

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112018\
 Data File : VW006961.D
 Acq On : 19 Nov 2018 23:32
 Operator : SY/AP
 Sample : J5977-09MS
 Misc : 3.85G/5ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Nov 20 04:37:56 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	96619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	150111	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	131589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	54328	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	53108	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
35) Dibromofluoromethane	7.88	113	48340	55.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.00%	
50) Toluene-d8	10.32	98	201526	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	
62) 4-Bromofluorobenzene	12.62	95	67239	45.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	47504	51.353	ug/l	100
3) Chloromethane	2.21	50	42080	50.533	ug/l	97
4) Vinyl Chloride	2.36	62	38780	49.127	ug/l	97
5) Bromomethane	2.78	94	23069	54.405	ug/l	99
6) Chloroethane	2.92	64	23038	52.994	ug/l	96
7) Trichlorofluoromethane	3.26	101	76908	50.058	ug/l	98
8) Diethyl Ether	3.68	74	27735	49.886	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	44881	45.235	ug/l	97
10) Methyl Iodide	4.27	142	57738	47.240	ug/l	99
11) Tert butyl alcohol	5.20	59	17829	217.647	ug/l	98
12) 1,1-Dichloroethene	4.04	96	41892	47.060	ug/l	98
13) Acrolein	3.90	56	19638	264.384	ug/l	99
14) Allyl chloride	4.67	41	71269	45.511	ug/l	99
15) Acrylonitrile	5.38	53	57930	267.718	ug/l	98
16) Acetone	4.14	43	38929	236.363	ug/l	91
17) Carbon Disulfide	4.39	76	120904	42.932	ug/l	99
18) Methyl Acetate	4.68	43	44132	73.221	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	139555	53.479	ug/l	99
20) Methylene Chloride	4.92	84	61322	54.356	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	44211	41.635	ug/l	98
22) Diisopropyl ether	6.31	45	158968	49.734	ug/l	99
23) Vinyl Acetate	6.26	43	174303	98.476	ug/l	99
24) 1,1-Dichloroethane	6.23	63	89165	48.445	ug/l	99
25) 2-Butanone	7.18	43	70222	256.725	ug/l	97
26) 2,2-Dichloropropane	7.17	77	73757	45.928	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	52460	44.434	ug/l	99
28) Bromochloromethane	7.51	49	31608	46.758	ug/l	# 97
29) Tetrahydrofuran	7.53	42	48797	274.320	ug/l	99
30) Chloroform	7.68	83	91745	45.467	ug/l	99
31) Cyclohexane	7.96	56	78392	42.514	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	84035	48.376	ug/l	98
36) 1,1-Dichloropropene	8.09	75	68970	48.229	ug/l	99
37) Ethyl Acetate	7.26	43	29180	47.991	ug/l	98
38) Carbon Tetrachloride	8.07	117	70781	50.363	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	70091	39.493	ug/l	99
40) Benzene	8.32	78	203270	50.294	ug/l	99
41) Methacrylonitrile	7.49	41	20455	54.925	ug/l	95
42) 1,2-Dichloroethane	8.40	62	62154	51.370	ug/l	100
43) Isopropyl Acetate	8.43	43	59984	51.414	ug/l	100
44) Trichloroethene	9.09	130	52700	48.495	ug/l	96
45) 1,2-Dichloropropane	9.37	63	53385	52.291	ug/l	99
46) Dibromomethane	9.46	93	26493	51.242	ug/l	98
47) Bromodichloromethane	9.65	83	68604	50.392	ug/l	99
48) Methyl methacrylate	9.44	41	34169	60.693	ug/l	95
49) 1,4-Dioxane	9.47	88	9125	1164.700	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	166971	290.381	ug/l	98
52) Toluene	10.39	92	136758	50.578	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	60600	45.548	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	76393	47.980	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	41140	53.966	ug/l	97
56) Ethyl methacrylate	10.65	69	44294	46.734	ug/l	97
57) 1,3-Dichloropropane	10.93	76	66856	51.547	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	124342	266.855	ug/l	99
59) 2-Hexanone	10.97	43	114859	298.464	ug/l	98
60) Dibromochloromethane	11.13	129	45356	52.174	ug/l	98
61) 1,2-Dibromoethane	11.24	107	35903	50.674	ug/l	99
64) Tetrachloroethene	10.87	164	45142	53.292	ug/l	97
65) Chlorobenzene	11.66	112	139195	50.097	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	47871	54.064	ug/l	99
67) Ethyl Benzene	11.73	91	261091	52.119	ug/l	98
68) m/p-Xylenes	11.84	106	203463	104.300	ug/l	98
69) o-Xylene	12.17	106	98886	53.409	ug/l	99
70) Styrene	12.18	104	147162	49.426	ug/l	99
71) Bromoform	12.35	173	23918	57.941	ug/l #	99
73) Isopropylbenzene	12.47	105	255571	59.401	ug/l	100
74) N-amyl acetate	12.27	43	42531	49.392	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	43343	68.485	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	55722	127.630	ug/l #	100
77) Bromobenzene	12.75	156	54053	59.276	ug/l	97
78) n-propylbenzene	12.81	91	274955	53.183	ug/l	100
79) 2-Chlorotoluene	12.90	91	164490	54.290	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	209461	56.538	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	11874	61.910	ug/l	96
82) 4-Chlorotoluene	12.99	91	163162	51.077	ug/l	99
83) tert-Butylbenzene	13.21	119	180739	57.448	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	205793	55.293	ug/l	99
85) sec-Butylbenzene	13.39	105	221757	49.399	ug/l	99
86) p-Isopropyltoluene	13.51	119	197433	50.322	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	91805	49.234	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	90560	48.730	ug/l	99
89) n-Butylbenzene	13.83	91	149104	40.148	ug/l	100
90) Hexachloroethane	14.10	117	29317	45.836	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	86999	52.177	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7332	66.947	ug/l	96

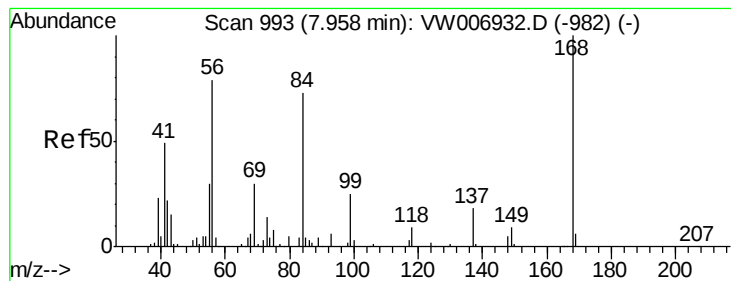
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112018\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	35717	34.046	ug/l	99
94) Hexachlorobutadiene	15.24	225	14355	25.904	ug/l	99
95) Naphthalene	15.37	128	152179	75.286	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	32092	35.684	ug/l	99

(#) = 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: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

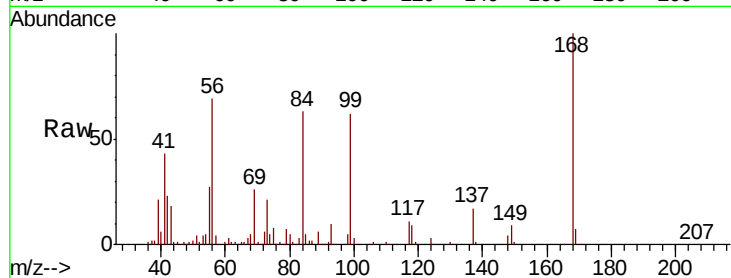
MMTW-03(8-10)MS

Tot Ion:168 Resp: 96619

Ion Ratio Lower Upper

168 100

99 62.0 49.3 73.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

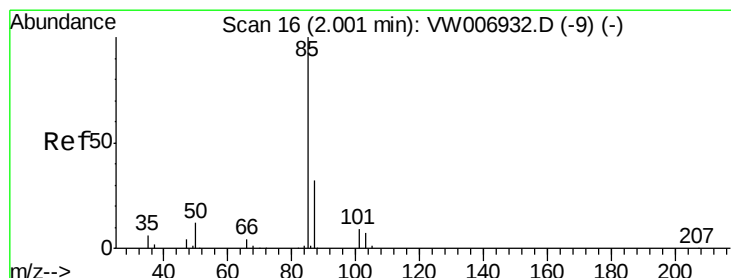
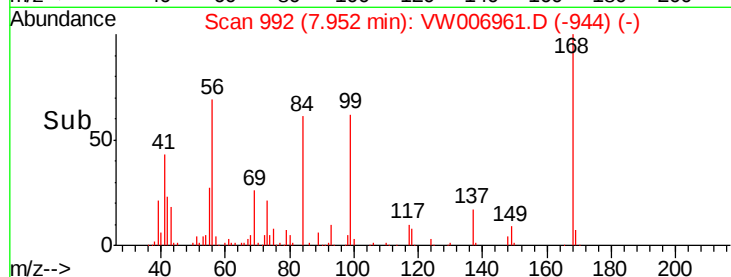
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 51.353 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW006961.D

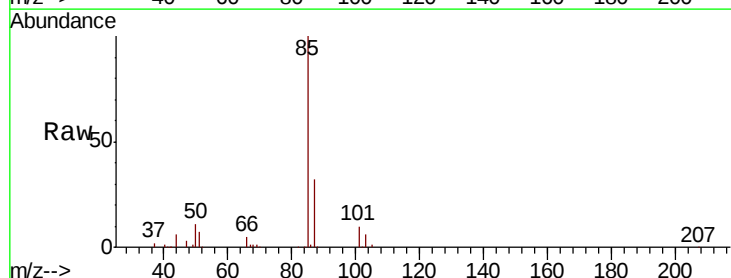
Acq: 19 Nov 2018 23:32

Tgt Ion: 85 Resp: 47504

Ion Ratio Lower Upper

85 100

87 31.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

30000

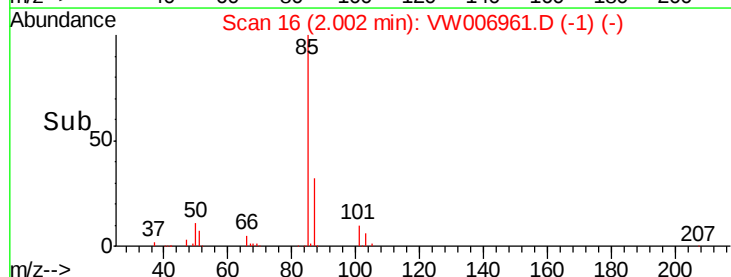
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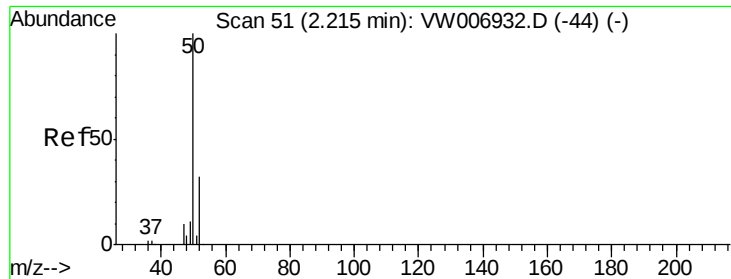
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1.90 1.95 2.00 2.05 2.10

Time-->

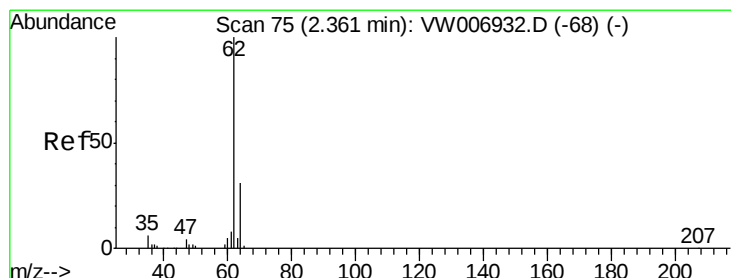
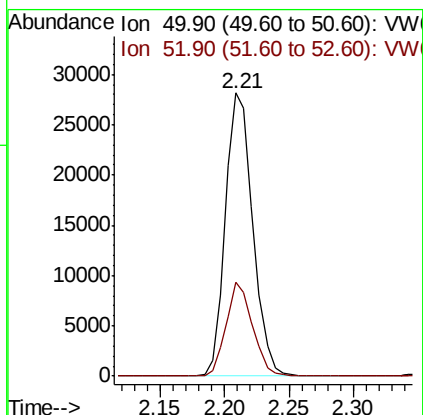
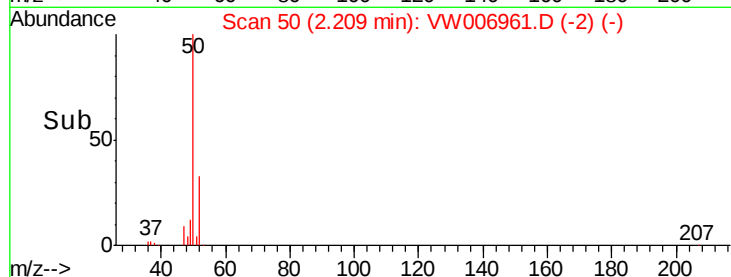
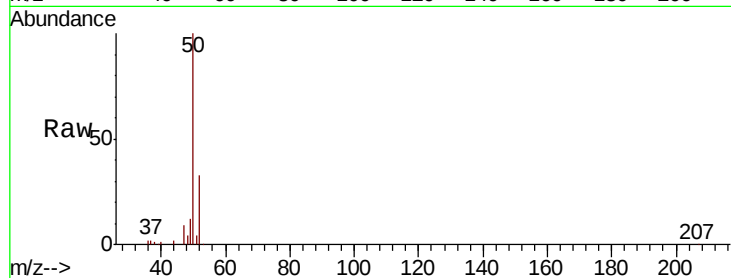




#3
Chloromethane
Concen: 50.533 ug/l
RT: 2.21 min Scan# 50
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

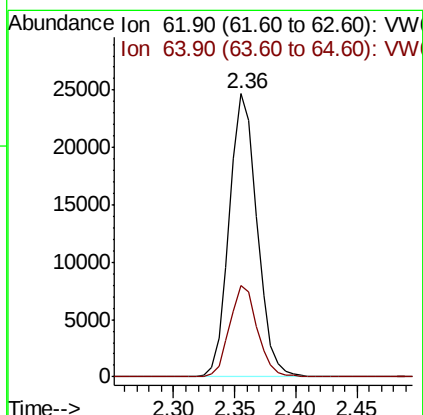
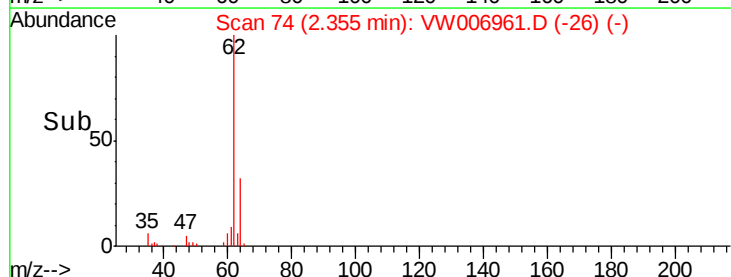
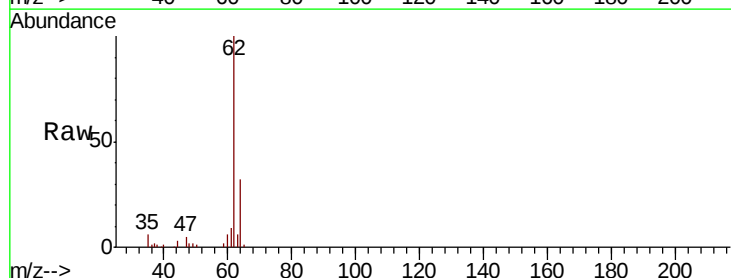
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

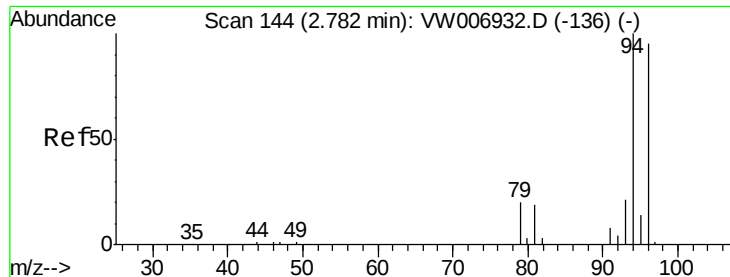
Tot Ion: 50 Resp: 42080
Ion Ratio Lower Upper
50 100
52 33.4 25.4 38.2



#4
Vinyl Chloride
Concen: 49.127 ug/l
RT: 2.36 min Scan# 74
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion: 62 Resp: 38780
Ion Ratio Lower Upper
62 100
64 32.4 24.6 37.0





#5

Bromomethane

Concen: 54.405 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

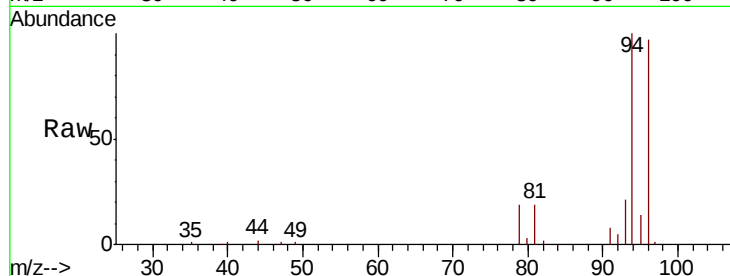
MMTW-03(8-10)MS

Tot Ion: 94 Resp: 23069

Ion Ratio Lower Upper

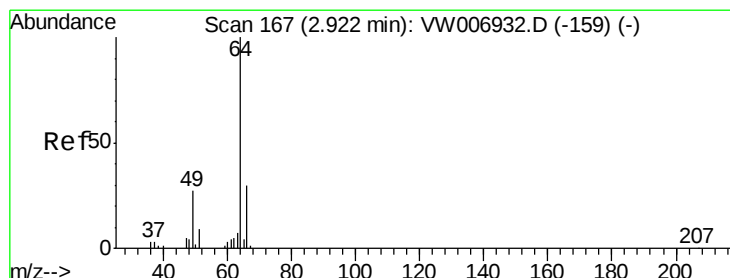
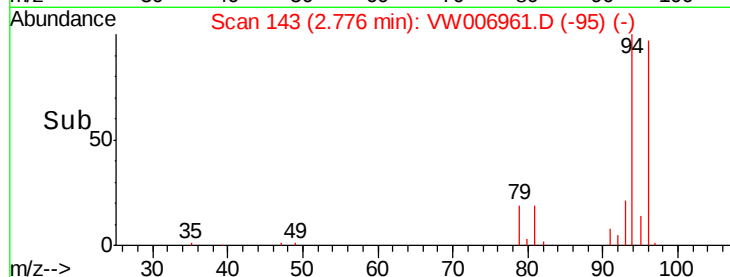
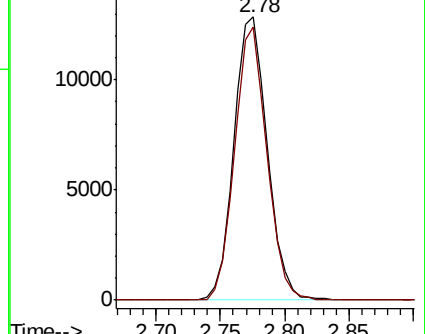
94 100

96 96.6 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 52.994 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW006961.D

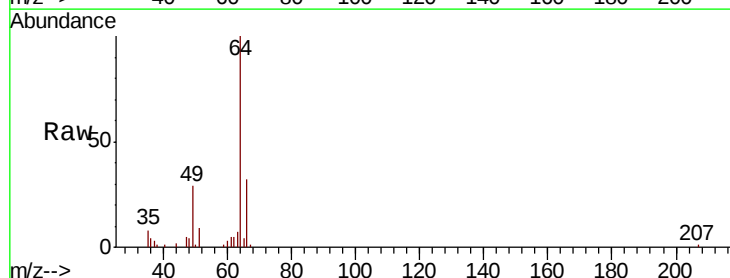
Acq: 19 Nov 2018 23:32

Tgt Ion: 64 Resp: 23038

Ion Ratio Lower Upper

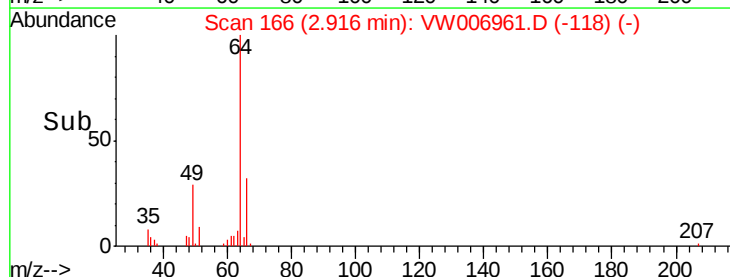
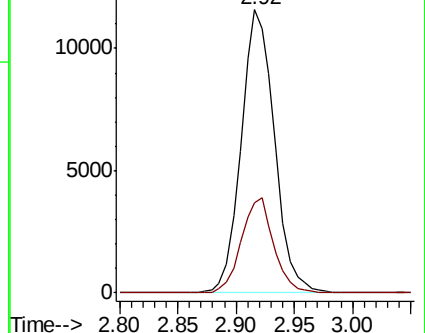
64 100

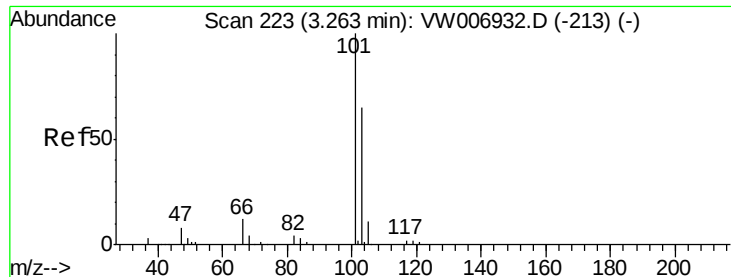
66 32.0 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



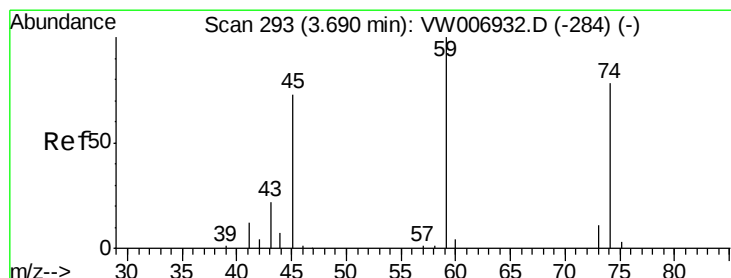
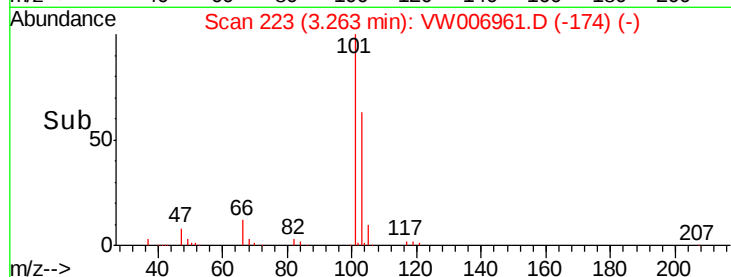
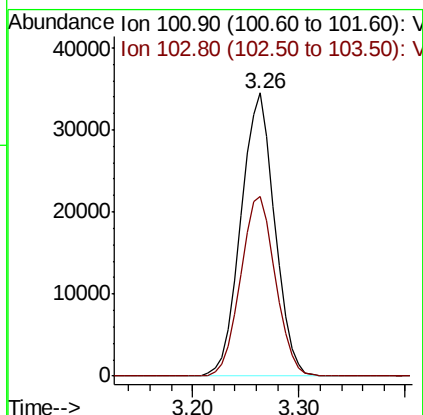
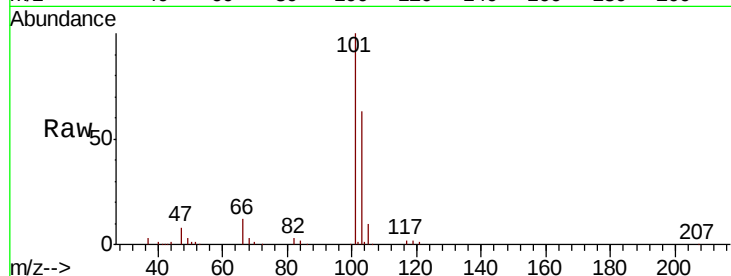


#7

Trichlorofluoromethane
 Concen: 50.058 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Instrument :
 MSVOA_W
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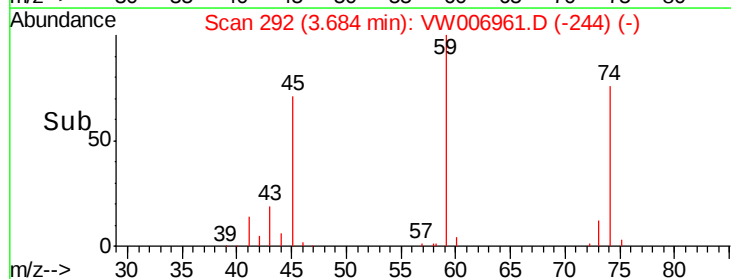
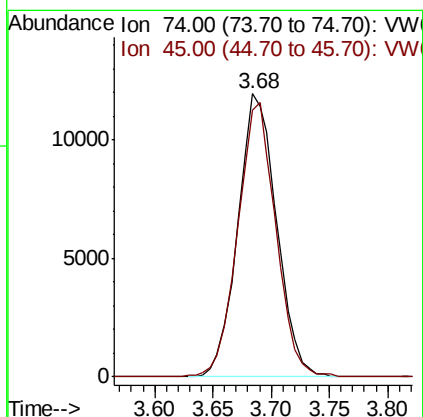
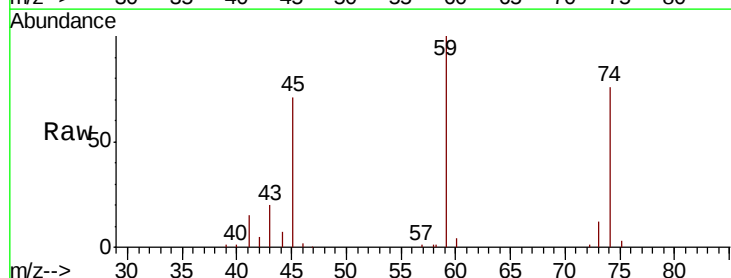
Tot Ion:101 Resp: 76908
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.2 78.2

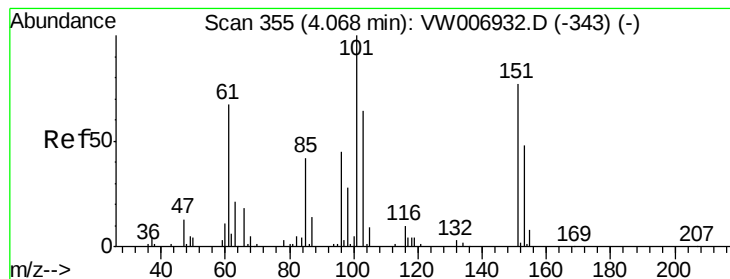


#8

Diethyl Ether
 Concen: 49.886 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.01 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Tgt Ion: 74 Resp: 27735
 Ion Ratio Lower Upper
 74 100
 45 95.2 48.0 144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.235 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MS

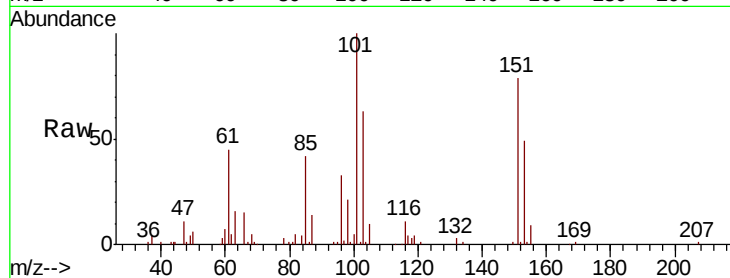
Tot Ion:101 Resp: 44881

Ion Ratio Lower Upper

101 100

85 42.3 34.5 51.7

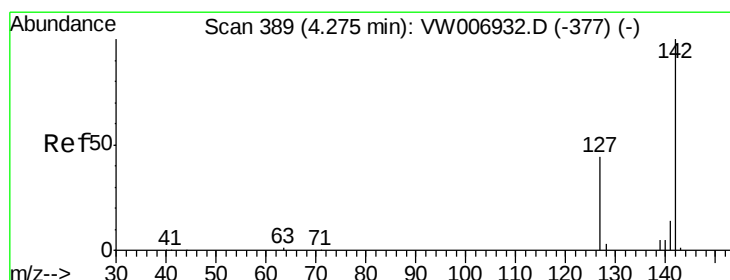
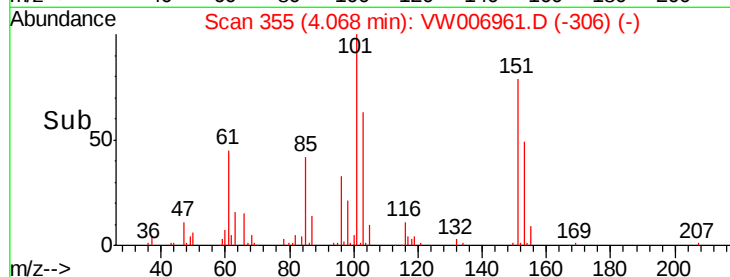
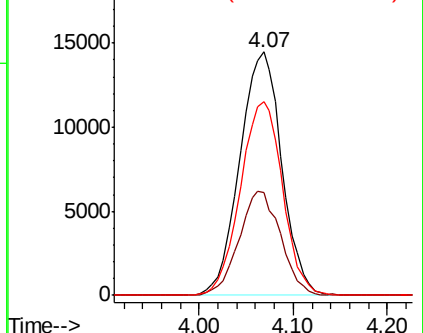
151 80.2 61.5 92.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.240 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

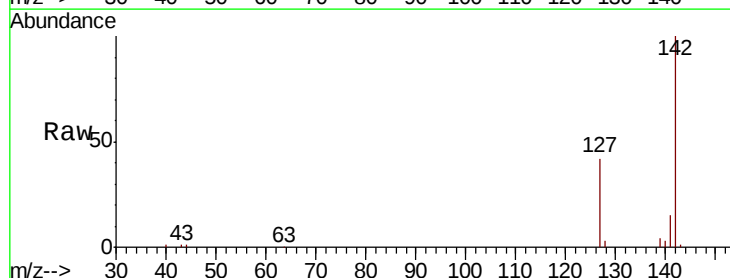
Tgt Ion:142 Resp: 57738

Ion Ratio Lower Upper

142 100

127 42.2 34.4 51.6

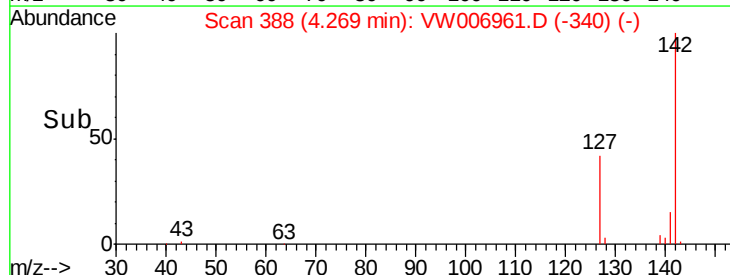
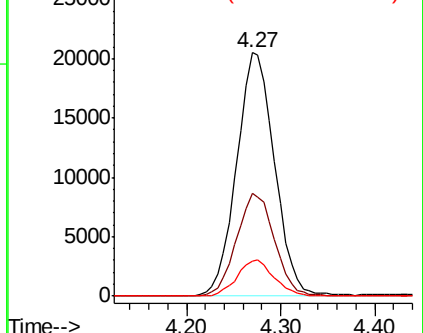
141 14.5 11.5 17.3

