

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112018\
 Data File : VW006962.D
 Acq On : 19 Nov 2018 23:57
 Operator : SY/AP
 Sample : J5977-10MSD
 Misc : 3.79G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MSD

Quant Time: Nov 20 04:38:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 17 04:45:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	97664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	151722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	131125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	51844	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	56004	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
35) Dibromofluoromethane	7.88	113	49983	56.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.52%	
50) Toluene-d8	10.33	98	206130	53.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.98%	
62) 4-Bromofluorobenzene	12.62	95	67693	45.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	49322	52.748	ug/l	100
3) Chloromethane	2.21	50	43249	51.381	ug/l	95
4) Vinyl Chloride	2.35	62	39990	50.118	ug/l	99
5) Bromomethane	2.78	94	23019	53.706	ug/l	95
6) Chloroethane	2.92	64	23469	53.408	ug/l	95
7) Trichlorofluoromethane	3.26	101	78885	50.796	ug/l	97
8) Diethyl Ether	3.69	74	29015	51.630	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	45933	45.800	ug/l	98
10) Methyl Iodide	4.28	142	60688	48.986	ug/l	100
11) Tert butyl alcohol	5.20	59	19621	236.960	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	43162	47.968	ug/l	99
13) Acrolein	3.90	56	23054	307.053	ug/l	99
14) Allyl chloride	4.67	41	74455	47.037	ug/l	99
15) Acrylonitrile	5.38	53	61557	281.436	ug/l	99
16) Acetone	4.14	43	44570	267.717	ug/l	100
17) Carbon Disulfide	4.38	76	127179	44.677	ug/l	100
18) Methyl Acetate	4.68	43	44673	73.325	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	145335	55.098	ug/l	99
20) Methylene Chloride	4.92	84	61449	53.854	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	45932	42.793	ug/l	95
22) Diisopropyl ether	6.31	45	164050	50.774	ug/l	99
23) Vinyl Acetate	6.26	43	273788	153.026	ug/l	100
24) 1,1-Dichloroethane	6.22	63	91900	49.397	ug/l	98
25) 2-Butanone	7.18	43	78323	283.278	ug/l	98
26) 2,2-Dichloropropane	7.17	77	77529	47.760	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	54249	45.458	ug/l	98
28) Bromochloromethane	7.51	49	33980	49.729	ug/l #	97
29) Tetrahydrofuran	7.53	42	51154	284.493	ug/l	99
30) Chloroform	7.68	83	95445	46.795	ug/l	100
31) Cyclohexane	7.95	56	80698	43.297	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	87013	49.554	ug/l	98
36) 1,1-Dichloropropene	8.09	75	69226	47.894	ug/l	99
37) Ethyl Acetate	7.25	43	30155	49.068	ug/l	98
38) Carbon Tetrachloride	8.07	117	72487	51.030	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	73983	41.244	ug/l	98
40) Benzene	8.32	78	208453	51.028	ug/l	98
41) Methacrylonitrile	7.49	41	21565	57.291	ug/l	95
42) 1,2-Dichloroethane	8.40	62	63621	52.025	ug/l	99
43) Isopropyl Acetate	8.43	43	63291	53.673	ug/l	99
44) Trichloroethene	9.09	130	53294	48.521	ug/l	97
45) 1,2-Dichloropropane	9.37	63	55142	53.439	ug/l	100
46) Dibromomethane	9.46	93	27479	52.585	ug/l	97
47) Bromodichloromethane	9.65	83	71342	51.847	ug/l	99
48) Methyl methacrylate	9.44	41	33996	59.745	ug/l	98
49) 1,4-Dioxane	9.47	88	9850	1243.889	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	175296	301.622	ug/l	97
52) Toluene	10.39	92	137106	50.168	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	62651	46.590	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	77753	48.316	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	41613	54.007	ug/l	97
56) Ethyl methacrylate	10.65	69	44686	46.647	ug/l	98
57) 1,3-Dichloropropane	10.93	76	69685	53.157	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	135655	288.043	ug/l	98
59) 2-Hexanone	10.97	43	120681	310.262	ug/l	100
60) Dibromochloromethane	11.13	129	46853	53.324	ug/l	98
61) 1,2-Dibromoethane	11.24	107	37969	53.021	ug/l	99
64) Tetrachloroethene	10.87	164	44672	52.923	ug/l	97
65) Chlorobenzene	11.66	112	139471	50.374	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	49673	56.297	ug/l	98
67) Ethyl Benzene	11.73	91	260478	52.181	ug/l	98
68) m/p-Xylenes	11.84	106	201831	103.829	ug/l	98
69) o-Xylene	12.17	106	99433	53.895	ug/l	99
70) Styrene	12.18	104	144244	48.617	ug/l	100
71) Bromoform	12.35	173	25557	62.131	ug/l #	100
73) Isopropylbenzene	12.47	105	256564	62.489	ug/l	100
74) N-amyl acetate	12.27	43	44505	54.161	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	45714	75.692	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	57814	138.766	ug/l #	100
77) Bromobenzene	12.75	156	52928	60.823	ug/l	98
78) n-propylbenzene	12.81	91	269071	54.539	ug/l	99
79) 2-Chlorotoluene	12.90	91	164787	56.994	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	209682	59.310	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	12576	68.712	ug/l	97
82) 4-Chlorotoluene	12.99	91	158627	52.037	ug/l	100
83) tert-Butylbenzene	13.21	119	184178	61.346	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	202009	56.877	ug/l	100
85) sec-Butylbenzene	13.39	105	225402	52.617	ug/l	99
86) p-Isopropyltoluene	13.51	119	199168	53.197	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	89455	50.272	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	87394	49.280	ug/l	99
89) n-Butylbenzene	13.83	91	145840	41.151	ug/l	99
90) Hexachloroethane	14.10	117	30653	50.221	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	86953	54.648	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7947	76.039	ug/l	97

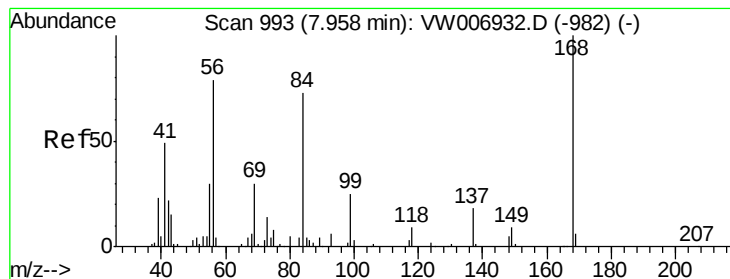
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	34629	34.591	ug/l	99
94) Hexachlorobutadiene	15.24	225	16999	32.144	ug/l	99
95) Naphthalene	15.38	128	124700	64.647	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	32183	37.500	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

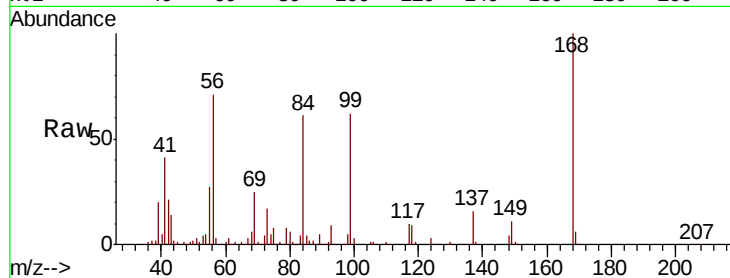
MMTW-03(8-10)MSD

Tot Ion:168 Resp: 97664

Ion Ratio Lower Upper

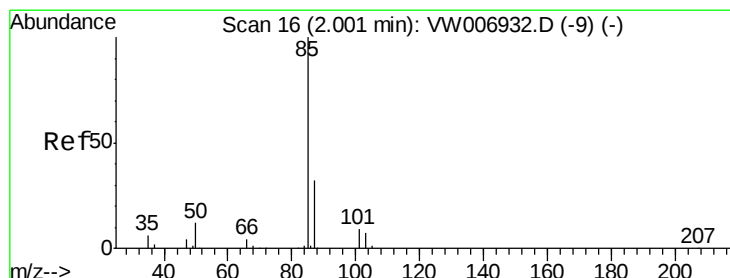
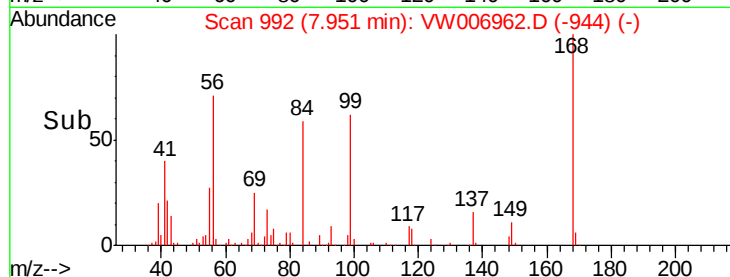
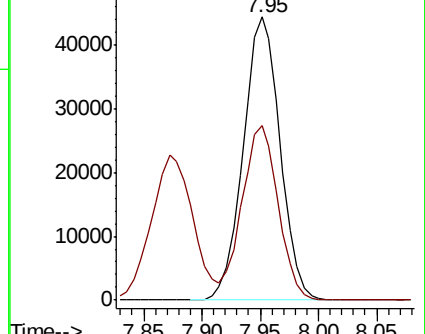
168 100

99 61.5 49.3 73.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 52.748 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW006962.D

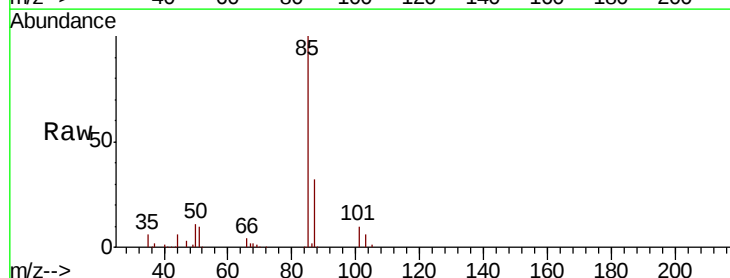
Acq: 19 Nov 2018 23:57

Tgt Ion: 85 Resp: 49322

Ion Ratio Lower Upper

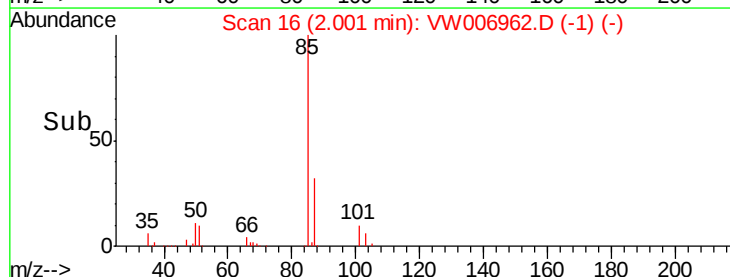
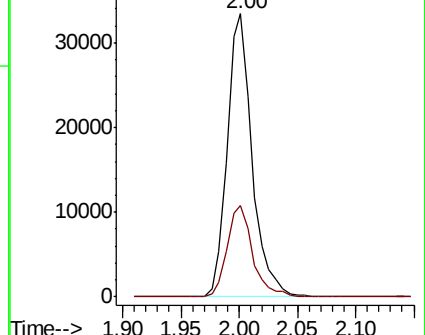
85 100

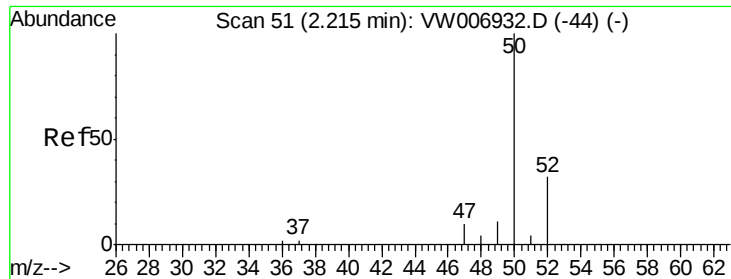
87 32.3 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 51.381 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

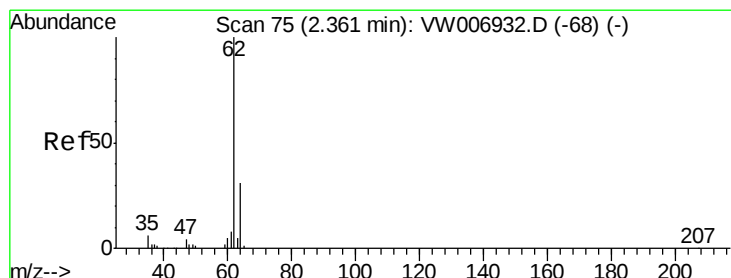
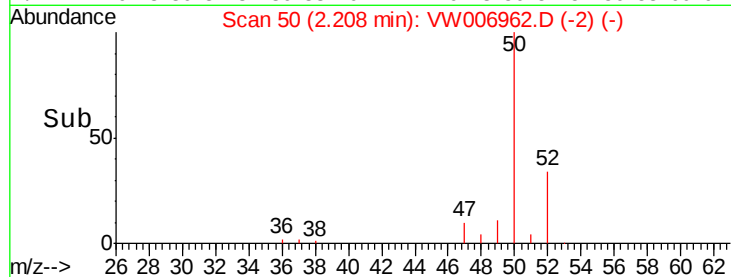
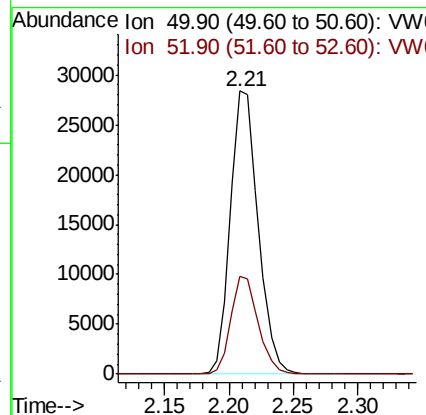
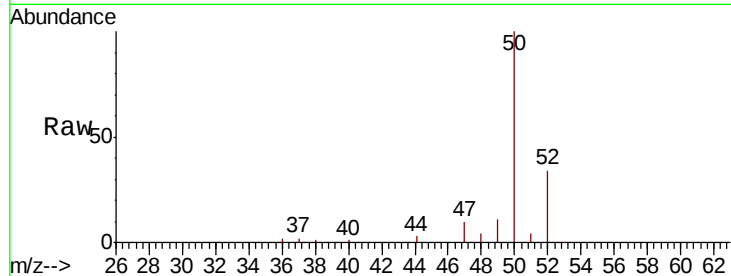
MMTW-03(8-10)MSD

Tot Ion: 50 Resp: 43249

Ion Ratio Lower Upper

50 100

52 34.5 25.4 38.2



#4

Vinyl Chloride

Concen: 50.118 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW006962.D

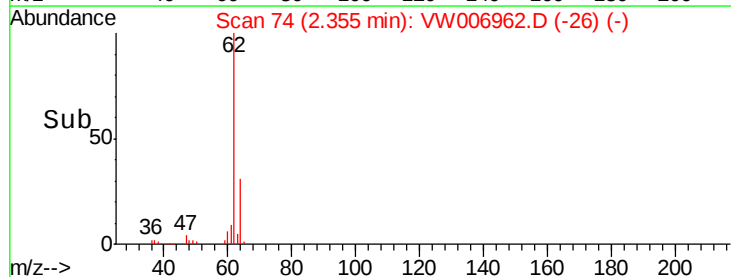
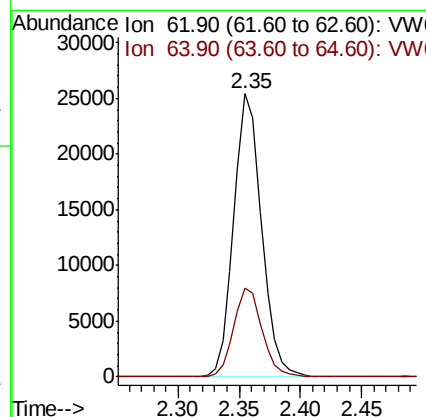
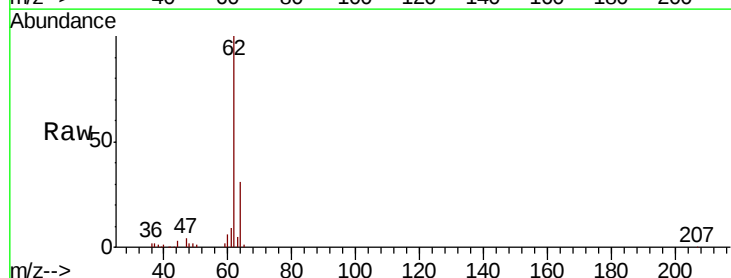
Acq: 19 Nov 2018 23:57

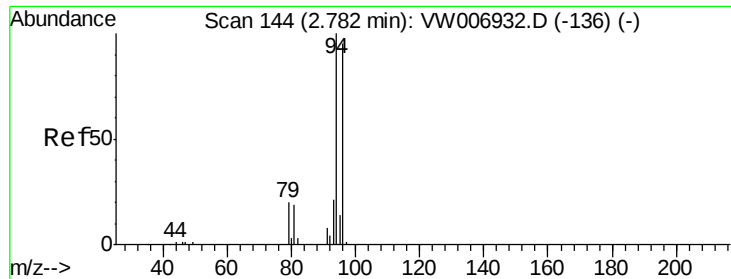
Tgt Ion: 62 Resp: 39990

Ion Ratio Lower Upper

62 100

64 31.4 24.6 37.0





#5

Bromomethane

Concen: 53.706 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

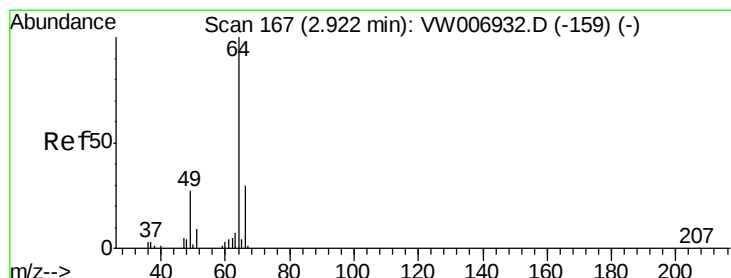
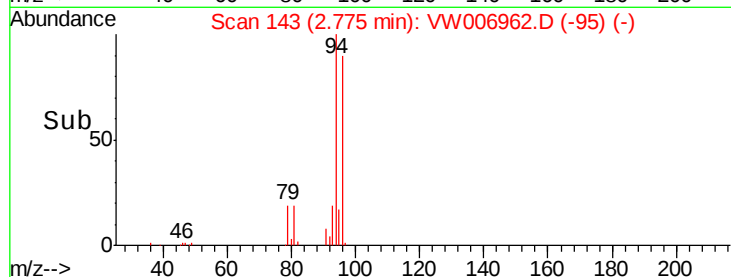
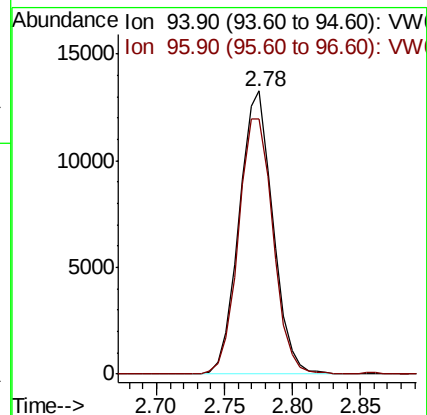
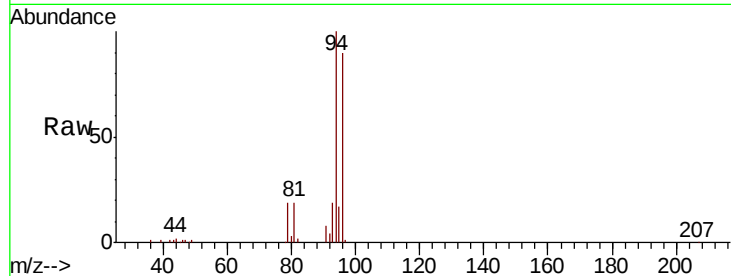
MMTW-03(8-10)MSD

Tot Ion: 94 Resp: 23019

Ion Ratio Lower Upper

94 100

96 90.2 76.2 114.4



#6

Chloroethane

Concen: 53.408 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW006962.D

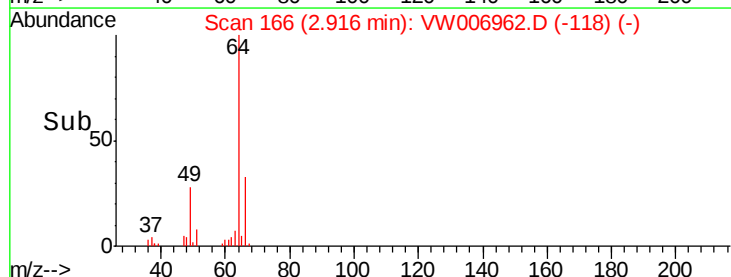
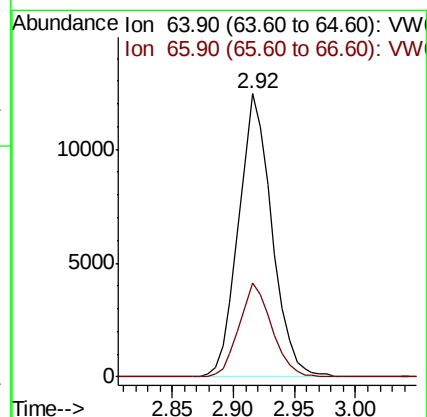
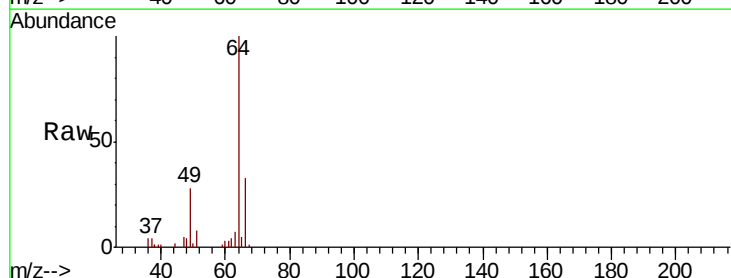
Acq: 19 Nov 2018 23:57

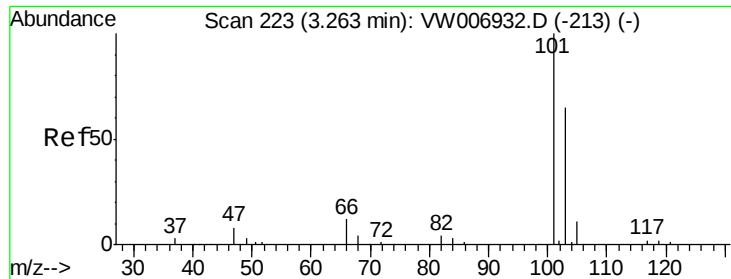
Tgt Ion: 64 Resp: 23469

Ion Ratio Lower Upper

64 100

66 33.0 24.0 36.0



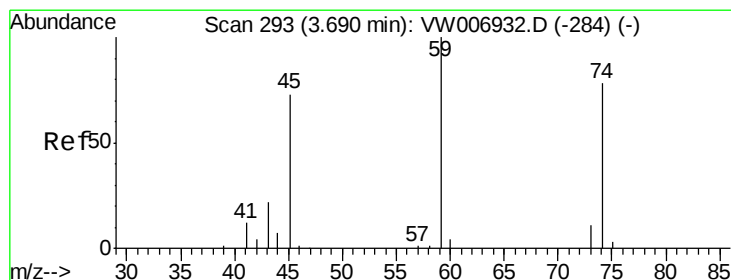
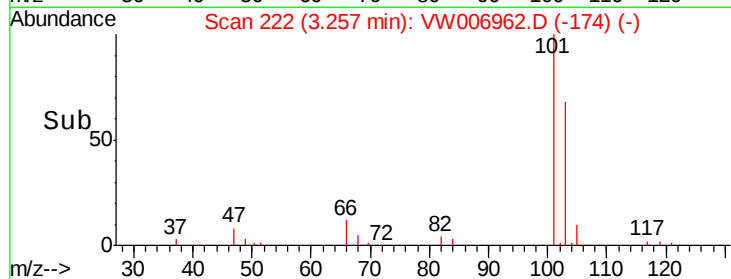
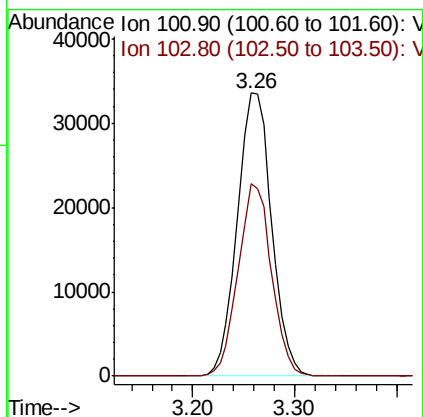
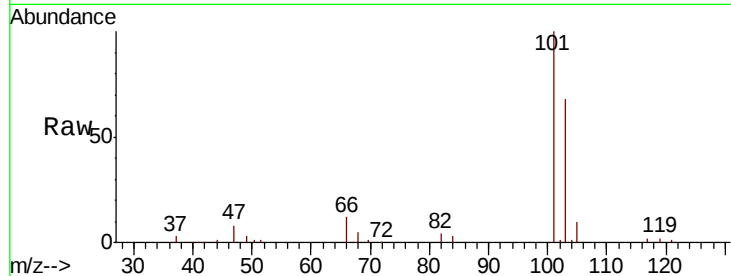


#7

Trichlorofluoromethane
Concen: 50.796 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW006962.D
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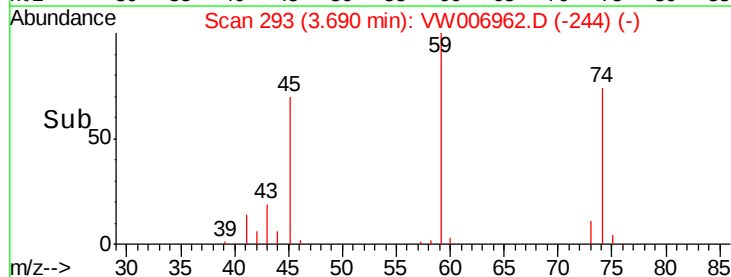
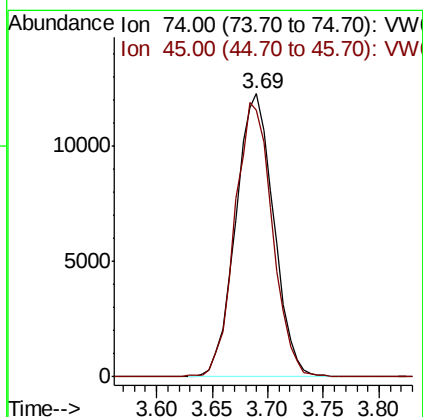
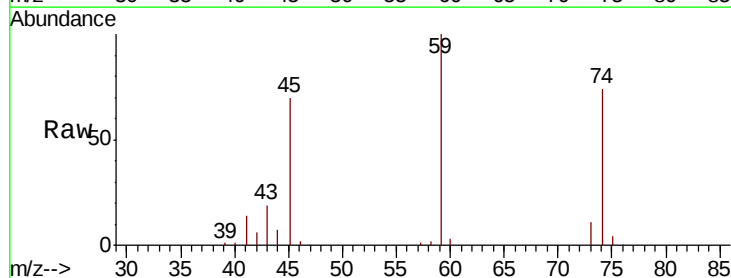
Tot Ion:101 Resp: 78885
Ion Ratio Lower Upper
101 100
103 67.8 52.2 78.2

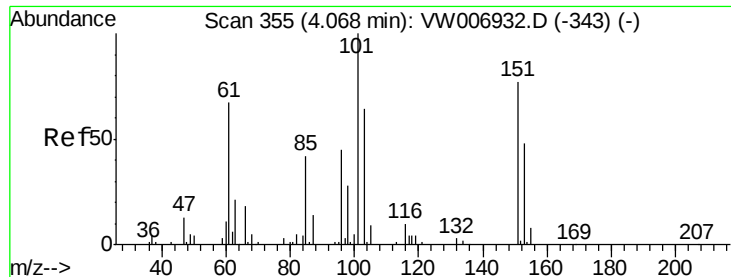


#8

Diethyl Ether
Concen: 51.630 ug/l
RT: 3.69 min Scan# 293
Delta R.T. -0.00 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

Tgt Ion: 74 Resp: 29015
Ion Ratio Lower Upper
74 100
45 95.8 48.0 144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.800 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MSD

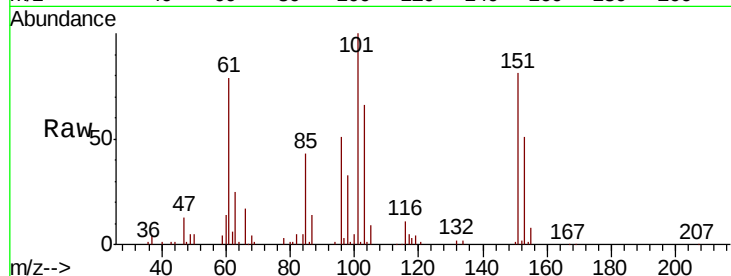
Tot Ion:101 Resp: 45933

Ion Ratio Lower Upper

101 100

85 43.4 34.5 51.7

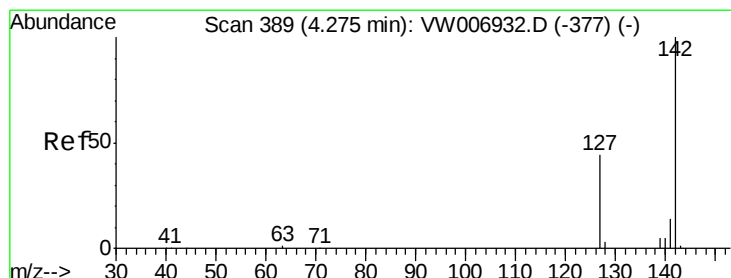
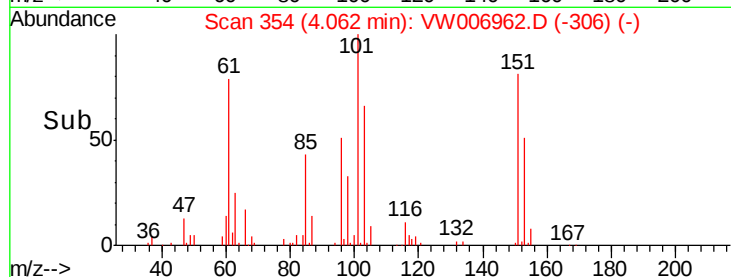
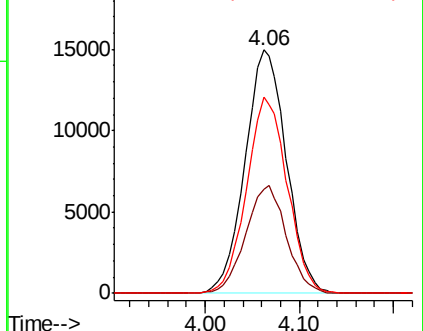
151 79.3 61.5 92.3



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: 48.986 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

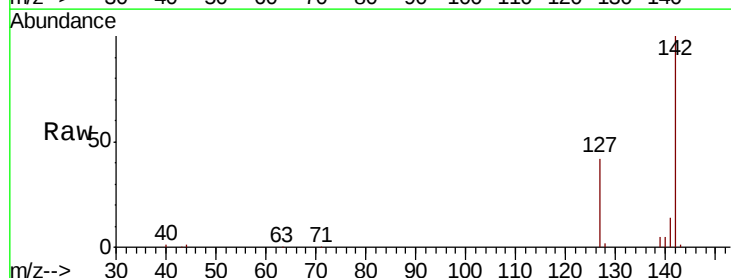
Tgt Ion:142 Resp: 60688

Ion Ratio Lower Upper

142 100

127 42.8 34.4 51.6

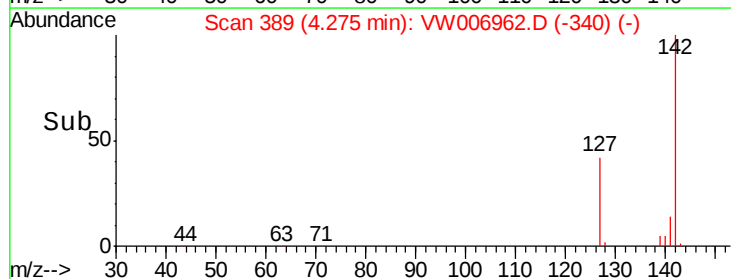
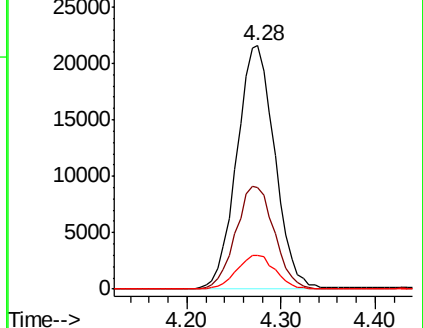
141 14.0 11.5 17.3

