

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121318\
 Data File : VW007421.D
 Acq On : 12 Dec 2018 04:22
 Operator : SY/AP
 Sample : J6265-02MS
 Misc : 5.68G/5ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: Dec 12 06:23:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	80413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	134894	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	121717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	59657	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	46746	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
35) Dibromofluoromethane	7.88	113	43235	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
50) Toluene-d8	10.32	98	164400	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
62) 4-Bromofluorobenzene	12.62	95	62066	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	26851	47.783	ug/l	99
3) Chloromethane	2.22	50	22394	47.584	ug/l	93
4) Vinyl Chloride	2.37	62	27717	50.186	ug/l	98
5) Bromomethane	2.78	94	18591	50.101	ug/l	92
6) Chloroethane	2.93	64	15658	51.504	ug/l	96
7) Trichlorofluoromethane	3.26	101	25718	51.795	ug/l	93
8) Diethyl Ether	3.68	74	20947	53.900	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41090	50.153	ug/l	99
10) Methyl Iodide	4.26	142	69268	51.048	ug/l	98
11) Tert butyl alcohol	5.17	59	16886	275.602	ug/l	98
12) 1,1-Dichloroethene	4.03	96	41604	52.741	ug/l	96
13) Acrolein	3.90	56	1208	29.796	ug/l	85
14) Allyl chloride	4.66	41	57698	49.622	ug/l	100
15) Acrylonitrile	5.37	53	43537	265.748	ug/l	99
16) Acetone	4.12	43	46662	299.448	ug/l	99
17) Carbon Disulfide	4.37	76	127783	53.426	ug/l	99
18) Methyl Acetate	4.67	43	38151	90.207	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	64015	53.794	ug/l	100
20) Methylene Chloride	4.92	84	51901	61.834	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	45688	51.775	ug/l	98
22) Diisopropyl ether	6.31	45	116574	52.159	ug/l	96
23) Vinyl Acetate	6.26	43	182476	145.970	ug/l	98
24) 1,1-Dichloroethane	6.21	63	78338	51.861	ug/l	98
25) 2-Butanone	7.17	43	54869	269.717	ug/l	99
26) 2,2-Dichloropropane	7.17	77	50264	50.279	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	50222	51.978	ug/l	97
28) Bromochloromethane	7.51	49	30141	53.049	ug/l	99
29) Tetrahydrofuran	7.53	42	34725	269.633	ug/l	98
30) Chloroform	7.67	83	87618	53.302	ug/l	100
31) Cyclohexane	7.95	56	65160	47.017	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	75166	52.144	ug/l	99
36) 1,1-Dichloropropene	8.09	75	65416	53.160	ug/l	99
37) Ethyl Acetate	7.26	43	22906	50.047	ug/l	97
38) Carbon Tetrachloride	8.07	117	72440	54.103	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	73570	49.374	ug/l	93
40) Benzene	8.32	78	182844	53.541	ug/l	98
41) Methacrylonitrile	7.48	41	12711	48.770	ug/l	85
42) 1,2-Dichloroethane	8.40	62	58637	54.661	ug/l	100
43) Isopropyl Acetate	8.43	43	47101	52.099	ug/l	99
44) Trichloroethene	9.09	130	51837	53.156	ug/l	96
45) 1,2-Dichloropropane	9.37	63	43439	54.967	ug/l	99
46) Dibromomethane	9.46	93	24711	55.062	ug/l	96
47) Bromodichloromethane	9.65	83	64352	54.667	ug/l	94
48) Methyl methacrylate	9.43	41	25288	54.463	ug/l	95
49) 1,4-Dioxane	9.45	88	8173	1122.388	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	123053	288.064	ug/l	99
52) Toluene	10.39	92	120523	54.535	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	61344	53.678	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	69895	52.906	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	34892	57.126	ug/l	96
56) Ethyl methacrylate	10.65	69	39904	54.354	ug/l	98
57) 1,3-Dichloropropane	10.93	76	58846	58.698	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	97296	287.389	ug/l	99
59) 2-Hexanone	10.97	43	84645	297.168	ug/l	98
60) Dibromochloromethane	11.13	129	44335	57.517	ug/l	100
61) 1,2-Dibromoethane	11.24	107	34248	56.739	ug/l	97
64) Tetrachloroethene	10.87	164	42128	48.130	ug/l	95
65) Chlorobenzene	11.66	112	132325	52.159	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	48199	53.943	ug/l	99
67) Ethyl Benzene	11.73	91	229708	52.664	ug/l	94
68) m/p-Xylenes	11.84	106	171520	101.152	ug/l	98
69) o-Xylene	12.17	106	83473	52.710	ug/l	98
70) Styrene	12.18	104	123667	48.347	ug/l	97
71) Bromoform	12.35	173	24702	54.012	ug/l #	99
73) Isopropylbenzene	12.47	105	221169	48.384	ug/l	99
74) N-amyl acetate	12.27	43	39702	47.790	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	39488	58.325	ug/l	92
76) 1,2,3-Trichloropropane	12.77	75	50457	102.578	ug/l	32
77) Bromobenzene	12.75	156	52939	52.247	ug/l	96
78) n-propylbenzene	12.81	91	243965	47.423	ug/l	99
79) 2-Chlorotoluene	12.90	91	152972	49.143	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	190773	49.669	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	11518	51.726	ug/l	94
82) 4-Chlorotoluene	12.99	91	160694	48.974	ug/l	96
83) tert-Butylbenzene	13.21	119	165524	48.909	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	176406	44.632	ug/l	99
85) sec-Butylbenzene	13.39	105	194672	42.136	ug/l	95
86) p-Isopropyltoluene	13.51	119	182726	44.025	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	99235	49.121	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	99587	49.034	ug/l	95
89) n-Butylbenzene	13.83	91	137192	35.655	ug/l	99
90) Hexachloroethane	14.10	117	34752	47.057	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	90108	49.799	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7239	53.280	ug/l	98

