

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112218\
 Data File : VW007020.D
 Acq On : 22 Nov 2018 02:02
 Operator : VAY/AP
 Sample : VW1122SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 22 04:41:34 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	104994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	171462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	160812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	80054	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	61842	60.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.32%	
35) Dibromofluoromethane	7.88	113	53372	55.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.24%	
50) Toluene-d8	10.32	98	229583	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
62) 4-Bromofluorobenzene	12.62	95	88557	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	24873	23.994	ug/l	97
3) Chloromethane	2.21	50	20456	23.678	ug/l	99
4) Vinyl Chloride	2.36	62	18369	21.611	ug/l	92
5) Bromomethane	2.77	94	10028	22.104	ug/l	89
6) Chloroethane	2.91	64	10201	21.771	ug/l	96
7) Trichlorofluoromethane	3.26	101	35965	21.518	ug/l	98
8) Diethyl Ether	3.68	74	12931	24.010	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	23338	21.538	ug/l	100
10) Methyl Iodide	4.26	142	23282	18.770	ug/l	99
11) Tert butyl alcohol	5.18	59	1607	24.015	ug/l #	66
12) 1,1-Dichloroethene	4.04	96	20884	21.975	ug/l	97
13) Acrolein	3.90	56	7671	111.626	ug/l	100
14) Allyl chloride	4.67	41	34570	21.932	ug/l	99
15) Acrylonitrile	5.38	53	23952	118.330	ug/l	99
16) Acetone	4.14	43	18025	120.778	ug/l	96
17) Carbon Disulfide	4.38	76	69025	22.466	ug/l	99
18) Methyl Acetate	4.67	43	12719	23.932	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	61362	24.728	ug/l	100
20) Methylene Chloride	4.92	84	28175	20.504	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	25218	22.779	ug/l	93
22) Diisopropyl ether	6.31	45	71701	23.371	ug/l	97
23) Vinyl Acetate	6.26	43	197216	121.048	ug/l	100
24) 1,1-Dichloroethane	6.21	63	41359	22.160	ug/l	98
25) 2-Butanone	7.17	43	29970	117.249	ug/l	99
26) 2,2-Dichloropropane	7.17	77	35429	21.109	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	26773	22.710	ug/l	99
28) Bromochloromethane	7.51	49	15145	21.711	ug/l #	98
29) Tetrahydrofuran	7.54	42	19293	116.542	ug/l	99
30) Chloroform	7.68	83	43895	22.137	ug/l	94
31) Cyclohexane	7.95	56	44807	22.633	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	41680	23.337	ug/l	99
36) 1,1-Dichloropropene	8.09	75	37923	22.633	ug/l	100
37) Ethyl Acetate	7.26	43	14806	24.385	ug/l	97
38) Carbon Tetrachloride	8.07	117	35943	22.402	ug/l	100

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Quant Time: Nov 22 04:41:34 2018
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	43689	20.836	ug/l	97
40) Benzene	8.32	78	101366	22.412	ug/l	100
41) Methacrylonitrile	7.48	41	8752	23.211	ug/l	93
42) 1,2-Dichloroethane	8.40	62	29705	22.622	ug/l	100
43) Isopropyl Acetate	8.42	43	26846	23.202	ug/l	98
44) Trichloroethene	9.09	130	28640	22.589	ug/l	98
45) 1,2-Dichloropropane	9.37	63	25606	22.967	ug/l	100
46) Dibromomethane	9.46	93	12700	22.746	ug/l	99
47) Bromodichloromethane	9.65	83	34221	23.263	ug/l	99
48) Methyl methacrylate	9.44	41	11879	21.292	ug/l	95
49) 1,4-Dioxane	9.48	88	3527	425.014	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	65011	111.181	ug/l	100
52) Toluene	10.39	92	66706	21.672	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	31621	22.190	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	38155	22.162	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	18666	22.723	ug/l	98
56) Ethyl methacrylate	10.65	69	21281	22.318	ug/l	99
57) 1,3-Dichloropropane	10.93	76	32319	23.477	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	56390	113.172	ug/l	99
59) 2-Hexanone	10.97	43	43183	107.845	ug/l	98
60) Dibromochloromethane	11.13	129	21453	22.919	ug/l	98
61) 1,2-Dibromoethane	11.24	107	17611	23.436	ug/l	98
64) Tetrachloroethene	10.87	164	23331	22.552	ug/l	98
65) Chlorobenzene	11.66	112	72492	21.598	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	22938	22.592	ug/l	98
67) Ethyl Benzene	11.73	91	130500	21.165	ug/l	99
68) m/p-Xylenes	11.84	106	104579	43.231	ug/l	99
69) o-Xylene	12.17	106	48861	21.421	ug/l	99
70) Styrene	12.18	104	78154	21.528	ug/l	100
71) Bromoform	12.35	173	11027	23.054	ug/l #	98
73) Isopropylbenzene	12.47	105	133695	21.489	ug/l	100
74) N-amyl acetate	12.27	43	22773	21.839	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	18661	22.537	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	24588	39.087	ug/l #	100
77) Bromobenzene	12.75	156	28860	21.597	ug/l	99
78) n-propylbenzene	12.81	91	156903	20.819	ug/l	100
79) 2-Chlorotoluene	12.90	91	92841	21.365	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	114668	21.313	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	5475	21.851	ug/l	94
82) 4-Chlorotoluene	12.99	91	97661	21.416	ug/l	99
83) tert-Butylbenzene	13.21	119	96807	20.783	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	114399	21.342	ug/l	99
85) sec-Butylbenzene	13.39	105	137377	20.876	ug/l	100
86) p-Isopropyltoluene	13.51	119	121686	20.960	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	58728	21.527	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	58727	21.591	ug/l	100
89) n-Butylbenzene	13.83	91	112973	20.678	ug/l	98
90) Hexachloroethane	14.10	117	17727	20.915	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	51400	21.502	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2974	21.267	ug/l	97

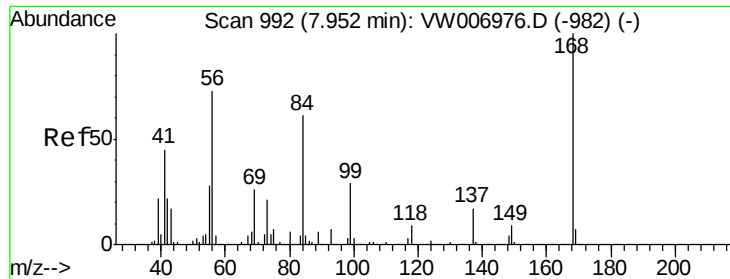
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	31965	20.279	ug/l	99
94) Hexachlorobutadiene	15.24	225	17459	20.374	ug/l	99
95) Naphthalene	15.37	128	57875	20.227	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	26942	20.602	ug/l	100

(#) = 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: VW007020.D

Acq: 22 Nov 2018 02:02

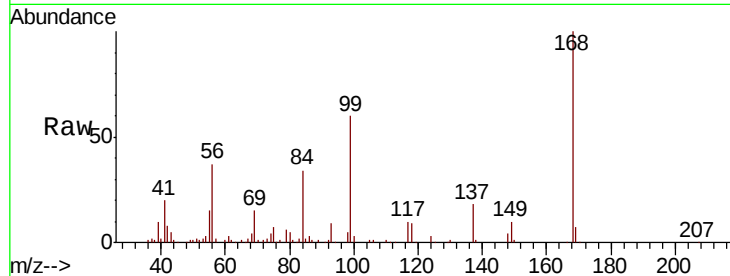
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 104994

Ion Ratio Lower Upper

168 100

99 60.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW006976.D (-982) (-)

Ion 98.90 (98.60 to 99.60): VW007020.D (-943) (-)

7.95

50000

40000

30000

20000

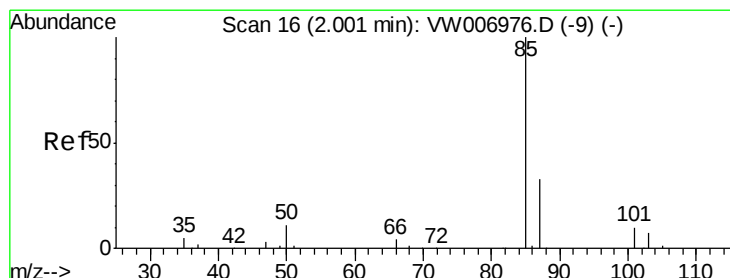
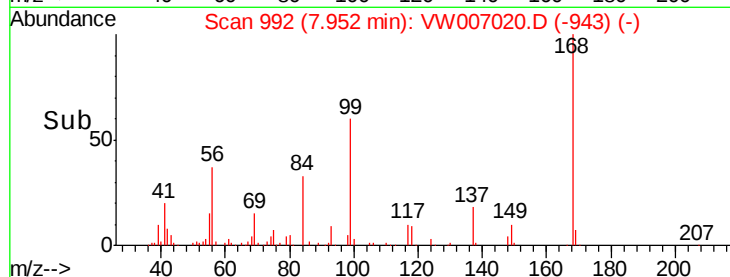
10000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 23.994 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW007020.D

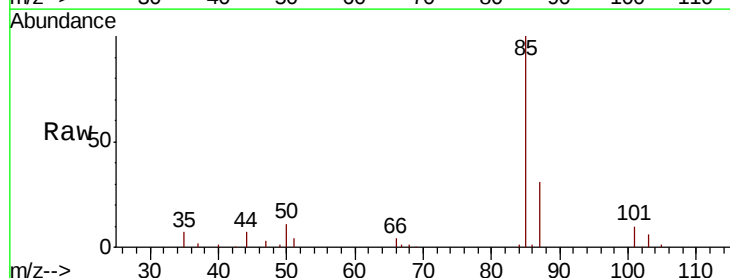
Acq: 22 Nov 2018 02:02

Tgt Ion: 85 Resp: 24873

Ion Ratio Lower Upper

85 100

87 30.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW006976.D (-9) (-)

Ion 86.90 (86.60 to 87.60): VW007020.D (-1) (-)

2.00

20000

15000

10000

5000

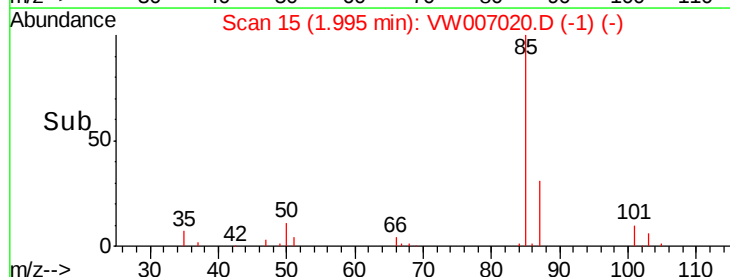
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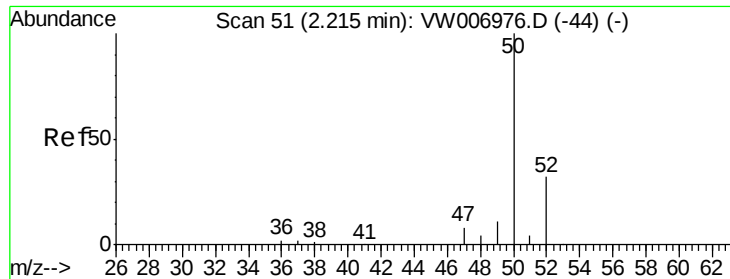
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 23.678 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

Instrument :

MSVOA_W

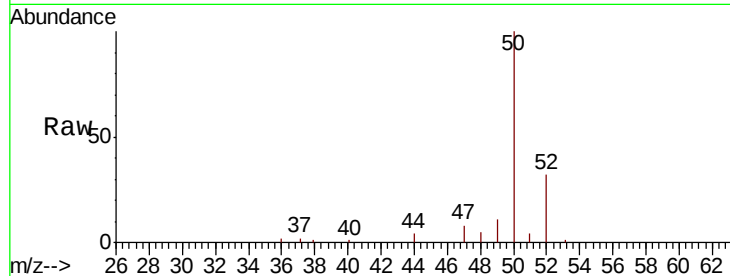
ClientSampleId :

Tot Ion: 50 Resp: 20456

Ion Ratio Lower Upper

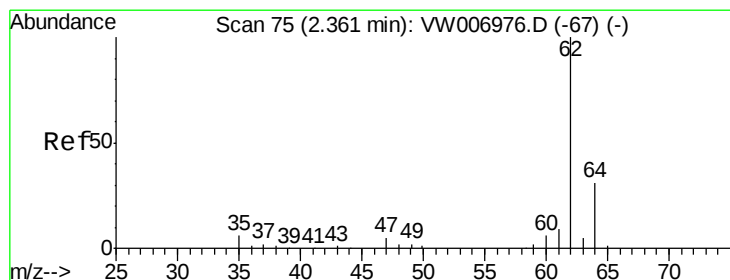
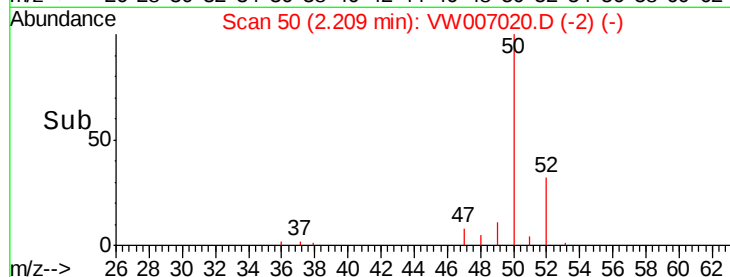
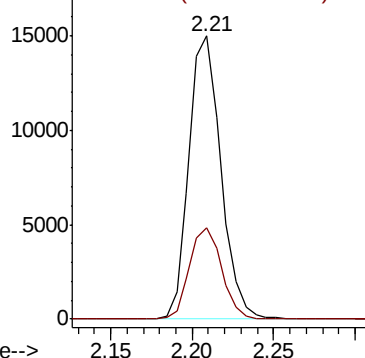
50 100

52 32.4 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 21.611 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW007020.D

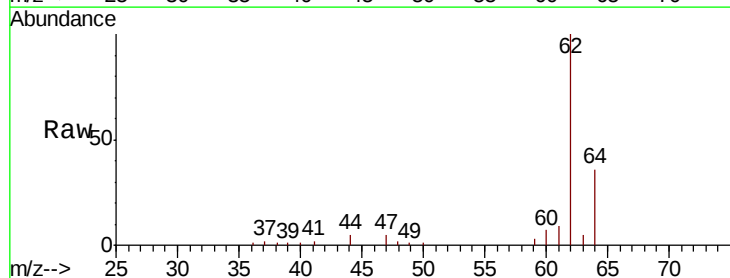
Acq: 22 Nov 2018 02:02

Tgt Ion: 62 Resp: 18369

Ion Ratio Lower Upper

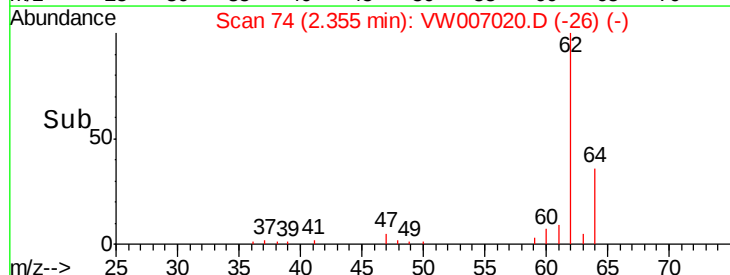
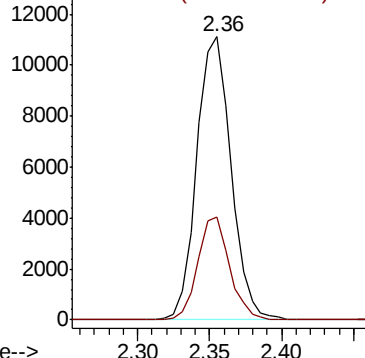
62 100

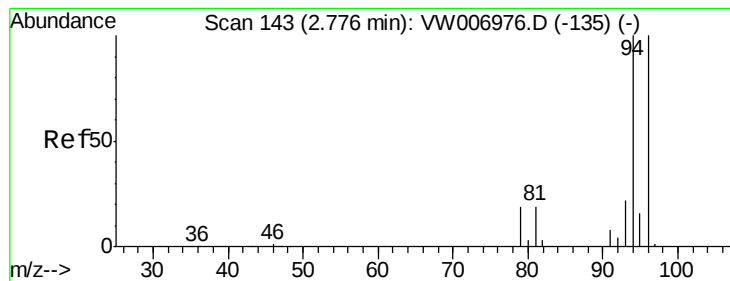
64 36.2 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 22.104 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

Instrument :

MSVOA_W

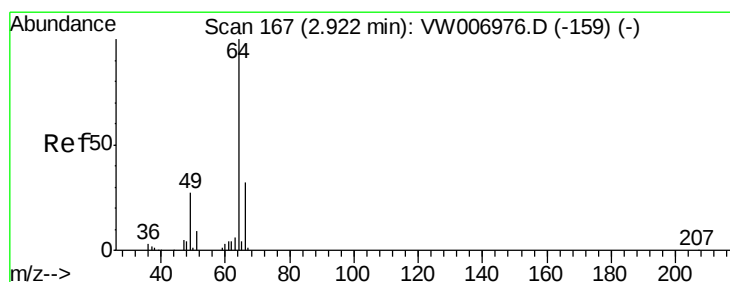
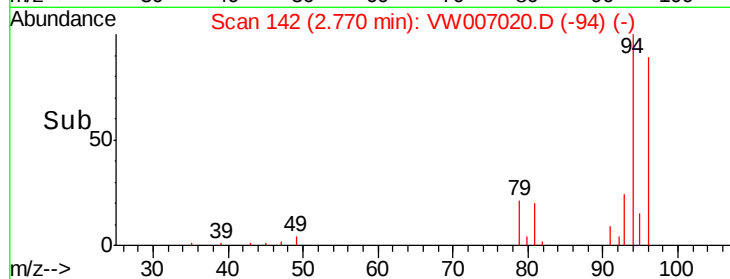
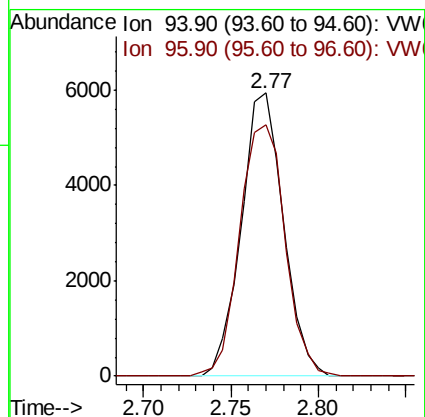
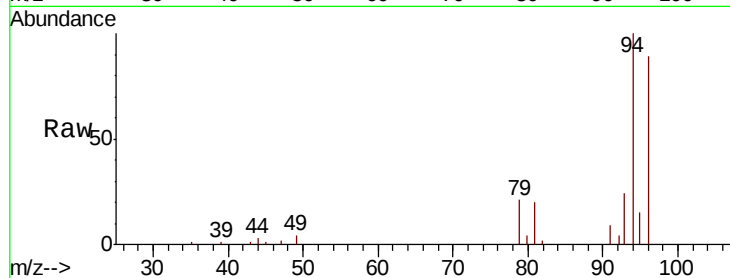
ClientSampleId :

Tot Ion: 94 Resp: 10028

Ion Ratio Lower Upper

94 100

96 88.9 80.2 120.2



#6

Chloroethane

Concen: 21.771 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW007020.D

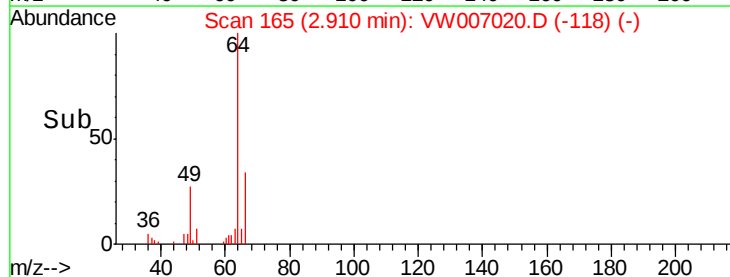
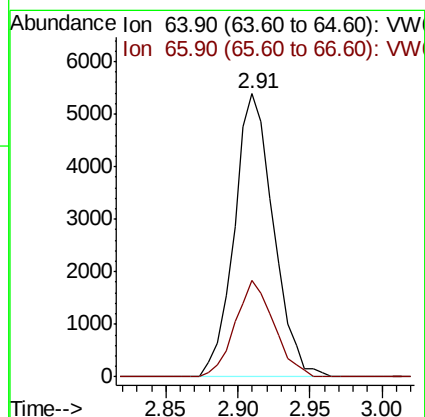
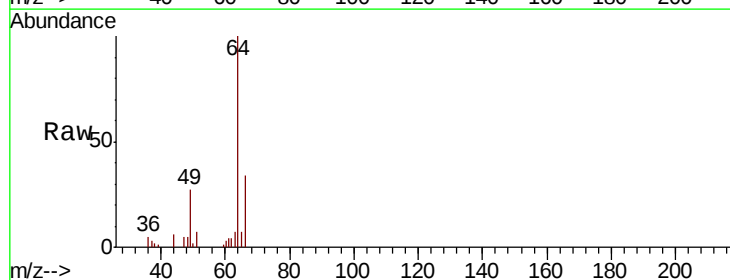
Acq: 22 Nov 2018 02:02

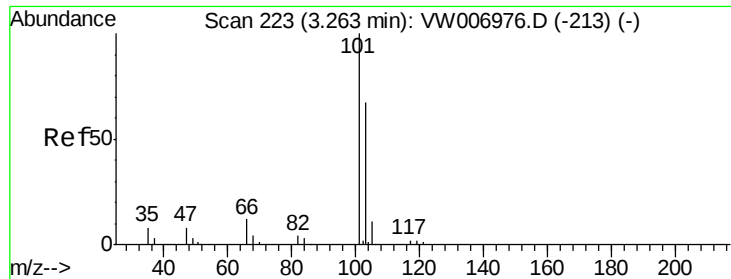
Tgt Ion: 64 Resp: 10201

Ion Ratio Lower Upper

64 100

66 33.9 25.3 37.9



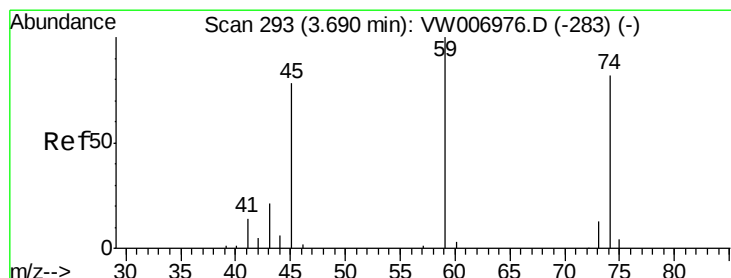
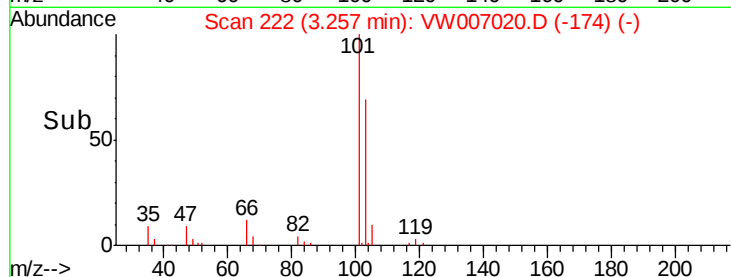
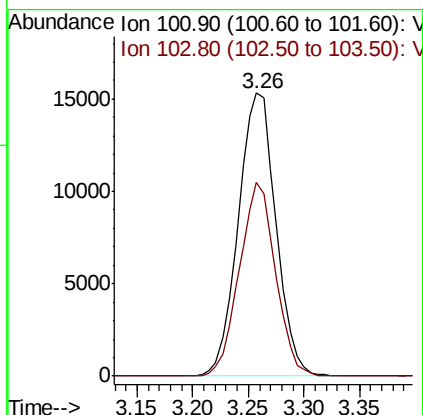
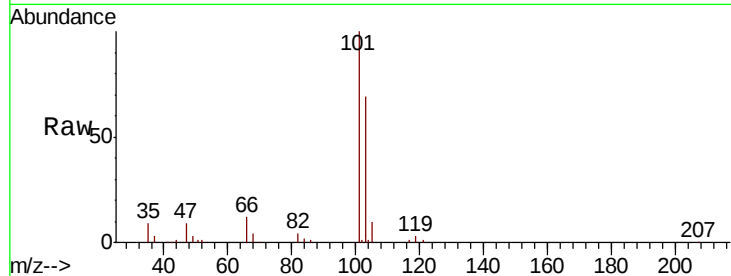


#7

Trichlorofluoromethane
Concen: 21.518 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Instrument :
MSVOA_W
ClientSampleId :

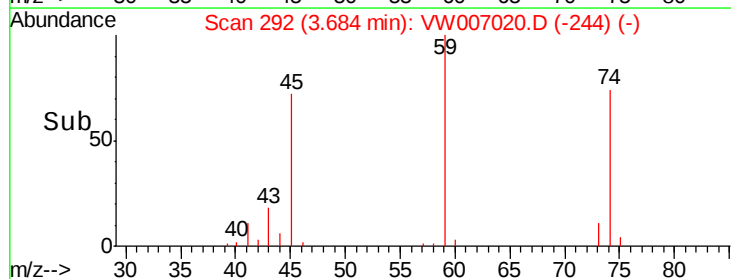
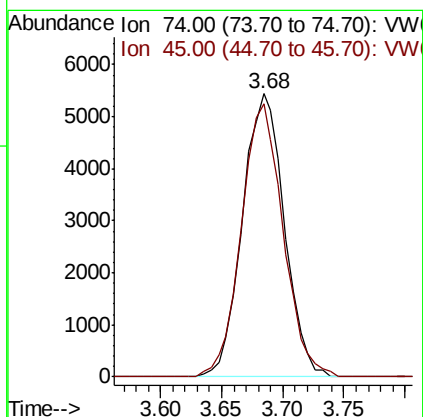
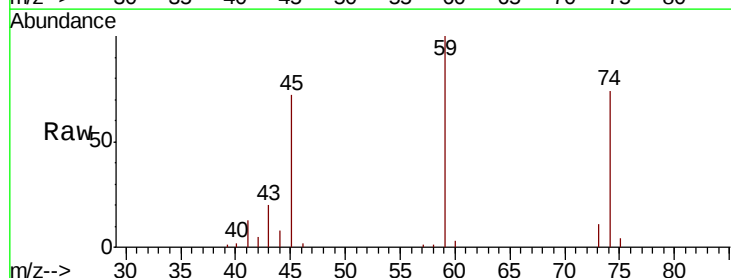
Tot Ion:101 Resp: 35965
Ion Ratio Lower Upper
101 100
103 68.6 53.4 80.2

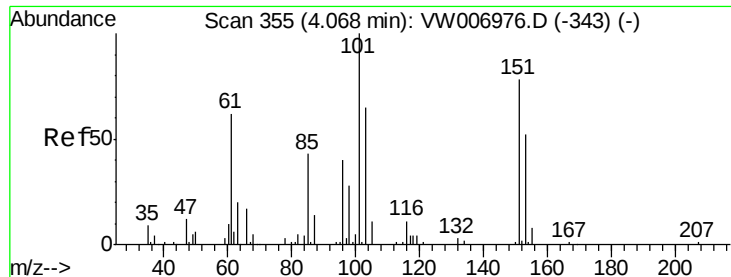


#8

Diethyl Ether
Concen: 24.010 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.01 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Tgt Ion: 74 Resp: 12931
Ion Ratio Lower Upper
74 100
45 96.6 48.4 145.2

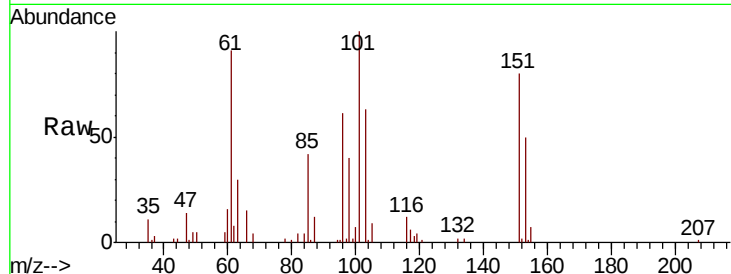




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.538 ug/l
 RT: 4.06 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VW007020.D
 Acq: 22 Nov 2018 02:02

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.3	34.3	51.5
151	79.5	63.4	95.2

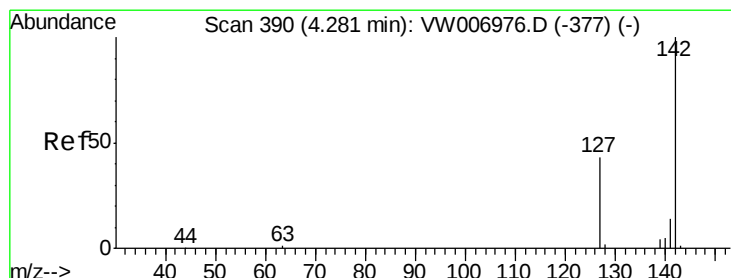
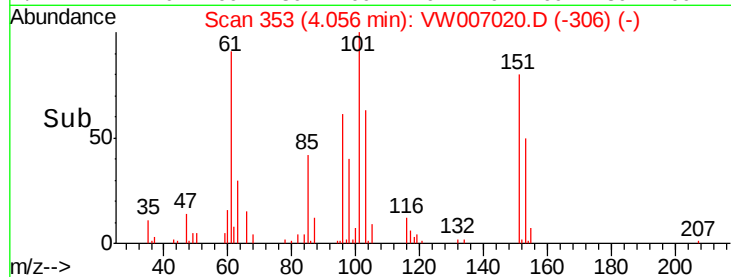
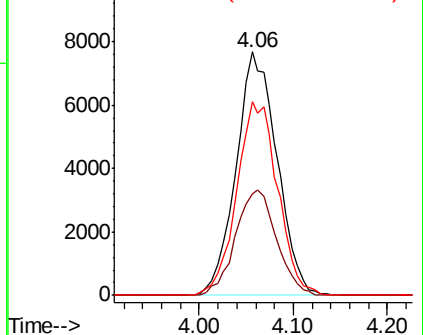


Abundance

Ion 100.90 (100.60 to 101.60): V

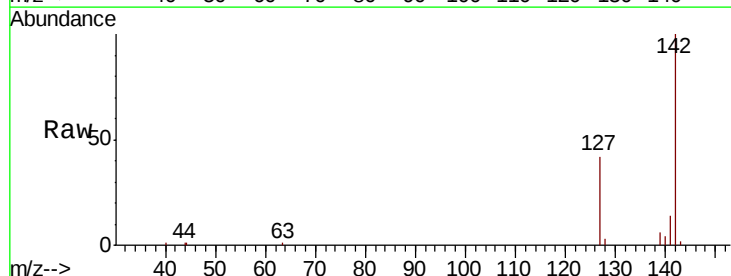
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 18.770 ug/l
 RT: 4.26 min Scan# 387
 Delta R.T. -0.02 min
 Lab File: VW007020.D
 Acq: 22 Nov 2018 02:02

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.7	35.3	52.9
141	14.9	11.7	17.5

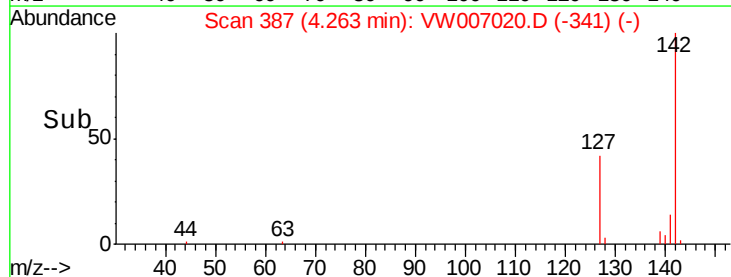
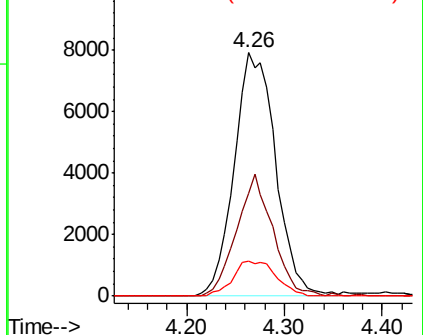


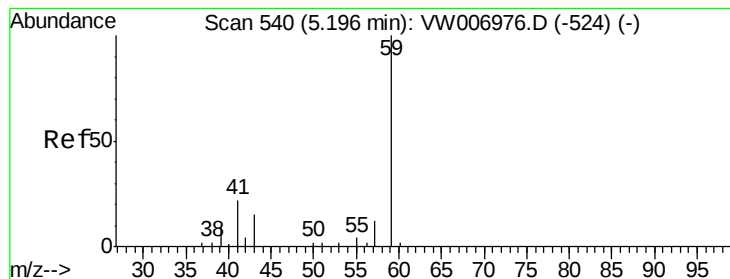
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



