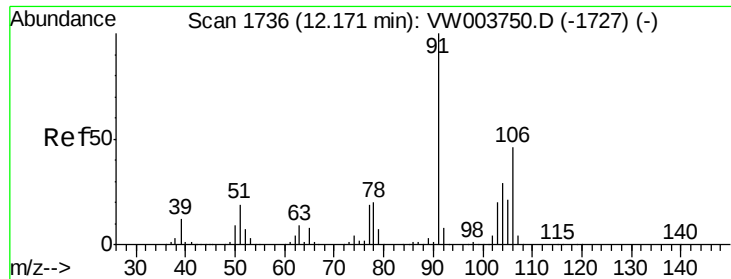
Tgt Ion: 91 Resp: 114983
Ion Ratio Lower Upper
91 100
106 30.8 24.6 37.0



#68
m/p-Xylenes
Concen: 20.037 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

Tgt Ion: 106 Resp: 88161
Ion Ratio Lower Upper
106 100
91 205.7 164.3 246.5

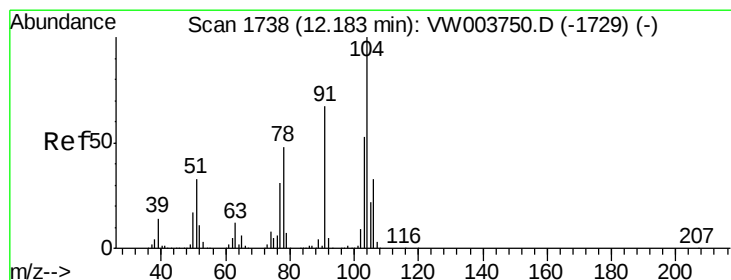
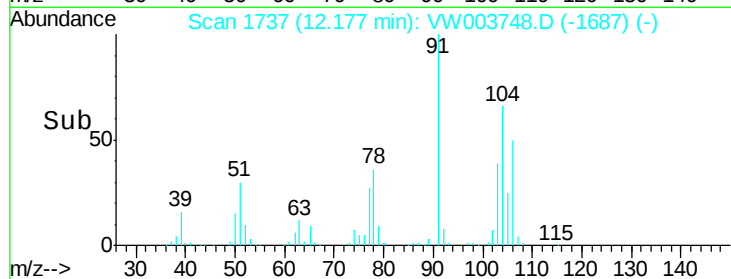
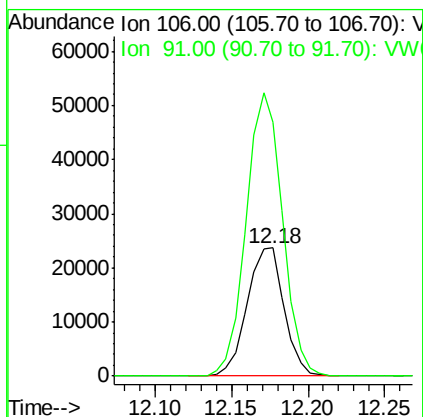
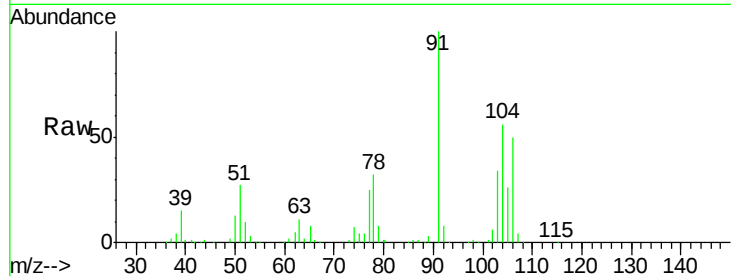




#69
o-Xylene
Concen: 9.776 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. 0.01 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

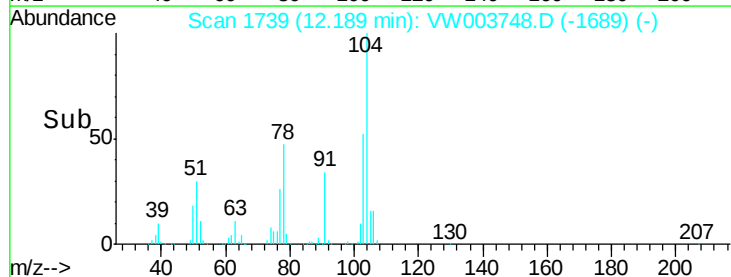
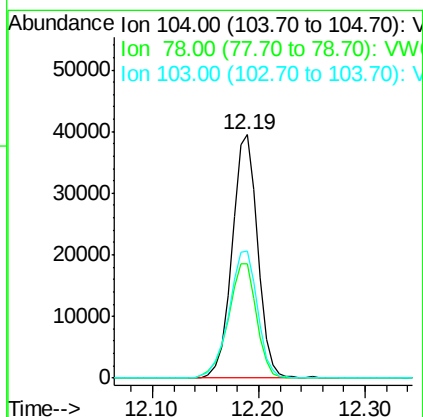
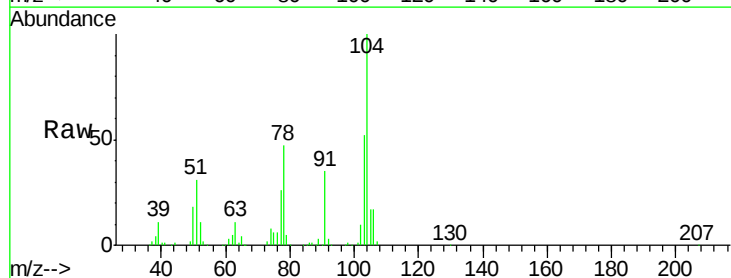
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

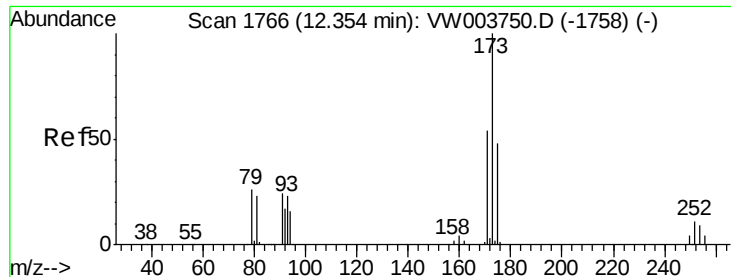
Tgt Ion:106 Resp: 39836
Ion Ratio Lower Upper
106 100
91 217.3 109.1 327.2



#70
Styrene
Concen: 9.694 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

Tgt Ion:104 Resp: 66390
Ion Ratio Lower Upper
104 100
78 52.0 41.1 61.7
103 58.4 44.6 67.0





#71

Bromoform

Concen: 10.490 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

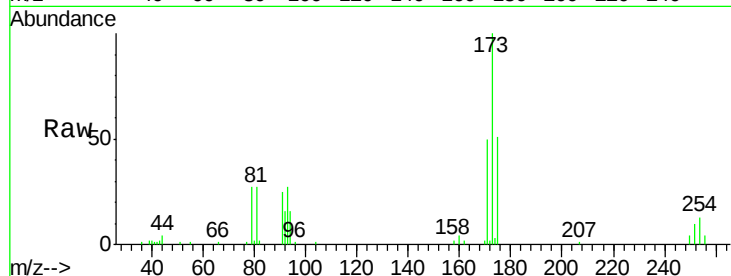
Tgt Ion:173 Resp: 13563

Ion Ratio Lower Upper

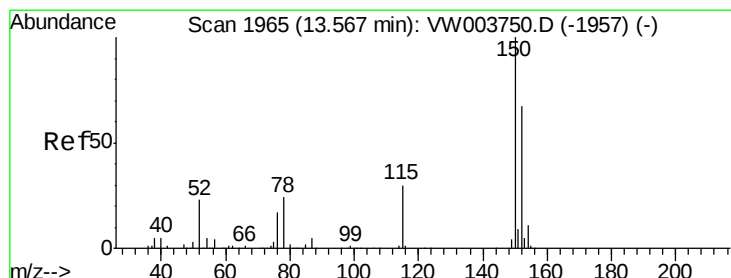
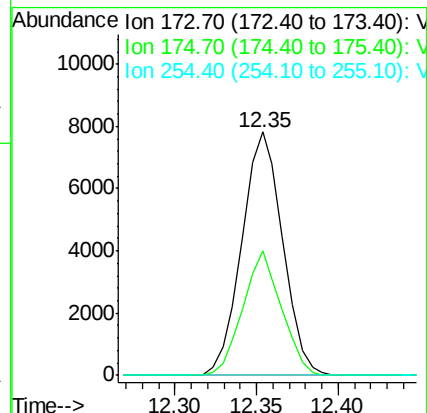
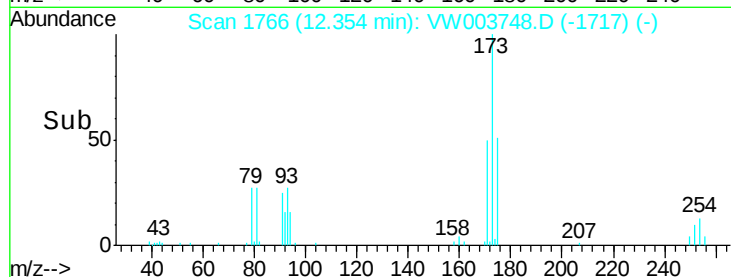
173 100

175 48.4 24.1 72.4

254 0.0 0.0 0.0



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: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

