

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112618\
 Data File : VW007058.D
 Acq On : 26 Nov 2018 19:48
 Operator : VAY/AP
 Sample : J6003-05MSD
 Misc : 4.72G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 27 05:27:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	82884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	144425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	124886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	45296	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	52304	64.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.92%	
35) Dibromofluoromethane	7.88	113	44665	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	
50) Toluene-d8	10.33	98	178300	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
62) 4-Bromofluorobenzene	12.62	95	62534	44.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	42548	51.993	ug/l	100
3) Chloromethane	2.21	50	43508	63.796	ug/l	98
4) Vinyl Chloride	2.36	62	38893	57.963	ug/l	98
5) Bromomethane	2.78	94	23953	66.882	ug/l	96
6) Chloroethane	2.92	64	22460	60.722	ug/l	90
7) Trichlorofluoromethane	3.26	101	72324	54.815	ug/l	95
8) Diethyl Ether	3.69	74	27199	63.975	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	34673	40.535	ug/l	99
10) Methyl Iodide	4.28	142	60056	61.332	ug/l	98
11) Tert butyl alcohol	5.23	59	20197	382.340	ug/l #	71
12) 1,1-Dichloroethene	4.04	96	42309	56.396	ug/l	95
13) Acrolein	3.91	56	17297	318.845	ug/l	98
14) Allyl chloride	4.67	41	73214	58.838	ug/l	99
15) Acrylonitrile	5.38	53	59260	370.859	ug/l	100
16) Acetone	4.15	43	46289	392.901	ug/l	95
17) Carbon Disulfide	4.39	76	142707	58.837	ug/l	99
18) Methyl Acetate	4.68	43	42786	101.980	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	138859	70.887	ug/l	100
20) Methylene Chloride	4.92	84	59798	65.348	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	50546	57.838	ug/l	98
22) Diisopropyl ether	6.32	45	152810	63.094	ug/l	98
23) Vinyl Acetate	6.26	43	417741	324.800	ug/l	100
24) 1,1-Dichloroethane	6.23	63	87492	59.382	ug/l	99
25) 2-Butanone	7.18	43	74511	369.264	ug/l	99
26) 2,2-Dichloropropane	7.17	77	74301	56.078	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	56275	60.468	ug/l	99
28) Bromochloromethane	7.52	49	35255	64.022	ug/l	97
29) Tetrahydrofuran	7.54	42	48319	369.739	ug/l	100
30) Chloroform	7.68	83	93619	59.809	ug/l	100
31) Cyclohexane	7.96	56	48830	31.245	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	80259	56.925	ug/l	99
36) 1,1-Dichloropropene	8.09	75	67634	47.922	ug/l	98
37) Ethyl Acetate	7.26	43	32651	63.843	ug/l	96
38) Carbon Tetrachloride	8.07	117	65011	48.103	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112618\
 Data File : VW007058.D
 Acq On : 26 Nov 2018 19:48
 Operator : VAY/AP
 Sample : J6003-05MSD
 Misc : 4.72G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 27 05:27:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	31856	18.037	ug/l	96
40) Benzene	8.33	78	209176	54.907	ug/l	98
41) Methacrylonitrile	7.49	41	19627	61.796	ug/l	97
42) 1,2-Dichloroethane	8.40	62	65431	59.157	ug/l	99
43) Isopropyl Acetate	8.43	43	64894	66.584	ug/l	96
44) Trichloroethene	9.09	130	56320	52.737	ug/l	94
45) 1,2-Dichloropropane	9.37	63	51814	55.173	ug/l	98
46) Dibromomethane	9.46	93	28530	60.665	ug/l	98
47) Bromodichloromethane	9.65	83	71783	57.932	ug/l	96
48) Methyl methacrylate	9.44	41	34518	73.453	ug/l	95
49) 1,4-Dioxane	9.48	88	9025	1291.132	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	167288	339.653	ug/l	99
52) Toluene	10.39	92	133534	51.505	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	73025	60.838	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	84922	58.561	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	48012	69.389	ug/l	98
56) Ethyl methacrylate	10.65	69	59954	74.647	ug/l	98
57) 1,3-Dichloropropane	10.93	76	70027	60.392	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	126599	301.643	ug/l	99
59) 2-Hexanone	10.97	43	130885	388.063	ug/l	94
60) Dibromochloromethane	11.13	129	61656	78.202	ug/l	87
61) 1,2-Dibromoethane	11.24	107	40384	63.802	ug/l	99
64) Tetrachloroethene	10.87	164	34774	43.283	ug/l	98
65) Chlorobenzene	11.66	112	142354	54.614	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	46810	59.366	ug/l	99
67) Ethyl Benzene	11.73	91	213851	44.660	ug/l	99
68) m/p-Xylenes	11.84	106	162980	86.754	ug/l	99
69) o-Xylene	12.17	106	81721	46.133	ug/l	99
70) Styrene	12.18	104	148571	52.697	ug/l	99
71) Bromoform	12.35	173	27224	73.291	ug/l #	99
73) Isopropylbenzene	12.47	105	251557	71.458	ug/l	99
74) N-amyl acetate	12.27	43	71984	122.006	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.72	83	52171	111.358	ug/l	88
76) 1,2,3-Trichloropropane	12.77	75	60361	169.586	ug/l #	100
77) Bromobenzene	12.75	156	53936	71.334	ug/l	97
78) n-propylbenzene	12.81	91	310957	72.923	ug/l	100
79) 2-Chlorotoluene	12.90	91	124799	50.758	ug/l	85
80) 1,3,5-Trimethylbenzene	12.95	105	112515	36.960	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16474	116.200	ug/l #	86
82) 4-Chlorotoluene	12.99	91	134629	52.178	ug/l	95
83) tert-Butylbenzene	13.21	119	89707	34.036	ug/l	95
84) 1,2,4-Trimethylbenzene	13.26	105	122854	40.506	ug/l	98
85) sec-Butylbenzene	13.39	105	230107	61.800	ug/l	91
86) p-Isopropyltoluene	13.51	119	74361	22.638	ug/l	94
87) 1,3-Dichlorobenzene	13.50	146	73704	47.748	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	75763	49.228	ug/l	96
89) n-Butylbenzene	13.83	91	130153	42.104	ug/l	88
90) Hexachloroethane	14.10	117	61195	127.602	ug/l #	31
91) 1,2-Dichlorobenzene	13.87	146	73272	54.173	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8401	106.173	ug/l	88

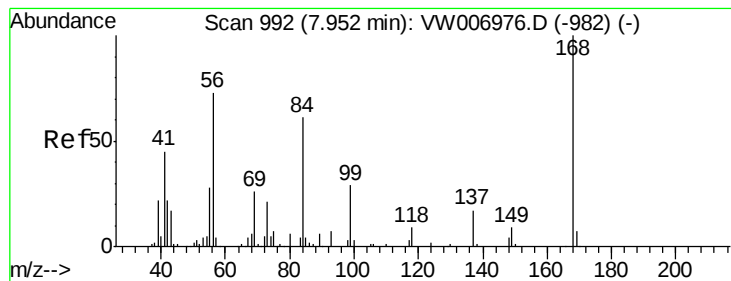
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112618\
Data File : VW007058.D
Acq On : 26 Nov 2018 19:48
Operator : VAY/AP
Sample : J6003-05MSD
Misc : 4.72G/5ML/MSVOA W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Nov 27 05:27:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 21 03:23:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	20974	23.516	ug/l #	1
94) Hexachlorobutadiene	15.25	225	3372	6.955	ug/l	99
95) Naphthalene	15.38	128	103604	63.993	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.57	180	22810	30.827	ug/l #	1

(#) = 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. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Instrument :

MSVOA_W

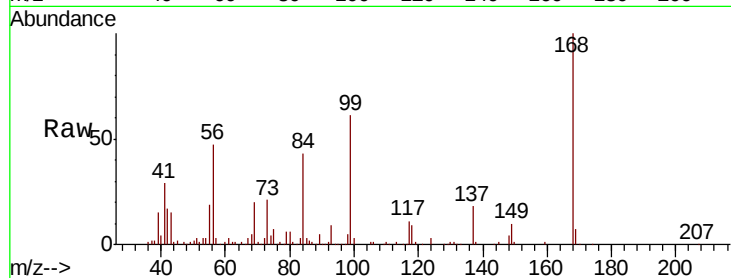
ClientSampled :

Tot Ion:168 Resp: 82884

Ion Ratio Lower Upper

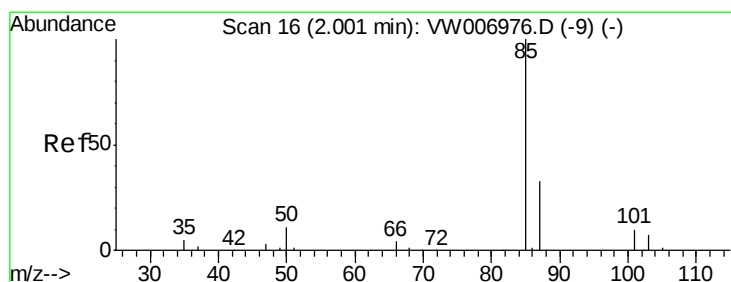
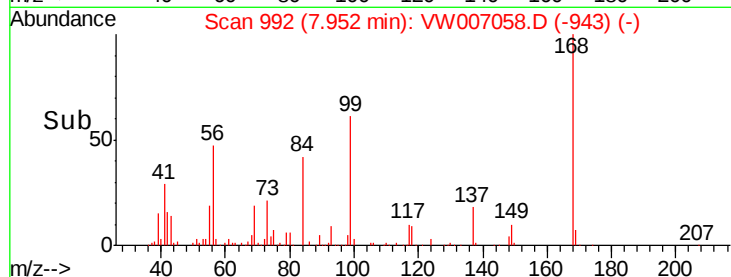
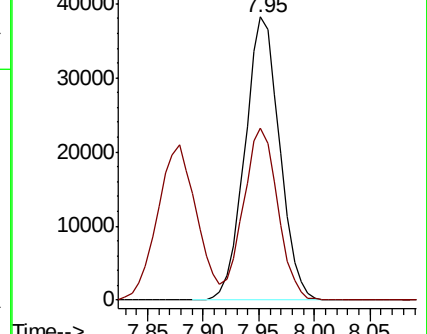
168 100

99 60.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 51.993 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW007058.D

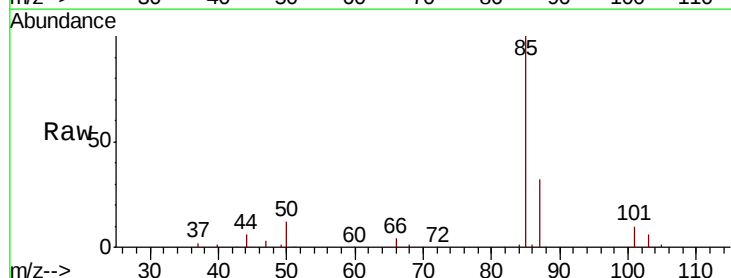
Acq: 26 Nov 2018 19:48

Tgt Ion: 85 Resp: 42548

Ion Ratio Lower Upper

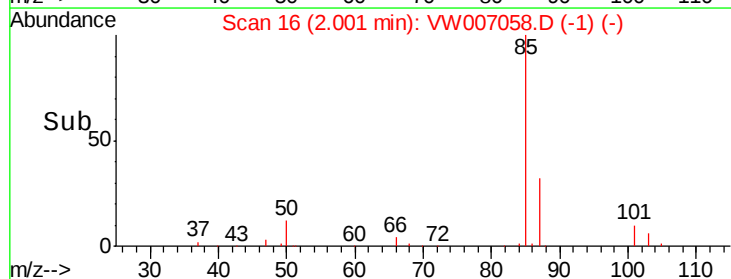
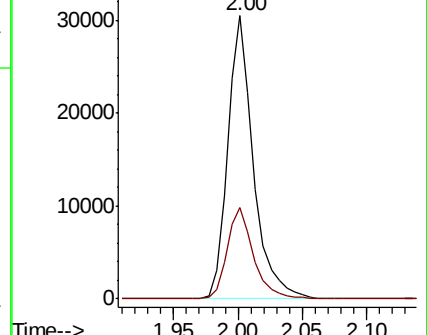
85 100

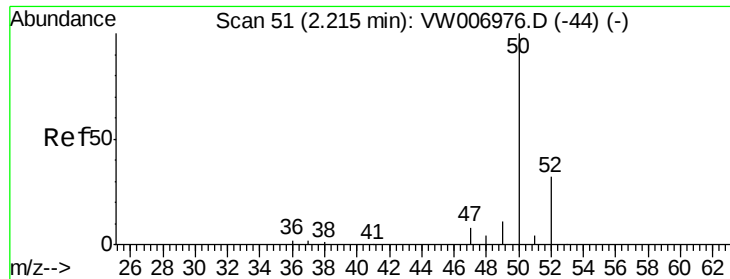
87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 63.796 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

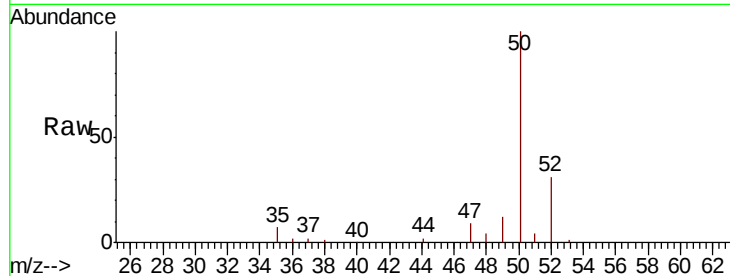
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 50 Resp: 43508

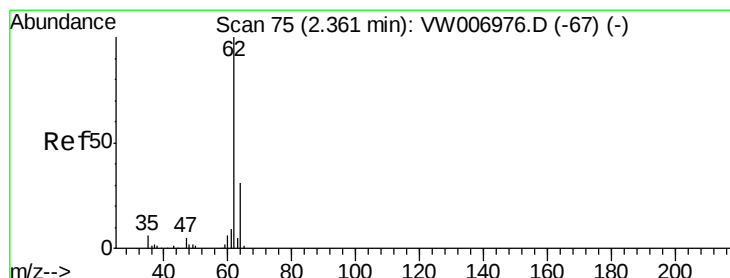
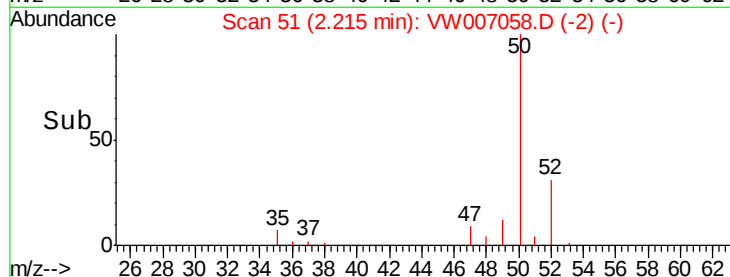
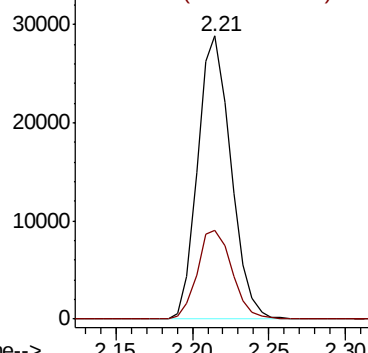
Ion Ratio Lower Upper

50 100

52 31.2 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VW
Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 57.963 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW007058.D

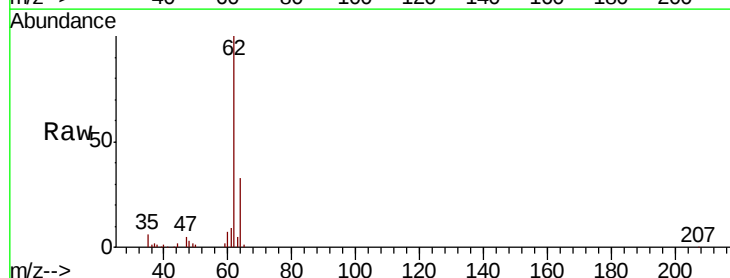
Acq: 26 Nov 2018 19:48

Tgt Ion: 62 Resp: 38893

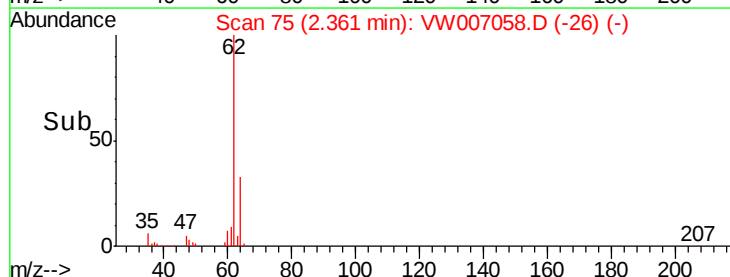
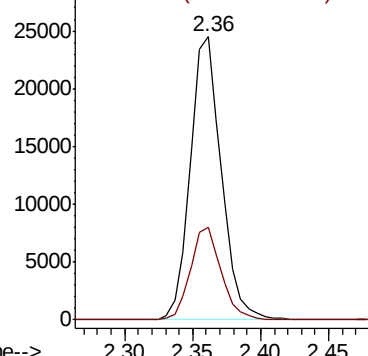
Ion Ratio Lower Upper

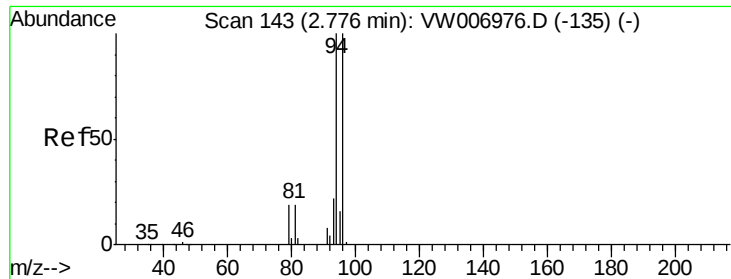
62 100

64 32.6 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 66.882 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Instrument :

MSVOA_W

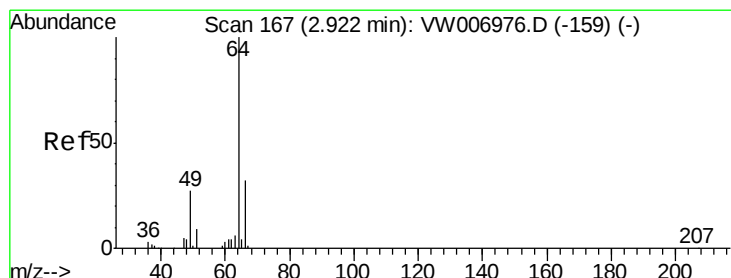
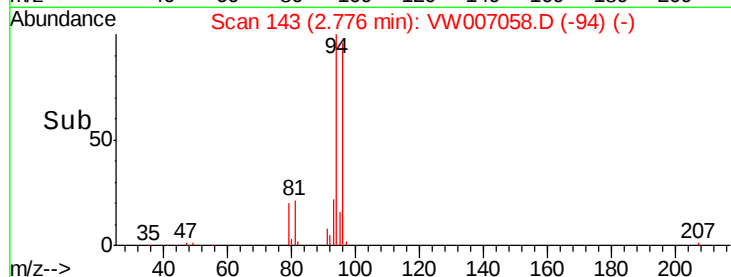
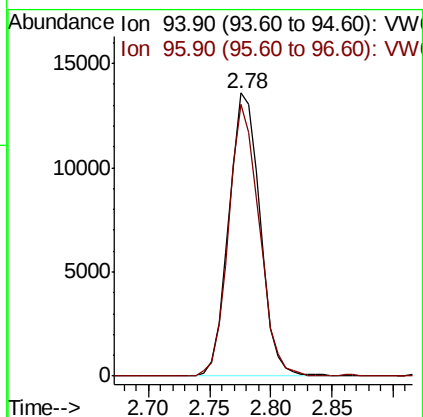
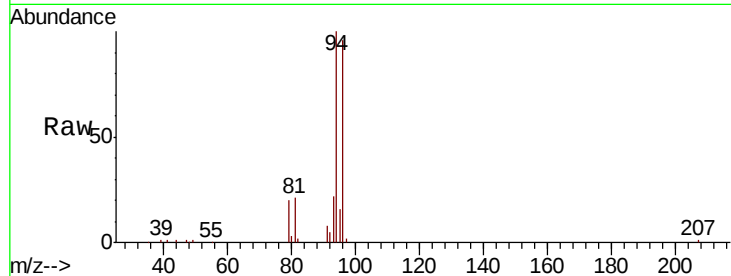
ClientSampled :

Tot Ion: 94 Resp: 23953

Ion Ratio Lower Upper

94 100

96 96.2 80.2 120.2



#6

Chloroethane

Concen: 60.722 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW007058.D

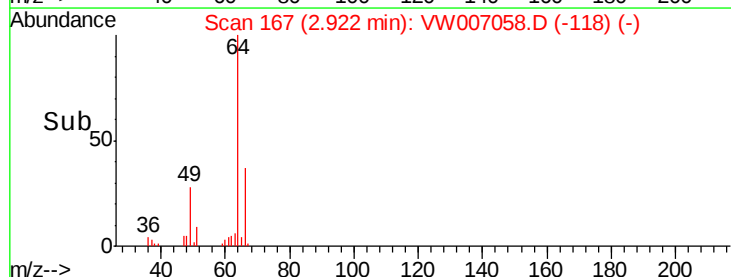
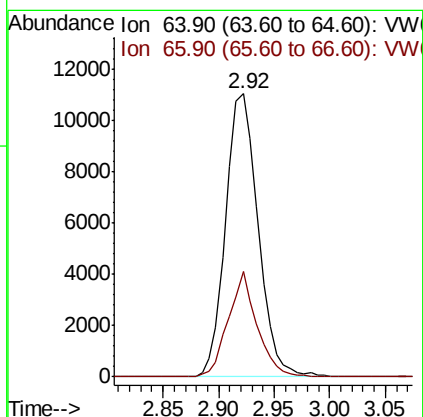
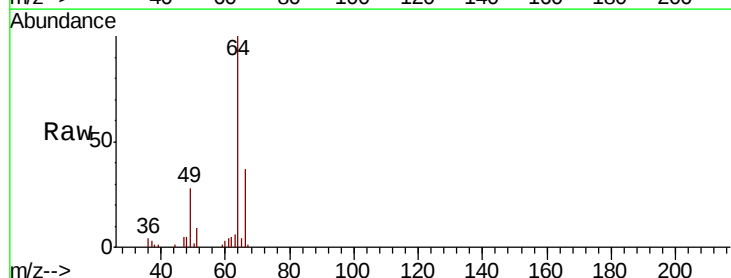
Acq: 26 Nov 2018 19:48

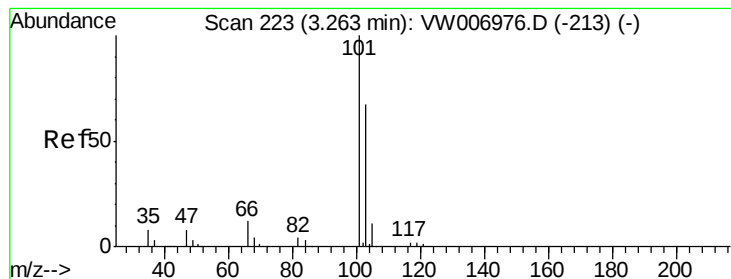
Tgt Ion: 64 Resp: 22460

Ion Ratio Lower Upper

64 100

66 37.3 25.3 37.9



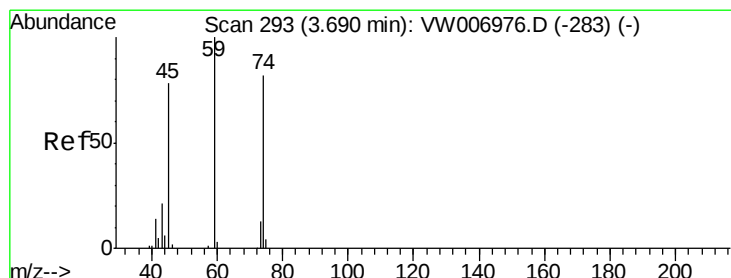
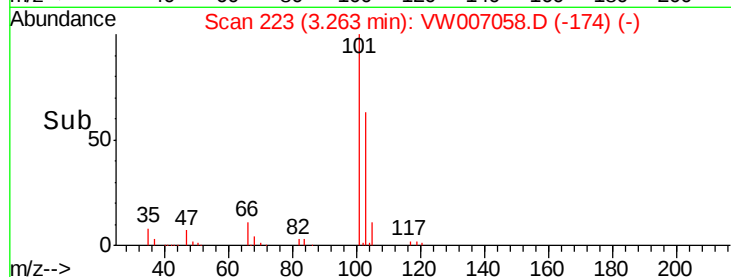
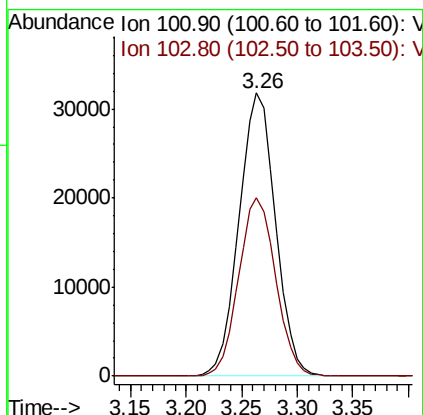
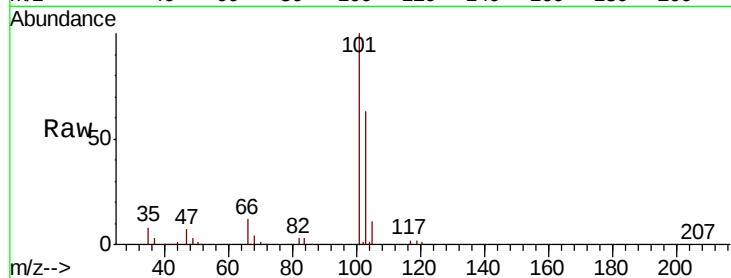


#7

Trichlorofluoromethane
Concen: 54.815 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

Instrument :
MSVOA_W
ClientSampleId :

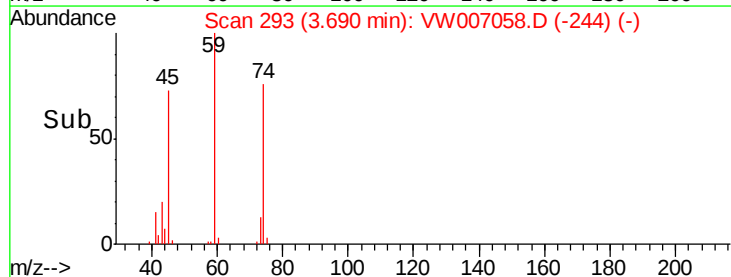
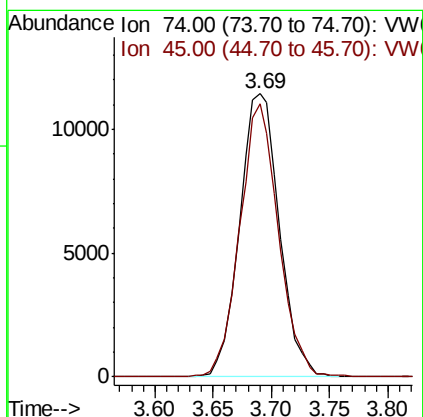
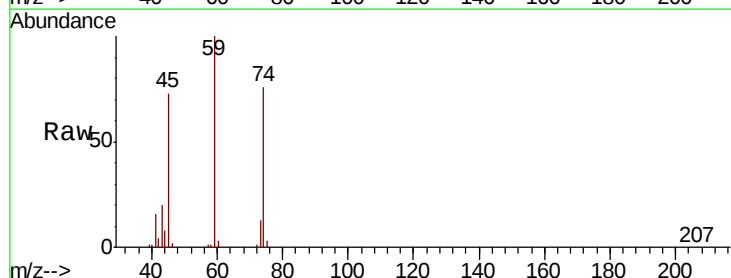
Tot Ion:101 Resp: 72324
Ion Ratio Lower Upper
101 100
103 62.9 53.4 80.2

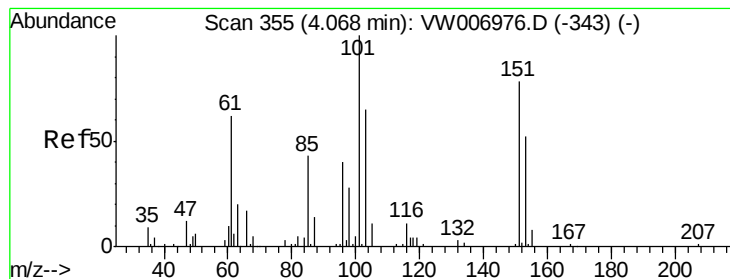


#8

Diethyl Ether
Concen: 63.975 ug/l
RT: 3.69 min Scan# 293
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

Tgt Ion: 74 Resp: 27199
Ion Ratio Lower Upper
74 100
45 94.3 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.535 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Instrument :

MSVOA_W

ClientSampled :

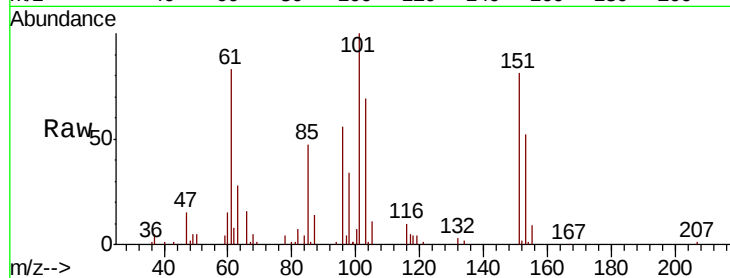
Tot Ion:101 Resp: 34673

Ion Ratio Lower Upper

101 100

85 43.3 34.3 51.5

151 80.4 63.4 95.2

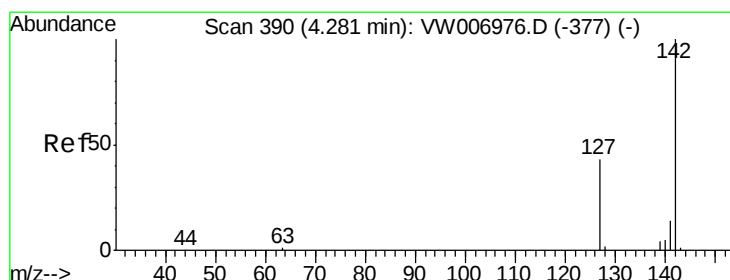
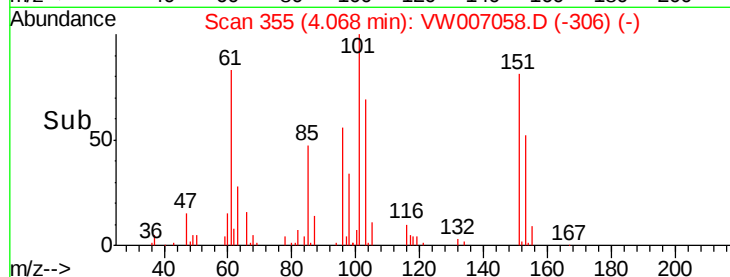
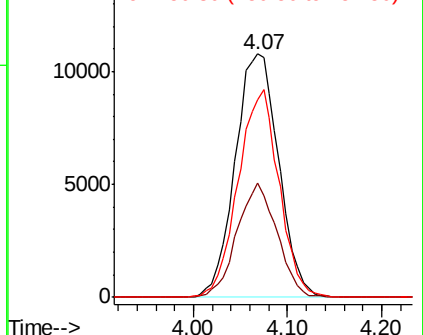


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 61.332 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.01 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

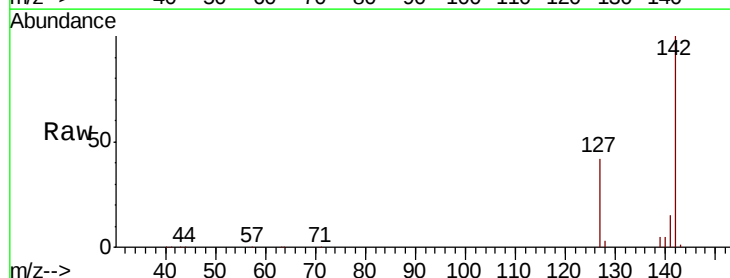
Tgt Ion:142 Resp: 60056

Ion Ratio Lower Upper

142 100

127 42.9 35.3 52.9

141 14.9 11.7 17.5

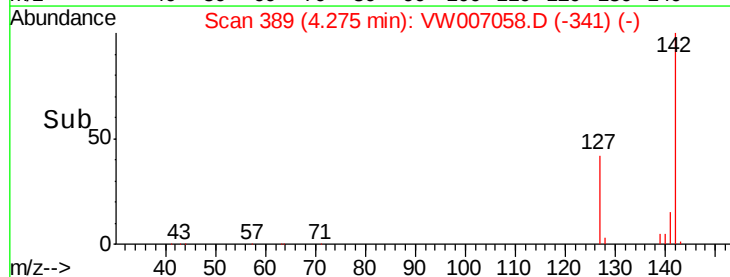
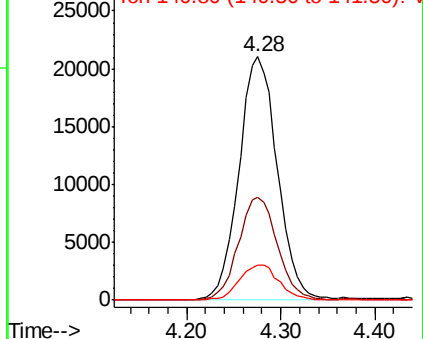