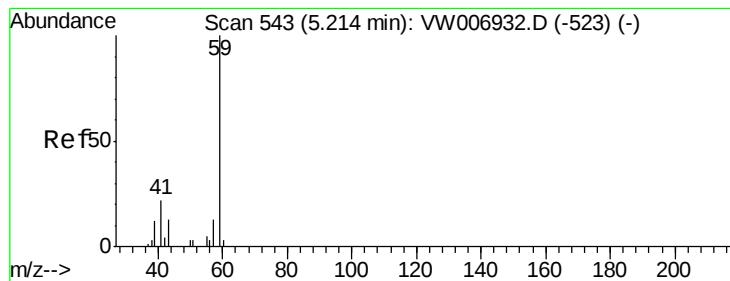


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



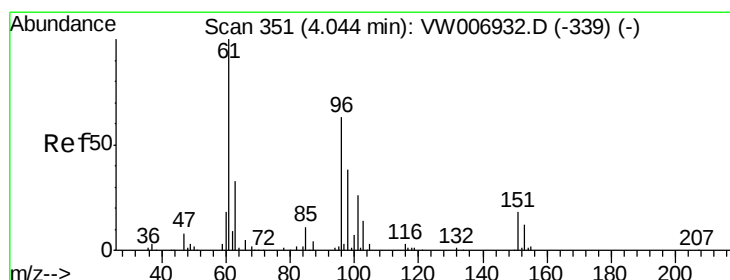
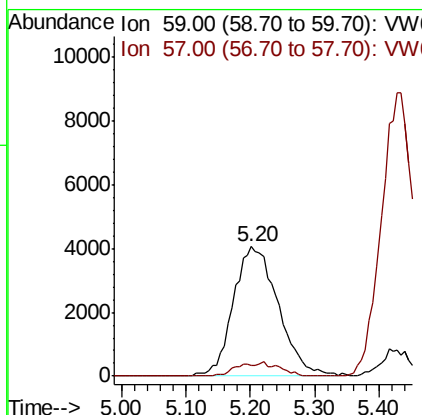
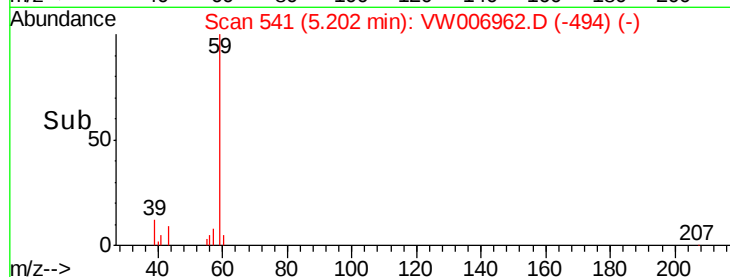
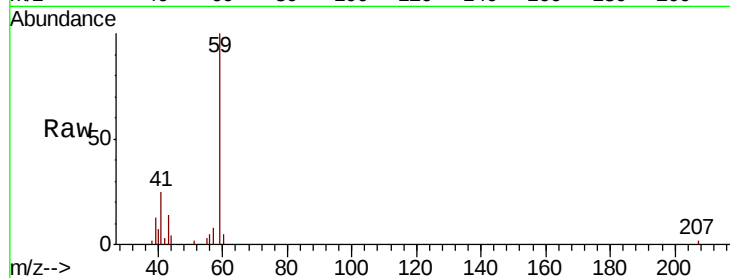


#11

Tert butyl alcohol
Concen: 236.960 ug/l
RT: 5.20 min Scan# 541
Delta R.T. -0.01 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MSD

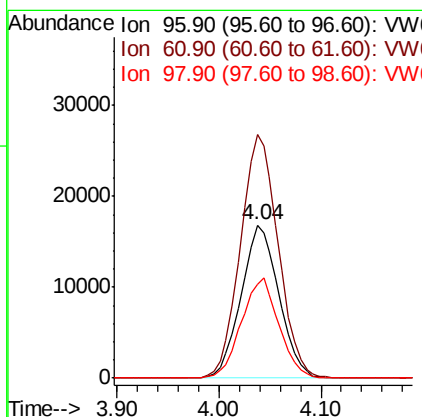
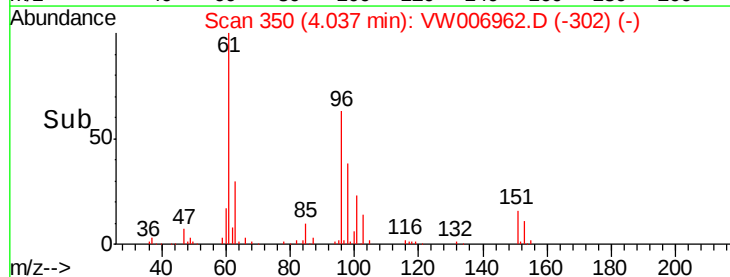
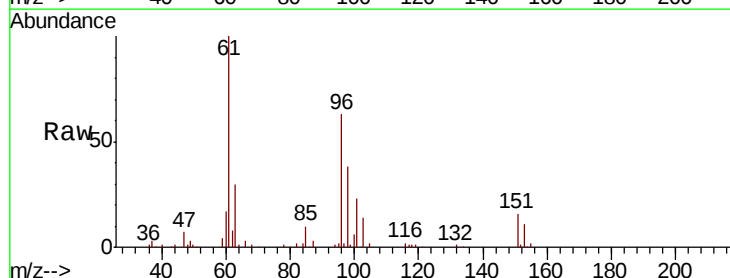
Tot Ion: 59 Resp: 19621
Ion Ratio Lower Upper
59 100
57 4.9 8.8 13.2#

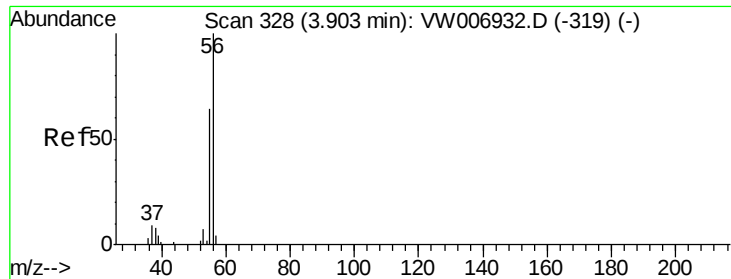


#12

1,1-Dichloroethene
Concen: 47.968 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

Tgt Ion: 96 Resp: 43162
Ion Ratio Lower Upper
96 100
61 159.4 127.8 191.8
98 61.3 48.3 72.5

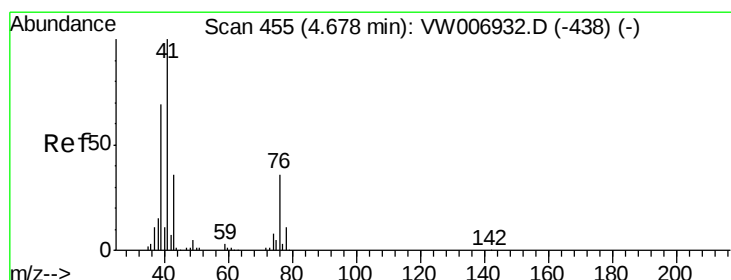
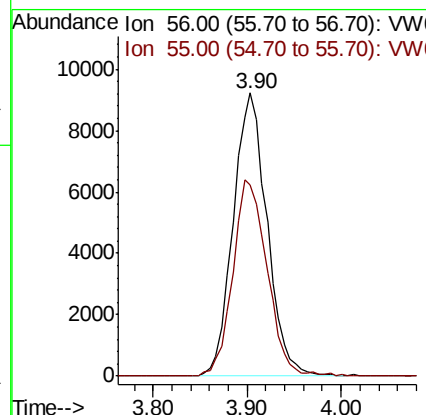
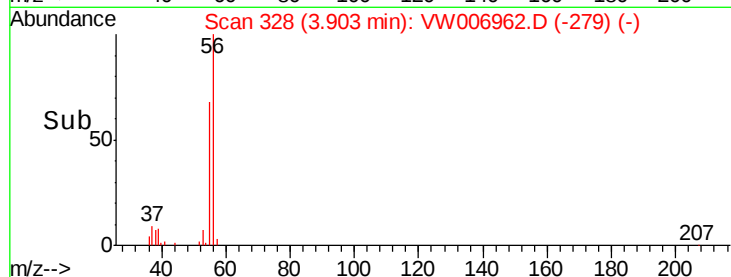
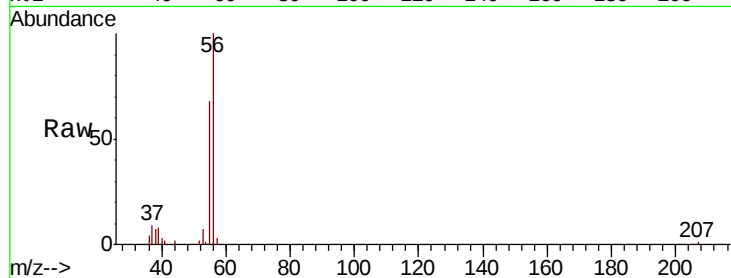




#13
Acrolein
Concen: 307.053 ug/l
RT: 3.90 min Scan# 328
Delta R.T. -0.00 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

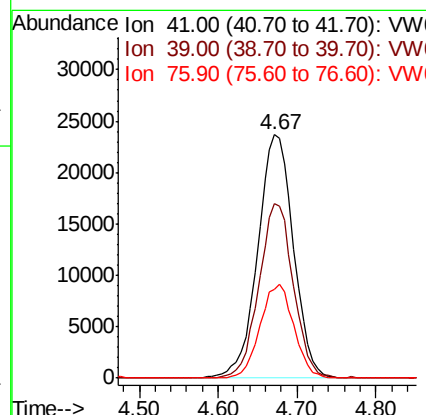
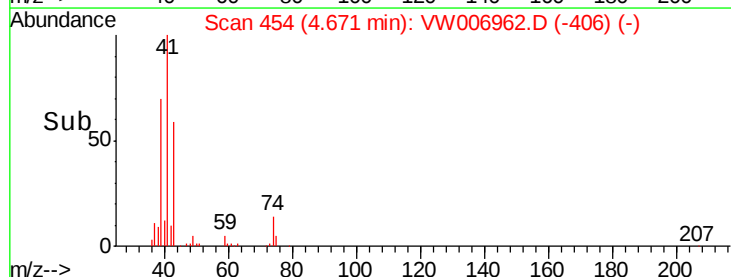
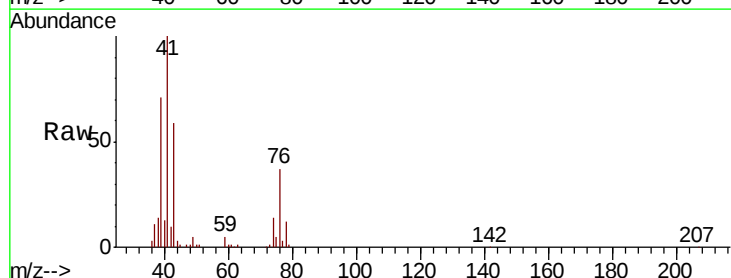
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MSD

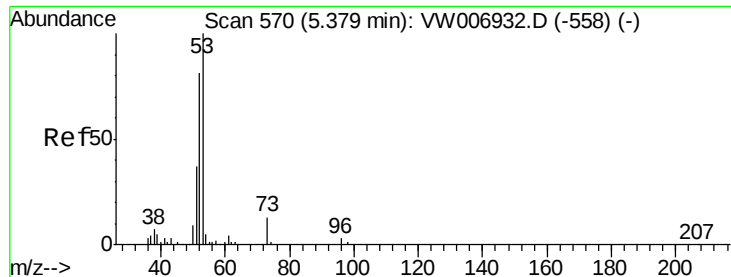
Tot Ion: 56 Resp: 23054
Ion Ratio Lower Upper
56 100
55 69.8 56.5 84.7



#14
Allyl chloride
Concen: 47.037 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

Tgt Ion: 41 Resp: 74455
Ion Ratio Lower Upper
41 100
39 68.9 55.0 82.4
76 36.1 28.0 42.0





#15

Acrylonitrile

Concen: 281.436 ug/l

RT: 5.38 min Scan# 570

Delta R.T. -0.00 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MSD

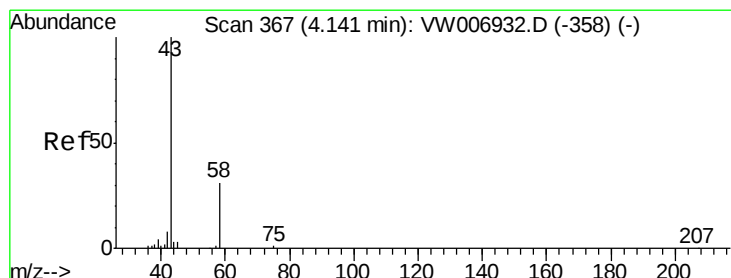
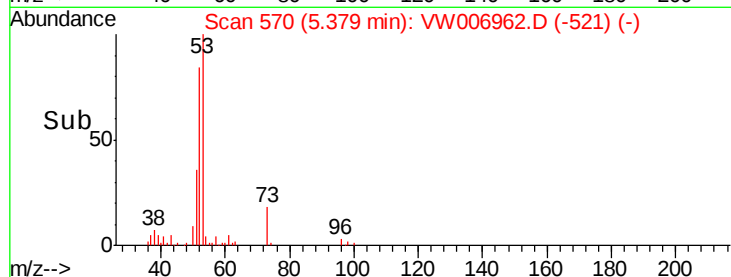
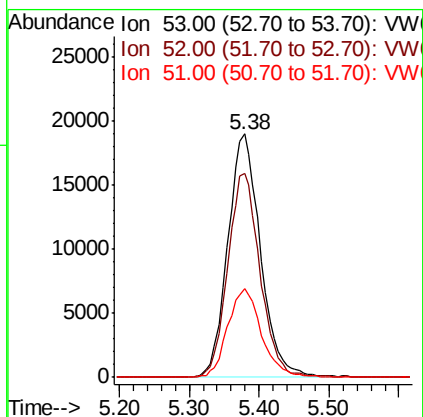
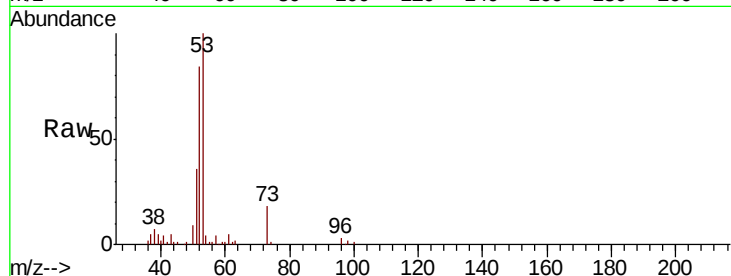
Tot Ion: 53 Resp: 61557

Ion Ratio Lower Upper

53 100

52 82.8 67.0 100.6

51 37.6 29.8 44.6



#16

Acetone

Concen: 267.717 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW006962.D

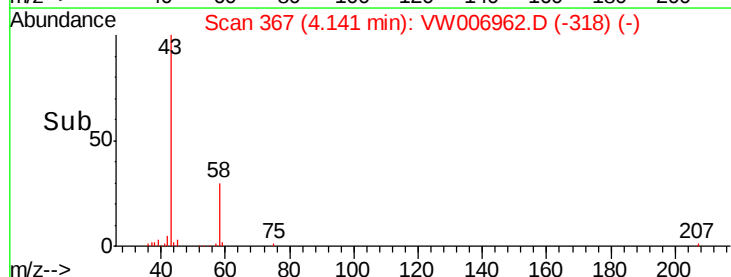
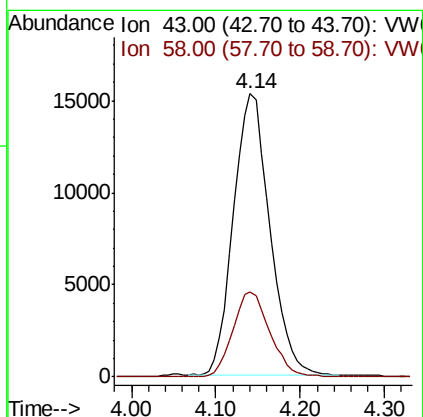
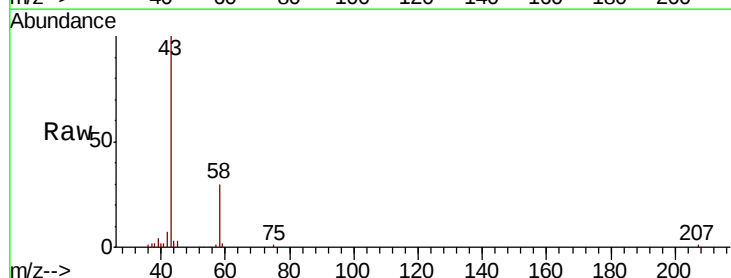
Acq: 19 Nov 2018 23:57

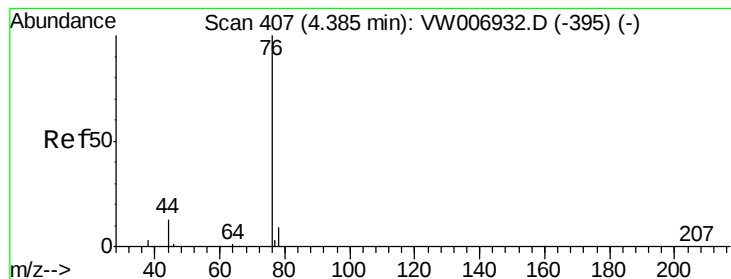
Tgt Ion: 43 Resp: 44570

Ion Ratio Lower Upper

43 100

58 30.2 24.2 36.4





#17

Carbon Disulfide

Concen: 44.677 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

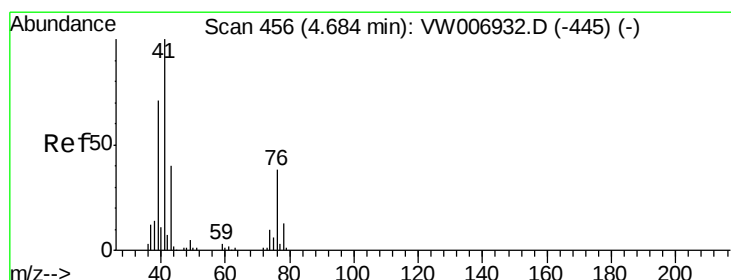
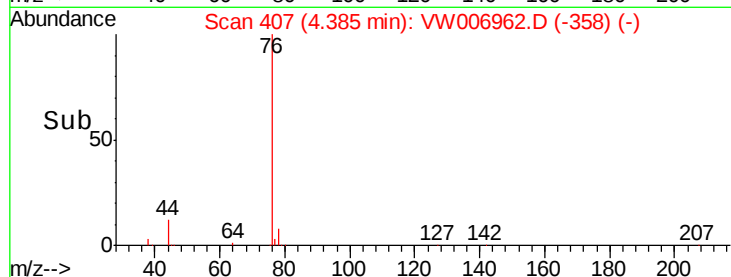
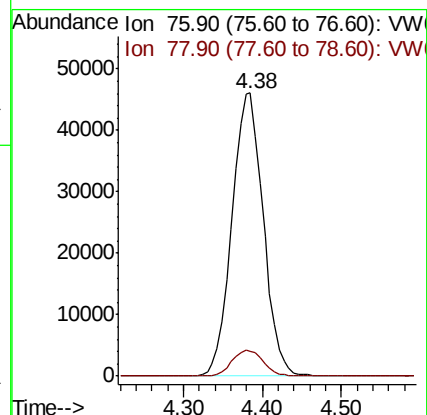
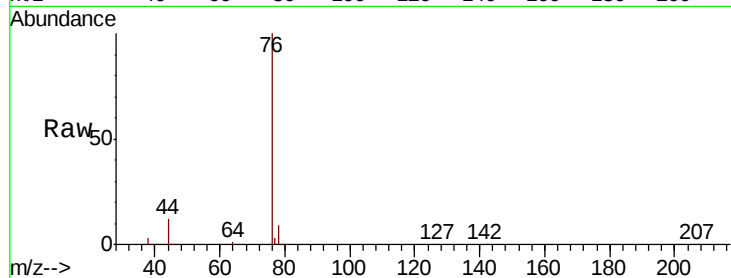
MMTW-03(8-10)MSD

Tot Ion: 76 Resp: 127179

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7



#18

Methyl Acetate

Concen: 73.325 ug/l

RT: 4.68 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW006962.D

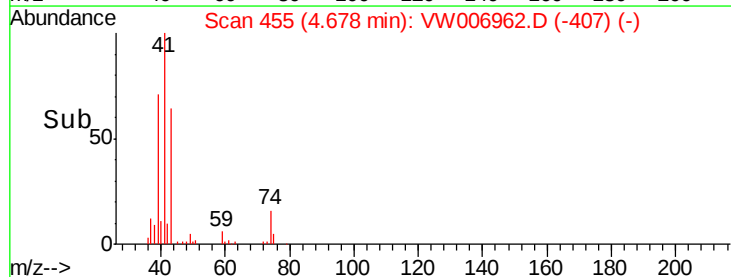
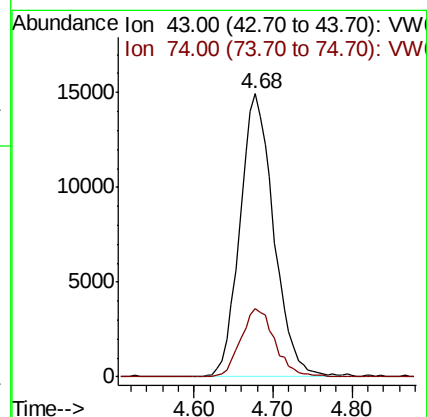
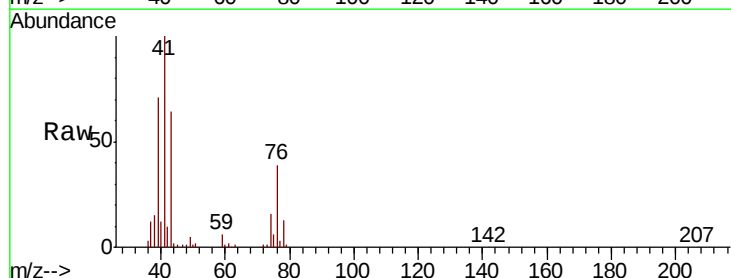
Acq: 19 Nov 2018 23:57

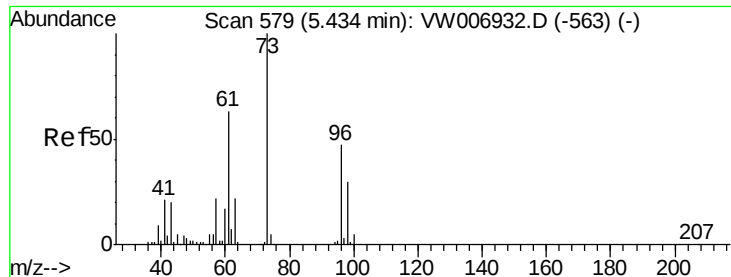
Tgt Ion: 43 Resp: 44673

Ion Ratio Lower Upper

43 100

74 24.1 20.3 30.5

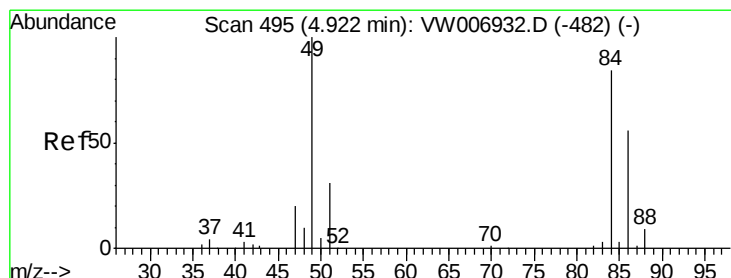
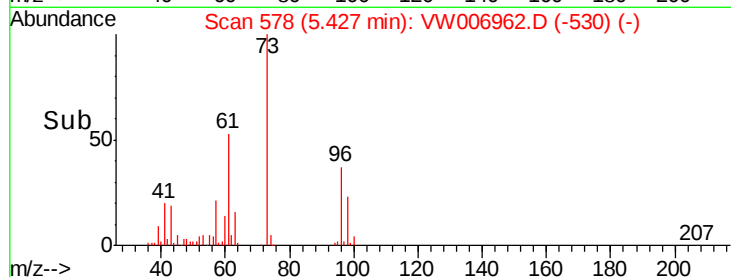
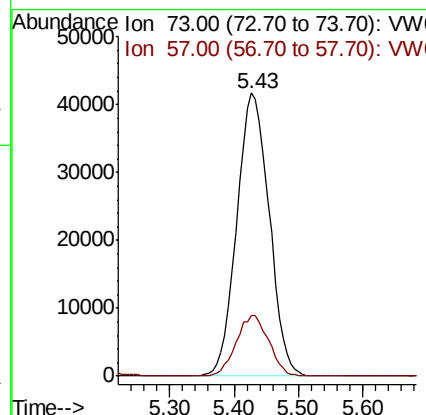
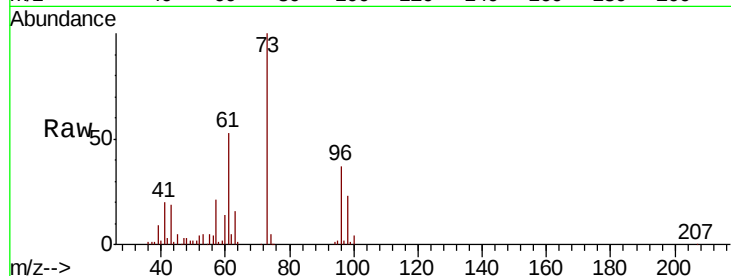




#19
Methyl tert-butyl Ether
Concen: 55.098 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

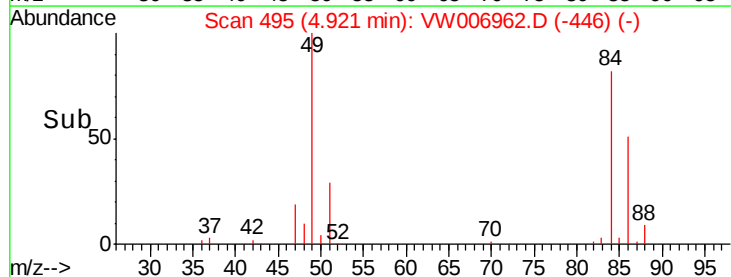
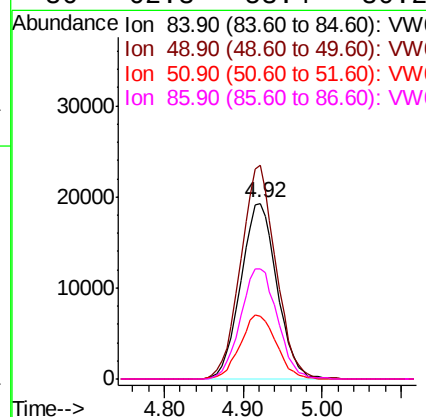
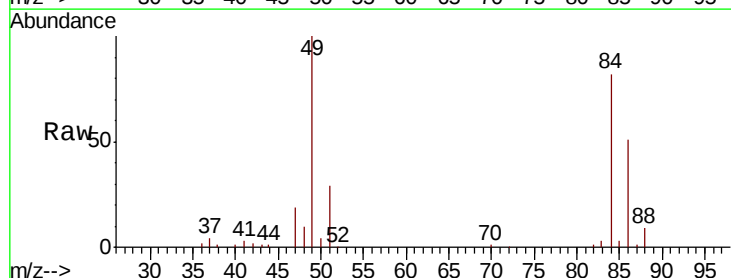
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MSD

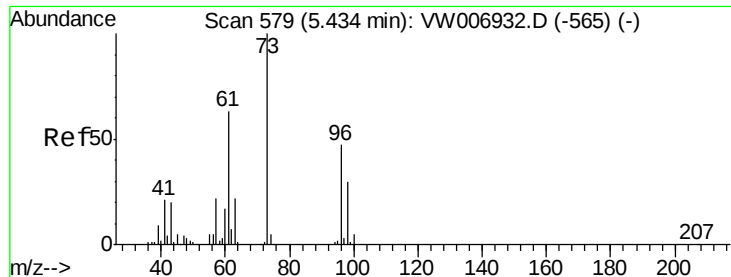
Tot Ion: 73 Resp: 145335
Ion Ratio Lower Upper
73 100
57 21.3 17.5 26.3



#20
Methylene Chloride
Concen: 53.854 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

Tgt Ion: 84 Resp: 61449
Ion Ratio Lower Upper
84 100
49 121.6 95.4 143.2
51 35.6 29.5 44.3
86 62.3 53.4 80.2





#21

trans-1,2-Dichloroethene

Concen: 42.793 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MSD

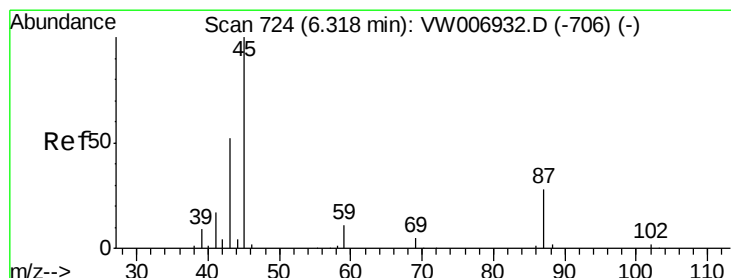
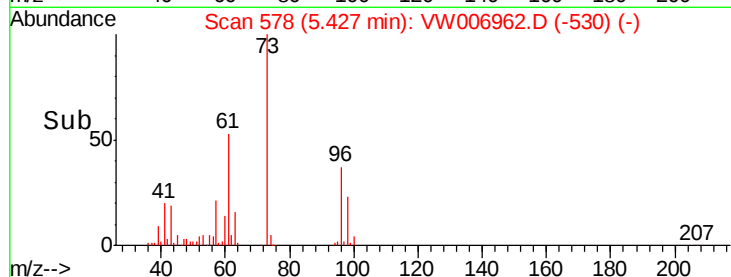
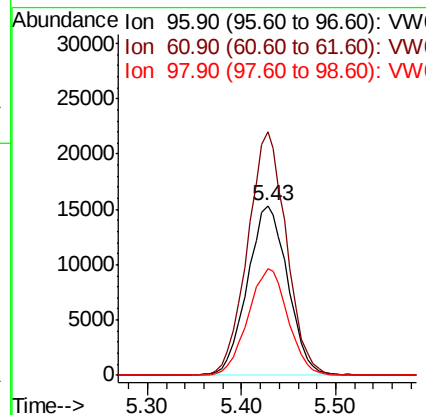
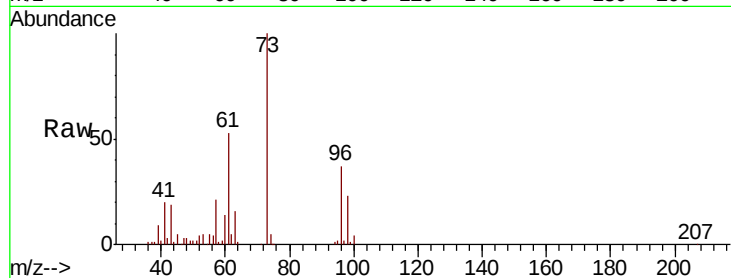
Tot Ion: 96 Resp: 45932

Ion Ratio Lower Upper

96 100

61 143.4 108.2 162.4

98 62.6 50.6 76.0



#22

Diisopropyl ether

Concen: 50.774 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Tgt Ion: 45 Resp: 164050

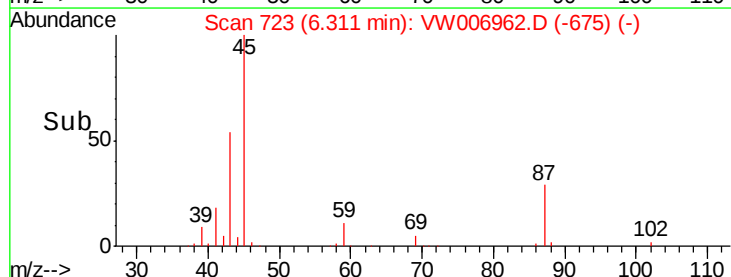
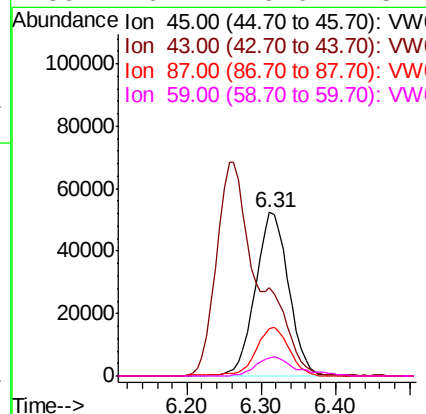
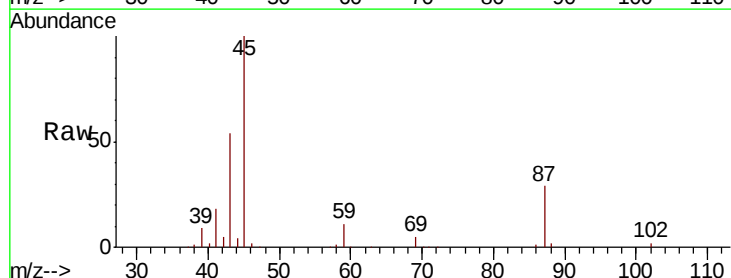
Ion Ratio Lower Upper