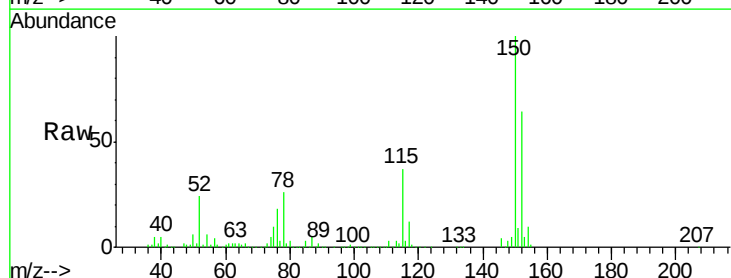
Tgt Ion:152 Resp: 169892

Ion Ratio Lower Upper

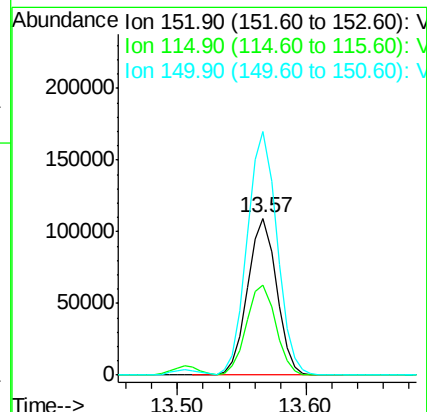
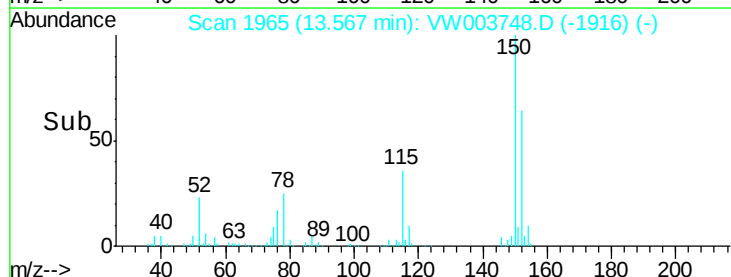
152 100

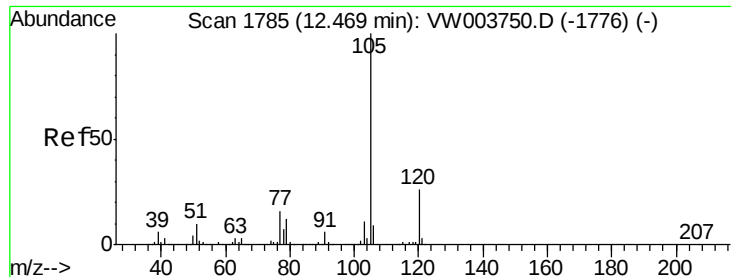
115 58.3 28.9 86.8

150 160.3 0.0 342.4



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: 9.492 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

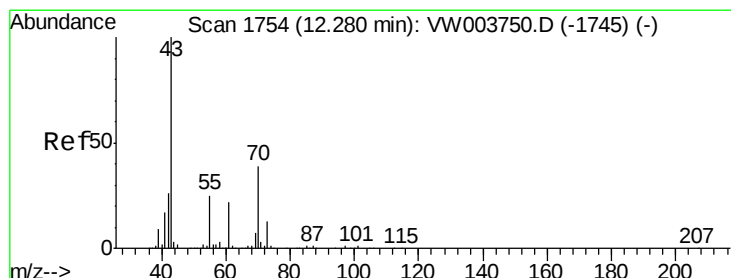
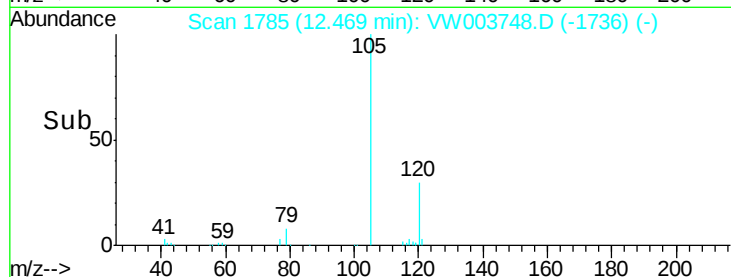
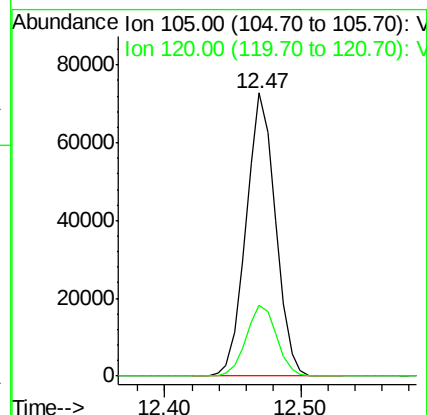
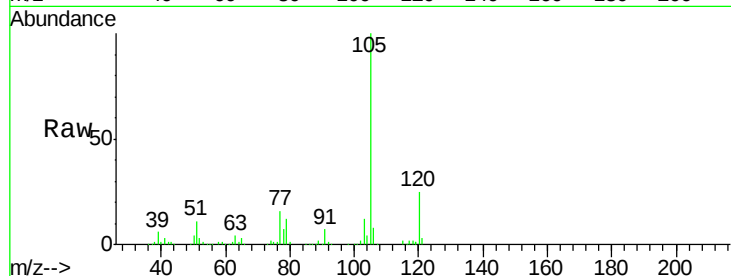
VSTDIC010

Tgt Ion: 105 Resp: 109921

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.3



#74

N-ethyl acetate

Concen: 9.220 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Tgt Ion: 43 Resp: 28502

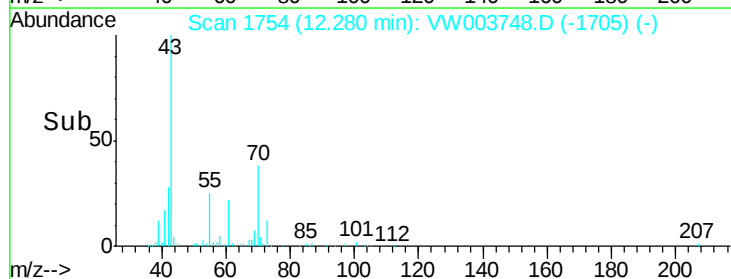
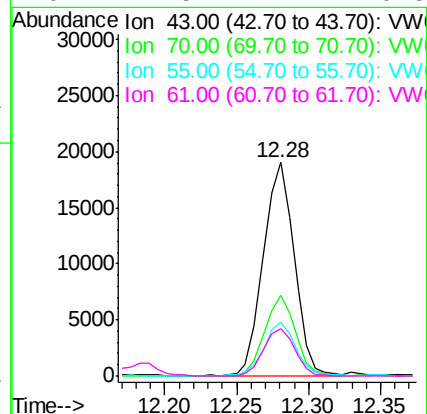
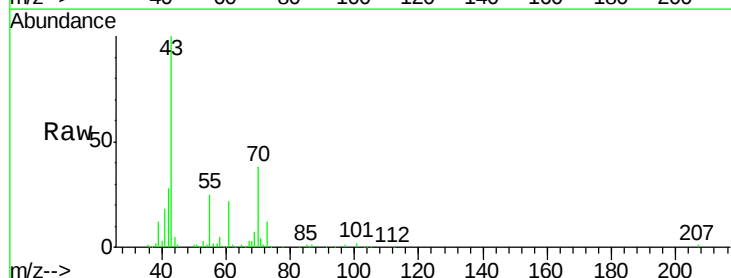
Ion Ratio Lower Upper

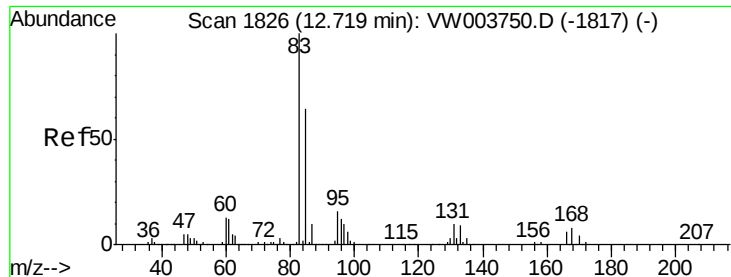
43 100

70 36.9 31.3 46.9

55 25.9 20.1 30.1

61 22.5 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 10.315 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

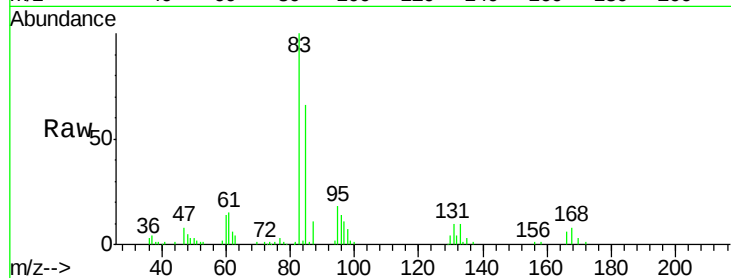
Tgt Ion: 83 Resp: 23639

Ion Ratio Lower Upper

83 100

131 11.0 5.1 15.4

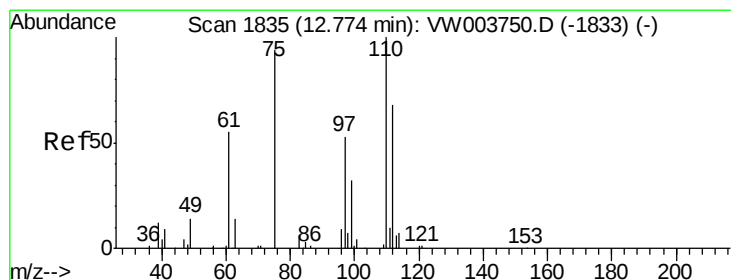
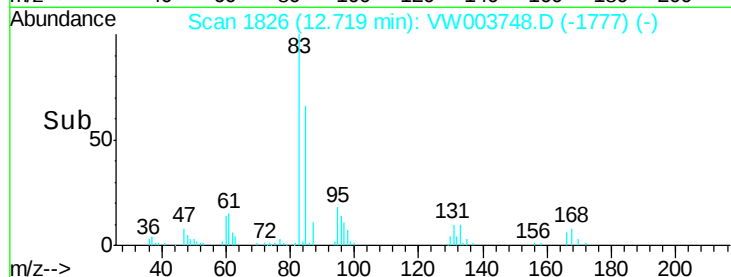
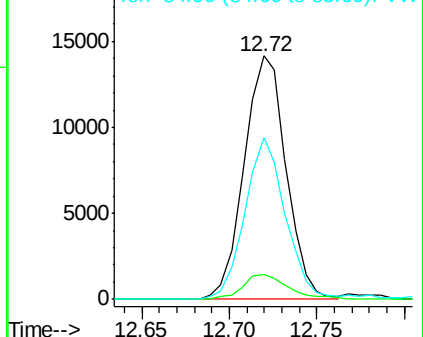
85 63.7 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 19.553 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW003748.D