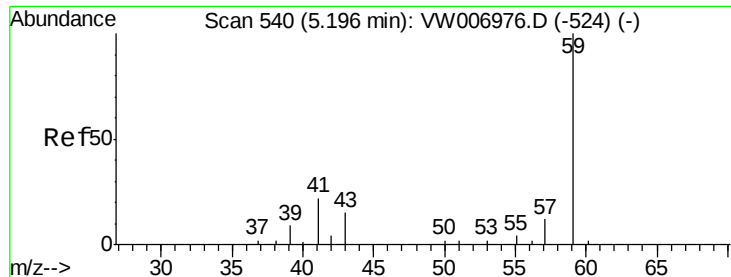
Abundance

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

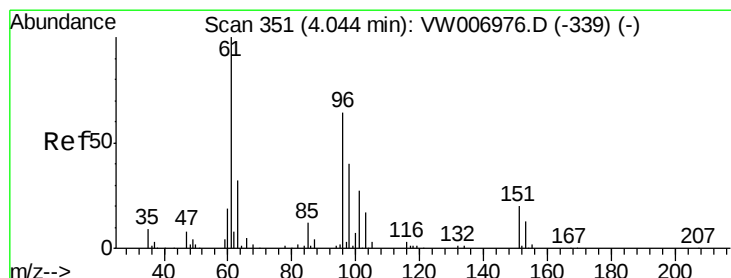
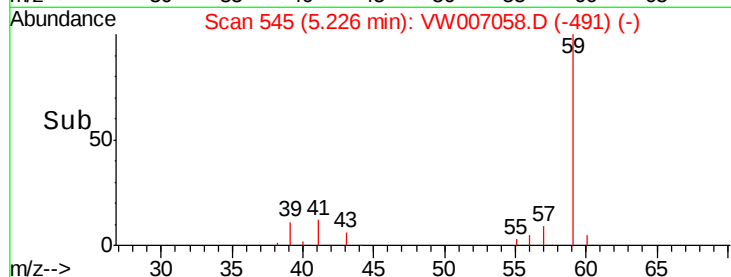
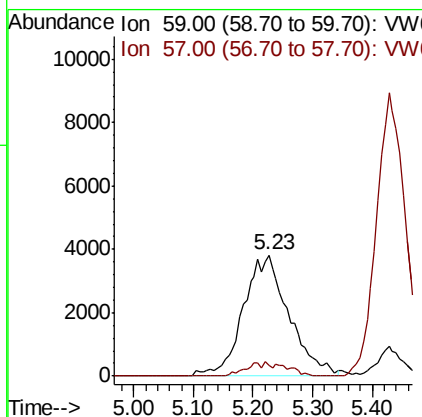
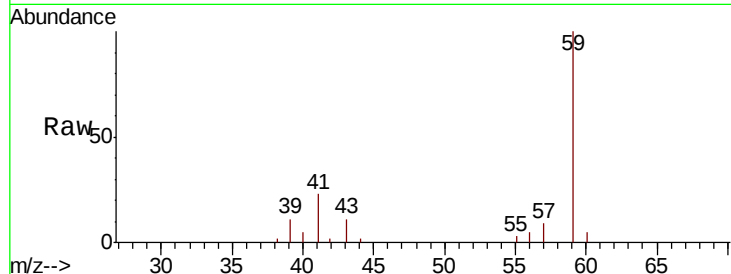




#11
Tert butyl alcohol
Concen: 382.340 ug/l
RT: 5.23 min Scan# 545
Delta R.T. 0.03 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

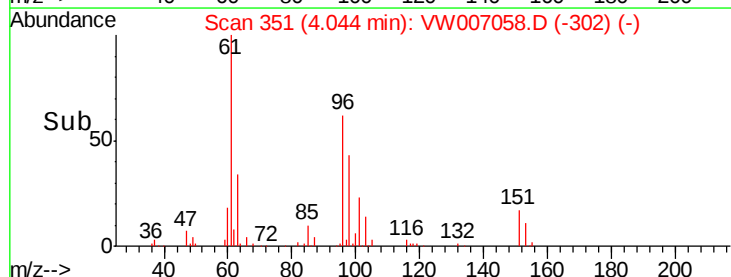
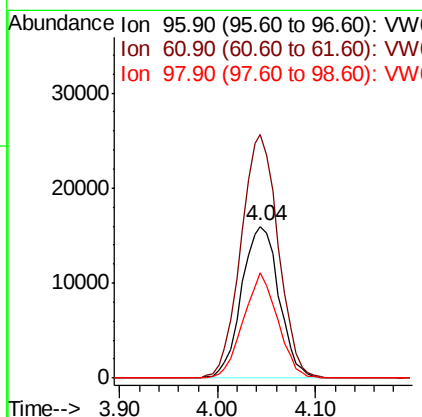
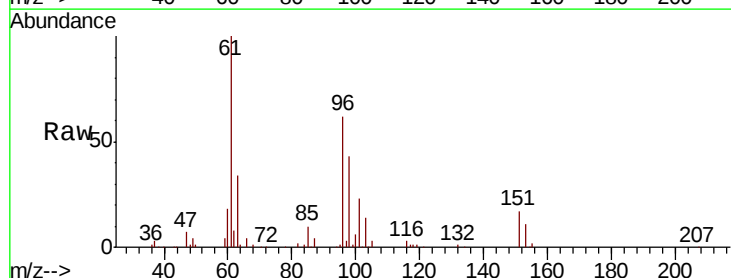
Instrument :
MSVOA_W
ClientSampled :

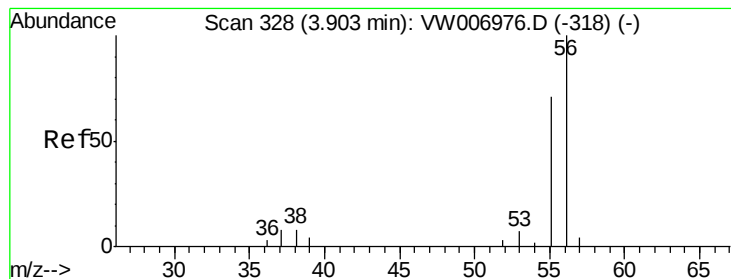
Tot Ion: 59 Resp: 20197
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#12
1,1-Dichloroethene
Concen: 56.396 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

Tgt Ion: 96 Resp: 42309
Ion Ratio Lower Upper
96 100
61 160.4 124.3 186.5
98 69.2 49.4 74.2





#13

Acrolein

Concen: 318.845 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Instrument :

MSVOA_W

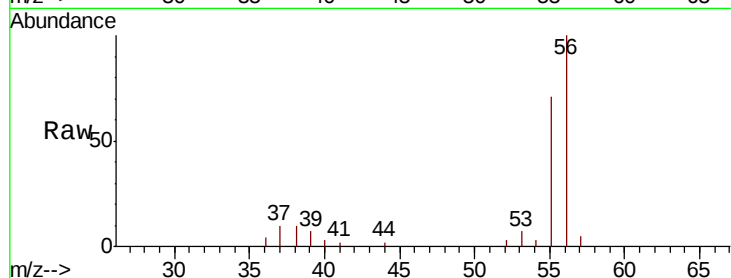
ClientSampleId :

Tot Ion: 56 Resp: 17297

Ion Ratio Lower Upper

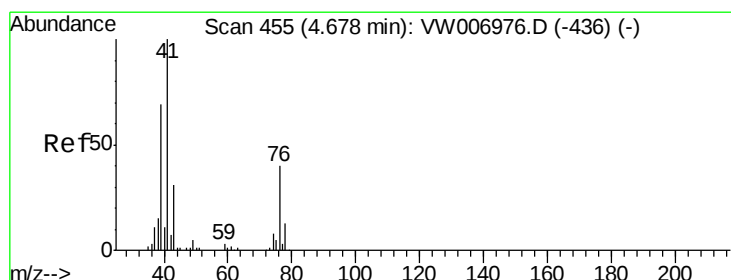
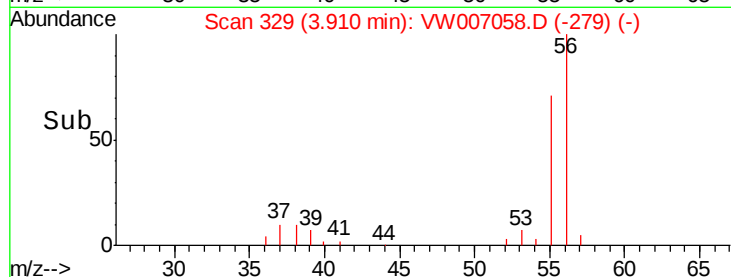
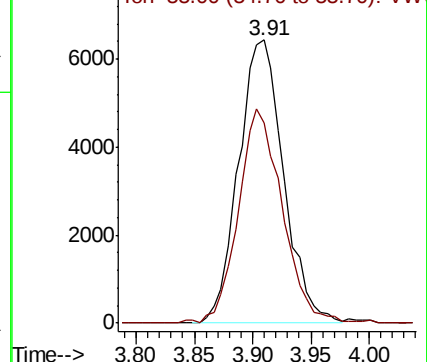
56 100

55 73.9 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 58.838 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

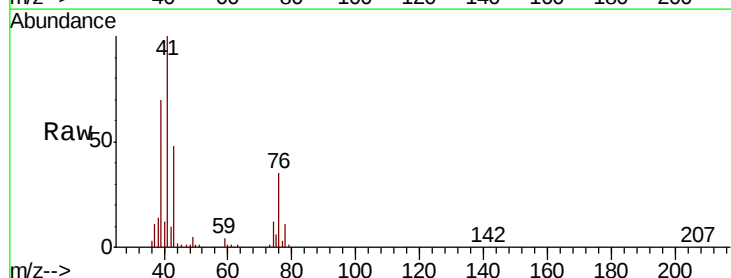
Tgt Ion: 41 Resp: 73214

Ion Ratio Lower Upper

41 100

39 69.8 55.4 83.2

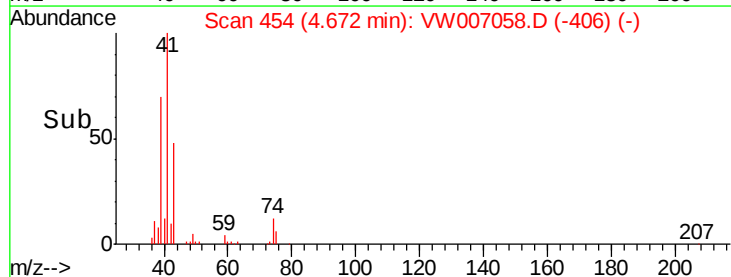
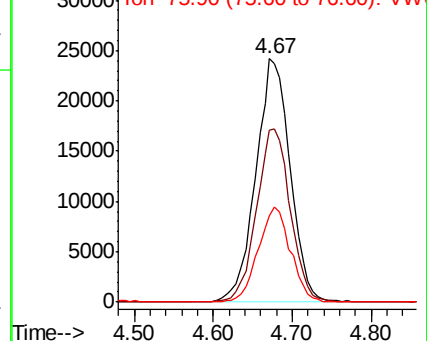
76 36.7 29.6 44.4

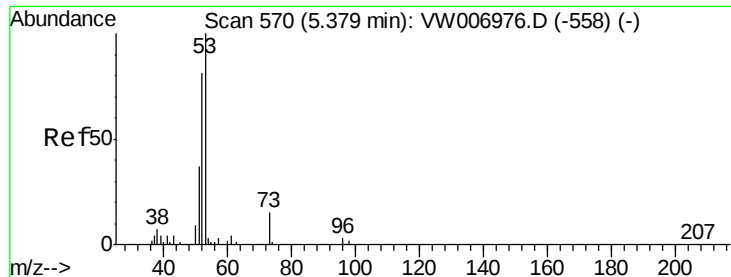


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 370.859 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Instrument :

MSVOA_W

ClientSampled :

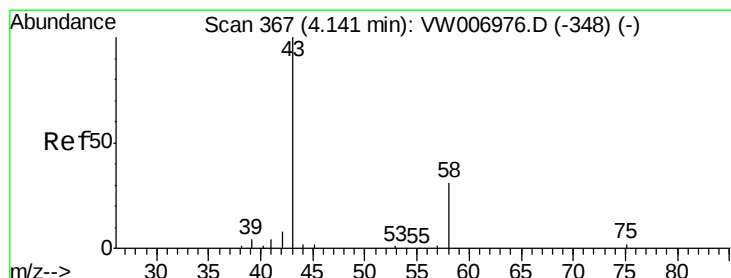
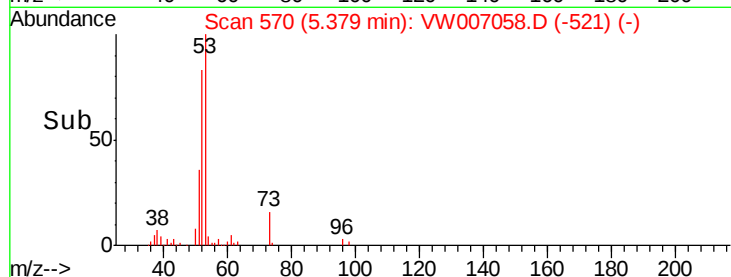
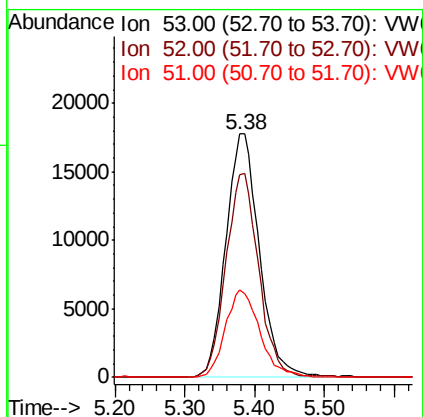
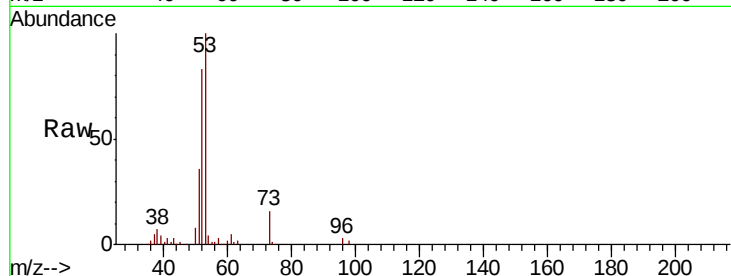
Tot Ion: 53 Resp: 59260

Ion Ratio Lower Upper

53 100

52 81.9 65.7 98.5

51 36.8 29.9 44.9



#16

Acetone

Concen: 392.901 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW007058.D

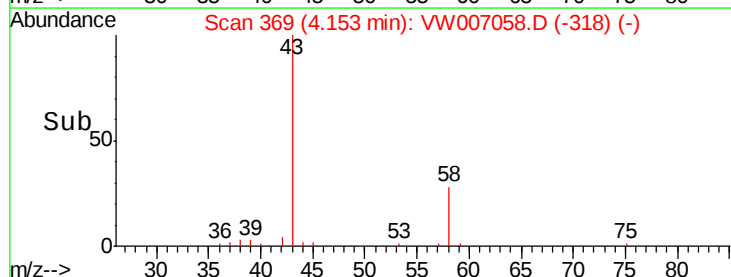
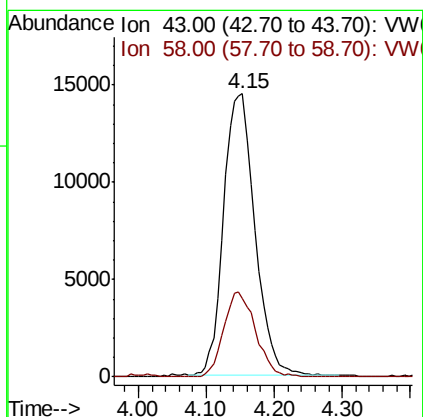
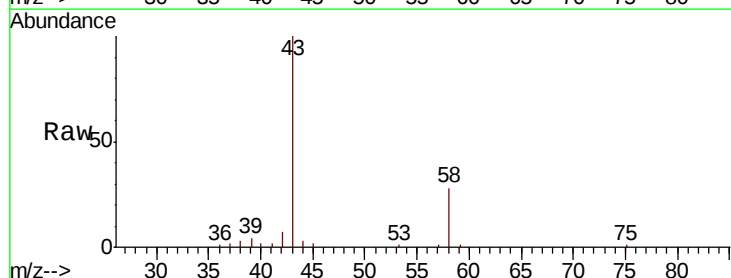
Acq: 26 Nov 2018 19:48

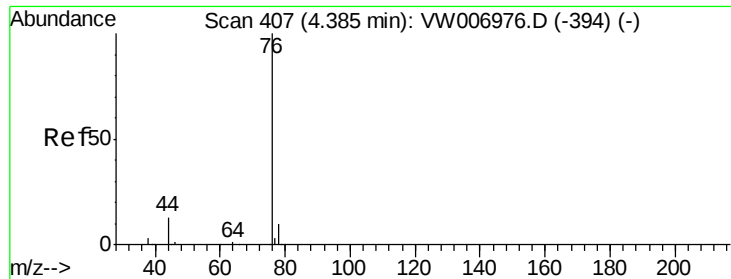
Tgt Ion: 43 Resp: 46289

Ion Ratio Lower Upper

43 100

58 28.1 24.8 37.2

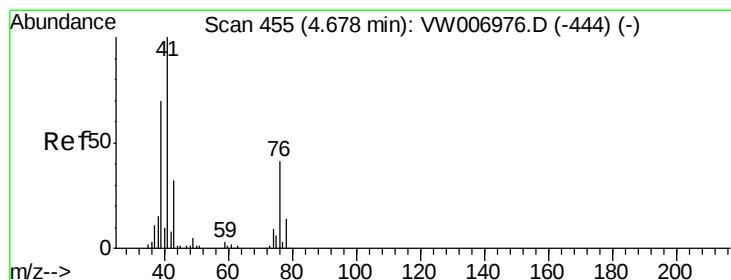
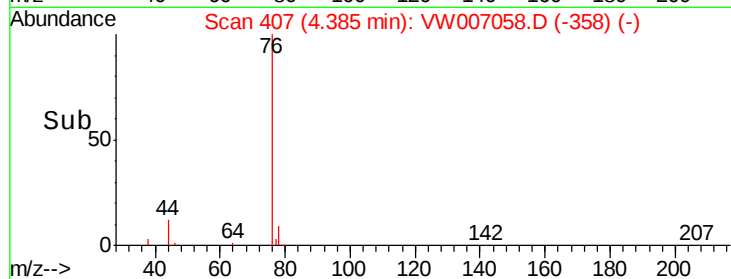
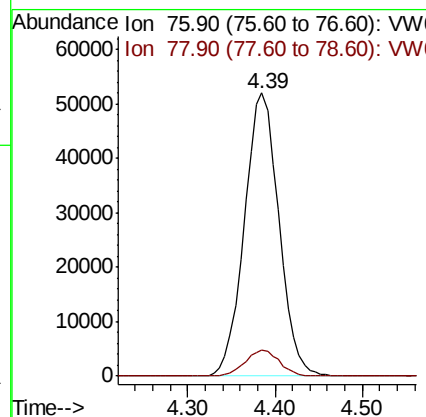
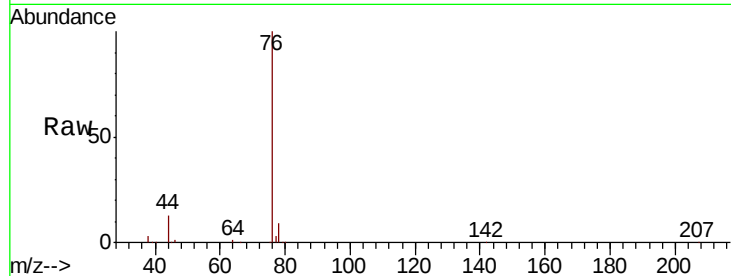




#17
Carbon Disulfide
Concen: 58.837 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

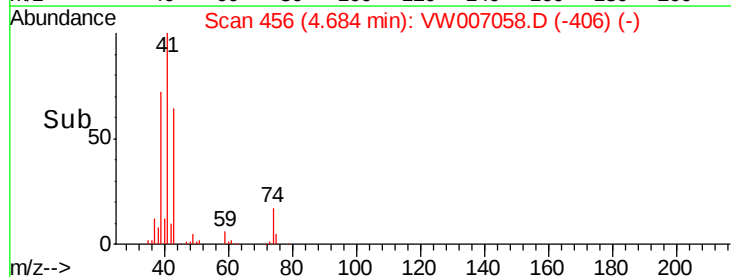
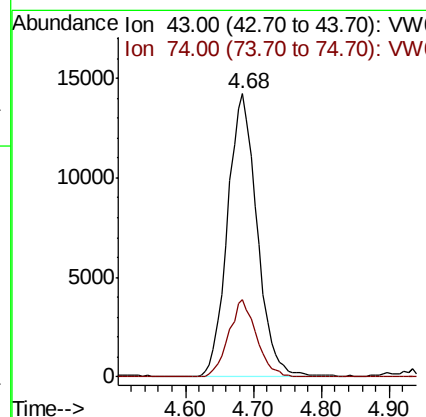
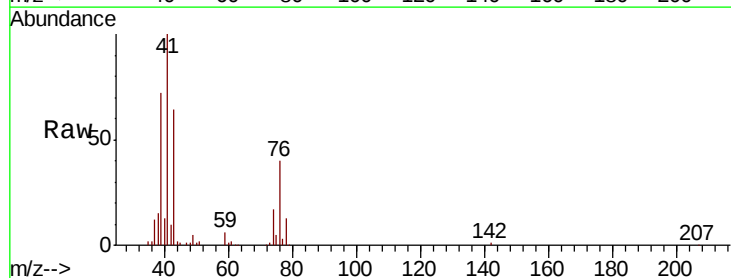
Instrument :
MSVOA_W
ClientSampled :

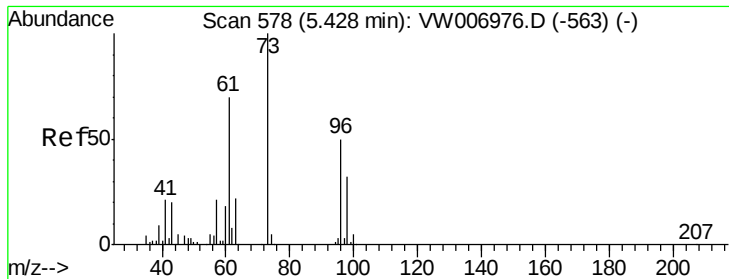
Tot Ion: 76 Resp: 142707
Ion Ratio Lower Upper
76 100
78 9.4 7.8 11.6



#18
Methyl Acetate
Concen: 101.980 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

Tgt Ion: 43 Resp: 42786
Ion Ratio Lower Upper
43 100
74 25.6 20.1 30.1

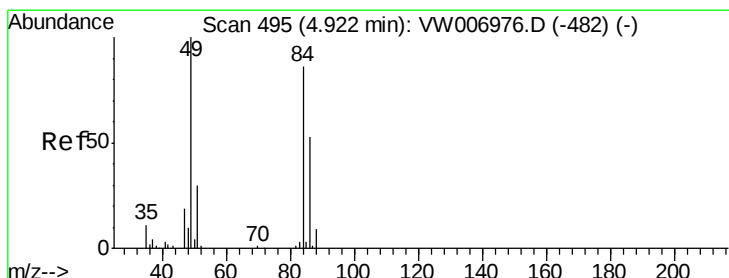
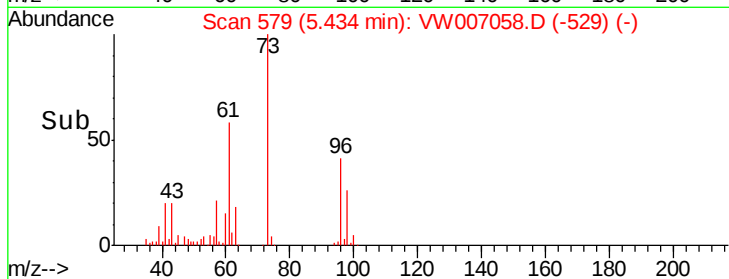
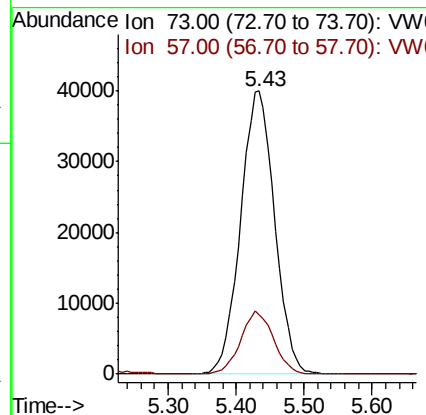
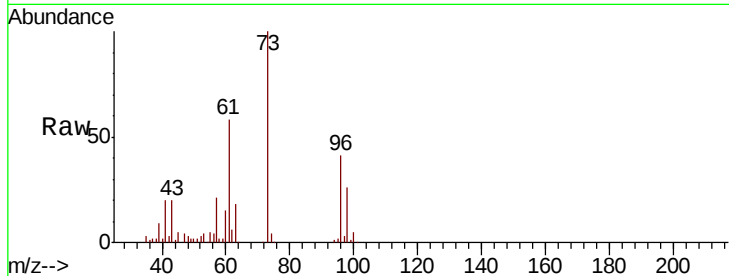




#19
Methvl tert-butvl Ether
Concen: 70.887 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

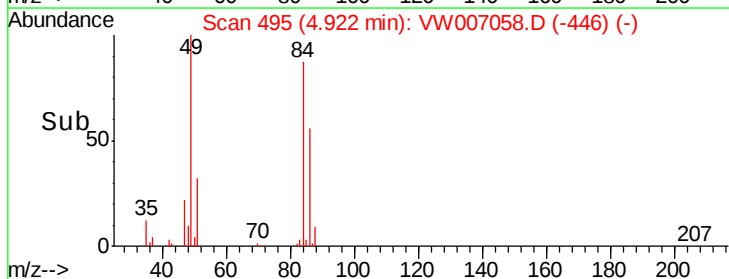
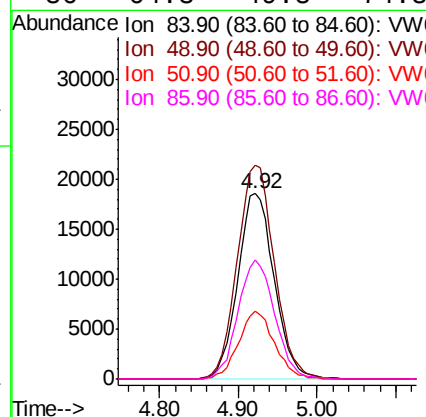
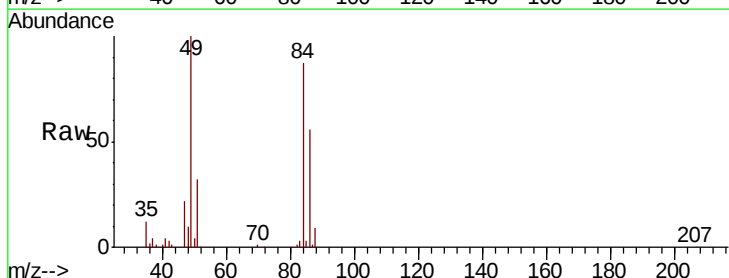
Instrument :
MSVOA_W
ClientSampled :

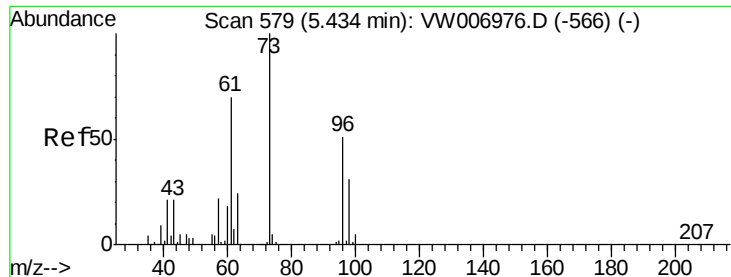
Tot Ion: 73 Resp: 138859
Ion Ratio Lower Upper
73 100
57 21.0 16.7 25.1



#20
Methylene Chloride
Concen: 65.348 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

Tgt Ion: 84 Resp: 59798
Ion Ratio Lower Upper
84 100
49 115.1 93.4 140.0
51 36.8 28.4 42.6
86 64.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 57.838 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Instrument :

MSVOA_W

ClientSampleId :

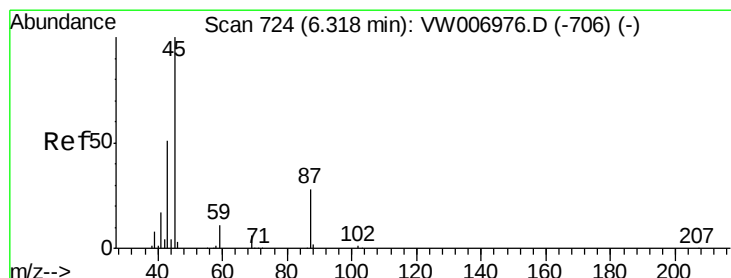
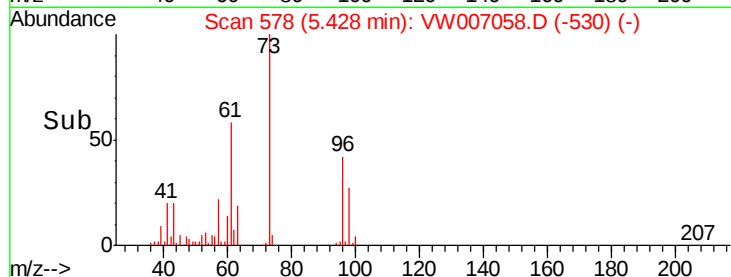
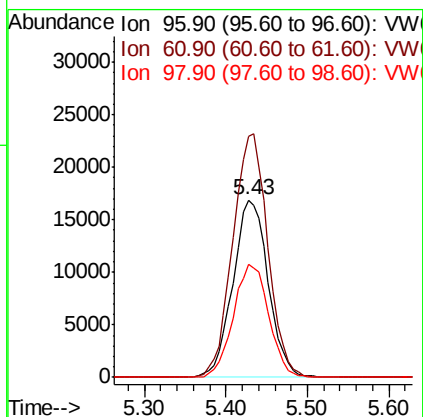
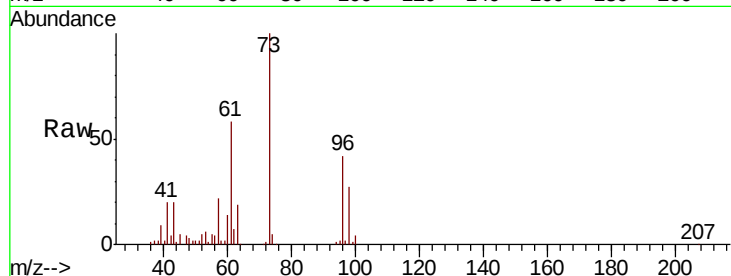
Tot Ion: 96 Resp: 50546

Ion Ratio Lower Upper

96 100

61 135.9 109.4 164.0

98 64.0 48.3 72.5



#22

Diisopropyl ether

Concen: 63.094 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Tgt Ion: 45 Resp: 152810

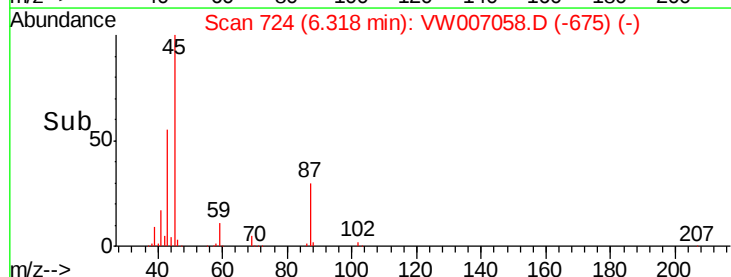
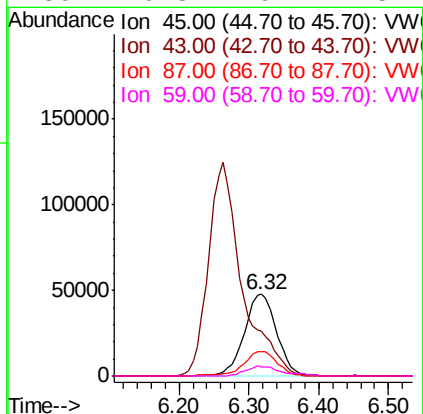
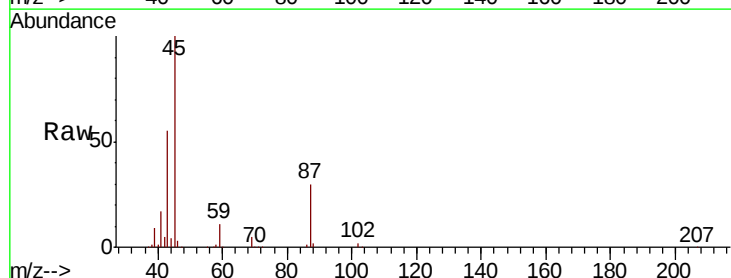
Ion Ratio Lower Upper