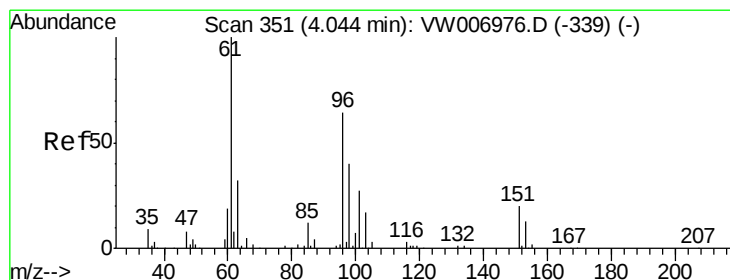
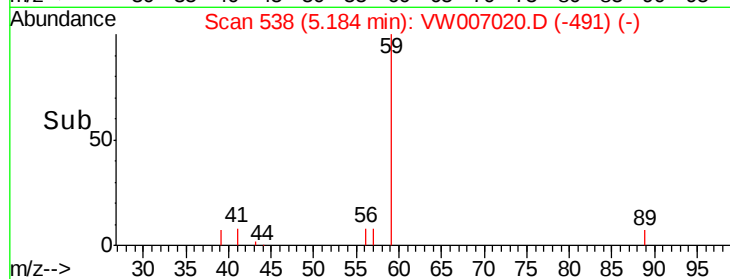
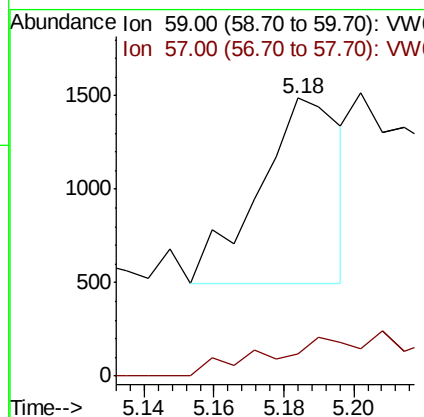
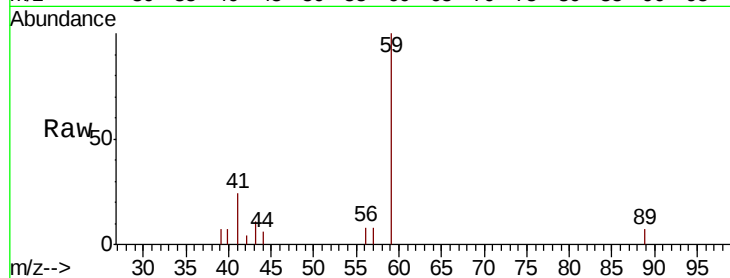


#11

Tert butyl alcohol
 Concen: 24.015 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. -0.01 min
 Lab File: VW007020.D
 Acq: 22 Nov 2018 02:02

Instrument :
 MSVOA_W
 ClientSampled :

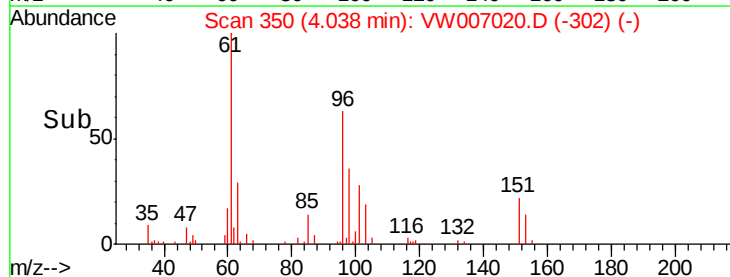
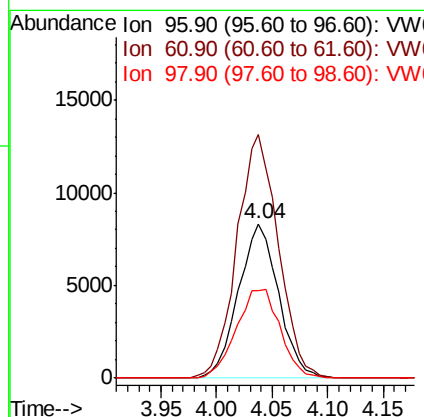
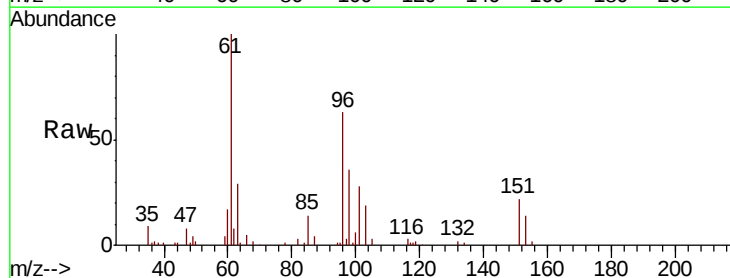
Tot Ion: 59 Resp: 1607
 Ion Ratio Lower Upper
 59 100
 57 23.6 8.6 13.0#

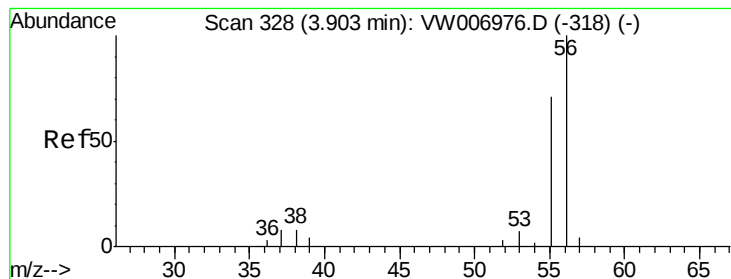


#12

1,1-Dichloroethene
 Concen: 21.975 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW007020.D
 Acq: 22 Nov 2018 02:02

Tgt Ion: 96 Resp: 20884
 Ion Ratio Lower Upper
 96 100
 61 158.0 124.3 186.5
 98 56.7 49.4 74.2





#13

Acrolein

Concen: 111.626 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

Instrument :

MSVOA_W

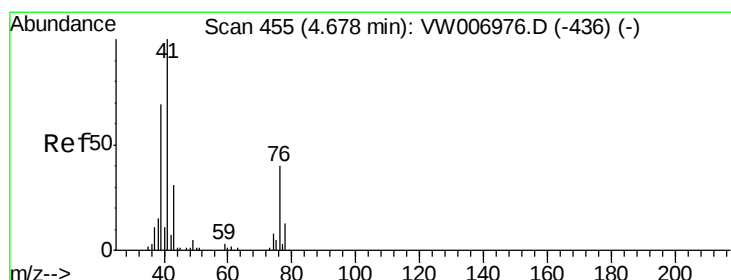
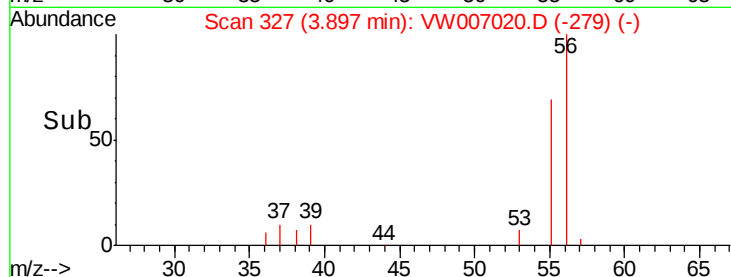
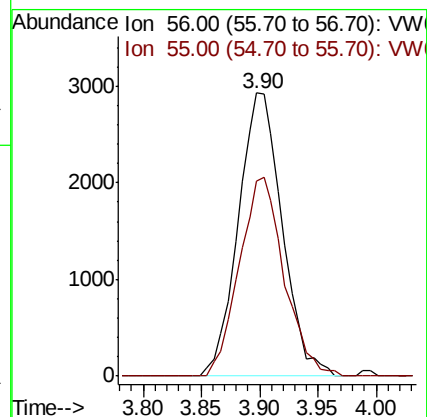
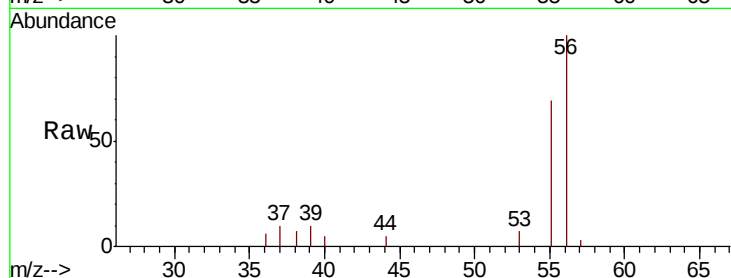
ClientSampleId :

Tot Ion: 56 Resp: 7671

Ion Ratio Lower Upper

56 100

55 71.7 57.5 86.3



#14

Allyl chloride

Concen: 21.932 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

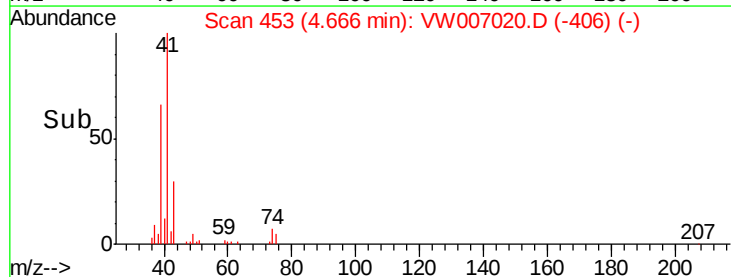
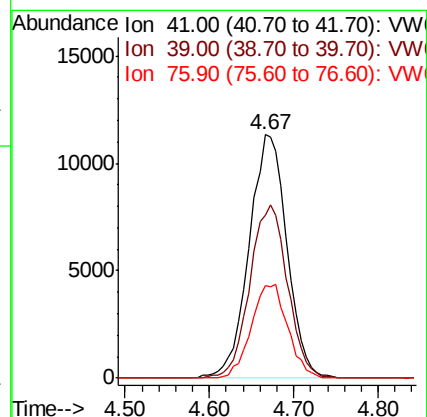
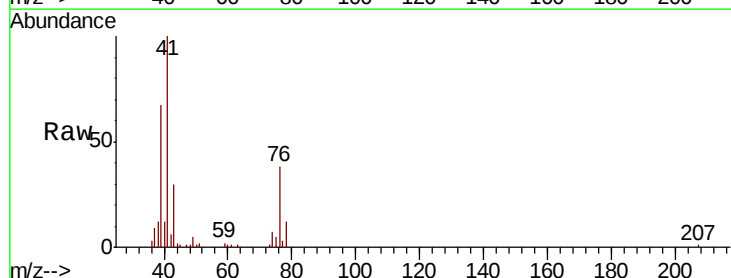
Tgt Ion: 41 Resp: 34570

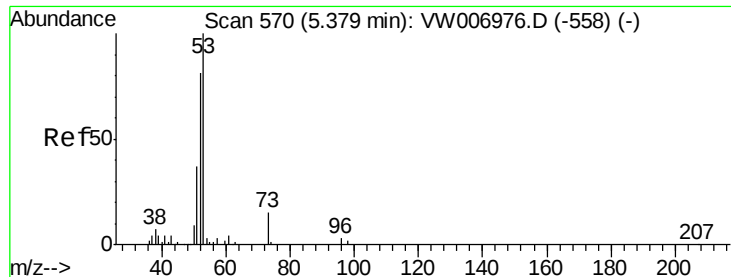
Ion Ratio Lower Upper

41 100

39 71.0 55.4 83.2

76 37.0 29.6 44.4





#15

Acrylonitrile

Concen: 118.330 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

Instrument :

MSVOA_W

ClientSampled :

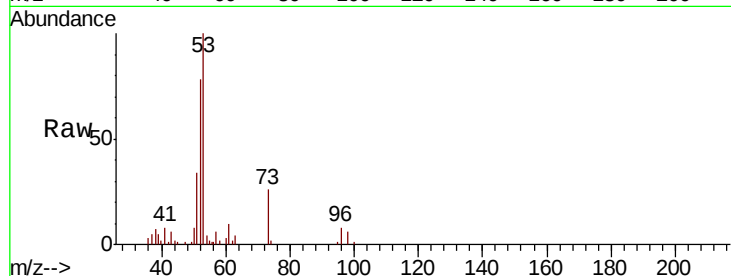
Tot Ion: 53 Resp: 23952

Ion Ratio Lower Upper

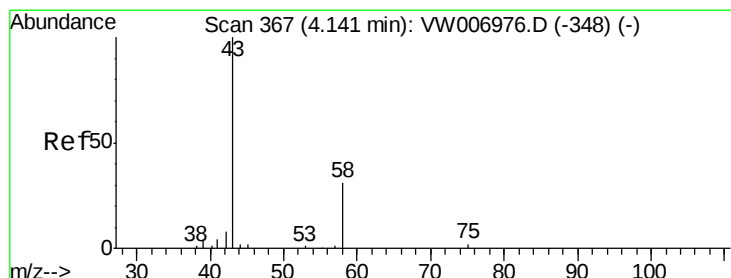
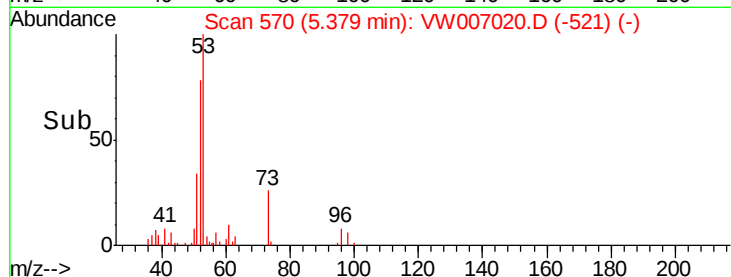
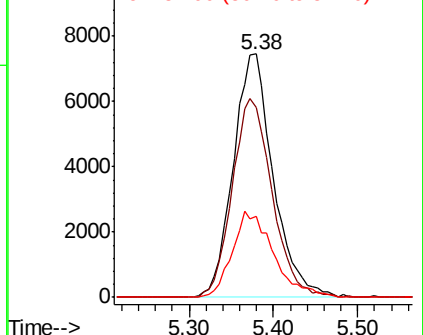
53 100

52 81.6 65.7 98.5

51 36.6 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 120.778 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW007020.D

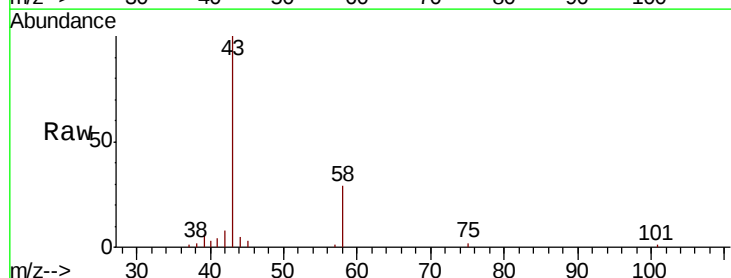
Acq: 22 Nov 2018 02:02

Tgt Ion: 43 Resp: 18025

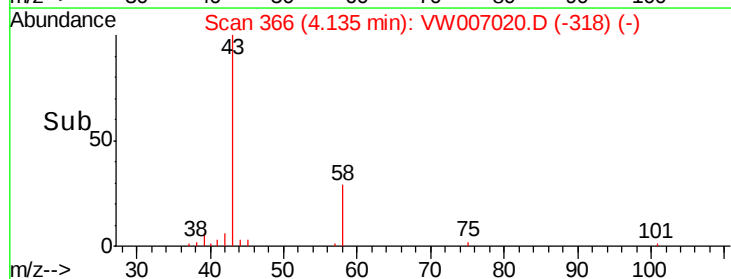
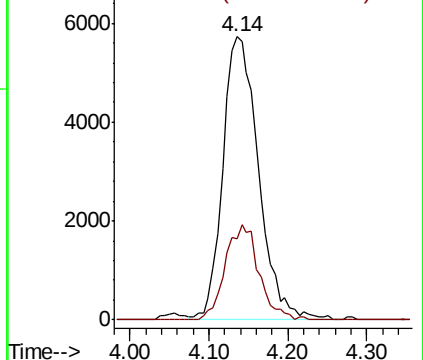
Ion Ratio Lower Upper

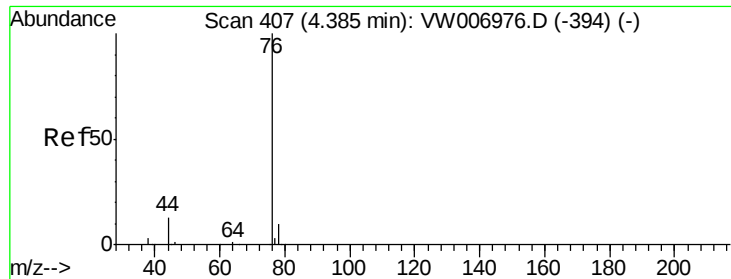
43 100

58 28.9 24.8 37.2



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

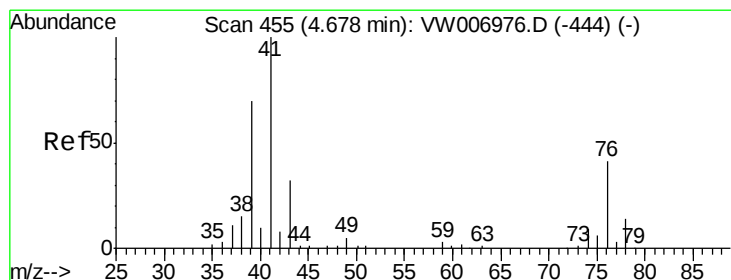
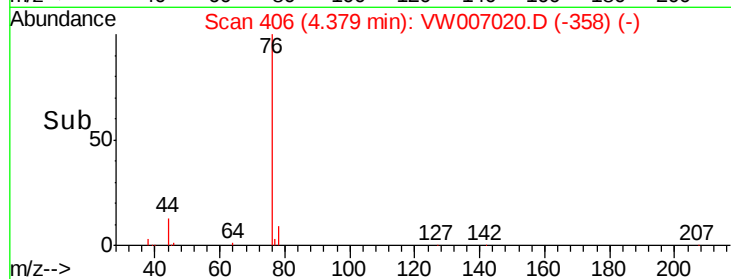
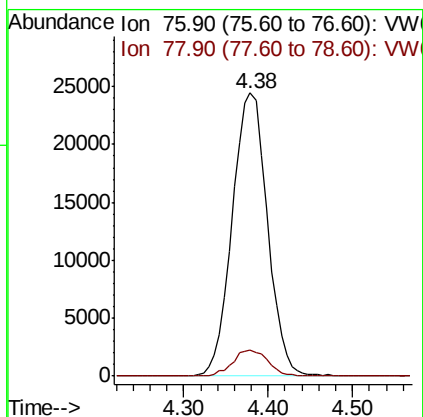
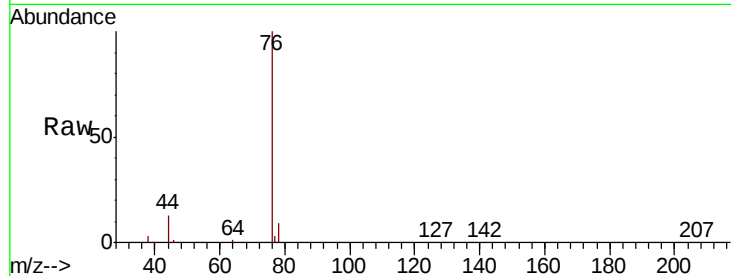




#17
Carbon Disulfide
Concen: 22.466 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

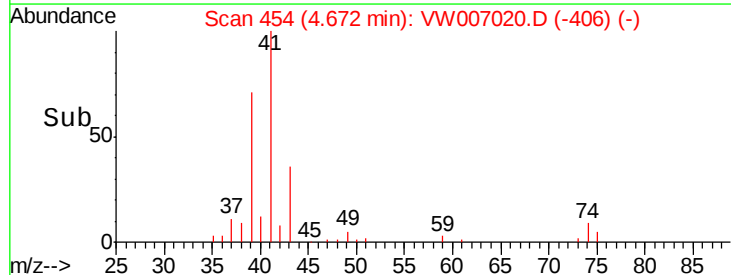
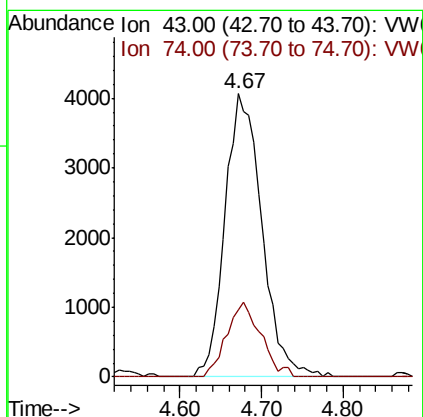
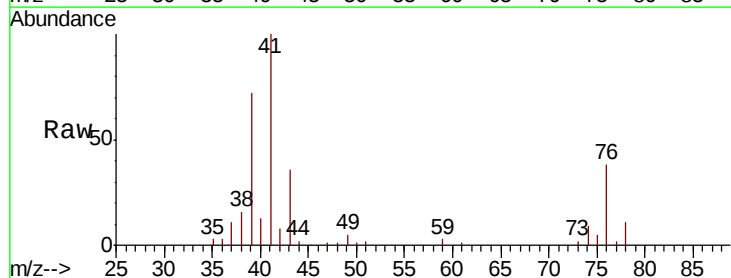
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 76 Resp: 69025
Ion Ratio Lower Upper
76 100
78 9.2 7.8 11.6



#18
Methyl Acetate
Concen: 23.932 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Tgt Ion: 43 Resp: 12719
Ion Ratio Lower Upper
43 100
74 24.3 20.1 30.1



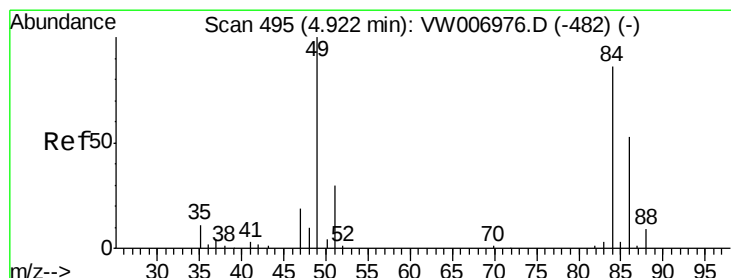
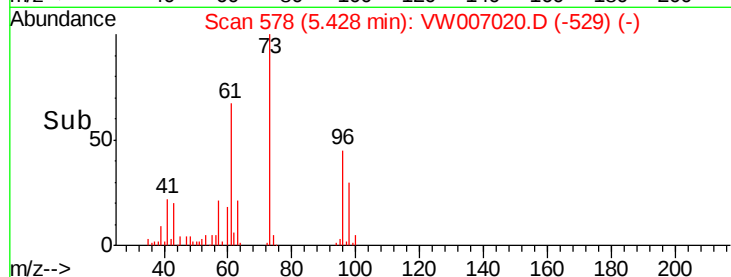
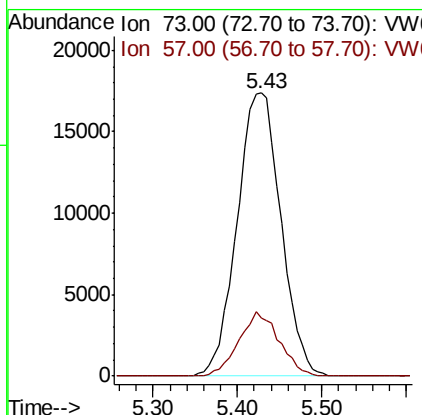
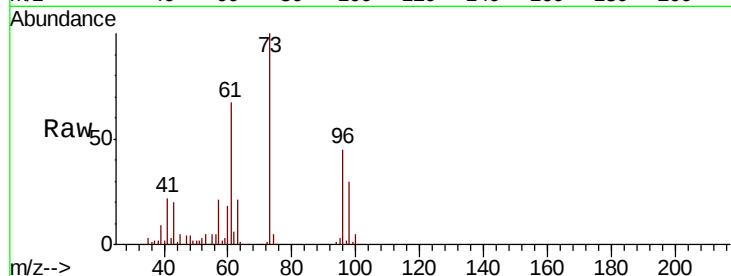


#19

Methyl tert-butyl Ether
 Concen: 24.728 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW007020.D
 Acq: 22 Nov 2018 02:02

Instrument :
 MSVOA_W
 ClientSampleId :

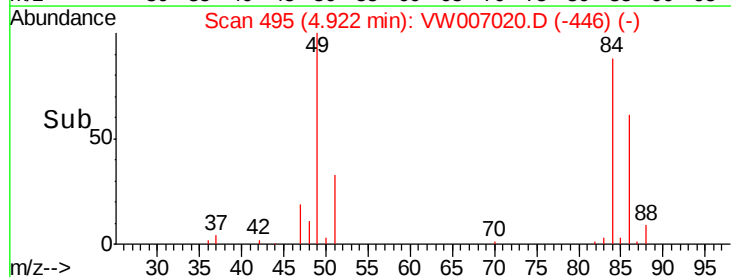
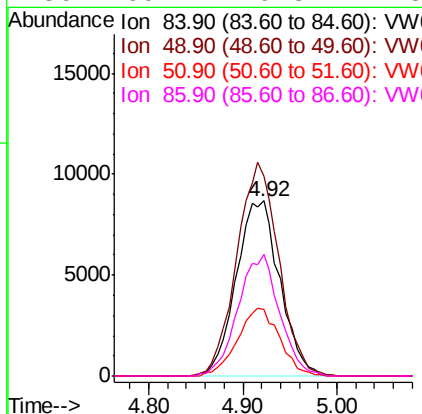
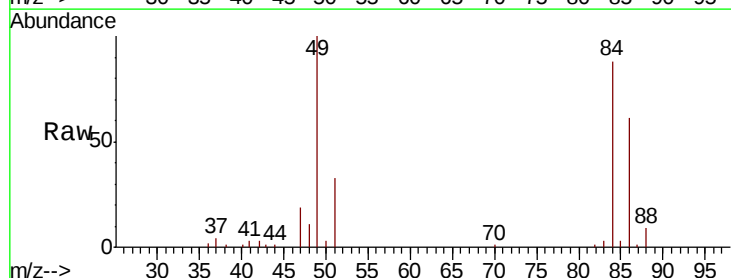
Tot Ion: 73 Resp: 61362
 Ion Ratio Lower Upper
 73 100
 57 20.7 16.7 25.1

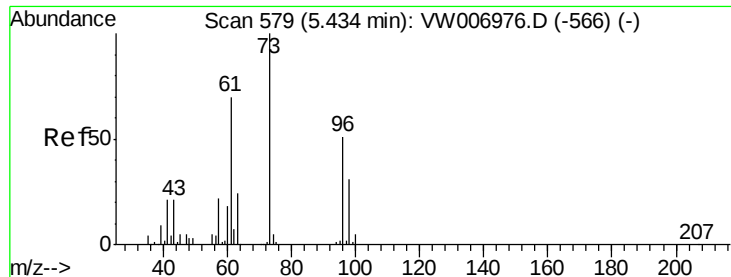


#20

Methylene Chloride
 Concen: 20.504 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VW007020.D
 Acq: 22 Nov 2018 02:02

Tgt Ion: 84 Resp: 28175
 Ion Ratio Lower Upper
 84 100
 49 114.1 93.4 140.0
 51 37.8 28.4 42.6
 86 69.1 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 22.779 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

Instrument :

MSVOA_W

ClientSampleId :

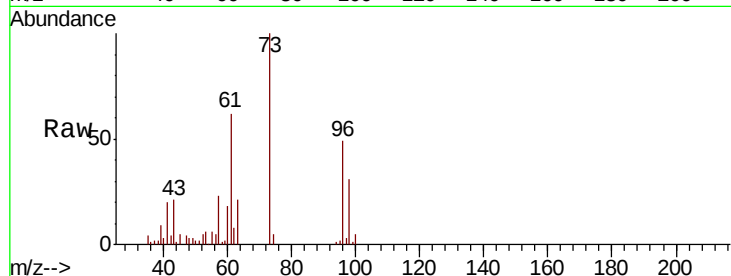
Tot Ion: 96 Resp: 25218

Ion Ratio Lower Upper

96 100

61 126.3 109.4 164.0

98 62.8 48.3 72.5

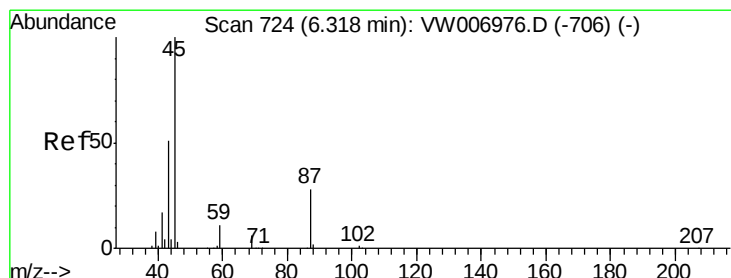
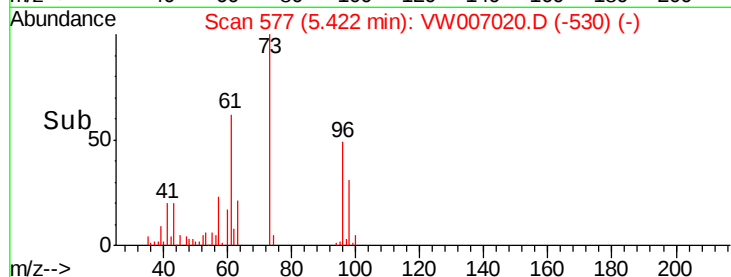
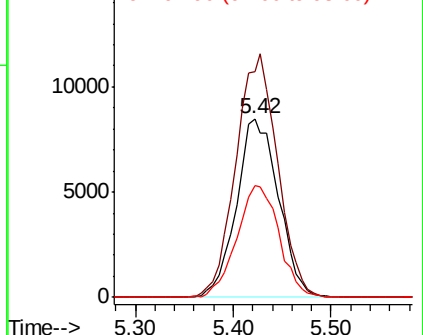


Abundance

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: 23.371 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

Tgt Ion: 45 Resp: 71701

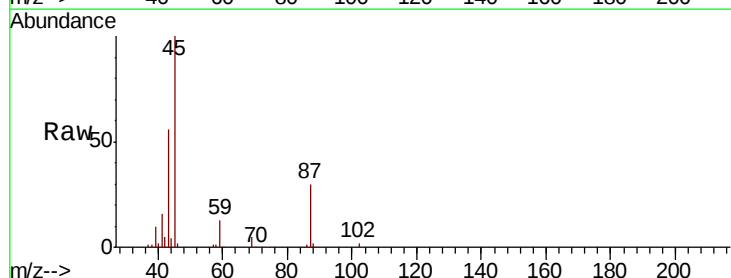
Ion Ratio Lower Upper

45 100

43 54.8 42.5 63.7

87 29.7 22.8 34.2

59 13.2 9.1 13.7



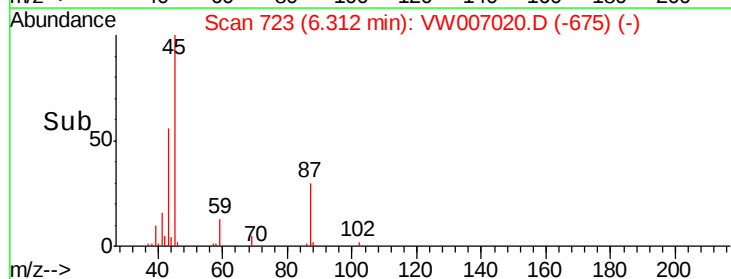
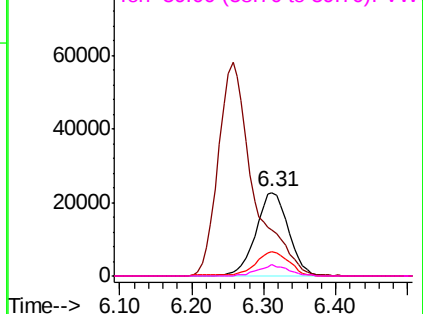
Abundance

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: 121.048 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

Instrument :

MSVOA_W

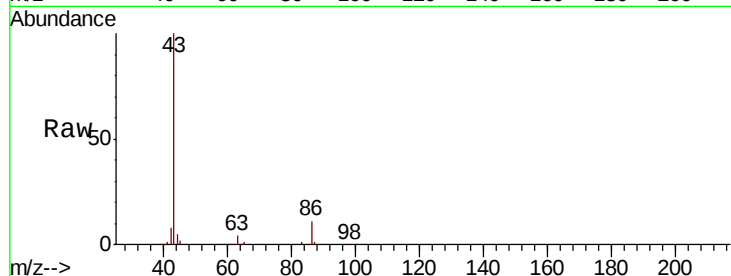
ClientSampleId :