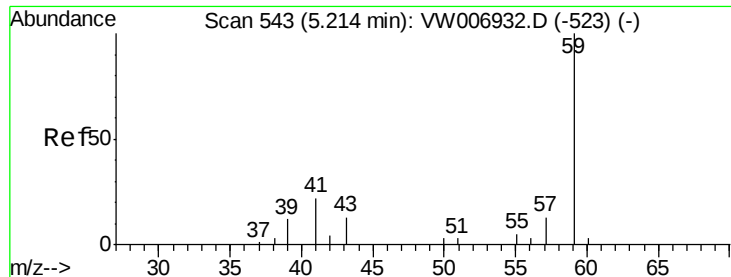


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

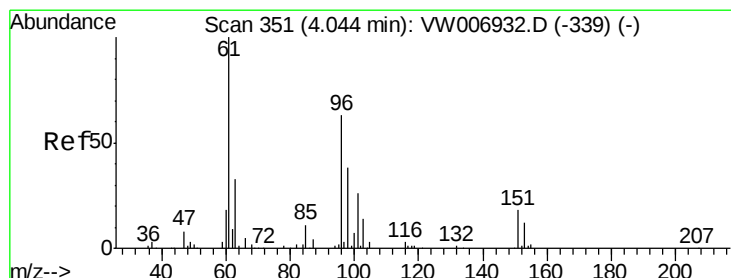
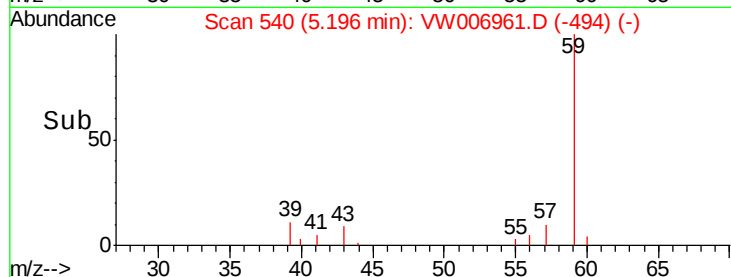
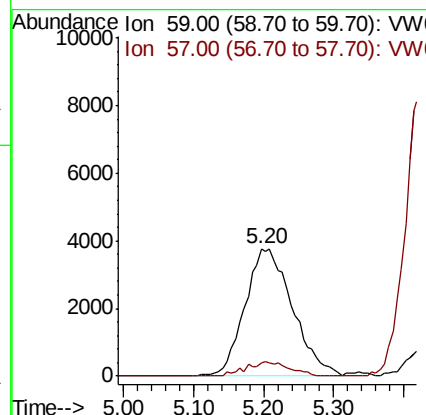
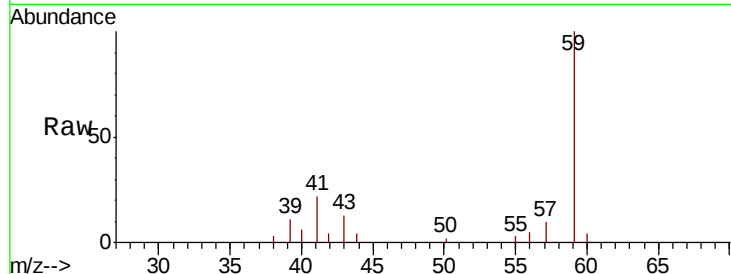




#11
Tert butyl alcohol
Concen: 217.647 ug/l
RT: 5.20 min Scan# 540
Delta R.T. -0.02 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

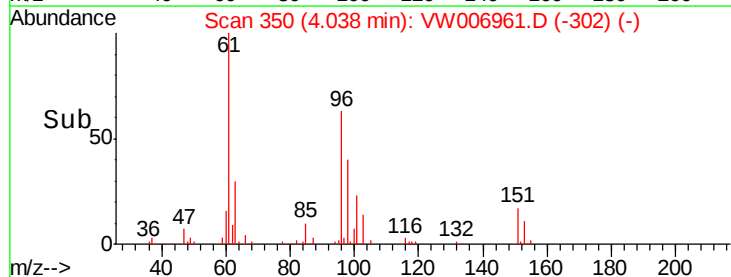
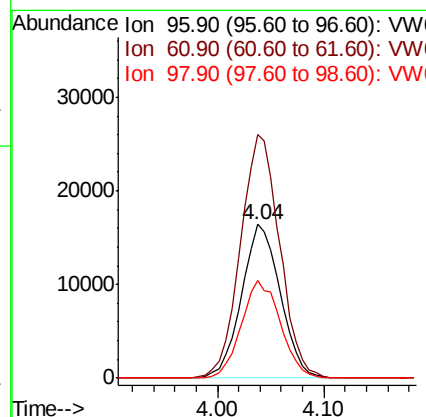
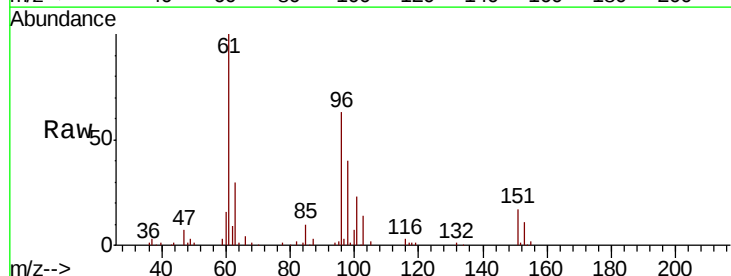
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

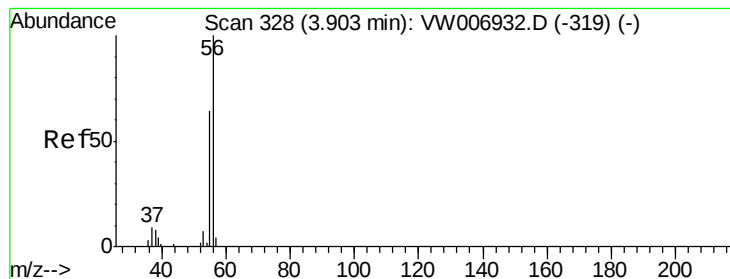
Tot Ion: 59 Resp: 17829
Ion Ratio Lower Upper
59 100
57 10.3 8.8 13.2



#12
1,1-Dichloroethene
Concen: 47.060 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion: 96 Resp: 41892
Ion Ratio Lower Upper
96 100
61 158.7 127.8 191.8
98 63.5 48.3 72.5





#13

Acrolein

Concen: 264.384 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

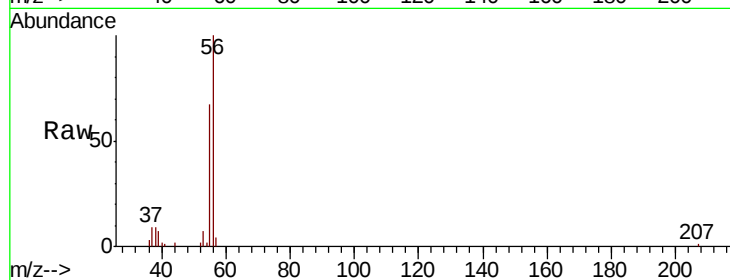
MMTW-03(8-10)MS

Tot Ion: 56 Resp: 19638

Ion Ratio Lower Upper

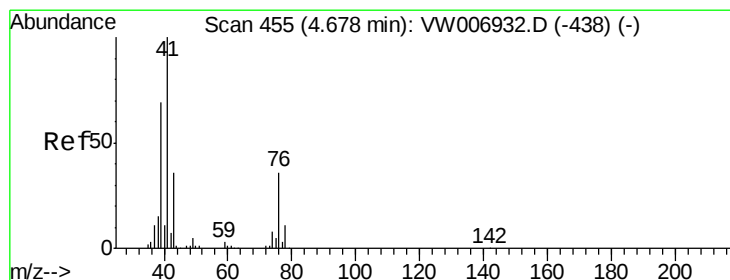
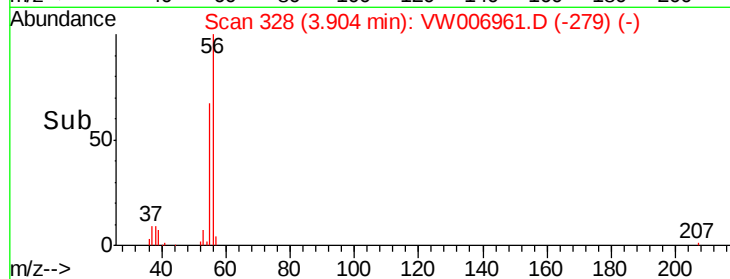
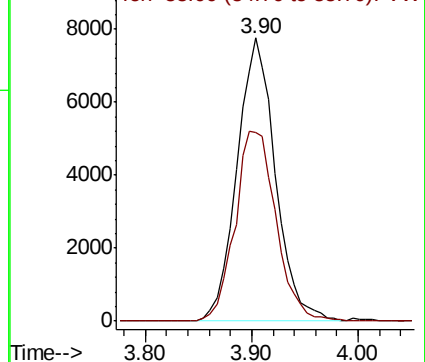
56 100

55 71.6 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 45.511 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

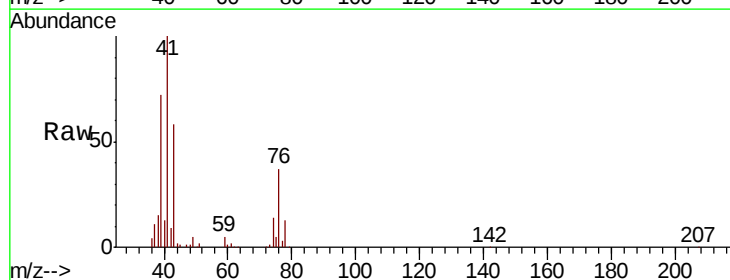
Tgt Ion: 41 Resp: 71269

Ion Ratio Lower Upper

41 100

39 68.9 55.0 82.4

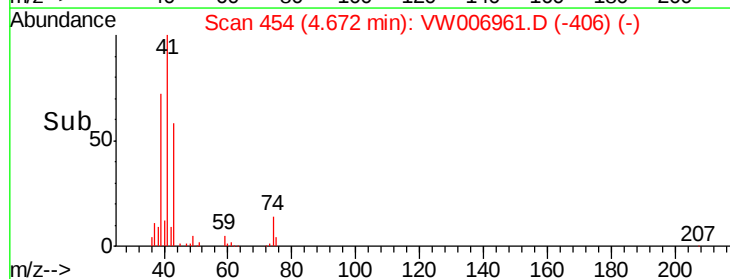
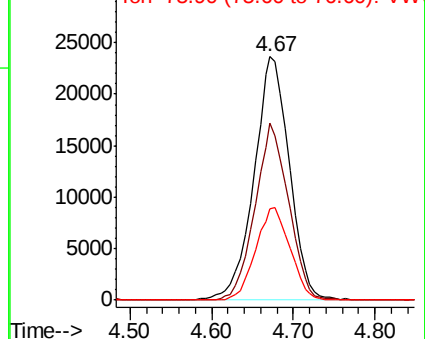
76 36.8 28.0 42.0

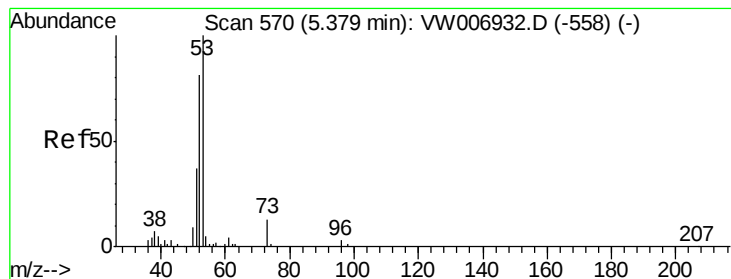


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 267.718 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MS

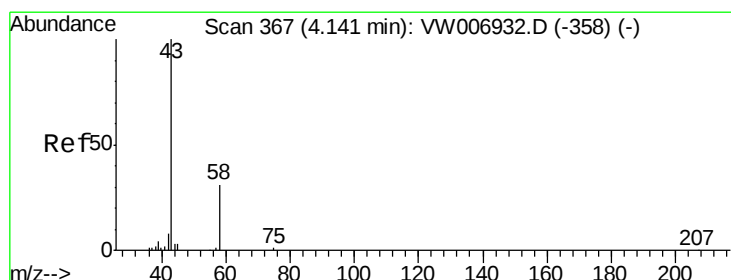
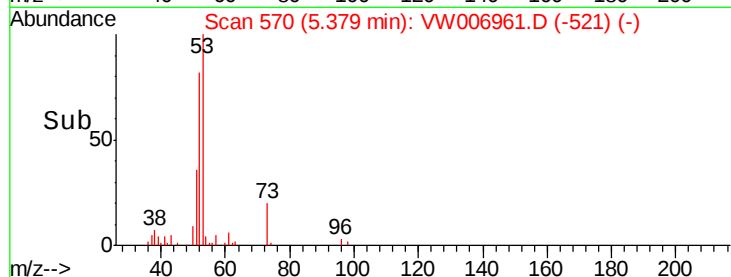
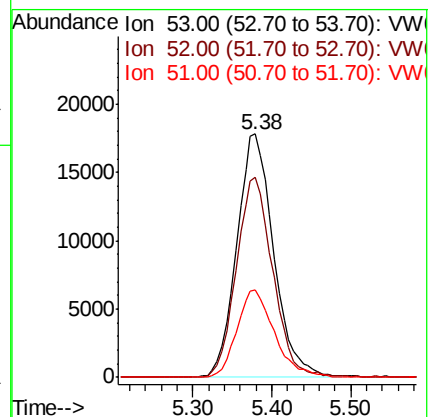
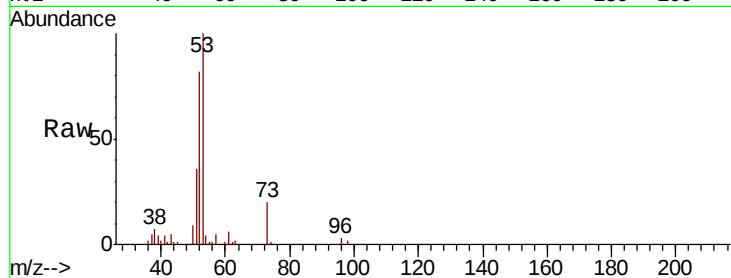
Tot Ion: 53 Resp: 57930

Ion	Ratio	Lower	Upper
53	100		
52	81.2	67.0	100.6
51	36.4	29.8	44.6

53 100

52 81.2 67.0 100.6

51 36.4 29.8 44.6



#16

Acetone

Concen: 236.363 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW006961.D

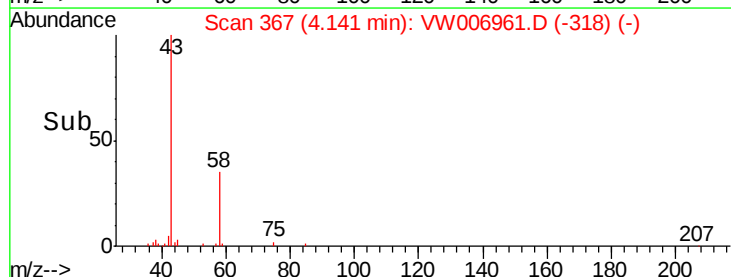
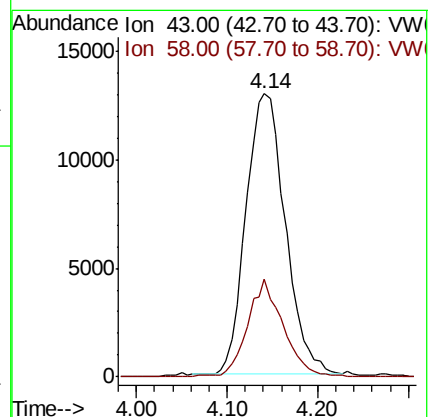
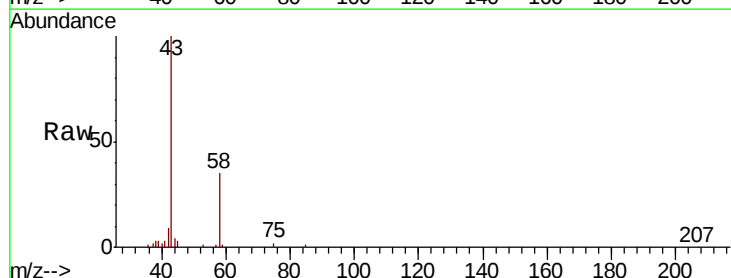
Acq: 19 Nov 2018 23:32

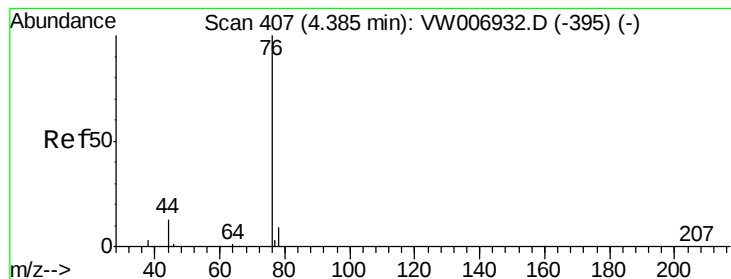
Tgt Ion: 43 Resp: 38929

Ion	Ratio	Lower	Upper
43	100		
58	35.1	24.2	36.4

43 100

58 35.1 24.2 36.4





#17

Carbon Disulfide

Concen: 42.932 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

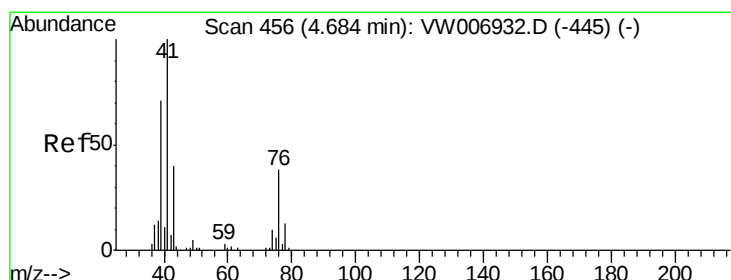
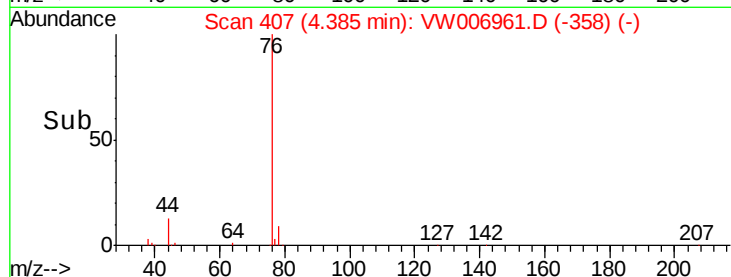
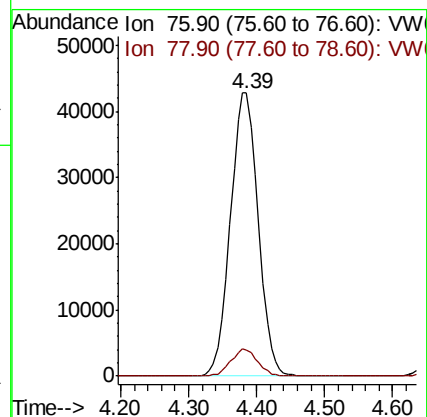
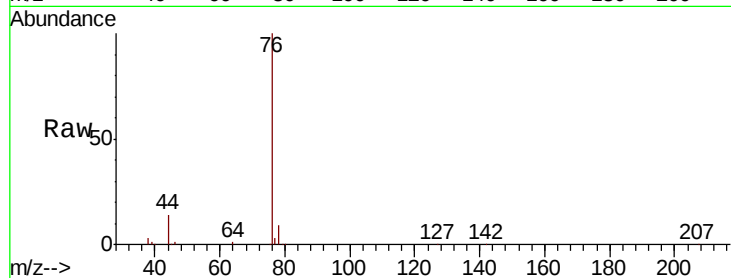
MMTW-03(8-10)MS

Tot Ion: 76 Resp: 120904

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



#18

Methyl Acetate

Concen: 73.221 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006961.D

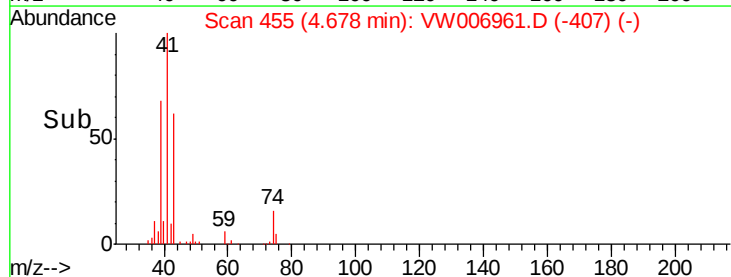
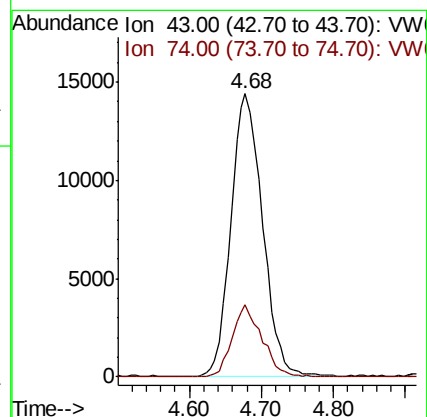
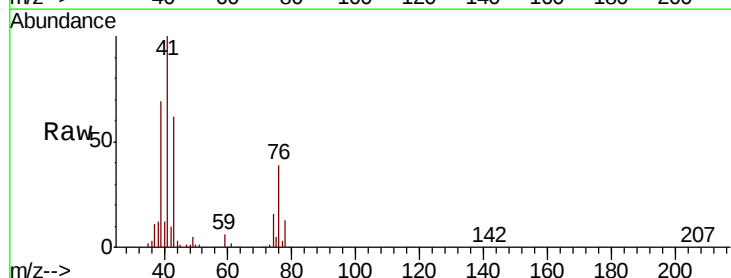
Acq: 19 Nov 2018 23:32

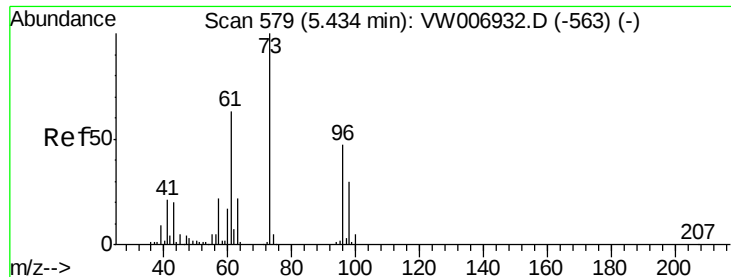
Tgt Ion: 43 Resp: 44132

Ion Ratio Lower Upper

43 100

74 23.7 20.3 30.5

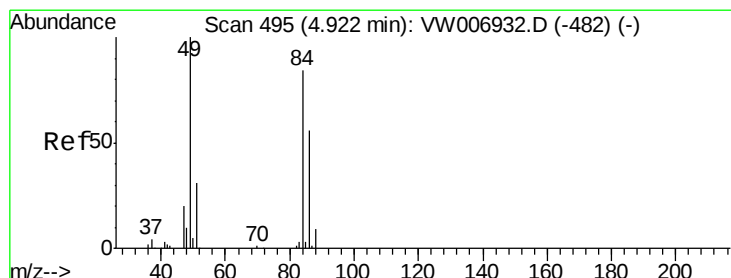
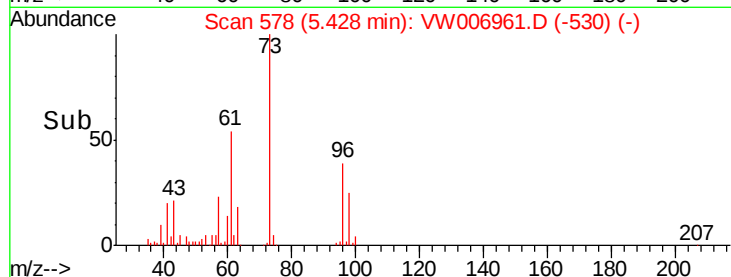
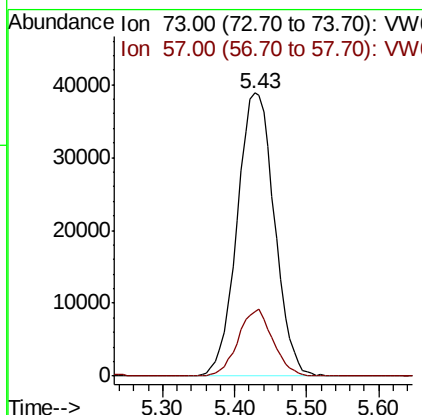
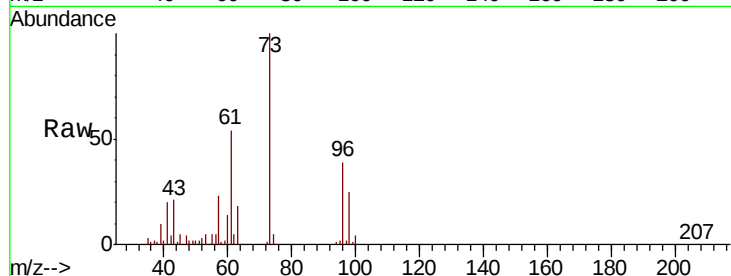




#19
Methyl tert-butyl Ether
Concen: 53.479 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

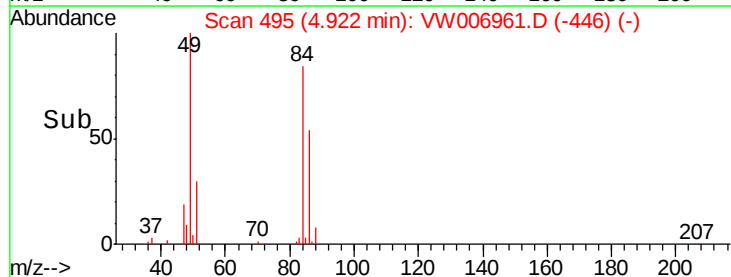
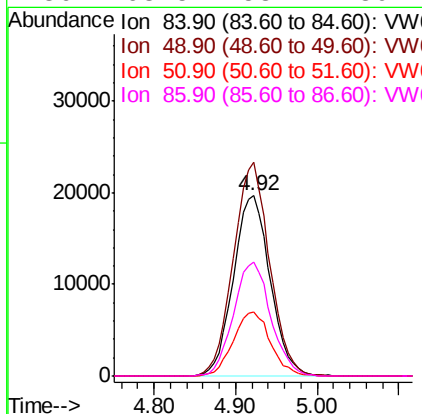
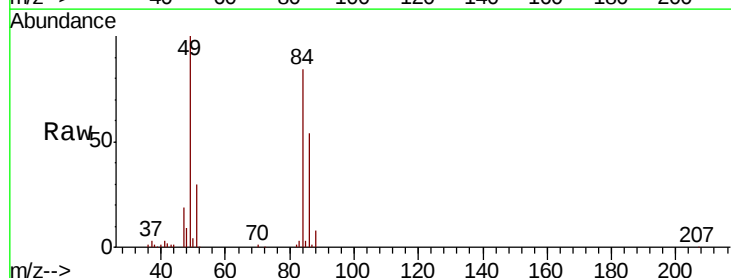
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

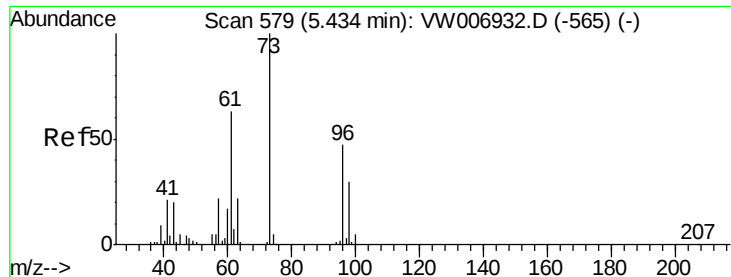
Tot Ion: 73 Resp: 139555
Ion Ratio Lower Upper
73 100
57 22.6 17.5 26.3



#20
Methylene Chloride
Concen: 54.356 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion: 84 Resp: 61322
Ion Ratio Lower Upper
84 100
49 118.5 95.4 143.2
51 35.7 29.5 44.3
86 63.5 53.4 80.2





#21

trans-1,2-Dichloroethene

Concen: 41.635 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MS

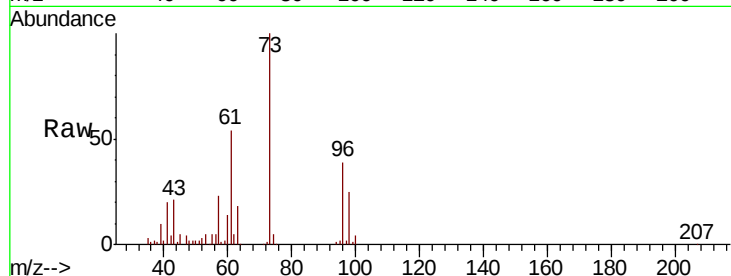
Tot Ion: 96 Resp: 44211

Ion Ratio Lower Upper

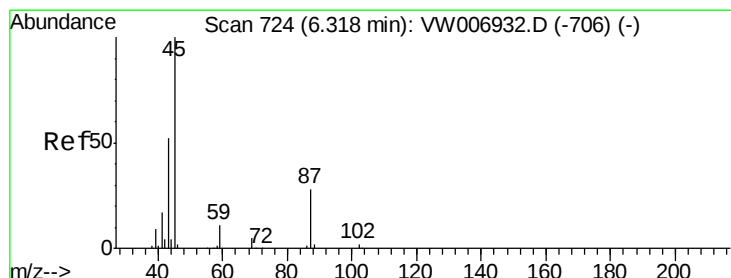
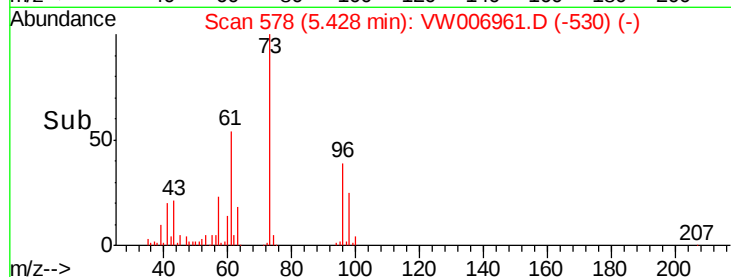
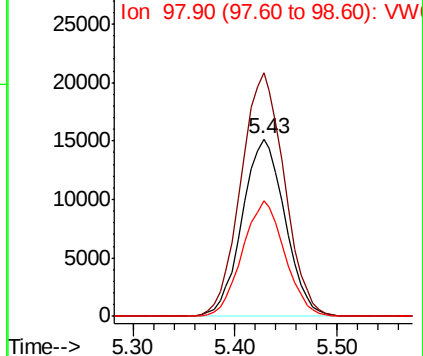
96 100

61 137.5 108.2 162.4

98 65.0 50.6 76.0



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



#22

Diisopropyl ether

Concen: 49.734 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Tgt Ion: 45 Resp: 158968

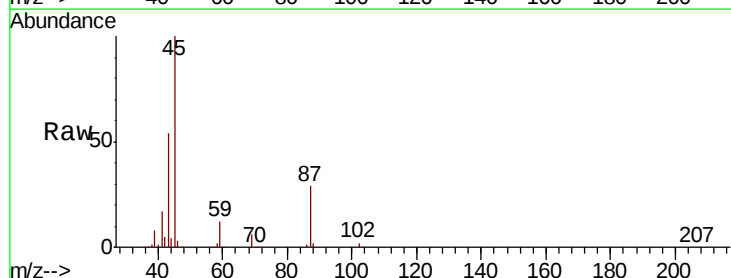
Ion Ratio Lower Upper

45 100

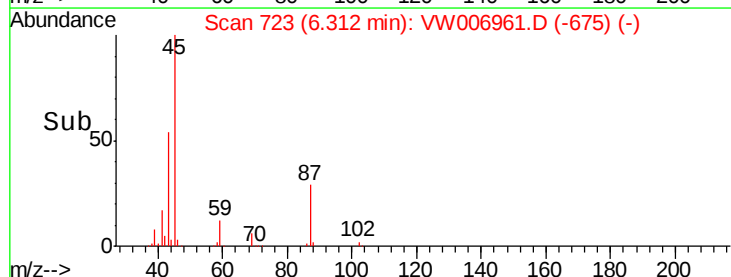
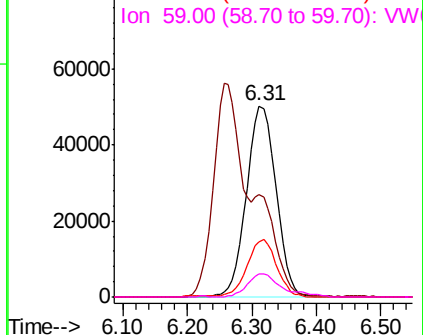
43 53.1 43.1 64.7

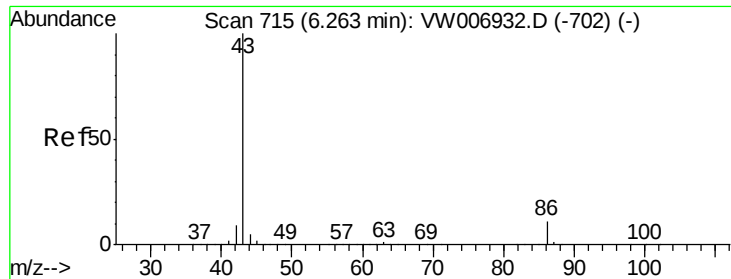
87 29.0 22.7 34.1

59 12.0 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 98.476 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

