

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112118\
 Data File : VW006992.D
 Acq On : 20 Nov 2018 23:05
 Operator : SY/AP
 Sample : J5993-06RE
 Misc : 5.07G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 21 04:51:39 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	98512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	165969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	130850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	49847	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	42220	43.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.56%	
35) Dibromofluoromethane	7.94	113	135	0.14	ug/l	0.05
Spiked Amount	50.000		Recovery	=	0.28%	
50) Toluene-d8	10.32	98	179083	43.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.54%	
62) 4-Bromofluorobenzene	12.62	95	60037	36.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.72%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.20	59	135	2.150	ug/l #	71
13) Acrolein	3.85	56	171	2.652	ug/l #	1
15) Acrylonitrile	5.44	53	3401	17.908	ug/l #	40
16) Acetone	4.14	43	21627	154.448	ug/l	96
17) Carbon Disulfide	4.38	76	27499	9.539	ug/l	100
20) Methylene Chloride	4.92	84	10712	4.708	ug/l #	90
25) 2-Butanone	7.18	43	8226	34.299	ug/l #	87
30) Chloroform	7.63	83	5112	2.748	ug/l #	18
31) Cyclohexane	7.95	56	60200	32.410	ug/l	96
36) 1,1-Dichloropropene	7.95	75	7660	4.723	ug/l #	49
37) Ethyl Acetate	7.18	43	8226	13.996	ug/l #	69
38) Carbon Tetrachloride	7.95	117	10267	6.611	ug/l #	16
39) Methylcyclohexane	9.34	83	290935	143.345	ug/l	95
40) Benzene	8.32	78	138725	31.687	ug/l	100
41) Methacrylonitrile	7.52	41	1606	4.400	ug/l #	48
43) Isopropyl Acetate	8.42	43	38101	34.019	ug/l #	49
45) 1,2-Dichloropropane	9.34	63	3619	3.353	ug/l #	1
47) Bromodichloromethane	9.62	83	12035	8.452	ug/l #	29
48) Methyl methacrylate	9.47	41	7120	13.184	ug/l #	12
51) 4-Methyl-2-Pentanone	10.25	43	16146	28.527	ug/l #	81
52) Toluene	10.39	92	8328	2.795	ug/l	96
55) 1,1,2-Trichloroethane	10.76	97	78682	98.954	ug/l #	23
56) Ethyl methacrylate	10.63	69	14446	15.652	ug/l	87
58) 2-Chloroethyl Vinyl ether	9.90	63	1040	2.156	ug/l #	45
59) 2-Hexanone	10.94	43	165830	427.849	ug/l #	29
60) Dibromochloromethane	11.04	129	1144	1.263	ug/l	77
65) Chlorobenzene	11.66	112	11169	4.090	ug/l	92
67) Ethyl Benzene	11.73	91	35045	6.985	ug/l	98
68) m/p-Xylenes	11.84	106	267008	135.651	ug/l	99
69) o-Xylene	12.17	106	170313	91.764	ug/l	98
70) Styrene	12.17	104	8783	2.973	ug/l #	1
73) Isopropylbenzene	12.47	105	36669	9.465	ug/l	100
74) N-amyl acetate	12.26	43	81864	126.083	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.69	83	6586	12.774	ug/l #	74

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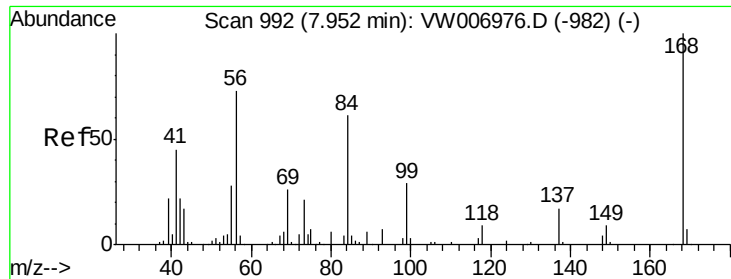
Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 21 04:51:39 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

76) 1,2,3-Trichloropropane	12.81	75	837	2.137	ug/l #	100
77) Bromobenzene	12.91	156	38019	45.692	ug/l #	4
78) n-propylbenzene	12.81	91	98225	20.932	ug/l	99
79) 2-Chlorotoluene	12.90	91	19794	7.316	ug/l #	67
80) 1,3,5-Trimethylbenzene	12.94	105	157360	46.972	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	25971	166.463	ug/l #	17
82) 4-Chlorotoluene	12.94	91	16006	5.637	ug/l #	51
83) tert-Butylbenzene	13.21	119	4148	1.430	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	335969	100.658	ug/l	98
85) sec-Butylbenzene	13.39	105	31043	7.576	ug/l #	57
86) p-Isopropyltoluene	13.51	119	43626	12.068	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	3409	2.007	ug/l #	1
88) 1,4-Dichlorobenzene	13.58	146	16704	9.863	ug/l #	78
89) n-Butylbenzene	13.83	91	32154	9.452	ug/l #	72
90) Hexachloroethane	14.10	117	16527	31.315	ug/l #	14
91) 1,2-Dichlorobenzene	13.88	146	3101	2.083	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.51	75	472	5.421	ug/l #	13
95) Naphthalene	15.37	128	77393	43.439	ug/l #	96

(#) = 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: VW006992.D

Acq: 20 Nov 2018 23:05

Instrument :

MSVOA_W

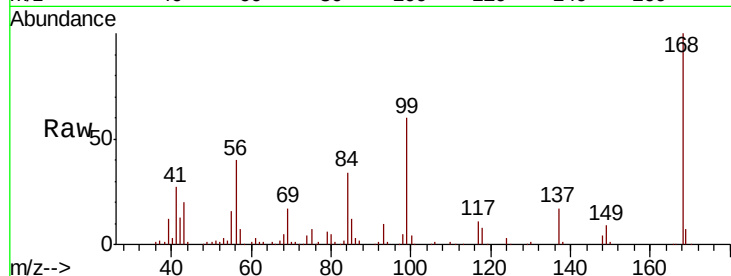
ClientSampleId :

Tot Ion:168 Resp: 98512

Ion Ratio Lower Upper

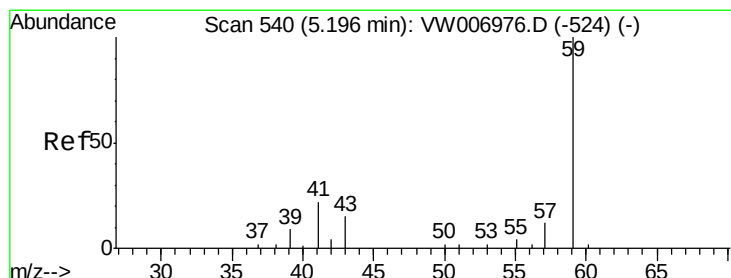
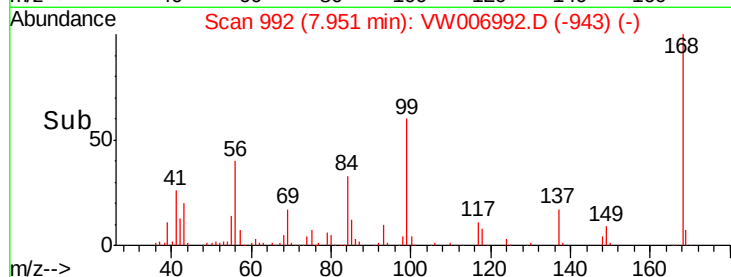
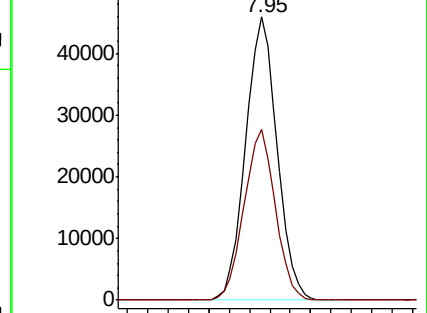
168 100

99 60.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.150 ug/l

RT: 5.20 min Scan# 540

Delta R.T. -0.00 min

Lab File: VW006992.D

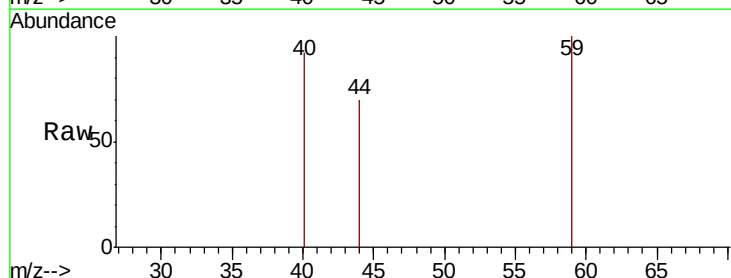
Acq: 20 Nov 2018 23:05

Tgt Ion: 59 Resp: 135

Ion Ratio Lower Upper

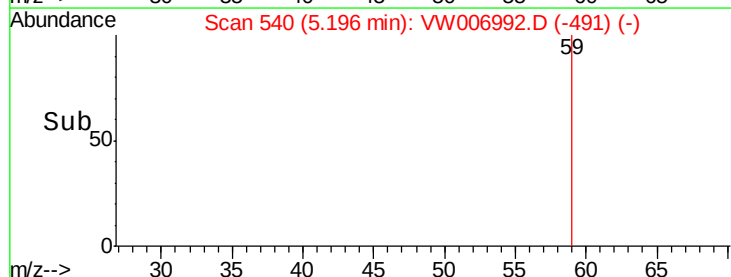
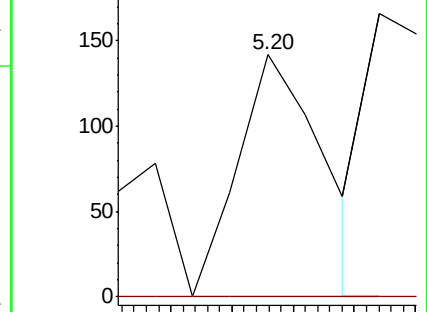
59 100

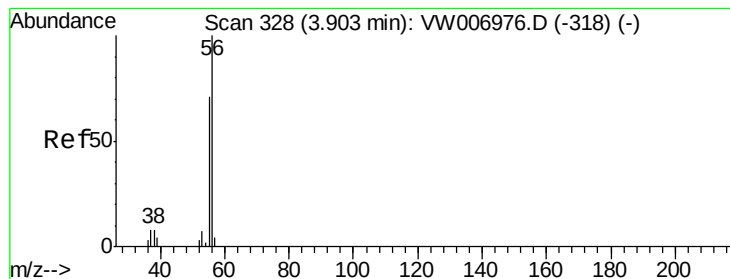
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 2.652 ug/l

RT: 3.85 min Scan# 320

Delta R.T. -0.05 min

Lab File: VW006992.D

Acq: 20 Nov 2018 23:05

Instrument :

MSVOA_W

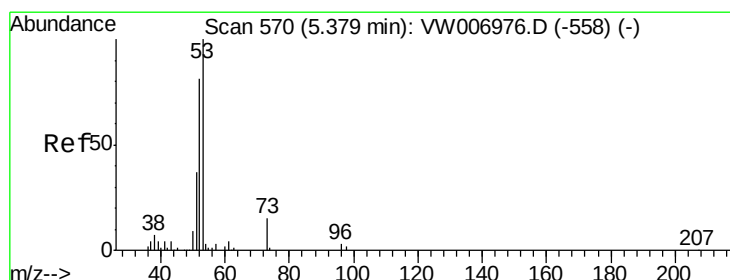
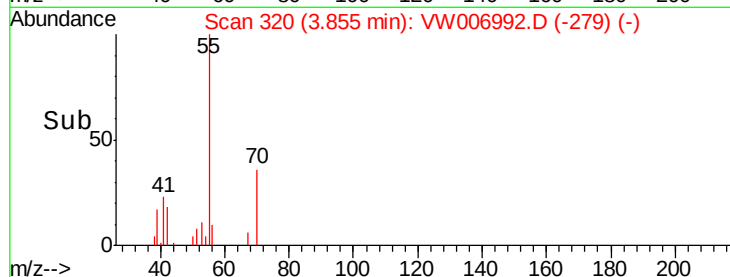
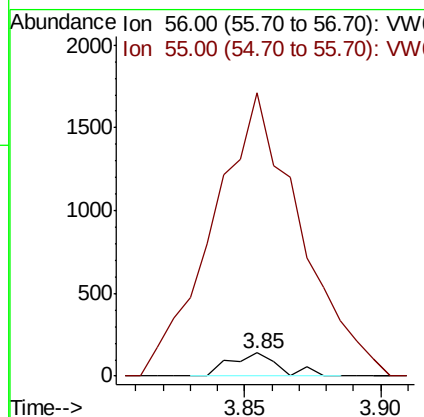
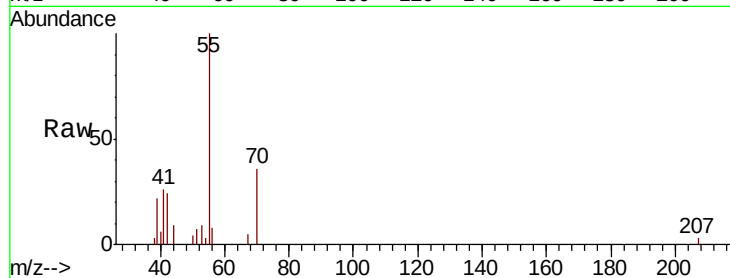
ClientSampleId :

Tot Ion: 56 Resp: 171

Ion Ratio Lower Upper

56 100

55 2228.7 57.5 86.3#



#15

Acrylonitrile

Concen: 17.908 ug/l

RT: 5.44 min Scan# 580

Delta R.T. 0.06 min

Lab File: VW006992.D

Acq: 20 Nov 2018 23:05

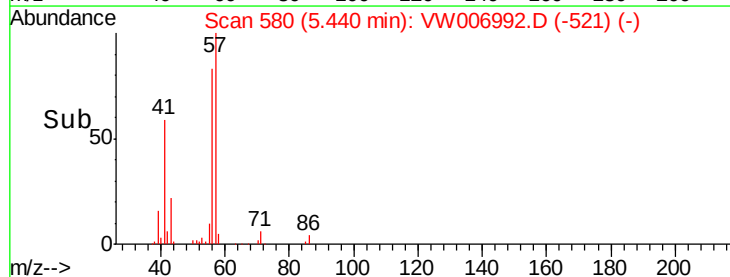
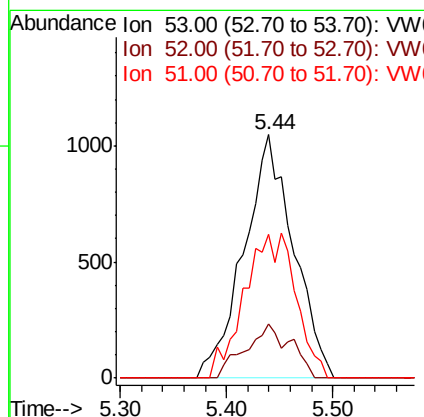
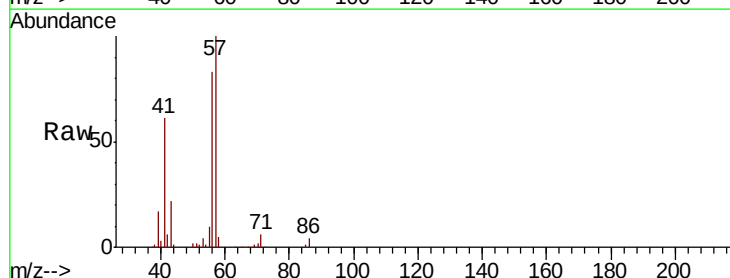
Tgt Ion: 53 Resp: 3401

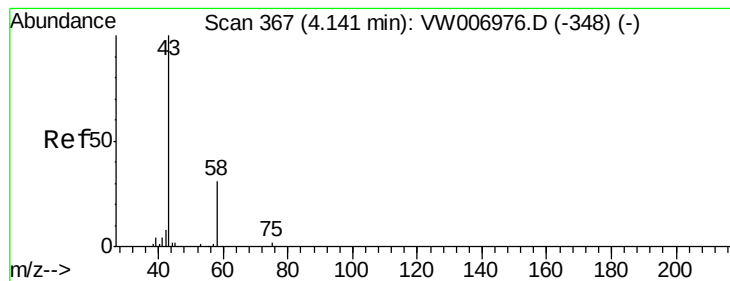
Ion Ratio Lower Upper

53 100

52 20.4 65.7 98.5#

51 61.7 29.9 44.9#





#16

Acetone

Concen: 154.448 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW006992.D

Acq: 20 Nov 2018 23:05

Instrument :

MSVOA_W

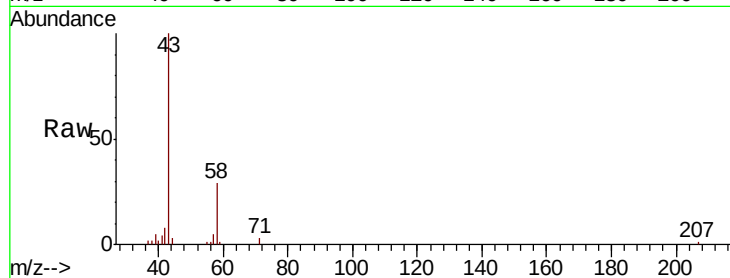
ClientSampleId :

Tot Ion: 43 Resp: 21627

Ion Ratio Lower Upper

43 100

58 28.9 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

8000

6000

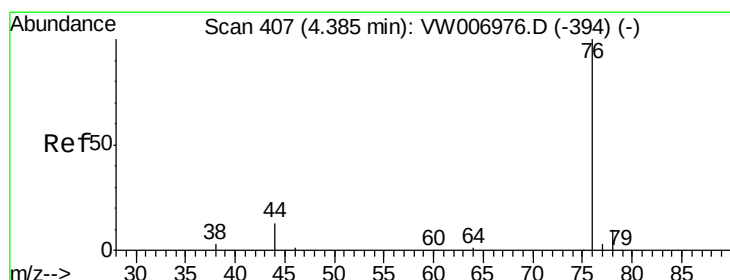
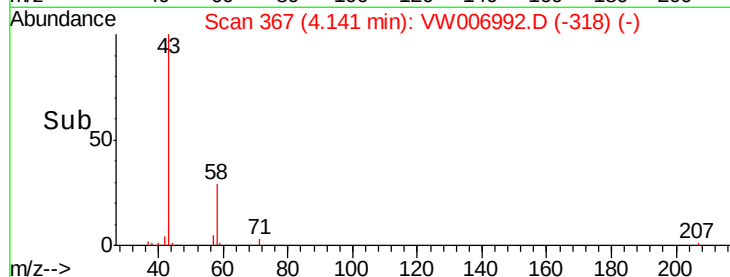
4000