Tot Ion: 43 Resp: 197216

Ion Ratio Lower Upper

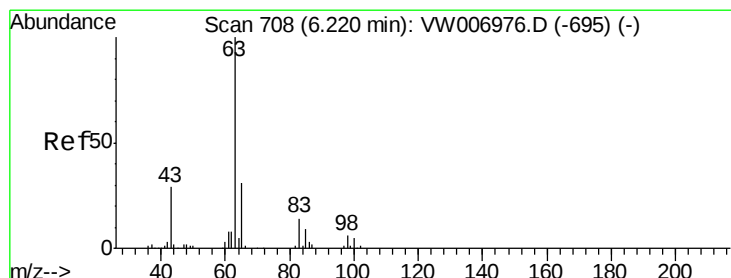
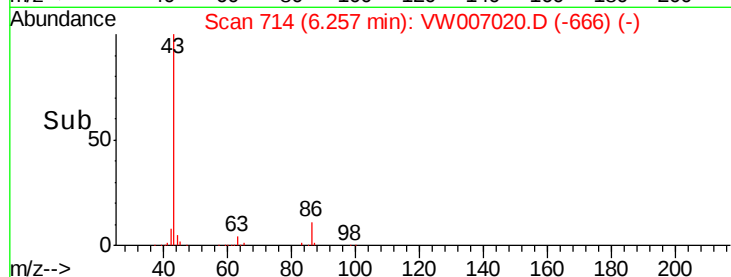
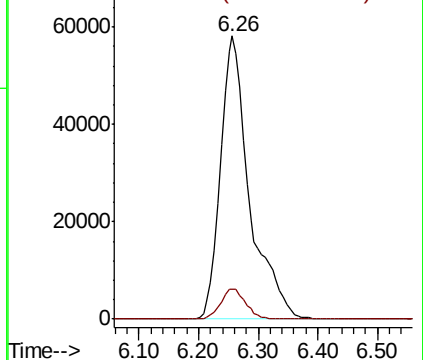
43 100

86 10.7 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: 22.160 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

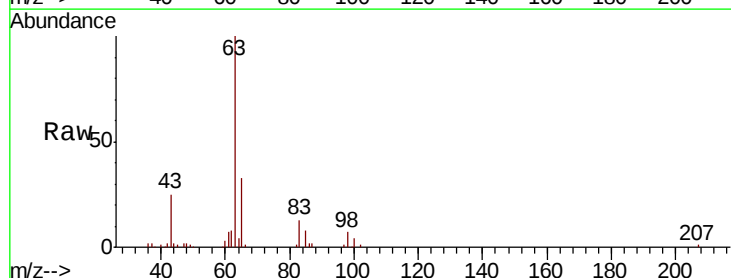
Tgt Ion: 63 Resp: 41359

Ion Ratio Lower Upper

63 100

98 7.2 3.1 9.4

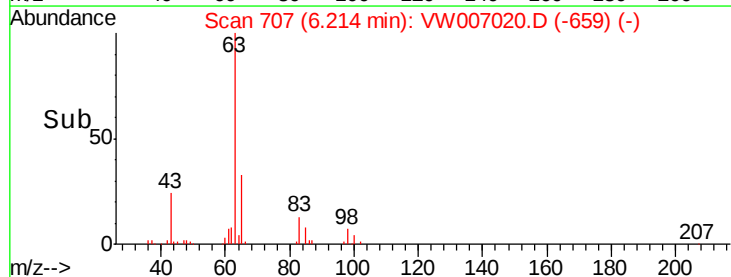
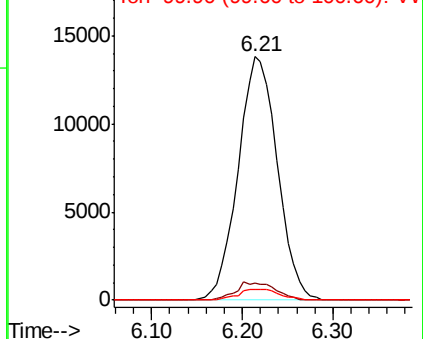
100 4.3 2.3 6.9

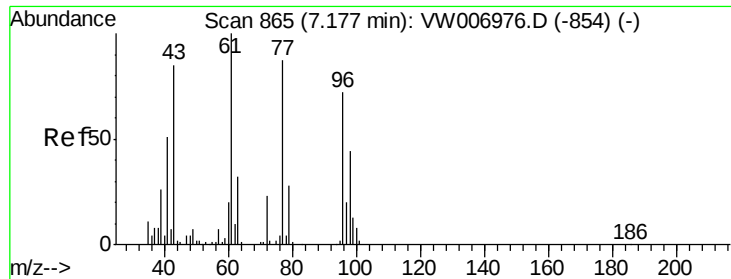


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 117.249 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

Instrument :

MSVOA_W

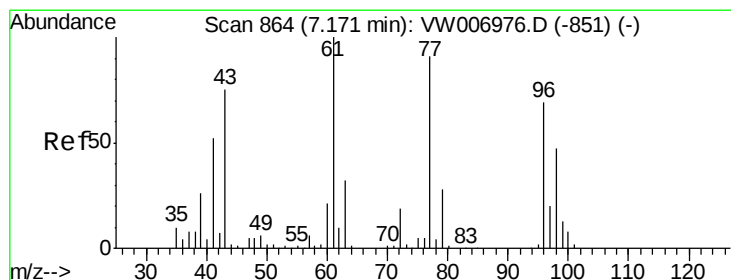
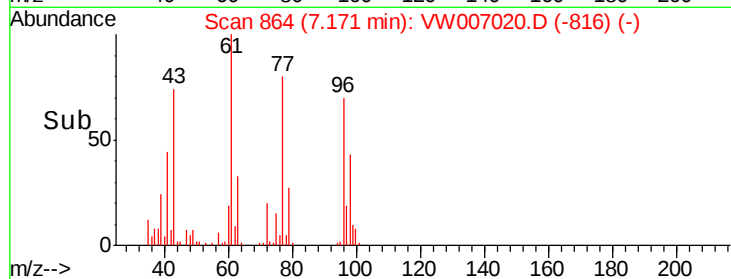
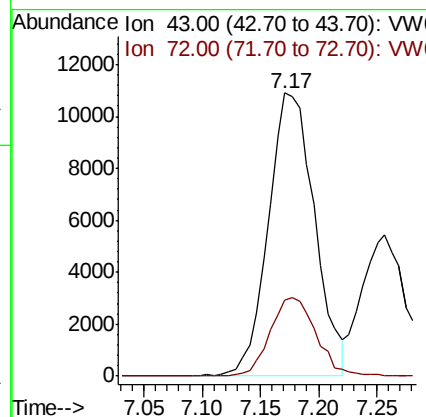
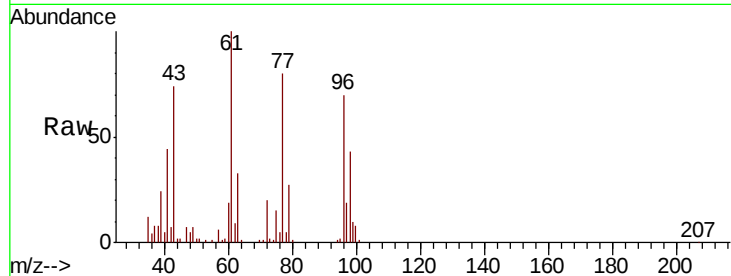
ClientSampled :

Tot Ion: 43 Resp: 29970

Ion Ratio Lower Upper

43 100

72 26.9 21.3 31.9



#26

2,2-Dichloropropane

Concen: 21.109 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007020.D

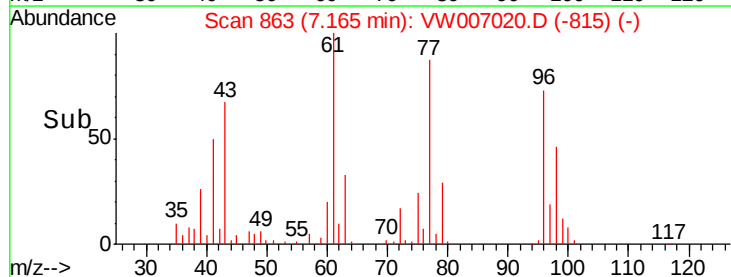
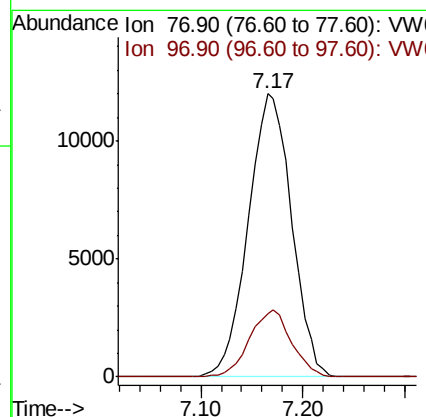
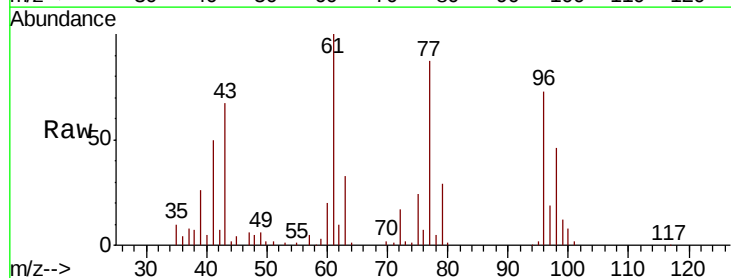
Acq: 22 Nov 2018 02:02

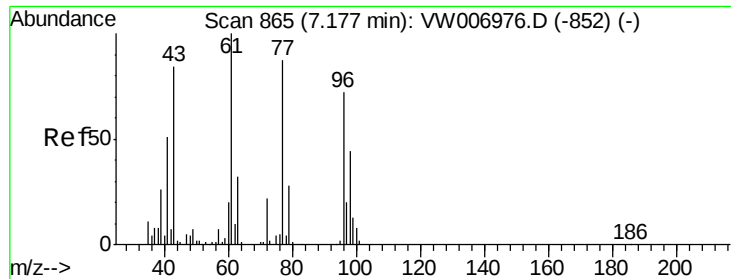
Tgt Ion: 77 Resp: 35429

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.1



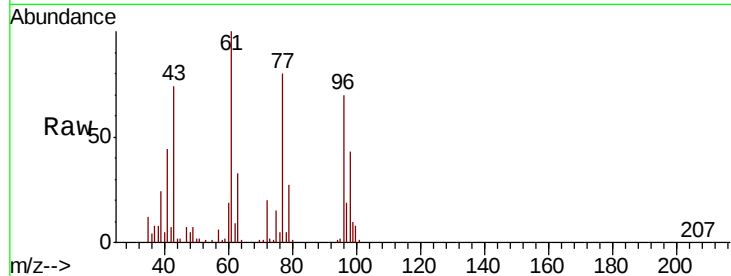


#27

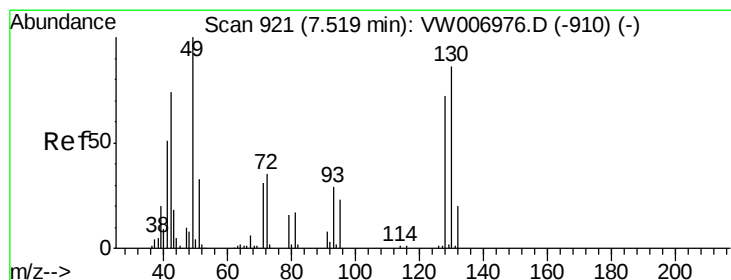
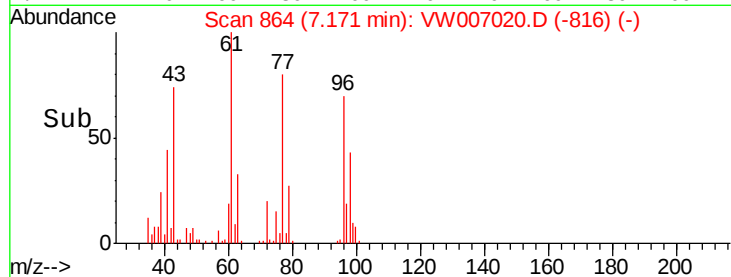
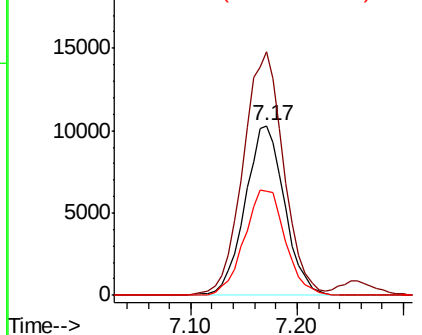
cis-1,2-Dichloroethene
Concen: 22.710 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	96	Resp	26773
Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	292.6
98	64.2	0.0	129.8



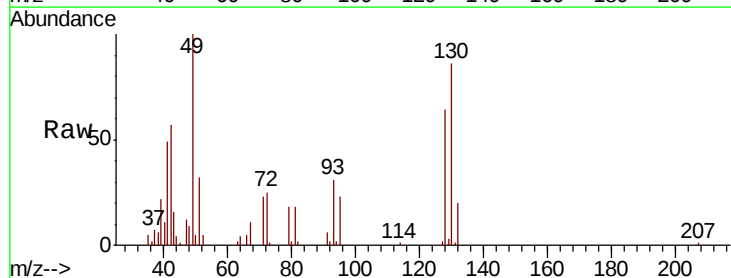
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



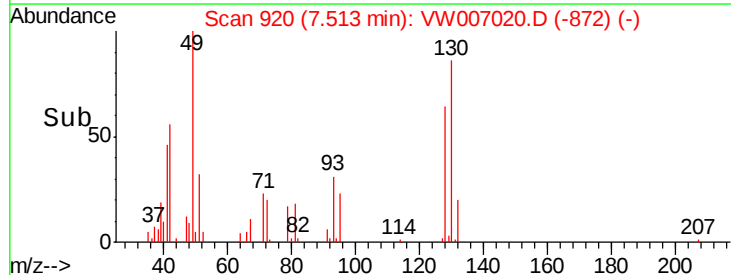
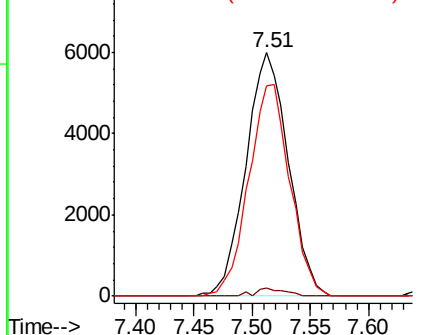
#28

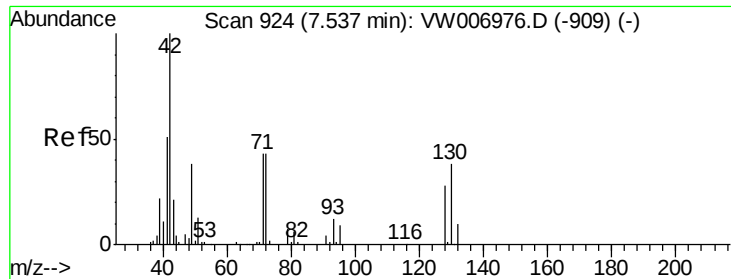
Bromochloromethane
Concen: 21.711 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Tgt Ion	49	Resp	15145
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.0#
130	84.1	69.0	103.4



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

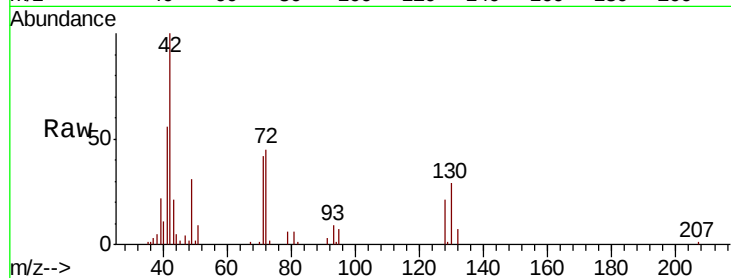




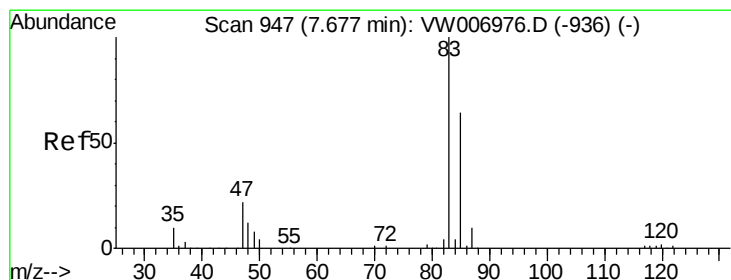
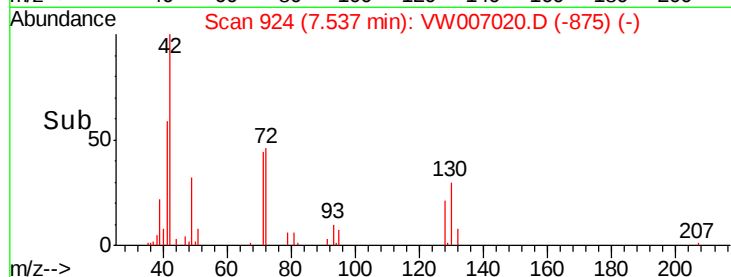
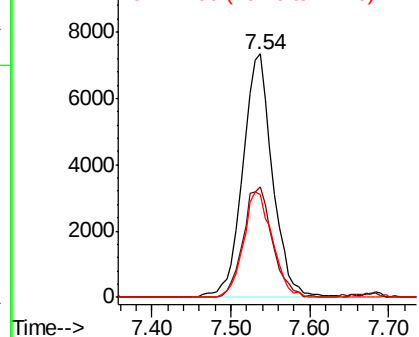
#29
Tetrahydrofuran
Concen: 116.542 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 19293
Ion Ratio Lower Upper
42 100
72 44.3 36.2 54.4
71 41.8 33.8 50.8

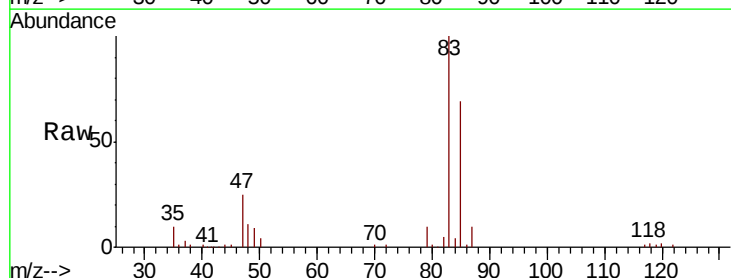


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

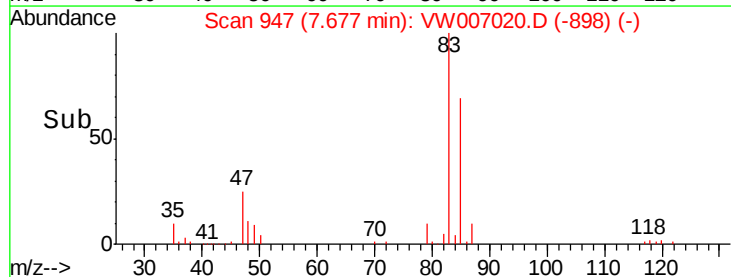
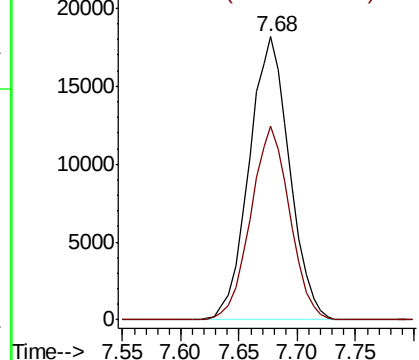


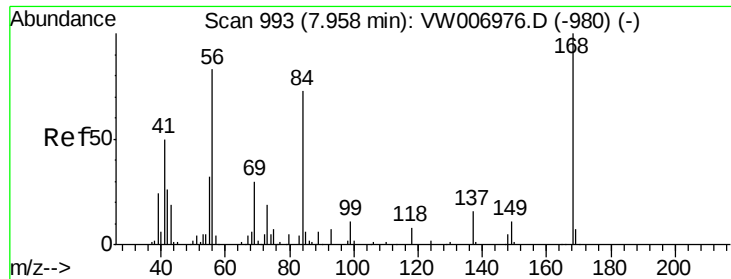
#30
Chloroform
Concen: 22.137 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Tgt Ion: 83 Resp: 43895
Ion Ratio Lower Upper
83 100
85 68.7 50.9 76.3



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

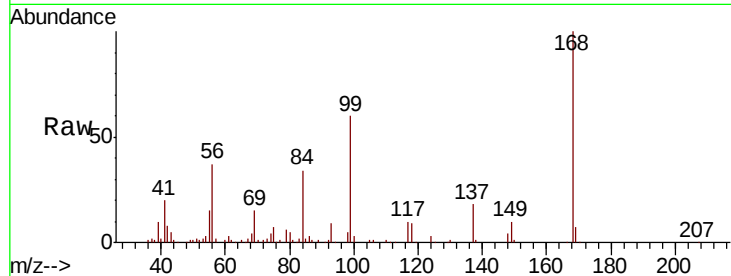




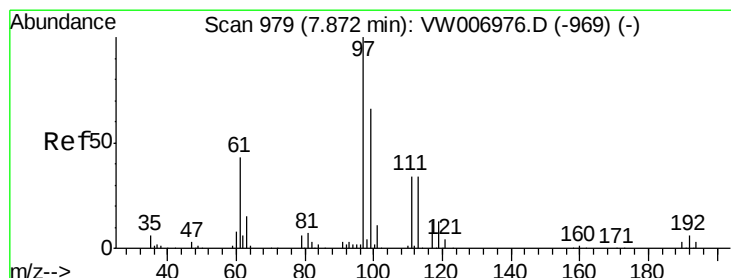
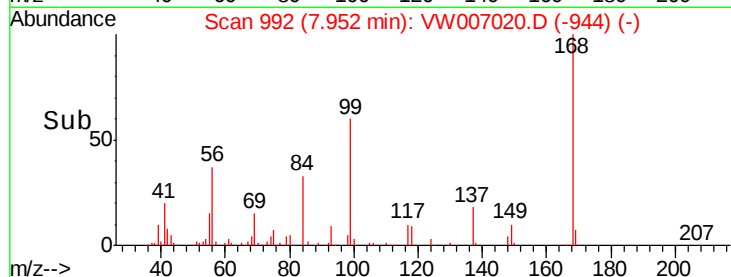
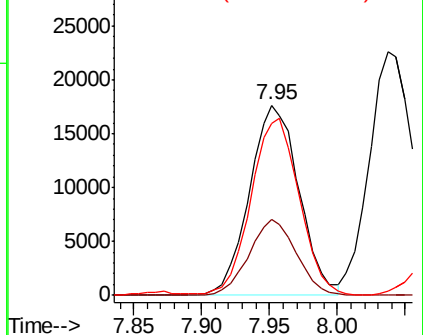
#31
Cyclohexane
Concen: 22.633 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 44807
Ion Ratio Lower Upper
56 100
69 40.0 29.1 43.7
84 89.6 70.6 105.8

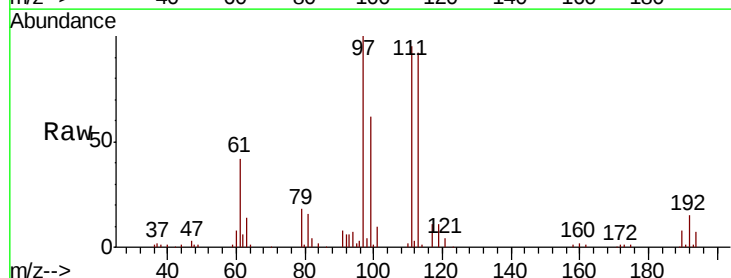


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

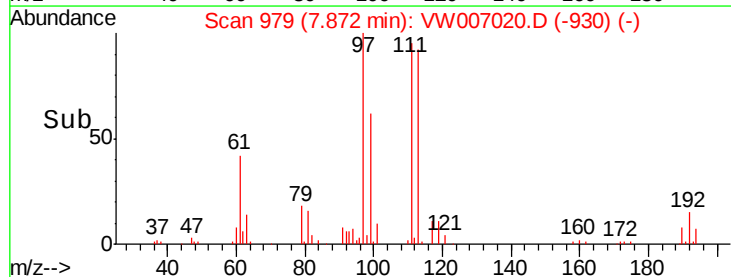
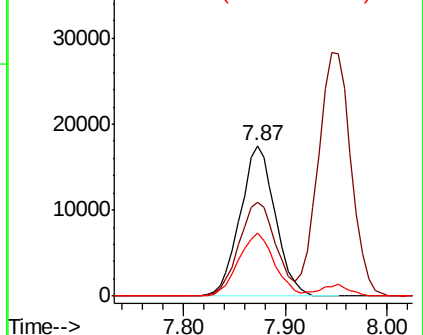


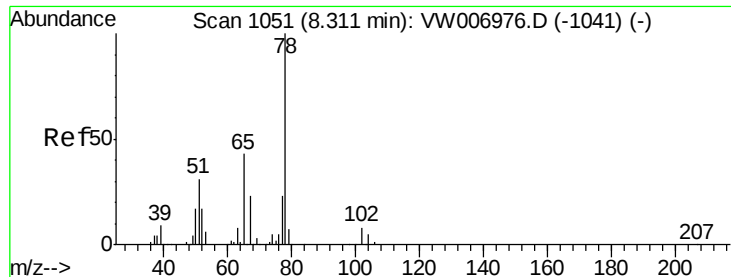
#32
1,1,1-Trichloroethane
Concen: 23.337 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Tgt Ion: 97 Resp: 41680
Ion Ratio Lower Upper
97 100
99 65.7 51.9 77.9
61 42.8 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: 60.163 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

Instrument :

MSVOA_W

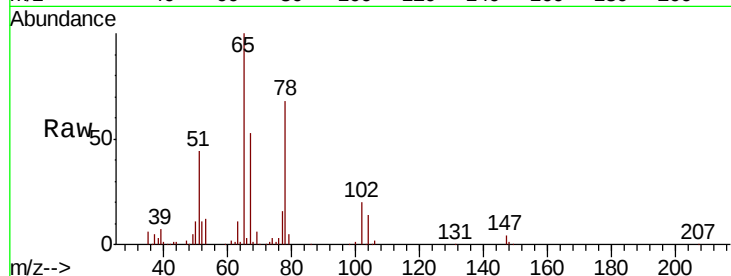
ClientSampleId :

Tot Ion: 65 Resp: 61842

Ion Ratio Lower Upper

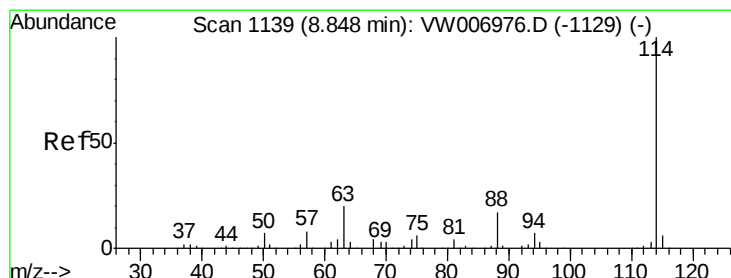
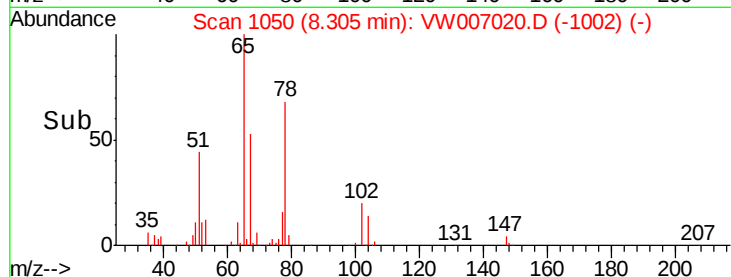
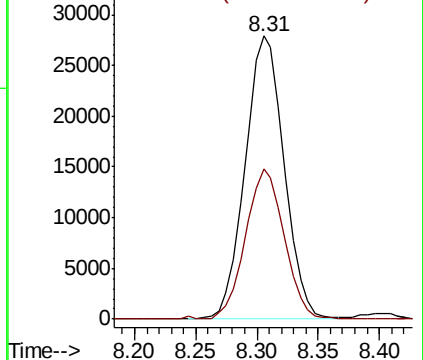
65 100

67 52.5 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

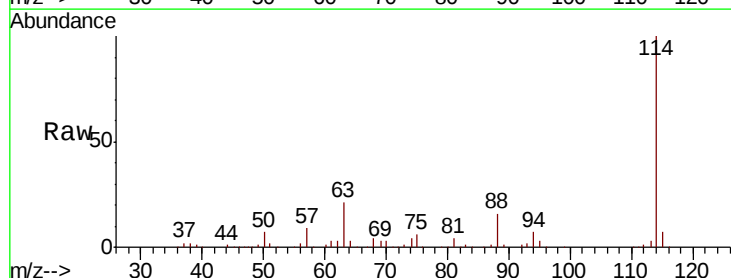
Tgt Ion: 114 Resp: 171462

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.4

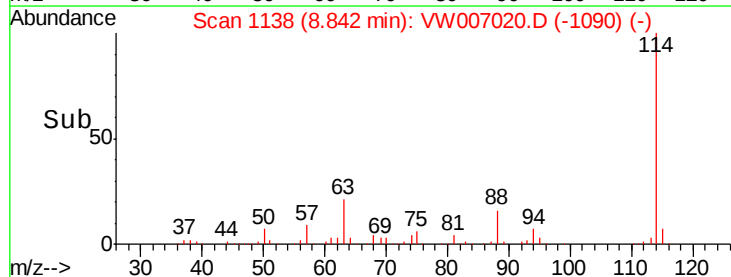
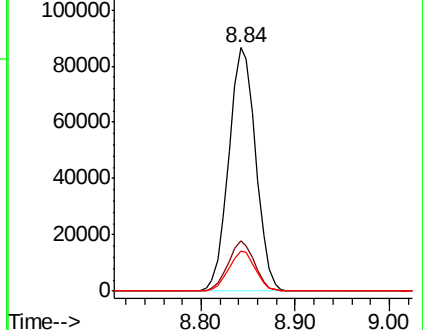
88 16.3 0.0 34.2

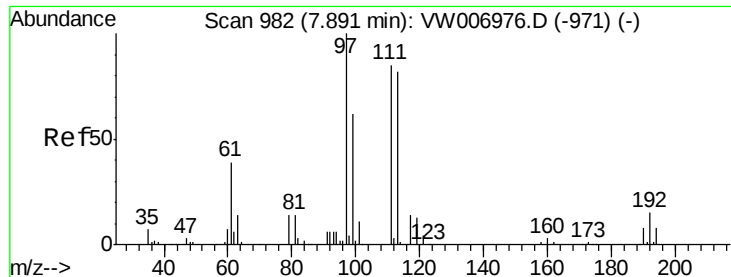


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

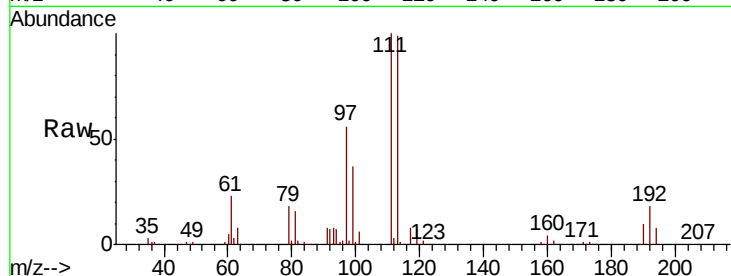




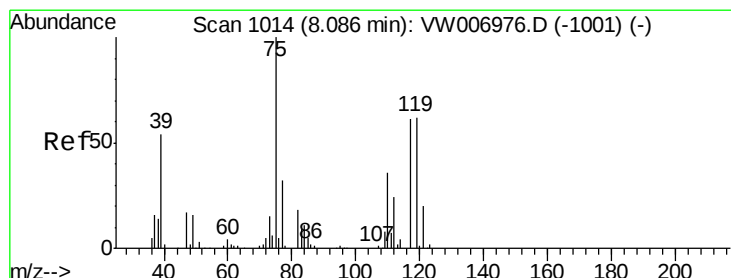
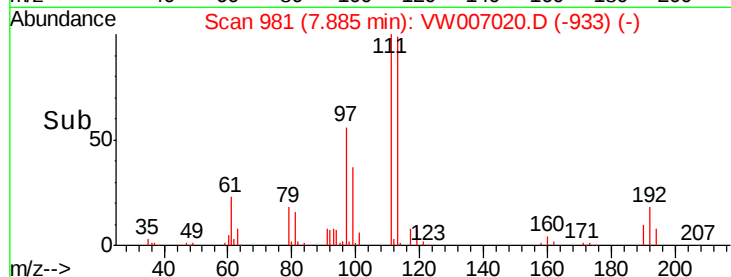
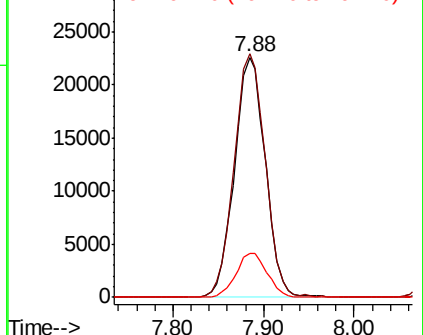
#35
Dibromofluoromethane
Concen: 55.120 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.01 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:113 Resp: 53372
Ion Ratio Lower Upper
113 100
111 102.1 81.0 121.6
192 18.5 15.0 22.6