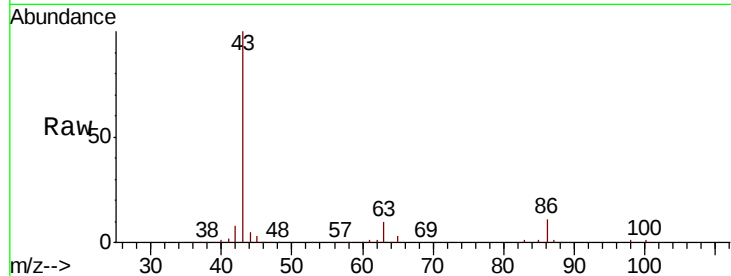
MMTW-03(8-10)MS

Tot Ion: 43 Resp: 174303

Ion Ratio Lower Upper

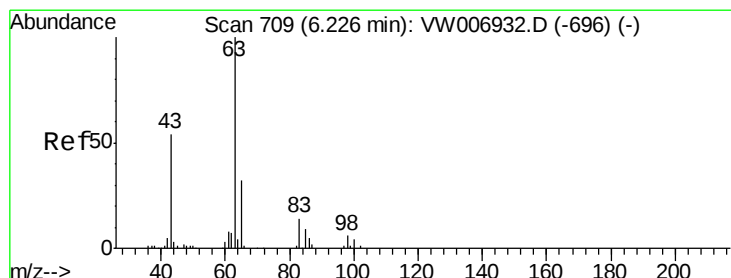
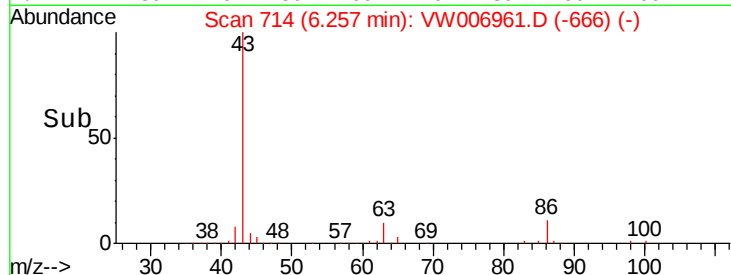
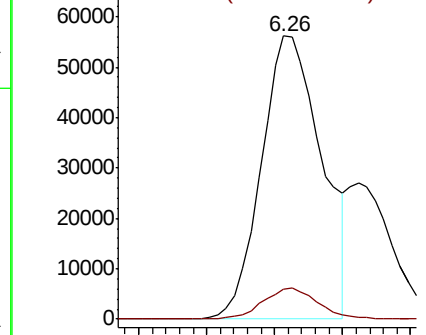
43 100

86 10.5 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 48.445 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

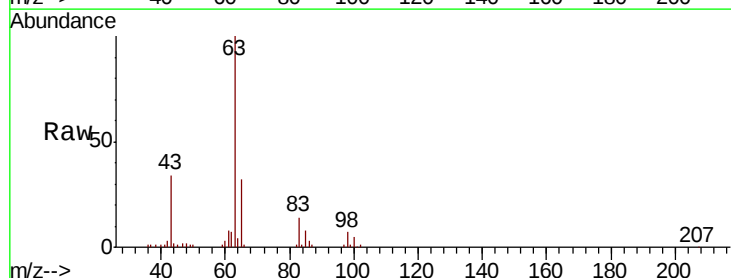
Tgt Ion: 63 Resp: 89165

Ion Ratio Lower Upper

63 100

98 6.5 3.2 9.6

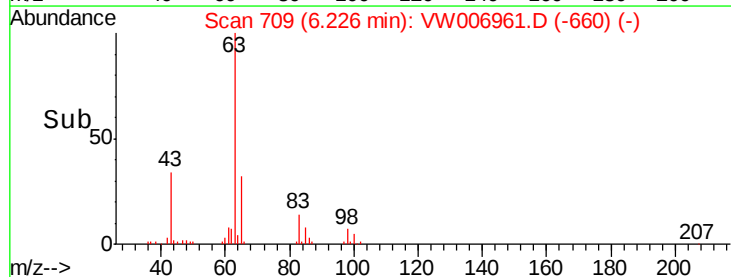
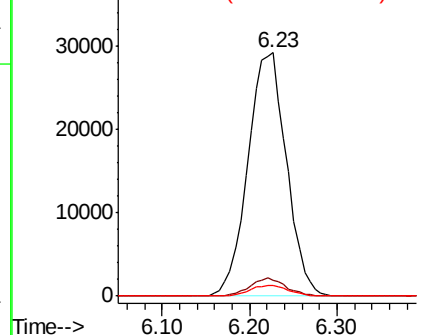
100 4.6 2.1 6.5

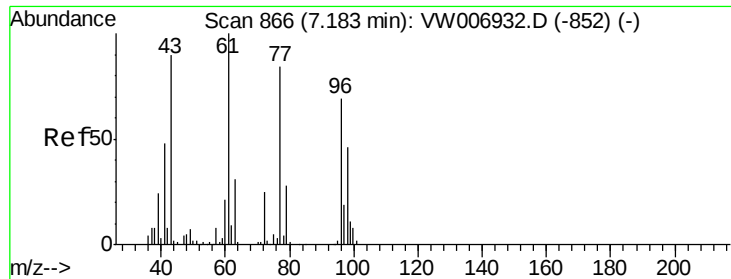


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 256.725 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

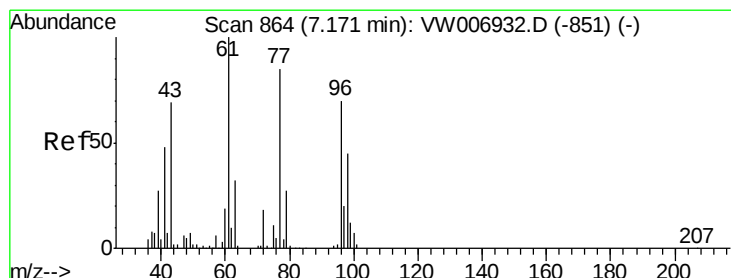
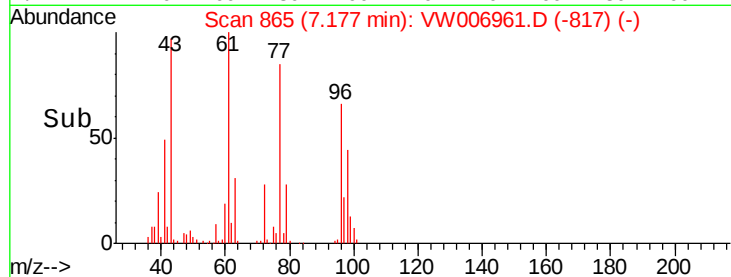
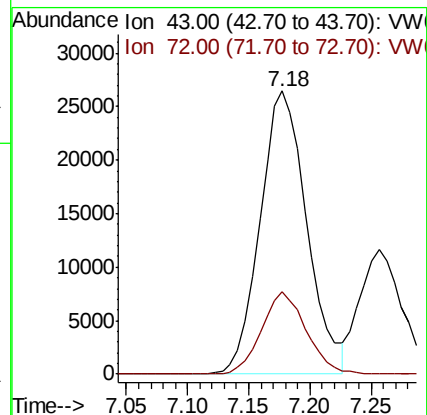
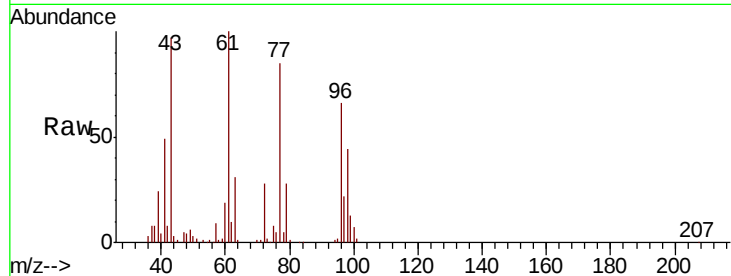
MMTW-03(8-10)MS

Tot Ion: 43 Resp: 70222

Ion Ratio Lower Upper

43 100

72 28.9 22.1 33.1



#26

2,2-Dichloropropane

Concen: 45.928 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006961.D

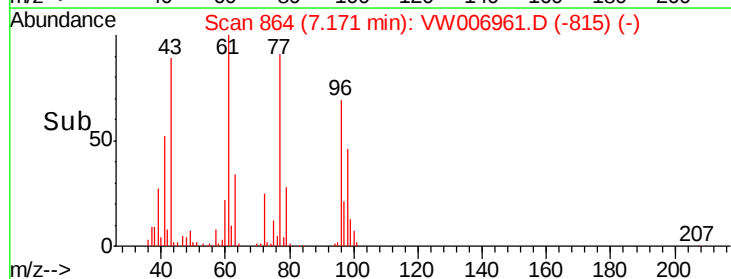
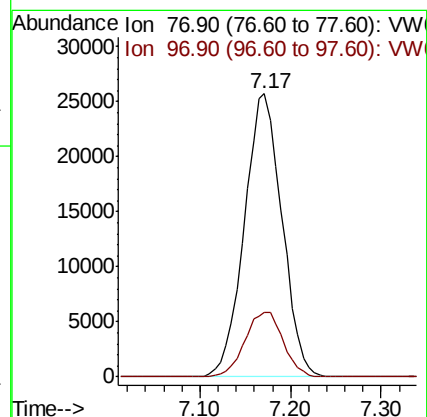
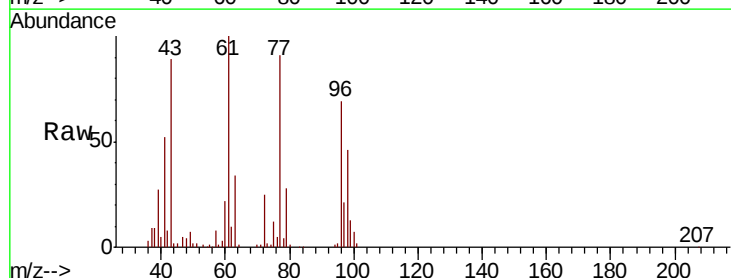
Acq: 19 Nov 2018 23:32

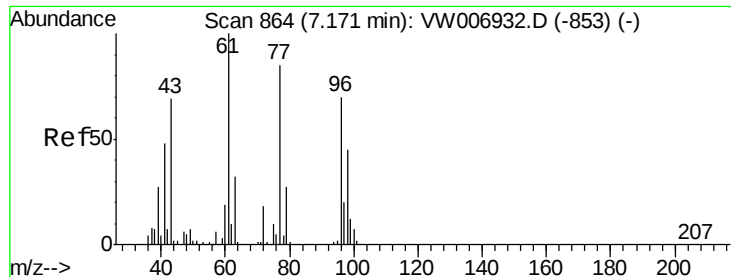
Tgt Ion: 77 Resp: 73757

Ion Ratio Lower Upper

77 100

97 23.3 11.3 33.9



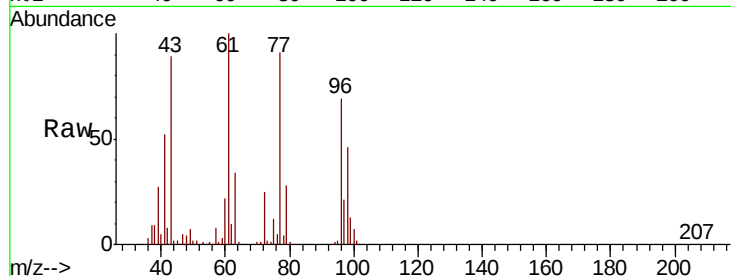


#27

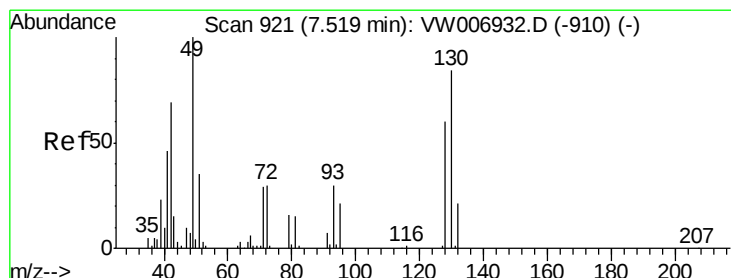
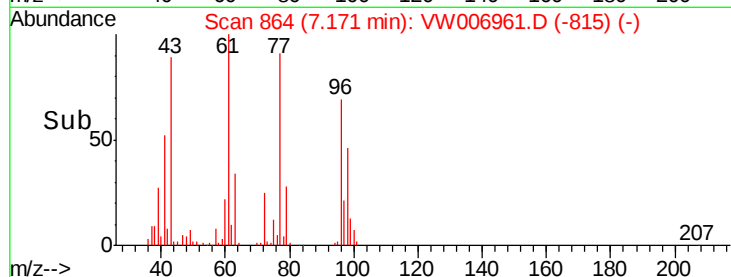
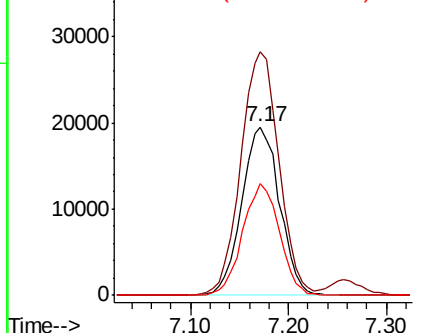
cis-1,2-Dichloroethene
Concen: 44.434 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.3	0.0	293.8
98	64.4	0.0	131.0



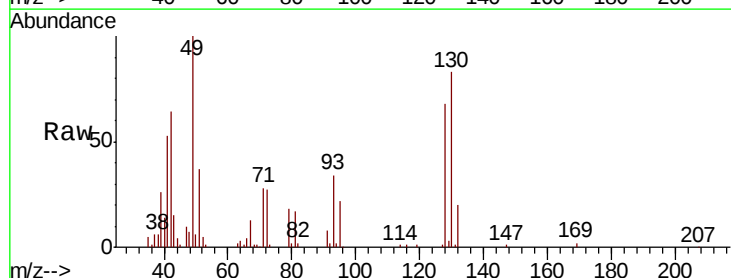
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



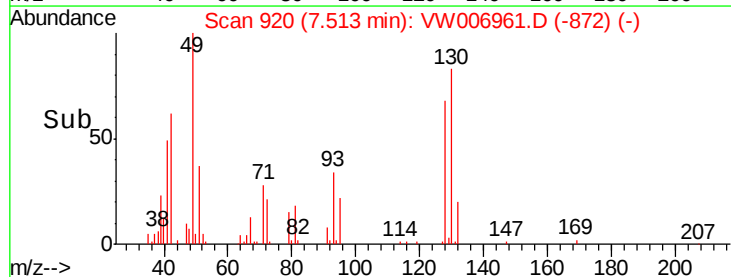
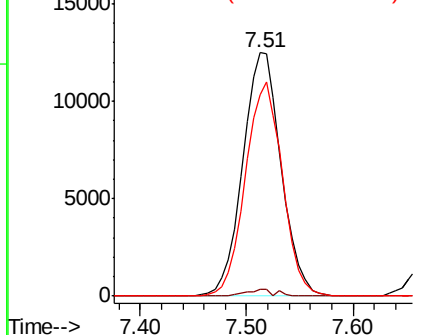
#28

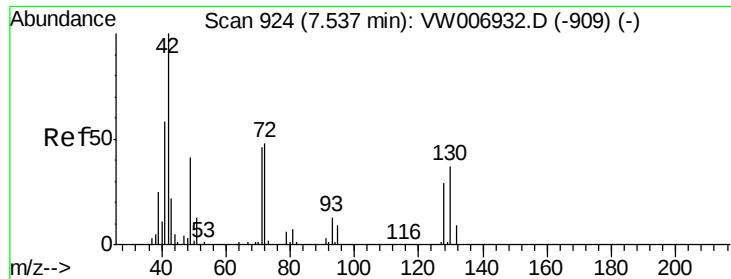
Bromochloromethane
Concen: 46.758 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	1.6#
130	84.9	66.1	99.1



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

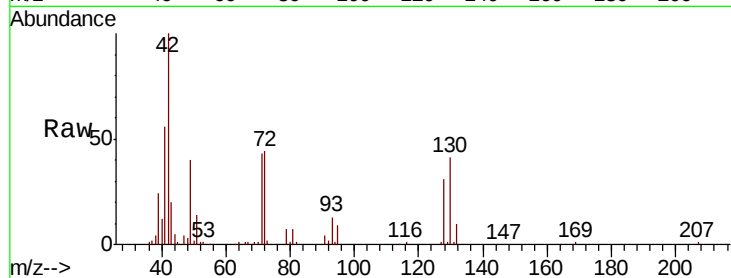




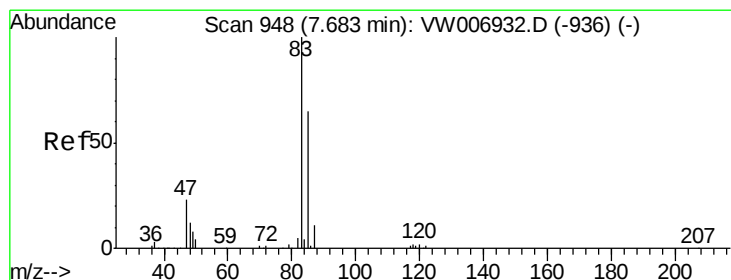
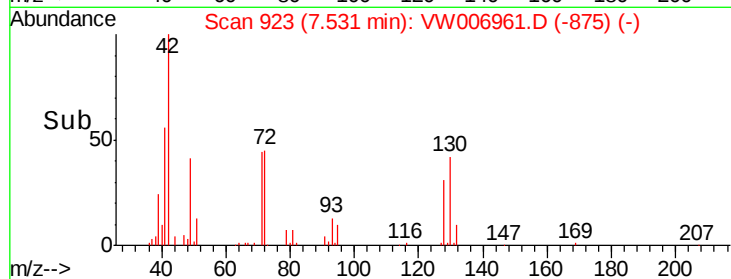
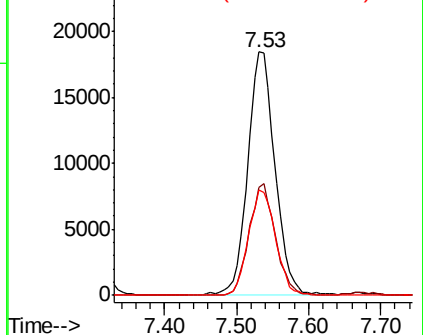
#29
Tetrahydrofuran
Concen: 274.320 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

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

Tot Ion: 42 Resp: 48797
Ion Ratio Lower Upper
42 100
72 43.8 35.7 53.5
71 42.7 33.7 50.5

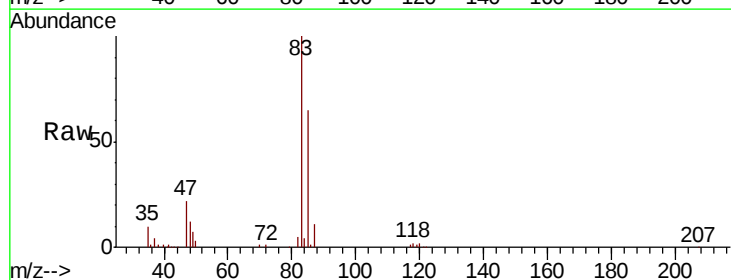


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

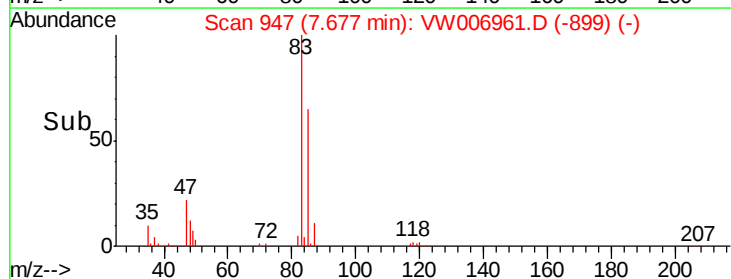
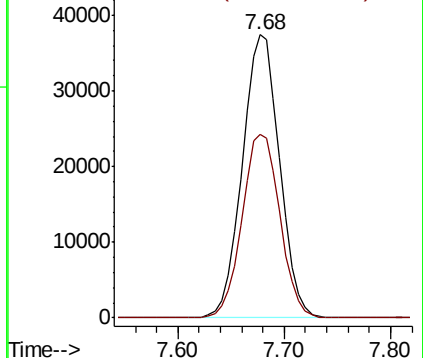


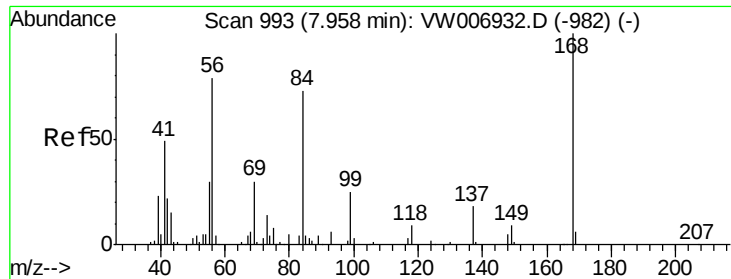
#30
Chloroform
Concen: 45.467 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion: 83 Resp: 91745
Ion Ratio Lower Upper
83 100
85 64.9 52.2 78.4



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

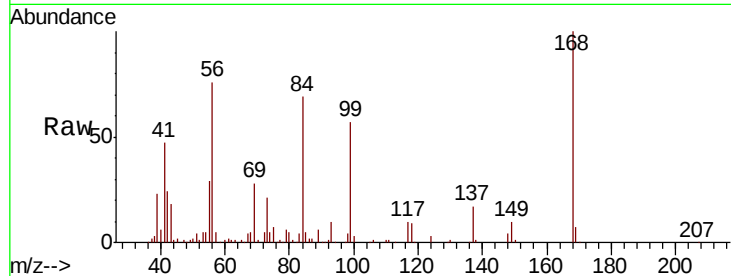




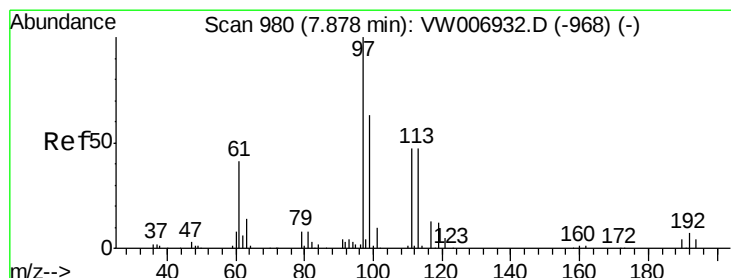
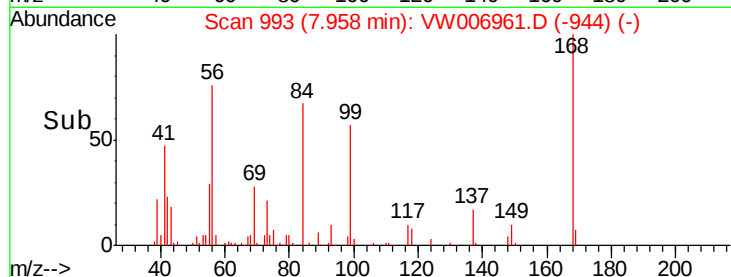
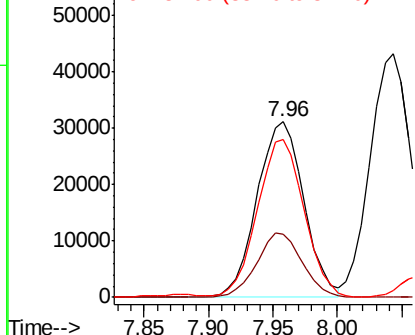
#31
Cyclohexane
Concen: 42.514 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

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

Tot Ion: 56 Resp: 78392
Ion Ratio Lower Upper
56 100
69 36.2 30.2 45.2
84 88.6 73.6 110.4

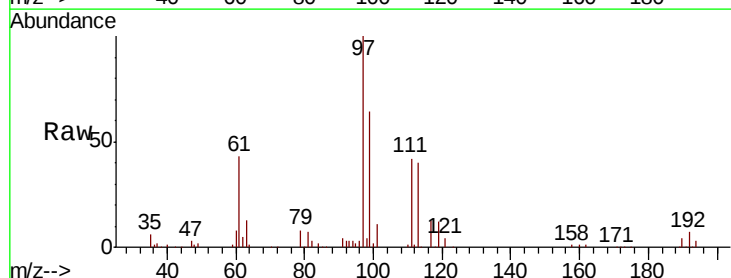


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

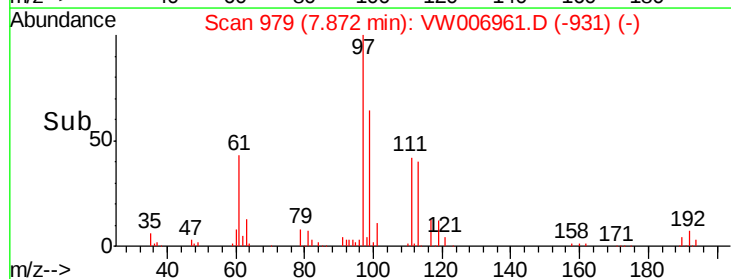
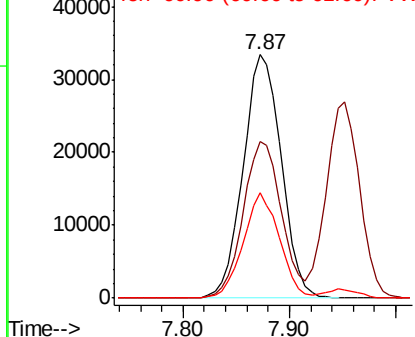


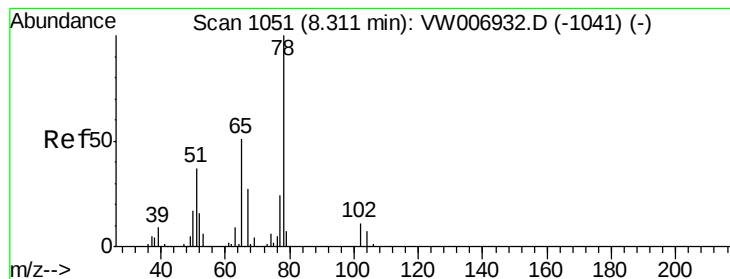
#32
1,1,1-Trichloroethane
Concen: 48.376 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion: 97 Resp: 84035
Ion Ratio Lower Upper
97 100
99 64.8 51.0 76.6
61 41.1 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: 49.322 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

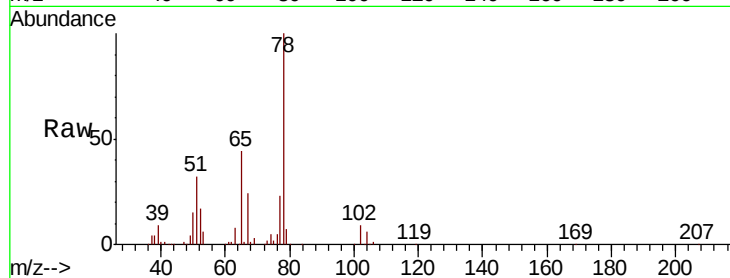
MMTW-03(8-10)MS

Tot Ion: 65 Resp: 53108

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

25000

20000

15000

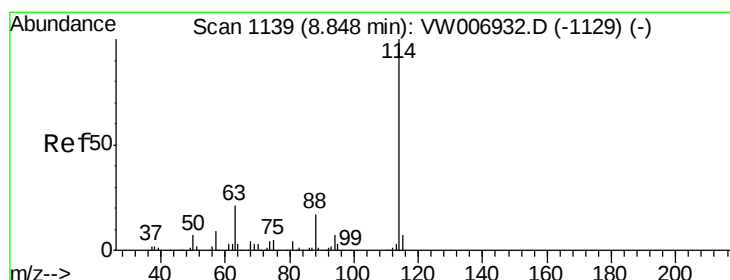
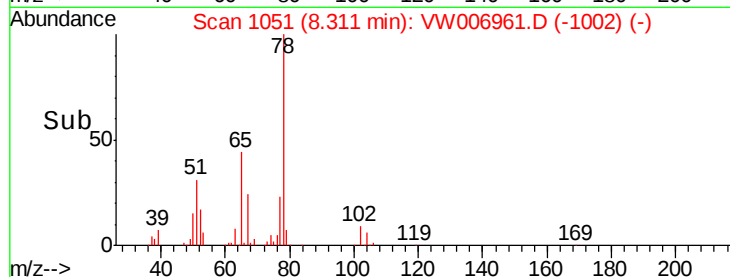
10000

5000

0

8.20 8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

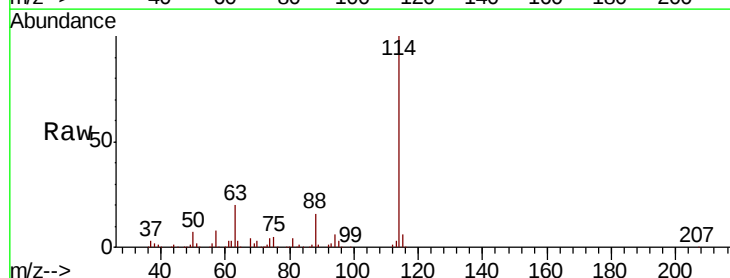
Tgt Ion: 114 Resp: 150111

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.2

88 15.9 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.85

100000

80000

60000

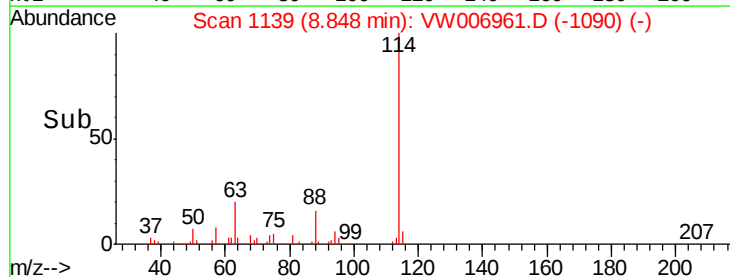
40000

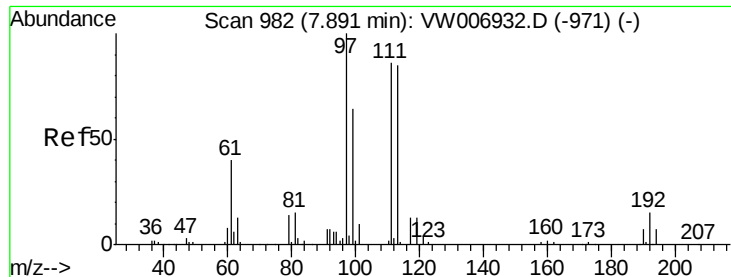
20000

0

8.80 8.90

Time-->

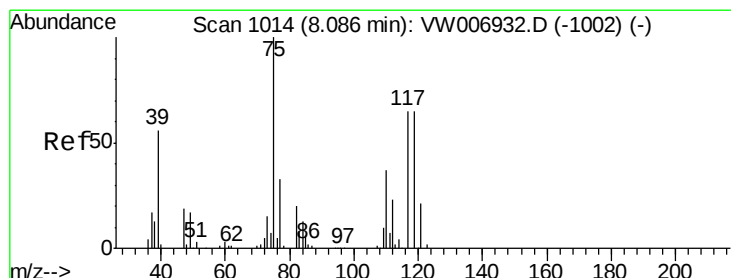
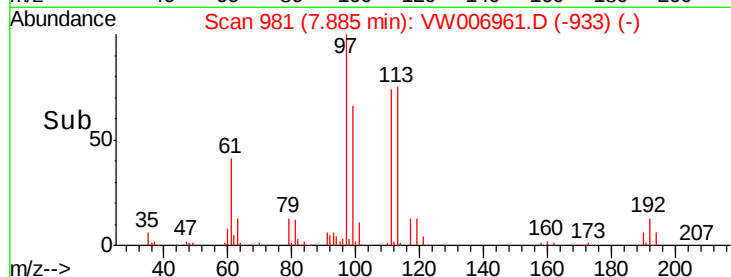
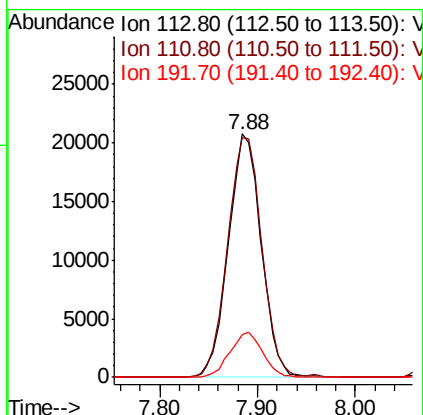
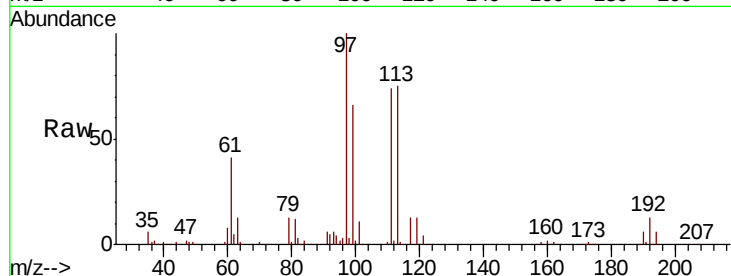