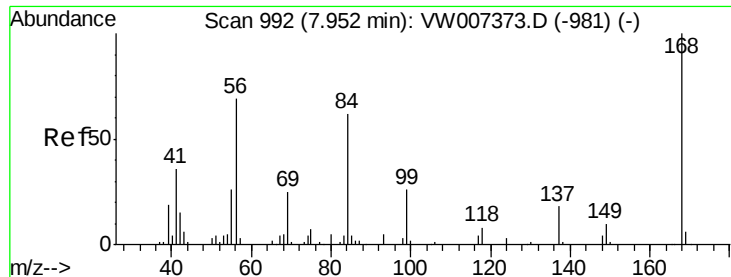
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	54534	43.795	ug/l	97
94) Hexachlorobutadiene	15.24	225	27027	40.907	ug/l	100
95) Naphthalene	15.38	128	92726	38.925	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	48392	44.737	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA_W

ClientSampleId :

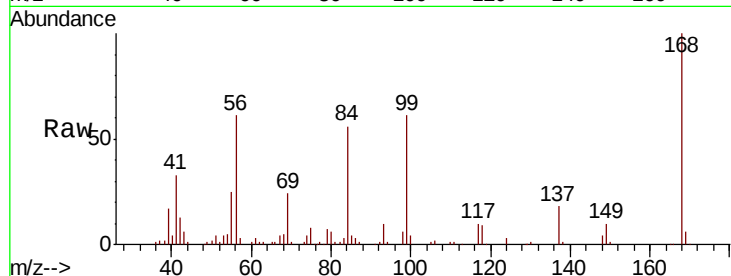
BFB

Tgt Ion:168 Resp: 80413

Ion Ratio Lower Upper

168 100

99 61.2 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

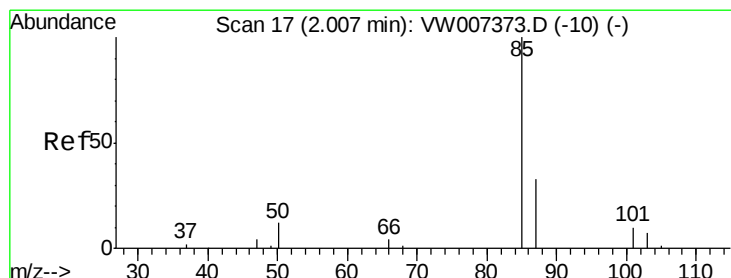
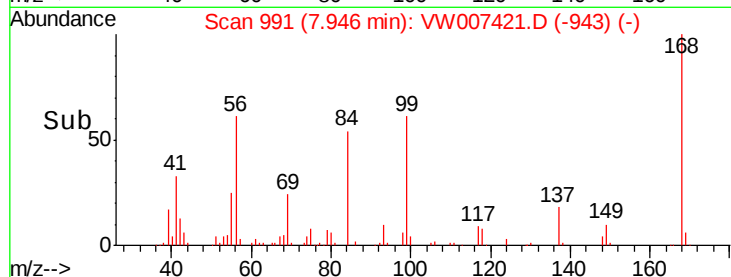
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 47.783 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007421.D