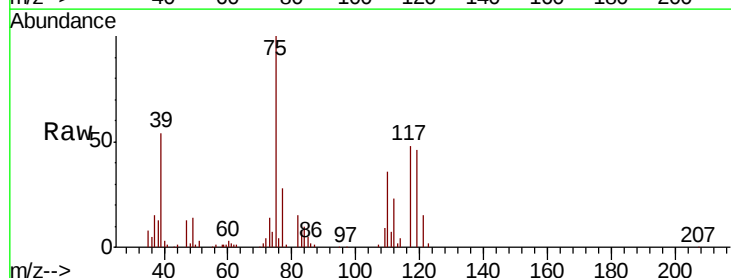


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

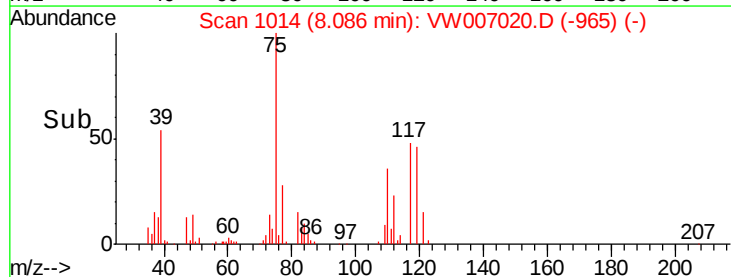
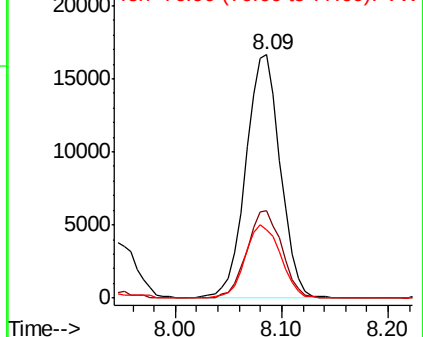


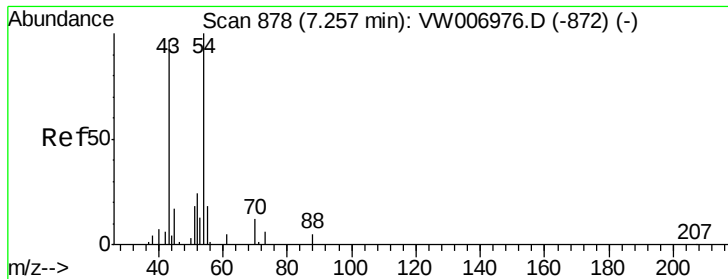
#36
1,1-Dichloropropene
Concen: 22.633 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Tgt Ion: 75 Resp: 37923
Ion Ratio Lower Upper
75 100
110 36.2 18.0 54.0
77 30.9 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

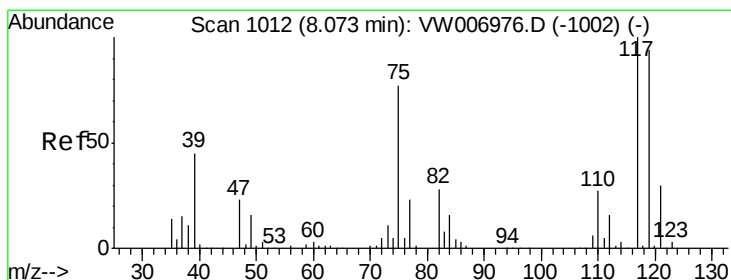
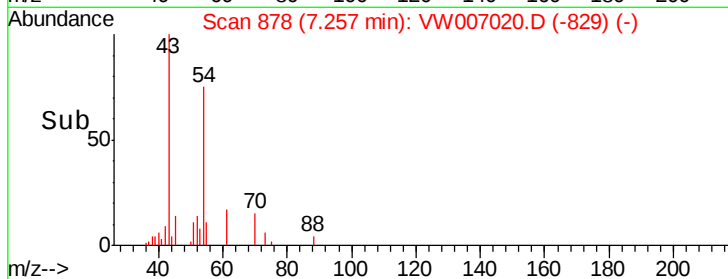
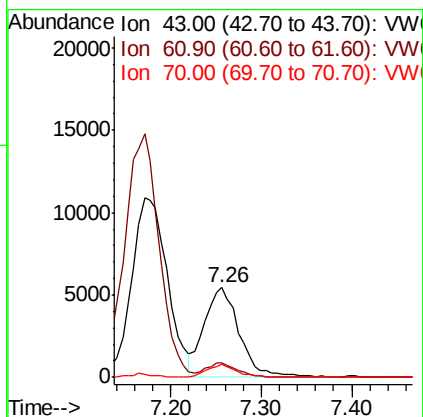
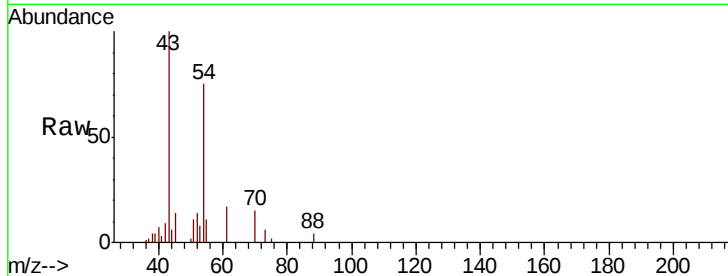




#37
Ethyl Acetate
Concen: 24.385 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

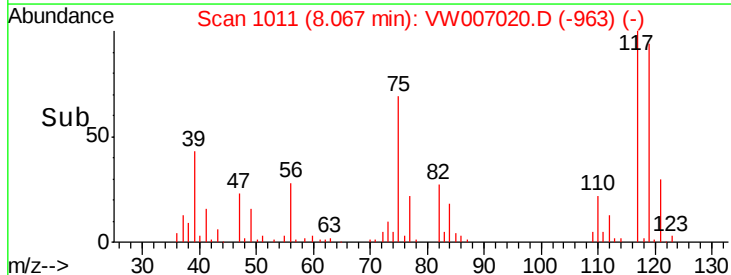
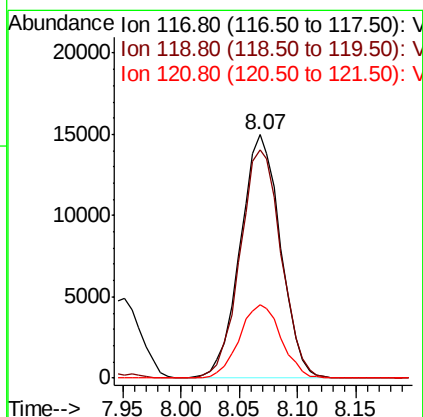
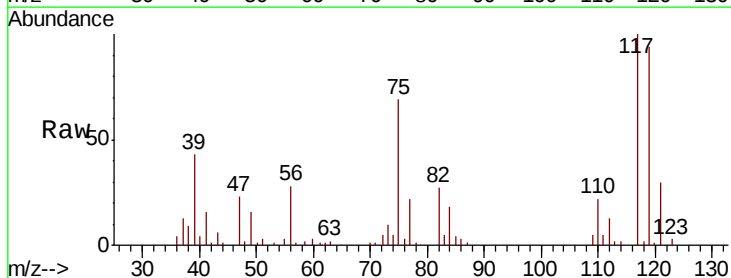
Instrument :
MSVOA_W
ClientSampleId :

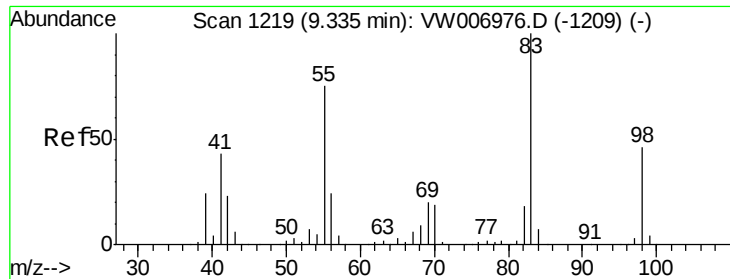
Tot Ion: 43 Resp: 14806
Ion Ratio Lower Upper
43 100
61 14.3 10.4 15.6
70 11.8 8.8 13.2



#38
Carbon Tetrachloride
Concen: 22.402 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Tgt Ion: 117 Resp: 35943
Ion Ratio Lower Upper
117 100
119 93.6 74.9 112.3
121 30.3 23.6 35.4

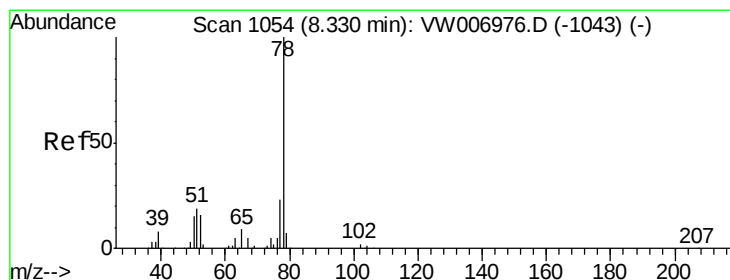
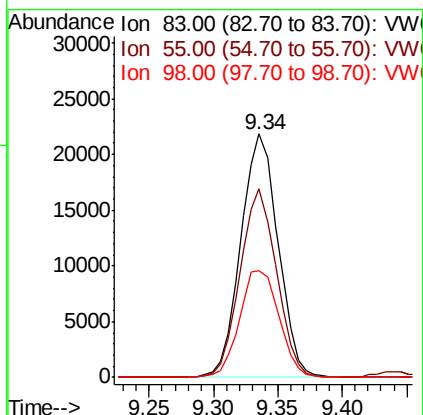
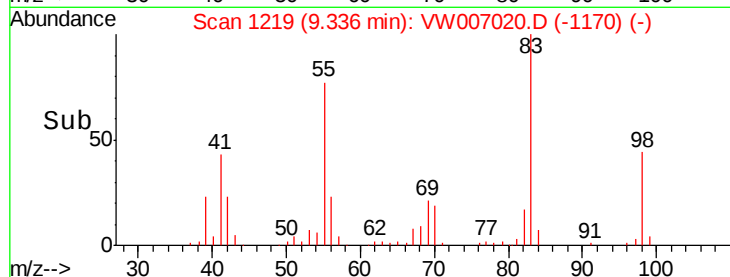
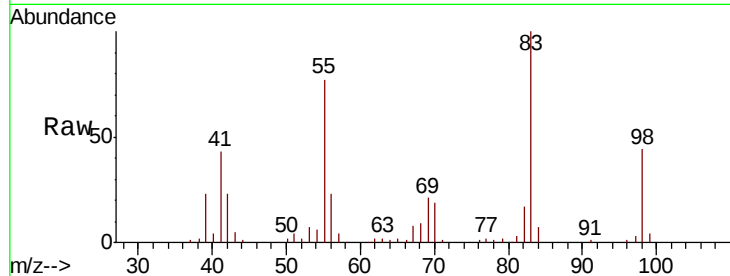




#39
Methvlcvclohexane
Concen: 20.836 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

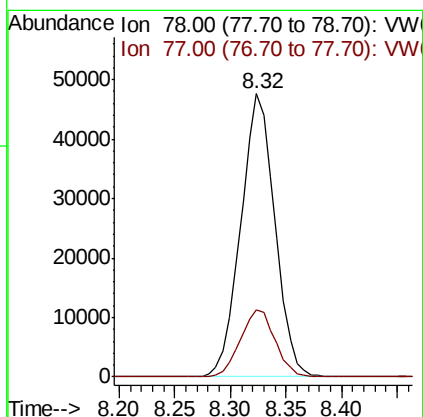
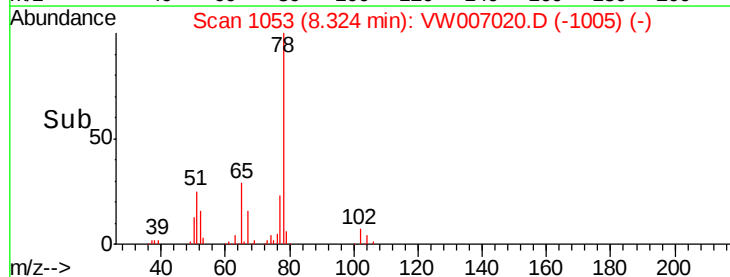
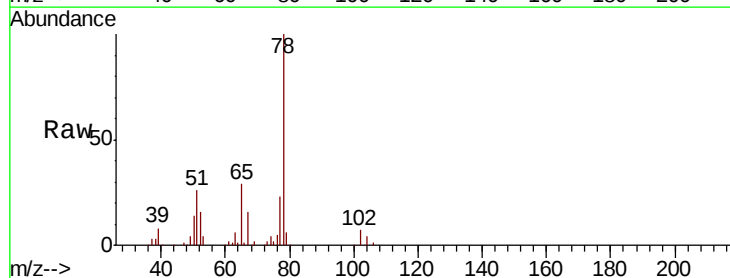
Instrument :
MSVOA_W
ClientSampled :

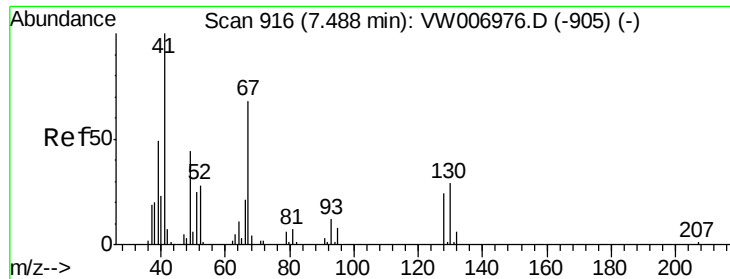
Tot Ion: 83 Resp: 43689
Ion Ratio Lower Upper
83 100
55 77.3 59.6 89.4
98 44.0 37.1 55.7



#40
Benzene
Concen: 22.412 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Tgt Ion: 78 Resp: 101366
Ion Ratio Lower Upper
78 100
77 23.5 18.6 28.0

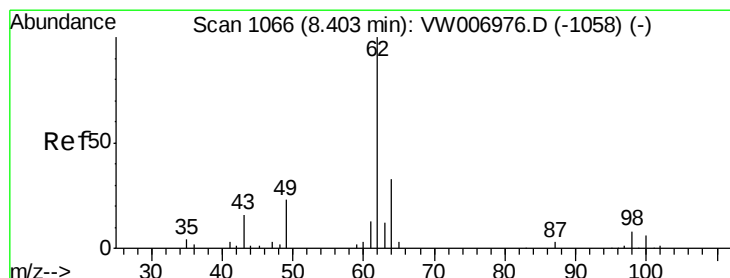
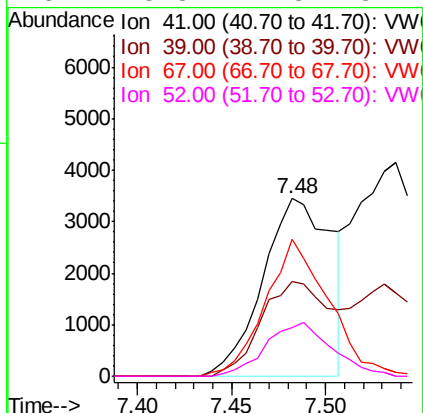
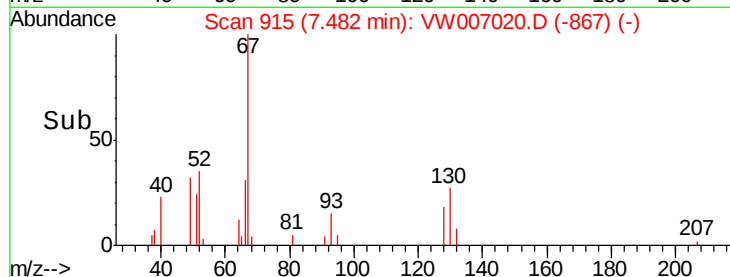
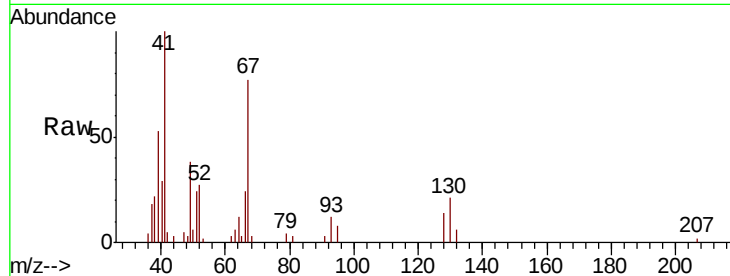




#41
Methacrylonitrile
Concen: 23.211 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

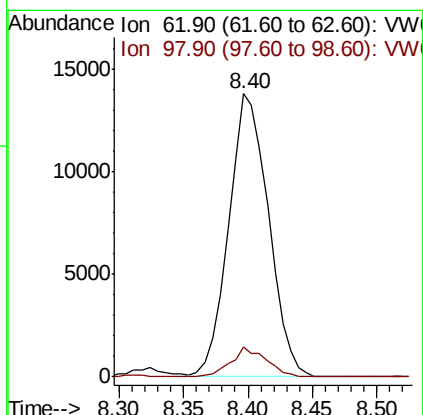
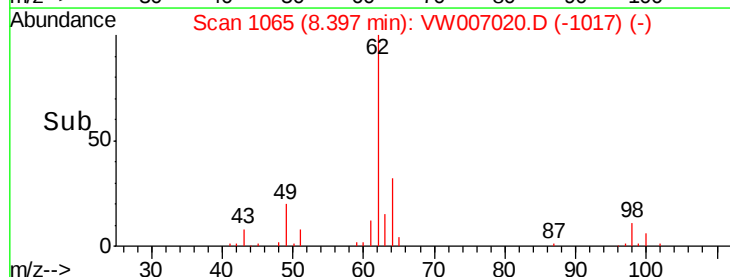
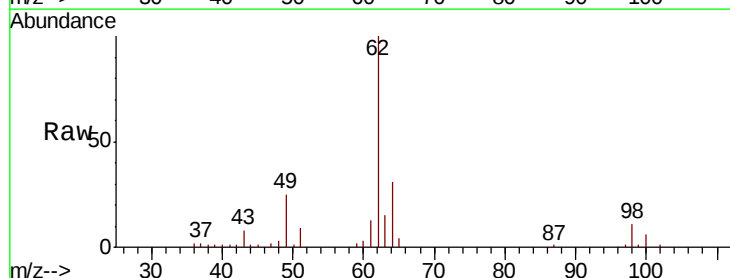
Instrument :
MSVOA_W
ClientSampled :

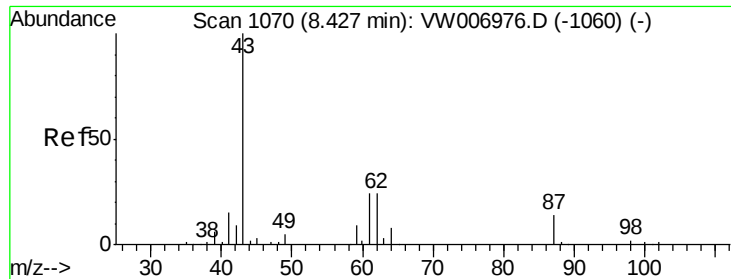
Tot Ion:	41	Resp:	8752
Ion	Ratio	Lower	Upper
41	100		
39	52.6	48.6	73.0
67	70.2	59.8	89.8
52	28.8	24.8	37.2



#42
1,2-Dichloroethane
Concen: 22.622 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Tgt Ion:	62	Resp:	29705
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.6





#43

Isopropyl Acetate

Concen: 23.202 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

Instrument :

MSVOA_W

ClientSampleId :

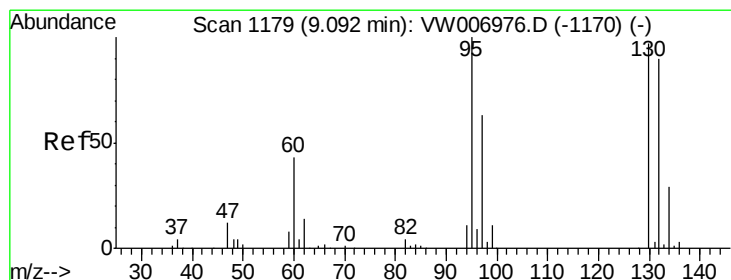
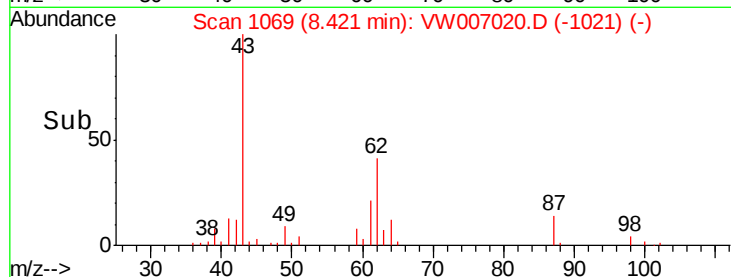
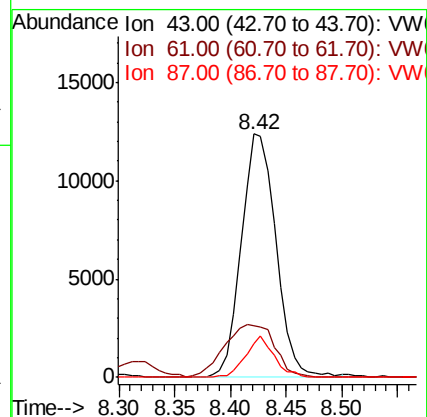
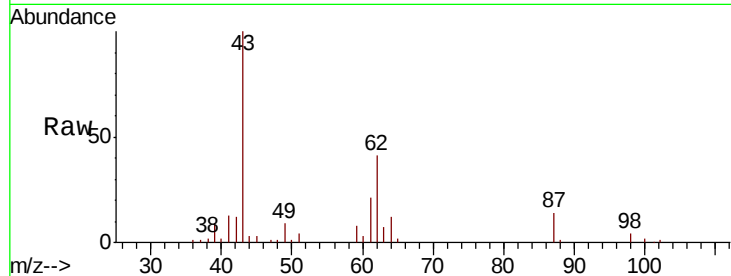
Tot Ion: 43 Resp: 26846

Ion Ratio Lower Upper

43 100

61 31.3 26.1 39.1

87 13.6 11.2 16.8



#44

Trichloroethene

Concen: 22.589 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007020.D

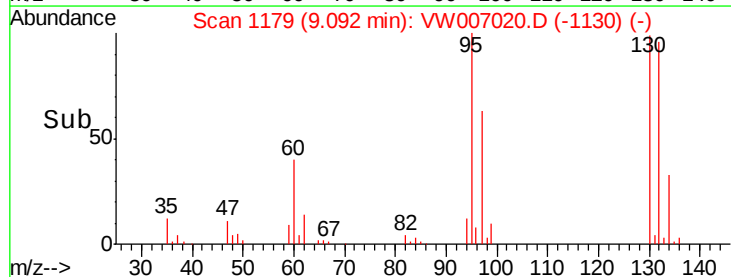
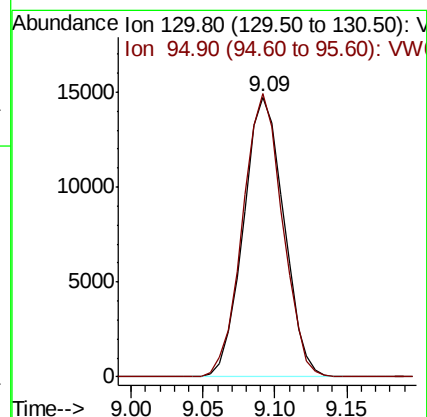
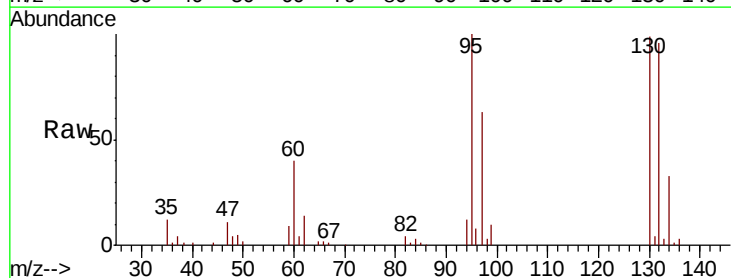
Acq: 22 Nov 2018 02:02

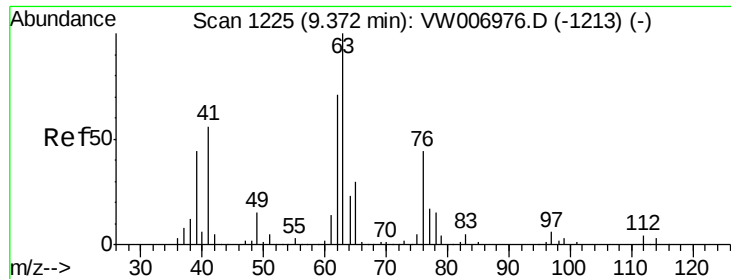
Tgt Ion: 130 Resp: 28640

Ion Ratio Lower Upper

130 100

95 101.1 0.0 206.4

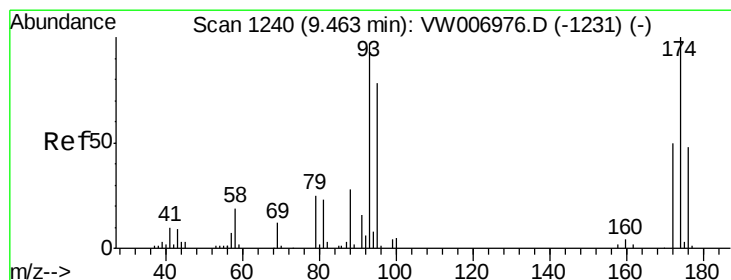
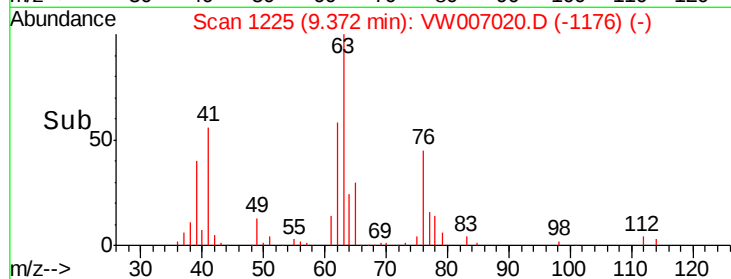
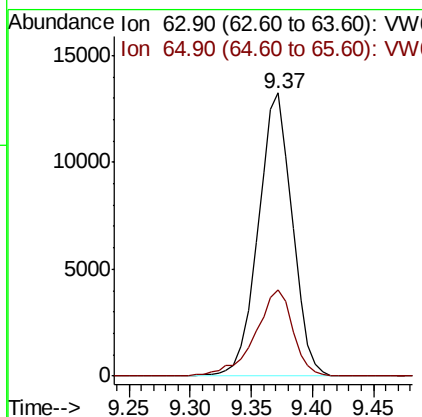
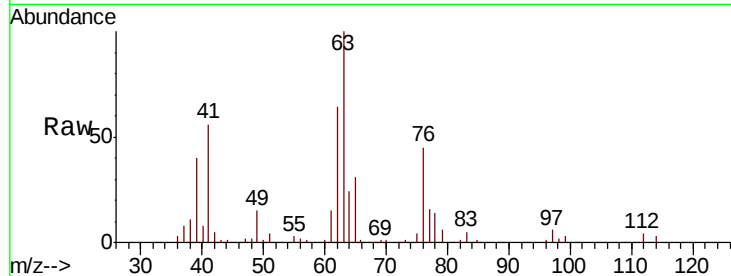




#45
 1,2-Dichloropropane
 Concen: 22.967 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW007020.D
 Acq: 22 Nov 2018 02:02

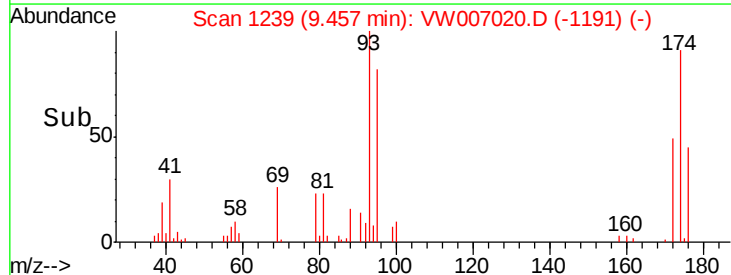
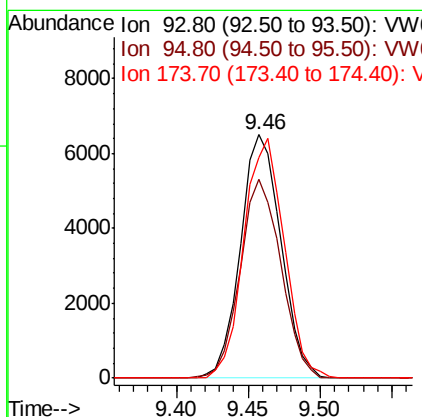
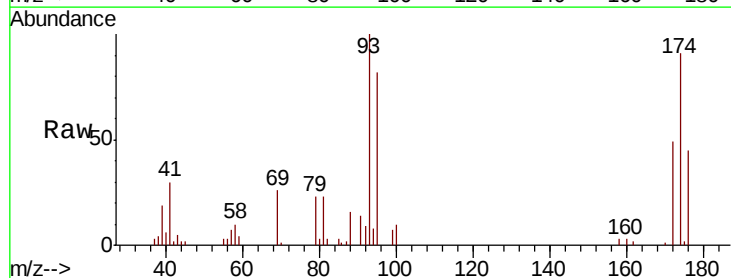
Instrument :
 MSVOA_W
 ClientSampled :

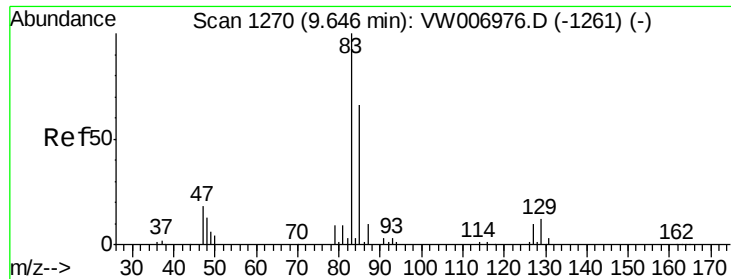
Tot Ion: 63 Resp: 25606
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.4 36.6



#46
 Dibromomethane
 Concen: 22.746 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW007020.D
 Acq: 22 Nov 2018 02:02

Tgt Ion: 93 Resp: 12700
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.1 99.1
 174 97.5 79.7 119.5