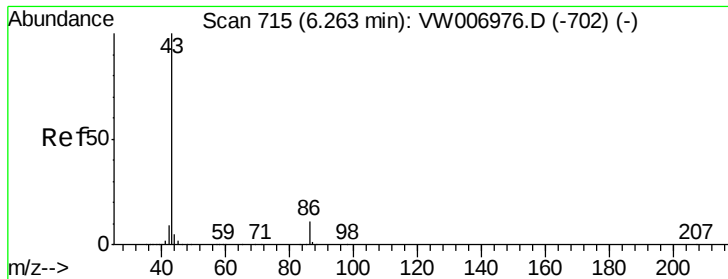
45 100

43 54.3 42.5 63.7

87 30.0 22.8 34.2

59 10.8 9.1 13.7





#23

Vinyl Acetate

Concen: 324.800 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Instrument :

MSVOA_W

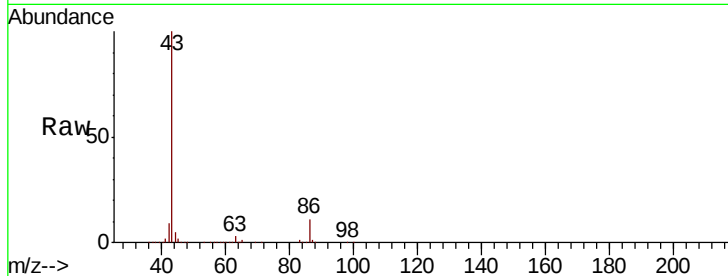
ClientSampled :

Tot Ion: 43 Resp: 417741

Ion Ratio Lower Upper

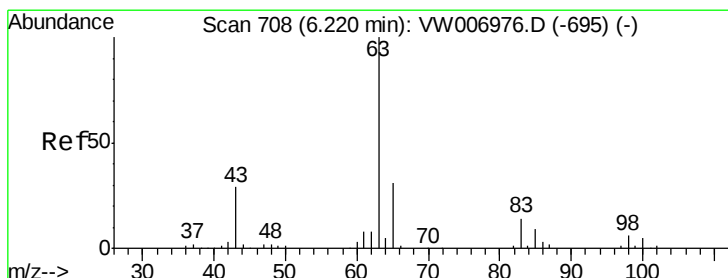
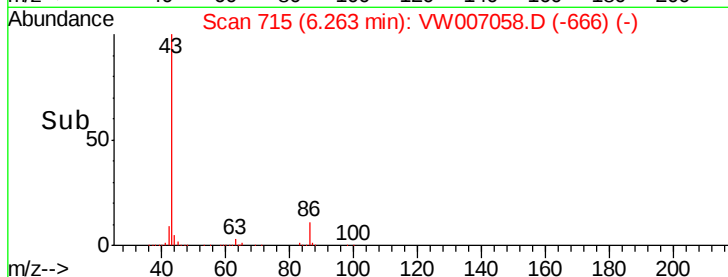
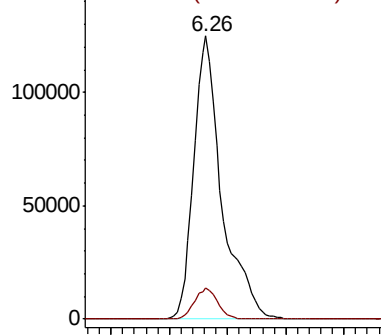
43 100

86 10.9 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: 59.382 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

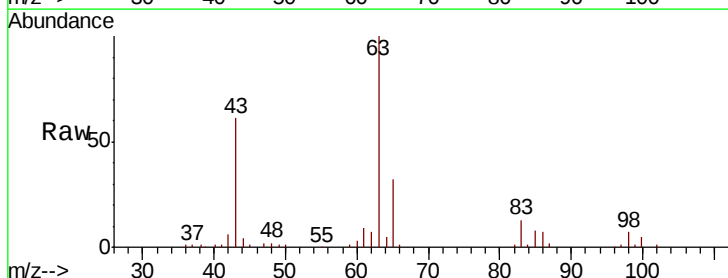
Tgt Ion: 63 Resp: 87492

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

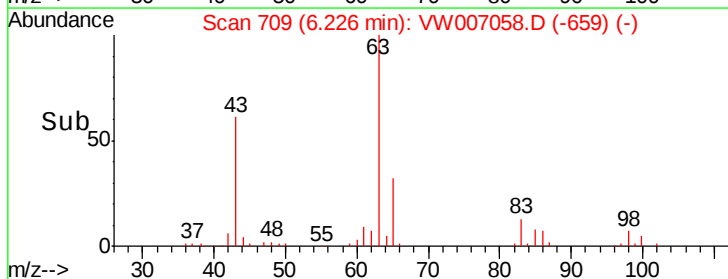
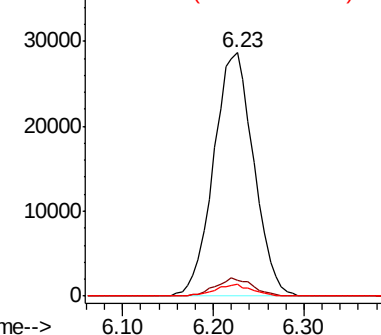
100 4.9 2.3 6.9

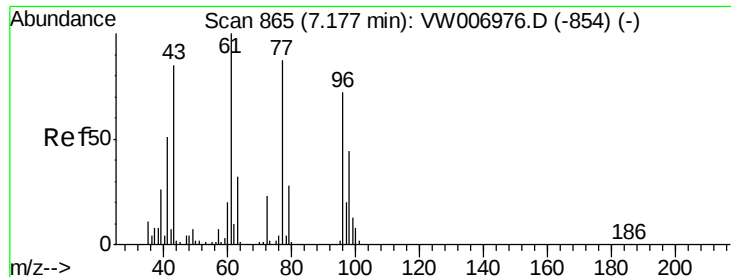


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 369.264 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

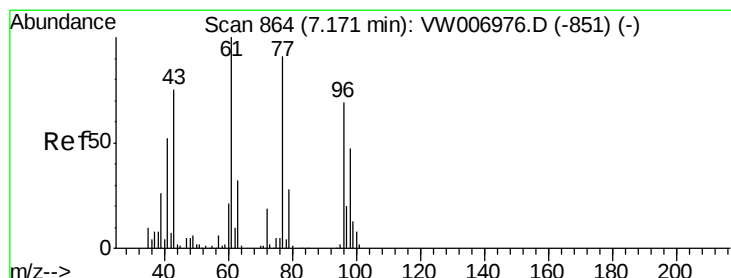
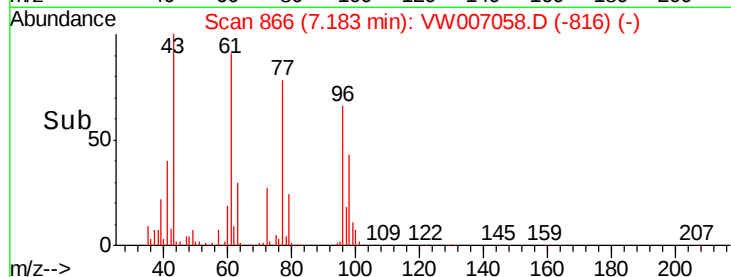
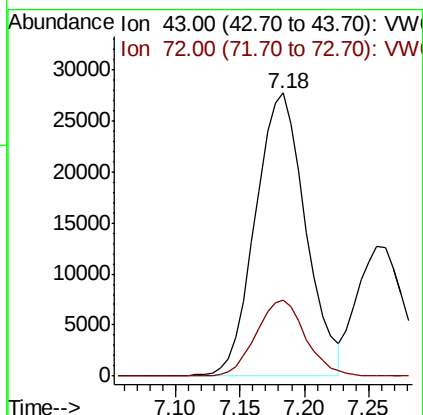
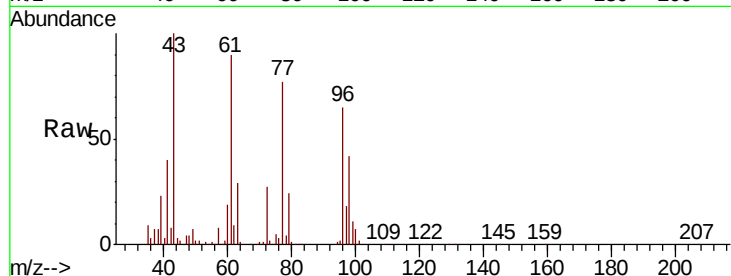
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 74511

Ion Ratio Lower Upper

43 100

72 27.2 21.3 31.9



#26

2,2-Dichloropropane

Concen: 56.078 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007058.D

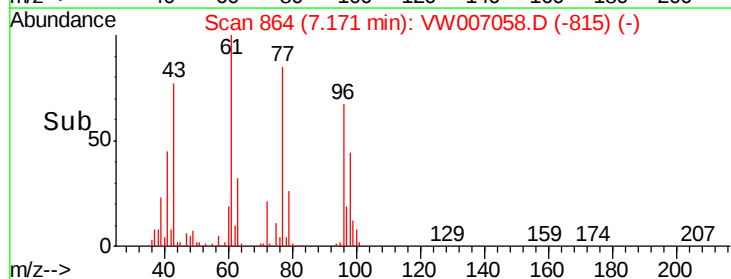
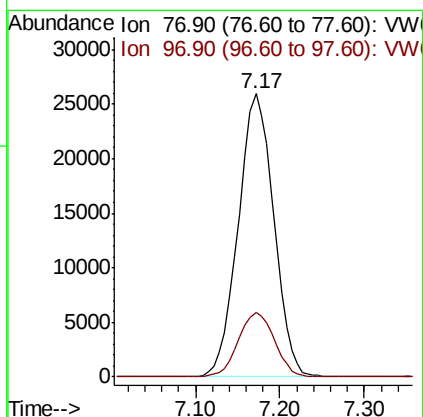
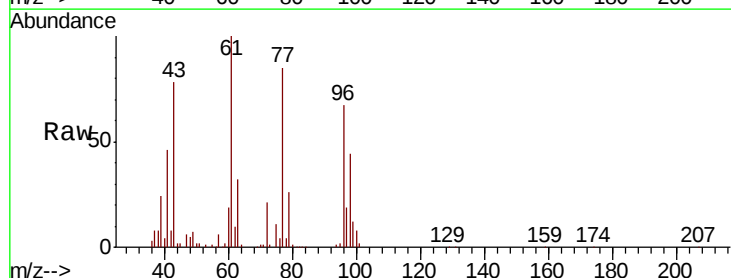
Acq: 26 Nov 2018 19:48

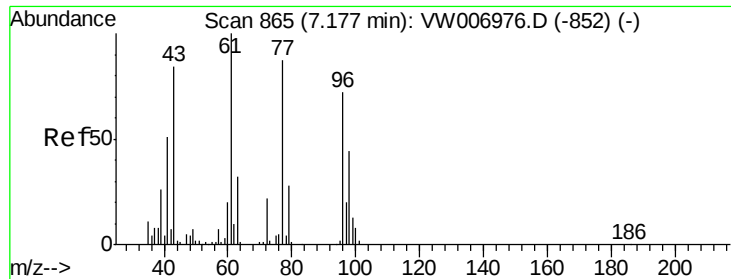
Tgt Ion: 77 Resp: 74301

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.1



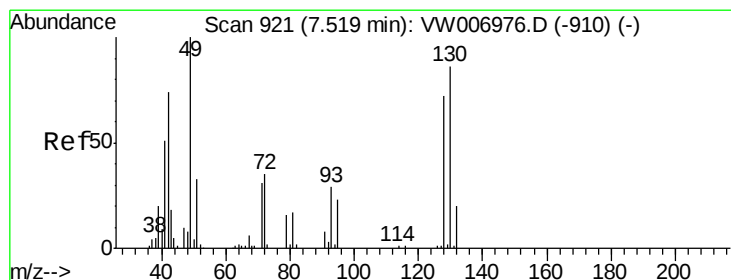
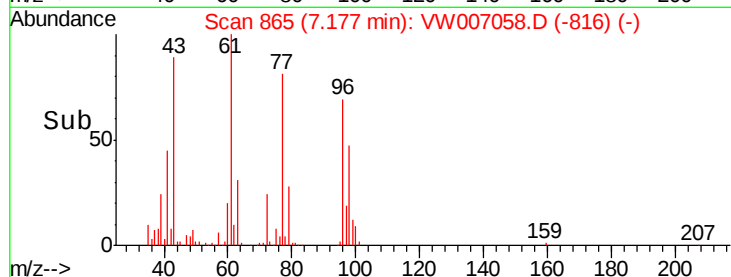
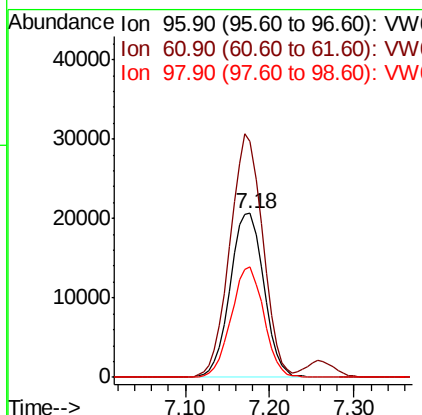
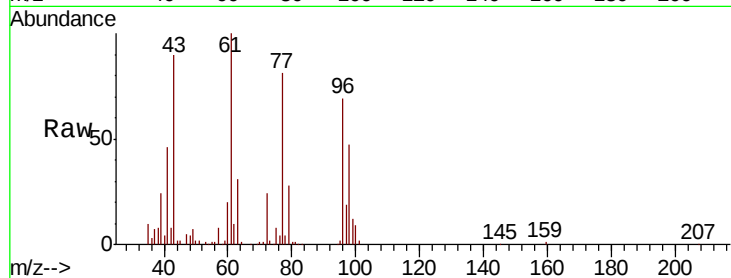


#27

cis-1,2-Dichloroethene
Concen: 60.468 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

Instrument :
MSVOA_W
ClientSampled :

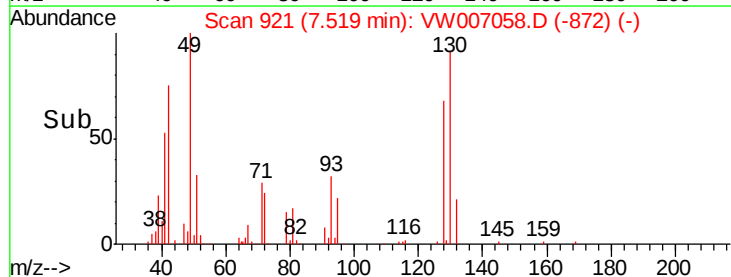
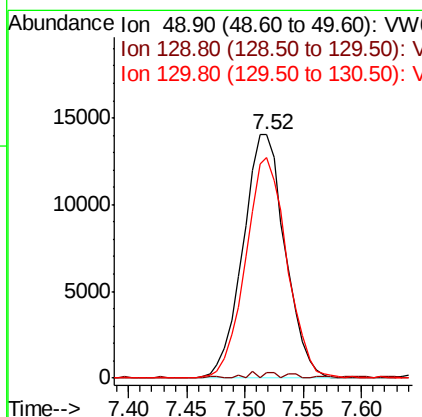
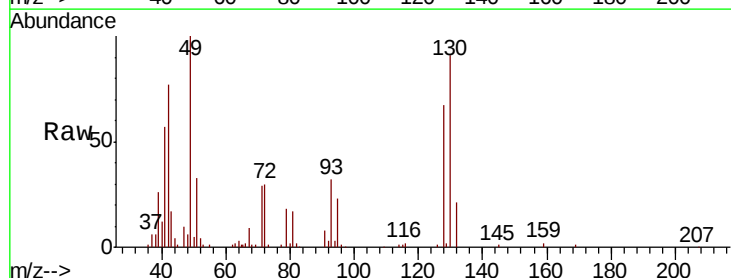
Tot Ion	96	Resp	56275
Ion	Ratio	Lower	Upper
96	100		
61	144.1	0.0	292.6
98	64.6	0.0	129.8

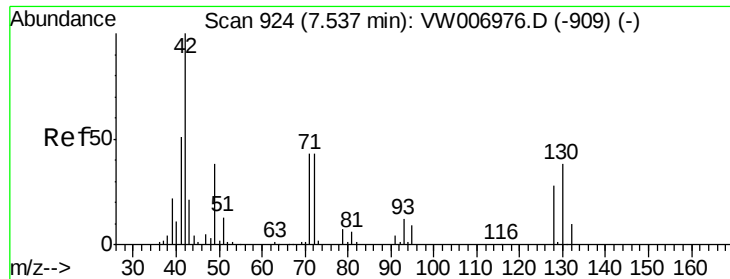


#28

Bromochloromethane
Concen: 64.022 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

Tgt Ion	49	Resp	35255
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.0
130	89.1	69.0	103.4

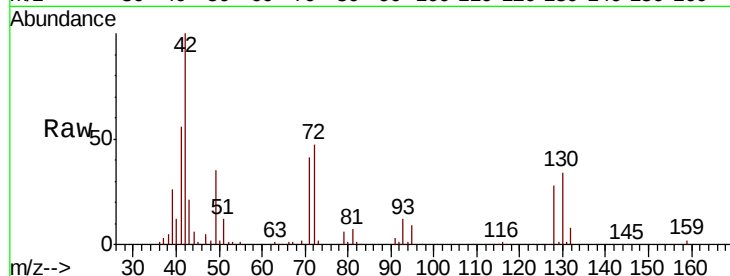




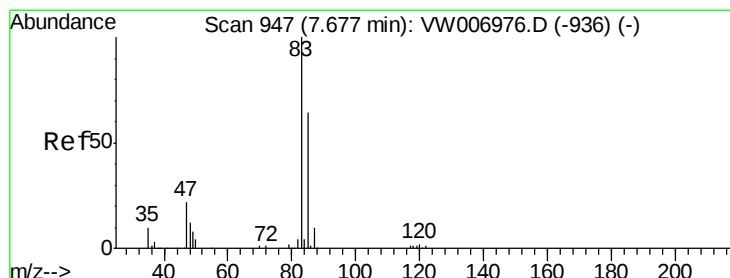
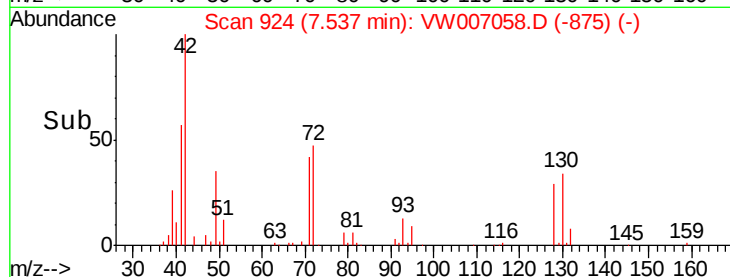
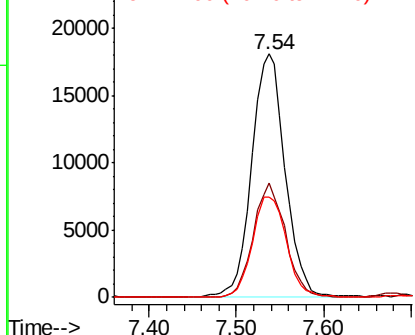
#29
Tetrahydrofuran
Concen: 369.739 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 48319
Ion Ratio Lower Upper
42 100
72 44.9 36.2 54.4
71 42.1 33.8 50.8

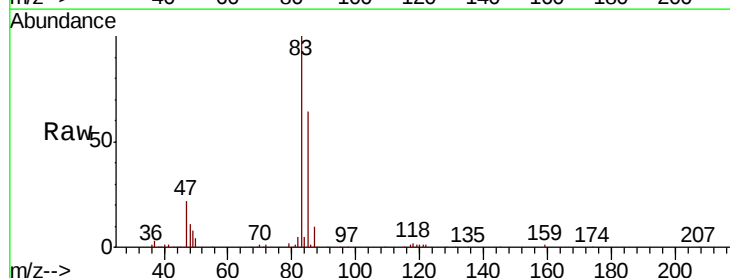


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

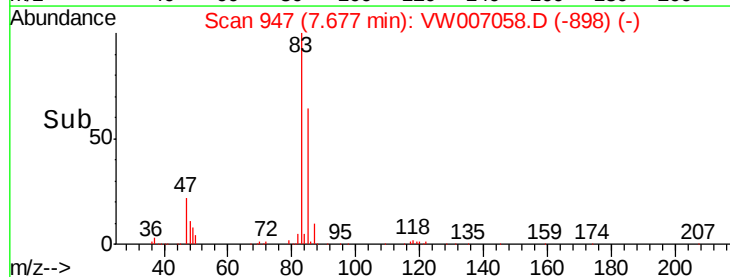
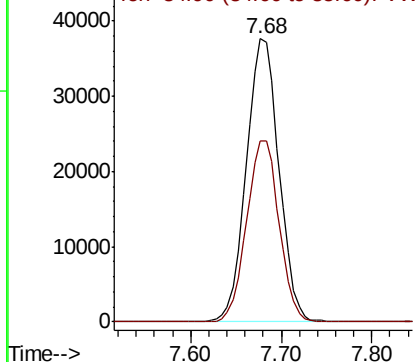


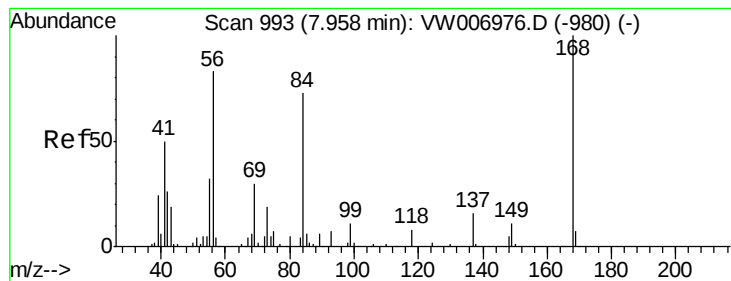
#30
Chloroform
Concen: 59.809 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

Tgt Ion: 83 Resp: 93619
Ion Ratio Lower Upper
83 100
85 64.0 50.9 76.3



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





#31

Cyclohexane

Concen: 31.245 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Instrument :
MSVOA_W
ClientSampled :

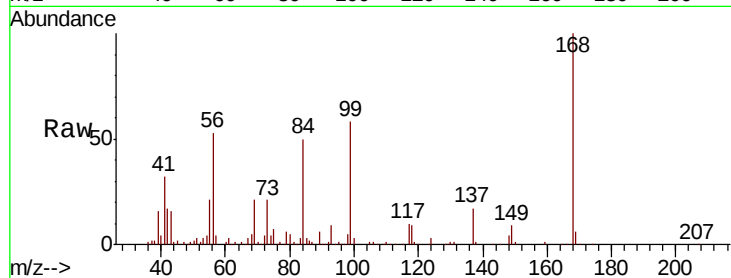
Tot Ion: 56 Resp: 48830

Ion Ratio Lower Upper

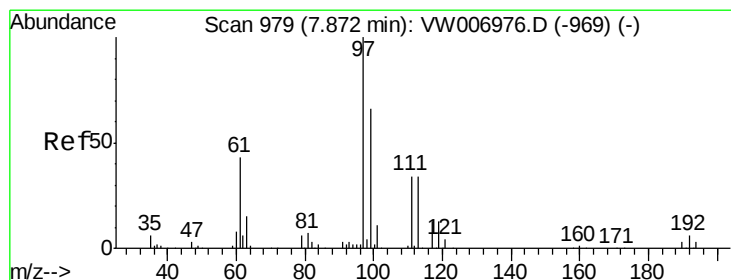
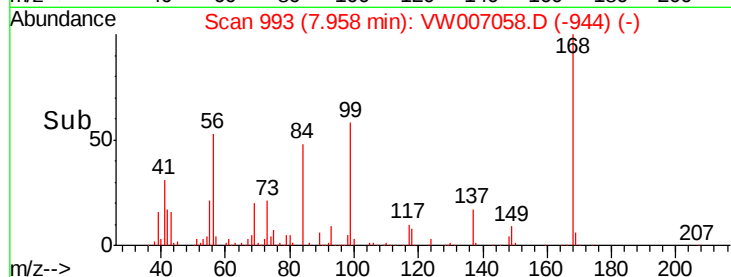
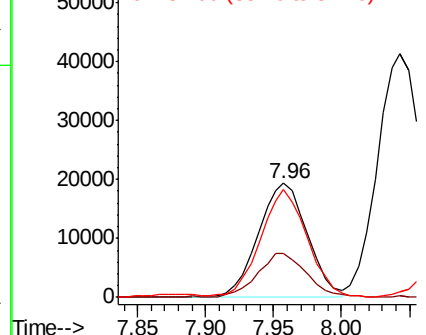
56 100

69 37.7 29.1 43.7

84 92.1 70.6 105.8



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: 56.925 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

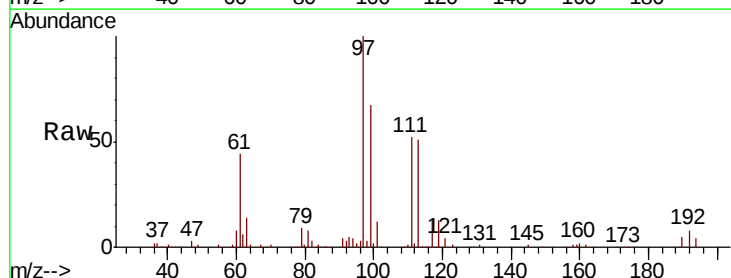
Tgt Ion: 97 Resp: 80259

Ion Ratio Lower Upper

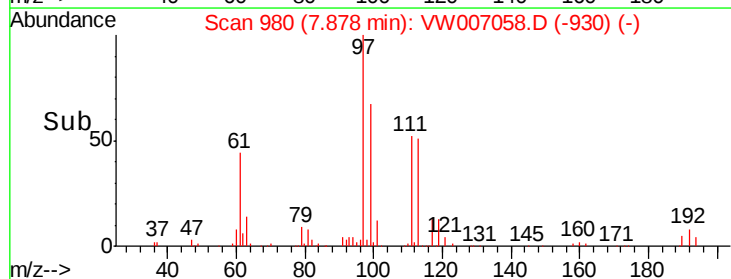
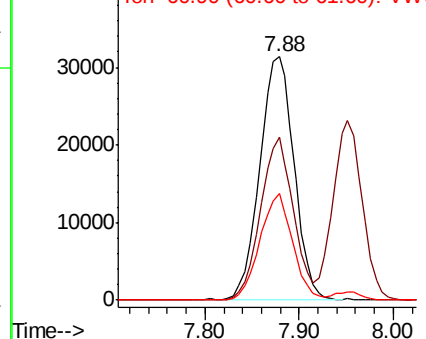
97 100

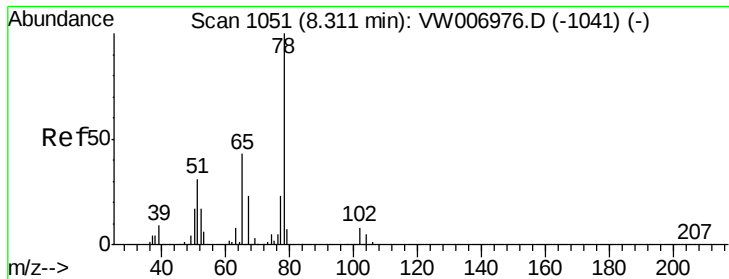
99 64.0 51.9 77.9

61 41.7 33.4 50.2



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: 64.457 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

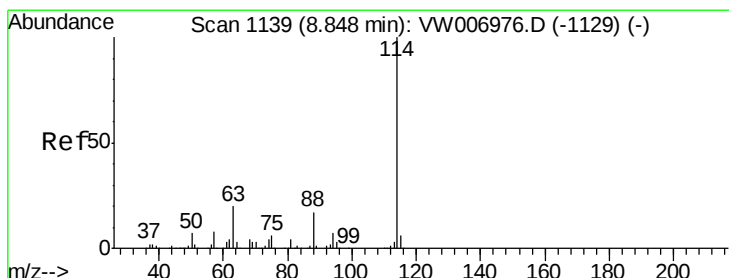
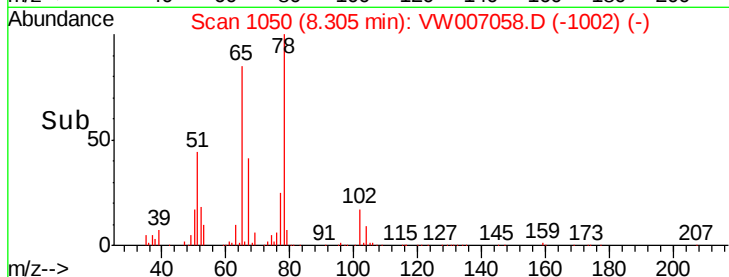
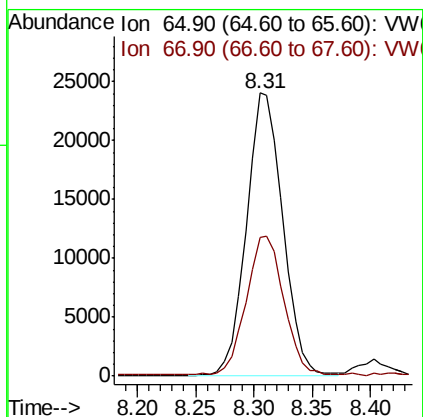
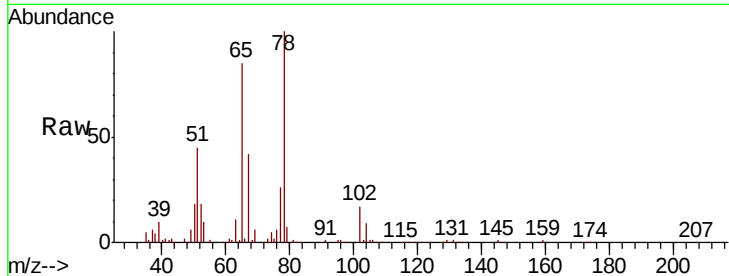
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 65 Resp: 52304

Ion Ratio Lower Upper

65 100

67 50.2 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

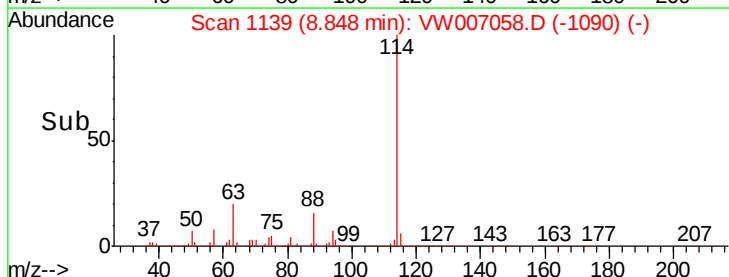
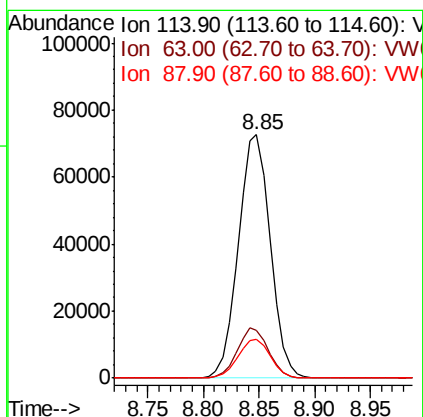
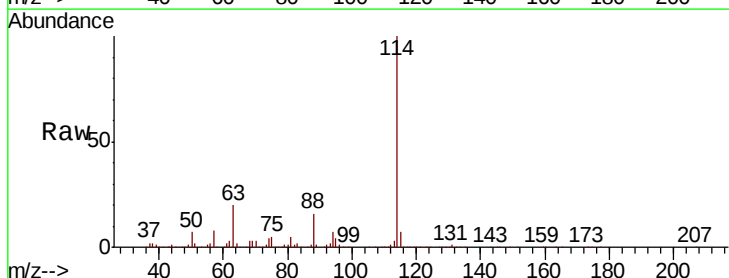
Tgt Ion: 114 Resp: 144425

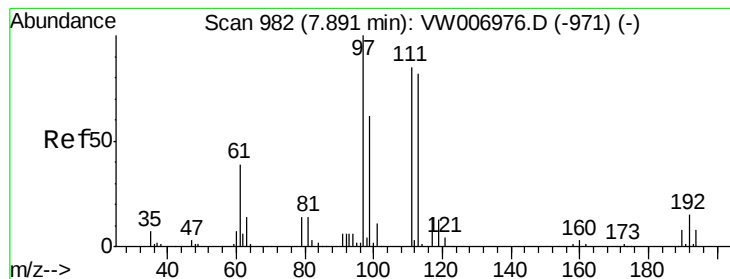
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.4