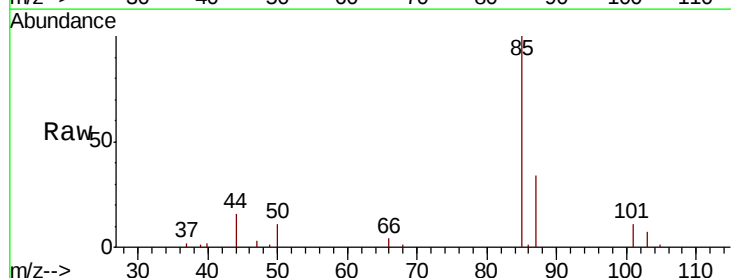
Acq: 12 Dec 2018 04:22

Tgt Ion: 85 Resp: 26851

Ion Ratio Lower Upper

85 100

87 33.6 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

6000

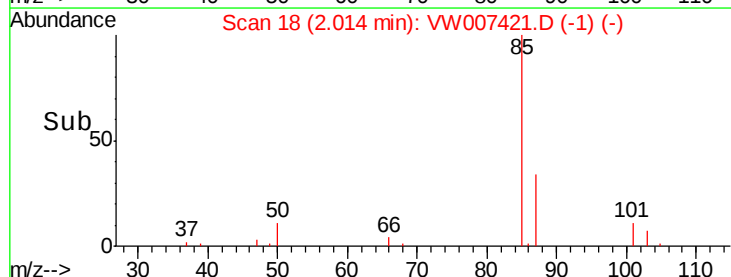
4000

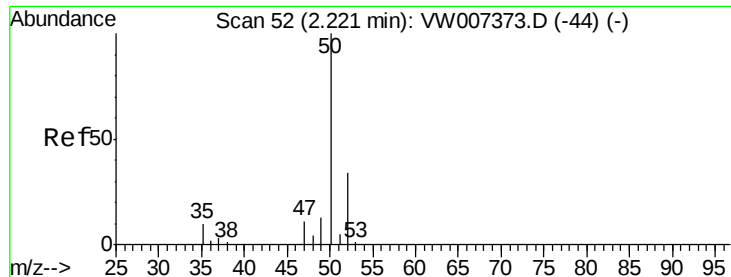
2000

0

1.90 2.00 2.10 2.20

Time-->

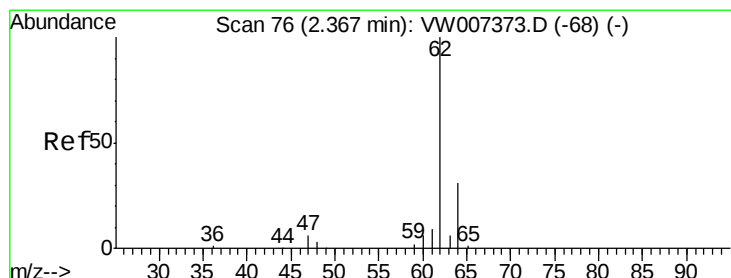
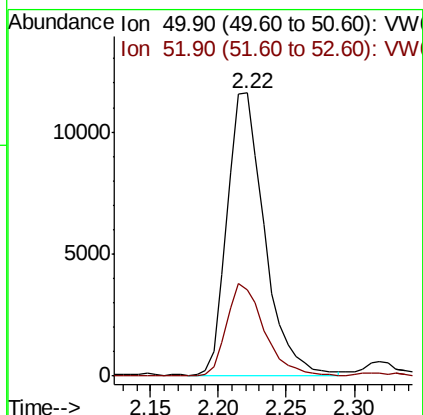
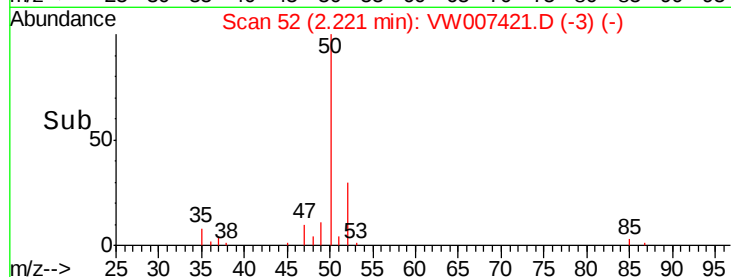
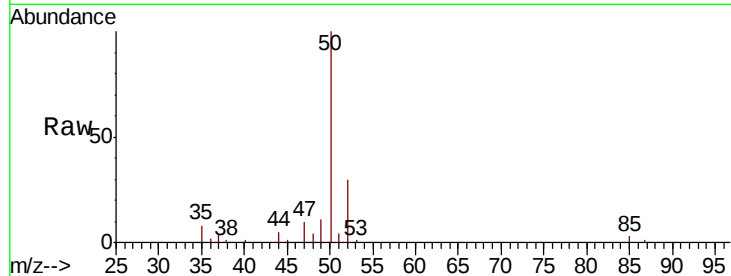




#3
Chloromethane
Concen: 47.584 ug/l
RT: 2.22 min Scan# 52
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

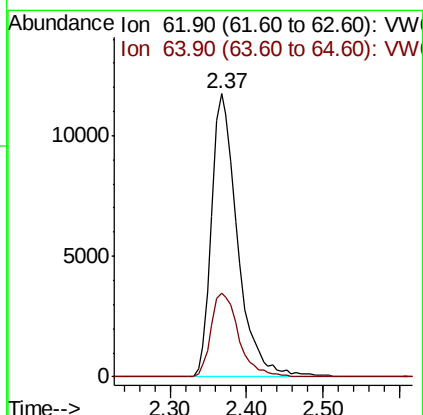
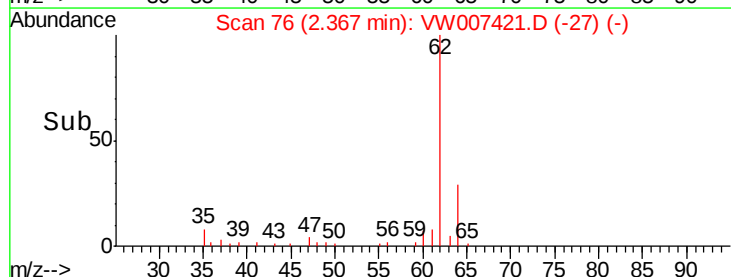
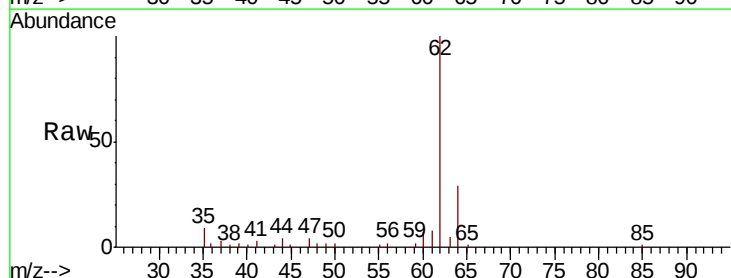
Instrument :
MSVOA_W
ClientSampleId :
BFB