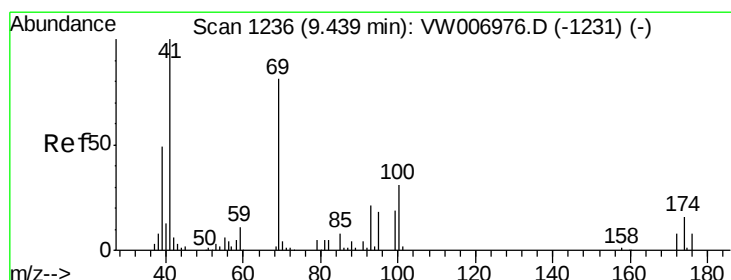
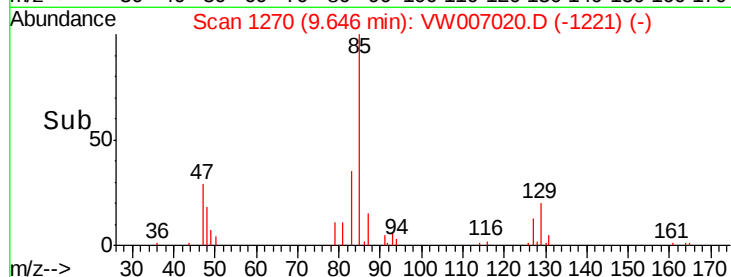
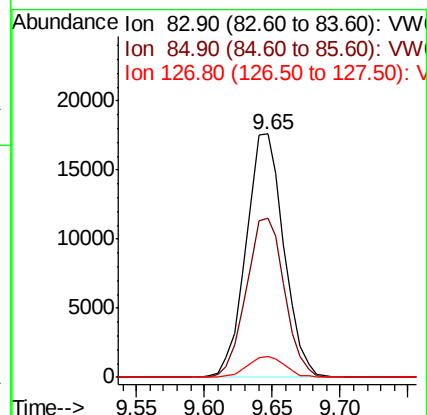
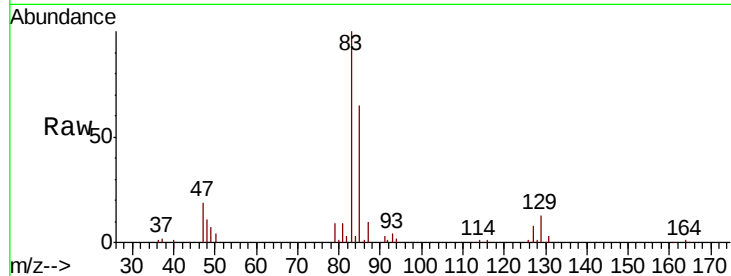




#47
Bromodichloromethane
Concen: 23.263 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

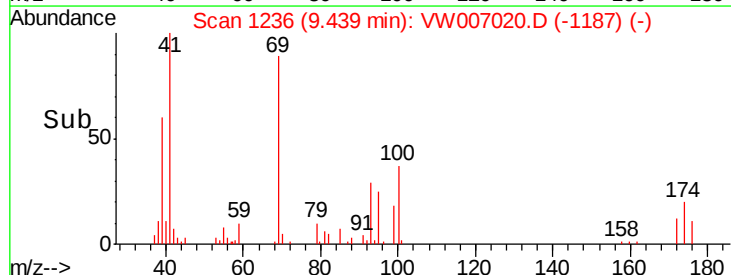
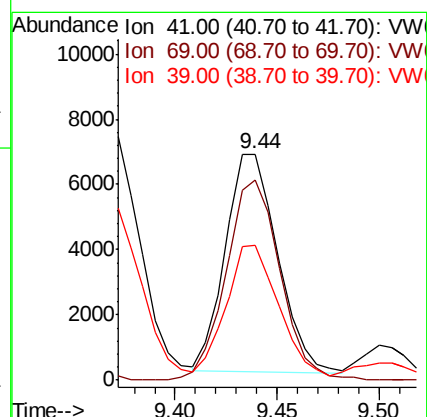
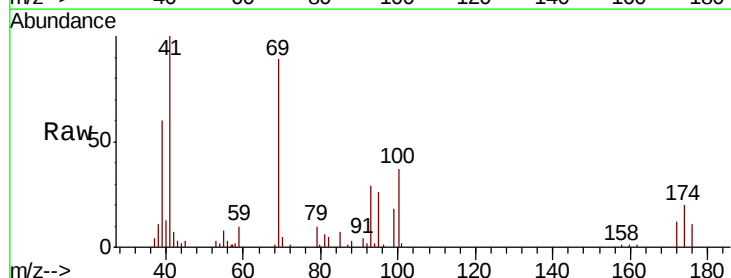
Instrument :
MSVOA_W
ClientSampleId :

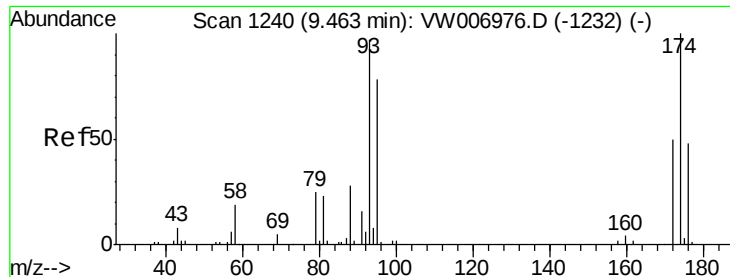
Tot Ion: 83 Resp: 34221
Ion Ratio Lower Upper
83 100
85 65.4 52.9 79.3
127 8.5 7.8 11.6



#48
Methyl methacrylate
Concen: 21.292 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Tgt Ion: 41 Resp: 11879
Ion Ratio Lower Upper
41 100
69 94.8 71.4 107.0
39 59.2 44.8 67.2

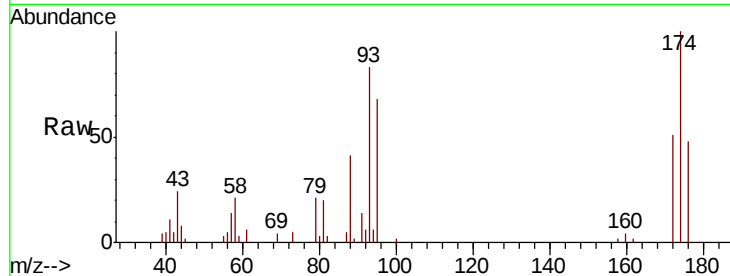




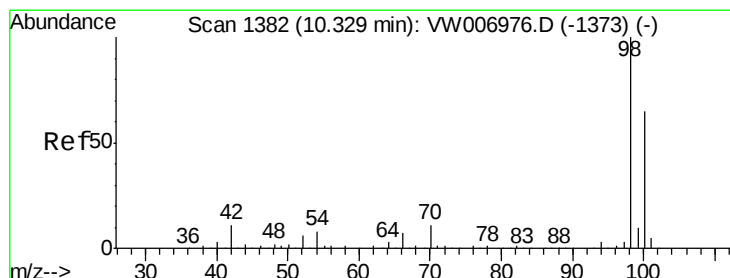
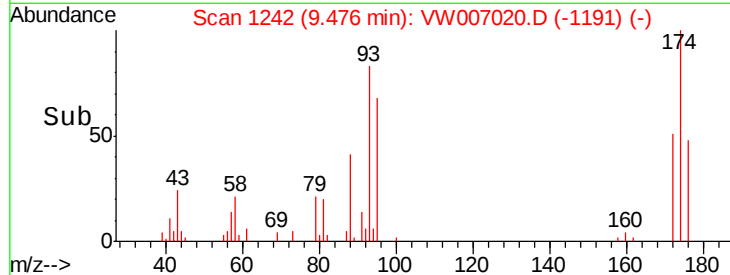
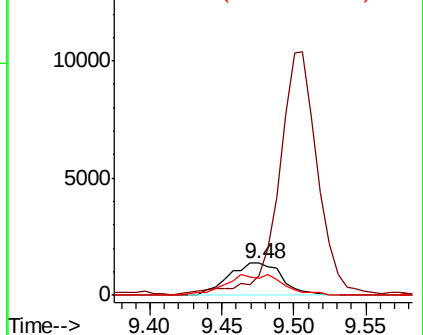
#49
1,4-Dioxane
Concen: 425.014 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 3527
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 68.5 59.0 88.6

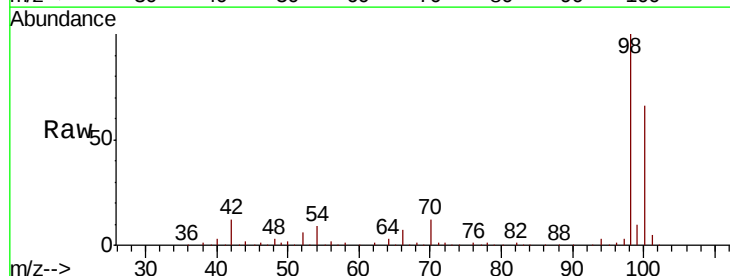


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

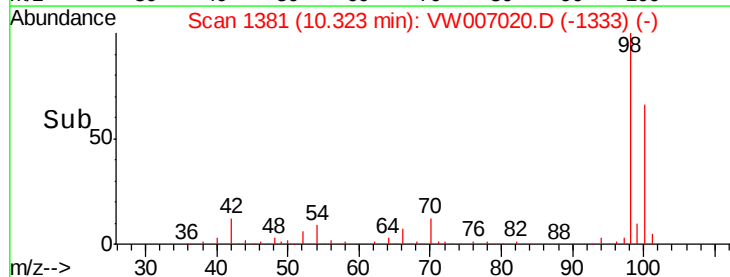
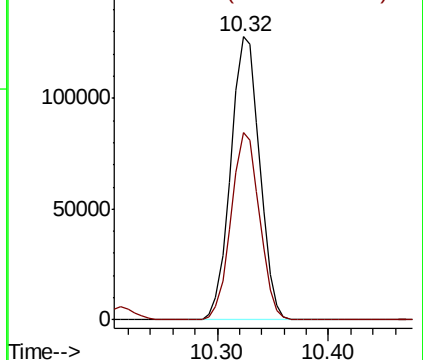


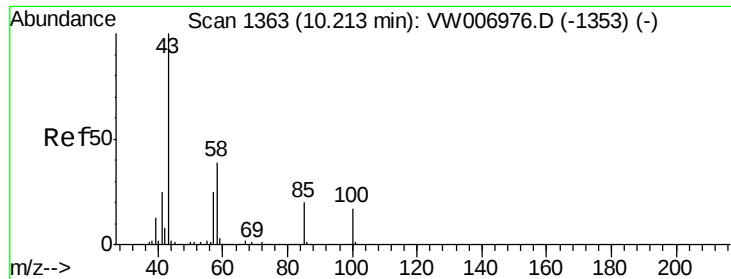
#50
Toluene-d8
Concen: 53.693 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Tgt Ion: 98 Resp: 229583
Ion Ratio Lower Upper
98 100
100 65.2 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: 111.181 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

Instrument :

MSVOA_W

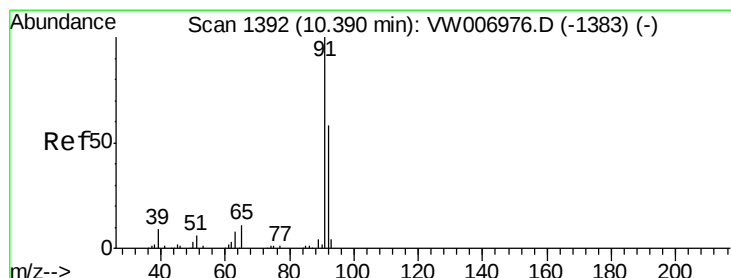
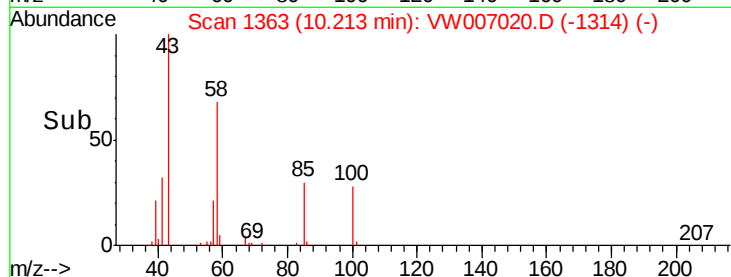
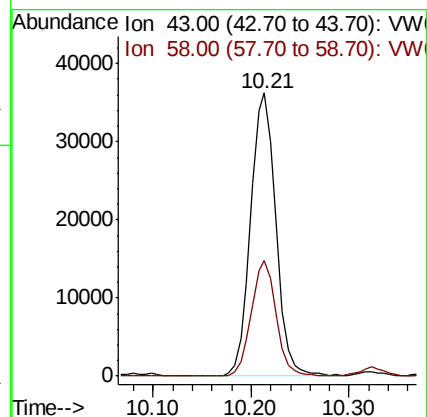
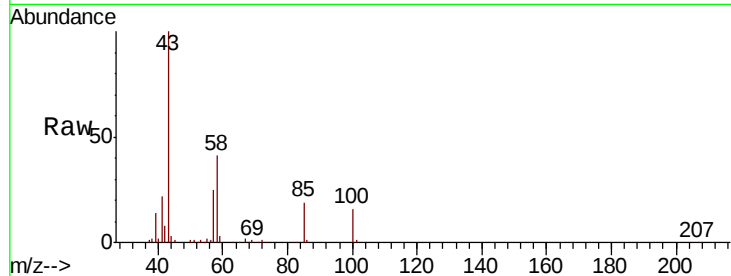
ClientSampleId :

Tot Ion: 43 Resp: 65011

Ion Ratio Lower Upper

43 100

58 40.0 31.8 47.6



#52

Toluene

Concen: 21.672 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007020.D

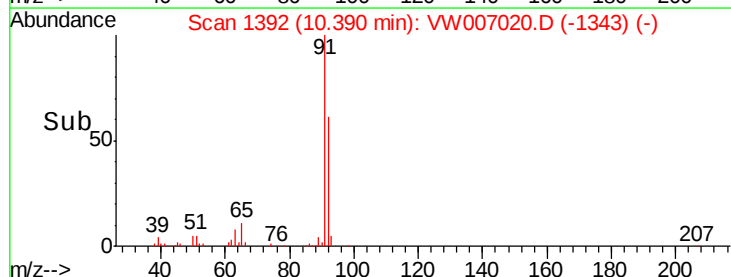
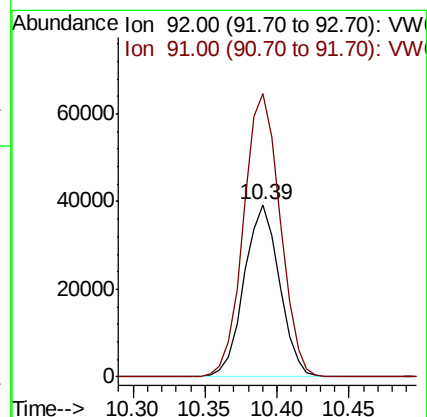
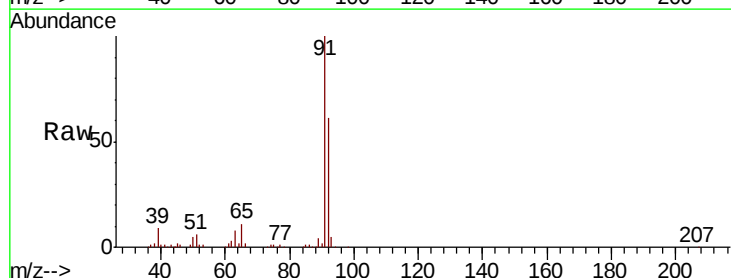
Acq: 22 Nov 2018 02:02

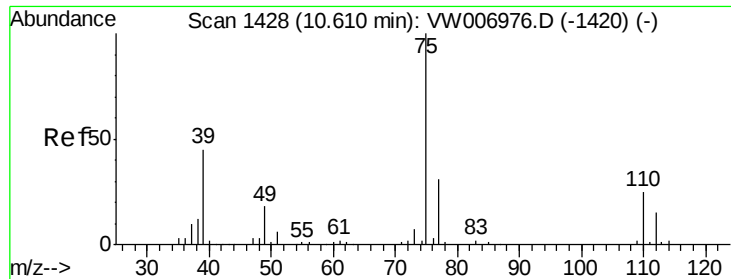
Tgt Ion: 92 Resp: 66706

Ion Ratio Lower Upper

92 100

91 170.2 137.3 205.9





#53

t-1,3-Dichloropropene

Concen: 22.190 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

Instrument :

MSVOA_W

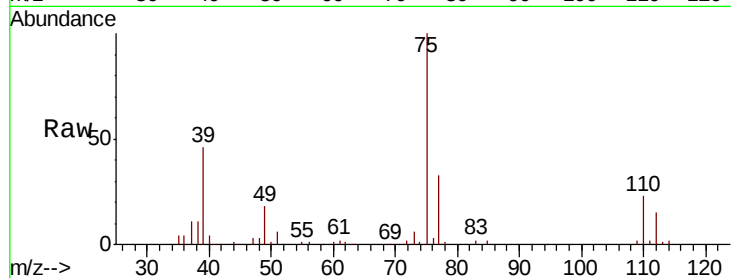
ClientSampled :

Tot Ion: 75 Resp: 31621

Ion Ratio Lower Upper

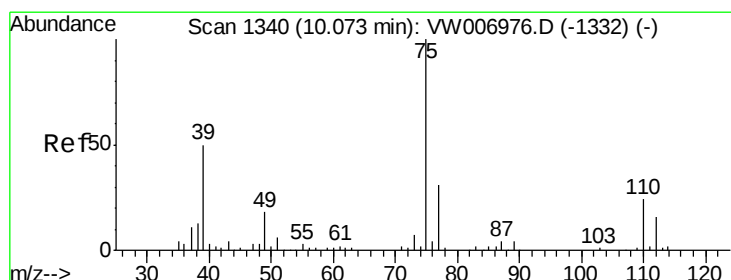
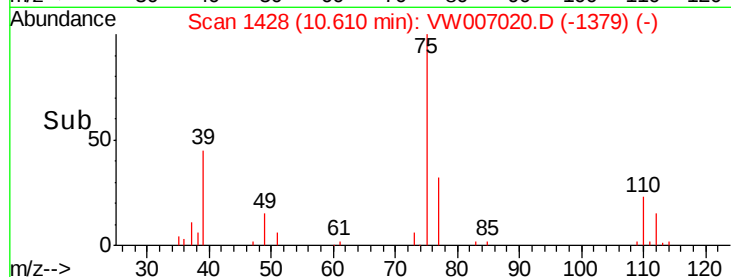
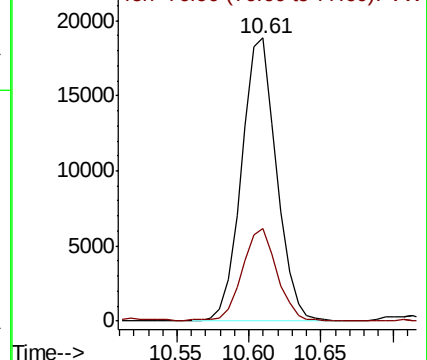
75 100

77 32.7 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 22.162 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

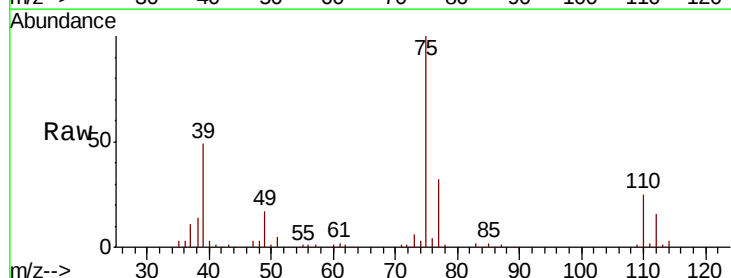
Tgt Ion: 75 Resp: 38155

Ion Ratio Lower Upper

75 100

77 32.4 25.0 37.6

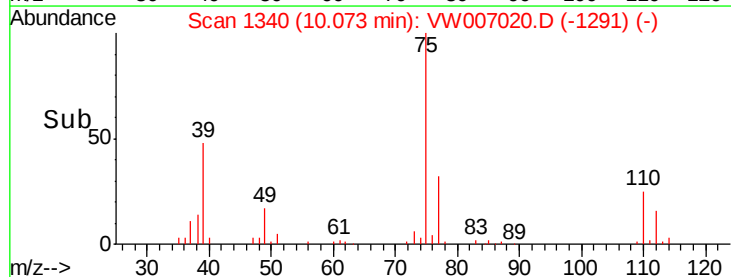
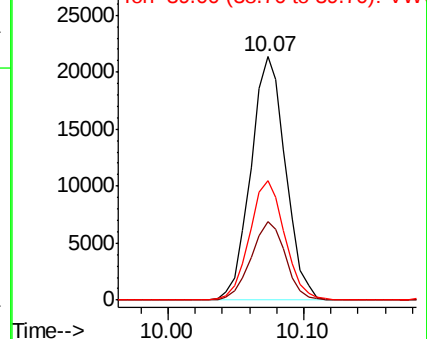
39 49.0 39.9 59.9

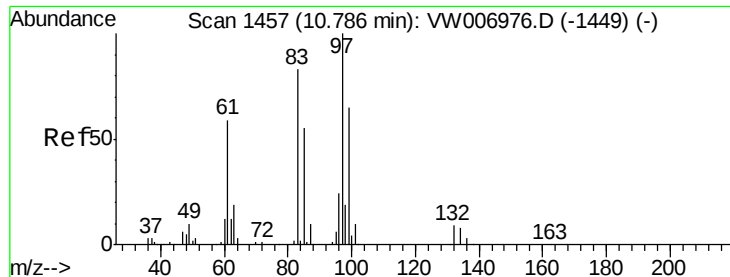


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 22.723 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 18666

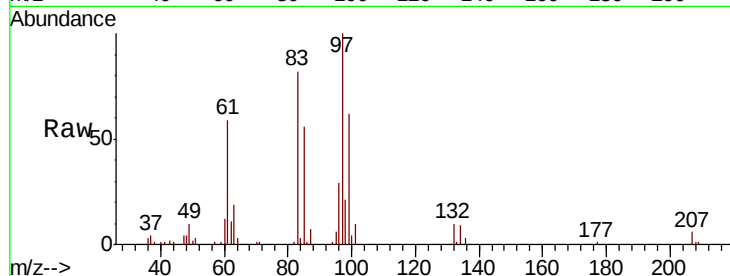
Ion Ratio Lower Upper

97 100

83 82.1 66.4 99.6

85 56.4 44.1 66.1

99 61.9 51.7 77.5



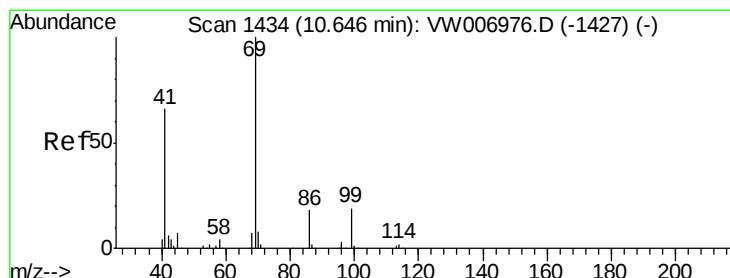
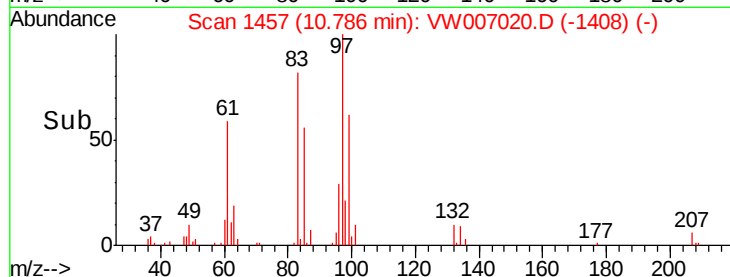
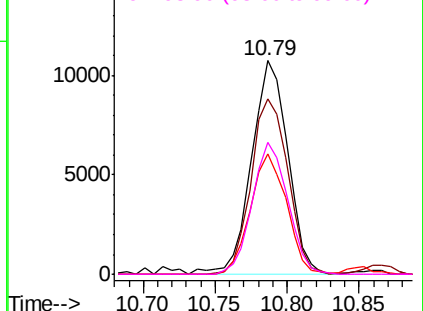
Abundance

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: 22.318 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

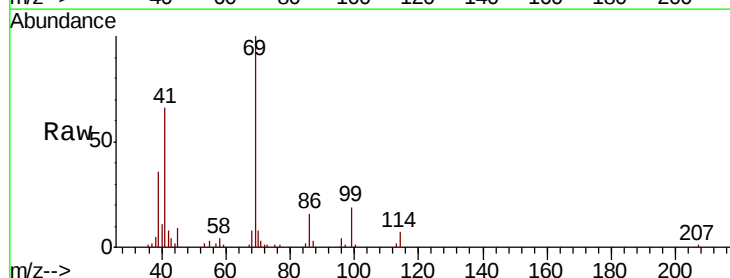
Tgt Ion: 69 Resp: 21281

Ion Ratio Lower Upper

69 100

41 65.7 53.4 80.0

39 35.5 28.2 42.4

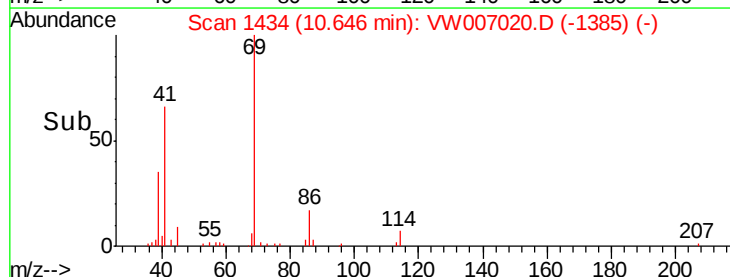
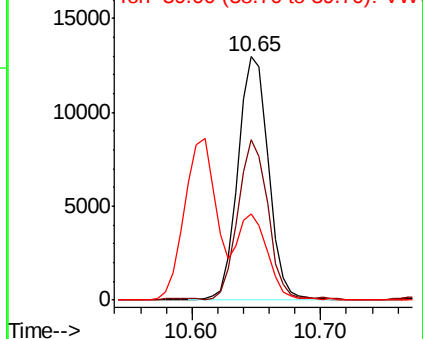


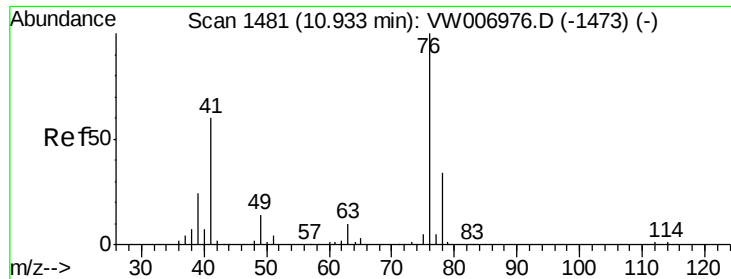
Abundance

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

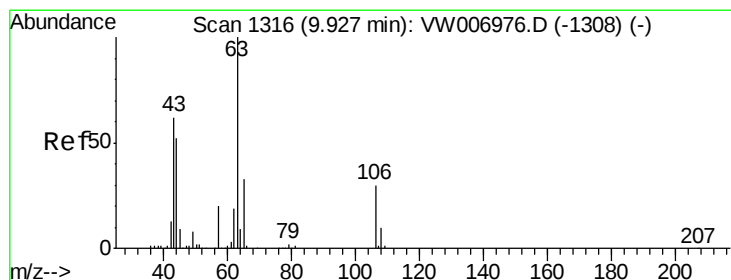
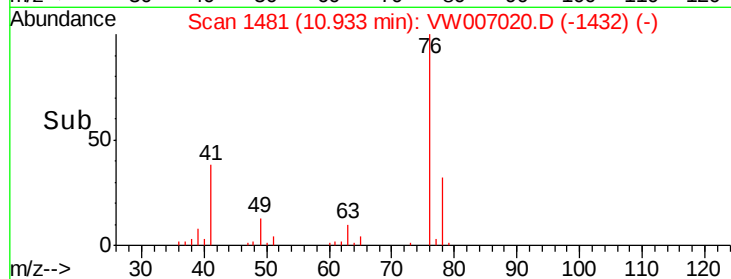
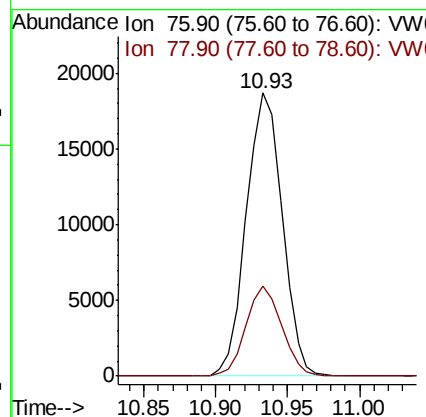
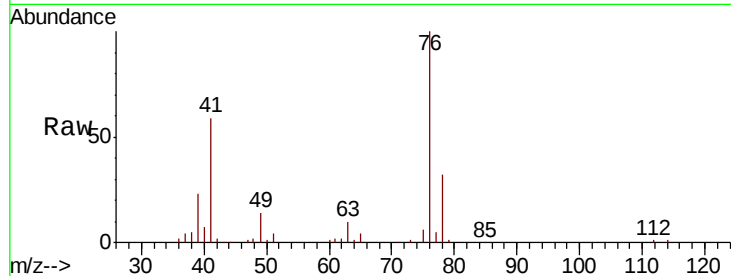




#57
 1,3-Dichloropropane
 Concen: 23.477 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007020.D
 Acq: 22 Nov 2018 02:02

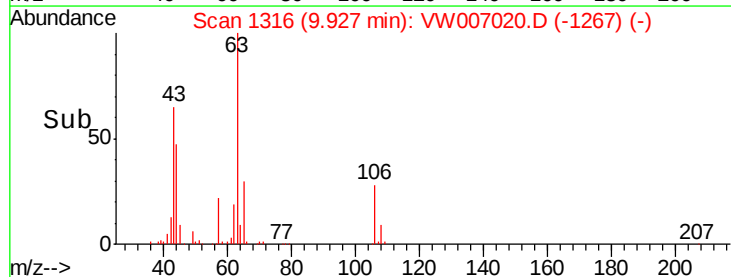
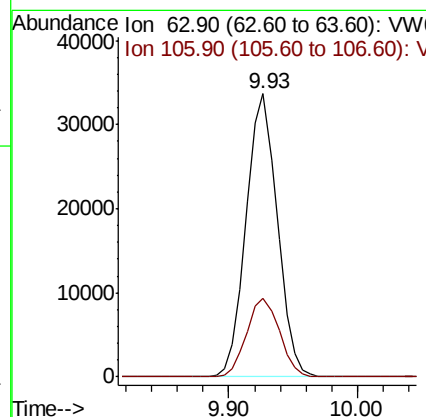
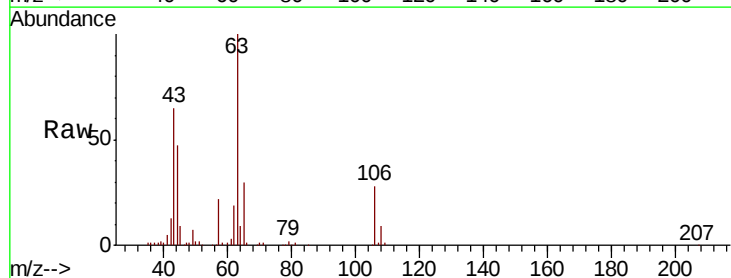
Instrument :
 MSVOA_W
 ClientSampled :

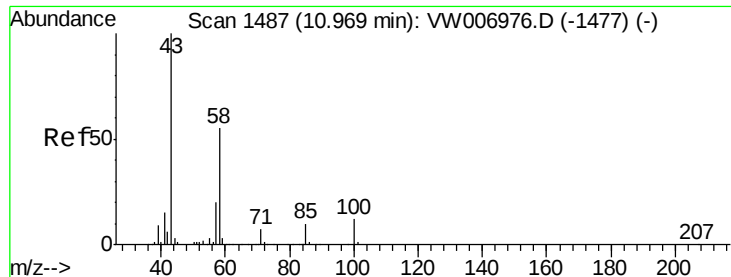
Tot Ion: 76 Resp: 32319
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.172 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007020.D
 Acq: 22 Nov 2018 02:02

Tgt Ion: 63 Resp: 56390
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.5 35.3