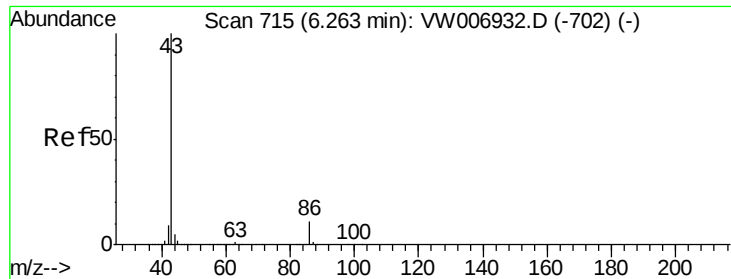
45 100

43 53.3 43.1 64.7

87 29.3 22.7 34.1

59 10.7 9.0 13.4





#23

Vinyl Acetate

Concen: 153.026 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

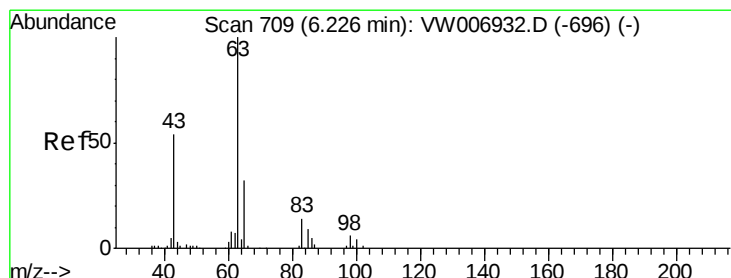
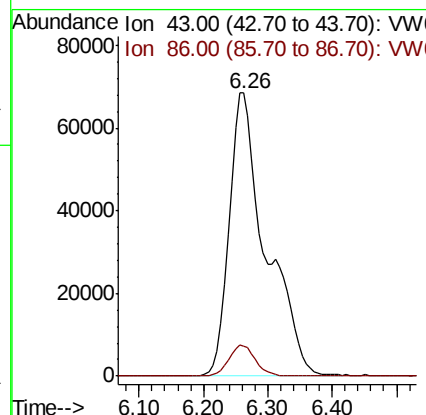
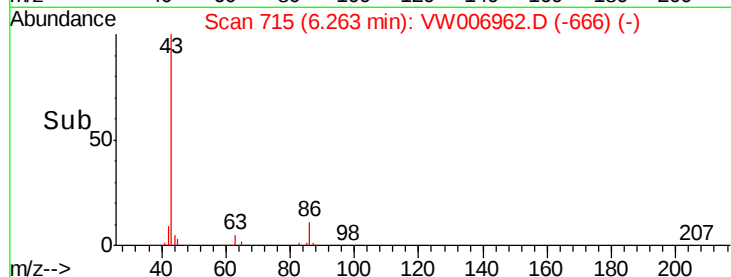
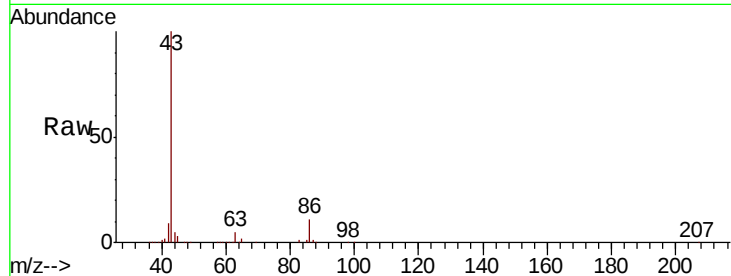
MMTW-03(8-10)MSD

Tot Ion: 43 Resp: 273788

Ion Ratio Lower Upper

43 100

86 10.7 8.7 13.1



#24

1,1-Dichloroethane

Concen: 49.397 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.01 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

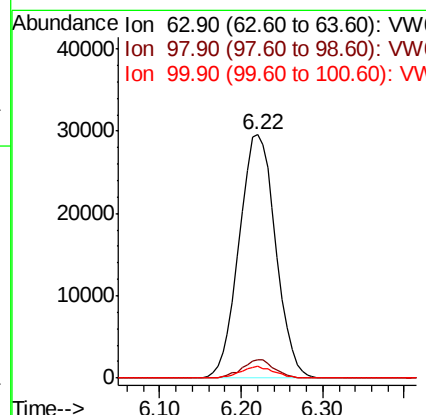
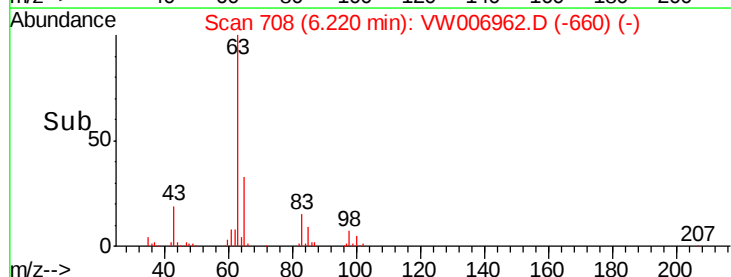
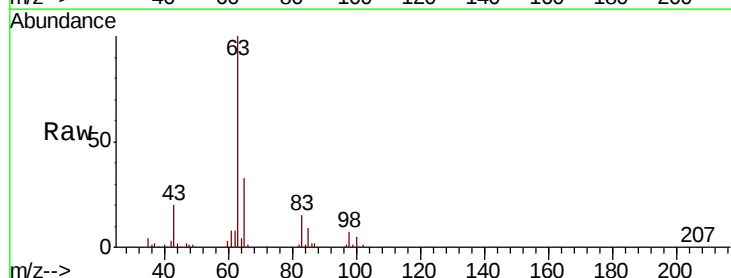
Tgt Ion: 63 Resp: 91900

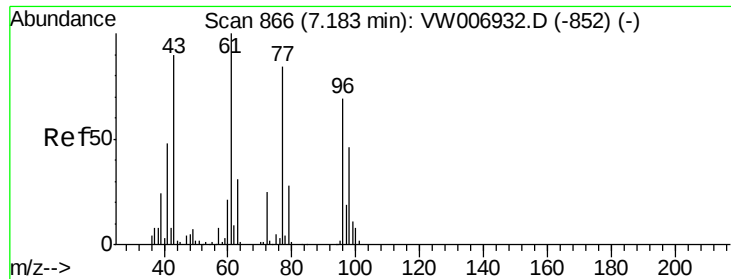
Ion Ratio Lower Upper

63 100

98 7.3 3.2 9.6

100 4.8 2.1 6.5





#25

2-Butanone

Concen: 283.278 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

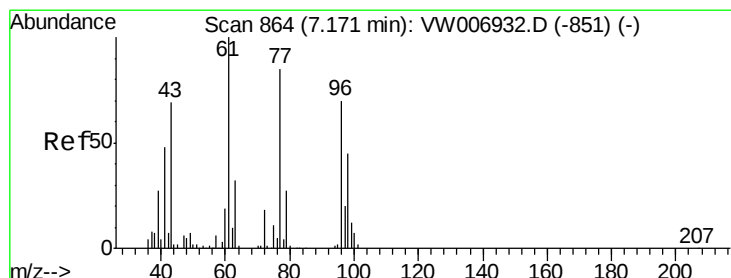
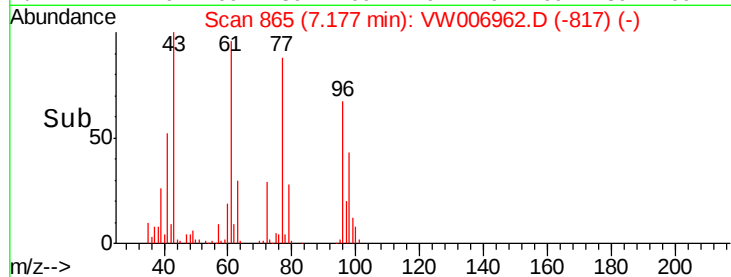
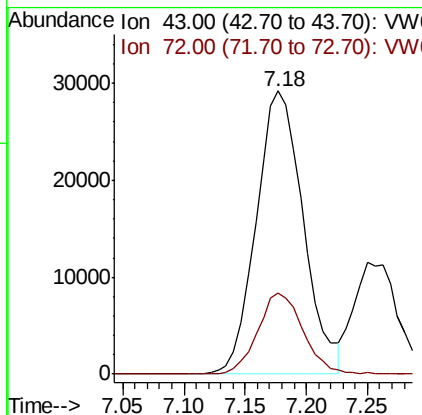
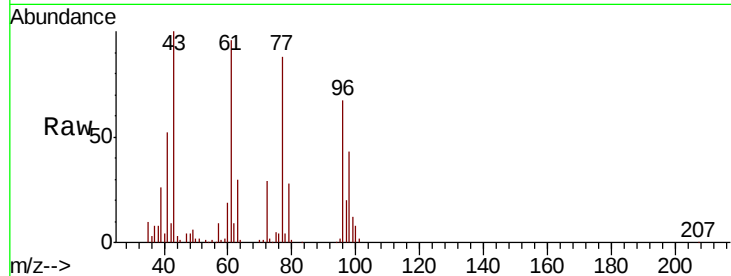
MMTW-03(8-10)MSD

Tot Ion: 43 Resp: 78323

Ion Ratio Lower Upper

43 100

72 28.7 22.1 33.1



#26

2,2-Dichloropropane

Concen: 47.760 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006962.D

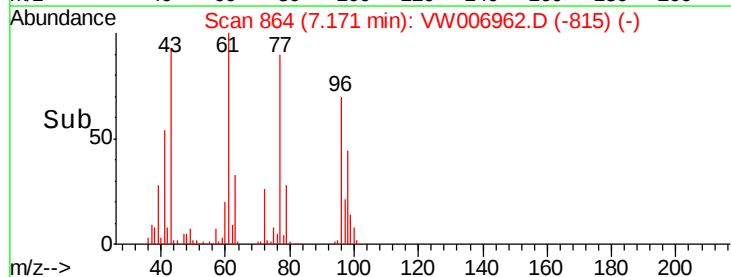
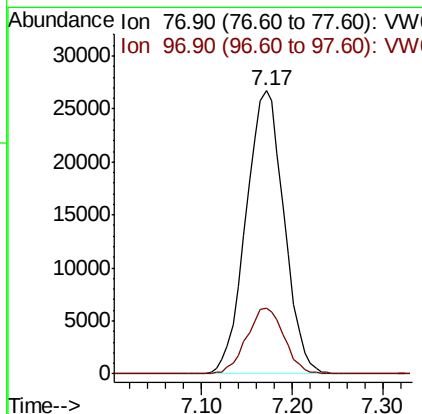
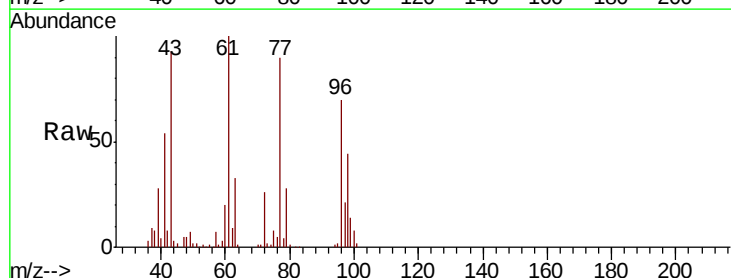
Acq: 19 Nov 2018 23:57

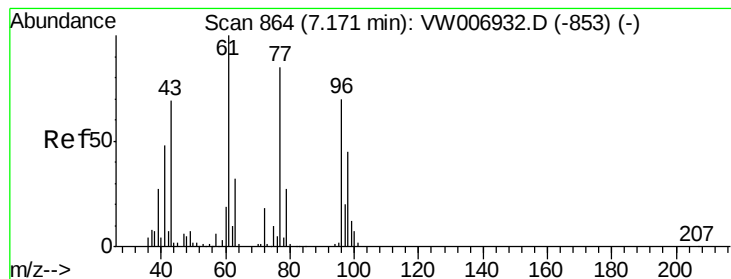
Tgt Ion: 77 Resp: 77529

Ion Ratio Lower Upper

77 100

97 22.8 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 45.458 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MSD

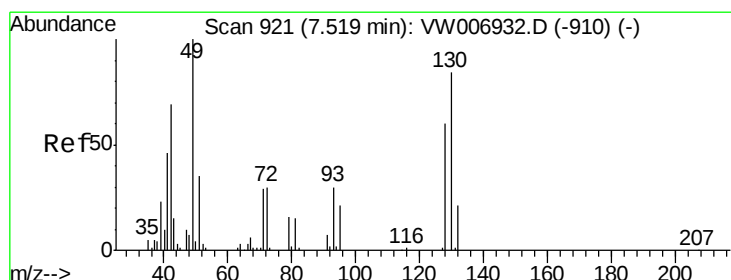
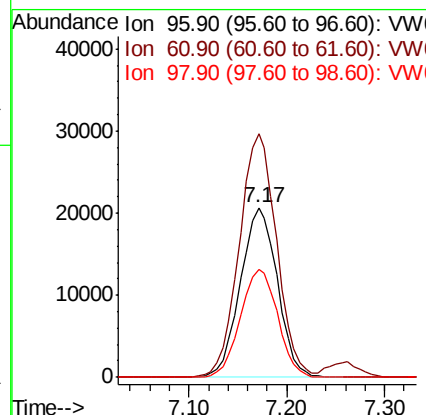
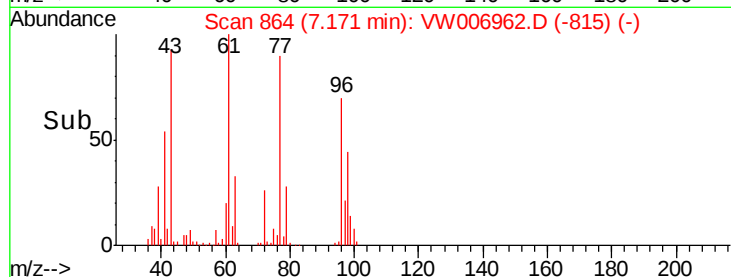
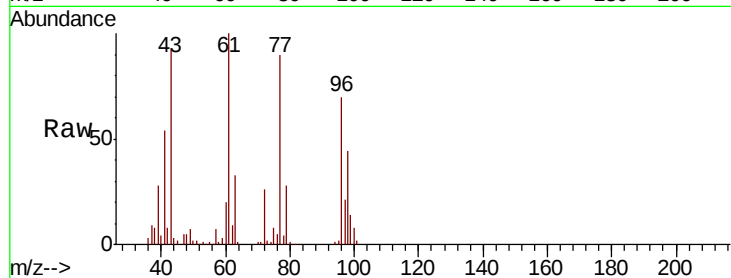
Tot Ion: 96 Resp: 54249

Ion Ratio Lower Upper

96 100

61 144.8 0.0 293.8

98 64.2 0.0 131.0



#28

Bromochloromethane

Concen: 49.729 ug/l

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

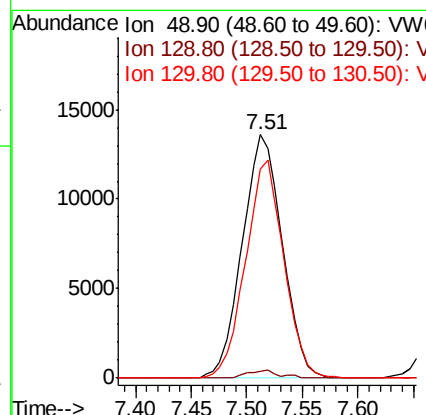
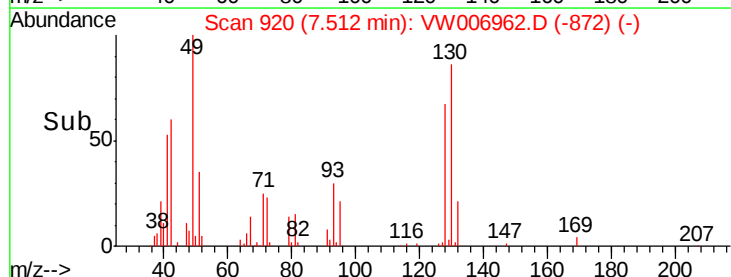
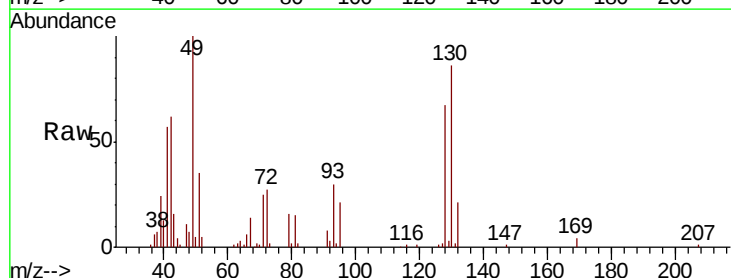
Tgt Ion: 49 Resp: 33980

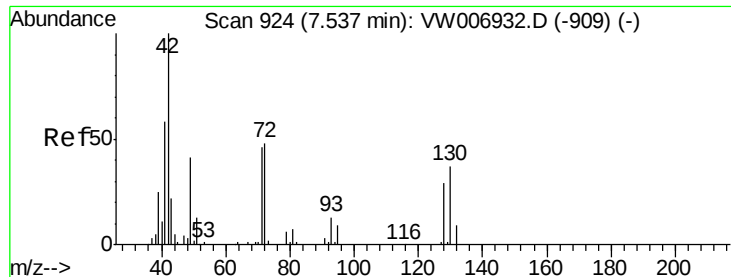
Ion Ratio Lower Upper

49 100

129 2.5 0.0 1.6#

130 85.7 66.1 99.1

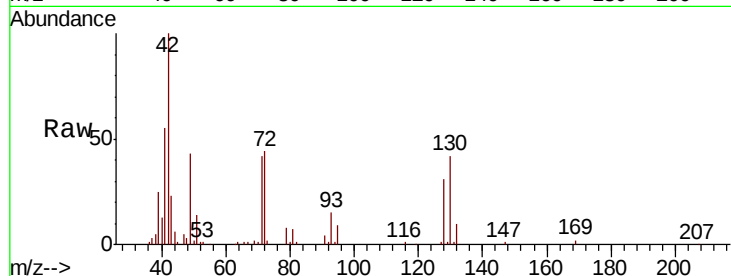




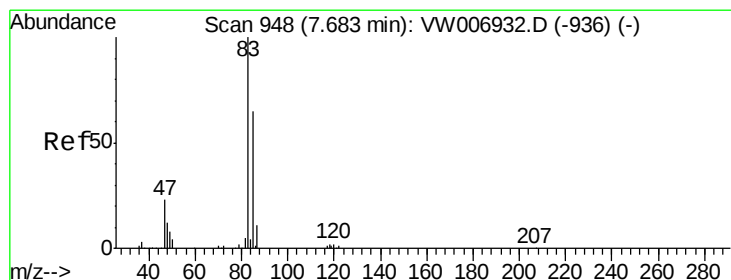
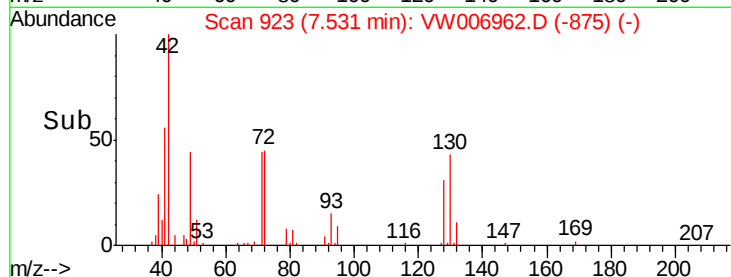
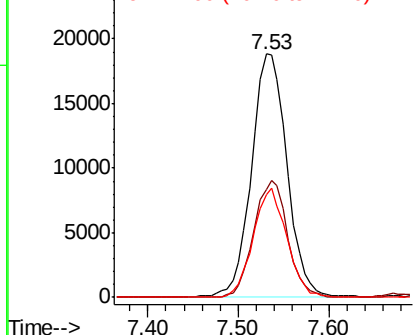
#29
Tetrahydrofuran
Concen: 284.493 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MSD

Tot Ion: 42 Resp: 51154
Ion Ratio Lower Upper
42 100
72 45.9 35.7 53.5
71 42.3 33.7 50.5

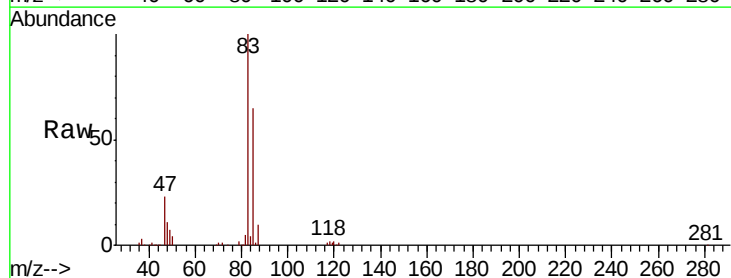


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

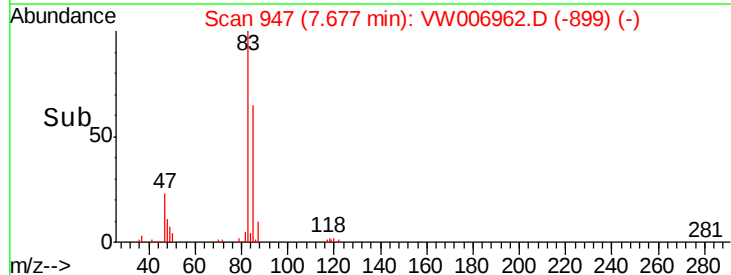
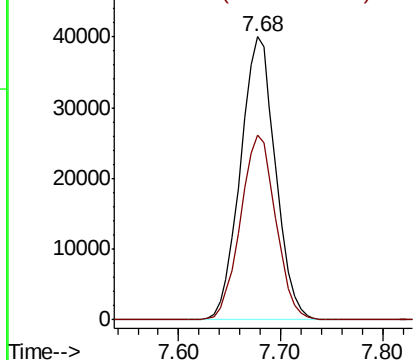


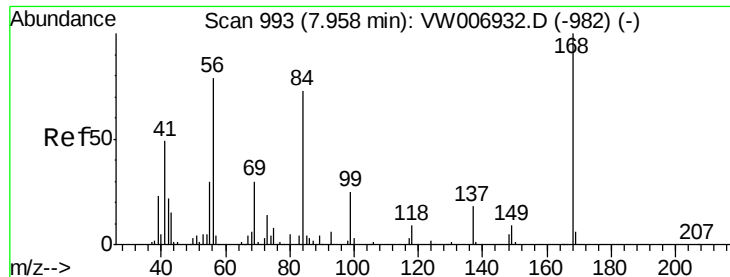
#30
Chloroform
Concen: 46.795 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

Tgt Ion: 83 Resp: 95445
Ion Ratio Lower Upper
83 100
85 65.2 52.2 78.4



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

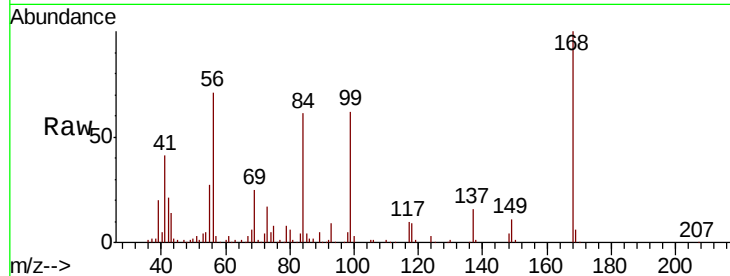




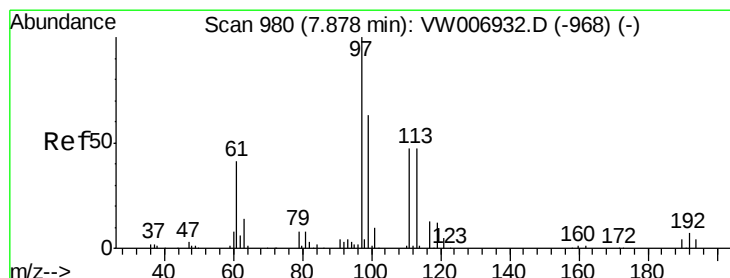
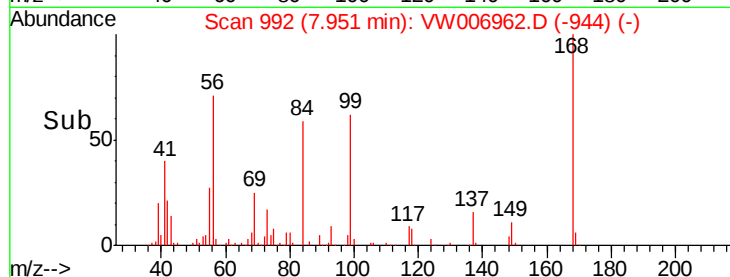
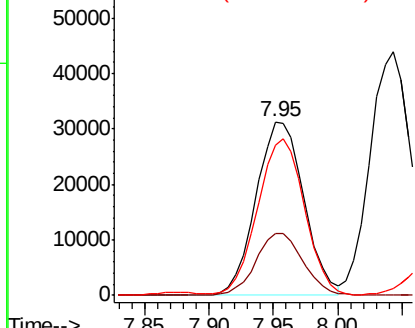
#31
Cyclohexane
Concen: 43.297 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MSD

Tot Ion: 56 Resp: 80698
Ion Ratio Lower Upper
56 100
69 35.1 30.2 45.2
84 84.4 73.6 110.4

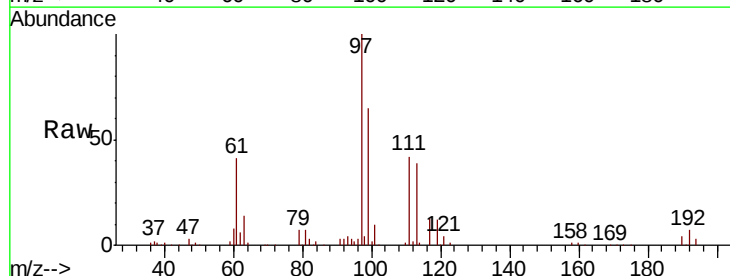


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

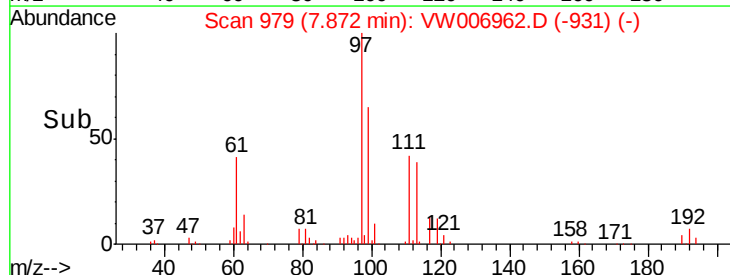
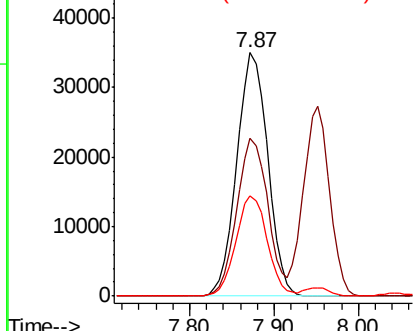


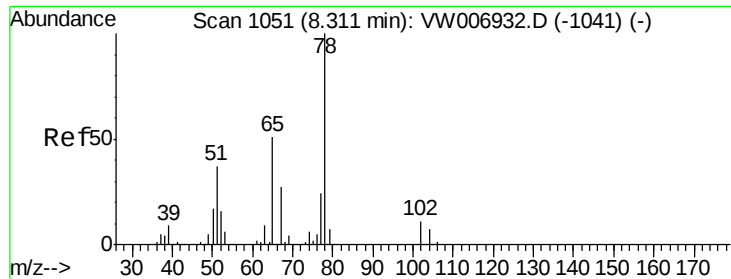
#32
1,1,1-Trichloroethane
Concen: 49.554 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

Tgt Ion: 97 Resp: 87013
Ion Ratio Lower Upper
97 100
99 65.3 51.0 76.6
61 41.7 34.2 51.2



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

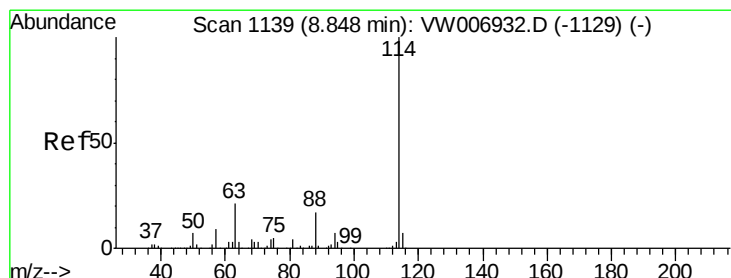
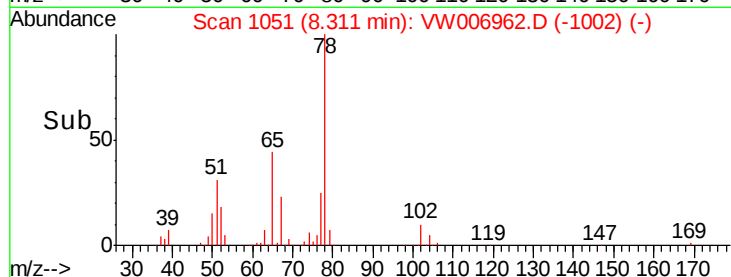
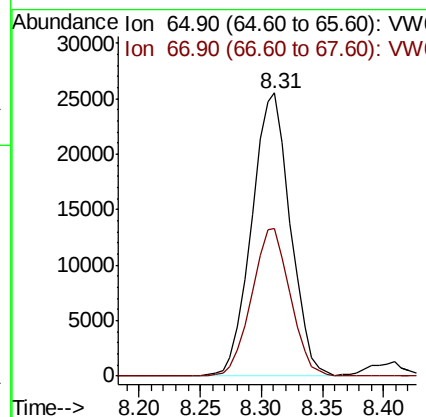
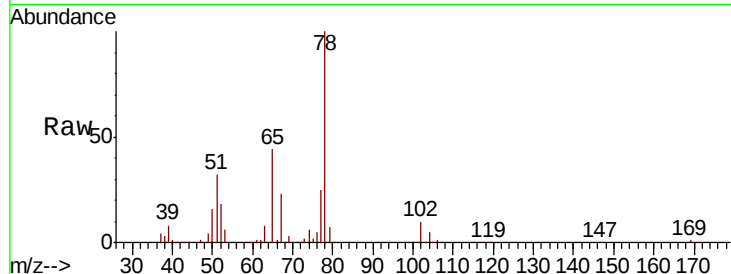




#33
 1,2-Dichloroethane-d4
 Concen: 51.455 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006962.D
 Acq: 19 Nov 2018 23:57

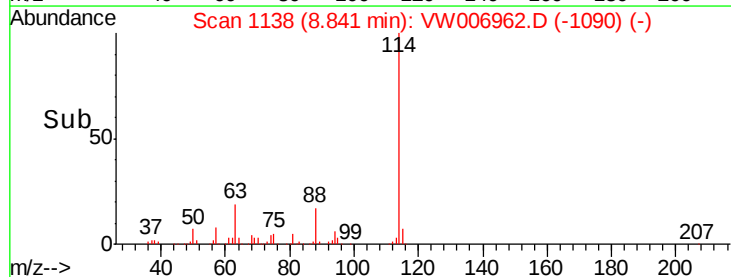
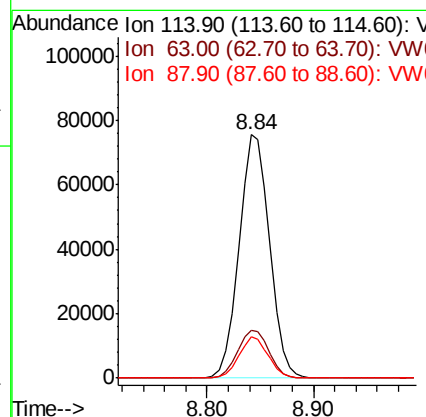
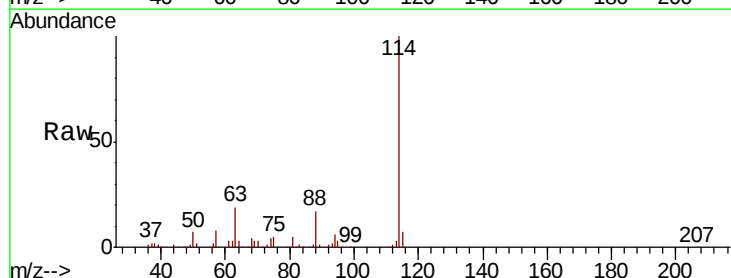
Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MSD

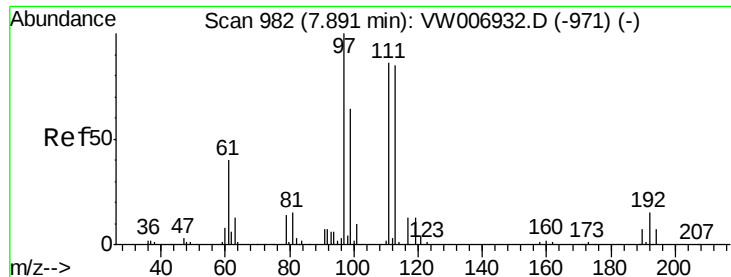
Tot Ion: 65 Resp: 56004
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006962.D
 Acq: 19 Nov 2018 23:57

Tgt Ion: 114 Resp: 151722
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 42.2
 88 17.1 0.0 33.4

