

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112618\
 Data File : VW007048.D
 Acq On : 26 Nov 2018 15:34
 Operator : VAY/AP
 Sample : J6003-12
 Misc : 6.23G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 27 05:24:54 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	7.96	168	92711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	143519	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	145008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	70441	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	52174	57.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.96%	
35) Dibromofluoromethane	7.89	113	49255	60.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.54%	
50) Toluene-d8	10.34	98	238455	66.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.26%	
62) 4-Bromofluorobenzene	12.62	95	107514	76.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.68%	

Target Compounds

						Qvalue
3) Chloromethane	2.17	50	13757	18.034	ug/l #	68
6) Chloroethane	3.03	64	2044	4.940	ug/l #	1
11) Tert butyl alcohol	5.17	59	292	4.942	ug/l #	71
13) Acrolein	3.85	56	164426	2709.683	ug/l #	1
14) Allyl chloride	4.78	41	327587	235.358	ug/l #	55
15) Acrylonitrile	5.45	53	120310	673.114	ug/l #	40
16) Acetone	4.11	43	183903	1395.511	ug/l #	53
18) Methyl Acetate	4.75	43	142966	304.640	ug/l #	50
20) Methylene Chloride	4.78	84	82207	81.701	ug/l #	17
23) Vinyl Acetate	6.24	43	103623	72.029	ug/l #	74
24) 1,1-Dichloroethane	6.23	63	11245	6.823	ug/l #	83
25) 2-Butanone	7.17	43	59789	264.897	ug/l #	50
29) Tetrahydrofuran	7.54	42	4788	32.754	ug/l #	32
30) Chloroform	7.71	83	35669	20.372	ug/l	93
31) Cyclohexane	7.94	56	1112933	636.660	ug/l #	55
36) 1,1-Dichloropropene	7.95	75	8554	6.099	ug/l #	48
37) Ethyl Acetate	7.17	43	59789	117.644	ug/l #	72
38) Carbon Tetrachloride	7.95	117	9805	7.301	ug/l #	16
39) Methylcyclohexane	9.34	83	1252430	713.603	ug/l #	81
40) Benzene	8.33	78	8667736	2289.555	ug/l	98
41) Methacrylonitrile	7.53	41	58346	184.863	ug/l #	51
42) 1,2-Dichloroethane	8.41	62	20387	18.548	ug/l #	74
43) Isopropyl Acetate	8.43	43	219253	226.385	ug/l #	49
45) 1,2-Dichloropropane	9.34	63	27677	29.657	ug/l #	1
46) Dibromomethane	9.48	93	782	1.673	ug/l #	1
47) Bromodichloromethane	9.63	83	137113	111.356	ug/l #	25
48) Methyl methacrylate	9.48	41	302177	647.077	ug/l #	28
51) 4-Methyl-2-Pentanone	10.27	43	836399	1708.902	ug/l #	79
52) Toluene	10.40	92	20931023	8124.148	ug/l #	1
53) t-1,3-Dichloropropene	10.40	75	288004	241.455	ug/l #	1
55) 1,1,2-Trichloroethane	10.77	97	333071	484.408	ug/l #	29
56) Ethyl methacrylate	10.63	69	38305	47.993	ug/l #	23
58) 2-Chloroethyl Vinyl ether	9.91	63	25004	59.952	ug/l #	45
59) 2-Hexanone	10.94	43	209624	625.441	ug/l #	30

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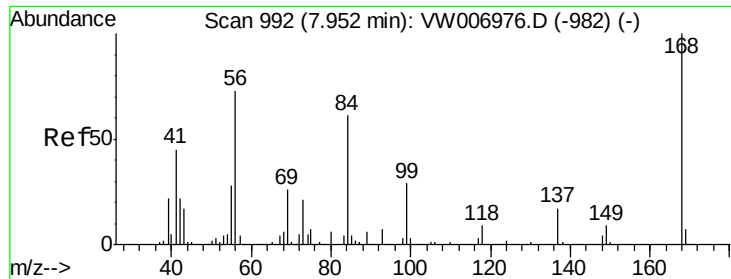
Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 27 05:24:54 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

60) Dibromochloromethane	11.04	129	1590	2.029	ug/l	79
61) 1,2-Dibromoethane	11.24	107	102092	162.311	ug/l	90
67) Ethyl Benzene	11.74	91	9416289	1693.603	ug/l	99
68) m/p-Xylenes	11.85	106	9756028	4472.518	ug/l	94
69) o-Xylene	12.18	106	4239077	2060.988	ug/l	95
70) Styrene	12.18	104	234574	71.657	ug/l #	1
73) Isopropylbenzene	12.47	105	978710	178.773	ug/l	99
74) N-amyl acetate	12.26	43	127092	138.515	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.71	83	8033	11.026	ug/l #	1
76) 1,2,3-Trichloropropane	12.81	75	28460	51.416	ug/l #	100
78) n-propylbenzene	12.81	91	4279030	645.270	ug/l	99
79) 2-Chlorotoluene	12.88	91	1442765	377.331	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.95	105	4679690	988.496	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.47	75	12063	54.714	ug/l #	64
82) 4-Chlorotoluene	12.95	91	525653	131.004	ug/l #	42
83) tert-Butylbenzene	13.26	119	1639917	400.104	ug/l #	60
84) 1,2,4-Trimethylbenzene	13.26	105	12974980	2750.876	ug/l	98
85) sec-Butylbenzene	13.26	105	12974980	2240.770	ug/l #	57
86) p-Isopropyltoluene	13.45	119	432849	84.733	ug/l	98
89) n-Butylbenzene	13.83	91	561253	116.750	ug/l #	69
90) Hexachloroethane	14.10	117	250161	335.426	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4573	37.164	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.14	180	2342	1.689	ug/l #	79
95) Naphthalene	15.38	128	1861074	739.183	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

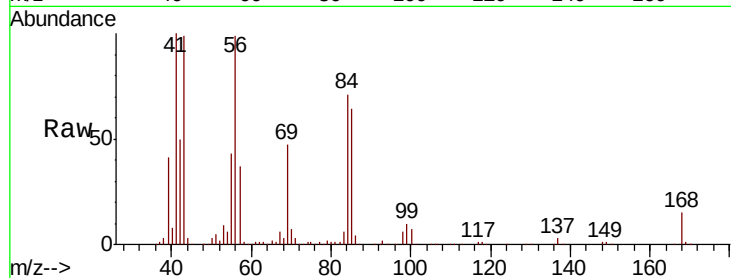
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 92711

Ion Ratio Lower Upper

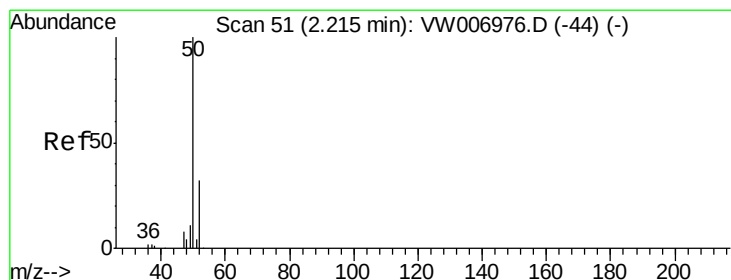
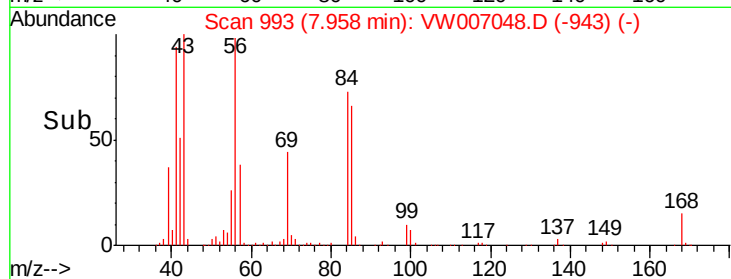
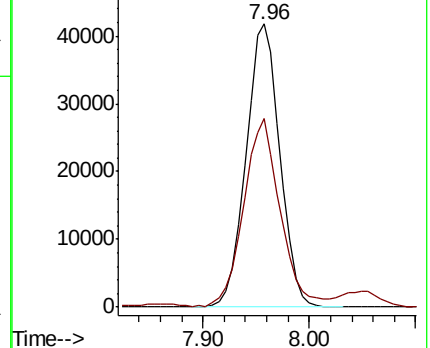
168 100

99 66.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 18.034 ug/l

RT: 2.17 min Scan# 44

Delta R.T. -0.04 min

Lab File: VW007048.D

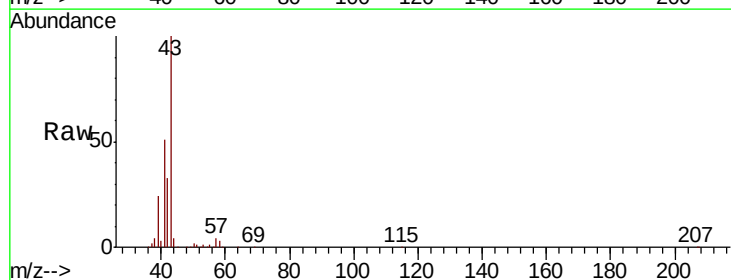
Acq: 26 Nov 2018 15:34

Tgt Ion: 50 Resp: 13757

Ion Ratio Lower Upper

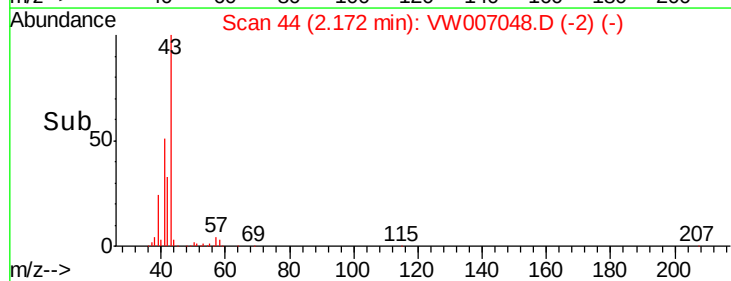
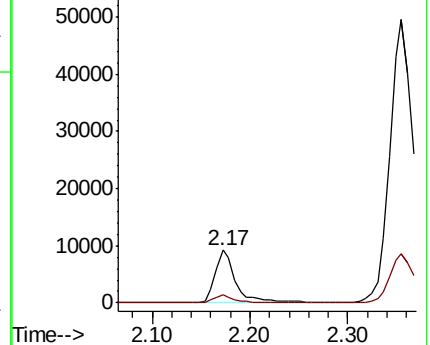
50 100

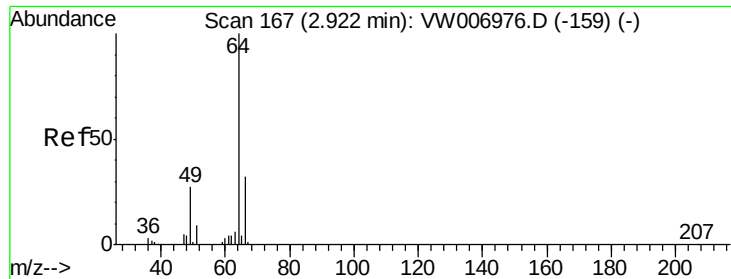
52 14.3 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#6

Chloroethane

Concen: 4.940 ug/l

RT: 3.03 min Scan# 185

Delta R.T. 0.11 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Instrument :

MSVOA_W

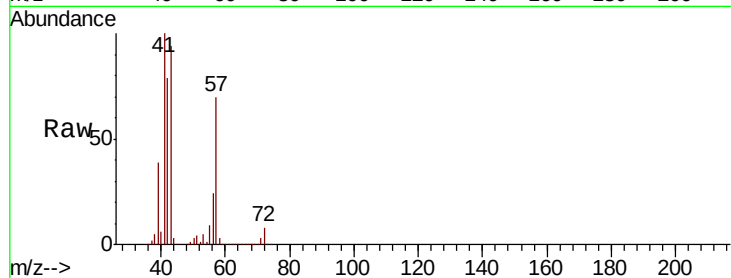
ClientSampleId :

Tot Ion: 64 Resp: 2044

Ion Ratio Lower Upper

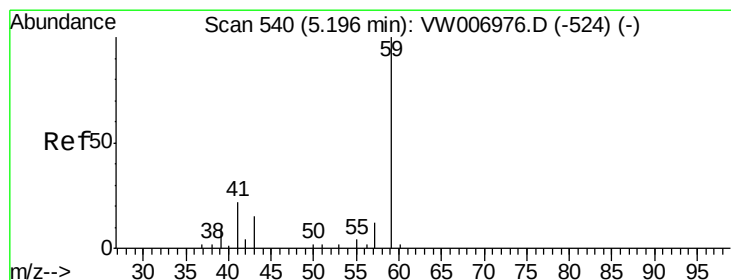
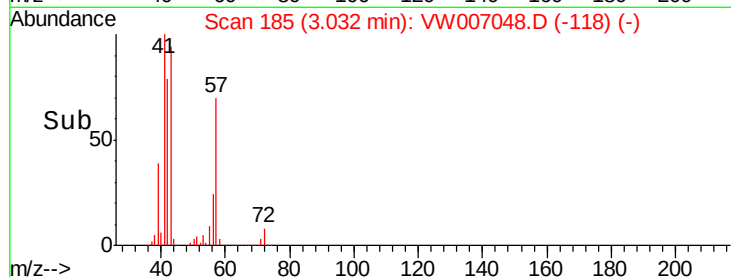
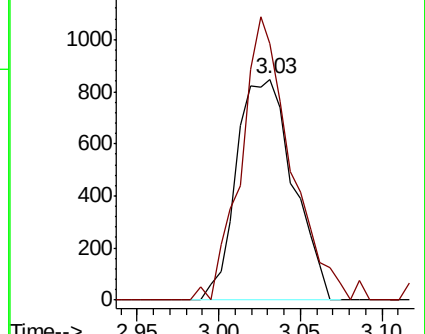
64 100

66 115.9 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



#11

Tert butyl alcohol

Concen: 4.942 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.02 min

Lab File: VW007048.D

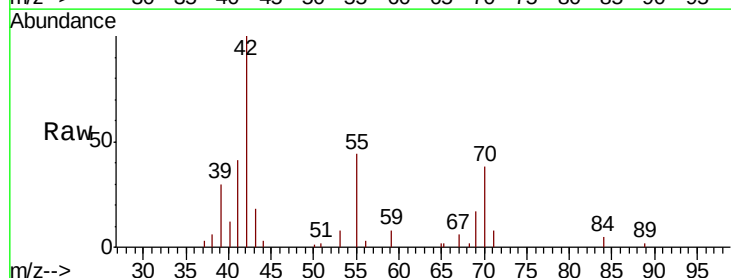
Acq: 26 Nov 2018 15:34

Tgt Ion: 59 Resp: 292

Ion Ratio Lower Upper

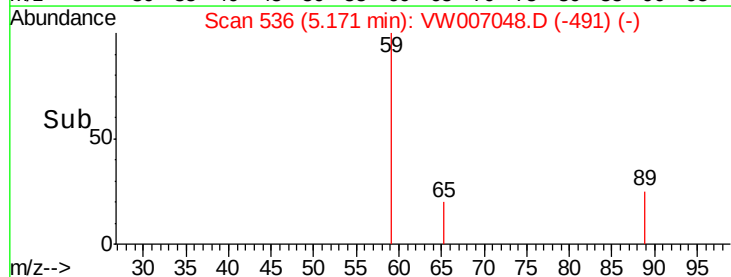
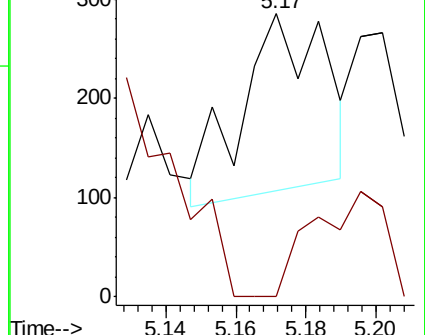
59 100

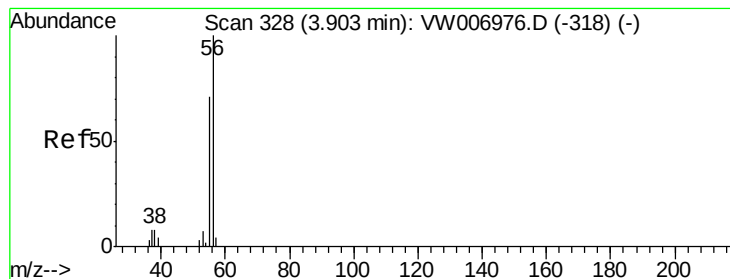
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 2709.683 ug/l

RT: 3.85 min Scan# 320

Delta R.T. -0.05 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Instrument :

MSVOA_W

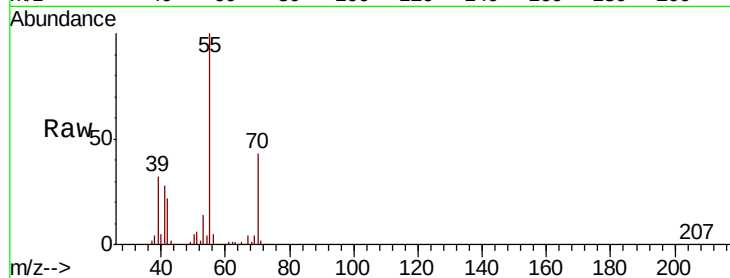
ClientSampled :

Tot Ion: 56 Resp: 164426

Ion Ratio Lower Upper

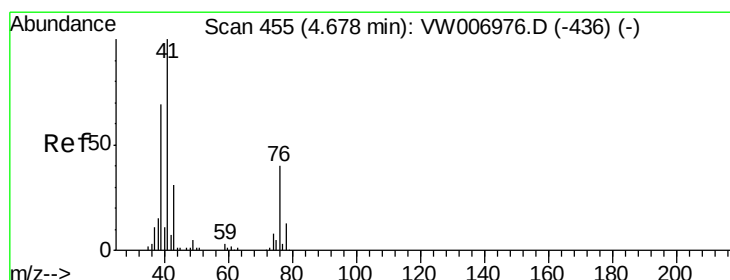
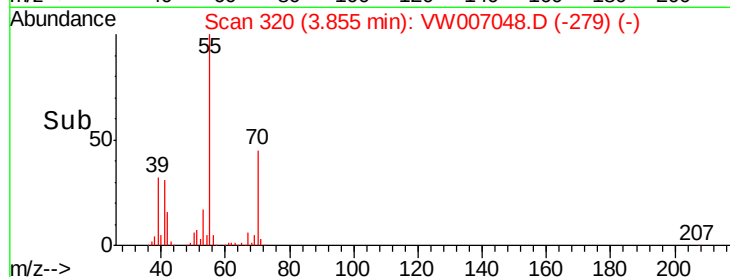
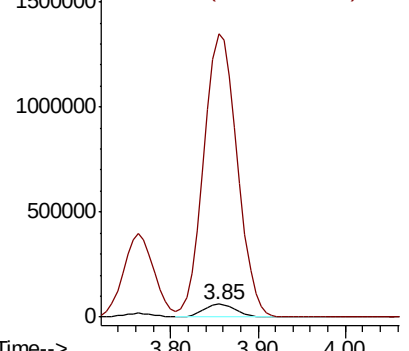
56 100

55 2188.9 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: 235.358 ug/l

RT: 4.78 min Scan# 472

Delta R.T. 0.10 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

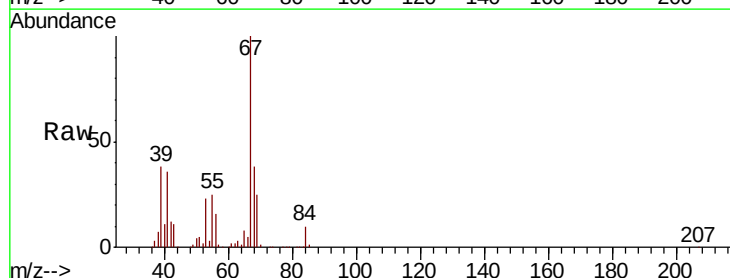
Tgt Ion: 41 Resp: 327587

Ion Ratio Lower Upper

41 100

39 98.4 55.4 83.2#

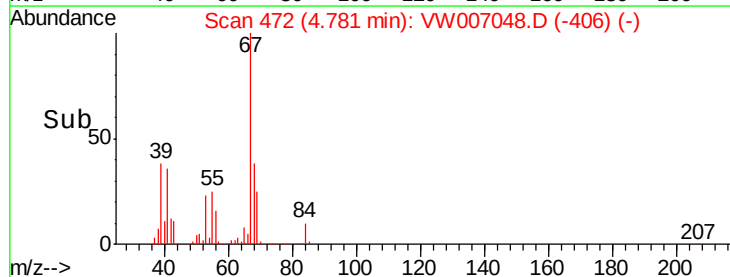
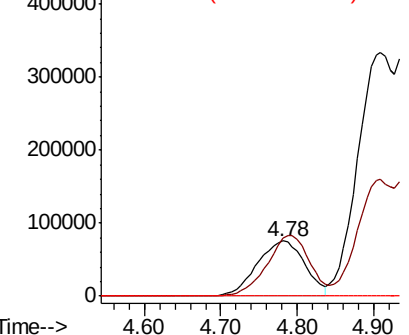
76 0.0 29.6 44.4#

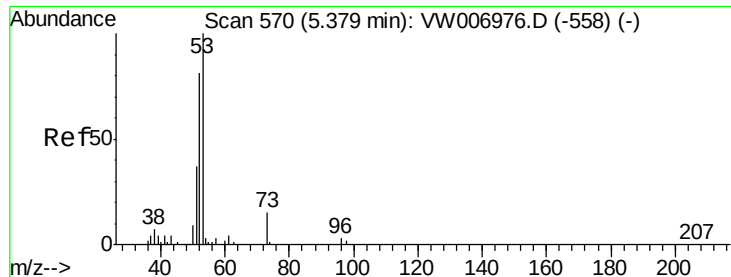


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 673.114 ug/l

RT: 5.45 min Scan# 581

Delta R.T. 0.07 min

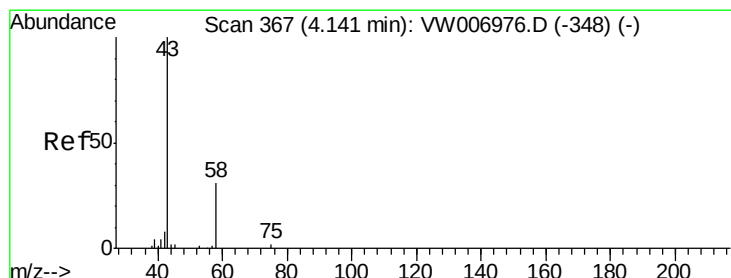
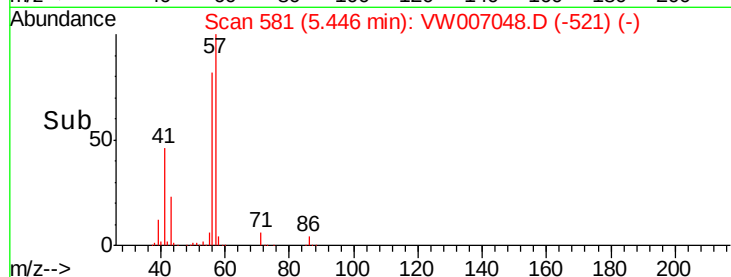
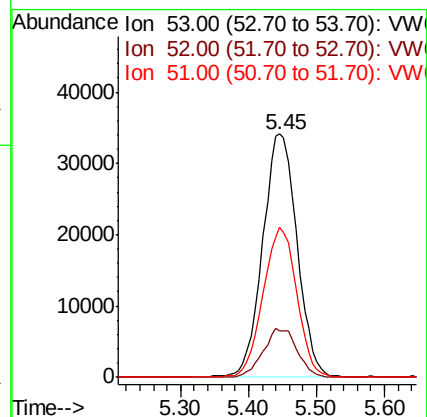
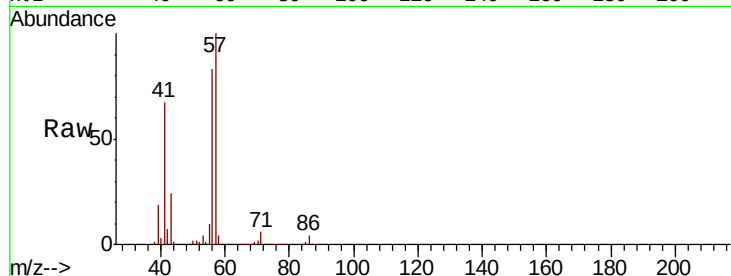
Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 53 Resp: 120310