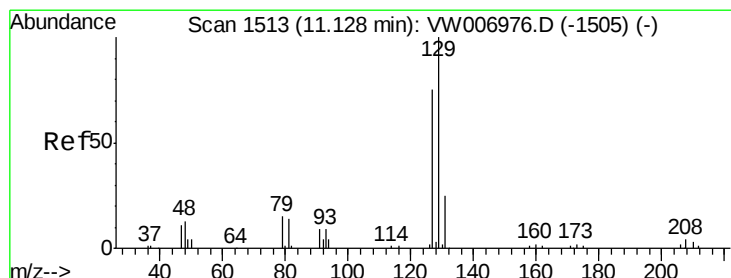
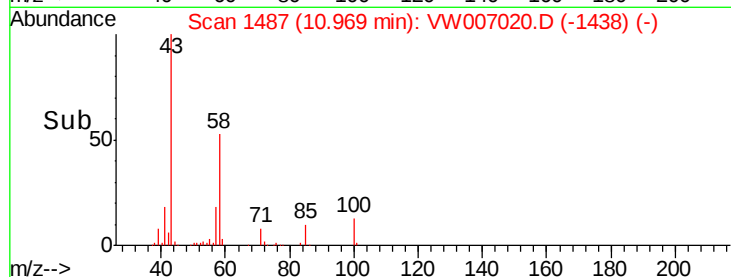
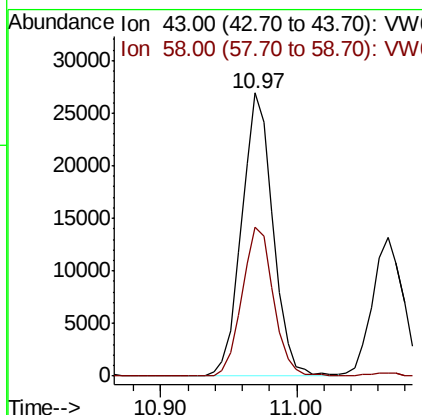
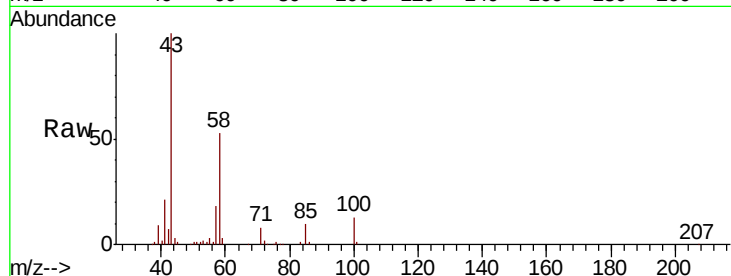




#59
2-Hexanone
Concen: 107.845 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

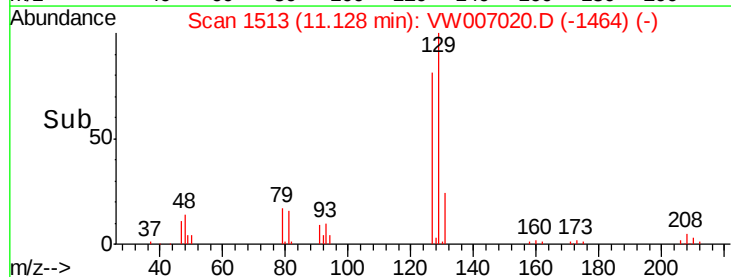
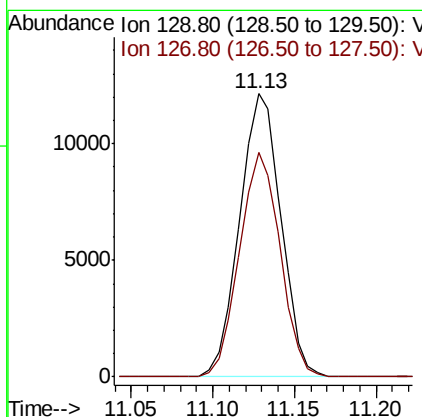
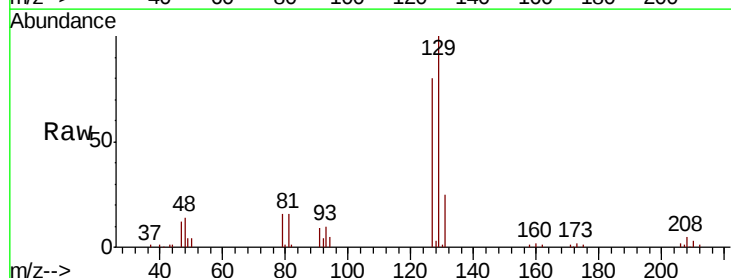
Instrument :
MSVOA_W
ClientSampled :

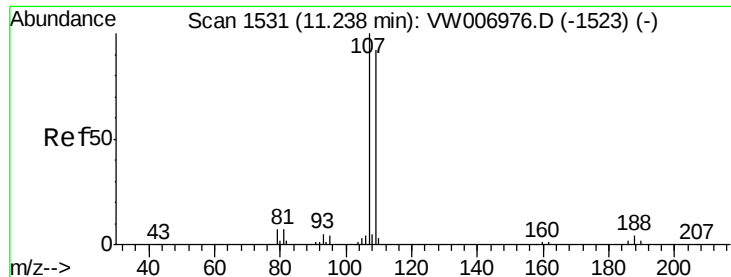
Tot Ion: 43 Resp: 43183
Ion Ratio Lower Upper
43 100
58 53.0 27.3 81.8



#60
Dibromochloromethane
Concen: 22.919 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Tgt Ion: 129 Resp: 21453
Ion Ratio Lower Upper
129 100
127 78.0 38.3 114.8

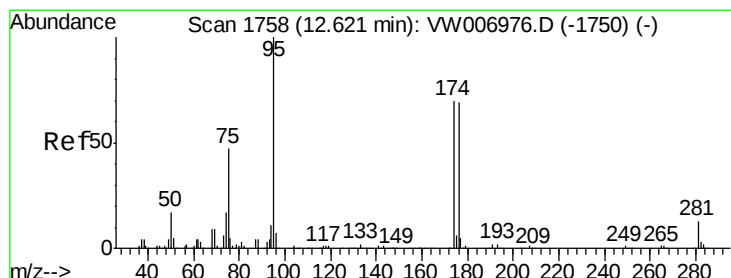
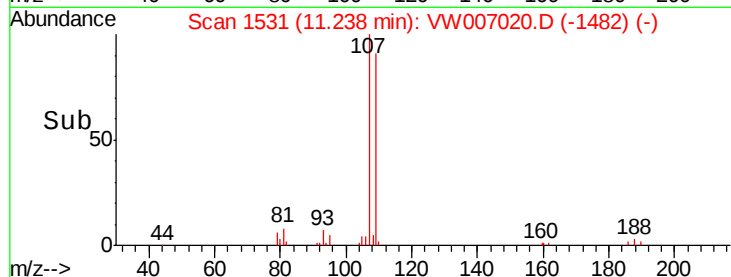
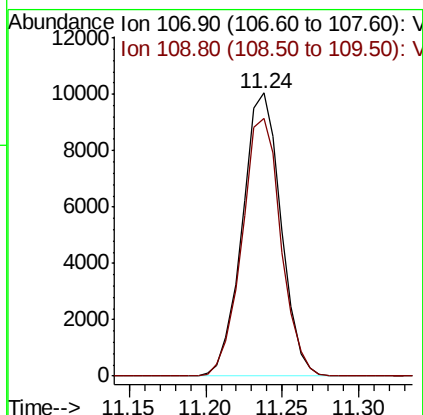
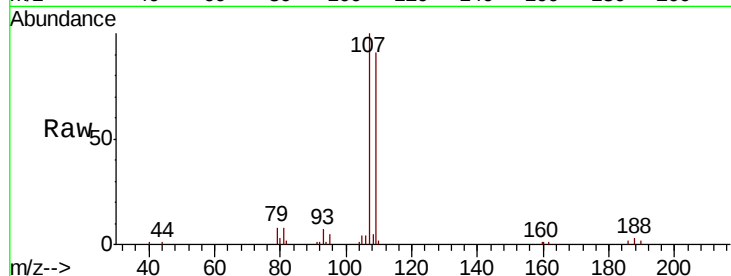




#61
 1,2-Dibromoethane
 Concen: 23.436 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007020.D
 Acq: 22 Nov 2018 02:02

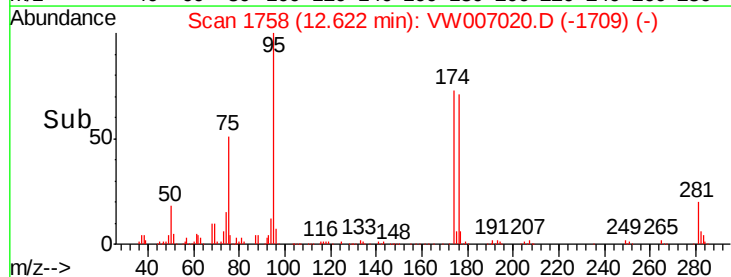
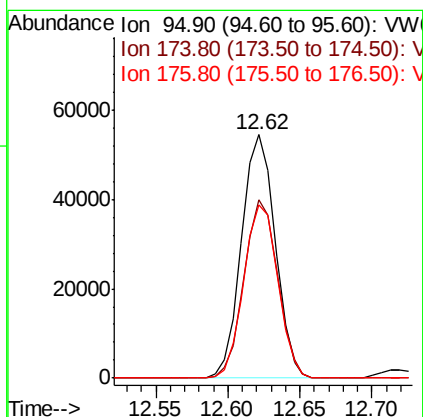
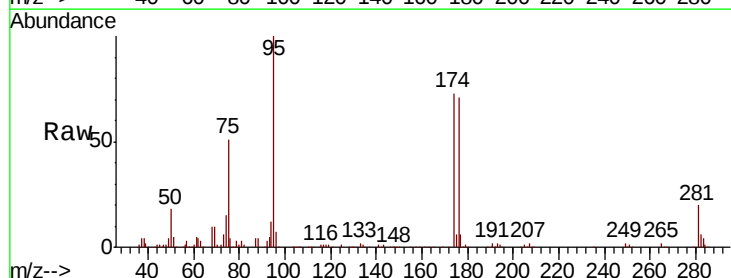
Instrument :
 MSVOA_W
 ClientSampled :

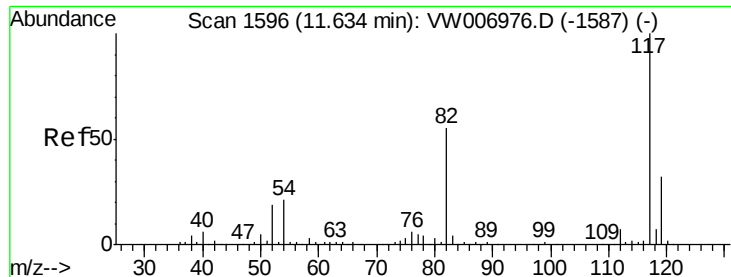
Tot Ion:107 Resp: 17611
 Ion Ratio Lower Upper
 107 100
 109 91.8 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 52.631 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007020.D
 Acq: 22 Nov 2018 02:02

Tgt Ion: 95 Resp: 88557
 Ion Ratio Lower Upper
 95 100
 174 73.1 0.0 143.6
 176 71.7 0.0 140.4

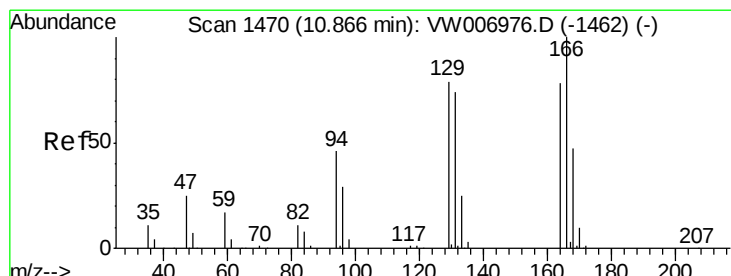
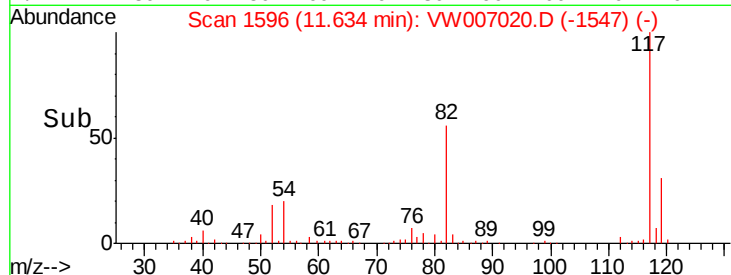
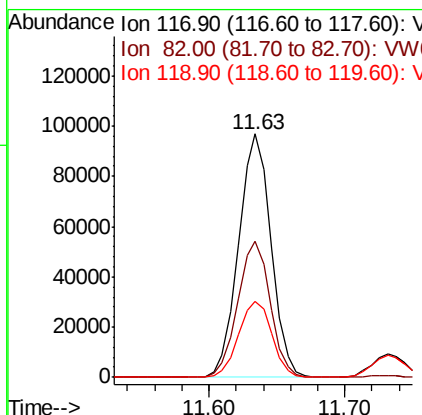
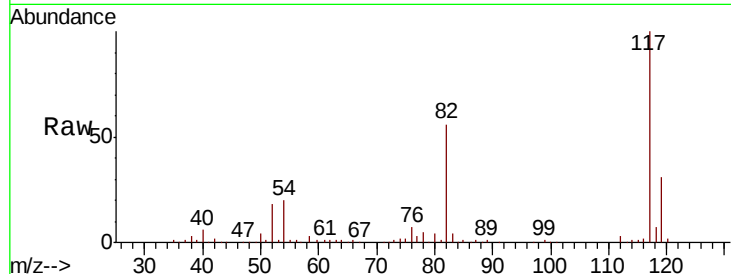




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

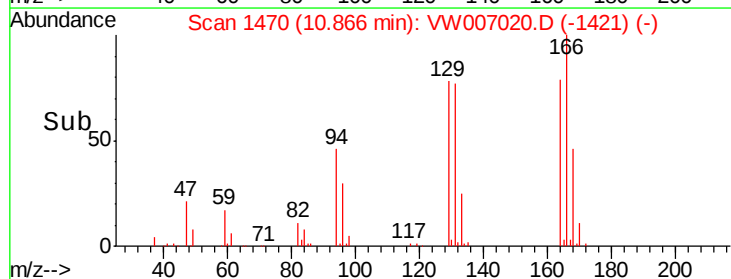
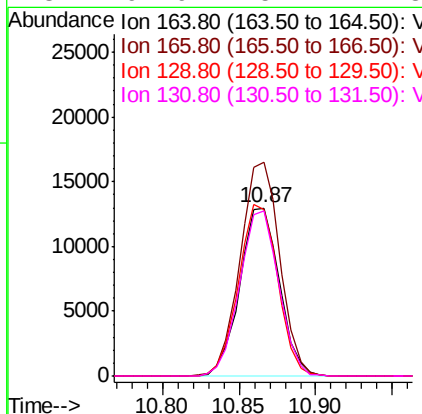
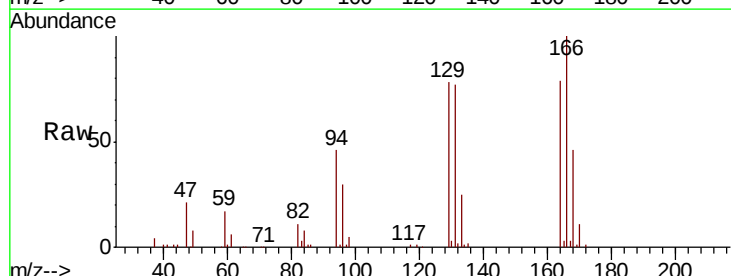
Instrument :
MSVOA_W
ClientSampleId :

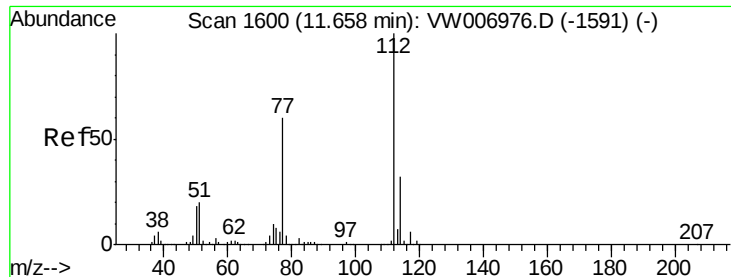
Tot Ion:117 Resp: 160812
Ion Ratio Lower Upper
117 100
82 55.8 44.2 66.2
119 31.4 25.9 38.9



#64
Tetrachloroethene
Concen: 22.552 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Tgt Ion:164 Resp: 23331
Ion Ratio Lower Upper
164 100
166 127.0 102.1 153.1
129 98.6 80.4 120.6
131 97.9 75.2 112.8

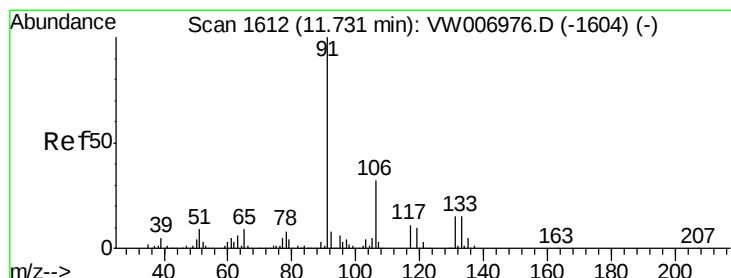
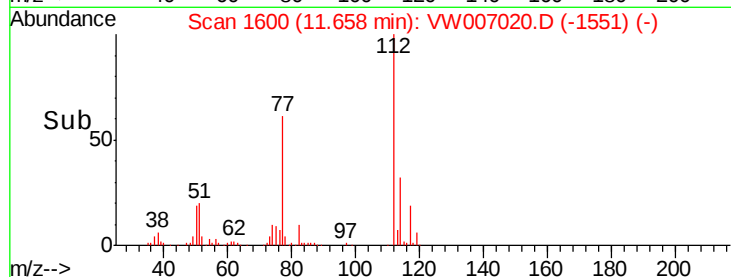
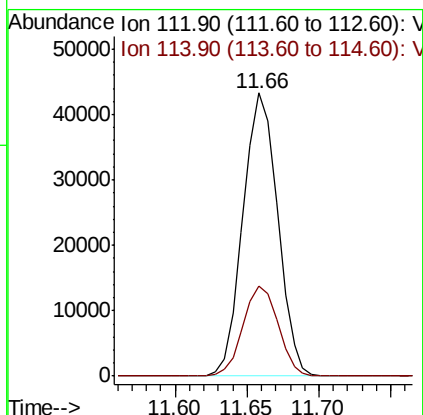
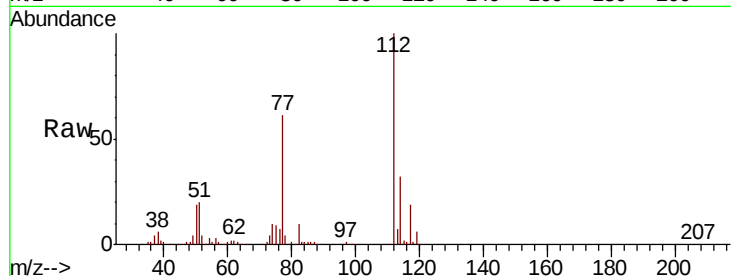




#65
Chlorobenzene
Concen: 21.598 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

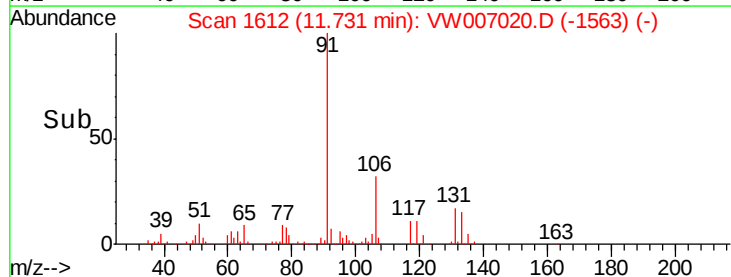
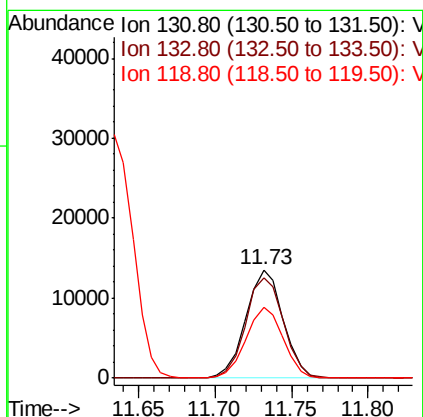
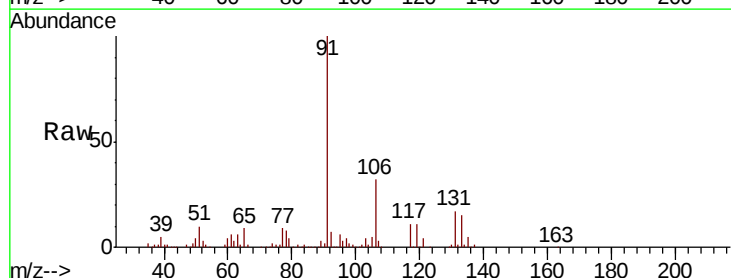
Instrument :
MSVOA_W
ClientSampleId :

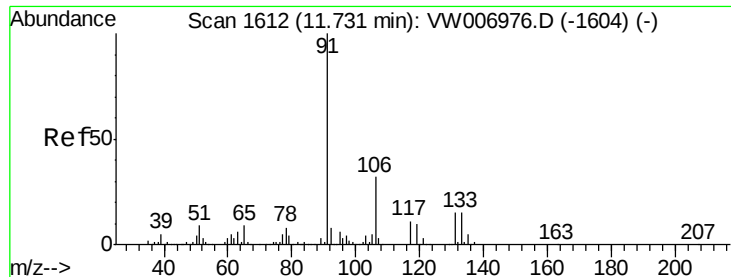
Tot Ion:112 Resp: 72492
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.592 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Tgt Ion:131 Resp: 22938
Ion Ratio Lower Upper
131 100
133 93.7 47.7 143.1
119 65.2 31.8 95.3

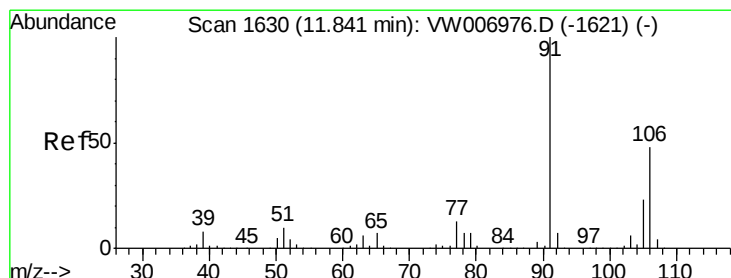
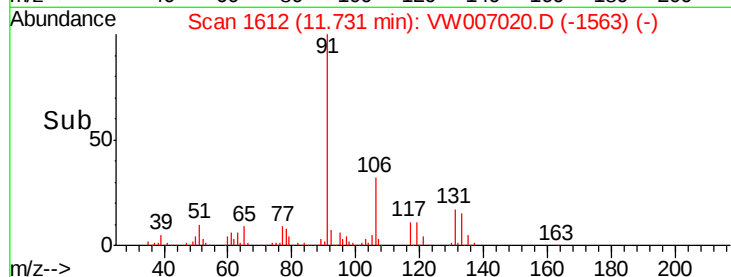
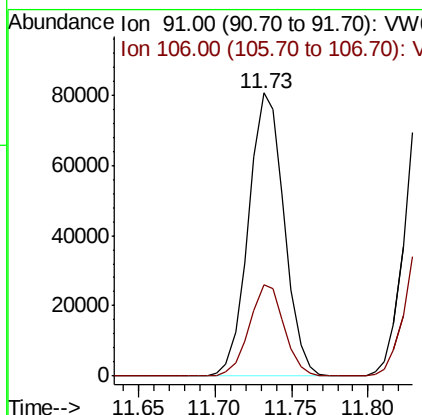
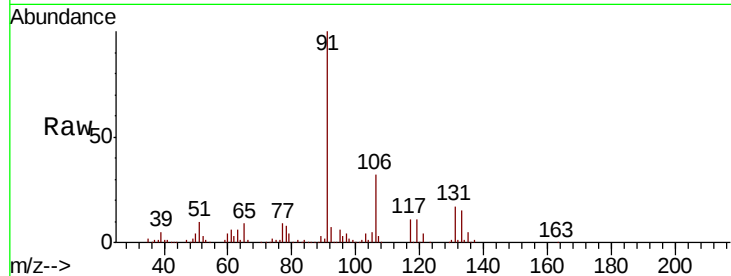




#67
Ethyl Benzene
Concen: 21.165 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

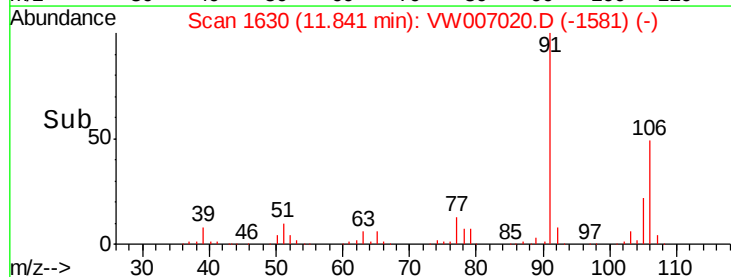
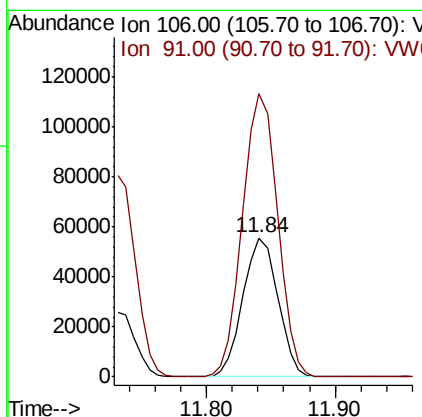
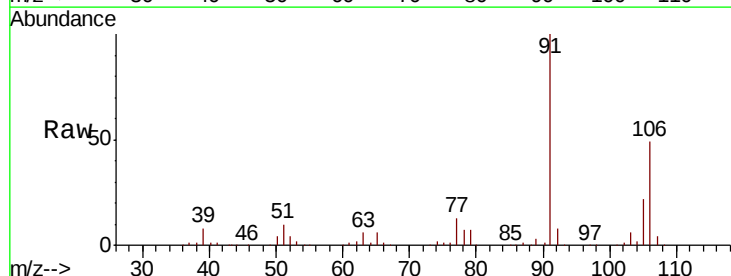
Instrument :
MSVOA_W
ClientSampleId :

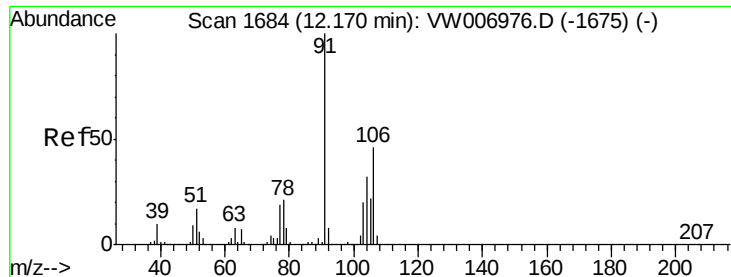
Tot Ion: 91 Resp: 130500
Ion Ratio Lower Upper
91 100
106 32.1 25.4 38.2



#68
m/p-Xylenes
Concen: 43.231 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Tgt Ion: 106 Resp: 104579
Ion Ratio Lower Upper
106 100
91 205.1 164.8 247.2

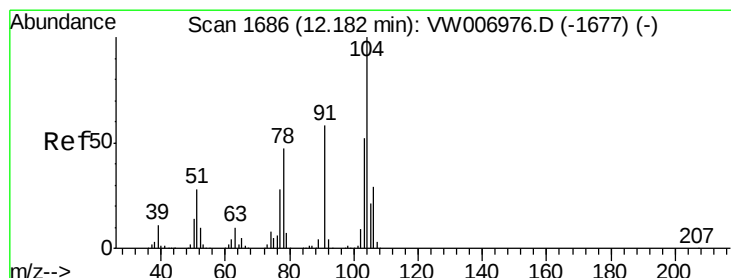
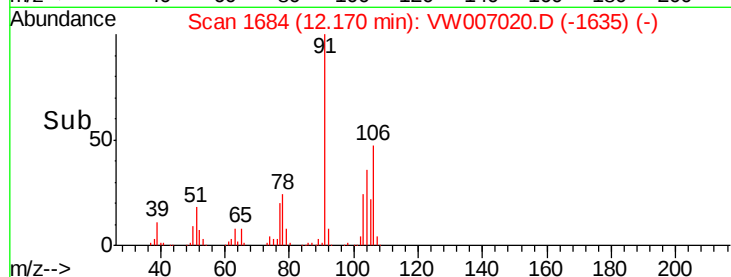
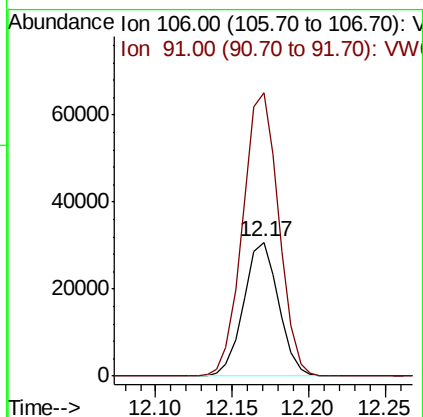
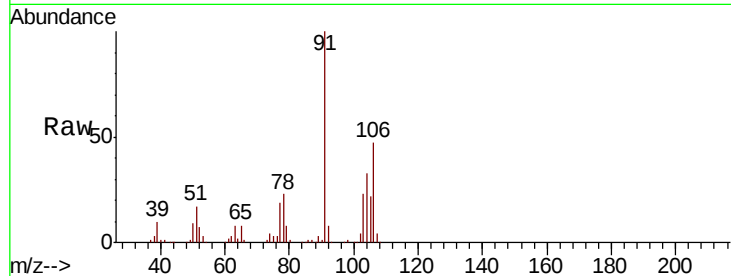




#69
o-Xylene
Concen: 21.421 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

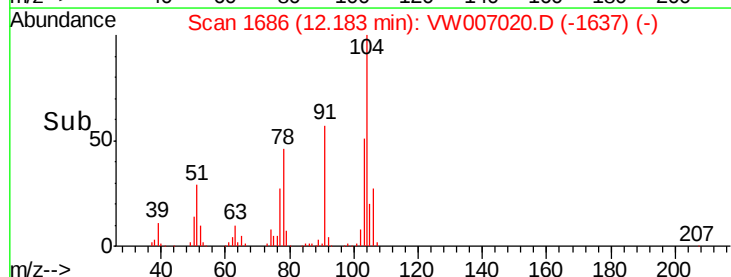
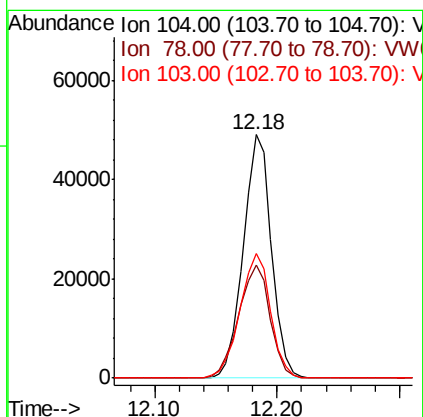
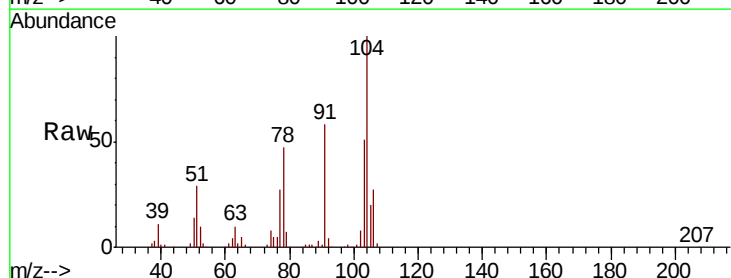
Instrument :
MSVOA_W
ClientSampled :

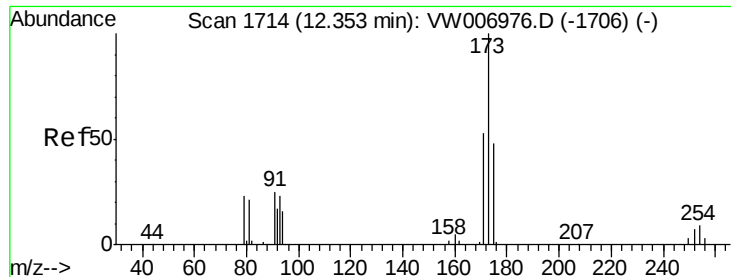
Tot Ion:106 Resp: 48861
Ion Ratio Lower Upper
106 100
91 218.1 107.9 323.8



#70
Styrene
Concen: 21.528 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Tgt Ion:104 Resp: 78154
Ion Ratio Lower Upper
104 100
78 52.0 41.8 62.8
103 55.6 44.4 66.6





#71

Bromoform

Concen: 23.054 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

Instrument :

MSVOA_W

ClientSampled :