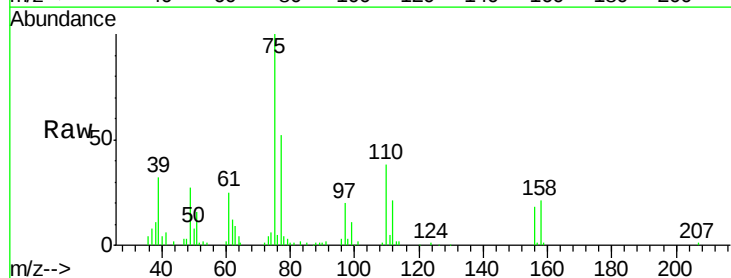
Acq: 06 Jul 2018 23:14

Tgt Ion: 75 Resp: 30062

Ion Ratio Lower Upper

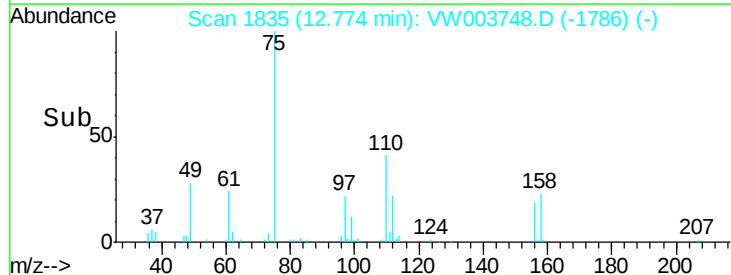
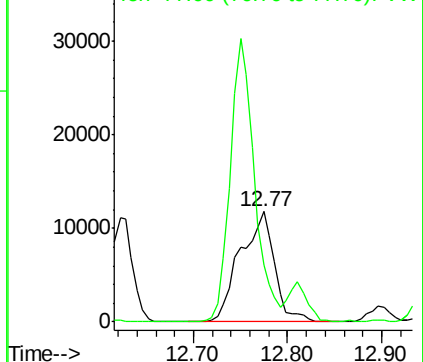
75 100

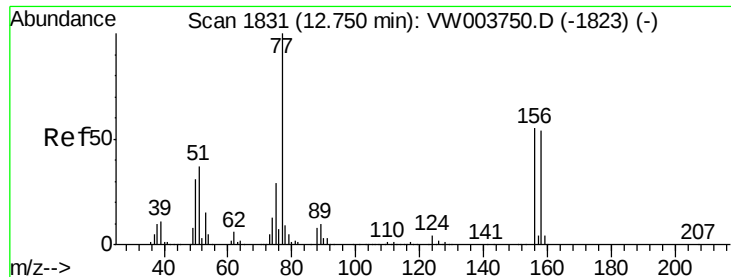
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 10.190 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

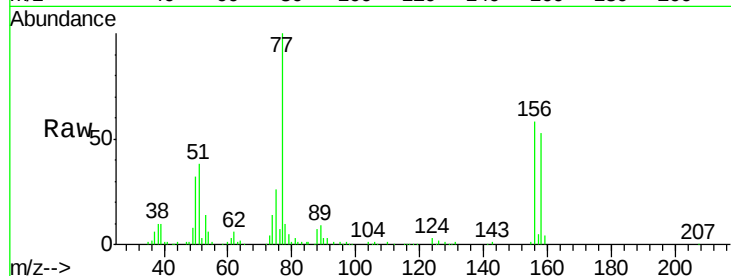
Tgt Ion:156 Resp: 28353

Ion Ratio Lower Upper

156 100

77 191.3 98.7 296.0

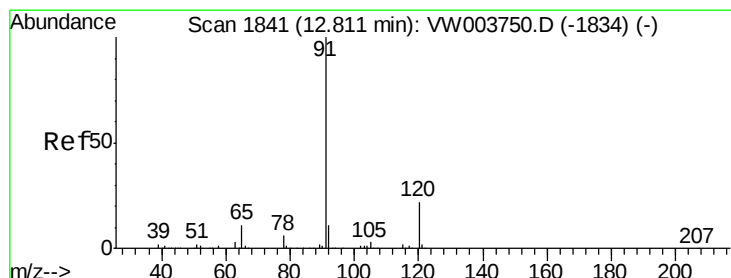
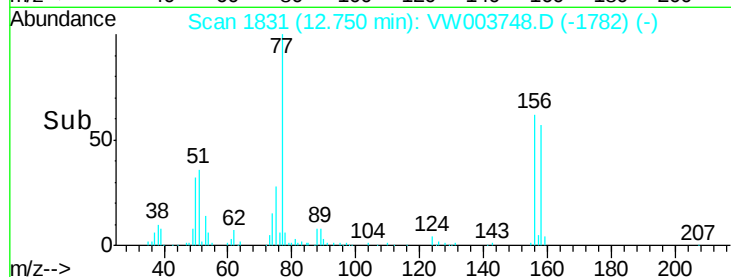
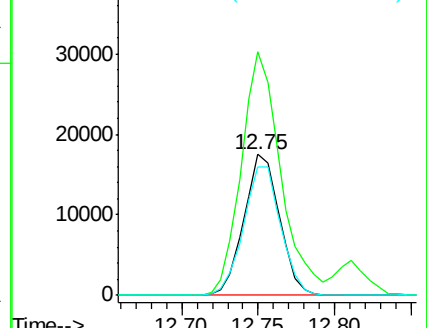
158 95.5 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 9.724 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW003748.D

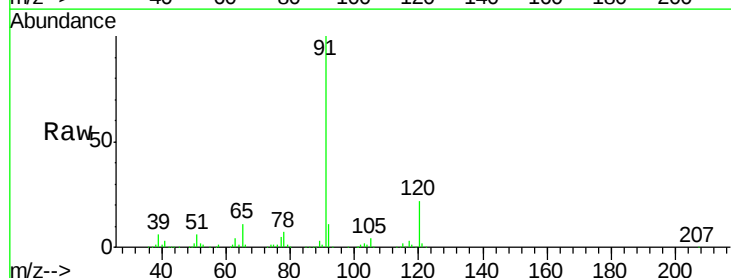
Acq: 06 Jul 2018 23:14

Tgt Ion: 91 Resp: 139204

Ion Ratio Lower Upper

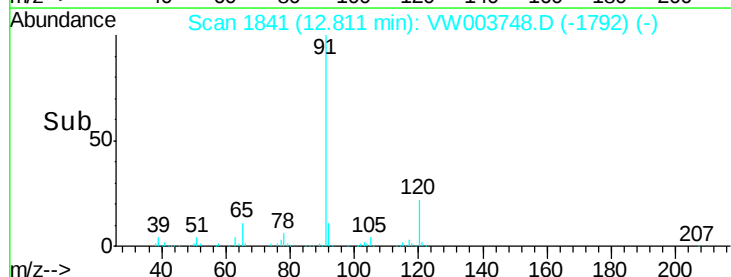
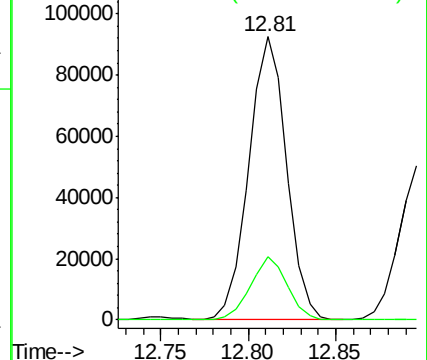
91 100

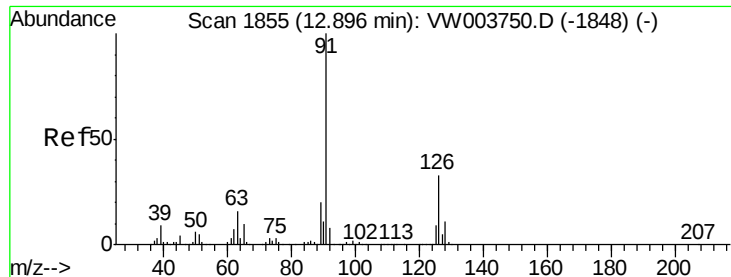
120 21.8 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