2000

0

Time-->

4.00 4.10 4.20 4.30



#17

Carbon Disulfide

Concen: 9.539 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW006992.D

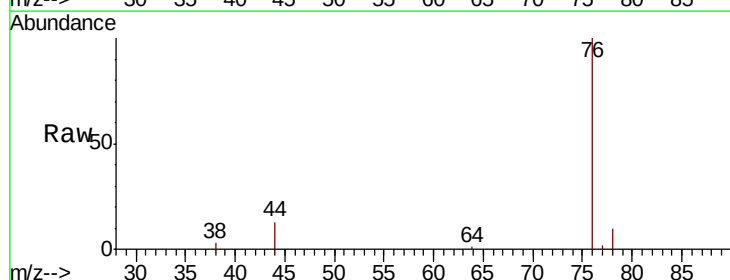
Acq: 20 Nov 2018 23:05

Tgt Ion: 76 Resp: 27499

Ion Ratio Lower Upper

76 100

78 9.8 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

10000

8000

6000

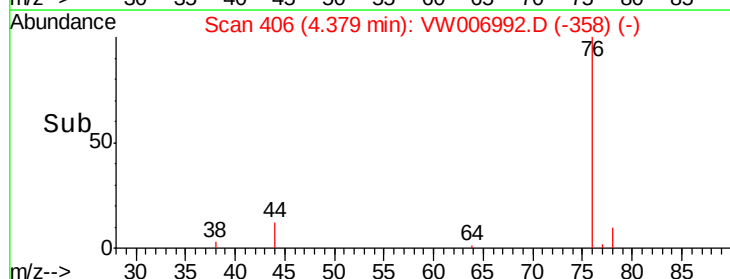
4000

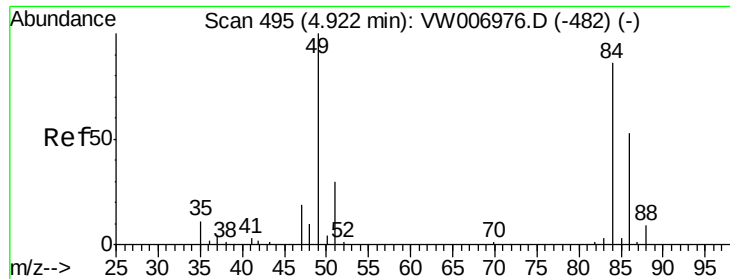
2000

0

Time-->

4.30 4.40 4.50

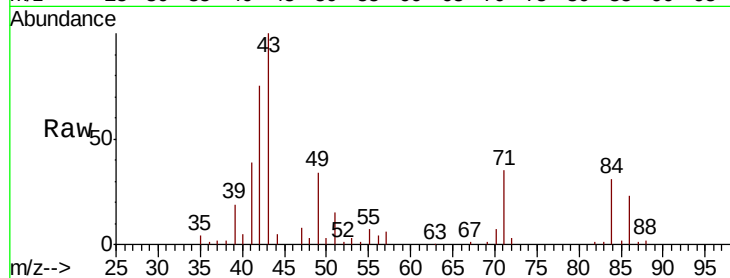




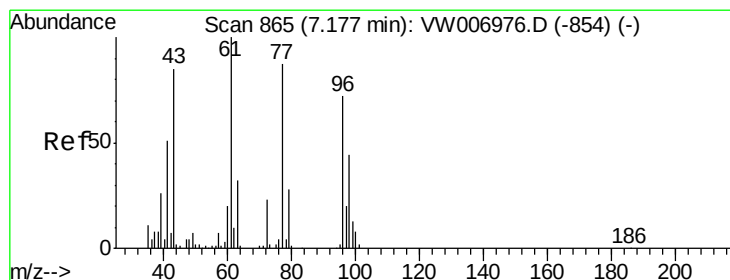
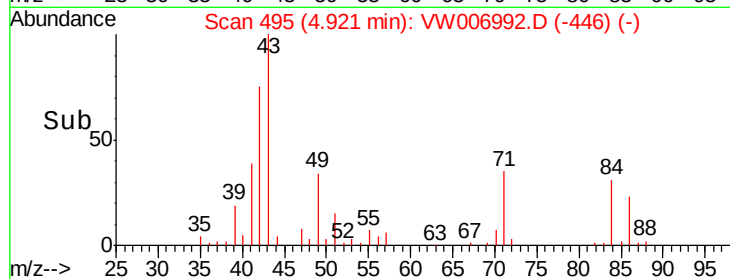
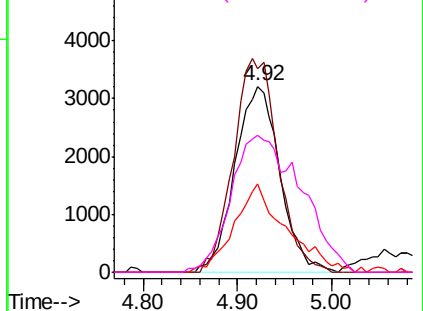
#20
Methylene Chloride
Concen: 4.708 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 10712
Ion Ratio Lower Upper
84 100
49 109.5 93.4 140.0
51 47.2 28.4 42.6#
86 71.2 49.8 74.8

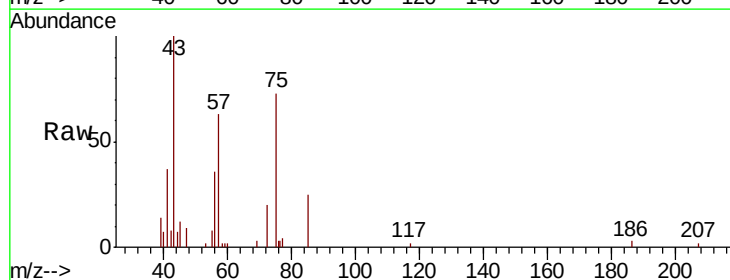


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

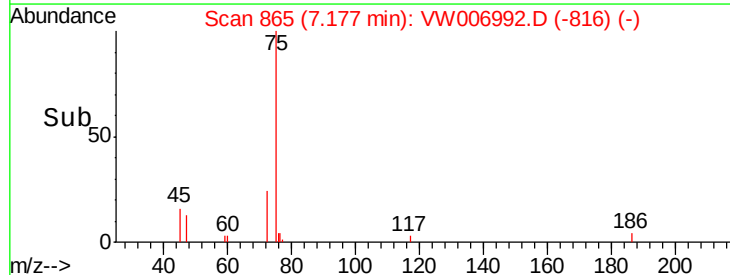
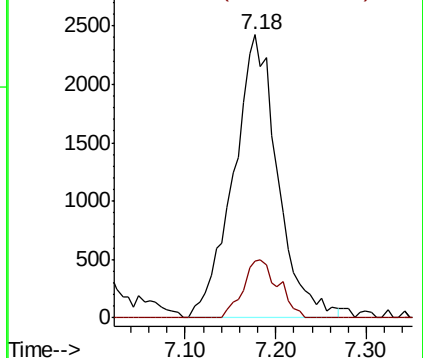


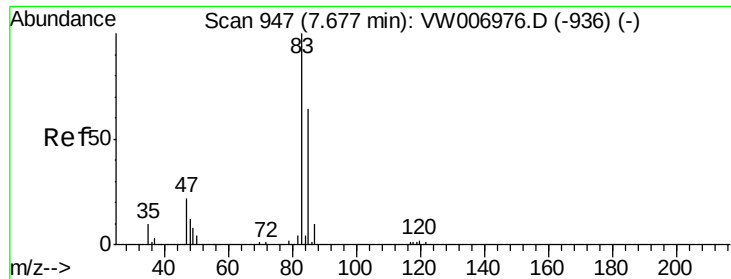
#25
2-Butanone
Concen: 34.299 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.00 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

Tgt Ion: 43 Resp: 8226
Ion Ratio Lower Upper
43 100
72 20.1 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

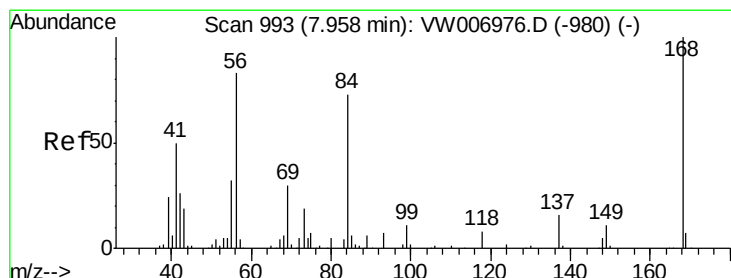
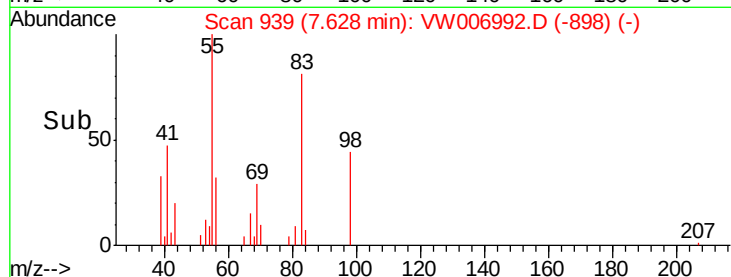
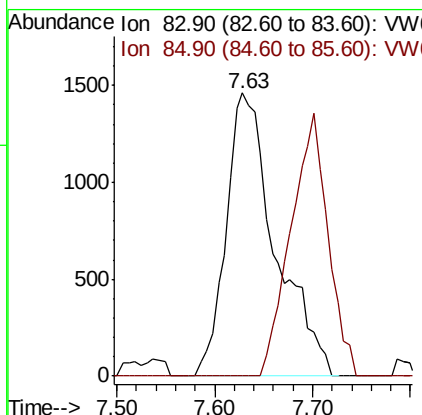
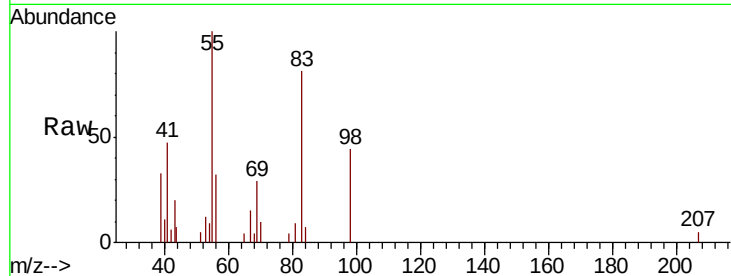




#30
Chloroform
Concen: 2.748 ug/l
RT: 7.63 min Scan# 939
Delta R.T. -0.05 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

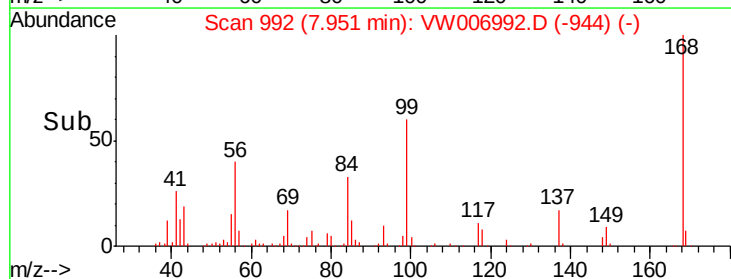
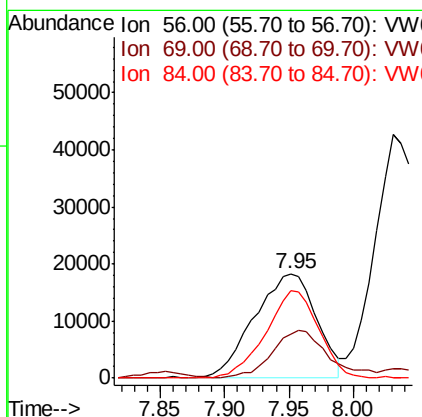
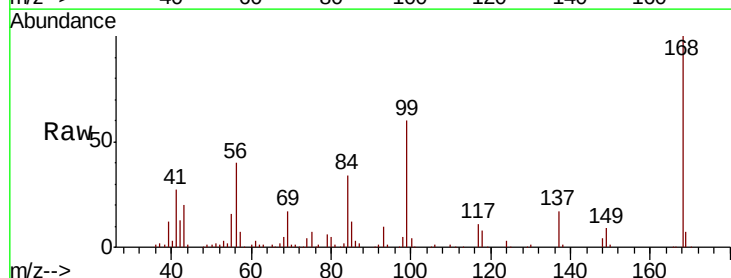
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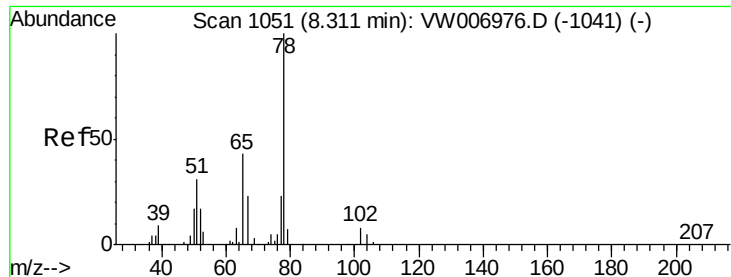
Tot Ion: 83 Resp: 5112
Ion Ratio Lower Upper
83 100
85 0.0 50.9 76.3#



#31
Cyclohexane
Concen: 32.410 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

Tgt Ion: 56 Resp: 60200
Ion Ratio Lower Upper
56 100
69 39.7 29.1 43.7
84 84.9 70.6 105.8

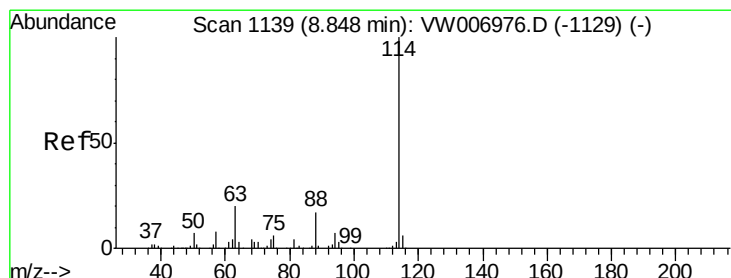
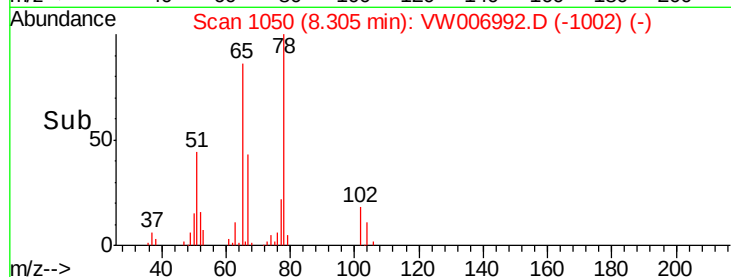
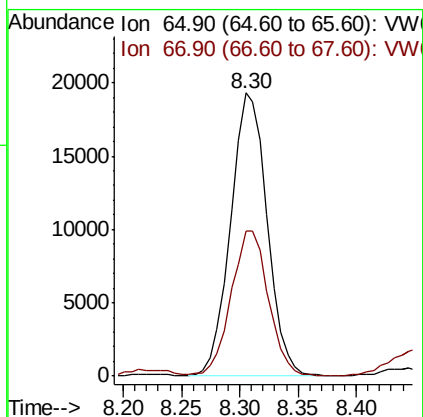
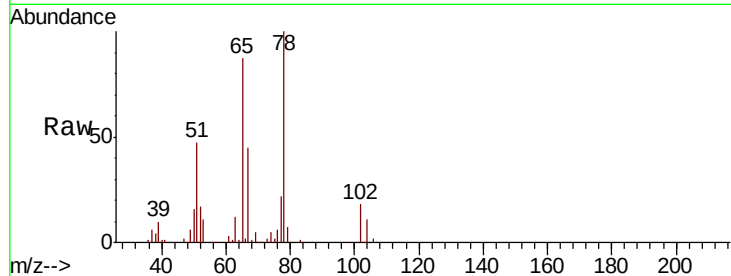




#33
 1,2-Dichloroethane-d4
 Concen: 43.776 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

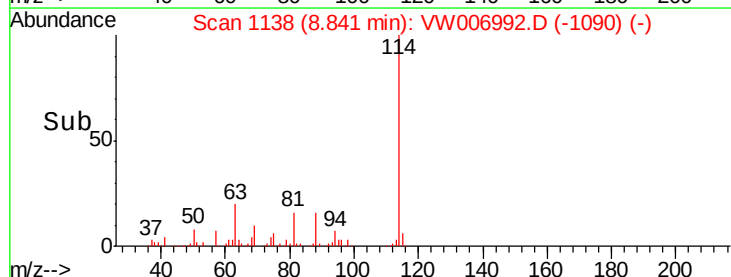
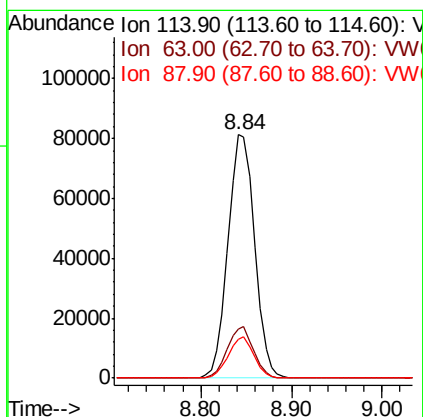
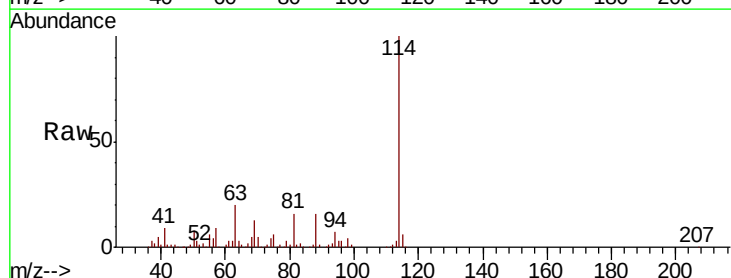
Instrument :
 MSVOA_W
 ClientSampleId :

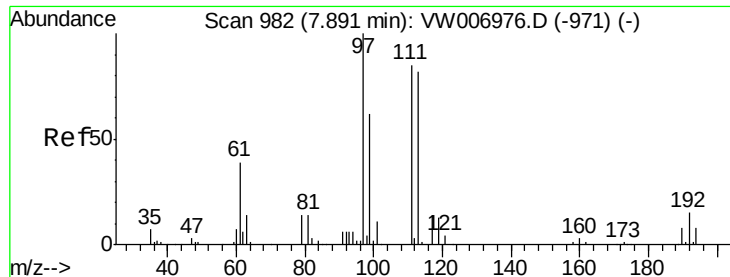
Tot Ion: 65 Resp: 42220
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

Tgt Ion: 114 Resp: 165969
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.4
 88 16.2 0.0 34.2

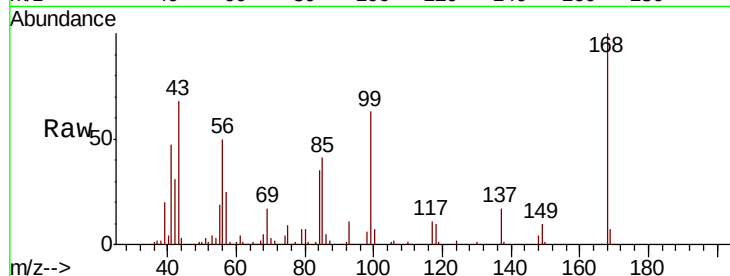




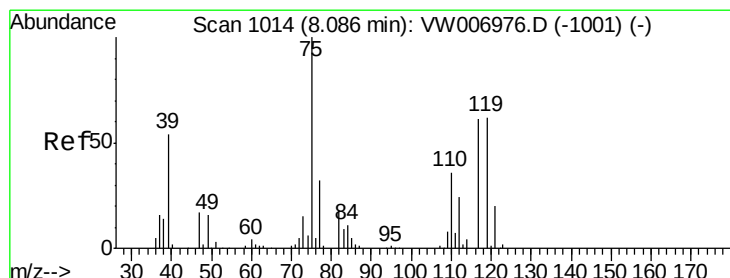
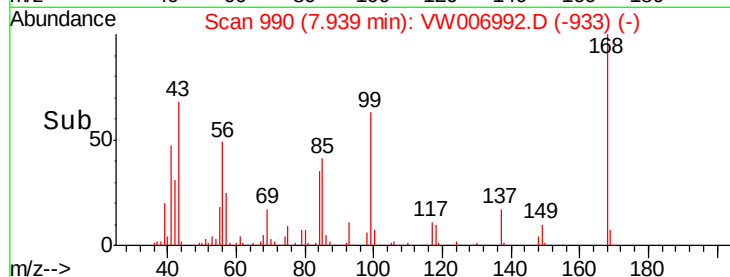
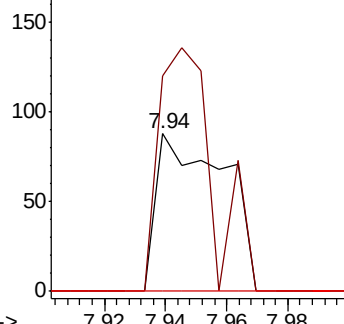
#35
 Dibromofluoromethane
 Concen: 0.144 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. 0.05 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:113 Resp: 135
 Ion Ratio Lower Upper
 113 100
 111 122.2 81.0 121.6#
 192 0.0 15.0 22.6#

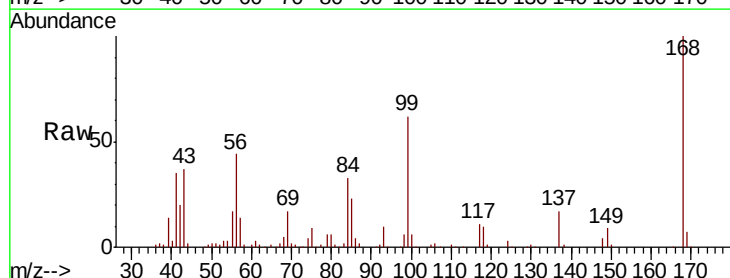


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

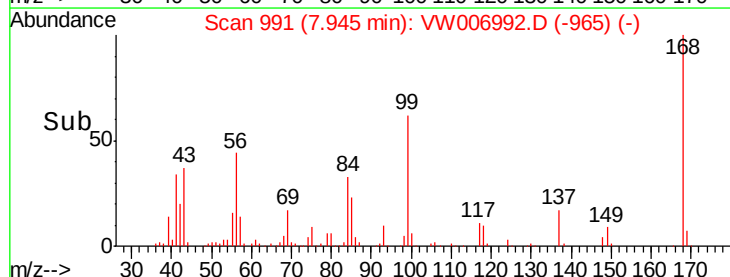
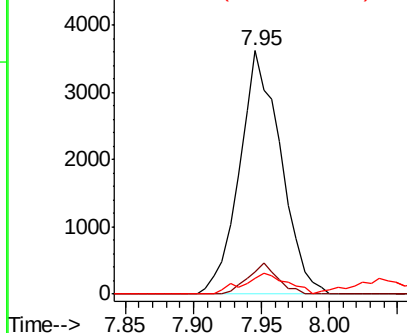