#35
 Dibromofluoromethane
 Concen: 54.998 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

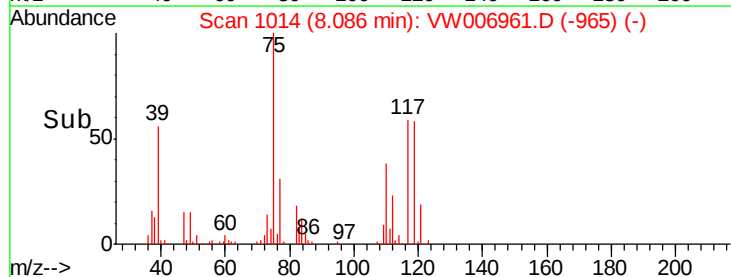
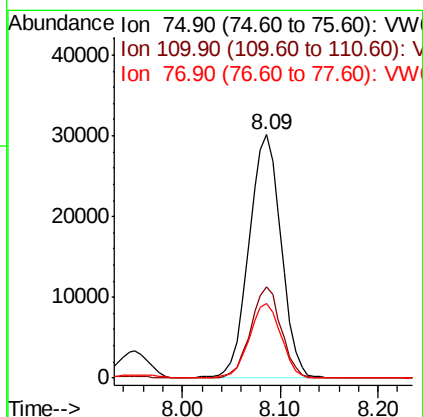
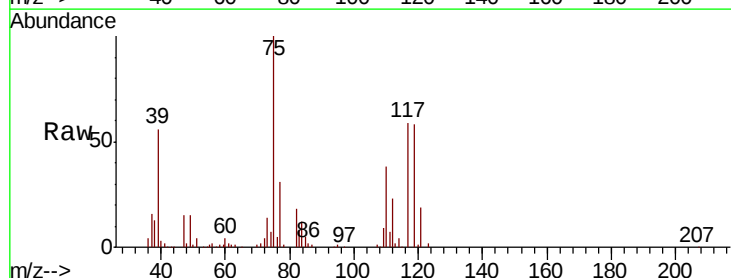
Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MS

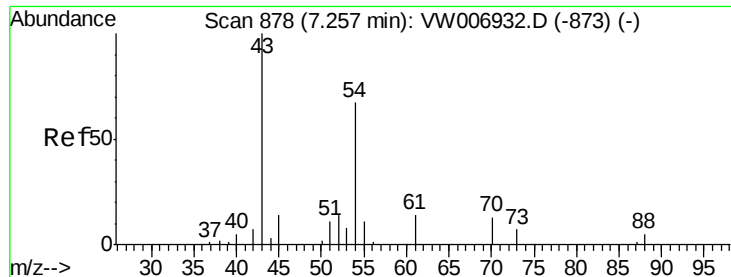
Tot Ion:113 Resp: 48340
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.7 122.5
 192 18.4 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 48.229 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Tgt Ion: 75 Resp: 68970
 Ion Ratio Lower Upper
 75 100
 110 35.6 18.1 54.1
 77 30.4 25.4 38.0

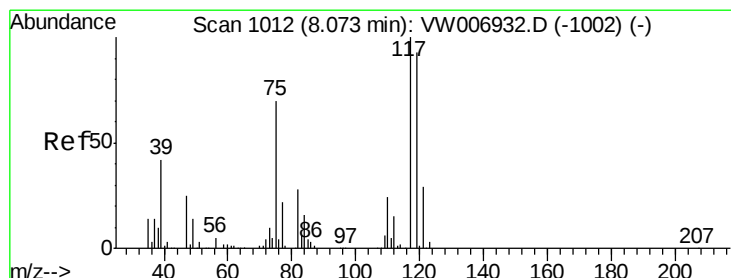
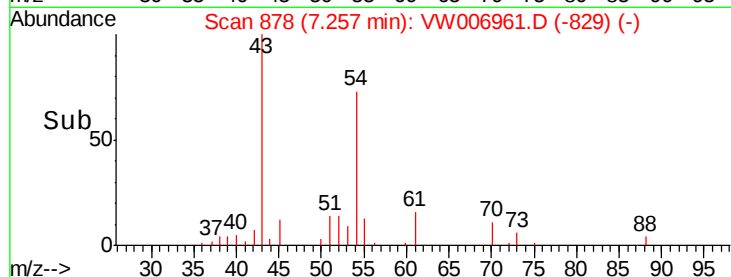
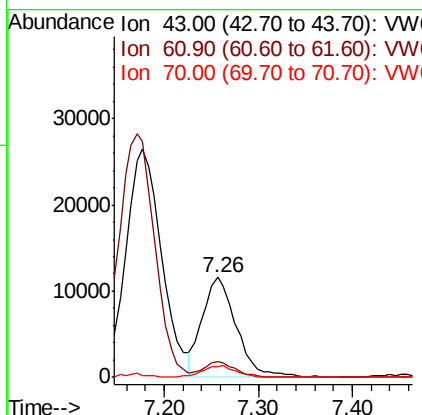
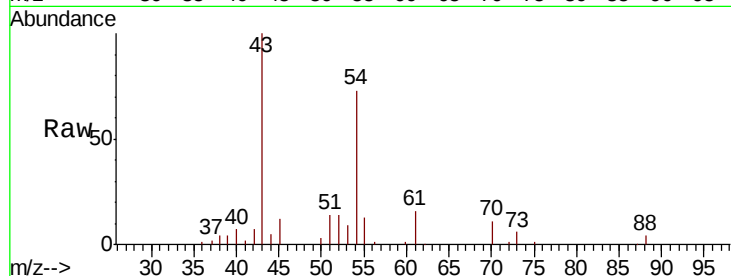




#37
Ethyl Acetate
Concen: 47.991 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

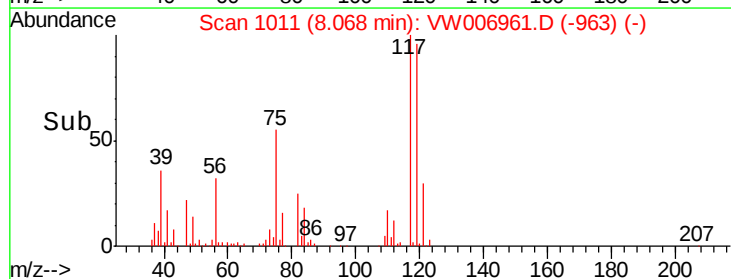
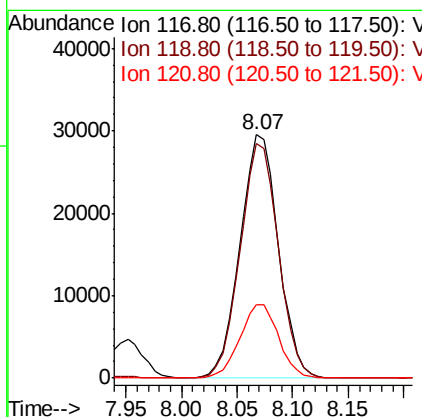
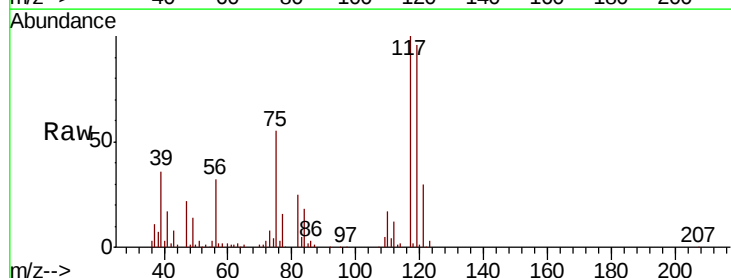
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

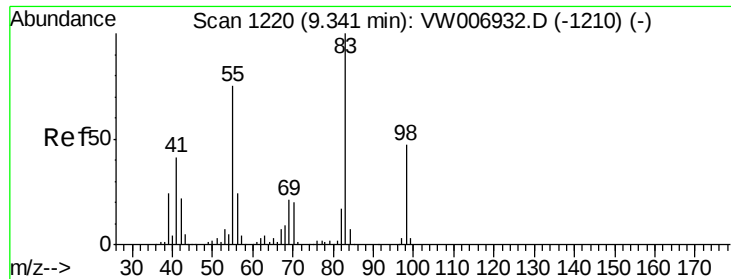
Tot Ion: 43 Resp: 29180
Ion Ratio Lower Upper
43 100
61 14.6 11.0 16.6
70 11.5 8.8 13.2



#38
Carbon Tetrachloride
Concen: 50.363 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion: 117 Resp: 70781
Ion Ratio Lower Upper
117 100
119 96.4 74.2 111.4
121 30.2 23.5 35.3

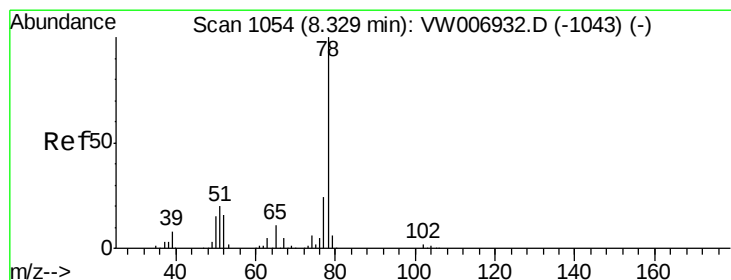
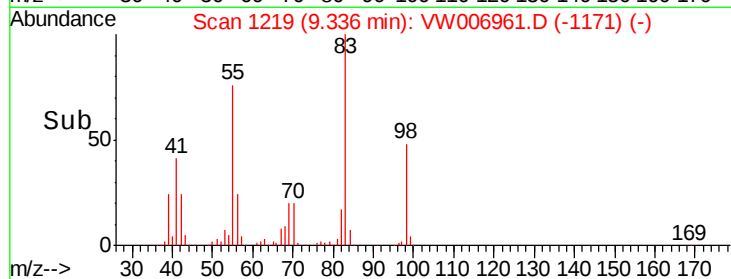
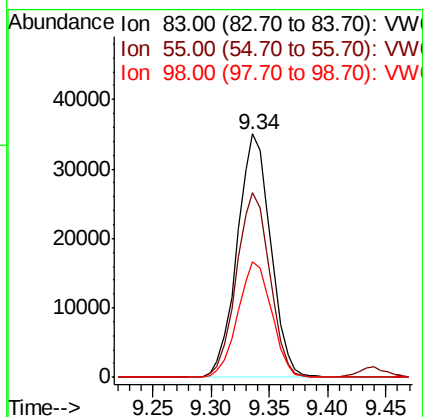
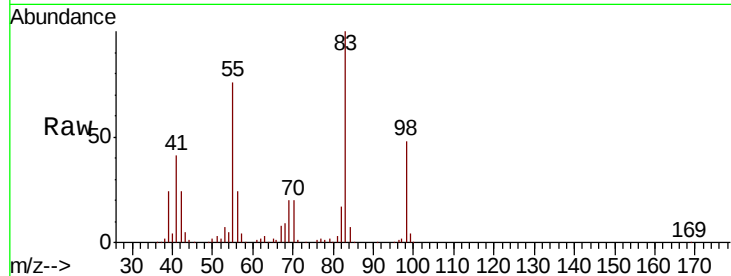




#39
Methvlcvclohexane
Concen: 39.493 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

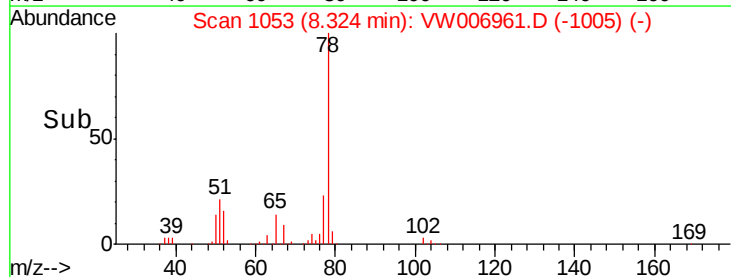
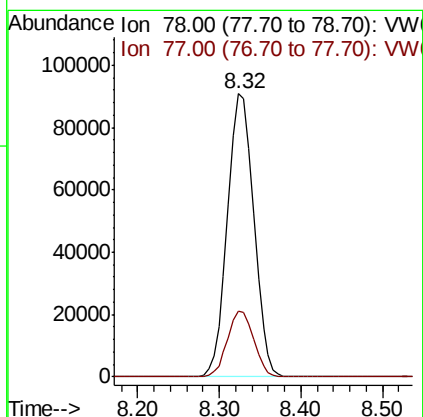
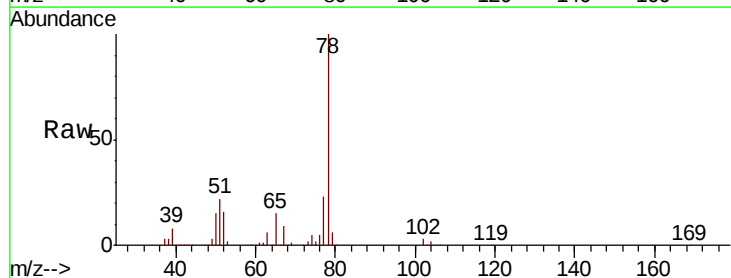
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

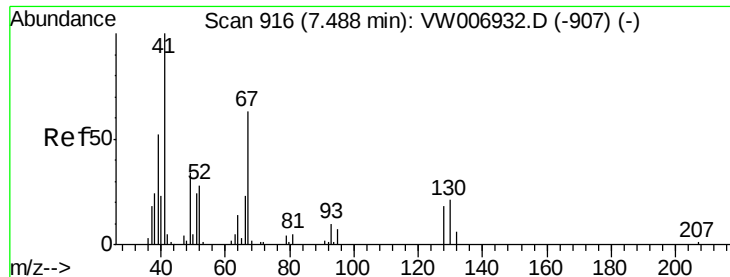
Tot Ion: 83 Resp: 70091
Ion Ratio Lower Upper
83 100
55 75.9 60.2 90.4
98 47.7 37.3 55.9



#40
Benzene
Concen: 50.294 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion: 78 Resp: 203270
Ion Ratio Lower Upper
78 100
77 23.5 19.3 28.9

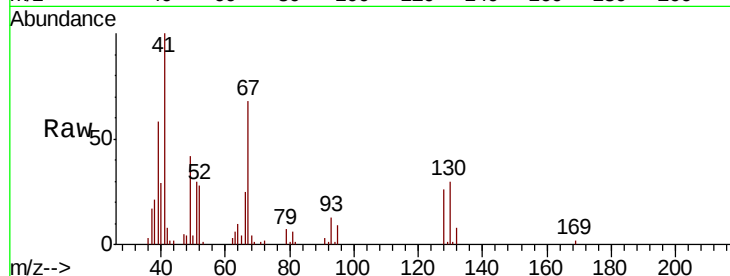




#41
Methacrylonitrile
Concen: 54.925 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

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

Tot Ion:	41	Resp:	20455
Ion	Ratio	Lower	Upper
41	100		
39	60.2	41.8	62.6
67	69.8	54.7	82.1
52	28.8	23.8	35.8



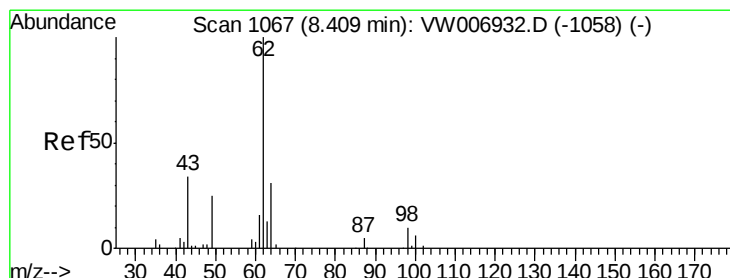
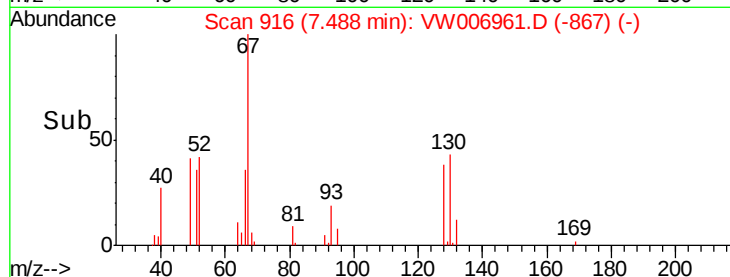
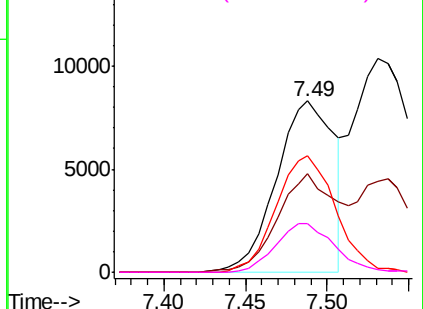
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

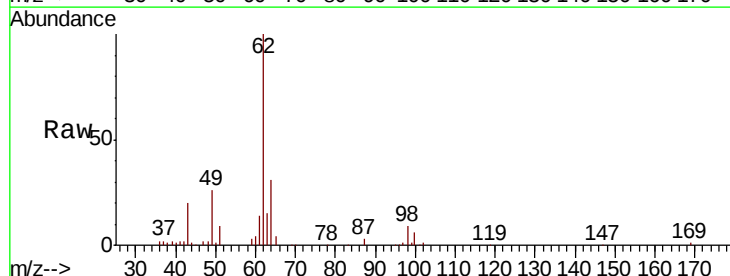
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 51.370 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

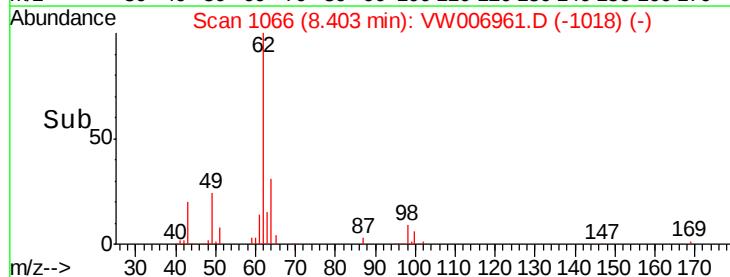
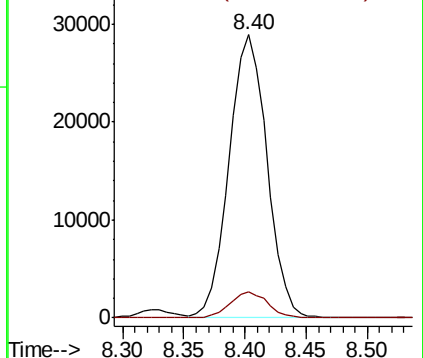
Tgt Ion:	62	Resp:	62154
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

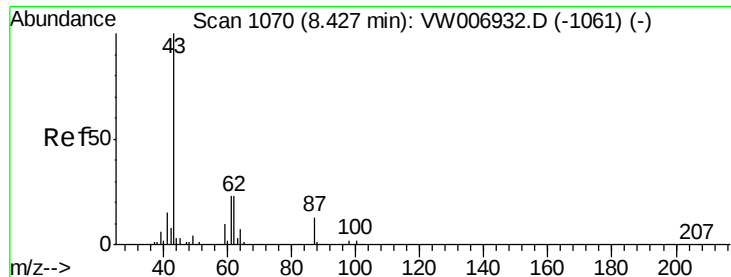


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 51.414 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MS

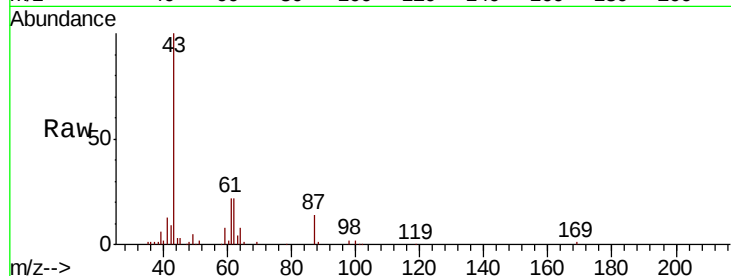
Tot Ion: 43 Resp: 59984

Ion Ratio Lower Upper

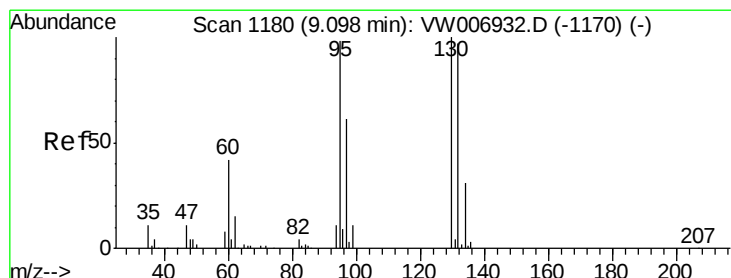
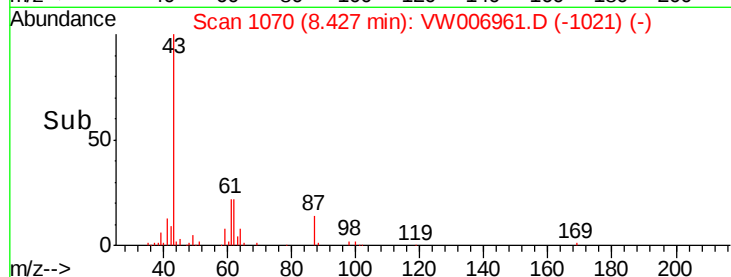
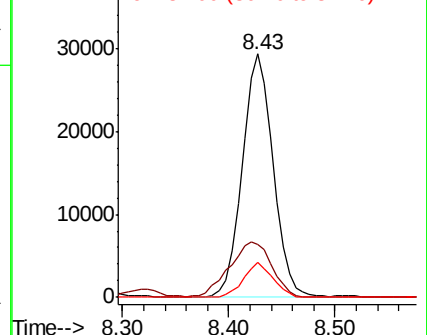
43 100

61 31.1 24.6 37.0

87 13.6 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 48.495 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006961.D

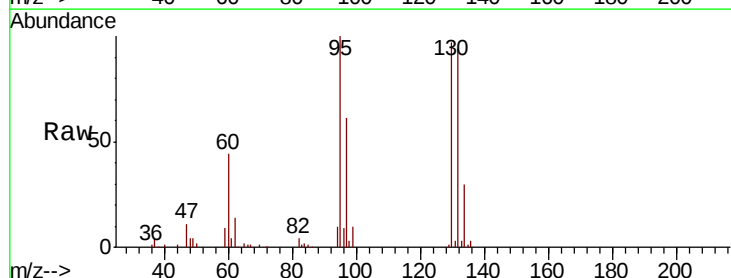
Acq: 19 Nov 2018 23:32

Tgt Ion: 130 Resp: 52700

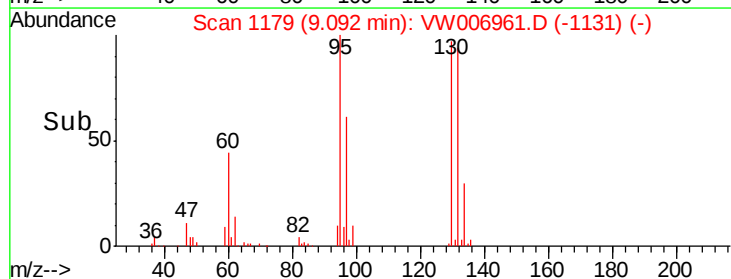
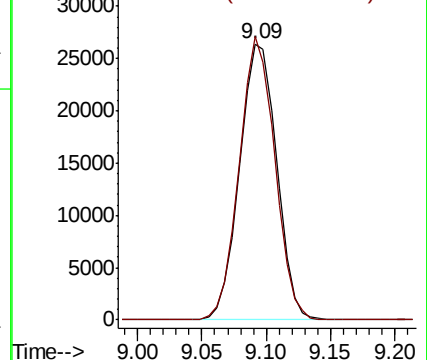
Ion Ratio Lower Upper

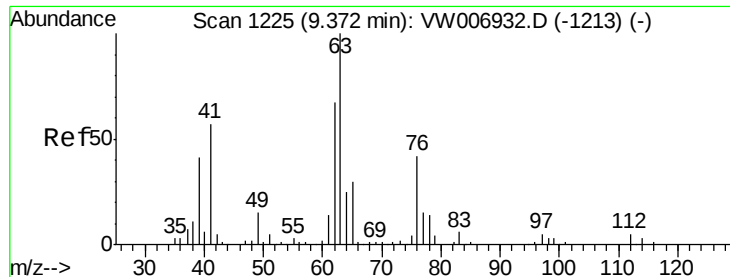
130 100

95 102.6 0.0 196.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

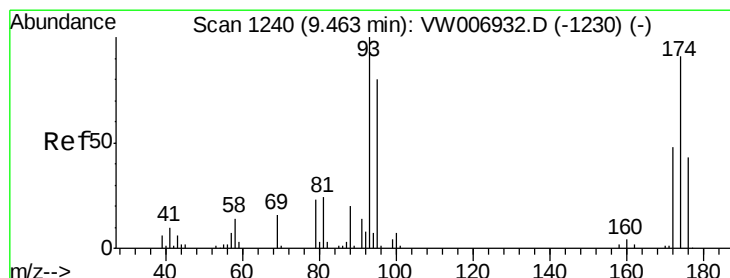
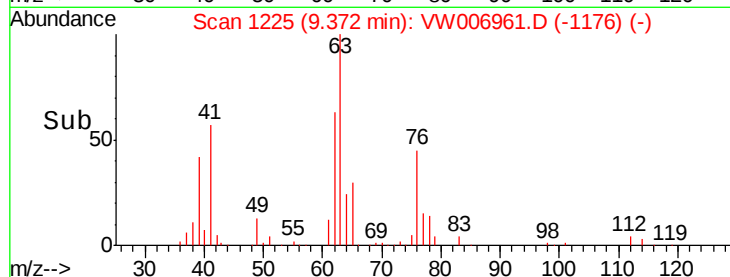
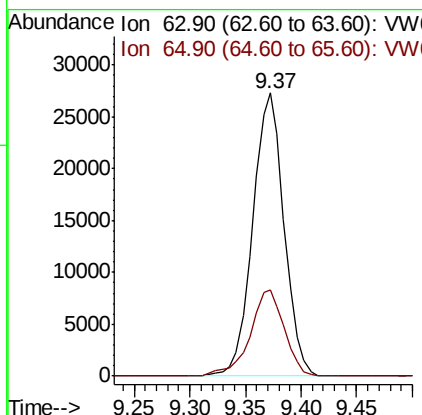
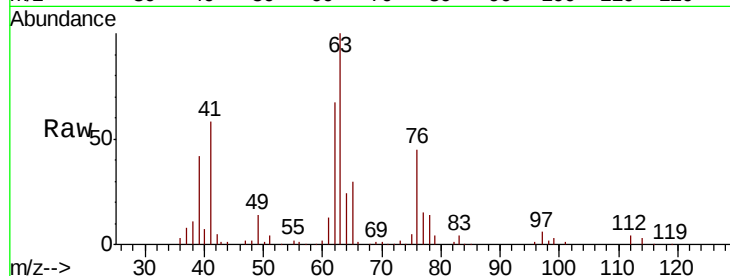




#45
 1,2-Dichloropropane
 Concen: 52.291 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

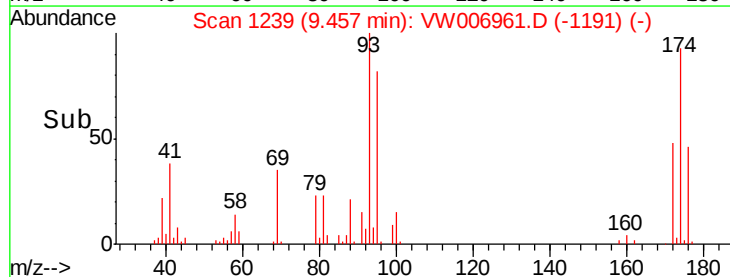
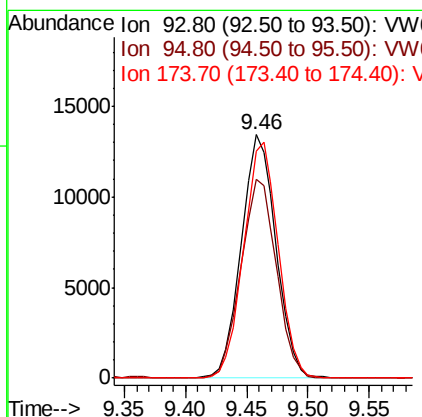
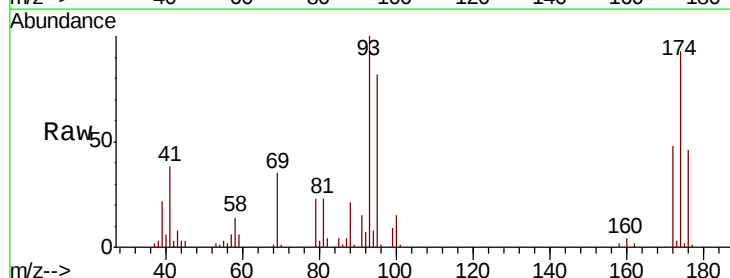
Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MS

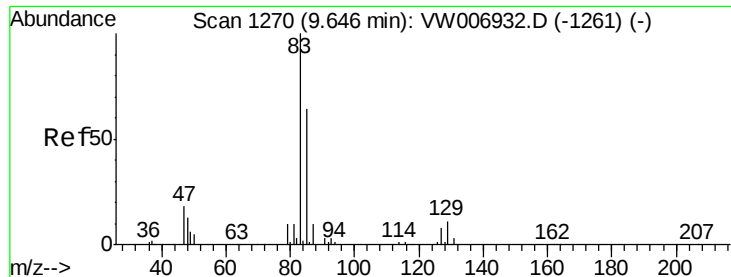
Tot Ion: 63 Resp: 53385
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.9 35.9



#46
 Dibromomethane
 Concen: 51.242 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Tgt Ion: 93 Resp: 26493
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.7 98.5
 174 96.5 75.0 112.4

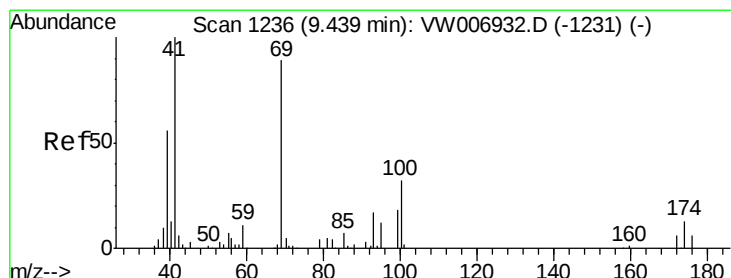
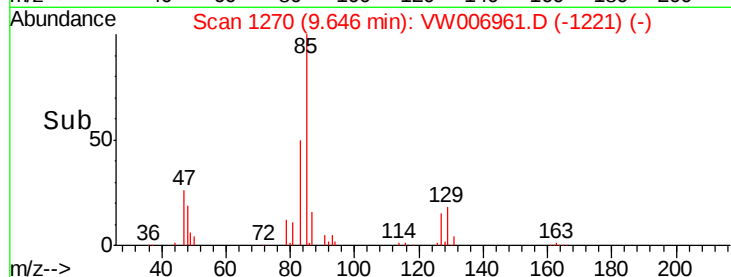
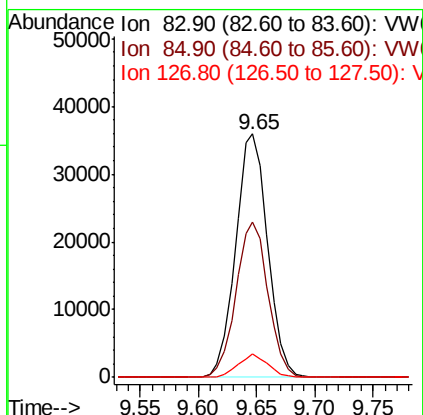
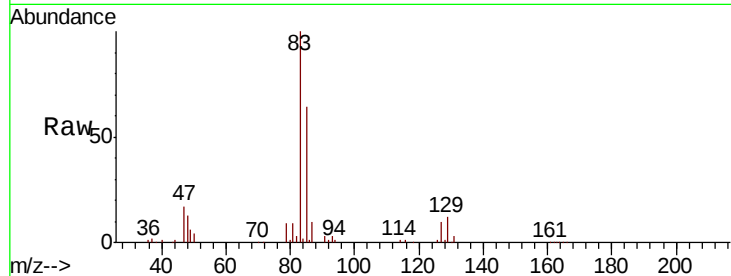