Ion	Ratio	Lower	Upper
53	100		
52	19.7	65.7	98.5#
51	60.7	29.9	44.9#



#16

Acetone

Concen: 1395.511 ug/l

RT: 4.11 min Scan# 362

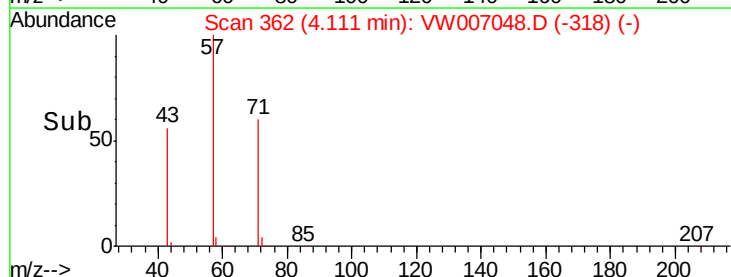
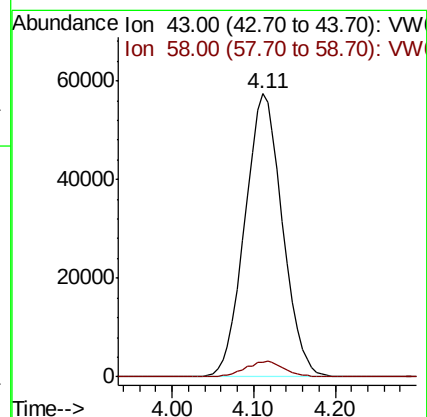
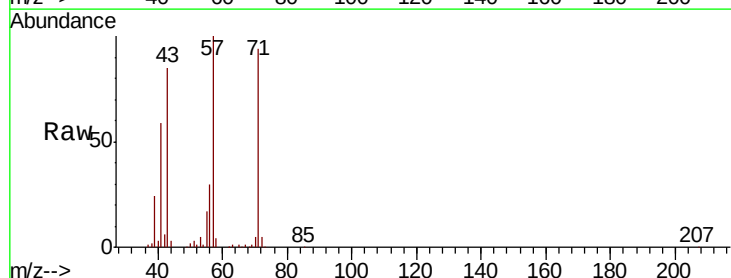
Delta R.T. -0.03 min

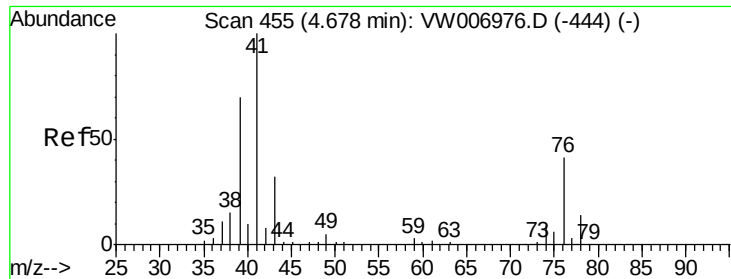
Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Tgt Ion: 43 Resp: 183903

Ion	Ratio	Lower	Upper
43	100		
58	5.2	24.8	37.2#

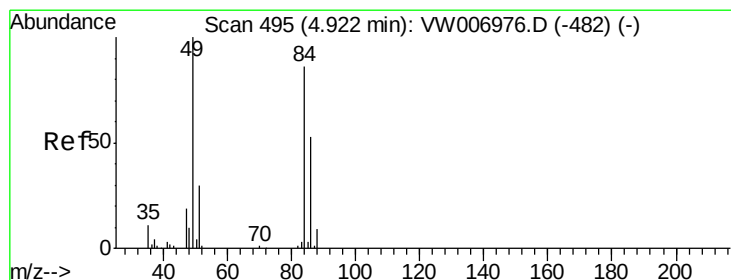
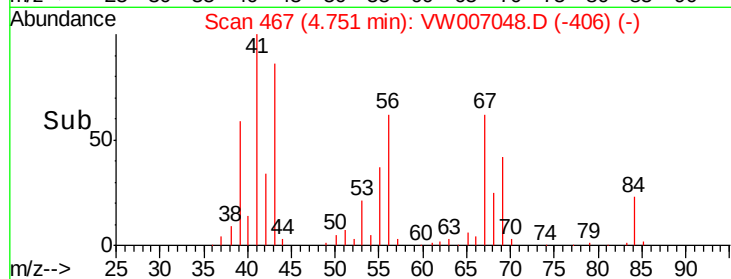
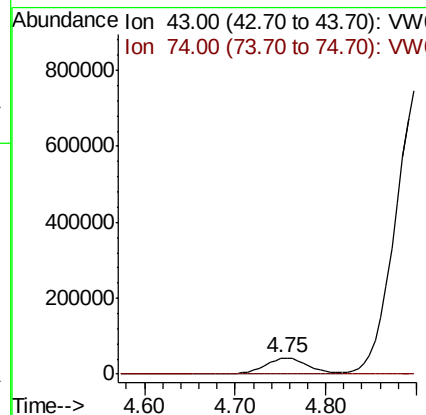
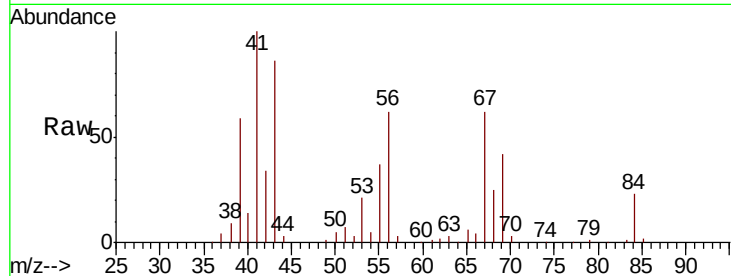




#18
Methvl Acetate
Concen: 304.640 ug/l
RT: 4.75 min Scan# 467
Delta R.T. 0.07 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

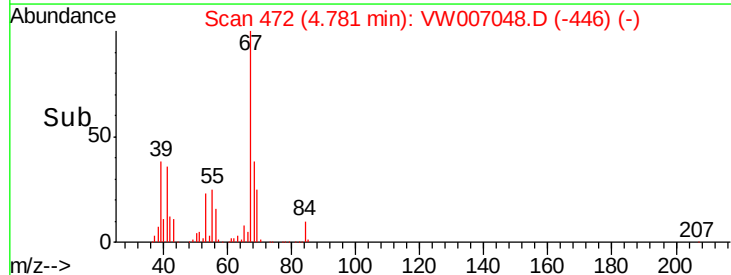
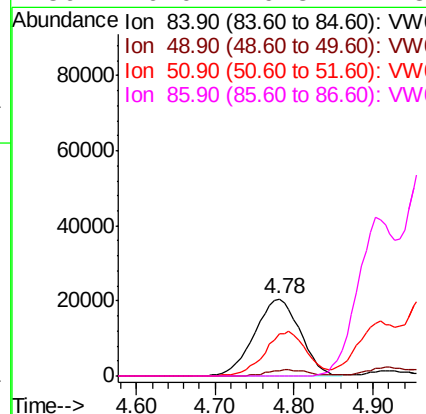
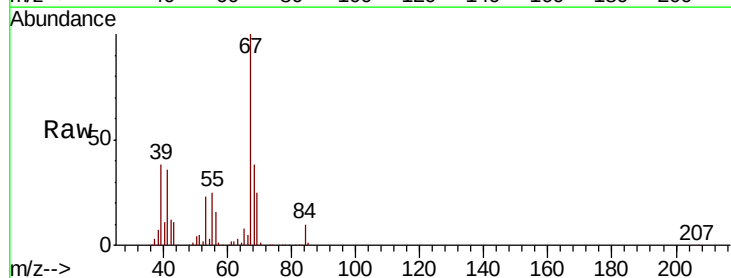
Instrument :
MSVOA_W
ClientSampleId :

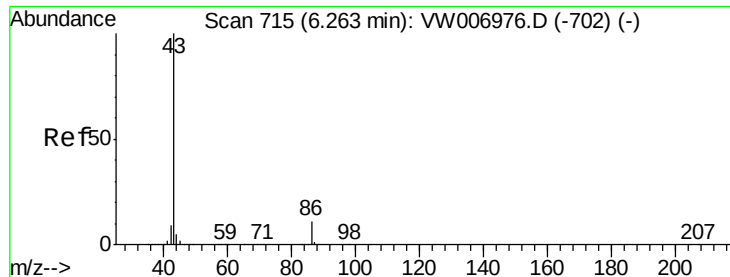
Tot Ion: 43 Resp: 142966
Ion Ratio Lower Upper
43 100
74 0.2 20.1 30.1#



#20
Methylene Chloride
Concen: 81.701 ug/l
RT: 4.78 min Scan# 472
Delta R.T. -0.14 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

Tgt Ion: 84 Resp: 82207
Ion Ratio Lower Upper
84 100
49 7.1 93.4 140.0#
51 54.0 28.4 42.6#
86 0.0 49.8 74.8#





#23

Vinyl Acetate

Concen: 72.029 ug/l

RT: 6.24 min Scan# 711

Delta R.T. -0.02 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Instrument :

MSVOA_W

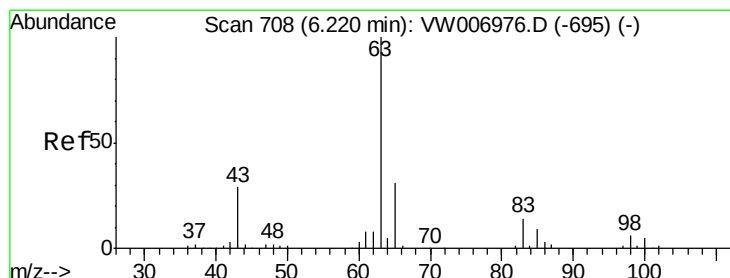
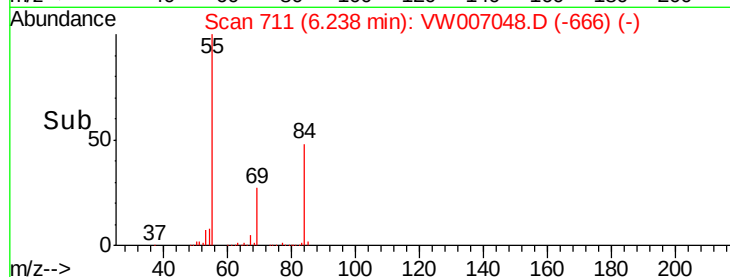
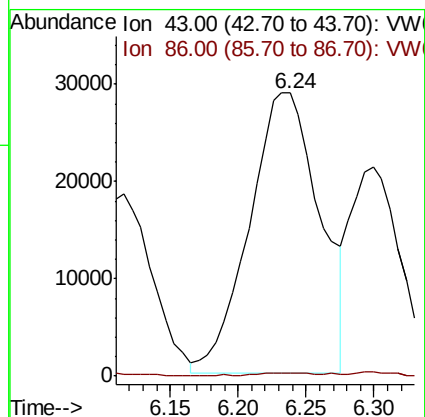
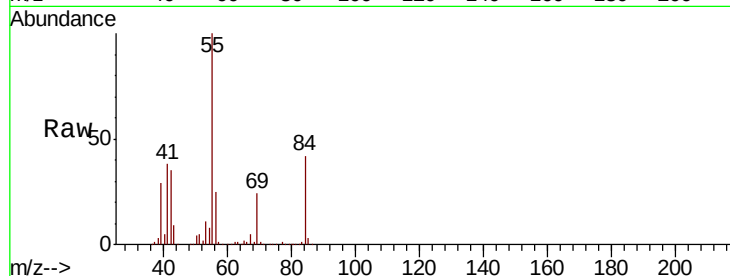
ClientSampled :

Tot Ion: 43 Resp: 103623

Ion Ratio Lower Upper

43 100

86 1.0 8.7 13.1#



#24

1,1-Dichloroethane

Concen: 6.823 ug/l

RT: 6.23 min Scan# 710

Delta R.T. 0.01 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

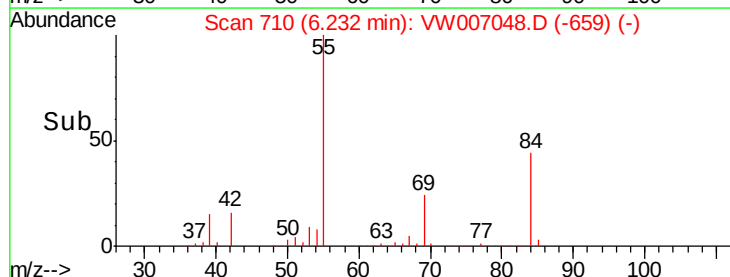
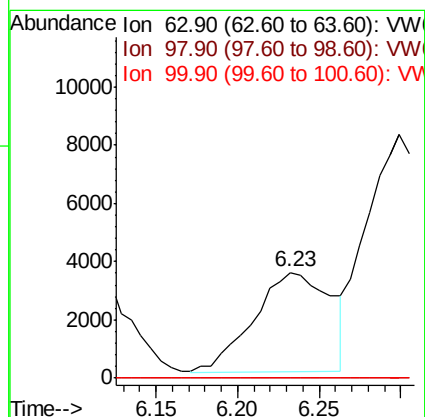
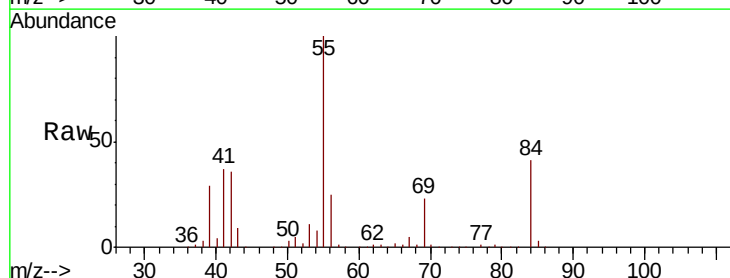
Tgt Ion: 63 Resp: 11245

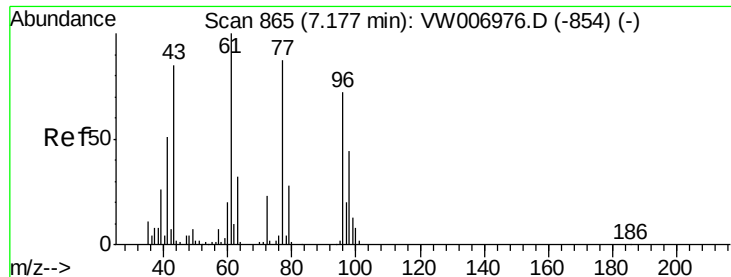
Ion Ratio Lower Upper

63 100

98 0.0 3.1 9.4#

100 0.0 2.3 6.9#





#25

2-Butanone

Concen: 264.897 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Instrument :

MSVOA_W

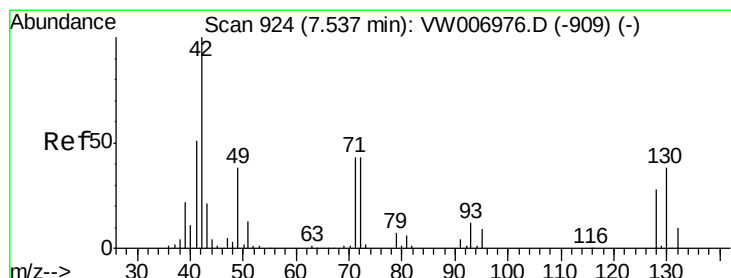
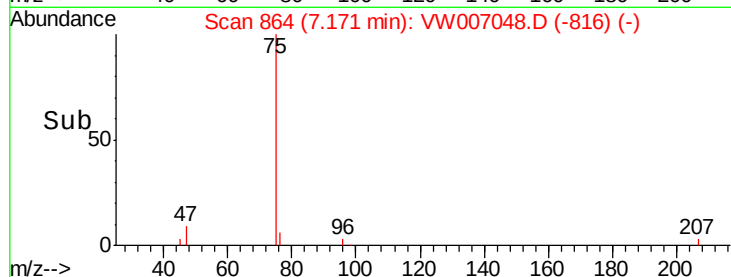
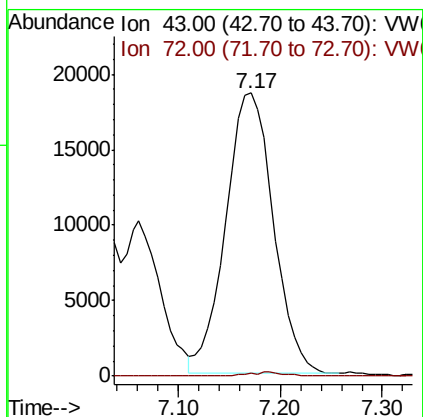
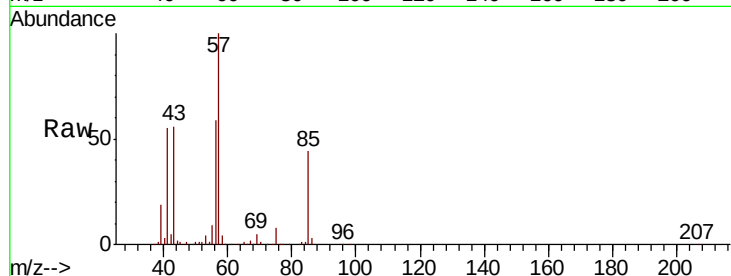
ClientSampleId :

Tot Ion: 43 Resp: 59789

Ion Ratio Lower Upper

43 100

72 0.9 21.3 31.9#



#29

Tetrahydrofuran

Concen: 32.754 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.00 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

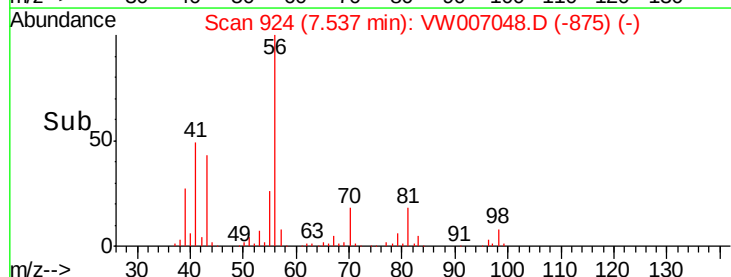
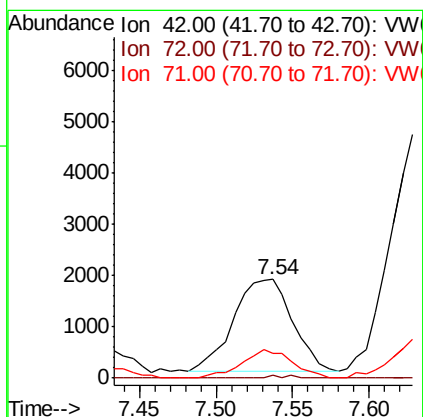
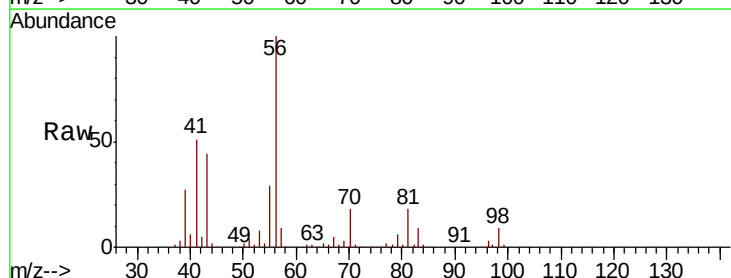
Tgt Ion: 42 Resp: 4788

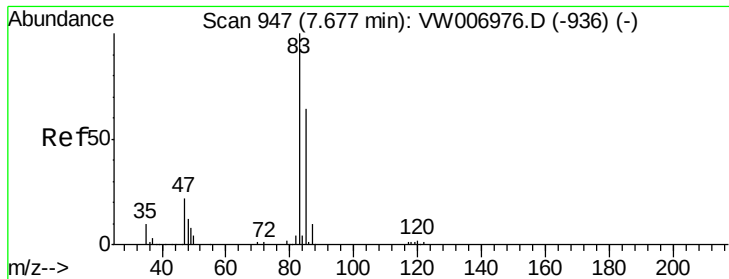
Ion Ratio Lower Upper

42 100

72 0.0 36.2 54.4#

71 0.0 33.8 50.8#

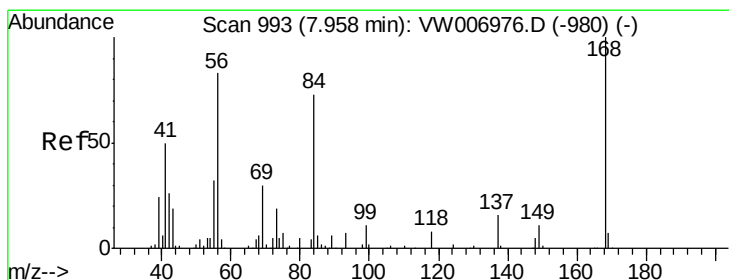
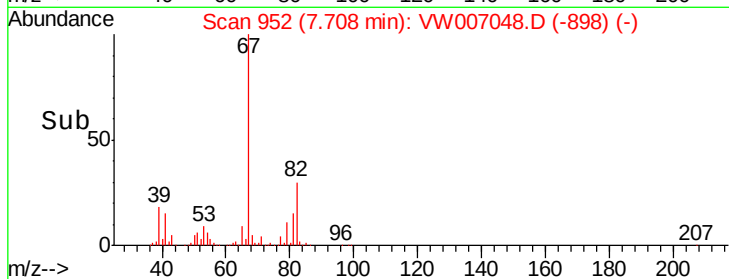
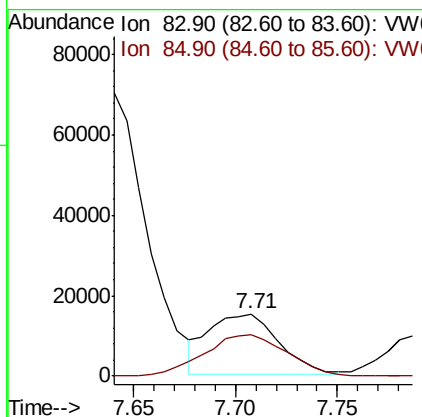
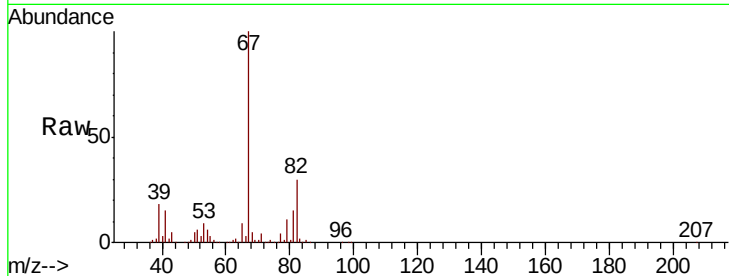




