

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112118\
 Data File : VW006980.D
 Acq On : 20 Nov 2018 16:55
 Operator : SY/AP
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 21 04:47:22 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	124023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	189501	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	177341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	87830	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	54311	44.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.46%	
35) Dibromofluoromethane	7.88	113	51107	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
50) Toluene-d8	10.32	98	235205	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.62	95	89593	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	59016	48.195	ug/l	100
3) Chloromethane	2.21	50	50402	49.390	ug/l	99
4) Vinyl Chloride	2.36	62	50574	50.370	ug/l	97
5) Bromomethane	2.78	94	28533	53.243	ug/l	91
6) Chloroethane	2.92	64	27196	49.137	ug/l	99
7) Trichlorofluoromethane	3.26	101	95432	48.337	ug/l	100
8) Diethyl Ether	3.68	74	28159	44.263	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	60829	47.525	ug/l	100
10) Methyl Iodide	4.28	142	75970	51.849	ug/l	100
11) Tert butyl alcohol	5.23	59	16424	207.783	ug/l	99
12) 1,1-Dichloroethene	4.04	96	54488	48.538	ug/l	98
13) Acrolein	3.91	56	14333	176.569	ug/l	94
14) Allyl chloride	4.68	41	90679	48.701	ug/l	99
15) Acrylonitrile	5.38	53	54722	228.864	ug/l	100
16) Acetone	4.15	43	39098	221.783	ug/l	96
17) Carbon Disulfide	4.38	76	178718	49.243	ug/l	97
18) Methyl Acetate	4.68	43	26338	41.953	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	135248	46.141	ug/l	100
20) Methylene Chloride	4.92	84	64017	45.030	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	62017	47.425	ug/l	99
22) Diisopropyl ether	6.31	45	171159	47.229	ug/l	96
23) Vinyl Acetate	6.26	43	467319	242.824	ug/l	98
24) 1,1-Dichloroethane	6.22	63	102979	46.709	ug/l	99
25) 2-Butanone	7.18	43	67447	223.382	ug/l	96
26) 2,2-Dichloropropane	7.17	77	98496	49.681	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	65085	46.737	ug/l	98
28) Bromochloromethane	7.51	49	39911	48.436	ug/l #	97
29) Tetrahydrofuran	7.54	42	43022	220.007	ug/l	98
30) Chloroform	7.68	83	108365	46.266	ug/l	98
31) Cyclohexane	7.96	56	110971	47.454	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	102749	48.703	ug/l	99
36) 1,1-Dichloropropene	8.09	75	94234	50.887	ug/l	99
37) Ethyl Acetate	7.26	43	31404	46.798	ug/l	99
38) Carbon Tetrachloride	8.07	117	90957	51.293	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	117222	50.584	ug/l	95
40) Benzene	8.32	78	248160	49.645	ug/l	99
41) Methacrylonitrile	7.49	41	21318	51.154	ug/l	90
42) 1,2-Dichloroethane	8.40	62	68016	46.867	ug/l	100
43) Isopropyl Acetate	8.43	43	60884	47.610	ug/l	100
44) Trichloroethene	9.09	130	69238	49.411	ug/l	100
45) 1,2-Dichloropropane	9.37	63	60383	49.004	ug/l	97
46) Dibromomethane	9.46	93	29184	47.294	ug/l	99
47) Bromodichloromethane	9.65	83	80314	49.400	ug/l	99
48) Methyl methacrylate	9.44	41	31796	51.566	ug/l	96
49) 1,4-Dioxane	9.48	88	8850	964.934	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	152220	235.545	ug/l	100
52) Toluene	10.39	92	176198	51.795	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	77583	49.261	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	95421	50.149	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	42501	46.814	ug/l	94
56) Ethyl methacrylate	10.65	69	54244	51.473	ug/l	98
57) 1,3-Dichloropropane	10.93	76	72429	47.606	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	123425	224.128	ug/l	99
59) 2-Hexanone	10.97	43	110703	250.151	ug/l	100
60) Dibromochloromethane	11.13	129	50691	49.001	ug/l	98
61) 1,2-Dibromoethane	11.24	107	40456	48.712	ug/l	98
64) Tetrachloroethene	10.87	164	57981	50.822	ug/l	99
65) Chlorobenzene	11.66	112	191264	51.674	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	56309	50.290	ug/l	99
67) Ethyl Benzene	11.73	91	352945	51.907	ug/l	98
68) m/p-Xylenes	11.84	106	270985	101.580	ug/l	98
69) o-Xylene	12.17	106	127209	50.571	ug/l	98
70) Styrene	12.18	104	205998	51.454	ug/l	100
71) Bromoform	12.35	173	26247	49.760	ug/l #	100
73) Isopropylbenzene	12.47	105	358642	52.540	ug/l	99
74) N-amyl acetate	12.27	43	60404	52.799	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	44413	48.890	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	62285	90.247	ug/l #	100
77) Bromobenzene	12.75	156	75661	51.607	ug/l	96
78) n-propylbenzene	12.81	91	428175	51.785	ug/l	100
79) 2-Chlorotoluene	12.90	91	243968	51.173	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	306087	51.854	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13912	50.608	ug/l	97
82) 4-Chlorotoluene	12.99	91	257307	51.430	ug/l	100
83) tert-Butylbenzene	13.21	119	263207	51.503	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	303016	51.524	ug/l	100
85) sec-Butylbenzene	13.39	105	374733	51.903	ug/l	99
86) p-Isopropyltoluene	13.51	119	328191	51.526	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	151862	50.737	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	151598	50.800	ug/l	100
89) n-Butylbenzene	13.83	91	315119	52.572	ug/l	99
90) Hexachloroethane	14.10	117	49199	52.907	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	133848	51.035	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7673	50.011	ug/l	96

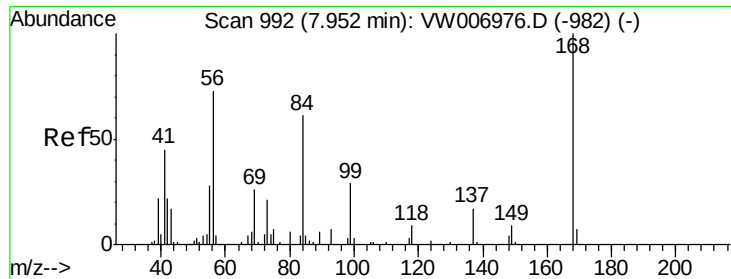
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	87651	50.683	ug/l	99
94) Hexachlorobutadiene	15.24	225	48701	51.801	ug/l	99
95) Naphthalene	15.38	128	159545	50.822	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	73800	51.437	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

Instrument :

MSVOA_W

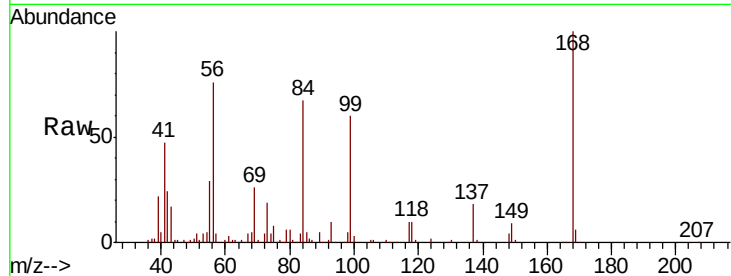
ClientSampled :

Tot Ion:168 Resp: 124023

Ion Ratio Lower Upper

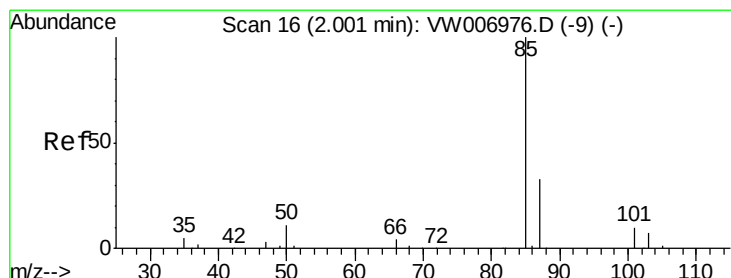
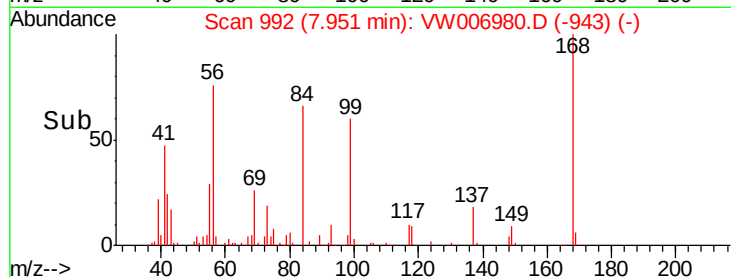
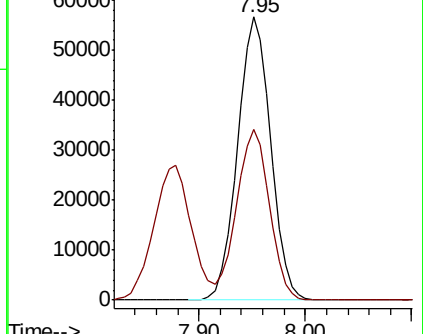
168 100

99 60.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 48.195 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW006980.D

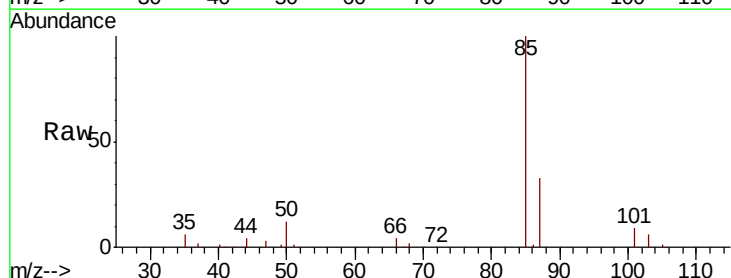
Acq: 20 Nov 2018 16:55

Tgt Ion: 85 Resp: 59016

Ion Ratio Lower Upper

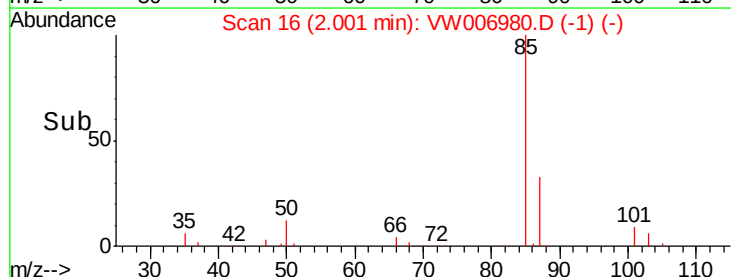
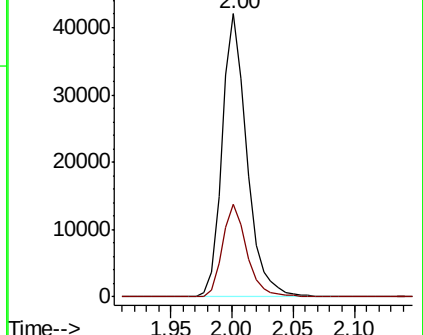
85 100

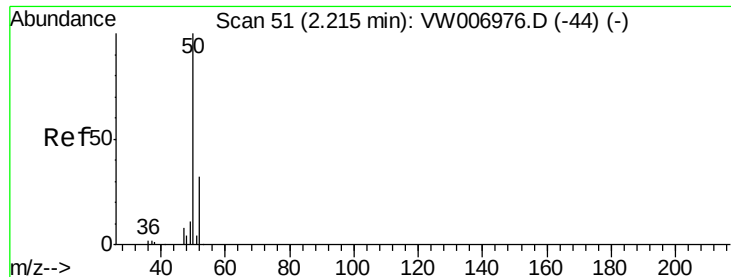
87 32.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 49.390 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

Instrument :

MSVOA_W

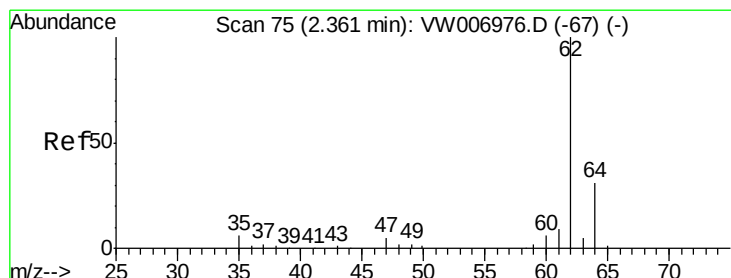
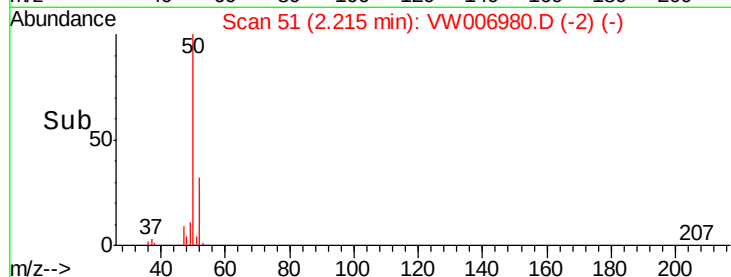
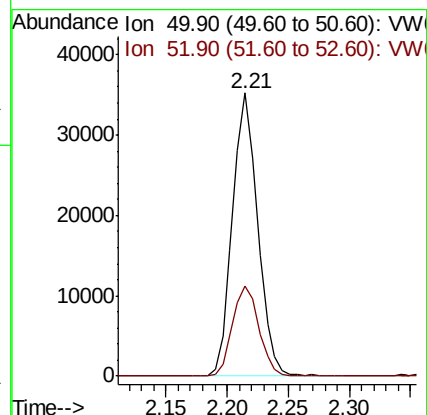
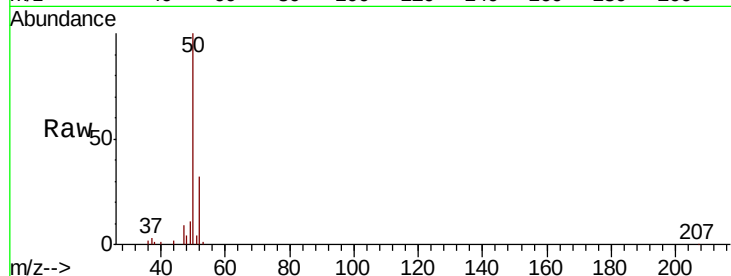
ClientSampleId :

Tot Ion: 50 Resp: 50402

Ion Ratio Lower Upper

50 100

52 31.7 25.7 38.5



#4

Vinyl Chloride

Concen: 50.370 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW006980.D

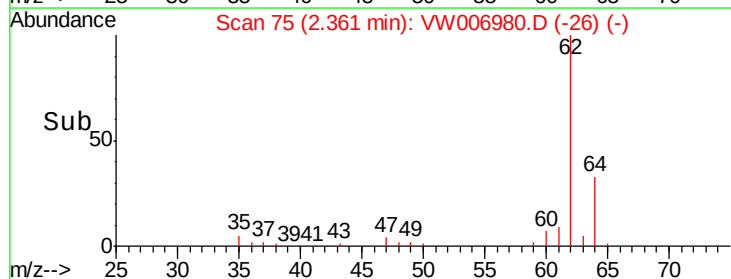
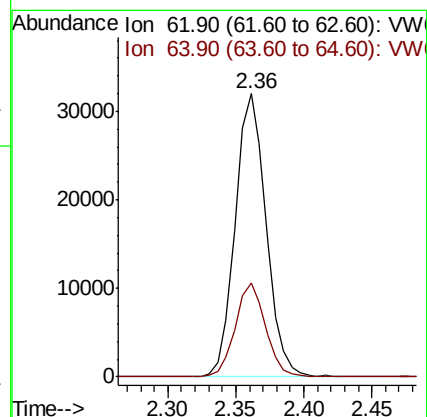
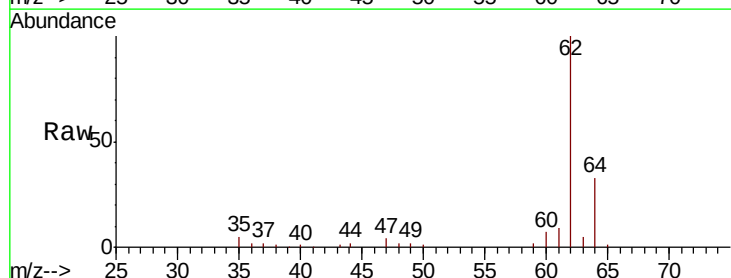
Acq: 20 Nov 2018 16:55

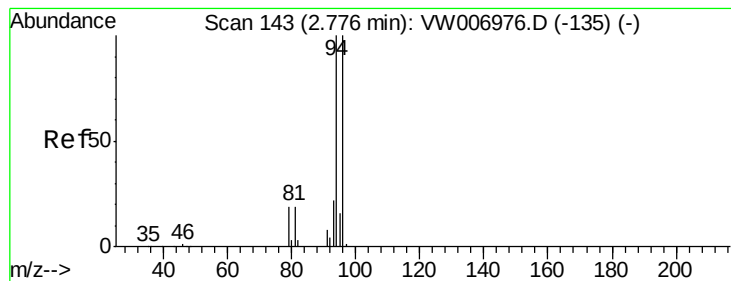
Tgt Ion: 62 Resp: 50574

Ion Ratio Lower Upper

62 100

64 33.2 25.2 37.8





#5

Bromomethane

Concen: 53.243 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

Instrument :

MSVOA_W

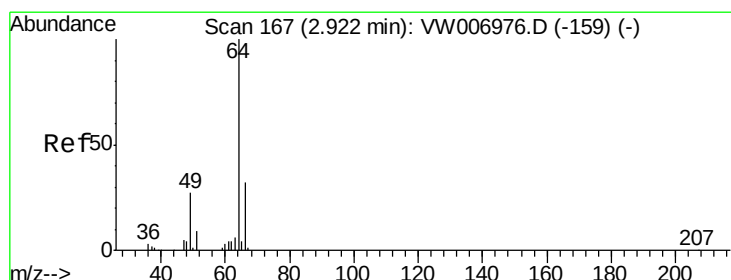
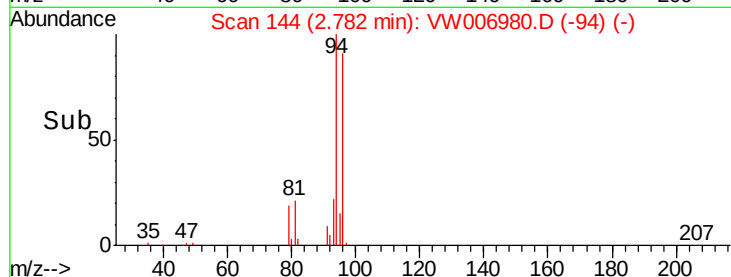
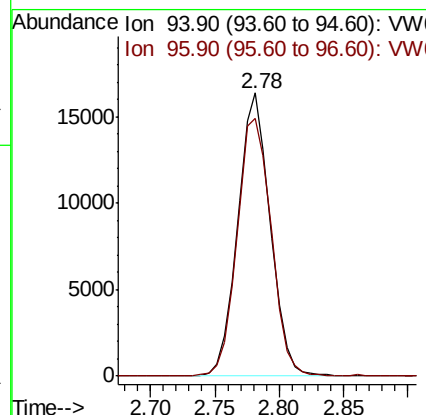
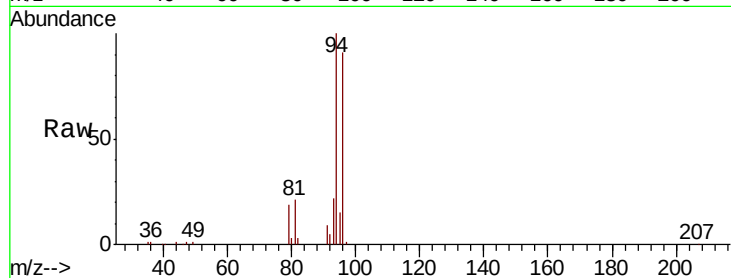
ClientSampled :

Tot Ion: 94 Resp: 28533

Ion Ratio Lower Upper

94 100

96 90.9 80.2 120.2



#6

Chloroethane

Concen: 49.137 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW006980.D

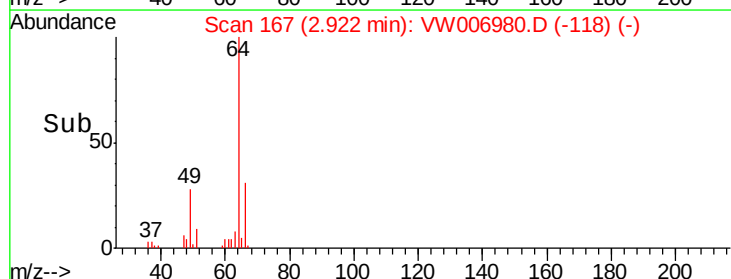
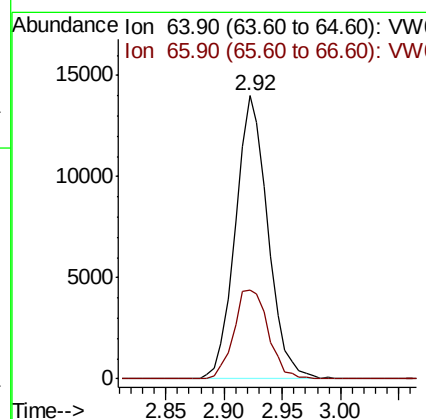
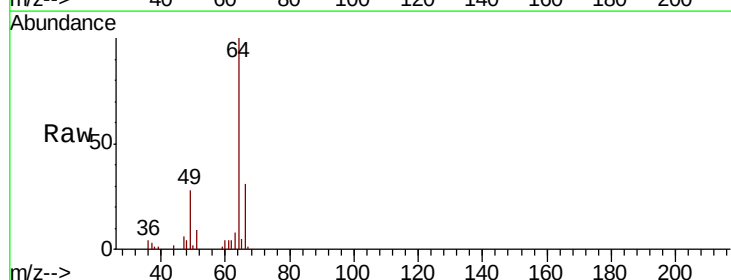
Acq: 20 Nov 2018 16:55

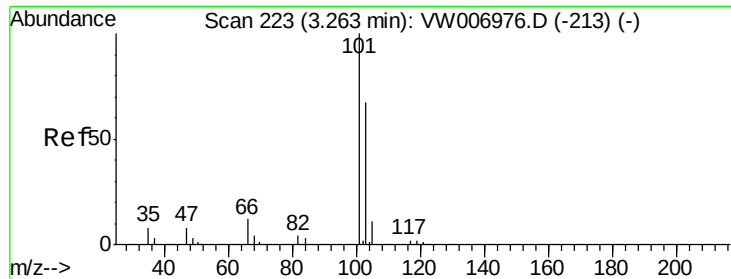
Tgt Ion: 64 Resp: 27196

Ion Ratio Lower Upper

64 100

66 31.2 25.3 37.9



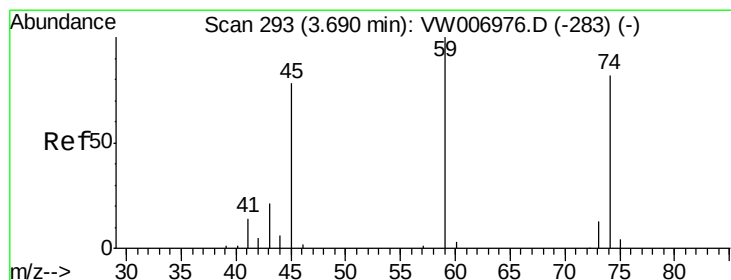
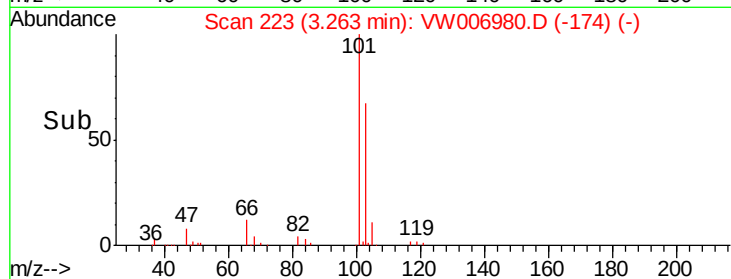
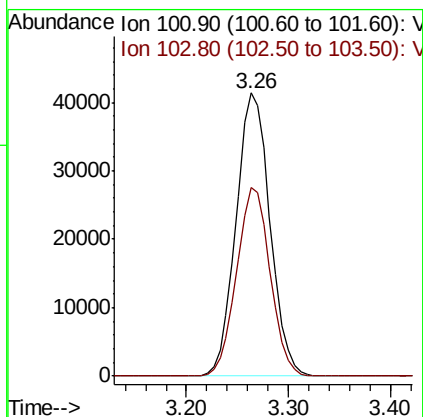
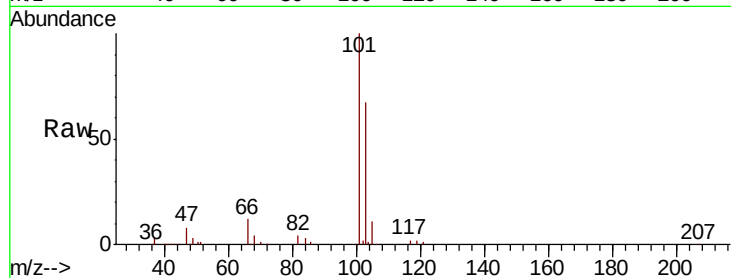


#7

Trichlorofluoromethane
Concen: 48.337 ug/l
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Instrument :
MSVOA_W
ClientSampleId :

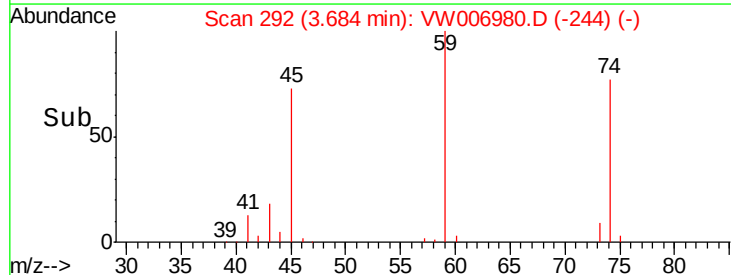
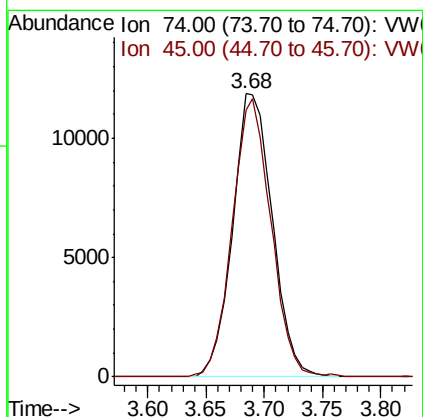
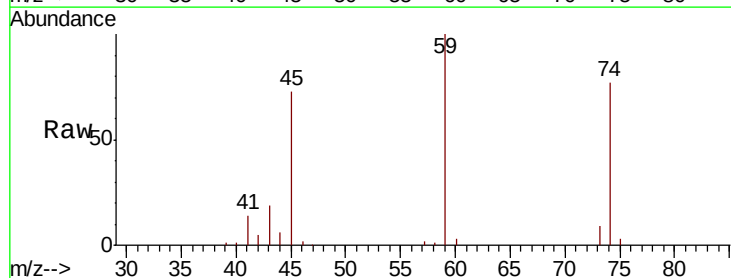
Tot Ion:101 Resp: 95432
Ion Ratio Lower Upper
101 100
103 66.7 53.4 80.2

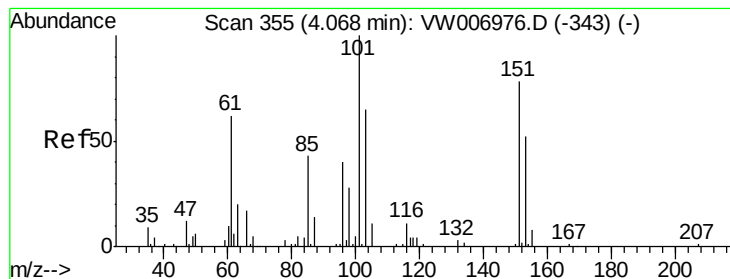


#8

Diethyl Ether
Concen: 44.263 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.01 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Tgt Ion: 74 Resp: 28159
Ion Ratio Lower Upper
74 100
45 96.0 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.525 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

Instrument :

MSVOA_W

ClientSampleId :

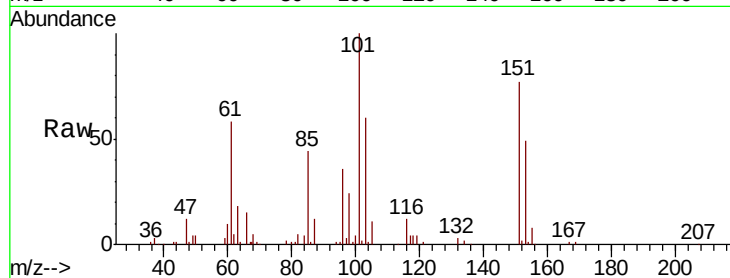
Tot Ion:101 Resp: 60829

Ion Ratio Lower Upper

101 100

85 42.9 34.3 51.5

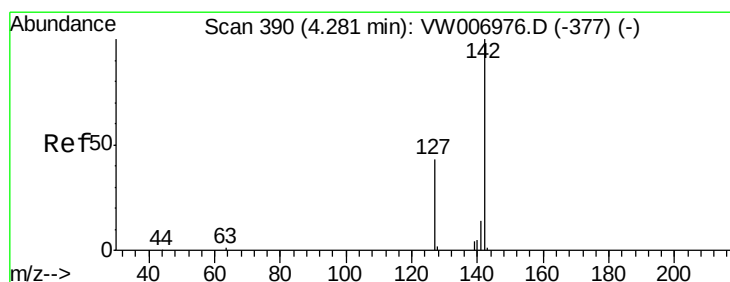
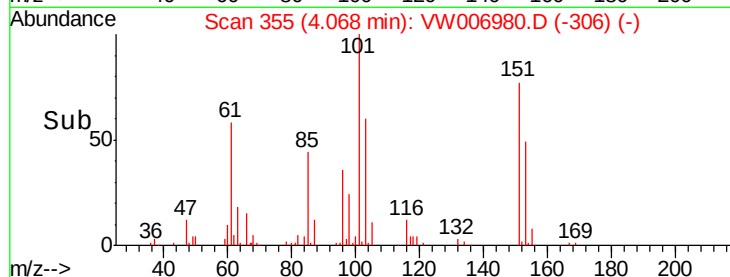
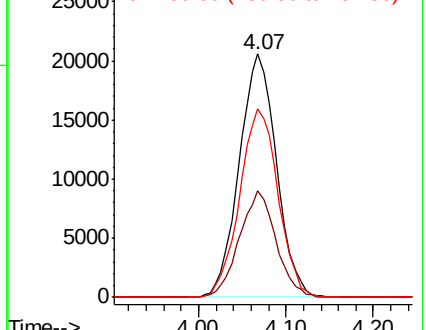
151 79.7 63.4 95.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.849 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.01 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

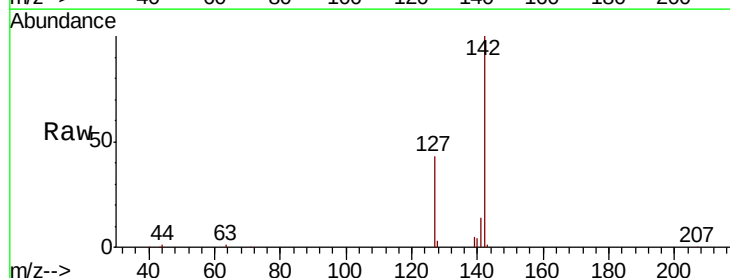
Tgt Ion:142 Resp: 75970

Ion Ratio Lower Upper

142 100

127 43.9 35.3 52.9

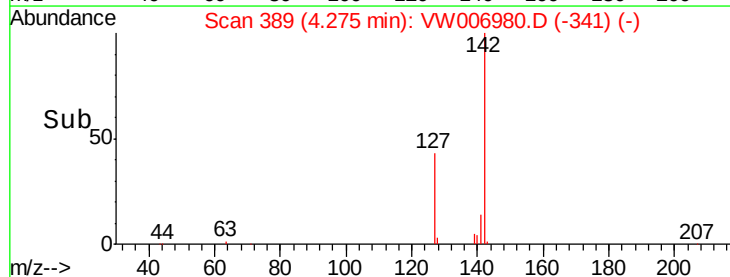
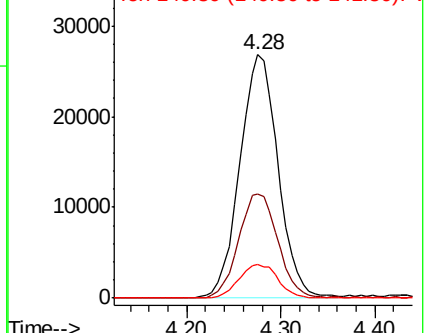
141 14.2 11.7 17.5