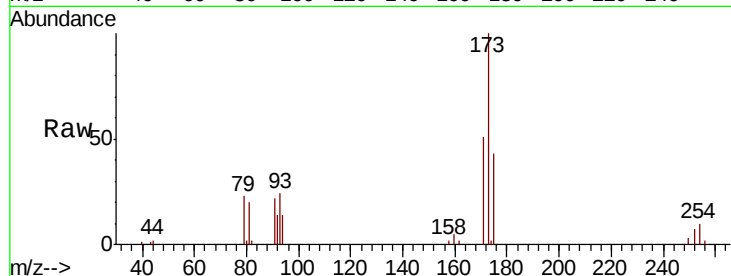
Tot Ion:173 Resp: 11027

Ion Ratio Lower Upper

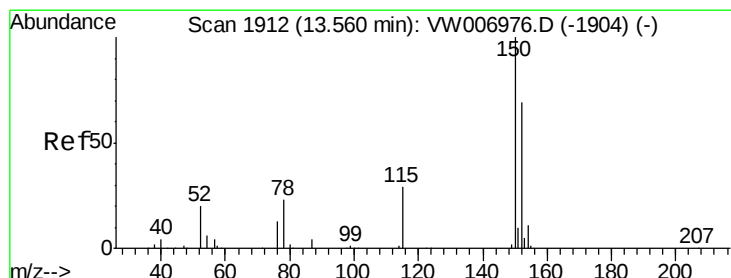
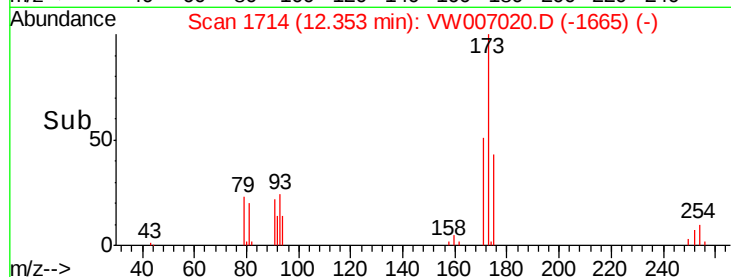
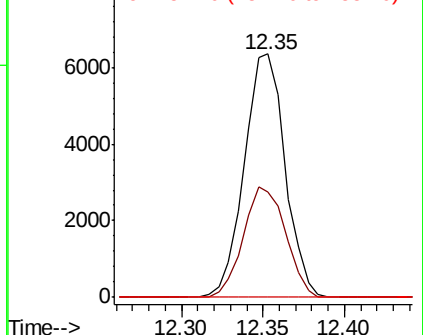
173 100

175 47.0 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: VW007020.D

Acq: 22 Nov 2018 02:02

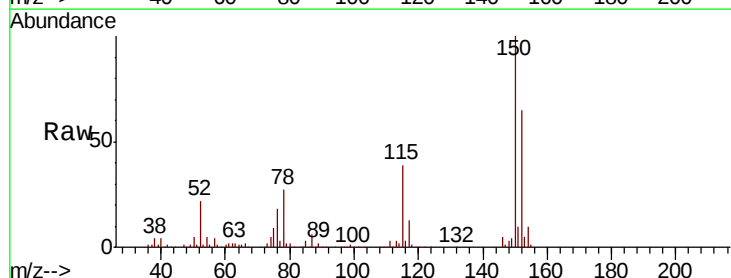
Tgt Ion:152 Resp: 80054

Ion Ratio Lower Upper

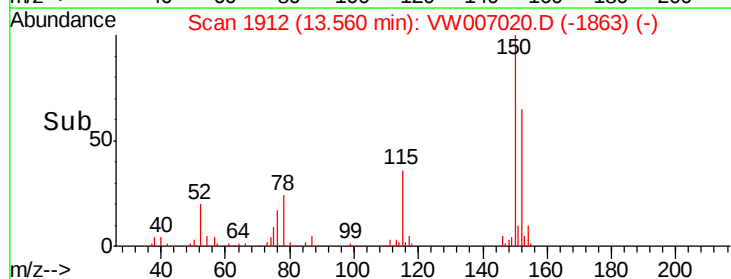
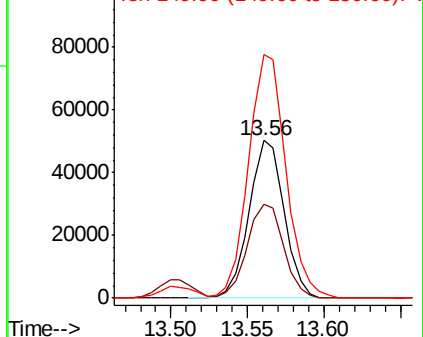
152 100

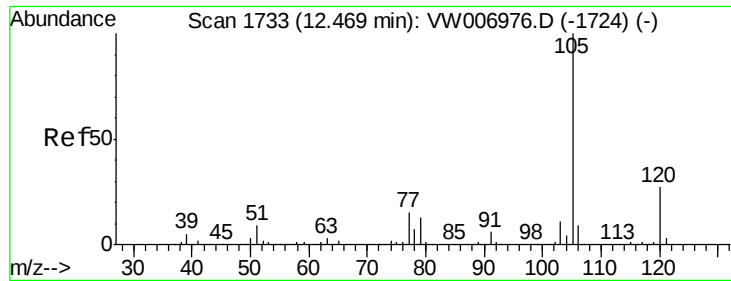
115 61.7 31.4 94.2

150 165.2 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: 21.489 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

Instrument :

MSVOA_W

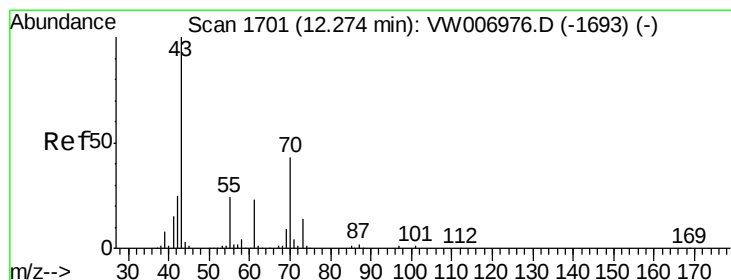
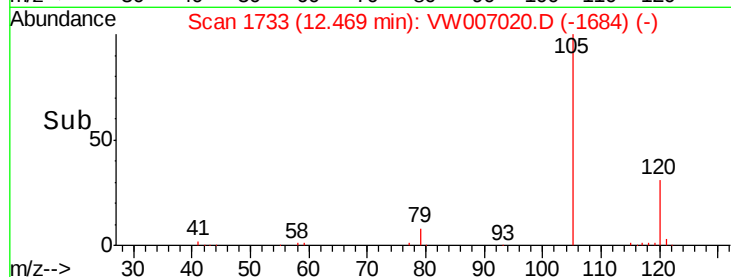
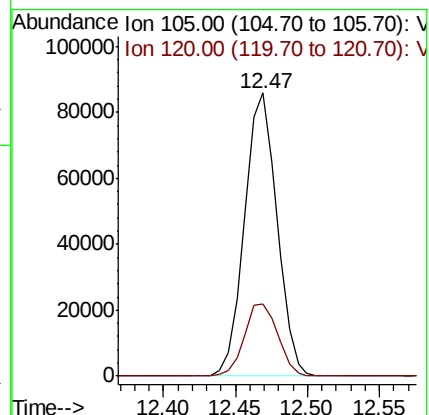
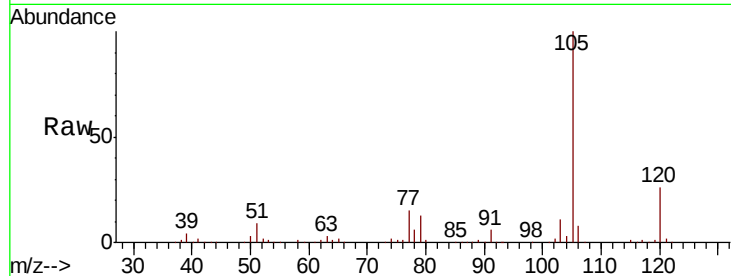
ClientSampled :

Tot Ion:105 Resp: 133695

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.8



#74

N-ethyl acetate

Concen: 21.839 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

Tgt Ion: 43 Resp: 22773

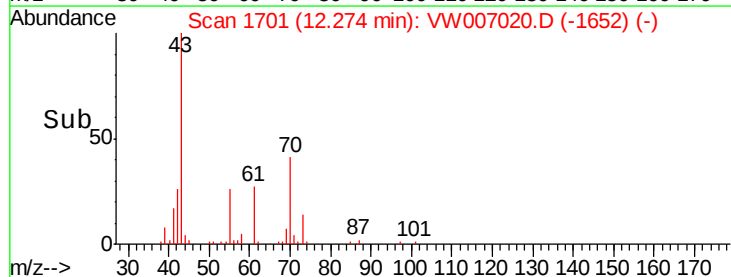
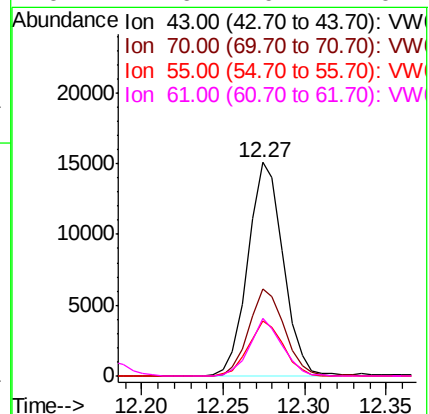
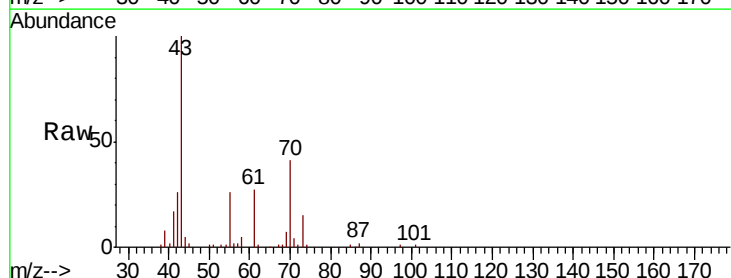
Ion Ratio Lower Upper

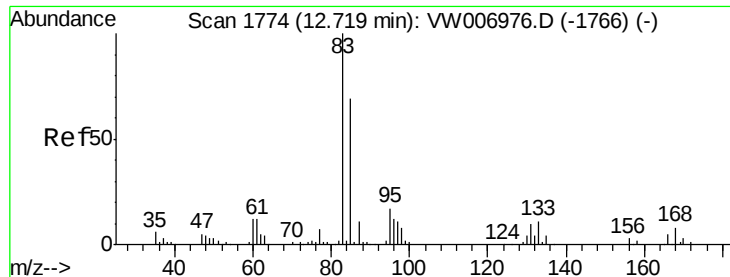
43 100

70 40.9 34.0 51.0

55 25.6 19.4 29.0

61 24.6 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.537 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

Instrument :

MSVOA_W

ClientSampled :

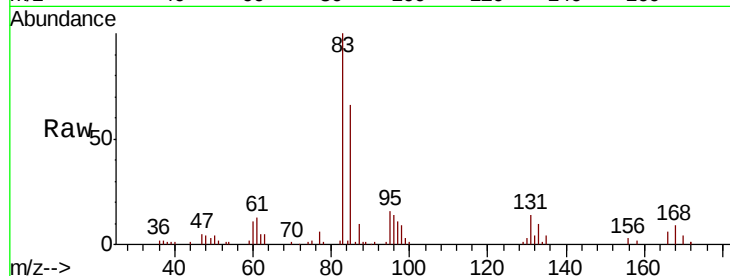
Tot Ion: 83 Resp: 18661

Ion Ratio Lower Upper

83 100

131 11.0 5.7 17.1

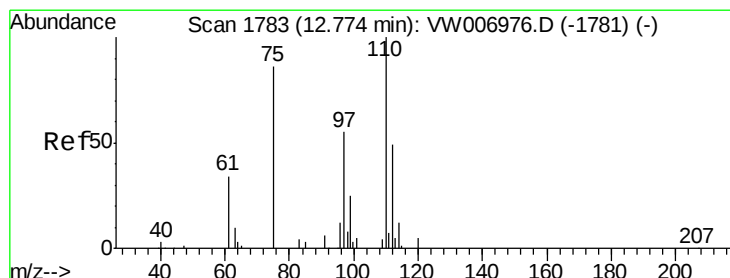
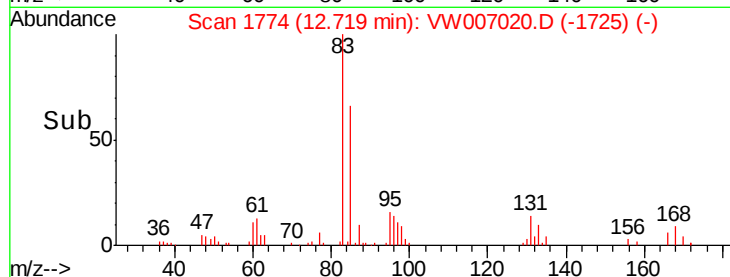
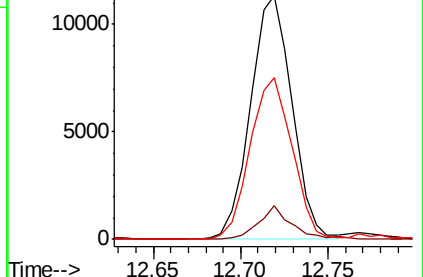
85 67.5 33.1 99.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 39.087 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007020.D

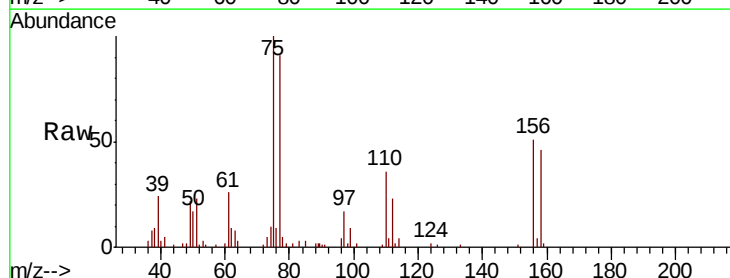
Acq: 22 Nov 2018 02:02

Tgt Ion: 75 Resp: 24588

Ion Ratio Lower Upper

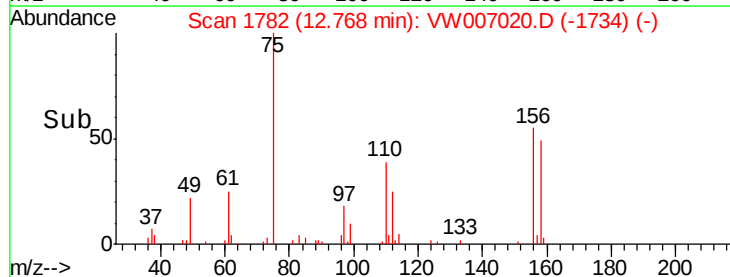
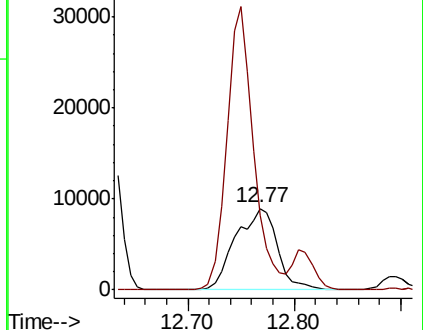
75 100

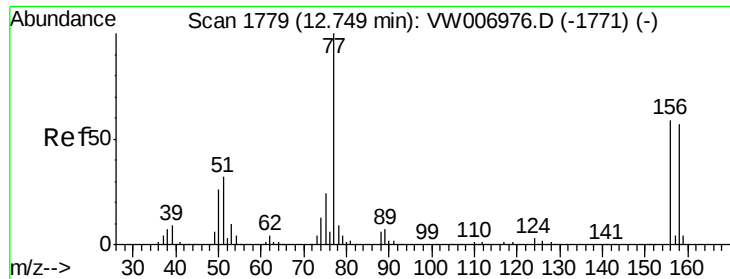
77 222.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.597 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

Instrument :

MSVOA_W

ClientSampleId :

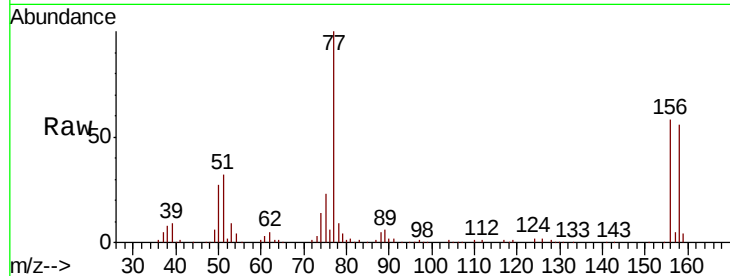
Tot Ion:156 Resp: 28860

Ion Ratio Lower Upper

156 100

77 189.7 94.6 283.8

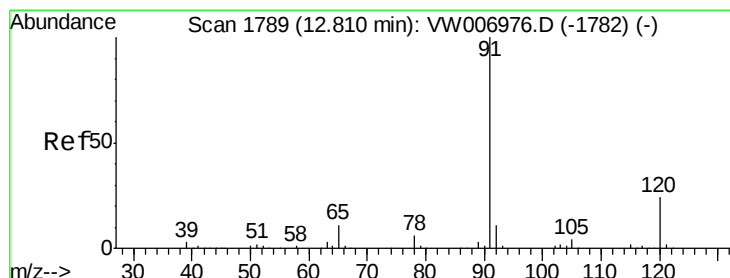
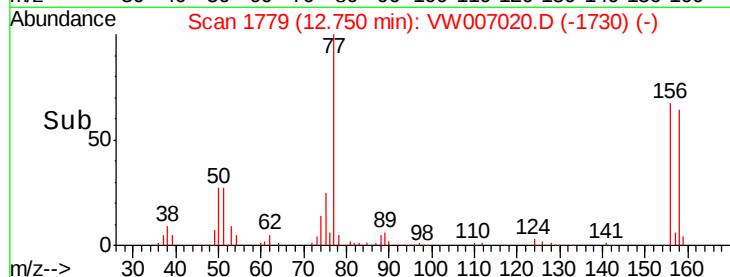
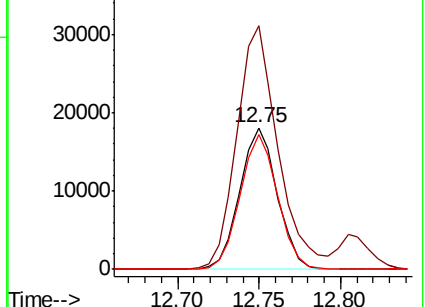
158 95.0 48.9 146.7



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: 20.819 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW007020.D

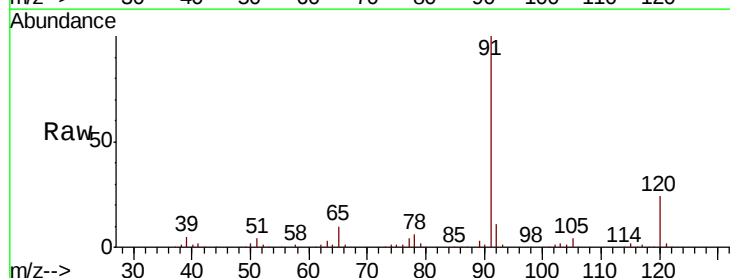
Acq: 22 Nov 2018 02:02

Tgt Ion: 91 Resp: 156903

Ion Ratio Lower Upper

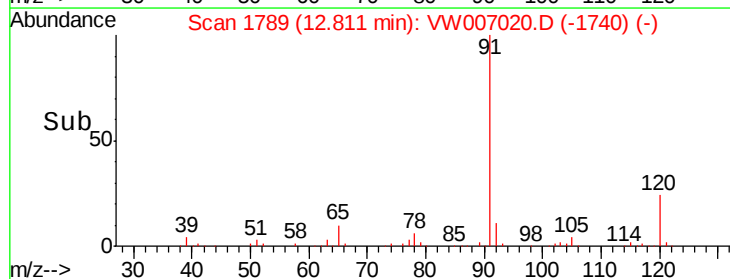
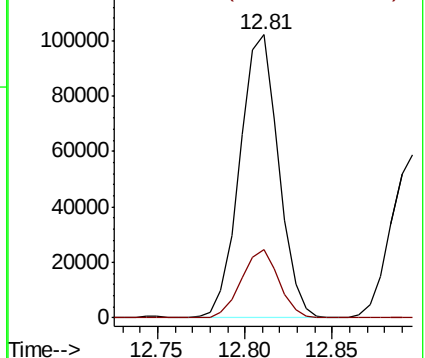
91 100

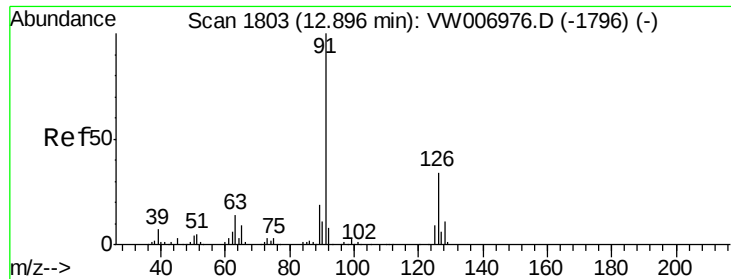
120 23.5 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.365 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

Instrument :

MSVOA_W

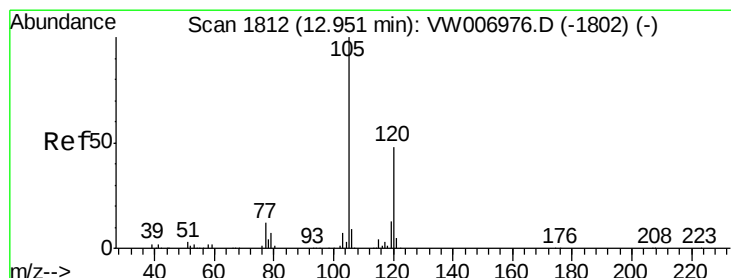
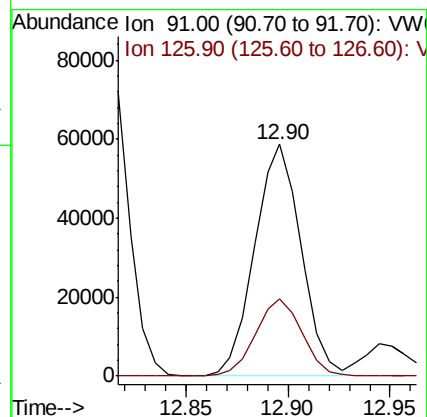
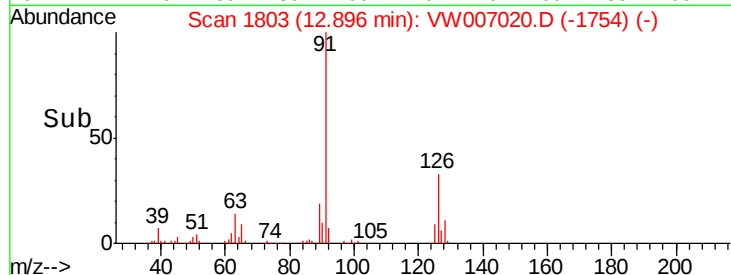
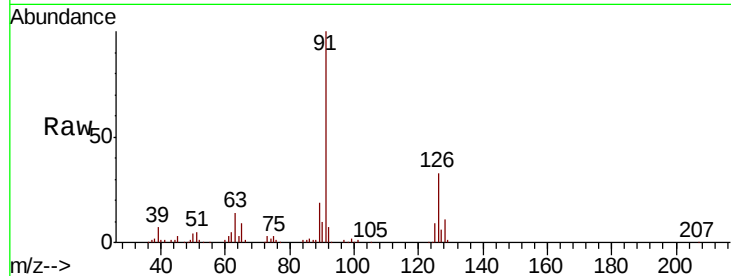
ClientSampled :

Tot Ion: 91 Resp: 92841

Ion Ratio Lower Upper

91 100

126 33.4 16.7 50.0



#80

1,3,5-Trimethylbenzene

Concen: 21.313 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VW007020.D

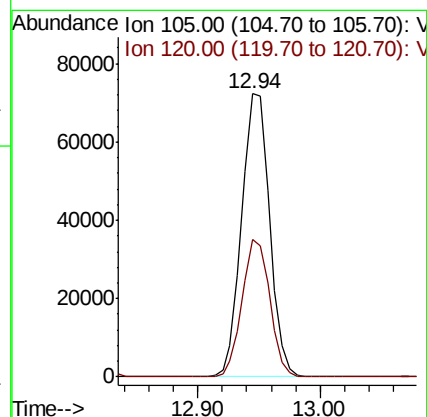
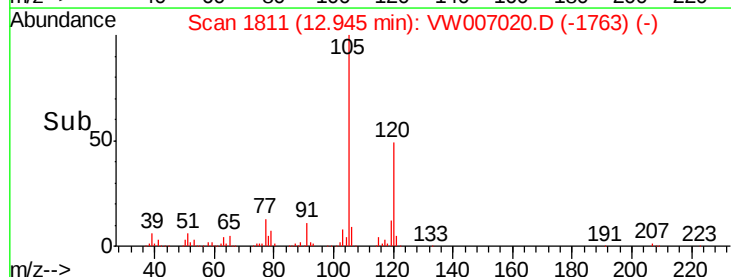
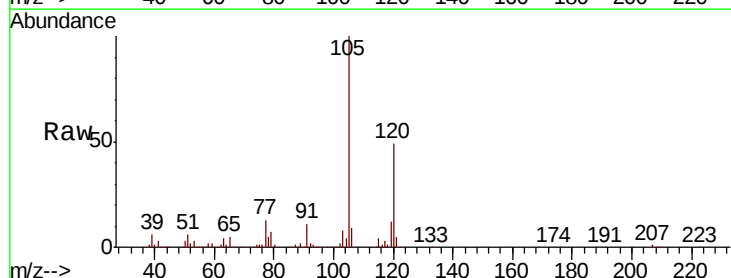
Acq: 22 Nov 2018 02:02

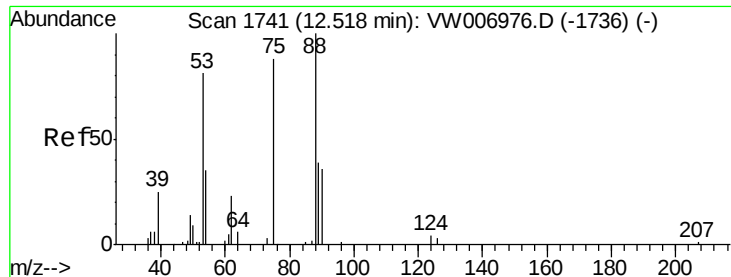
Tgt Ion:105 Resp: 114668

Ion Ratio Lower Upper

105 100

120 48.2 23.8 71.2





#81

trans-1,4-Dichloro-2-butene

Concen: 21.851 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

Instrument :

MSVOA_W

ClientSampleId :

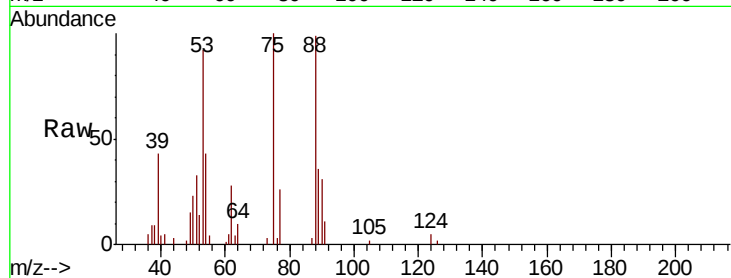
Tot Ion: 75 Resp: 5475

Ion Ratio Lower Upper

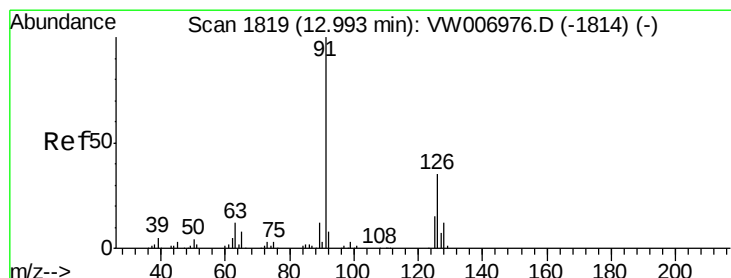
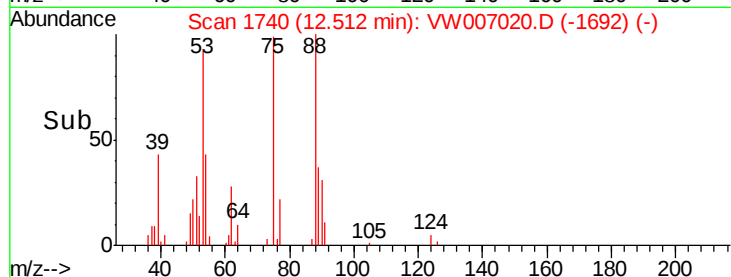
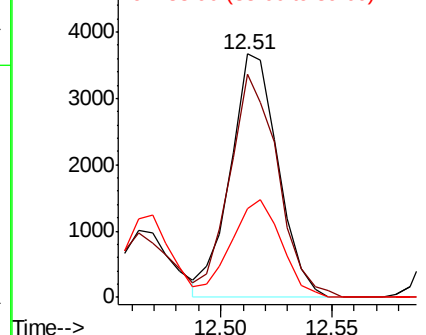
75 100

53 92.8 77.6 116.4

89 42.7 39.3 58.9



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 21.416 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW007020.D

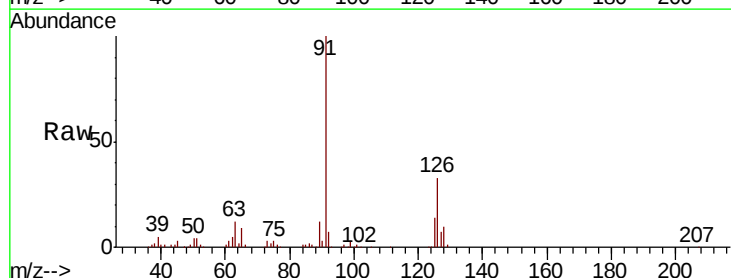
Acq: 22 Nov 2018 02:02

Tgt Ion: 91 Resp: 97661

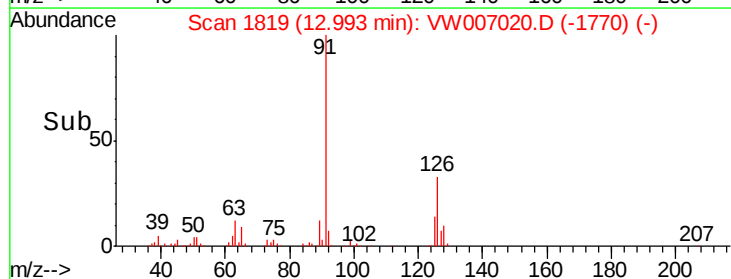
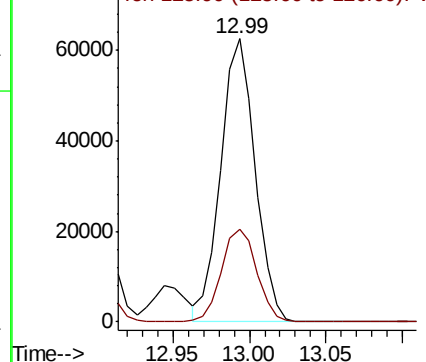
Ion Ratio Lower Upper

91 100

126 33.7 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

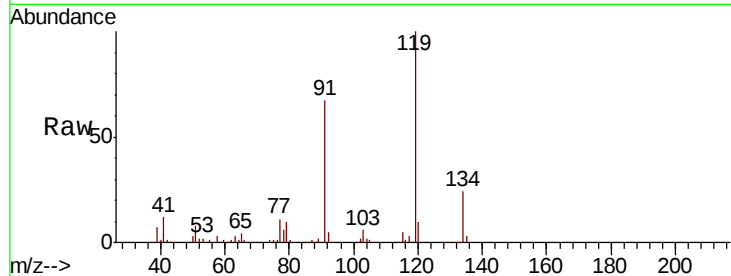




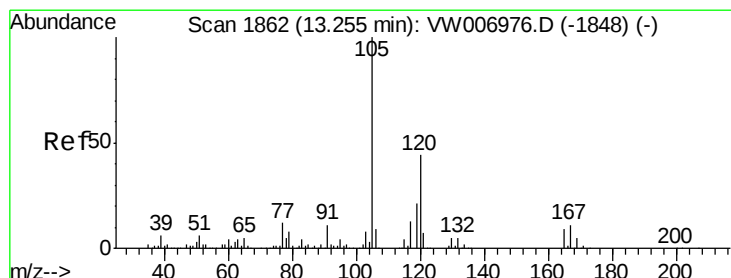
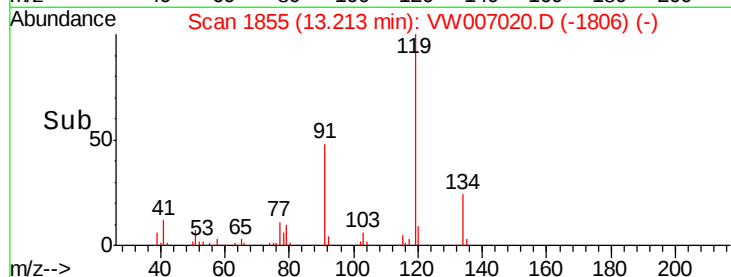
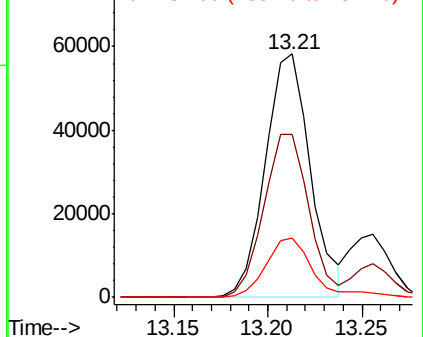
#83
tert-Butylbenzene
Concen: 20.783 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:119 Resp: 96807
Ion Ratio Lower Upper
119 100
91 67.0 33.5 100.5
134 25.5 12.6 37.8