88 16.1 0.0 34.2





#35

Dibromofluoromethane

Concen: 54.763 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Instrument :

MSVOA_W

ClientSampled :

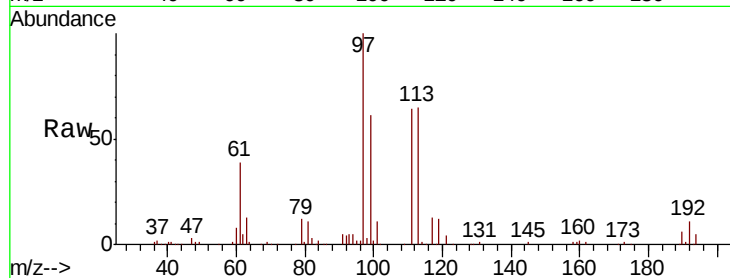
Tot Ion:113 Resp: 44665

Ion Ratio Lower Upper

113 100

111 102.7 81.0 121.6

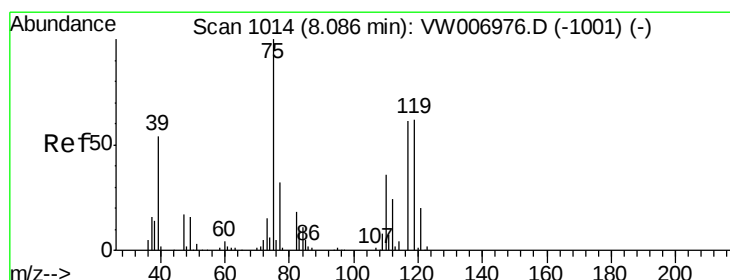
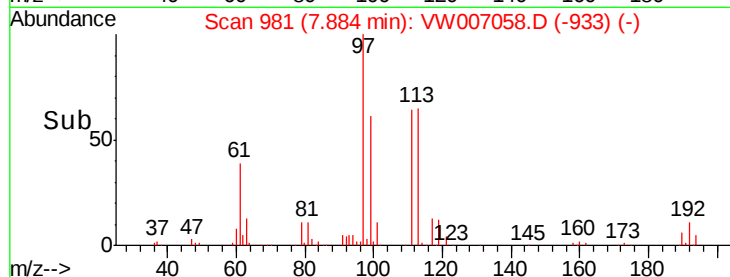
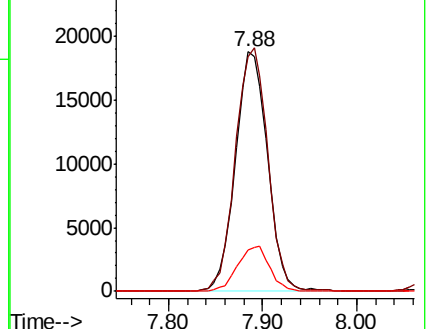
192 18.8 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.922 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

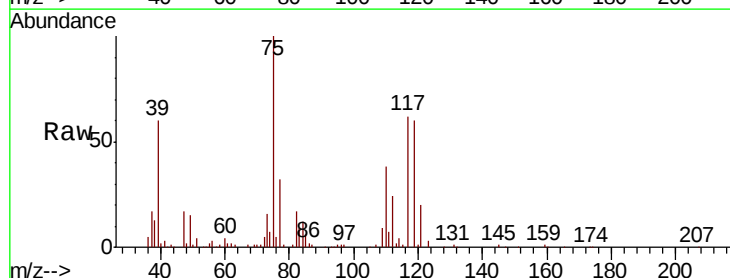
Tgt Ion: 75 Resp: 67634

Ion Ratio Lower Upper

75 100

110 37.1 18.0 54.0

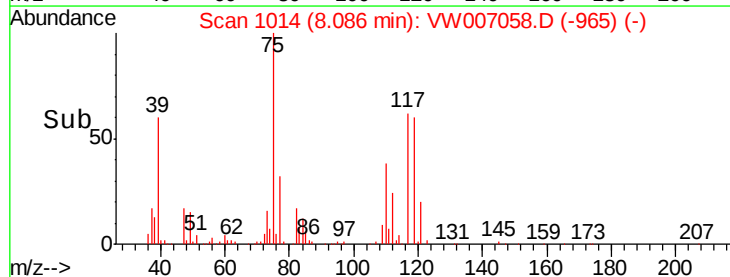
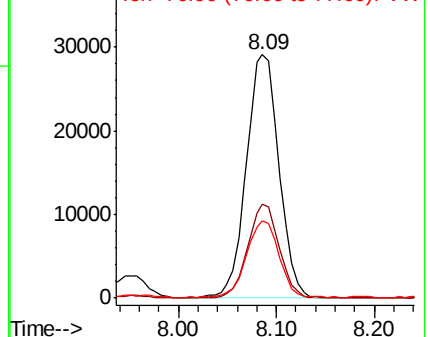
77 32.6 24.9 37.3

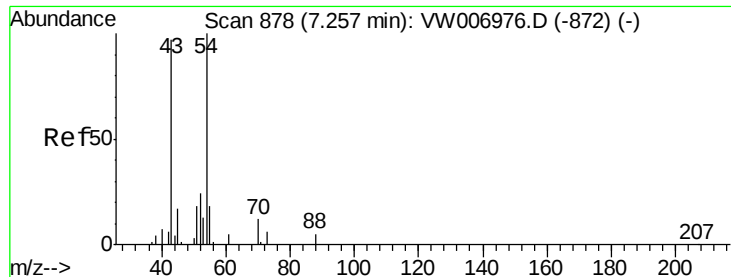


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

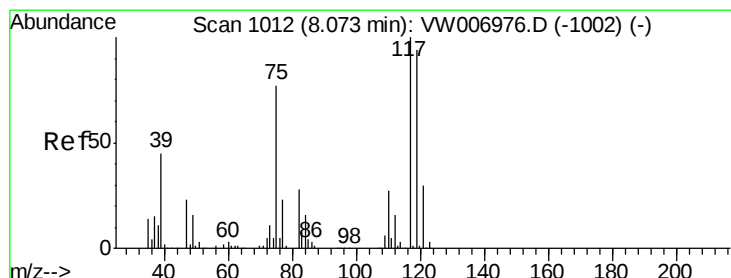
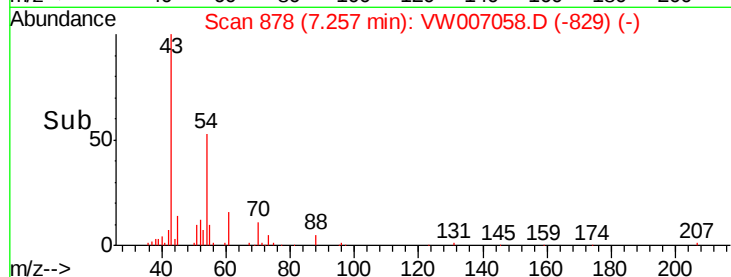
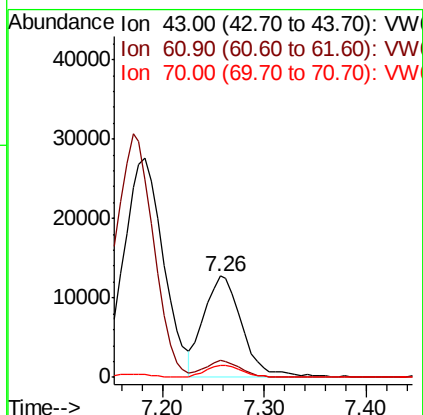
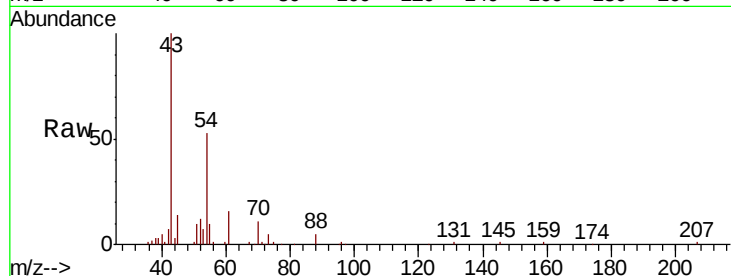




#37
Ethyl Acetate
Concen: 63.843 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

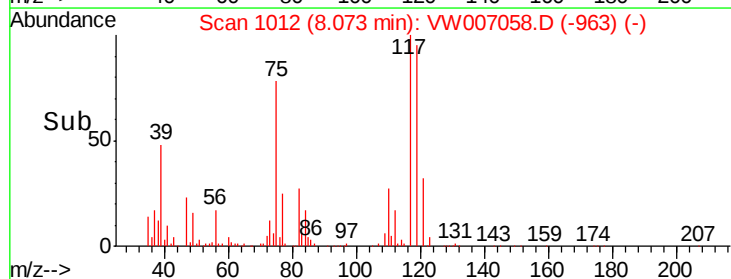
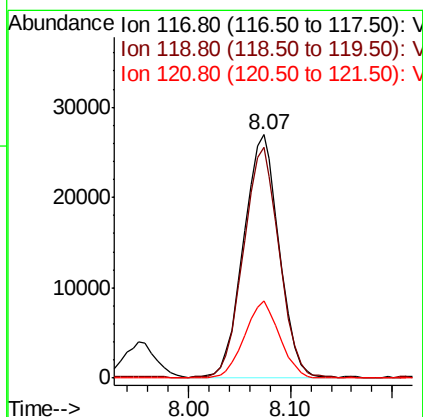
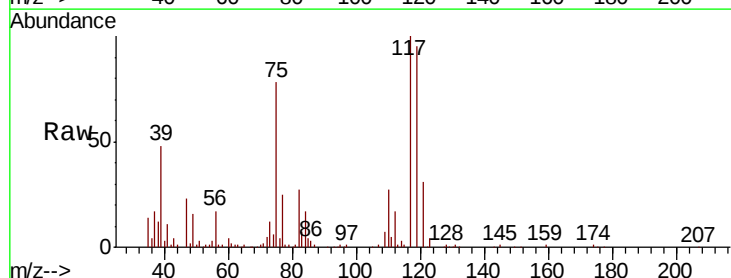
Instrument :
MSVOA_W
ClientSampled :

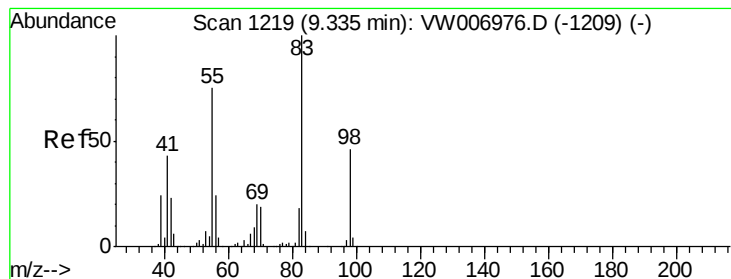
Tot Ion: 43 Resp: 32651
Ion Ratio Lower Upper
43 100
61 15.4 10.4 15.6
70 11.6 8.8 13.2



#38
Carbon Tetrachloride
Concen: 48.103 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

Tgt Ion: 117 Resp: 65011
Ion Ratio Lower Upper
117 100
119 94.7 74.9 112.3
121 31.6 23.6 35.4





#39

Methvlcvclohexane

Concen: 18.037 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

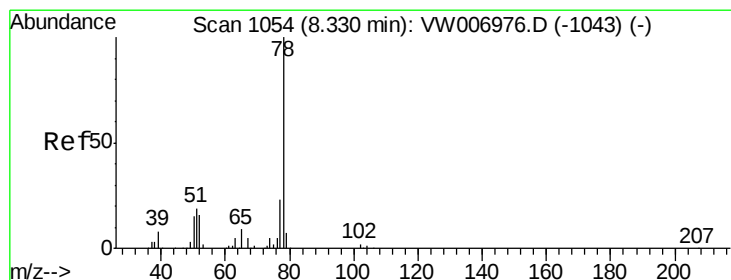
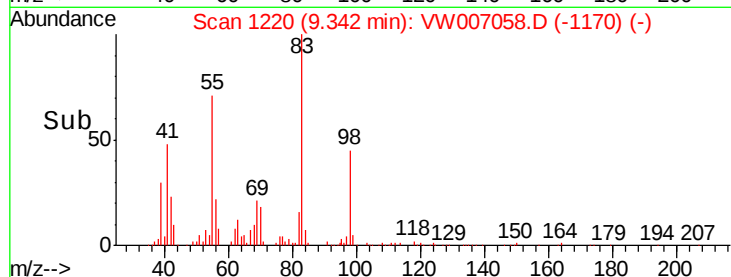
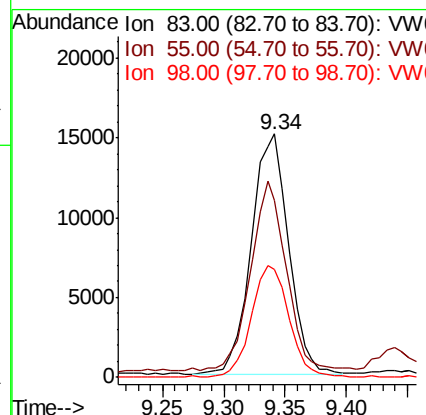
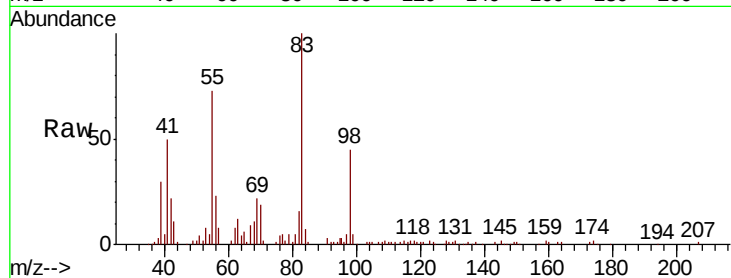
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 83 Resp: 31856

Ion	Ratio	Lower	Upper
83	100		
55	69.9	59.6	89.4
98	44.7	37.1	55.7



#40

Benzene

Concen: 54.907 ug/l

RT: 8.33 min Scan# 1054

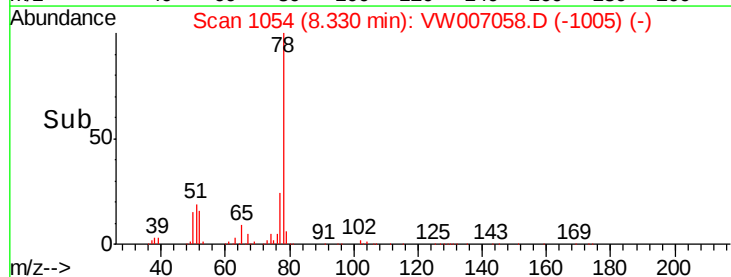
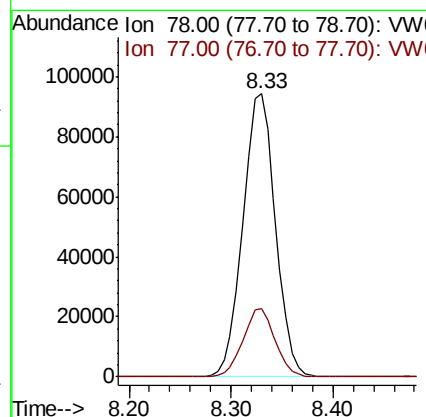
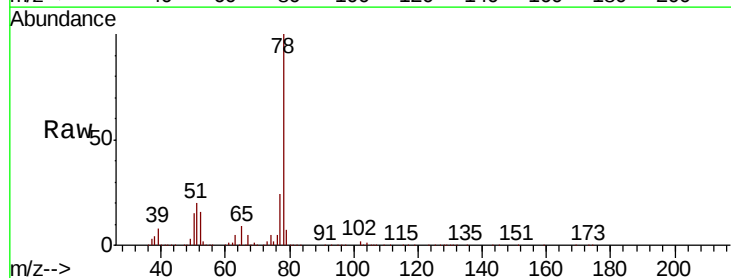
Delta R.T. 0.00 min

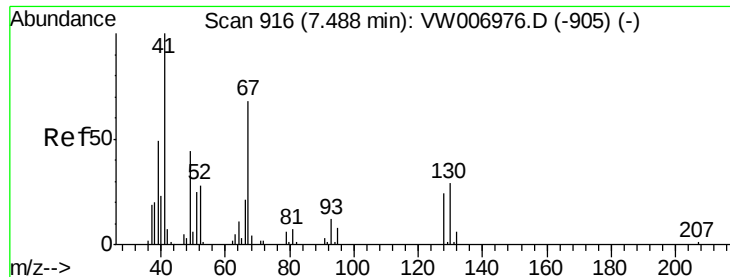
Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Tgt Ion: 78 Resp: 209176

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.6	28.0

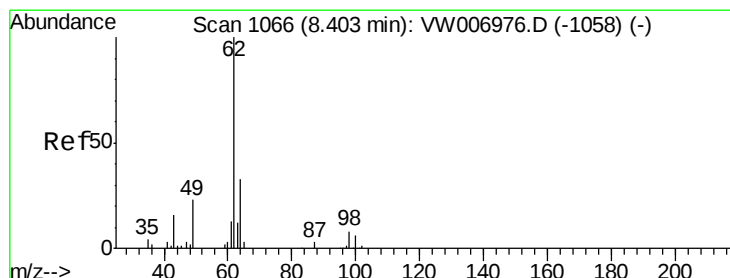
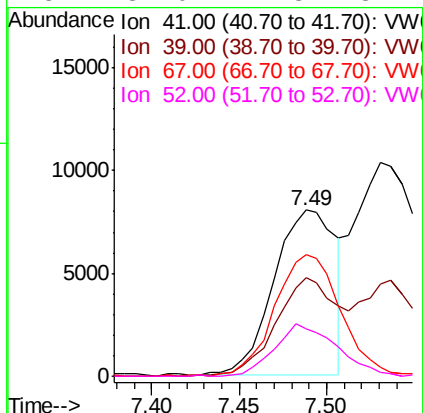
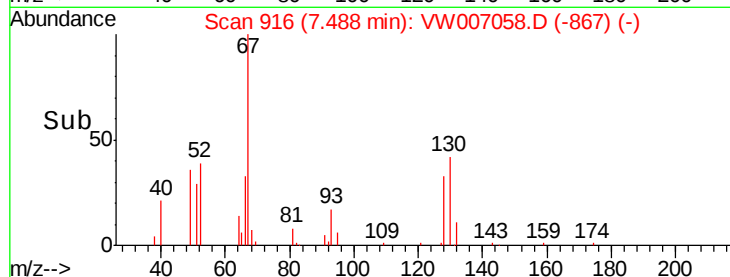
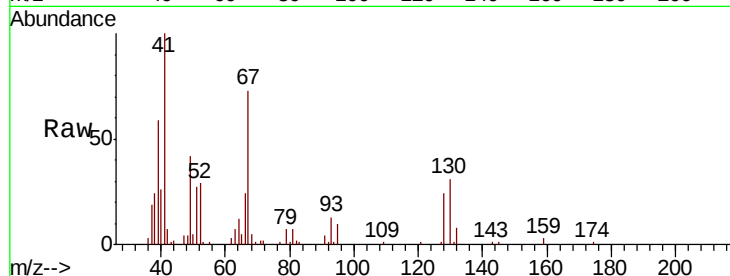




#41
Methacrylonitrile
Concen: 61.796 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

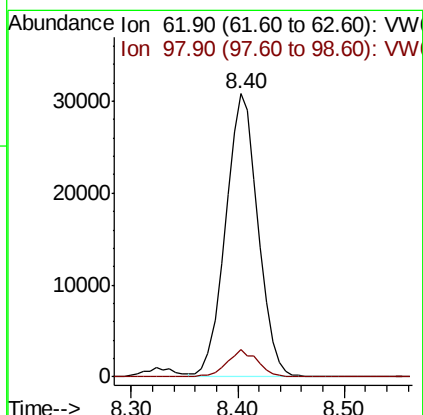
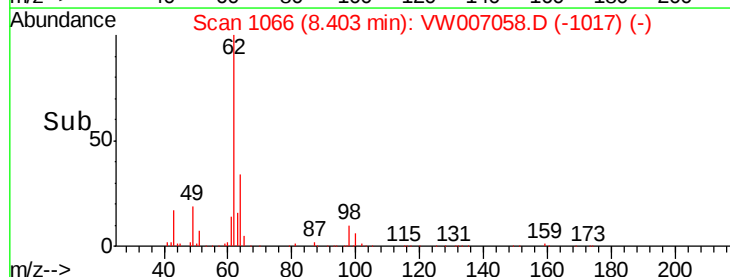
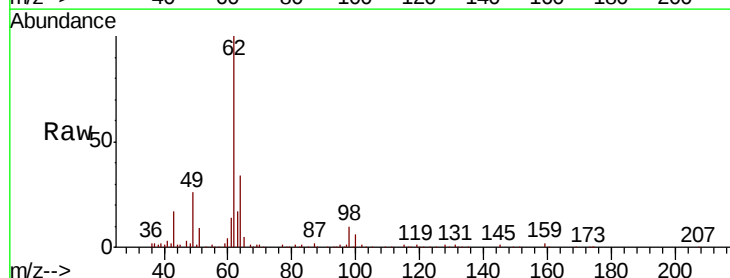
Instrument :
MSVOA_W
ClientSampleId :

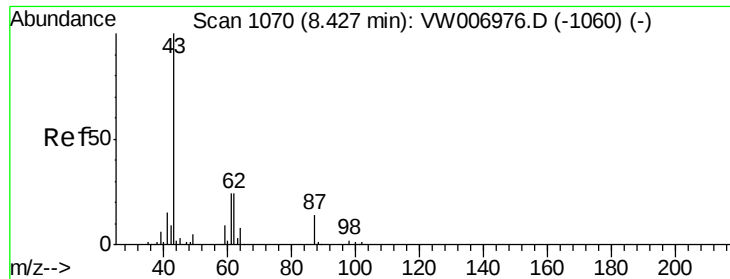
Tot Ion:	41	Resp:	19627
Ion	Ratio	Lower	Upper
41	100		
39	61.8	48.6	73.0
67	79.4	59.8	89.8
52	32.0	24.8	37.2



#42
1,2-Dichloroethane
Concen: 59.157 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

Tgt Ion:	62	Resp:	65431
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.6





#43

Isopropyl Acetate

Concen: 66.584 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Instrument :

MSVOA_W

ClientSampleId :

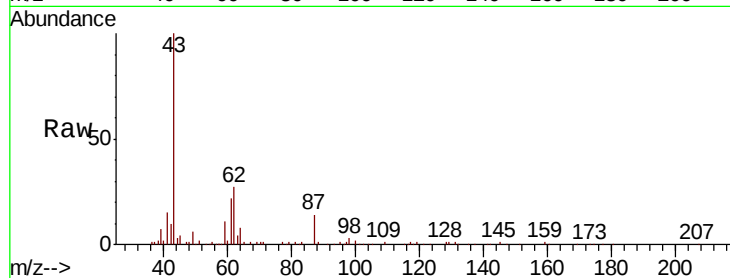
Tot Ion: 43 Resp: 64894

Ion Ratio Lower Upper

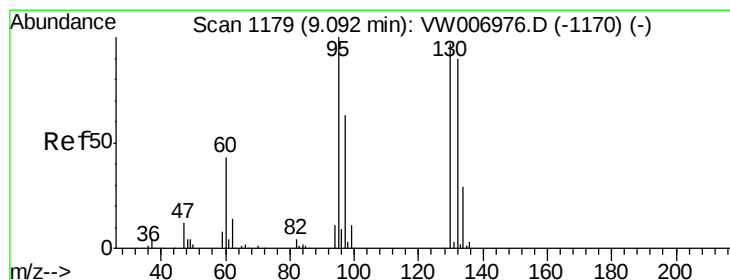
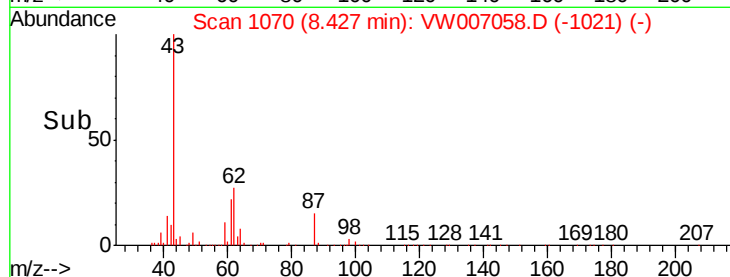
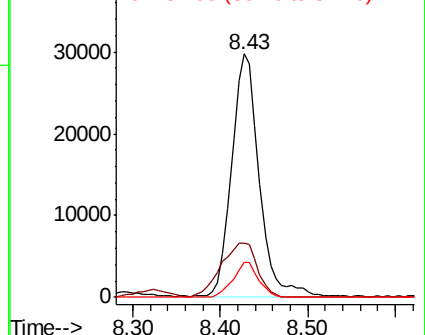
43 100

61 29.7 26.1 39.1

87 13.6 11.2 16.8



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: 52.737 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007058.D

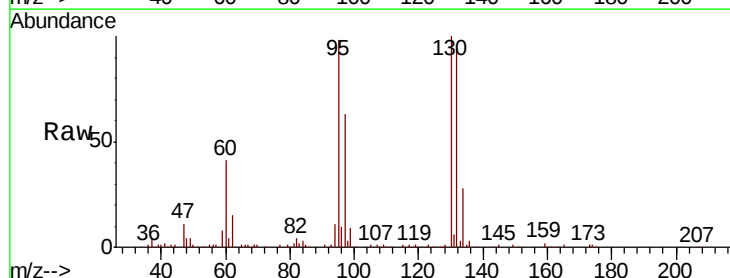
Acq: 26 Nov 2018 19:48

Tgt Ion: 130 Resp: 56320

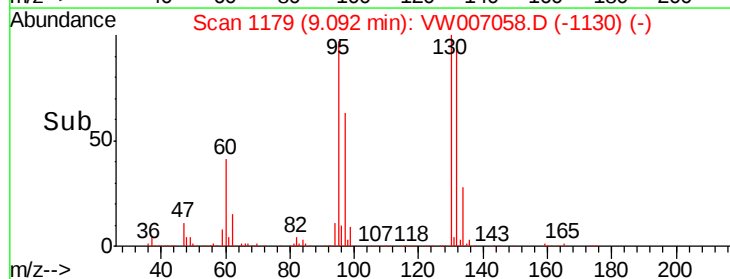
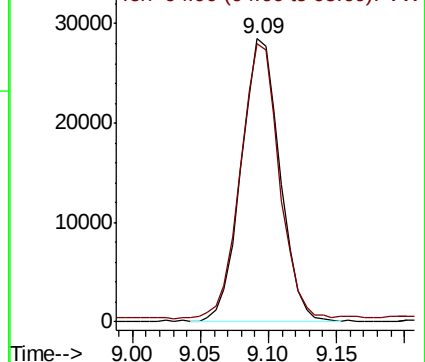
Ion Ratio Lower Upper

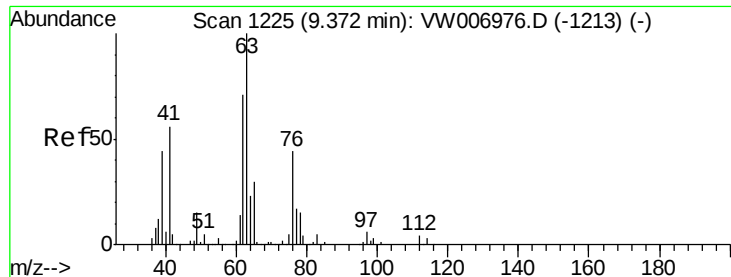
130 100

95 97.1 0.0 206.4



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

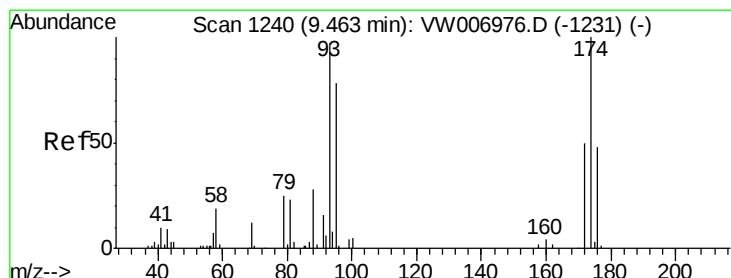
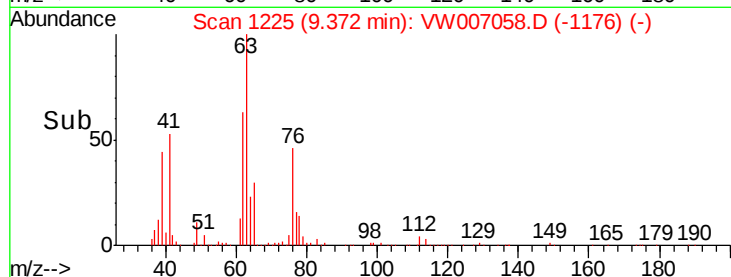
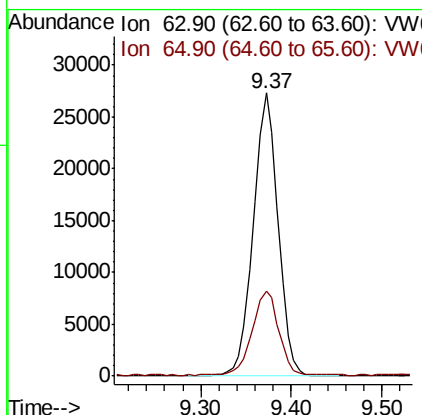
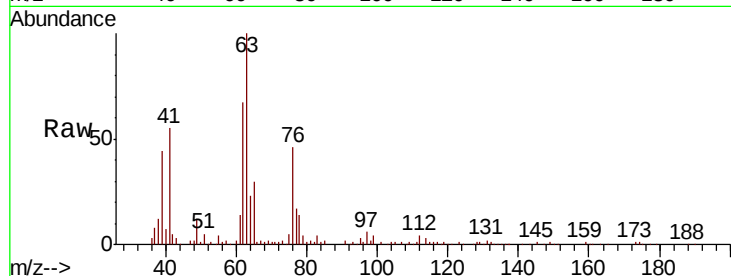




#45
 1,2-Dichloropropane
 Concen: 55.173 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW007058.D
 Acq: 26 Nov 2018 19:48

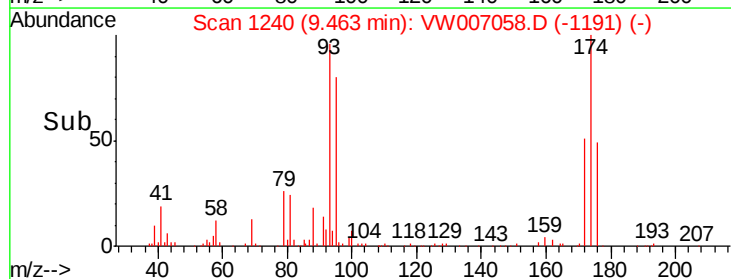
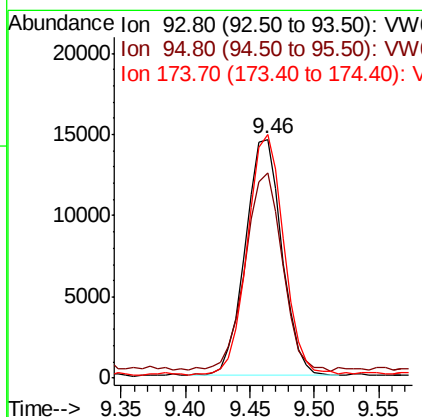
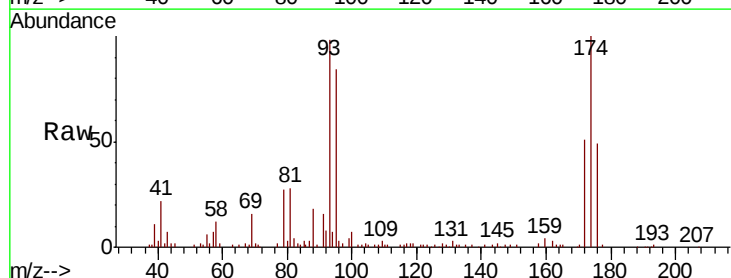
Instrument :
 MSVOA_W
 ClientSampled :

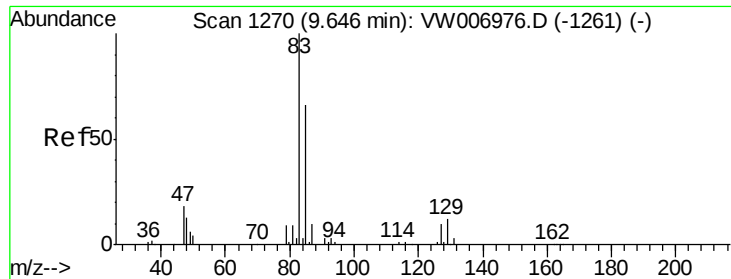
Tot Ion: 63 Resp: 51814
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.4 36.6