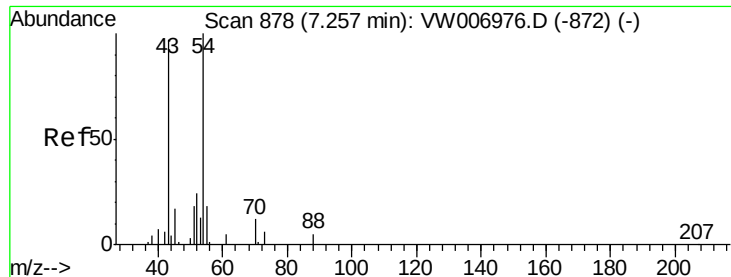
#36
 1,1-Dichloropropene
 Concen: 4.723 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

Tgt Ion: 75 Resp: 7660
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.0 54.0#
 77 0.0 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

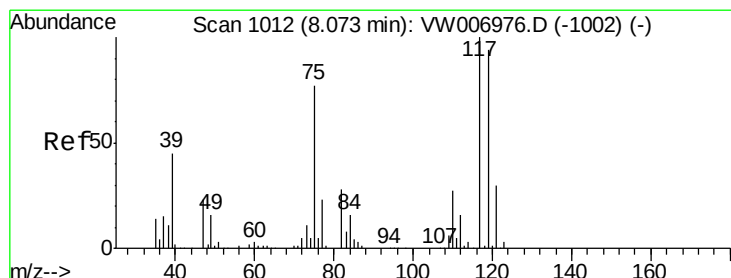
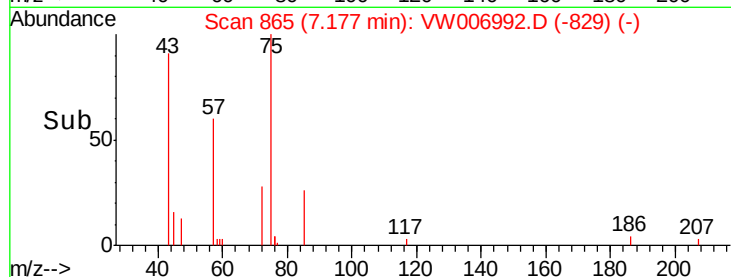
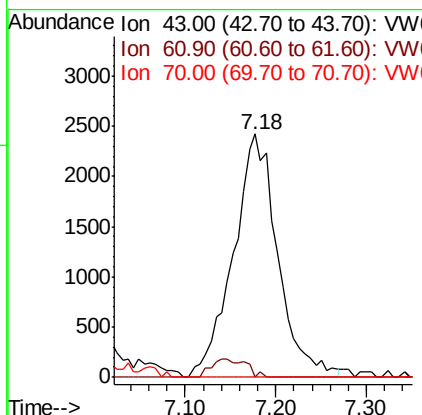
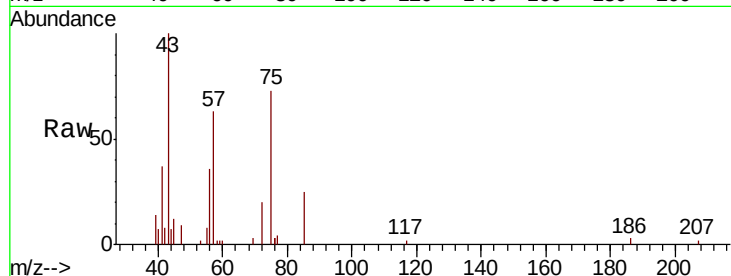




#37
Ethyl Acetate
Concen: 13.996 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.08 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

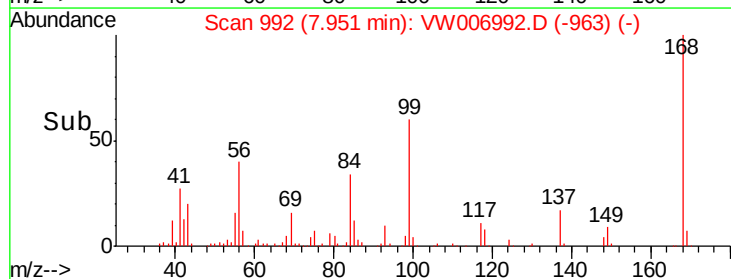
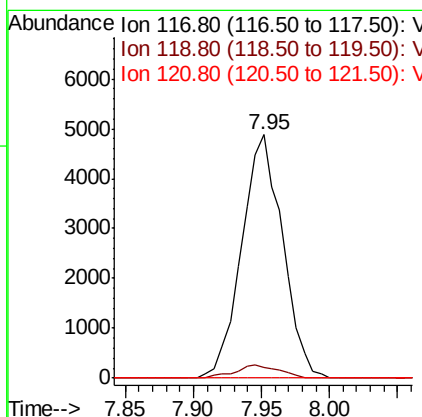
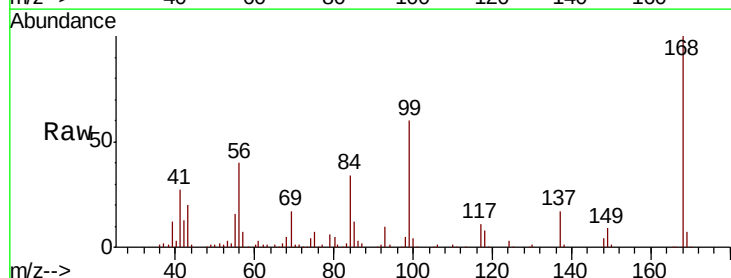
Instrument :
MSVOA_W
ClientSampleId :

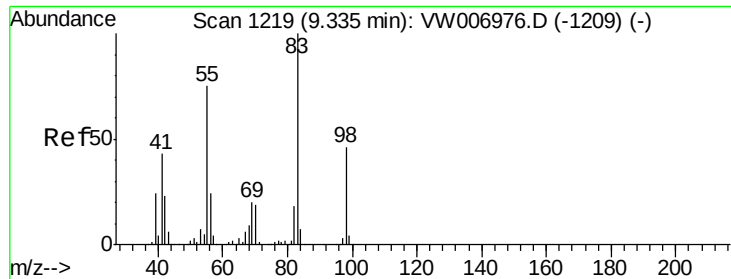
Tot Ion: 43 Resp: 8226
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 6.611 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

Tgt Ion: 117 Resp: 10267
Ion Ratio Lower Upper
117 100
119 4.2 74.9 112.3#
121 0.0 23.6 35.4#

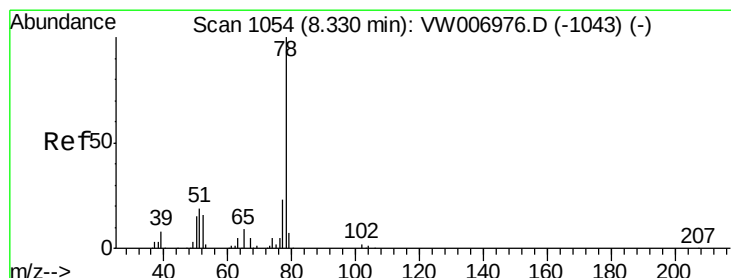
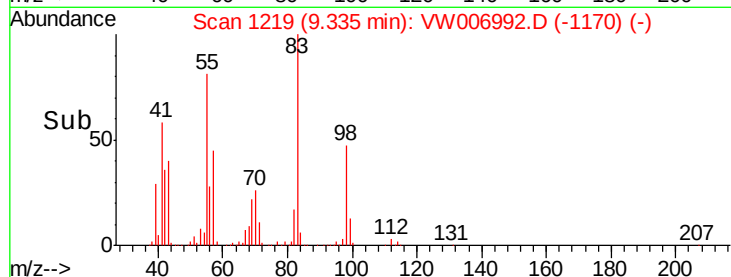
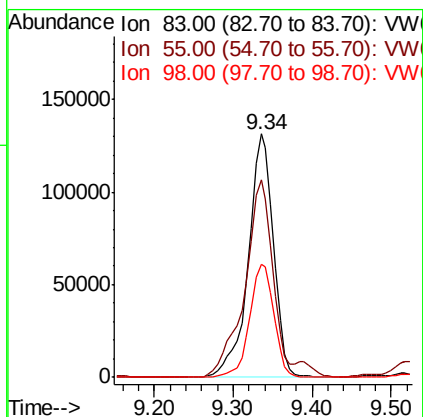
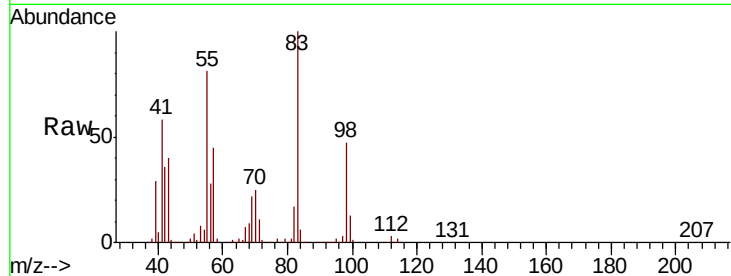




#39
Methylvlcyclohexane
Concen: 143.345 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

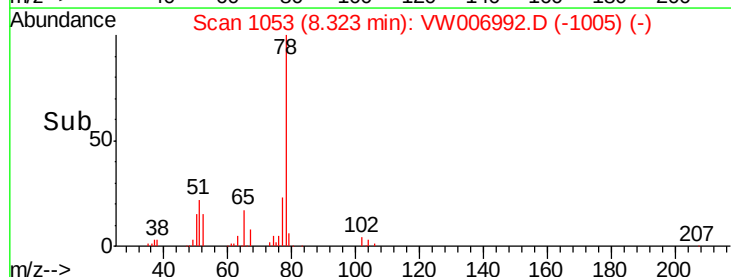
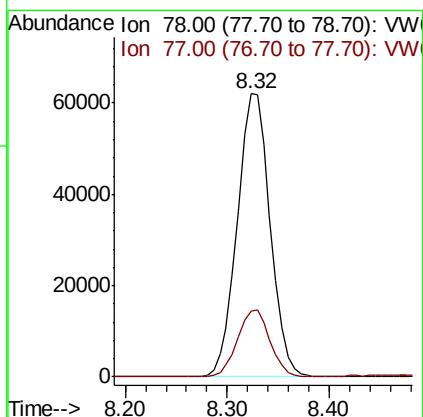
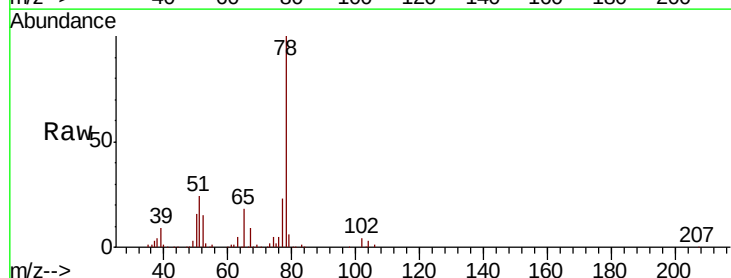
Instrument :
MSVOA_W
ClientSampleId :

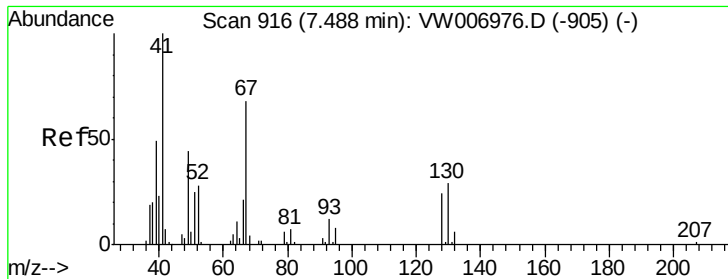
Tot Ion: 83 Resp: 290935
Ion Ratio Lower Upper
83 100
55 81.0 59.6 89.4
98 46.6 37.1 55.7



#40
Benzene
Concen: 31.687 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

Tgt Ion: 78 Resp: 138725
Ion Ratio Lower Upper
78 100
77 23.4 18.6 28.0





#41

Methacrylonitrile

Concen: 4.400 ug/l

RT: 7.52 min Scan# 922

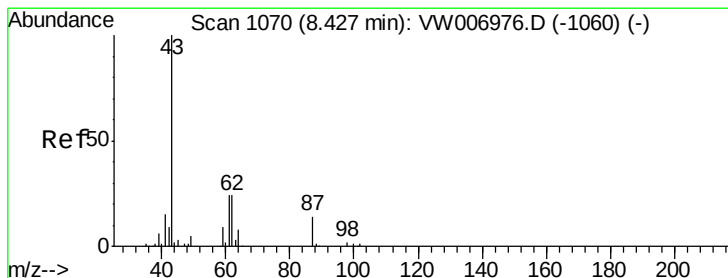
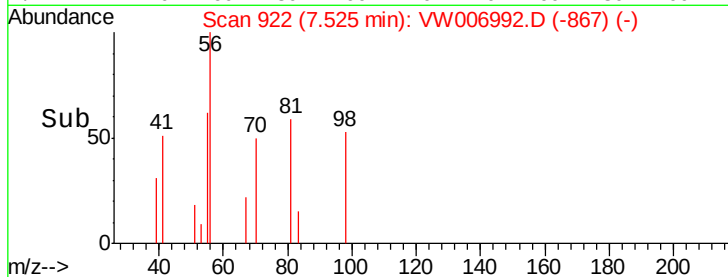
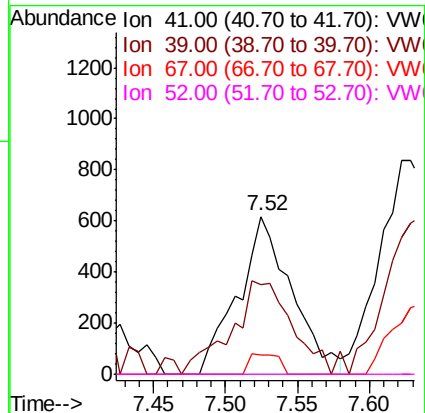
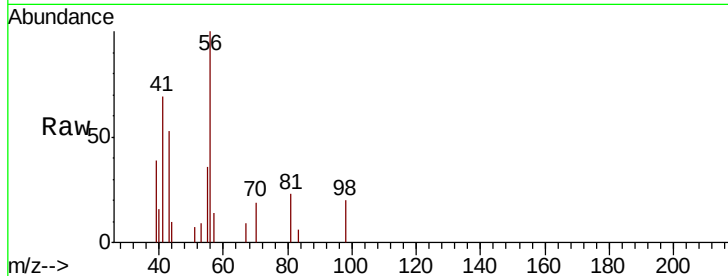
Delta R.T. 0.04 min

Lab File: VW006992.D

Acq: 20 Nov 2018 23:05

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	1606
Ion	Ratio	Lower	Upper
41	100		
39	65.9	48.6	73.0
67	0.0	59.8	89.8#
52	0.0	24.8	37.2#



#43

Isopropyl Acetate

Concen: 34.019 ug/l

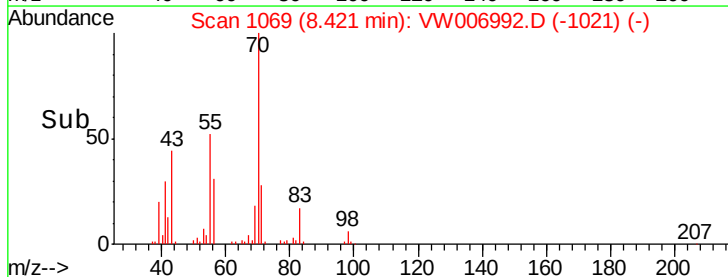
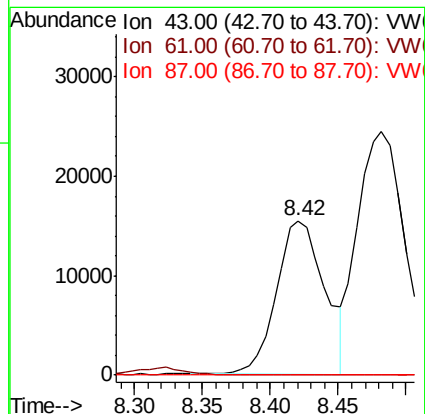
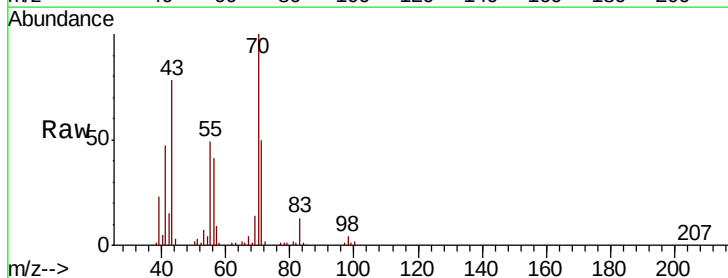
RT: 8.42 min Scan# 1069

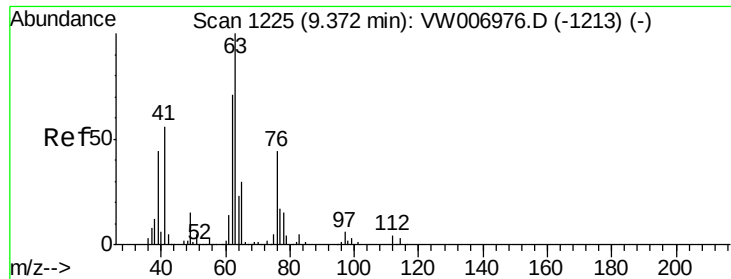
Delta R.T. -0.01 min

Lab File: VW006992.D

Acq: 20 Nov 2018 23:05

Tgt Ion:	43	Resp:	38101
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: 3.353 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.04 min

Lab File: VW006992.D

Acq: 20 Nov 2018 23:05

Instrument :

MSVOA_W

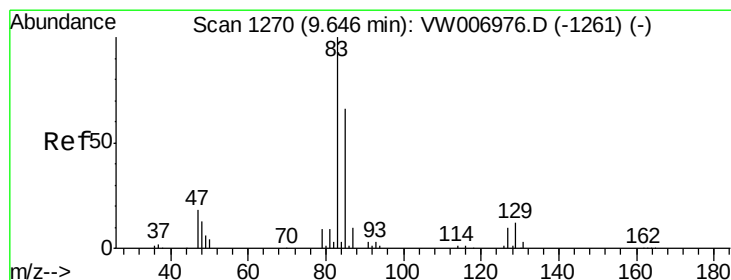
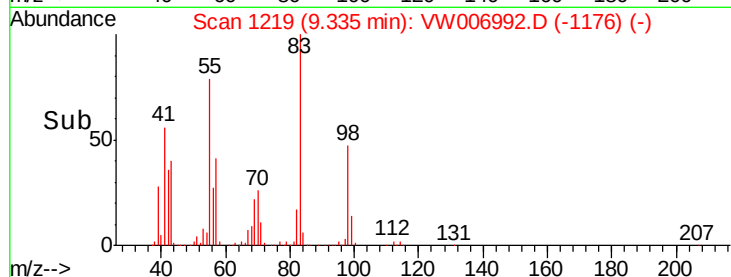
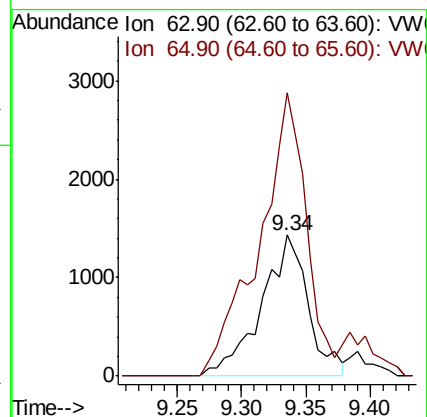
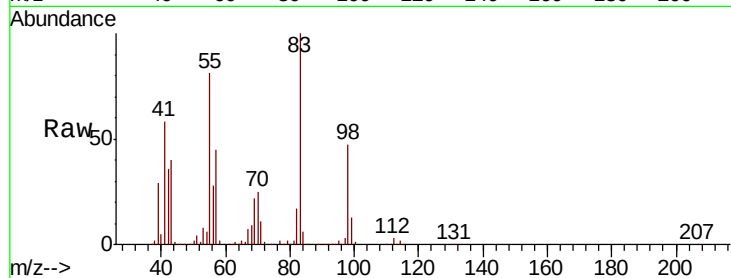
ClientSampleId :