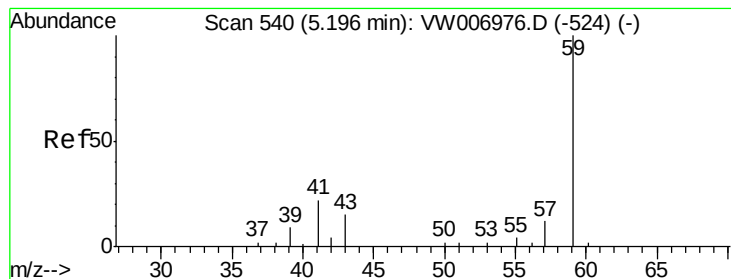


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



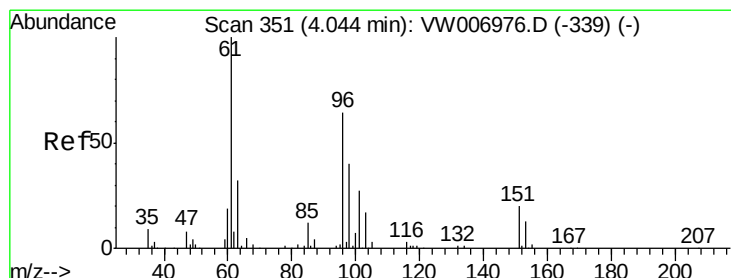
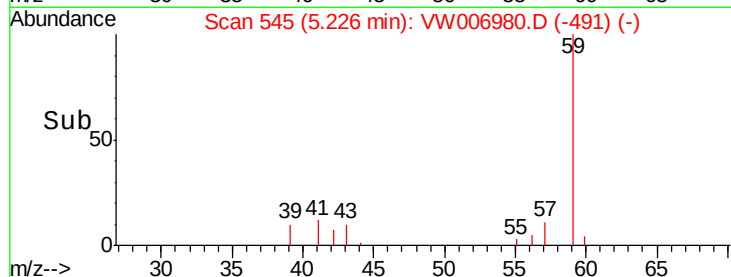
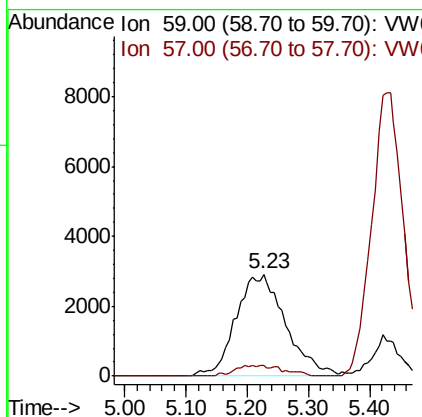
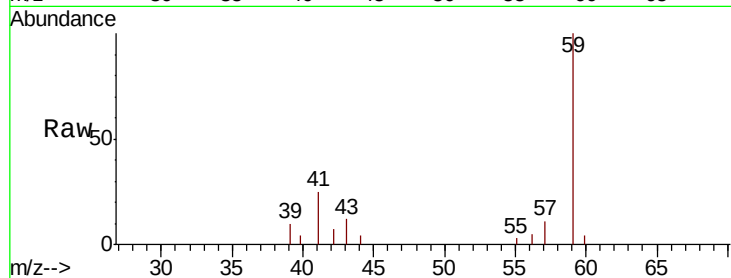


#11

Tert butyl alcohol
 Concen: 207.783 ug/l
 RT: 5.23 min Scan# 545
 Delta R.T. 0.03 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 16:55

Instrument :
 MSVOA_W
 ClientSampled :

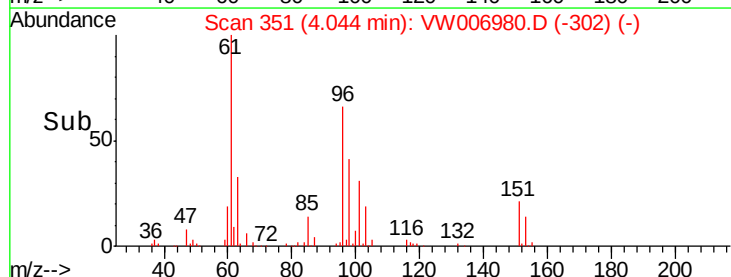
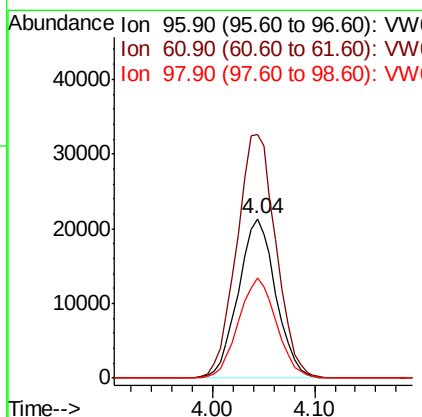
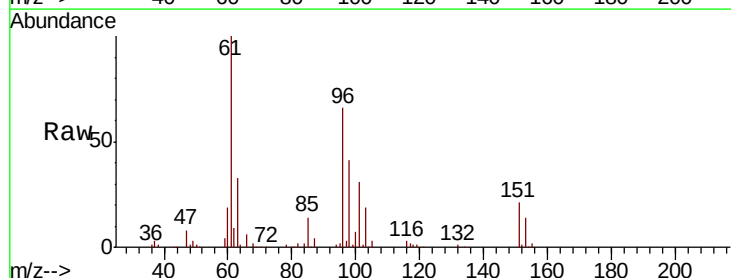
Tot Ion: 59 Resp: 16424
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.6 13.0

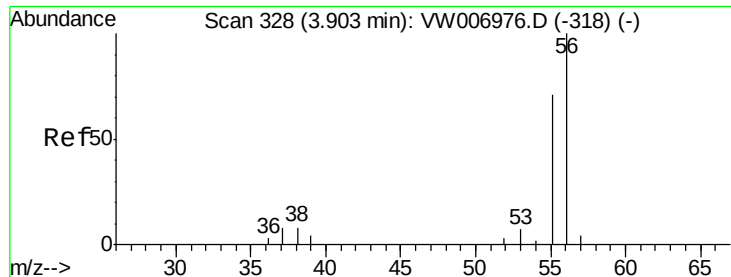


#12

1,1-Dichloroethene
 Concen: 48.538 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 16:55

Tgt Ion: 96 Resp: 54488
 Ion Ratio Lower Upper
 96 100
 61 152.4 124.3 186.5
 98 62.9 49.4 74.2





#13

Acrolein

Concen: 176.569 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

Instrument :

MSVOA_W

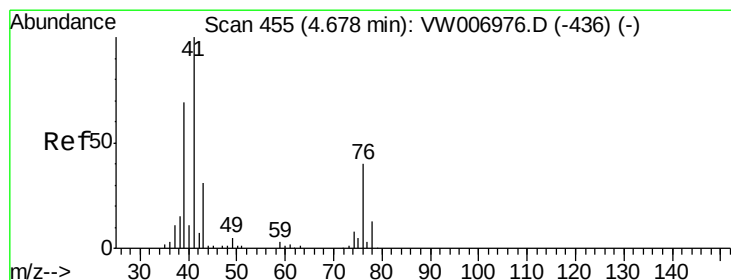
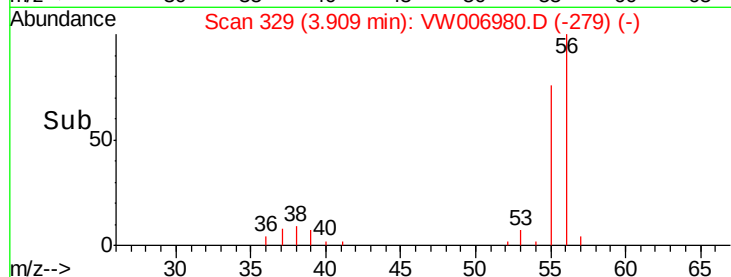
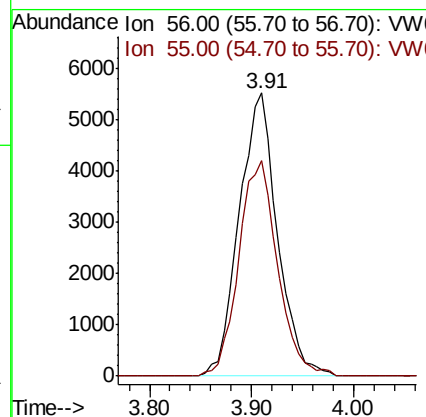
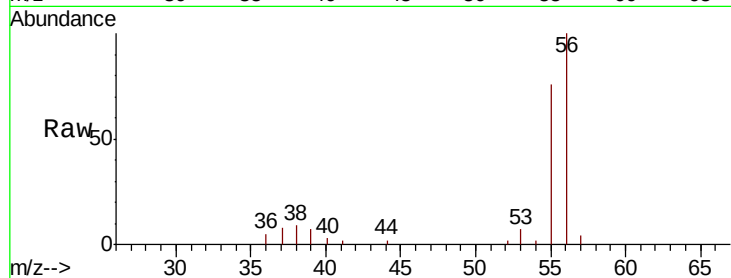
ClientSampleId :

Tot Ion: 56 Resp: 14333

Ion Ratio Lower Upper

56 100

55 77.2 57.5 86.3



#14

Allyl chloride

Concen: 48.701 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

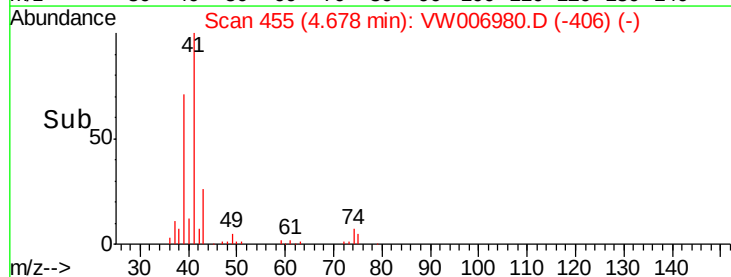
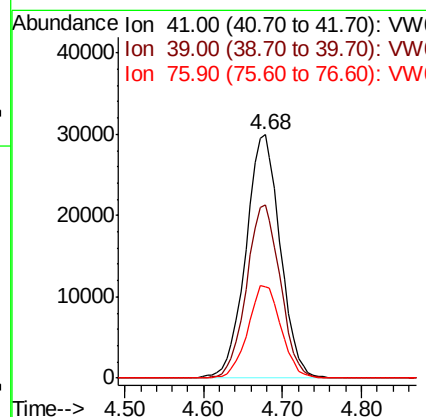
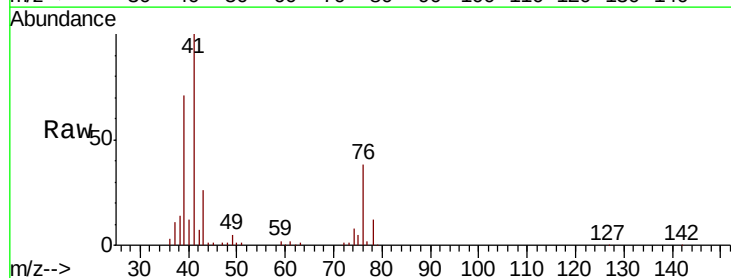
Tgt Ion: 41 Resp: 90679

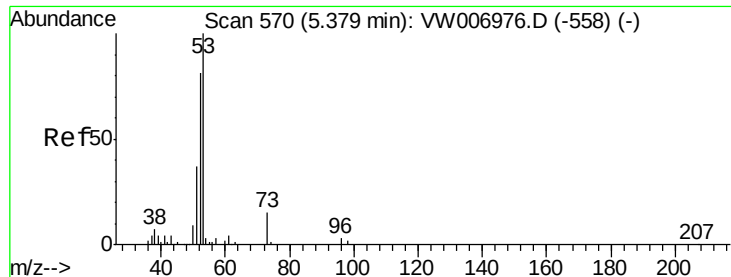
Ion Ratio Lower Upper

41 100

39 69.9 55.4 83.2

76 36.6 29.6 44.4





#15

Acrylonitrile

Concen: 228.864 ug/l

RT: 5.38 min Scan# 570

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

Instrument :

MSVOA_W

ClientSampleId :

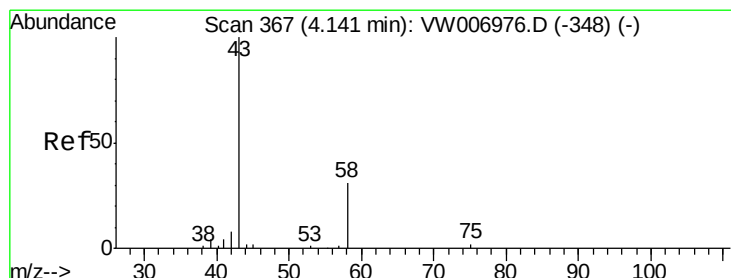
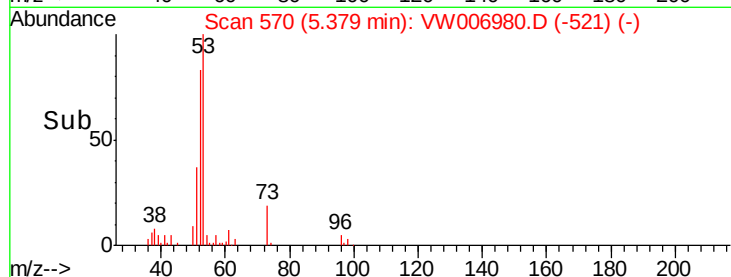
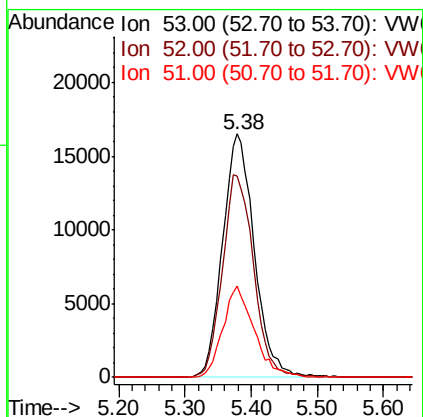
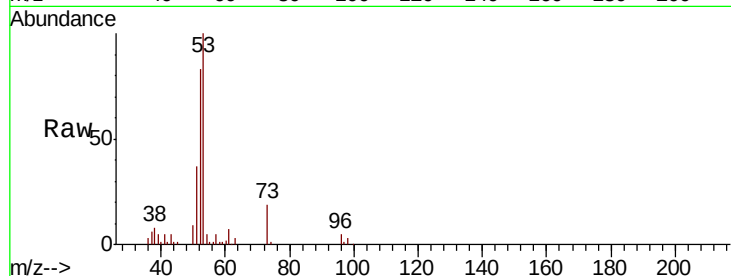
Tot Ion: 53 Resp: 54722

Ion Ratio Lower Upper

53 100

52 82.0 65.7 98.5

51 37.1 29.9 44.9



#16

Acetone

Concen: 221.783 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW006980.D

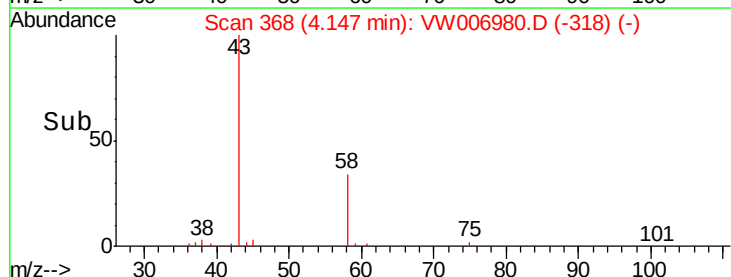
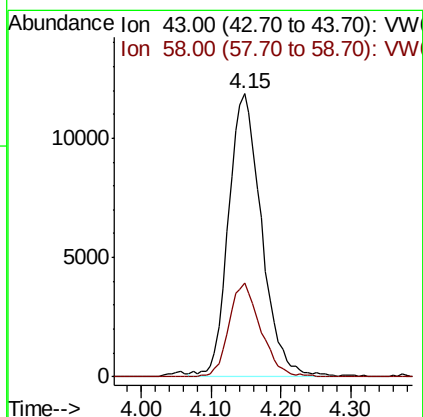
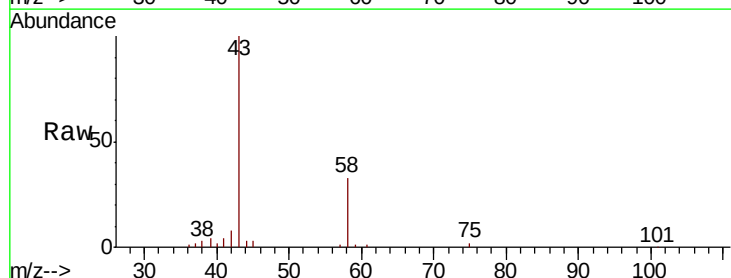
Acq: 20 Nov 2018 16:55

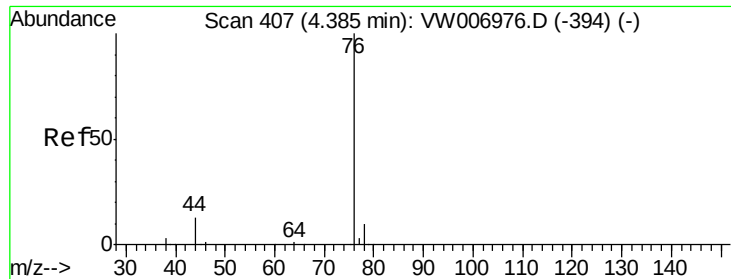
Tgt Ion: 43 Resp: 39098

Ion Ratio Lower Upper

43 100

58 33.3 24.8 37.2

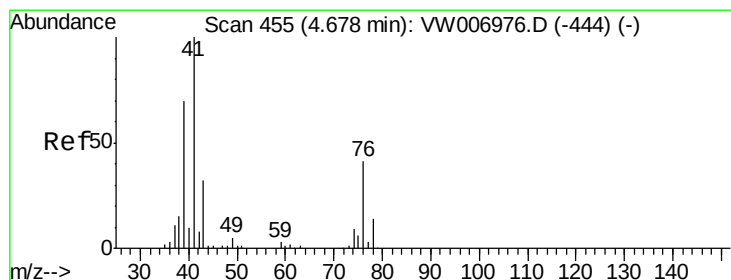
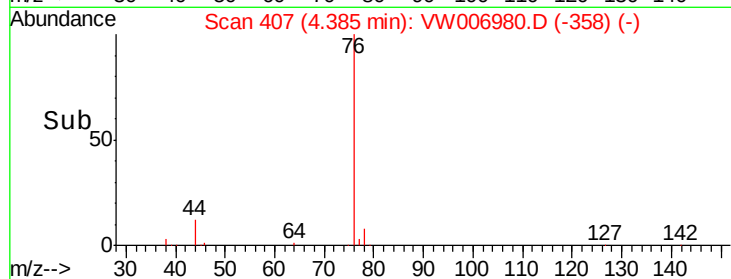
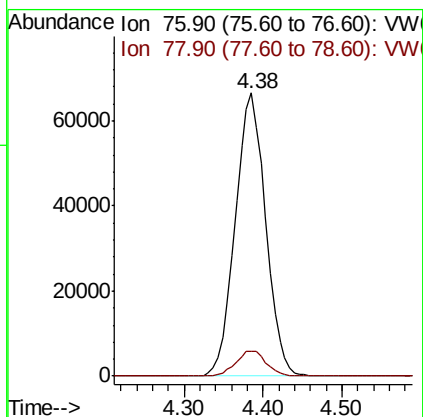
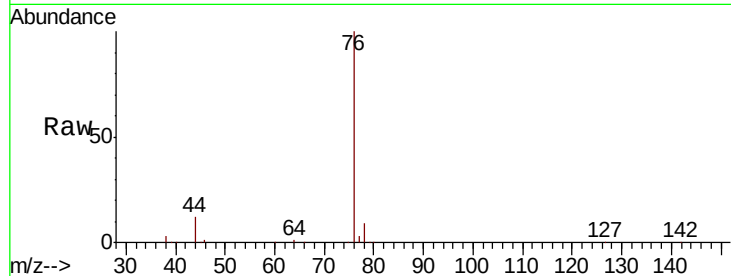




#17
Carbon Disulfide
Concen: 49.243 ug/l
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

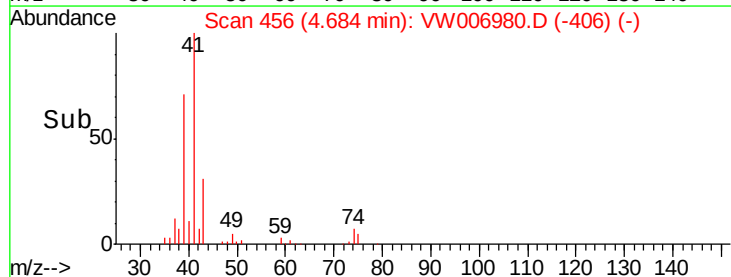
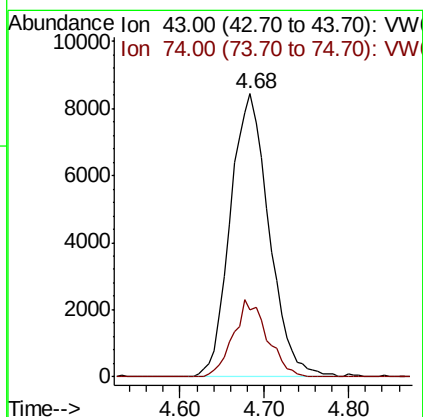
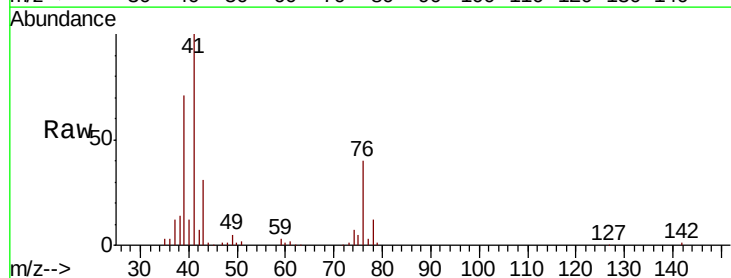
Instrument :
MSVOA_W
ClientSampled :

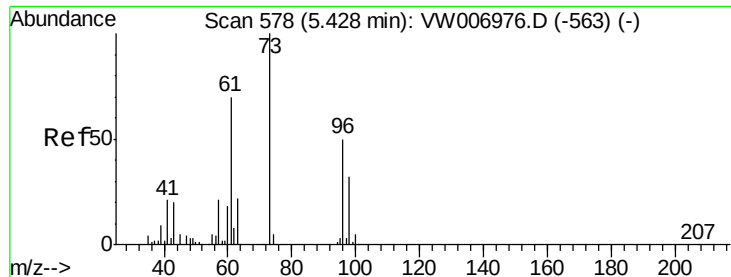
Tot Ion: 76 Resp: 178718
Ion Ratio Lower Upper
76 100
78 8.7 7.8 11.6



#18
Methyl Acetate
Concen: 41.953 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Tgt Ion: 43 Resp: 26338
Ion Ratio Lower Upper
43 100
74 23.8 20.1 30.1

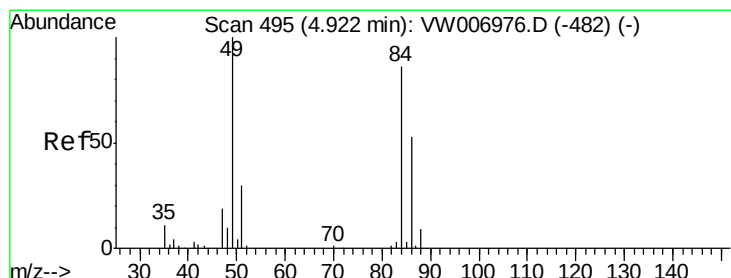
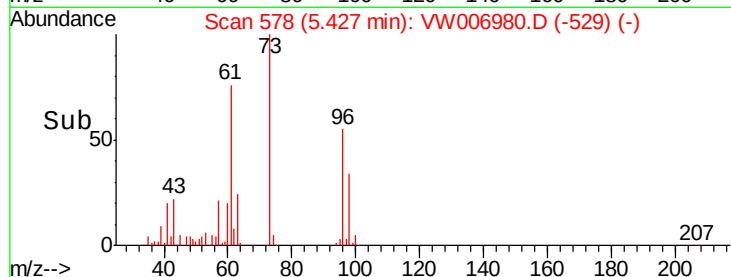
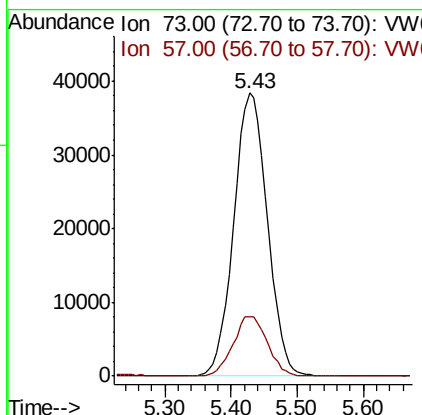
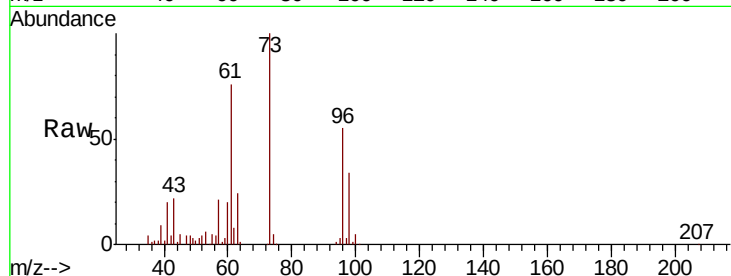




#19
Methyl tert-butyl Ether
Concen: 46.141 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

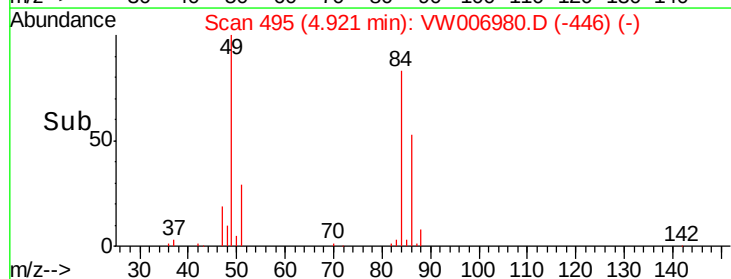
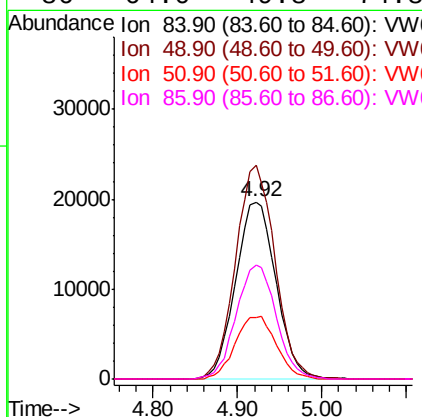
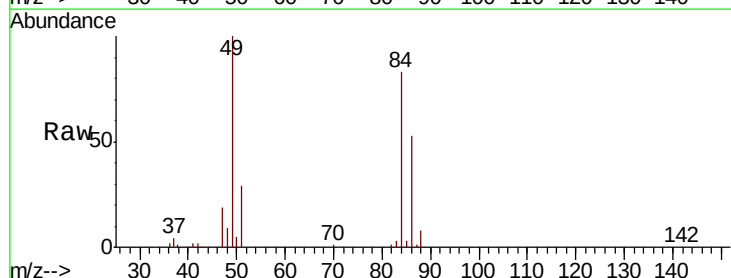
Instrument :
MSVOA_W
ClientSampled :

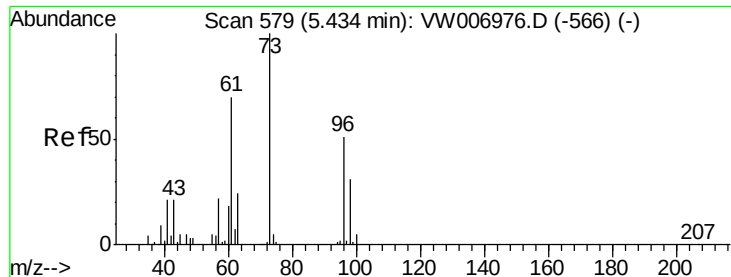
Tot Ion: 73 Resp: 135248
Ion Ratio Lower Upper
73 100
57 21.1 16.7 25.1



#20
Methylene Chloride
Concen: 45.030 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Tgt Ion: 84 Resp: 64017
Ion Ratio Lower Upper
84 100
49 120.5 93.4 140.0
51 34.5 28.4 42.6
86 64.0 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 47.425 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

Instrument :

MSVOA_W

ClientSampleId :

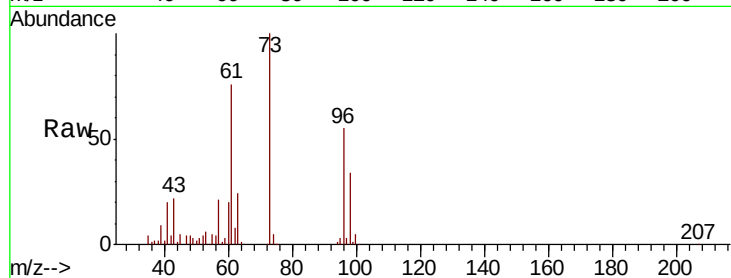
Tot Ion: 96 Resp: 62017

Ion Ratio Lower Upper

96 100

61 137.7 109.4 164.0

98 62.3 48.3 72.5

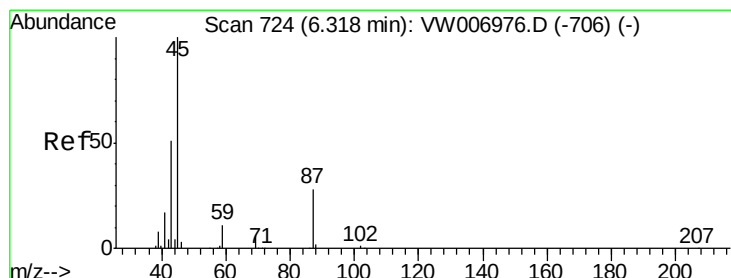
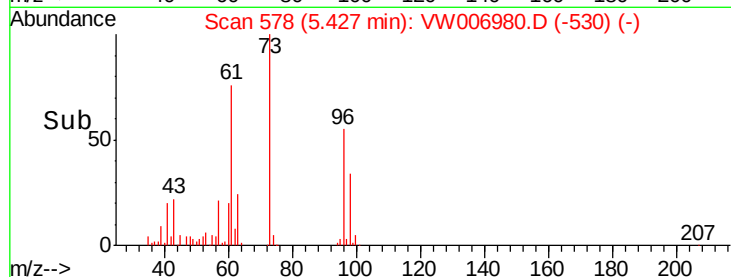
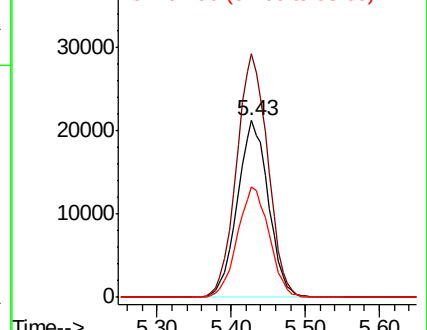


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 47.229 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

Tgt Ion: 45 Resp: 171159

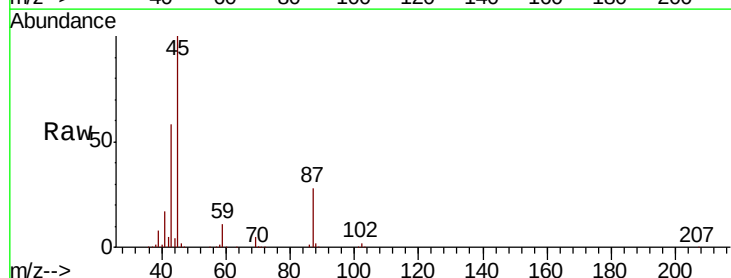
Ion Ratio Lower Upper

45 100

43 57.1 42.5 63.7

87 27.7 22.8 34.2

59 10.7 9.1 13.7



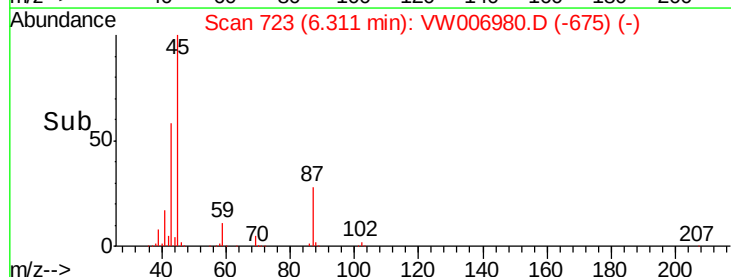
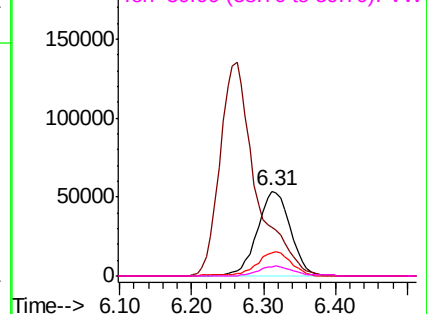
Abundance