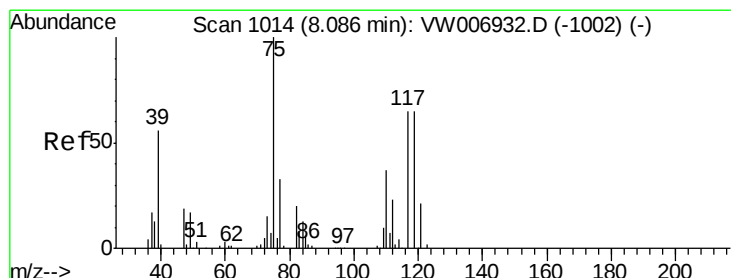
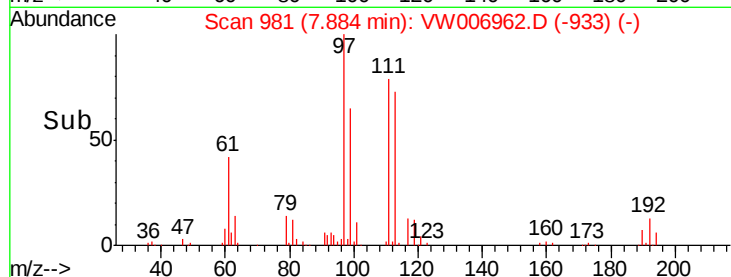
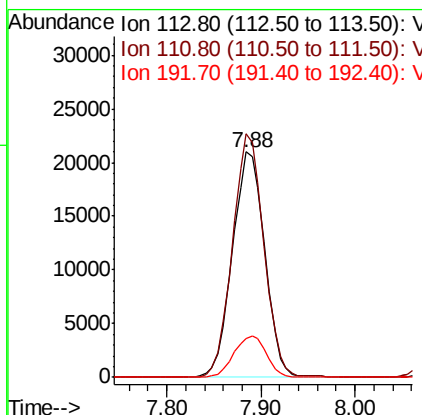
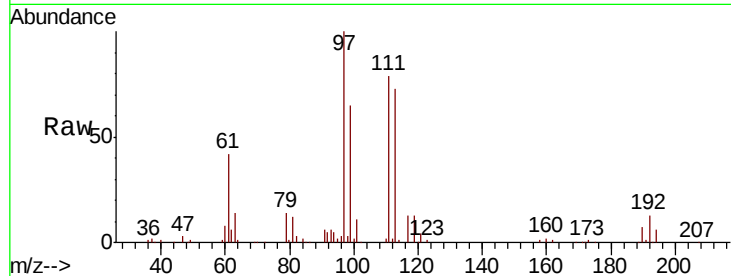




#35
 Dibromofluoromethane
 Concen: 56.263 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006962.D
 Acq: 19 Nov 2018 23:57

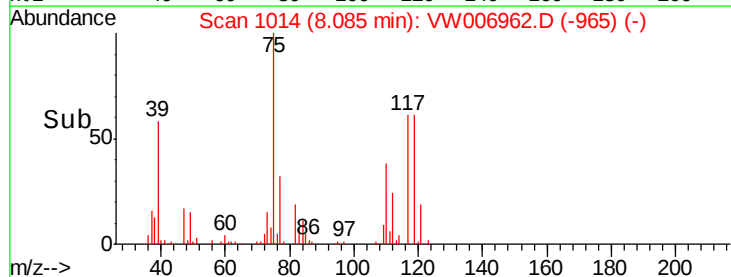
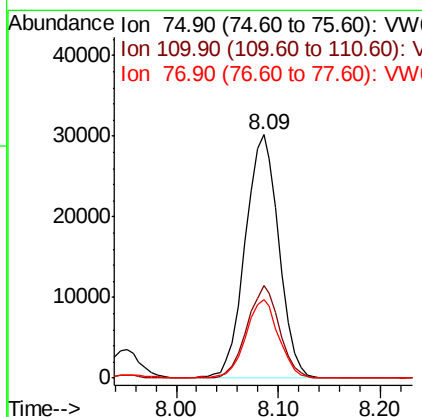
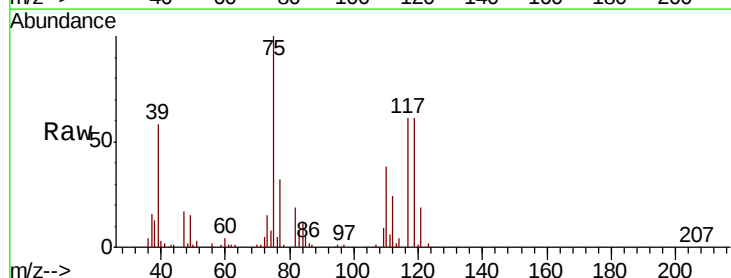
Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MSD

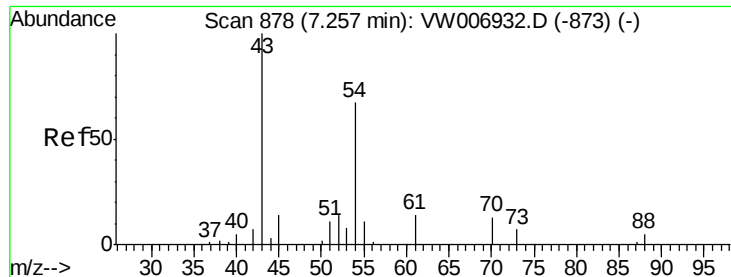
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.7	122.5
192	18.3	13.9	20.9



#36
 1,1-Dichloropropene
 Concen: 47.894 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW006962.D
 Acq: 19 Nov 2018 23:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.1	54.1
77	31.5	25.4	38.0

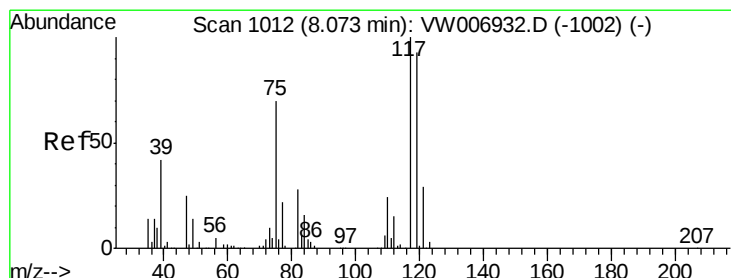
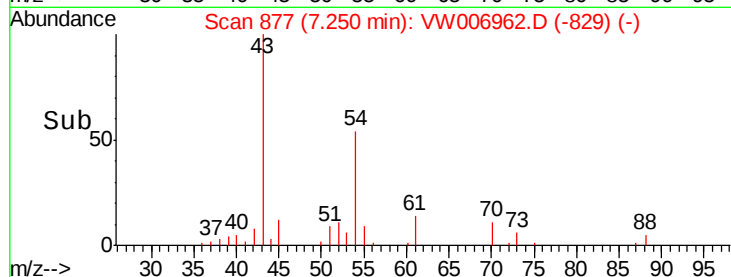
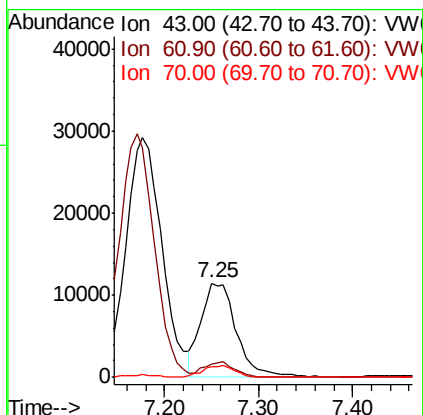
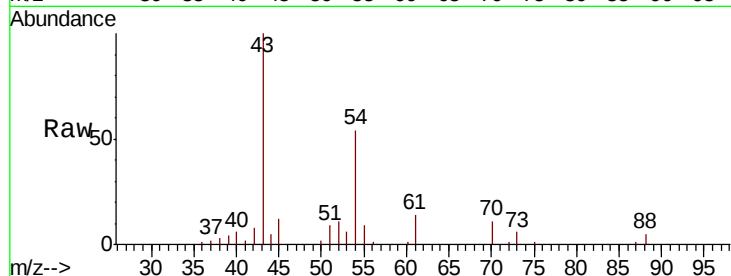




#37
Ethyl Acetate
Concen: 49.068 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

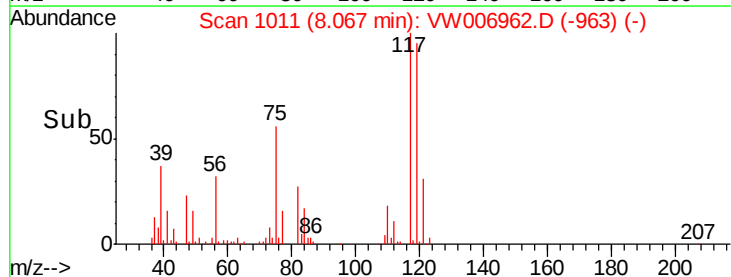
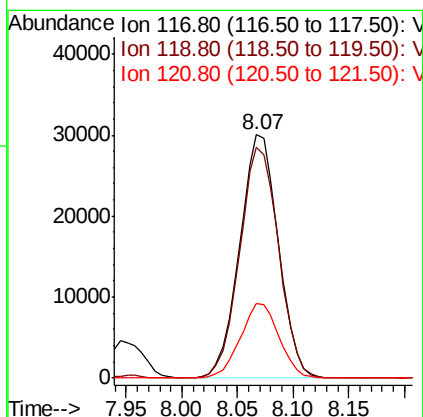
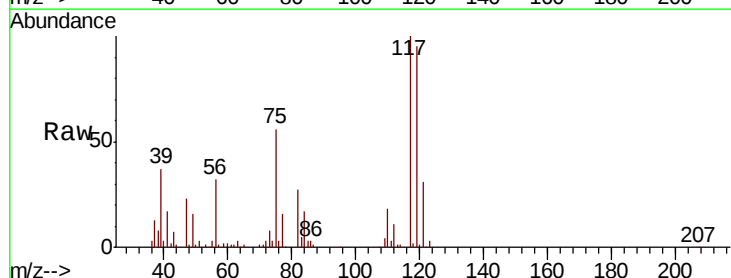
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MSD

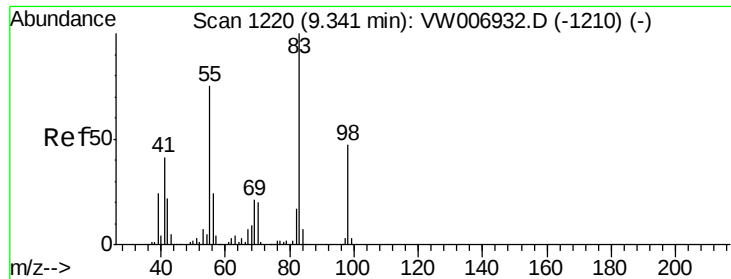
Tot Ion: 43 Resp: 30155
Ion Ratio Lower Upper
43 100
61 14.8 11.0 16.6
70 11.5 8.8 13.2



#38
Carbon Tetrachloride
Concen: 51.030 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

Tgt Ion: 117 Resp: 72487
Ion Ratio Lower Upper
117 100
119 95.0 74.2 111.4
121 30.7 23.5 35.3

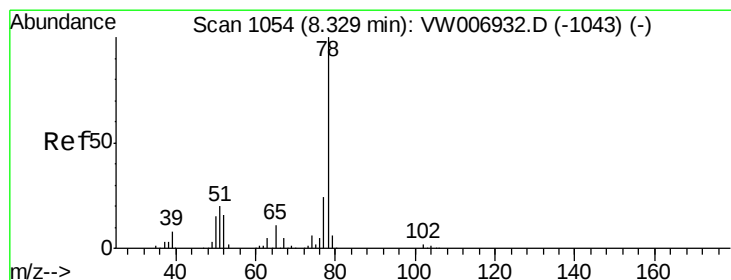
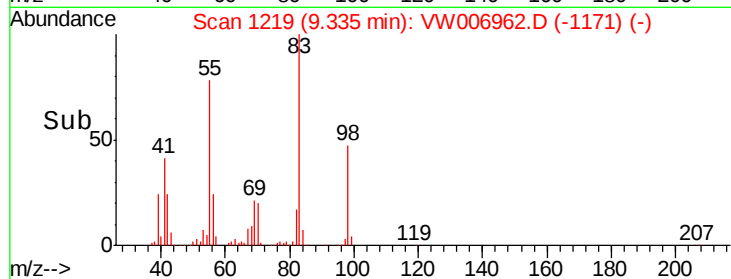
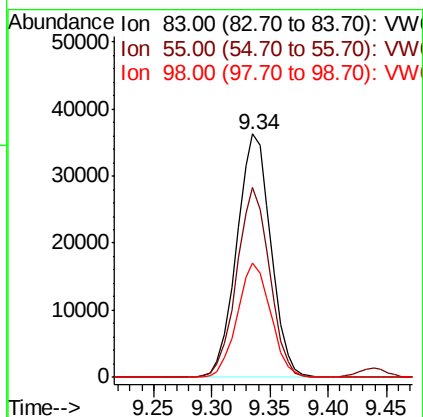
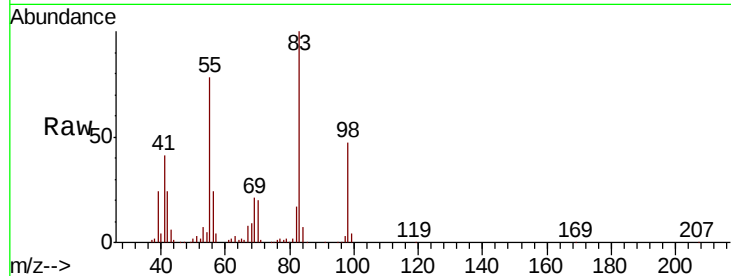




#39
Methvlcvclohexane
Concen: 41.244 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

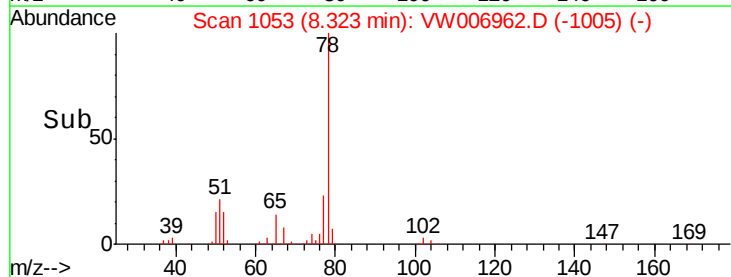
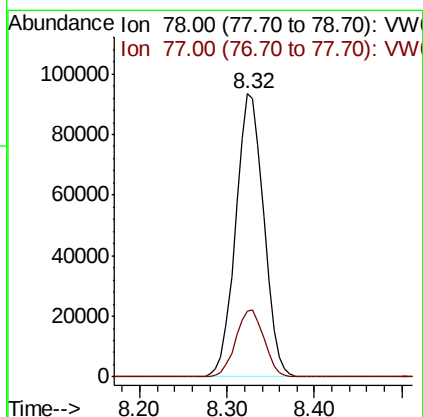
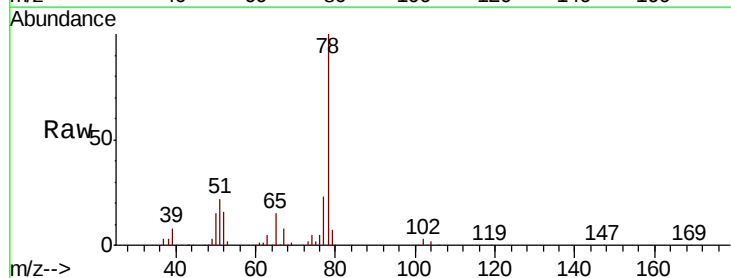
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MSD

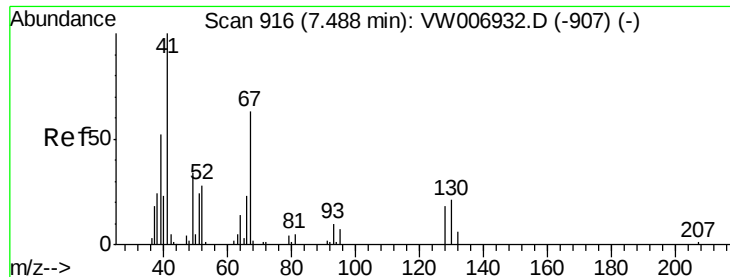
Tot Ion: 83 Resp: 73983
Ion Ratio Lower Upper
83 100
55 78.0 60.2 90.4
98 46.7 37.3 55.9



#40
Benzene
Concen: 51.028 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

Tgt Ion: 78 Resp: 208453
Ion Ratio Lower Upper
78 100
77 23.3 19.3 28.9

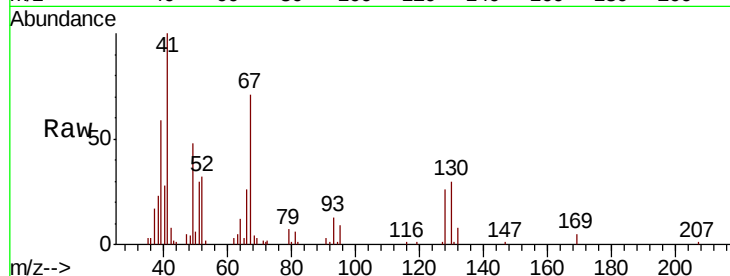




#41
Methacrylonitrile
Concen: 57.291 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MSD

Tot Ion:	41	Resp:	21565
Ion	Ratio	Lower	Upper
41	100		
39	59.2	41.8	62.6
67	71.5	54.7	82.1
52	30.5	23.8	35.8



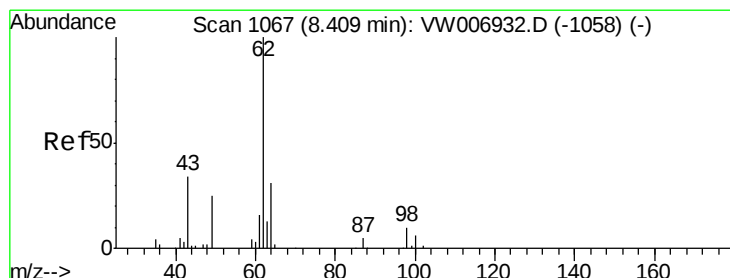
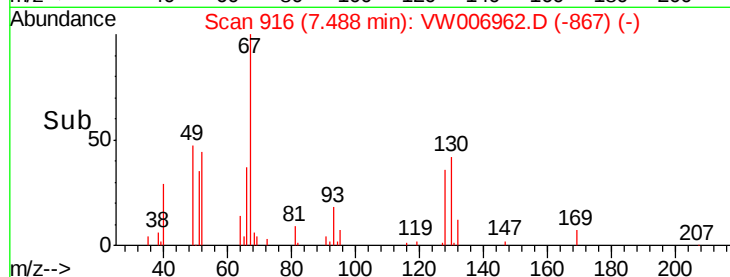
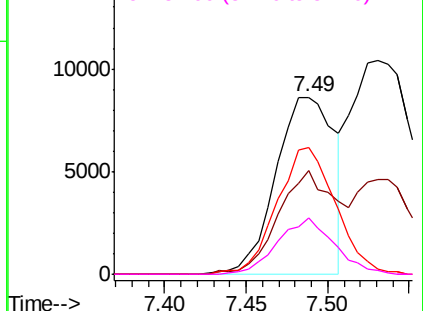
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

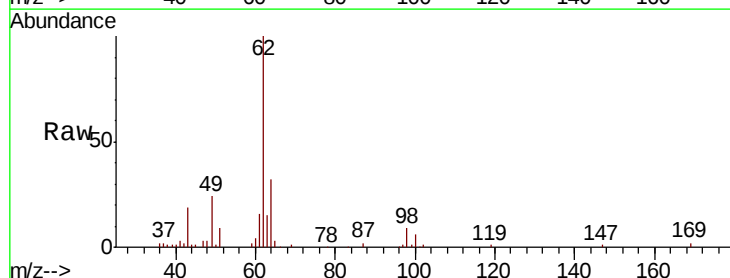
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 52.025 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

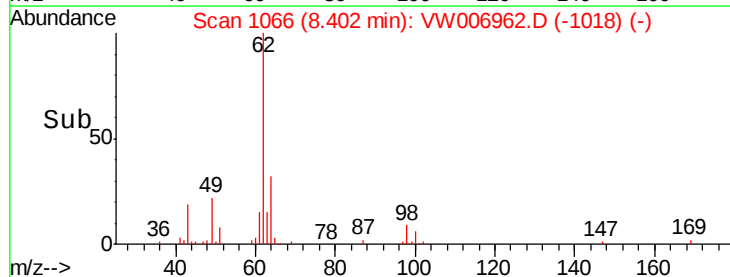
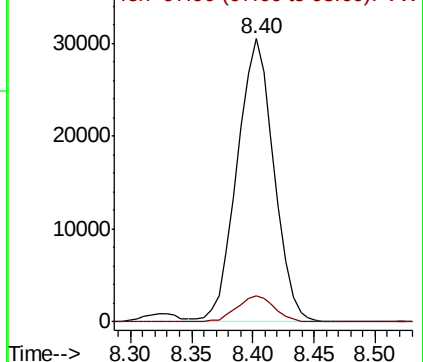
Tgt Ion:	62	Resp:	63621
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2

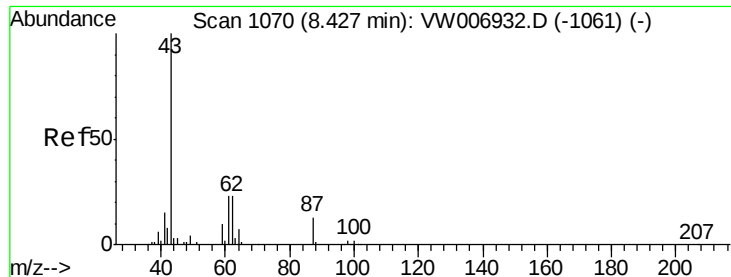


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 53.673 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MSD

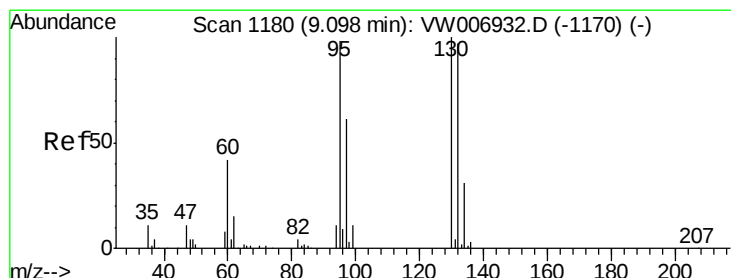
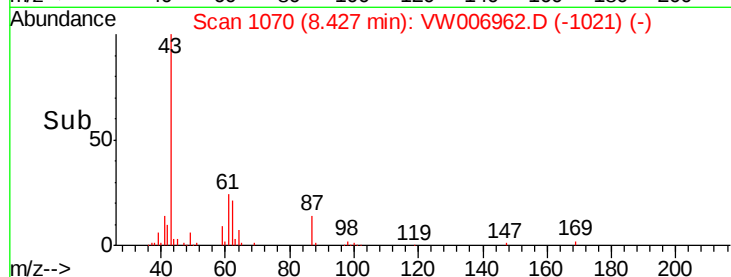
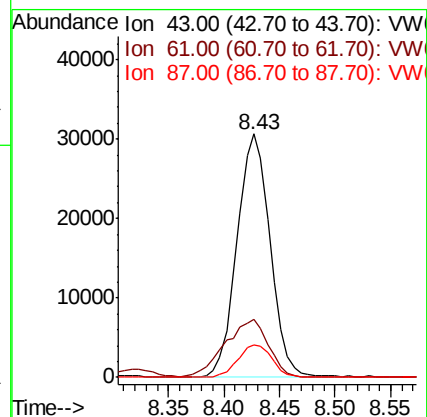
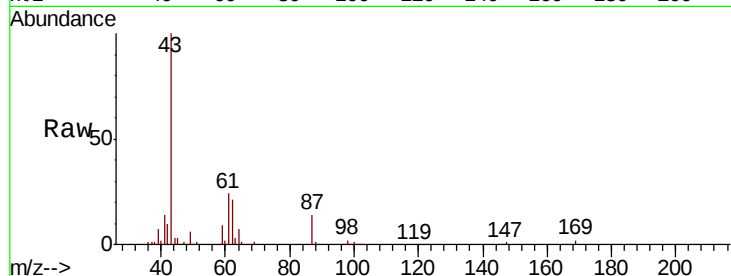
Tot Ion: 43 Resp: 63291

Ion Ratio Lower Upper

43 100

61 31.2 24.6 37.0

87 13.8 11.0 16.6



#44

Trichloroethene

Concen: 48.521 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006962.D

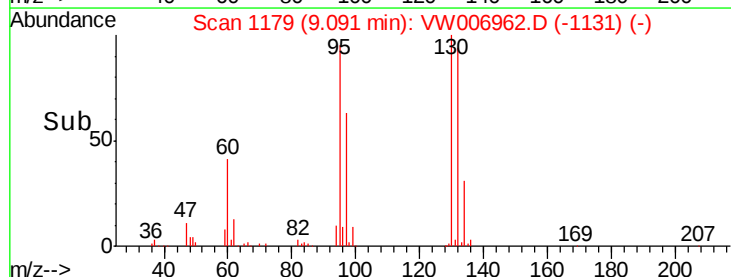
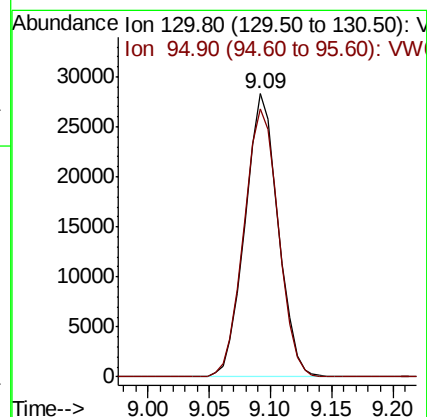
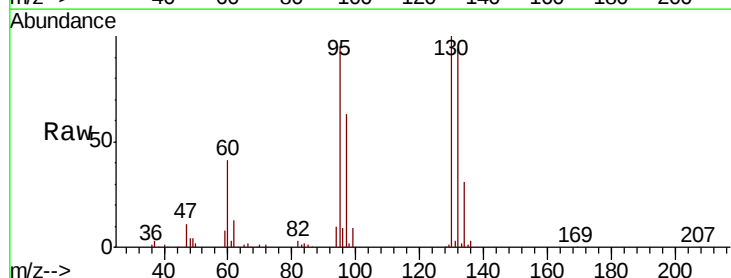
Acq: 19 Nov 2018 23:57

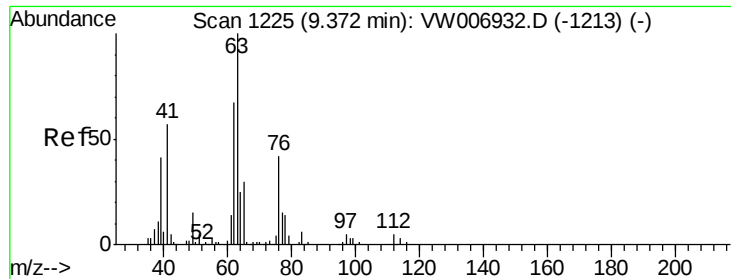
Tgt Ion: 130 Resp: 53294

Ion Ratio Lower Upper

130 100

95 94.7 0.0 196.4

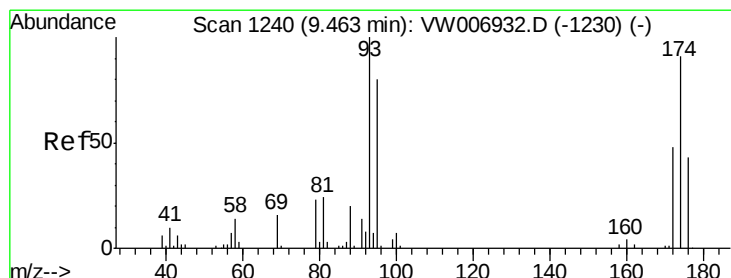
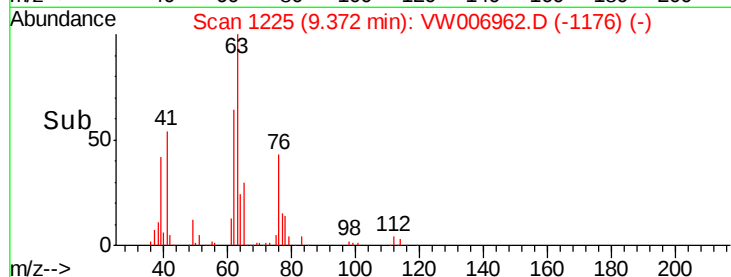
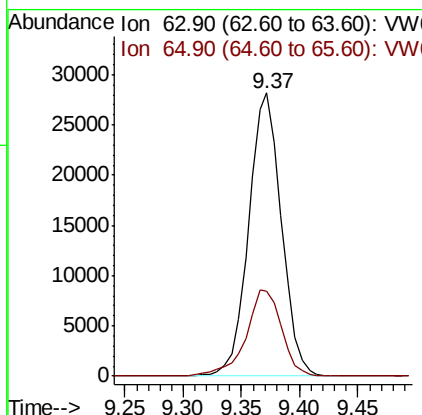
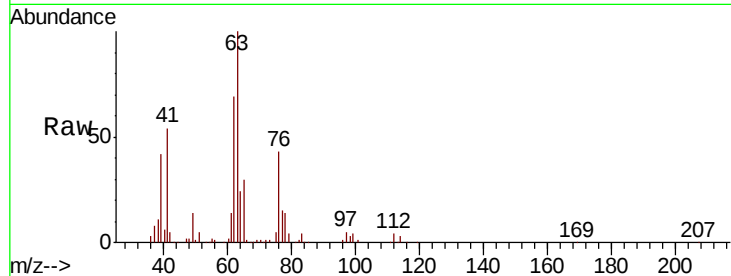




#45
 1,2-Dichloropropane
 Concen: 53.439 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006962.D
 Acq: 19 Nov 2018 23:57

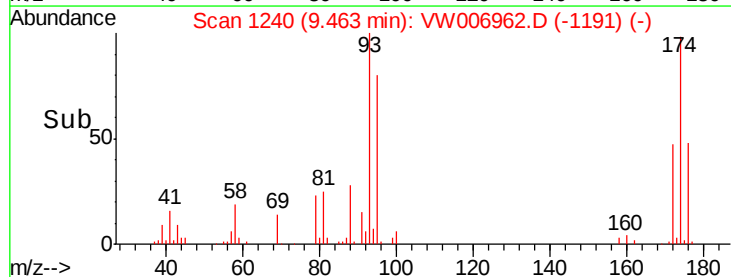
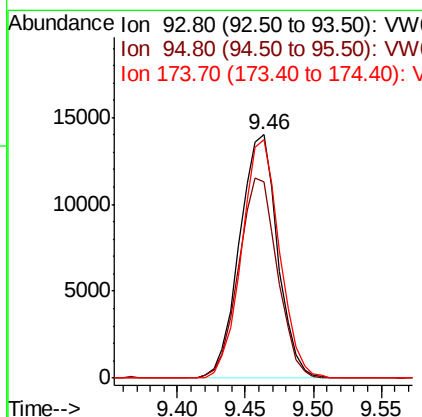
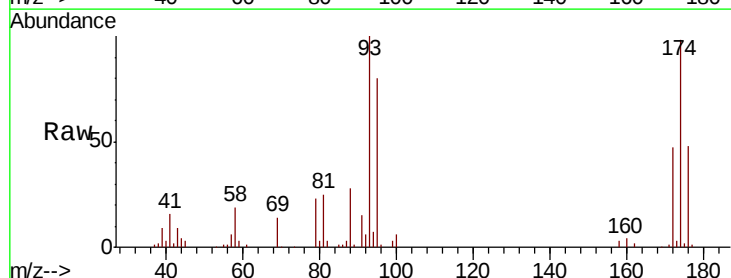
Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MSD

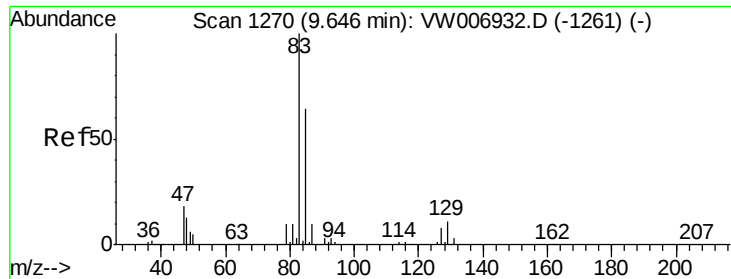
Tot Ion: 63 Resp: 55142
 Ion Ratio Lower Upper
 63 100
 65 30.0 23.9 35.9



#46
 Dibromomethane
 Concen: 52.585 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW006962.D
 Acq: 19 Nov 2018 23:57

Tgt Ion: 93 Resp: 27479
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.7 98.5
 174 97.1 75.0 112.4