#30
Chloroform
Concen: 20.372 ug/l
RT: 7.71 min Scan# 952
Delta R.T. 0.03 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

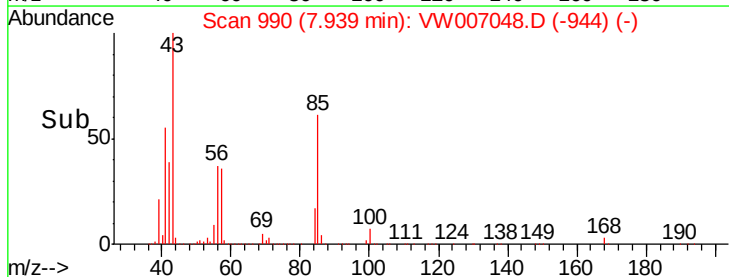
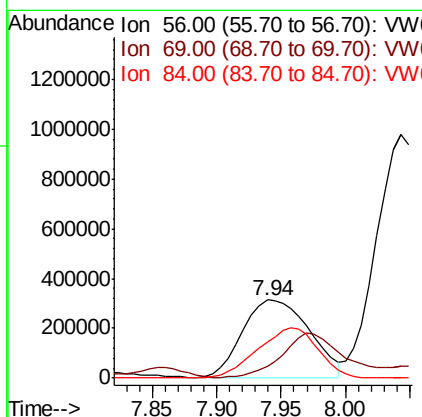
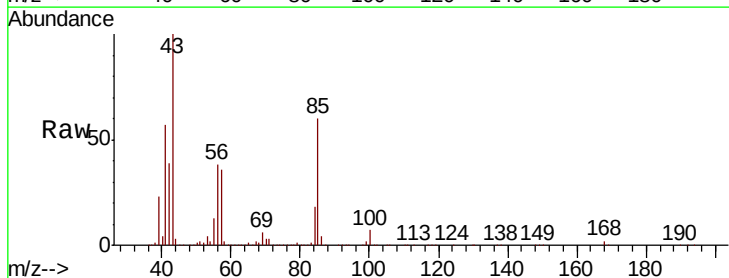
Instrument :
MSVOA_W
ClientSampled :

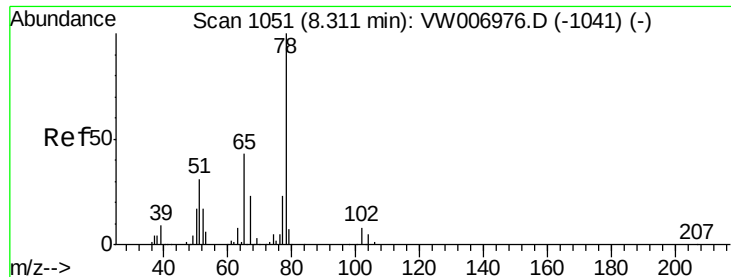
Tot Ion: 83 Resp: 35669
Ion Ratio Lower Upper
83 100
85 69.0 50.9 76.3



#31
Cyclohexane
Concen: 636.660 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

Tgt Ion: 56 Resp: 1112933
Ion Ratio Lower Upper
56 100
69 8.2 29.1 43.7#
84 47.1 70.6 105.8#

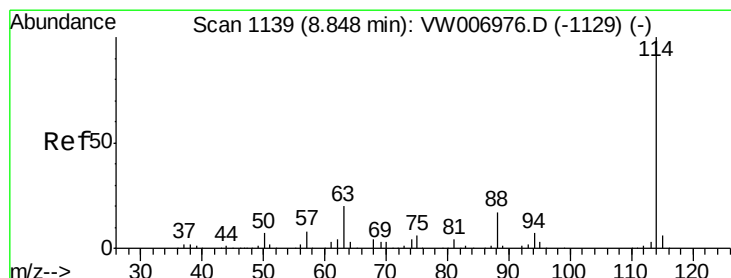
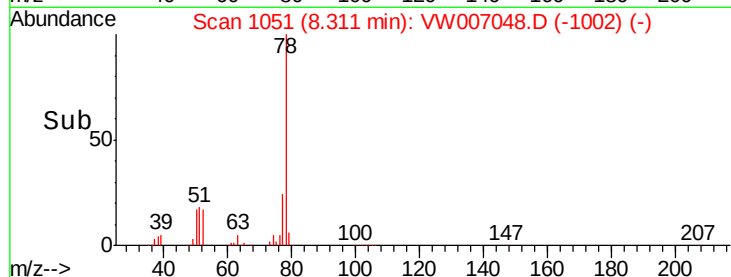
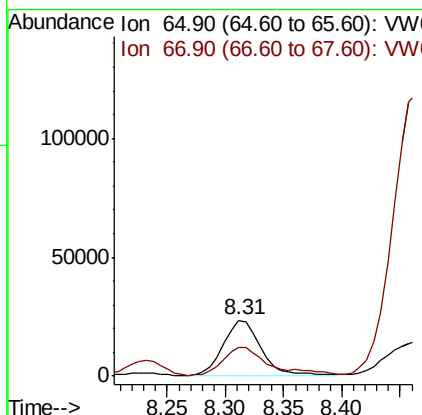
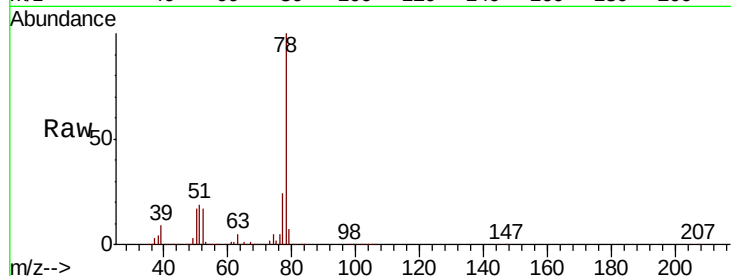




#33
 1,2-Dichloroethane-d4
 Concen: 57.482 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW007048.D
 Acq: 26 Nov 2018 15:34

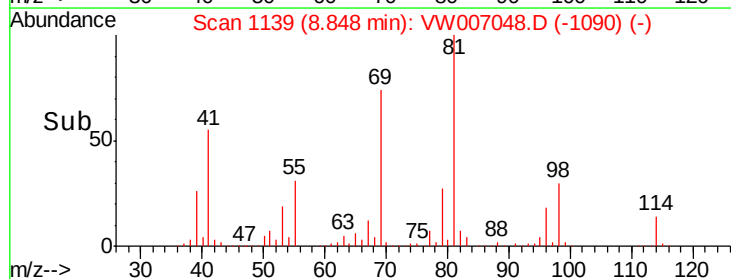
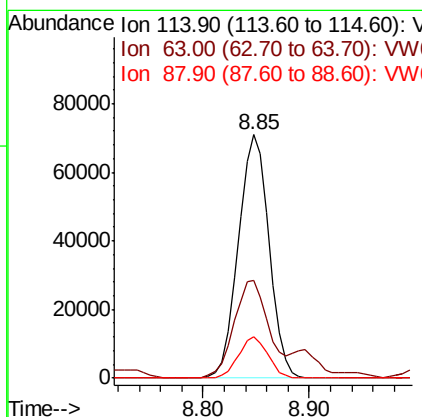
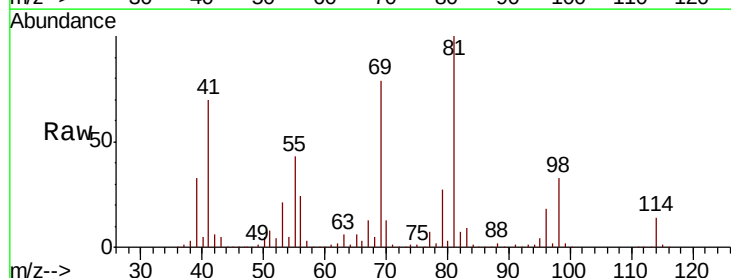
Instrument :
 MSVOA_W
 ClientSampled :

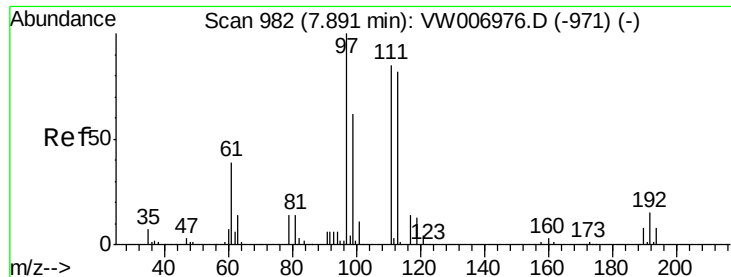
Tot Ion: 65 Resp: 52174
 Ion Ratio Lower Upper
 65 100
 67 61.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007048.D
 Acq: 26 Nov 2018 15:34

Tgt Ion: 114 Resp: 143519
 Ion Ratio Lower Upper
 114 100
 63 40.1 0.0 39.4#
 88 16.8 0.0 34.2

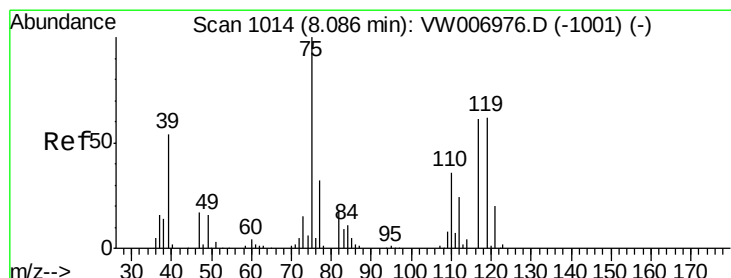
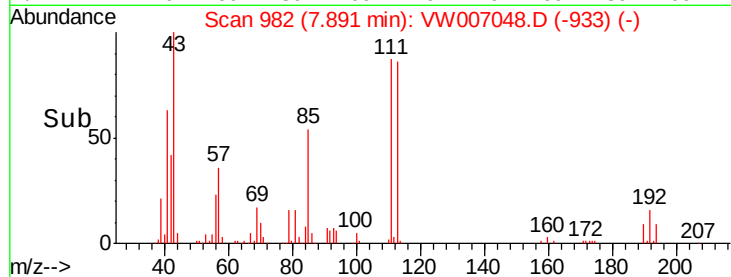
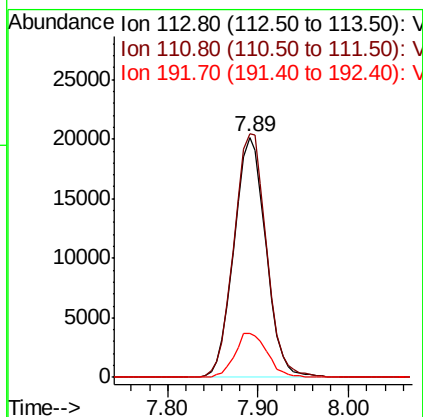
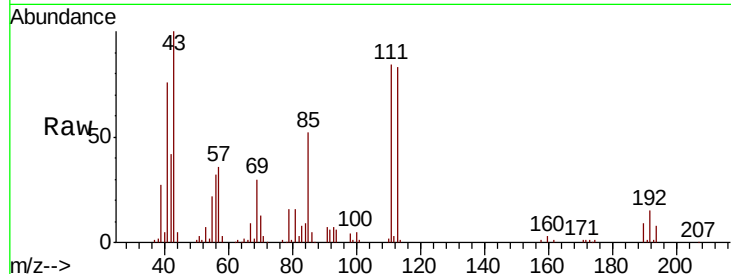




#35
 Dibromofluoromethane
 Concen: 60.772 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW007048.D
 Acq: 26 Nov 2018 15:34

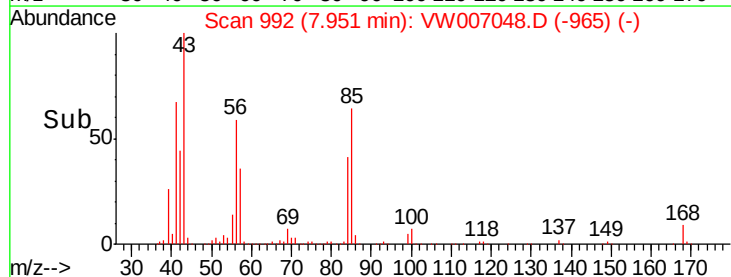
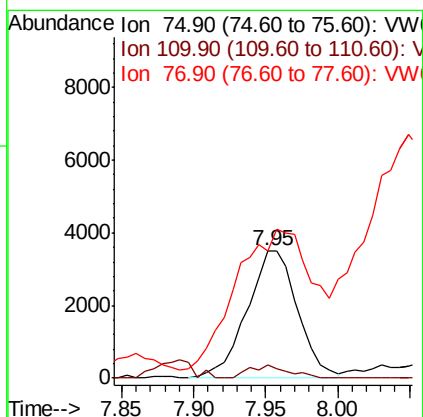
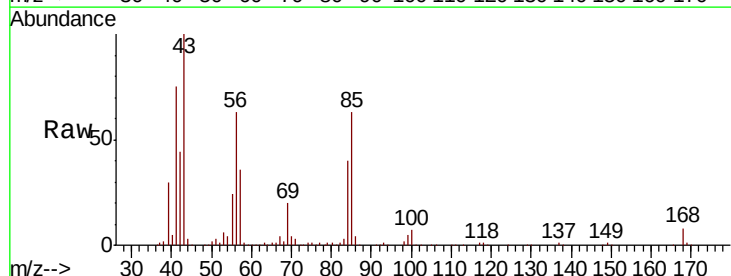
Instrument :
 MSVOA_W
 ClientSampled :

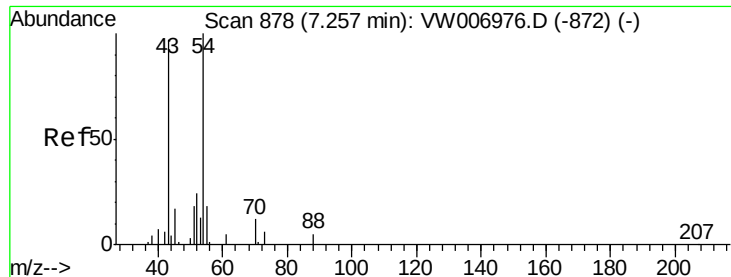
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.0	121.6
192	18.6	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 6.099 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007048.D
 Acq: 26 Nov 2018 15:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	18.0	54.0#
77	0.0	24.9	37.3#

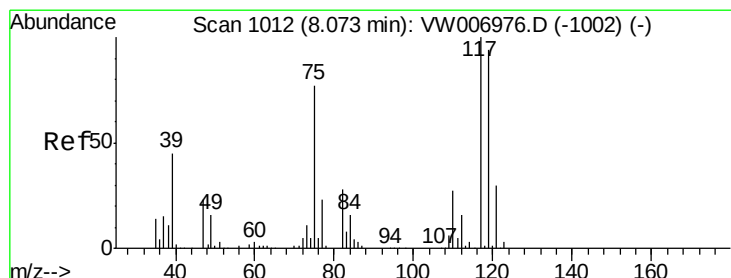
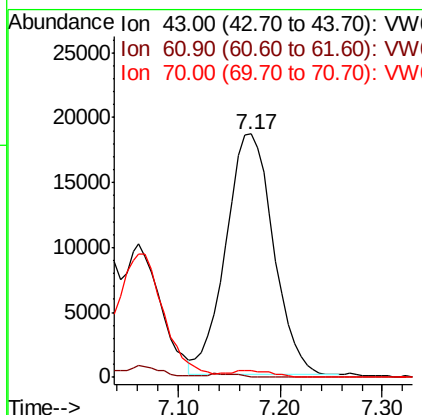
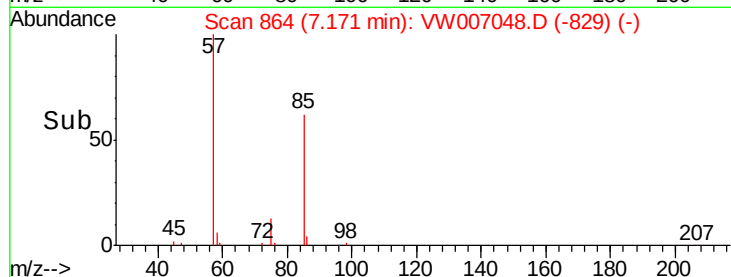
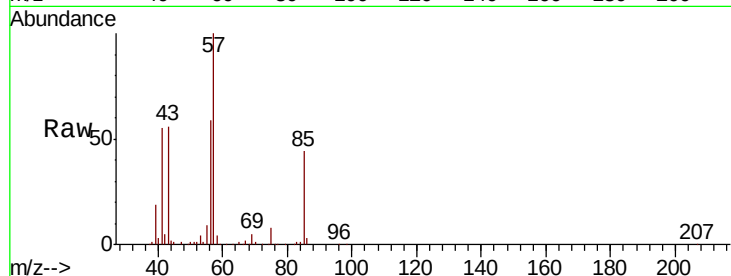




#37
Ethyl Acetate
Concen: 117.644 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.09 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

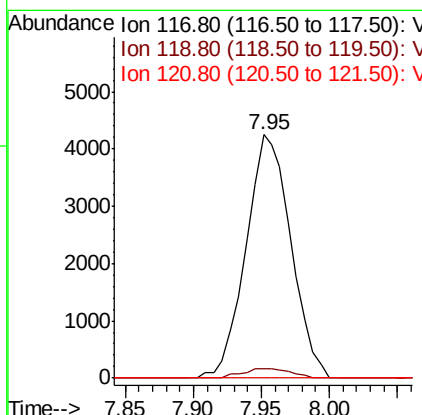
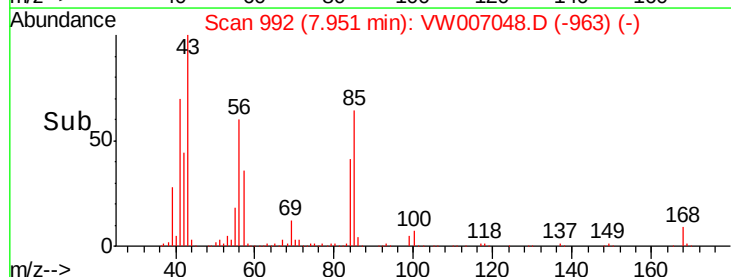
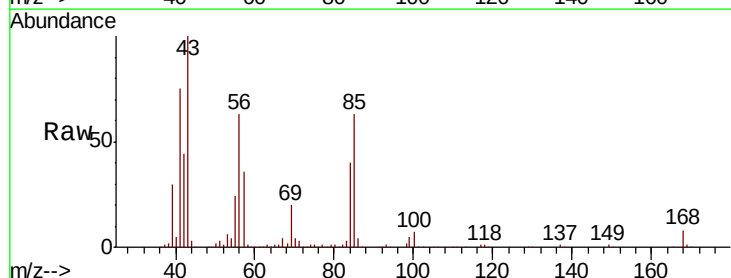
Instrument :
MSVOA_W
ClientSampleId :

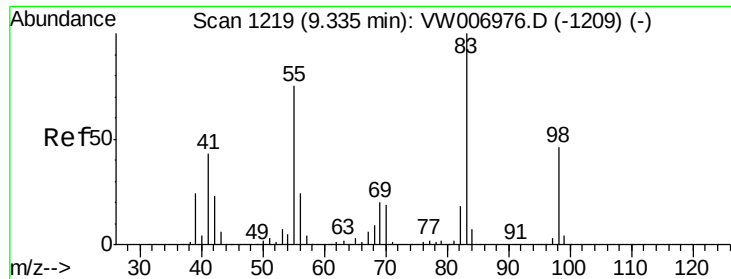
Tot Ion: 43 Resp: 59789
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 2.6 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 7.301 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

Tgt Ion: 117 Resp: 9805
Ion Ratio Lower Upper
117 100
119 3.9 74.9 112.3#
121 0.0 23.6 35.4#

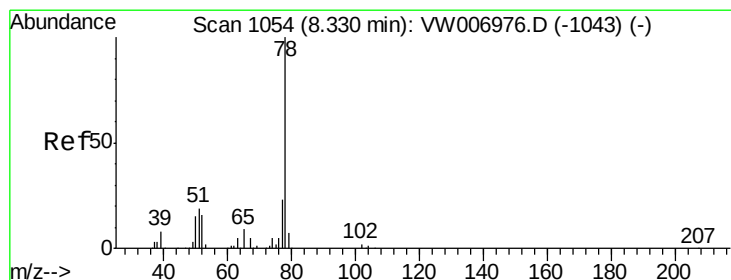
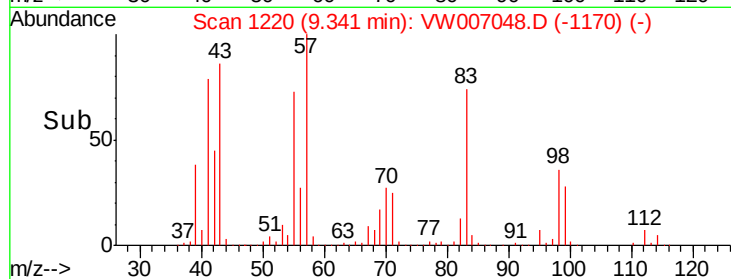
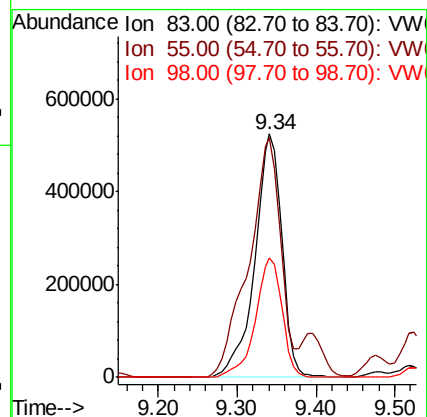
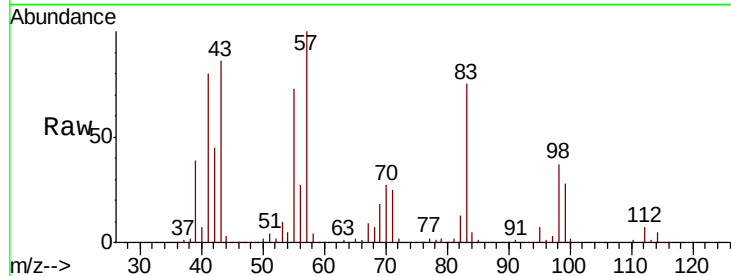




#39
Methylvlcyclohexane
Concen: 713.603 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