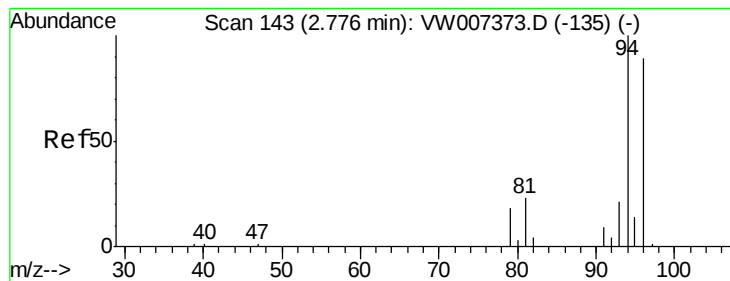
Tgt Ion: 50 Resp: 22394
Ion Ratio Lower Upper
50 100
52 30.3 27.4 41.0



#4
Vinyl Chloride
Concen: 50.186 ug/l
RT: 2.37 min Scan# 76
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

Tgt Ion: 62 Resp: 27717
Ion Ratio Lower Upper
62 100
64 29.4 24.6 37.0





#5

Bromomethane

Concen: 50.101 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA_W

ClientSampleId :

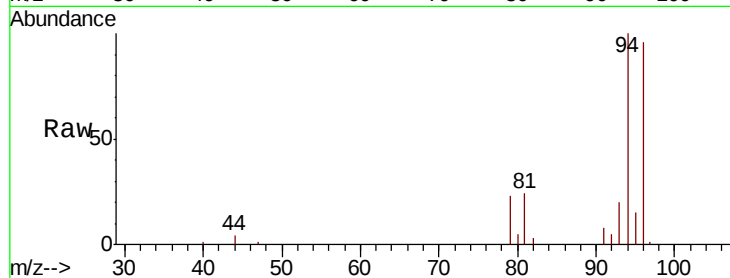
BFB

Tgt Ion: 94 Resp: 18591

Ion Ratio Lower Upper

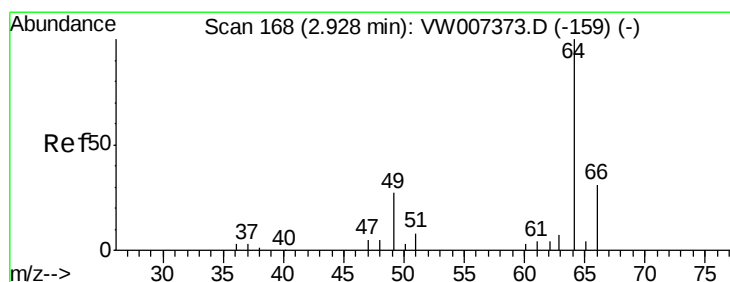
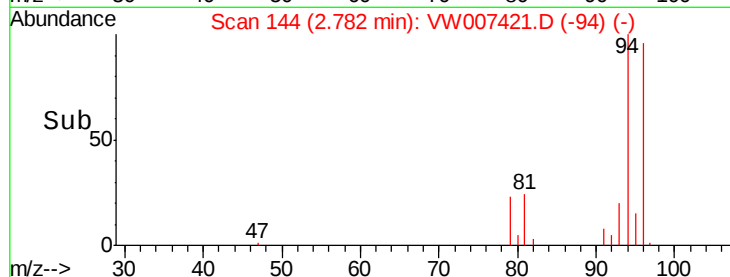
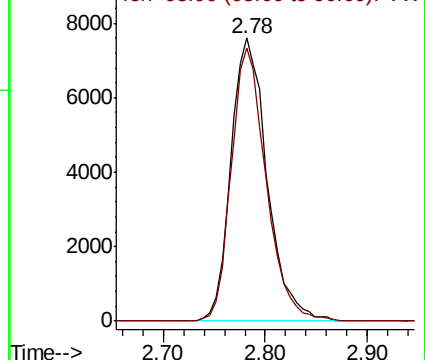
94 100

96 96.3 71.0 106.4



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 51.504 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW007421.D

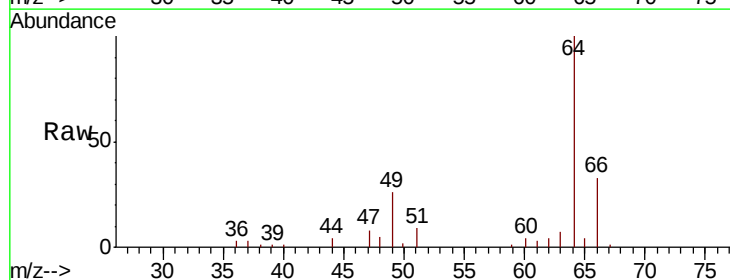
Acq: 12 Dec 2018 04:22

Tgt Ion: 64 Resp: 15658

Ion Ratio Lower Upper

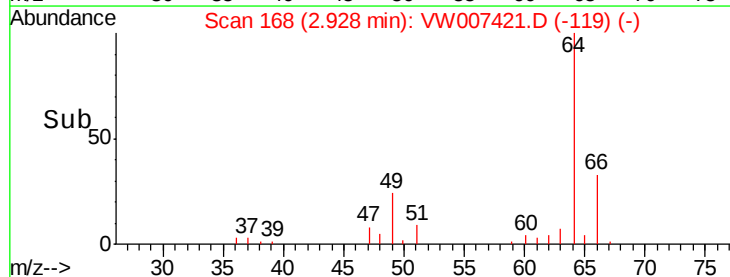
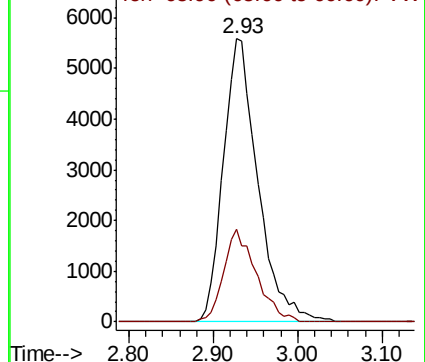
64 100