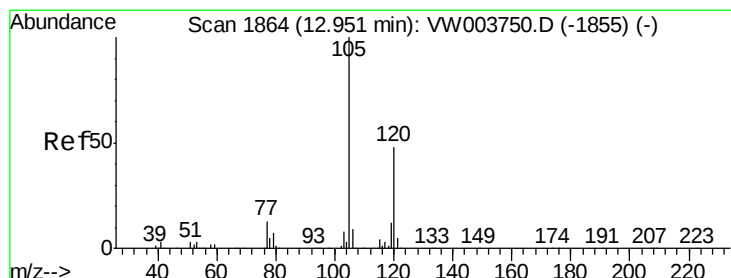
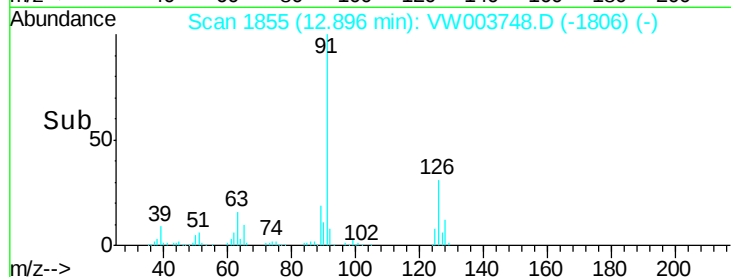
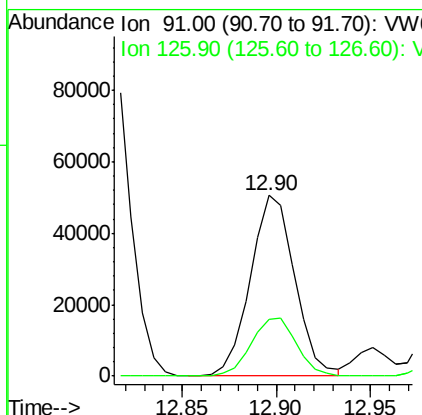
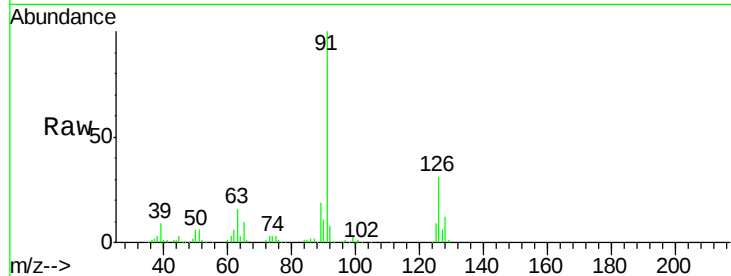




#79
 2-Chlorotoluene
 Concen: 10.151 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW003748.D
 Acq: 06 Jul 2018 23:14

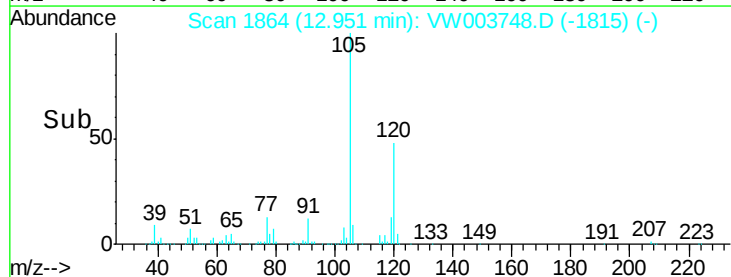
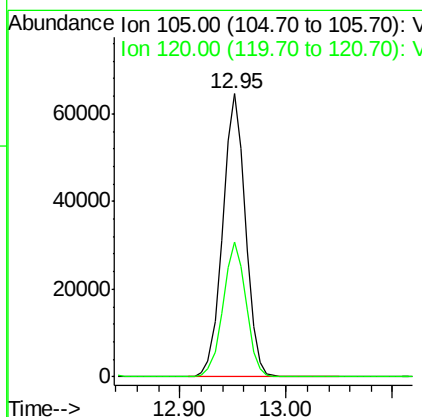
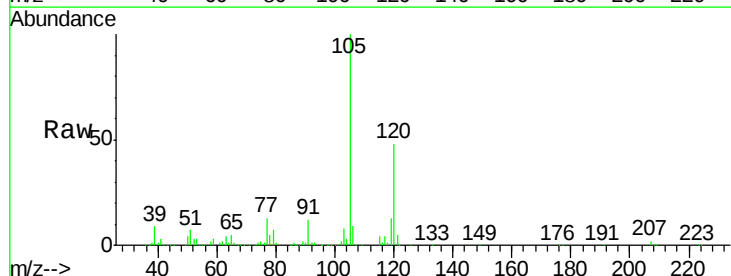
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

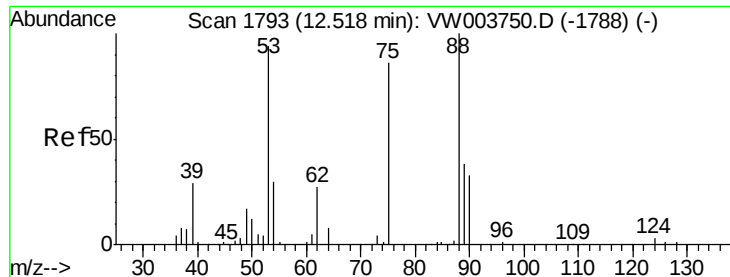
Tgt Ion: 91 Resp: 82653
 Ion Ratio Lower Upper
 91 100
 126 32.7 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 9.823 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VW003748.D
 Acq: 06 Jul 2018 23:14

Tgt Ion: 105 Resp: 96467
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 9.263 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

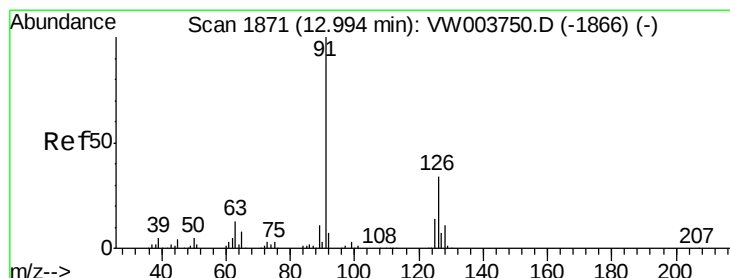
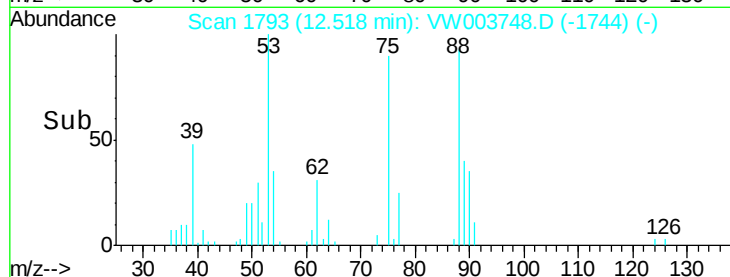
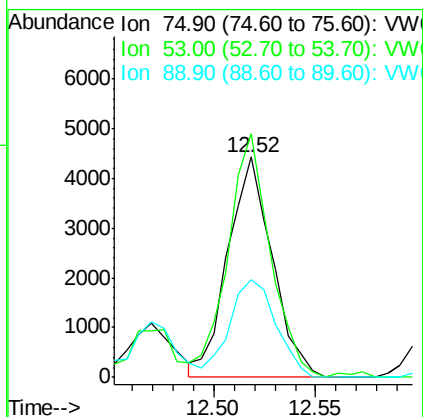
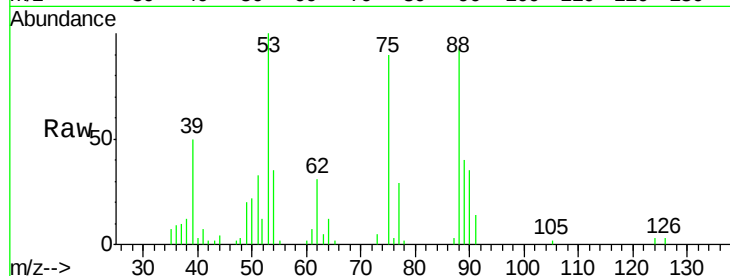
Tgt Ion: 75 Resp: 6691

Ion Ratio Lower Upper

75 100

53 105.1 85.0 127.6

89 46.2 36.3 54.5



#82

4-Chlorotoluene

Concen: 10.323 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW003748.D

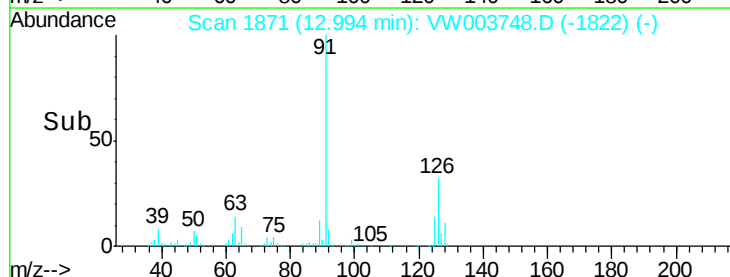
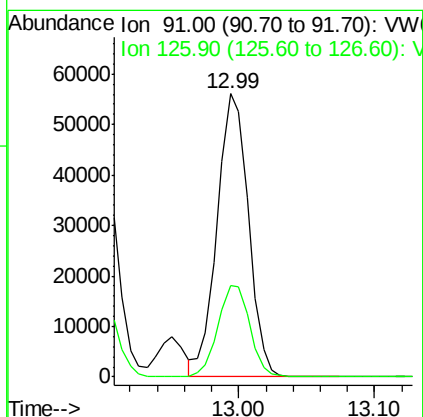
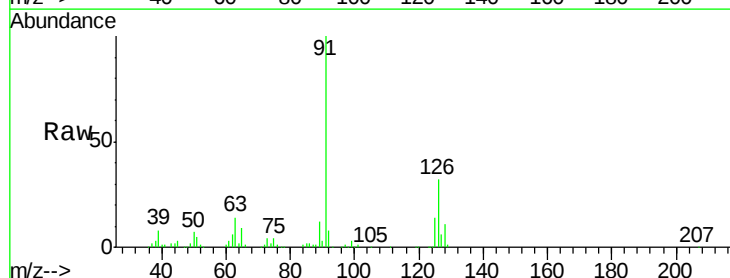
Acq: 06 Jul 2018 23:14