#47
Bromodichloromethane
Concen: 50.392 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

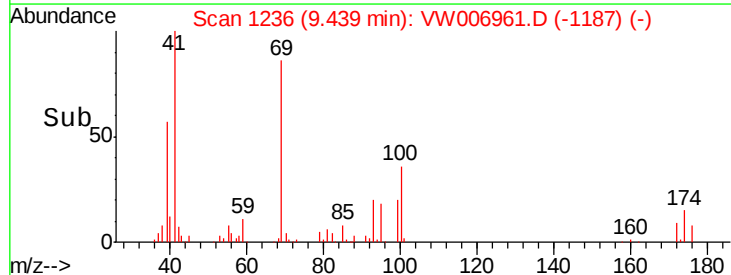
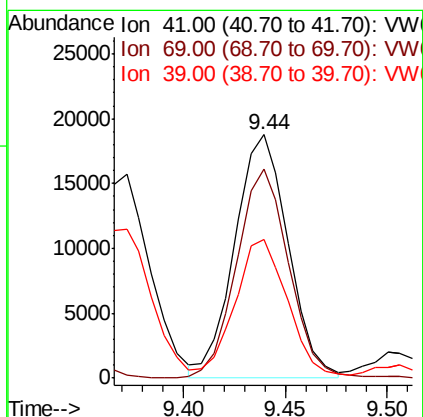
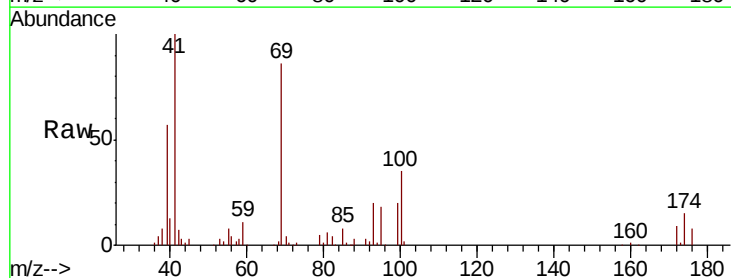
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

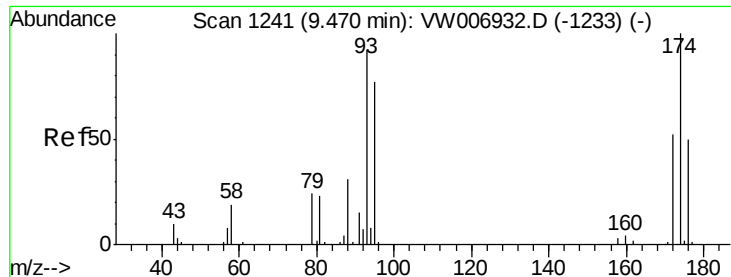
Tot Ion: 83 Resp: 68604
Ion Ratio Lower Upper
83 100
85 64.0 50.8 76.2
127 9.6 6.6 10.0



#48
Methyl methacrylate
Concen: 60.693 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion: 41 Resp: 34169
Ion Ratio Lower Upper
41 100
69 84.3 73.4 110.0
39 56.9 46.1 69.1

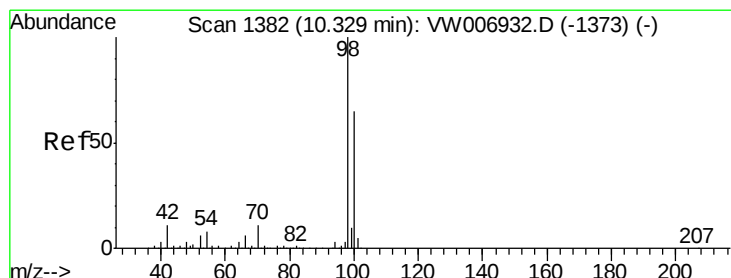
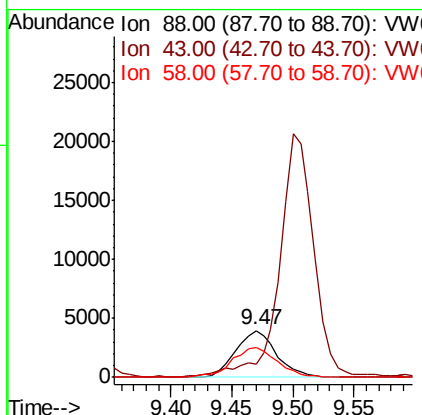
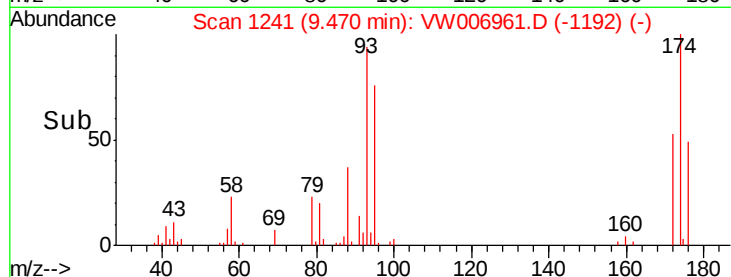
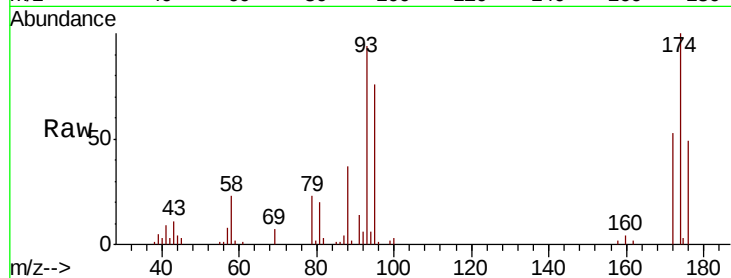




#49
1,4-Dioxane
Concen: 1164.700 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

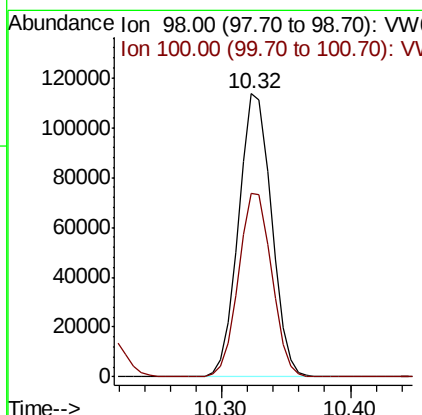
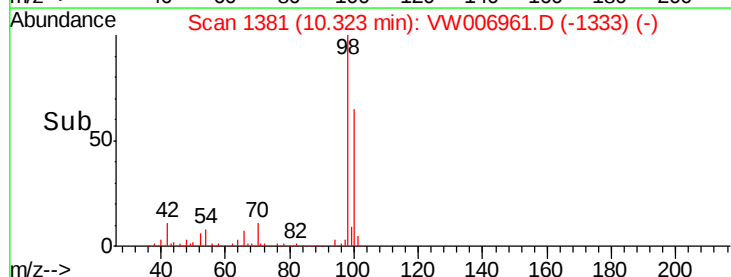
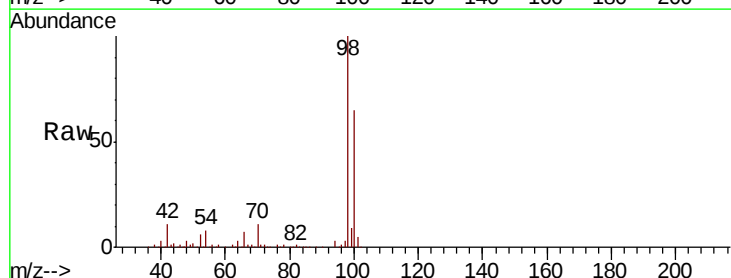
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

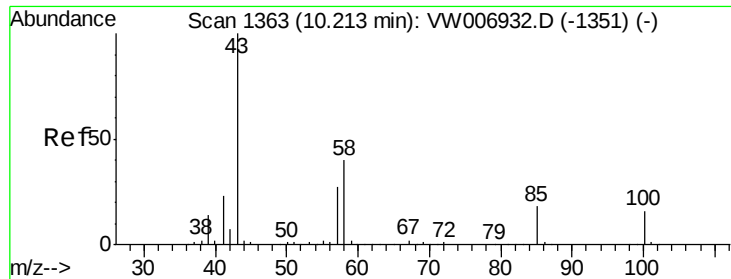
Tot Ion: 88 Resp: 9125
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 72.2 57.4 86.2



#50
Toluene-d8
Concen: 53.354 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion: 98 Resp: 201526
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 290.381 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

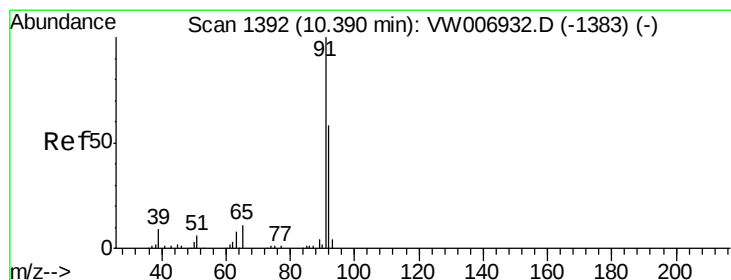
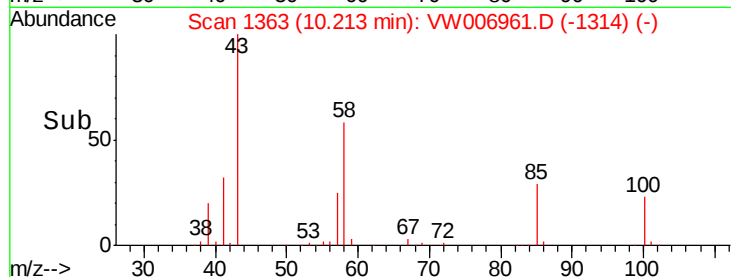
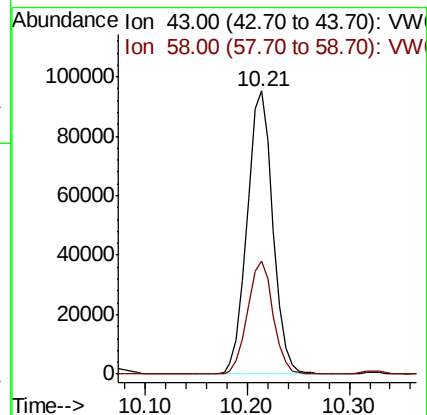
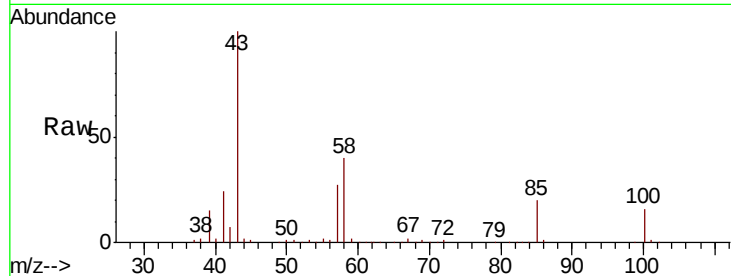
MMTW-03(8-10)MS

Tot Ion: 43 Resp: 166971

Ion Ratio Lower Upper

43 100

58 39.7 31.0 46.4



#52

Toluene

Concen: 50.578 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006961.D

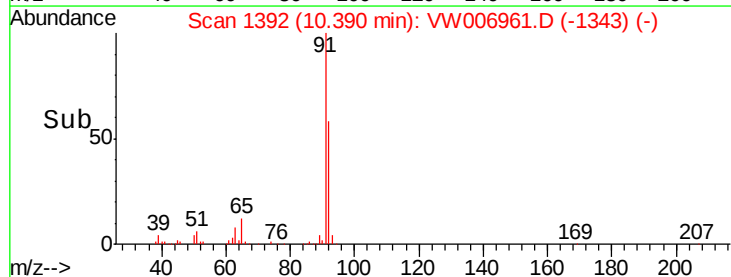
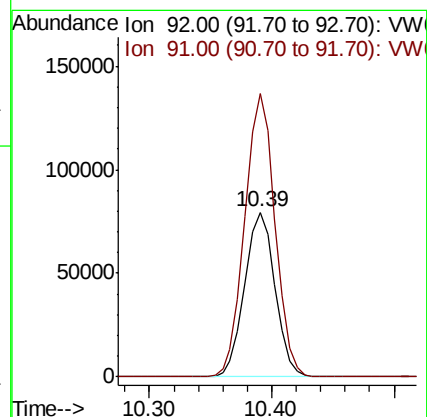
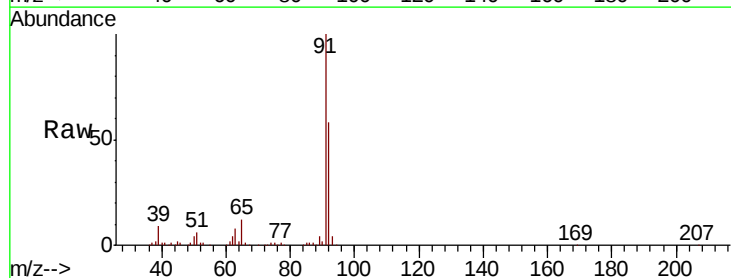
Acq: 19 Nov 2018 23:32

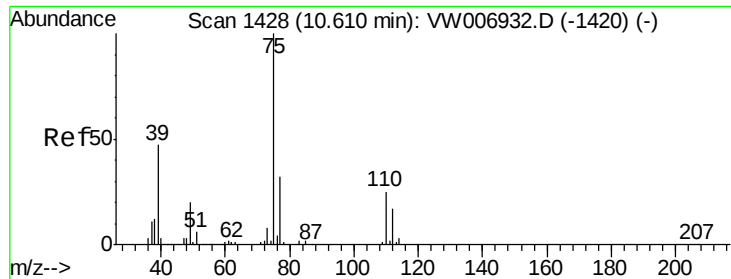
Tgt Ion: 92 Resp: 136758

Ion Ratio Lower Upper

92 100

91 171.8 137.3 205.9

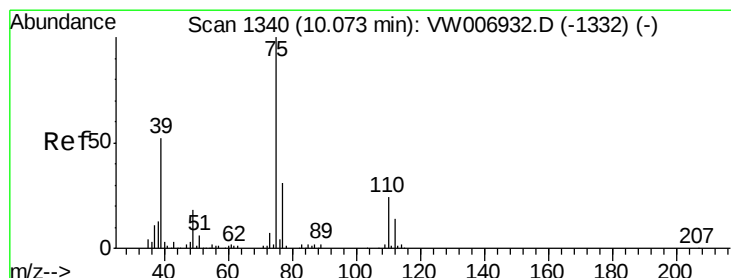
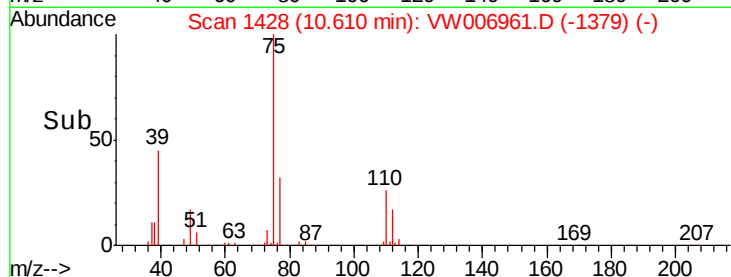
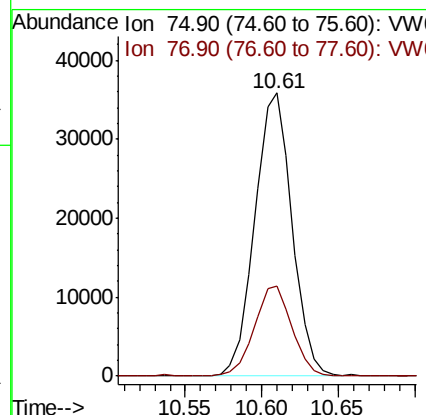
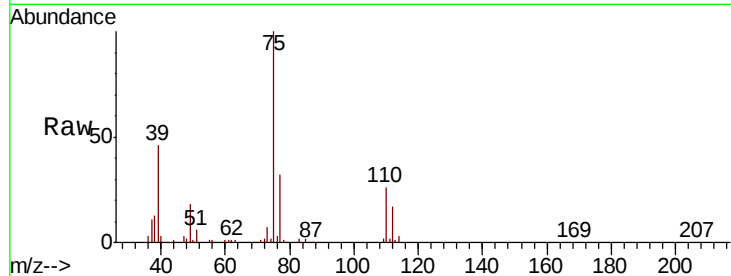




#53
t-1,3-Dichloropropene
Concen: 45.548 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

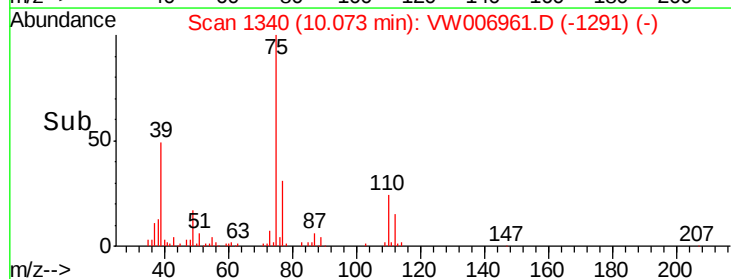
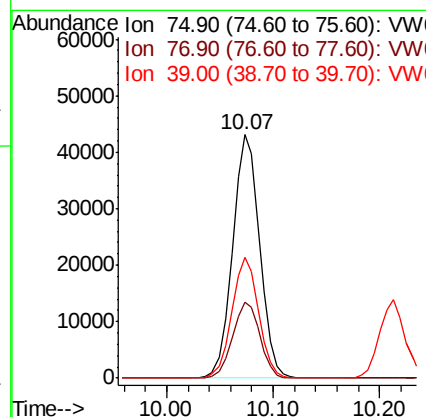
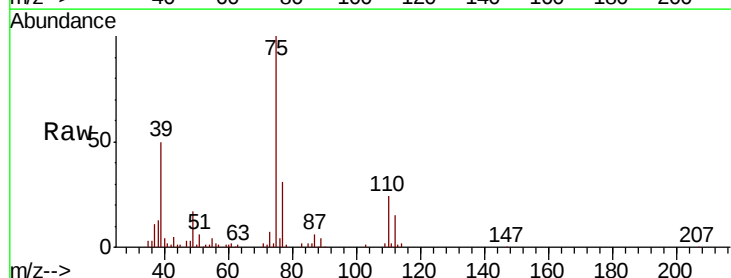
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

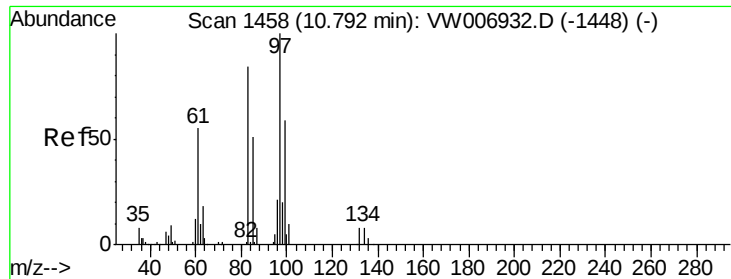
Tot Ion: 75 Resp: 60600
Ion Ratio Lower Upper
75 100
77 31.8 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 47.980 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion: 75 Resp: 76393
Ion Ratio Lower Upper
75 100
77 31.0 24.6 37.0
39 49.5 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 53.966 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MS

Tot Ion: 97 Resp: 41140

Ion	Ratio	Lower	Upper
97	100		
83	82.6	67.5	101.3
85	54.9	41.0	61.6
99	58.6	47.4	71.2

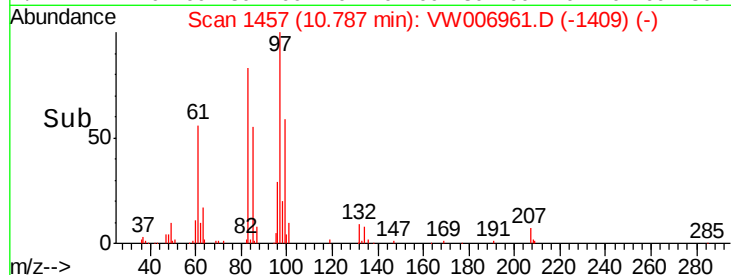
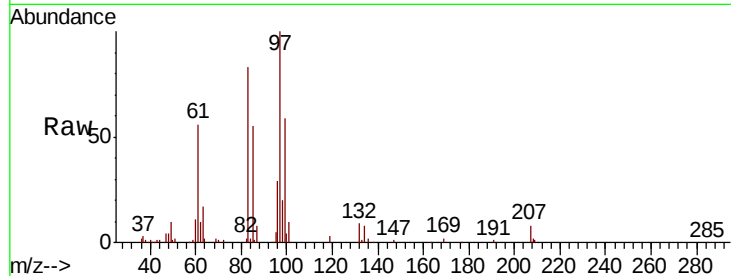
Ion Ratio Lower Upper

97 100

83 82.6 67.5 101.3

85 54.9 41.0 61.6

99 58.6 47.4 71.2

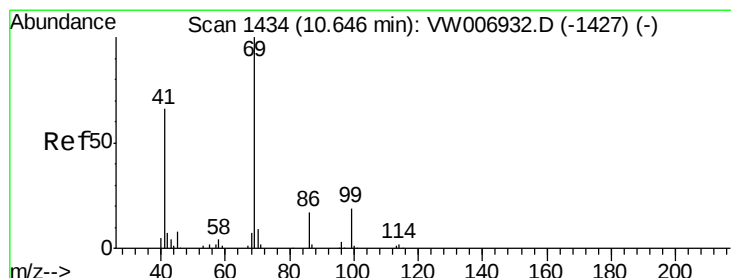
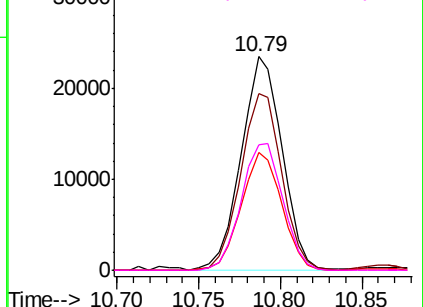


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 46.734 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Tgt Ion: 69 Resp: 44294

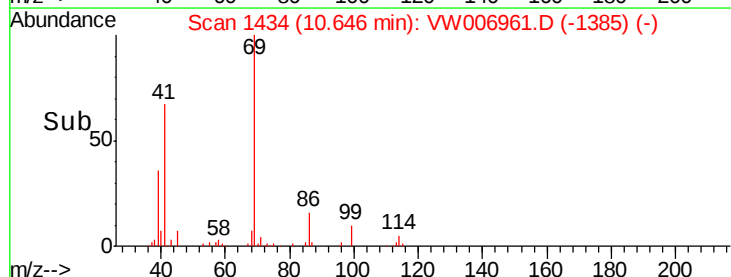
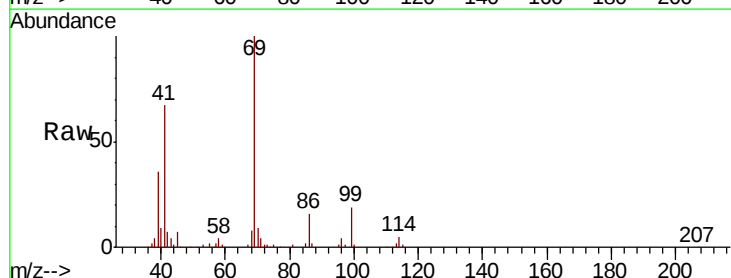
Ion	Ratio	Lower	Upper
69	100		
41	64.5	53.8	80.6
39	34.3	29.0	43.6

Ion Ratio Lower Upper

69 100

41 64.5 53.8 80.6

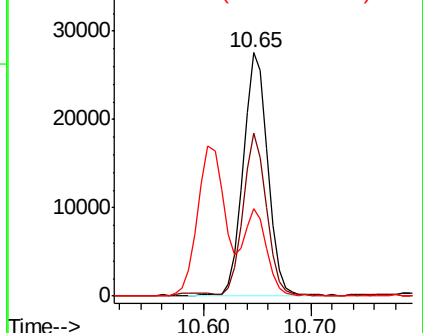
39 34.3 29.0 43.6

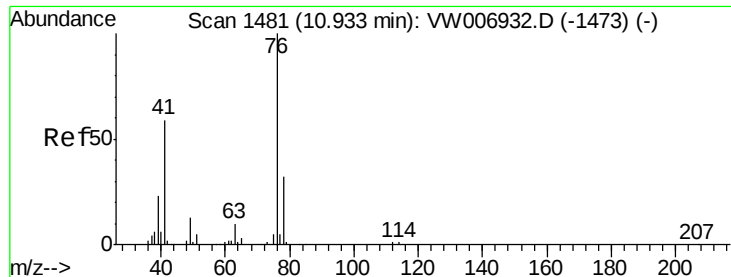


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

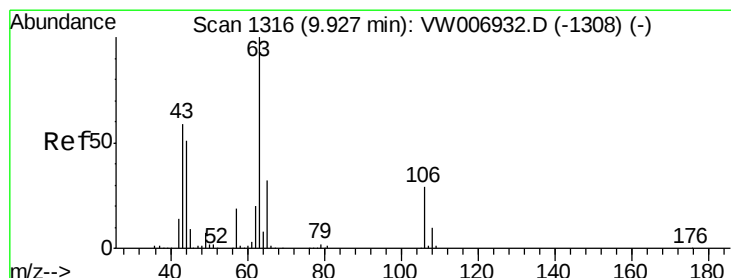
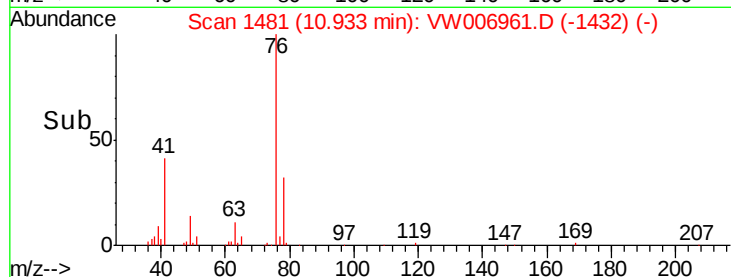
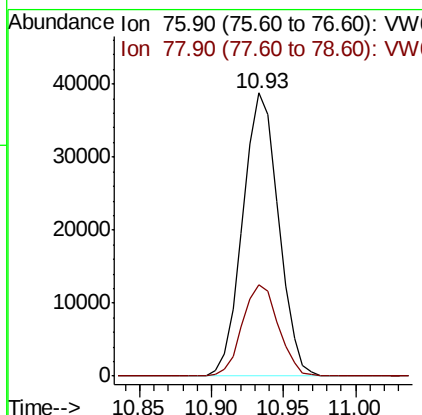
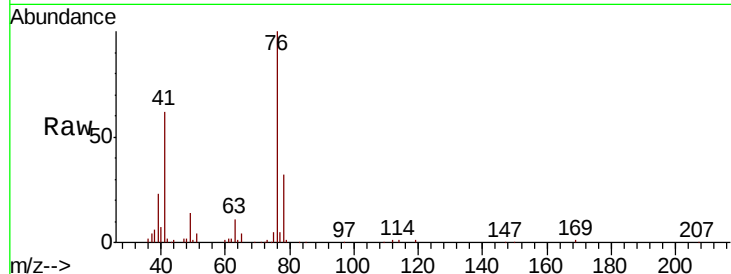




#57
 1,3-Dichloropropane
 Concen: 51.547 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

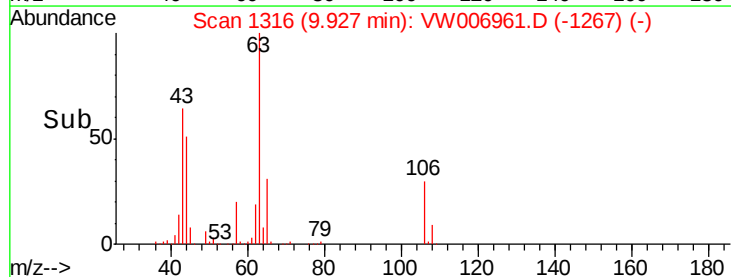
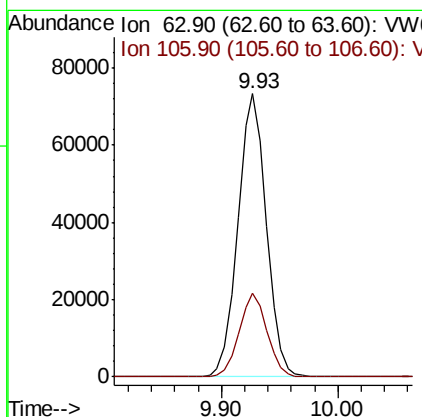
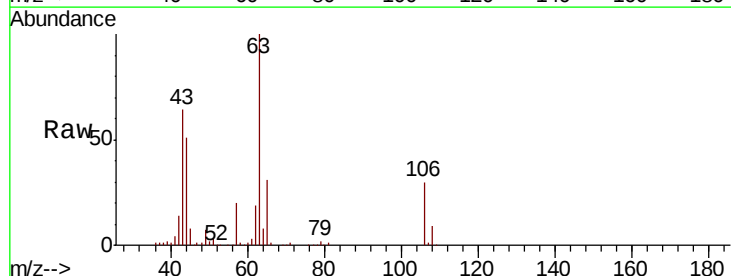
Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MS

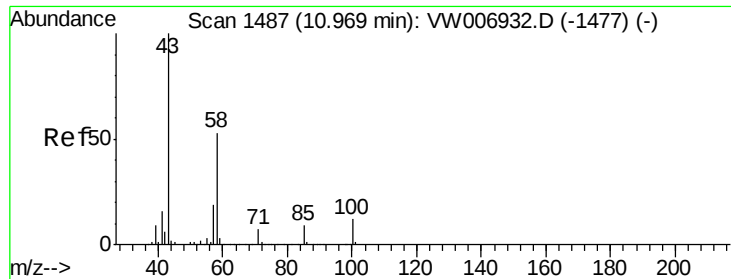
Tot Ion: 76 Resp: 66856
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 266.855 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Tgt Ion: 63 Resp: 124342
 Ion Ratio Lower Upper
 63 100
 106 29.0 22.6 33.8

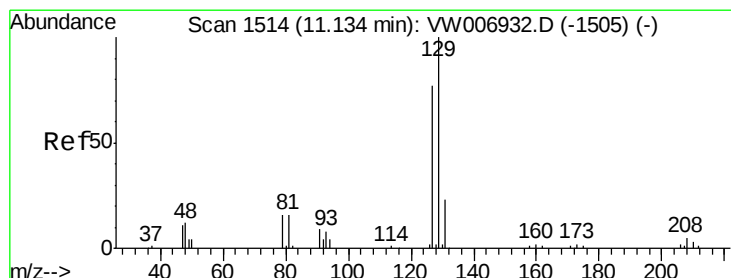
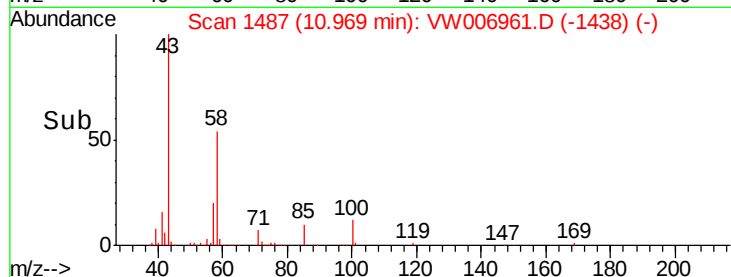
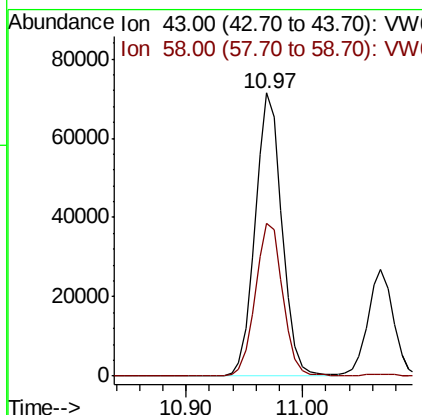
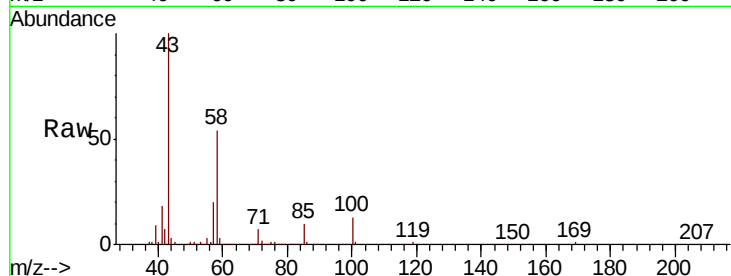