Tot Ion: 63 Resp: 3619

Ion Ratio Lower Upper

63 100

65 200.6 24.4 36.6#



#47

Bromodichloromethane

Concen: 8.452 ug/l

RT: 9.62 min Scan# 1265

Delta R.T. -0.03 min

Lab File: VW006992.D

Acq: 20 Nov 2018 23:05

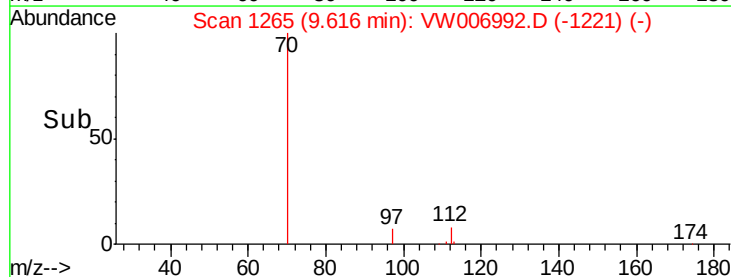
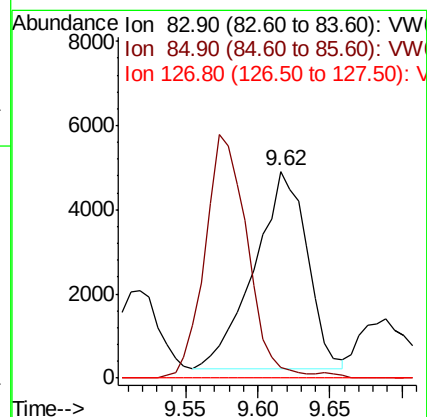
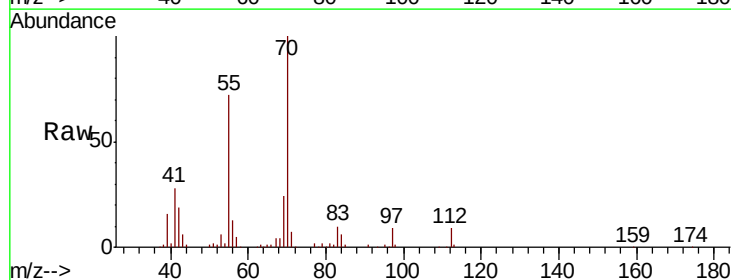
Tgt Ion: 83 Resp: 12035

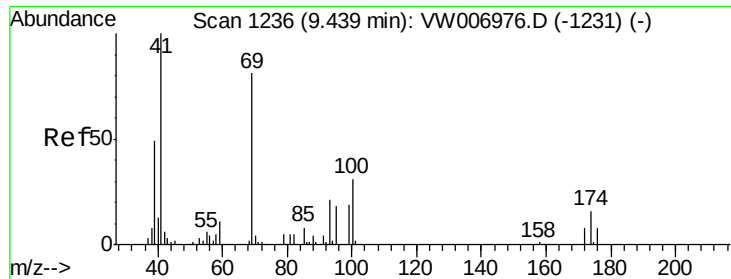
Ion Ratio Lower Upper

83 100

85 4.1 52.9 79.3#

127 0.0 7.8 11.6#

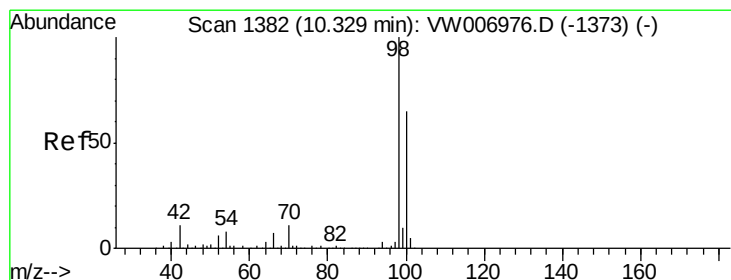
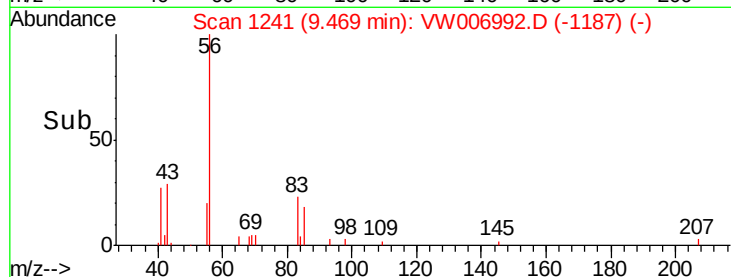
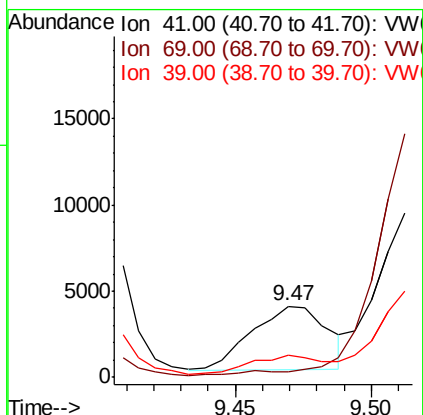
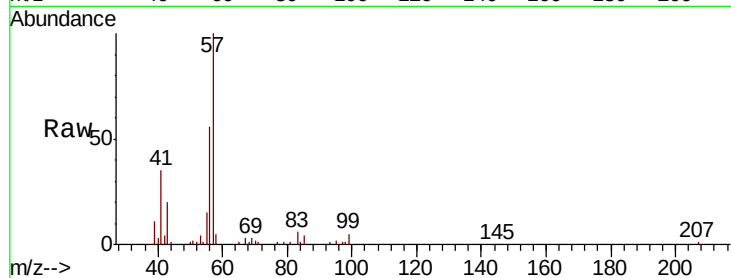




#48
Methvl methacrylate
Concen: 13.184 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.03 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

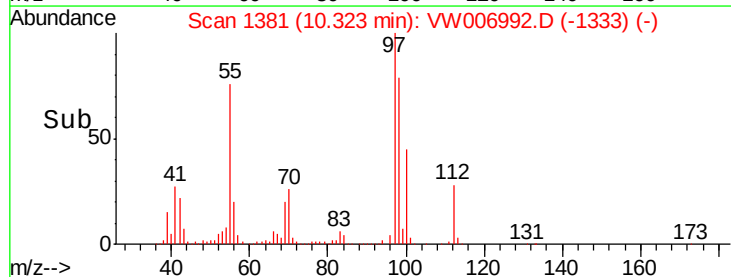
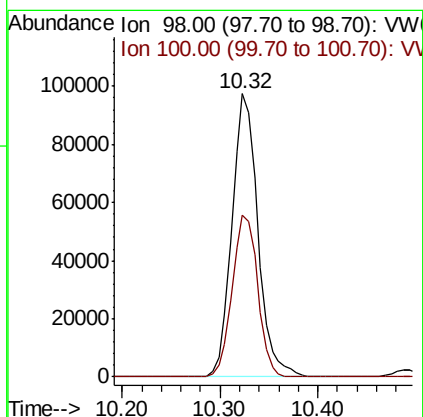
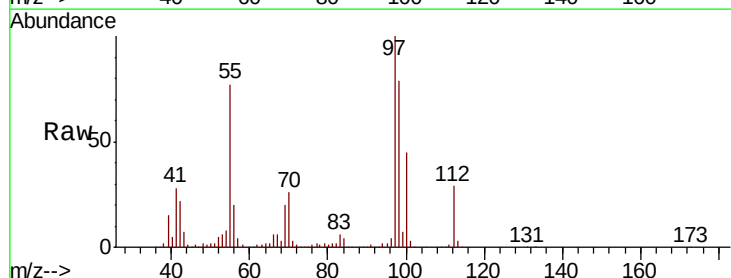
Instrument :
MSVOA_W
ClientSampleId :

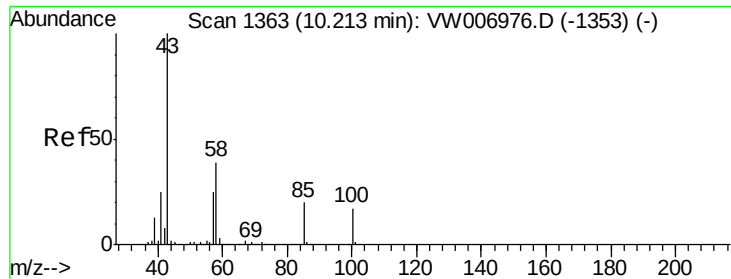
Tot Ion: 41 Resp: 7120
Ion Ratio Lower Upper
41 100
69 0.0 71.4 107.0#
39 0.0 44.8 67.2#



#50
Toluene-d8
Concen: 43.269 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

Tgt Ion: 98 Resp: 179083
Ion Ratio Lower Upper
98 100
100 56.1 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 28.527 ug/l

RT: 10.25 min Scan# 1369

Delta R.T. 0.04 min

Lab File: VW006992.D

Acq: 20 Nov 2018 23:05

Instrument :

MSVOA_W

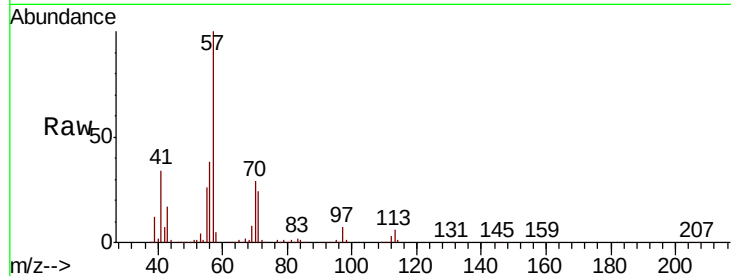
ClientSampleId :

Tot Ion: 43 Resp: 16146

Ion Ratio Lower Upper

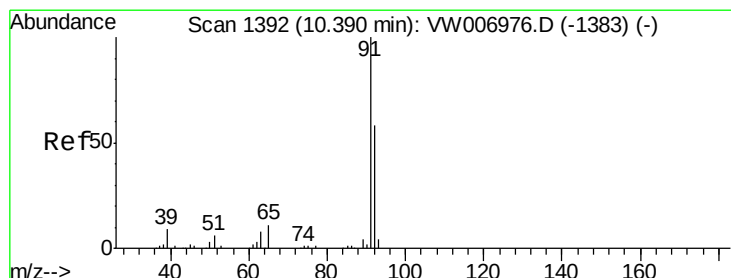
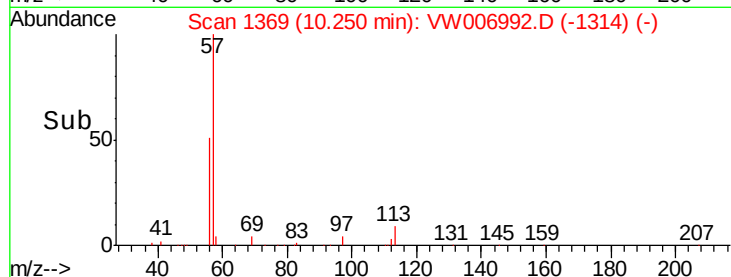
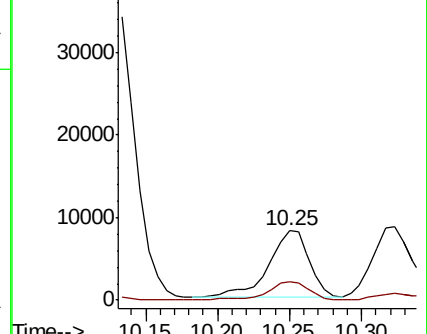
43 100

58 27.8 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 2.795 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006992.D

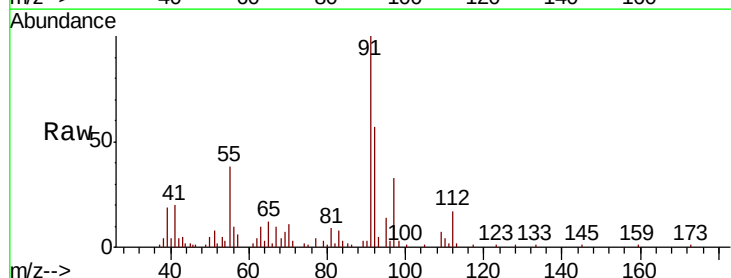
Acq: 20 Nov 2018 23:05

Tgt Ion: 92 Resp: 8328

Ion Ratio Lower Upper

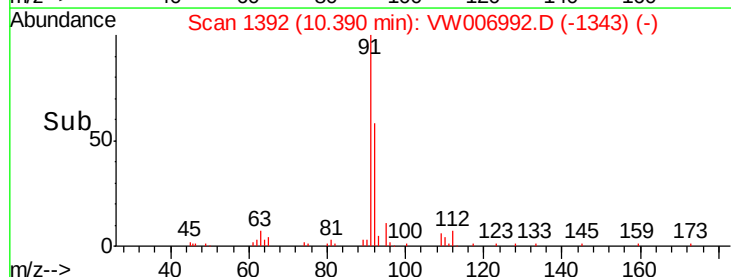
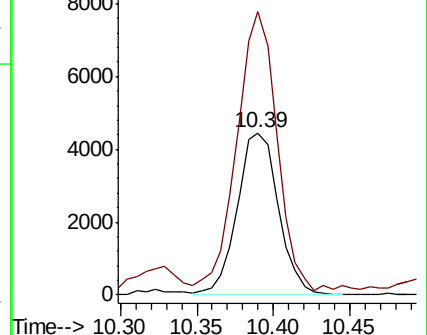
92 100

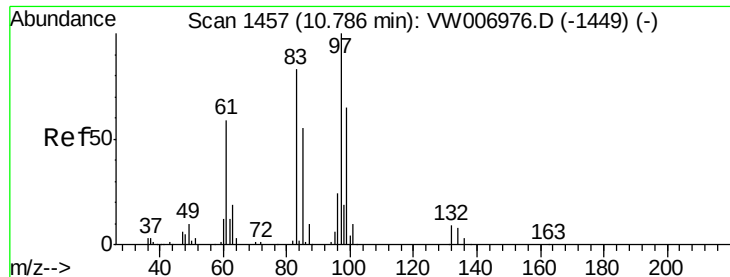
91 165.8 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

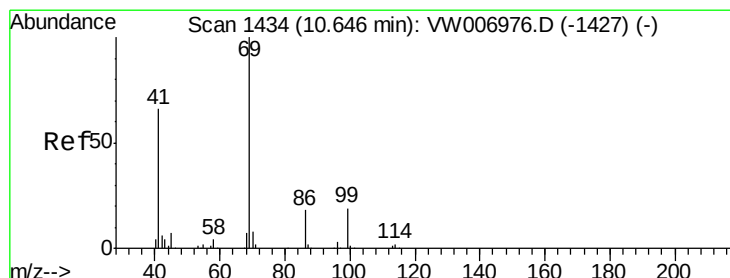
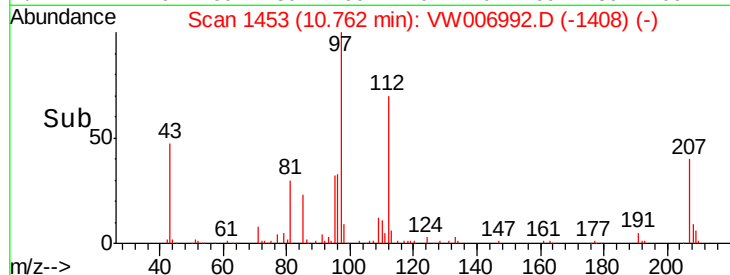
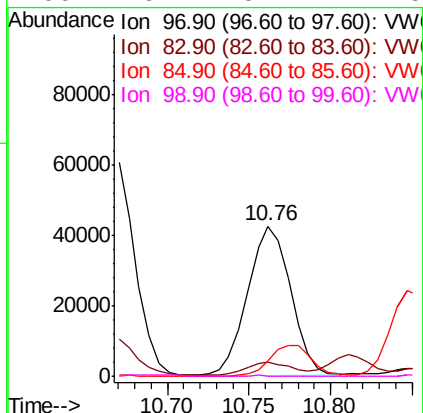
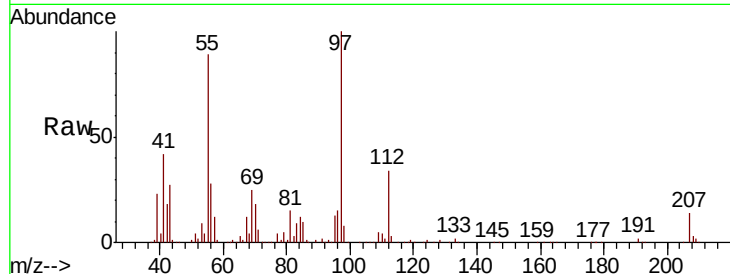




#55
 1,1,2-Trichloroethane
 Concen: 98.954 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

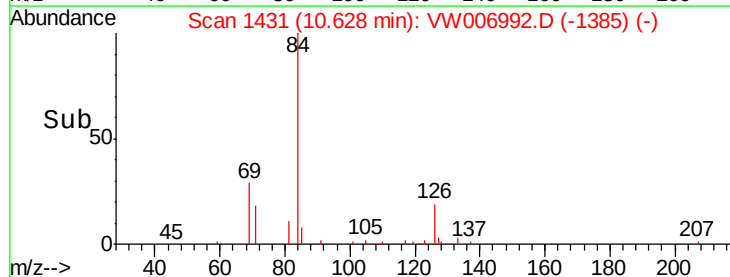
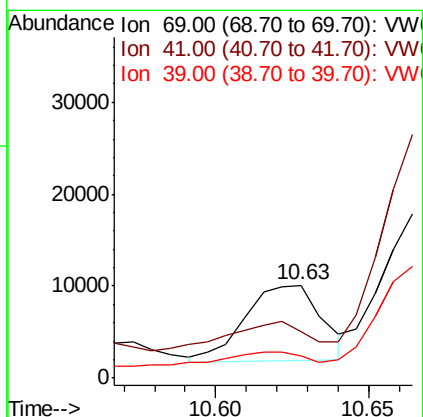
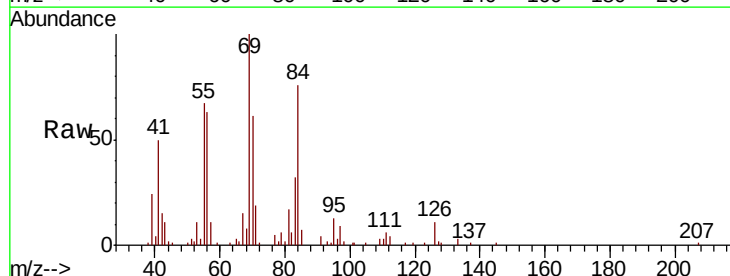
Instrument :
 MSVOA_W
 ClientSampleId :

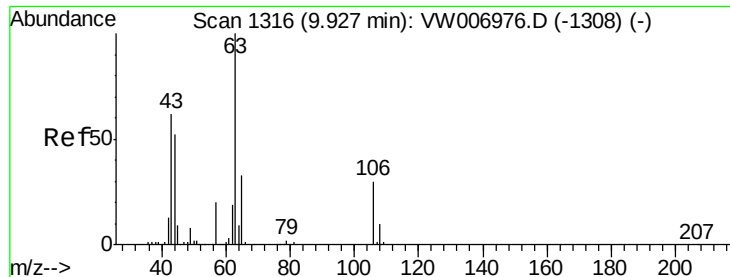
Tot Ion:	97	Resp:	78682
Ion	Ratio	Lower	Upper
97	100		
83	8.2	66.4	99.6#
85	10.1	44.1	66.1#
99	0.4	51.7	77.5#



#56
 Ethyl methacrylate
 Concen: 15.652 ug/l
 RT: 10.63 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

Tgt Ion:	69	Resp:	14446
Ion	Ratio	Lower	Upper
69	100		
41	78.3	53.4	80.0
39	29.1	28.2	42.4

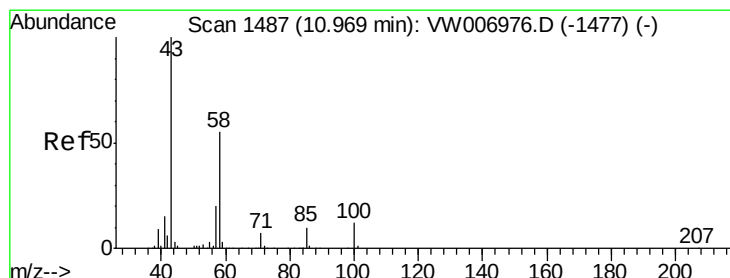
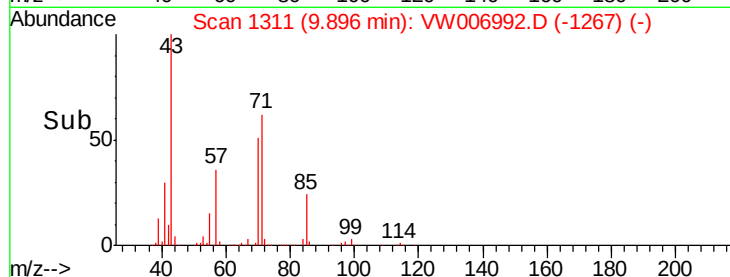
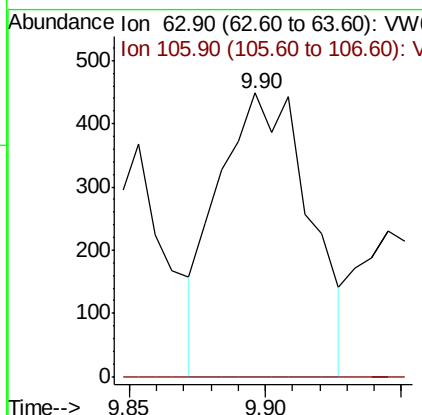
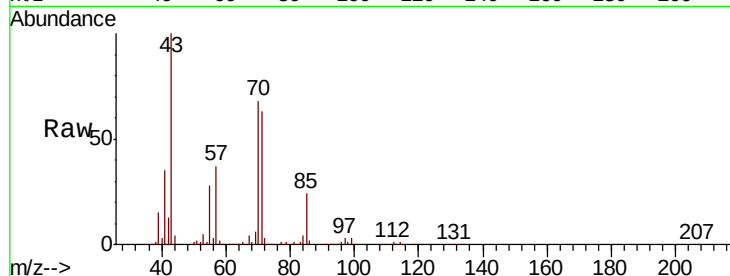