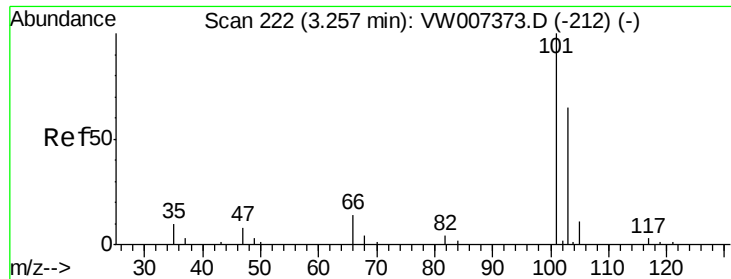
66 32.7 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



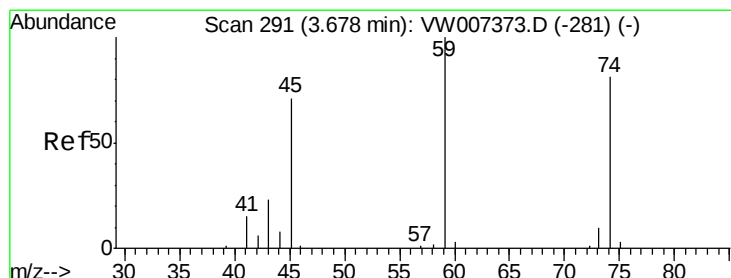
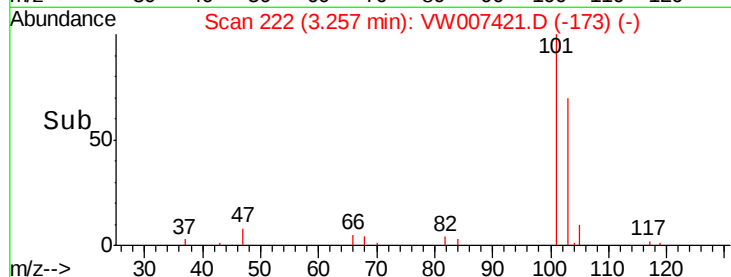
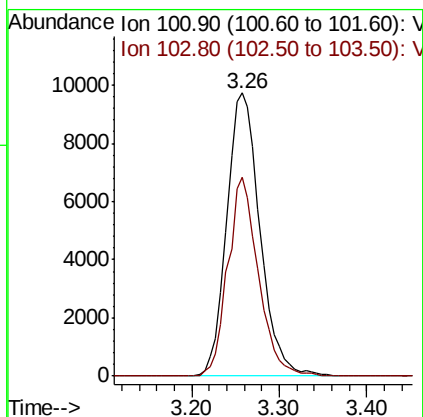
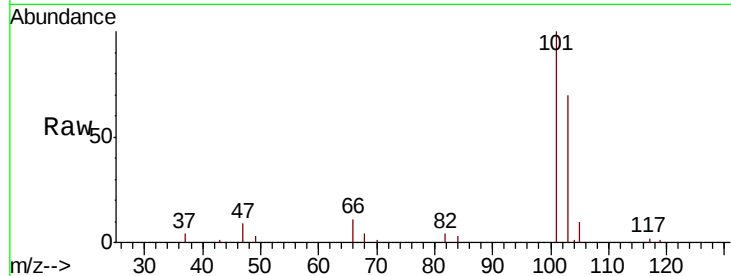


#7

Trichlorofluoromethane
 Concen: 51.795 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

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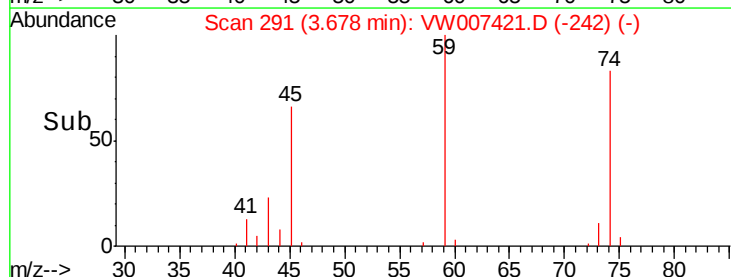
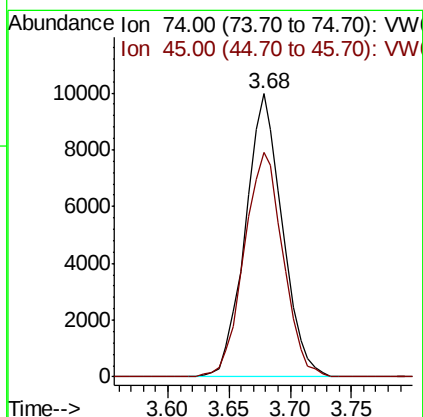
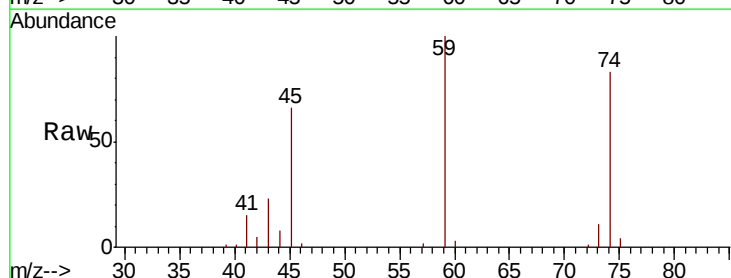
Tgt Ion: 101 Resp: 25718
 Ion Ratio Lower Upper
 101 100
 103 70.3 51.7 77.5