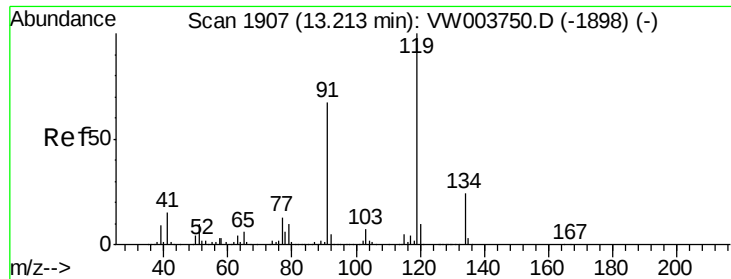
Tgt Ion: 91 Resp: 89643

Ion Ratio Lower Upper

91 100

126 32.8 16.5 49.5

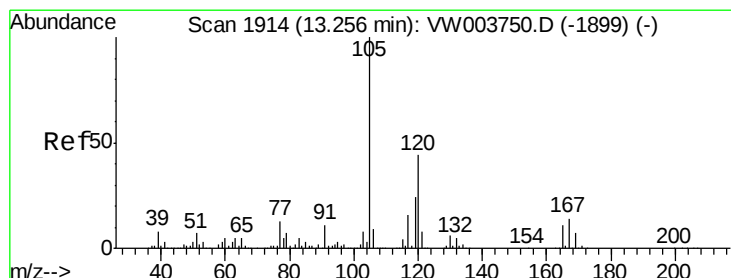
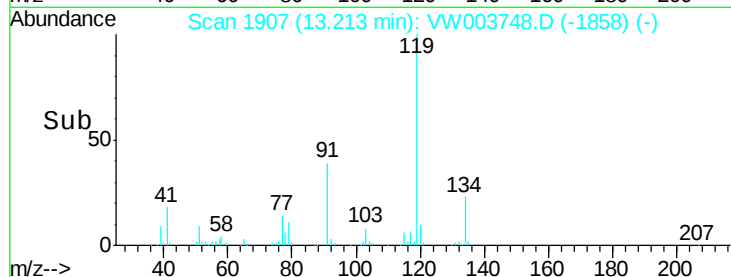
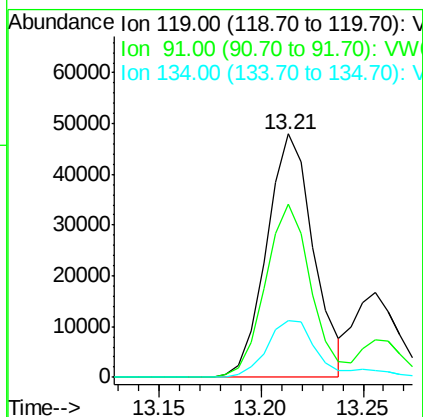
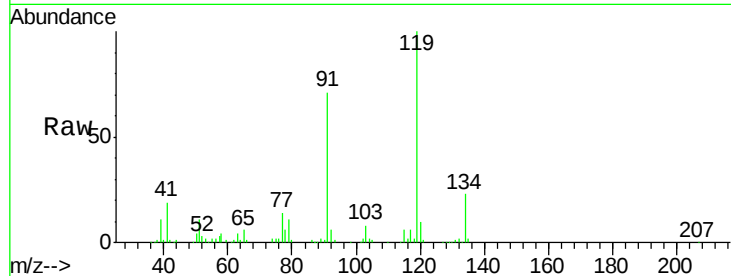




#83
tert-Butylbenzene
Concen: 9.305 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

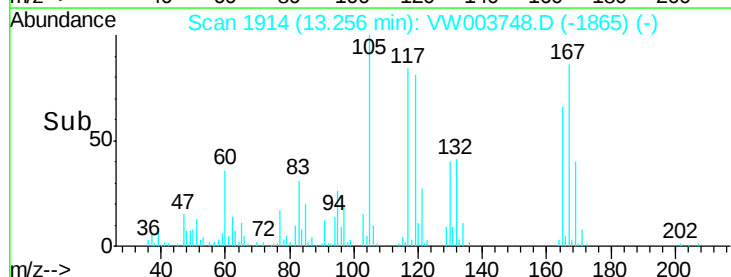
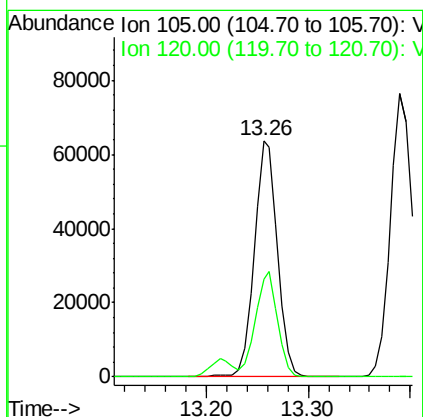
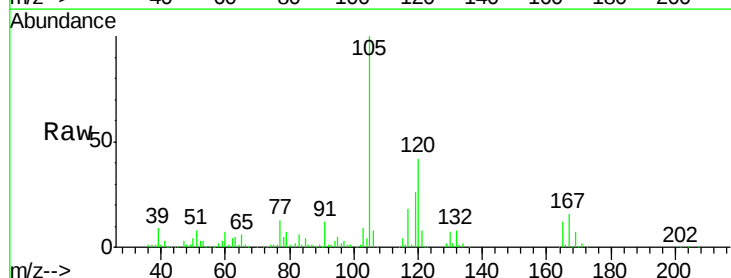
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

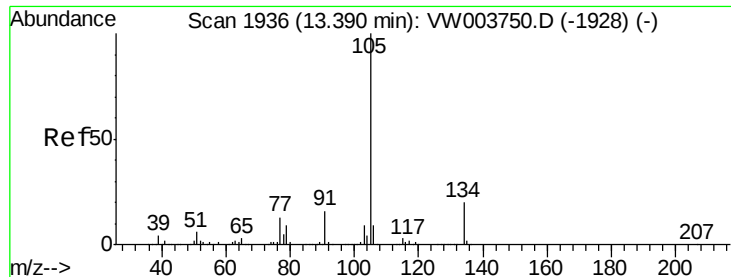
Tgt Ion:119 Resp: 76938
Ion Ratio Lower Upper
119 100
91 69.9 33.0 98.9
134 24.2 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 9.984 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

Tgt Ion:105 Resp: 100904
Ion Ratio Lower Upper
105 100
120 42.6 22.0 66.0

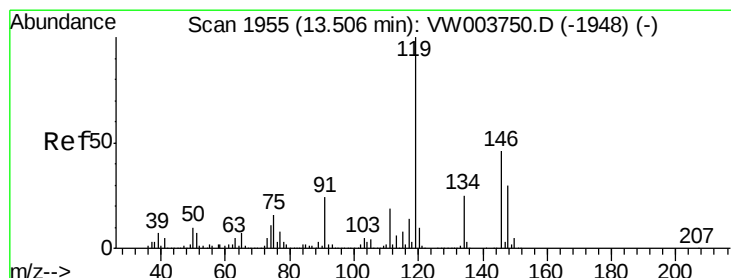
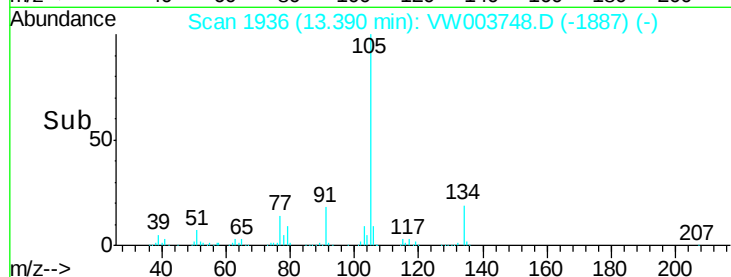
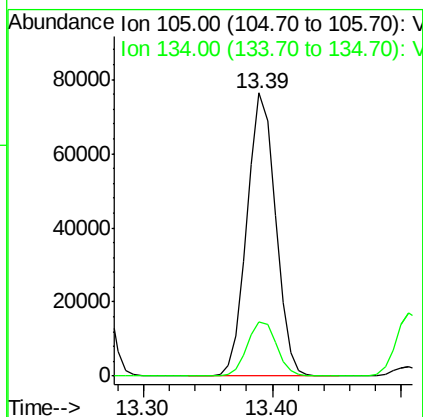
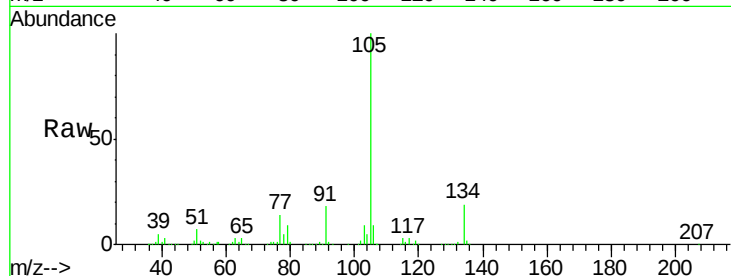