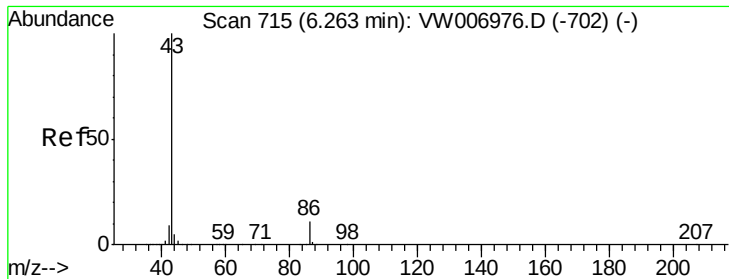
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 242.824 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

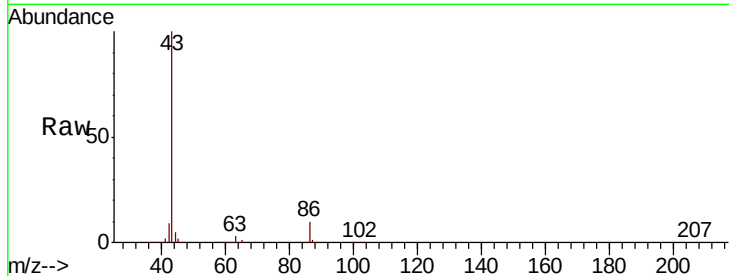
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 467319

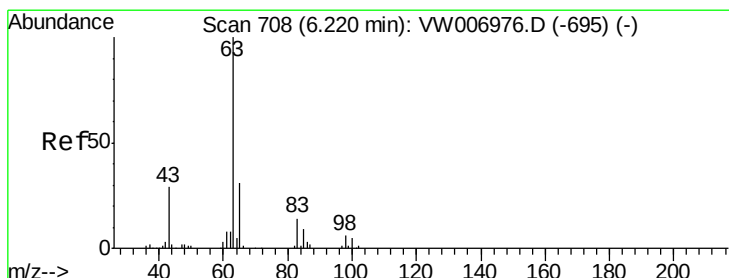
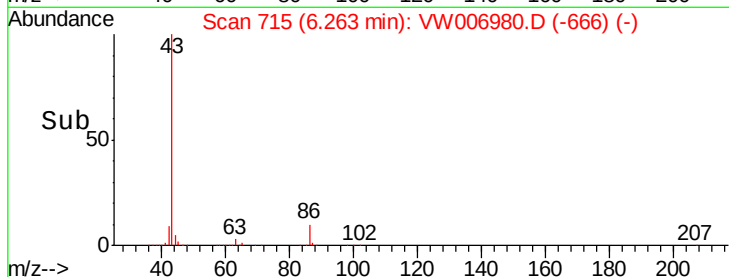
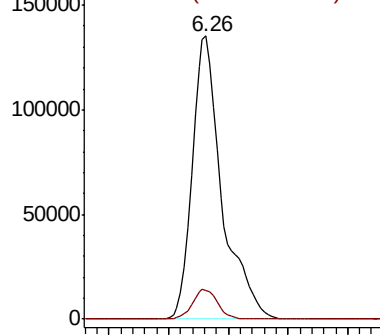
Ion Ratio Lower Upper

43 100

86 10.2 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 46.709 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

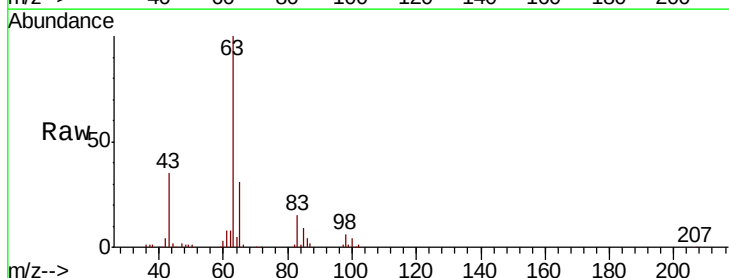
Tgt Ion: 63 Resp: 102979

Ion Ratio Lower Upper

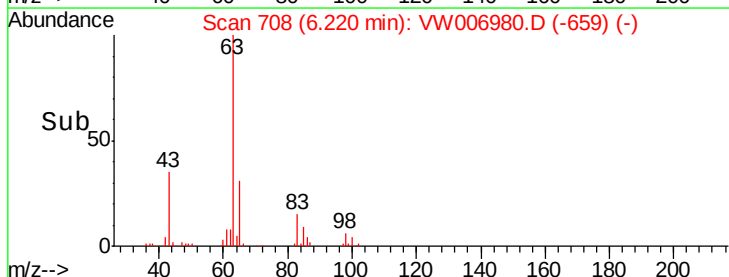
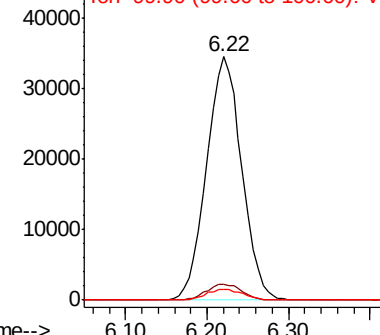
63 100

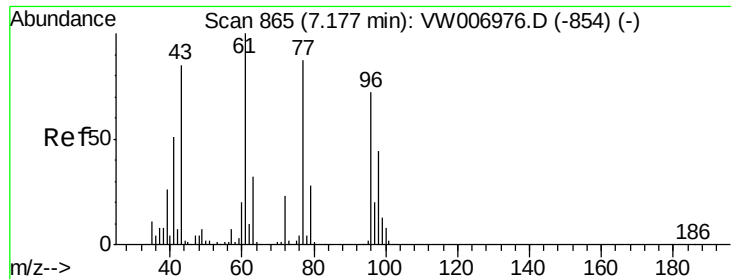
98 6.4 3.1 9.4

100 4.3 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 223.382 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

Instrument :

MSVOA_W

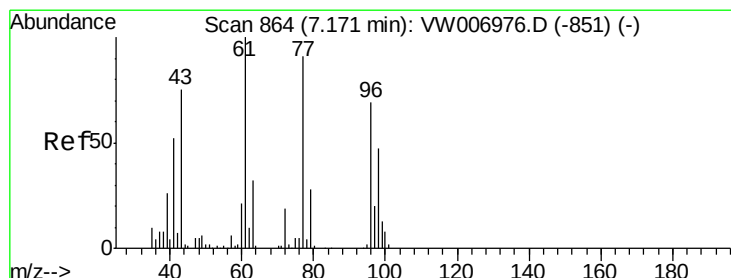
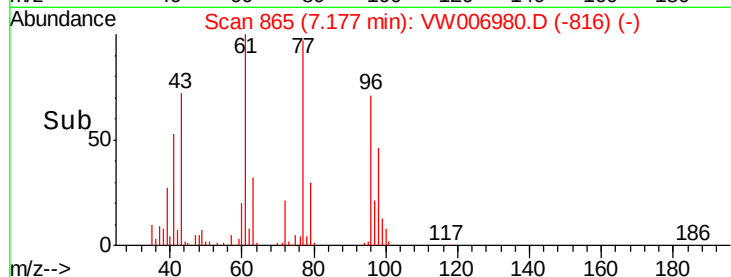
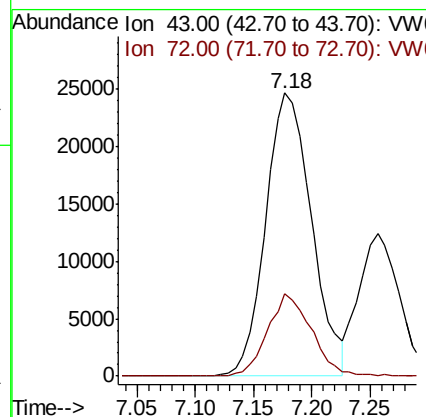
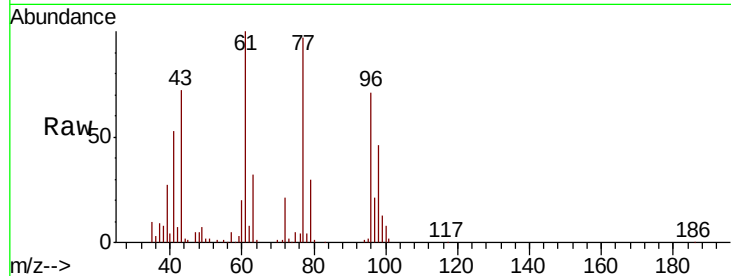
ClientSampled :

Tot Ion: 43 Resp: 67447

Ion Ratio Lower Upper

43 100

72 28.9 21.3 31.9



#26

2,2-Dichloropropane

Concen: 49.681 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006980.D

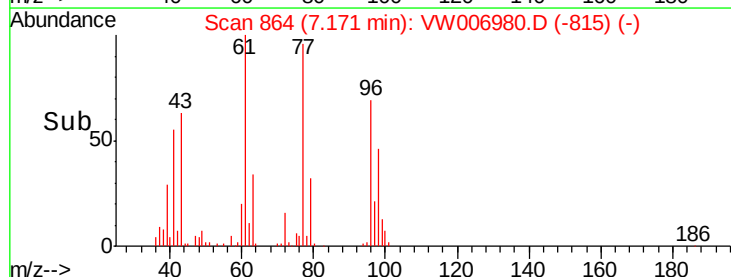
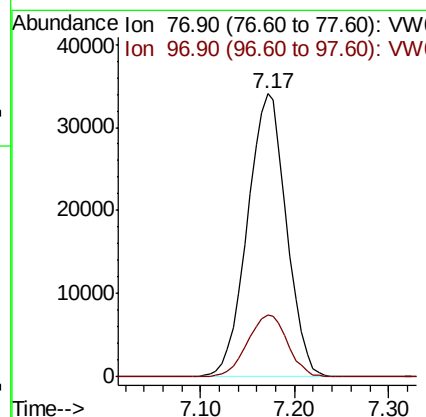
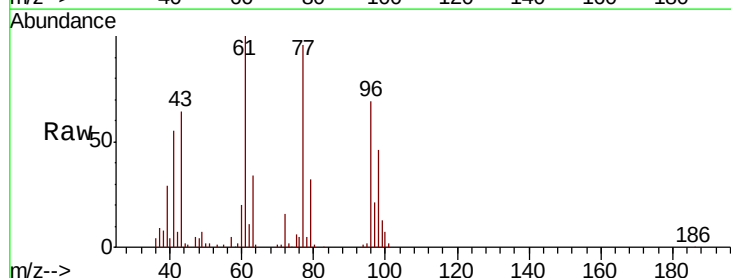
Acq: 20 Nov 2018 16:55

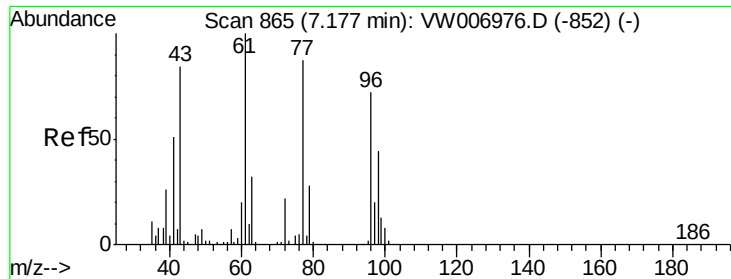
Tgt Ion: 77 Resp: 98496

Ion Ratio Lower Upper

77 100

97 22.4 11.4 34.1



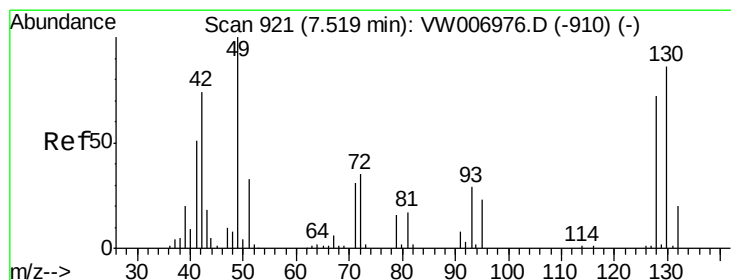
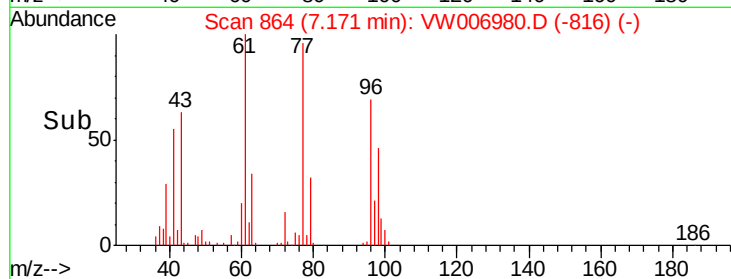
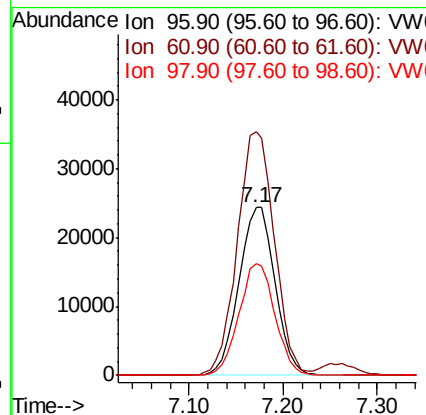
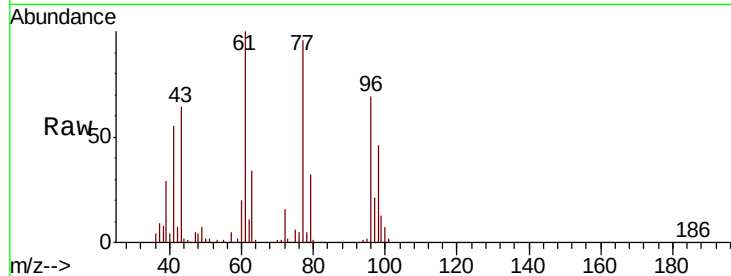


#27

cis-1,2-Dichloroethene
Concen: 46.737 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Instrument :
MSVOA_W
ClientSampleId :

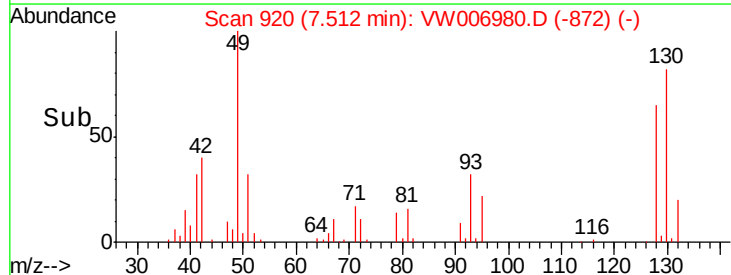
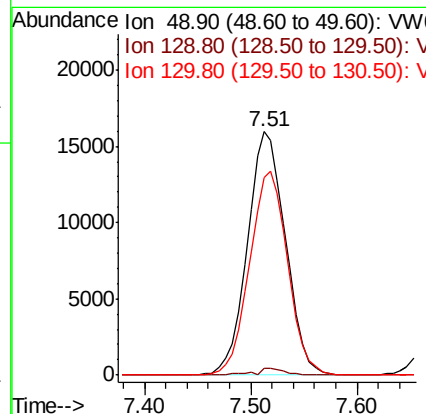
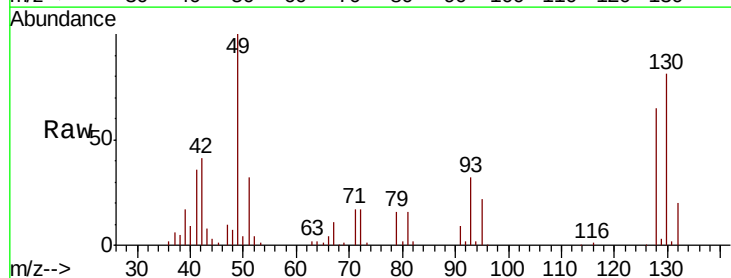
Tot Ion	96	Resp	65085
Ion Ratio	100	Lower	Upper
96	100	0.0	292.6
61	148.5	0.0	129.8
98	65.9	0.0	

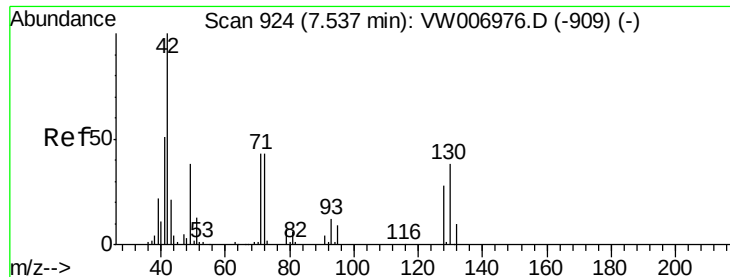


#28

Bromochloromethane
Concen: 48.436 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Tgt Ion	49	Resp	39911
Ion Ratio	100	Lower	Upper
49	100	0.0	2.0#
129	2.0	69.0	103.4
130	83.9		

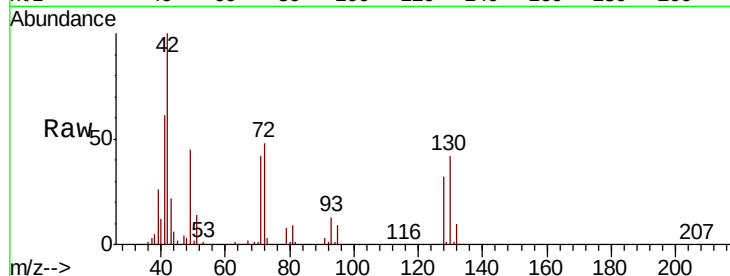




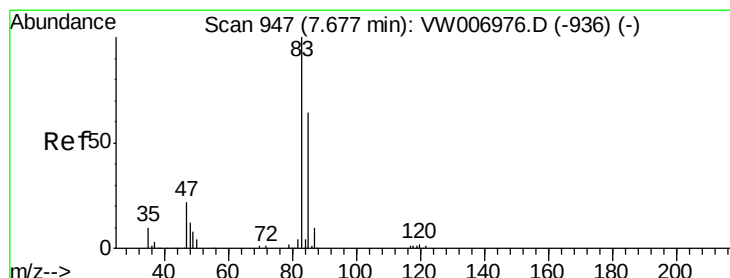
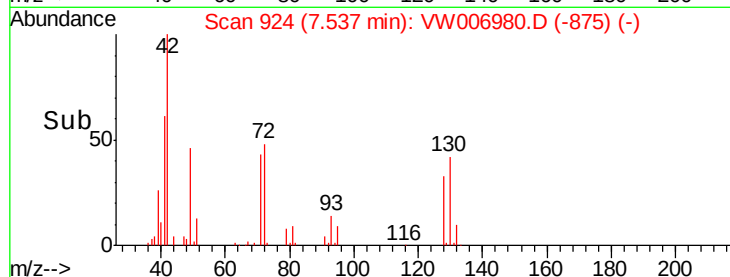
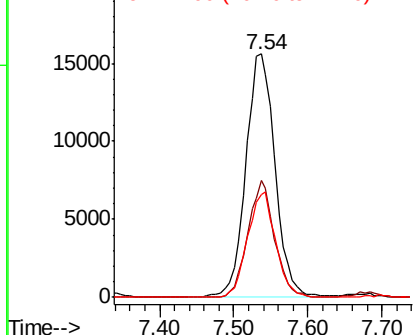
#29
Tetrahydrofuran
Concen: 220.007 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 43022
Ion Ratio Lower Upper
42 100
72 43.6 36.2 54.4
71 41.3 33.8 50.8

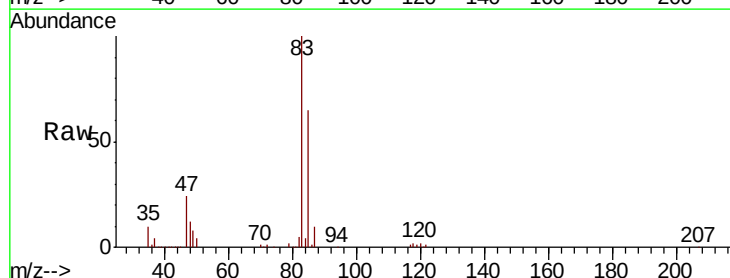


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

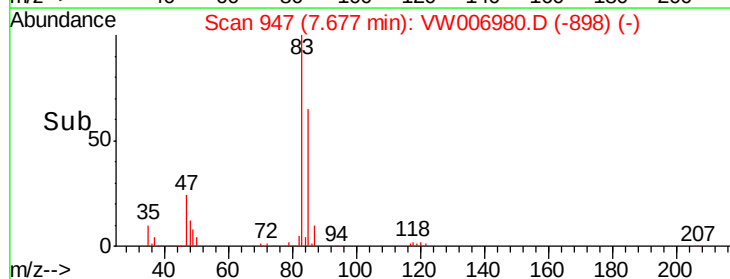
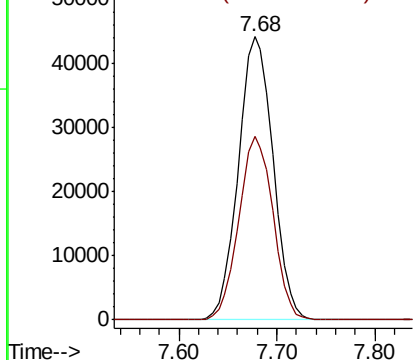


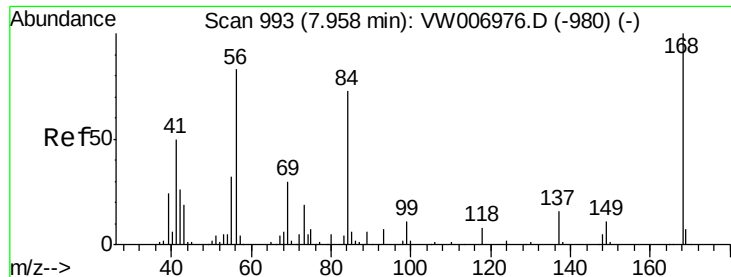
#30
Chloroform
Concen: 46.266 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Tgt Ion: 83 Resp: 108365
Ion Ratio Lower Upper
83 100
85 65.0 50.9 76.3



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

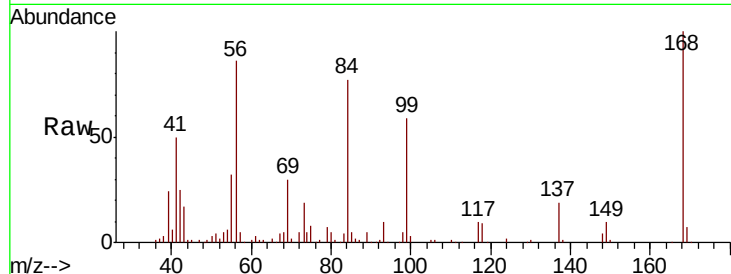




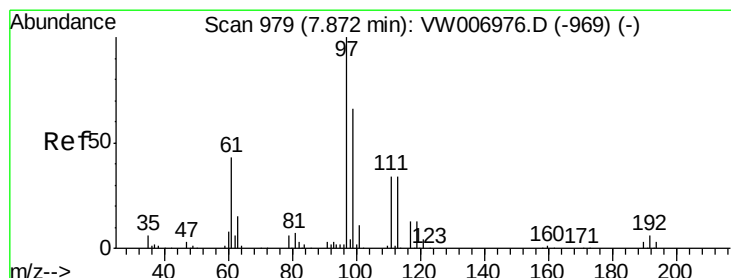
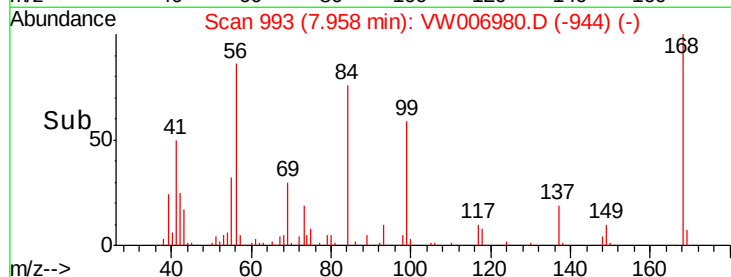
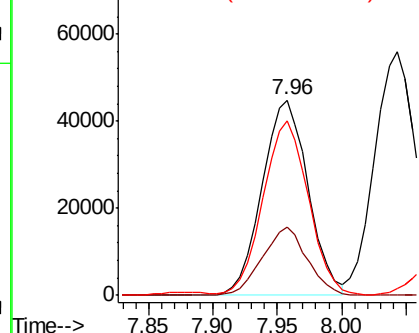
#31
Cyclohexane
Concen: 47.454 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 110971
Ion Ratio Lower Upper
56 100
69 35.0 29.1 43.7
84 88.2 70.6 105.8

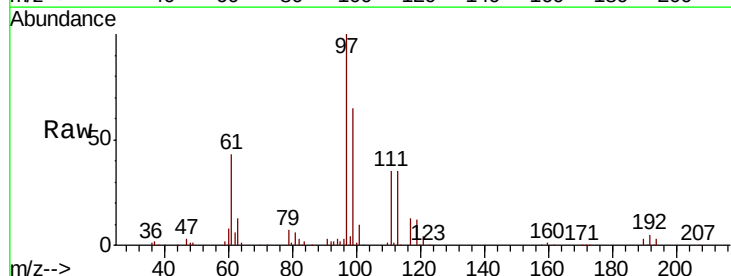


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

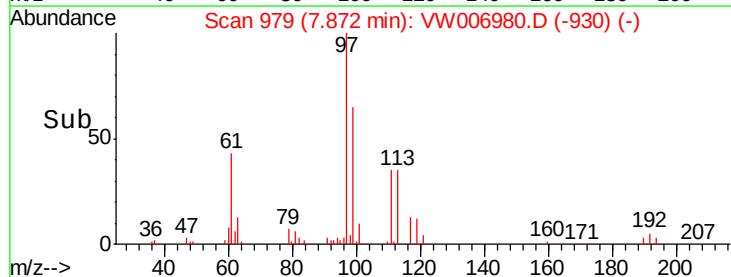
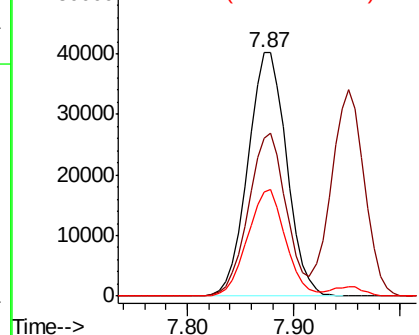


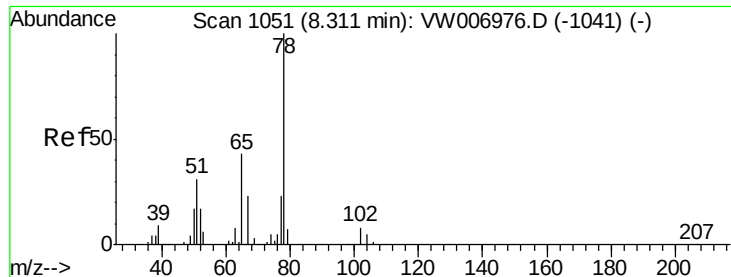
#32
1,1,1-Trichloroethane
Concen: 48.703 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Tgt Ion: 97 Resp: 102749
Ion Ratio Lower Upper
97 100
99 65.5 51.9 77.9
61 43.0 33.4 50.2



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

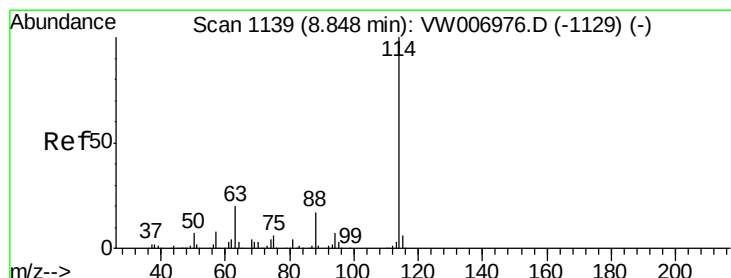
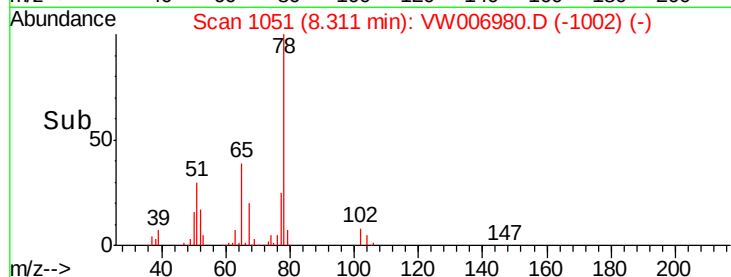
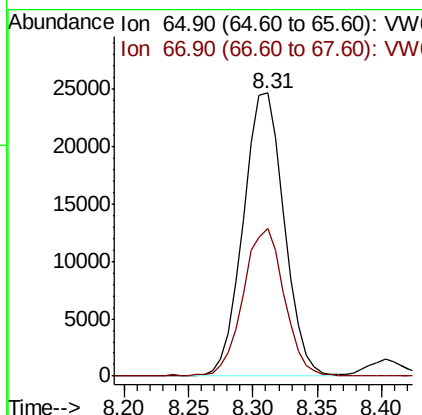
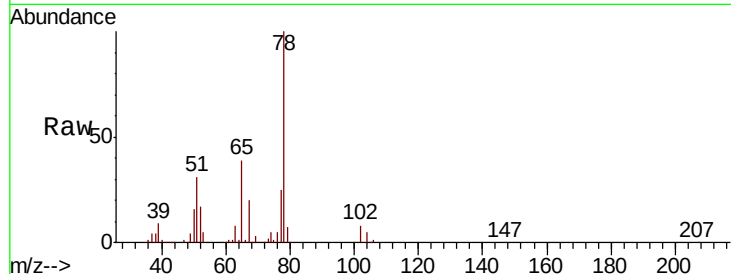




#33
 1,2-Dichloroethane-d4
 Concen: 44.729 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 16:55

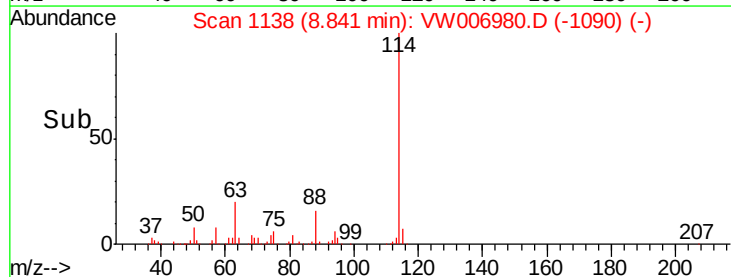
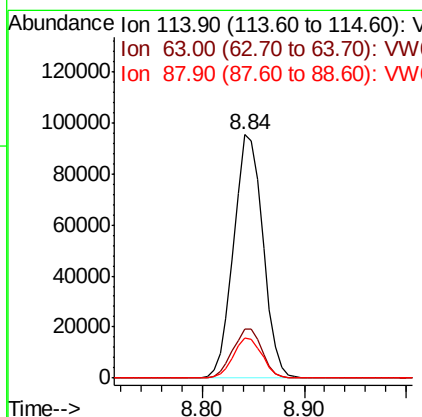
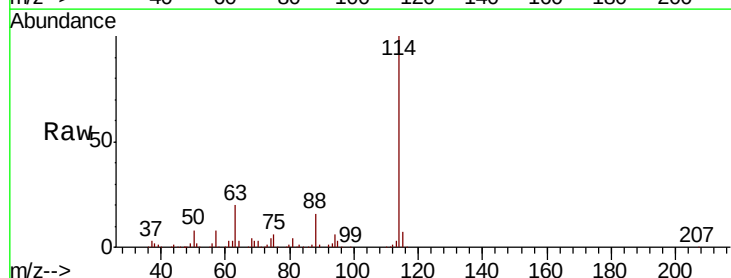
Instrument :
 MSVOA_W
 ClientSampled :

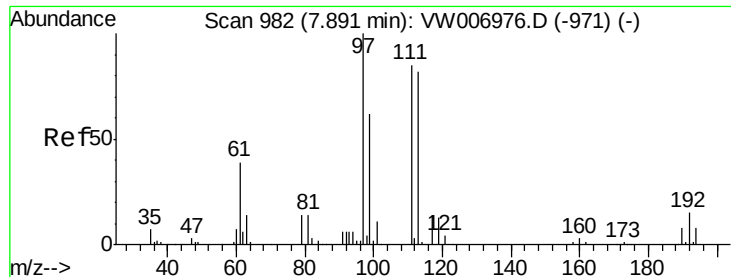
Tot Ion: 65 Resp: 54311
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 16:55

Tgt Ion: 114 Resp: 189501
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.4
 88 16.2 0.0 34.2