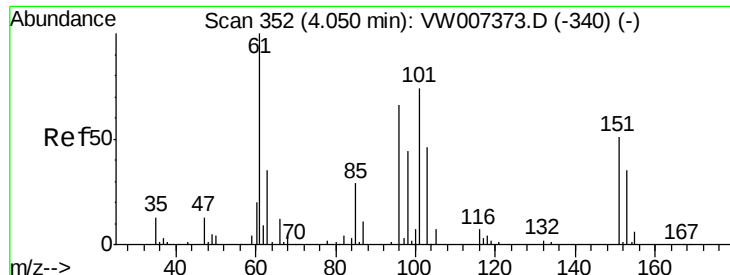


#8

Diethyl Ether
 Concen: 53.900 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

Tgt Ion: 74 Resp: 20947
 Ion Ratio Lower Upper
 74 100
 45 83.5 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.153 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA_W

ClientSampleId :

BFB

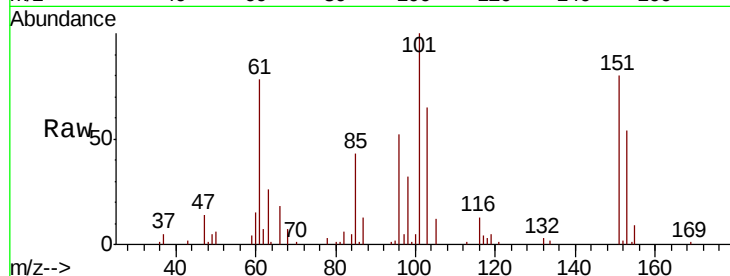
Tgt Ion:101 Resp: 41090

Ion Ratio Lower Upper

101 100

85 43.2 33.9 50.9

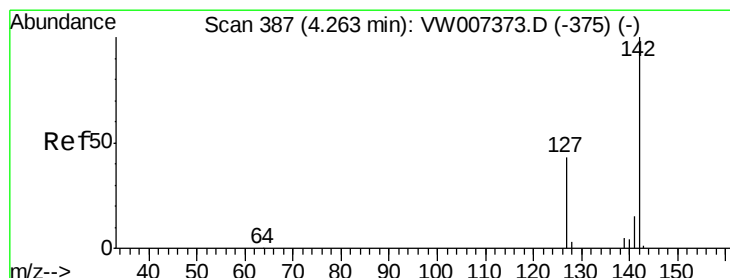
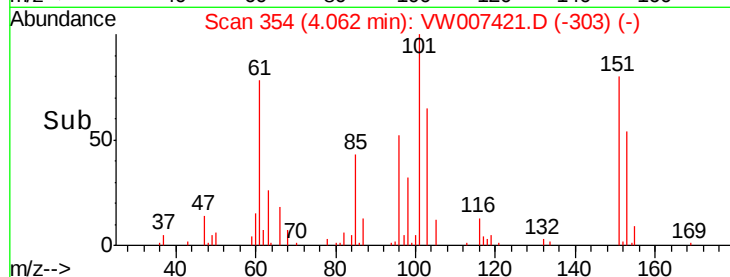
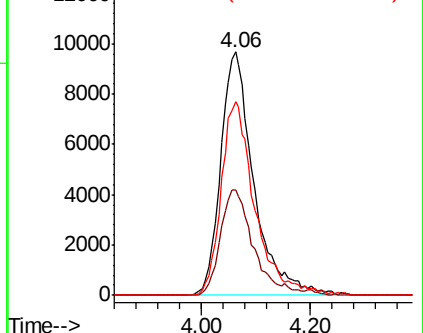
151 80.7 63.7 95.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.048 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

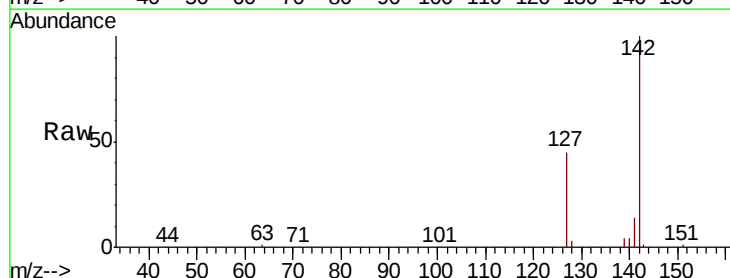
Tgt Ion:142 Resp: 69268

Ion Ratio Lower Upper

142 100

127 46.0 35.8 53.6

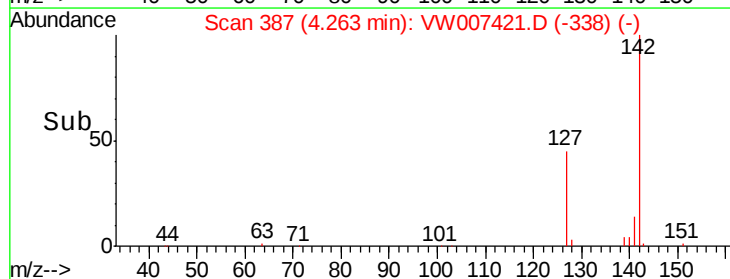
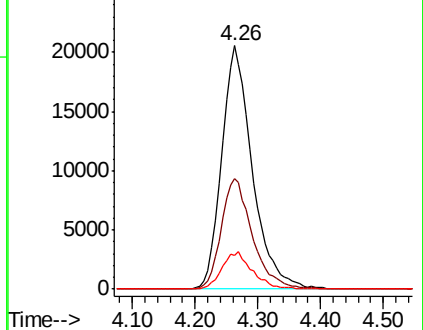
141 15.0 11.1 16.7