#59
2-Hexanone
Concen: 298.464 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

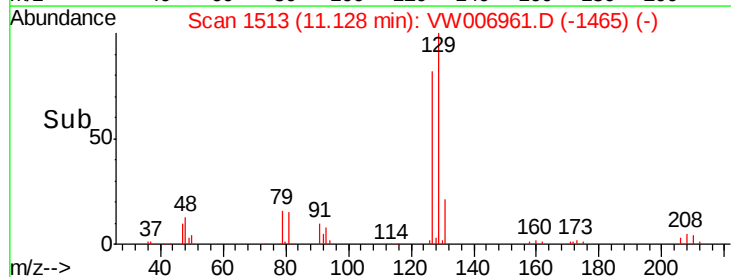
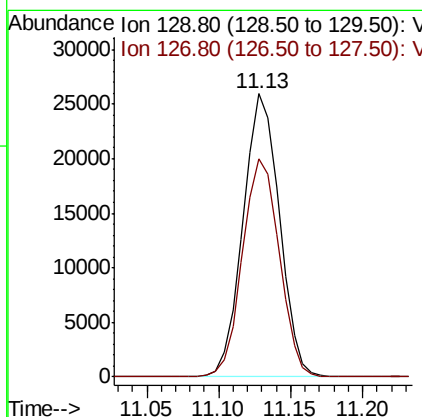
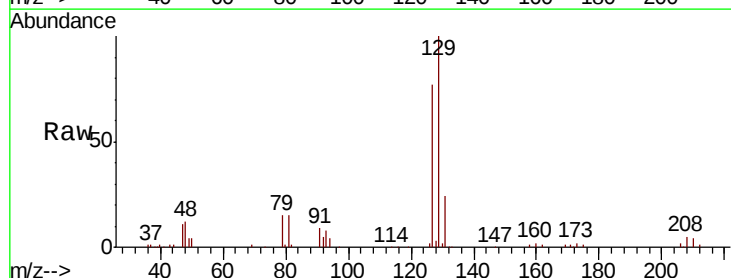
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

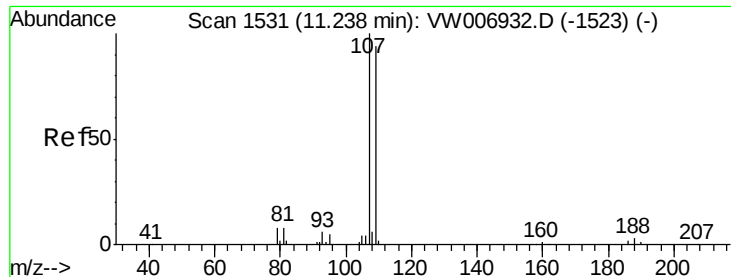
Tot Ion: 43 Resp: 114859
Ion Ratio Lower Upper
43 100
58 55.1 26.8 80.4



#60
Dibromochloromethane
Concen: 52.174 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion:129 Resp: 45356
Ion Ratio Lower Upper
129 100
127 77.8 38.1 114.3





#61

1,2-Dibromoethane

Concen: 50.674 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

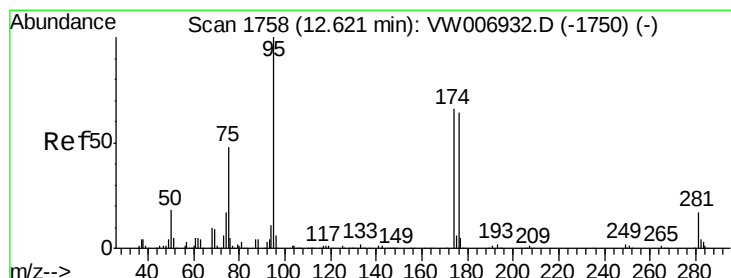
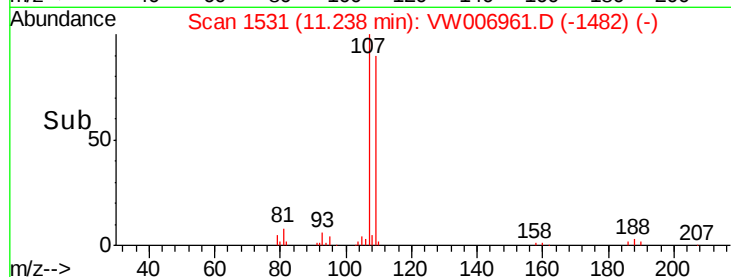
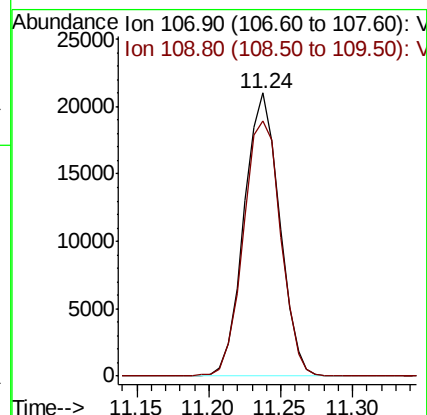
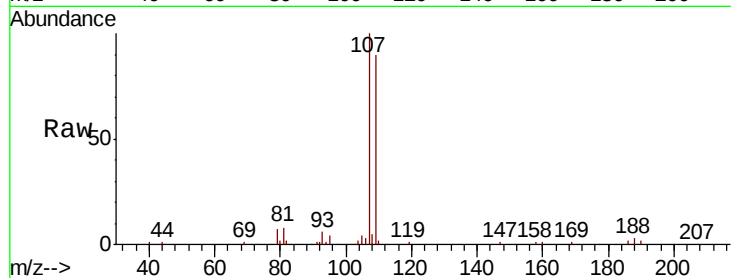
MMTW-03(8-10)MS

Tot Ion:107 Resp: 35903

Ion Ratio Lower Upper

107 100

109 95.1 75.5 113.3



#62

4-Bromofluorobenzene

Concen: 45.653 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

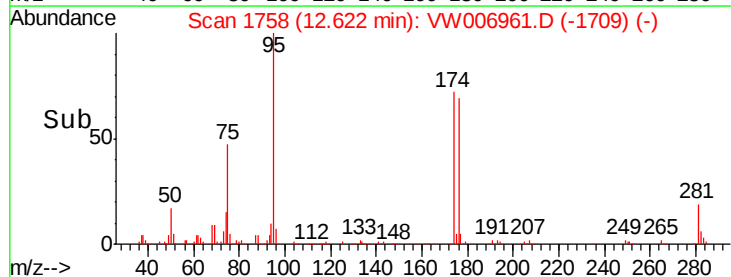
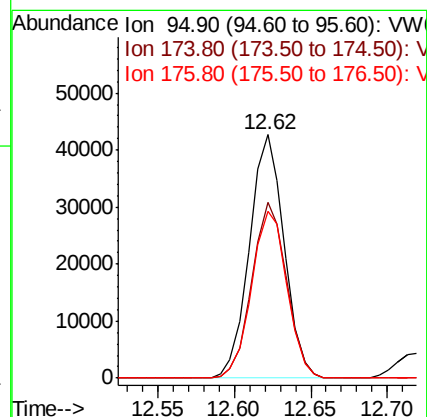
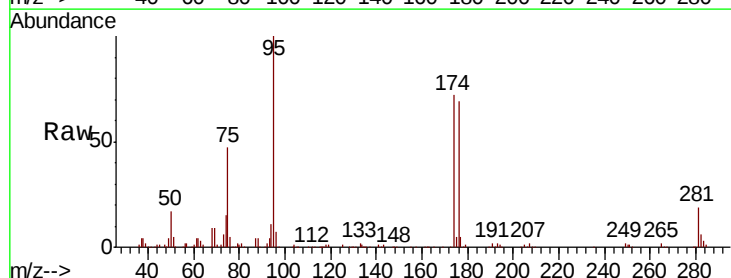
Tgt Ion: 95 Resp: 67239

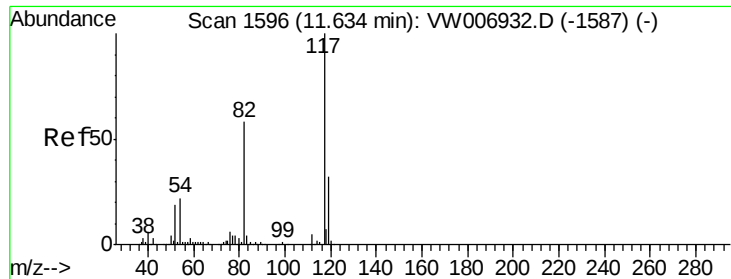
Ion Ratio Lower Upper

95 100

174 72.7 0.0 138.4

176 70.1 0.0 133.4

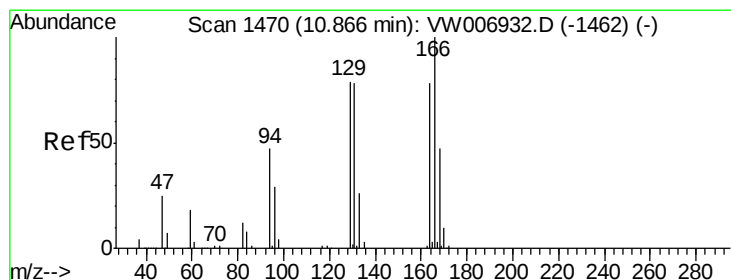
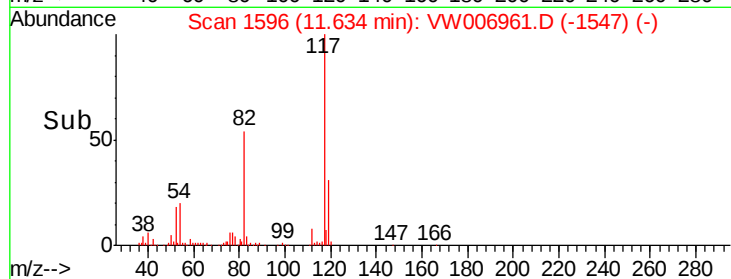
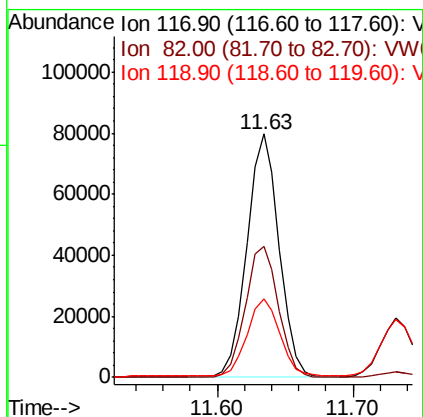
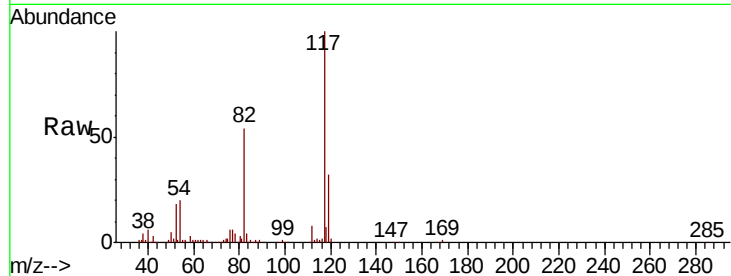




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

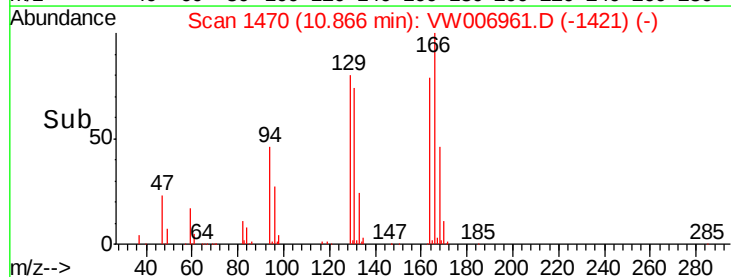
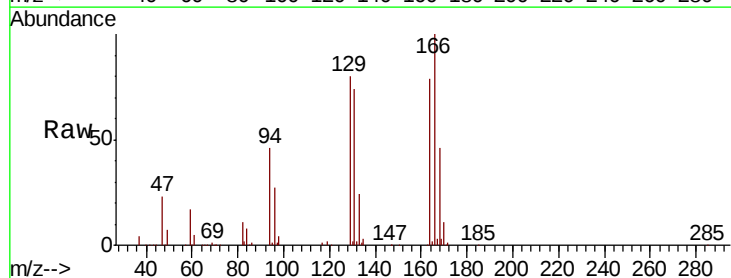
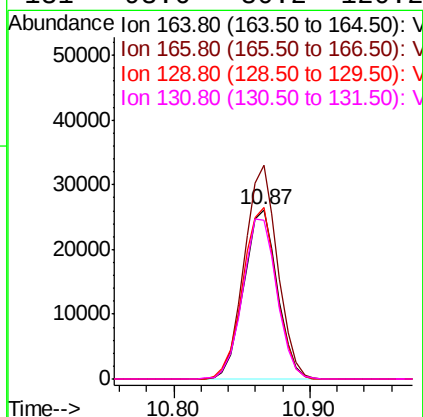
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

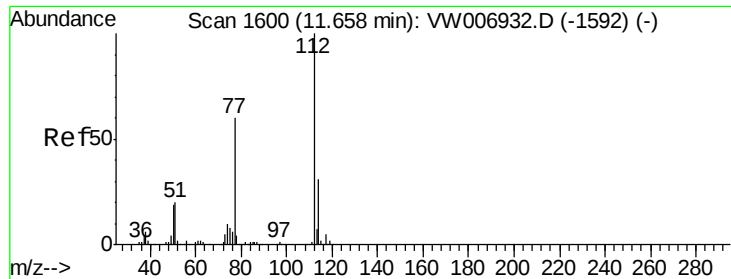
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	46.2	69.2
119	31.2	25.5	38.3



#64
Tetrachloroethene
Concen: 53.292 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	102.6	154.0
129	101.6	81.0	121.4
131	93.6	80.2	120.2





#65

Chlorobenzene

Concen: 50.097 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

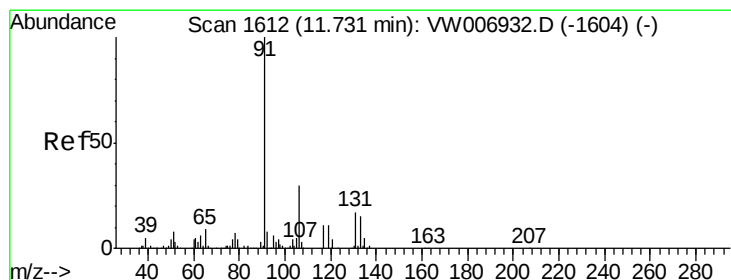
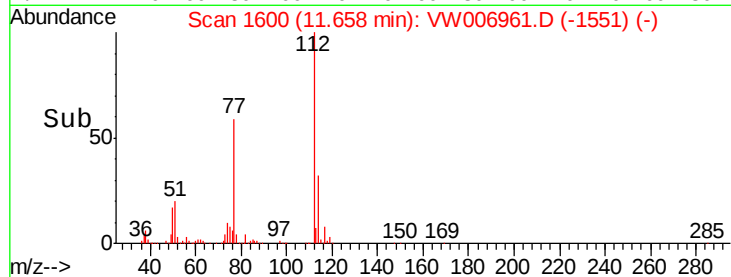
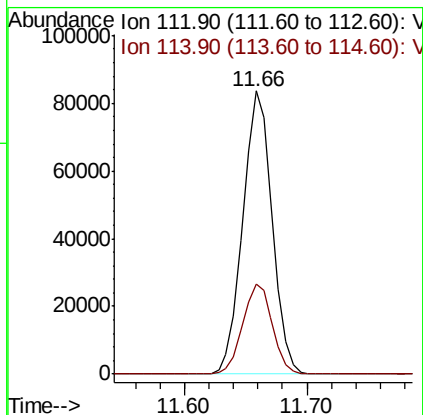
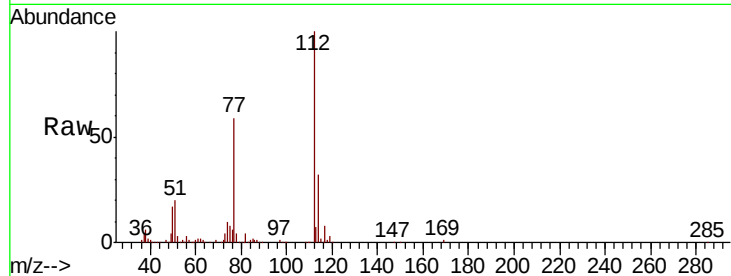
MMTW-03(8-10)MS

Tot Ion:112 Resp: 139195

Ion Ratio Lower Upper

112 100

114 31.9 24.6 37.0



#66

1,1,1,2-Tetrachloroethane

Concen: 54.064 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

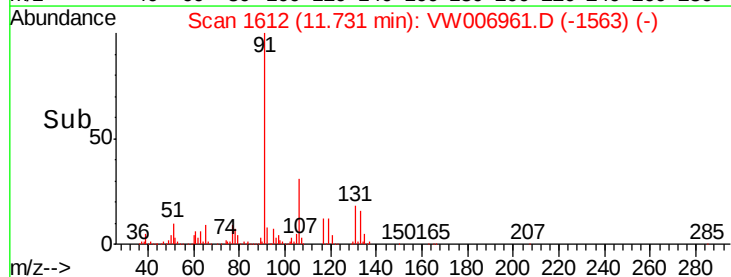
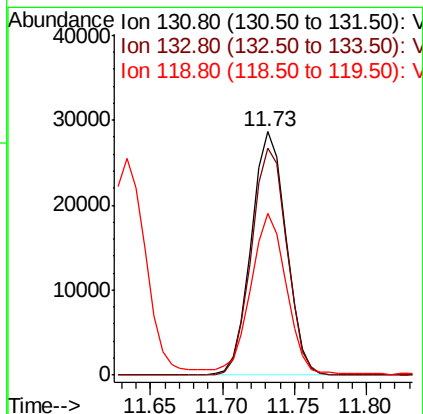
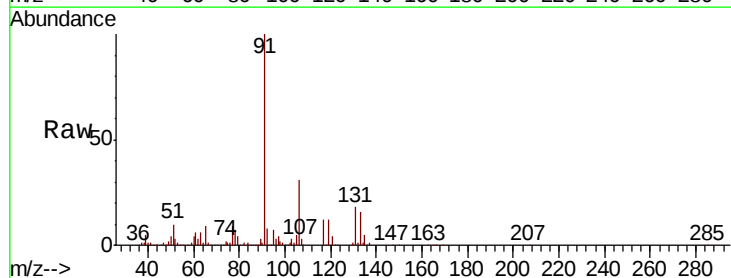
Tgt Ion:131 Resp: 47871

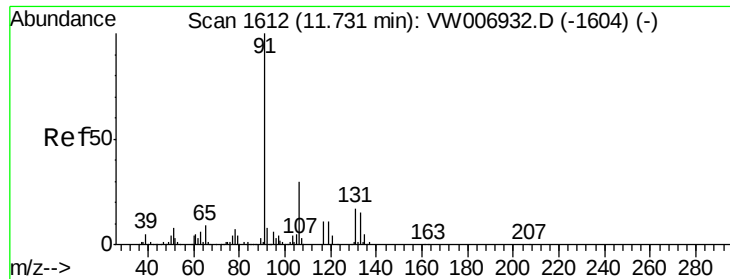
Ion Ratio Lower Upper

131 100

133 94.5 47.2 141.6

119 66.4 32.5 97.4

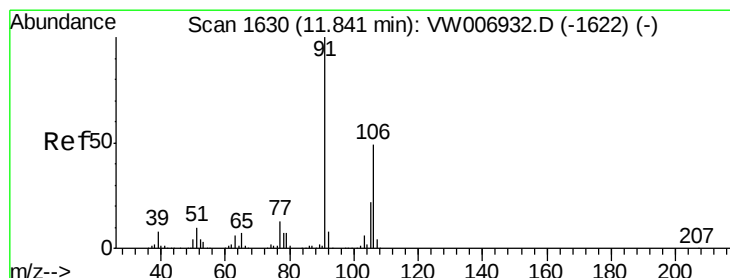
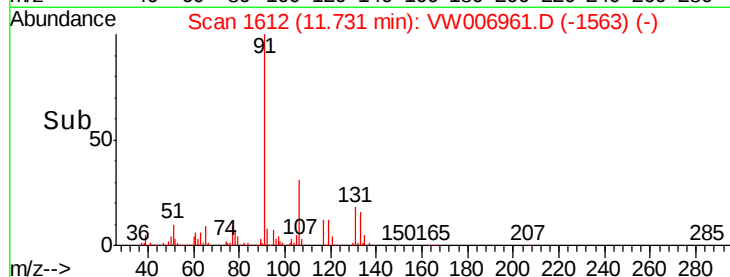
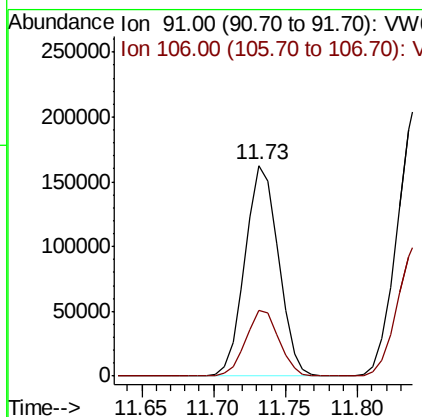
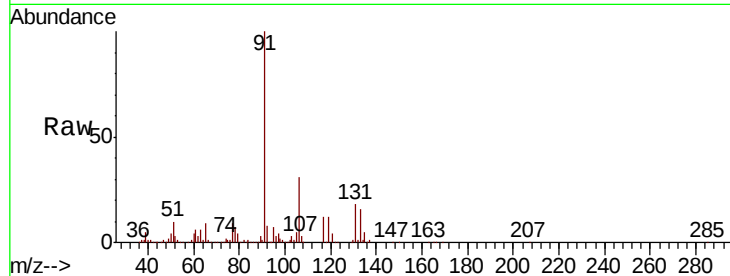




#67
Ethyl Benzene
Concen: 52.119 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

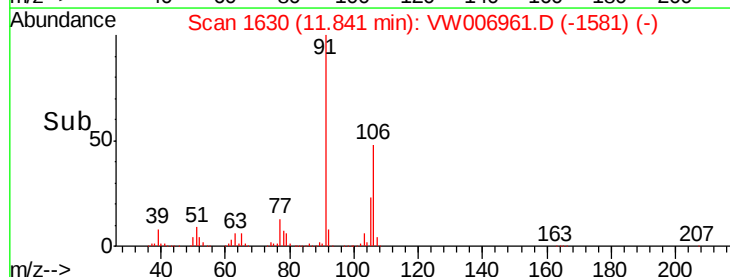
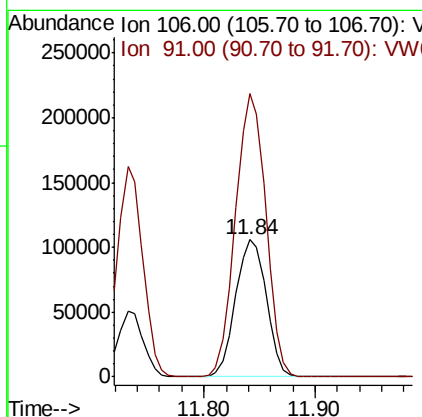
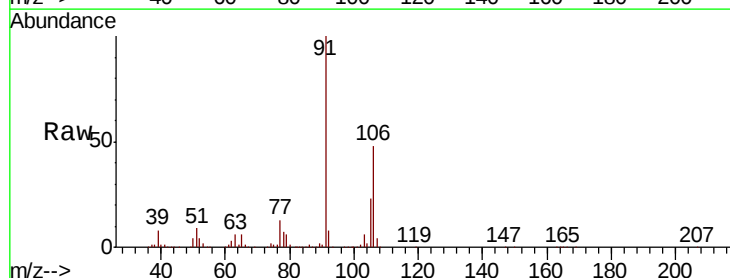
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

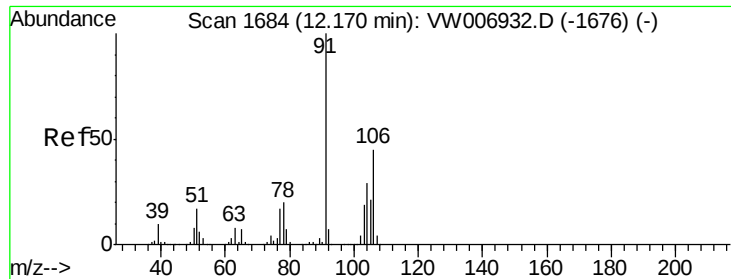
Tot Ion: 91 Resp: 261091
Ion Ratio Lower Upper
91 100
106 31.1 24.0 36.0



#68
m/p-Xylenes
Concen: 104.300 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion: 106 Resp: 203463
Ion Ratio Lower Upper
106 100
91 203.7 165.0 247.4

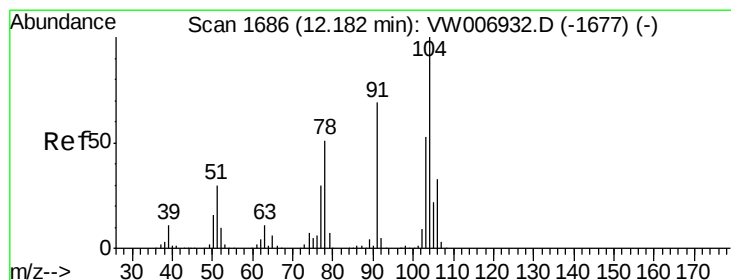
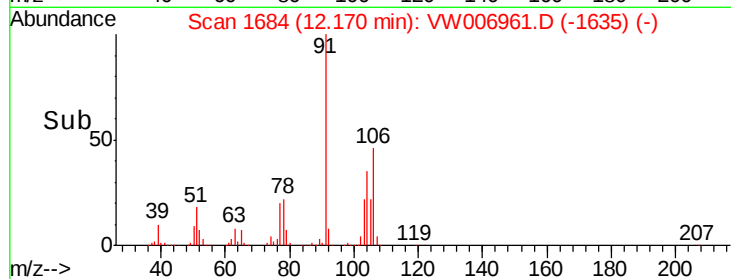
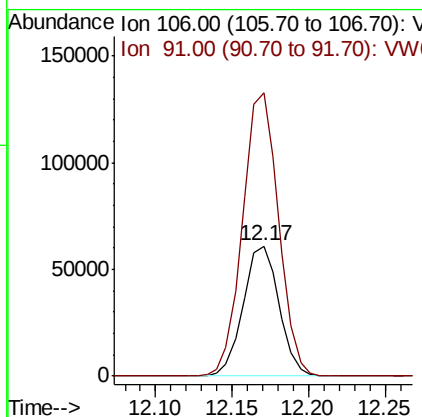
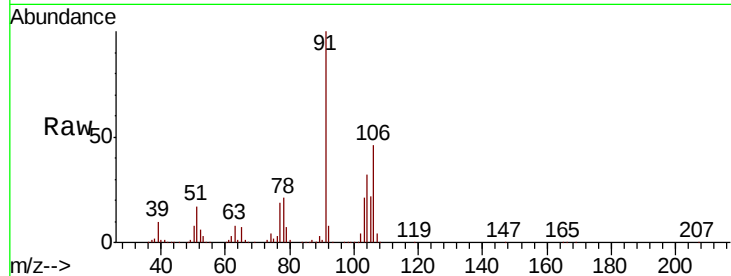




#69
o-Xylene
Concen: 53.409 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

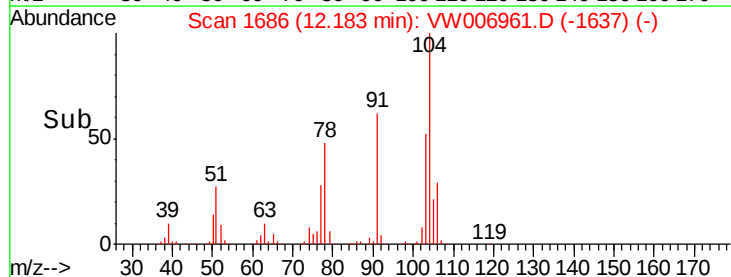
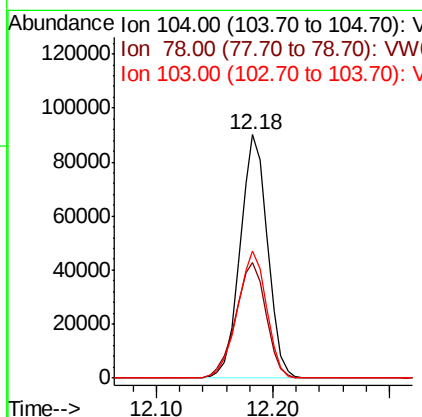
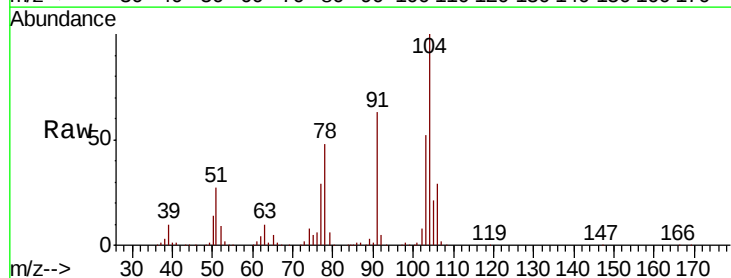
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

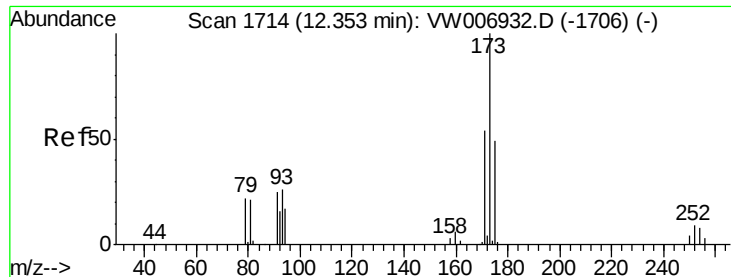
Tot Ion:106 Resp: 98886
Ion Ratio Lower Upper
106 100
91 219.6 109.2 327.6



#70
Styrene
Concen: 49.426 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion:104 Resp: 147162
Ion Ratio Lower Upper
104 100
78 52.8 42.5 63.7
103 55.9 44.3 66.5

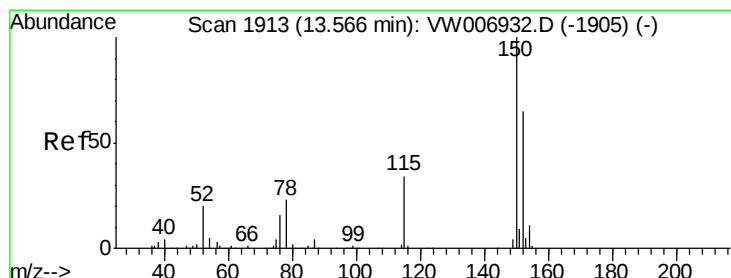
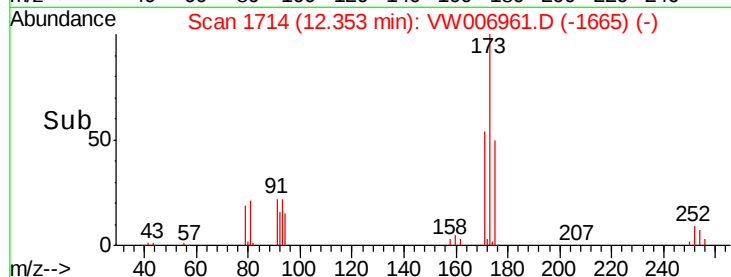
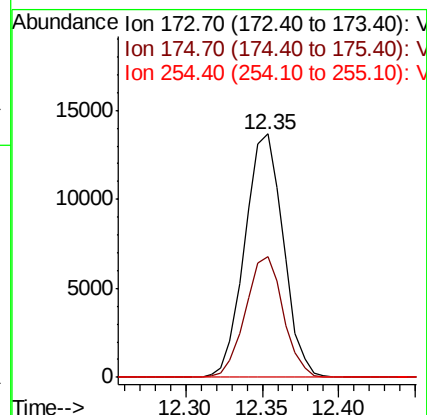
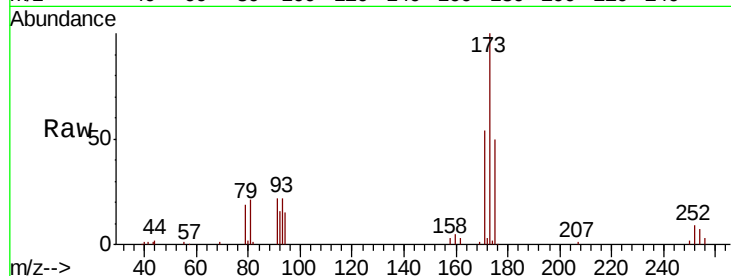