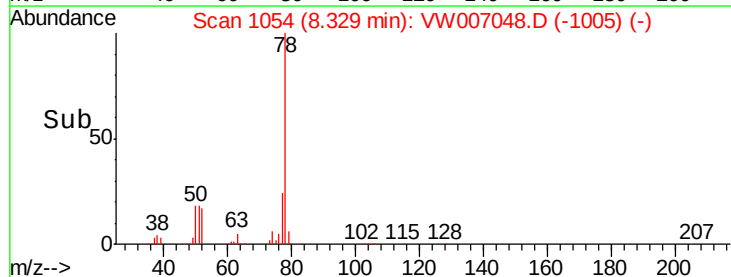
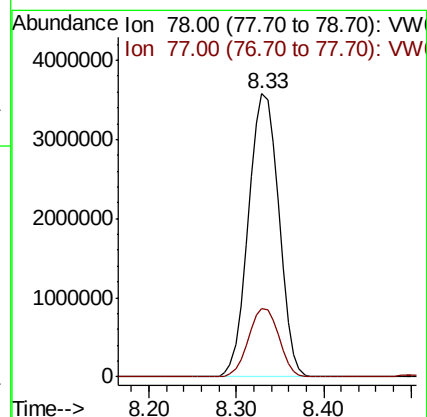
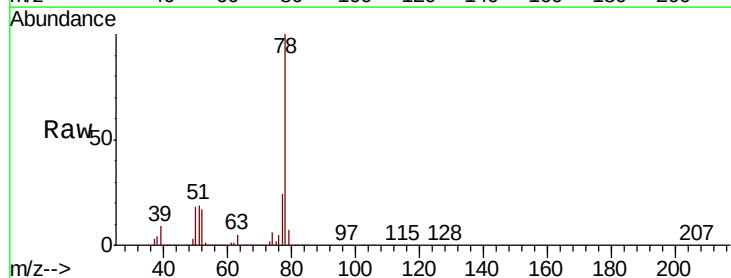
Instrument :
MSVOA_W
ClientSampleId :

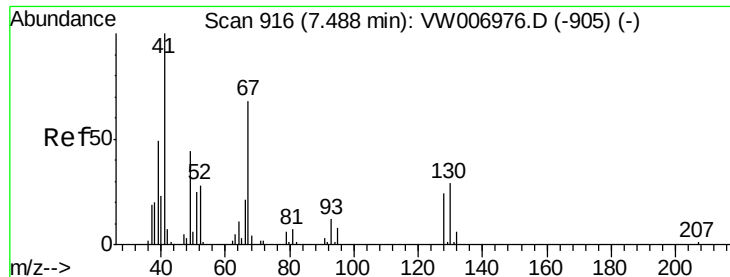
Tot Ion: 83 Resp: 1252430
Ion Ratio Lower Upper
83 100
55 98.4 59.6 89.4#
98 49.2 37.1 55.7



#40
Benzene
Concen: 2289.555 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

Tgt Ion: 78 Resp: 8667736
Ion Ratio Lower Upper
78 100
77 24.3 18.6 28.0

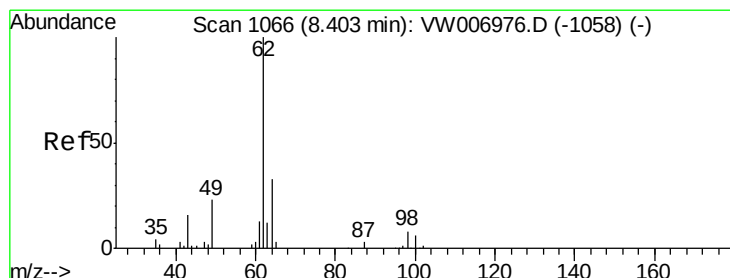
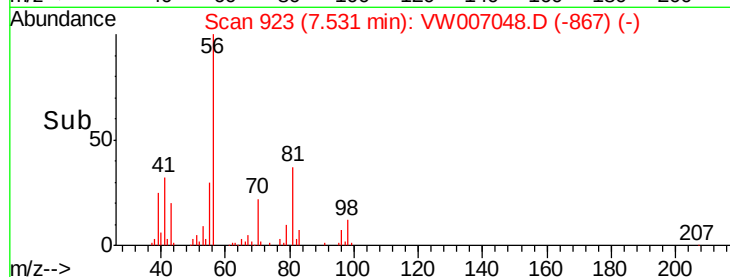
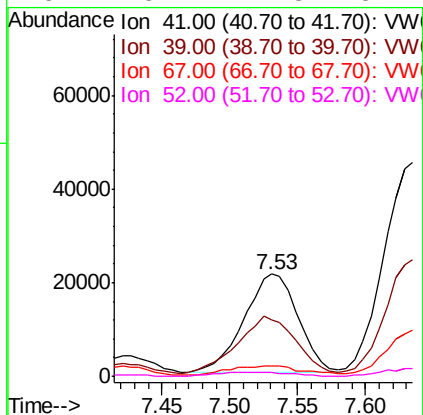
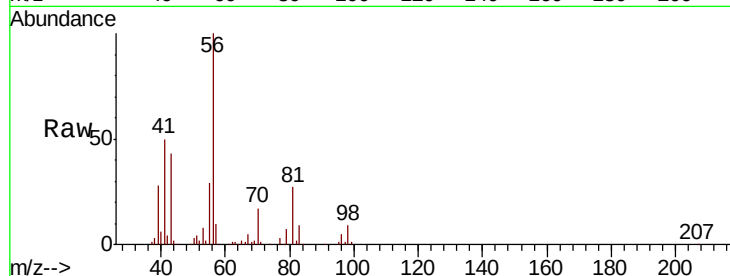




#41
Methacrylonitrile
Concen: 184.863 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.04 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

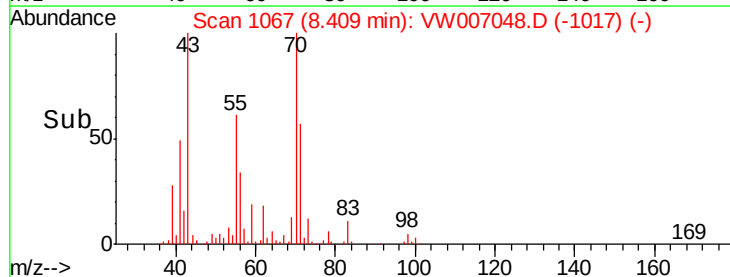
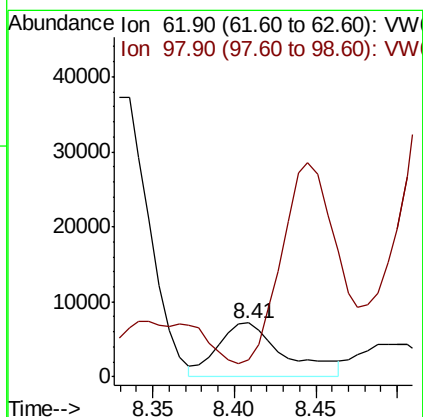
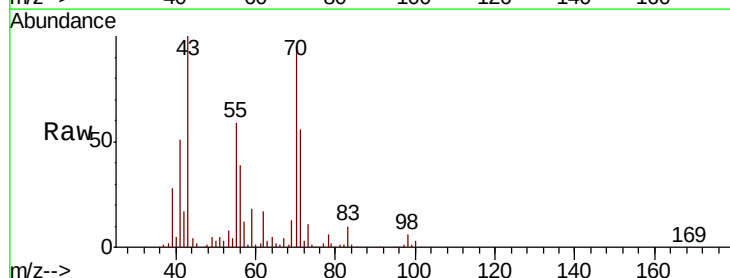
Instrument :
MSVOA_W
ClientSampleId :

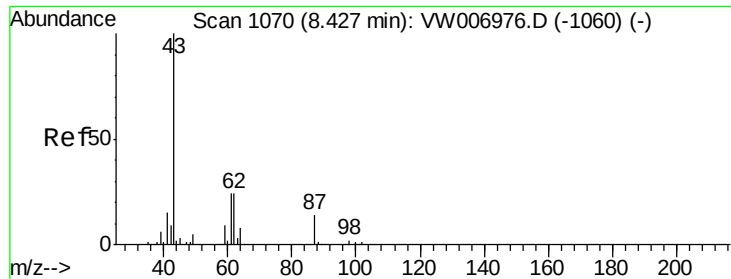
Tot Ion:	41	Resp:	58346
Ion	Ratio	Lower	Upper
41	100		
39	61.8	48.6	73.0
67	0.0	59.8	89.8#
52	5.4	24.8	37.2#



#42
1,2-Dichloroethane
Concen: 18.548 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

Tgt Ion:	62	Resp:	20387
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	18.6





#43

Isopropyl Acetate

Concen: 226.385 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Instrument :

MSVOA_W

ClientSampleId :

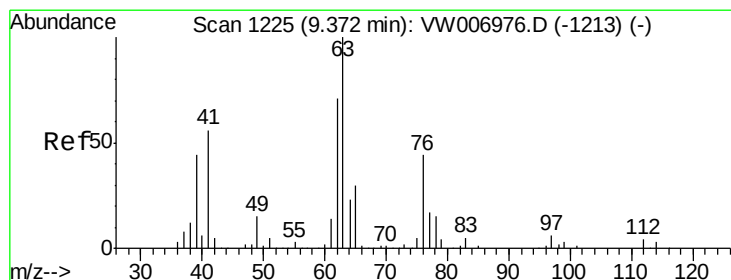
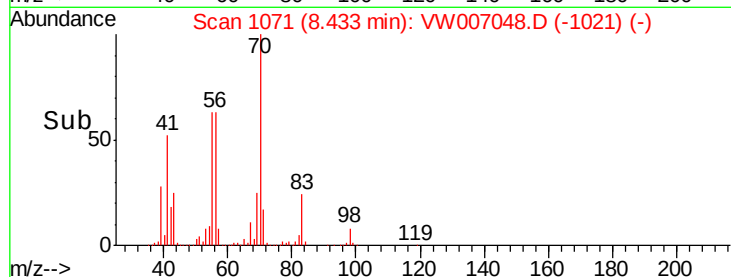
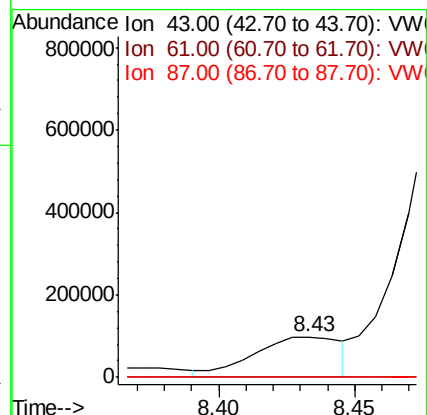
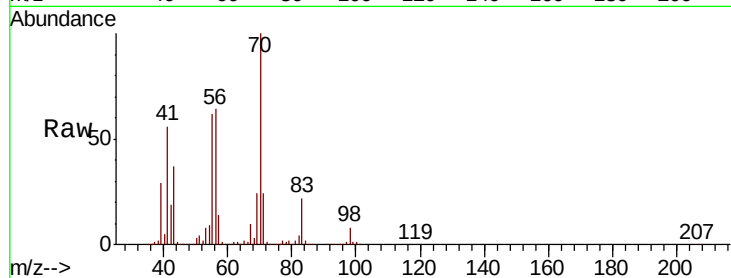
Tot Ion: 43 Resp: 219253

Ion Ratio Lower Upper

43 100

61 0.0 26.1 39.1#

87 0.0 11.2 16.8#



#45

1,2-Dichloropropane

Concen: 29.657 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. -0.03 min

Lab File: VW007048.D

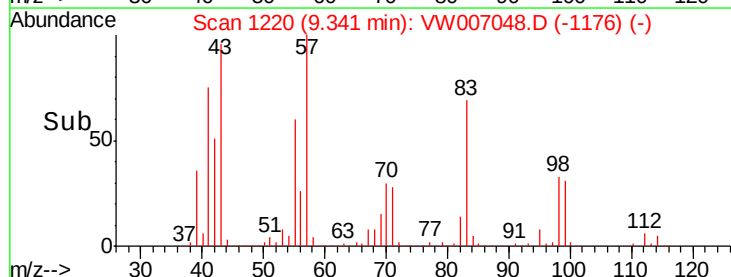
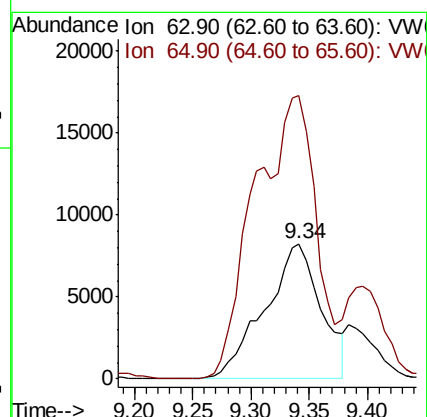
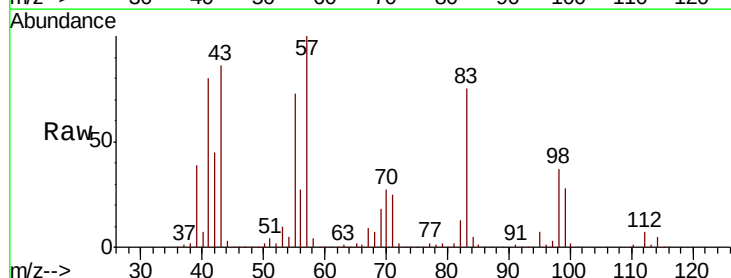
Acq: 26 Nov 2018 15:34

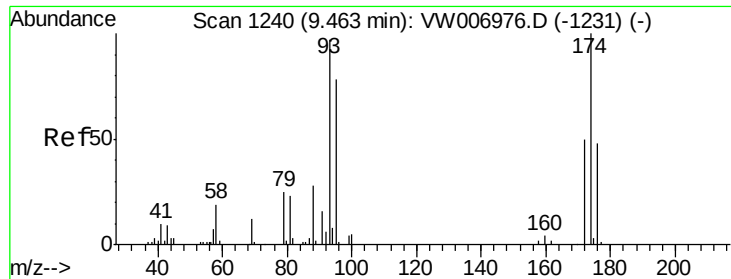
Tgt Ion: 63 Resp: 27677

Ion Ratio Lower Upper

63 100

65 209.0 24.4 36.6#

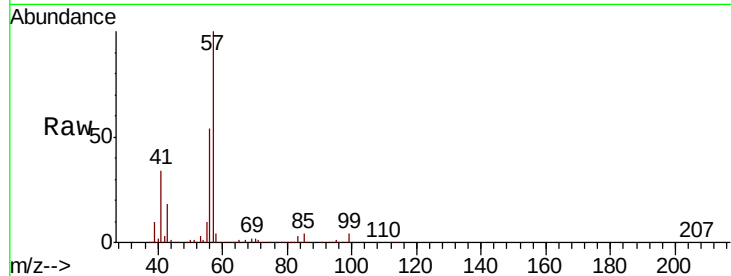




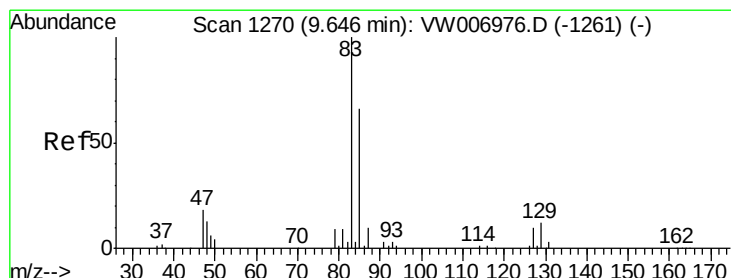
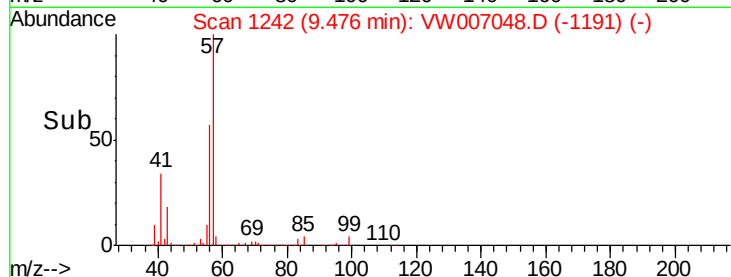
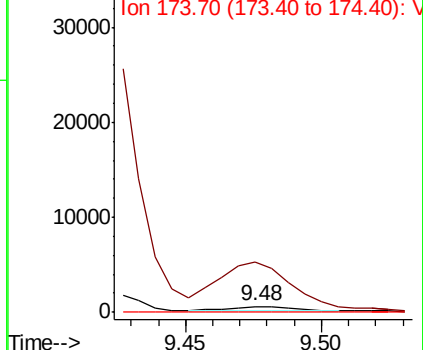
#46
 Dibromomethane
 Concen: 1.673 ug/l
 RT: 9.48 min Scan# 1242
 Delta R.T. 0.01 min
 Lab File: VW007048.D
 Acq: 26 Nov 2018 15:34

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 93 Resp: 782
 Ion Ratio Lower Upper
 93 100
 95 1268.4 66.1 99.1#
 174 0.0 79.7 119.5#

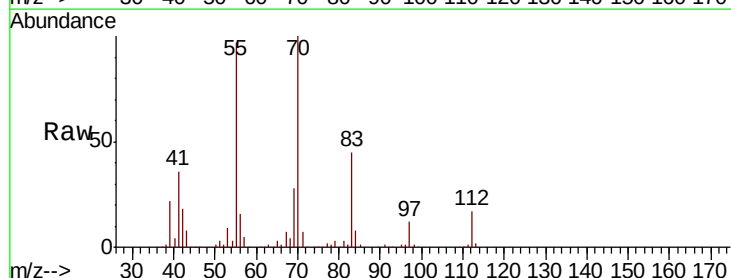


Abundance Ion 92.80 (92.50 to 93.50): VW
 Ion 94.80 (94.50 to 95.50): VW
 Ion 173.70 (173.40 to 174.40): V

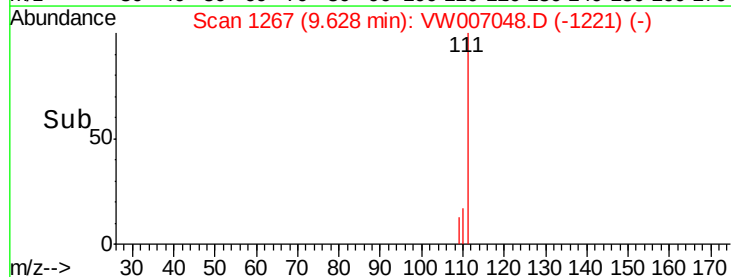
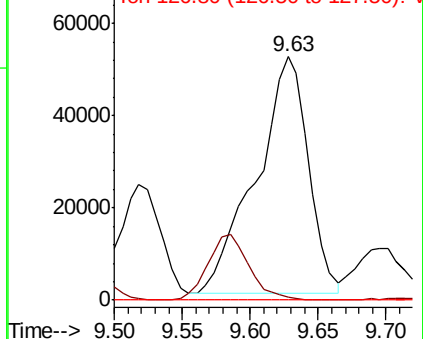


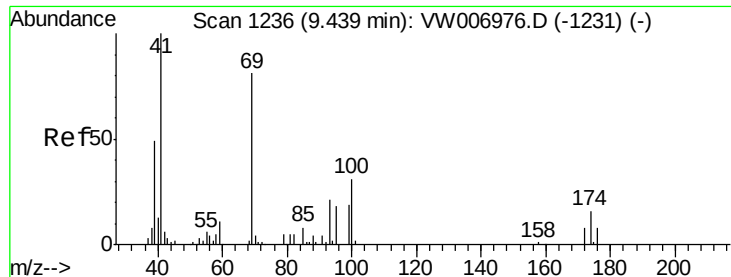
#47
 Bromodichloromethane
 Concen: 111.356 ug/l
 RT: 9.63 min Scan# 1267
 Delta R.T. -0.02 min
 Lab File: VW007048.D
 Acq: 26 Nov 2018 15:34

Tgt Ion: 83 Resp: 137113
 Ion Ratio Lower Upper
 83 100
 85 0.8 52.9 79.3#
 127 0.0 7.8 11.6#



Abundance Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 126.80 (126.50 to 127.50): V

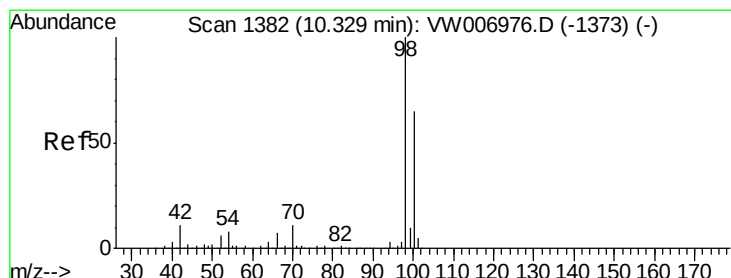
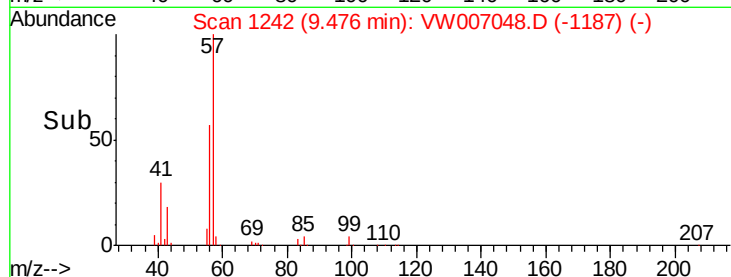
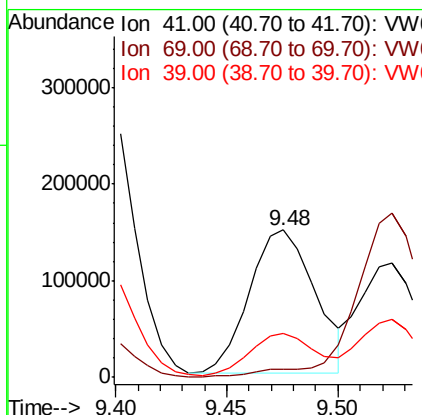
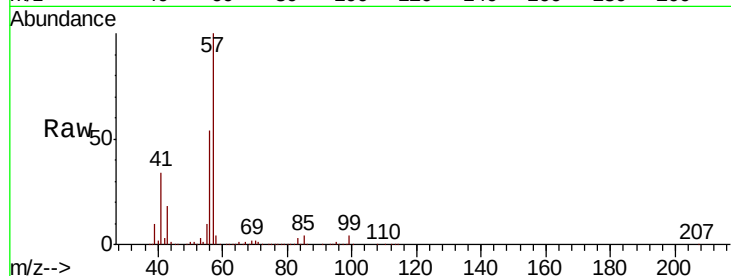




#48
Methvl methacrylate
Concen: 647.077 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.04 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