#85
 sec-Butylbenzene
 Concen: 9.504 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW003748.D
 Acq: 06 Jul 2018 23:14

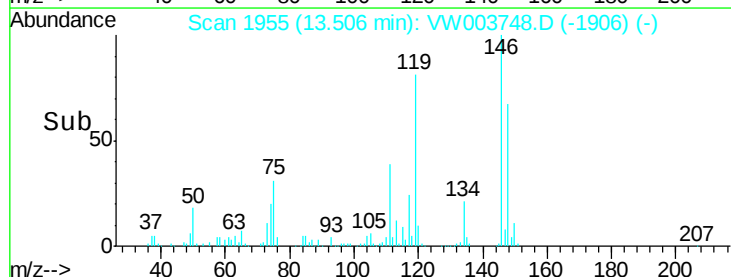
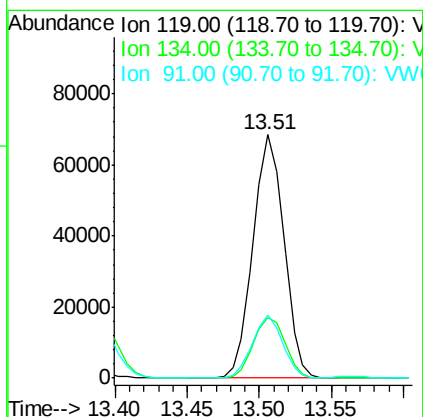
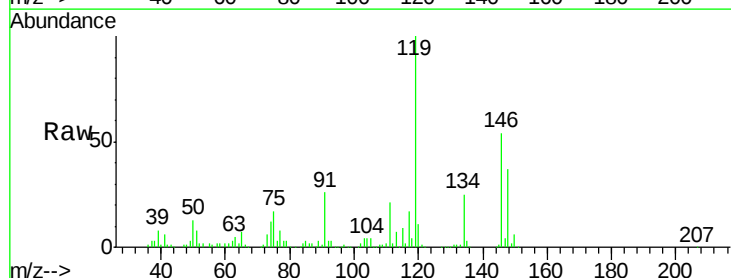
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

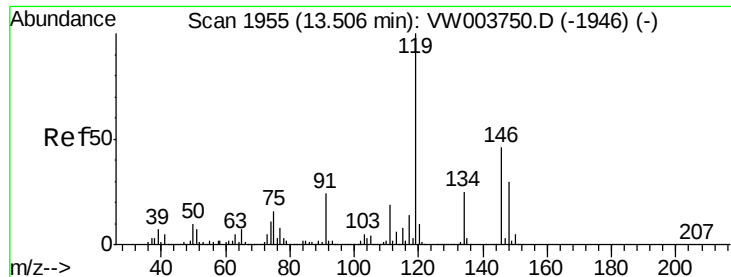
Tgt Ion:105 Resp: 116708
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 9.453 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003748.D
 Acq: 06 Jul 2018 23:14

Tgt Ion:119 Resp: 101678
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.1 39.1
 91 25.4 11.9 35.9

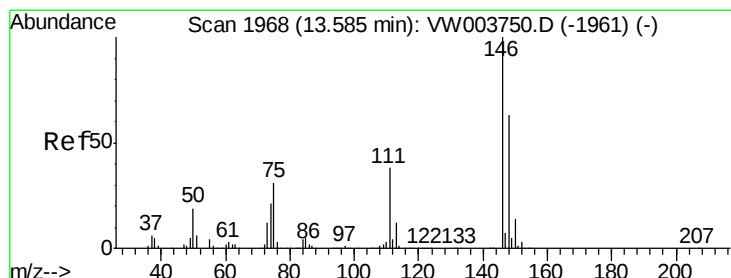
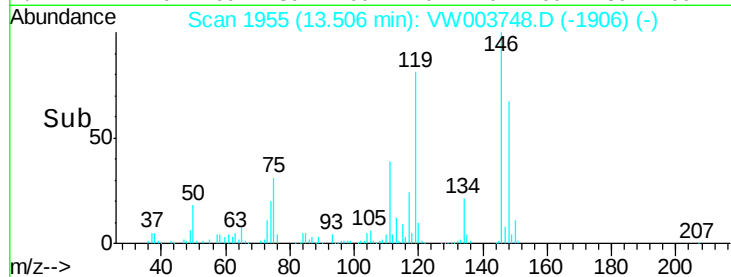
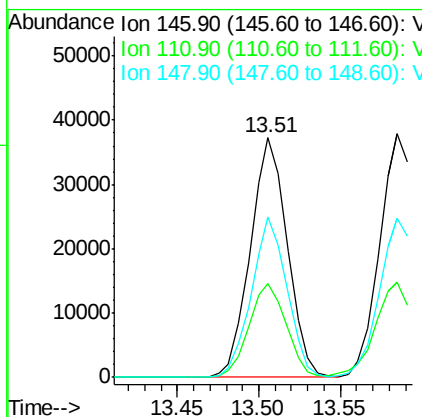
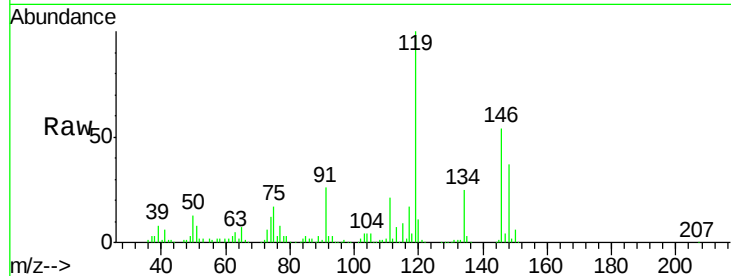




#87
 1,3-Dichlorobenzene
 Concen: 10.394 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003748.D
 Acq: 06 Jul 2018 23:14

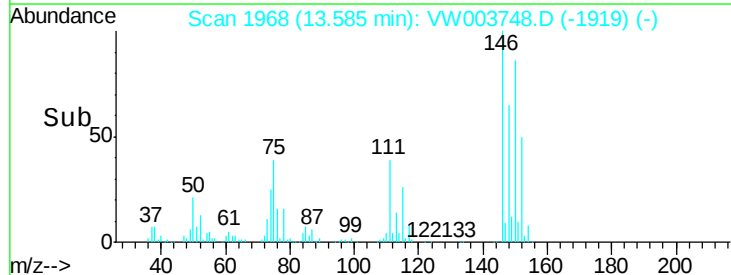
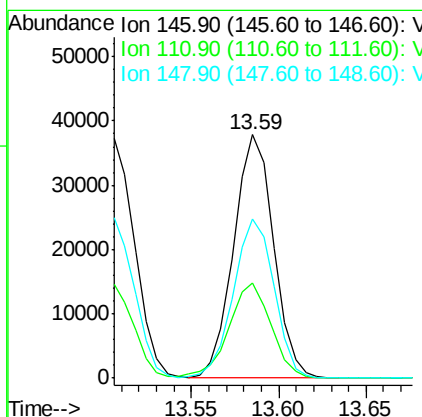
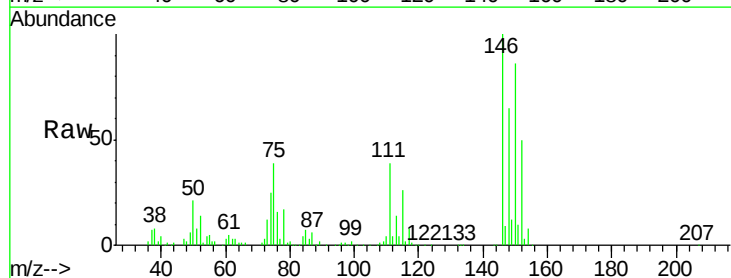
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

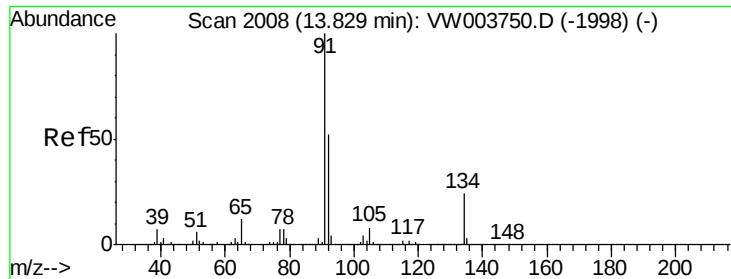
Tgt Ion:146 Resp: 58823
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.2 60.5
 148 64.4 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 10.621 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003748.D
 Acq: 06 Jul 2018 23:14

Tgt Ion:146 Resp: 60097
 Ion Ratio Lower Upper
 146 100
 111 41.2 19.4 58.4
 148 66.8 31.9 95.7