#71
Bromoform
Concen: 57.941 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

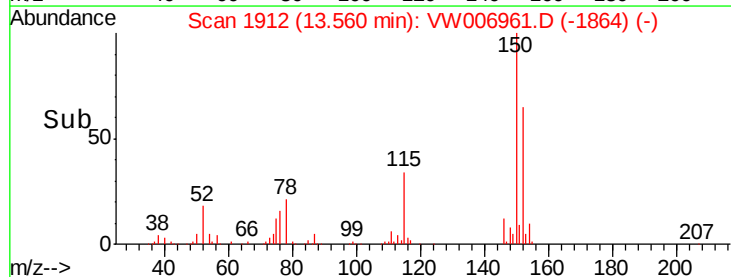
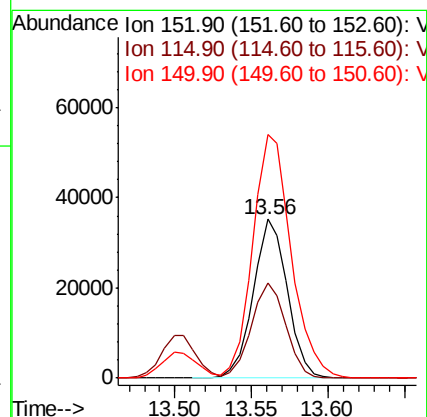
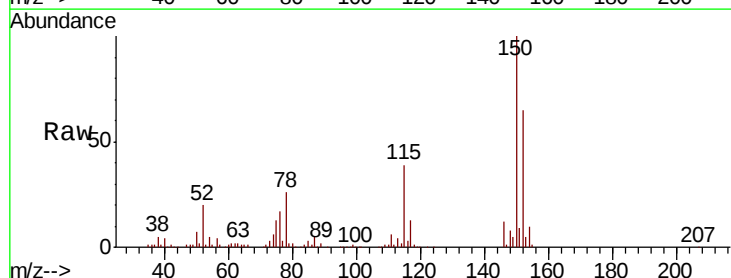
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

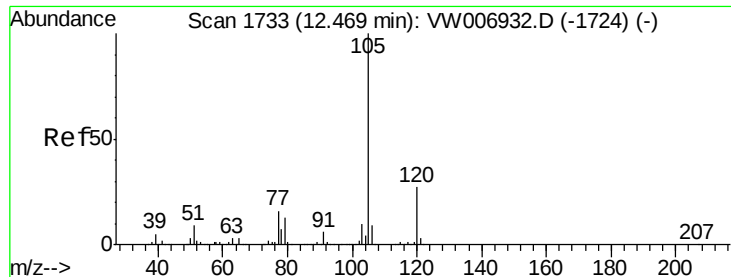
Tot Ion:173 Resp: 23918
Ion Ratio Lower Upper
173 100
175 48.7 24.0 72.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion:152 Resp: 54328
Ion Ratio Lower Upper
152 100
115 60.8 31.6 94.7
150 173.6 0.0 350.0





#73

Isopropylbenzene

Concen: 59.401 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

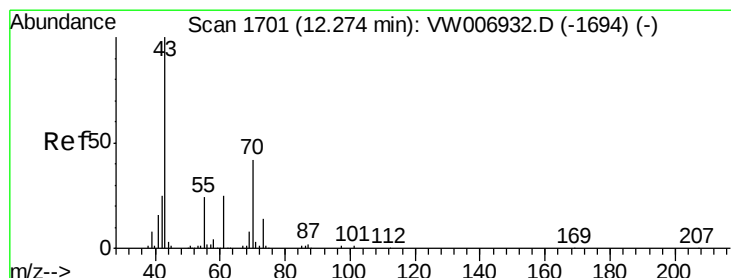
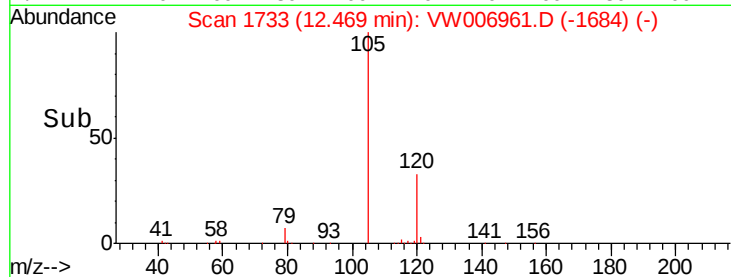
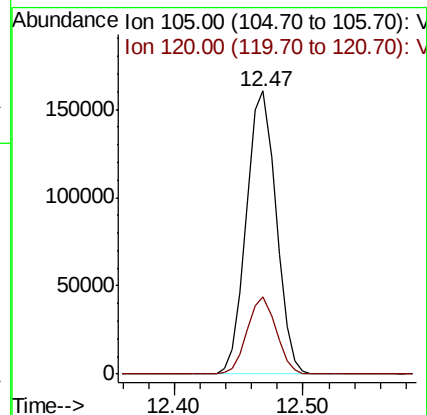
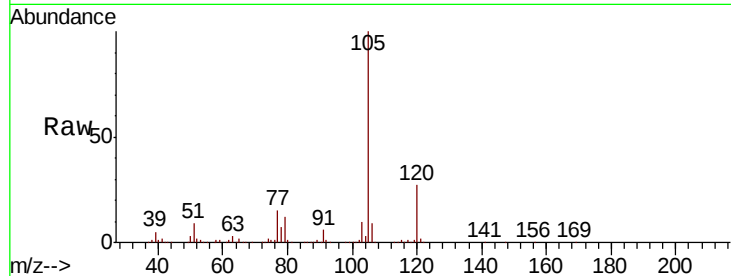
MMTW-03(8-10)MS

Tot Ion:105 Resp: 255571

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.6



#74

N-ethyl acetate

Concen: 49.392 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Tgt Ion: 43 Resp: 42531

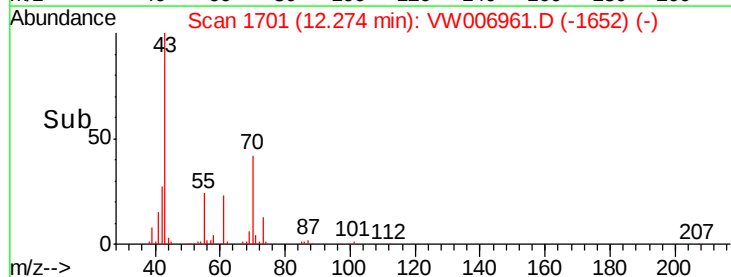
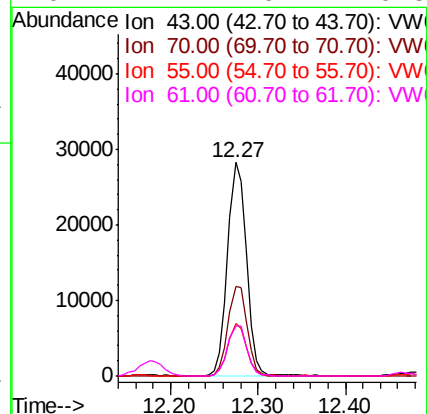
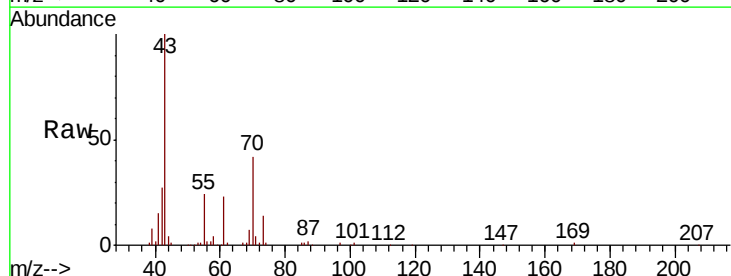
Ion Ratio Lower Upper

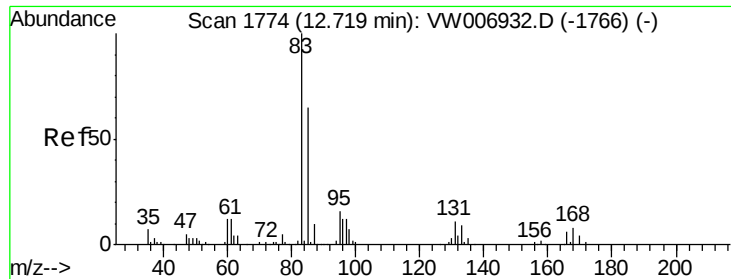
43 100

70 42.3 34.2 51.4

55 24.1 19.5 29.3

61 24.2 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 68.485 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MS

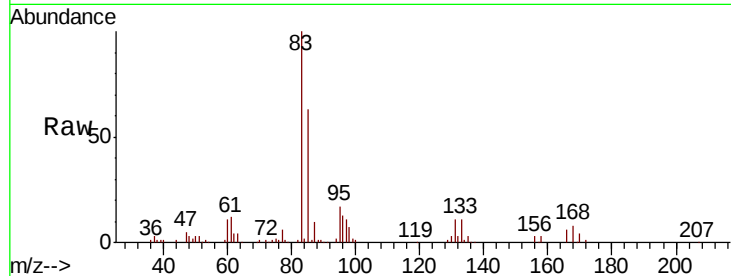
Tot Ion: 83 Resp: 43343

Ion Ratio Lower Upper

83 100

131 11.4 5.6 16.8

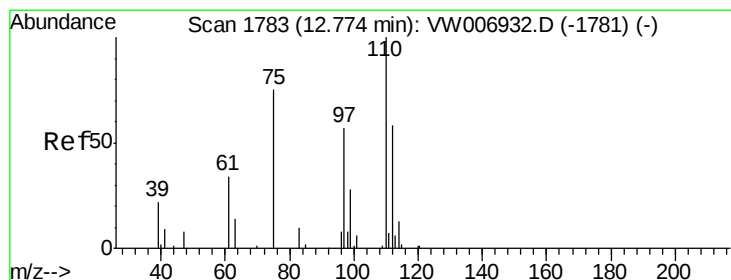
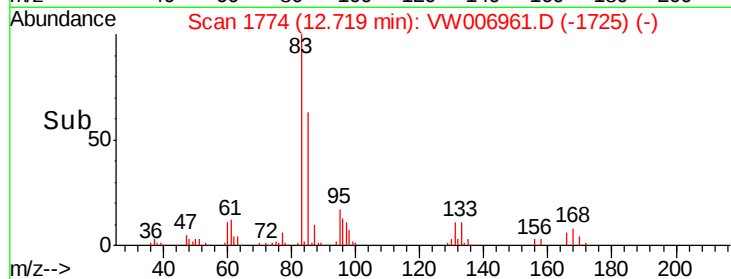
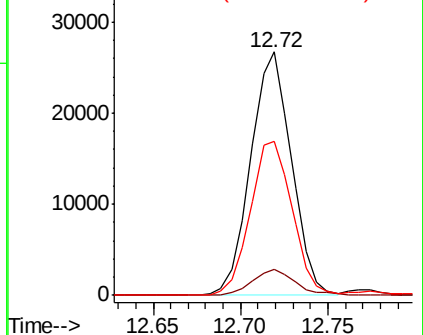
85 64.8 32.5 97.5



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: 127.630 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW006961.D

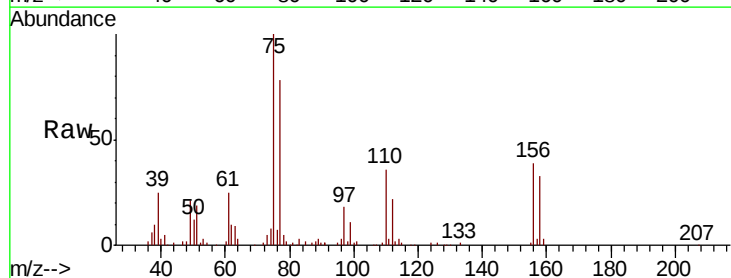
Acq: 19 Nov 2018 23:32

Tgt Ion: 75 Resp: 55722

Ion Ratio Lower Upper

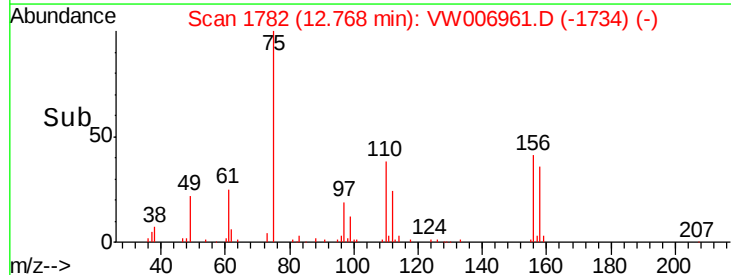
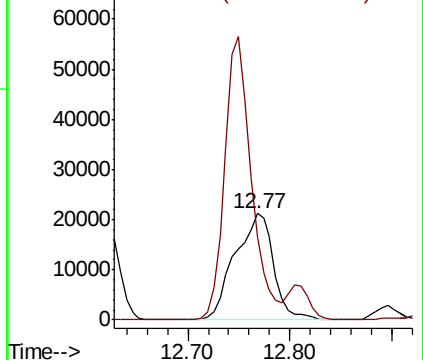
75 100

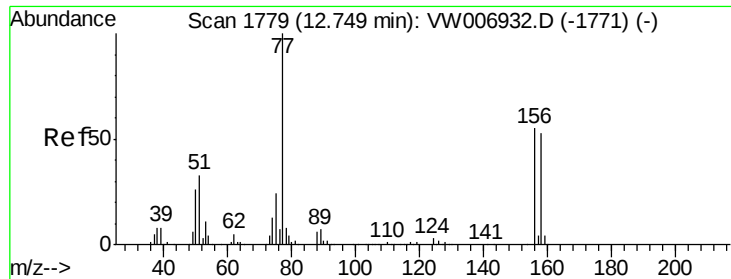
77 184.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 59.276 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MS

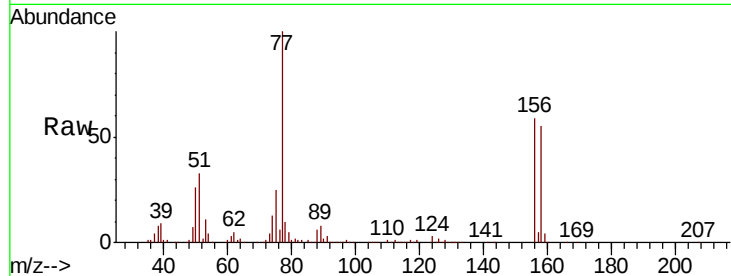
Tot Ion:156 Resp: 54053

Ion Ratio Lower Upper

156 100

77 189.8 97.8 293.3

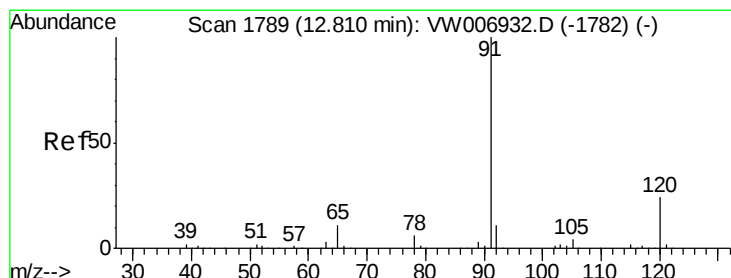
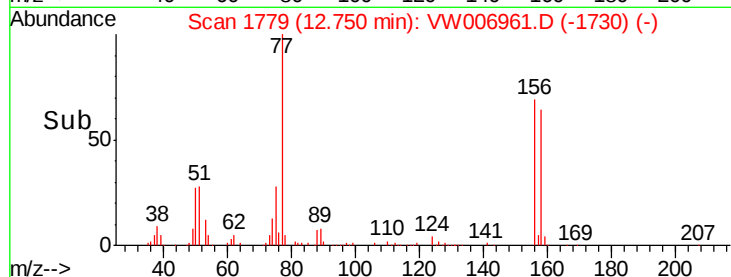
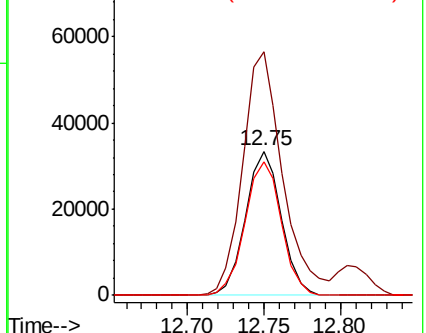
158 94.7 47.9 143.7



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: 53.183 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006961.D

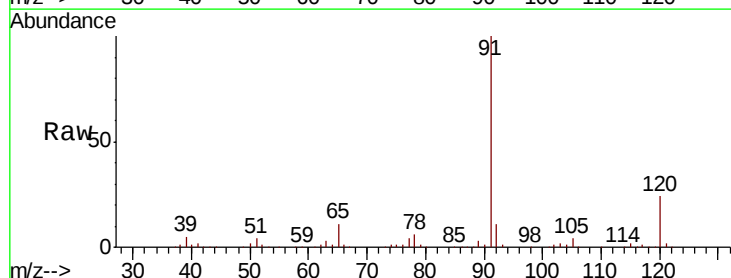
Acq: 19 Nov 2018 23:32

Tgt Ion: 91 Resp: 274955

Ion Ratio Lower Upper

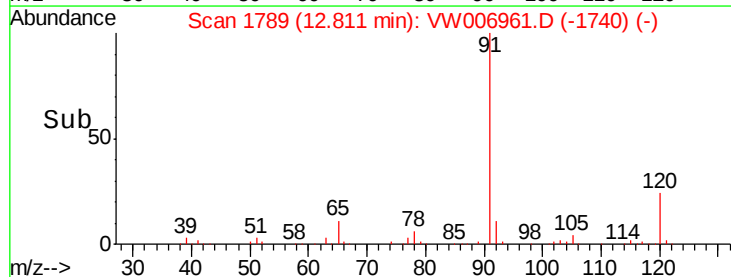
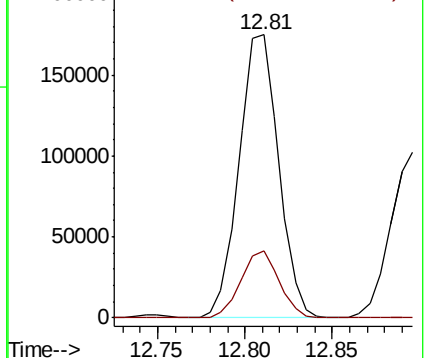
91 100

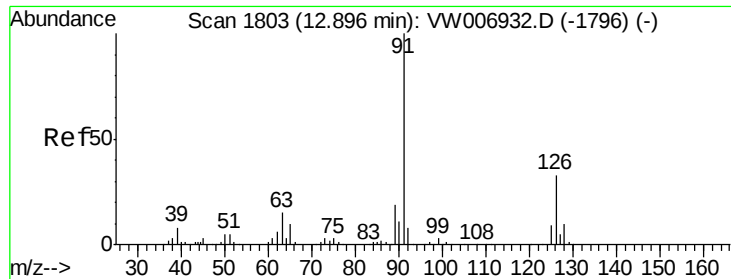
120 22.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

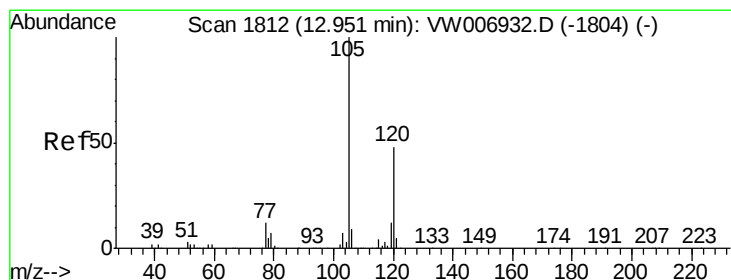
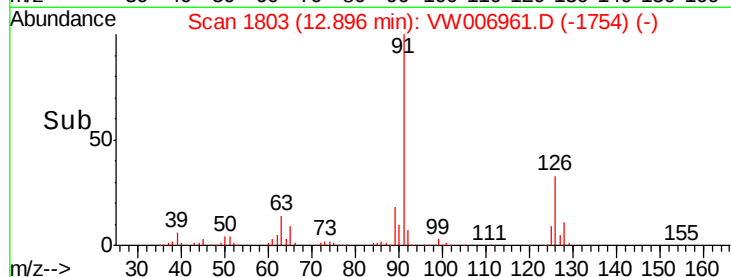
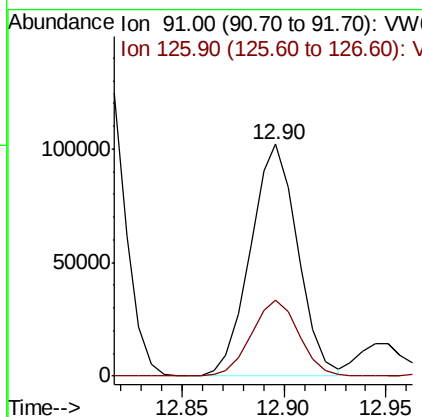
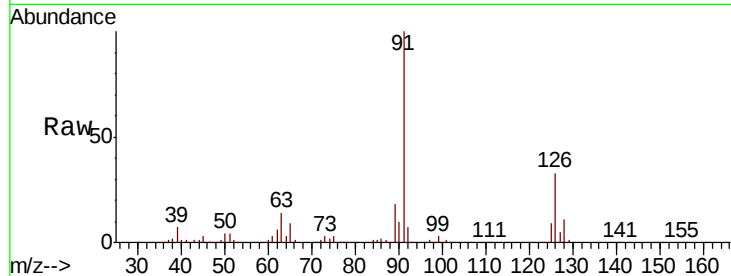




#79
 2-Chlorotoluene
 Concen: 54.290 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

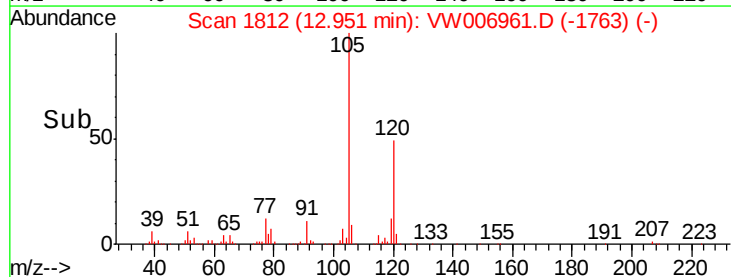
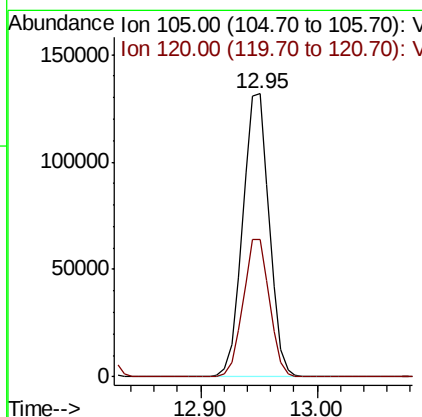
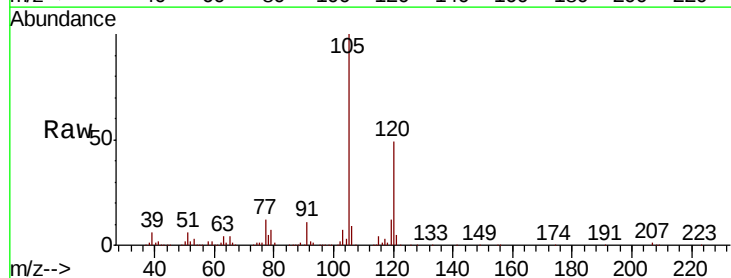
Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MS

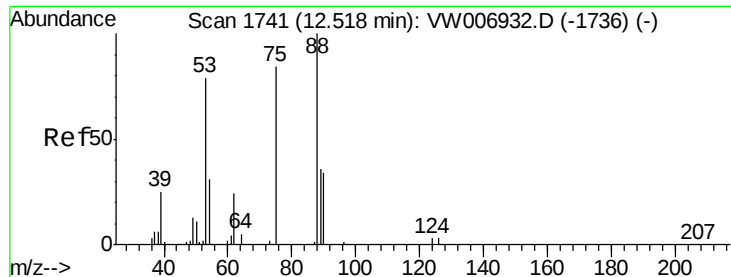
Tot Ion: 91 Resp: 164490
 Ion Ratio Lower Upper
 91 100
 126 33.1 16.6 49.7



#80
 1,3,5-Trimethylbenzene
 Concen: 56.538 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Tgt Ion: 105 Resp: 209461
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.5 70.5

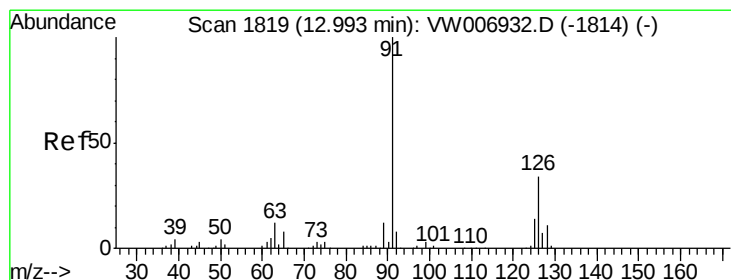
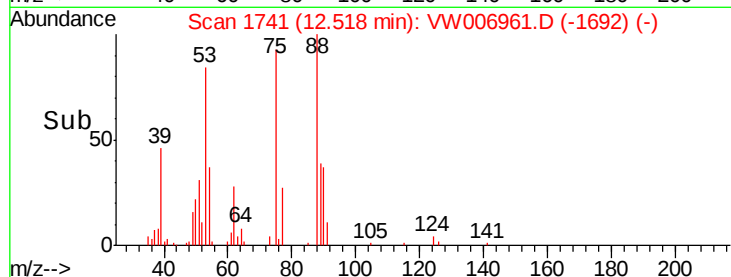
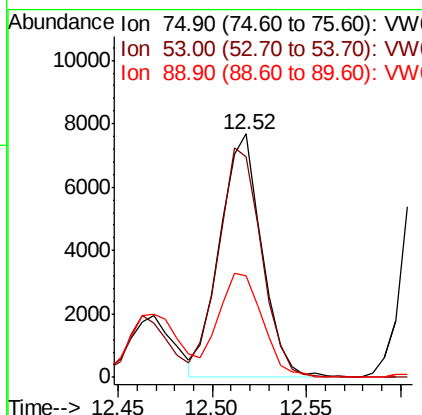
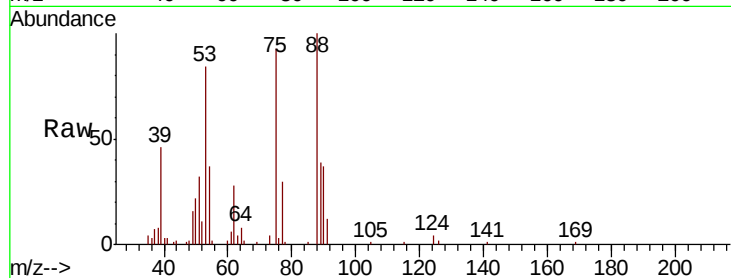




#81
trans-1,4-Dichloro-2-butene
Concen: 61.910 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

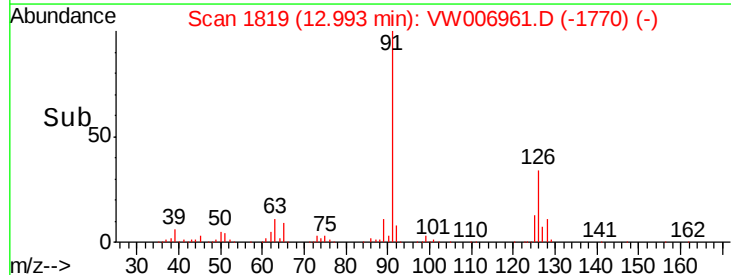
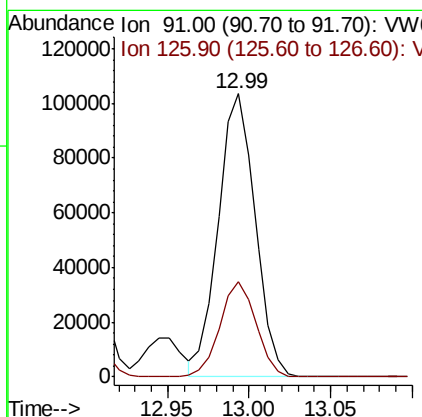
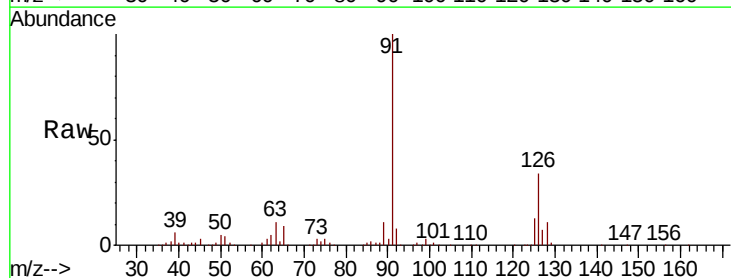
Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

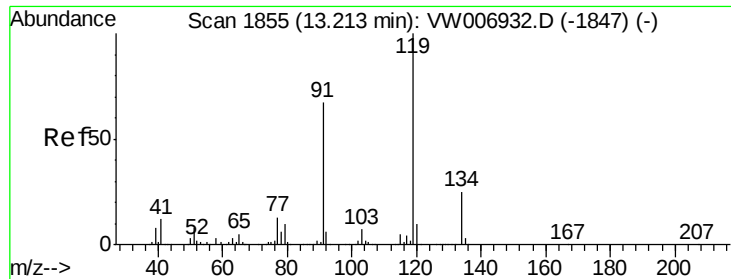
Tot Ion: 75 Resp: 11874
Ion Ratio Lower Upper
75 100
53 97.0 79.3 118.9
89 44.0 39.5 59.3



#82
4-Chlorotoluene
Concen: 51.077 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion: 91 Resp: 163162
Ion Ratio Lower Upper
91 100
126 32.8 16.2 48.6

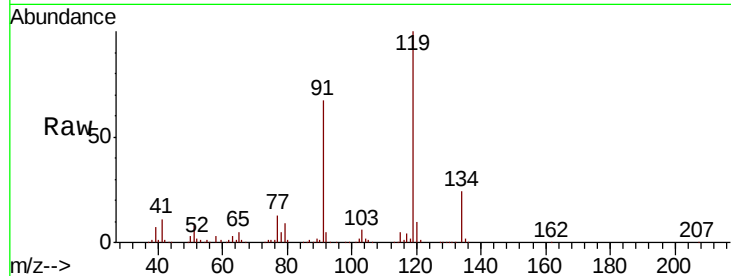




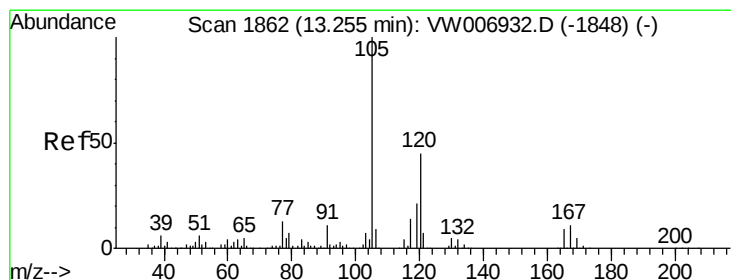
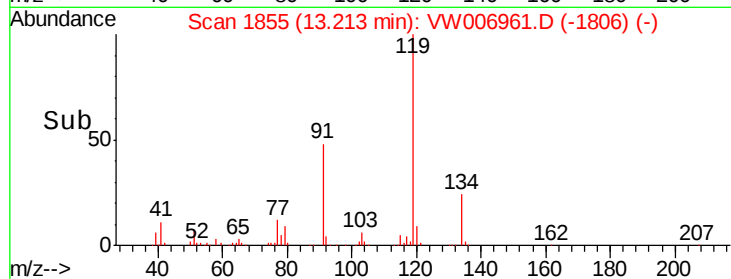
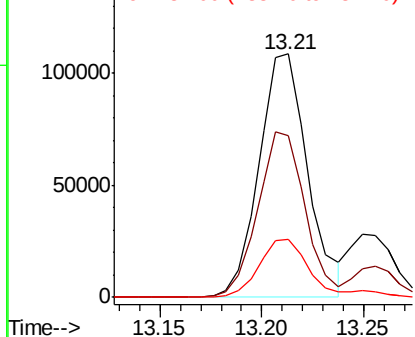
#83
tert-Butylbenzene
Concen: 57.448 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