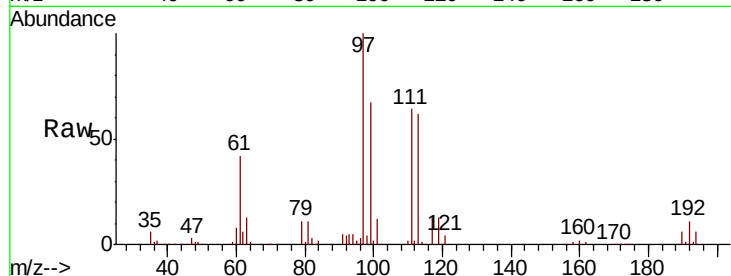




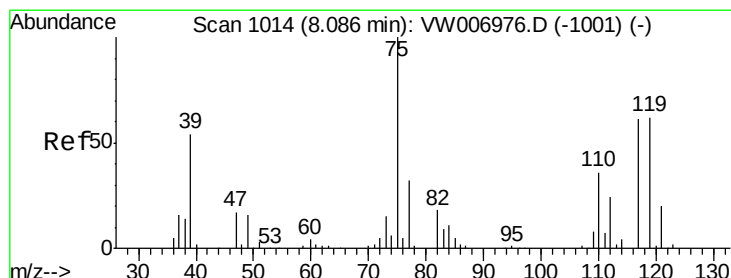
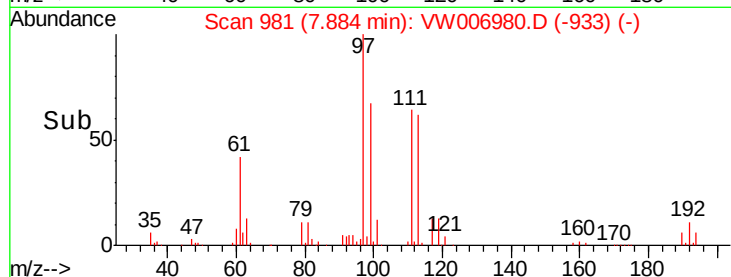
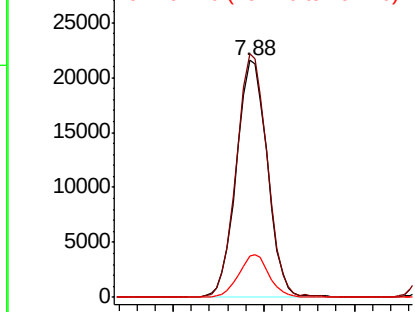
#35
Dibromofluoromethane
Concen: 47.756 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.01 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:113 Resp: 51107
Ion Ratio Lower Upper
113 100
111 102.4 81.0 121.6
192 17.5 15.0 22.6

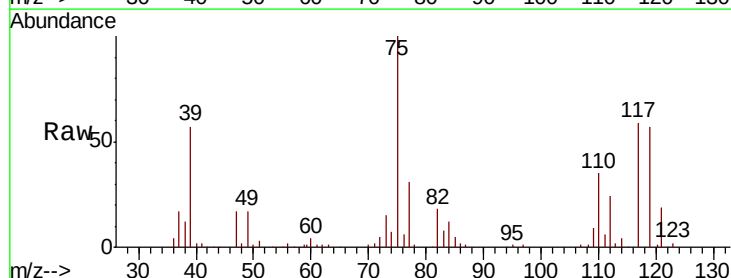


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

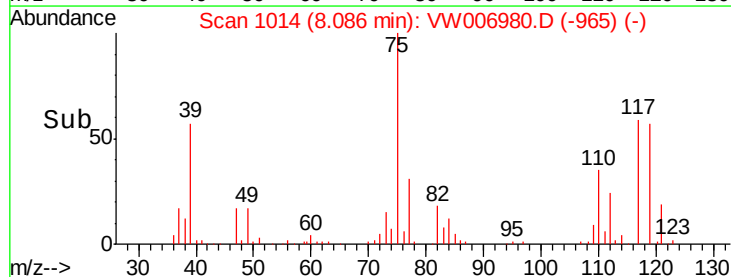
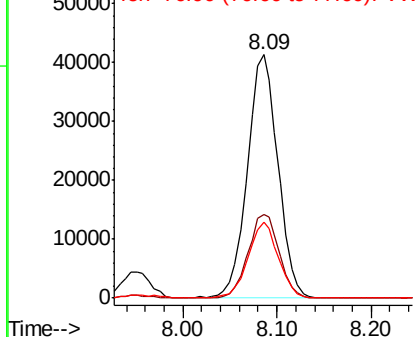


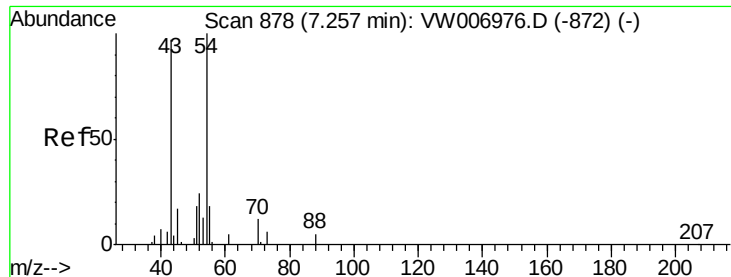
#36
1,1-Dichloropropene
Concen: 50.887 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Tgt Ion: 75 Resp: 94234
Ion Ratio Lower Upper
75 100
110 35.0 18.0 54.0
77 30.7 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

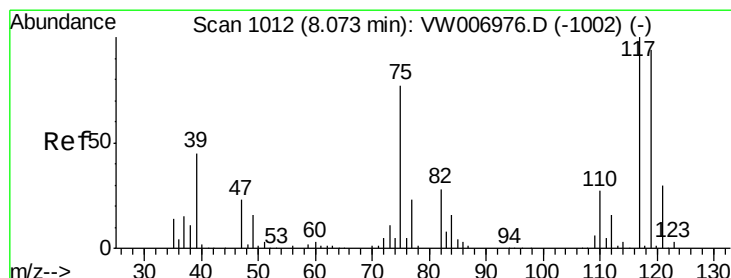
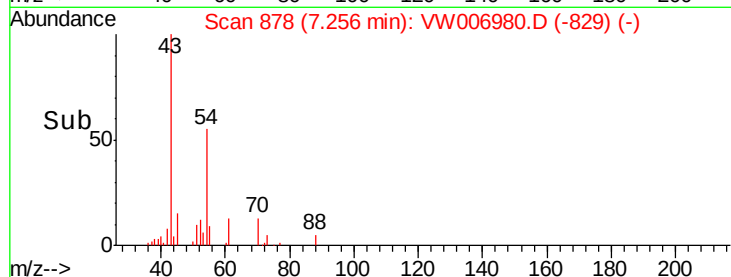
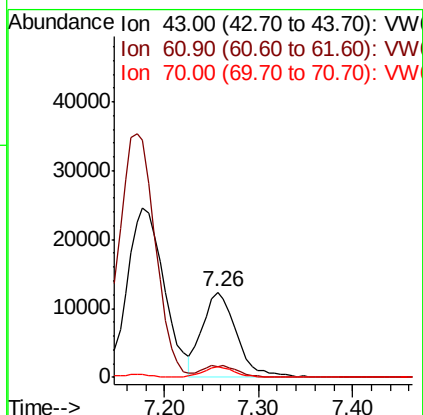
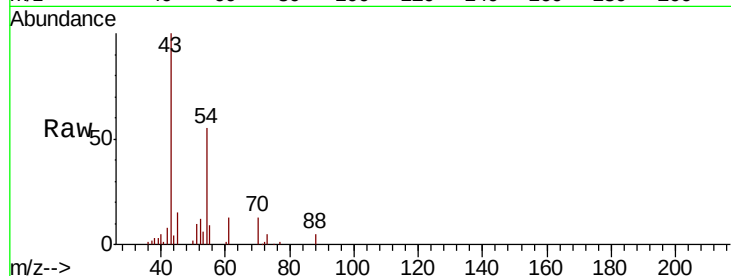




#37
Ethyl Acetate
Concen: 46.798 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

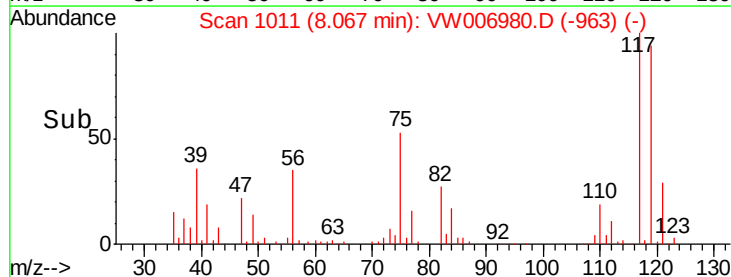
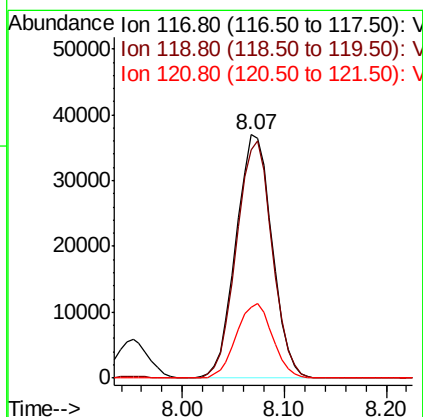
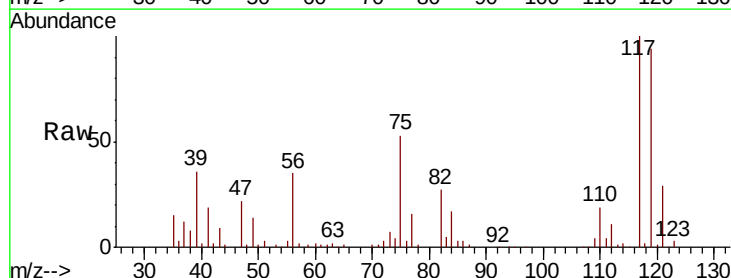
Instrument :
MSVOA_W
ClientSampleId :

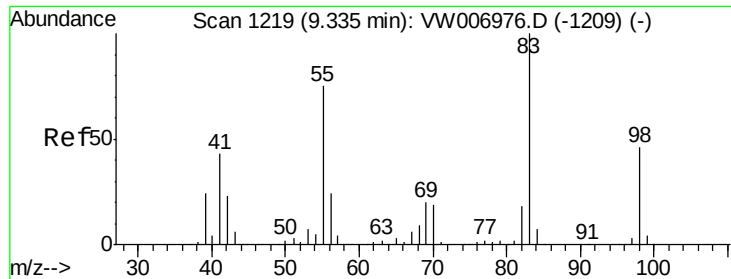
Tot Ion: 43 Resp: 31404
Ion Ratio Lower Upper
43 100
61 13.6 10.4 15.6
70 11.0 8.8 13.2



#38
Carbon Tetrachloride
Concen: 51.293 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Tgt Ion: 117 Resp: 90957
Ion Ratio Lower Upper
117 100
119 93.8 74.9 112.3
121 29.0 23.6 35.4

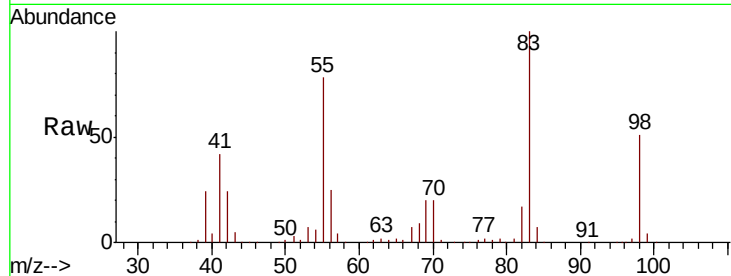




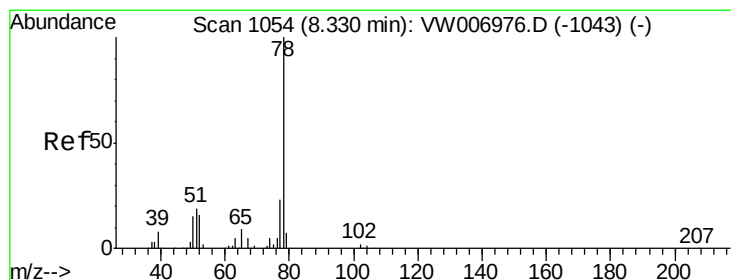
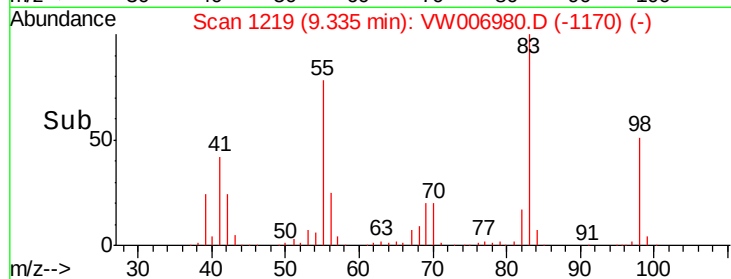
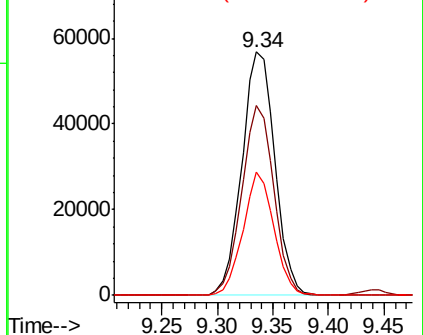
#39
Methylvlcyclohexane
Concen: 50.584 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 117222
Ion Ratio Lower Upper
83 100
55 77.8 59.6 89.4
98 50.8 37.1 55.7

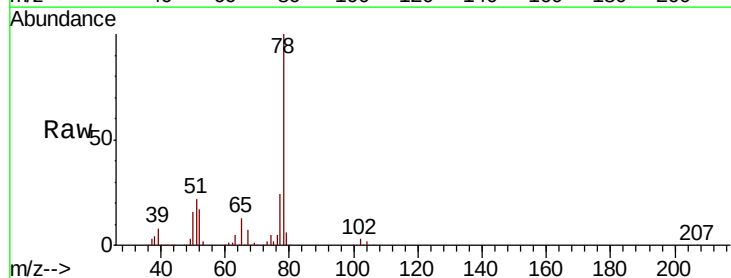


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

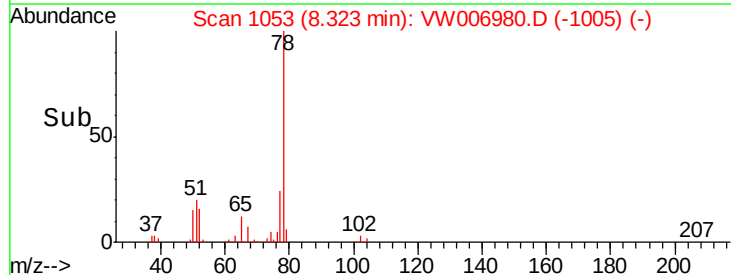
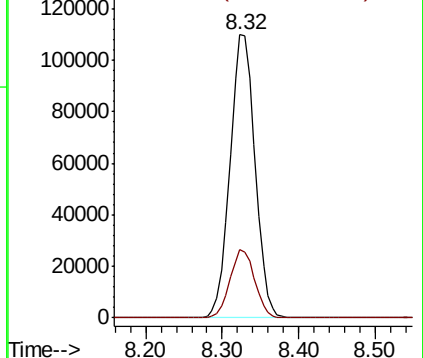


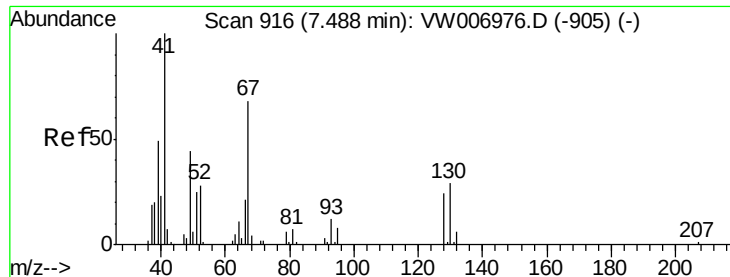
#40
Benzene
Concen: 49.645 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Tgt Ion: 78 Resp: 248160
Ion Ratio Lower Upper
78 100
77 24.0 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

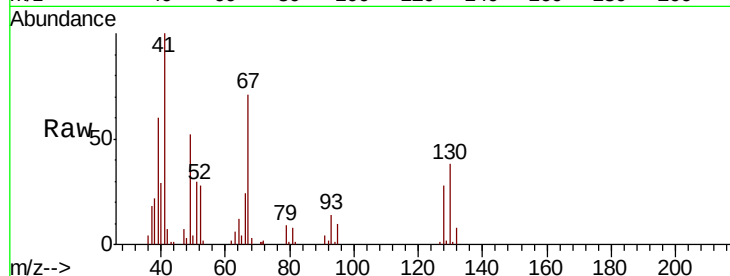




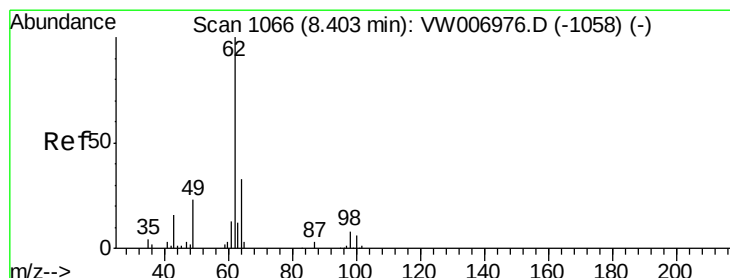
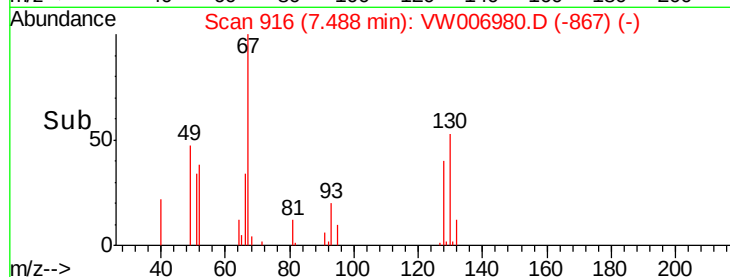
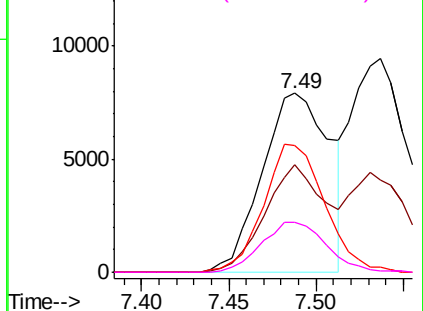
#41
Methacrylonitrile
Concen: 51.154 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	21318
Ion	Ratio	Lower	Upper
41	100		
39	54.0	48.6	73.0
67	64.7	59.8	89.8
52	27.1	24.8	37.2

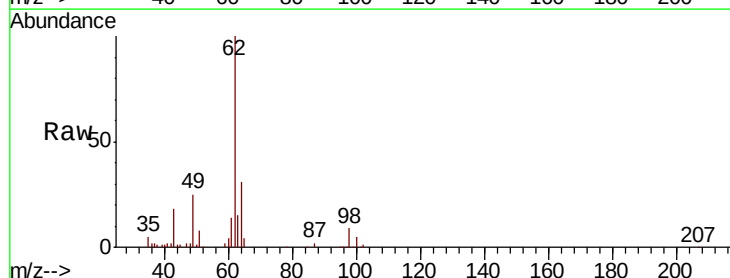


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

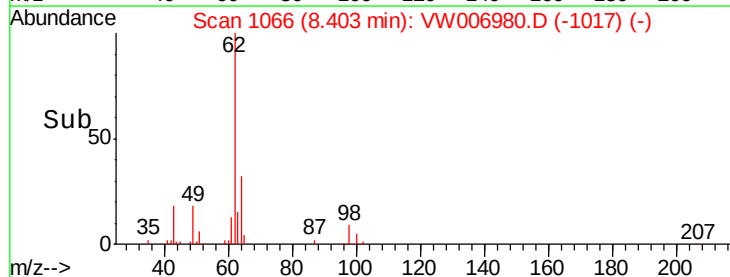
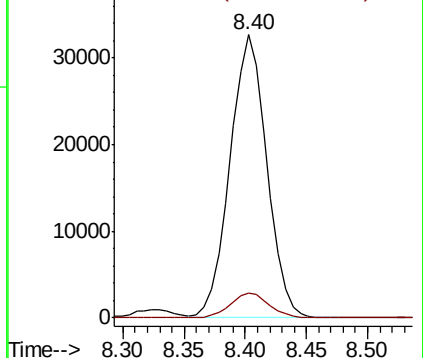


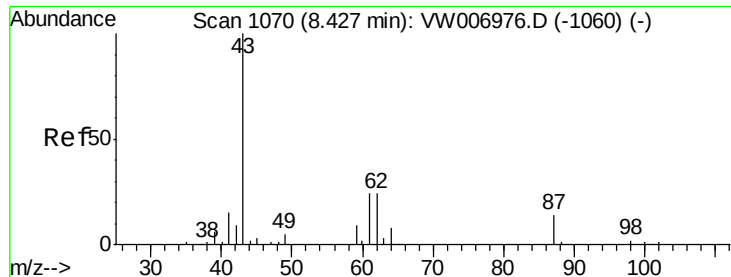
#42
1,2-Dichloroethane
Concen: 46.867 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Tgt Ion:	62	Resp:	68016
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 47.610 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

Instrument :

MSVOA_W

ClientSampleId :

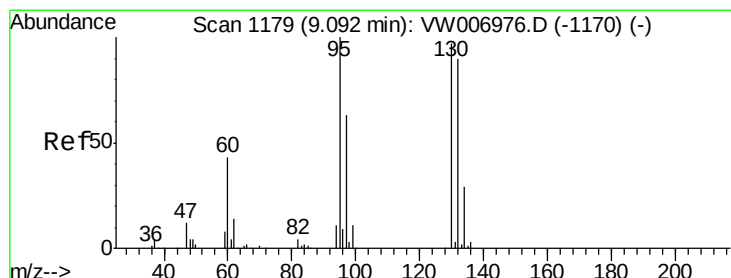
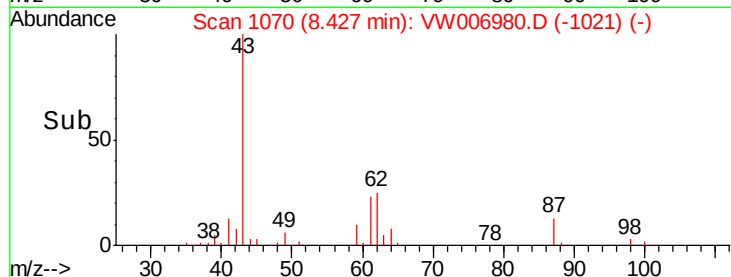
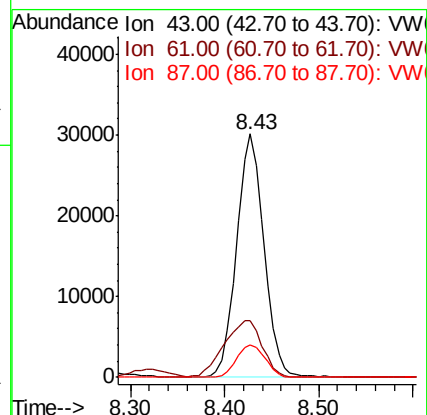
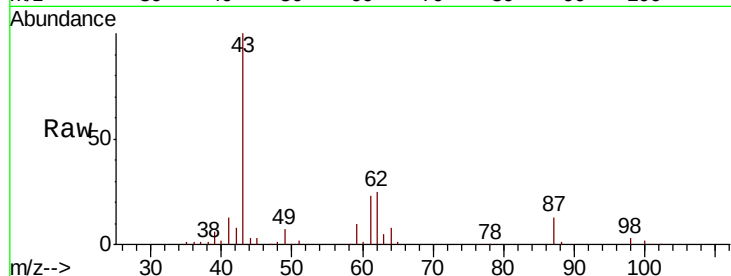
Tot Ion: 43 Resp: 60884

Ion Ratio Lower Upper

43 100

61 32.2 26.1 39.1

87 14.0 11.2 16.8



#44

Trichloroethene

Concen: 49.411 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW006980.D

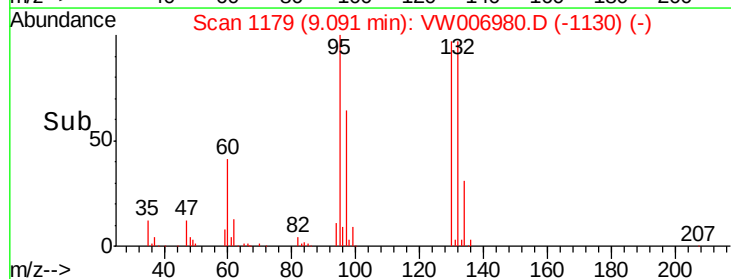
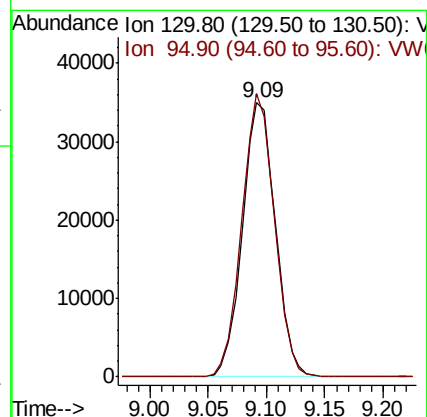
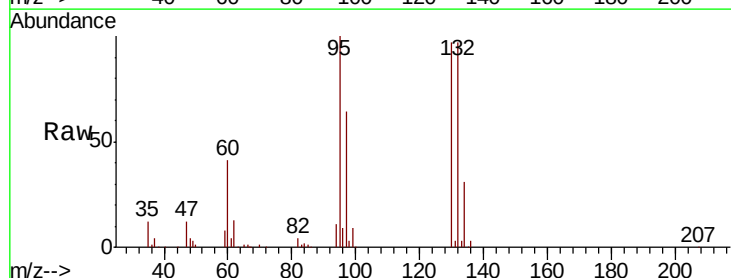
Acq: 20 Nov 2018 16:55

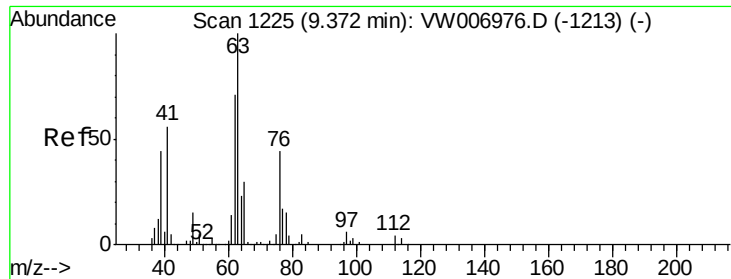
Tgt Ion: 130 Resp: 69238

Ion Ratio Lower Upper

130 100

95 103.4 0.0 206.4

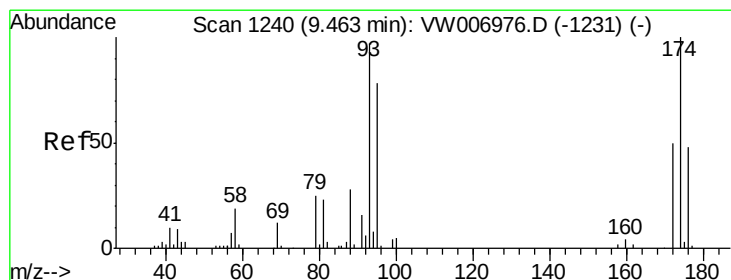
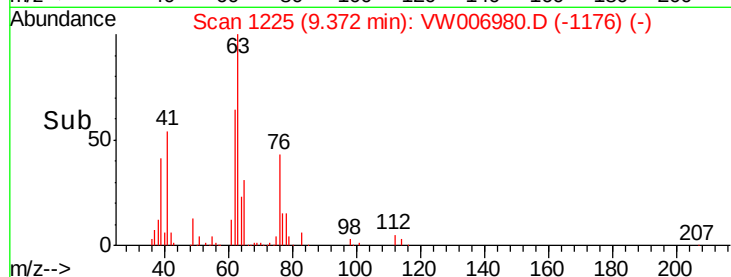
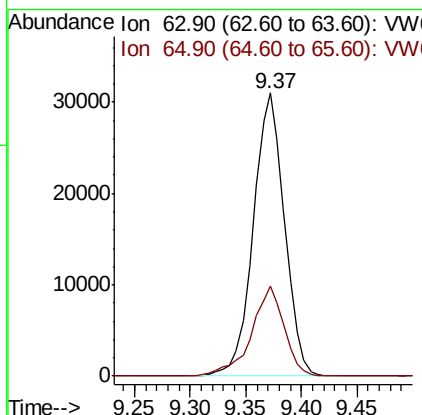
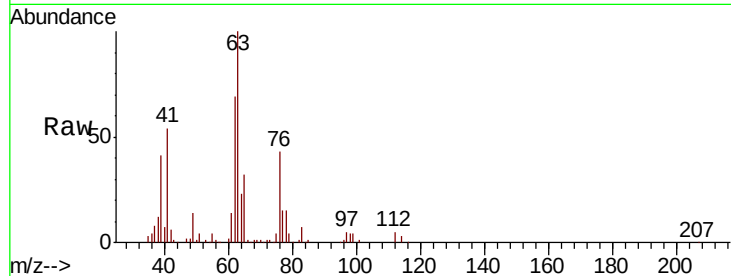




#45
 1,2-Dichloropropane
 Concen: 49.004 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 16:55

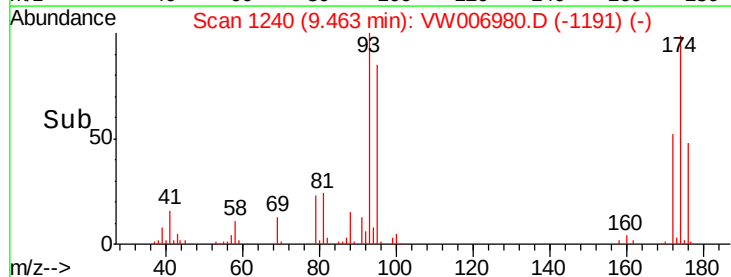
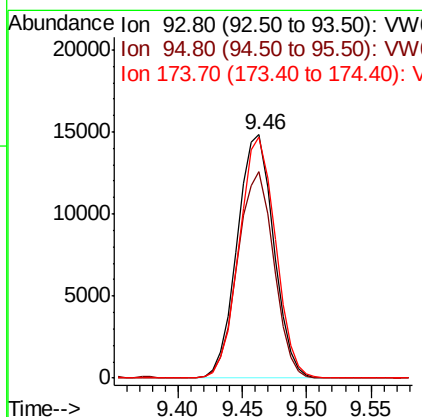
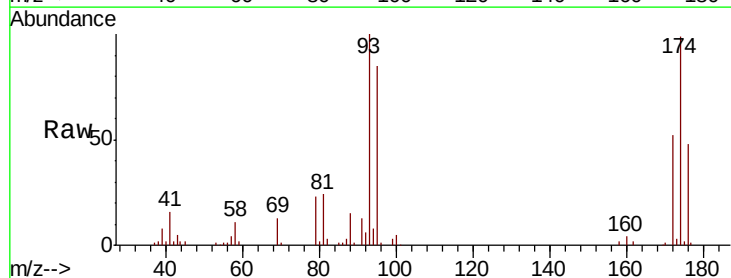
Instrument :
 MSVOA_W
 ClientSampleId :

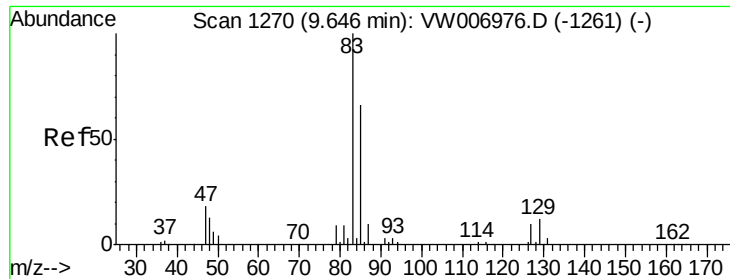
Tot Ion: 63 Resp: 60383
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.4 36.6



#46
 Dibromomethane
 Concen: 47.294 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 16:55

Tgt Ion: 93 Resp: 29184
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.1 99.1
 174 98.1 79.7 119.5





#47

Bromodichloromethane

Concen: 49.400 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

Instrument :

MSVOA_W

ClientSampled :