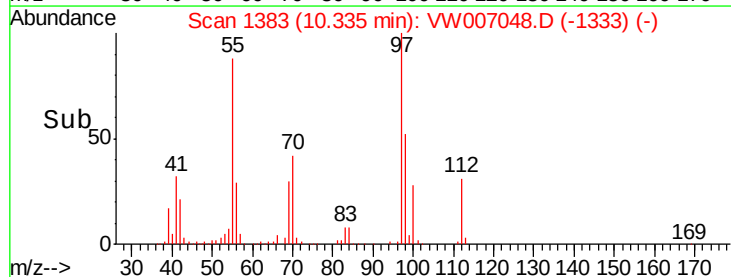
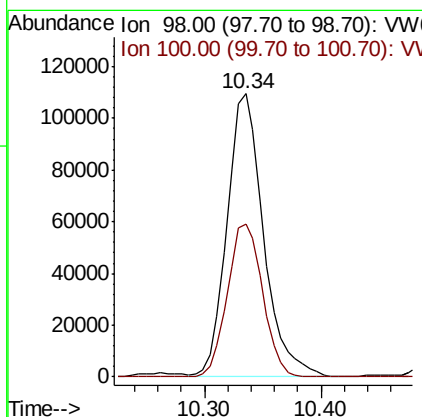
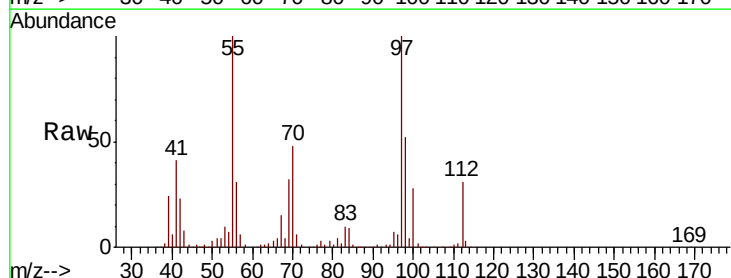
Instrument :
MSVOA_W
ClientSampleId :

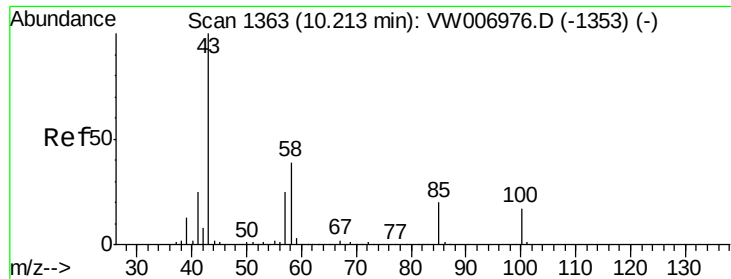
Tot Ion: 41 Resp: 302177
Ion Ratio Lower Upper
41 100
69 0.0 71.4 107.0#
39 30.0 44.8 67.2#



#50
Toluene-d8
Concen: 66.626 ug/l
RT: 10.34 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

Tgt Ion: 98 Resp: 238455
Ion Ratio Lower Upper
98 100
100 52.1 52.2 78.2#

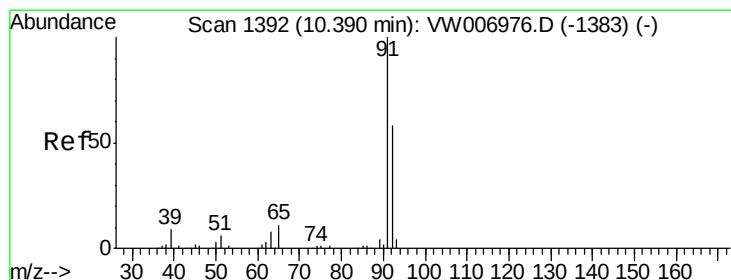
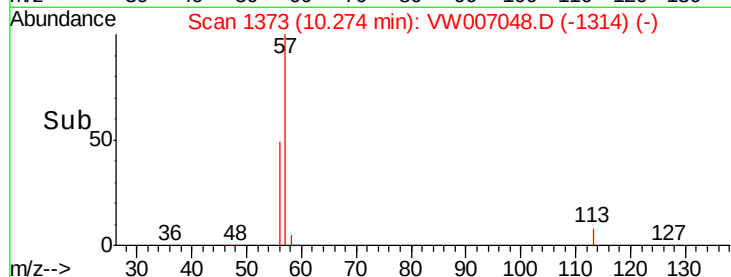
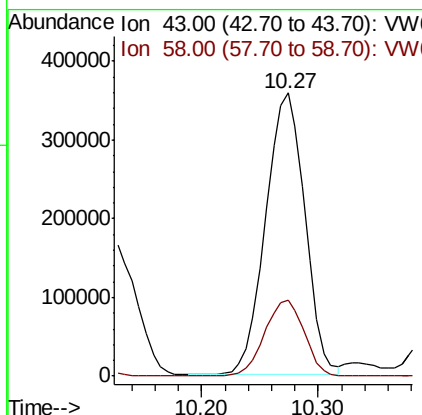
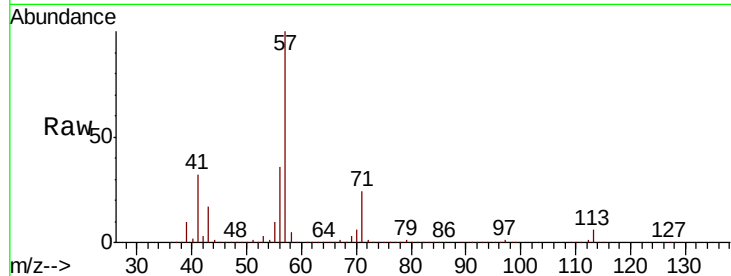




#51
 4-Methyl-2-Pentanone
 Concen: 1708.902 ug/l
 RT: 10.27 min Scan# 1373
 Delta R.T. 0.06 min
 Lab File: VW007048.D
 Acq: 26 Nov 2018 15:34

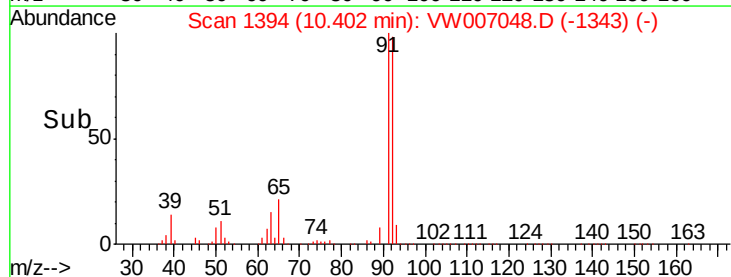
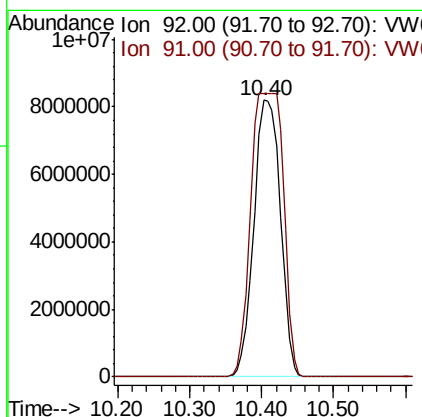
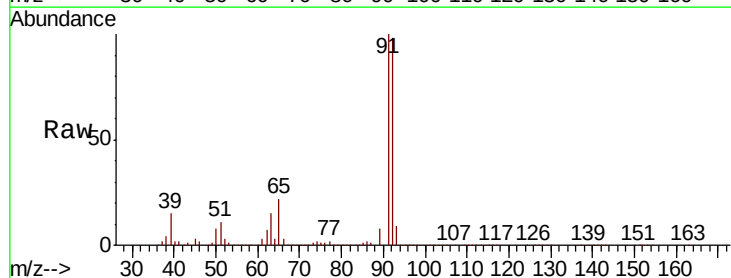
Instrument :
 MSVOA_W
 ClientSampled :

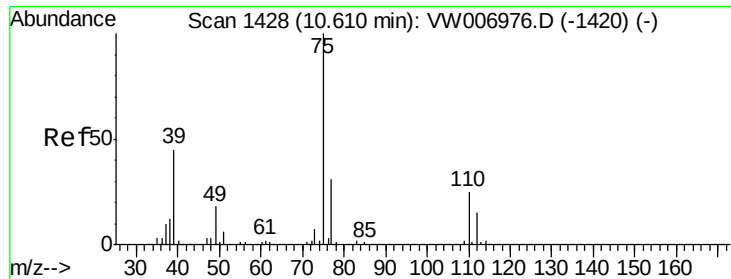
Tot Ion: 43 Resp: 836399
 Ion Ratio Lower Upper
 43 100
 58 26.8 31.8 47.6#



#52
 Toluene
 Concen: 8124.148 ug/l
 RT: 10.40 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VW007048.D
 Acq: 26 Nov 2018 15:34

Tgt Ion: 92 Resp: 20931023
 Ion Ratio Lower Upper
 92 100
 91 0.0 137.3 205.9#





#53

t-1,3-Dichloropropene

Concen: 241.455 ug/l

RT: 10.40 min Scan# 1394

Delta R.T. -0.21 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Instrument :

MSVOA_W

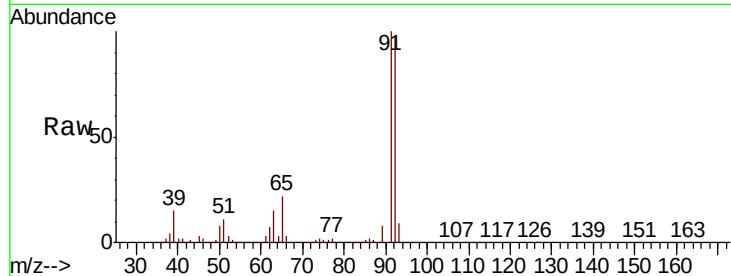
ClientSampleId :

Tot Ion: 75 Resp: 288004

Ion Ratio Lower Upper

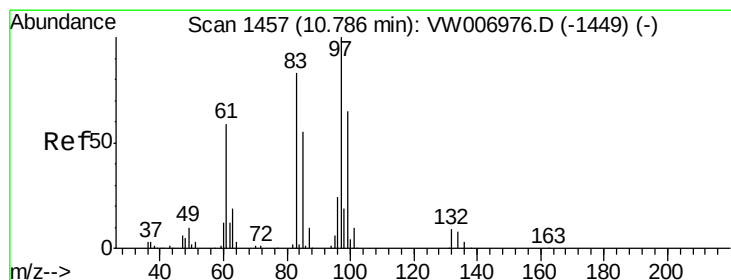
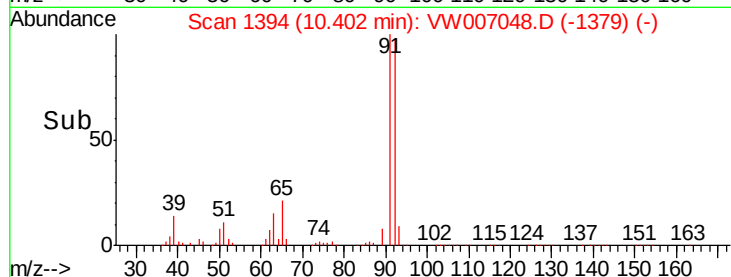
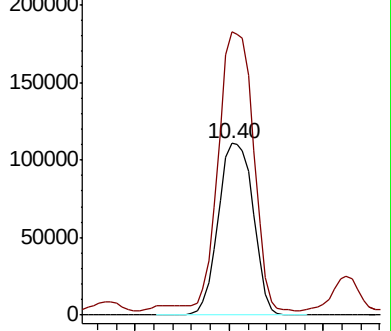
75 100

77 161.9 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#55

1,1,2-Trichloroethane

Concen: 484.408 ug/l

RT: 10.77 min Scan# 1454

Delta R.T. -0.02 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Tgt Ion: 97 Resp: 333071

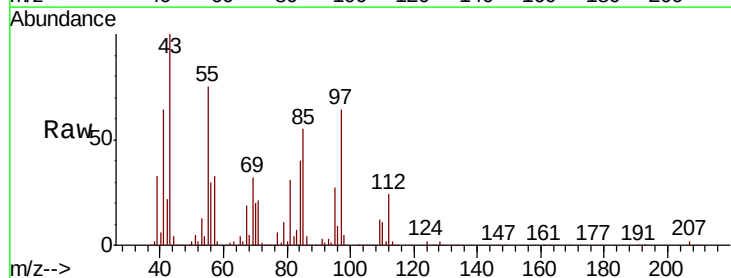
Ion Ratio Lower Upper

97 100

83 10.0 66.4 99.6#

85 85.2 44.1 66.1#

99 0.4 51.7 77.5#

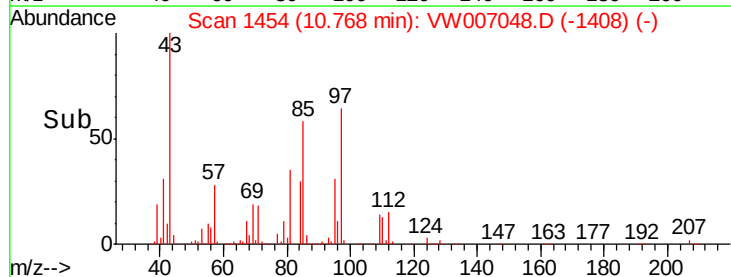
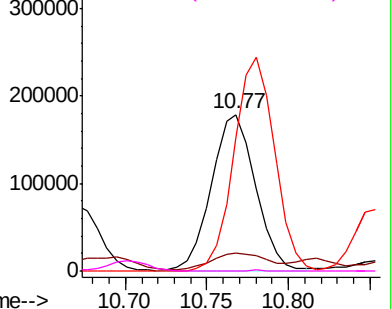


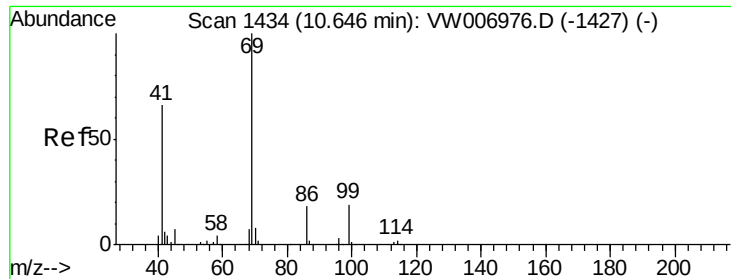
Abundance Ion 96.90 (96.60 to 97.60): VW

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

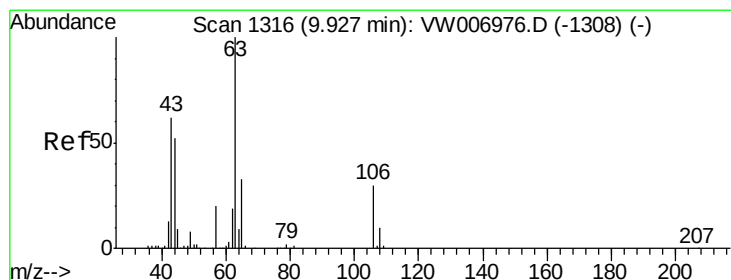
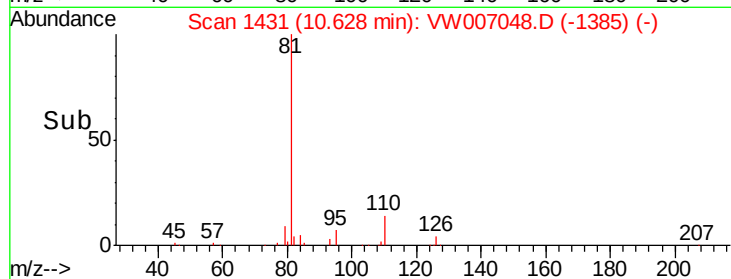
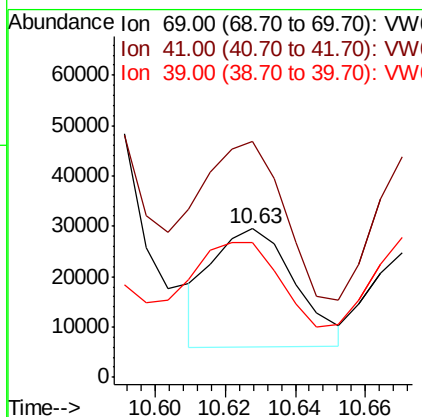
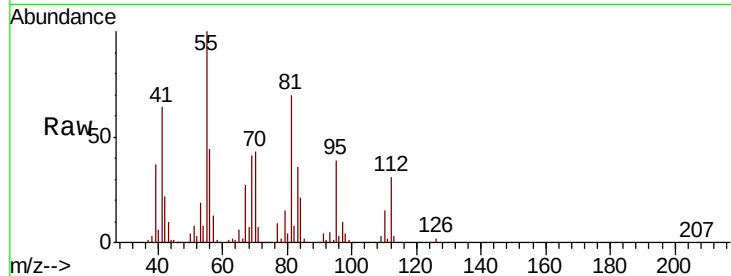




#56
Ethyl methacrylate
Concen: 47.993 ug/l
RT: 10.63 min Scan# 1431
Delta R.T. -0.02 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

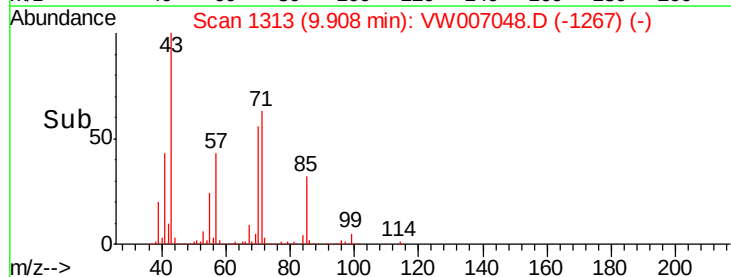
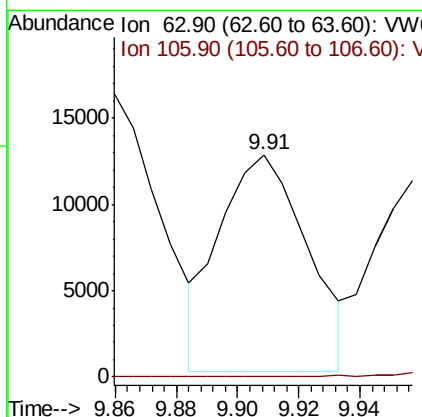
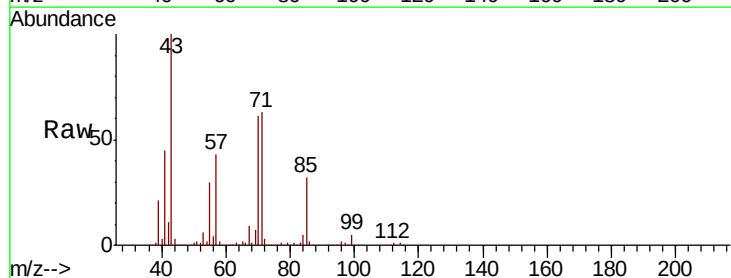
Instrument :
MSVOA_W
ClientSampled :

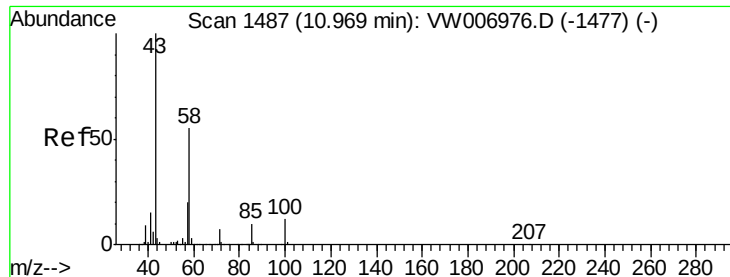
Tot Ion: 69 Resp: 38305
Ion Ratio Lower Upper
69 100
41 135.4 53.4 80.0#
39 0.0 28.2 42.4#



#58
2-Chloroethyl Vinyl ether
Concen: 59.952 ug/l
RT: 9.91 min Scan# 1313
Delta R.T. -0.02 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

Tgt Ion: 63 Resp: 25004
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#

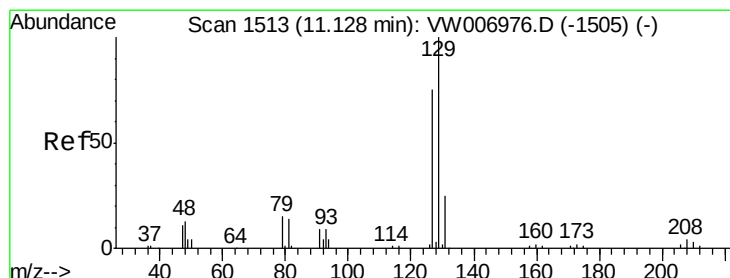
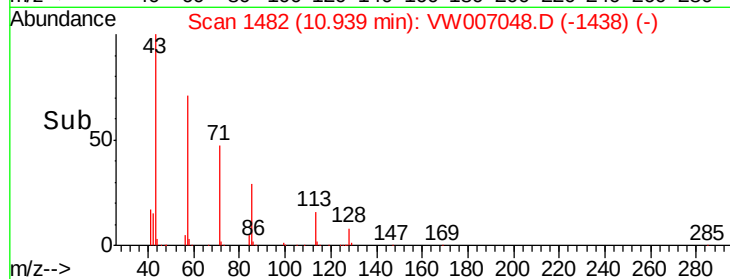
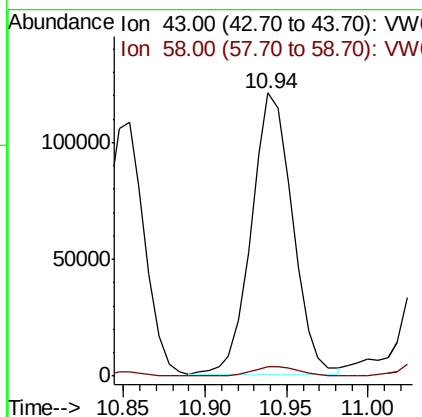
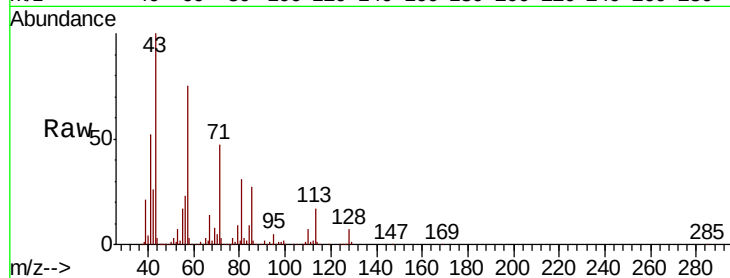




#59
2-Hexanone
Concen: 625.441 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

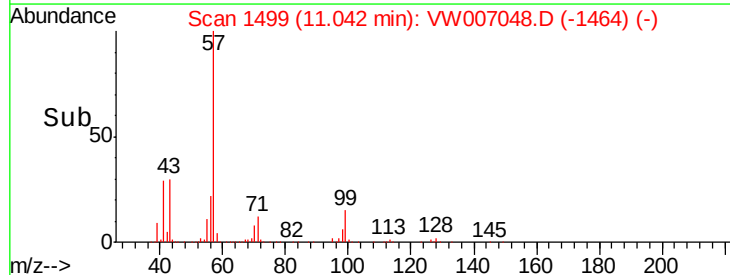
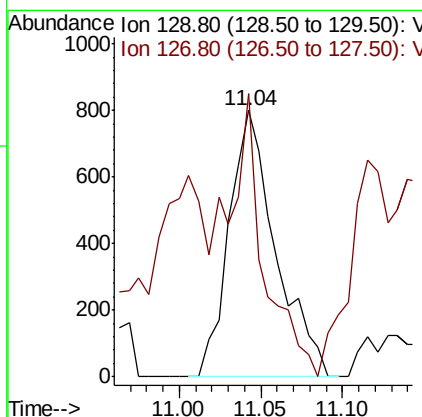
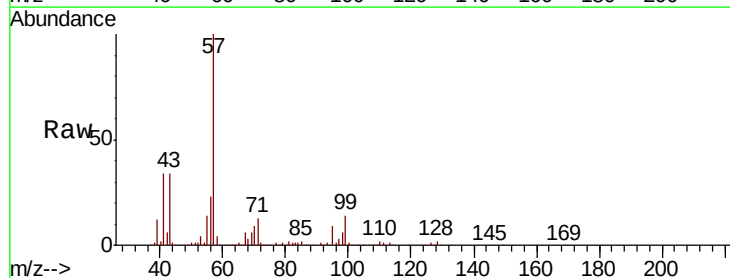
Instrument :
MSVOA_W
ClientSampled :