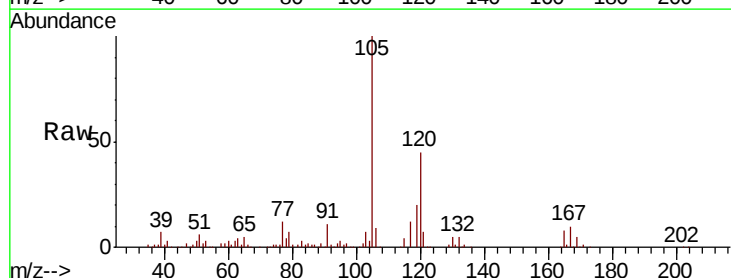


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

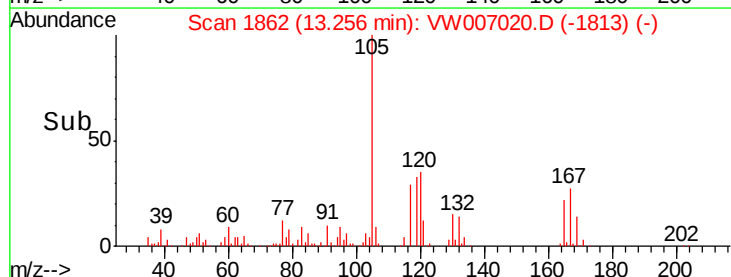
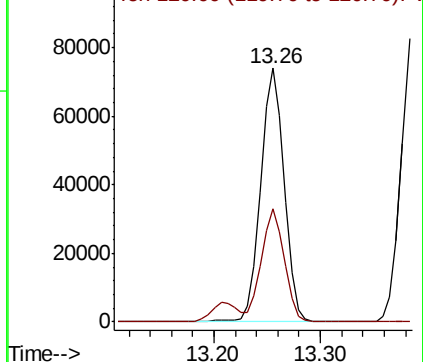


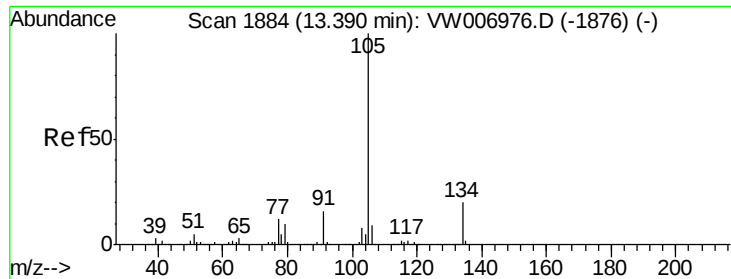
#84
1,2,4-Trimethylbenzene
Concen: 21.342 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Tgt Ion:105 Resp: 114399
Ion Ratio Lower Upper
105 100
120 44.0 21.8 65.3



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





#85

sec-Butylbenzene

Concen: 20.876 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

Instrument :

MSVOA_W

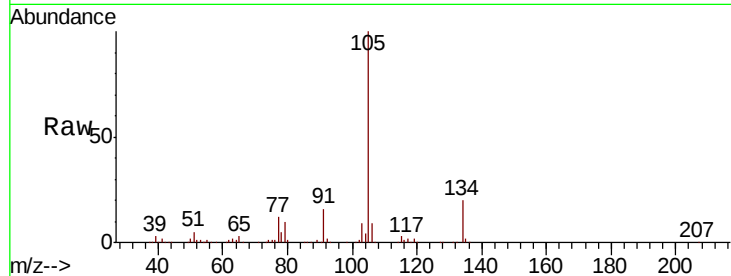
ClientSampled :

Tot Ion:105 Resp: 137377

Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

100000

80000

60000

40000

20000

0

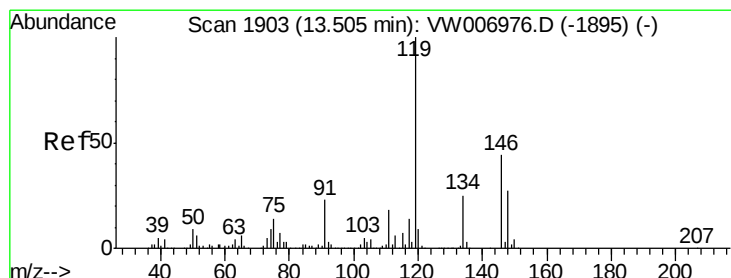
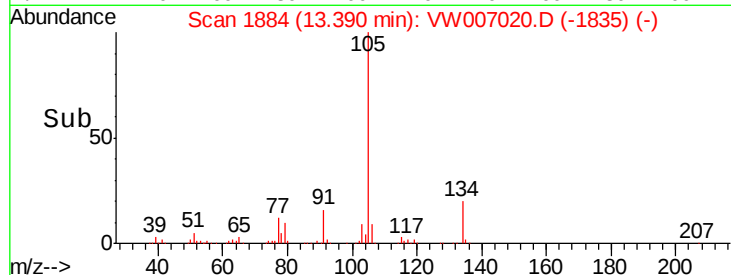
13.39

13.35

13.40

13.45

Time-->



#86

p-Isopropyltoluene

Concen: 20.960 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

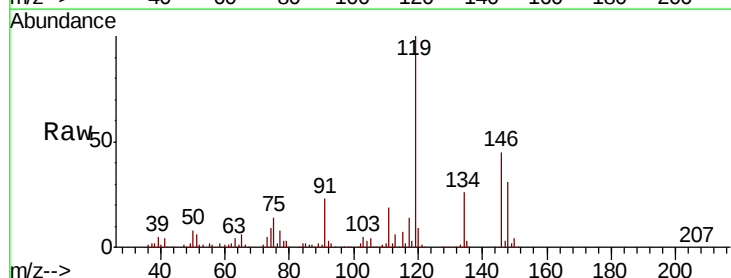
Tgt Ion:119 Resp: 121686

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.3

91 24.3 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

100000

80000

60000

40000

20000

0

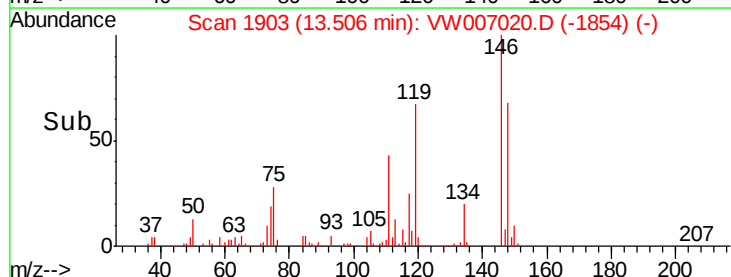
13.51

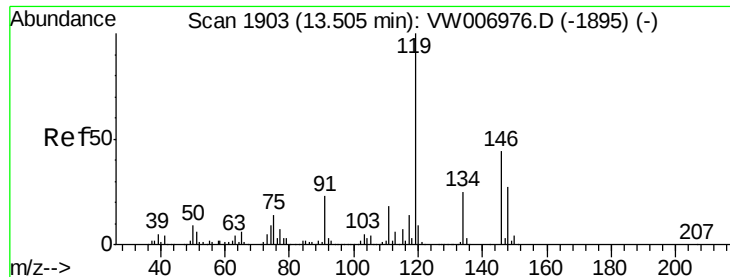
13.45

13.50

13.55

Time-->

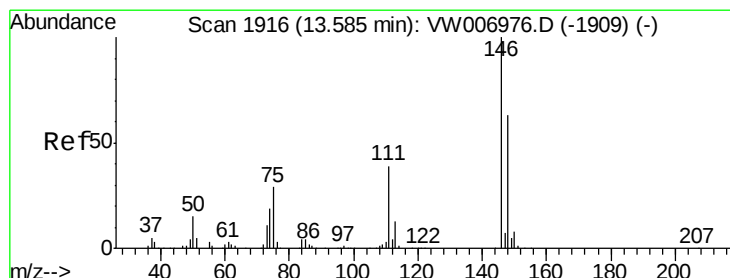
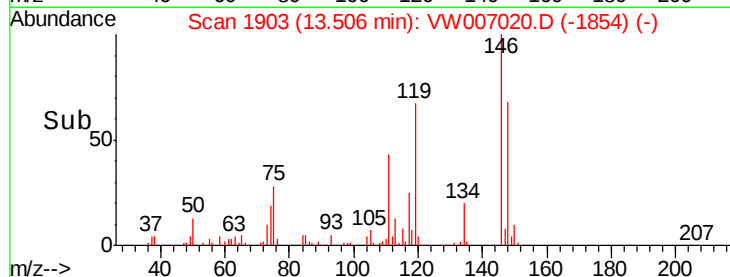
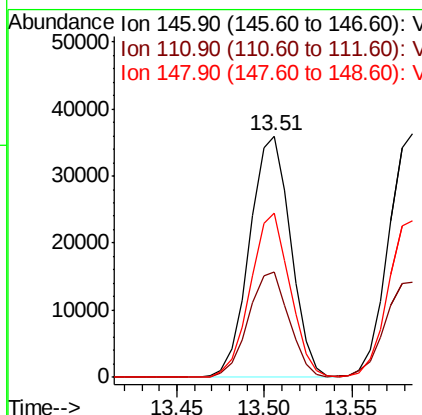
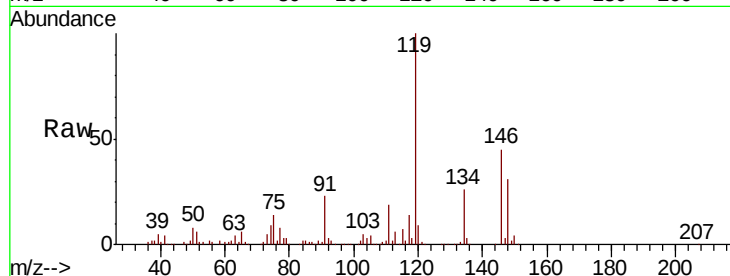




#87
 1,3-Dichlorobenzene
 Concen: 21.527 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007020.D
 Acq: 22 Nov 2018 02:02

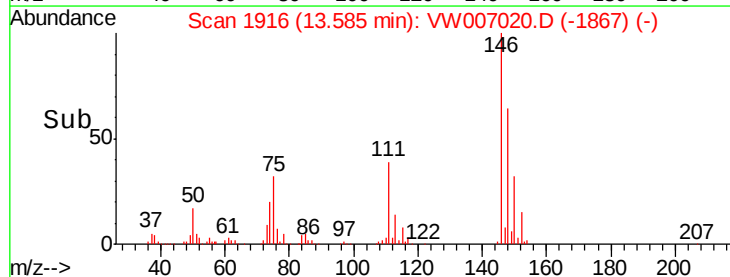
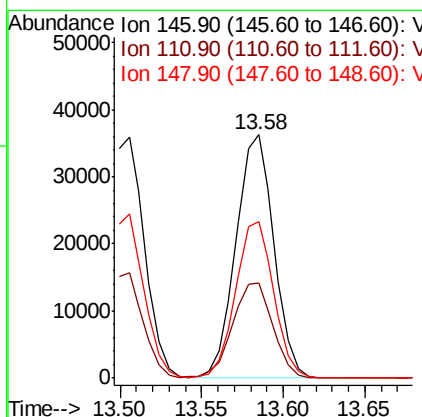
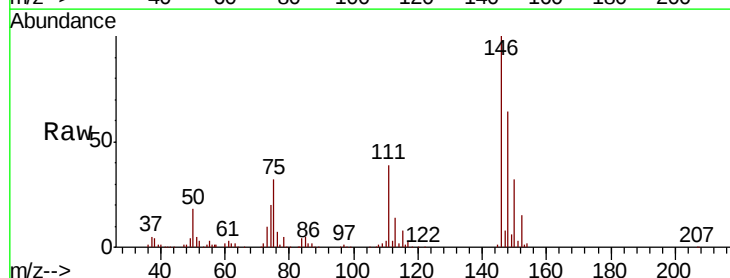
Instrument :
 MSVOA_W
 ClientSampleId :

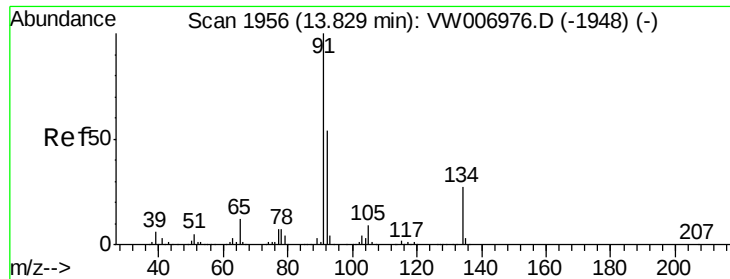
Tot Ion:146 Resp: 58728
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.1 63.3
 148 65.7 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 21.591 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007020.D
 Acq: 22 Nov 2018 02:02

Tgt Ion:146 Resp: 58727
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.6 61.8
 148 64.5 32.3 96.8





#89

n-Butylbenzene

Concen: 20.678 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

Instrument :

MSVOA_W

ClientSampled :

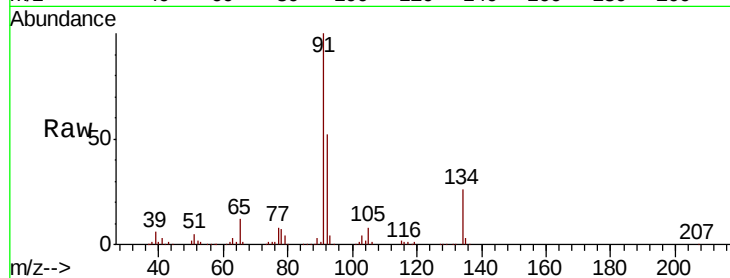
Tot Ion: 91 Resp: 112973

Ion Ratio Lower Upper

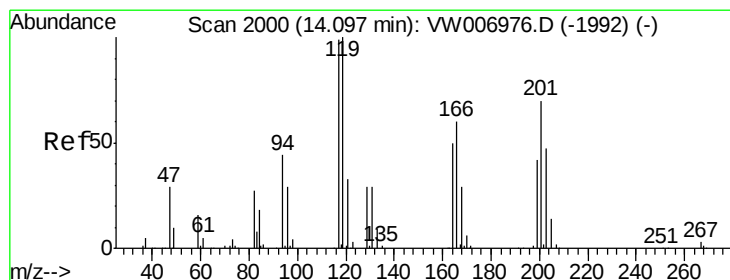
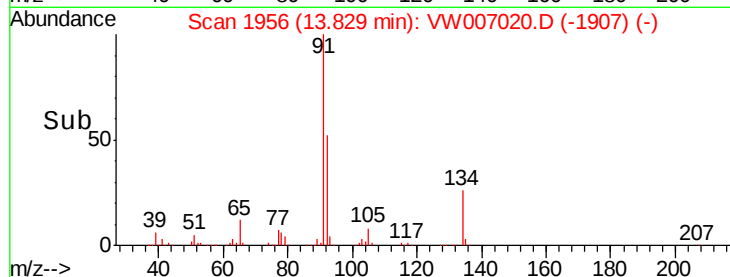
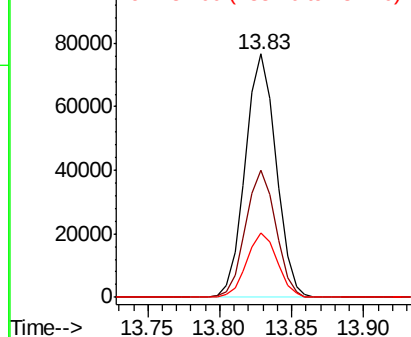
91 100

92 51.6 26.8 80.4

134 26.2 13.3 39.8



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



#90

Hexachloroethane

Concen: 20.915 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW007020.D

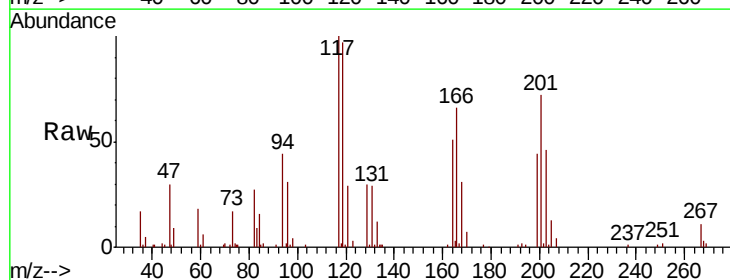
Acq: 22 Nov 2018 02:02

Tgt Ion: 117 Resp: 17727

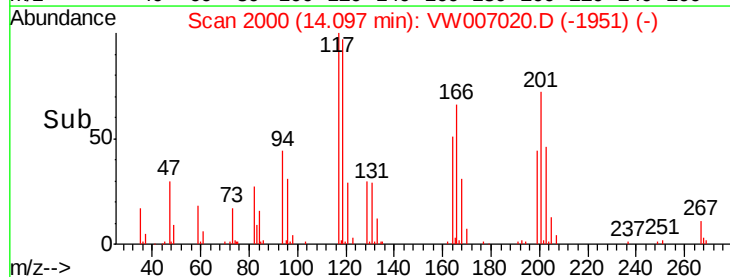
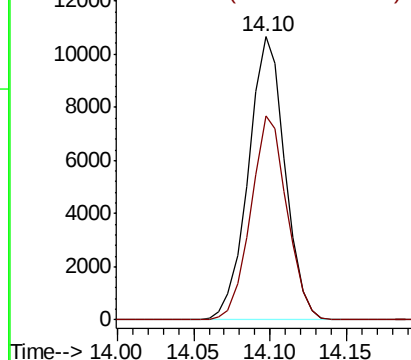
Ion Ratio Lower Upper

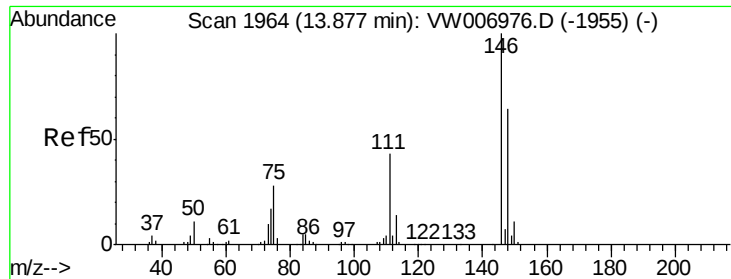
117 100

201 71.2 35.9 107.5



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





#91

1,2-Dichlorobenzene

Concen: 21.502 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

Instrument :

MSVOA_W

ClientSampled :

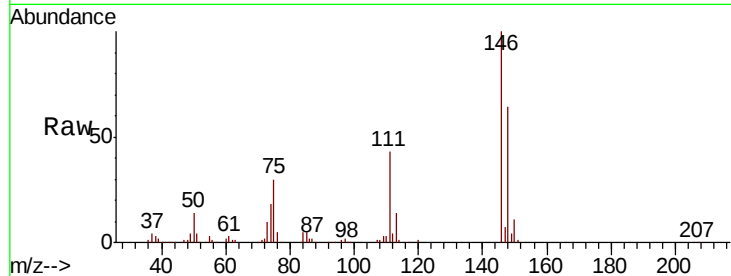
Tot Ion:146 Resp: 51400

Ion Ratio Lower Upper

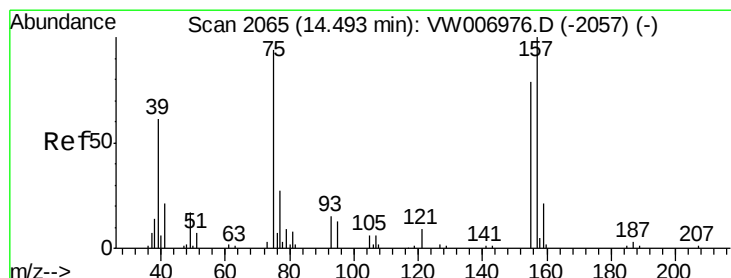
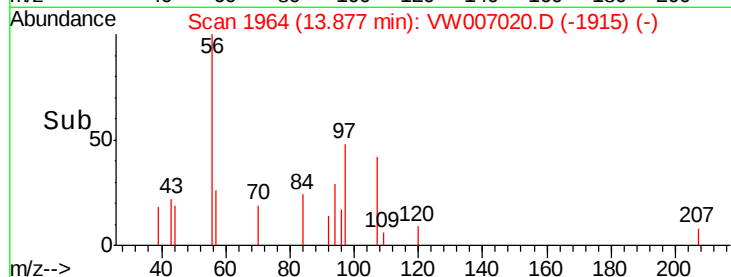
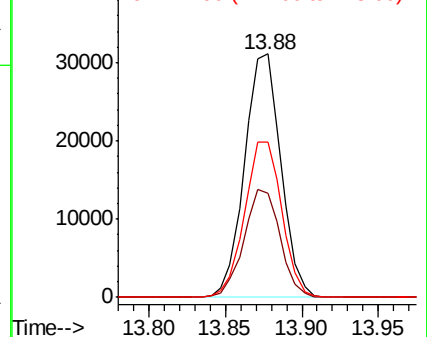
146 100

111 44.0 21.9 65.7

148 65.2 32.2 96.6



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.267 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW007020.D

Acq: 22 Nov 2018 02:02

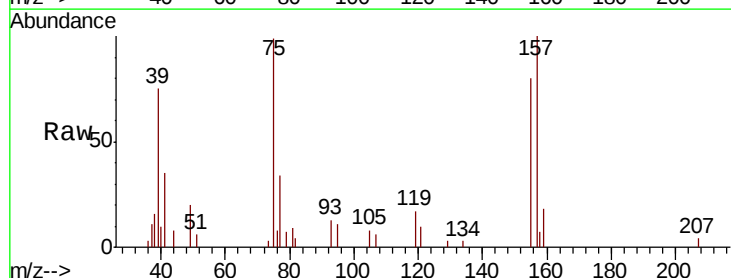
Tgt Ion: 75 Resp: 2974

Ion Ratio Lower Upper

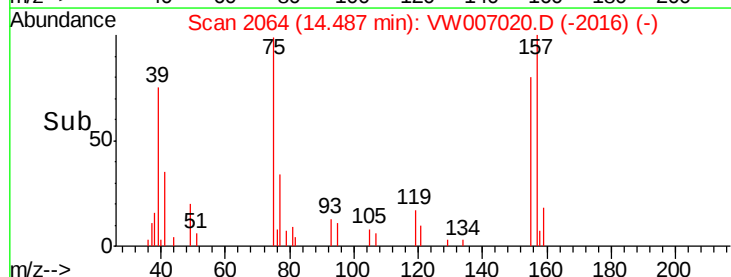
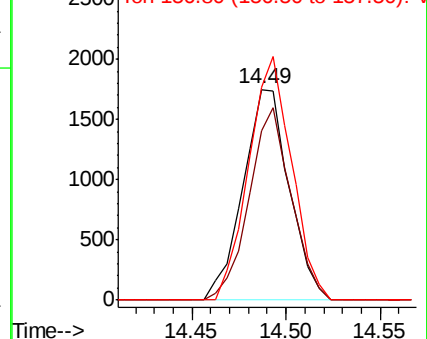
75 100

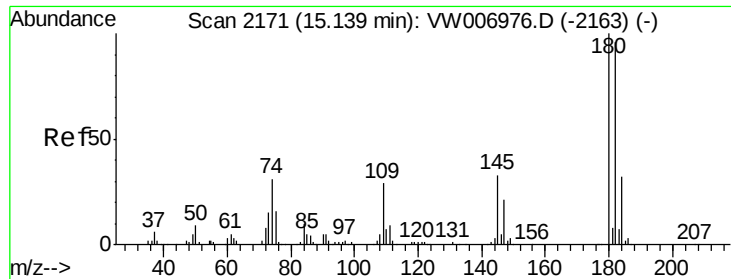
155 82.6 42.6 127.8

157 107.2 55.0 165.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

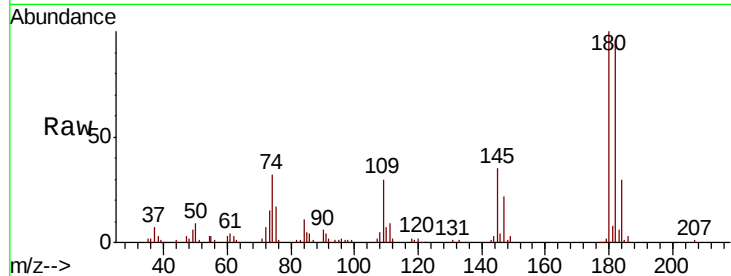




#93
 1,2,4-Trichlorobenzene
 Concen: 20.279 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007020.D
 Acq: 22 Nov 2018 02:02

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.1	141.3
145	32.5	16.5	49.5

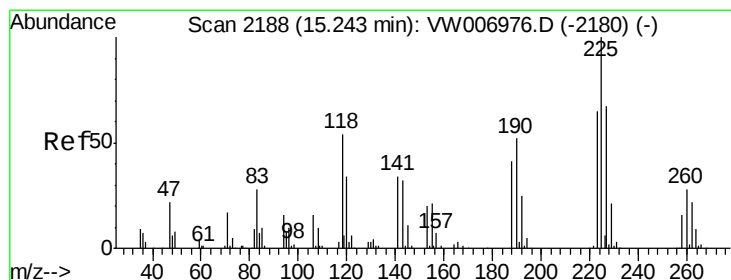
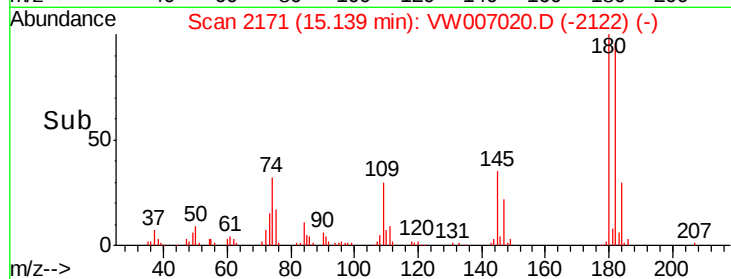
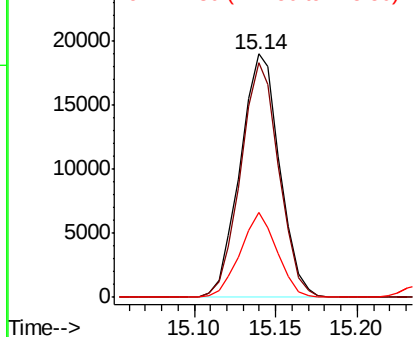


Abundance

Ion 179.80 (179.50 to 180.50): V

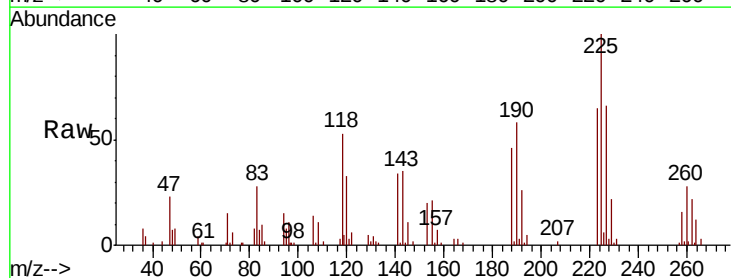
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.374 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007020.D
 Acq: 22 Nov 2018 02:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.4	97.0
227	62.8	31.9	95.5

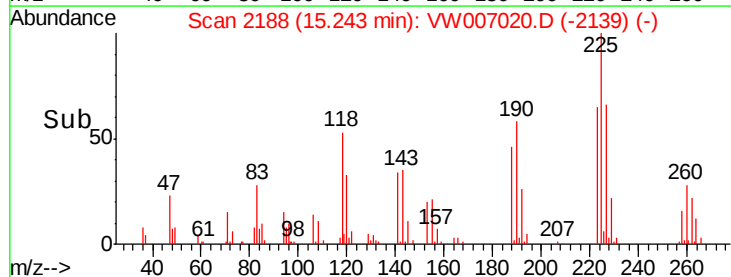
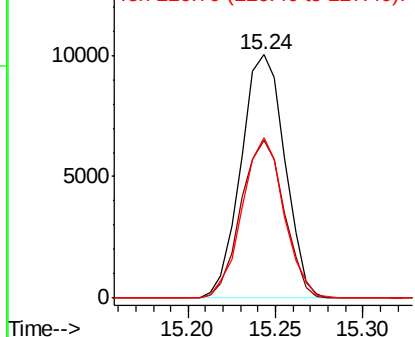


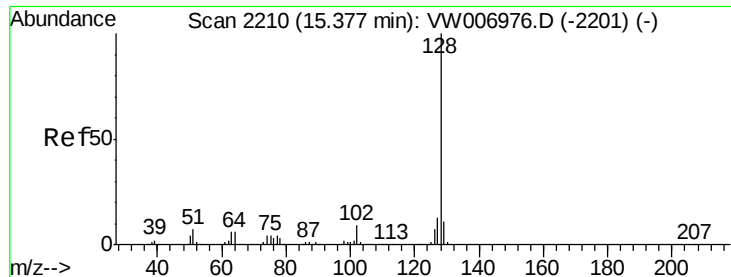
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

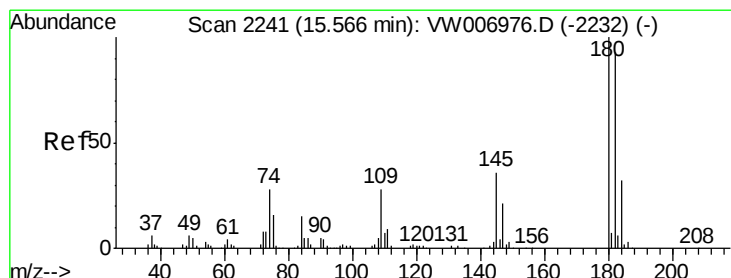
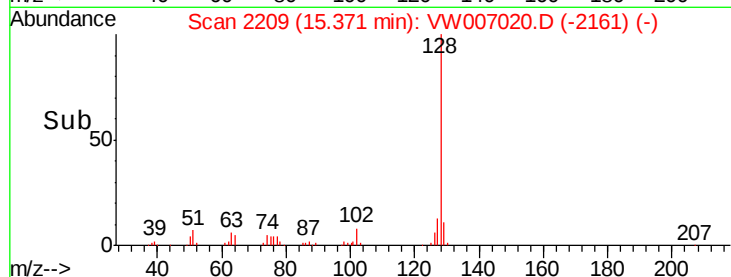
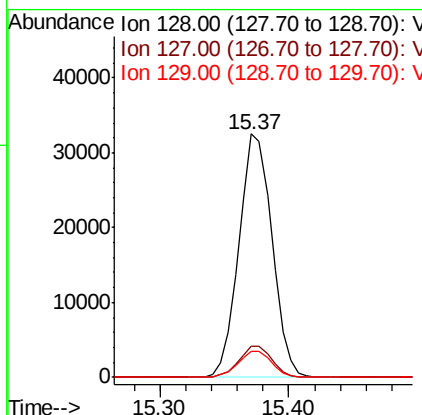
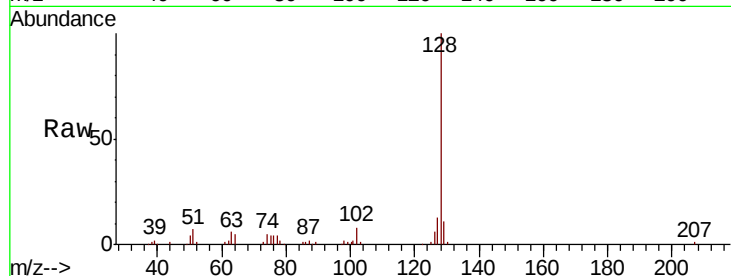




#95
Naphthalene
Concen: 20.227 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.0	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.602 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW007020.D
Acq: 22 Nov 2018 02:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.0	141.2
145	36.2	18.0	54.0