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.156 ug/l
 RT: 9.90 min Scan# 1311
 Delta R.T. -0.03 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

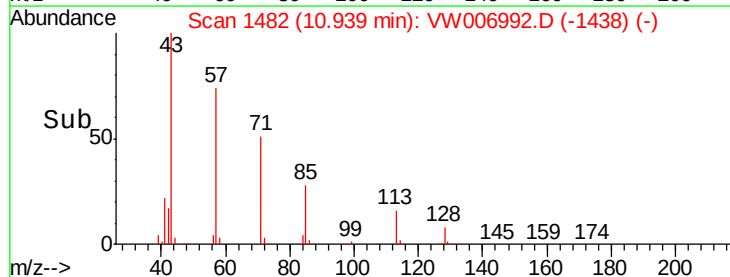
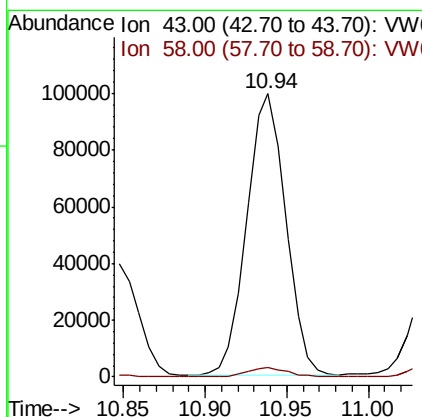
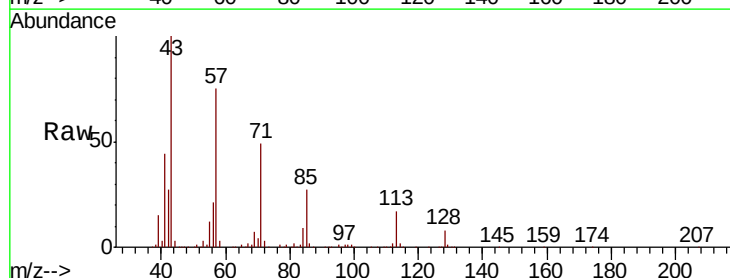
Instrument :
 MSVOA_W
 ClientSampled :

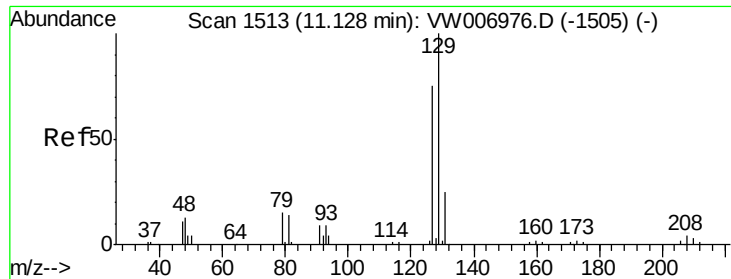
Tot Ion: 63 Resp: 1040
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.5 35.3#



#59
 2-Hexanone
 Concen: 427.849 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.03 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

Tgt Ion: 43 Resp: 165830
 Ion Ratio Lower Upper
 43 100
 58 3.7 27.3 81.8#





#60

Dibromochloromethane

Concen: 1.263 ug/l

RT: 11.04 min Scan# 1499

Delta R.T. -0.09 min

Lab File: VW006992.D

Acq: 20 Nov 2018 23:05

Instrument :

MSVOA_W

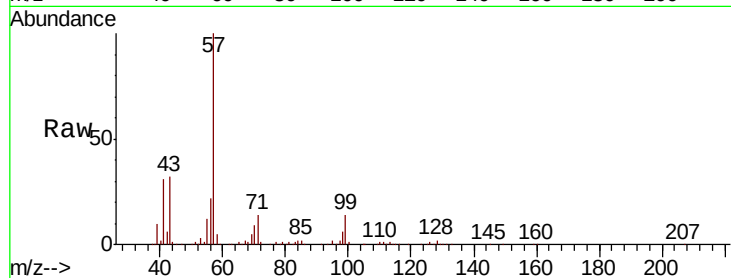
ClientSampled :

Tot Ion:129 Resp: 1144

Ion Ratio Lower Upper

129 100

127 56.9 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

800

600

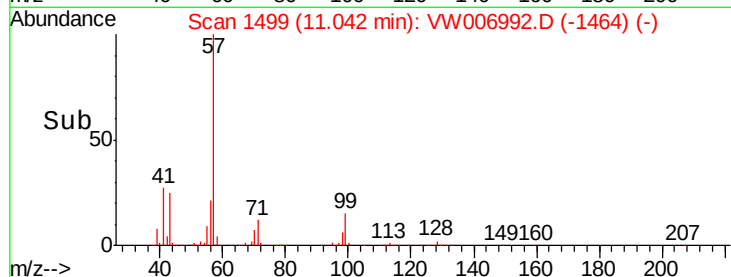
400

200

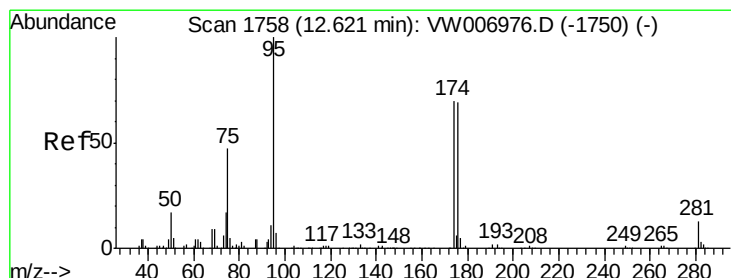
0

10.95 11.00 11.05 11.10

11.04



Time-->



#62

4-Bromofluorobenzene

Concen: 36.862 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006992.D

Acq: 20 Nov 2018 23:05

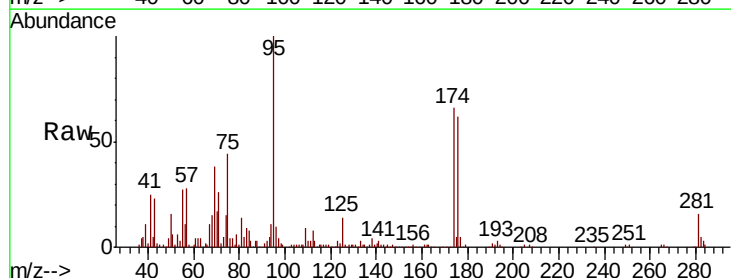
Tgt Ion: 95 Resp: 60037

Ion Ratio Lower Upper

95 100

174 63.1 0.0 143.6

176 61.1 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

50000

40000

30000

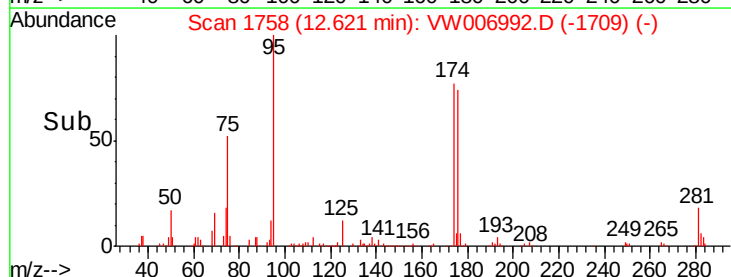
20000

10000

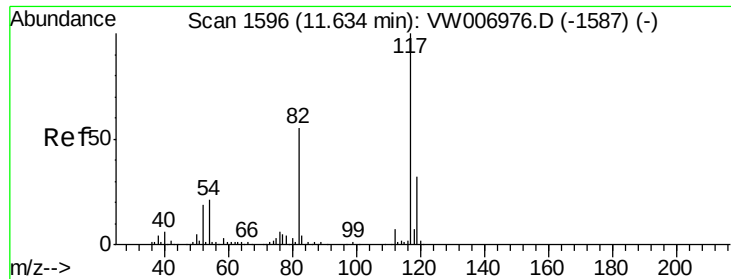
0

12.60 12.65

12.62



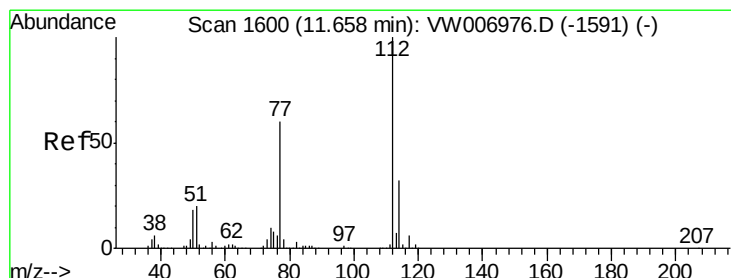
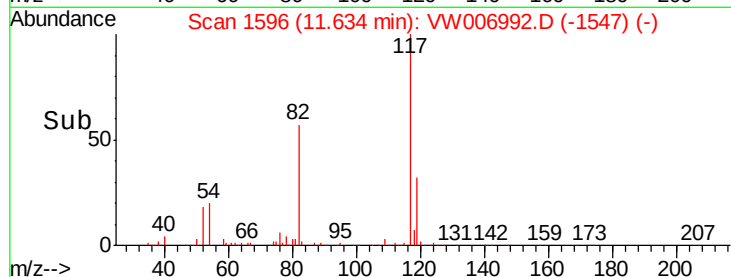
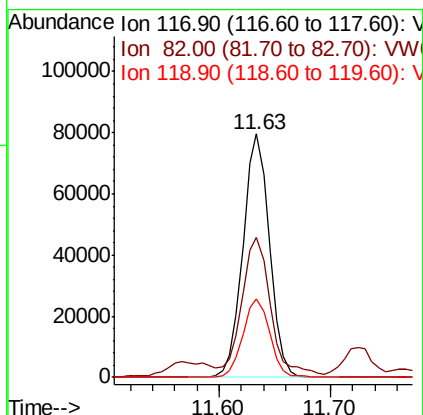
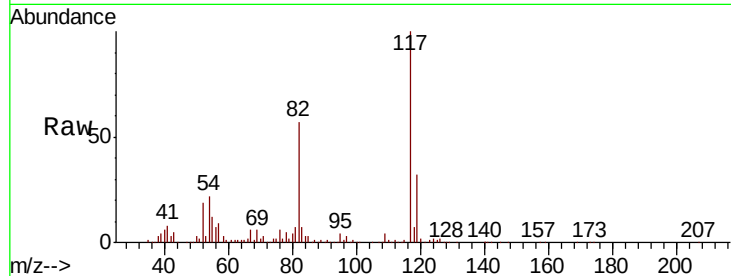
Time-->



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

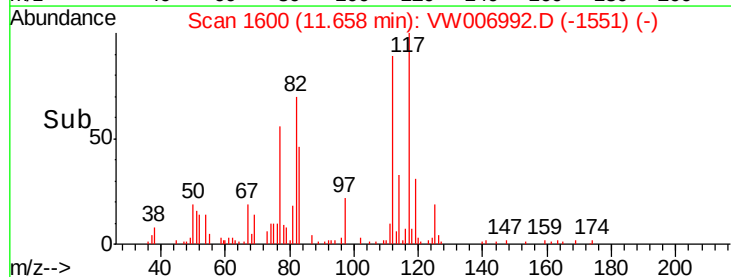
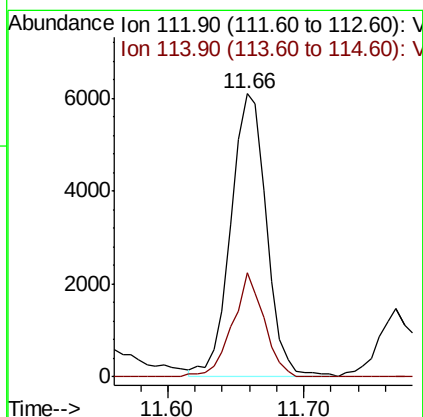
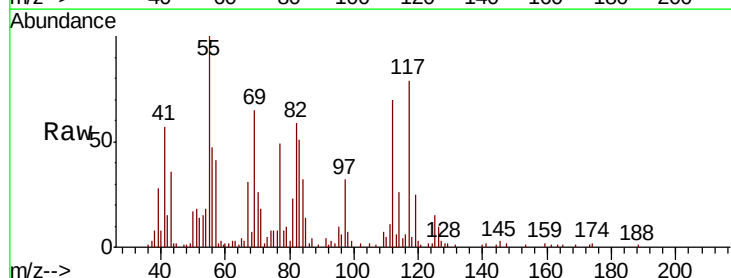
Instrument :
MSVOA_W
ClientSampleId :

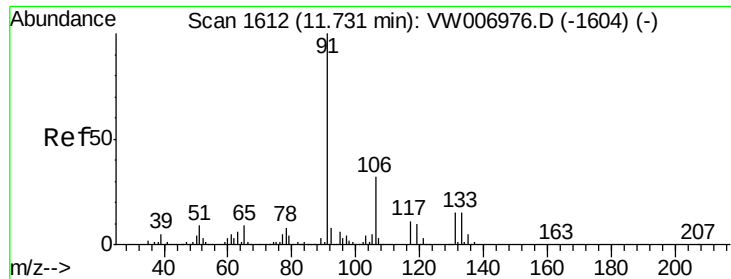
Tot Ion:117 Resp: 130850
Ion Ratio Lower Upper
117 100
82 53.3 44.2 66.2
119 31.9 25.9 38.9



#65
Chlorobenzene
Concen: 4.090 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

Tgt Ion:112 Resp: 11169
Ion Ratio Lower Upper
112 100
114 36.6 25.8 38.8

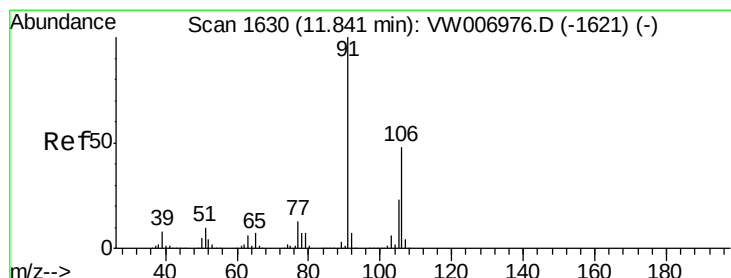
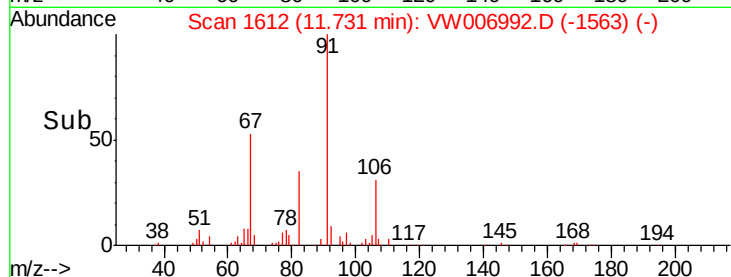
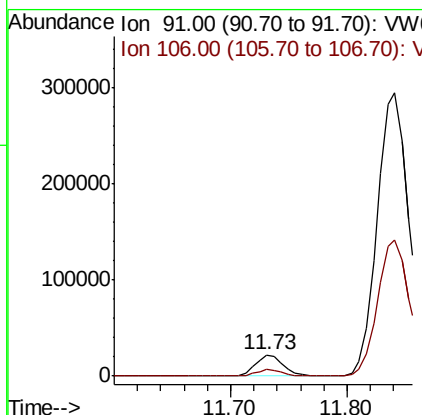
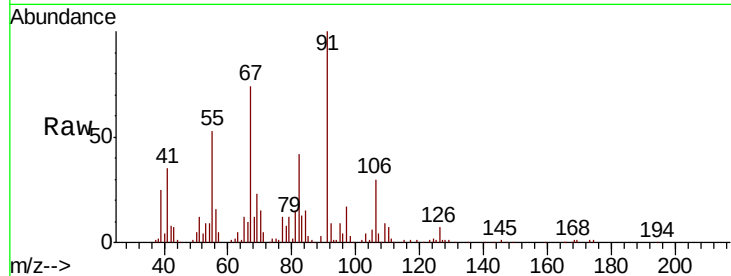




#67
Ethyl Benzene
Concen: 6.985 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

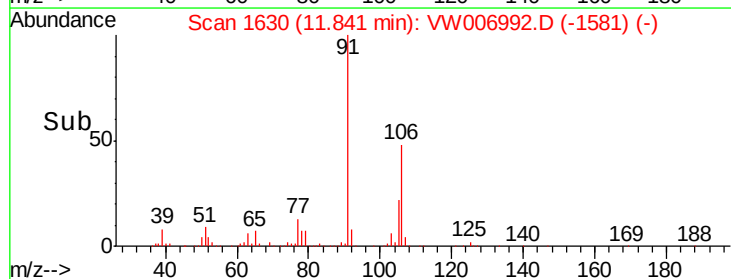
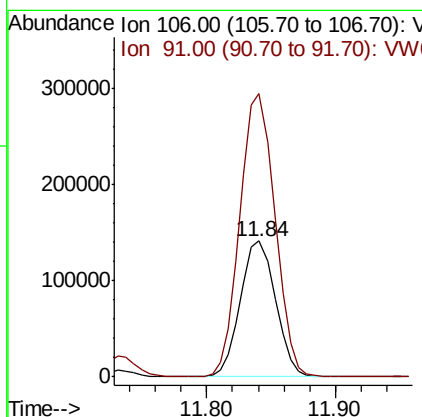
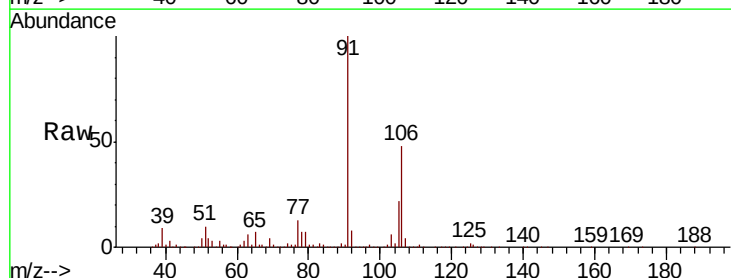
Instrument :
MSVOA_W
ClientSampled :

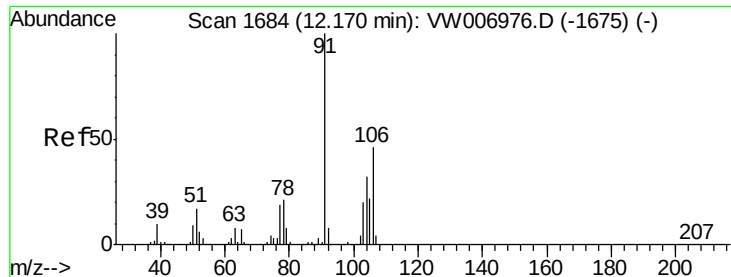
Tot Ion: 91 Resp: 35045
Ion Ratio Lower Upper
91 100
106 30.7 25.4 38.2



#68
m/p-Xylenes
Concen: 135.651 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

Tgt Ion: 106 Resp: 267008
Ion Ratio Lower Upper
106 100
91 208.1 164.8 247.2

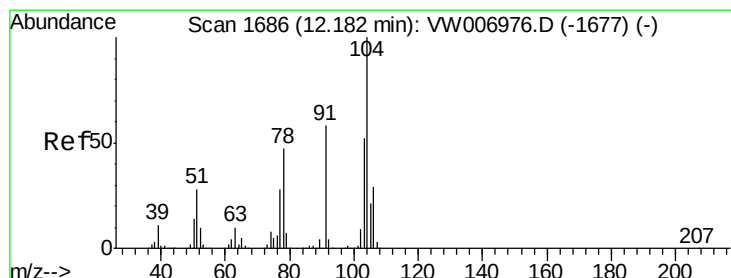
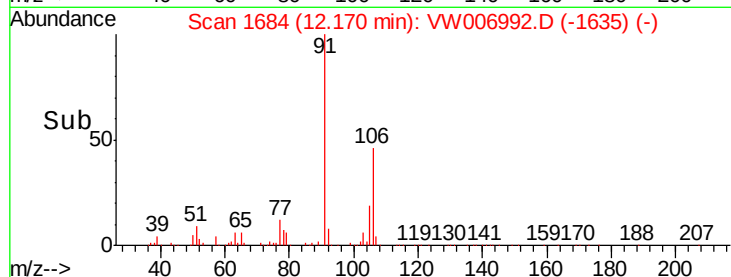
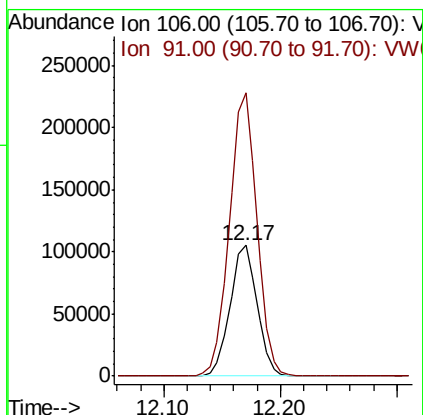
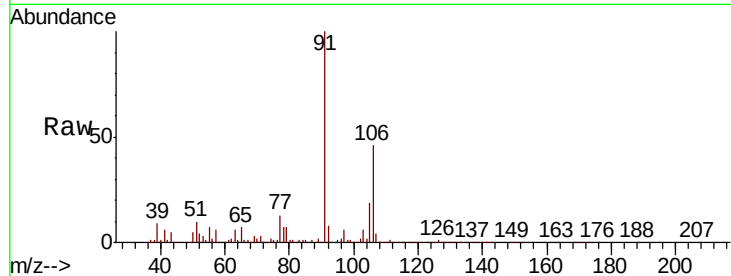