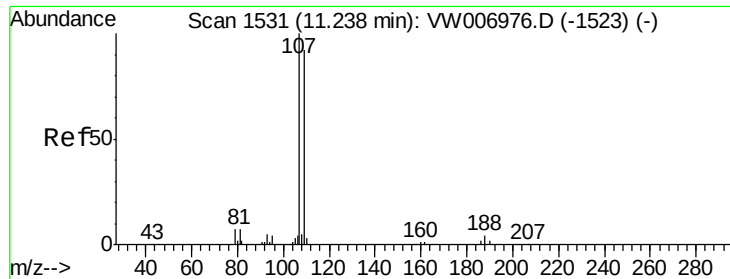
Tot Ion: 43 Resp: 209624
Ion Ratio Lower Upper
43 100
58 3.9 27.3 81.8#



#60
Dibromochloromethane
Concen: 2.029 ug/l
RT: 11.04 min Scan# 1499
Delta R.T. -0.09 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

Tgt Ion:129 Resp: 1590
Ion Ratio Lower Upper
129 100
127 58.7 38.3 114.8





#61

1,2-Dibromoethane

Concen: 162.311 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Instrument :

MSVOA_W

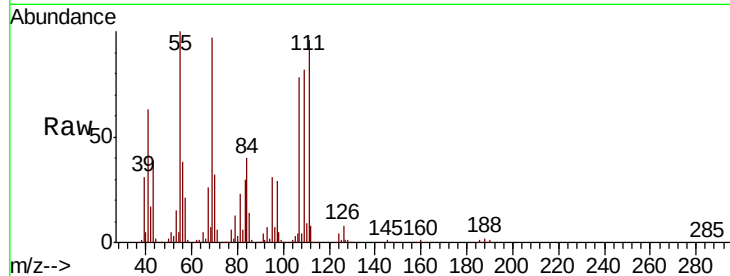
ClientSampled :

Tot Ion:107 Resp: 102092

Ion Ratio Lower Upper

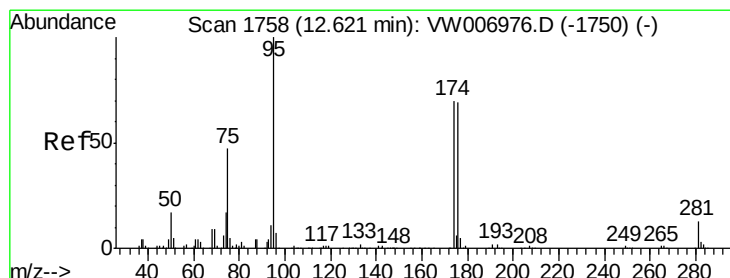
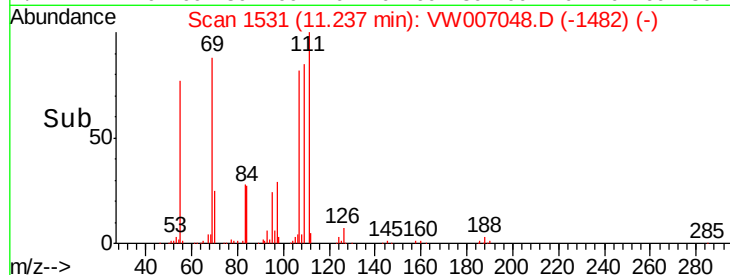
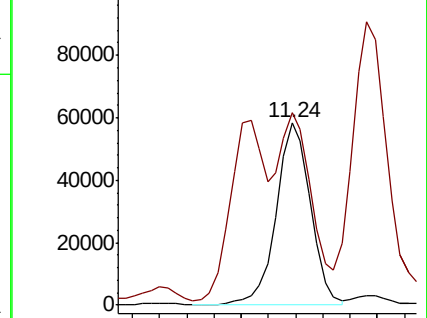
107 100

109 103.7 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 76.338 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

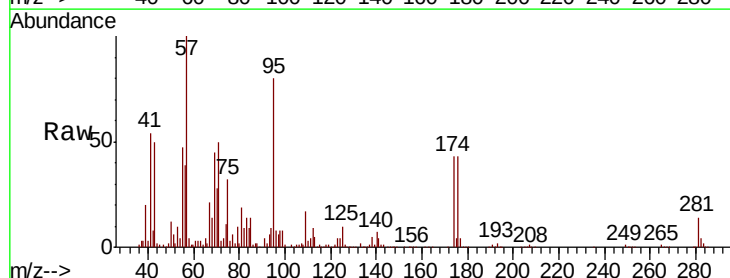
Tgt Ion: 95 Resp: 107514

Ion Ratio Lower Upper

95 100

174 48.8 0.0 143.6

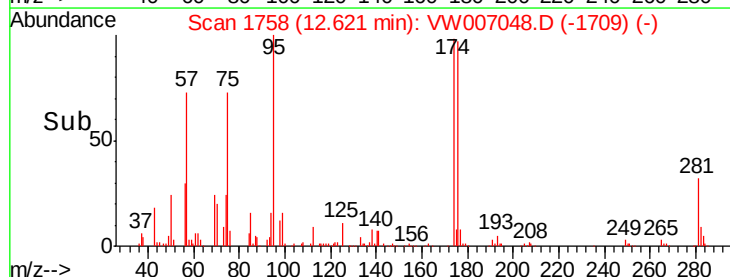
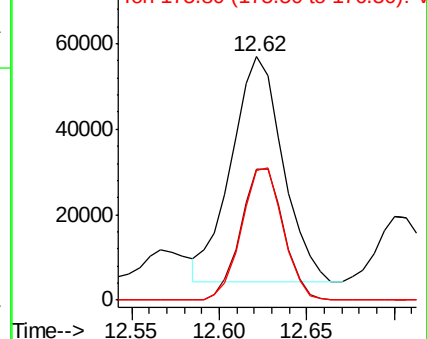
176 47.5 0.0 140.4

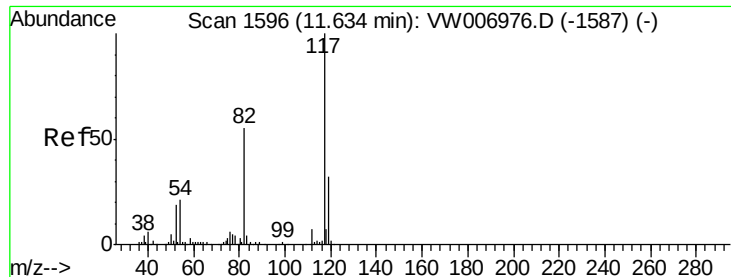


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

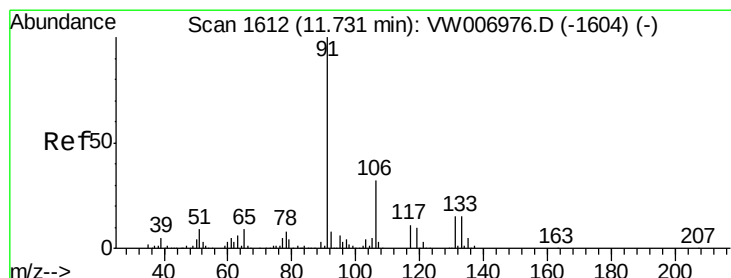
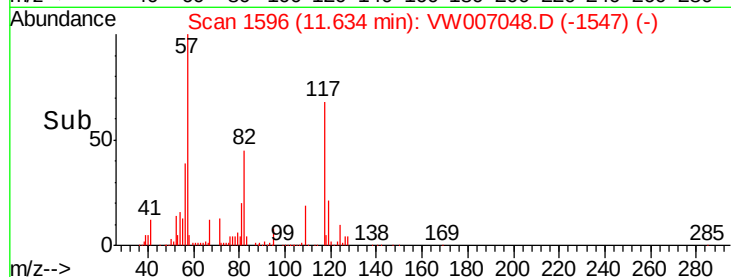
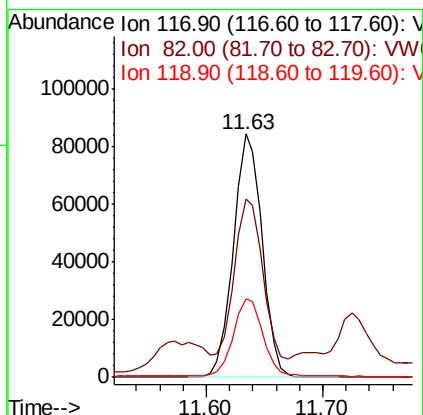
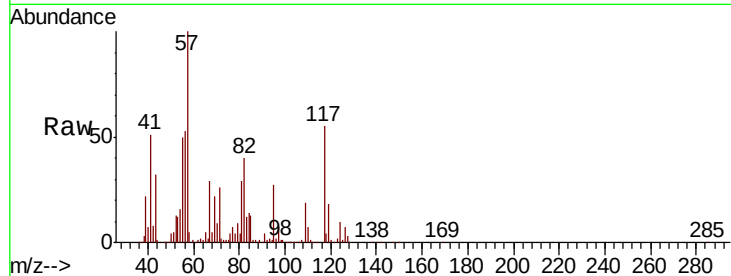




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

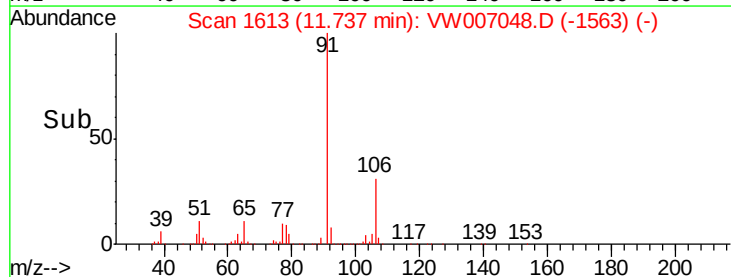
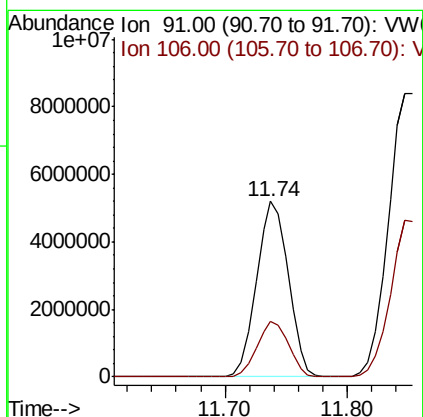
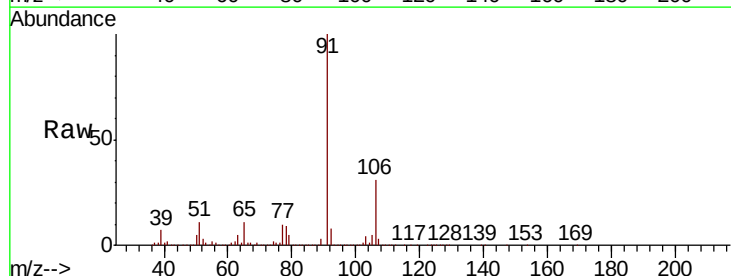
Instrument :
MSVOA_W
ClientSampled :

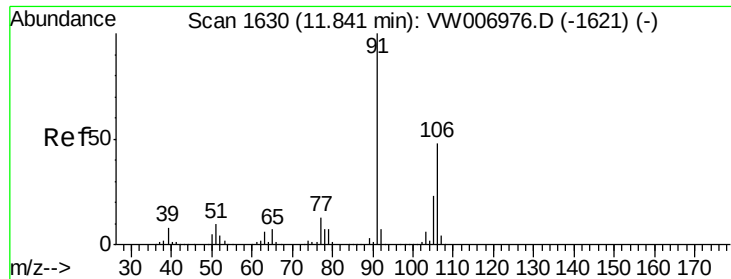
Tot Ion:117 Resp: 145008
Ion Ratio Lower Upper
117 100
82 58.6 44.2 66.2
119 31.7 25.9 38.9



#67
Ethyl Benzene
Concen: 1693.603 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

Tgt Ion: 91 Resp: 9416289
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.2

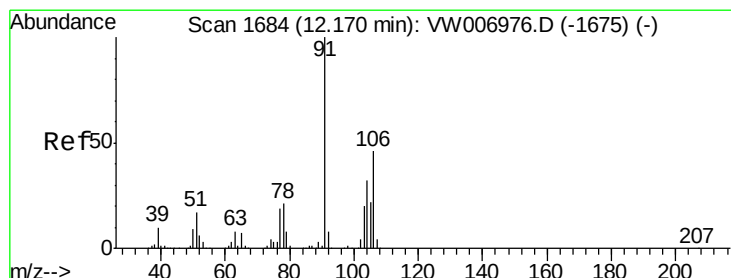
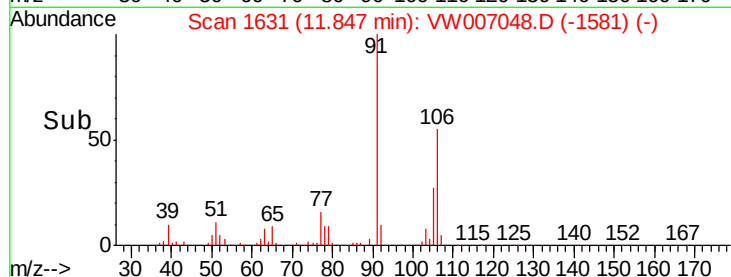
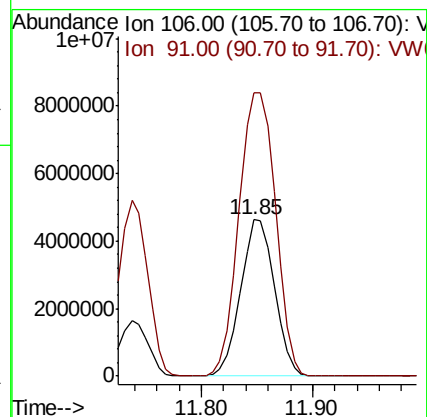
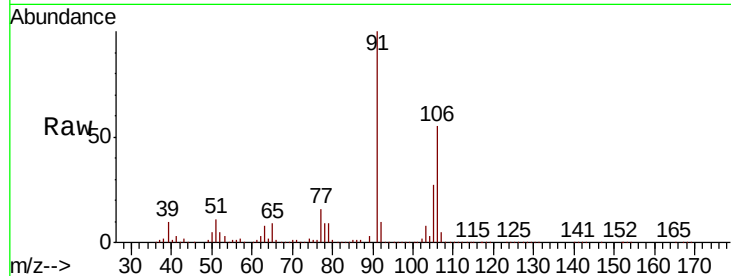




#68
m/p-Xylenes
Concen: 4472.518 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

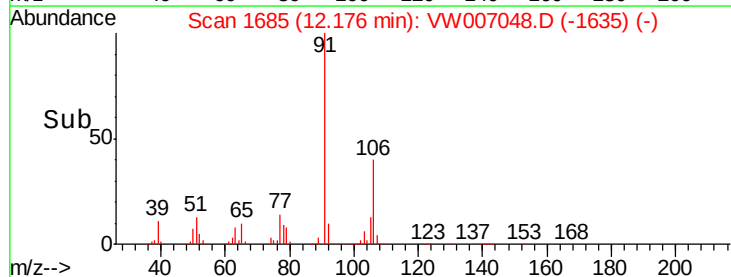
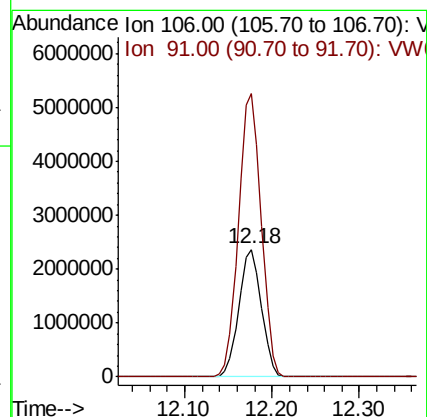
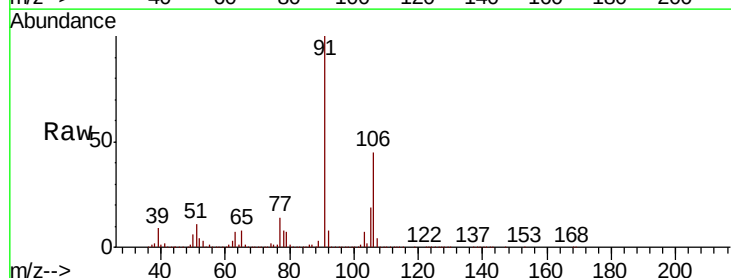
Instrument :
MSVOA_W
ClientSampled :

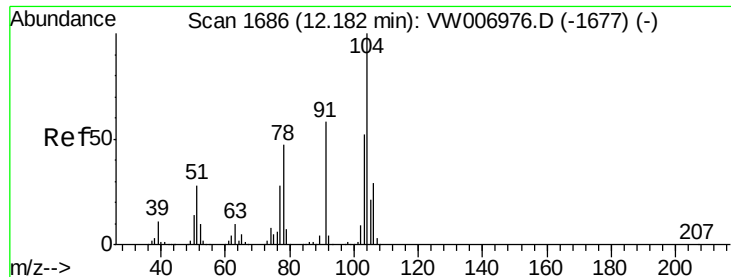
Tot Ion:106 Resp: 9756028
Ion Ratio Lower Upper
106 100
91 196.7 164.8 247.2



#69
o-Xylene
Concen: 2060.988 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

Tgt Ion:106 Resp: 4239077
Ion Ratio Lower Upper
106 100
91 224.0 107.9 323.8





#70

Stvrene

Concen: 71.657 ug/l

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Instrument :

MSVOA_W

ClientSampled :

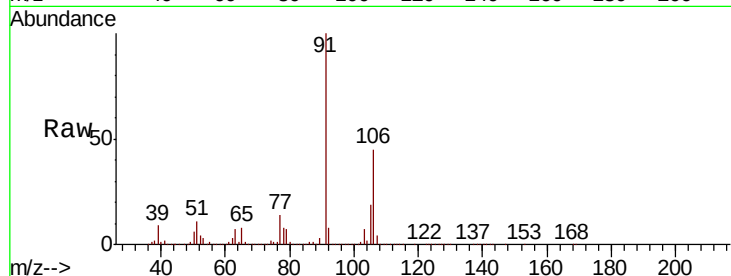
Tot Ion:104 Resp: 234574

Ion Ratio Lower Upper

104 100

78 310.7 41.8 62.8#

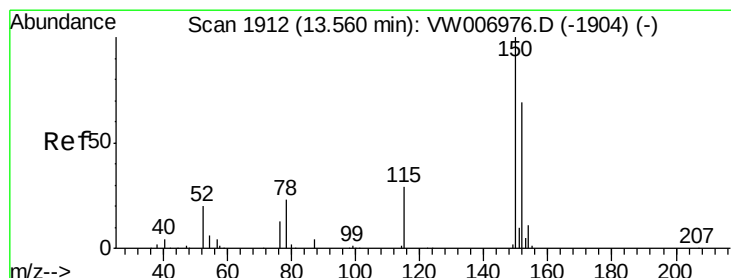
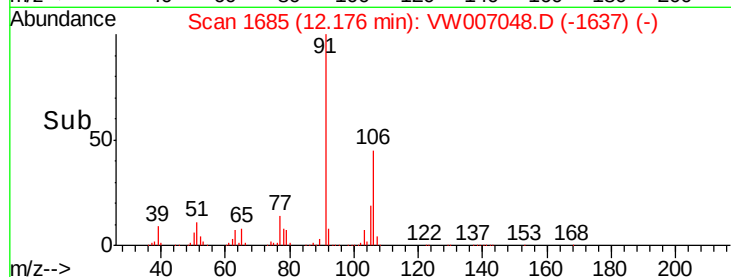
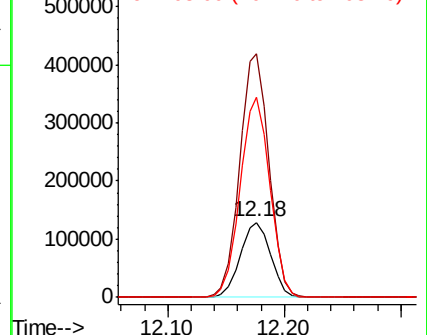
103 259.9 44.4 66.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

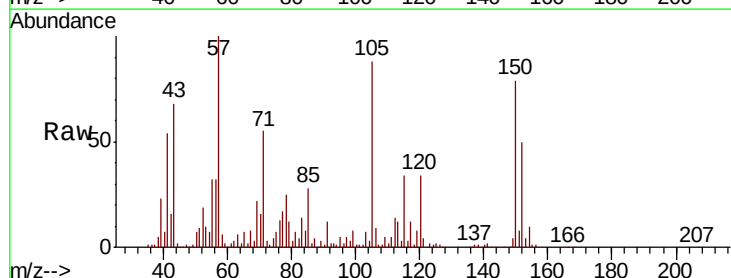
Tgt Ion:152 Resp: 70441

Ion Ratio Lower Upper

152 100

115 0.0 31.4 94.2#

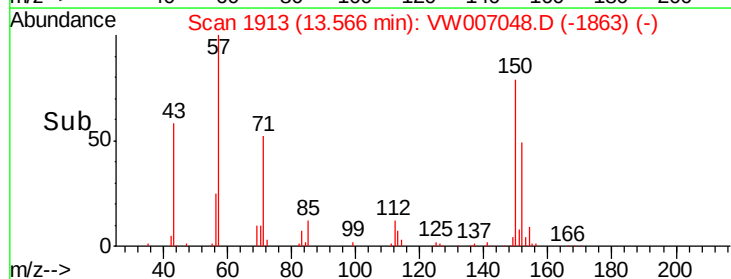
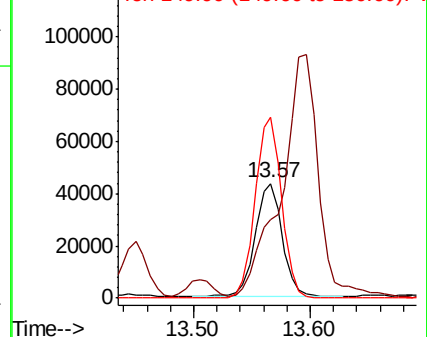
150 154.7 0.0 353.4

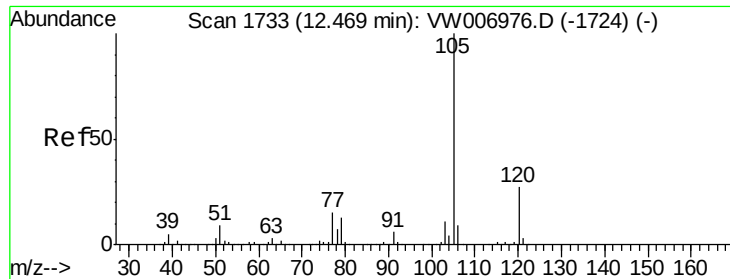


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 178.773 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Instrument :