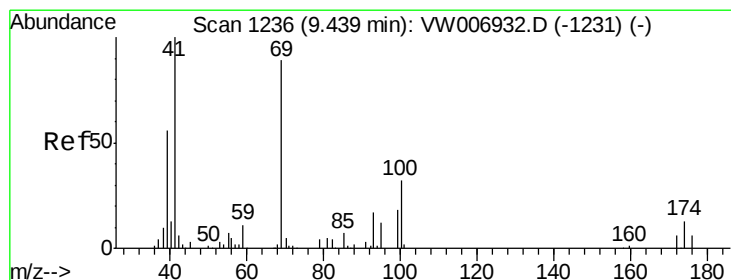
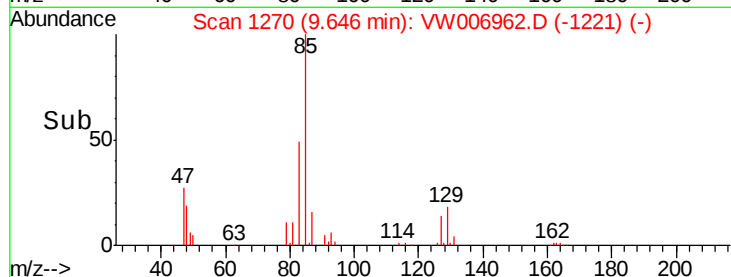
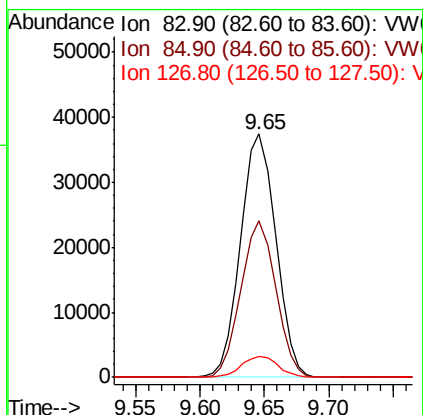
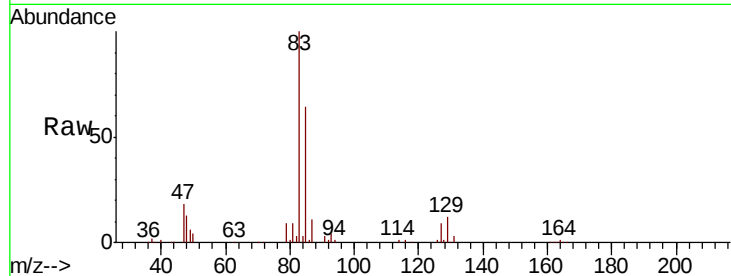




#47
 Bromodichloromethane
 Concen: 51.847 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW006962.D
 Acq: 19 Nov 2018 23:57

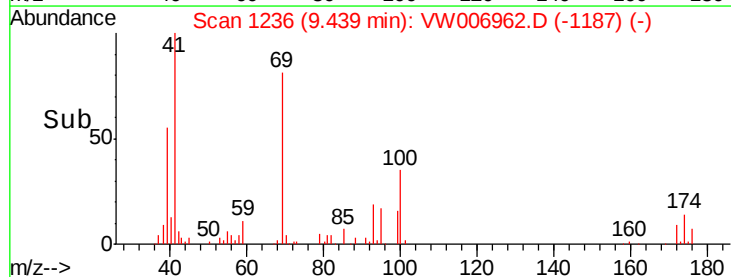
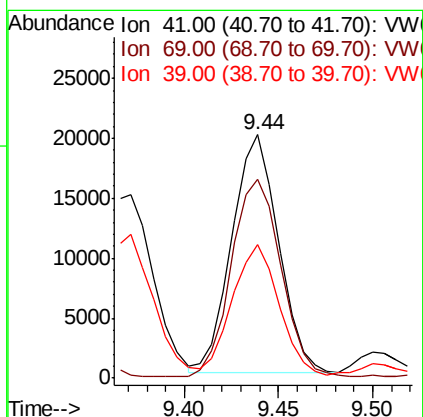
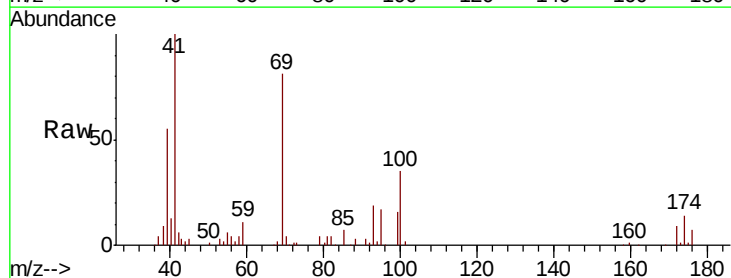
Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MSD

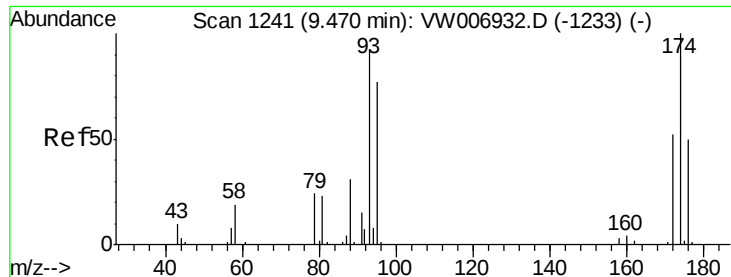
Tot Ion: 83 Resp: 71342
 Ion Ratio Lower Upper
 83 100
 85 64.2 50.8 76.2
 127 8.7 6.6 10.0



#48
 Methyl methacrylate
 Concen: 59.745 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VW006962.D
 Acq: 19 Nov 2018 23:57

Tgt Ion: 41 Resp: 33996
 Ion Ratio Lower Upper
 41 100
 69 89.0 73.4 110.0
 39 57.6 46.1 69.1

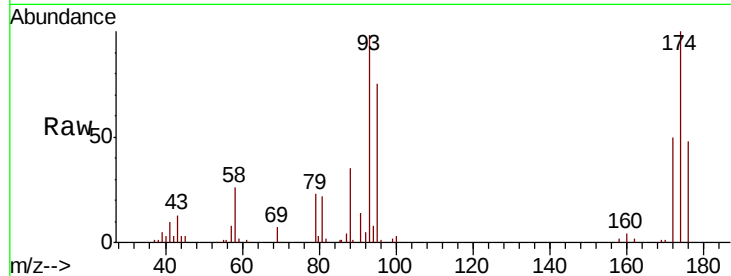




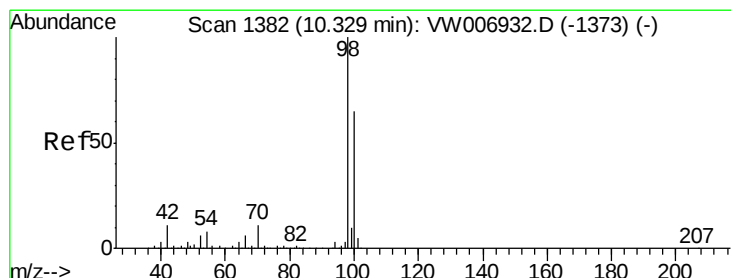
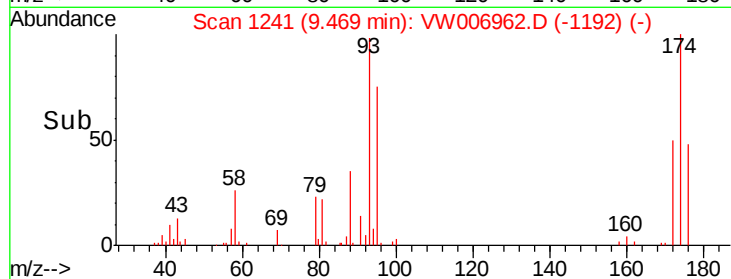
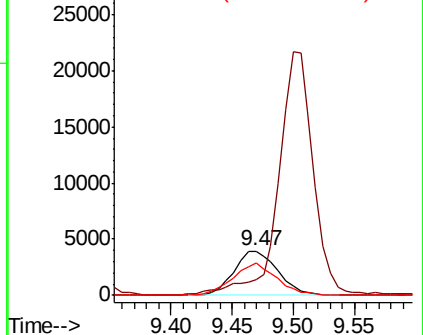
#49
1,4-Dioxane
Concen: 1243.889 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MSD

Tot Ion: 88 Resp: 9850
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 73.7 57.4 86.2

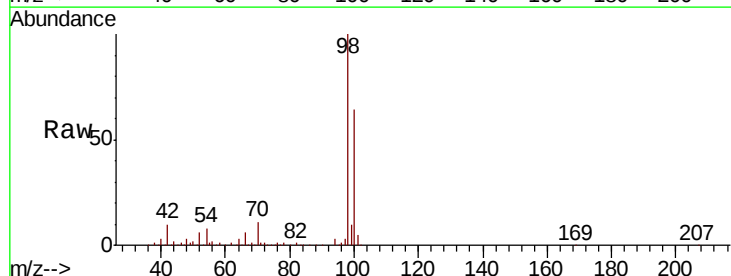


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

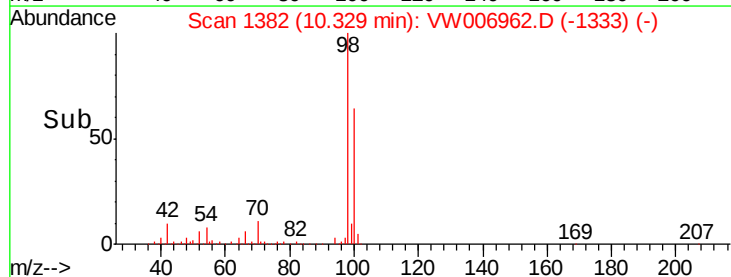
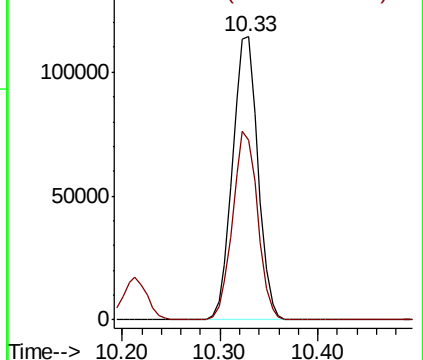


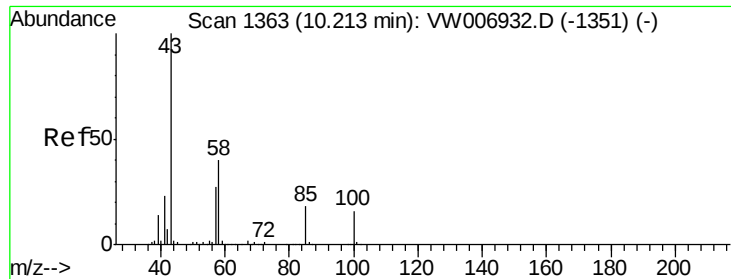
#50
Toluene-d8
Concen: 53.993 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

Tgt Ion: 98 Resp: 206130
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5



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: 301.622 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

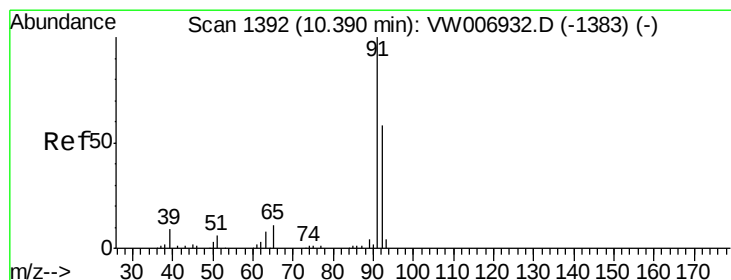
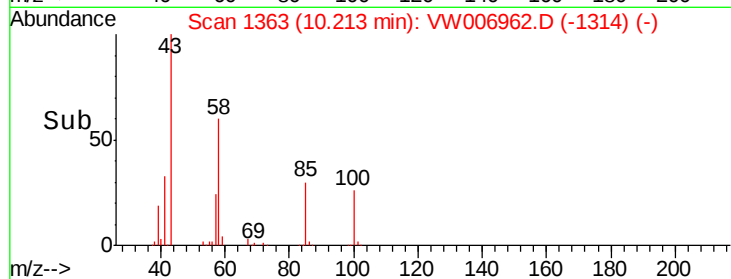
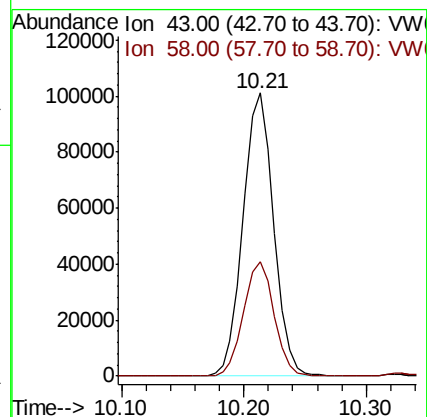
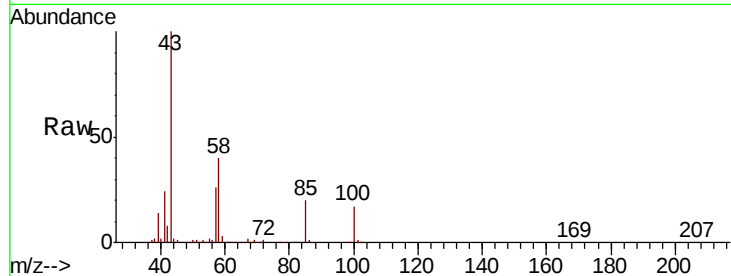
MMTW-03(8-10)MSD

Tot Ion: 43 Resp: 175296

Ion Ratio Lower Upper

43 100

58 40.4 31.0 46.4



#52

Toluene

Concen: 50.168 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006962.D

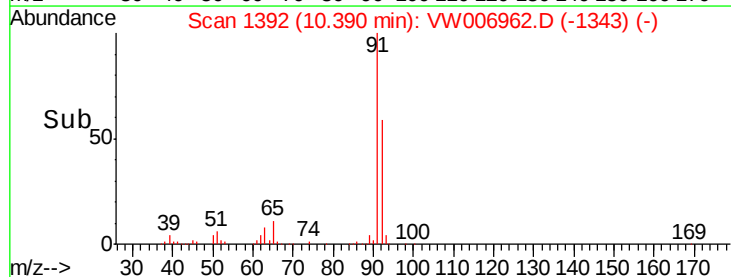
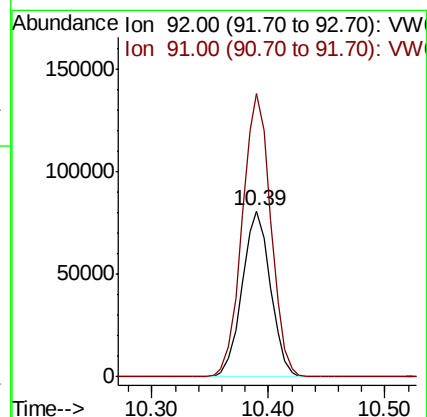
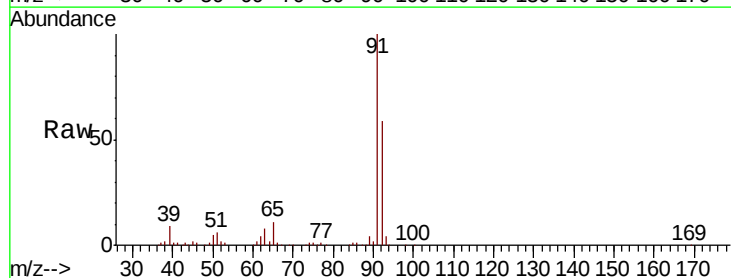
Acq: 19 Nov 2018 23:57

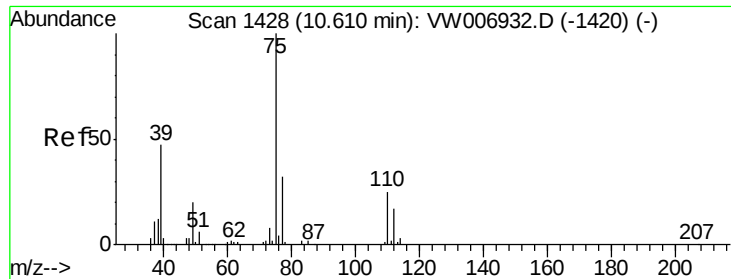
Tgt Ion: 92 Resp: 137106

Ion Ratio Lower Upper

92 100

91 172.4 137.3 205.9





#53

t-1,3-Dichloropropene

Concen: 46.590 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

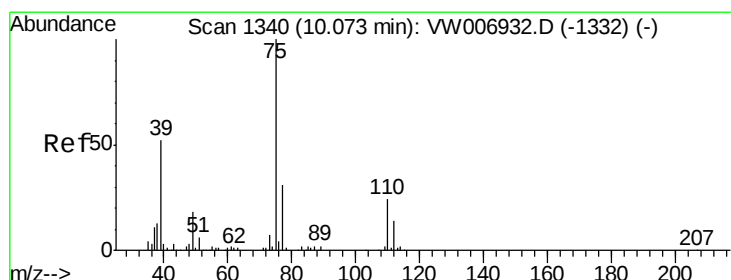
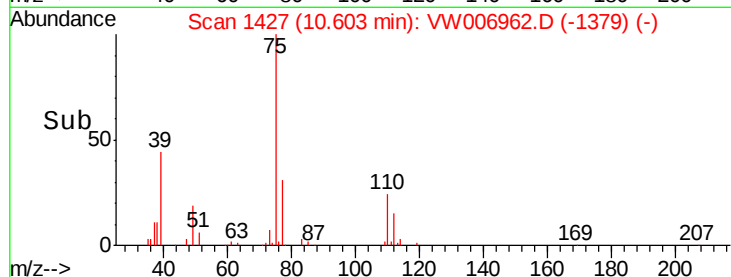
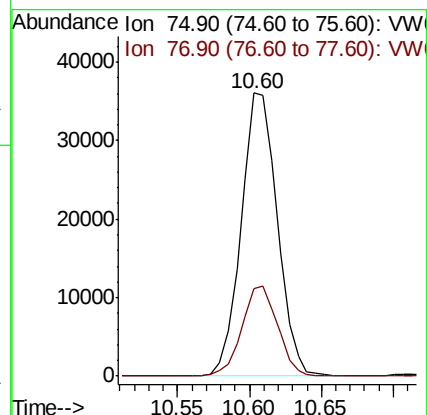
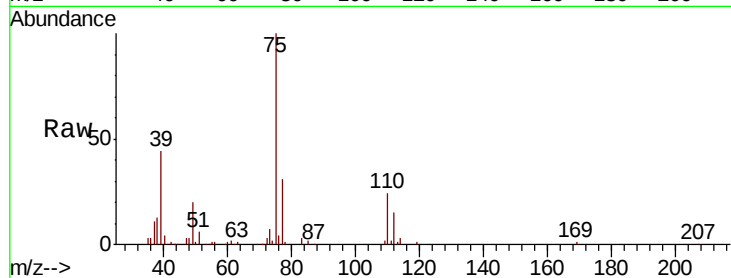
MMTW-03(8-10)MSD

Tot Ion: 75 Resp: 62651

Ion Ratio Lower Upper

75 100

77 30.7 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 48.316 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

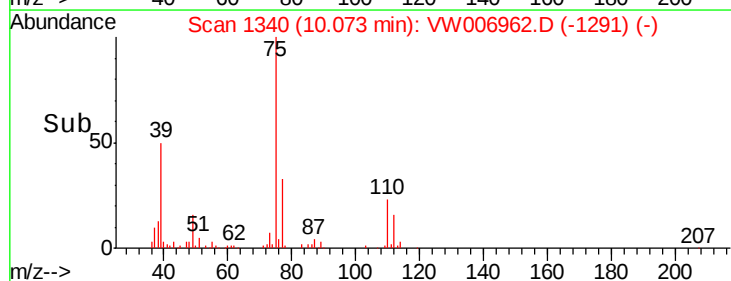
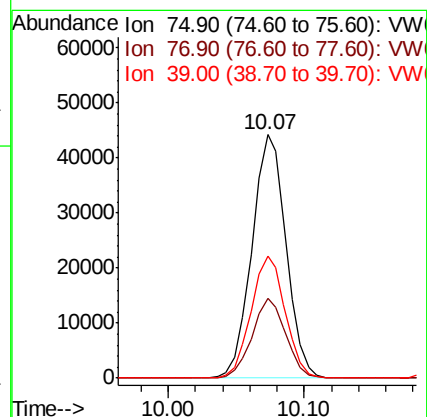
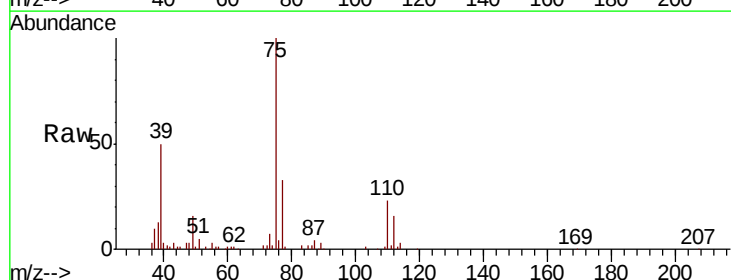
Tgt Ion: 75 Resp: 77753

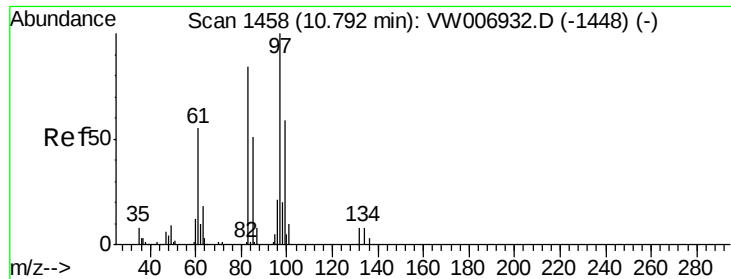
Ion Ratio Lower Upper

75 100

77 33.0 24.6 37.0

39 50.0 41.4 62.2

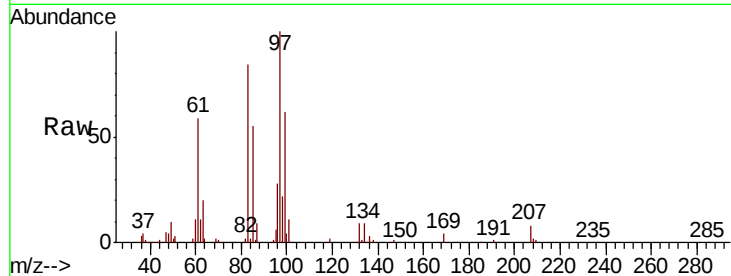




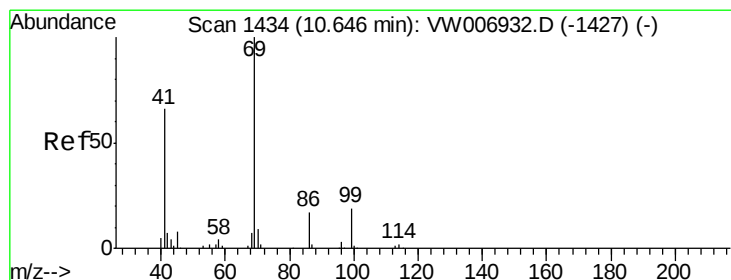
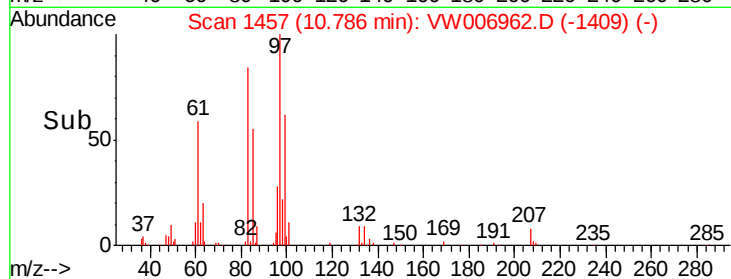
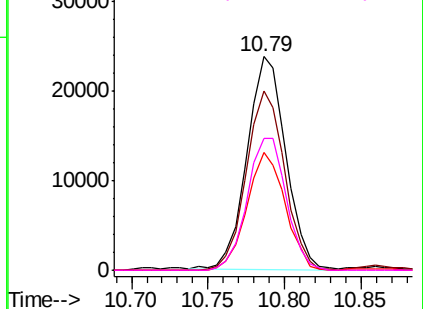
#55
 1,1,2-Trichloroethane
 Concen: 54.007 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW006962.D
 Acq: 19 Nov 2018 23:57

Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MSD

Tot Ion: 97 Resp: 41613
 Ion Ratio Lower Upper
 97 100
 83 84.2 67.5 101.3
 85 55.5 41.0 61.6
 99 62.0 47.4 71.2

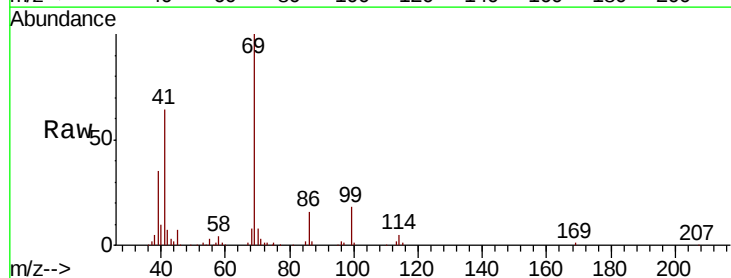


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

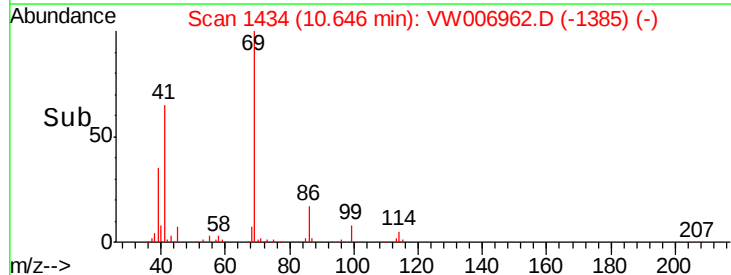
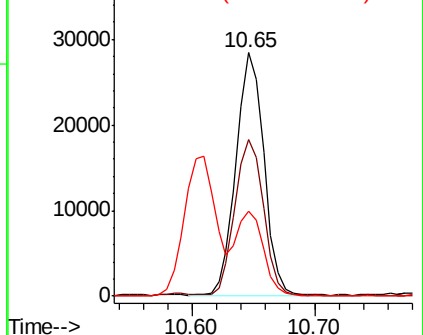


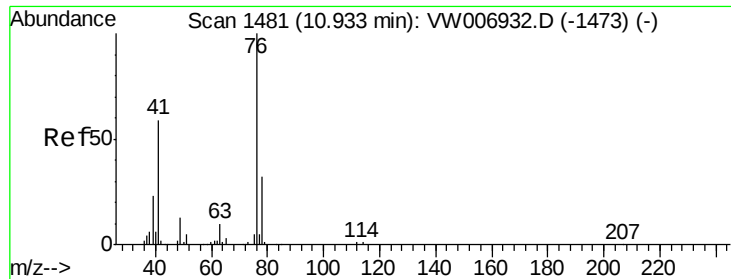
#56
 Ethyl methacrylate
 Concen: 46.647 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW006962.D
 Acq: 19 Nov 2018 23:57

Tgt Ion: 69 Resp: 44686
 Ion Ratio Lower Upper
 69 100
 41 66.3 53.8 80.6
 39 34.6 29.0 43.6



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW

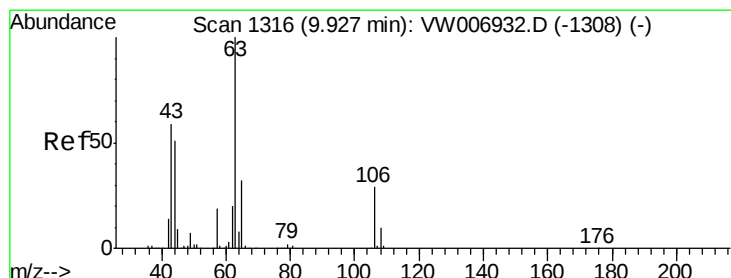
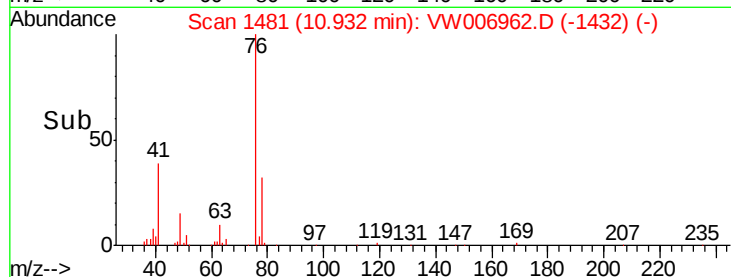
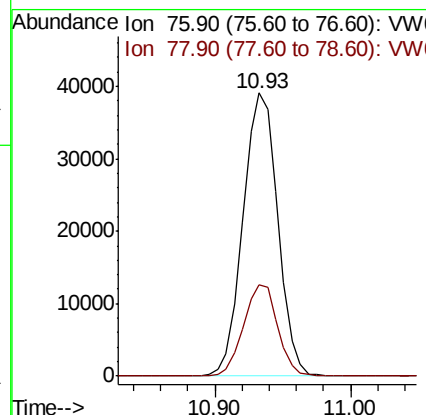
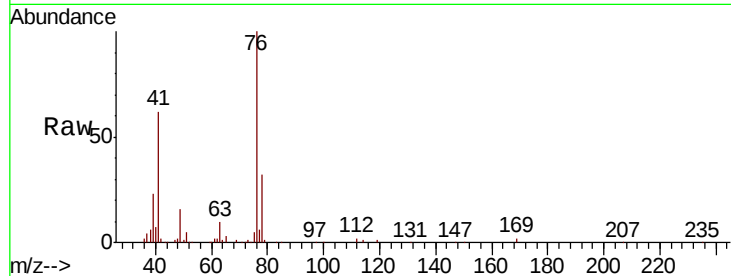




#57
 1,3-Dichloropropane
 Concen: 53.157 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW006962.D
 Acq: 19 Nov 2018 23:57

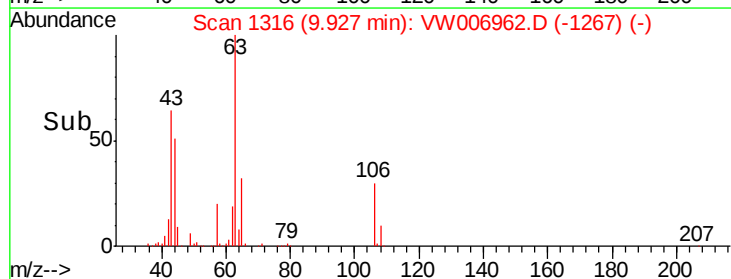
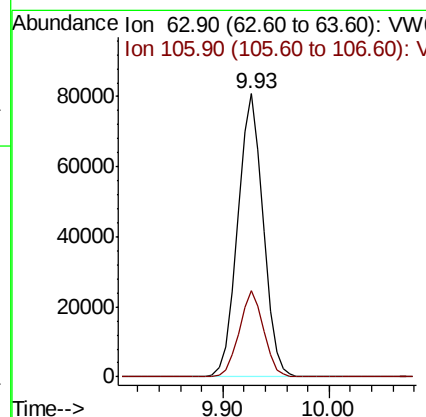
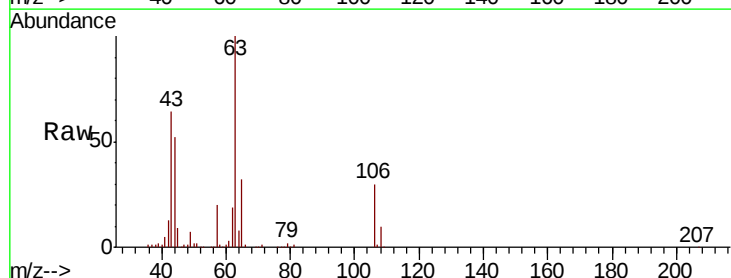
Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MSD

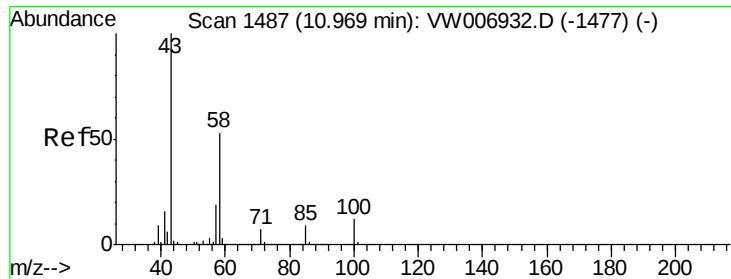
Tot Ion: 76 Resp: 69685
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 288.043 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006962.D
 Acq: 19 Nov 2018 23:57