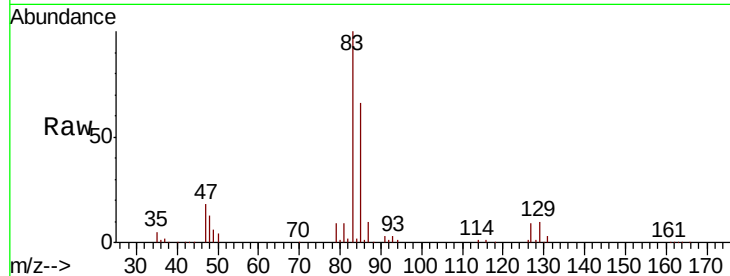
Tot Ion: 83 Resp: 80314

Ion Ratio Lower Upper

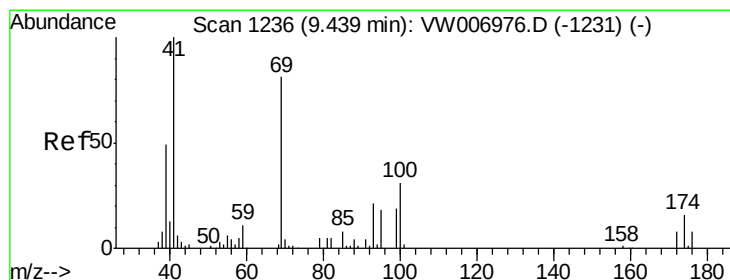
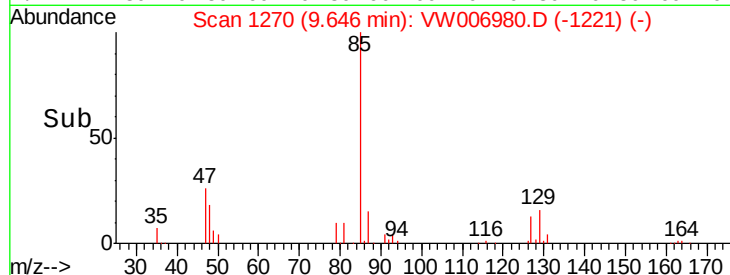
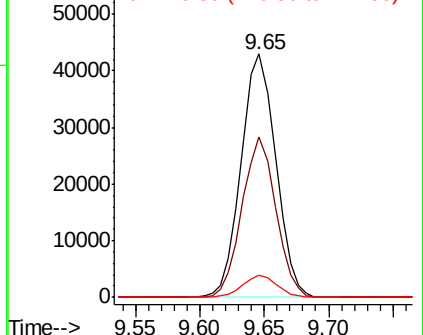
83 100

85 65.9 52.9 79.3

127 8.9 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

Methyl methacrylate

Concen: 51.566 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

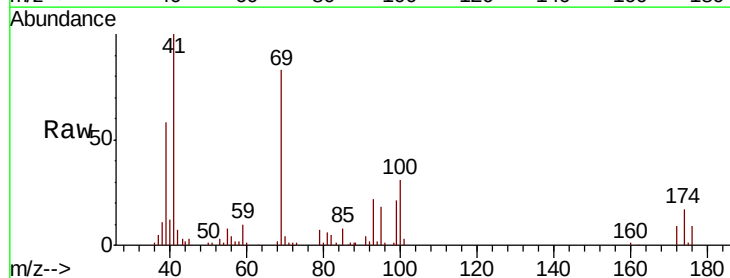
Tgt Ion: 41 Resp: 31796

Ion Ratio Lower Upper

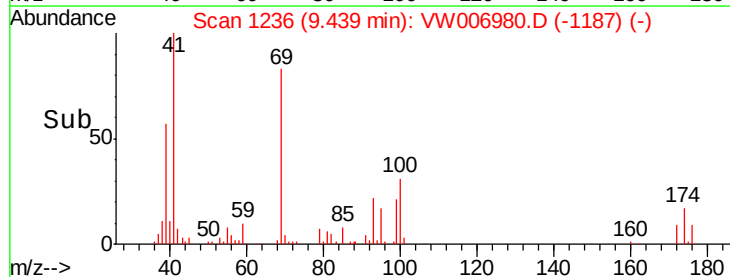
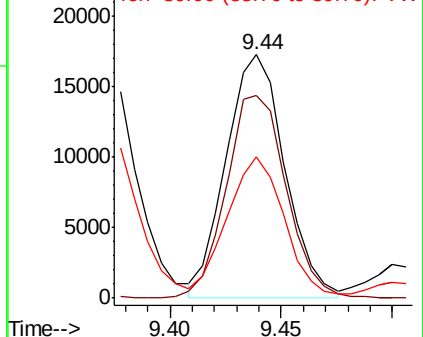
41 100

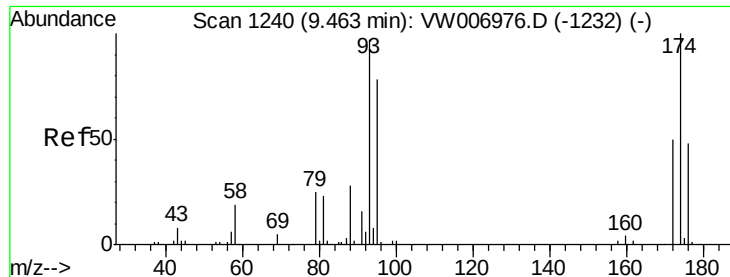
69 85.2 71.4 107.0

39 53.3 44.8 67.2



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

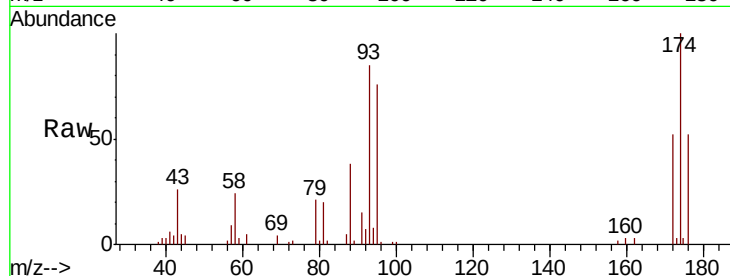




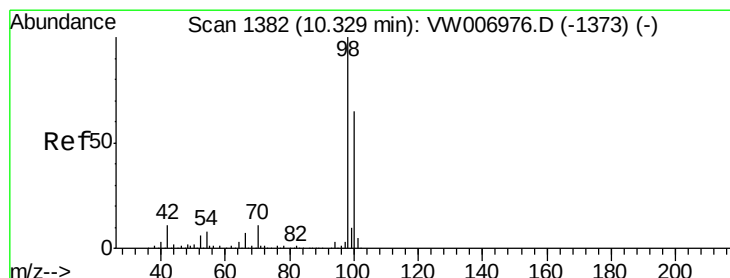
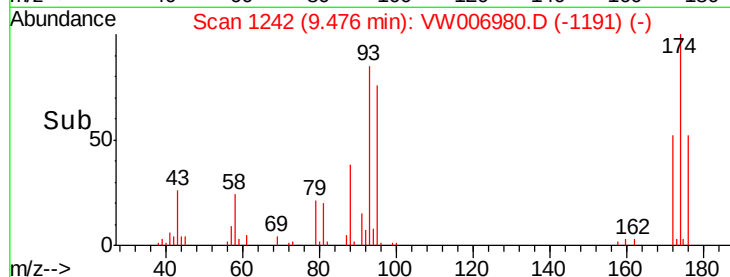
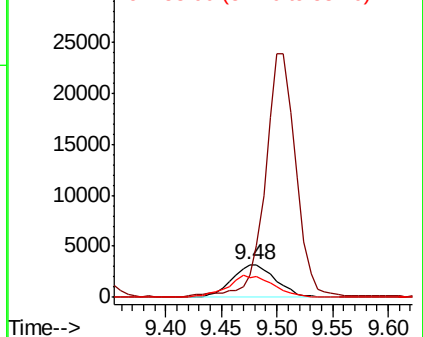
#49
1,4-Dioxane
Concen: 964.934 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 8850
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 68.9 59.0 88.6

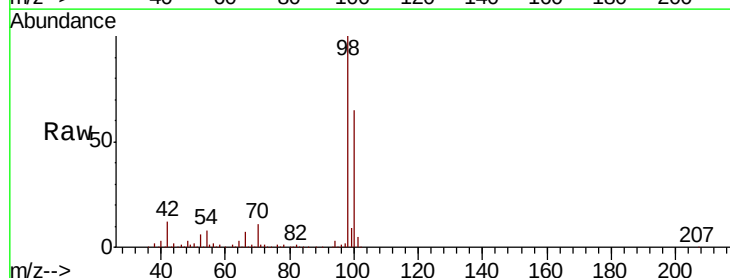


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

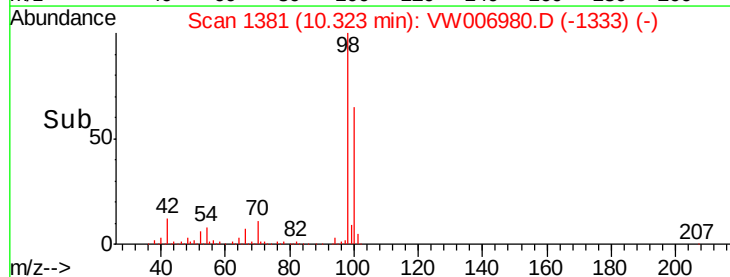
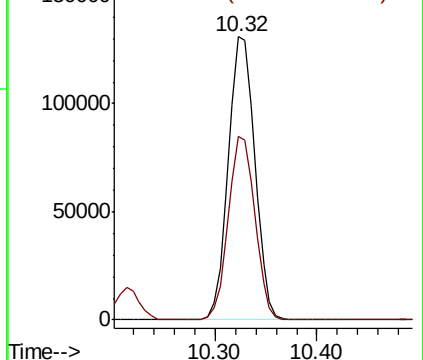


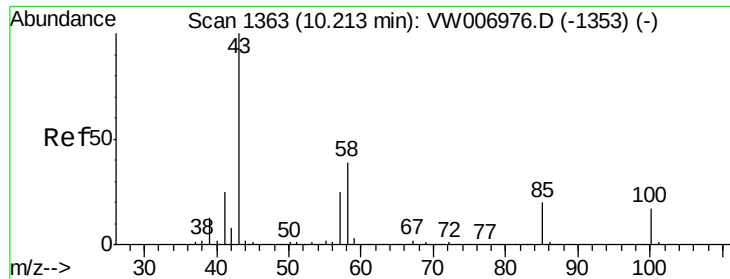
#50
Toluene-d8
Concen: 49.772 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Tgt Ion: 98 Resp: 235205
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

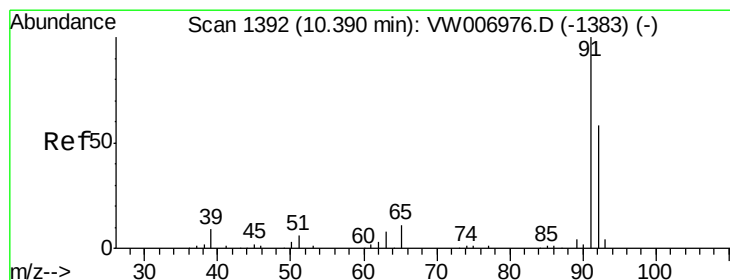
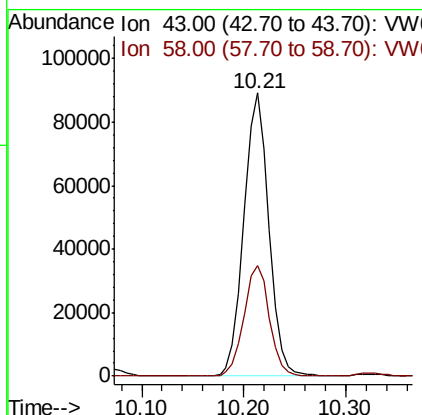
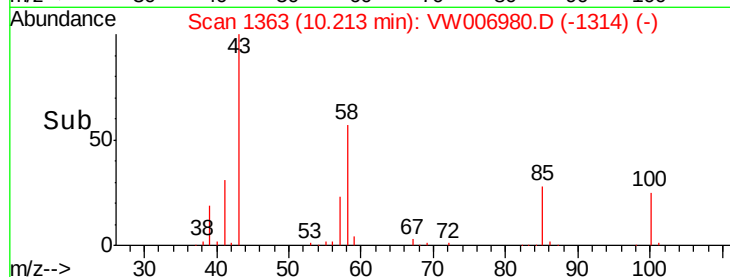
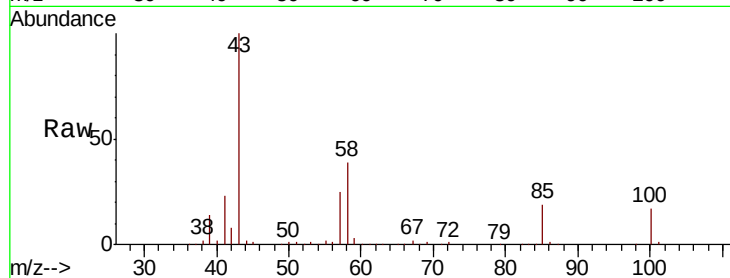




#51
4-Methyl-2-Pentanone
Concen: 235.545 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

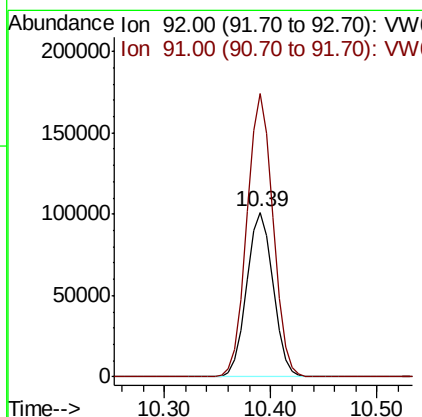
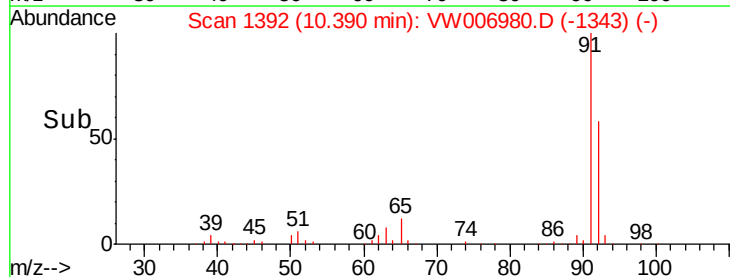
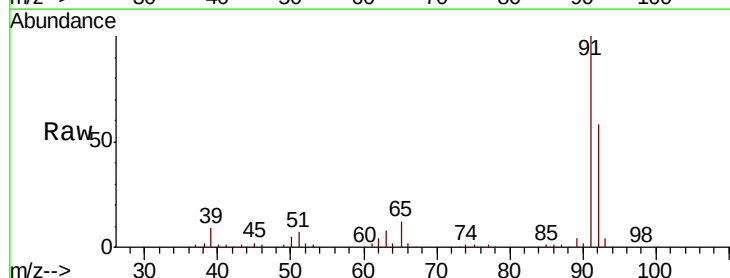
Instrument :
MSVOA_W
ClientSampled :

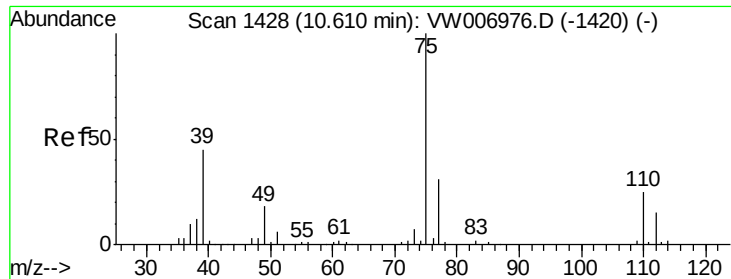
Tot Ion: 43 Resp: 152220
Ion Ratio Lower Upper
43 100
58 39.7 31.8 47.6



#52
Toluene
Concen: 51.795 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Tgt Ion: 92 Resp: 176198
Ion Ratio Lower Upper
92 100
91 170.4 137.3 205.9

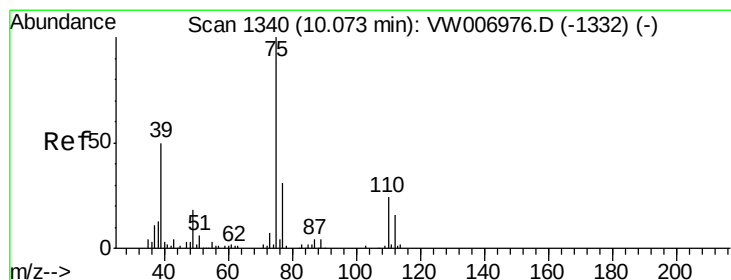
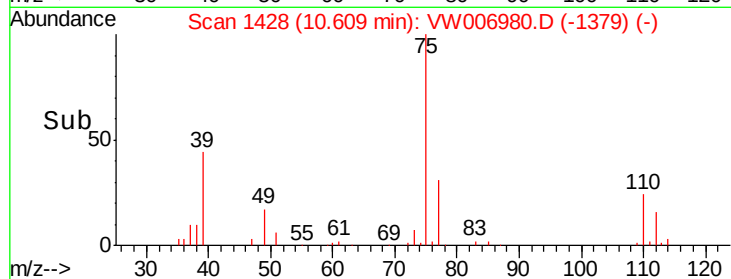
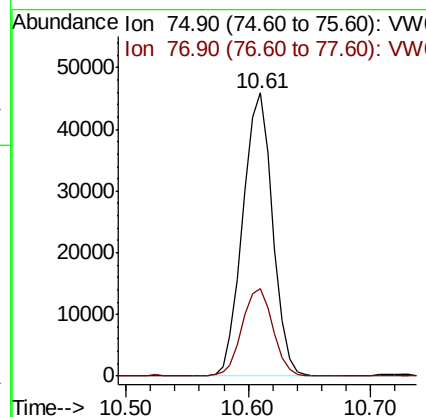
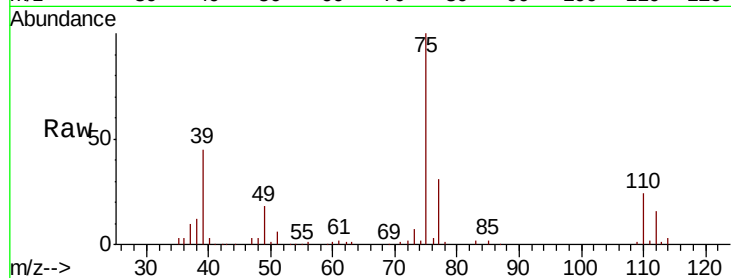




#53
t-1,3-Dichloropropene
Concen: 49.261 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

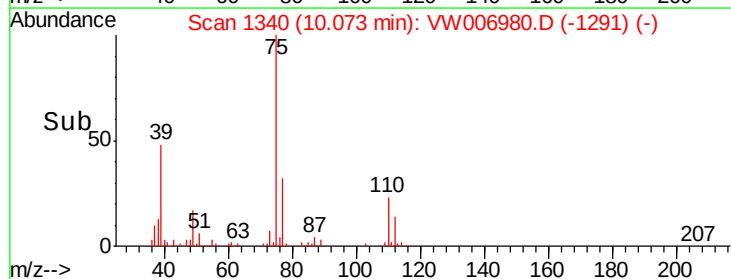
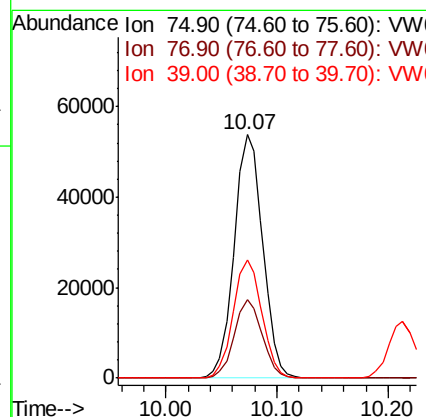
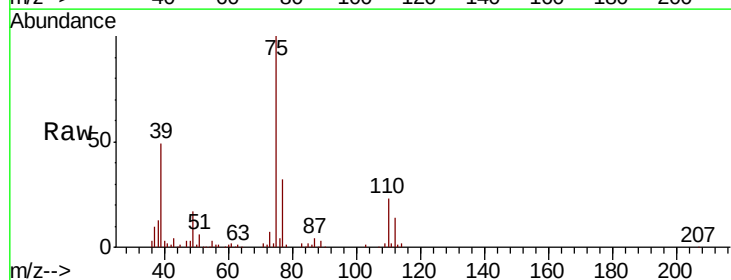
Instrument :
MSVOA_W
ClientSampleId :

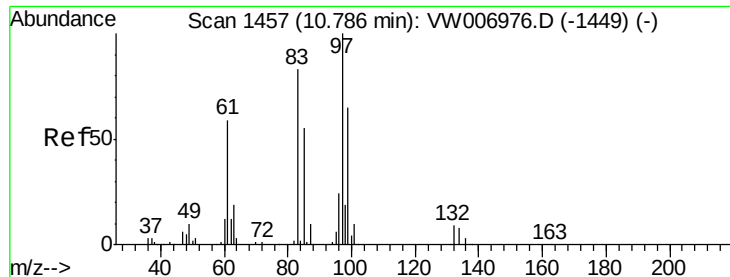
Tot Ion: 75 Resp: 77583
Ion Ratio Lower Upper
75 100
77 31.1 24.7 37.1



#54
cis-1,3-Dichloropropene
Concen: 50.149 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Tgt Ion: 75 Resp: 95421
Ion Ratio Lower Upper
75 100
77 32.3 25.0 37.6
39 48.6 39.9 59.9

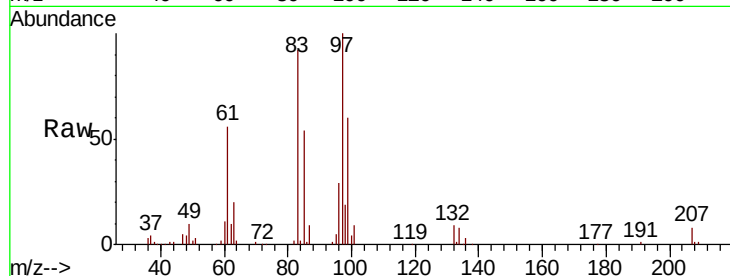




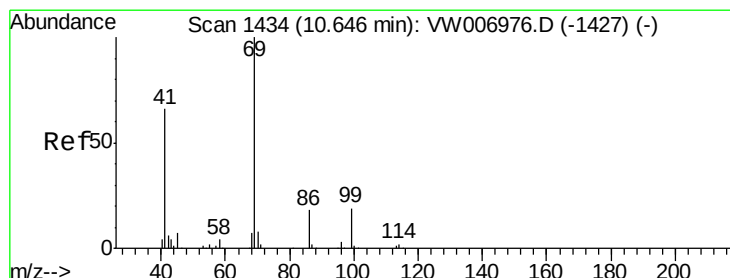
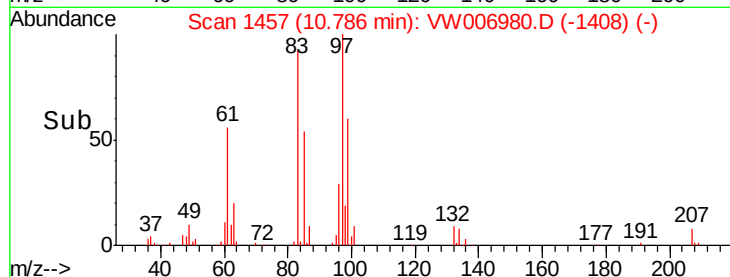
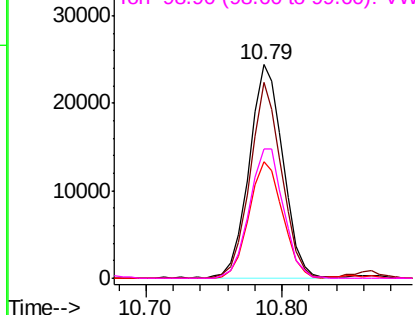
#55
 1,1,2-Trichloroethane
 Concen: 46.814 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 16:55

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	42501
Ion	Ratio	Lower	Upper
97	100		
83	91.8	66.4	99.6
85	54.4	44.1	66.1
99	60.5	51.7	77.5

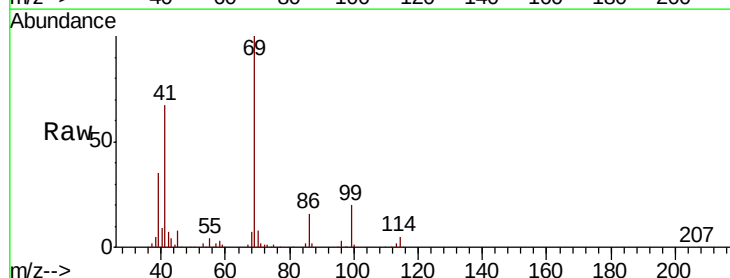


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

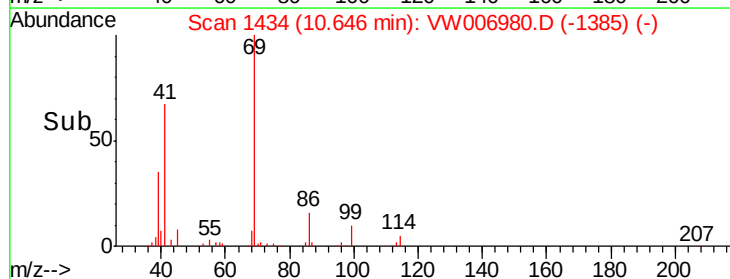
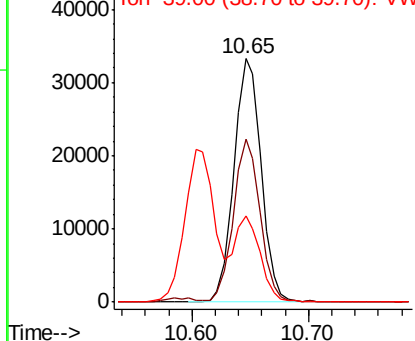


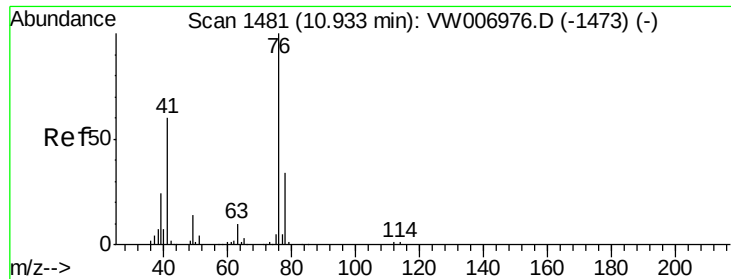
#56
 Ethyl methacrylate
 Concen: 51.473 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 16:55

Tgt Ion:	69	Resp:	54244
Ion	Ratio	Lower	Upper
69	100		
41	65.5	53.4	80.0
39	34.2	28.2	42.4



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

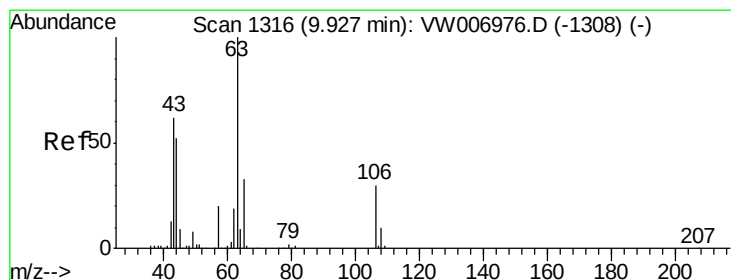
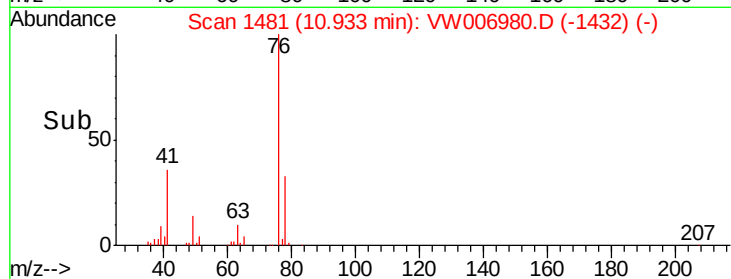
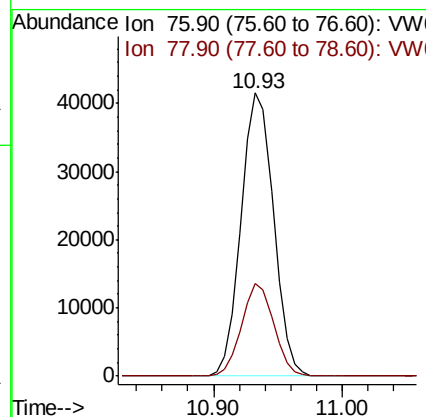
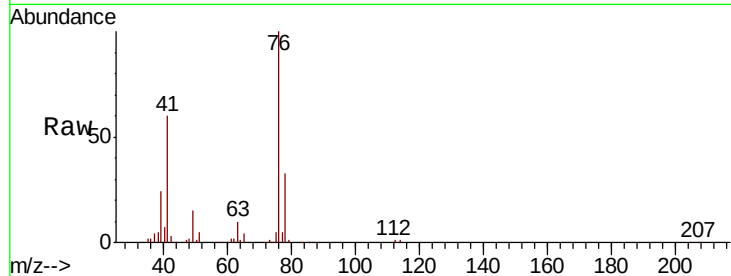




#57
 1,3-Dichloropropane
 Concen: 47.606 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 16:55

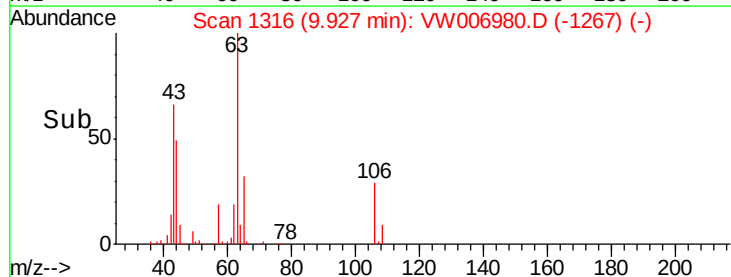
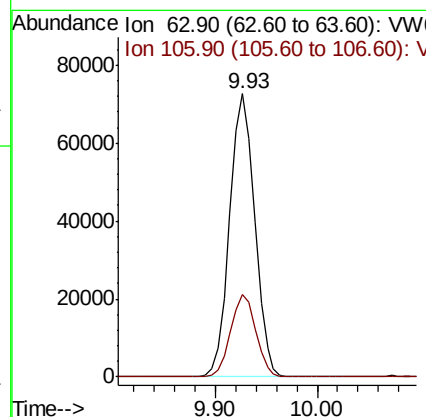
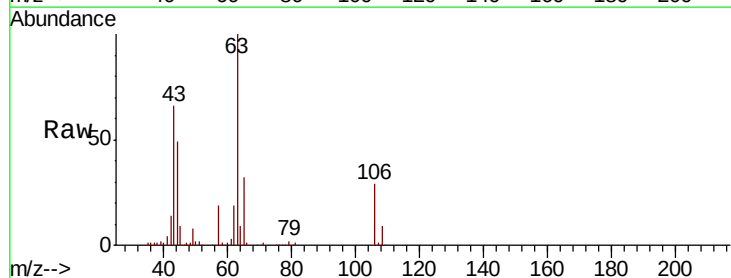
Instrument :
 MSVOA_W
 ClientSampled :

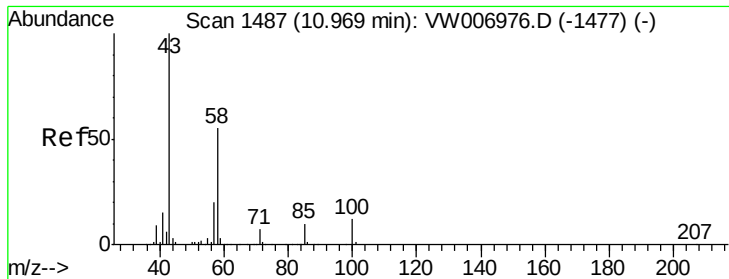
Tot Ion: 76 Resp: 72429
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 224.128 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 16:55

Tgt Ion: 63 Resp: 123425
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.5 35.3

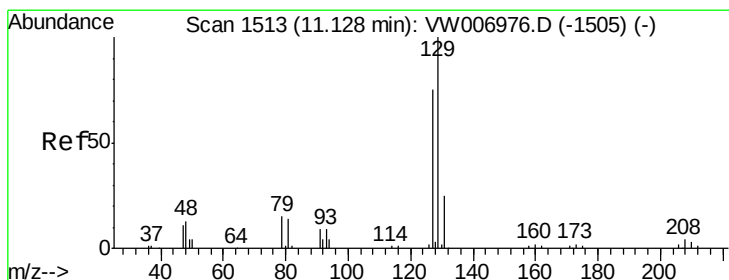
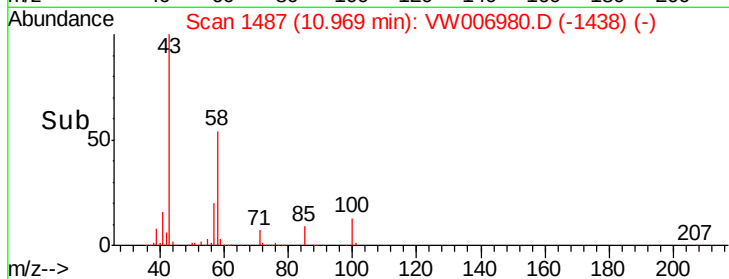
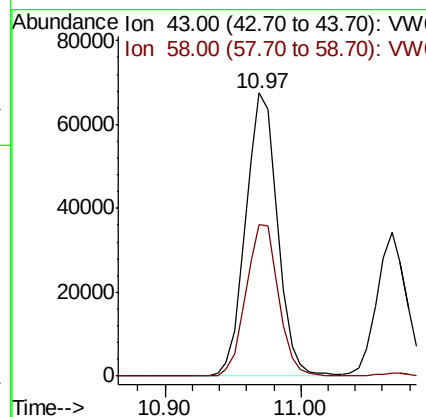
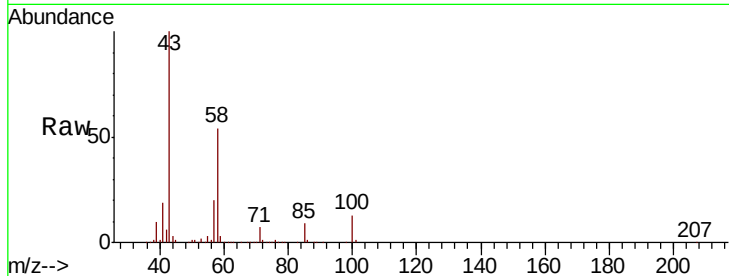