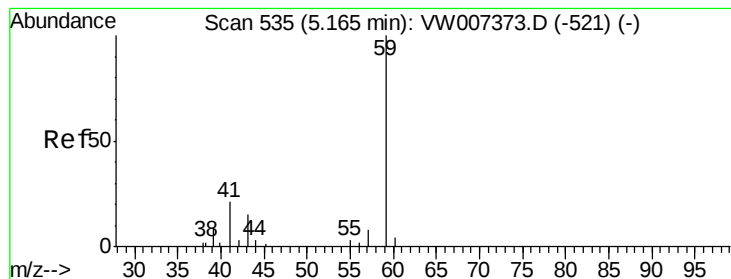


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



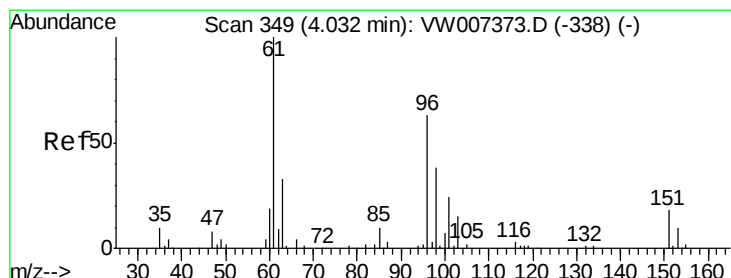
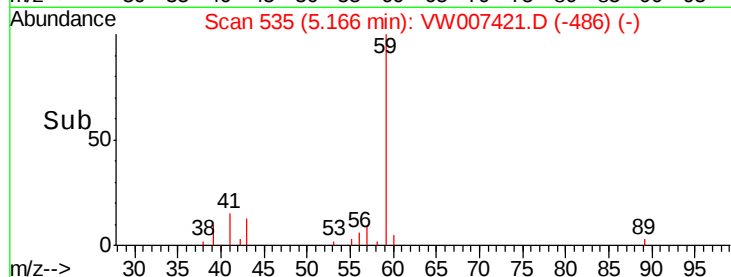
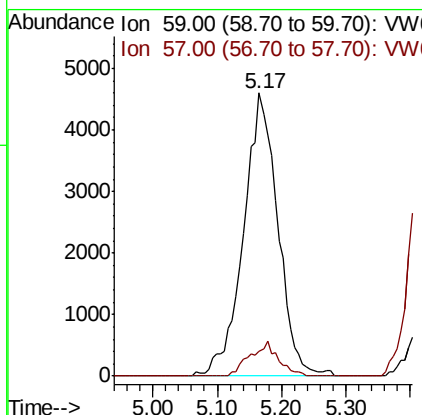
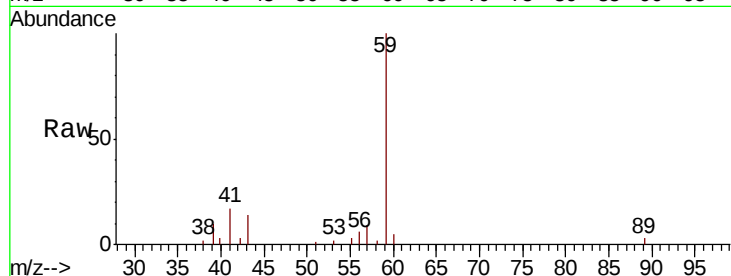


#11

Tert butyl alcohol
 Concen: 275.602 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

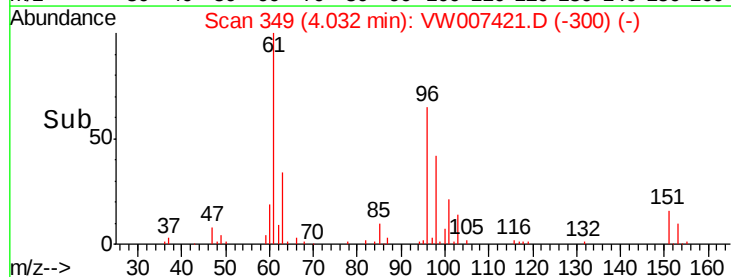
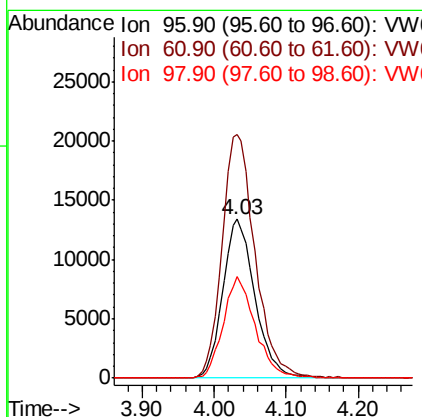
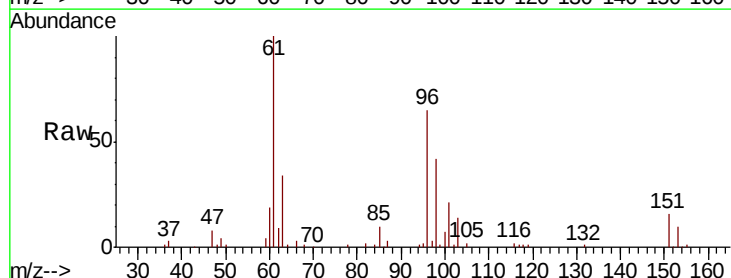
Tgt Ion: 59 Resp: 16886
 Ion Ratio Lower Upper
 59 100
 57 10.2 7.6 11.4