Tgt Ion: 63 Resp: 135655
 Ion Ratio Lower Upper
 63 100
 106 29.2 22.6 33.8

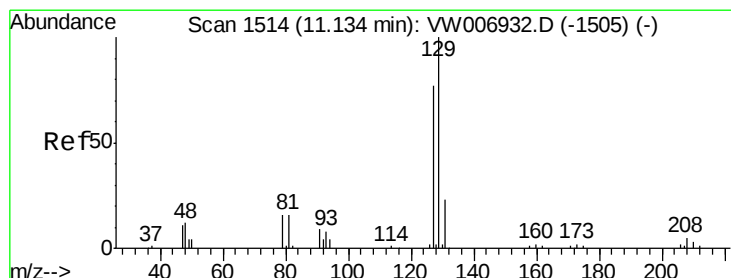
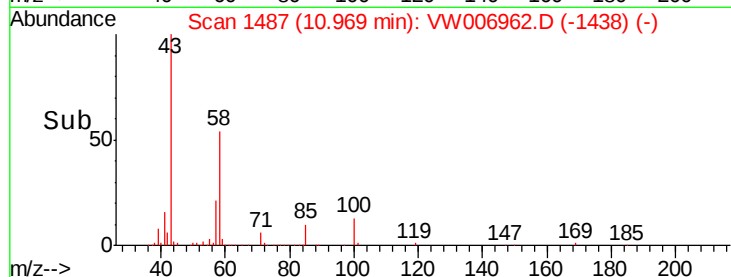
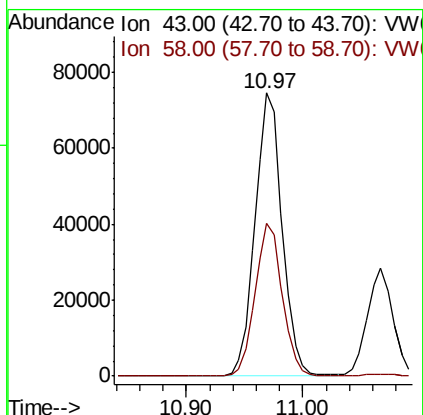
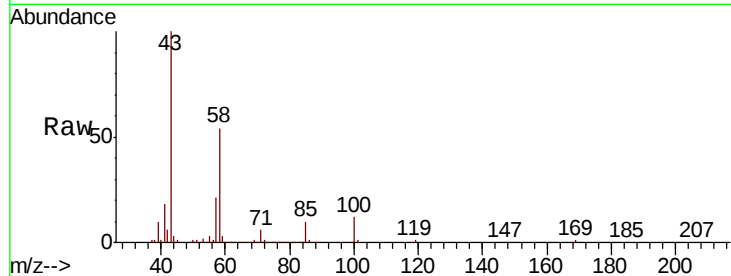




#59
2-Hexanone
Concen: 310.262 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

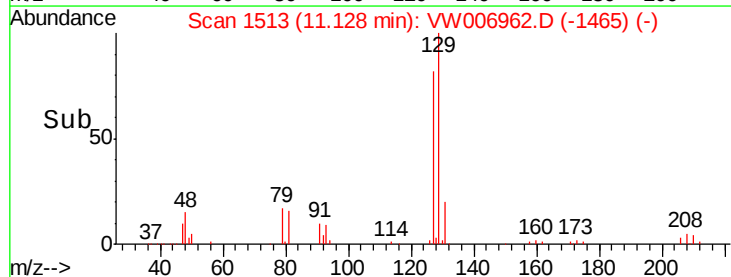
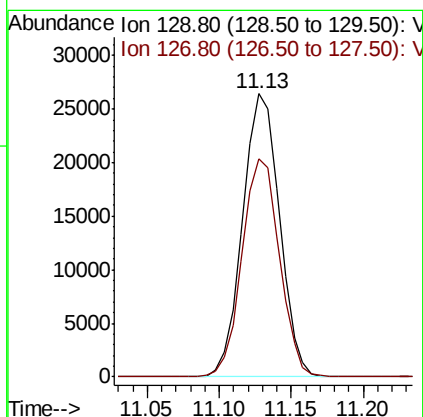
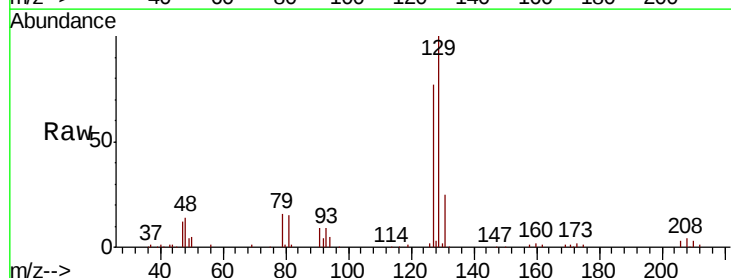
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MSD

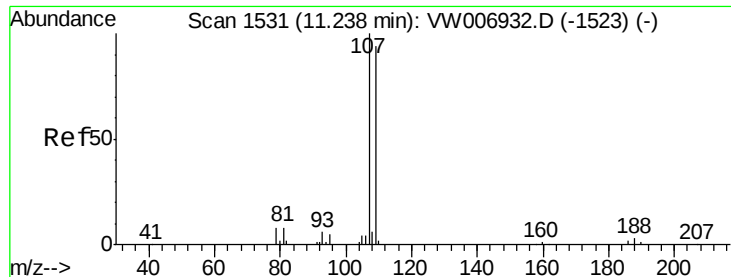
Tot Ion: 43 Resp: 120681
Ion Ratio Lower Upper
43 100
58 54.0 26.8 80.4



#60
Dibromochloromethane
Concen: 53.324 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

Tgt Ion: 129 Resp: 46853
Ion Ratio Lower Upper
129 100
127 77.9 38.1 114.3

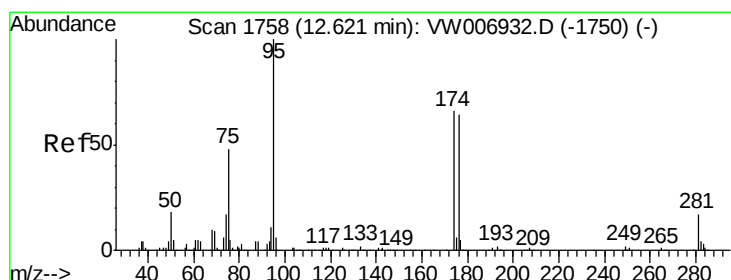
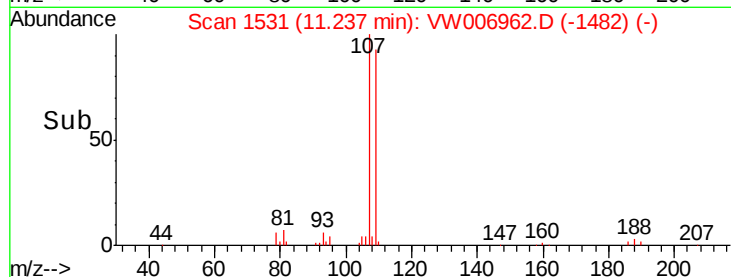
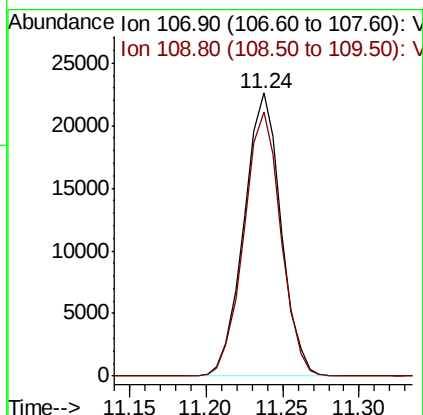
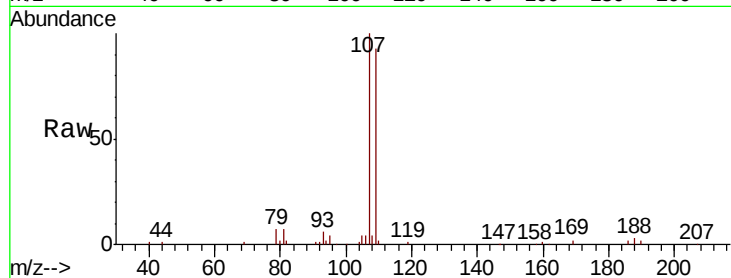




#61
1,2-Dibromoethane
Concen: 53.021 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

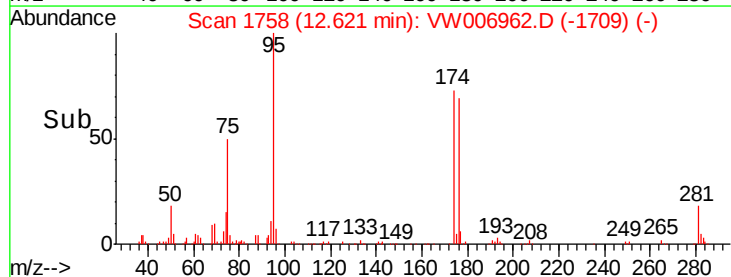
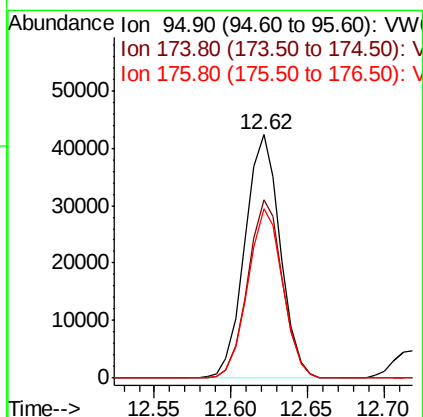
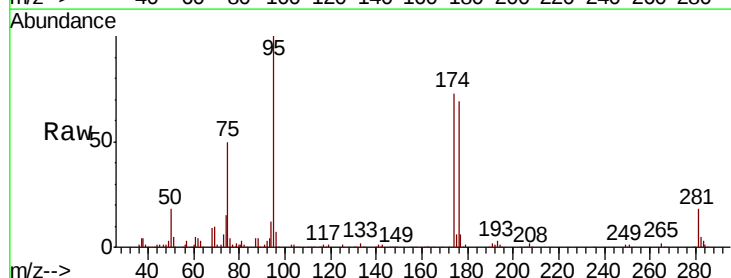
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MSD

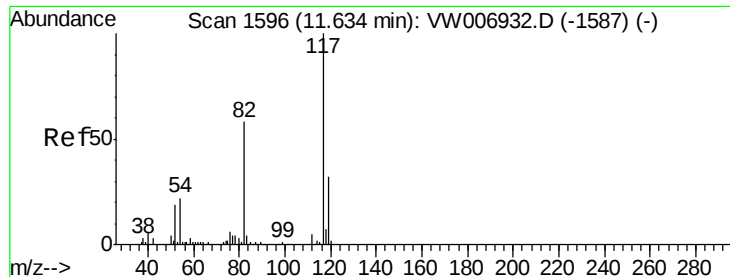
Tot Ion:107 Resp: 37969
Ion Ratio Lower Upper
107 100
109 93.9 75.5 113.3



#62
4-Bromofluorobenzene
Concen: 45.473 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

Tgt Ion: 95 Resp: 67693
Ion Ratio Lower Upper
95 100
174 72.5 0.0 138.4
176 69.2 0.0 133.4

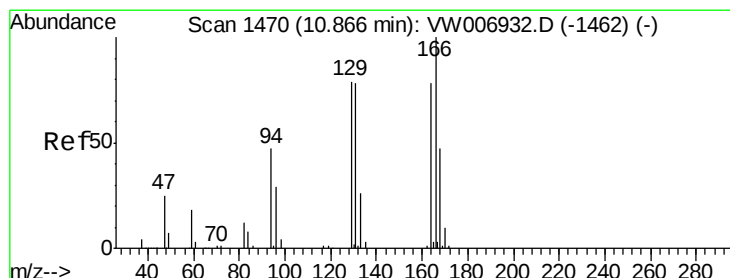
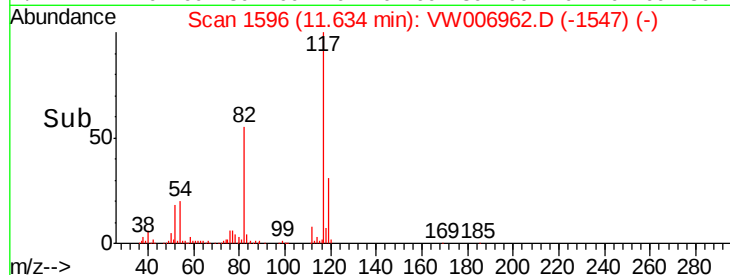
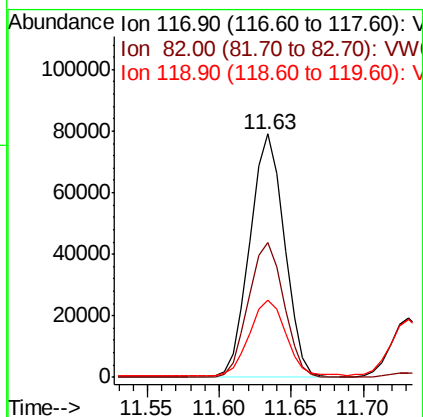
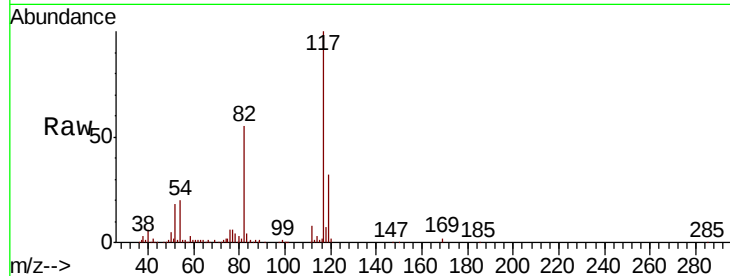




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

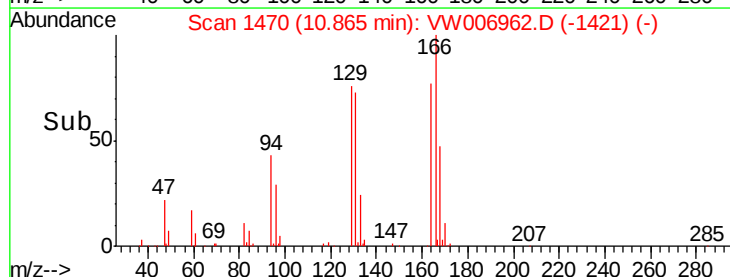
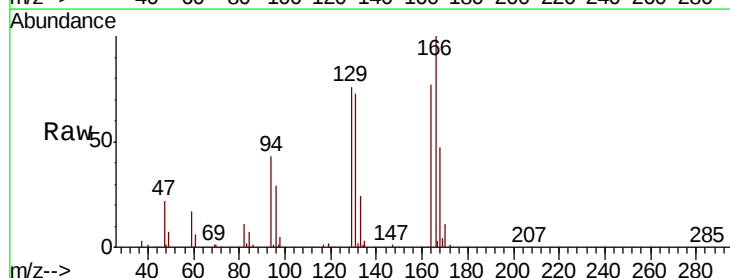
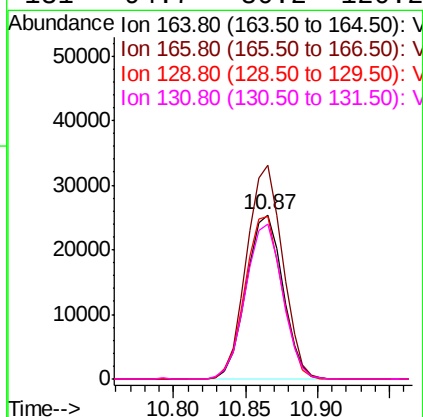
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MSD

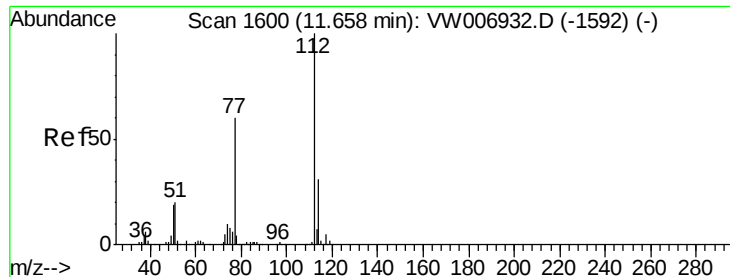
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	46.2	69.2
119	31.0	25.5	38.3



#64
Tetrachloroethene
Concen: 52.923 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	102.6	154.0
129	99.3	81.0	121.4
131	94.7	80.2	120.2

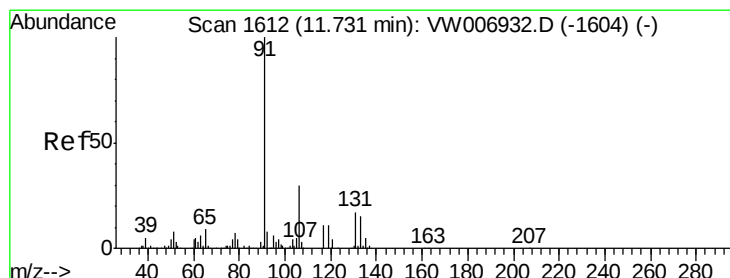
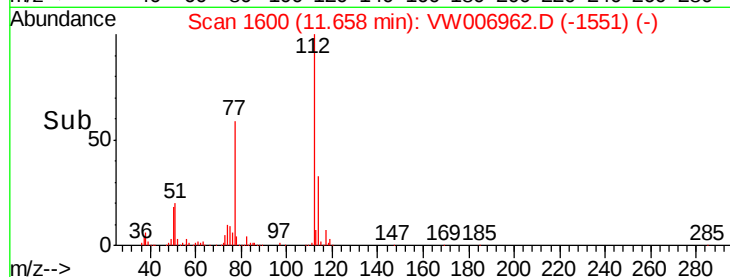
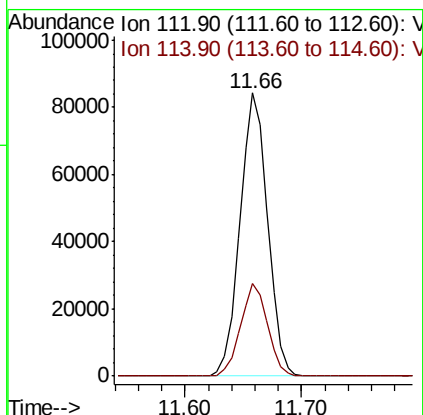
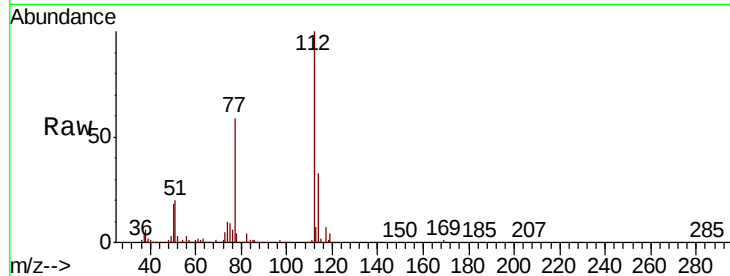




#65
Chlorobenzene
Concen: 50.374 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

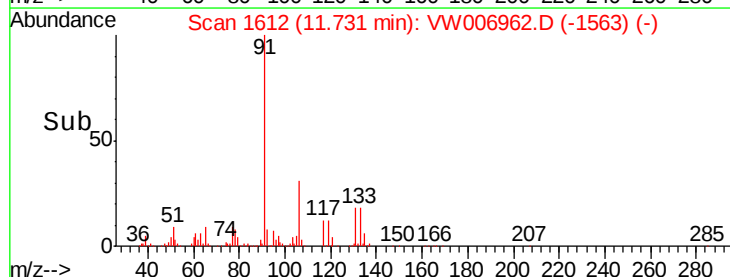
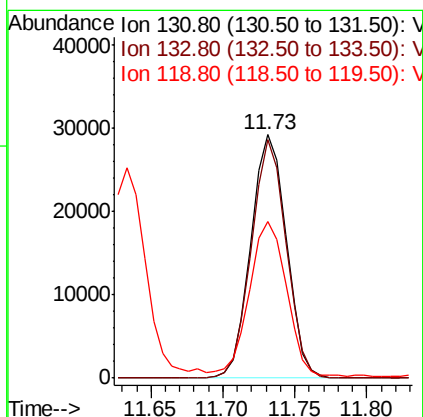
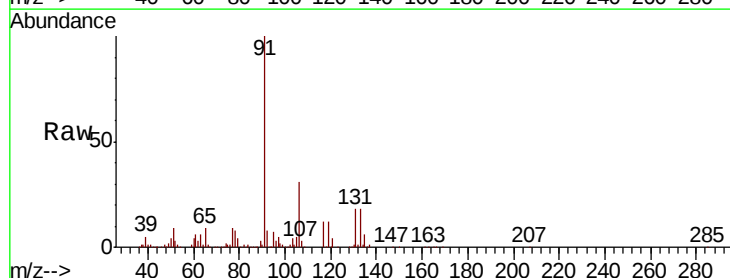
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MSD

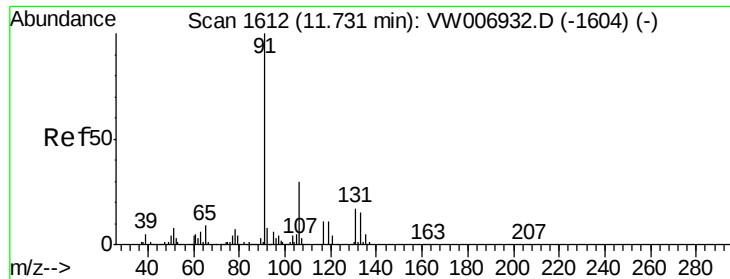
Tot Ion:112 Resp: 139471
Ion Ratio Lower Upper
112 100
114 32.8 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 56.297 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

Tgt Ion:131 Resp: 49673
Ion Ratio Lower Upper
131 100
133 96.1 47.2 141.6
119 66.3 32.5 97.4





#67

Ethyl Benzene

Concen: 52.181 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

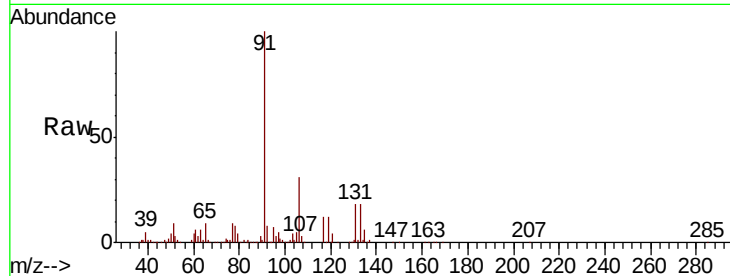
MMTW-03(8-10)MSD

Tot Ion: 91 Resp: 260478

Ion Ratio Lower Upper

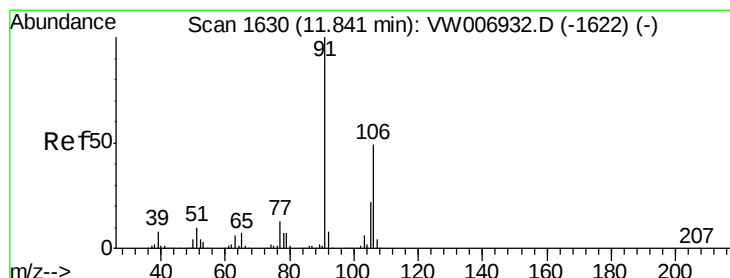
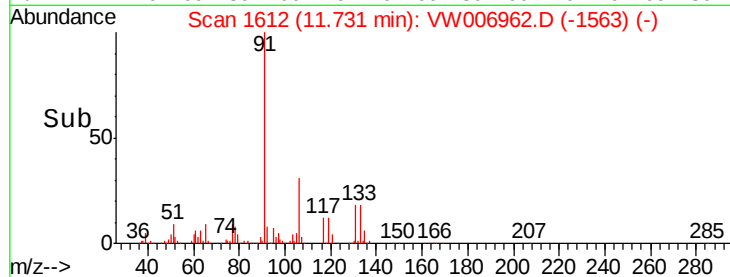
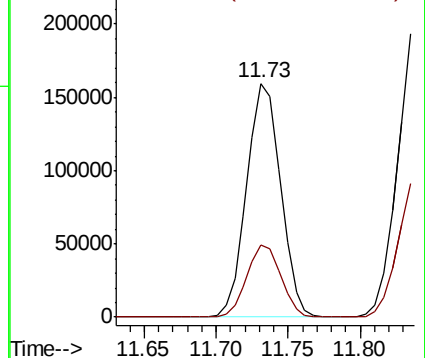
91 100

106 31.1 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 103.829 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW006962.D

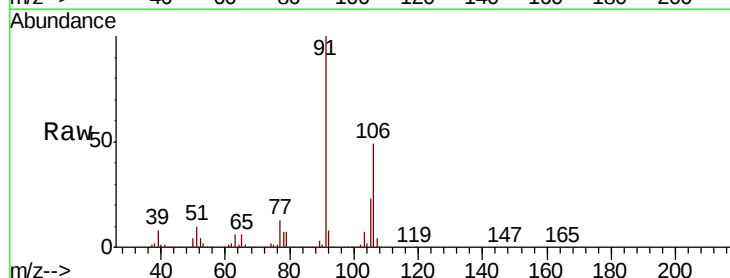
Acq: 19 Nov 2018 23:57

Tgt Ion: 106 Resp: 201831

Ion Ratio Lower Upper

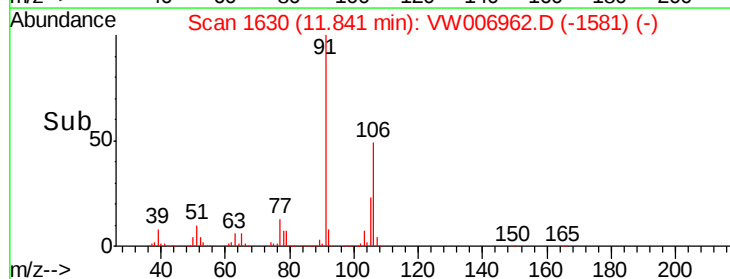
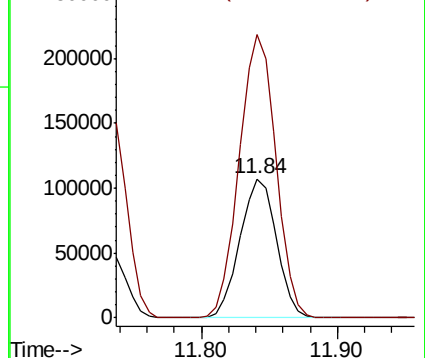
106 100

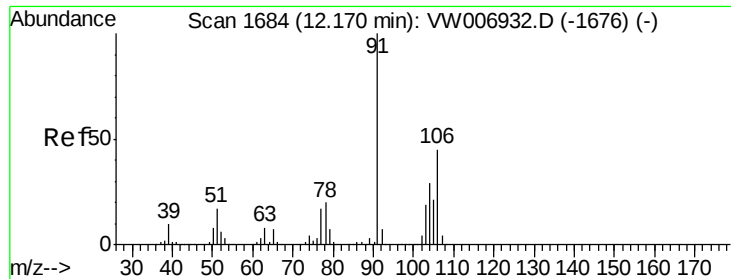
91 203.8 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

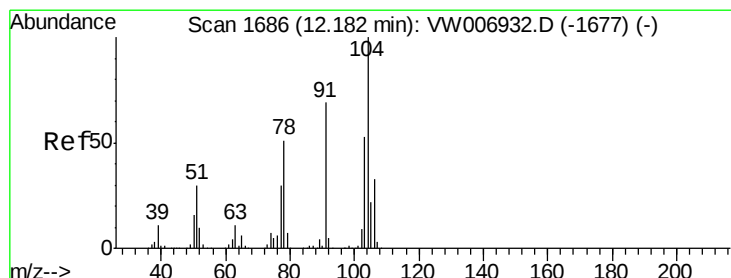
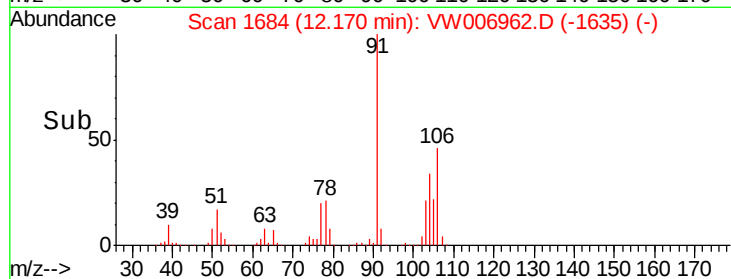
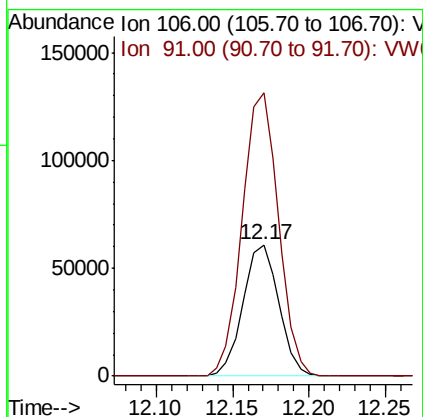
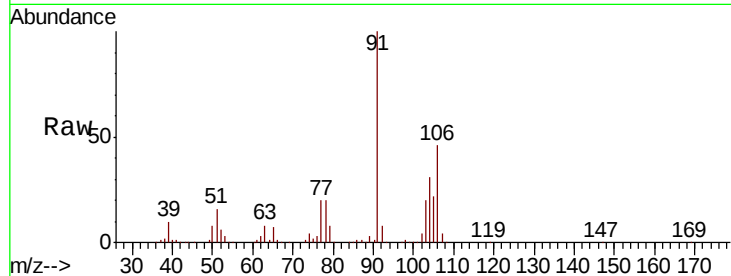




#69
o-Xylene
Concen: 53.895 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

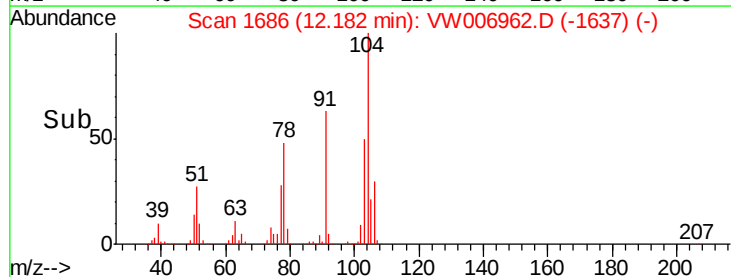
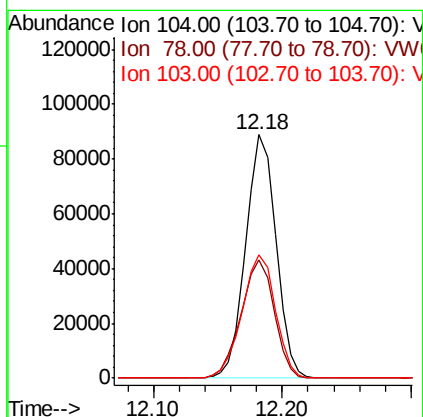
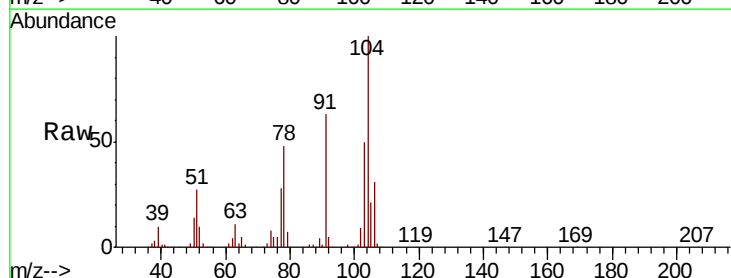
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MSD

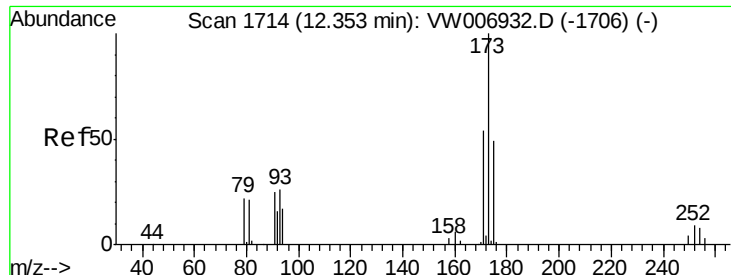
Tot Ion:106 Resp: 99433
Ion Ratio Lower Upper
106 100
91 217.5 109.2 327.6



#70
Styrene
Concen: 48.617 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

Tgt Ion:104 Resp: 144244
Ion Ratio Lower Upper
104 100
78 53.3 42.5 63.7
103 55.6 44.3 66.5