#46
 Dibromomethane
 Concen: 60.665 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW007058.D
 Acq: 26 Nov 2018 19:48

Tgt Ion: 93 Resp: 28530
 Ion Ratio Lower Upper
 93 100
 95 85.6 66.1 99.1
 174 100.8 79.7 119.5

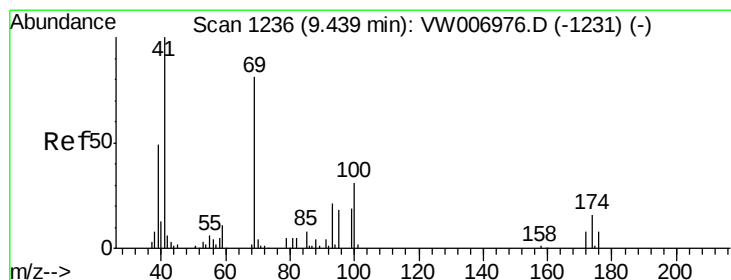
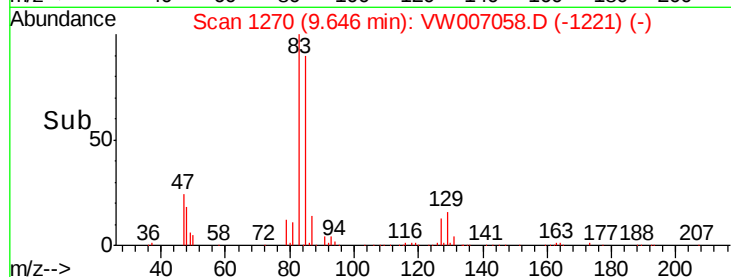
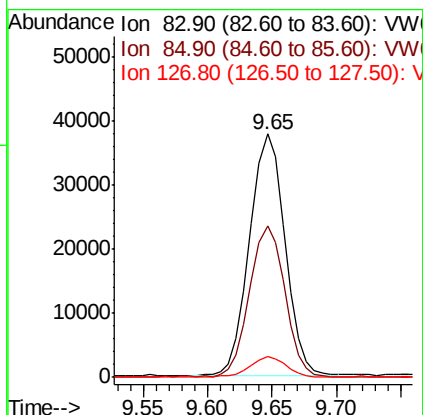
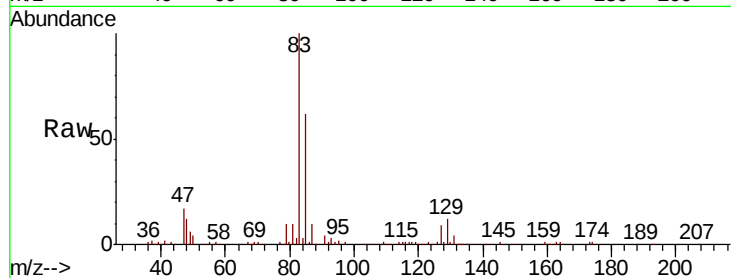




#47
Bromodichloromethane
Concen: 57.932 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

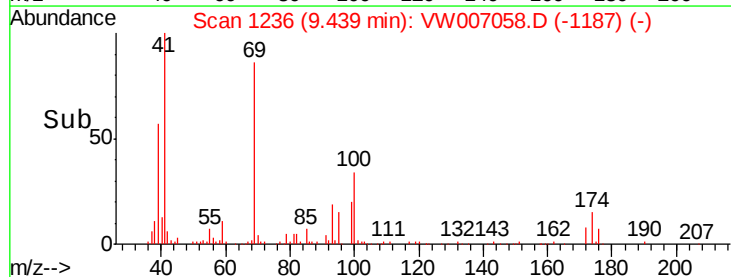
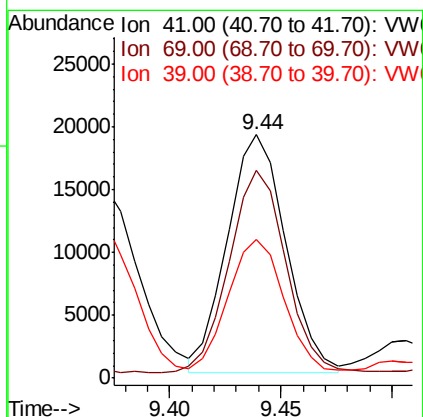
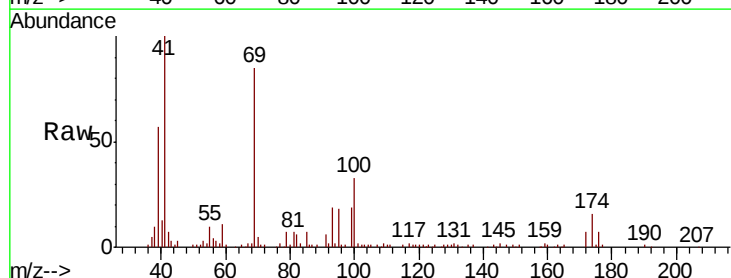
Instrument :
MSVOA_W
ClientSampled :

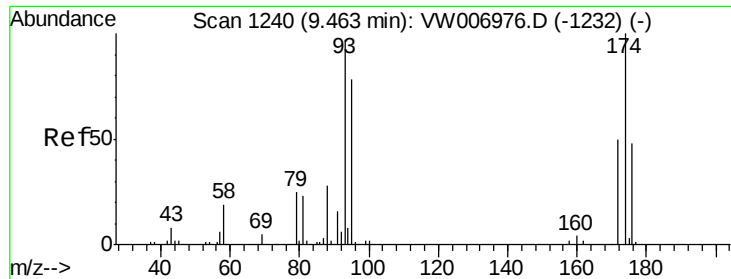
Tot Ion: 83 Resp: 71783
Ion Ratio Lower Upper
83 100
85 62.6 52.9 79.3
127 8.6 7.8 11.6



#48
Methyl methacrylate
Concen: 73.453 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

Tgt Ion: 41 Resp: 34518
Ion Ratio Lower Upper
41 100
69 83.7 71.4 107.0
39 57.8 44.8 67.2

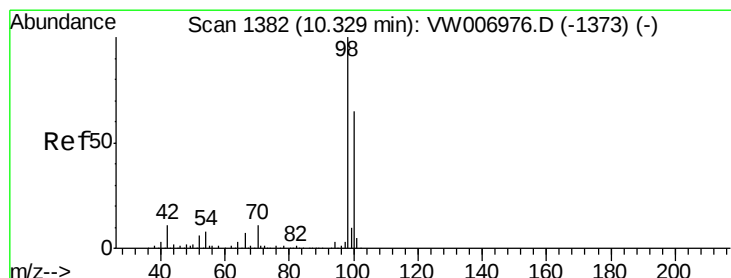
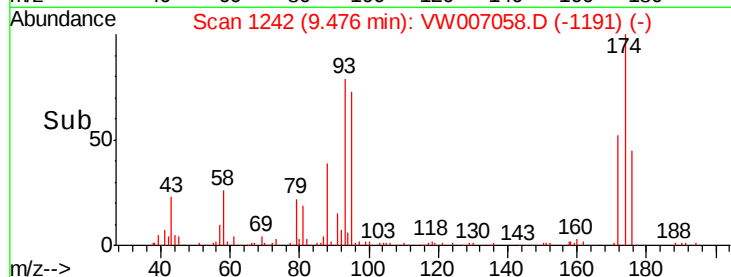
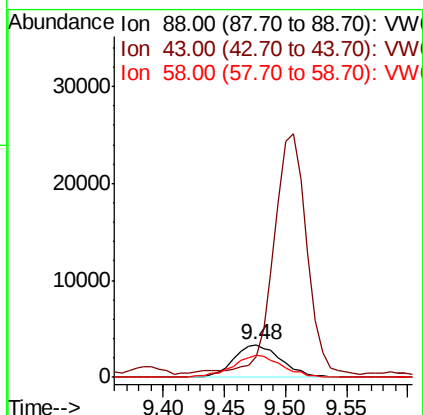
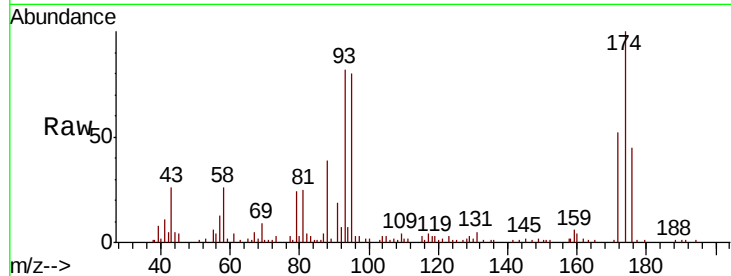




#49
1,4-Dioxane
Concen: 1291.132 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

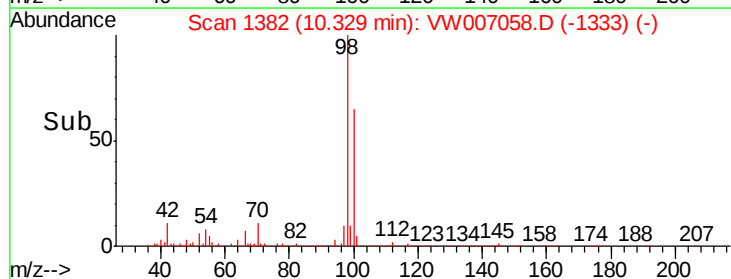
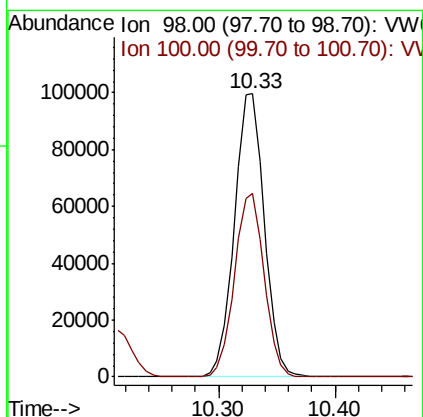
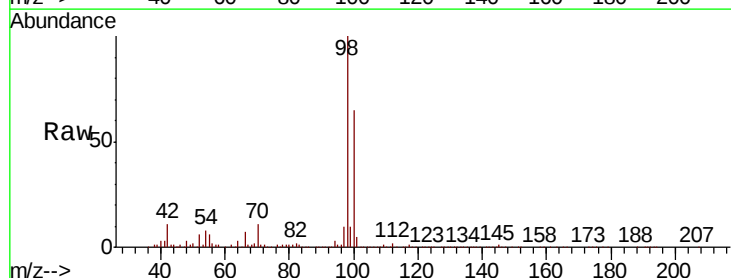
Instrument :
MSVOA_W
ClientSampleId :

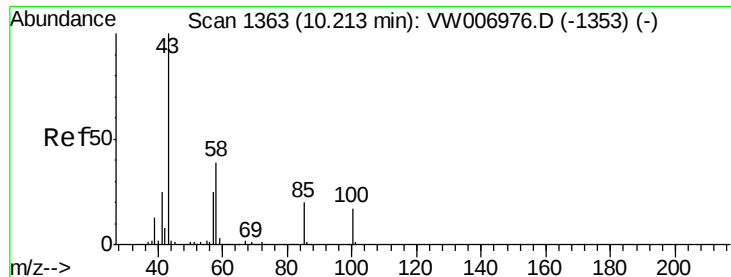
Tot Ion: 88 Resp: 9025
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 72.0 59.0 88.6



#50
Toluene-d8
Concen: 49.506 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

Tgt Ion: 98 Resp: 178300
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2

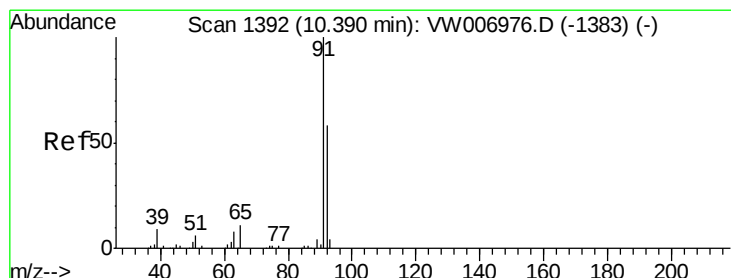
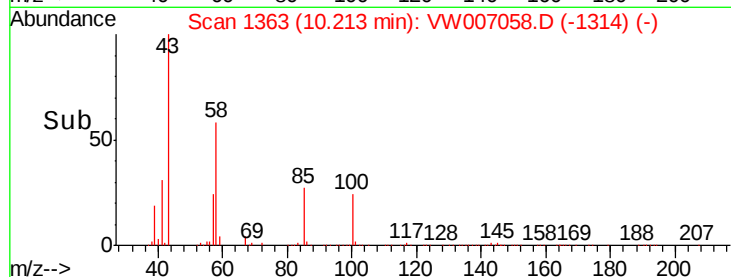
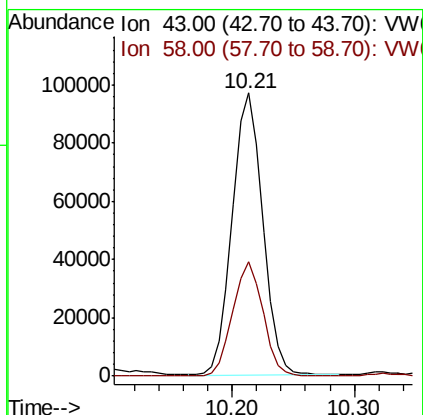
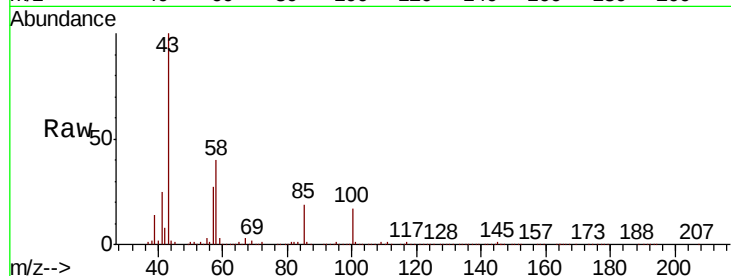




#51
4-Methyl-2-Pentanone
Concen: 339.653 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

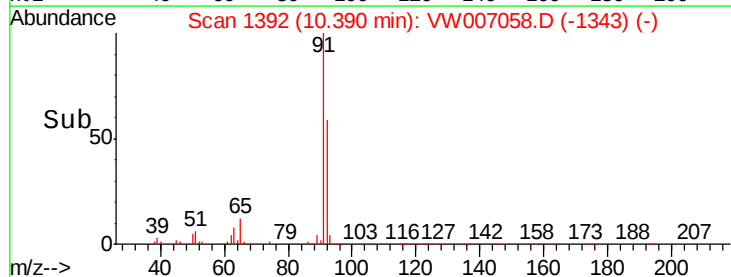
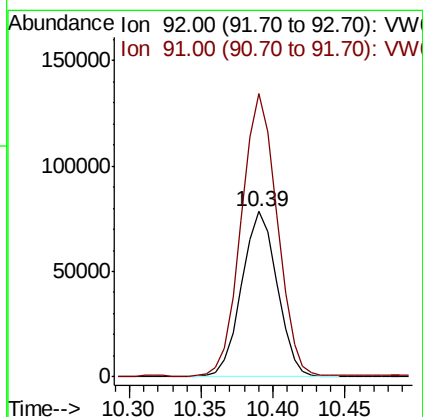
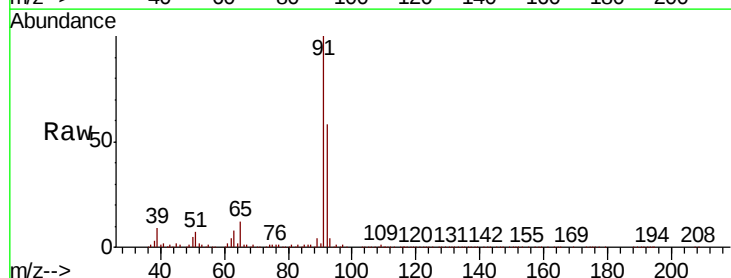
Instrument :
MSVOA_W
ClientSampled :

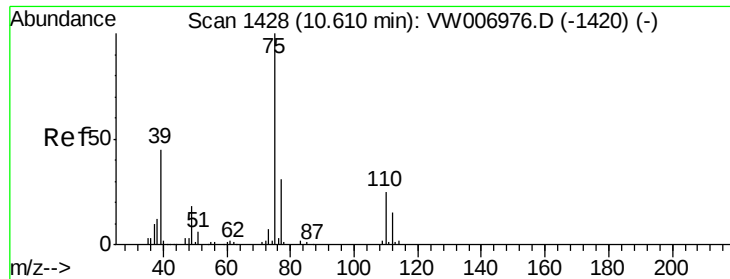
Tot Ion: 43 Resp: 167288
Ion Ratio Lower Upper
43 100
58 40.2 31.8 47.6



#52
Toluene
Concen: 51.505 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

Tgt Ion: 92 Resp: 133534
Ion Ratio Lower Upper
92 100
91 172.3 137.3 205.9





#53

t-1,3-Dichloropropene

Concen: 60.838 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Instrument :

MSVOA_W

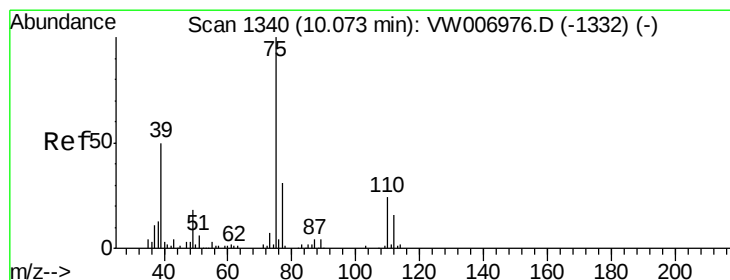
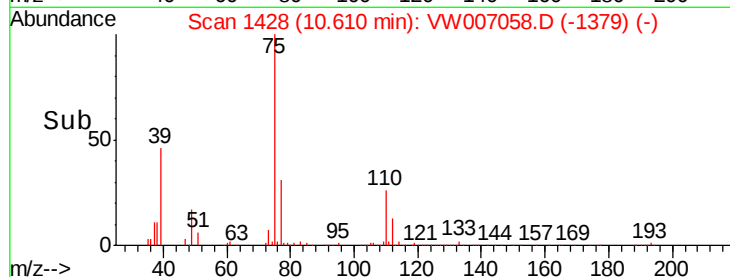
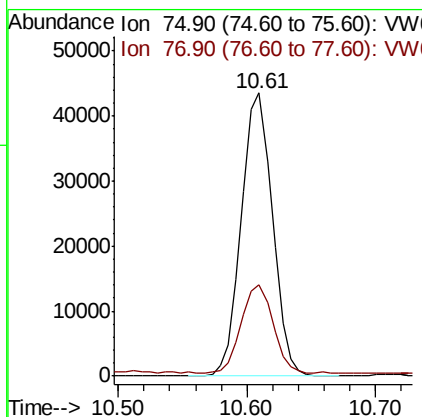
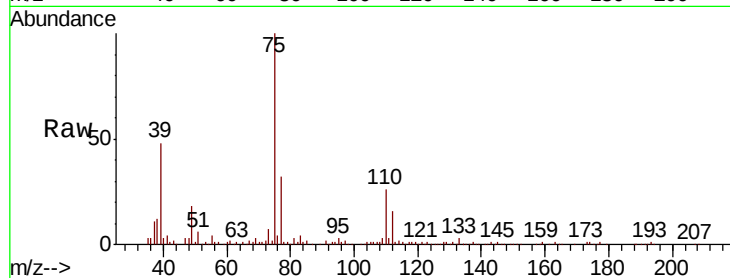
ClientSampled :

Tot Ion: 75 Resp: 73025

Ion Ratio Lower Upper

75 100

77 30.9 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 58.561 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

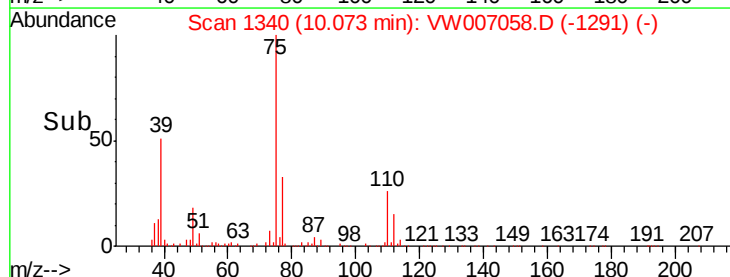
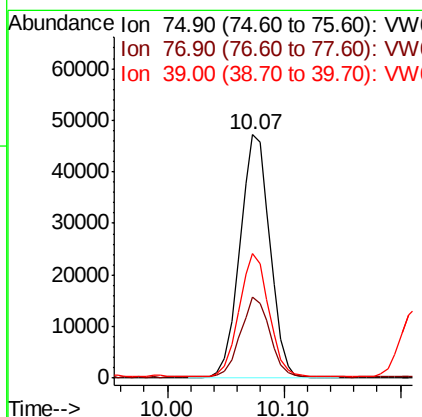
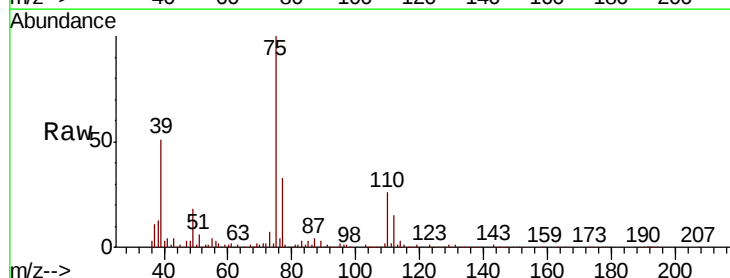
Tgt Ion: 75 Resp: 84922

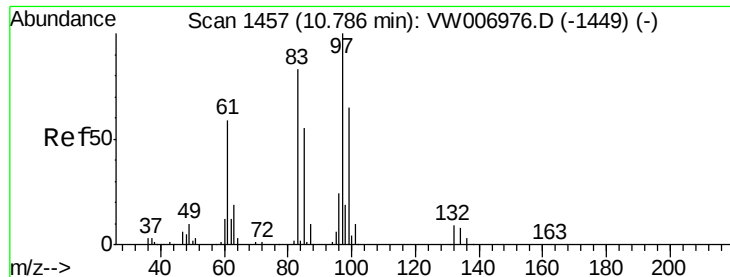
Ion Ratio Lower Upper

75 100

77 32.5 25.0 37.6

39 50.8 39.9 59.9





#55

1,1,2-Trichloroethane

Concen: 69.389 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 48012

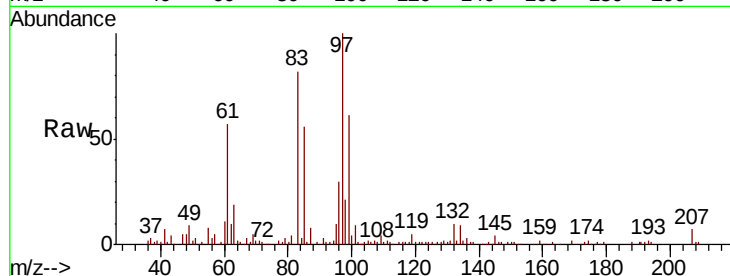
Ion Ratio Lower Upper

97 100

83 81.8 66.4 99.6

85 57.2 44.1 66.1

99 62.0 51.7 77.5

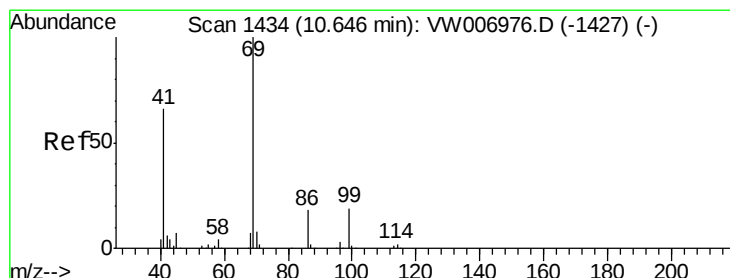
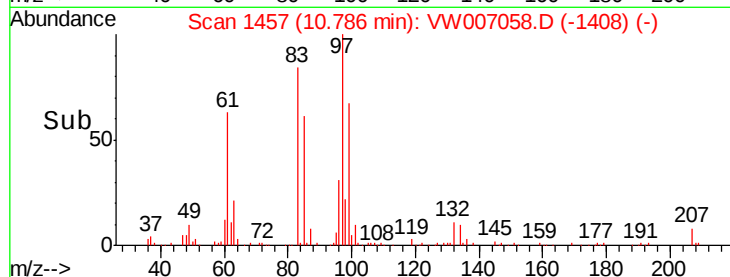
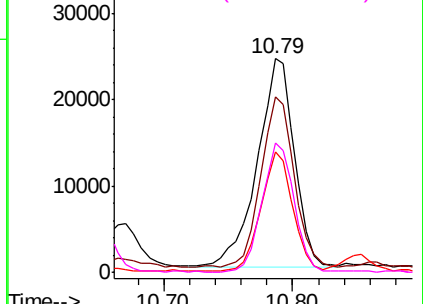


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 74.647 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

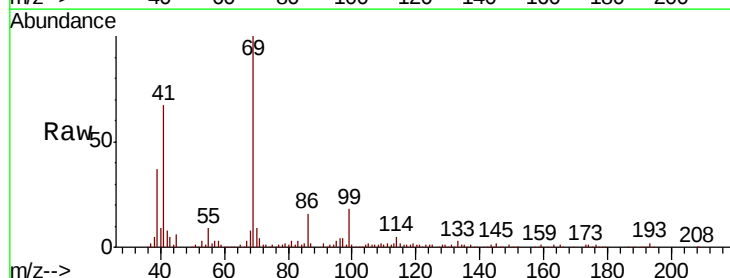
Tgt Ion: 69 Resp: 59954

Ion Ratio Lower Upper

69 100

41 69.0 53.4 80.0

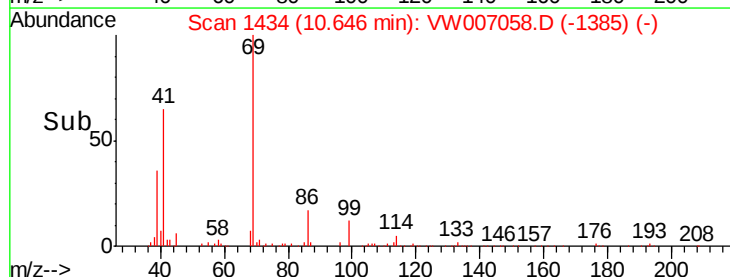
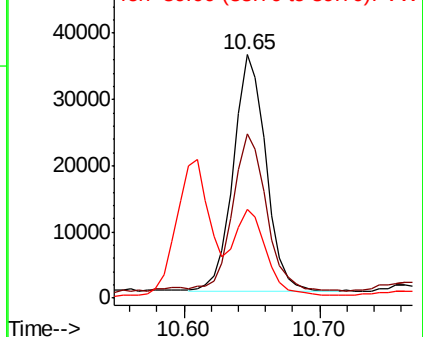
39 35.7 28.2 42.4

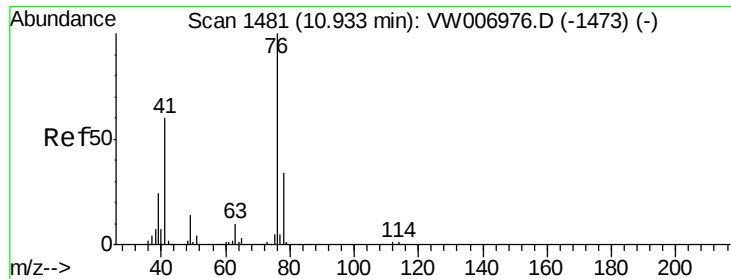


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

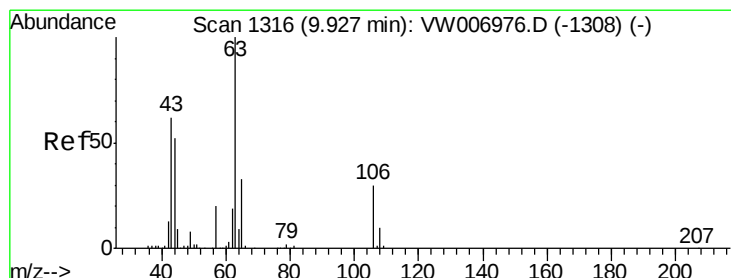
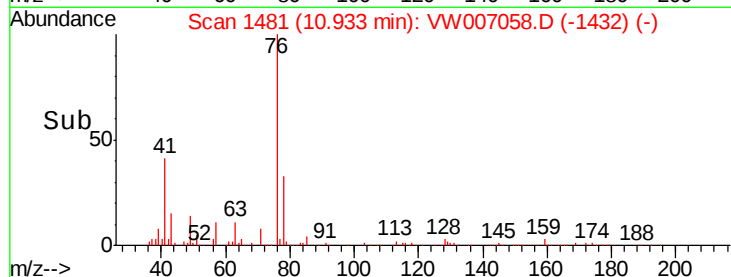
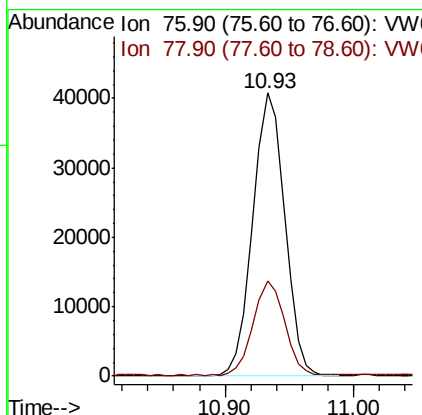
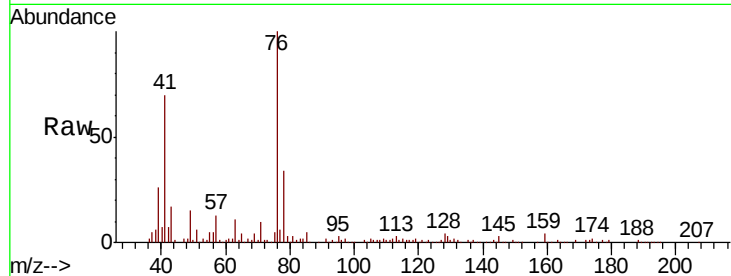




#57
 1,3-Dichloropropane
 Concen: 60.392 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007058.D
 Acq: 26 Nov 2018 19:48

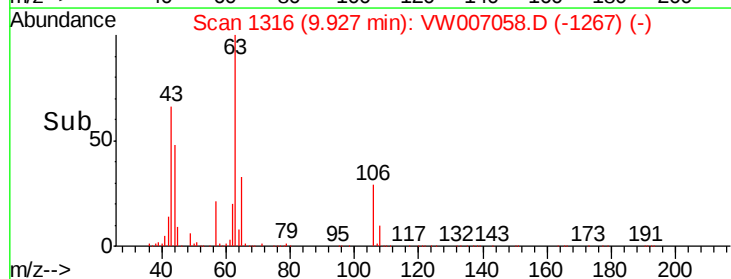
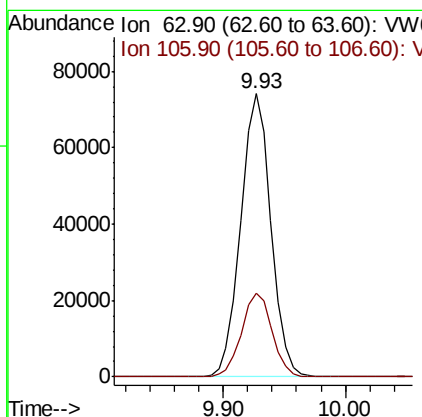
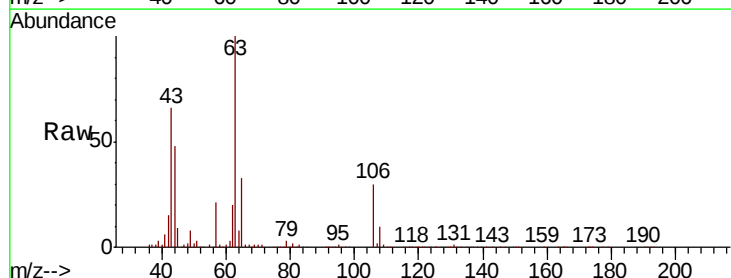
Instrument :
 MSVOA_W
 ClientSampleId :

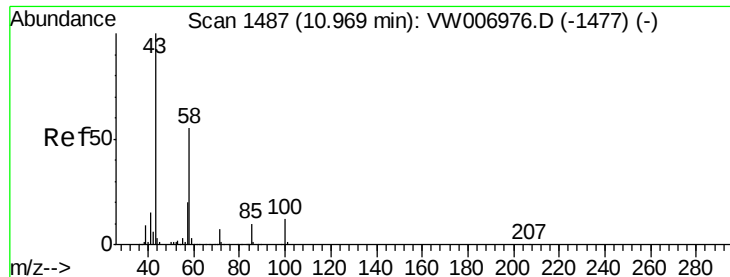
Tot Ion: 76 Resp: 70027
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 301.643 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007058.D
 Acq: 26 Nov 2018 19:48