MSVOA_W

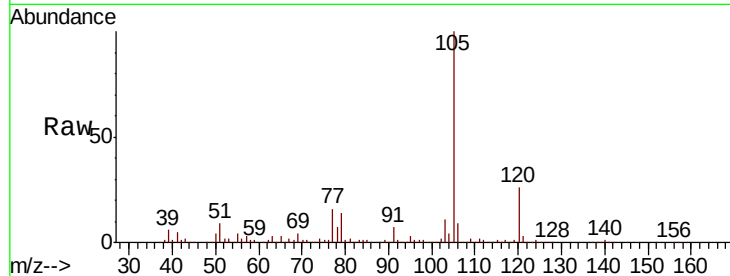
ClientSampleId :

Tot Ion:105 Resp: 978710

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

600000

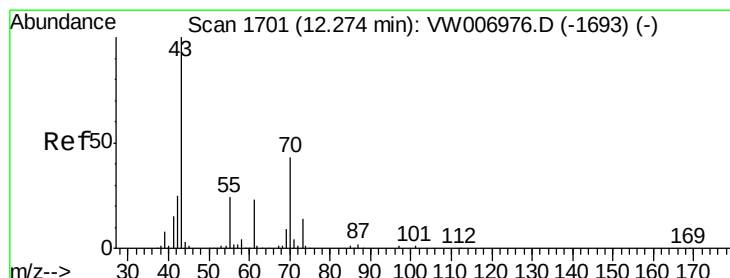
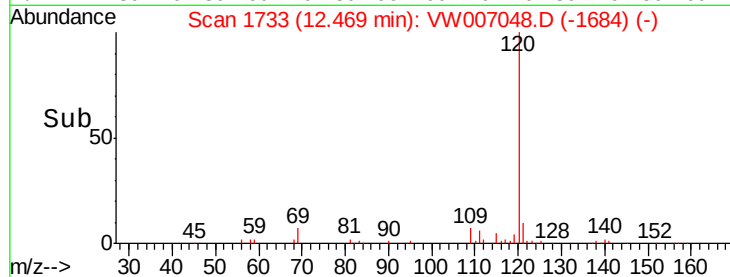
400000

200000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 138.515 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Tgt Ion: 43 Resp: 127092

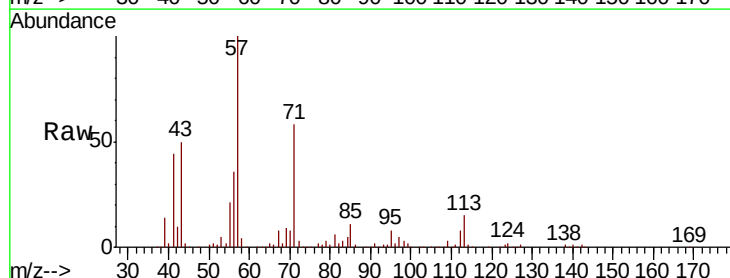
Ion Ratio Lower Upper

43 100

70 21.0 34.0 51.0#

55 0.0 19.4 29.0#

61 0.0 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

120000

100000

80000

60000

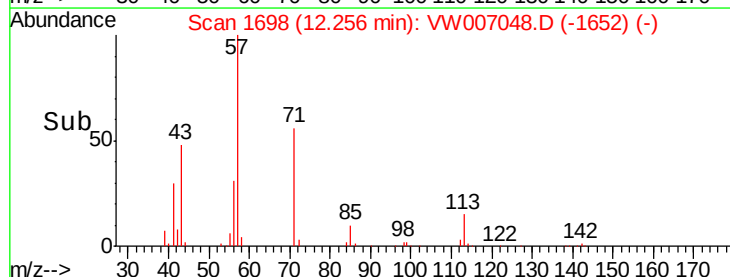
40000

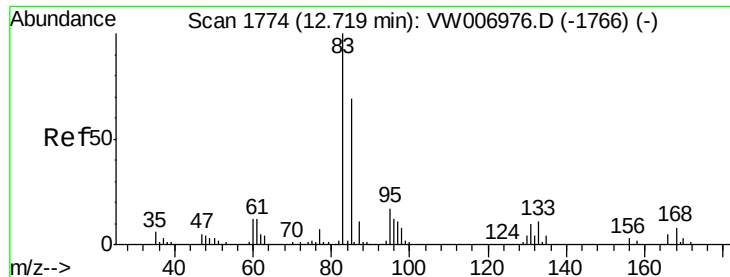
20000

0

Time-->

12.20 12.25 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 11.026 ug/l

RT: 12.71 min Scan# 1772

Delta R.T. -0.01 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Instrument :

MSVOA_W

ClientSampled :

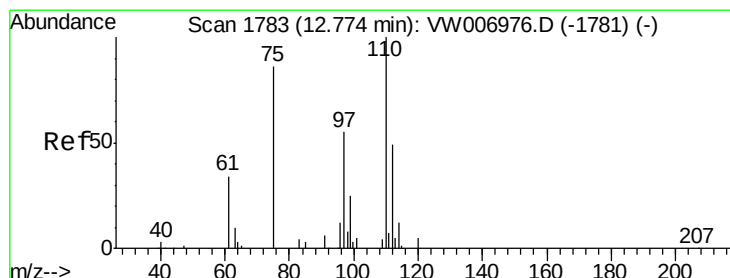
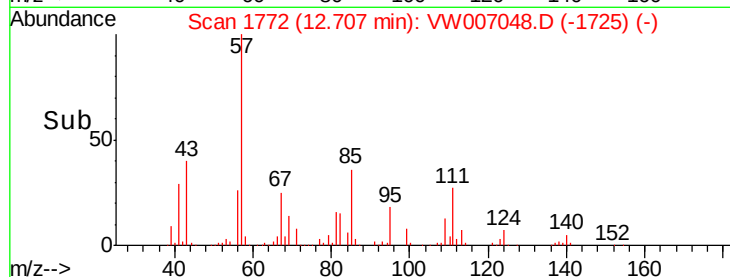
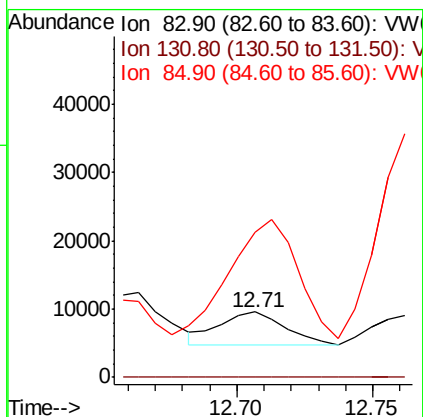
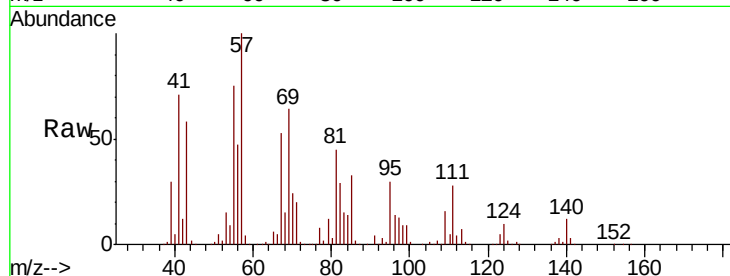
Tot Ion: 83 Resp: 8033

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

85 434.2 33.1 99.2#



#76

1,2,3-Trichloropropane

Concen: 51.416 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.04 min

Lab File: VW007048.D

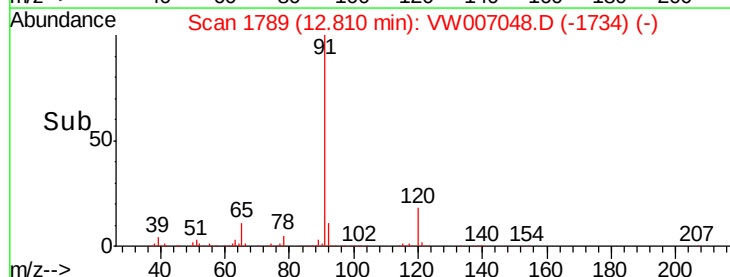
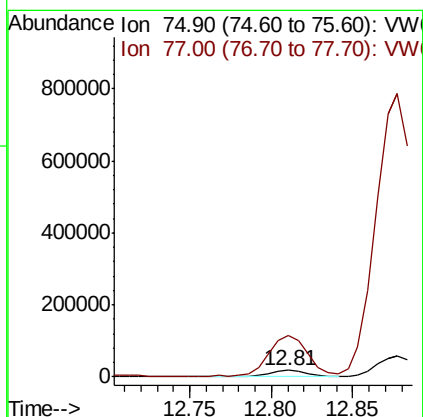
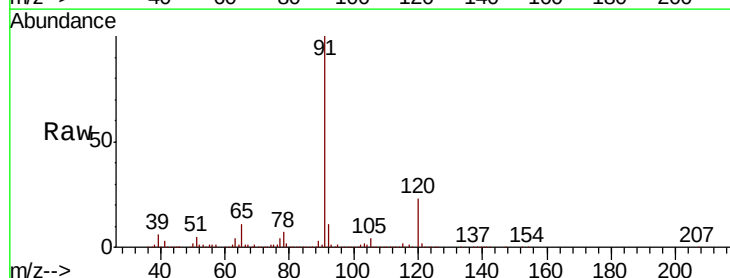
Acq: 26 Nov 2018 15:34

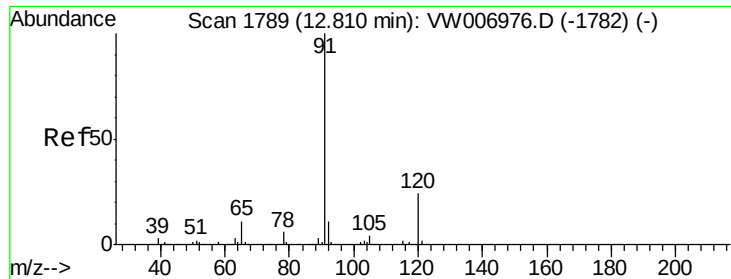
Tgt Ion: 75 Resp: 28460

Ion Ratio Lower Upper

75 100

77 648.2 0.0 0.0#





#78

n-propylbenzene

Concen: 645.270 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Instrument :

MSVOA_W

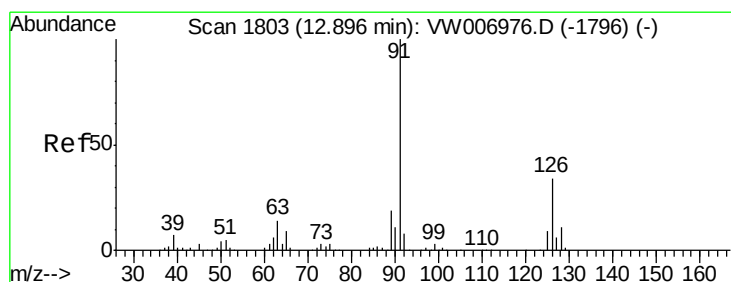
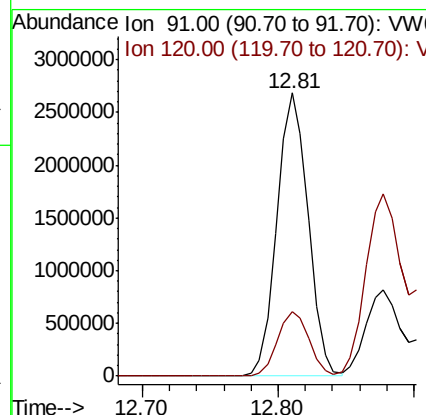
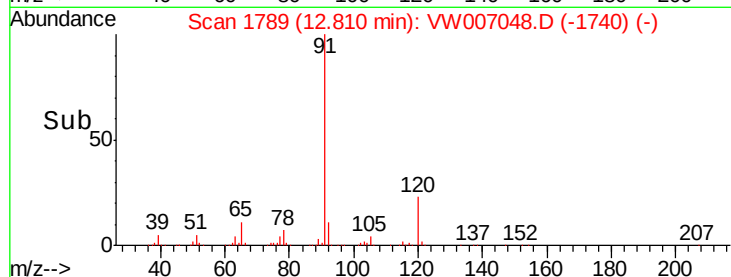
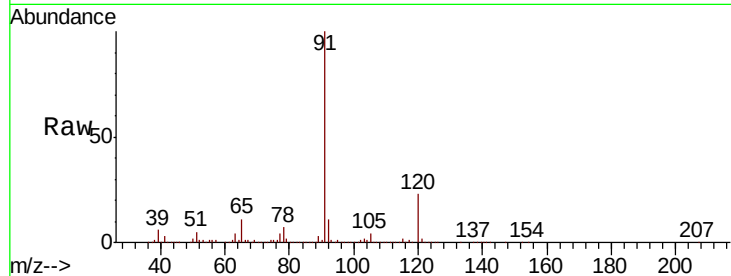
ClientSampleId :

Tot Ion: 91 Resp: 4279030

Ion Ratio Lower Upper

91 100

120 23.1 11.7 35.1



#79

2-Chlorotoluene

Concen: 377.331 ug/l

RT: 12.88 min Scan# 1800

Delta R.T. -0.02 min

Lab File: VW007048.D

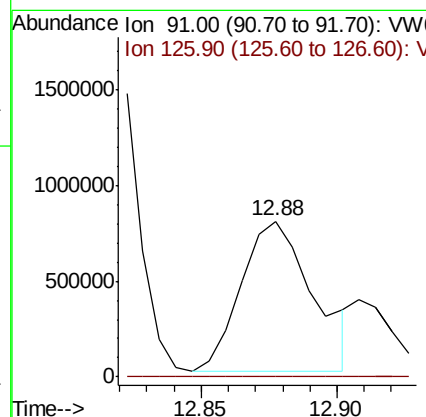
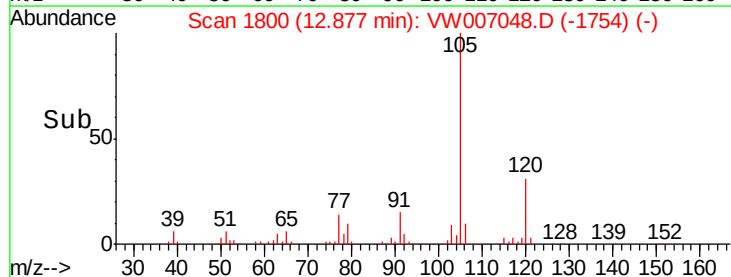
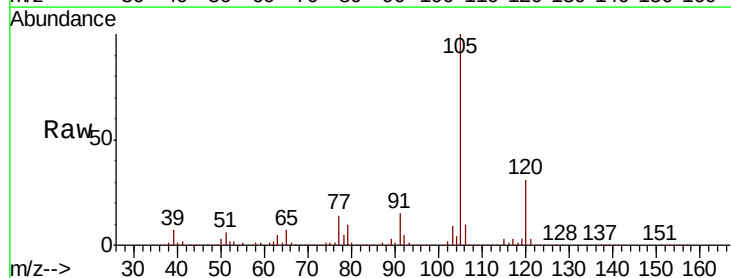
Acq: 26 Nov 2018 15:34

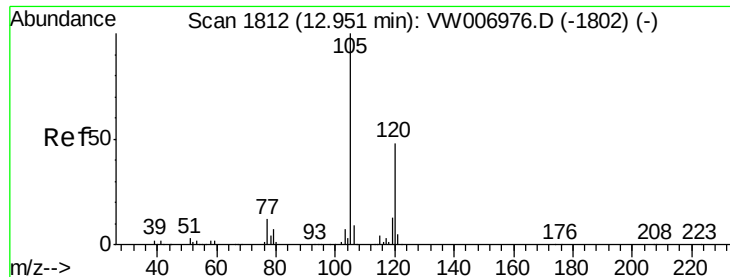
Tgt Ion: 91 Resp: 1442765

Ion Ratio Lower Upper

91 100

126 0.1 16.7 50.0#





#80

1,3,5-Trimethylbenzene

Concen: 988.496 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Instrument :

MSVOA_W

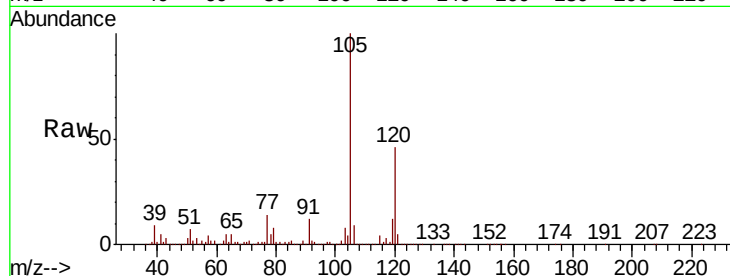
ClientSampled :

Tot Ion:105 Resp: 4679690

Ion Ratio Lower Upper

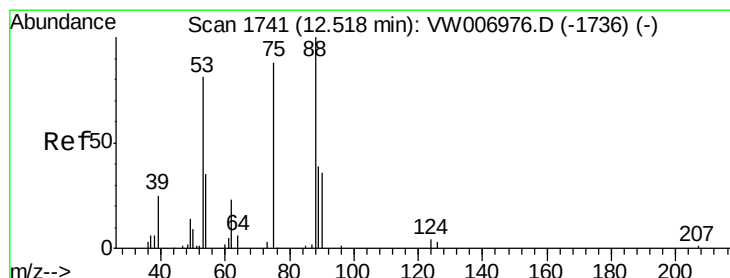
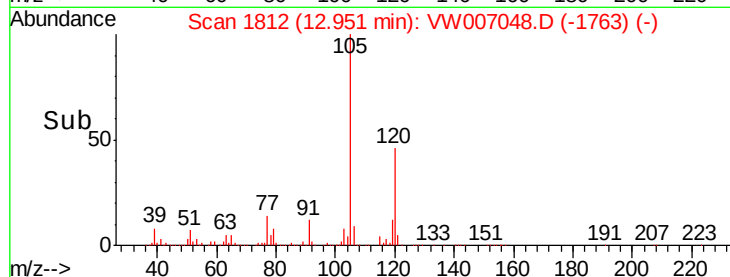
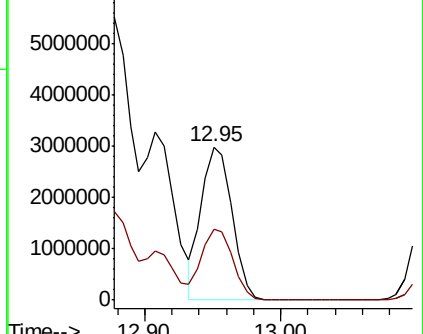
105 100

120 46.6 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: 54.714 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.05 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

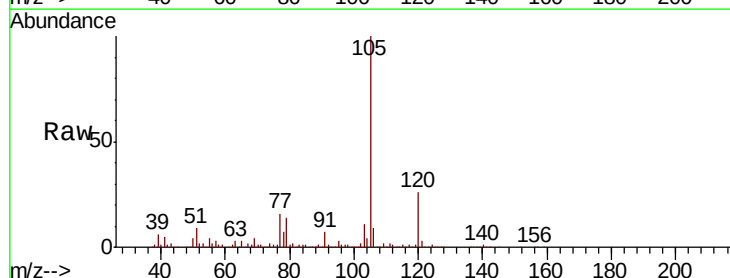
Tgt Ion: 75 Resp: 12063

Ion Ratio Lower Upper

75 100

53 102.9 77.6 116.4

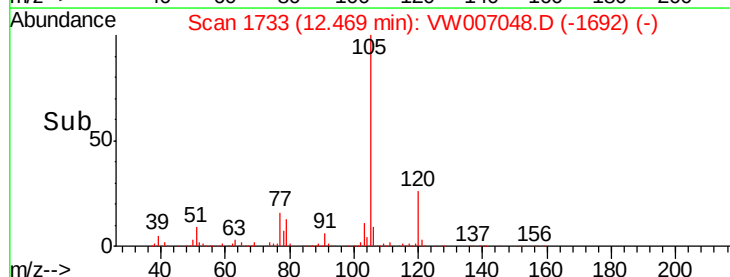
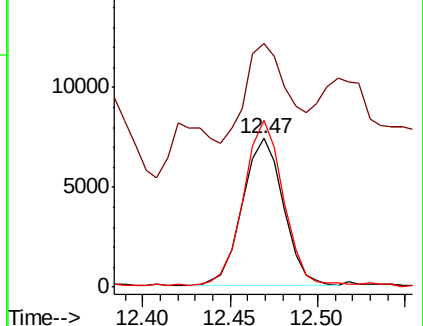
89 114.5 39.3 58.9#

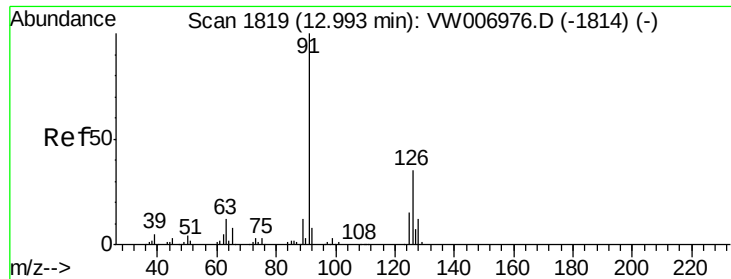


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#82

4-Chlorotoluene

Concen: 131.004 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.04 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Instrument :

MSVOA_W

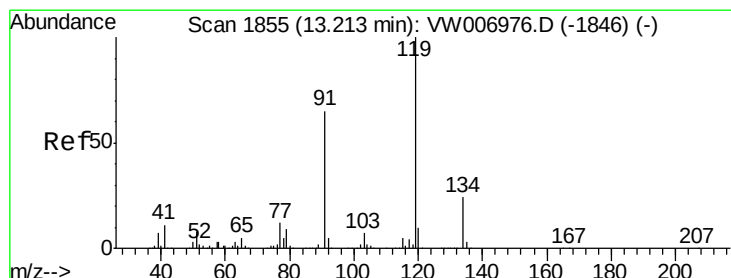
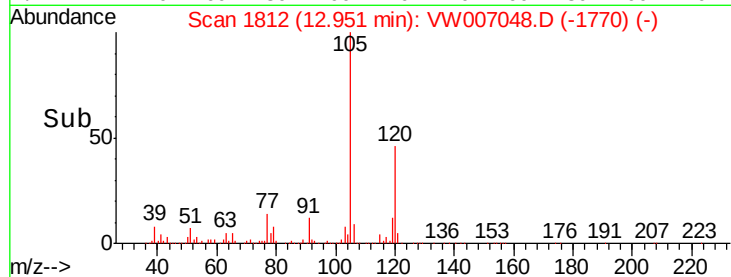
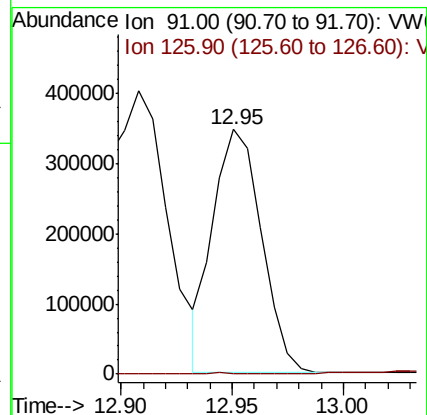
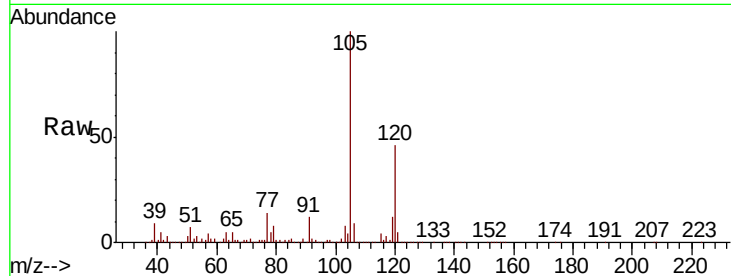
ClientSampled :