#59
2-Hexanone
Concen: 250.151 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

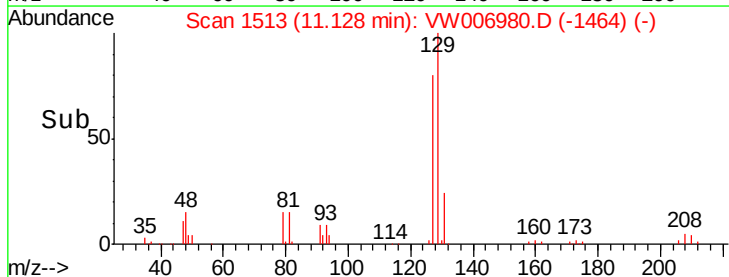
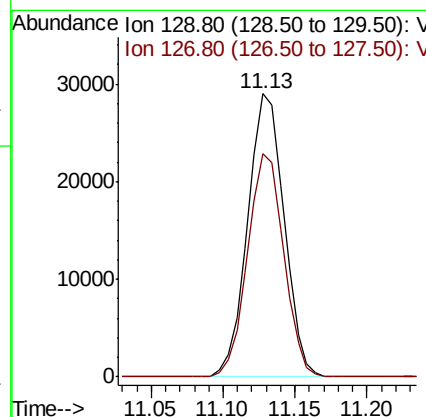
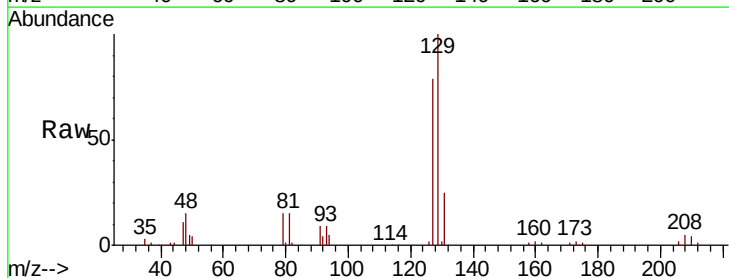
Instrument :
MSVOA_W
ClientSampleId :

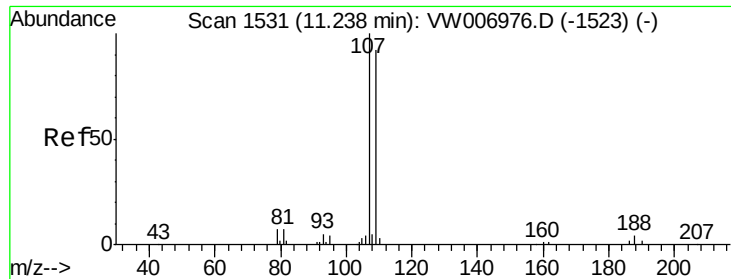
Tot Ion: 43 Resp: 110703
Ion Ratio Lower Upper
43 100
58 54.7 27.3 81.8



#60
Dibromochloromethane
Concen: 49.001 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Tgt Ion: 129 Resp: 50691
Ion Ratio Lower Upper
129 100
127 78.4 38.3 114.8

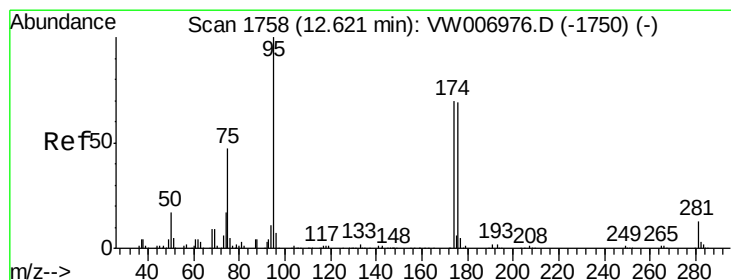
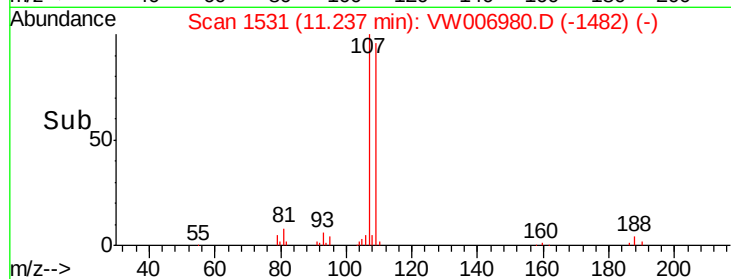
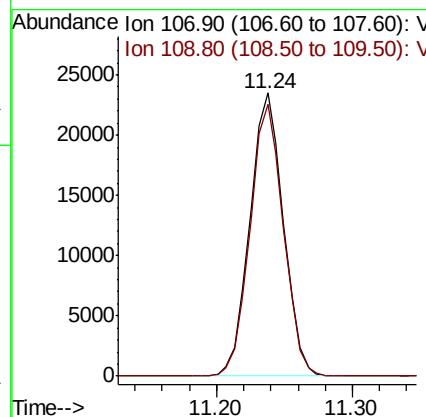
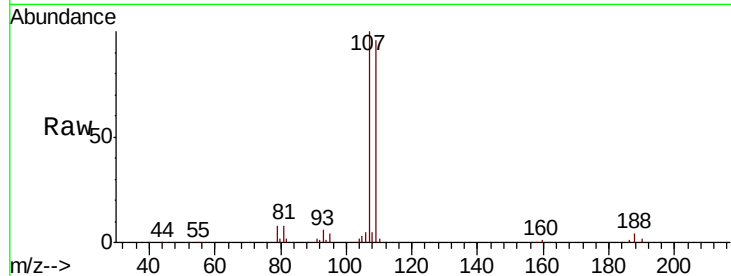




#61
 1,2-Dibromoethane
 Concen: 48.712 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 16:55

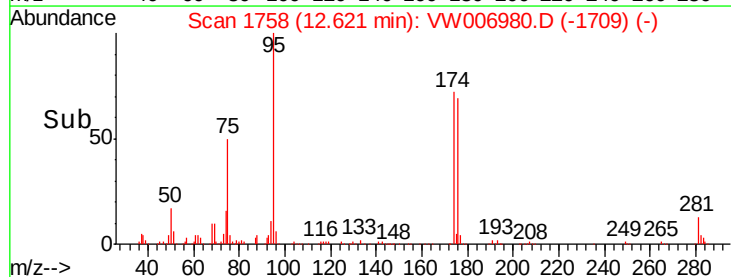
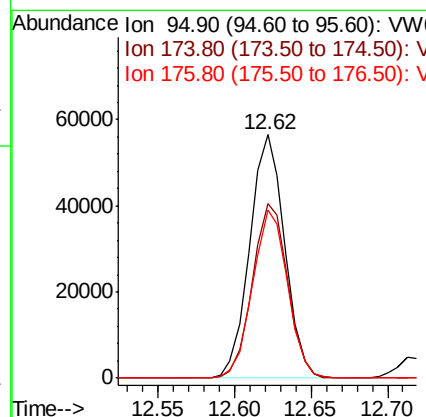
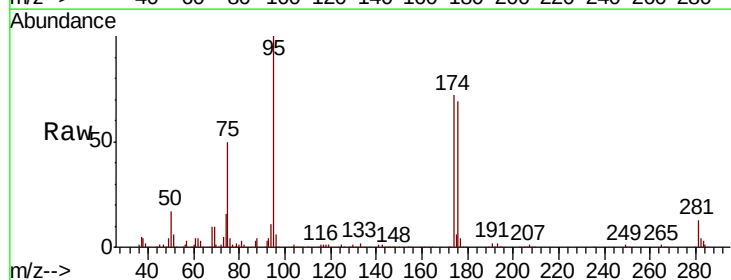
Instrument :
 MSVOA_W
 ClientSampled :

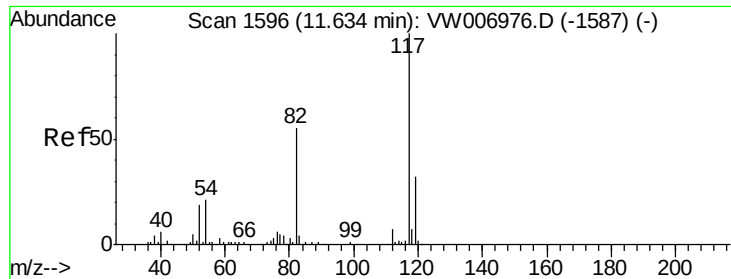
Tot Ion: 107 Resp: 40456
 Ion Ratio Lower Upper
 107 100
 109 95.6 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 48.178 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 16:55

Tgt Ion: 95 Resp: 89593
 Ion Ratio Lower Upper
 95 100
 174 72.7 0.0 143.6
 176 69.4 0.0 140.4

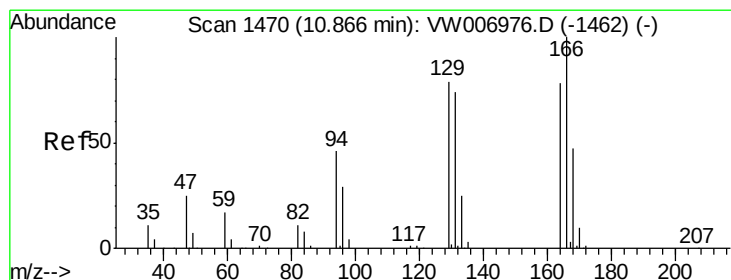
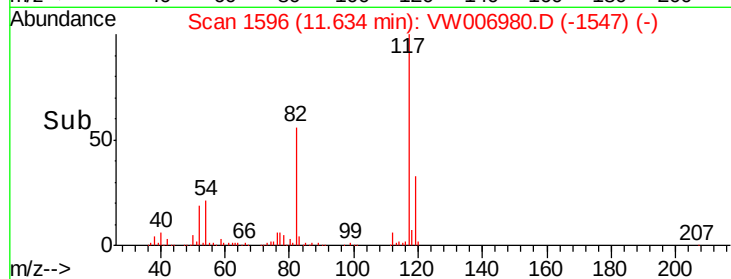
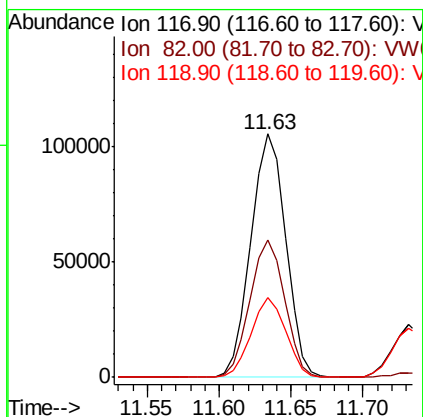
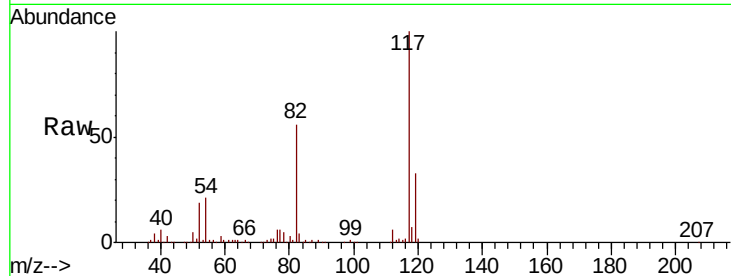




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

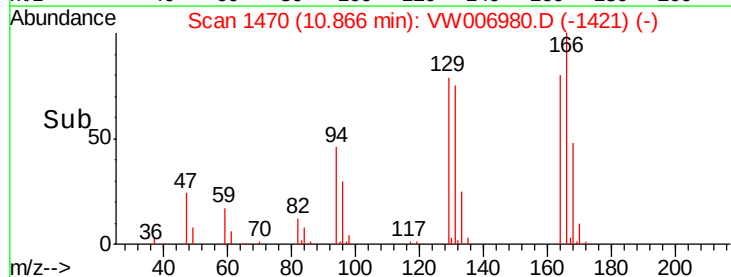
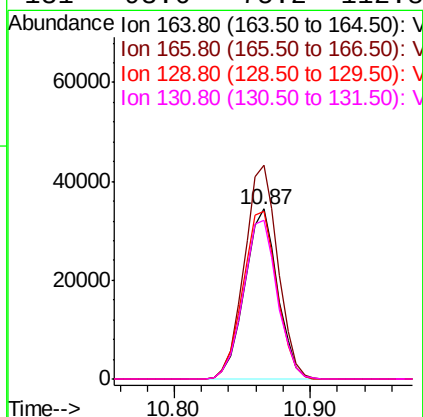
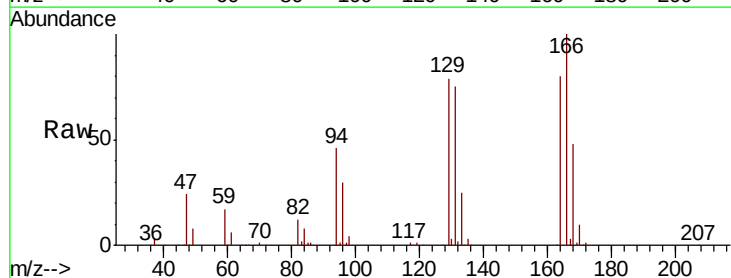
Instrument :
MSVOA_W
ClientSampleId :

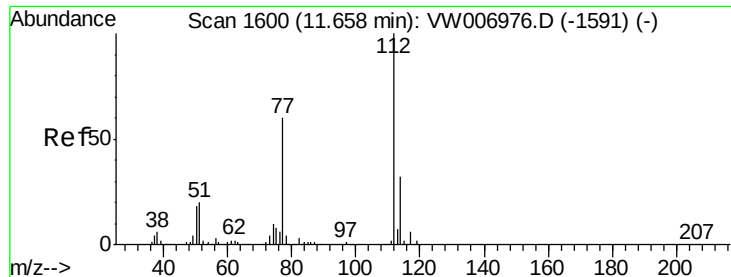
Tot Ion:117 Resp: 177341
Ion Ratio Lower Upper
117 100
82 56.5 44.2 66.2
119 32.5 25.9 38.9



#64
Tetrachloroethene
Concen: 50.822 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Tgt Ion:164 Resp: 57981
Ion Ratio Lower Upper
164 100
166 125.5 102.1 153.1
129 98.8 80.4 120.6
131 93.6 75.2 112.8

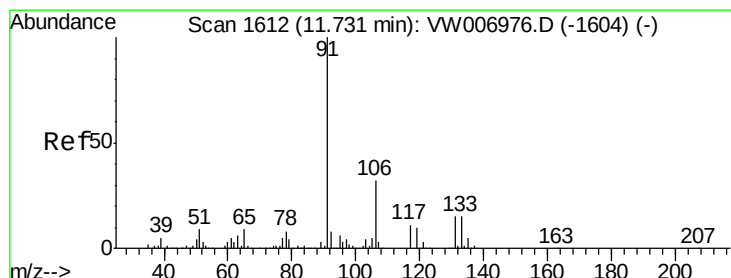
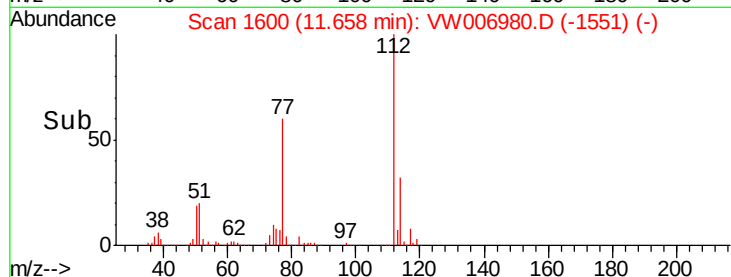
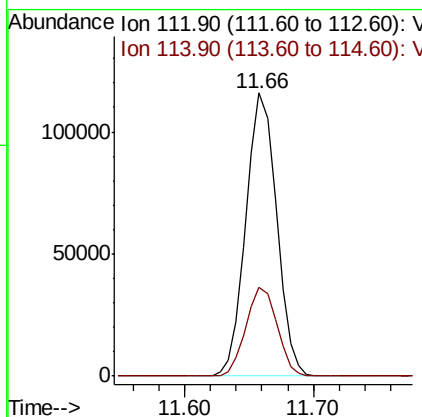
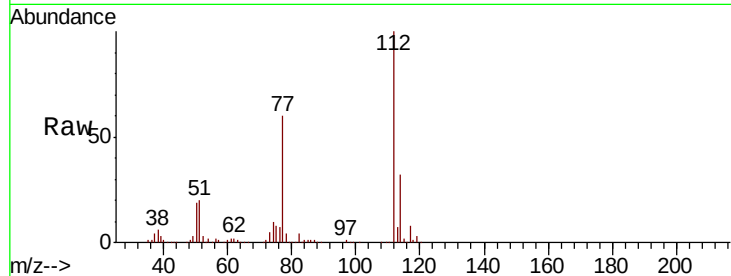




#65
Chlorobenzene
Concen: 51.674 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

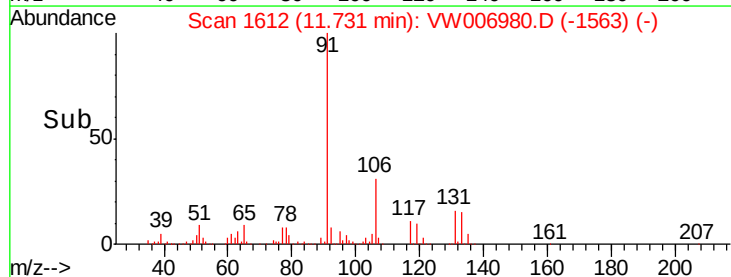
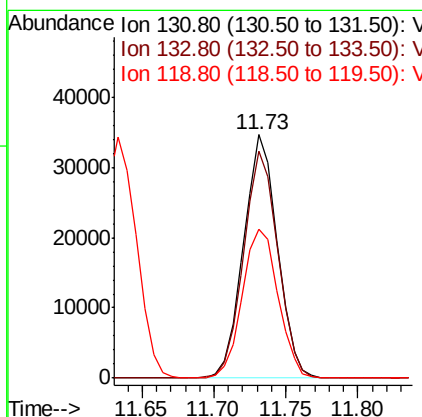
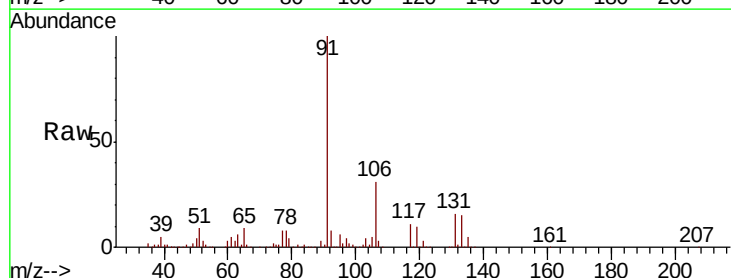
Instrument :
MSVOA_W
ClientSampled :

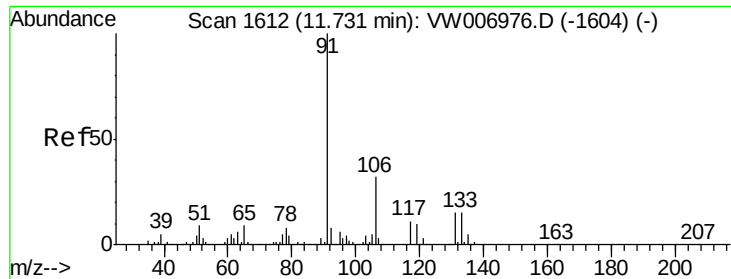
Tot Ion:112 Resp: 191264
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.290 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Tgt Ion:131 Resp: 56309
Ion Ratio Lower Upper
131 100
133 94.4 47.7 143.1
119 64.8 31.8 95.3

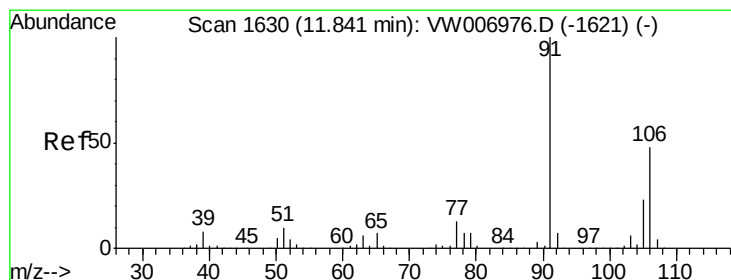
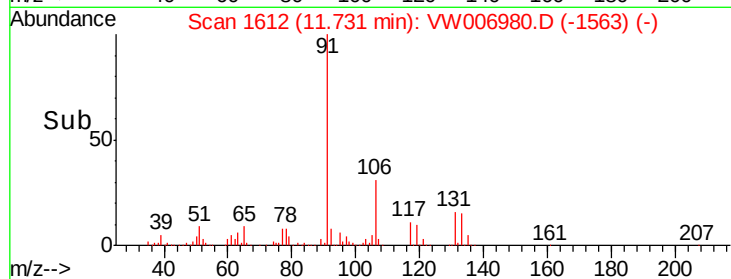
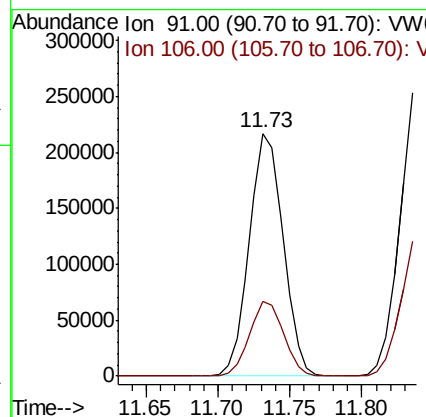
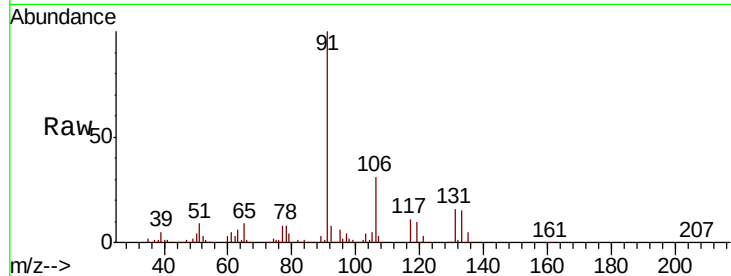




#67
Ethyl Benzene
Concen: 51.907 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

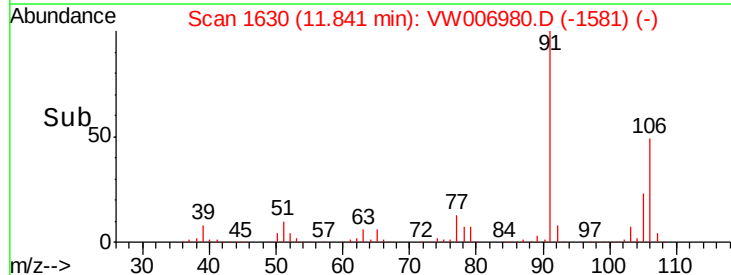
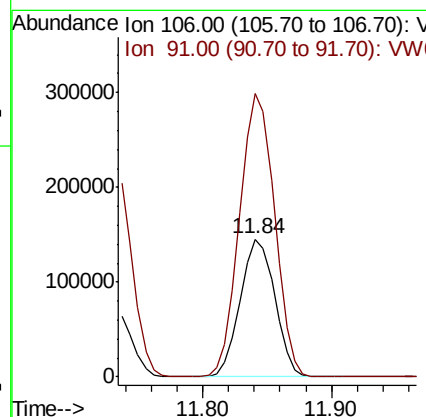
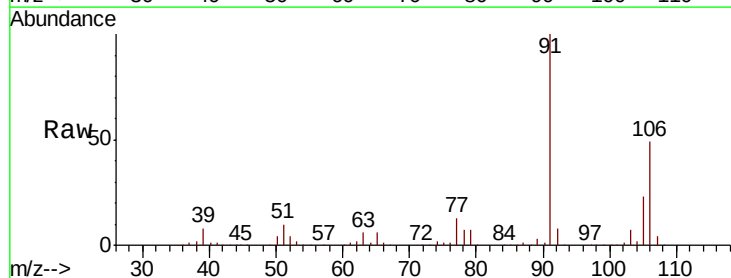
Instrument :
MSVOA_W
ClientSampled :

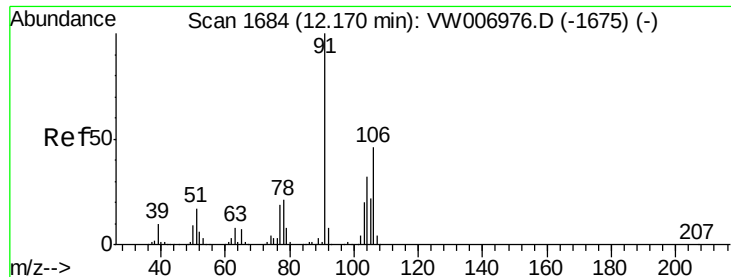
Tot Ion: 91 Resp: 352945
Ion Ratio Lower Upper
91 100
106 30.6 25.4 38.2



#68
m/p-Xylenes
Concen: 101.580 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Tgt Ion:106 Resp: 270985
Ion Ratio Lower Upper
106 100
91 208.6 164.8 247.2

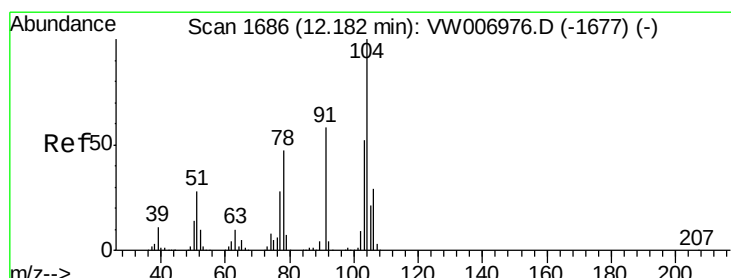
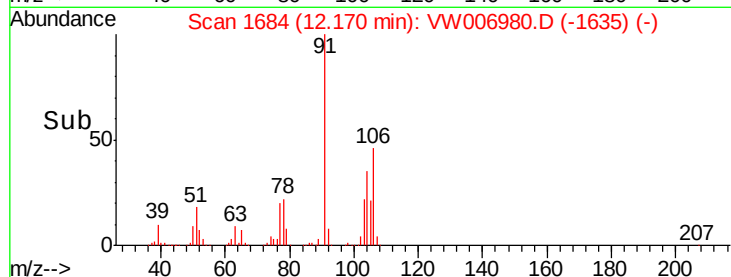
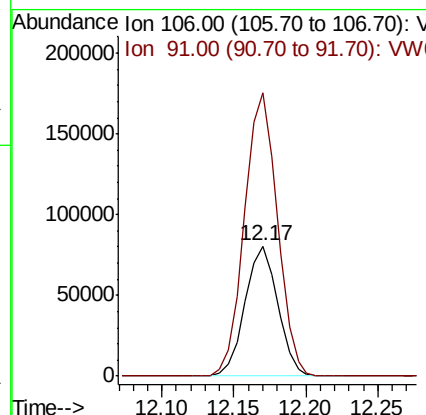
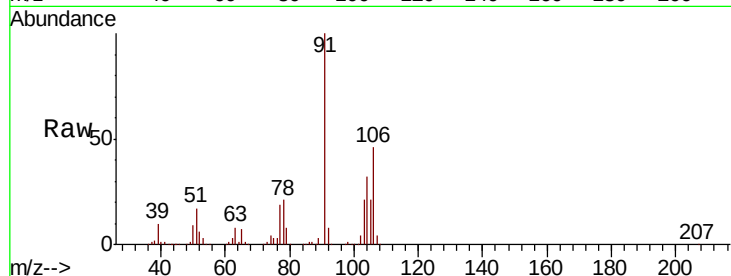




#69
o-Xylene
Concen: 50.571 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

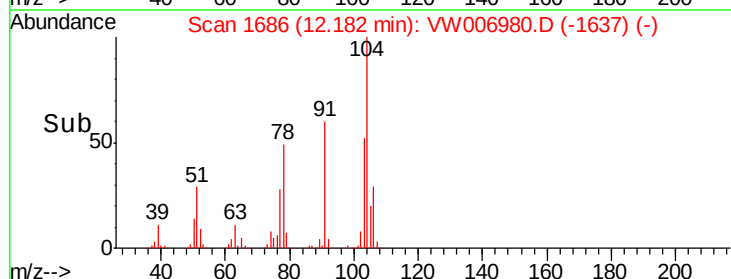
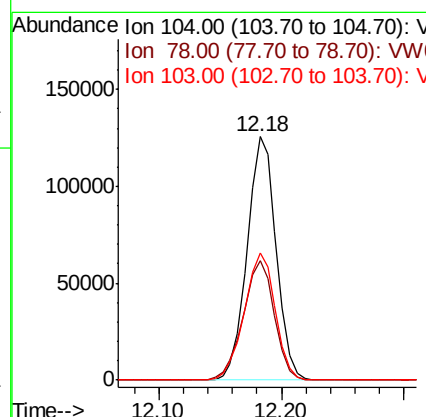
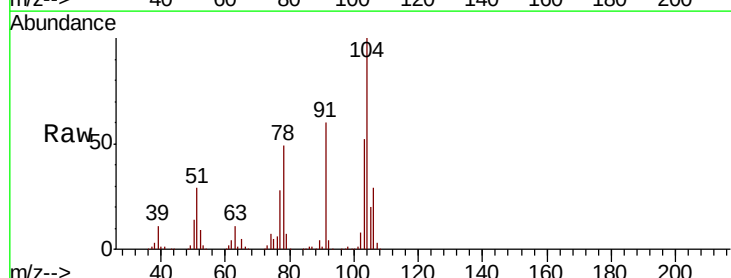
Instrument :
MSVOA_W
ClientSampled :

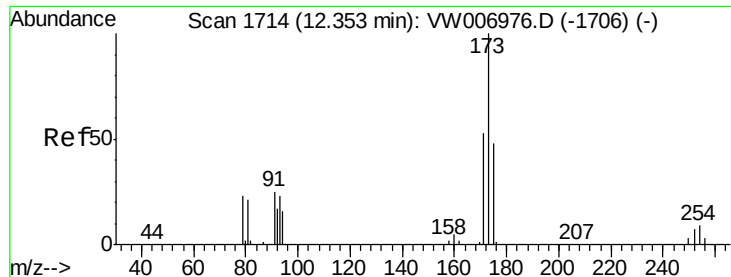
Tot Ion:106 Resp: 127209
Ion Ratio Lower Upper
106 100
91 218.9 107.9 323.8



#70
Styrene
Concen: 51.454 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Tgt Ion:104 Resp: 205998
Ion Ratio Lower Upper
104 100
78 52.7 41.8 62.8
103 55.6 44.4 66.6





#71

Bromoform

Concen: 49.760 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

Instrument :

MSVOA_W

ClientSampleId :

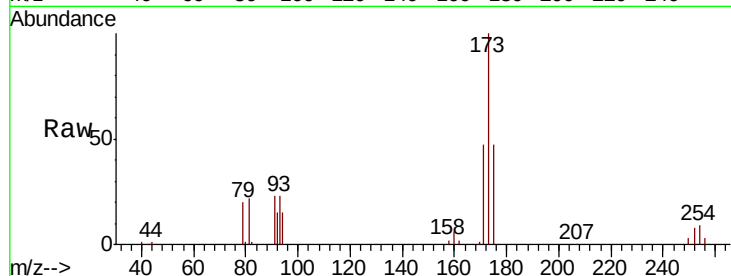
Tot Ion:173 Resp: 26247

Ion Ratio Lower Upper

173 100

175 48.1 24.0 72.0

254 0.0 0.0 0.0

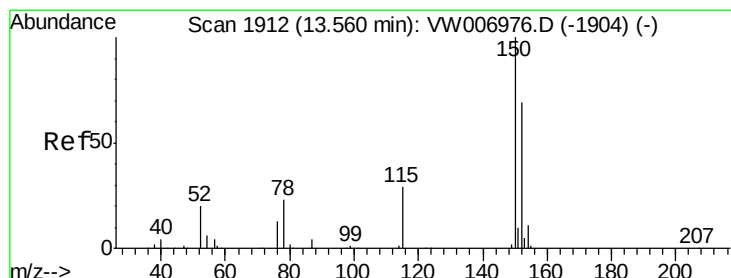
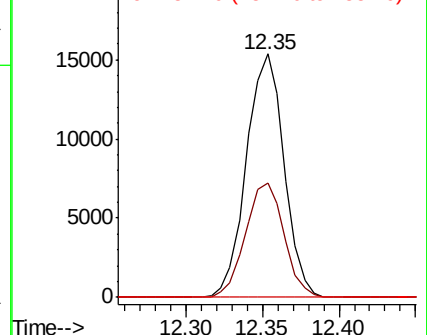
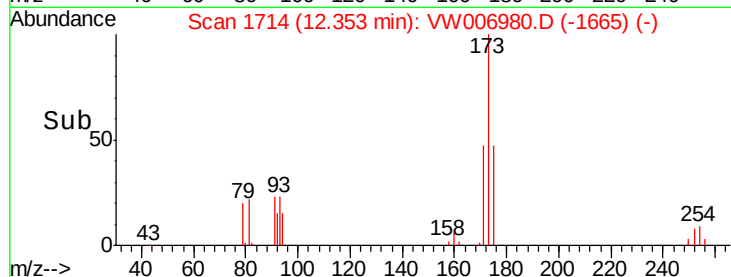