Tgt Ion: 63 Resp: 126599
 Ion Ratio Lower Upper
 63 100
 106 30.1 23.5 35.3





#59

2-Hexanone

Concen: 388.063 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Instrument :

MSVOA_W

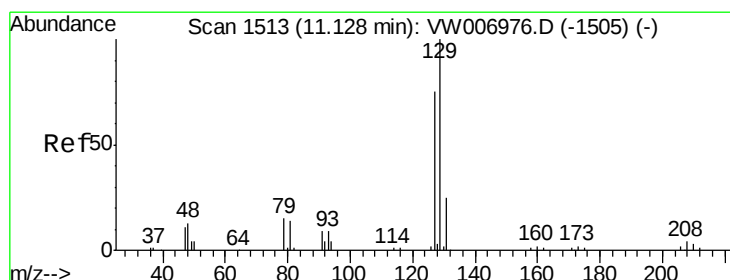
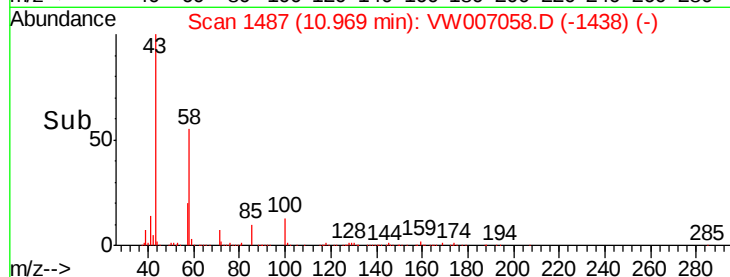
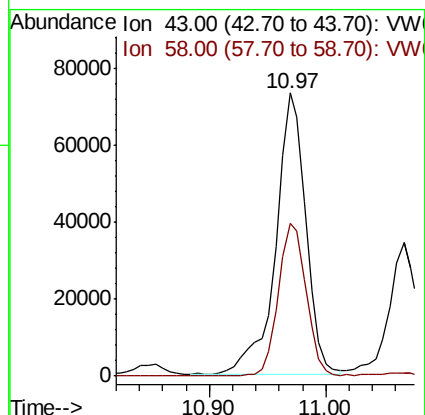
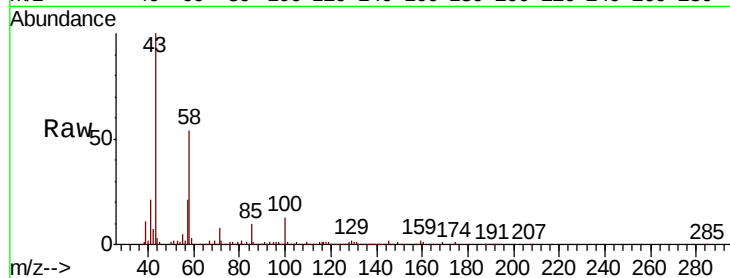
ClientSampled :

Tot Ion: 43 Resp: 130885

Ion Ratio Lower Upper

43 100

58 50.3 27.3 81.8



#60

Dibromochloromethane

Concen: 78.202 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007058.D

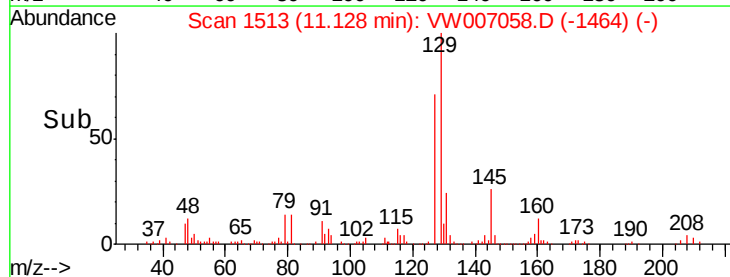
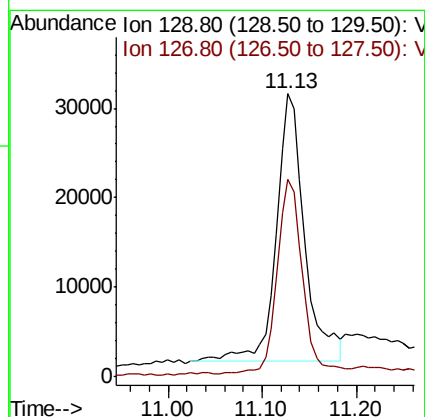
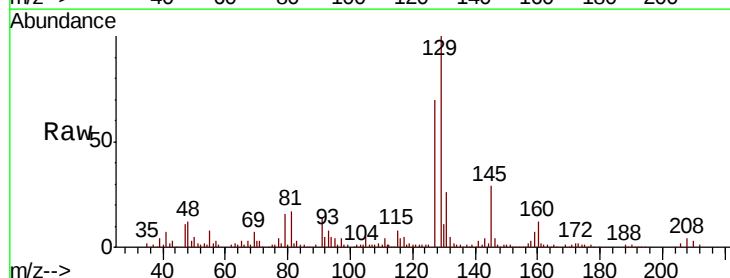
Acq: 26 Nov 2018 19:48

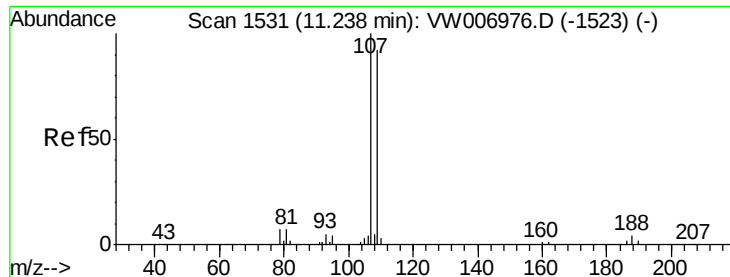
Tgt Ion: 129 Resp: 61656

Ion Ratio Lower Upper

129 100

127 65.2 38.3 114.8





#61

1,2-Dibromoethane

Concen: 63.802 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Instrument :

MSVOA_W

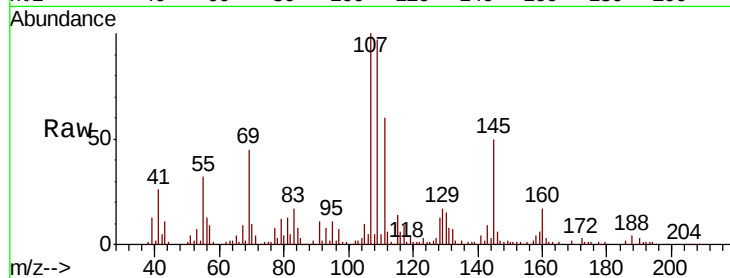
ClientSampled :

Tot Ion:107 Resp: 40384

Ion Ratio Lower Upper

107 100

109 94.7 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

25000

20000

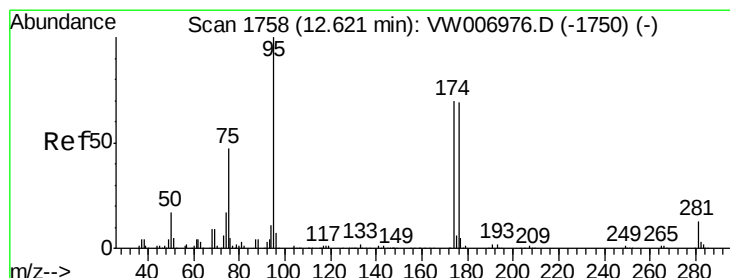
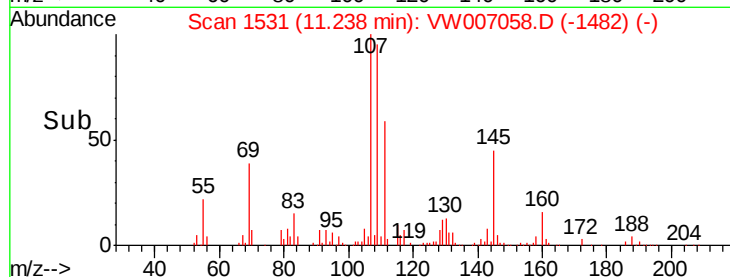
15000

10000

5000

0

Time--> 11.10 11.20 11.30



#62

4-Bromofluorobenzene

Concen: 44.122 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

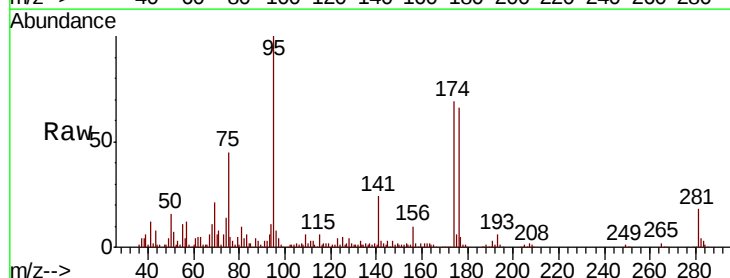
Tgt Ion: 95 Resp: 62534

Ion Ratio Lower Upper

95 100

174 69.3 0.0 143.6

176 70.0 0.0 140.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

50000

40000

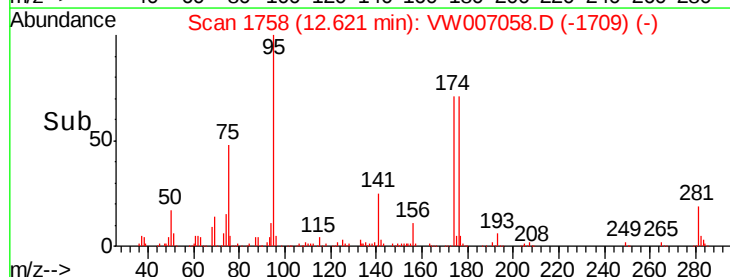
30000

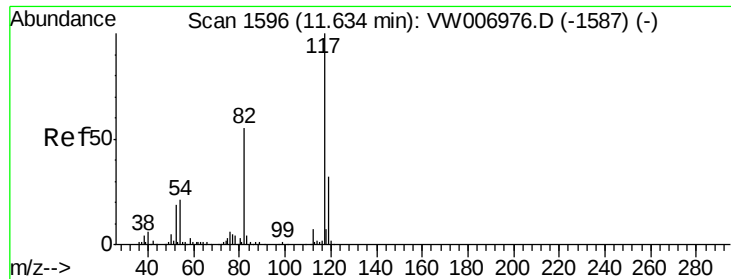
20000

10000

0

Time--> 12.55 12.60 12.65

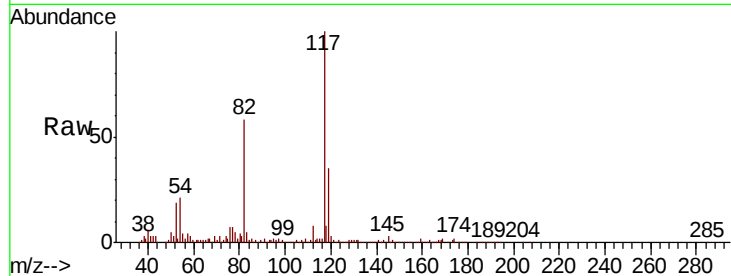




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	44.2	66.2
119	32.8	25.9	38.9

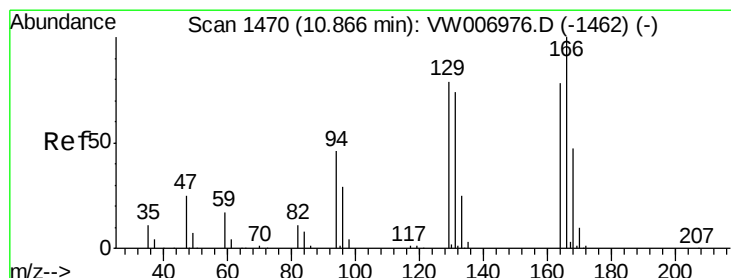
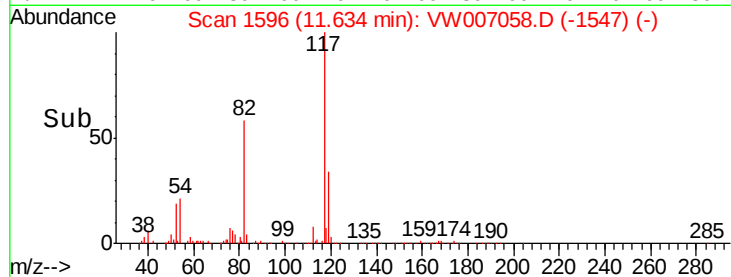
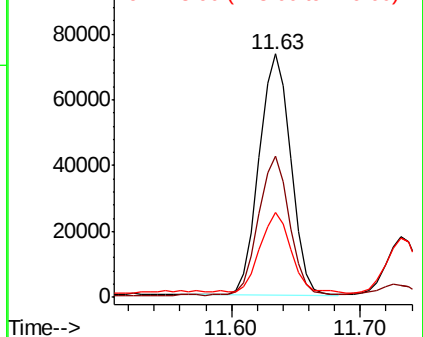


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 43.283 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	102.1	153.1
129	97.2	80.4	120.6
131	93.9	75.2	112.8

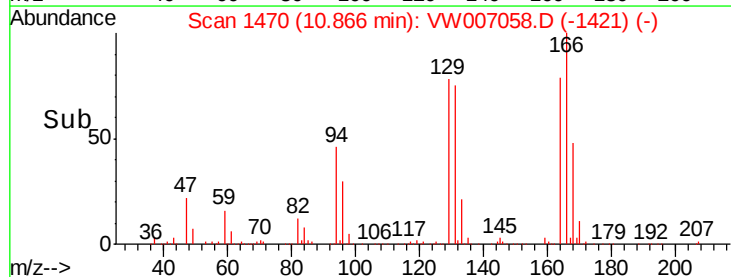
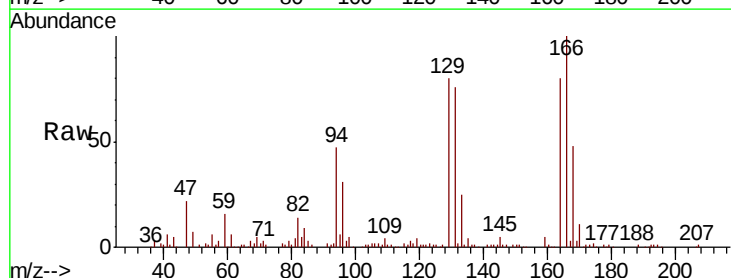
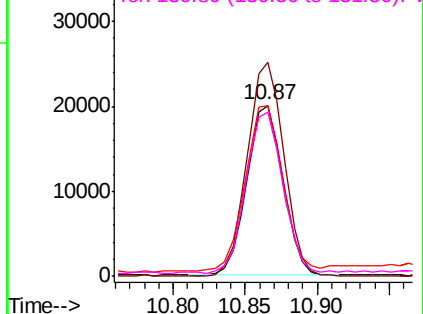
Abundance

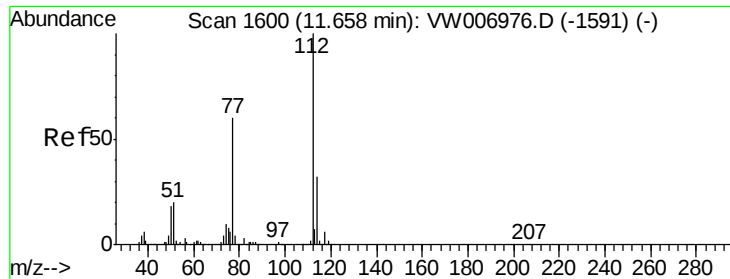
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

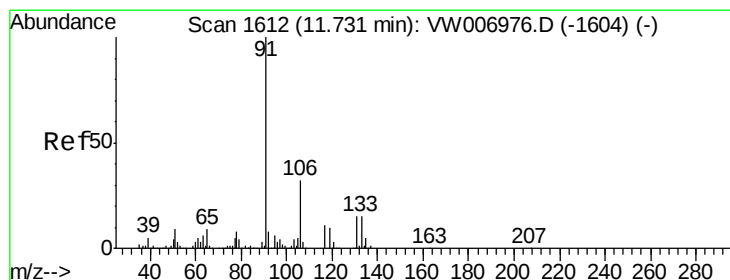
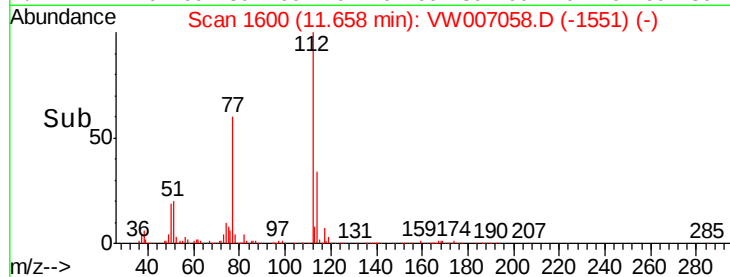
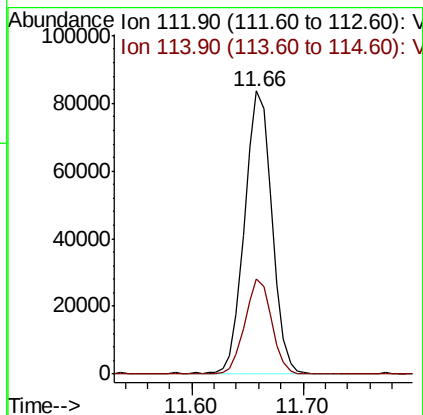
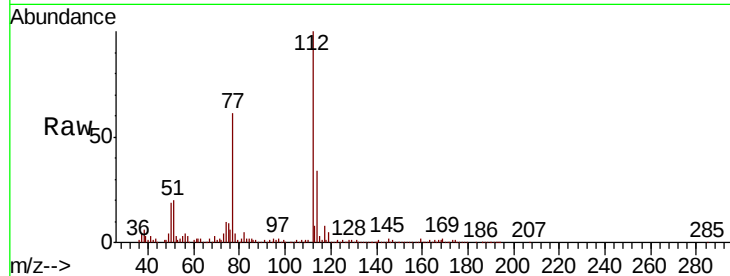




#65
Chlorobenzene
Concen: 54.614 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

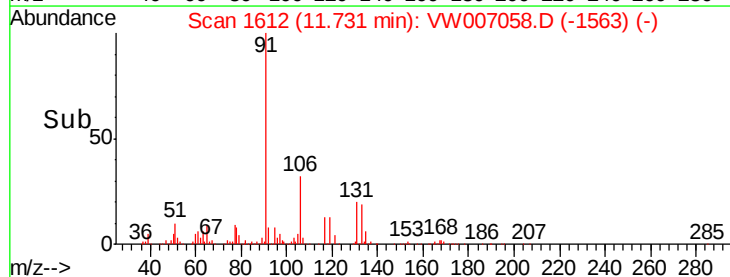
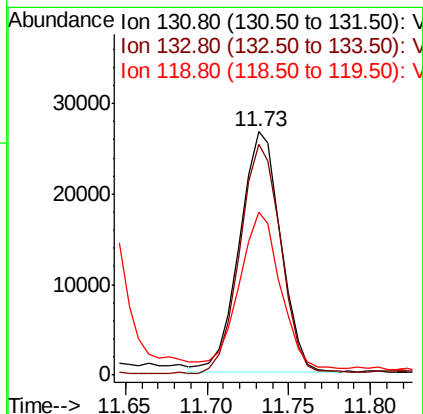
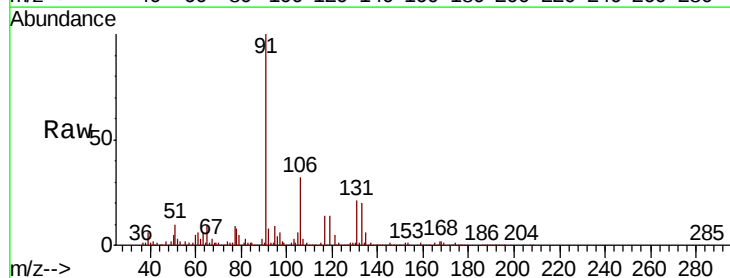
Instrument :
MSVOA_W
ClientSampleId :

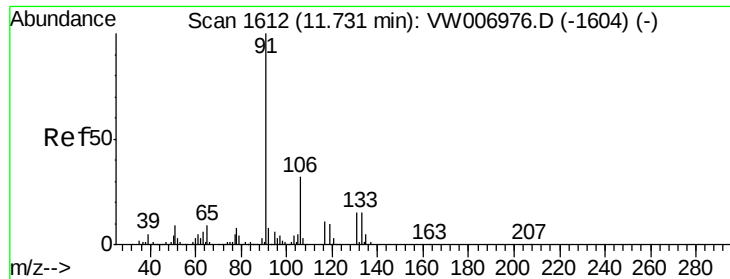
Tot Ion:112 Resp: 142354
Ion Ratio Lower Upper
112 100
114 33.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 59.366 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

Tgt Ion:131 Resp: 46810
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 65.2 31.8 95.3

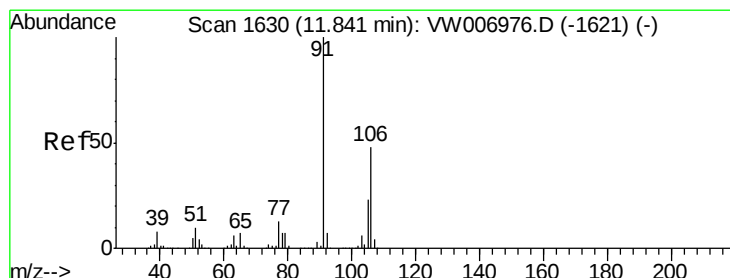
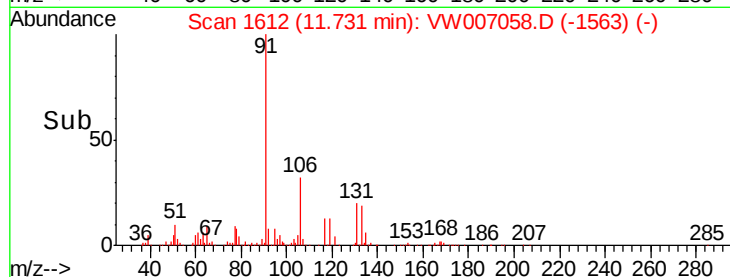
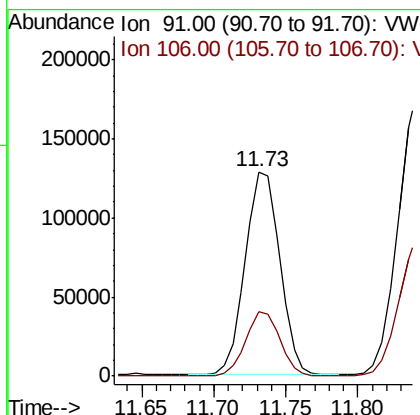
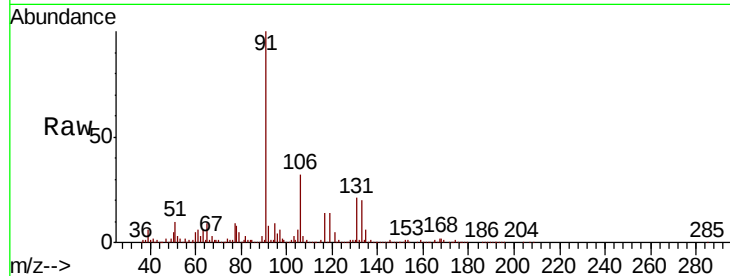




#67
Ethyl Benzene
Concen: 44.660 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

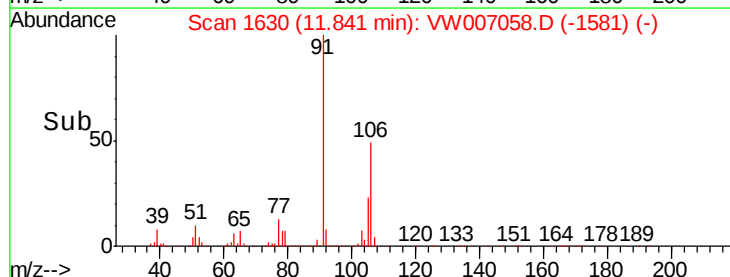
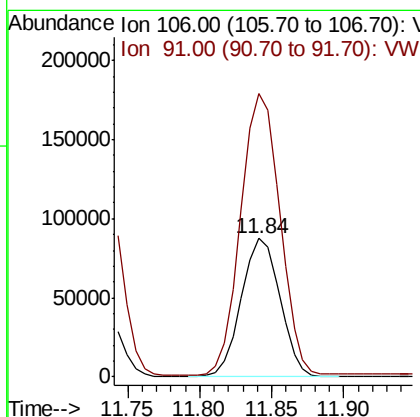
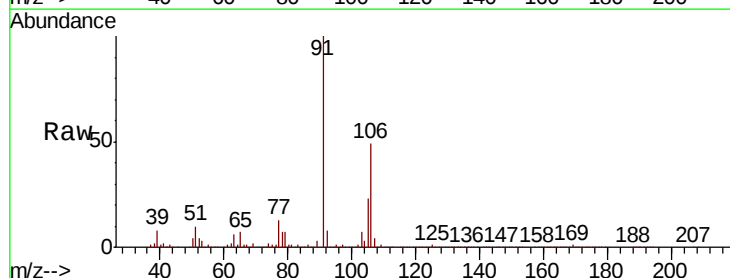
Instrument :
MSVOA_W
ClientSampled :

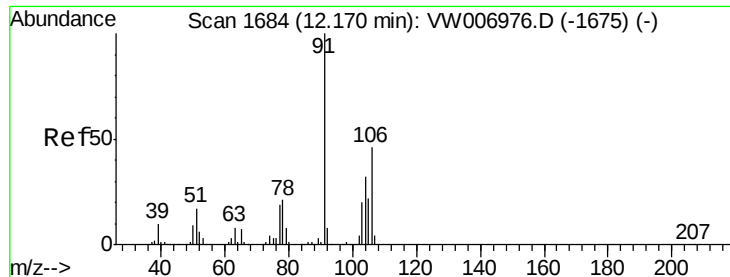
Tot Ion: 91 Resp: 213851
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.2



#68
m/p-Xylenes
Concen: 86.754 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

Tgt Ion: 106 Resp: 162980
Ion Ratio Lower Upper
106 100
91 207.9 164.8 247.2

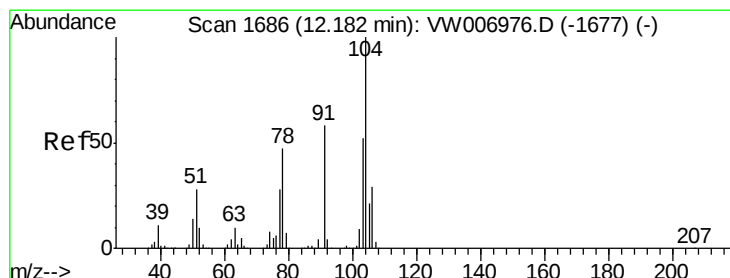
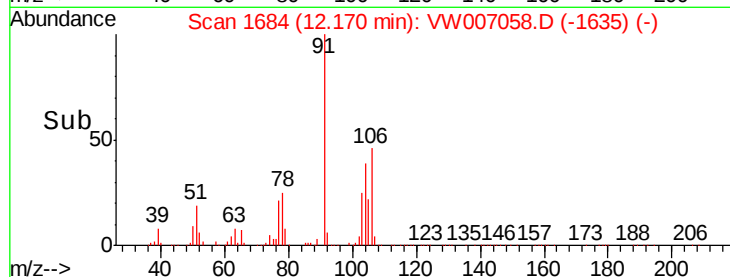
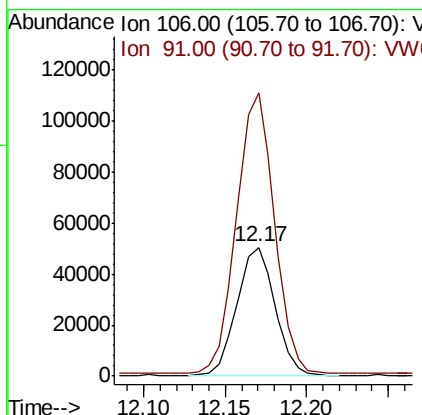
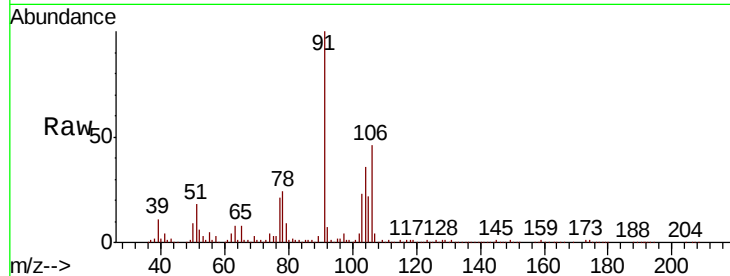




#69
o-Xylene
Concen: 46.133 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

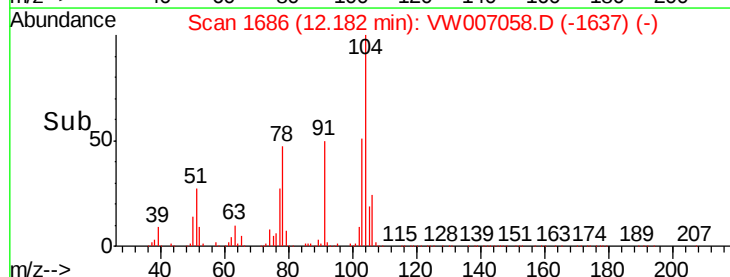
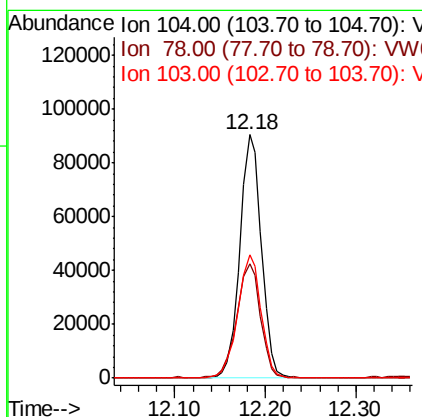
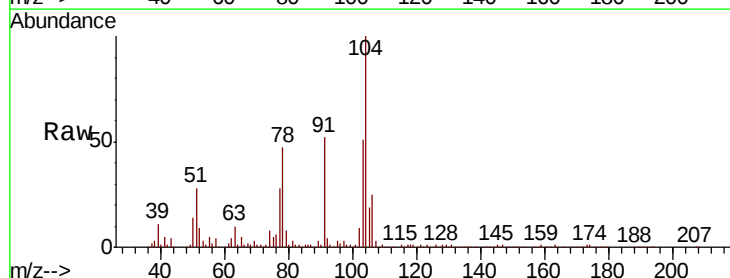
Instrument :
MSVOA_W
ClientSampled :

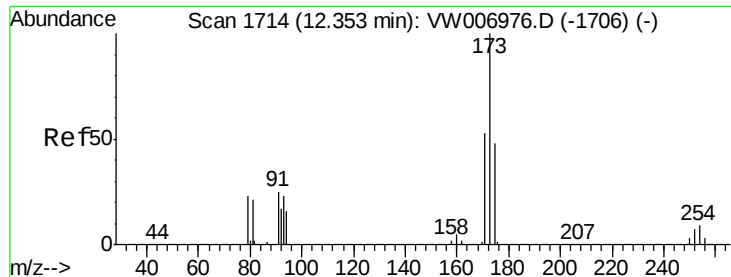
Tot Ion:106 Resp: 81721
Ion Ratio Lower Upper
106 100
91 217.5 107.9 323.8



#70
Styrene
Concen: 52.697 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

Tgt Ion:104 Resp: 148571
Ion Ratio Lower Upper
104 100
78 51.5 41.8 62.8
103 54.5 44.4 66.6





#71

Bromoform

Concen: 73.291 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Instrument :

MSVOA_W

ClientSampled :