#69
o-Xylene
Concen: 91.764 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

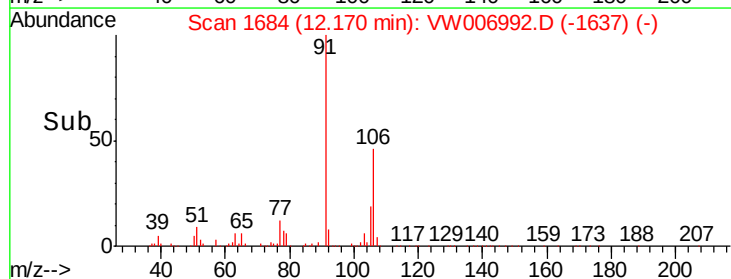
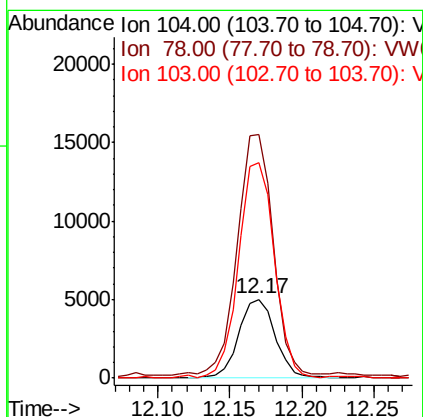
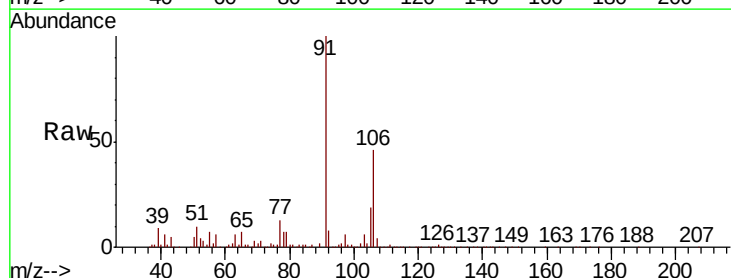
Instrument :
MSVOA_W
ClientSampled :

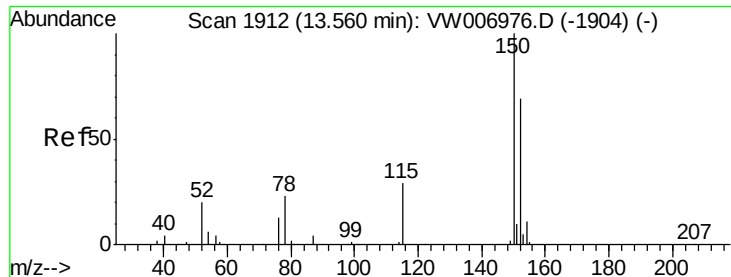
Tot Ion:106 Resp: 170313
Ion Ratio Lower Upper
106 100
91 218.4 107.9 323.8



#70
Styrene
Concen: 2.973 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.01 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

Tgt Ion:104 Resp: 8783
Ion Ratio Lower Upper
104 100
78 303.9 41.8 62.8#
103 271.3 44.4 66.6#

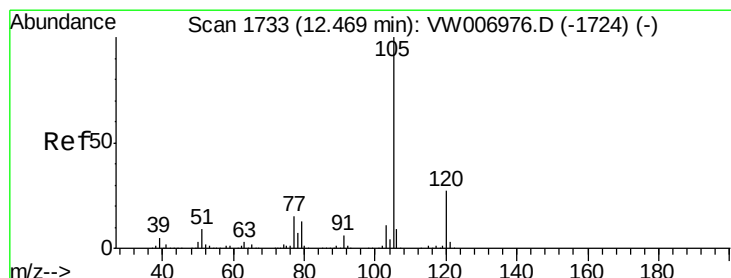
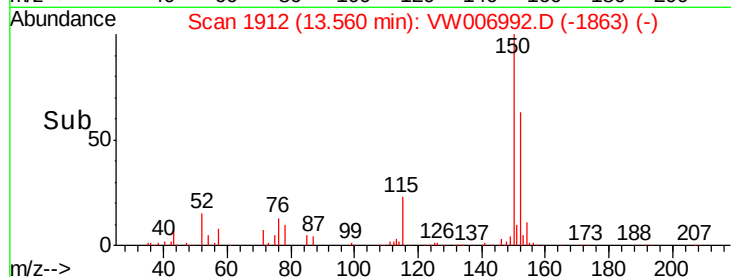
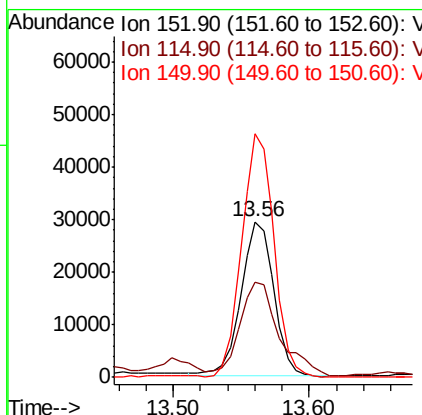
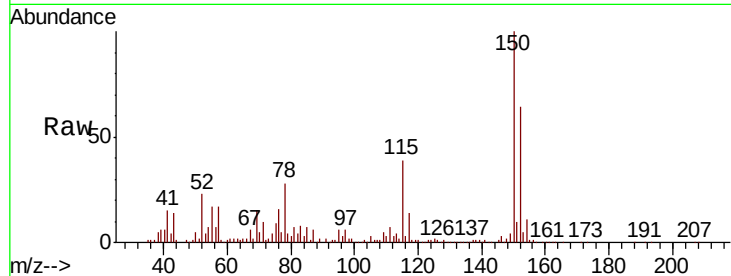




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

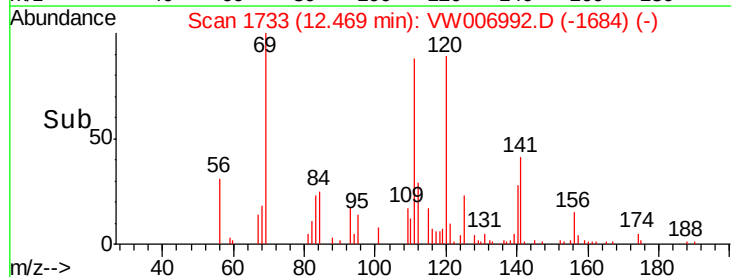
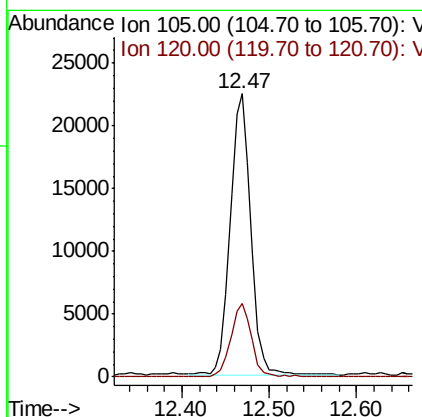
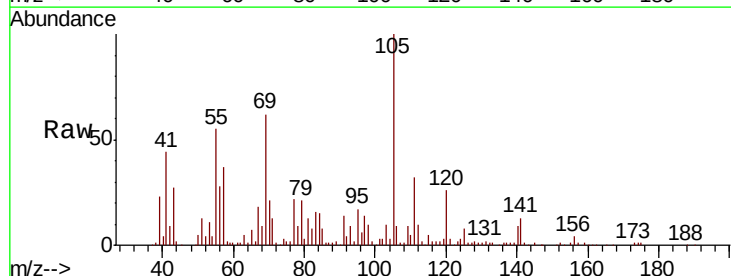
Instrument :
 MSVOA_W
 ClientSampleId :

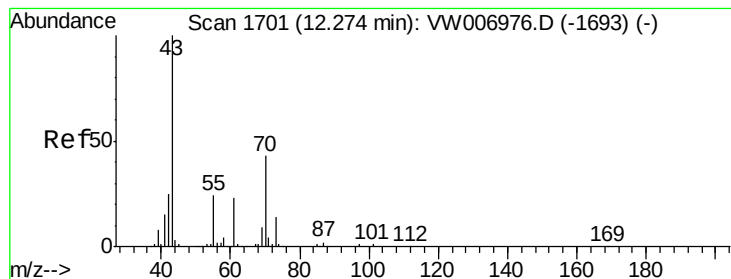
Tot Ion:152 Resp: 49847
 Ion Ratio Lower Upper
 152 100
 115 72.5 31.4 94.2
 150 154.6 0.0 353.4



#73
 Isopropylbenzene
 Concen: 9.465 ug/l
 RT: 12.47 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

Tgt Ion:105 Resp: 36669
 Ion Ratio Lower Upper
 105 100
 120 26.7 13.3 39.8





#74

N-amvl acetate

Concen: 126.083 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW006992.D

Acq: 20 Nov 2018 23:05

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 81864

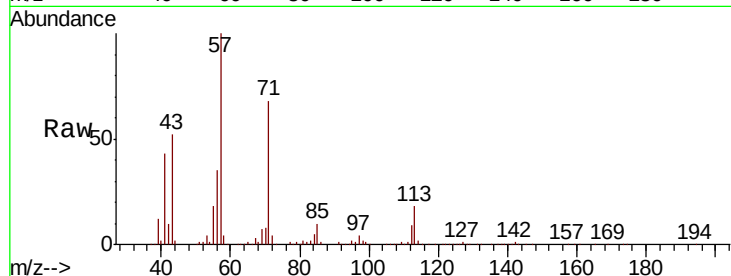
Ion Ratio Lower Upper

43 100

70 19.8 34.0 51.0#

55 0.0 19.4 29.0#

61 0.0 19.4 29.2#

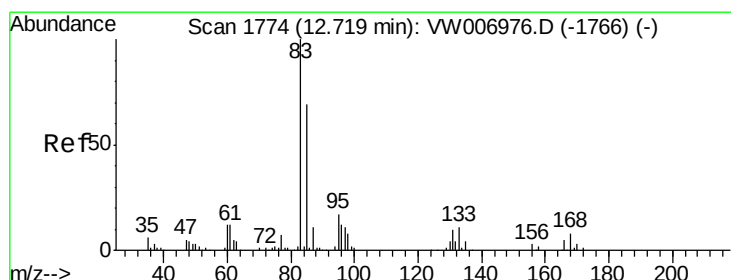
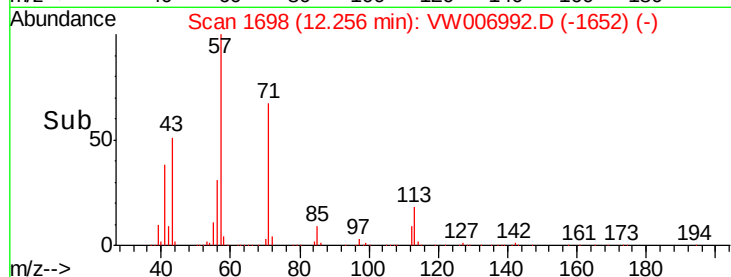
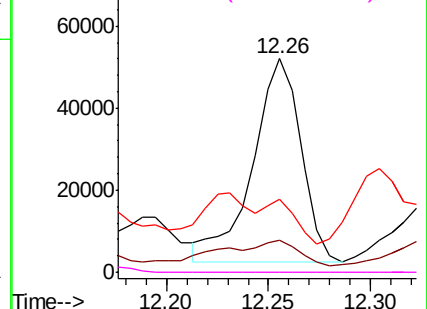


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#75

1,1,2,2-Tetrachloroethane

Concen: 12.774 ug/l

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

Lab File: VW006992.D

Acq: 20 Nov 2018 23:05

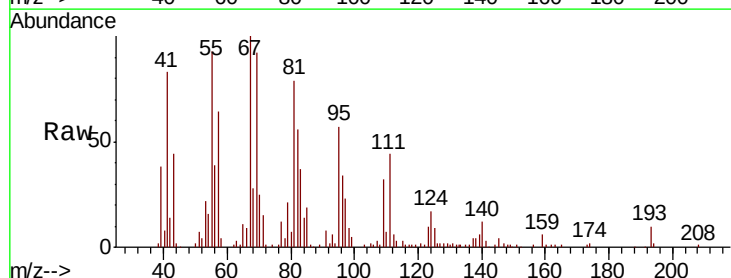
Tgt Ion: 83 Resp: 6586

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

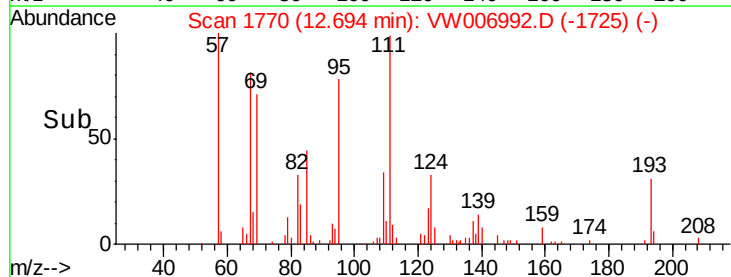
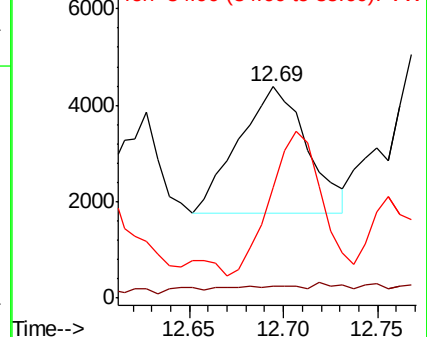
85 86.4 33.1 99.2

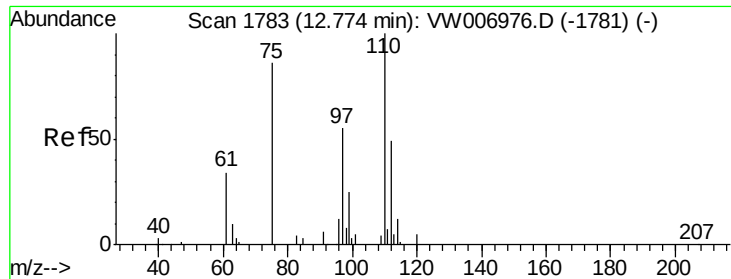


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

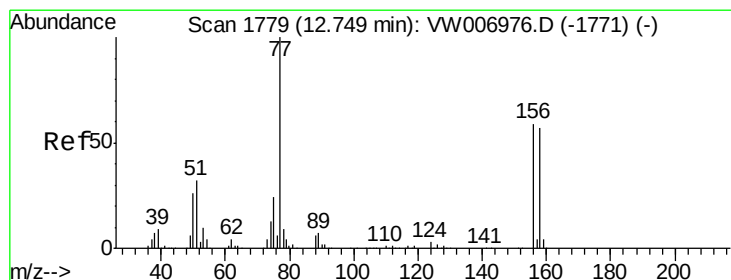
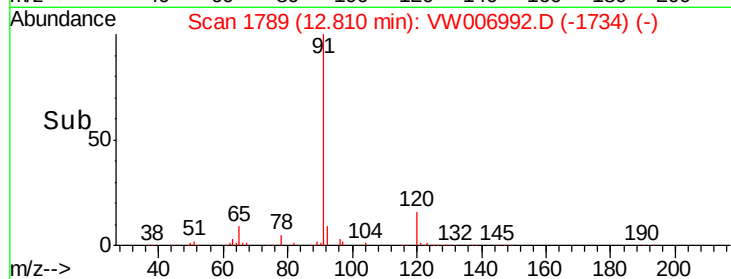
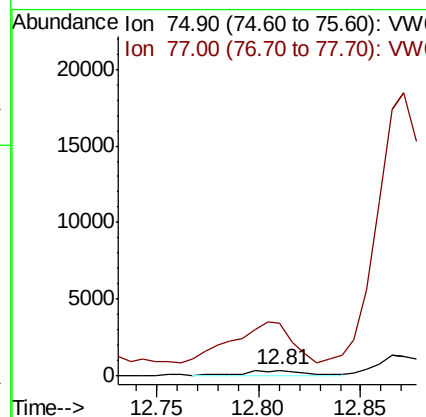
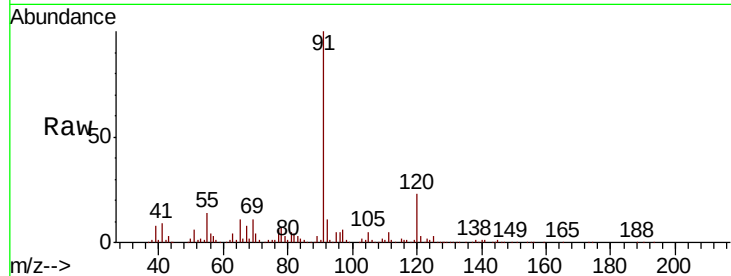




#76
 1,2,3-Trichloropropane
 Concen: 2.137 ug/l
 RT: 12.81 min Scan# 1789
 Delta R.T. 0.04 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

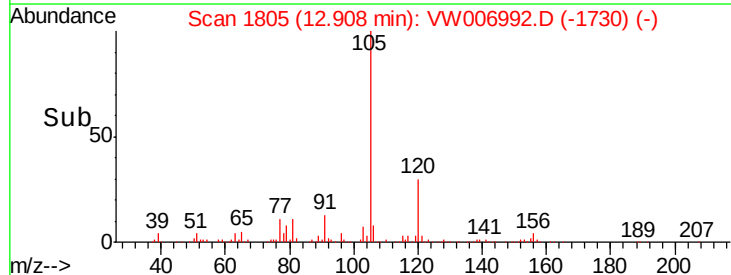
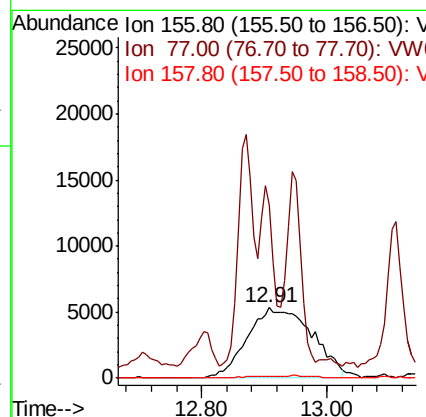
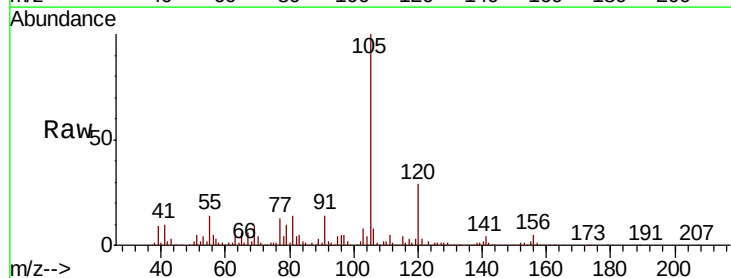
Instrument :
 MSVOA_W
 ClientSampled :

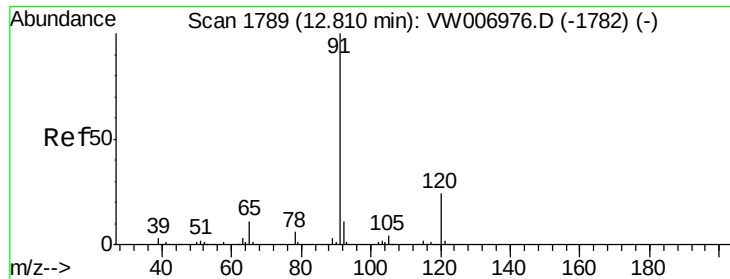
Tot Ion: 75 Resp: 837
 Ion Ratio Lower Upper
 75 100
 77 627.7 0.0 0.0#



#77
 Bromobenzene
 Concen: 45.692 ug/l
 RT: 12.91 min Scan# 1805
 Delta R.T. 0.16 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

Tgt Ion: 156 Resp: 38019
 Ion Ratio Lower Upper
 156 100
 77 49.8 94.6 283.8#
 158 0.6 48.9 146.7#