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

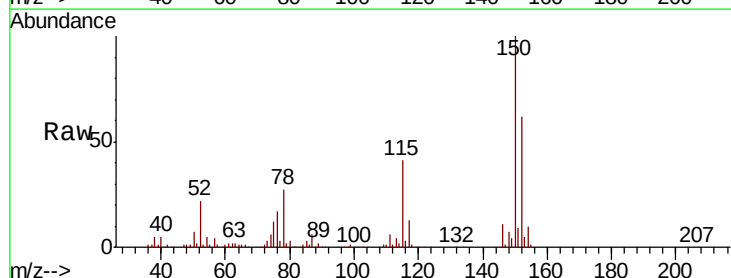
Tgt Ion:152 Resp: 87830

Ion Ratio Lower Upper

152 100

115 62.3 31.4 94.2

150 175.2 0.0 353.4

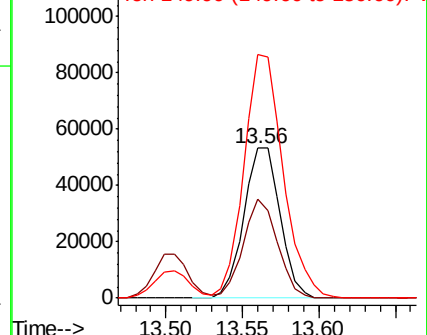
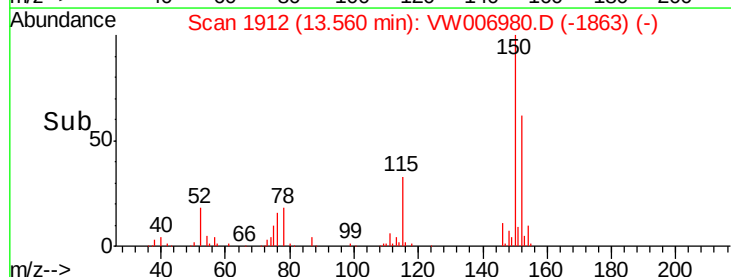


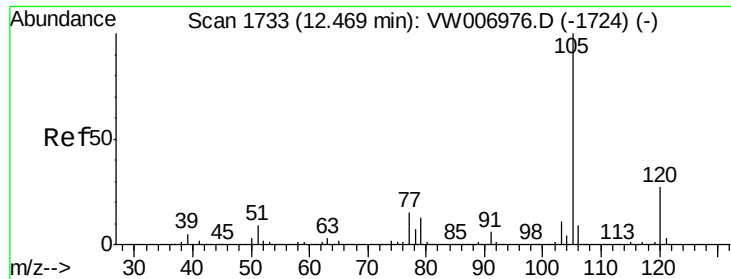
Abundance

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: 52.540 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

Instrument :

MSVOA_W

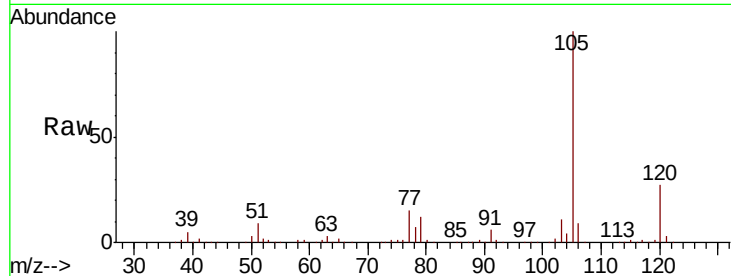
ClientSampled :

Tot Ion:105 Resp: 358642

Ion Ratio Lower Upper

105 100

120 26.2 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

250000

200000

150000

100000

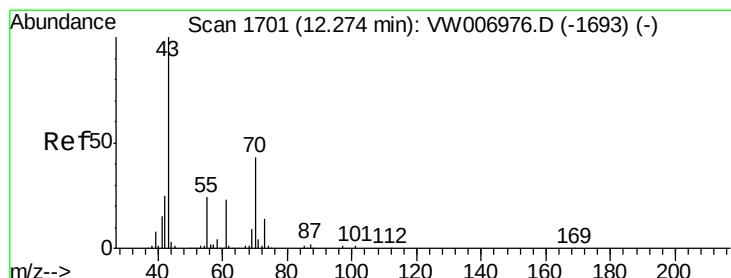
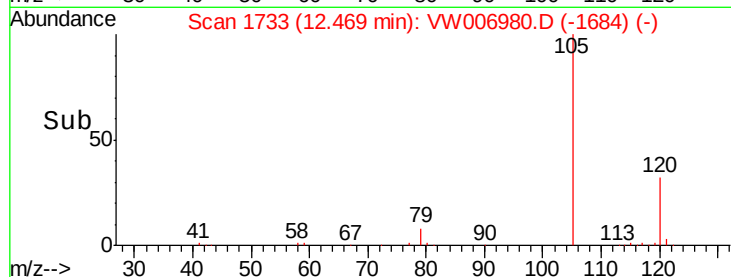
50000

0

Time-->

12.40

12.50



#74

N-ethyl acetate

Concen: 52.799 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

Tgt Ion: 43 Resp: 60404

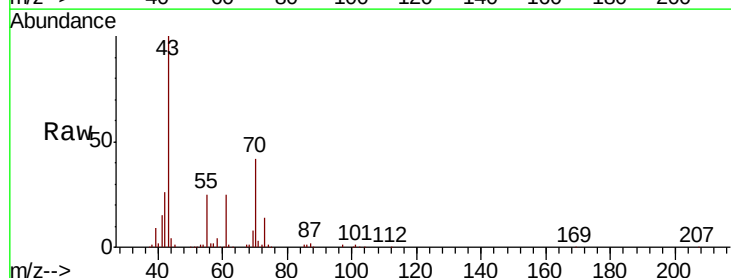
Ion Ratio Lower Upper

43 100

70 42.1 34.0 51.0

55 24.9 19.4 29.0

61 25.3 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

12.27

60000

50000

40000

30000

20000

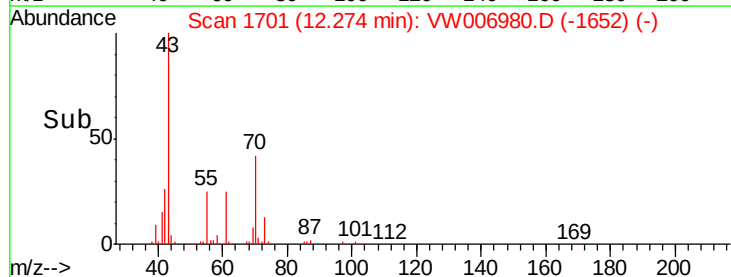
10000

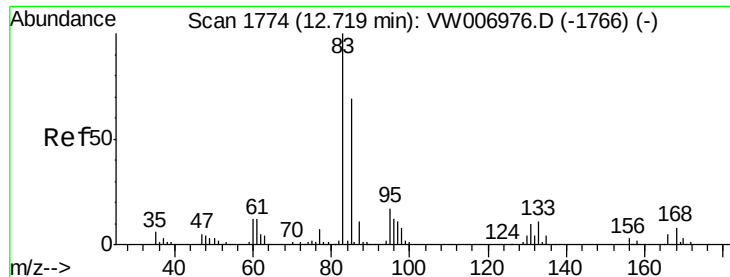
0

Time-->

12.20

12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 48.890 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

Instrument :

MSVOA_W

ClientSampled :

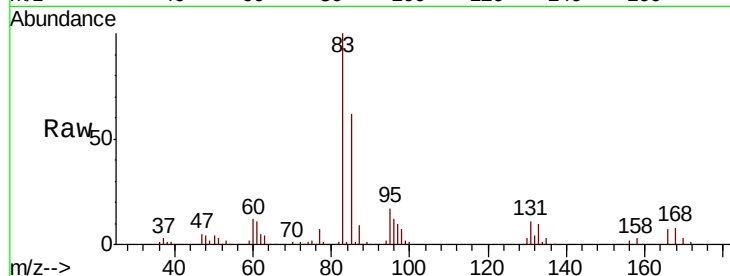
Tot Ion: 83 Resp: 44413

Ion Ratio Lower Upper

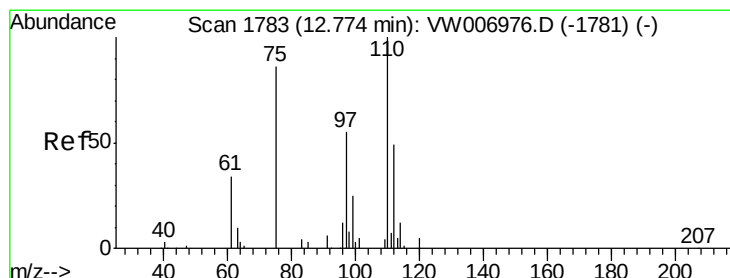
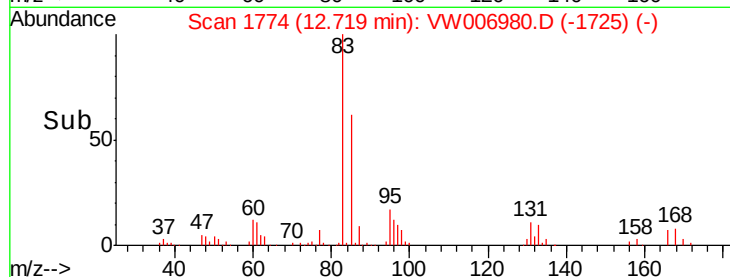
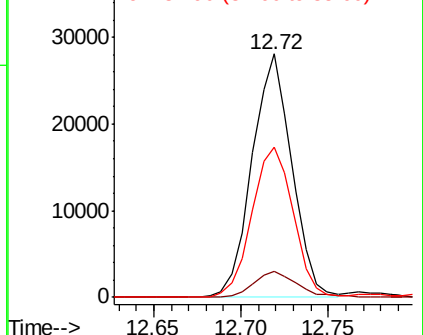
83 100

131 11.7 5.7 17.1

85 63.9 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: 90.247 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006980.D

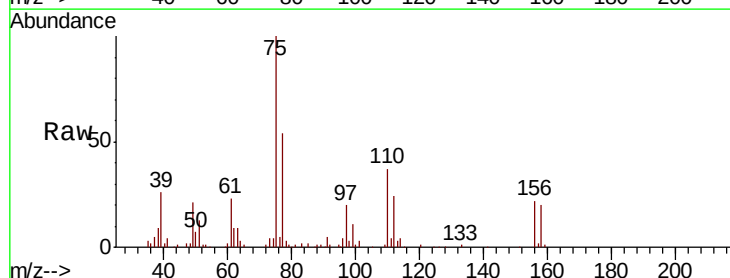
Acq: 20 Nov 2018 16:55

Tgt Ion: 75 Resp: 62285

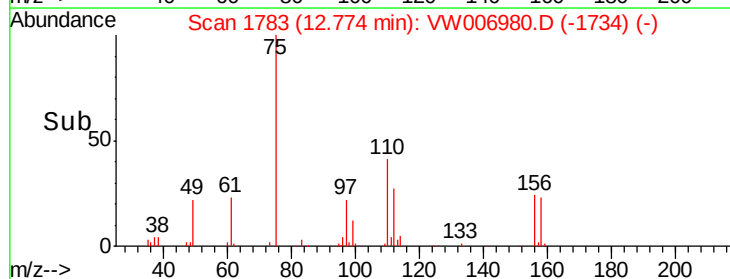
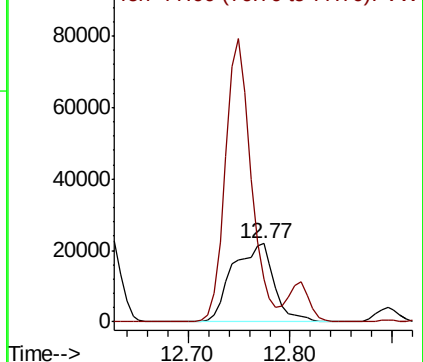
Ion Ratio Lower Upper

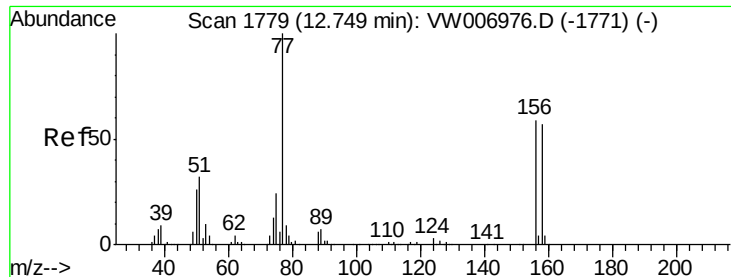
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.607 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

Instrument :

MSVOA_W

ClientSampleId :

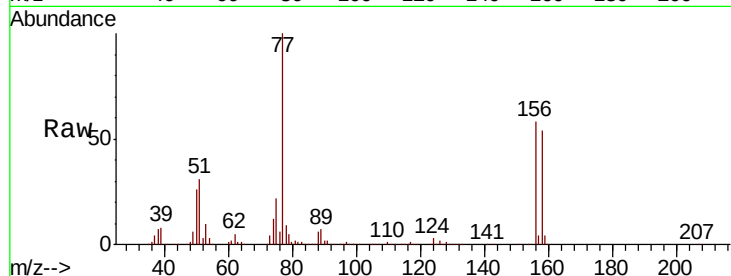
Tot Ion:156 Resp: 75661

Ion Ratio Lower Upper

156 100

77 183.2 94.6 283.8

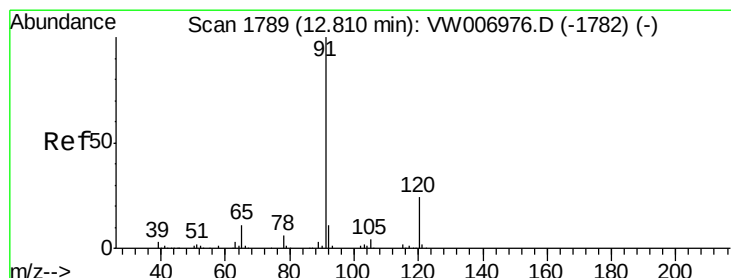
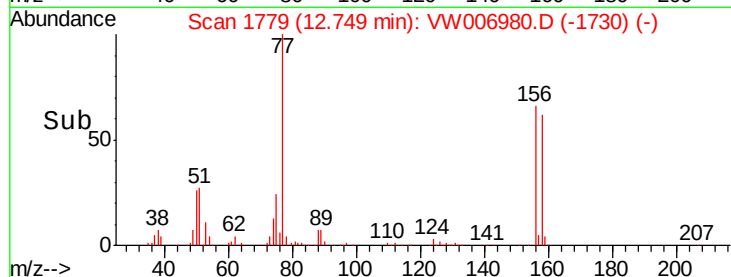
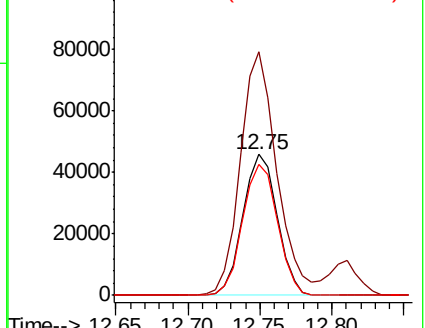
158 94.8 48.9 146.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.785 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006980.D

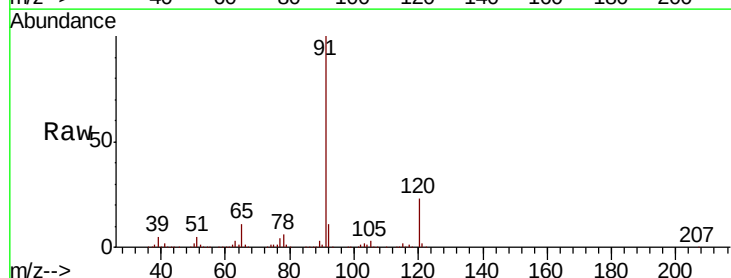
Acq: 20 Nov 2018 16:55

Tgt Ion: 91 Resp: 428175

Ion Ratio Lower Upper

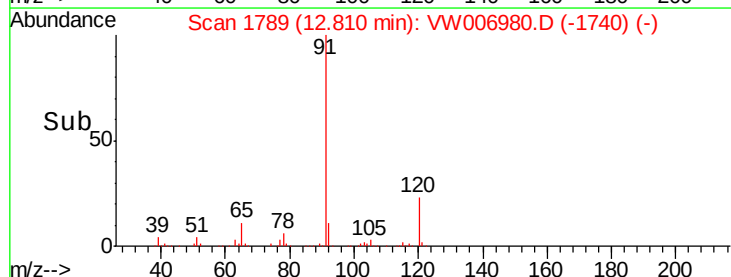
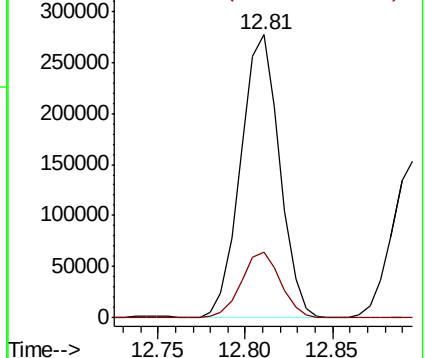
91 100

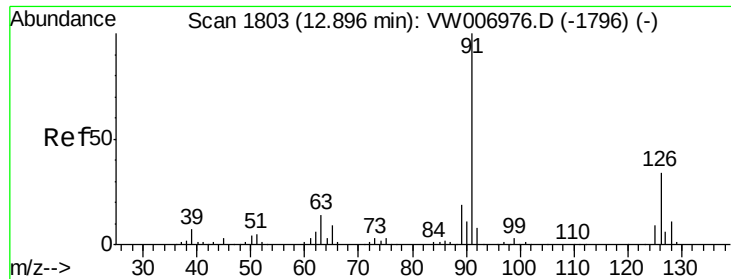
120 23.3 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

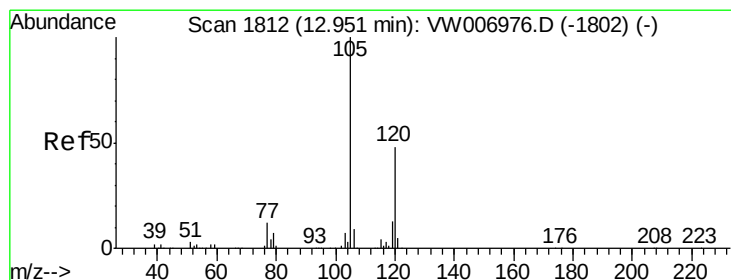
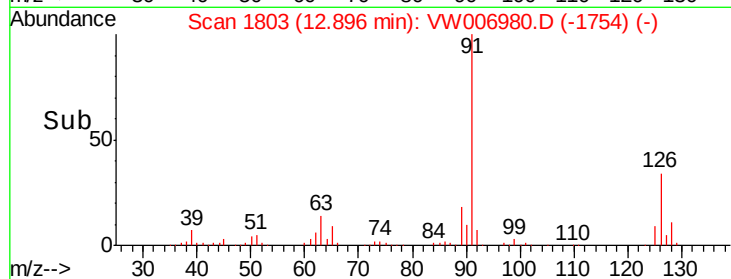
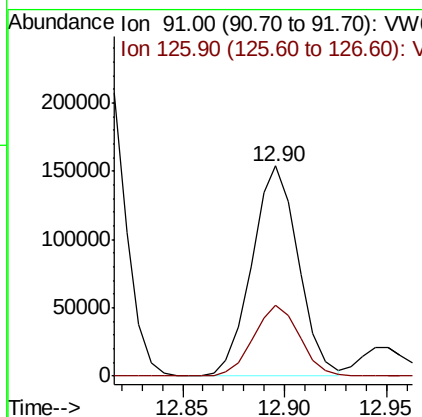
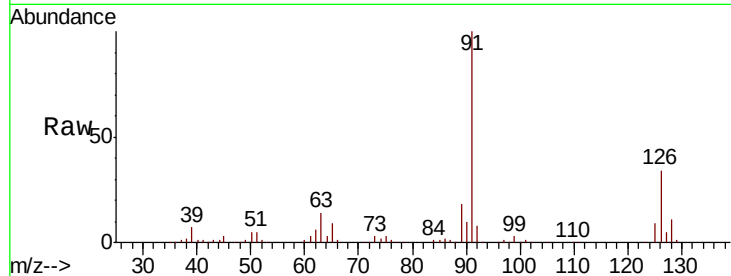




#79
 2-Chlorotoluene
 Concen: 51.173 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 16:55

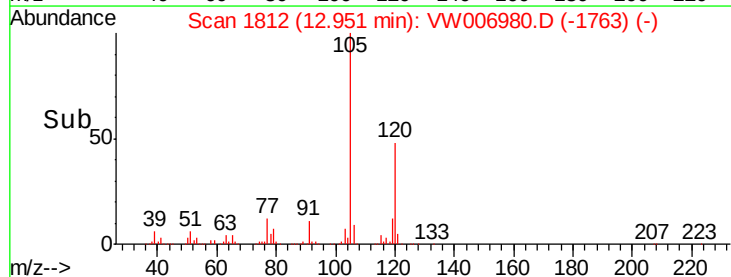
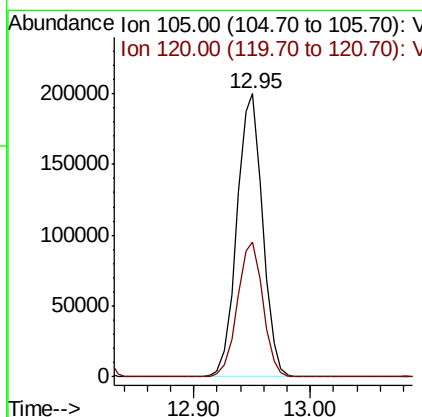
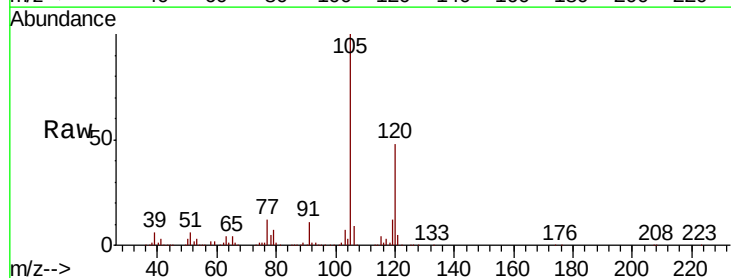
Instrument :
 MSVOA_W
 ClientSampleId :

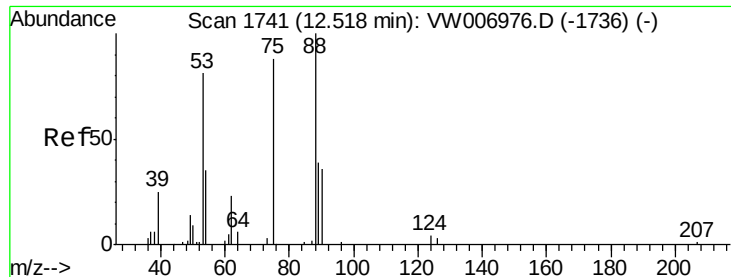
Tot Ion: 91 Resp: 243968
 Ion Ratio Lower Upper
 91 100
 126 33.6 16.7 50.0



#80
 1,3,5-Trimethylbenzene
 Concen: 51.854 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 16:55

Tgt Ion: 105 Resp: 306087
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.8 71.2

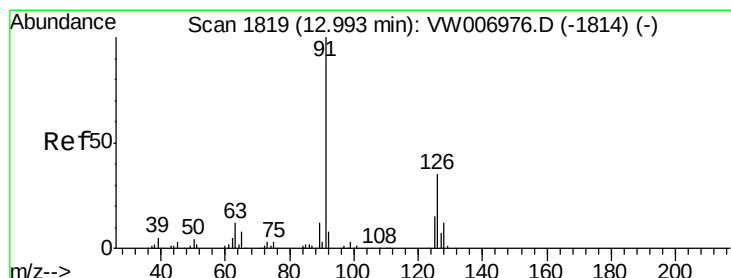
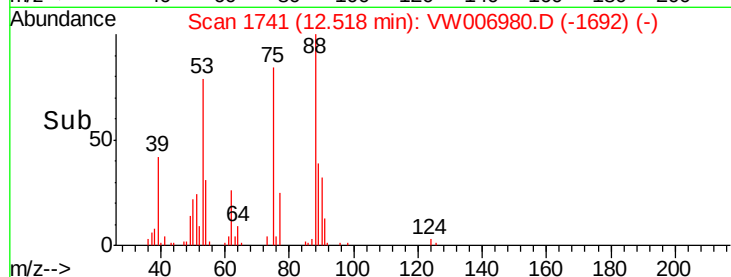
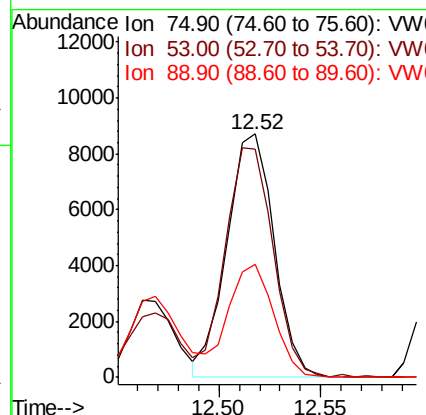
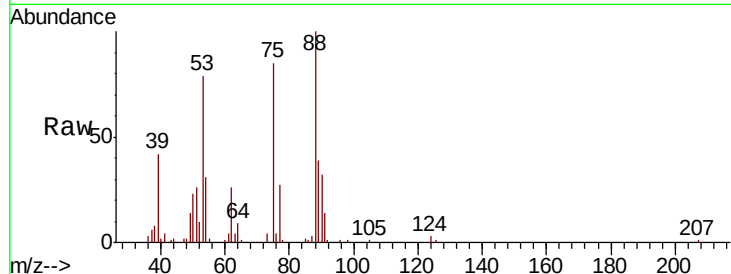




#81
trans-1,4-Dichloro-2-butene
Concen: 50.608 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

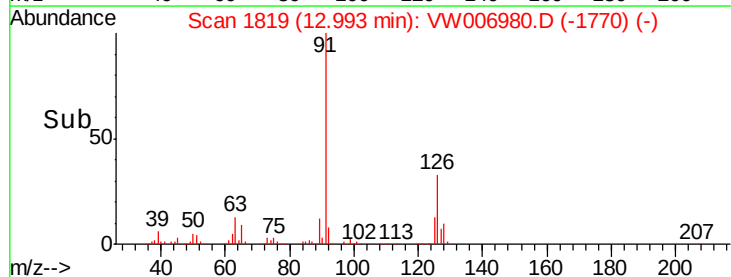
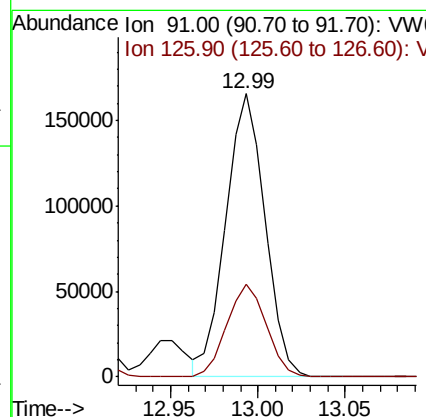
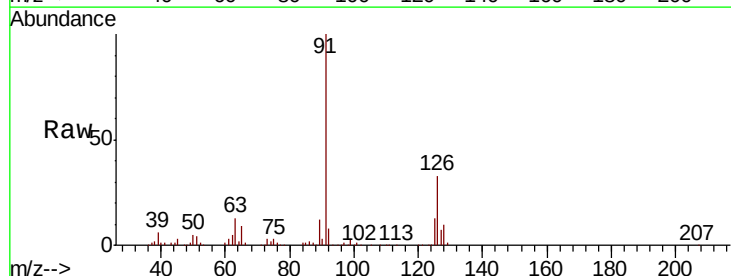
Instrument :
MSVOA_W
ClientSampled :

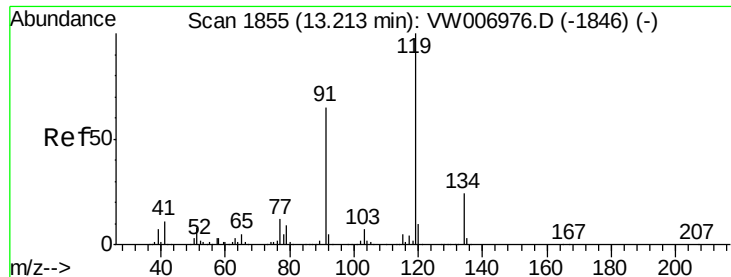
Tot Ion: 75 Resp: 13912
Ion Ratio Lower Upper
75 100
53 96.4 77.6 116.4
89 44.3 39.3 58.9



#82
4-Chlorotoluene
Concen: 51.430 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Tgt Ion: 91 Resp: 257307
Ion Ratio Lower Upper
91 100
126 32.8 16.6 49.7

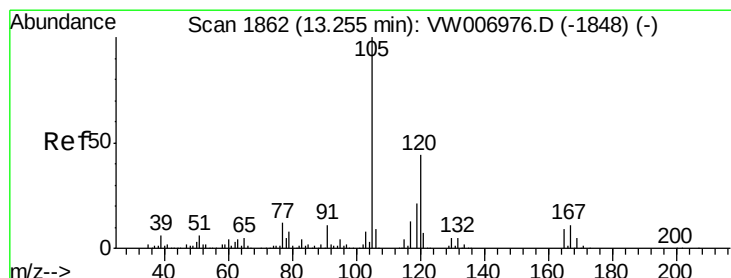
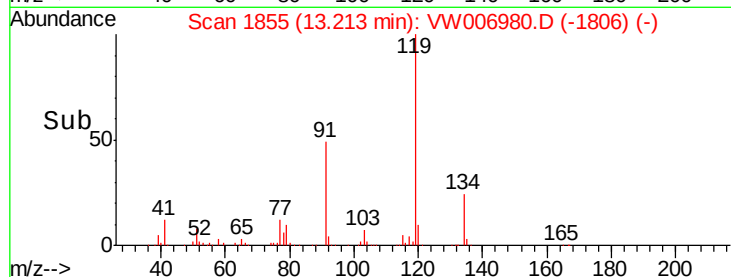
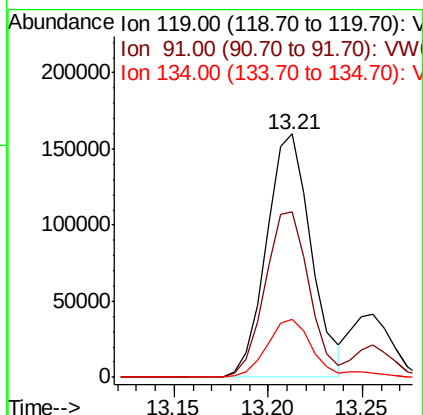
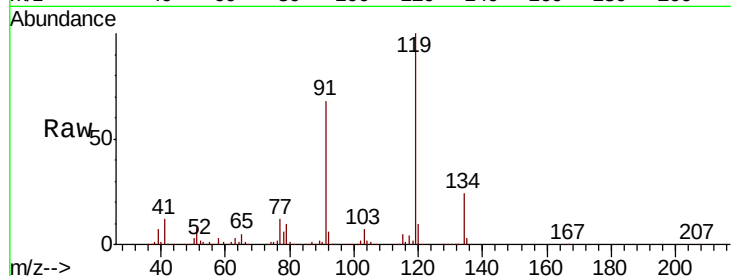




#83
tert-Butylbenzene
Concen: 51.503 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