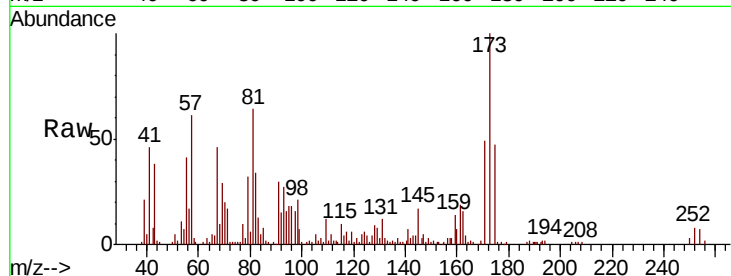
Tot Ion:173 Resp: 27224

Ion Ratio Lower Upper

173 100

175 47.2 24.0 72.0

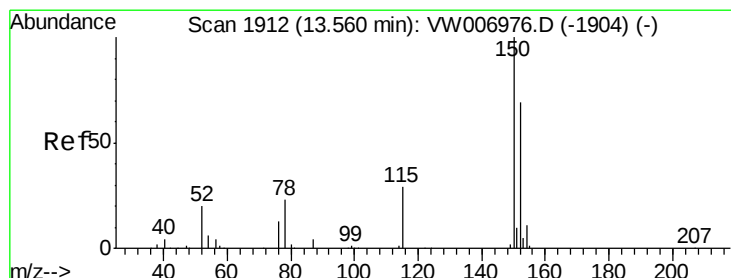
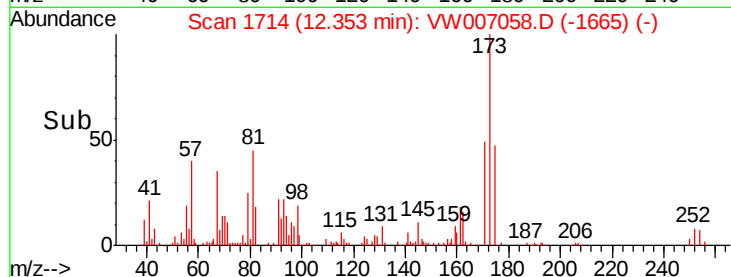
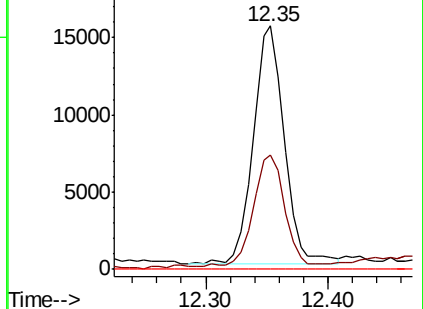
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

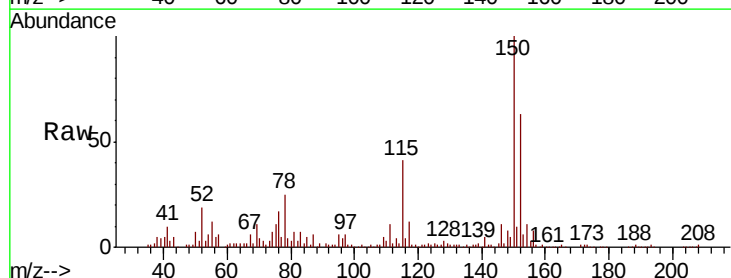
Tgt Ion:152 Resp: 45296

Ion Ratio Lower Upper

152 100

115 59.6 31.4 94.2

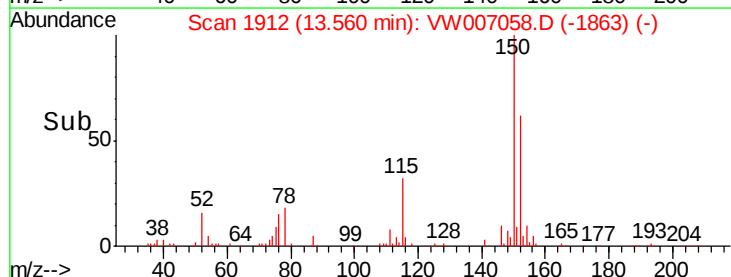
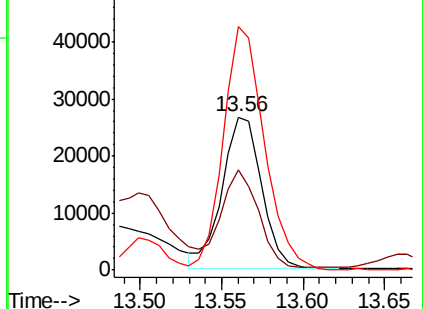
150 163.8 0.0 353.4

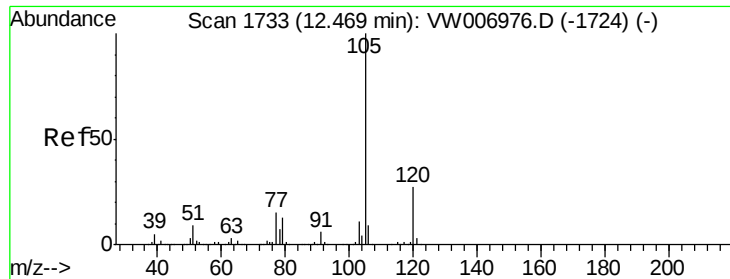


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 71.458 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Instrument :

MSVOA_W

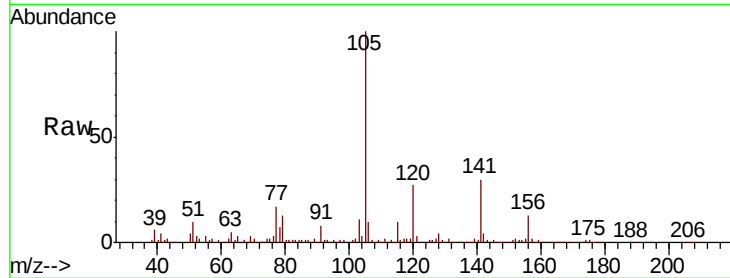
ClientSampleId :

Tot Ion:105 Resp: 251557

Ion Ratio Lower Upper

105 100

120 26.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

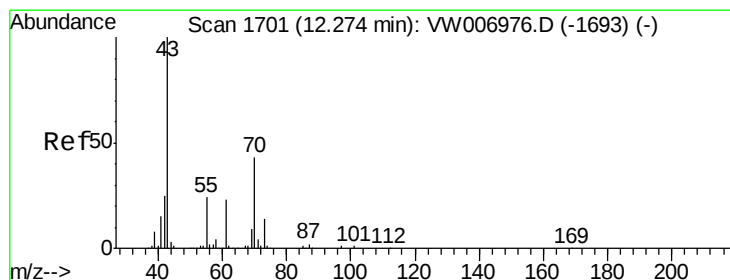
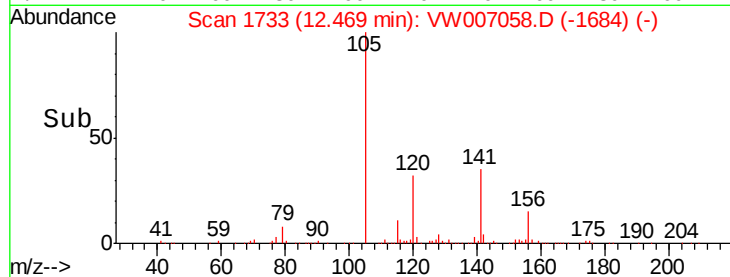
150000

100000

50000

0

Time--> 12.30 12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 122.006 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Tgt Ion: 43 Resp: 71984

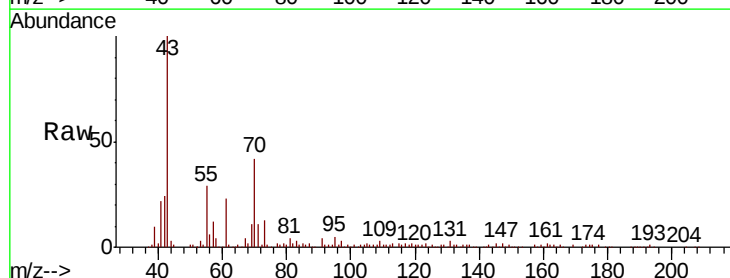
Ion Ratio Lower Upper

43 100

70 38.1 34.0 51.0

55 26.0 19.4 29.0

61 20.0 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

60000

50000

40000

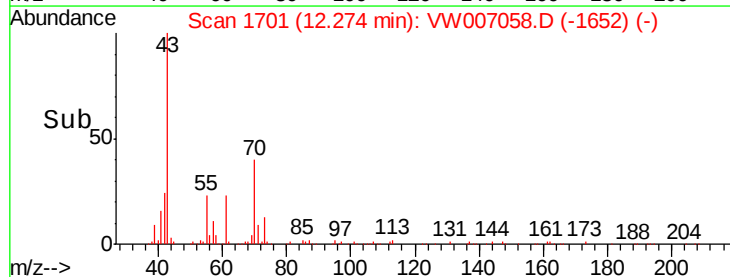
30000

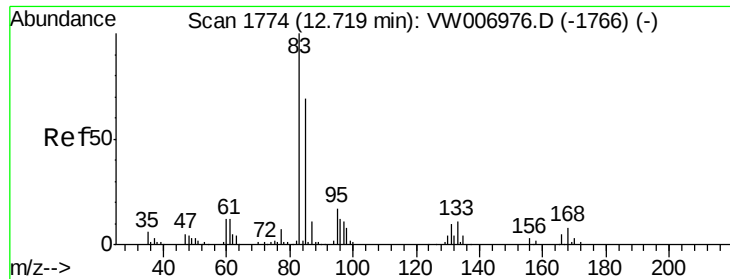
20000

10000

0

Time--> 12.20 12.25 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 111.358 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Instrument :

MSVOA_W

ClientSampleId :

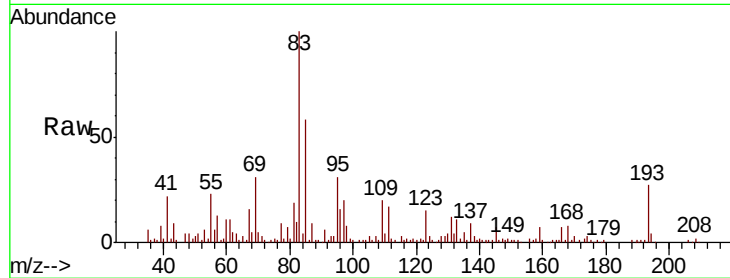
Tot Ion: 83 Resp: 52171

Ion Ratio Lower Upper

83 100

131 15.1 5.7 17.1

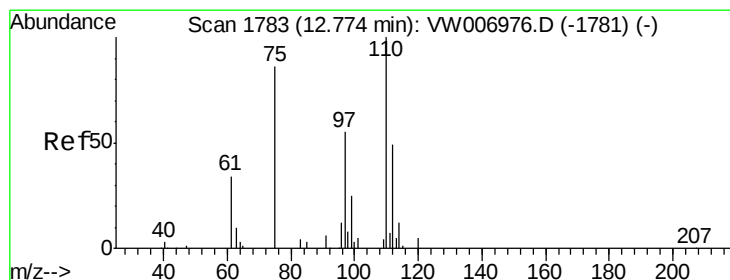
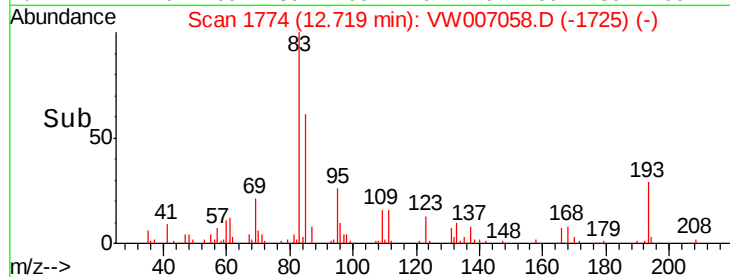
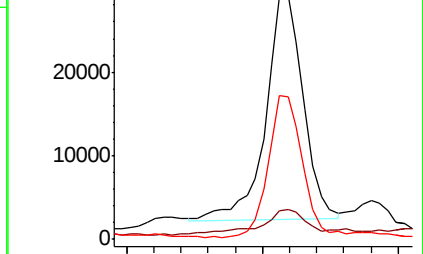
85 56.5 33.1 99.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 169.586 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007058.D

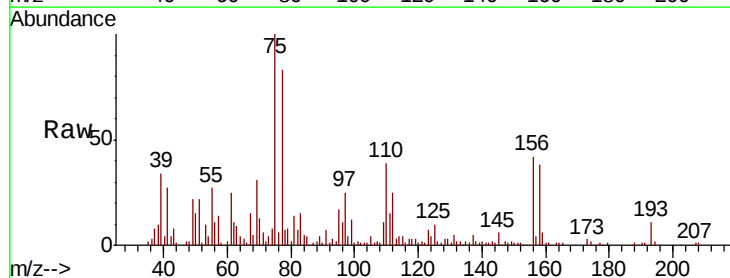
Acq: 26 Nov 2018 19:48

Tgt Ion: 75 Resp: 60361

Ion Ratio Lower Upper

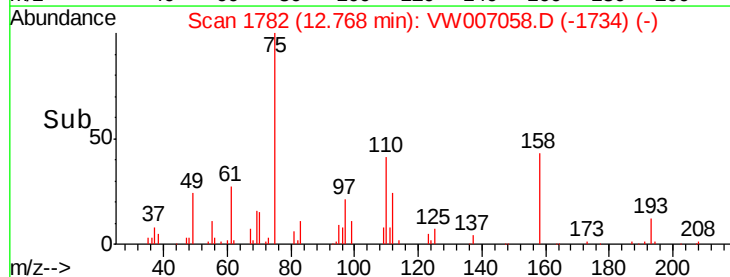
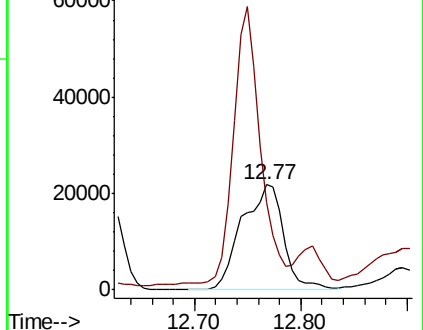
75 100

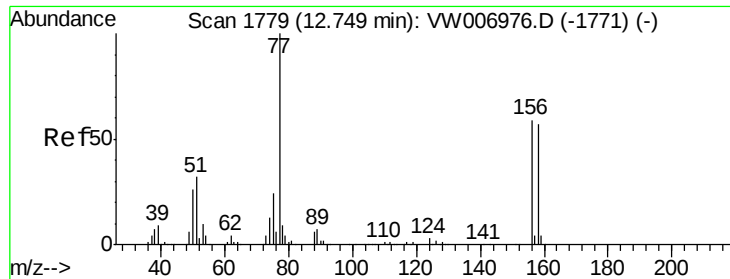
77 172.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 71.334 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Instrument :

MSVOA_W

ClientSampleId :

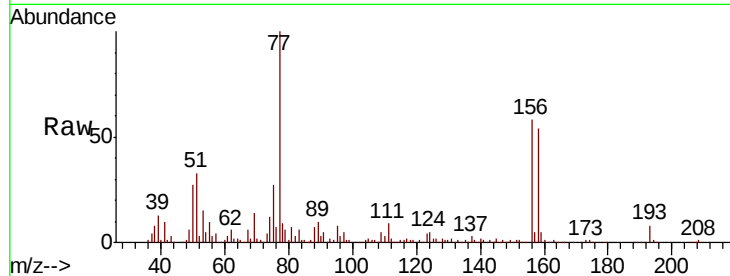
Tot Ion:156 Resp: 53936

Ion Ratio Lower Upper

156 100

77 193.2 94.6 283.8

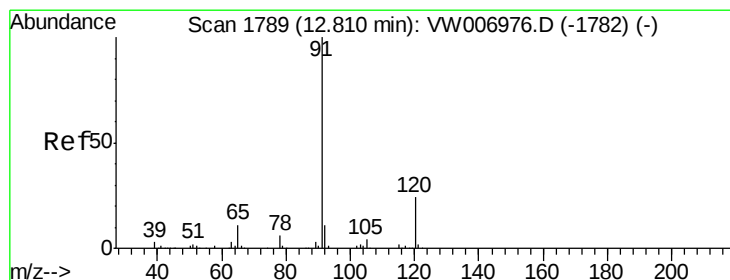
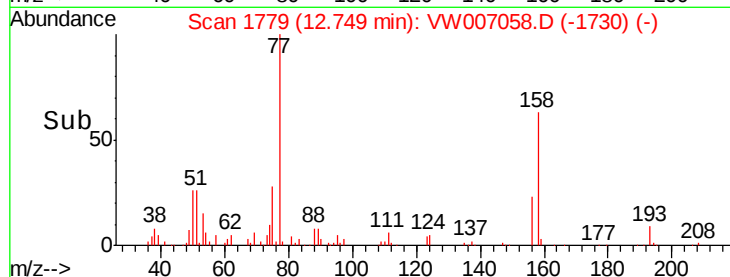
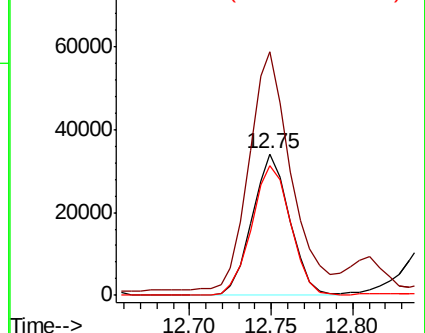
158 94.8 48.9 146.7



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: 72.923 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW007058.D

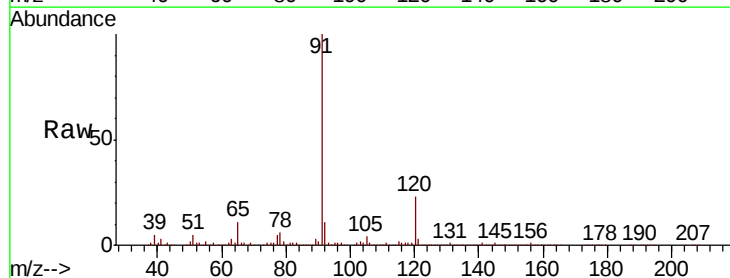
Acq: 26 Nov 2018 19:48

Tgt Ion: 91 Resp: 310957

Ion Ratio Lower Upper

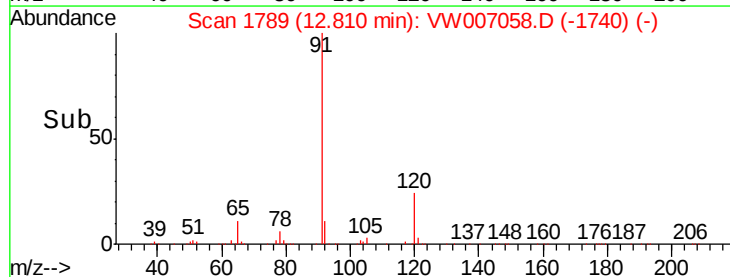
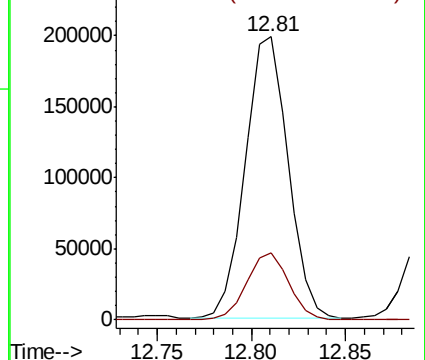
91 100

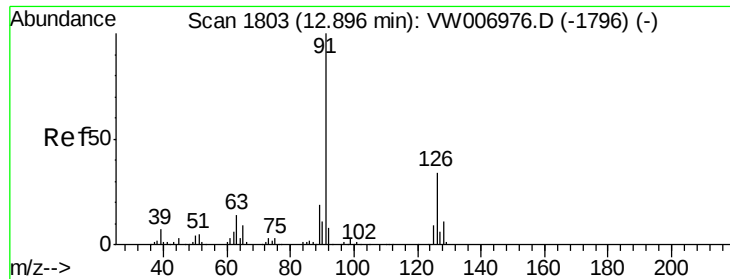
120 23.3 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.758 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Instrument :

MSVOA_W

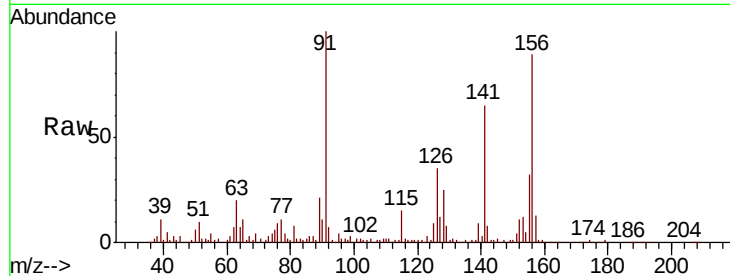
ClientSampled :

Tot Ion: 91 Resp: 124799

Ion Ratio Lower Upper

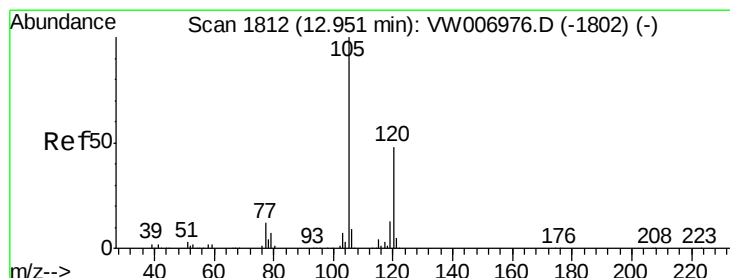
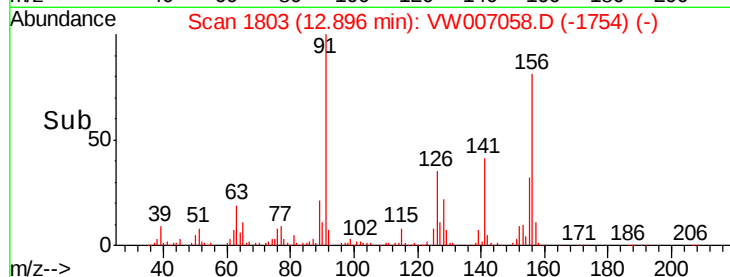
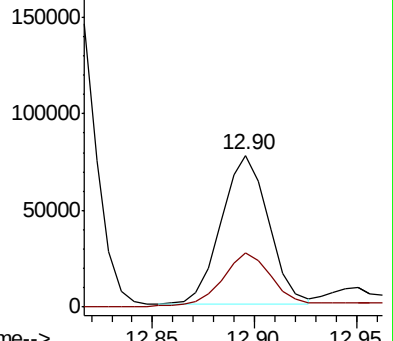
91 100

126 42.0 16.7 50.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 36.960 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW007058.D

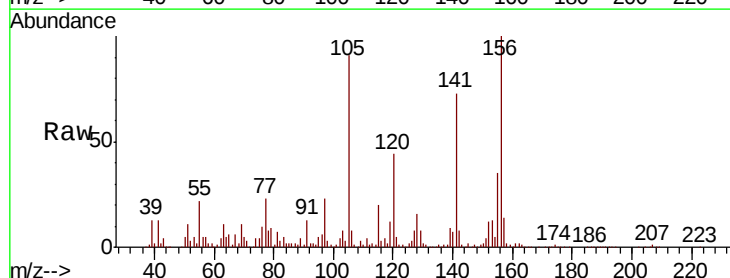
Acq: 26 Nov 2018 19:48

Tgt Ion:105 Resp: 112515

Ion Ratio Lower Upper

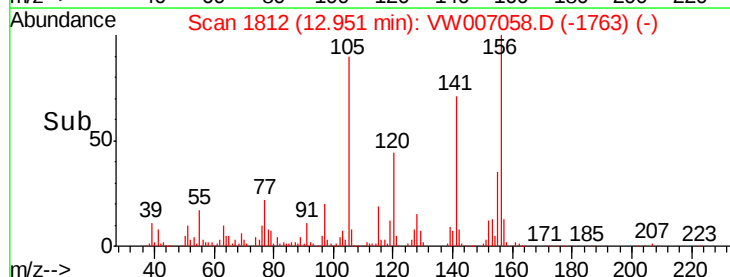
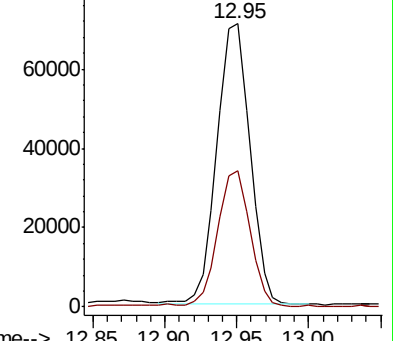
105 100

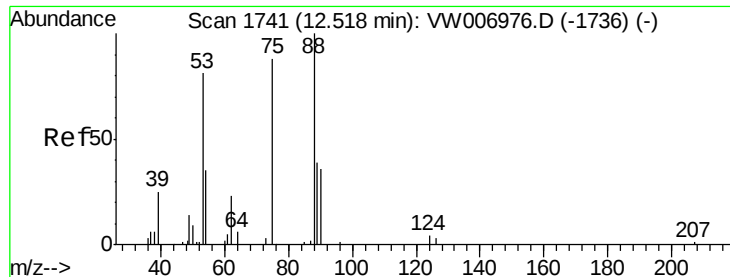
120 47.3 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 116.200 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Instrument :

MSVOA_W

ClientSampled :

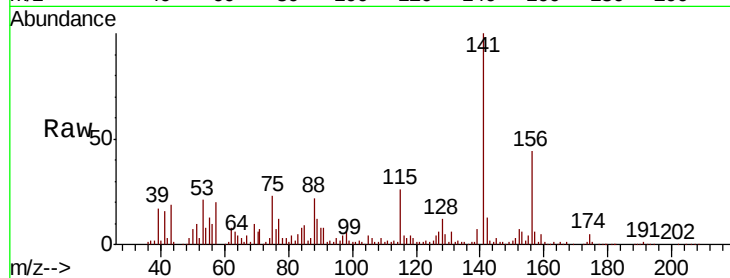
Tot Ion: 75 Resp: 16474

Ion Ratio Lower Upper

75 100

53 99.1 77.6 116.4

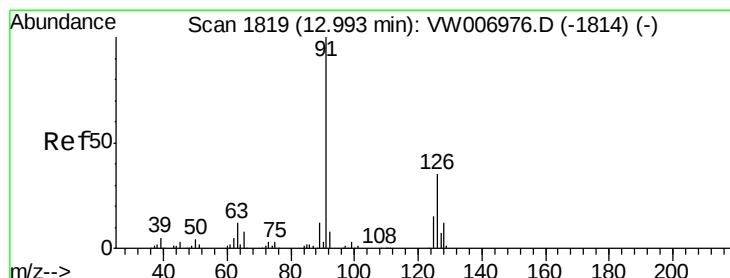
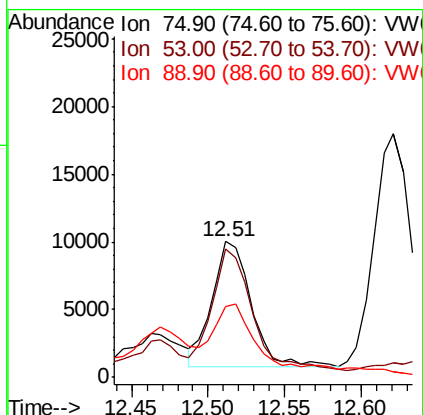
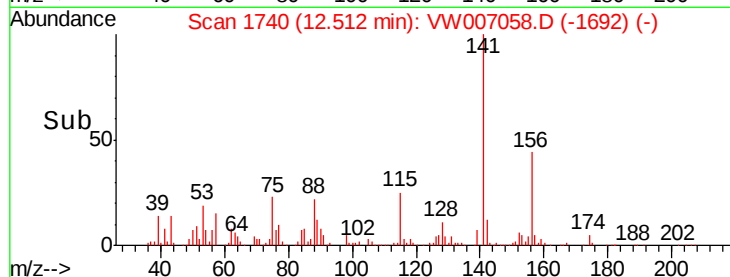
89 75.1 39.3 58.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 52.178 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW007058.D

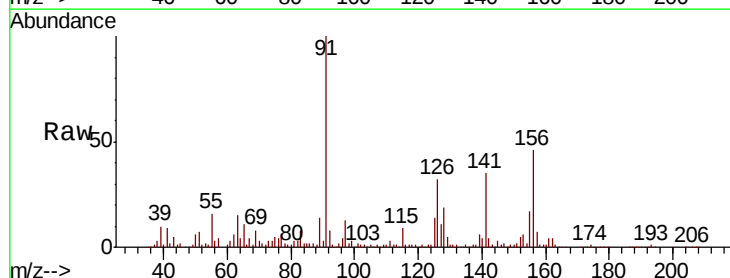
Acq: 26 Nov 2018 19:48

Tgt Ion: 91 Resp: 134629

Ion Ratio Lower Upper

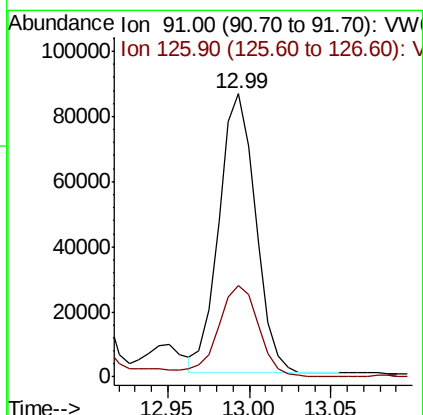
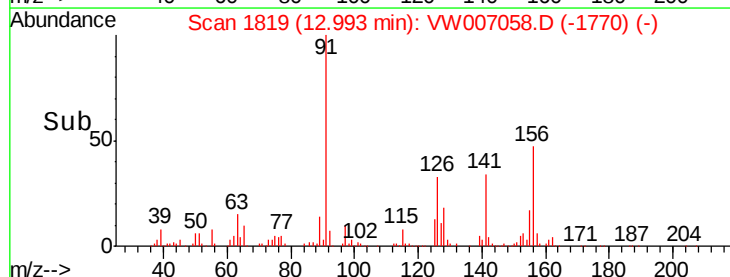
91 100

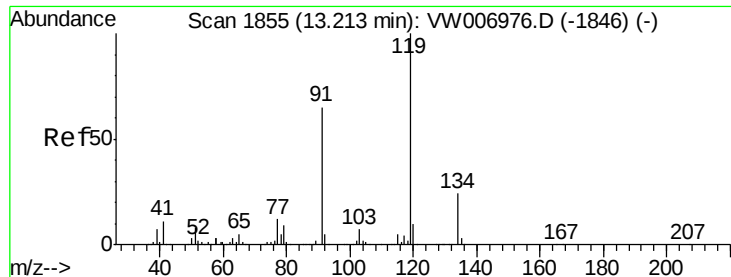
126 36.0 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

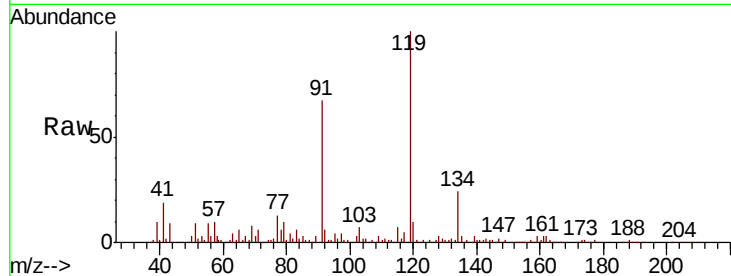




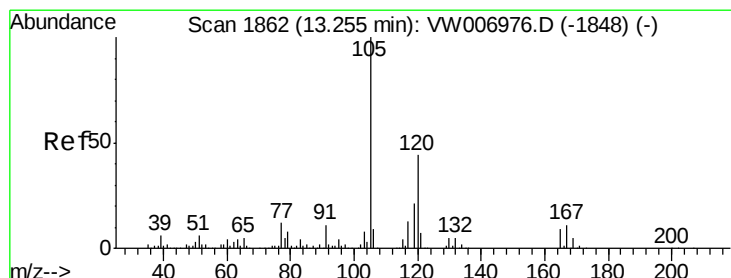
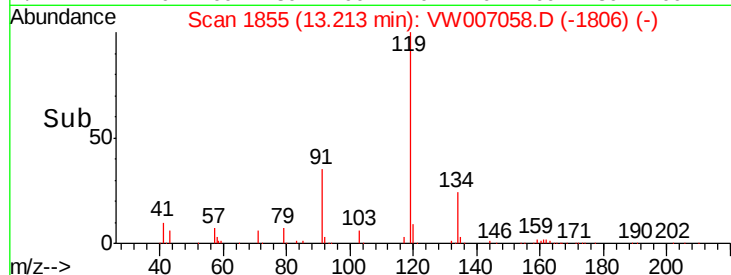
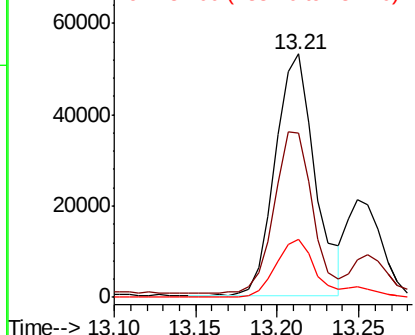
#83
tert-Butylbenzene
Concen: 34.036 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:119 Resp: 89707
Ion Ratio Lower Upper
119 100
91 63.3 33.5 100.5
134 22.6 12.6 37.8