#71

Bromoform

Concen: 62.131 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MSD

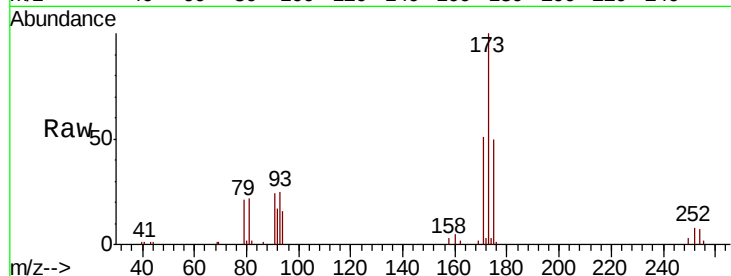
Tot Ion:173 Resp: 25557

Ion Ratio Lower Upper

173 100

175 48.2 24.0 72.0

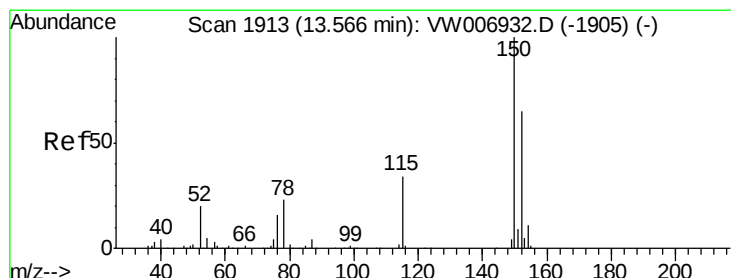
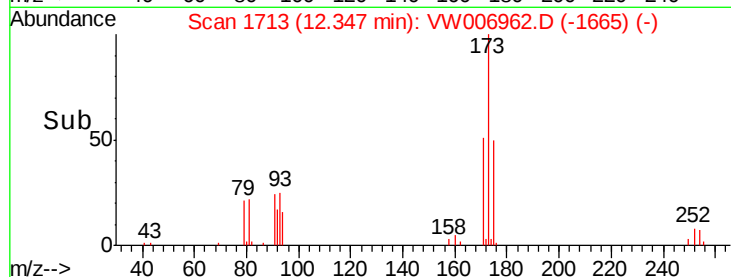
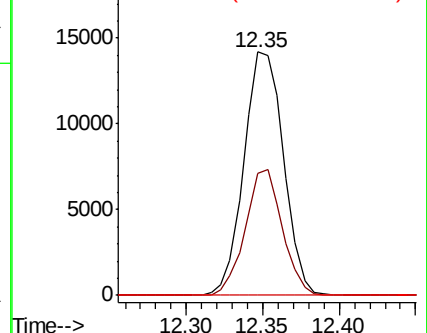
254 0.0 0.0 0.0



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: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

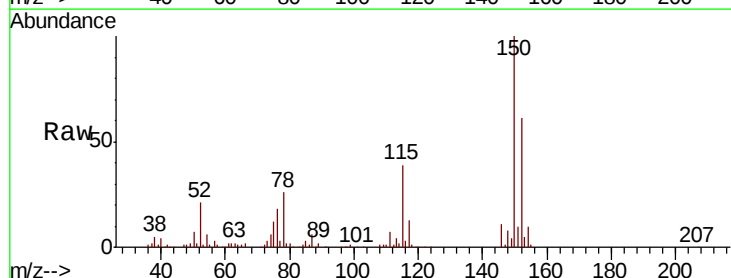
Tgt Ion:152 Resp: 51844

Ion Ratio Lower Upper

152 100

115 62.8 31.6 94.7

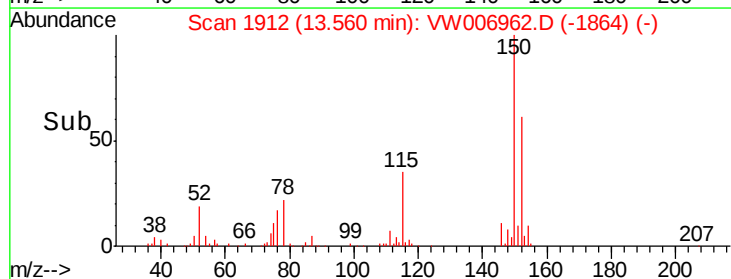
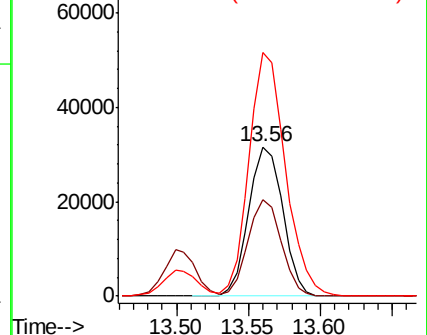
150 173.8 0.0 350.0

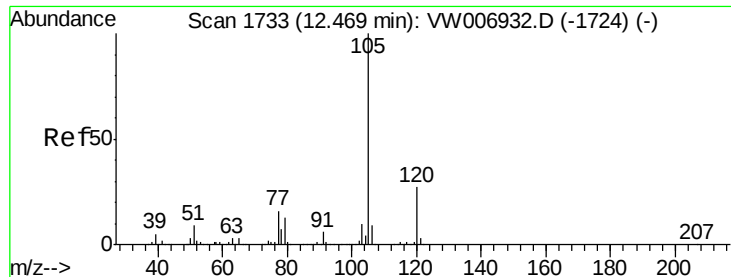


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 62.489 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

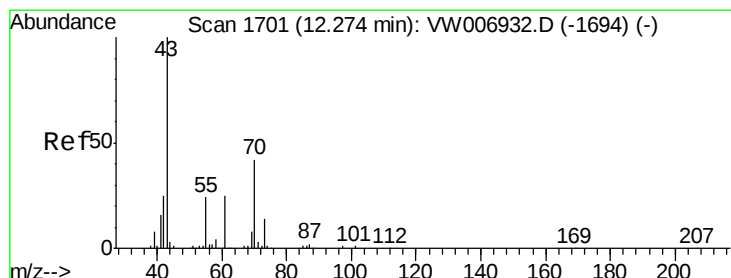
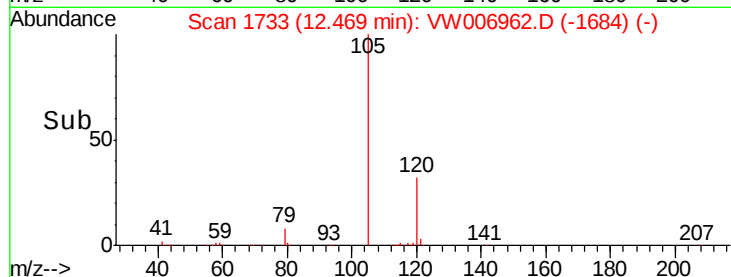
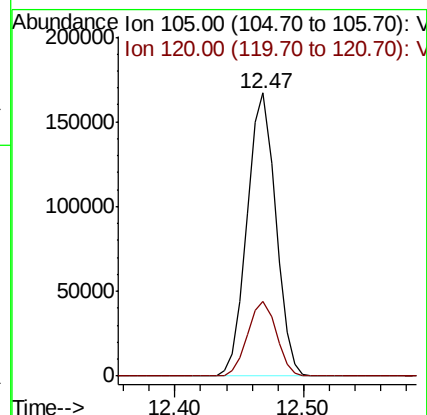
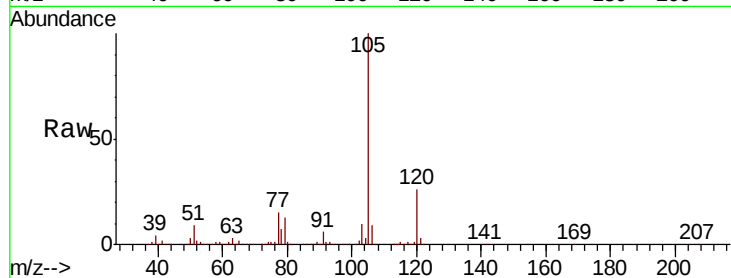
MMTW-03(8-10)MSD

Tot Ion:105 Resp: 256564

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.6



#74

N-ethyl acetate

Concen: 54.161 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Tgt Ion: 43 Resp: 44505

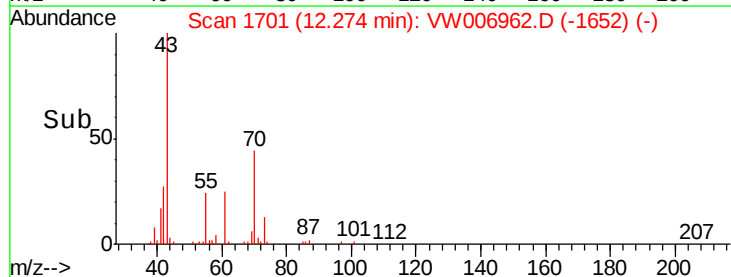
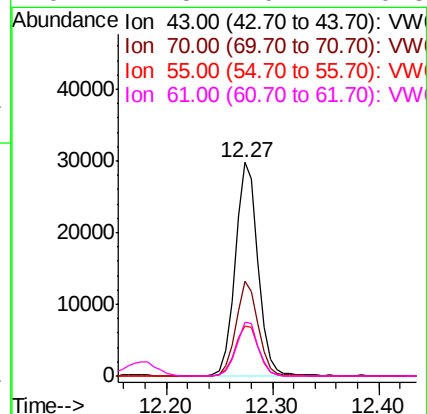
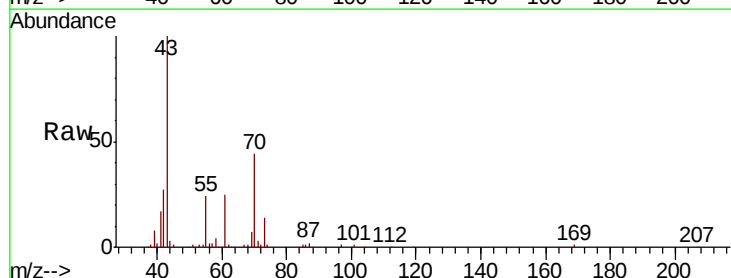
Ion Ratio Lower Upper

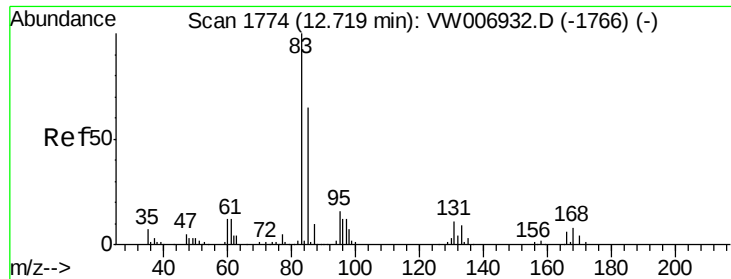
43 100

70 43.6 34.2 51.4

55 24.4 19.5 29.3

61 24.8 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 75.692 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MSD

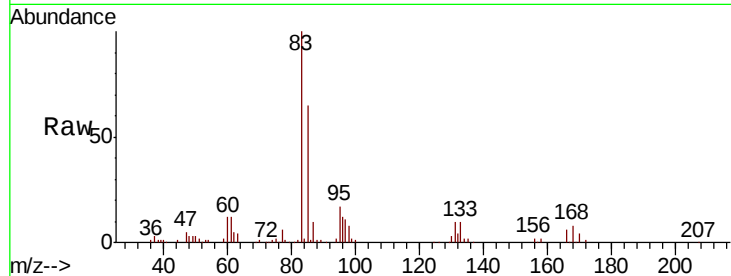
Tot Ion: 83 Resp: 45714

Ion Ratio Lower Upper

83 100

131 11.3 5.6 16.8

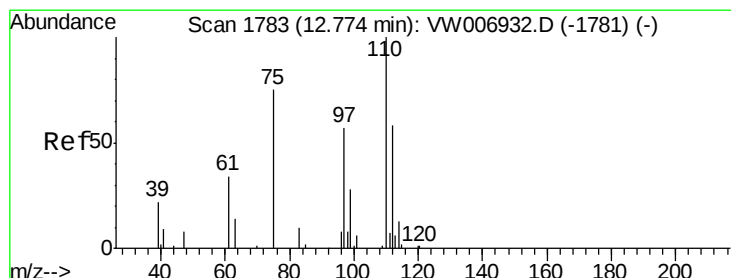
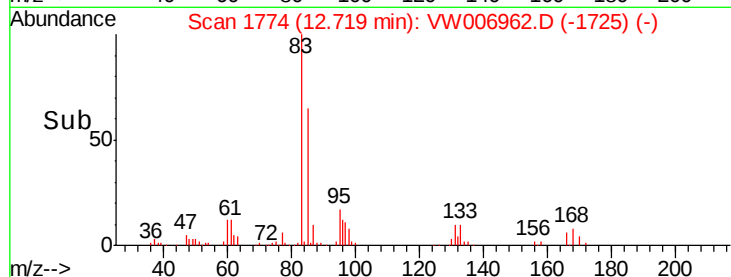
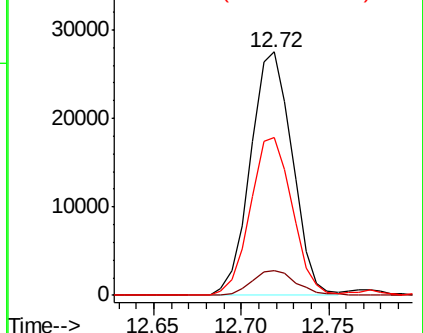
85 64.9 32.5 97.5



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: 138.766 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW006962.D

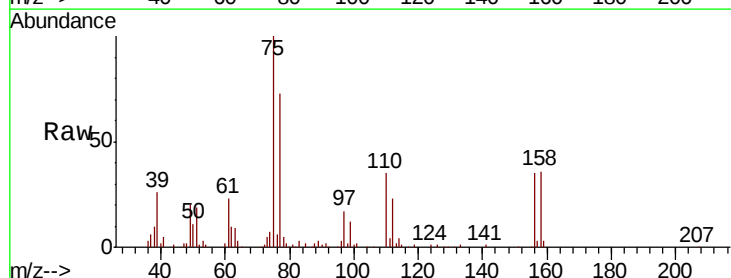
Acq: 19 Nov 2018 23:57

Tgt Ion: 75 Resp: 57814

Ion Ratio Lower Upper

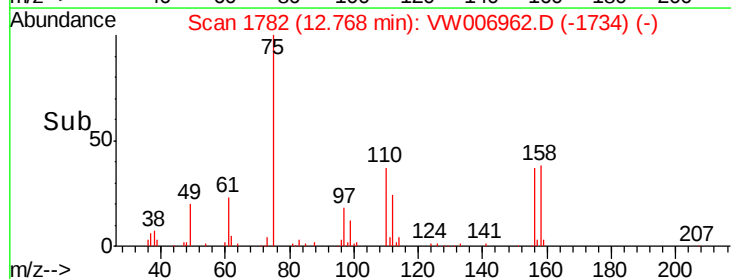
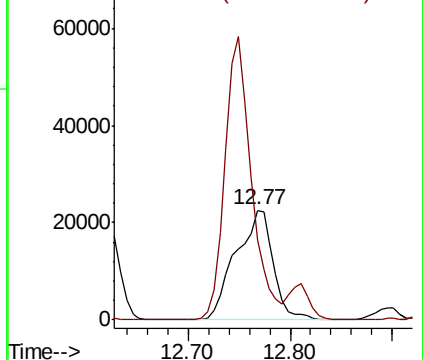
75 100

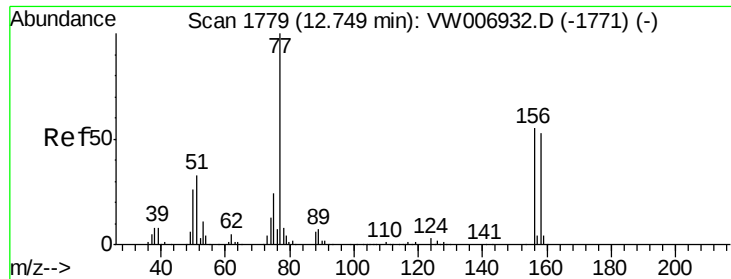
77 181.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 60.823 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MSD

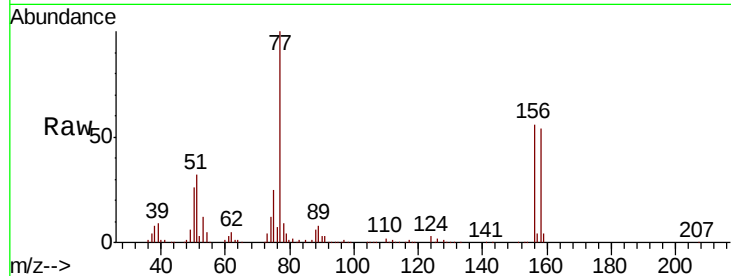
Tot Ion:156 Resp: 52928

Ion Ratio Lower Upper

156 100

77 198.5 97.8 293.3

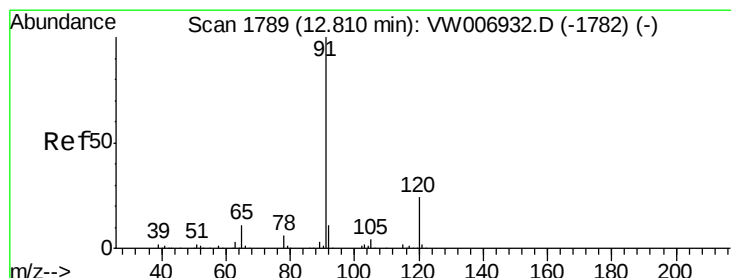
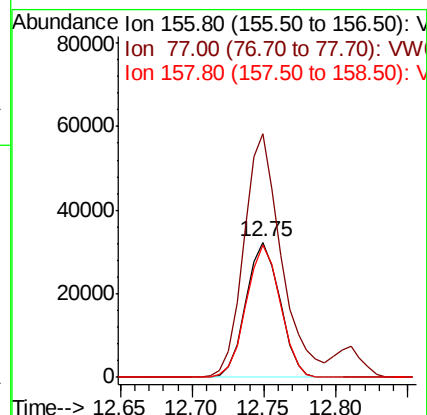
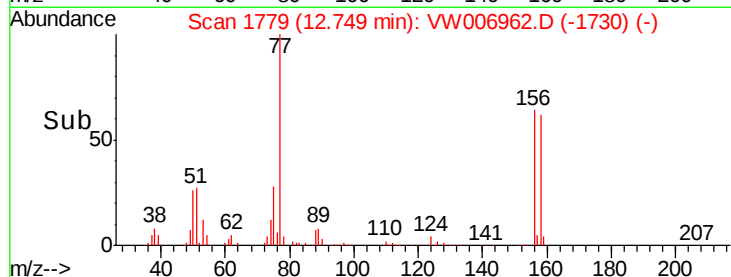
158 97.4 47.9 143.7



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: 54.539 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006962.D

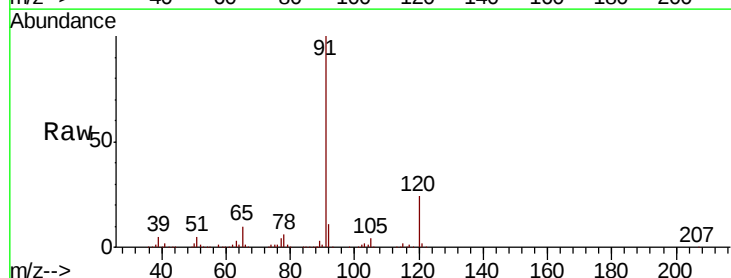
Acq: 19 Nov 2018 23:57

Tgt Ion: 91 Resp: 269071

Ion Ratio Lower Upper

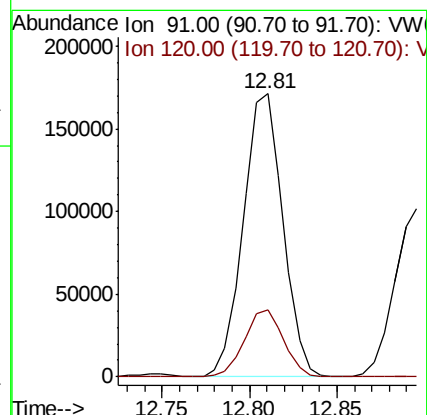
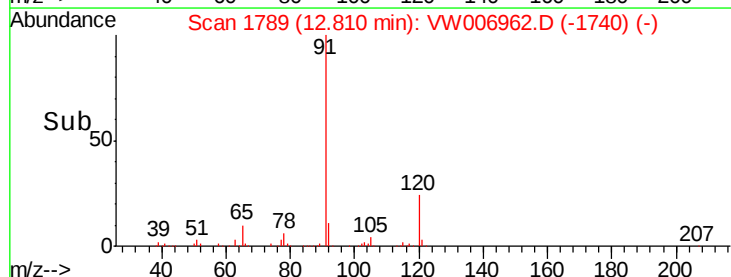
91 100

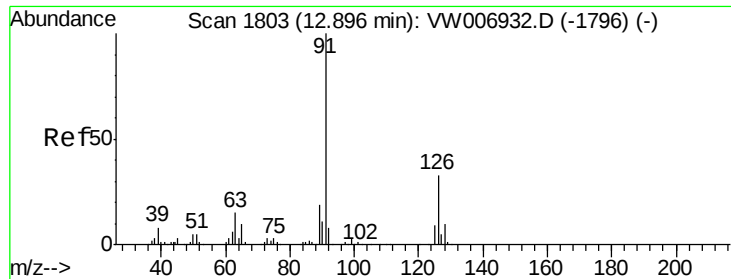
120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 56.994 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

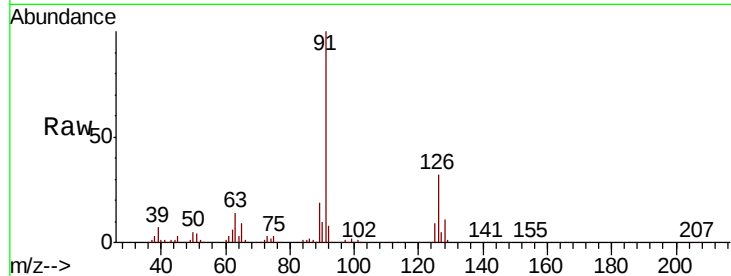
MMTW-03(8-10)MSD

Tot Ion: 91 Resp: 164787

Ion Ratio Lower Upper

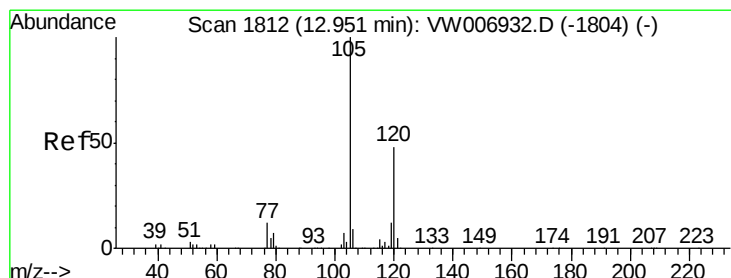
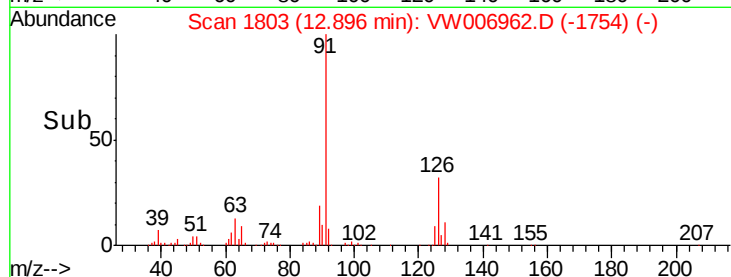
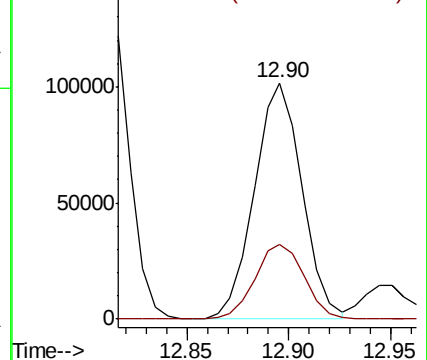
91 100

126 32.7 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 59.310 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VW006962.D

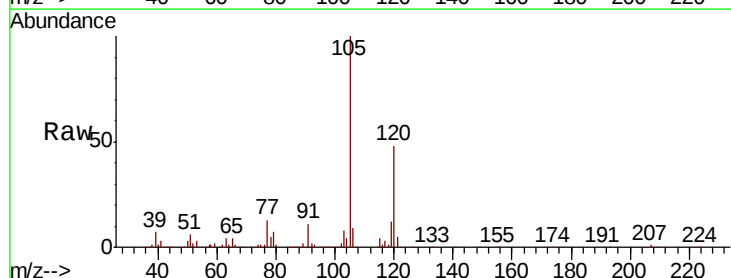
Acq: 19 Nov 2018 23:57

Tgt Ion:105 Resp: 209682

Ion Ratio Lower Upper

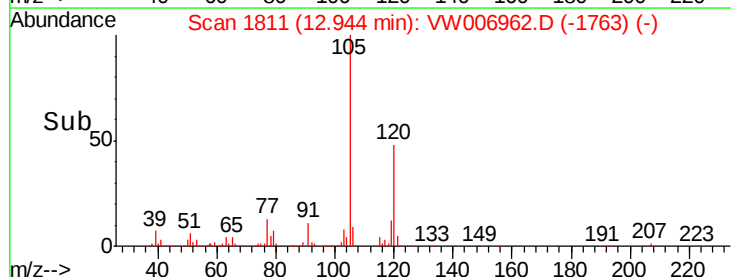
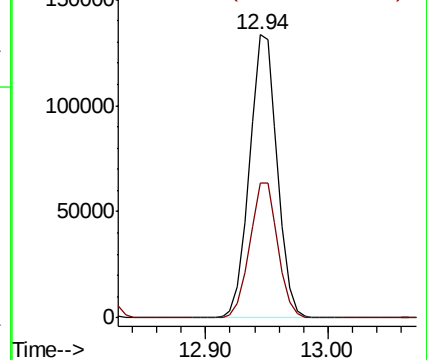
105 100

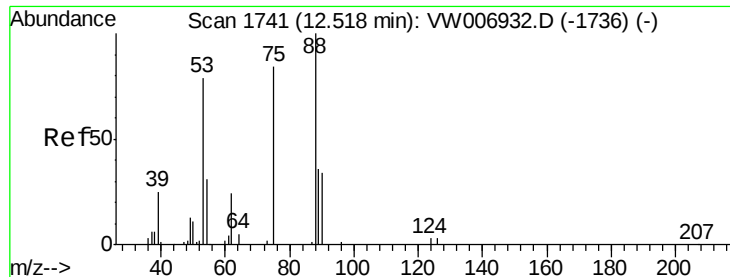
120 48.3 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 68.712 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MSD

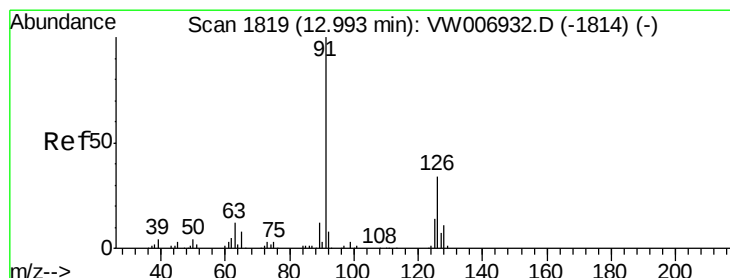
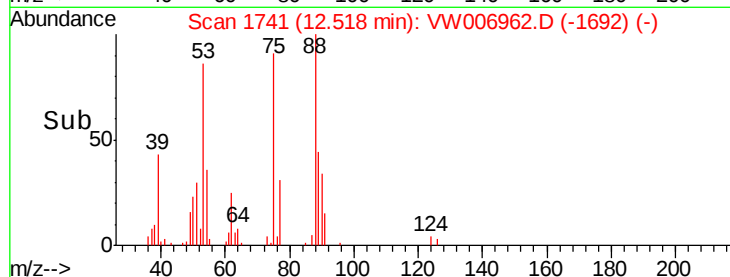
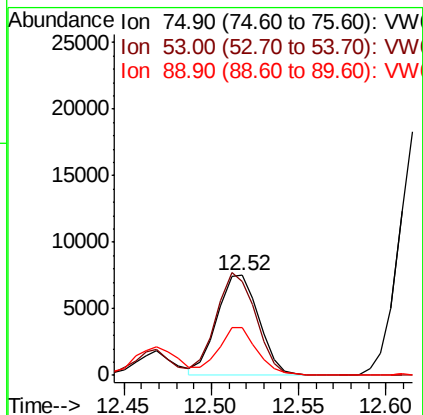
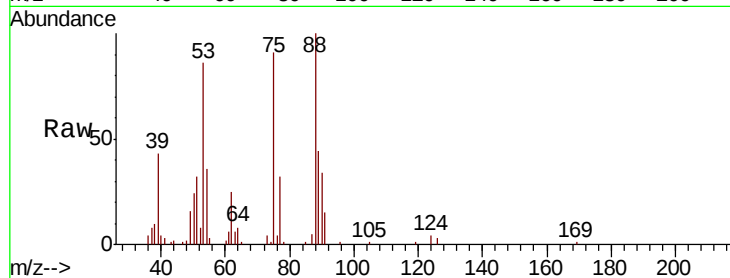
Tot Ion: 75 Resp: 12576

Ion Ratio Lower Upper

75 100

53 97.4 79.3 118.9

89 45.3 39.5 59.3



#82

4-Chlorotoluene

Concen: 52.037 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW006962.D

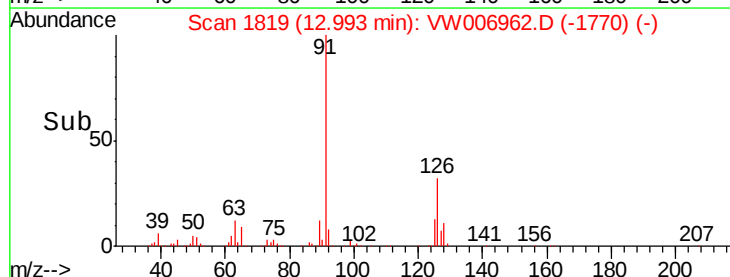
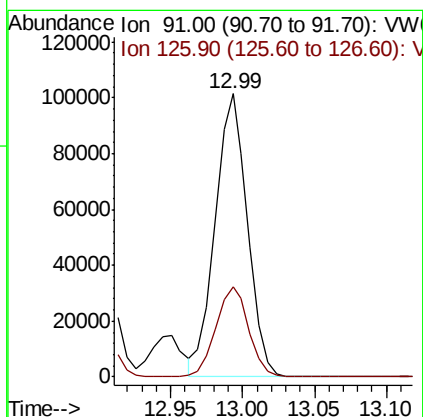
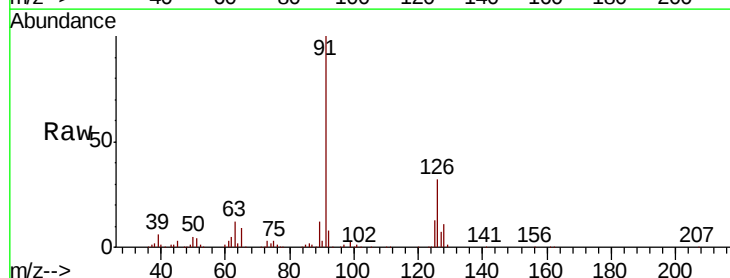
Acq: 19 Nov 2018 23:57

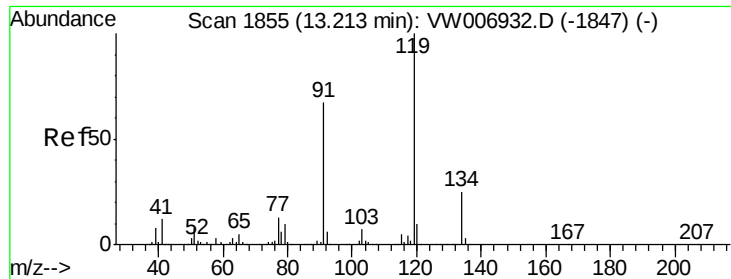
Tgt Ion: 91 Resp: 158627

Ion Ratio Lower Upper

91 100

126 32.5 16.2 48.6

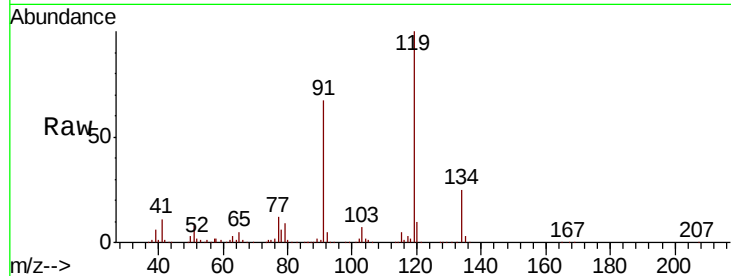




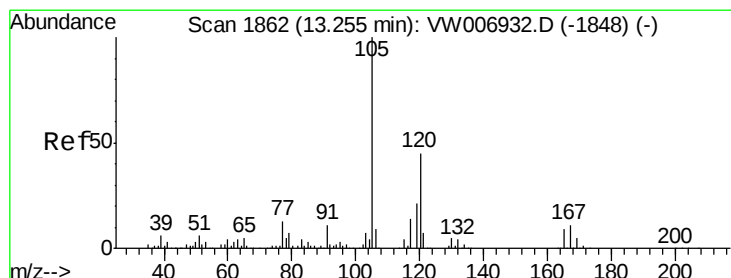
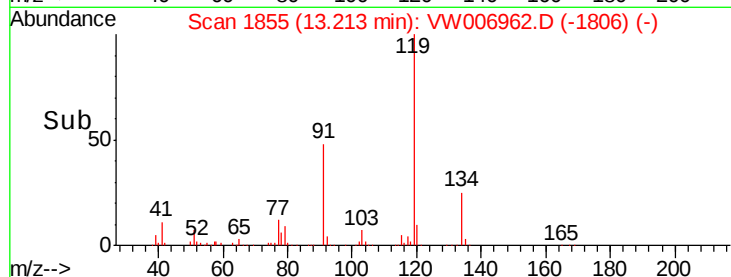
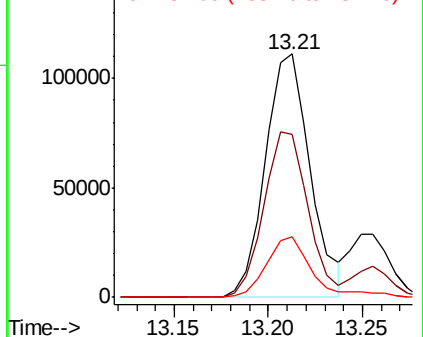
#83
tert-Butylbenzene
Concen: 61.346 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MSD