#89

n-Butylbenzene

Concen: 9.353 ug/l

RT: 13.84 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

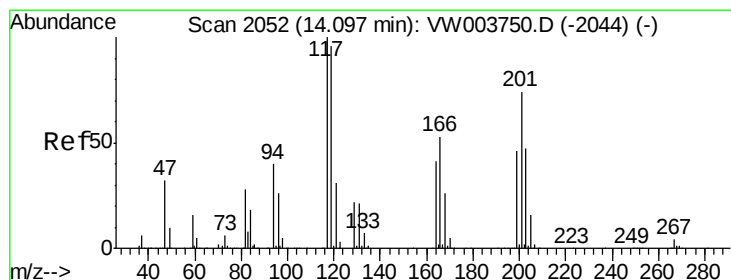
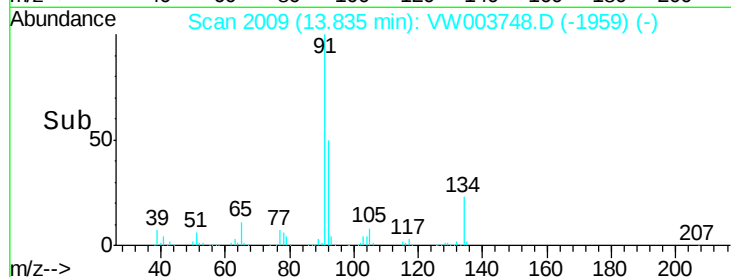
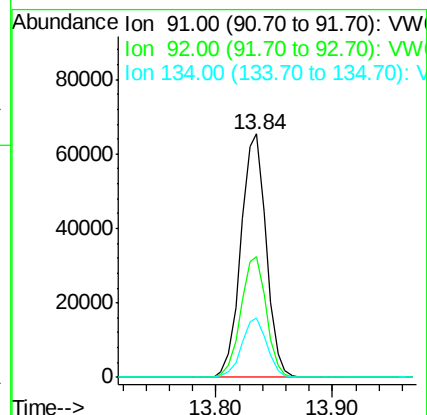
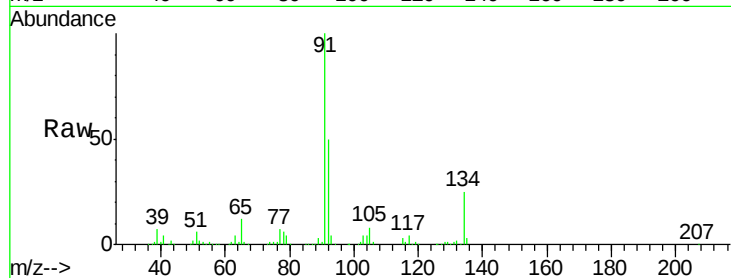
Tgt Ion: 91 Resp: 99252

Ion Ratio Lower Upper

91 100

92 49.5 26.1 78.3

134 24.1 12.4 37.4



#90

Hexachloroethane

Concen: 10.035 ug/l

RT: 14.10 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VW003748.D

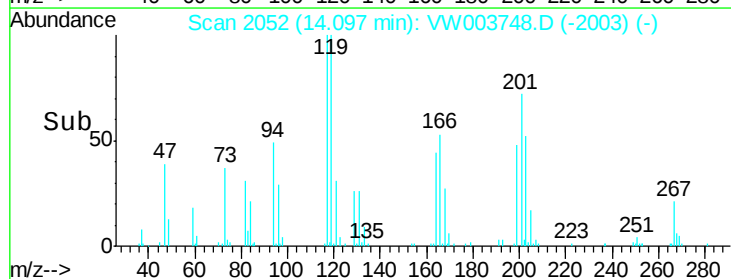
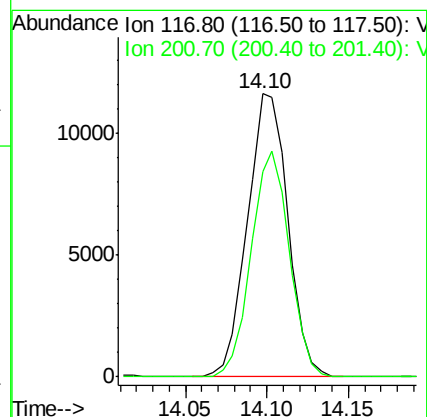
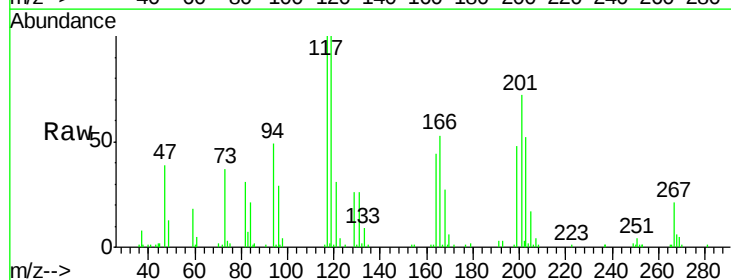
Acq: 06 Jul 2018 23:14

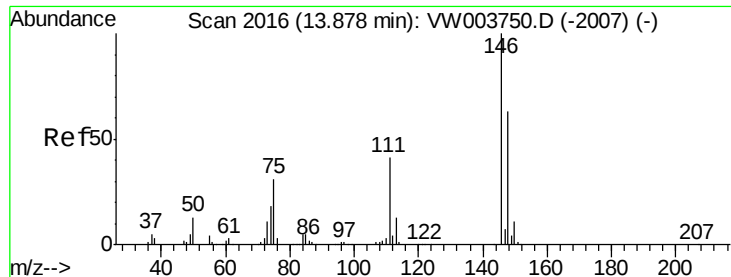
Tgt Ion: 117 Resp: 20079

Ion Ratio Lower Upper

117 100

201 75.2 39.2 117.6





#91

1,2-Dichlorobenzene

Concen: 10.355 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

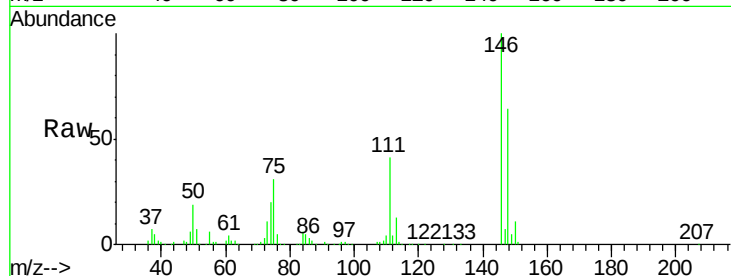
Tgt Ion:146 Resp: 52490

Ion Ratio Lower Upper

146 100

111 41.5 20.7 62.1

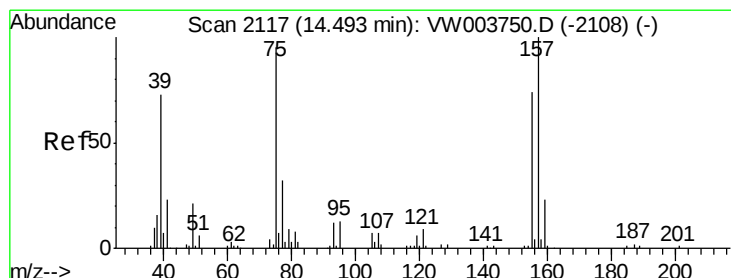
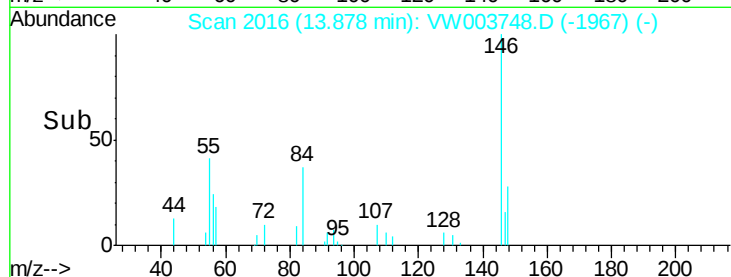
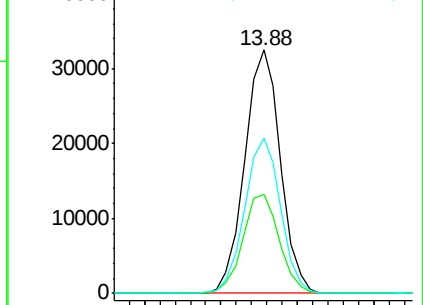
148 64.2 31.9 95.9



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: 10.102 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW003748.D

Acq: 06 Jul 2018 23:14

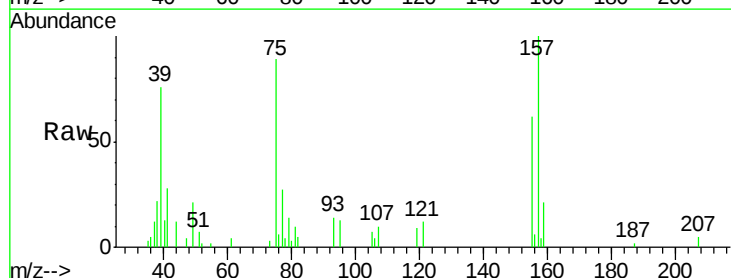
Tgt Ion: 75 Resp: 4046

Ion Ratio Lower Upper

75 100

155 75.8 39.2 117.6

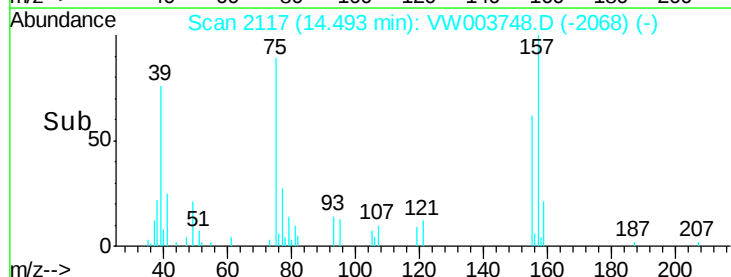
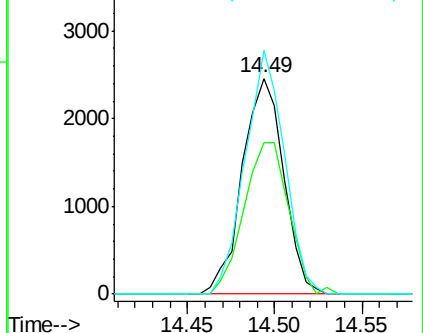
157 107.2 50.7 152.1