Tot Ion: 91 Resp: 525653

Ion Ratio Lower Upper

91 100

126 0.5 16.6 49.7#



#83

tert-Butylbenzene

Concen: 400.104 ug/l

RT: 13.26 min Scan# 1863

Delta R.T. 0.05 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

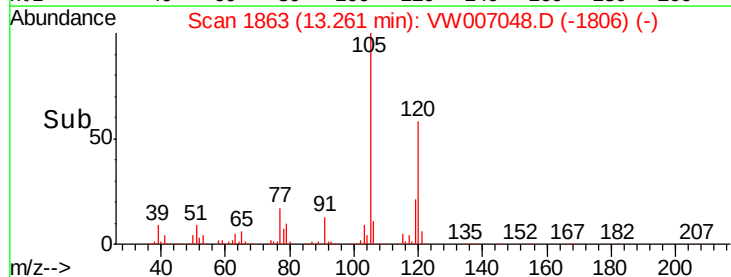
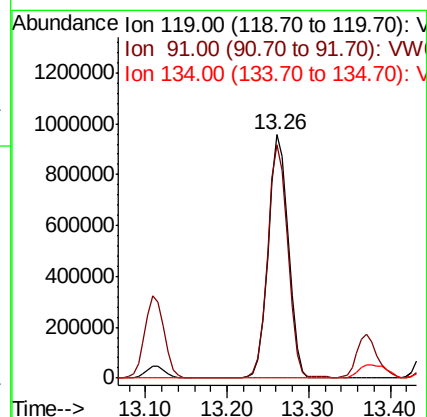
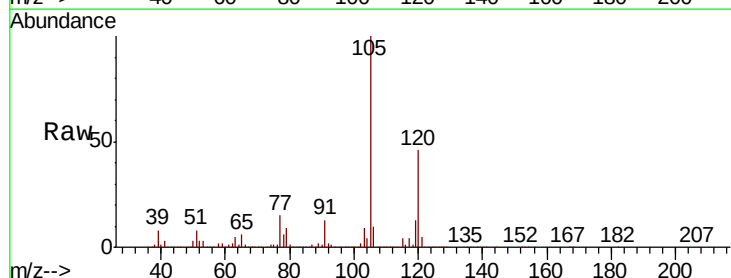
Tgt Ion: 119 Resp: 1639917

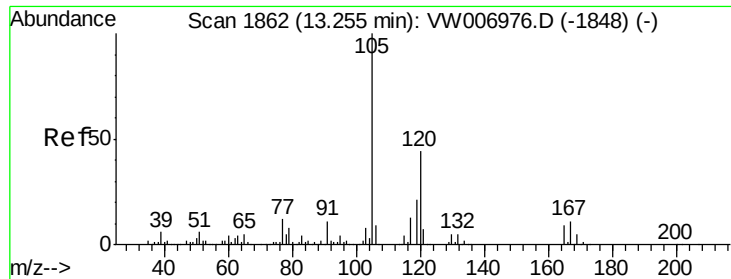
Ion Ratio Lower Upper

119 100

91 96.2 33.5 100.5

134 0.0 12.6 37.8#

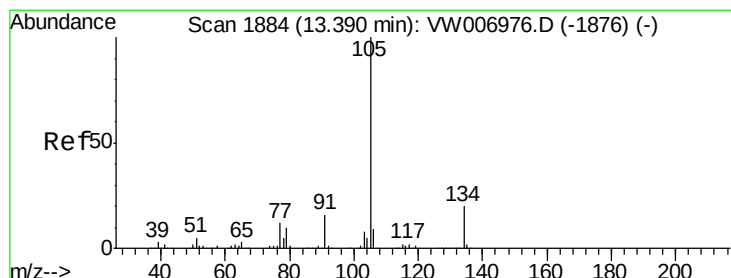
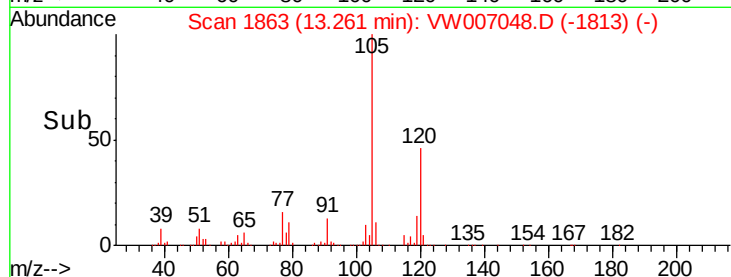
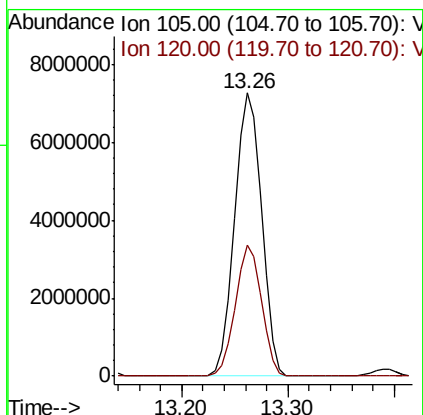
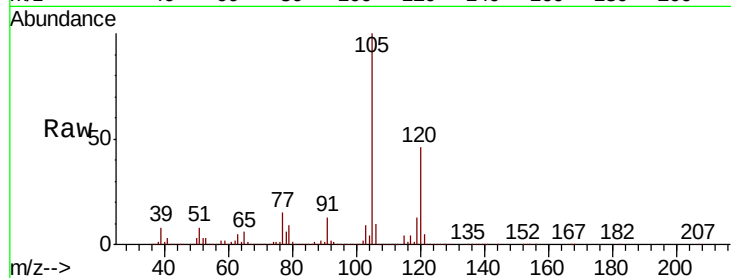




#84
1,2,4-Trimethylbenzene
Concen: 2750.876 ug/l
RT: 13.26 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

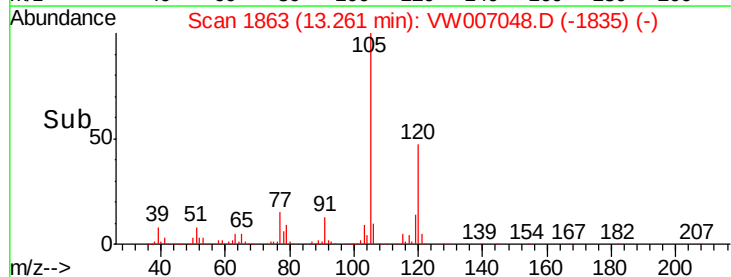
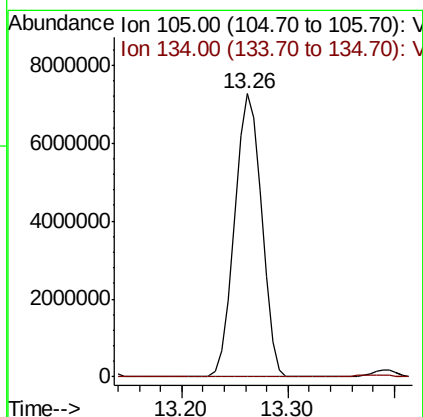
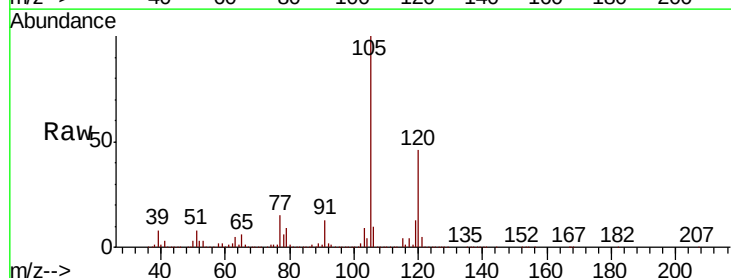
Instrument :
MSVOA_W
ClientSampled :

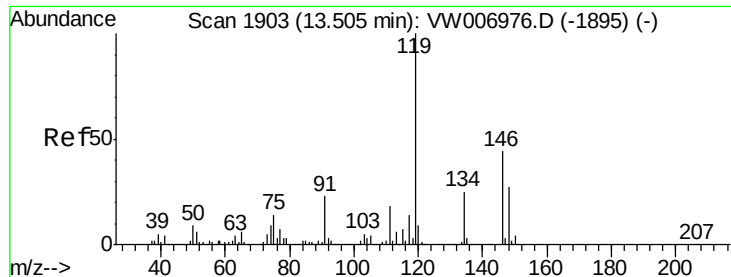
Tot Ion:105 Resp:12974980
Ion Ratio Lower Upper
105 100
120 44.8 21.8 65.3



#85
sec-Butylbenzene
Concen: 2240.770 ug/l
RT: 13.26 min Scan# 1863
Delta R.T. -0.13 min
Lab File: VW007048.D
Acq: 26 Nov 2018 15:34

Tgt Ion:105 Resp:12974980
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#

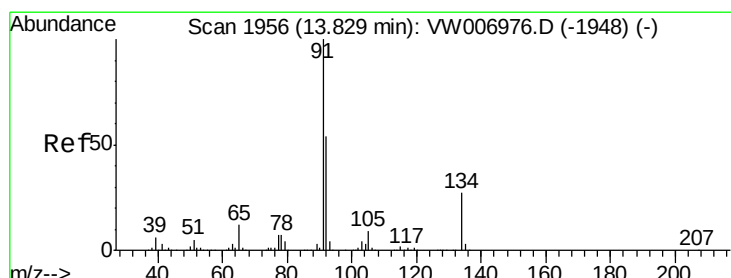
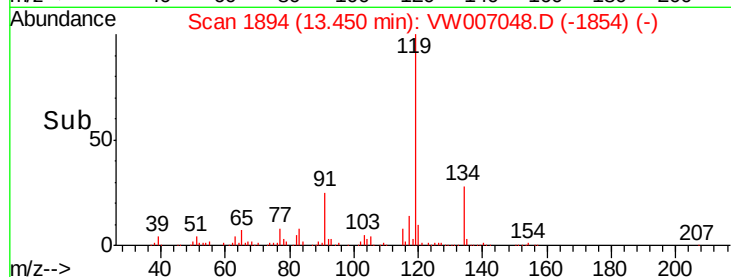
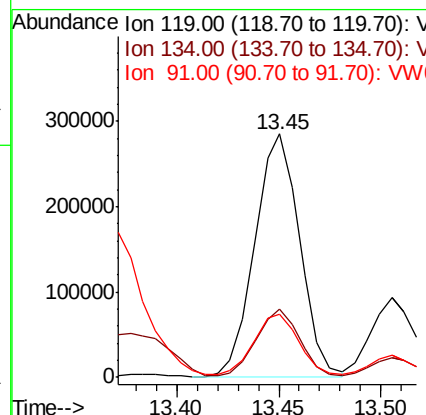
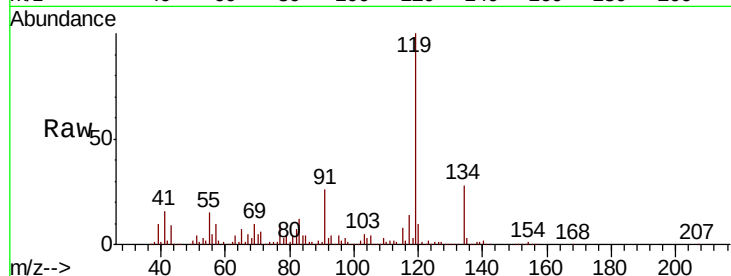




#86
 p-Isopropyltoluene
 Concen: 84.733 ug/l
 RT: 13.45 min Scan# 1894
 Delta R.T. -0.05 min
 Lab File: VW007048.D
 Acq: 26 Nov 2018 15:34

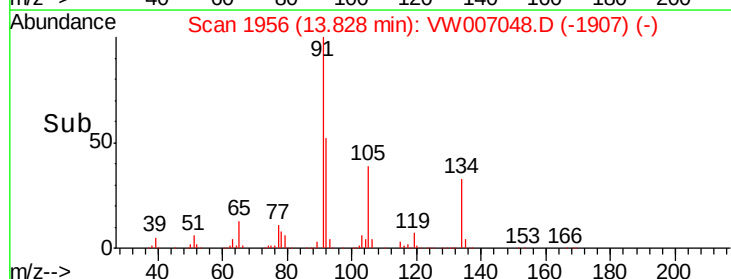
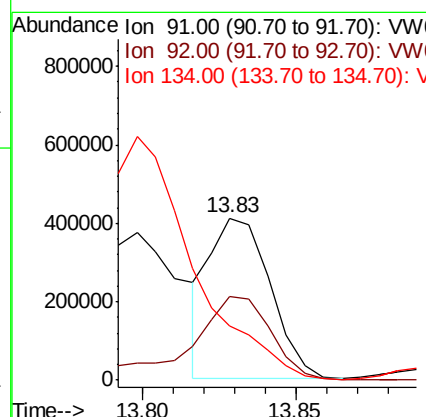
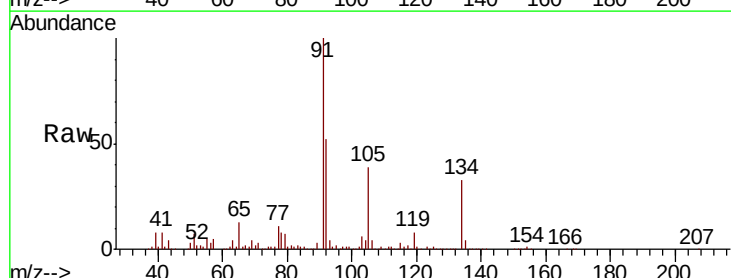
Instrument :
 MSVOA_W
 ClientSampleId :

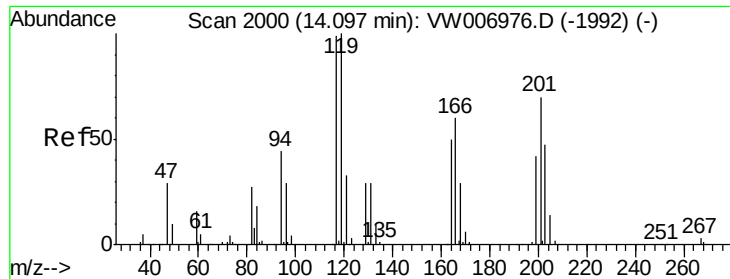
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.5	12.8	38.3
91	24.3	12.2	36.6



#89
 n-Butylbenzene
 Concen: 116.750 ug/l
 RT: 13.83 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW007048.D
 Acq: 26 Nov 2018 15:34

Tgt Ion	Ratio	Lower	Upper
91	100		
92	68.4	26.8	80.4
134	0.0	13.3	39.8#





#90

Hexachloroethane

Concen: 335.426 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

Instrument :

MSVOA_W

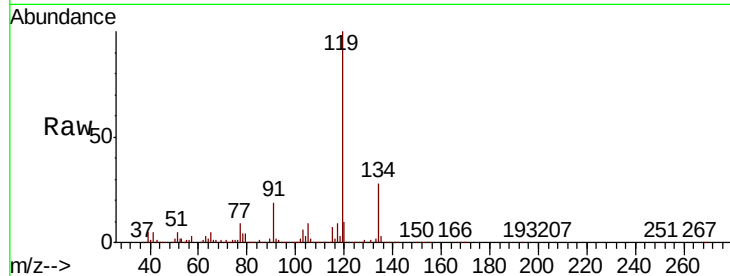
ClientSampled :

Tot Ion:117 Resp: 250161

Ion Ratio Lower Upper

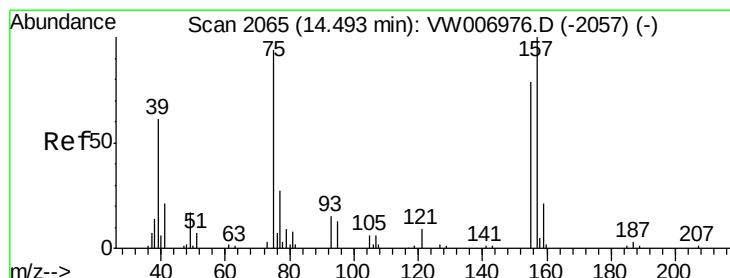
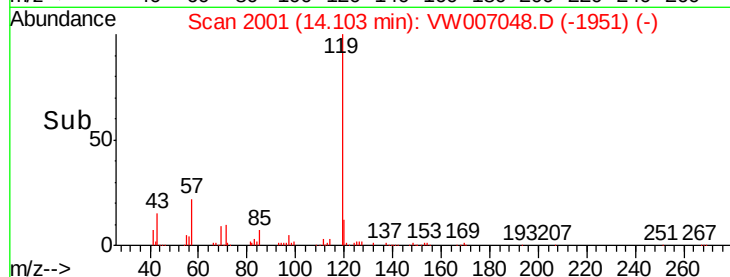
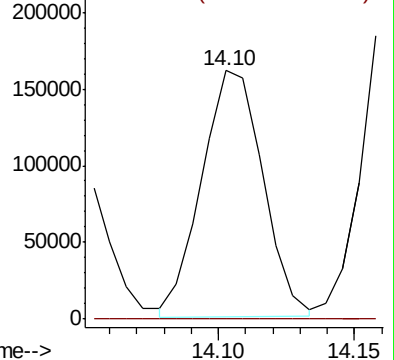
117 100

201 0.0 35.9 107.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 37.164 ug/l

RT: 14.51 min Scan# 2068

Delta R.T. 0.02 min

Lab File: VW007048.D

Acq: 26 Nov 2018 15:34

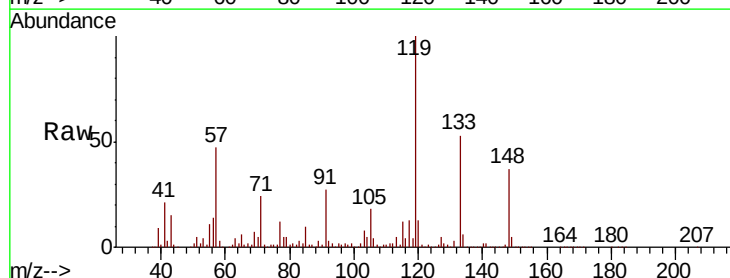
Tgt Ion: 75 Resp: 4573

Ion Ratio Lower Upper

75 100

155 11.5 42.6 127.8#

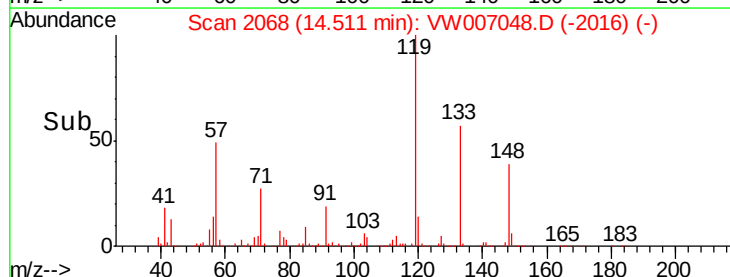
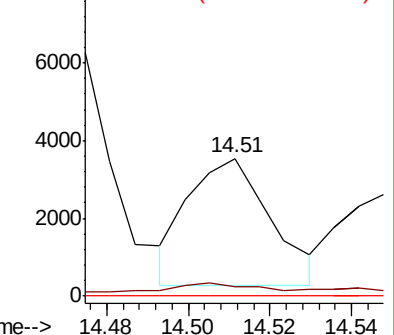
157 0.0 55.0 165.0#

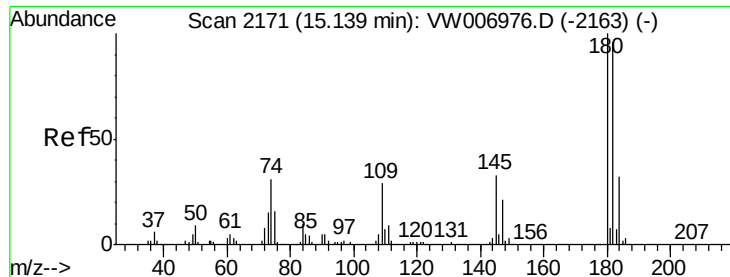


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

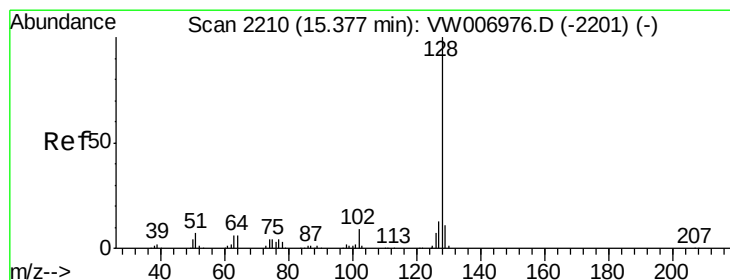
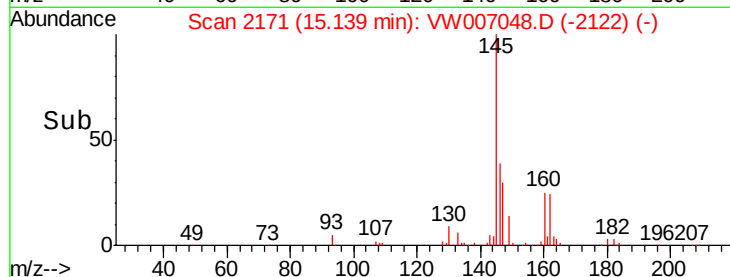
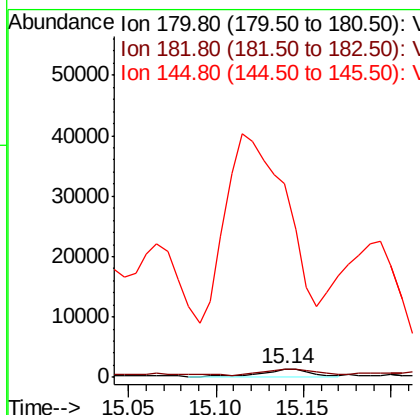
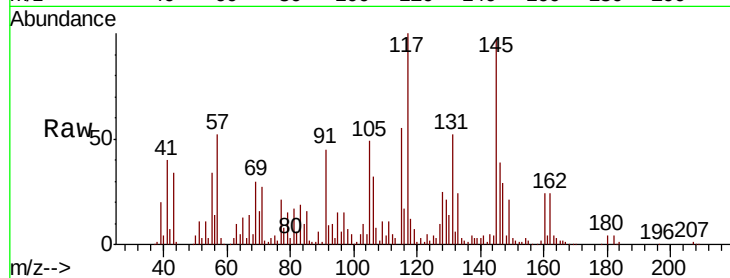




#93
 1,2,4-Trichlorobenzene
 Concen: 1.689 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007048.D
 Acq: 26 Nov 2018 15:34

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 2342
 Ion Ratio Lower Upper
 180 100
 182 101.5 47.1 141.3
 145 0.0 16.5 49.5#



#95
 Naphthalene
 Concen: 739.183 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. -0.00 min
 Lab File: VW007048.D
 Acq: 26 Nov 2018 15:34

Tgt Ion:128 Resp: 1861074
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.5 15.7
 129 10.9 8.7 13.1