Tot Ion:119 Resp: 184178
Ion Ratio Lower Upper
119 100
91 66.7 33.8 101.4
134 25.6 12.6 37.8

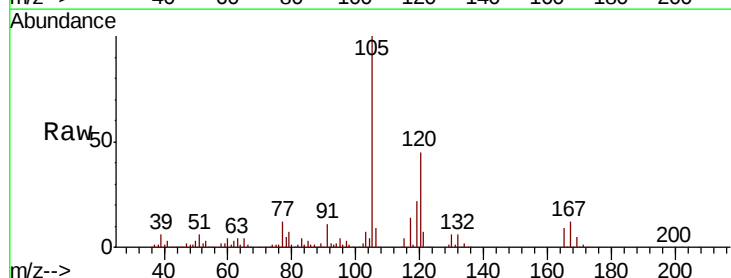


Abundance Ion 119.00 (118.70 to 119.70): V
150000 Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

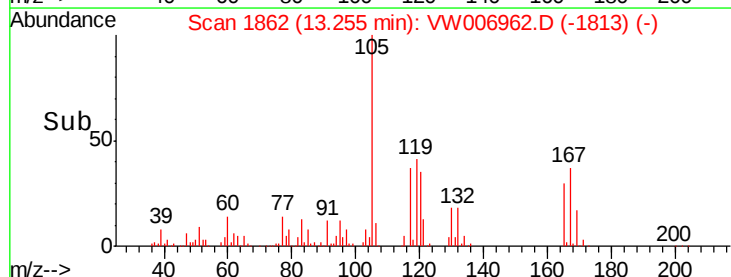
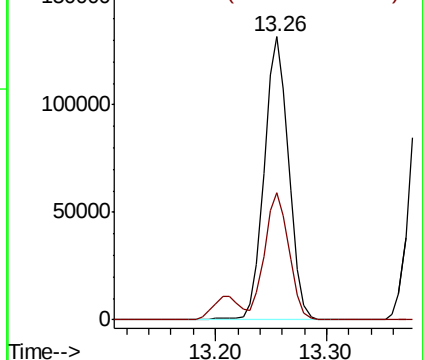


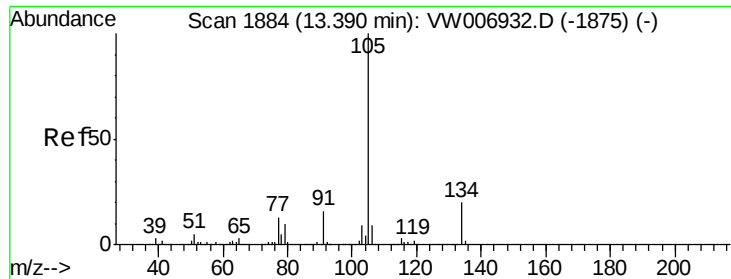
#84
1,2,4-Trimethylbenzene
Concen: 56.877 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006962.D
Acq: 19 Nov 2018 23:57

Tgt Ion:105 Resp: 202009
Ion Ratio Lower Upper
105 100
120 44.2 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V
150000 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.617 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

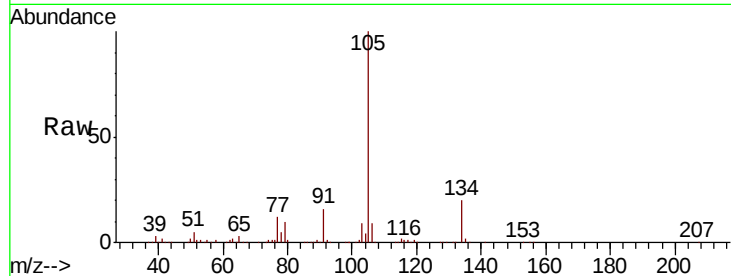
MMTW-03(8-10)MSD

Tot Ion:105 Resp: 225402

Ion Ratio Lower Upper

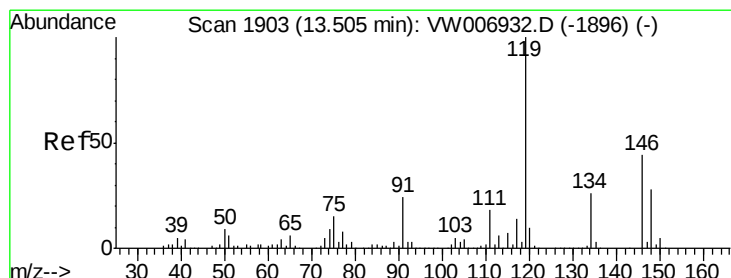
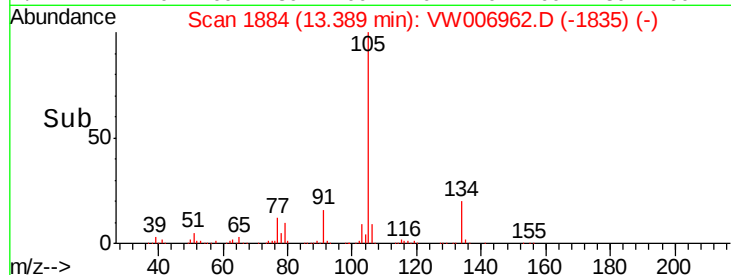
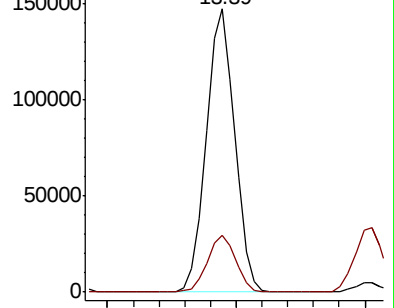
105 100

134 20.0 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.197 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

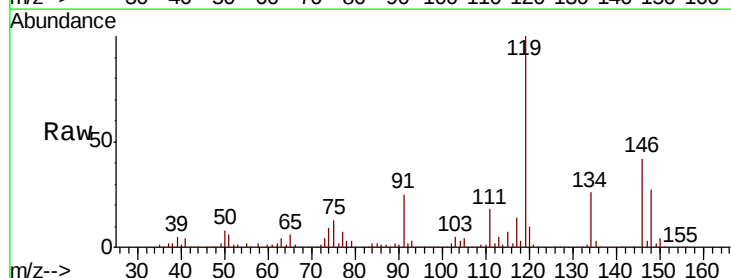
Tgt Ion:119 Resp: 199168

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

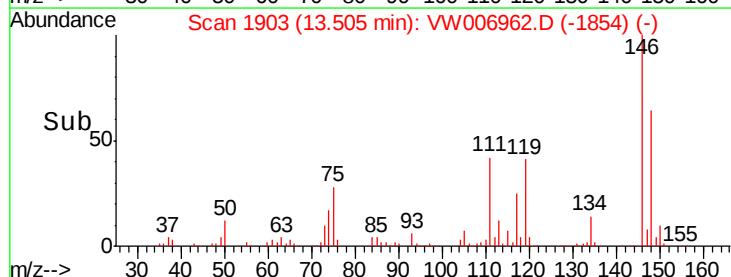
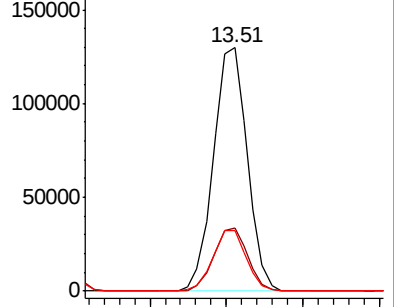
91 24.8 12.4 37.2

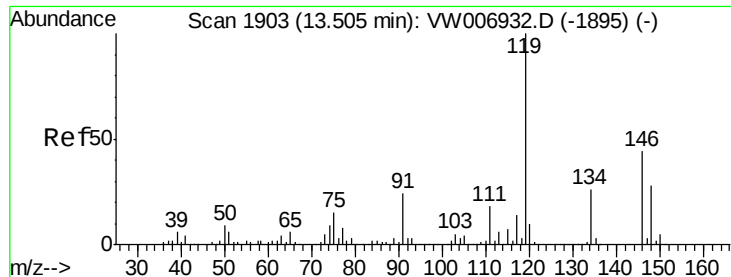


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.272 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MSD

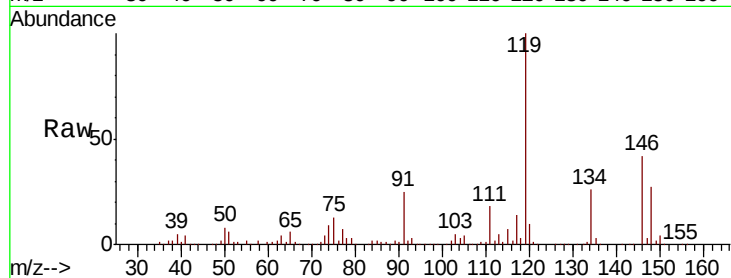
Tot Ion:146 Resp: 89455

Ion Ratio Lower Upper

146 100

111 42.9 21.3 63.9

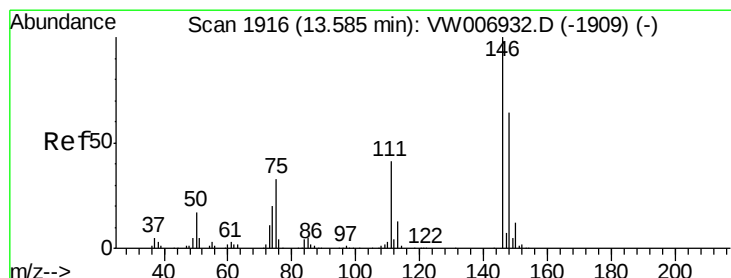
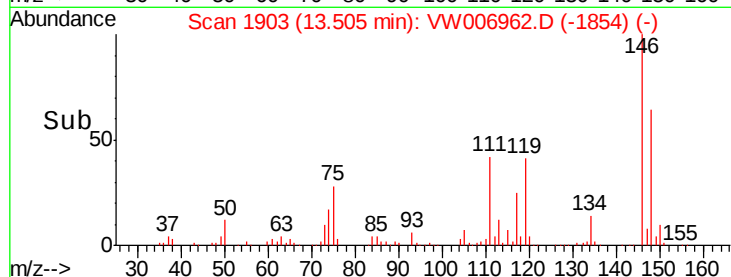
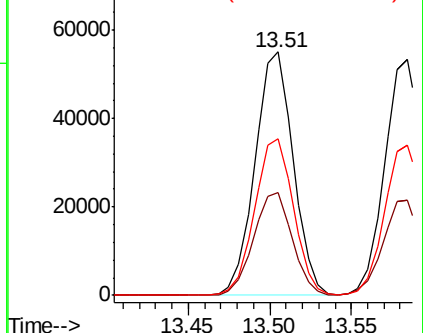
148 65.1 31.9 95.9



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



#88

1,4-Dichlorobenzene

Concen: 49.280 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

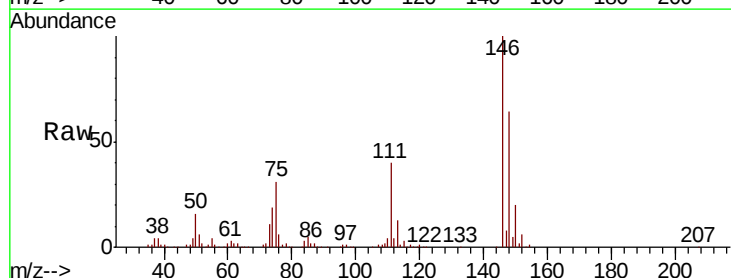
Tgt Ion:146 Resp: 87394

Ion Ratio Lower Upper

146 100

111 41.2 20.7 62.1

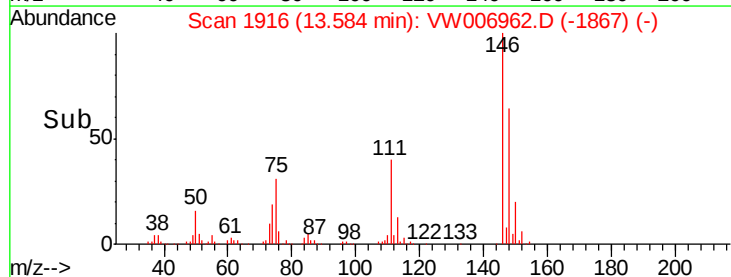
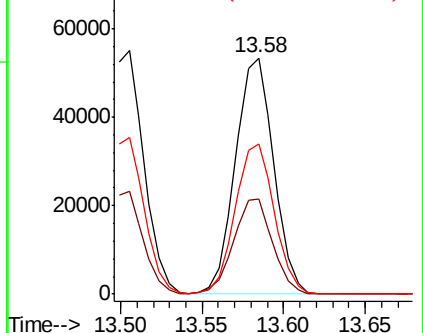
148 64.6 31.9 95.9

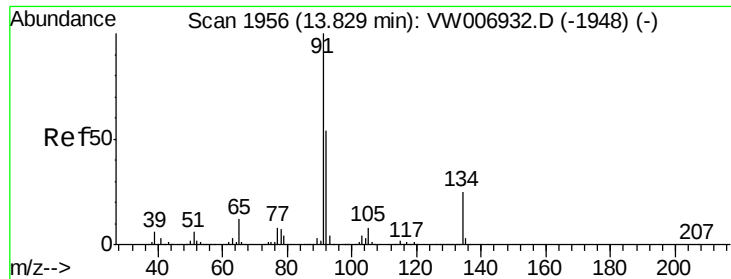


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 41.151 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MSD

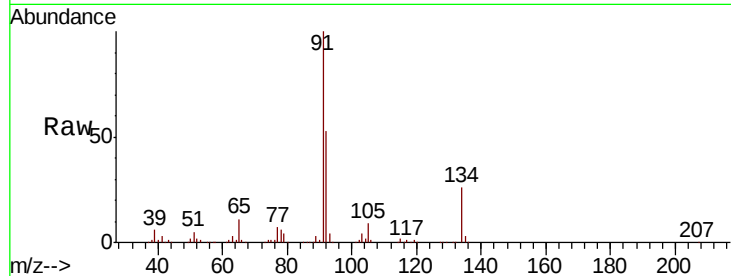
Tot Ion: 91 Resp: 145840

Ion Ratio Lower Upper

91 100

92 53.3 26.4 79.2

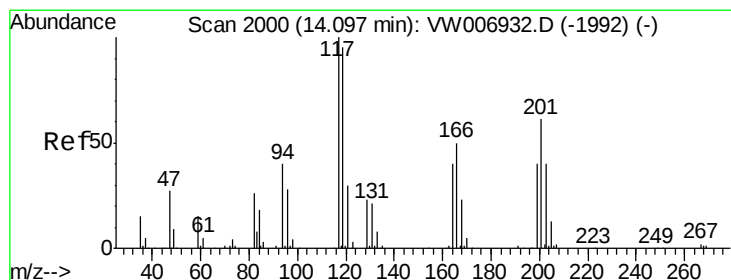
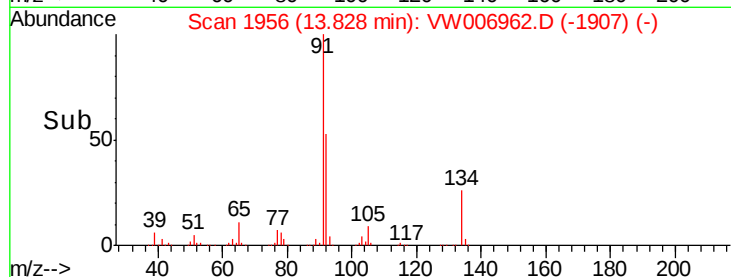
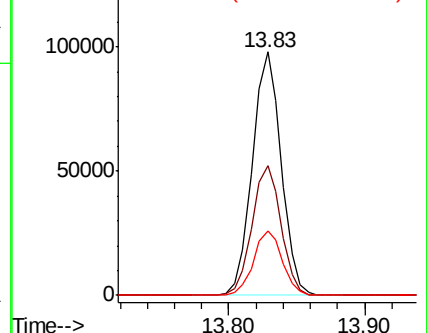
134 26.4 12.9 38.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 50.221 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW006962.D

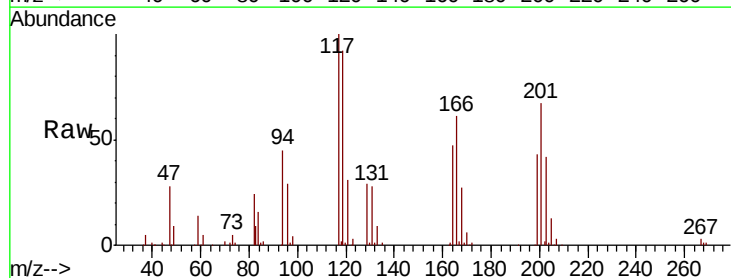
Acq: 19 Nov 2018 23:57

Tgt Ion: 117 Resp: 30653

Ion Ratio Lower Upper

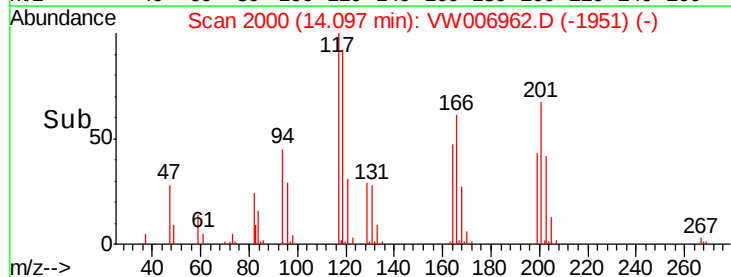
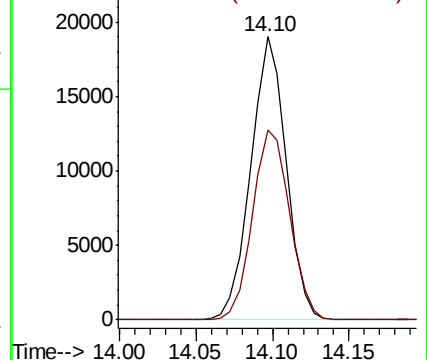
117 100

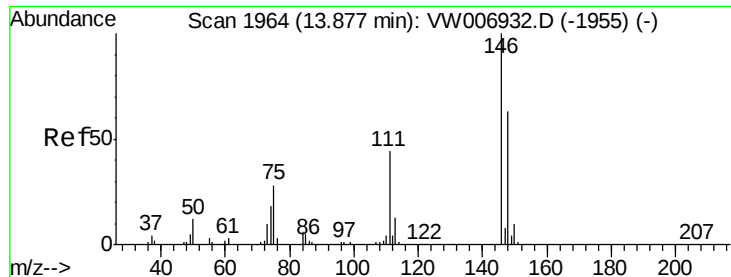
201 70.5 33.8 101.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 54.648 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MSD

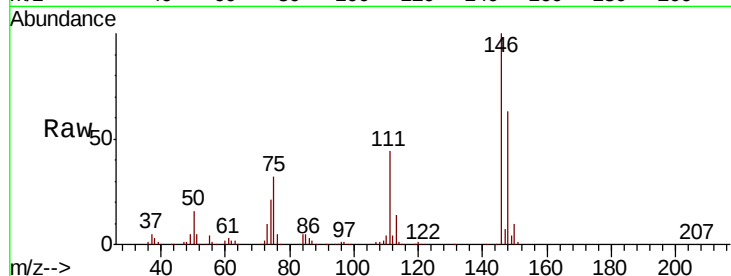
Tot Ion:146 Resp: 86953

Ion Ratio Lower Upper

146 100

111 43.5 22.6 67.7

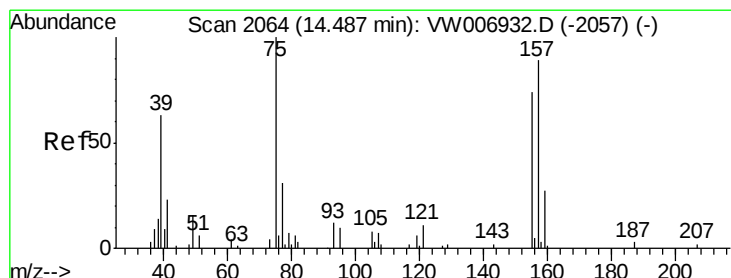
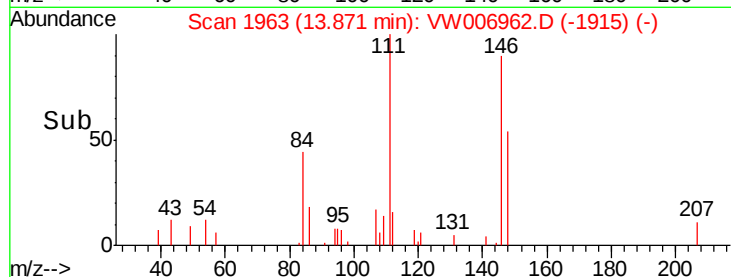
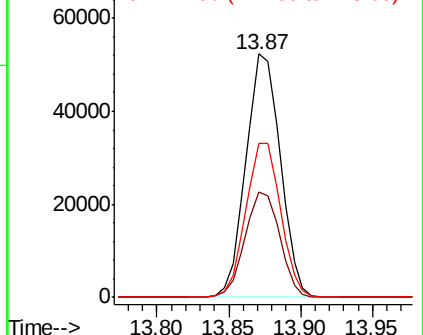
148 64.0 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 76.039 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

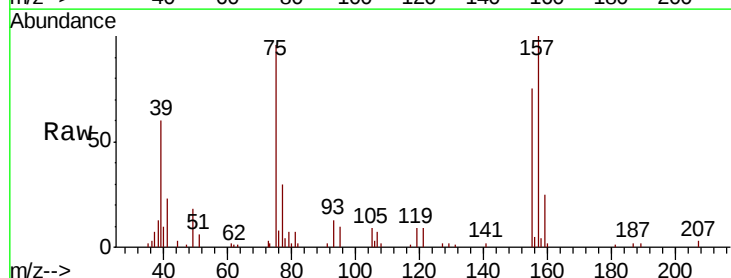
Tgt Ion: 75 Resp: 7947

Ion Ratio Lower Upper

75 100

155 79.8 38.6 115.7

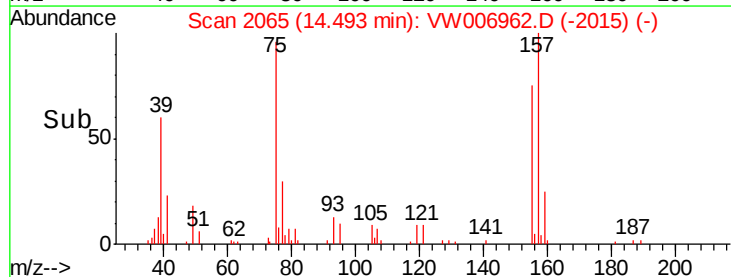
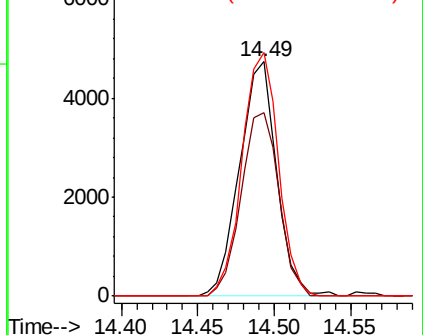
157 102.0 49.7 149.1

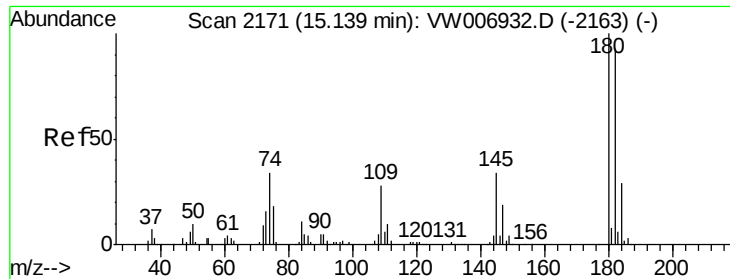


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

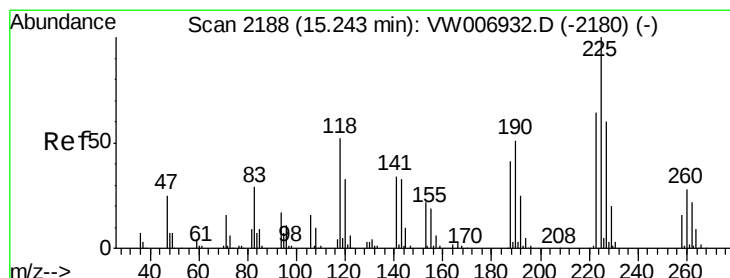
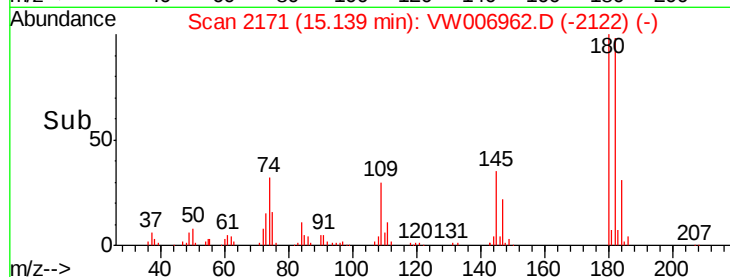
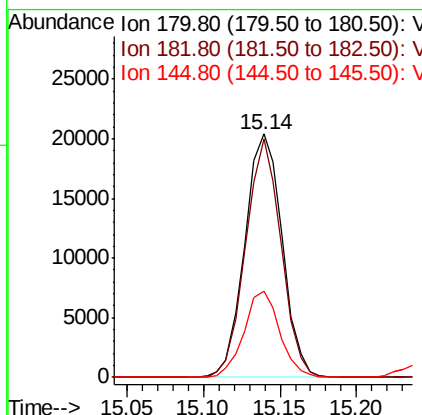
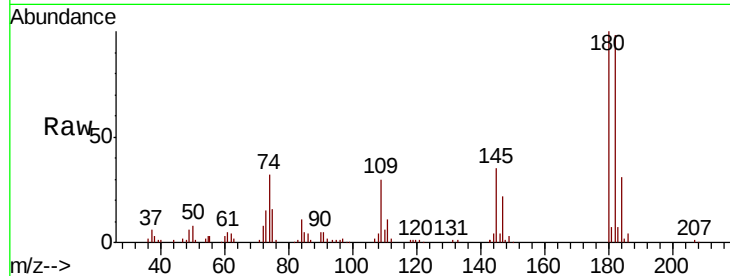




#93
 1,2,4-Trichlorobenzene
 Concen: 34.591 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW006962.D
 Acq: 19 Nov 2018 23:57

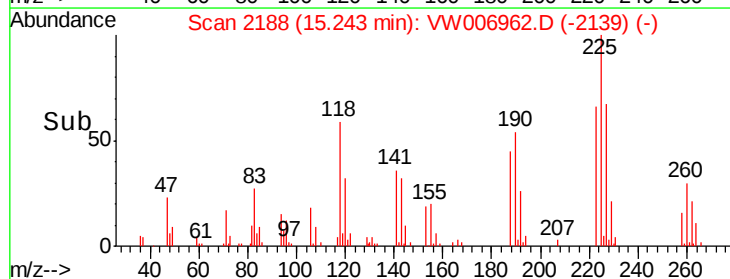
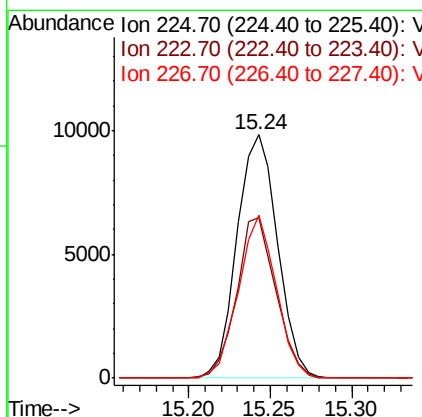
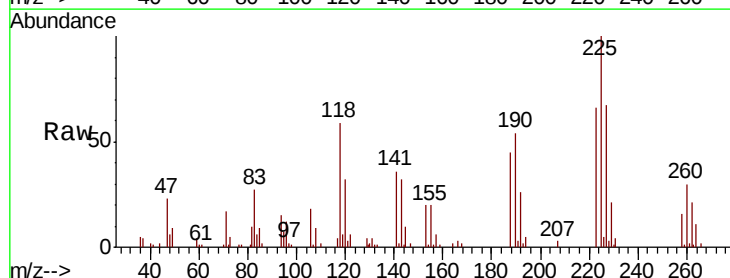
Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MSD

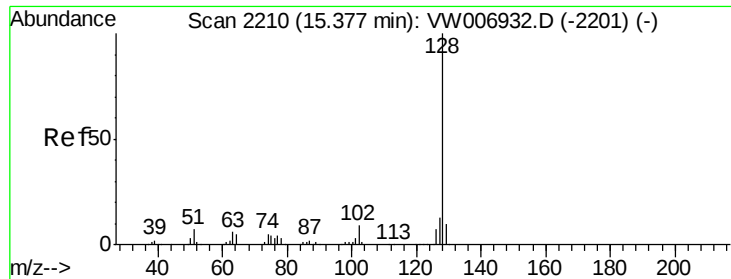
Tot Ion:180 Resp: 34629
 Ion Ratio Lower Upper
 180 100
 182 92.9 47.3 141.9
 145 33.8 16.8 50.4



#94
 Hexachlorobutadiene
 Concen: 32.144 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006962.D
 Acq: 19 Nov 2018 23:57

Tgt Ion:225 Resp: 16999
 Ion Ratio Lower Upper
 225 100
 223 63.6 32.1 96.3
 227 62.5 31.6 95.0





#95

Naphthalene

Concen: 64.647 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MSD

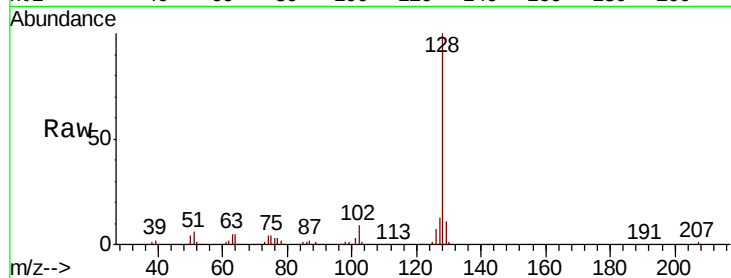
Tot Ion:128 Resp: 124700

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

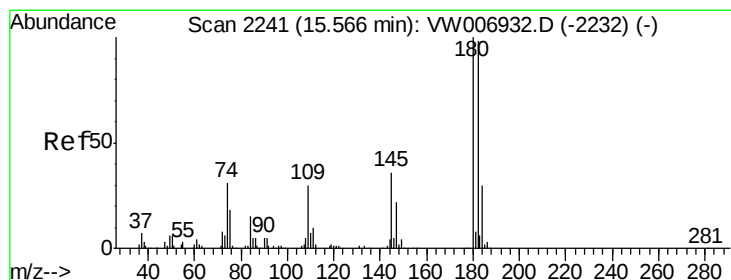
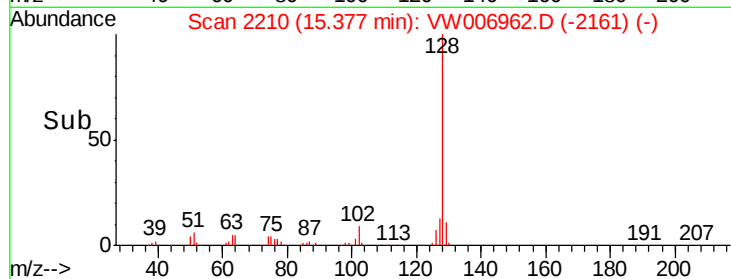
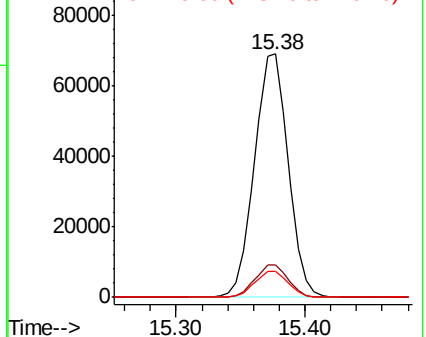
129 10.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 37.500 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW006962.D

Acq: 19 Nov 2018 23:57

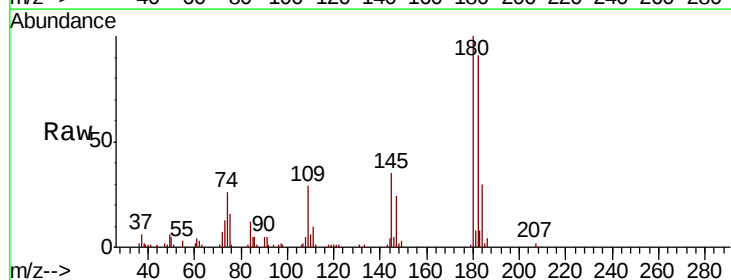
Tgt Ion:180 Resp: 32183

Ion Ratio Lower Upper

180 100

182 94.5 47.4 142.2

145 35.0 17.6 52.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