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

Tot Ion:119 Resp: 180739
Ion Ratio Lower Upper
119 100
91 66.0 33.8 101.4
134 25.6 12.6 37.8

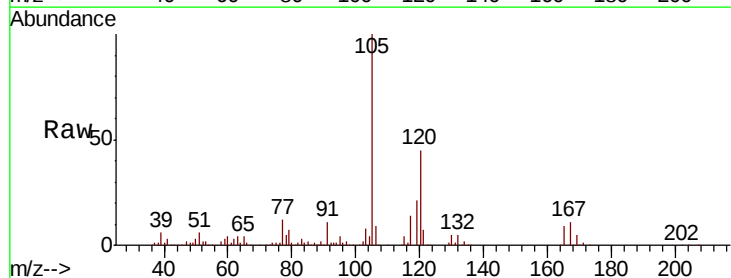


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

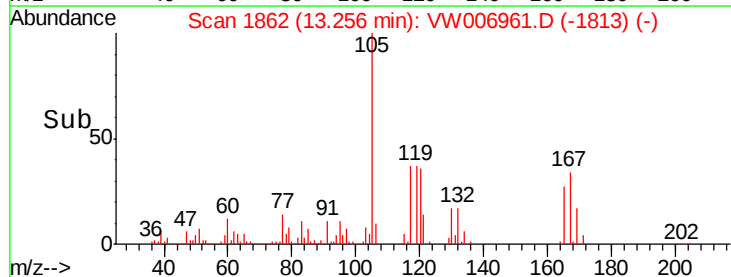
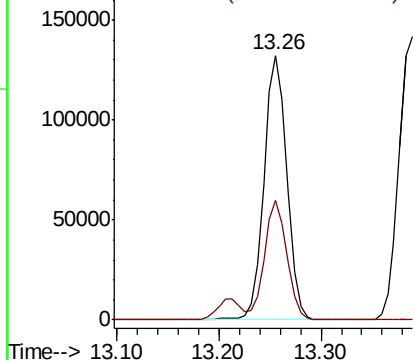


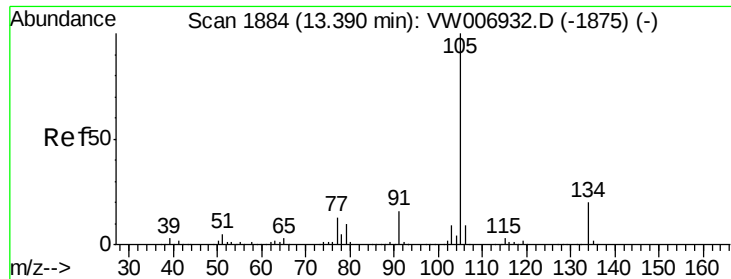
#84
1,2,4-Trimethylbenzene
Concen: 55.293 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion:105 Resp: 205793
Ion Ratio Lower Upper
105 100
120 44.5 21.9 65.8



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





#85

sec-Butylbenzene

Concen: 49.399 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

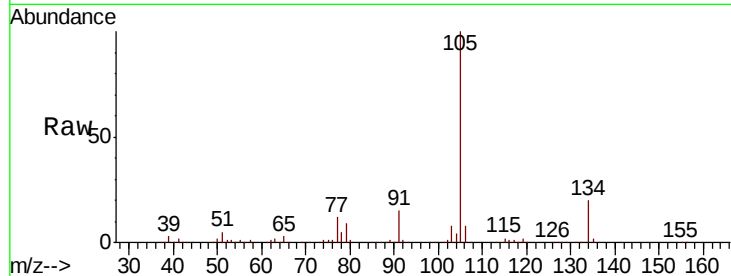
MMTW-03(8-10)MS

Tot Ion:105 Resp: 221757

Ion Ratio Lower Upper

105 100

134 20.2 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

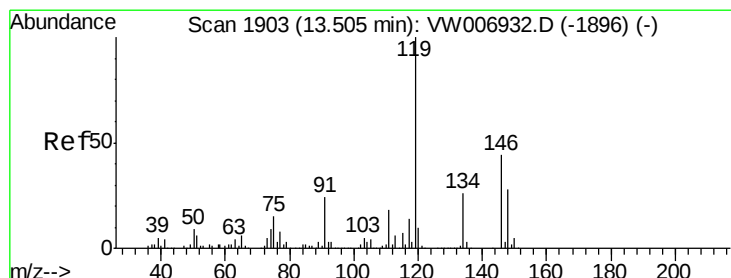
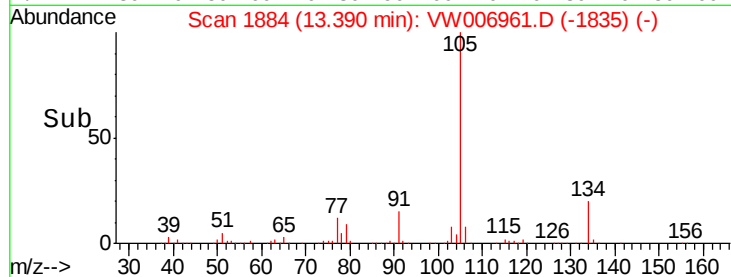
100000

50000

0

13.30 13.40

Time-->



#86

p-Isopropyltoluene

Concen: 50.322 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

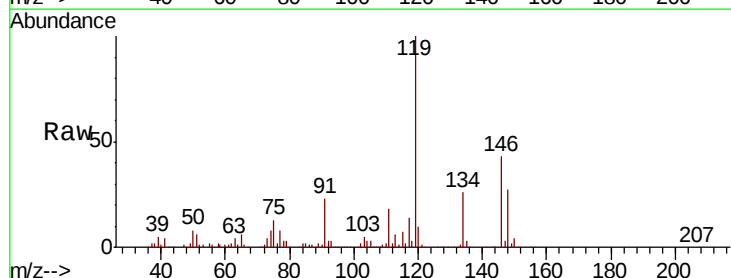
Tgt Ion:119 Resp: 197433

Ion Ratio Lower Upper

119 100

134 26.1 12.7 38.1

91 24.6 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

150000

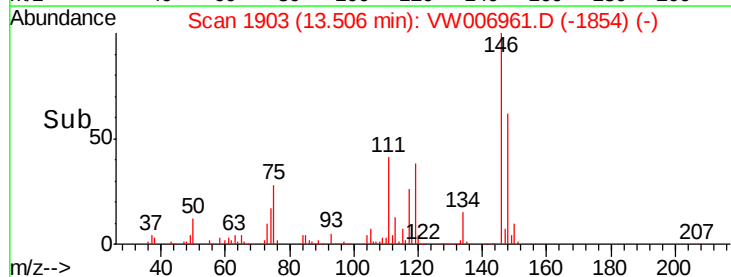
100000

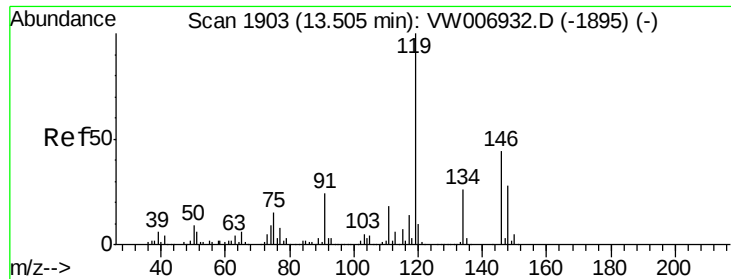
50000

0

13.45 13.50 13.55

Time-->





#87

1,3-Dichlorobenzene

Concen: 49.234 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MS

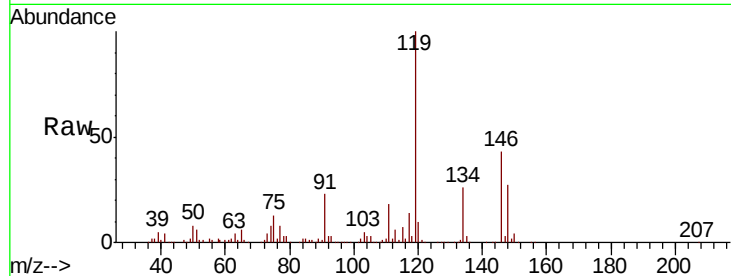
Tot Ion:146 Resp: 91805

Ion Ratio Lower Upper

146 100

111 41.4 21.3 63.9

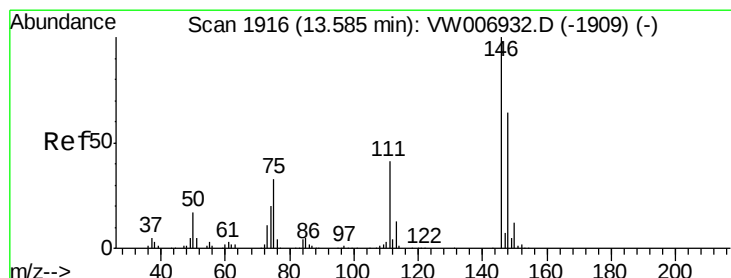
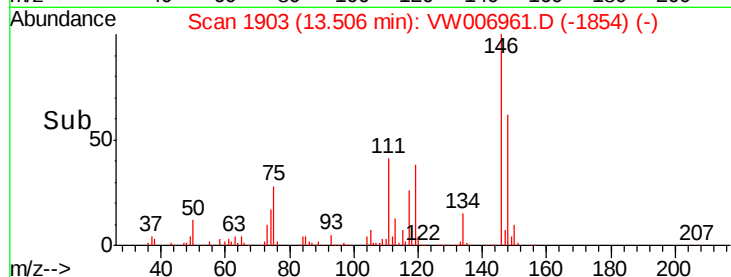
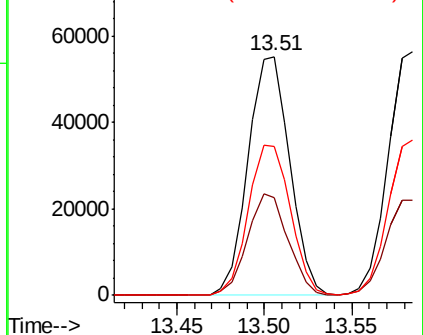
148 63.5 31.9 95.9



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: 48.730 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

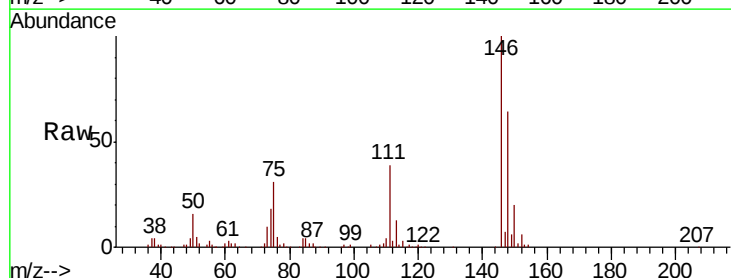
Tgt Ion:146 Resp: 90560

Ion Ratio Lower Upper

146 100

111 40.6 20.7 62.1

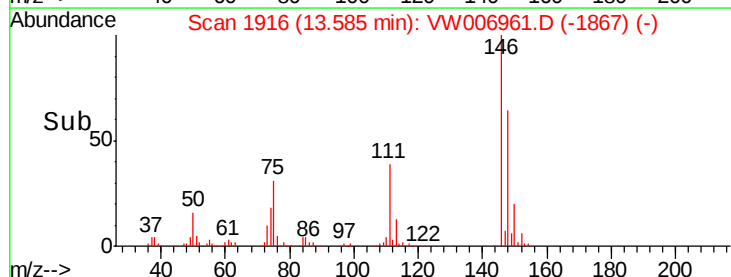
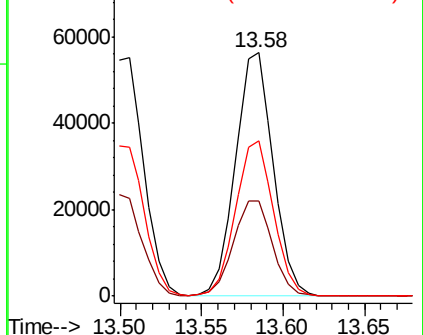
148 64.2 31.9 95.9

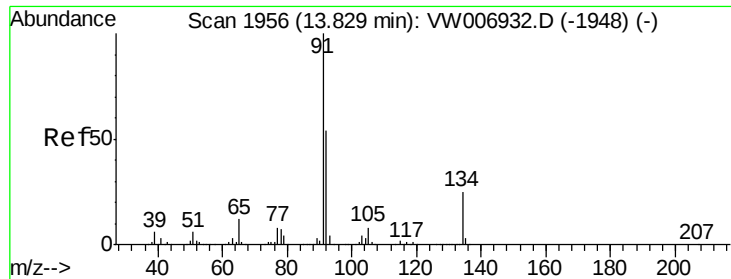


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 40.148 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MS

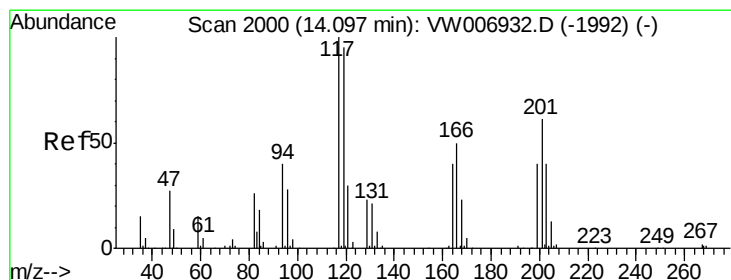
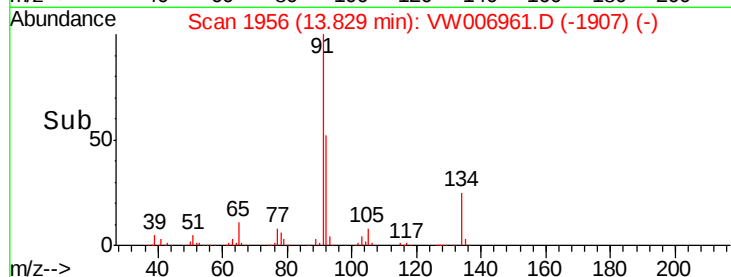
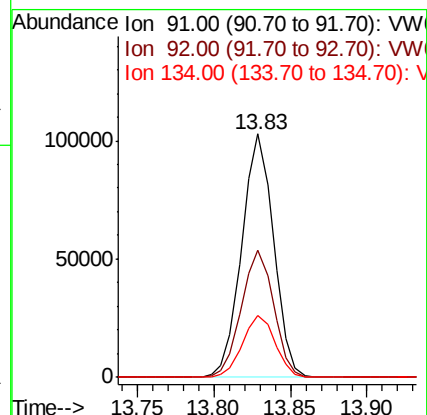
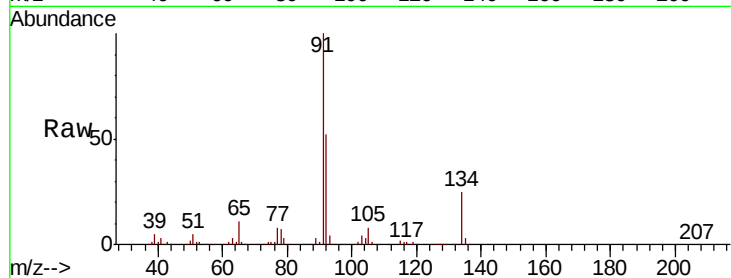
Tot Ion: 91 Resp: 149104

Ion Ratio Lower Upper

91 100

92 52.9 26.4 79.2

134 26.0 12.9 38.6



#90

Hexachloroethane

Concen: 45.836 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW006961.D

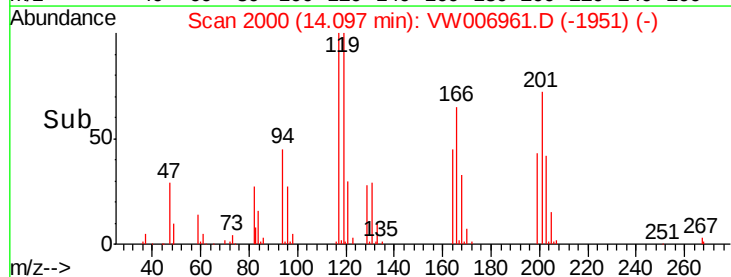
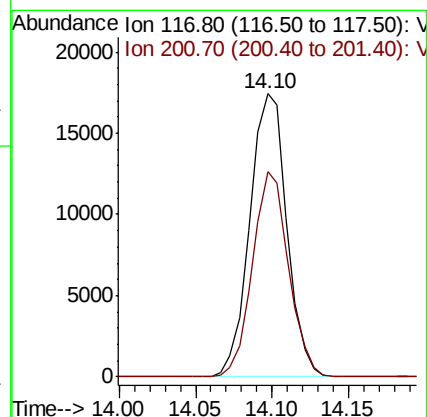
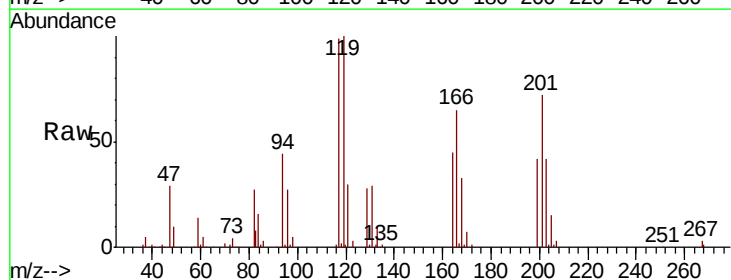
Acq: 19 Nov 2018 23:32

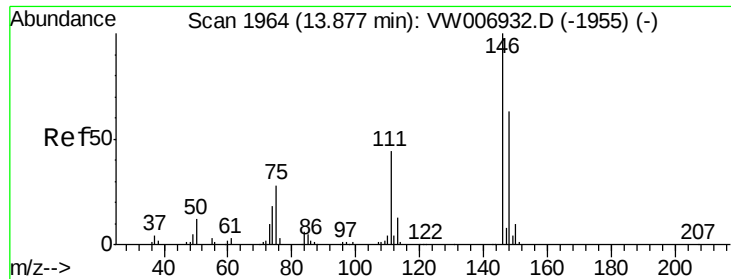
Tgt Ion: 117 Resp: 29317

Ion Ratio Lower Upper

117 100

201 70.6 33.8 101.4

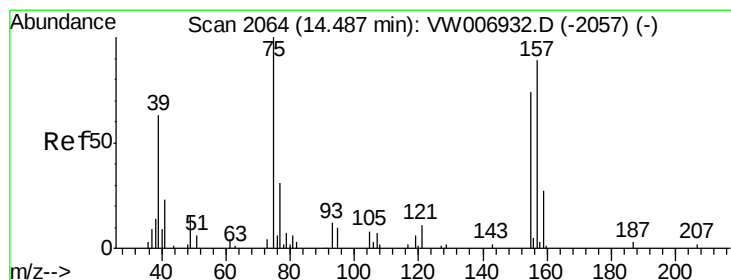
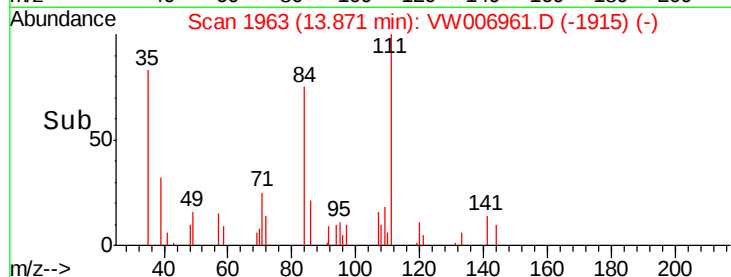
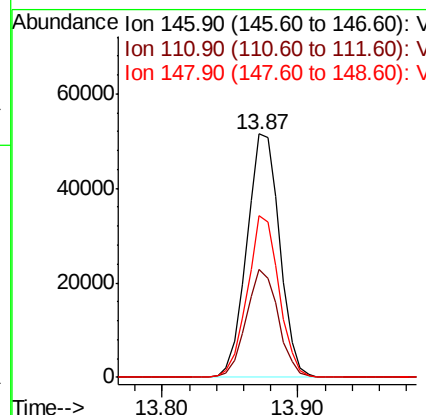
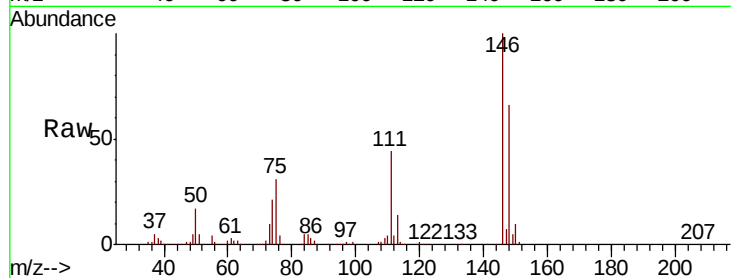




#91
 1,2-Dichlorobenzene
 Concen: 52.177 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

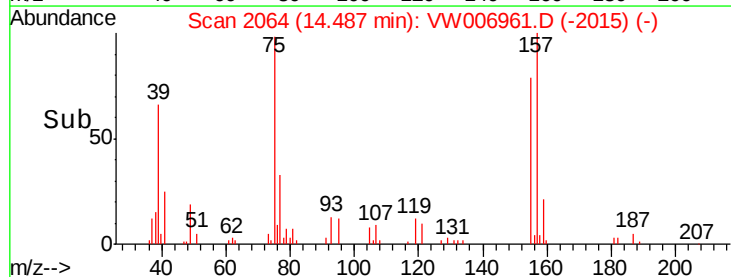
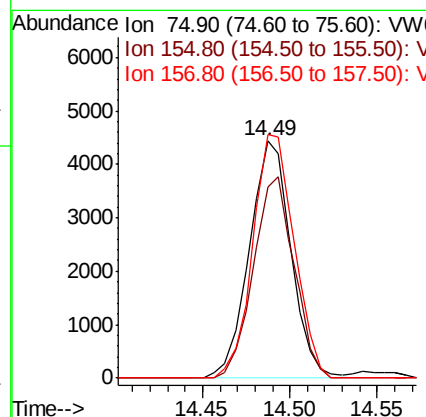
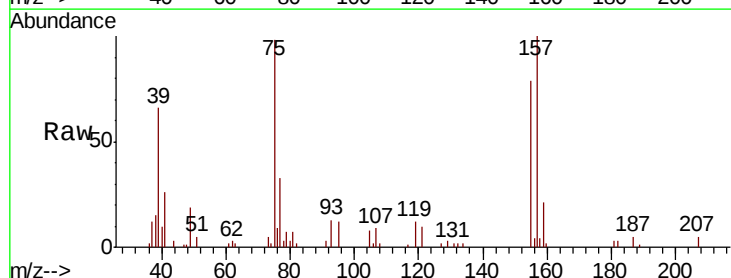
Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MS

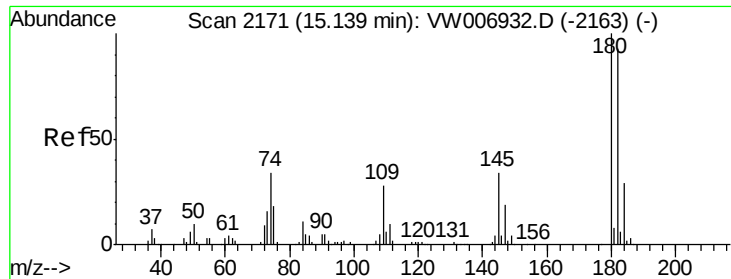
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.6	67.7
148	64.1	31.7	95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 66.947 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.0	38.6	115.7
157	102.0	49.7	149.1

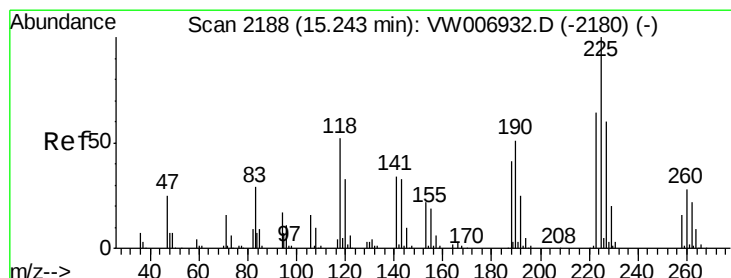
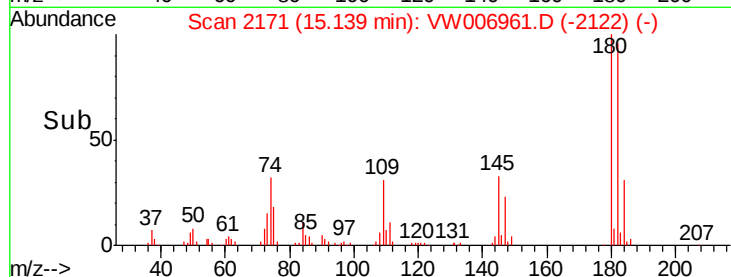
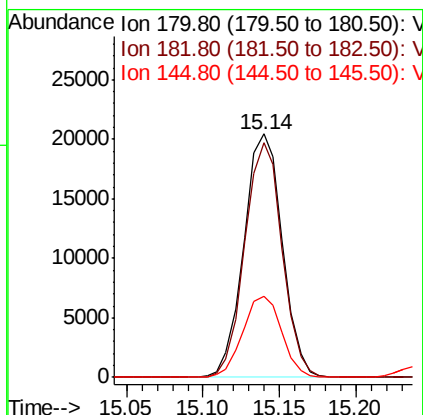
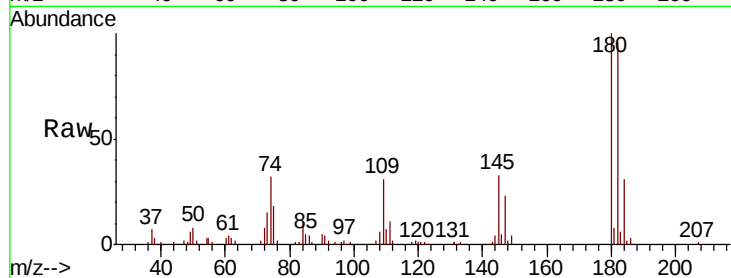




#93
 1,2,4-Trichlorobenzene
 Concen: 34.046 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

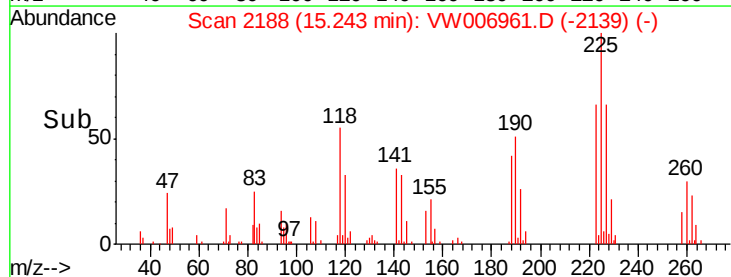
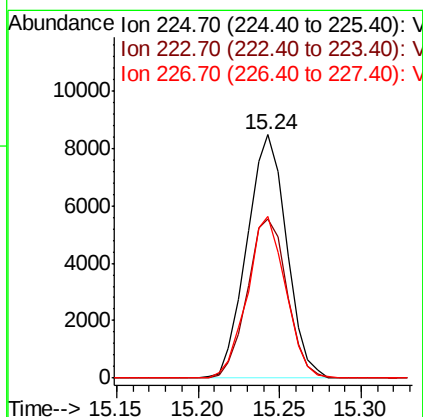
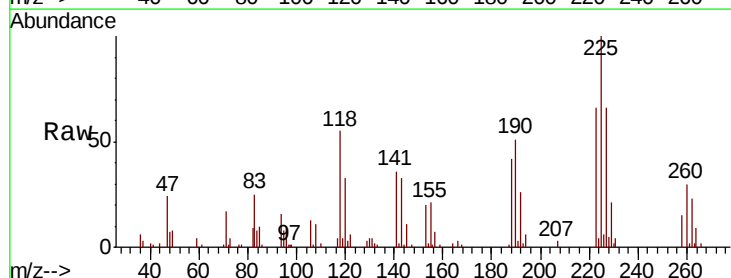
Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MS

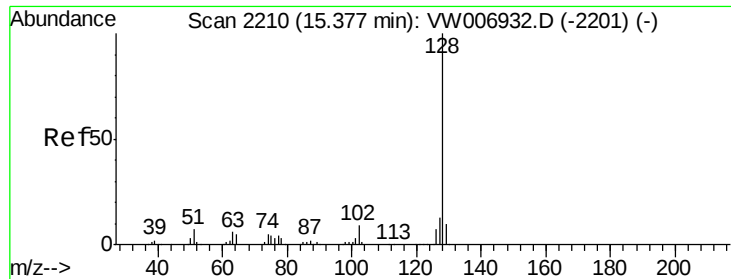
Tot Ion:180 Resp: 35717
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.3 141.9
 145 33.6 16.8 50.4



#94
 Hexachlorobutadiene
 Concen: 25.904 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Tgt Ion:225 Resp: 14355
 Ion Ratio Lower Upper
 225 100
 223 65.4 32.1 96.3
 227 63.9 31.6 95.0

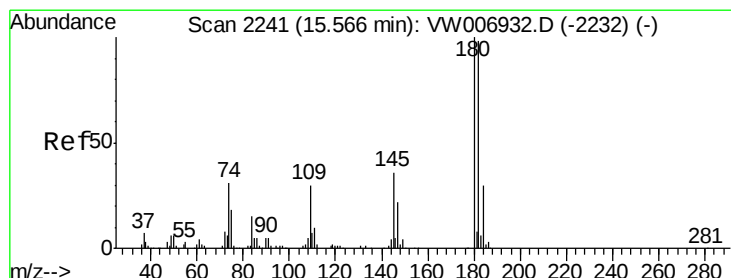
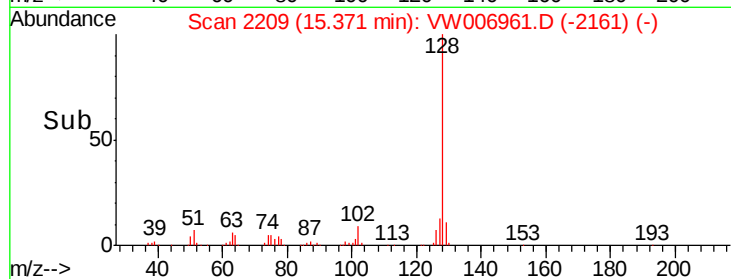
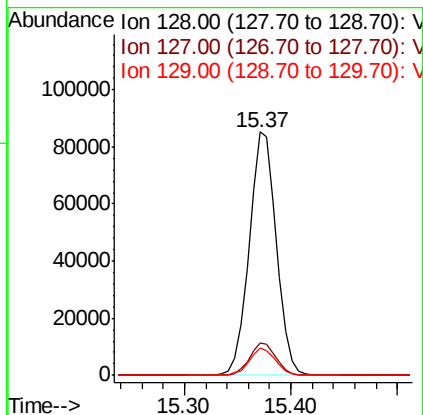
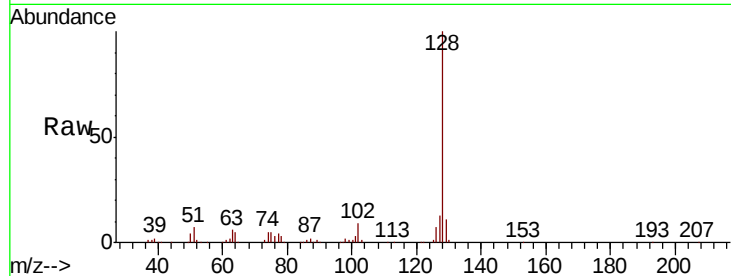




#95
Naphthalene
Concen: 75.286 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.7	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 35.684 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.4	142.2
145	35.1	17.6	52.9