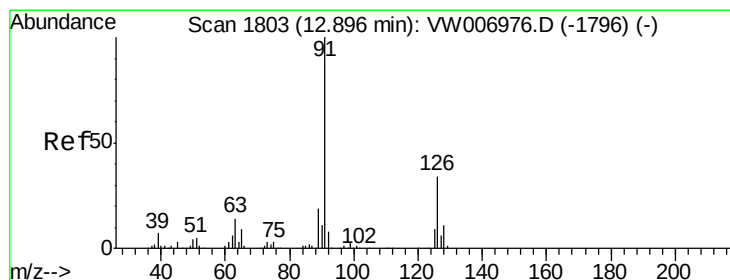
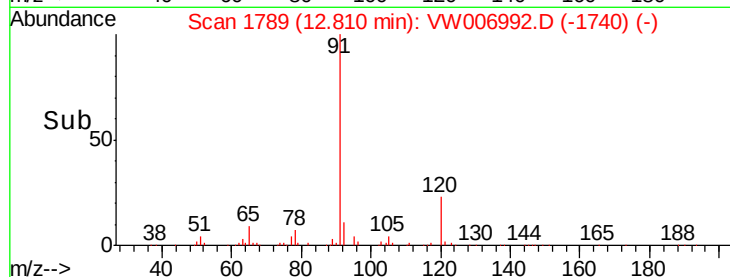
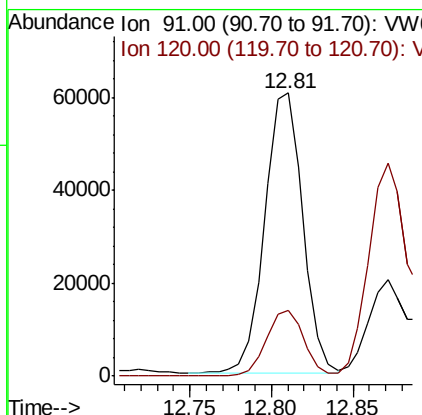
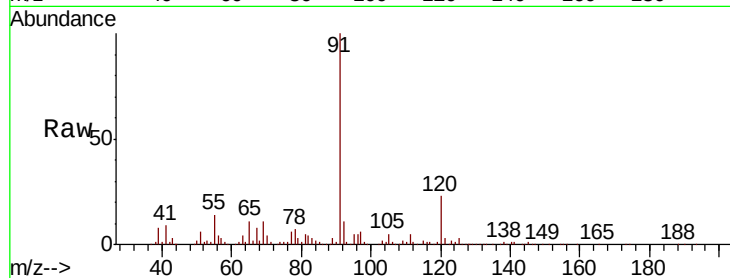




#78
n-propylbenzene
Concen: 20.932 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

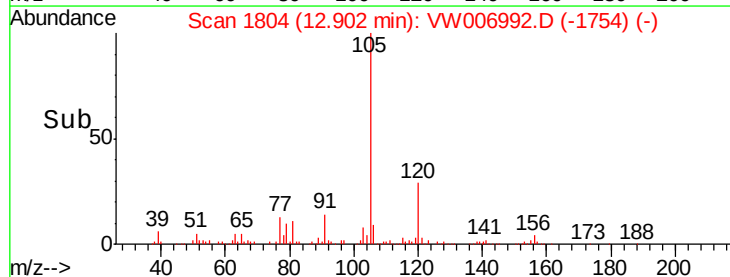
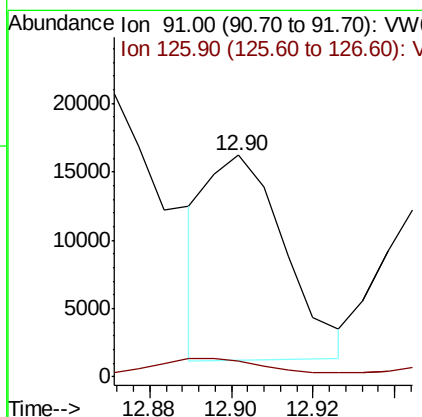
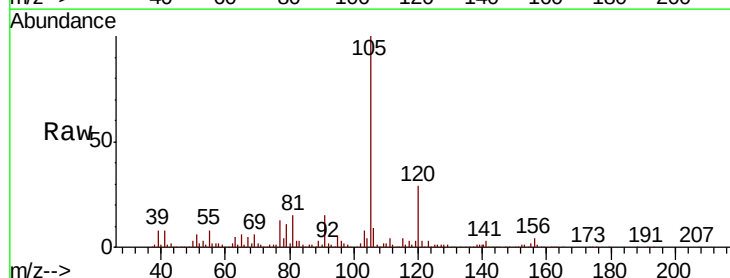
Instrument :
MSVOA_W
ClientSampleId :

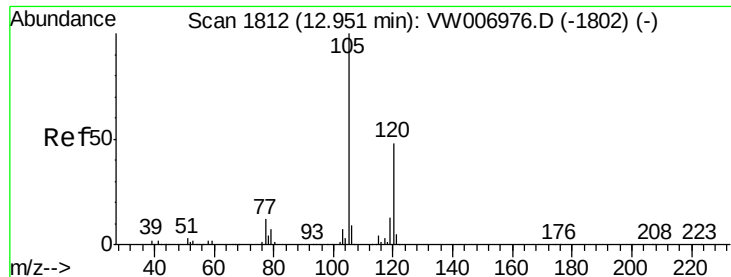
Tot Ion: 91 Resp: 98225
Ion Ratio Lower Upper
91 100
120 22.7 11.7 35.1



#79
2-Chlorotoluene
Concen: 7.316 ug/l
RT: 12.90 min Scan# 1804
Delta R.T. 0.01 min
Lab File: VW006992.D
Acq: 20 Nov 2018 23:05

Tgt Ion: 91 Resp: 19794
Ion Ratio Lower Upper
91 100
126 14.8 16.7 50.0#

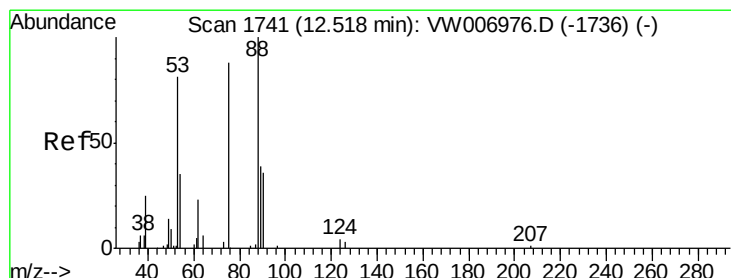
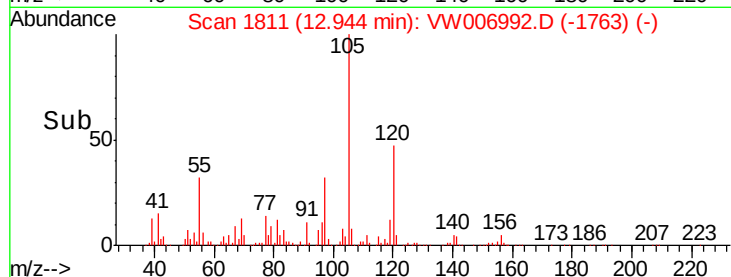
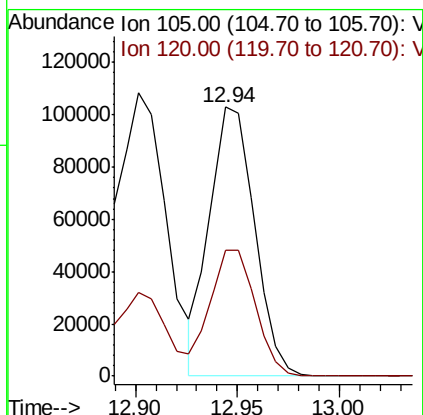
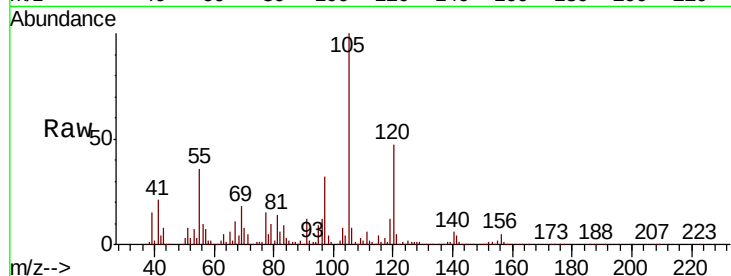




#80
 1,3,5-Trimethylbenzene
 Concen: 46.972 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

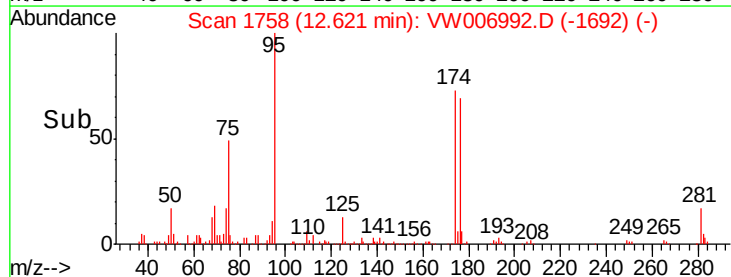
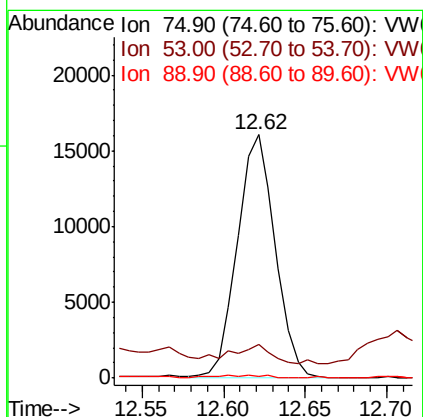
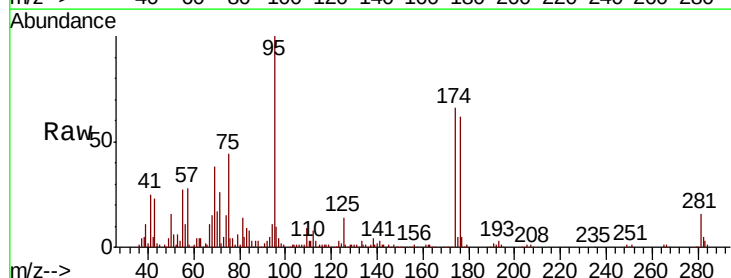
Instrument :
 MSVOA_W
 ClientSampleId :

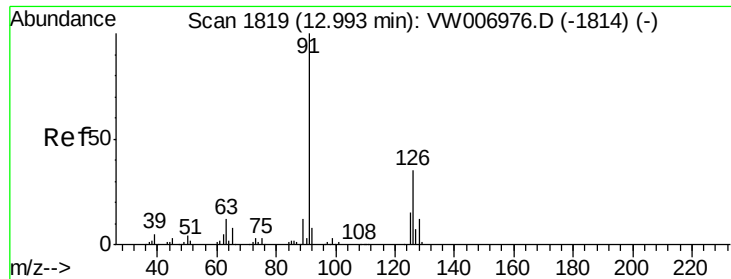
Tot Ion:105 Resp: 157360
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.8 71.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 166.463 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

Tgt Ion: 75 Resp: 25971
 Ion Ratio Lower Upper
 75 100
 53 8.2 77.6 116.4#
 89 1.5 39.3 58.9#





#82

4-Chlorotoluene

Concen: 5.637 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.05 min

Lab File: VW006992.D

Acq: 20 Nov 2018 23:05

Instrument :

MSVOA_W

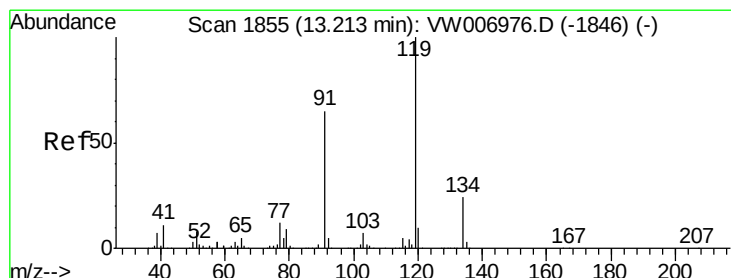
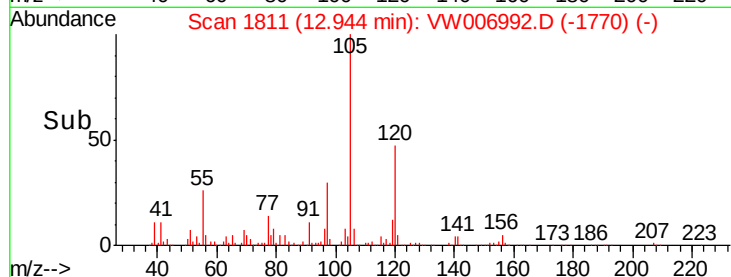
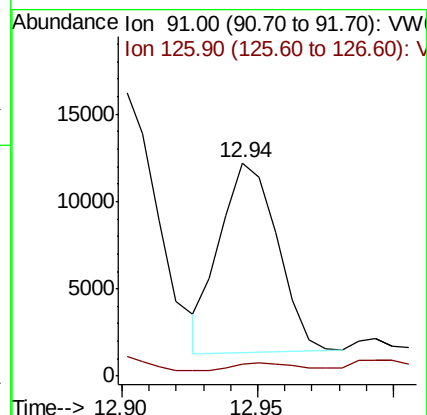
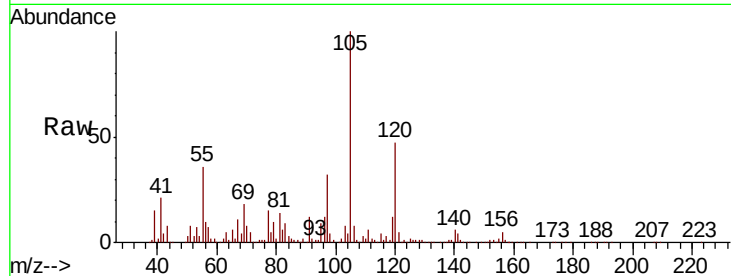
ClientSampled :

Tot Ion: 91 Resp: 16006

Ion Ratio Lower Upper

91 100

126 5.1 16.6 49.7#



#83

tert-Butylbenzene

Concen: 1.430 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW006992.D

Acq: 20 Nov 2018 23:05

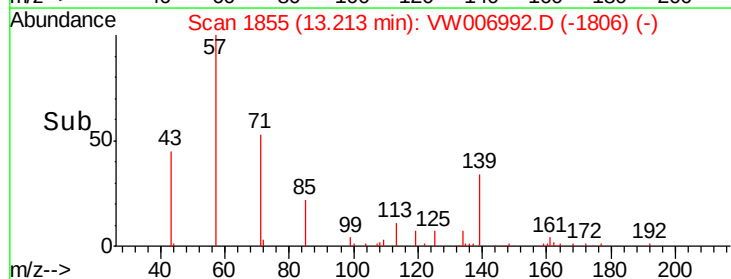
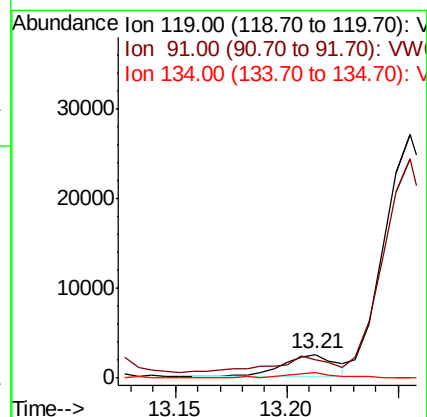
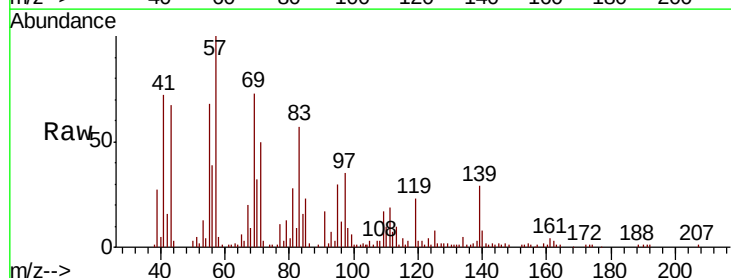
Tgt Ion: 119 Resp: 4148

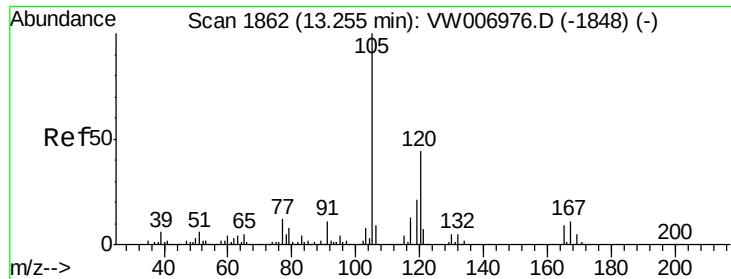
Ion Ratio Lower Upper

119 100

91 68.0 33.5 100.5

134 26.8 12.6 37.8





#84

1,2,4-Trimethylbenzene

Concen: 100.658 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW006992.D

Acq: 20 Nov 2018 23:05

Instrument :

MSVOA_W

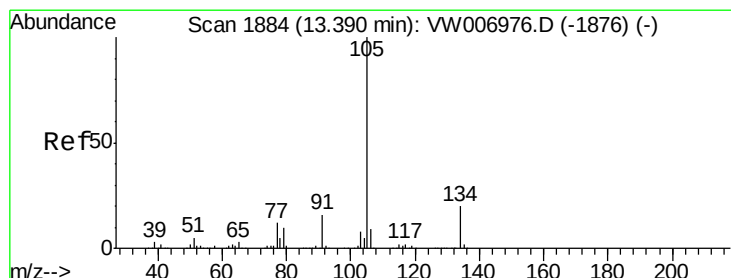
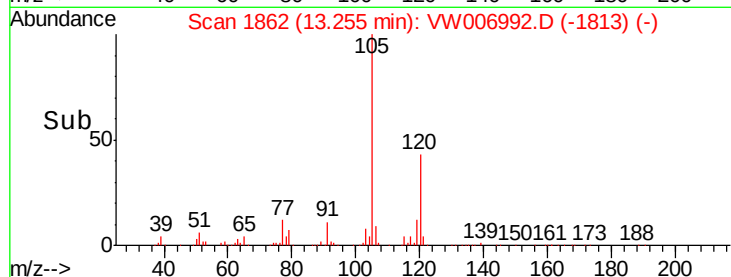
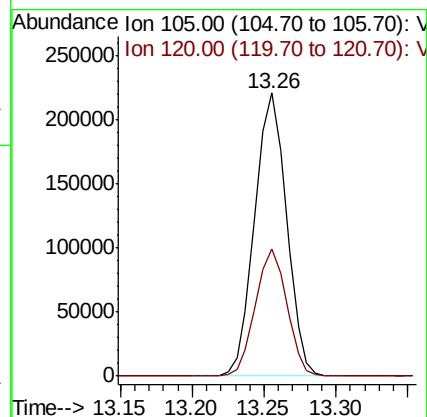
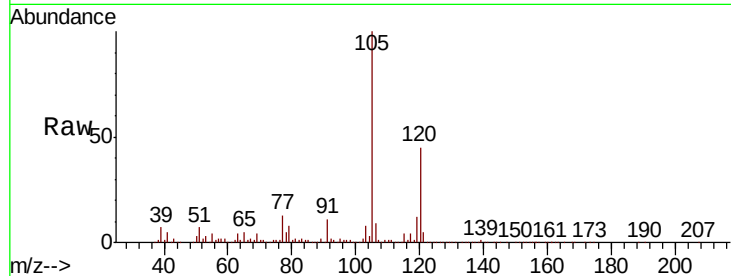
ClientSampled :

Tot Ion:105 Resp: 335969

Ion Ratio Lower Upper

105 100

120 44.9 21.8 65.3



#85

sec-Butylbenzene

Concen: 7.576 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006992.D

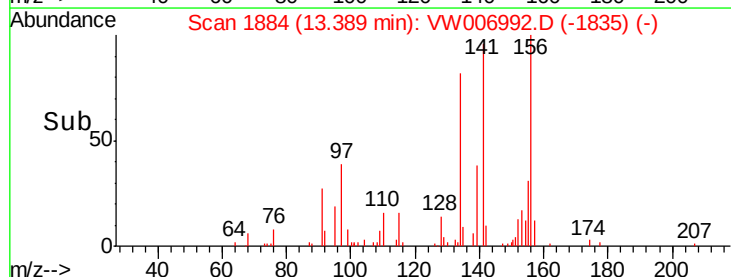
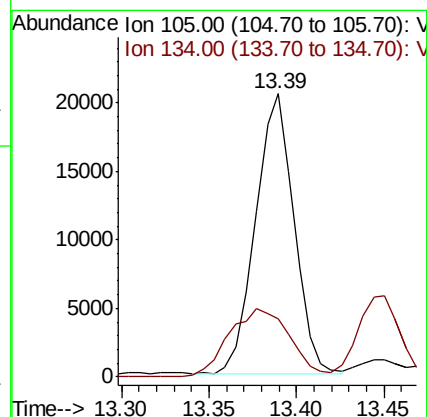
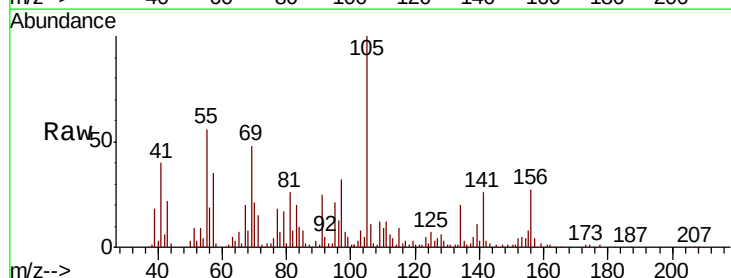
Acq: 20 Nov 2018 23:05