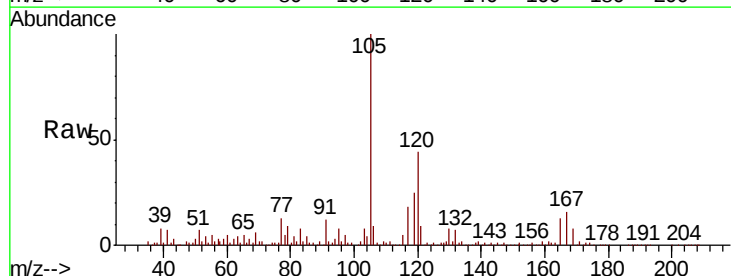


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

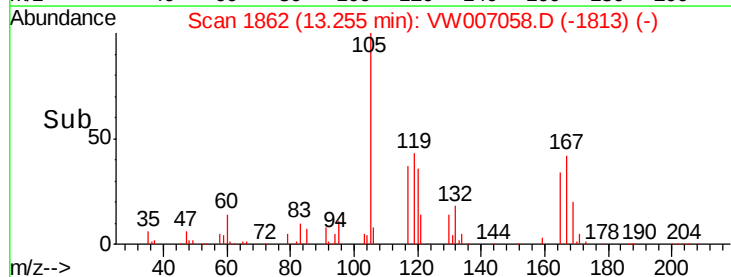
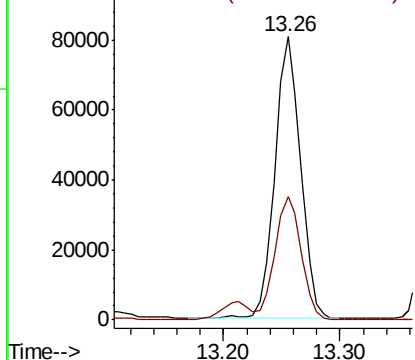


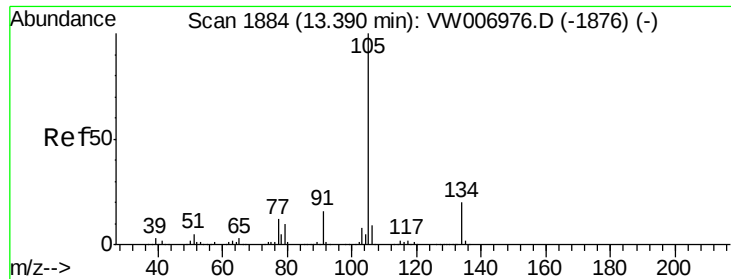
#84
1,2,4-Trimethylbenzene
Concen: 40.506 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

Tgt Ion:105 Resp: 122854
Ion Ratio Lower Upper
105 100
120 44.7 21.8 65.3



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





#85

sec-Butylbenzene

Concen: 61.800 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Instrument :

MSVOA_W

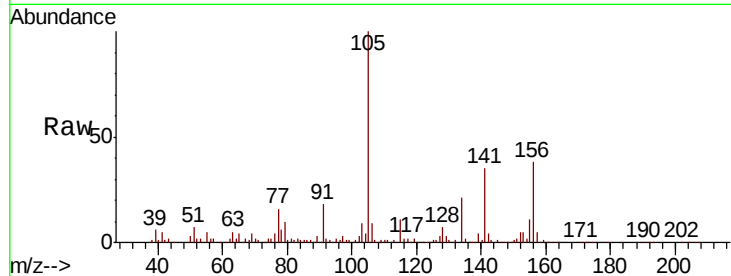
ClientSampleId :

Tot Ion:105 Resp: 230107

Ion Ratio Lower Upper

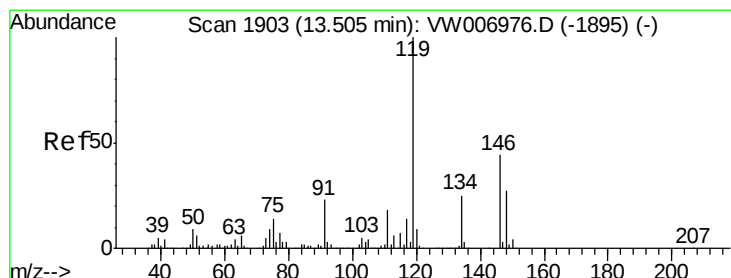
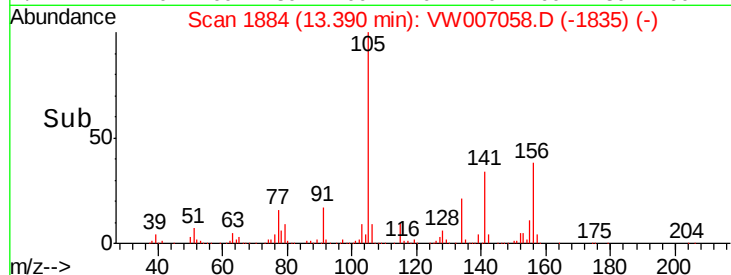
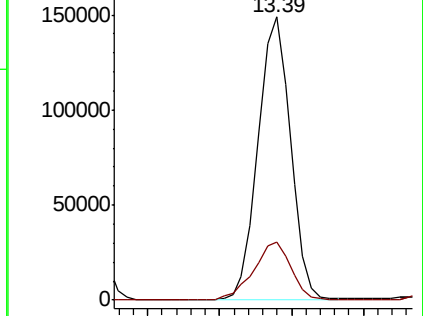
105 100

134 23.6 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.638 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

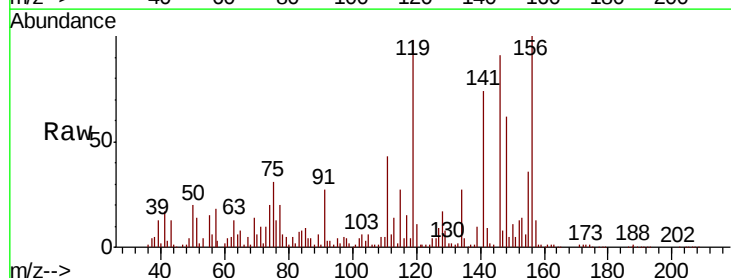
Tgt Ion:119 Resp: 74361

Ion Ratio Lower Upper

119 100

134 26.4 12.8 38.3

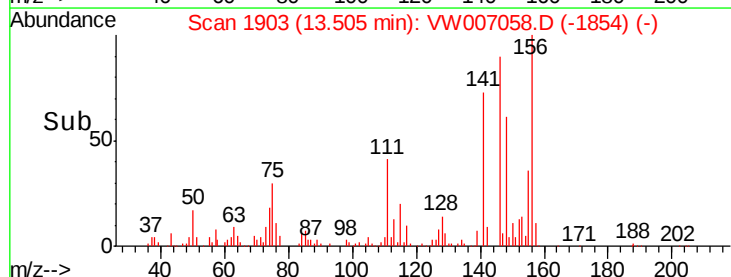
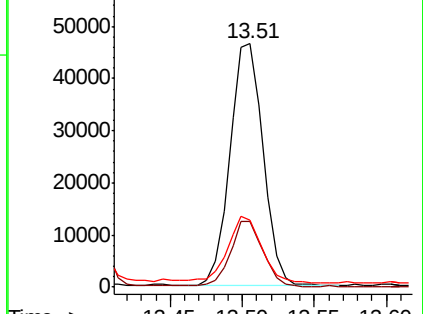
91 29.1 12.2 36.6

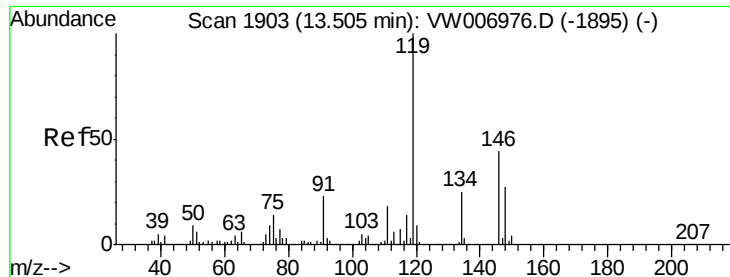


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

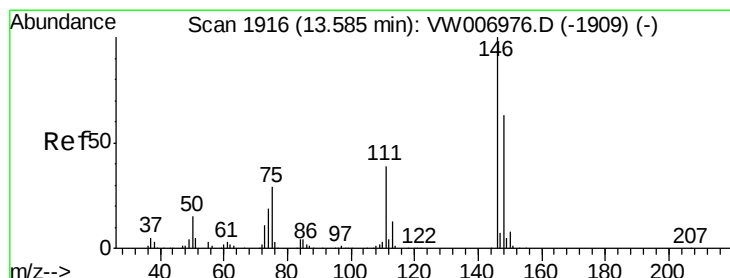
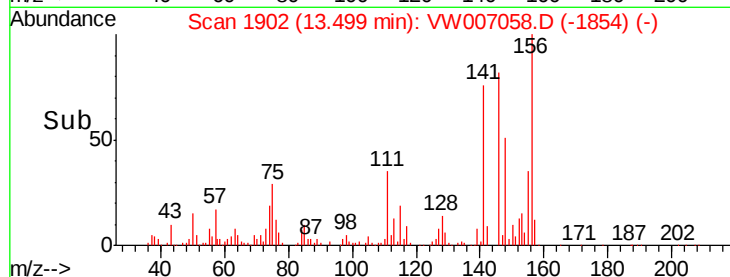
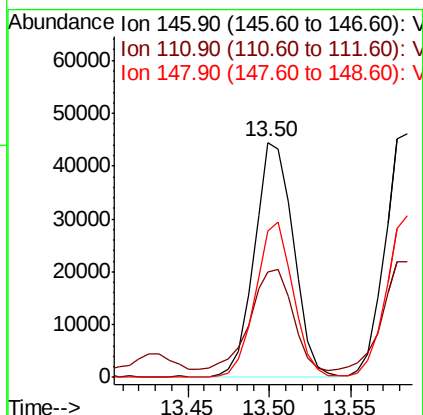
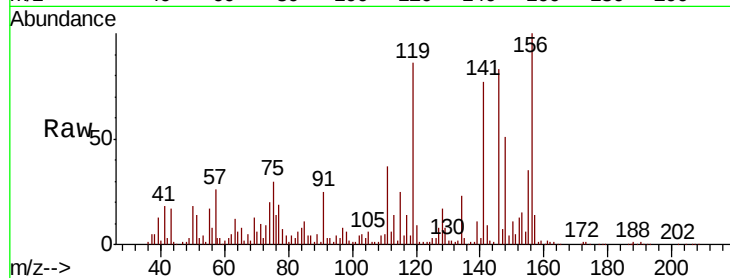




#87
 1,3-Dichlorobenzene
 Concen: 47.748 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007058.D
 Acq: 26 Nov 2018 19:48

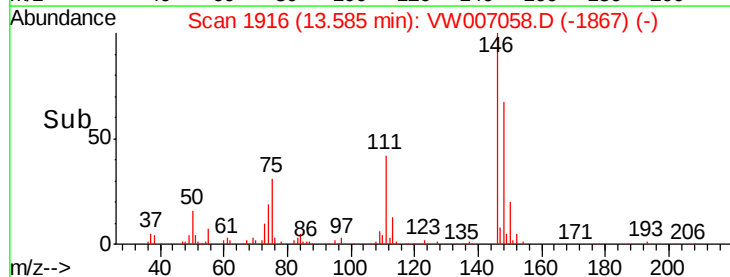
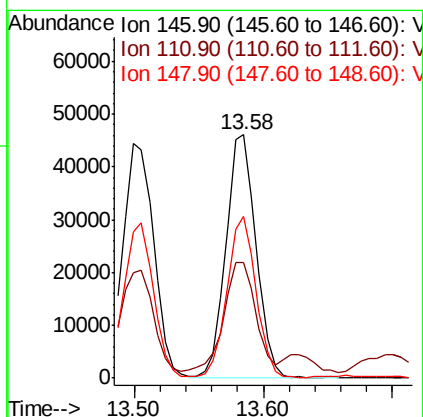
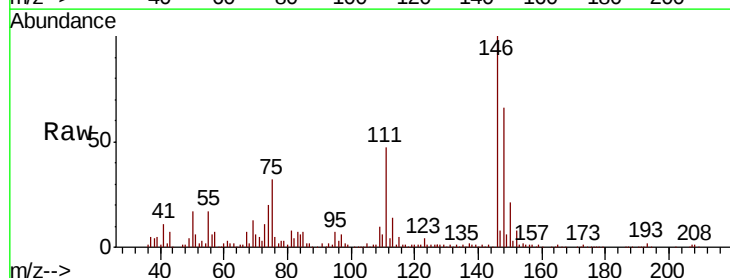
Instrument :
 MSVOA_W
 ClientSampleId :

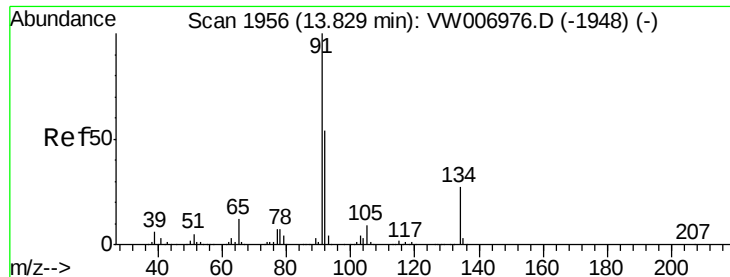
Tot Ion:146 Resp: 73704
 Ion Ratio Lower Upper
 146 100
 111 46.1 21.1 63.3
 148 63.9 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 49.228 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007058.D
 Acq: 26 Nov 2018 19:48

Tgt Ion:146 Resp: 75763
 Ion Ratio Lower Upper
 146 100
 111 46.1 20.6 61.8
 148 63.8 32.3 96.8





#89

n-Butylbenzene

Concen: 42.104 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Instrument :

MSVOA_W

ClientSampleId :

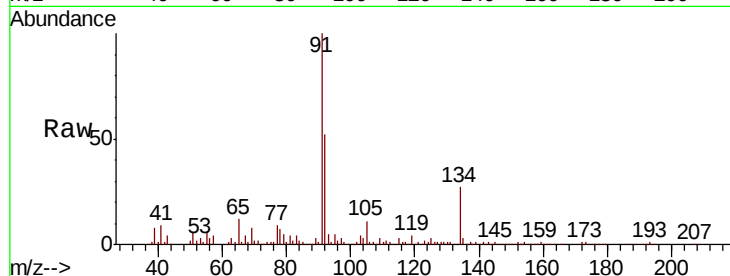
Tot Ion: 91 Resp: 130153

Ion Ratio Lower Upper

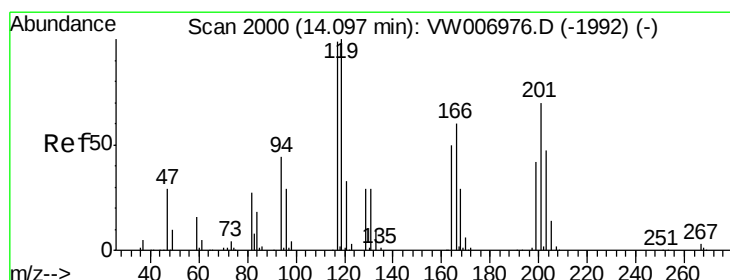
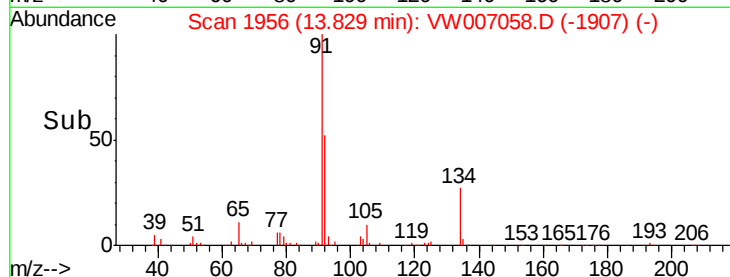
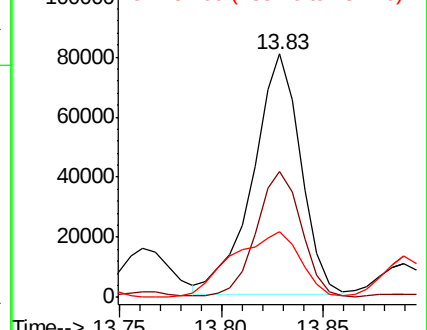
91 100

92 49.2 26.8 80.4

134 38.6 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 127.602 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW007058.D

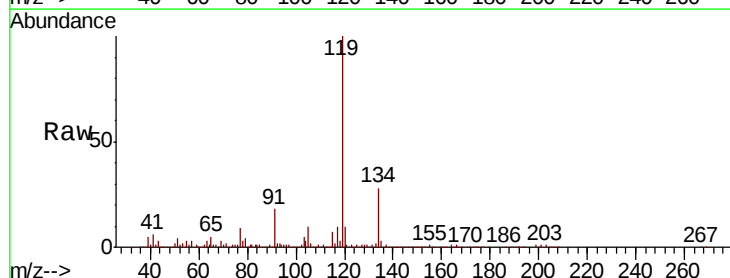
Acq: 26 Nov 2018 19:48

Tgt Ion: 117 Resp: 61195

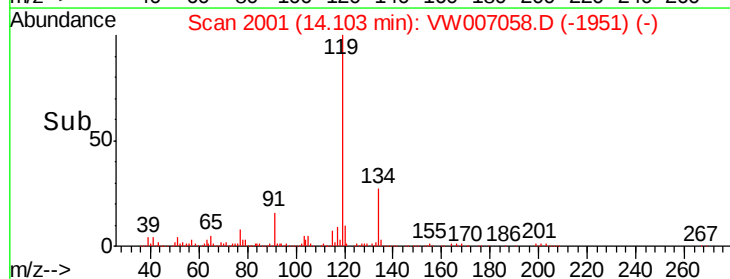
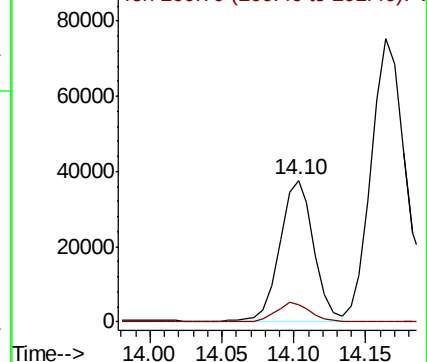
Ion Ratio Lower Upper

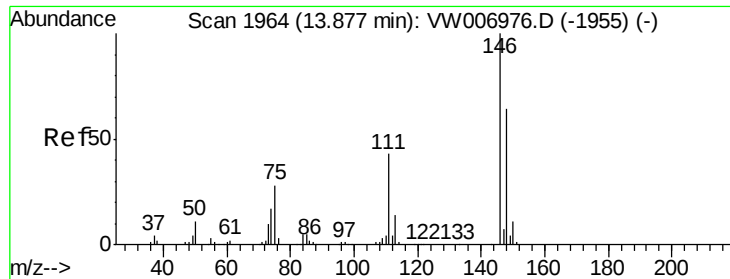
117 100

201 14.1 35.9 107.5#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 54.173 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

Instrument :

MSVOA_W

ClientSampleId :

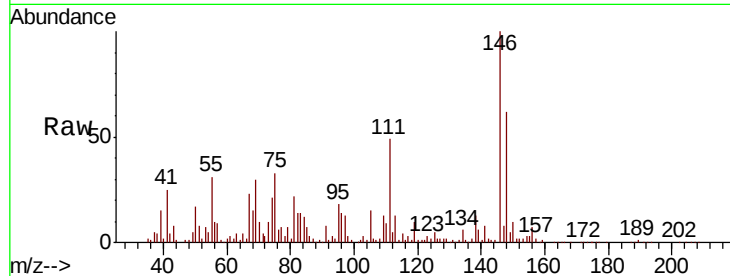
Tot Ion:146 Resp: 73272

Ion Ratio Lower Upper

146 100

111 55.2 21.9 65.7

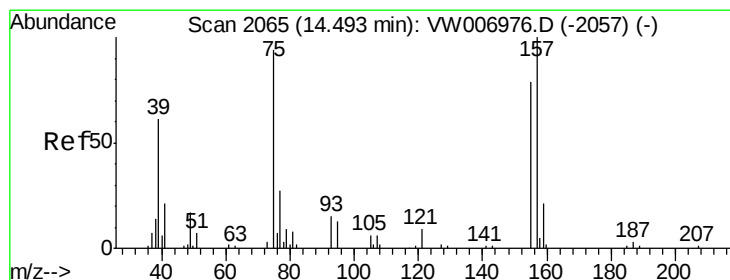
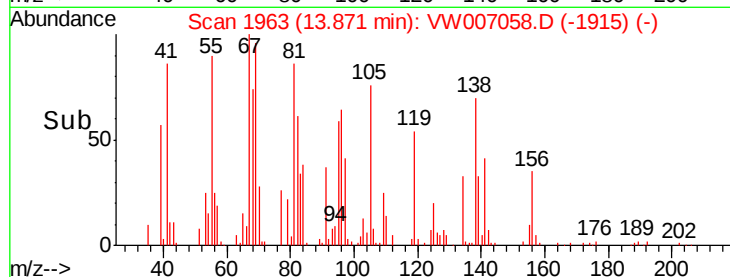
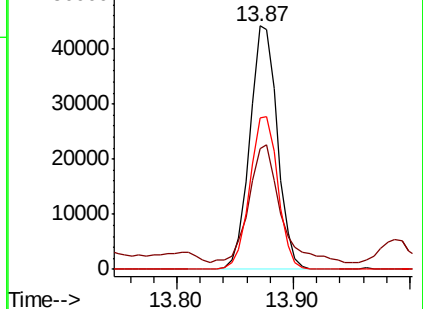
148 63.9 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 106.173 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW007058.D

Acq: 26 Nov 2018 19:48

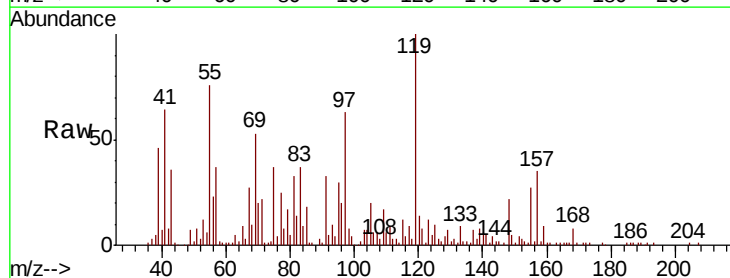
Tgt Ion: 75 Resp: 8401

Ion Ratio Lower Upper

75 100

155 76.3 42.6 127.8

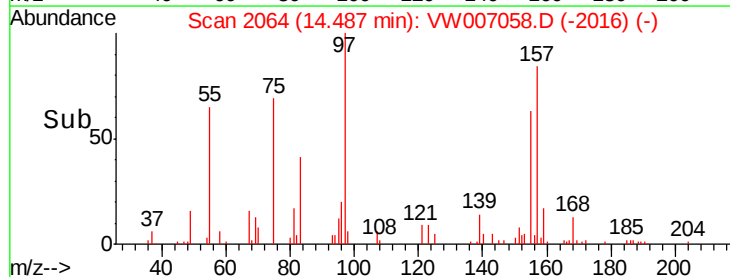
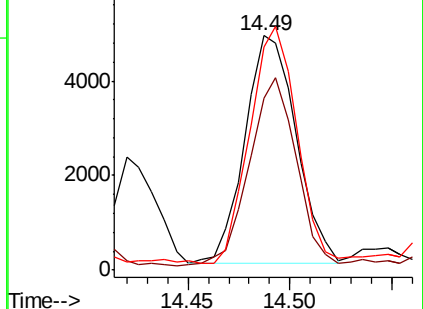
157 95.2 55.0 165.0

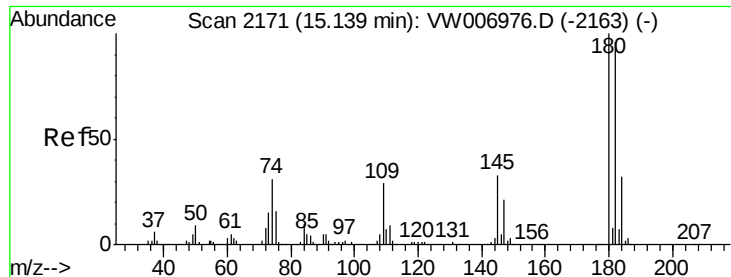


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

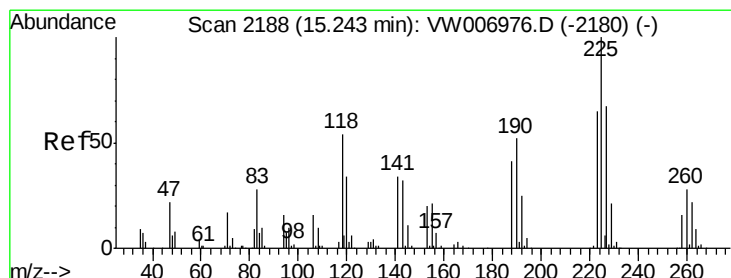
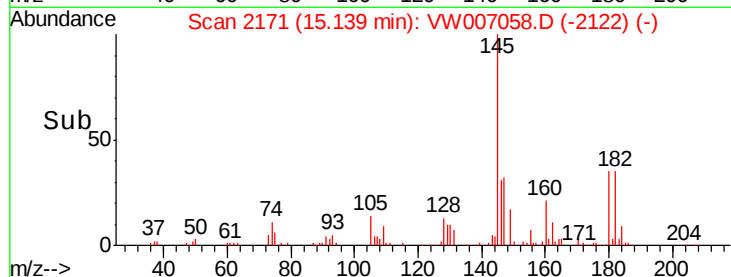
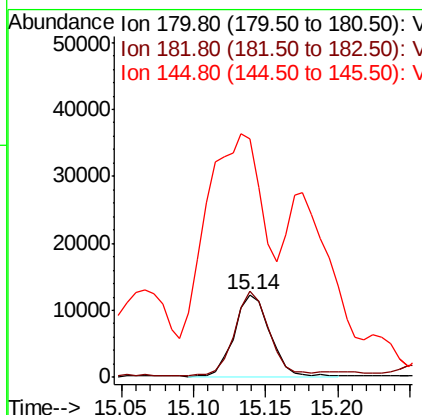
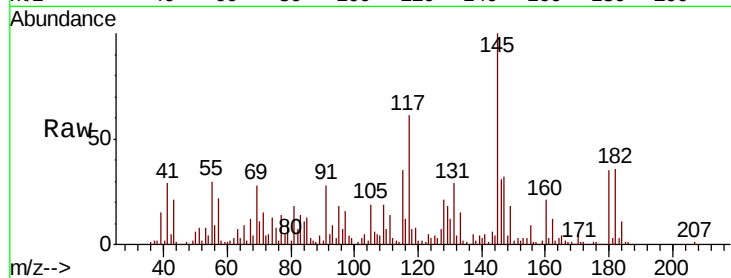




#93
 1,2,4-Trichlorobenzene
 Concen: 23.516 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007058.D
 Acq: 26 Nov 2018 19:48

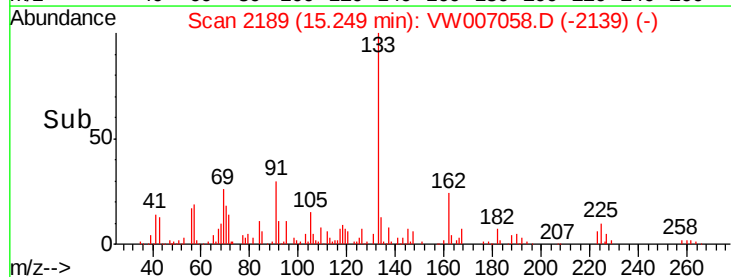
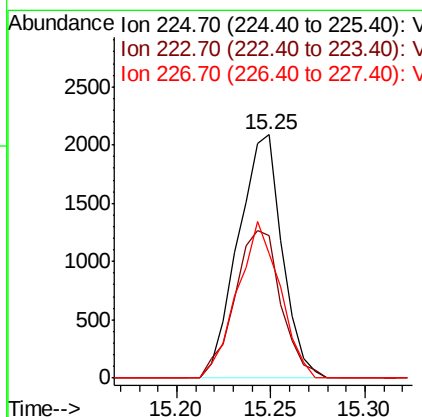
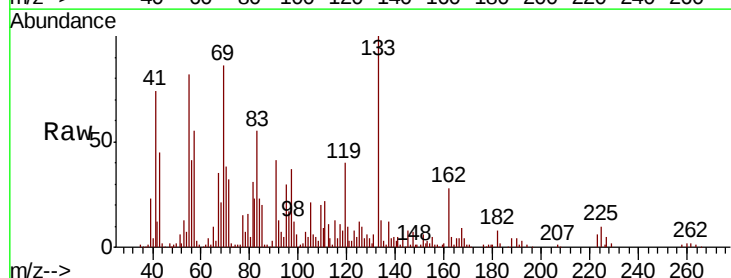
Instrument :
 MSVOA_W
 ClientSampled :

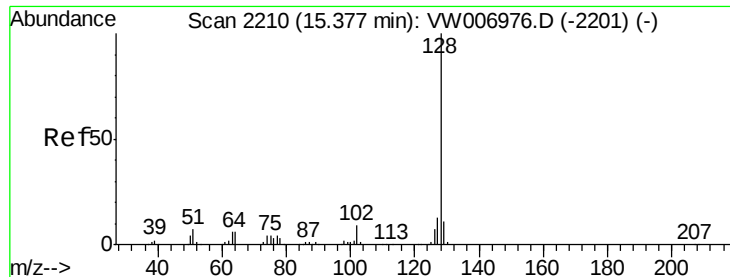
Tot Ion:180 Resp: 20974
 Ion Ratio Lower Upper
 180 100
 182 99.7 47.1 141.3
 145 424.0 16.5 49.5#



#94
 Hexachlorobutadiene
 Concen: 6.955 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW007058.D
 Acq: 26 Nov 2018 19:48

Tgt Ion:225 Resp: 3372
 Ion Ratio Lower Upper
 225 100
 223 63.9 32.4 97.0
 227 62.4 31.9 95.5

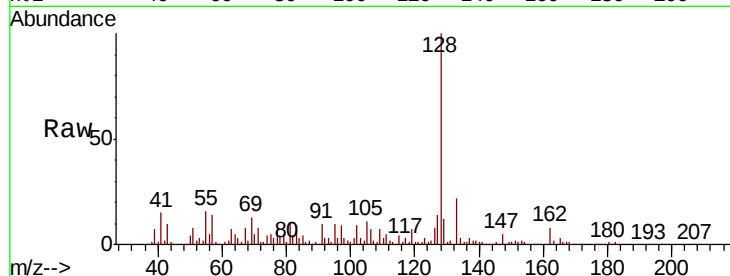




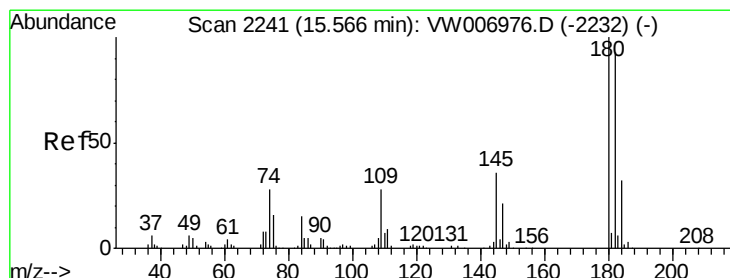
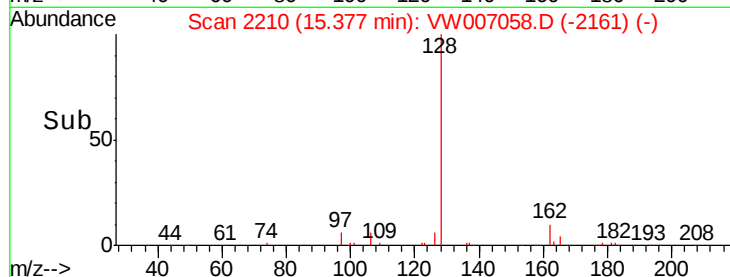
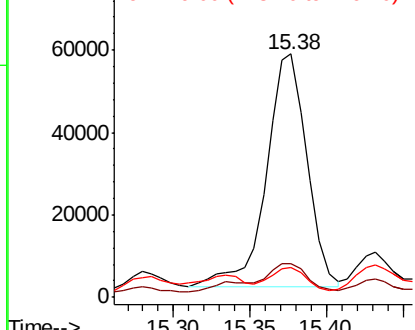
#95
Naphthalene
Concen: 63.993 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 103604
Ion Ratio Lower Upper
128 100
127 11.1 10.5 15.7
129 8.3 8.7 13.1#

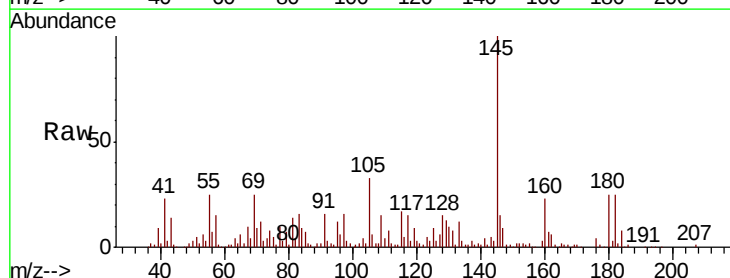


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 30.827 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW007058.D
Acq: 26 Nov 2018 19:48

Tgt Ion:180 Resp: 22810
Ion Ratio Lower Upper
180 100
182 87.5 47.0 141.2
145 333.0 18.0 54.0#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