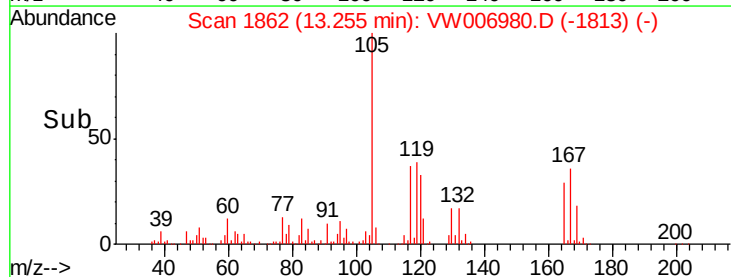
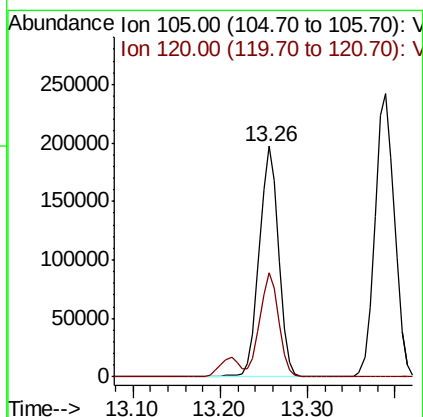
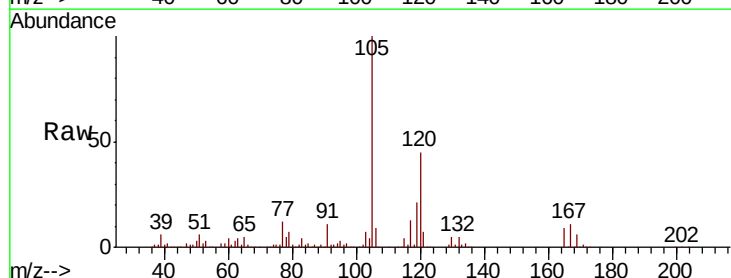
Instrument :
MSVOA_W
ClientSampleId :

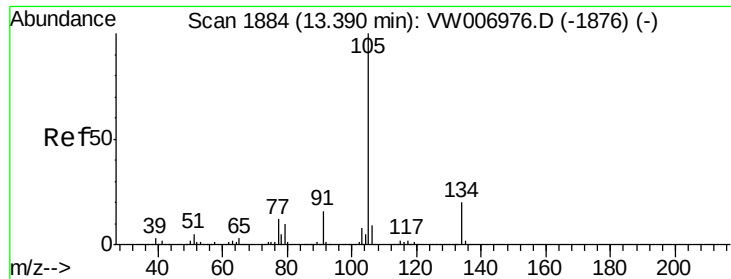
Tot Ion:119 Resp: 263207
Ion Ratio Lower Upper
119 100
91 67.4 33.5 100.5
134 25.2 12.6 37.8



#84
1,2,4-Trimethylbenzene
Concen: 51.524 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 16:55

Tgt Ion:105 Resp: 303016
Ion Ratio Lower Upper
105 100
120 43.7 21.8 65.3





#85

sec-Butylbenzene

Concen: 51.903 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

Instrument :

MSVOA_W

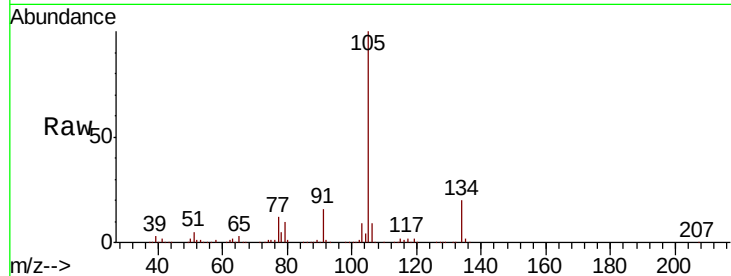
ClientSampled :

Tot Ion:105 Resp: 374733

Ion Ratio Lower Upper

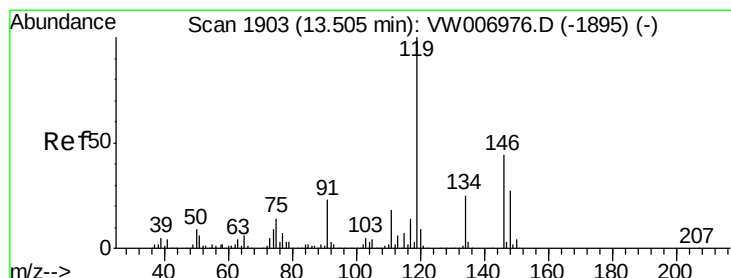
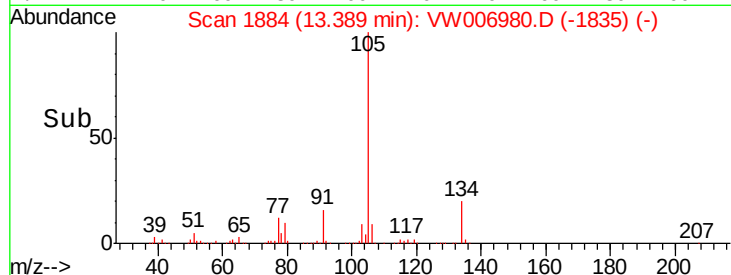
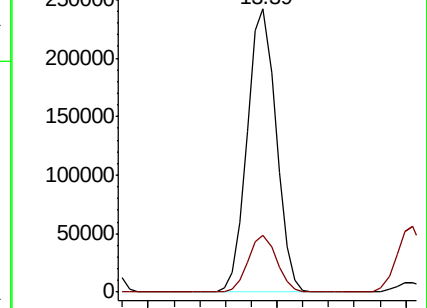
105 100

134 19.7 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.526 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

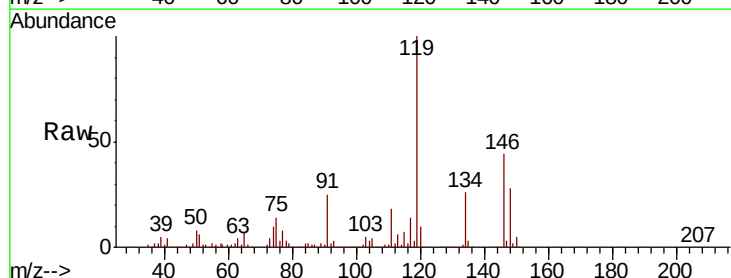
Tgt Ion:119 Resp: 328191

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.3

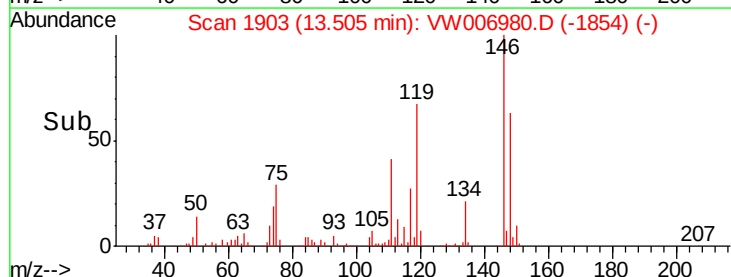
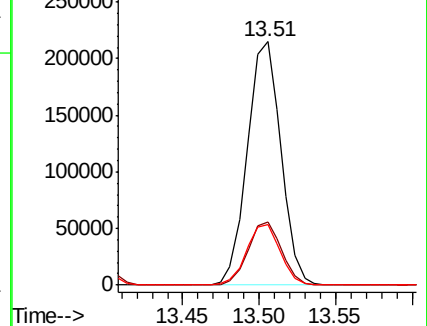
91 25.1 12.2 36.6

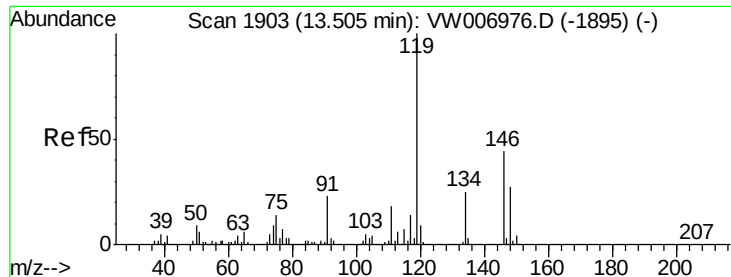


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.737 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

Instrument :

MSVOA_W

ClientSampled :

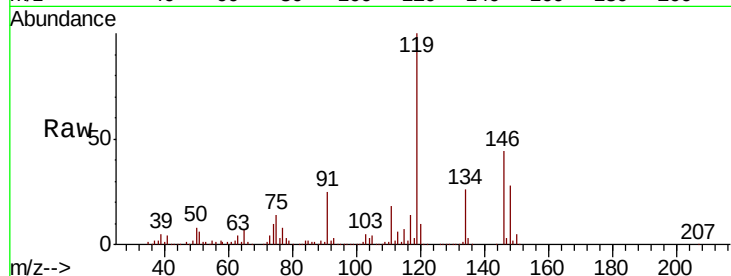
Tot Ion:146 Resp: 151862

Ion Ratio Lower Upper

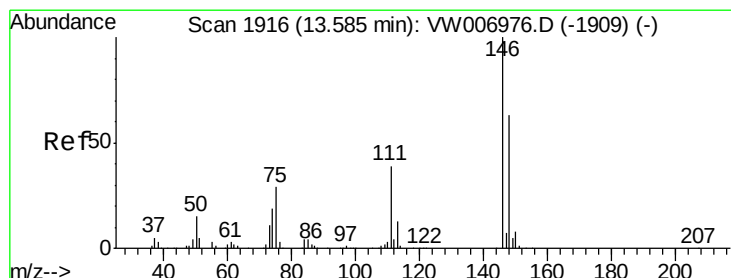
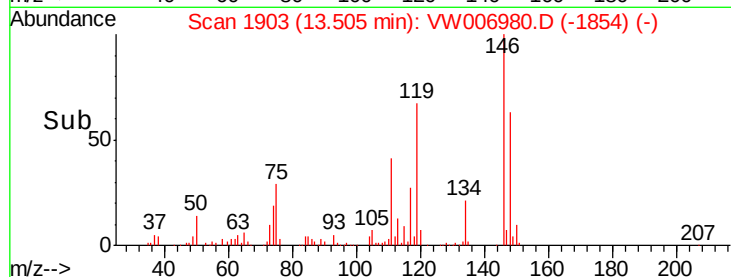
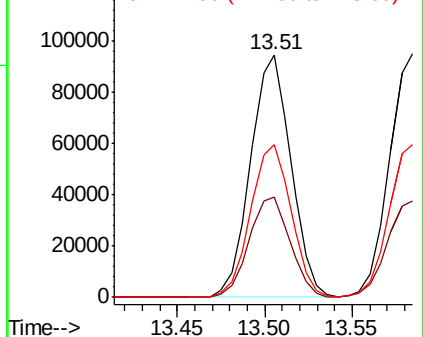
146 100

111 42.3 21.1 63.3

148 63.7 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: 50.800 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

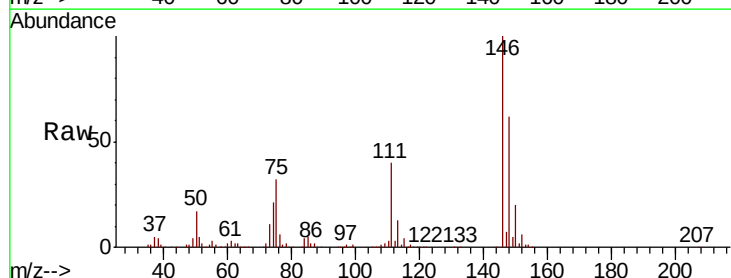
Tgt Ion:146 Resp: 151598

Ion Ratio Lower Upper

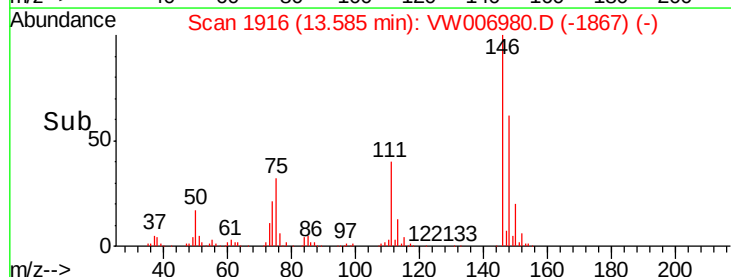
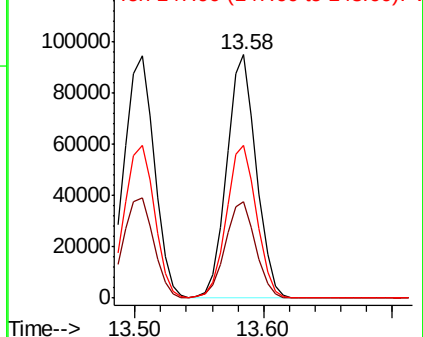
146 100

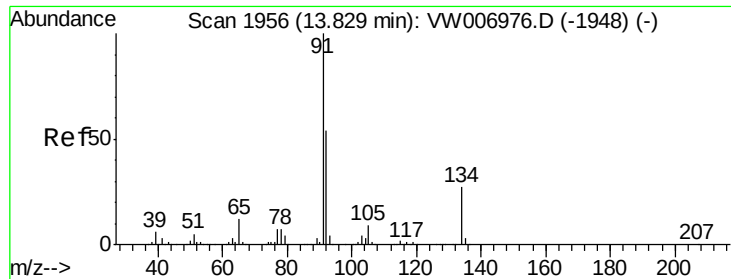
111 41.1 20.6 61.8

148 64.1 32.3 96.8



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





#89

n-Butylbenzene

Concen: 52.572 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

Instrument :

MSVOA_W

ClientSampleId :

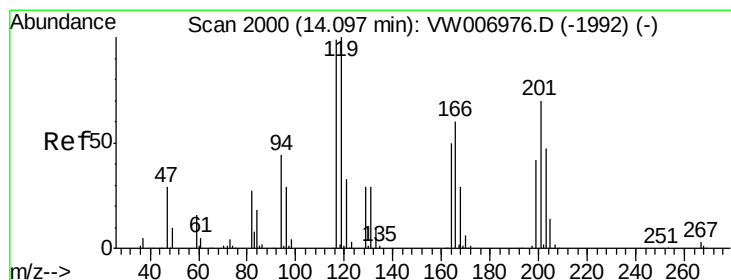
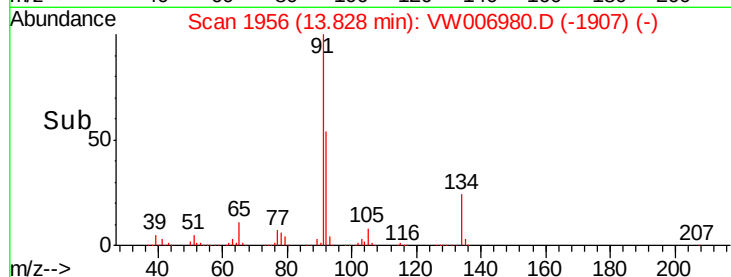
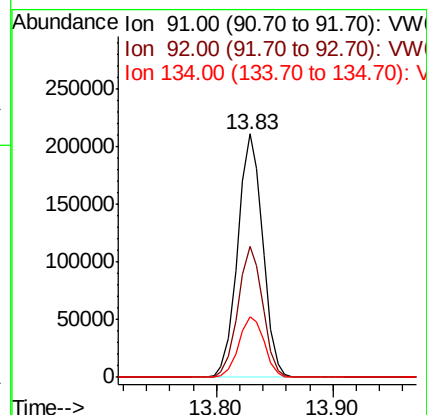
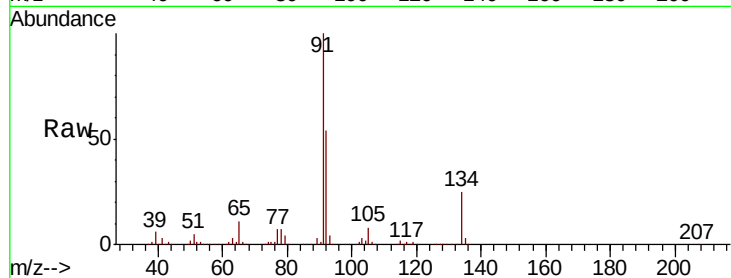
Tot Ion: 91 Resp: 315119

Ion Ratio Lower Upper

91 100

92 53.2 26.8 80.4

134 25.7 13.3 39.8



#90

Hexachloroethane

Concen: 52.907 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW006980.D

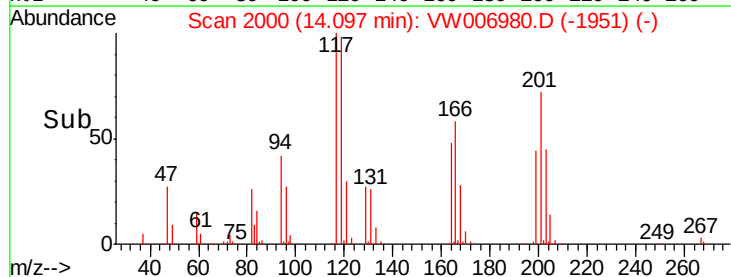
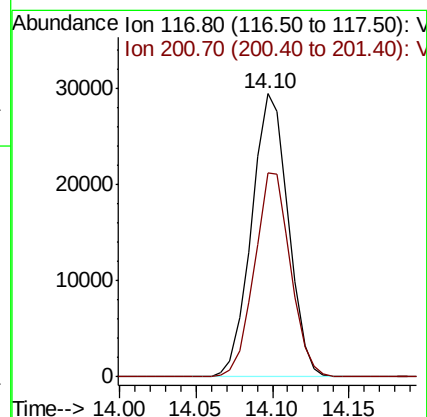
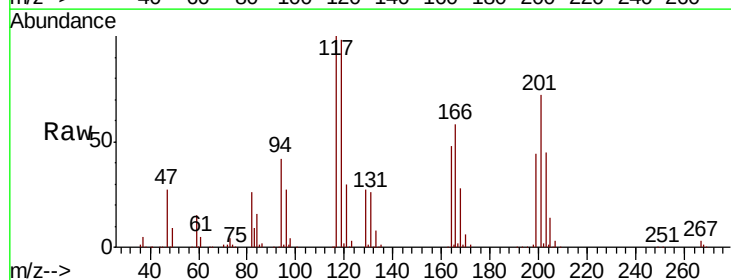
Acq: 20 Nov 2018 16:55

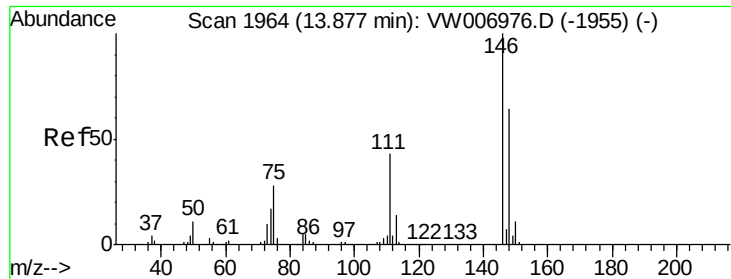
Tgt Ion: 117 Resp: 49199

Ion Ratio Lower Upper

117 100

201 70.8 35.9 107.5

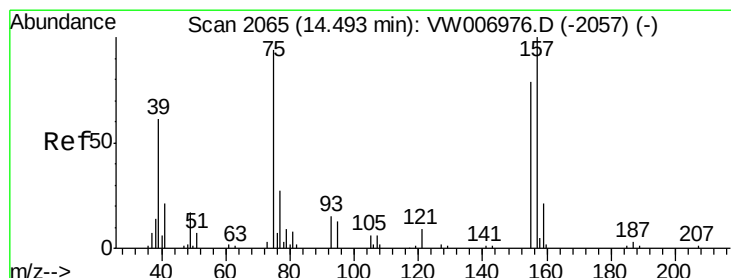
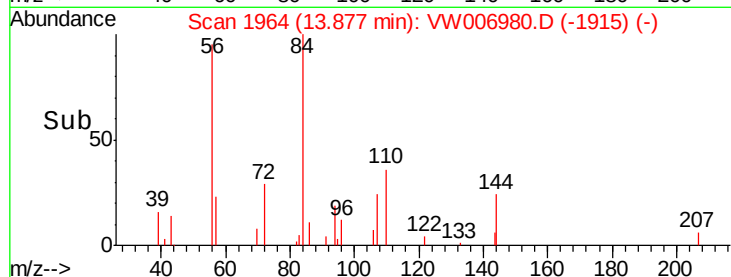
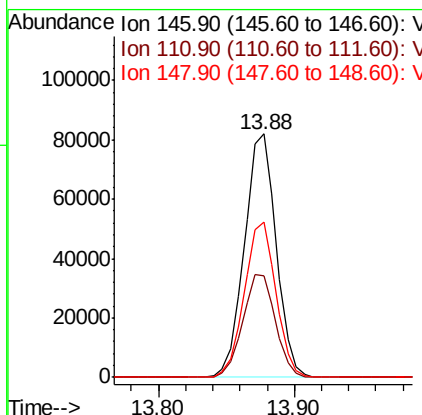
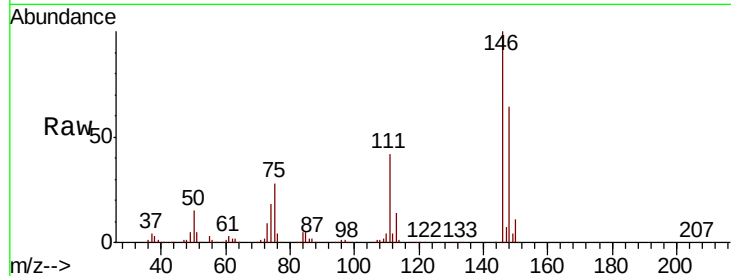




#91
 1,2-Dichlorobenzene
 Concen: 51.035 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 16:55

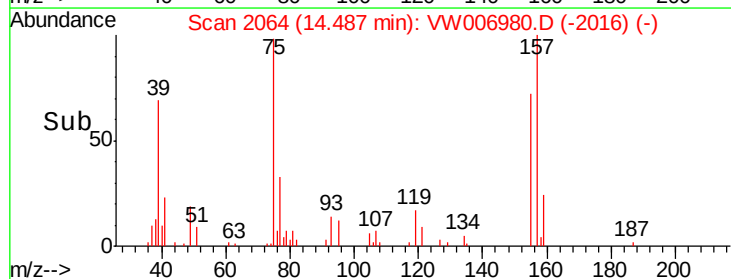
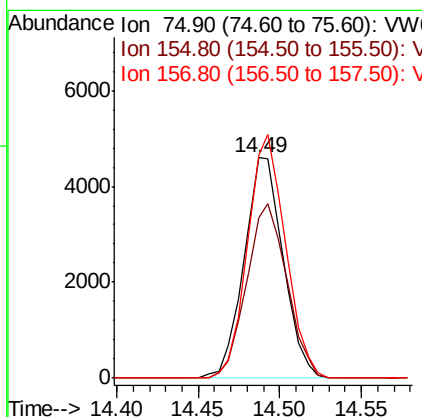
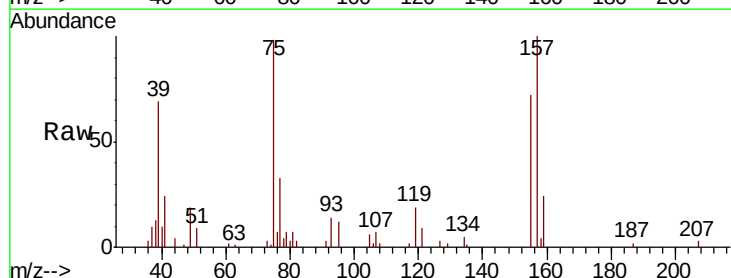
Instrument :
 MSVOA_W
 ClientSampleId :

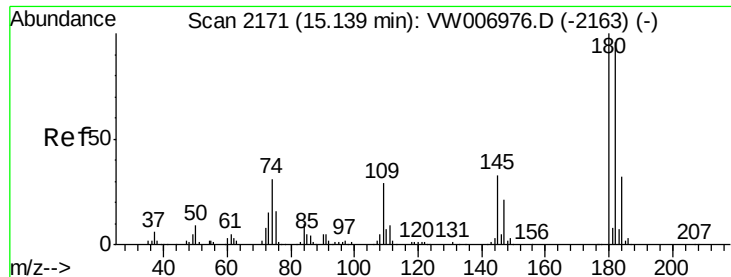
Tot Ion:146 Resp: 133848
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.9 65.7
 148 63.4 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.011 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 16:55

Tgt Ion: 75 Resp: 7673
 Ion Ratio Lower Upper
 75 100
 155 81.4 42.6 127.8
 157 106.8 55.0 165.0

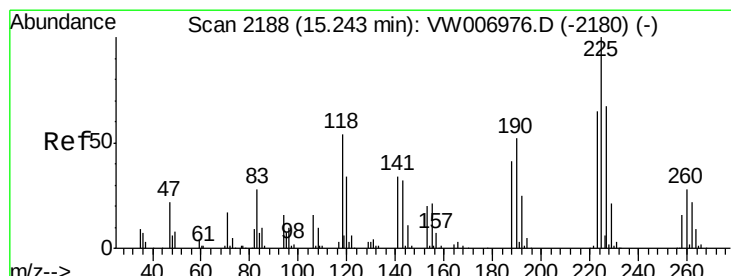
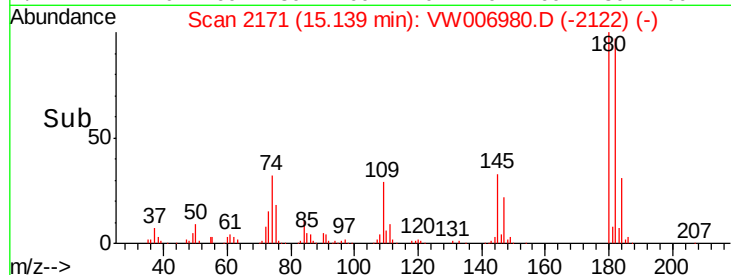
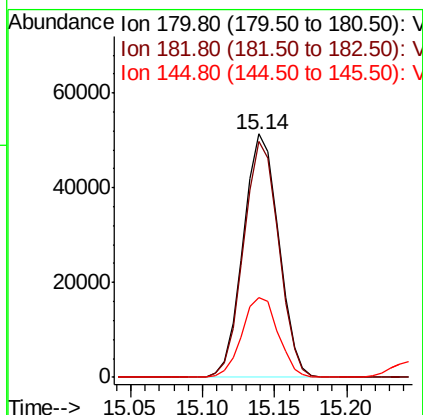
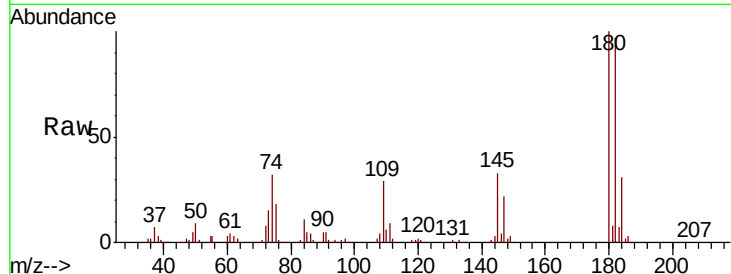




#93
 1,2,4-Trichlorobenzene
 Concen: 50.683 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 16:55

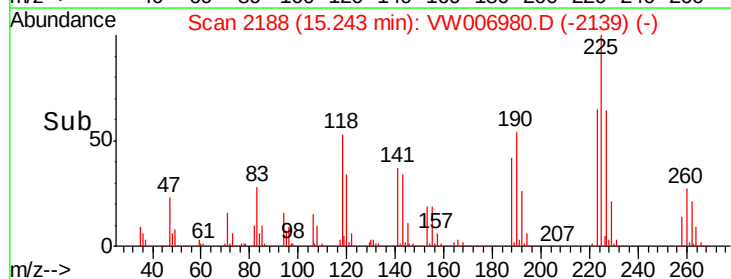
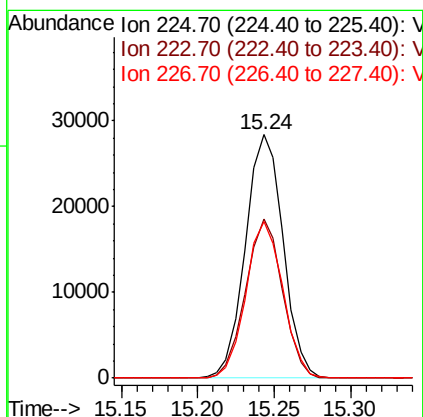
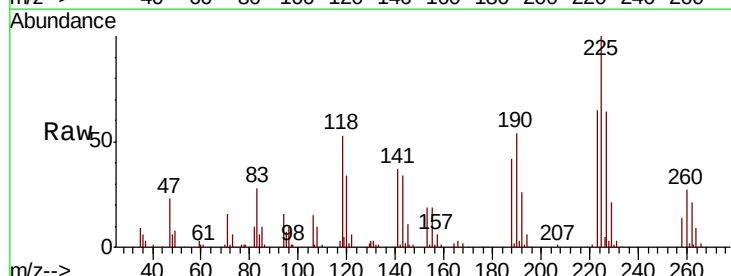
Instrument :
 MSVOA_W
 ClientSampleId :

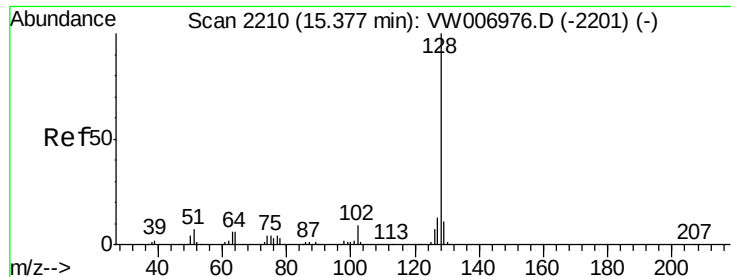
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.1	141.3
145	33.3	16.5	49.5



#94
 Hexachlorobutadiene
 Concen: 51.801 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 16:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	32.4	97.0
227	62.9	31.9	95.5





#95

Naphthalene

Concen: 50.822 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

Instrument :

MSVOA_W

ClientSampleId :

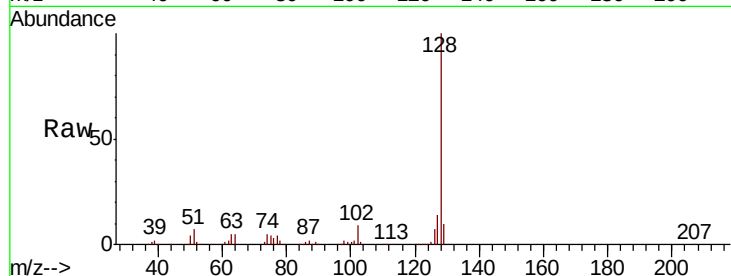
Tot Ion:128 Resp: 159545

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

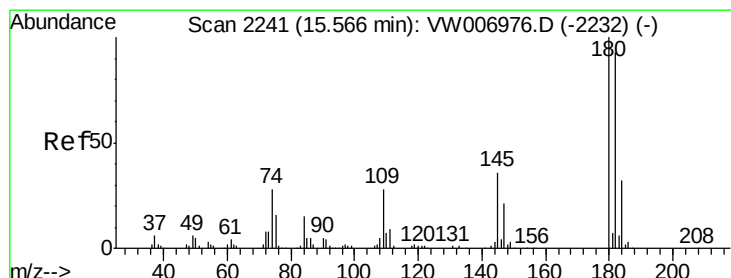
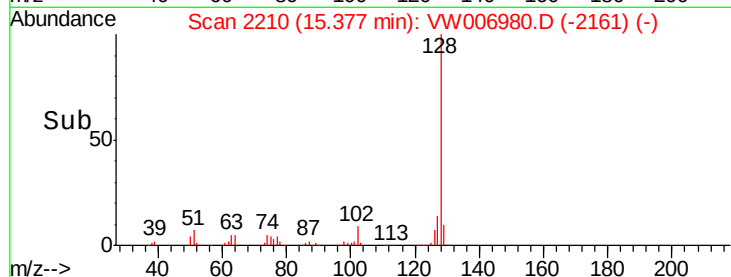
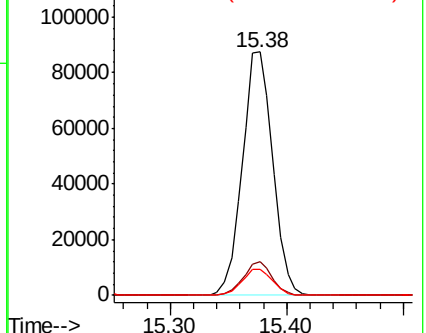
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.437 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW006980.D

Acq: 20 Nov 2018 16:55

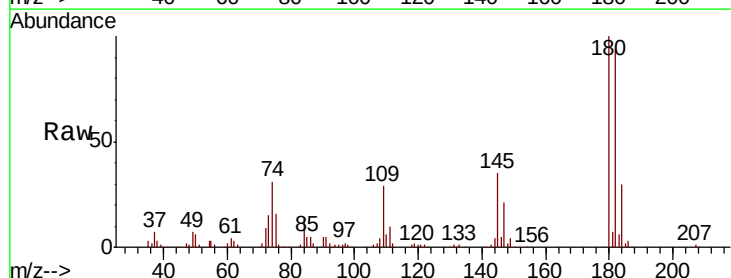
Tgt Ion:180 Resp: 73800

Ion Ratio Lower Upper

180 100

182 94.8 47.0 141.2

145 35.1 18.0 54.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