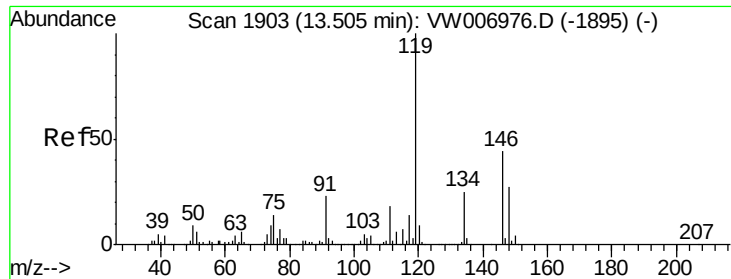
Tgt Ion:105 Resp: 31043

Ion Ratio Lower Upper

105 100

134 38.9 9.8 29.3#

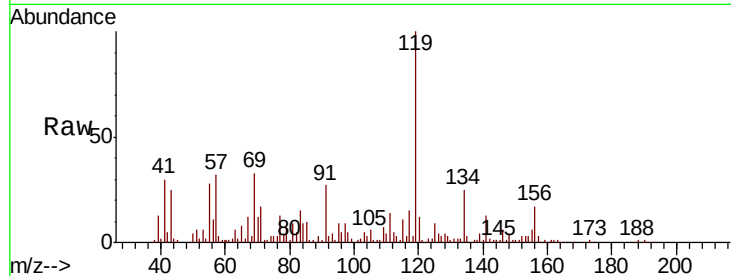




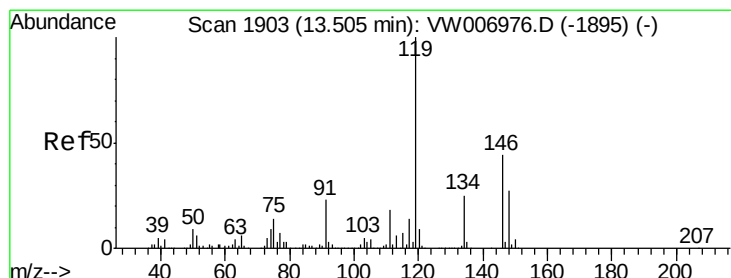
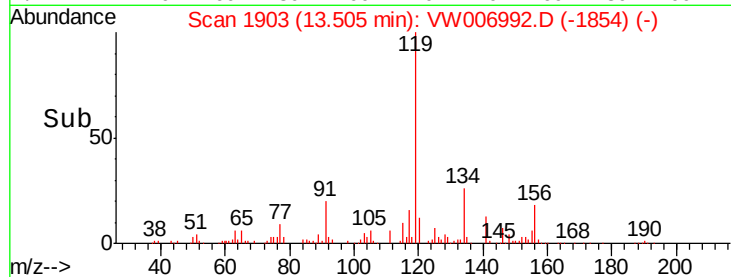
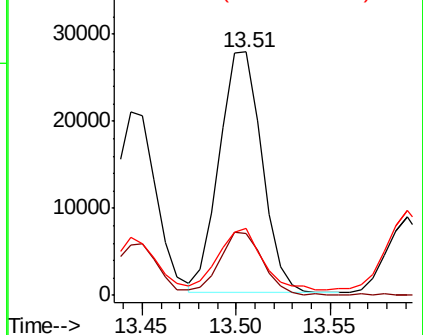
#86
 p-Isopropyltoluene
 Concen: 12.068 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.8	38.3
91	25.9	12.2	36.6

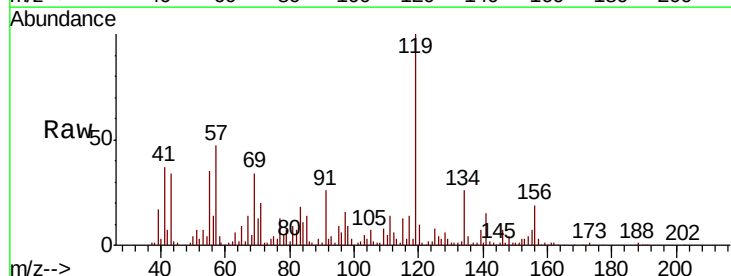


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

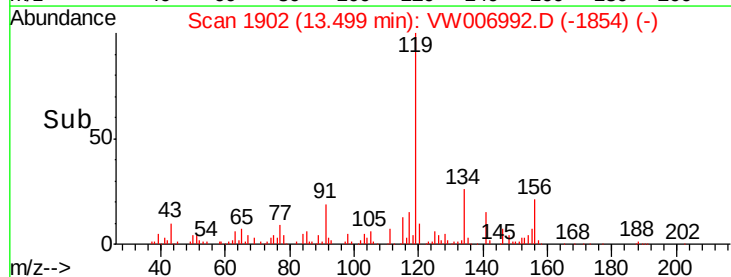
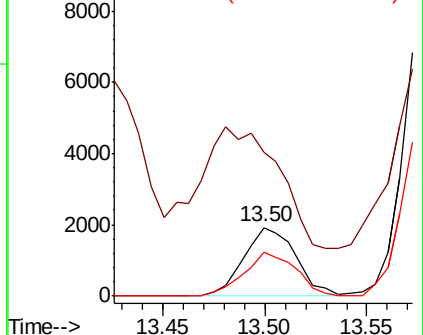


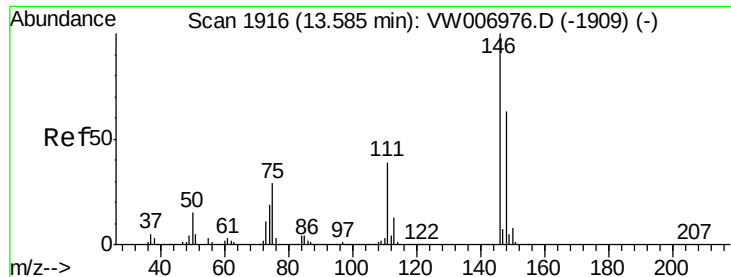
#87
 1,3-Dichlorobenzene
 Concen: 2.007 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	241.6	21.1	63.3#
148	63.4	31.6	94.8



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 9.863 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW006992.D

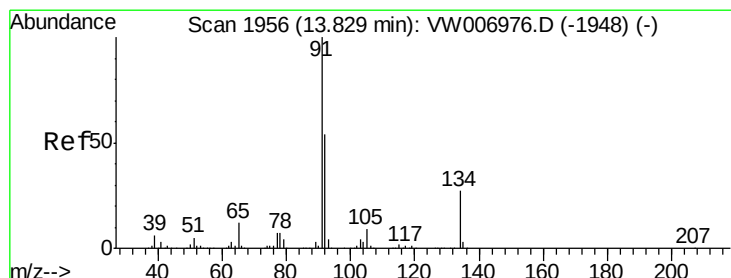
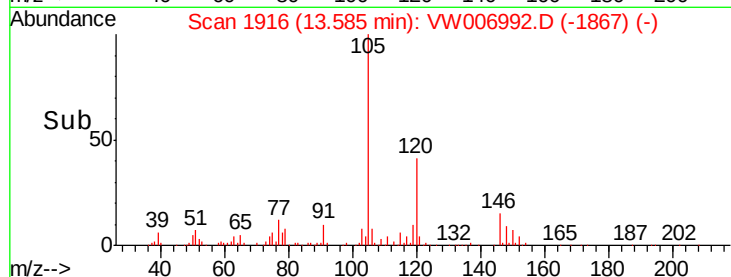
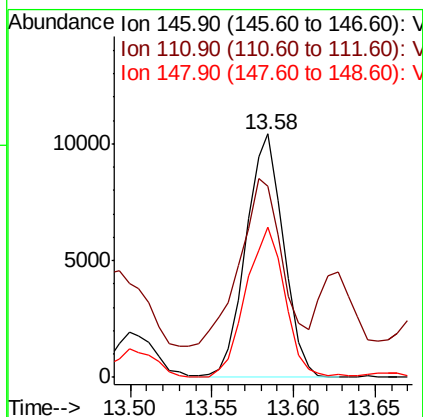
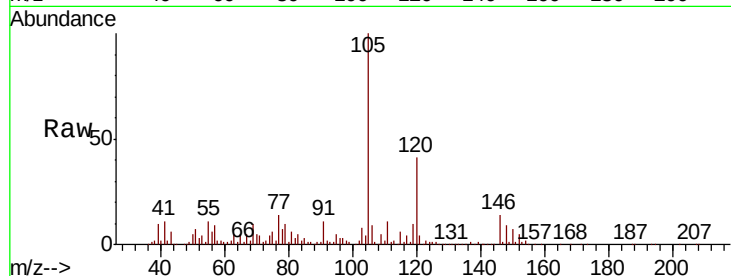
Acq: 20 Nov 2018 23:05

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:	146	Resp:	16704
Ion	Ratio	Lower	Upper
146	100		
111	76.7	20.6	61.8#
148	64.3	32.3	96.8



#89

n-Butylbenzene

Concen: 9.452 ug/l

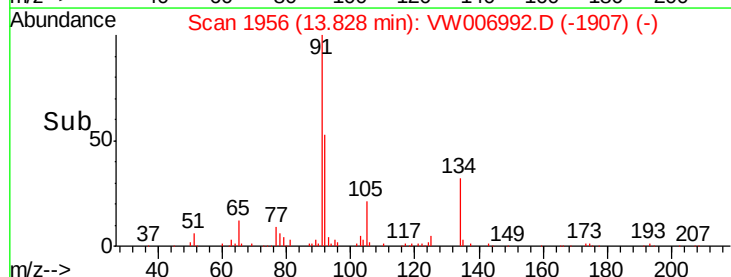
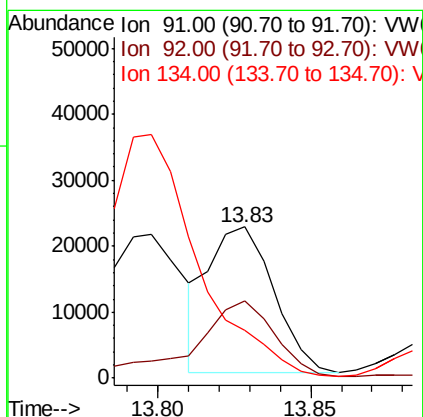
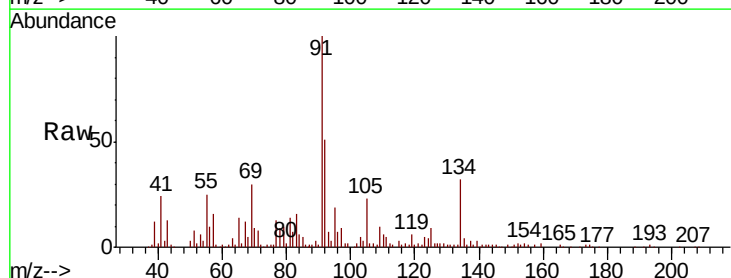
RT: 13.83 min Scan# 1956

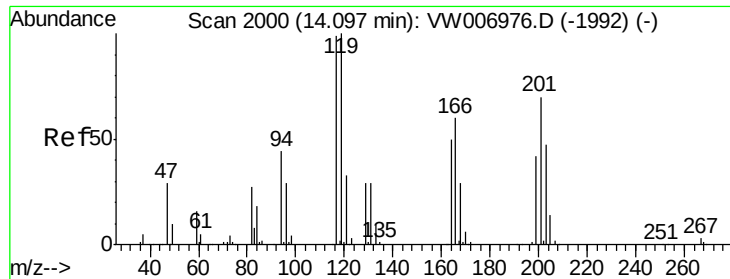
Delta R.T. -0.00 min

Lab File: VW006992.D

Acq: 20 Nov 2018 23:05

Tgt Ion:	91	Resp:	32154
Ion	Ratio	Lower	Upper
91	100		
92	65.2	26.8	80.4
134	0.0	13.3	39.8#





#90

Hexachloroethane

Concen: 31.315 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW006992.D

Acq: 20 Nov 2018 23:05

Instrument :

MSVOA_W

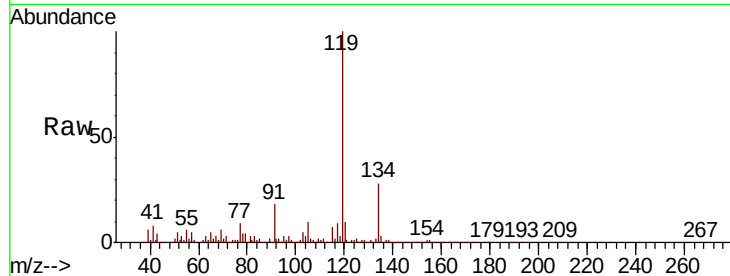
ClientSampleId :

Tot Ion:117 Resp: 16527

Ion Ratio Lower Upper

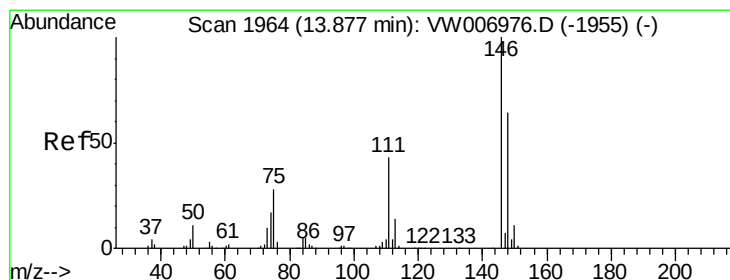
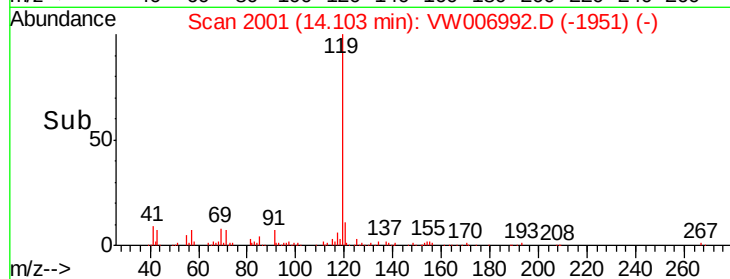
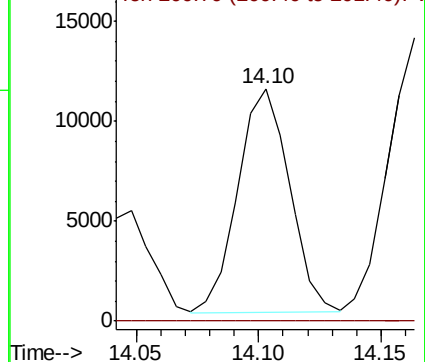
117 100

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



#91

1,2-Dichlorobenzene

Concen: 2.083 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW006992.D

Acq: 20 Nov 2018 23:05

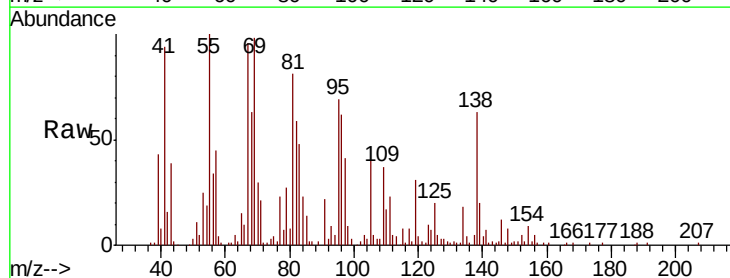
Tgt Ion:146 Resp: 3101

Ion Ratio Lower Upper

146 100

111 271.6 21.9 65.7#

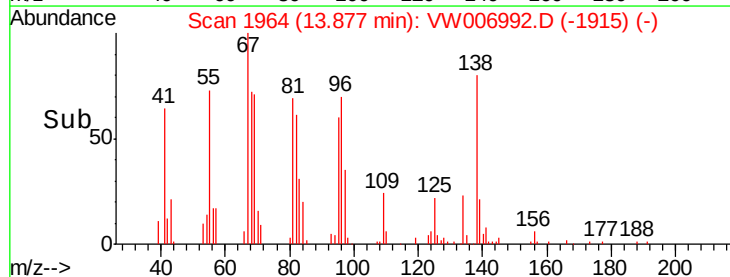
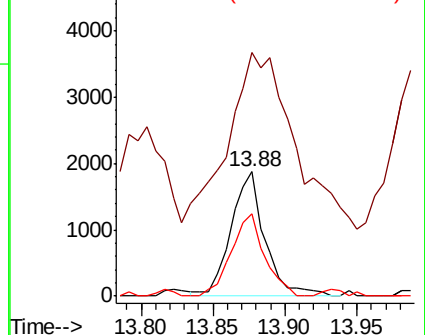
148 64.5 32.2 96.6

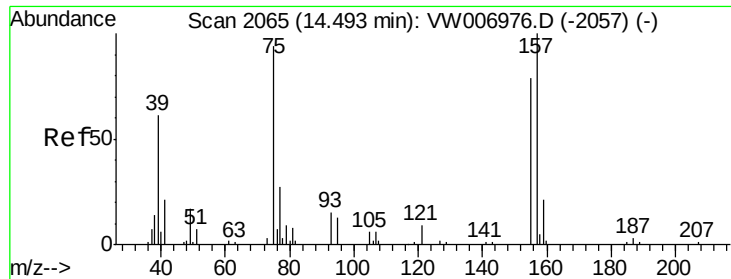


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

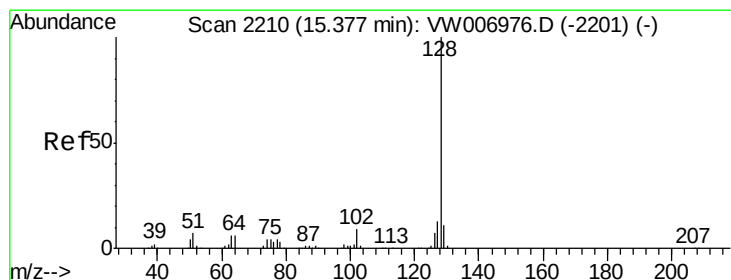
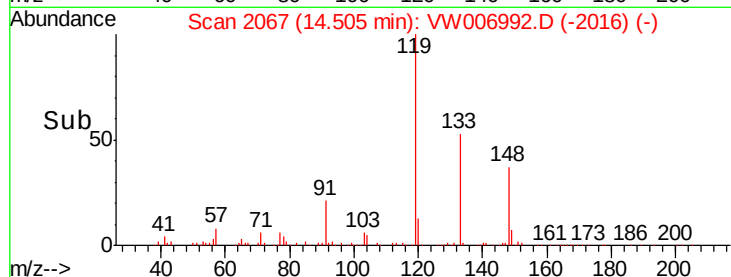
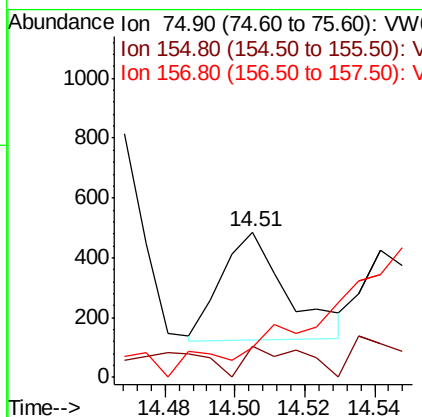
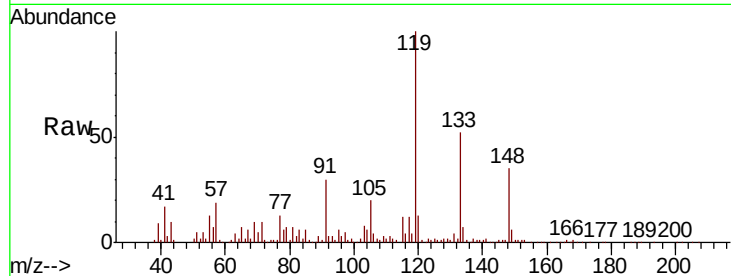




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.421 ug/l
 RT: 14.51 min Scan# 2067
 Delta R.T. 0.01 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 472
 Ion Ratio Lower Upper
 75 100
 155 25.8 42.6 127.8#
 157 0.0 55.0 165.0#



#95
 Naphthalene
 Concen: 43.439 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: VW006992.D
 Acq: 20 Nov 2018 23:05

Tgt Ion: 128 Resp: 77393
 Ion Ratio Lower Upper
 128 100
 127 15.9 10.5 15.7#
 129 10.8 8.7 13.1