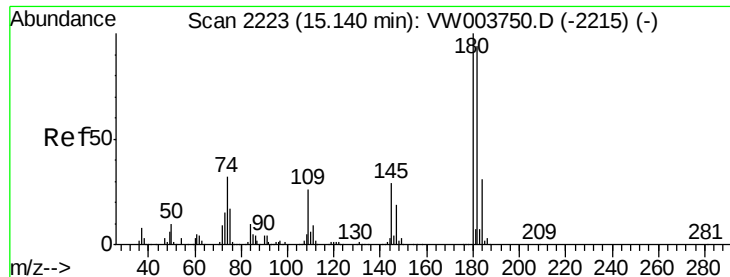


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

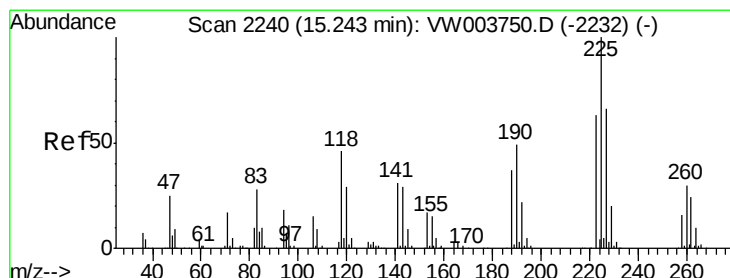
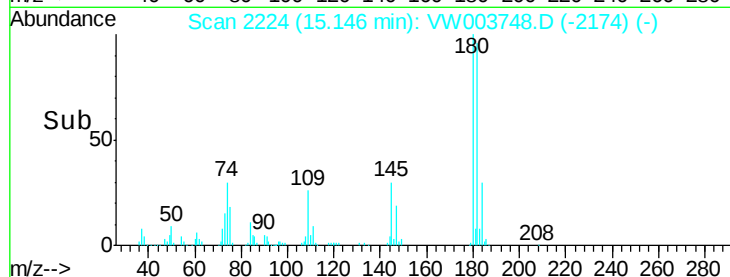
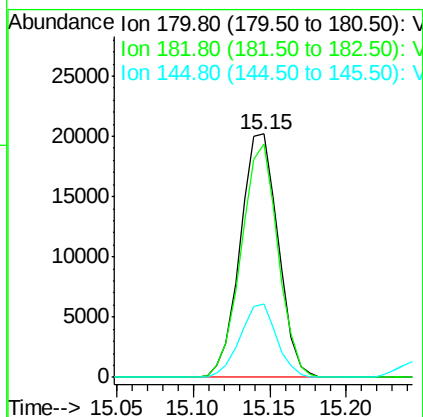
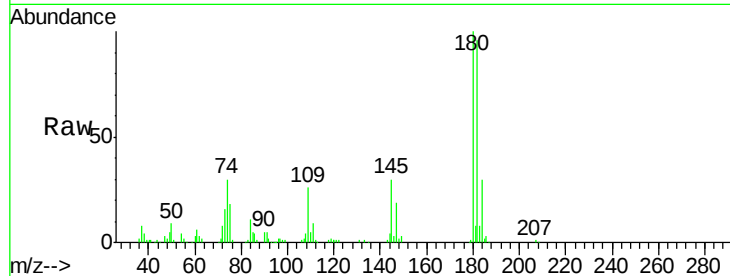




#93
 1,2,4-Trichlorobenzene
 Concen: 9.763 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.01 min
 Lab File: VW003748.D
 Acq: 06 Jul 2018 23:14

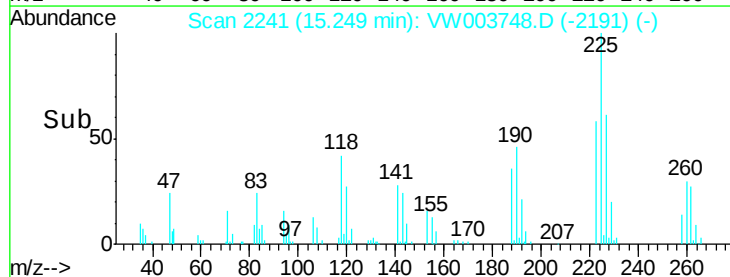
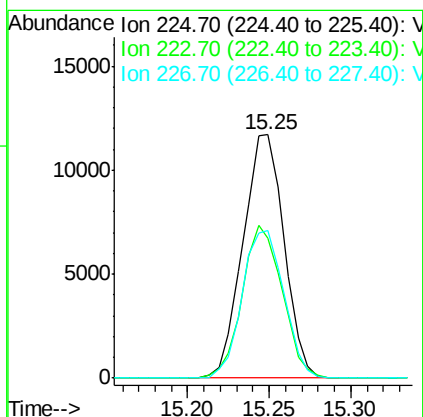
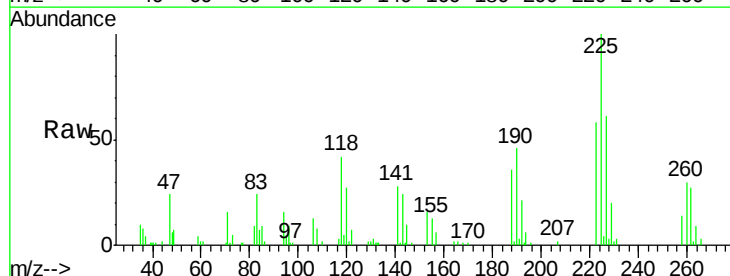
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

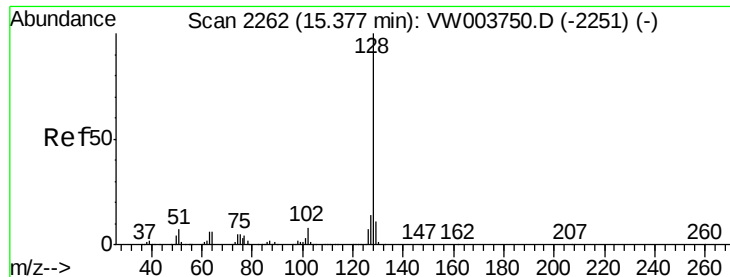
Tgt Ion:180 Resp: 34792
 Ion Ratio Lower Upper
 180 100
 182 93.0 47.4 142.2
 145 29.2 15.0 45.0



#94
 Hexachlorobutadiene
 Concen: 10.061 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VW003748.D
 Acq: 06 Jul 2018 23:14

Tgt Ion:225 Resp: 20567
 Ion Ratio Lower Upper
 225 100
 223 61.0 32.6 97.7
 227 61.5 32.5 97.5

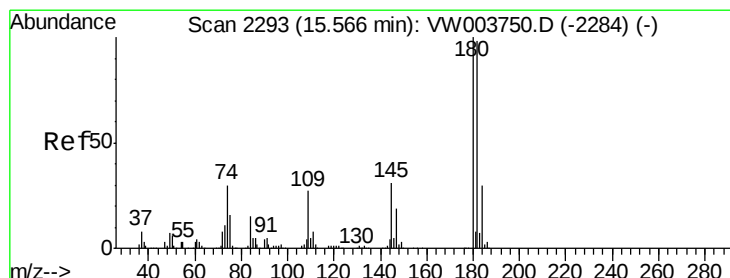
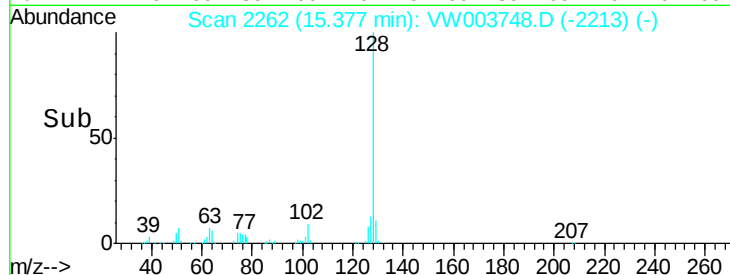
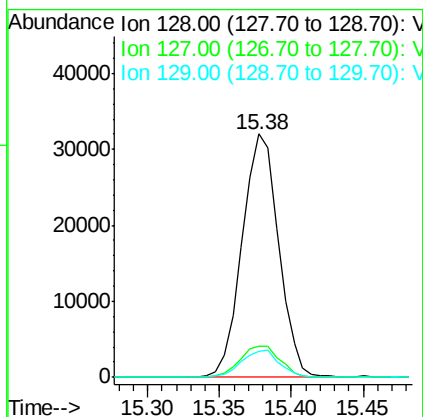
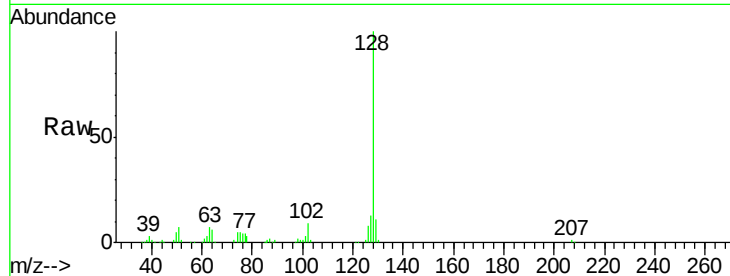




#95
Naphthalene
Concen: 8.636 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 56230
Ion Ratio Lower Upper
128 100
127 14.2 10.8 16.2
129 11.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 9.975 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW003748.D
Acq: 06 Jul 2018 23:14

Tgt Ion:180 Resp: 31791
Ion Ratio Lower Upper
180 100
182 94.3 47.4 142.3
145 31.4 15.8 47.4