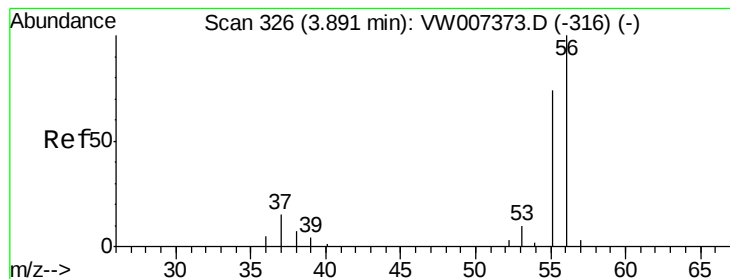


#12

1,1-Dichloroethene
 Concen: 52.741 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

Tgt Ion: 96 Resp: 41604
 Ion Ratio Lower Upper
 96 100
 61 153.6 126.2 189.2
 98 64.3 48.3 72.5





#13

Acrolein

Concen: 29.796 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA_W

ClientSampled :

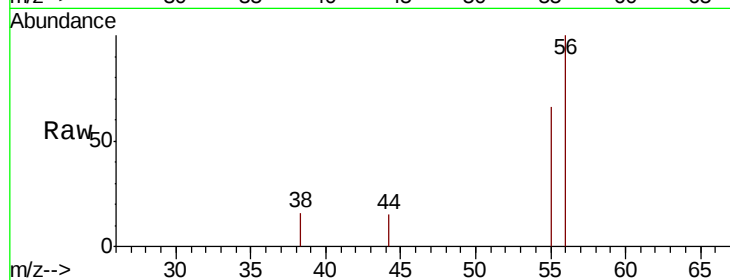
BFB

Tgt Ion: 56 Resp: 1208

Ion Ratio Lower Upper

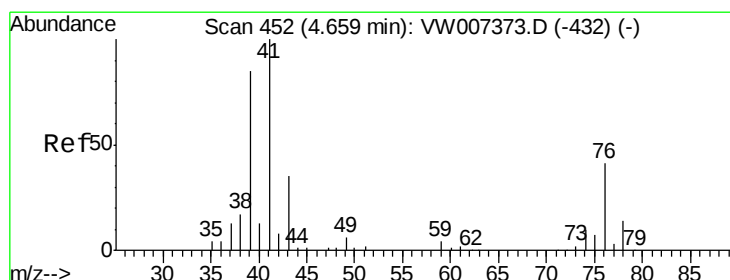
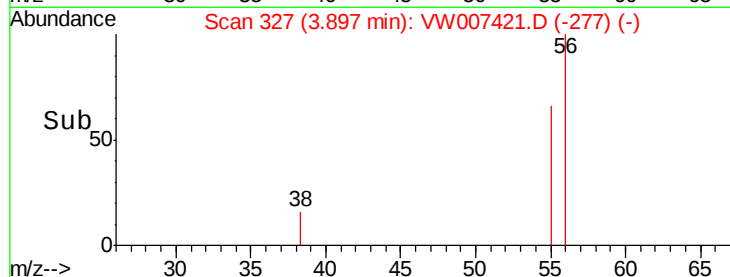
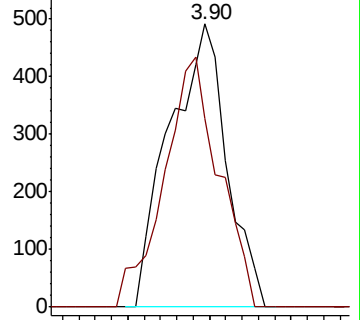
56 100

55 84.3 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 49.622 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

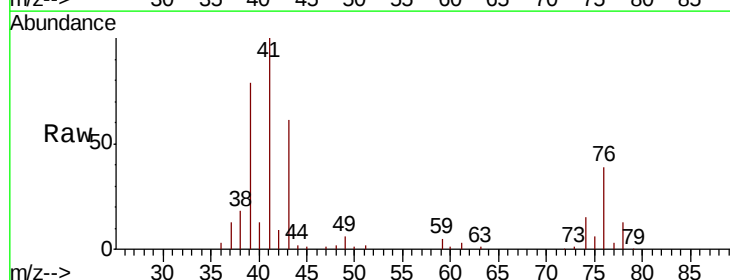
Tgt Ion: 41 Resp: 57698

Ion Ratio Lower Upper

41 100

39 79.3 63.4 95.2

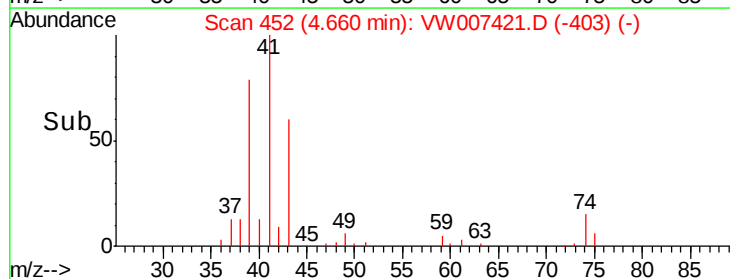
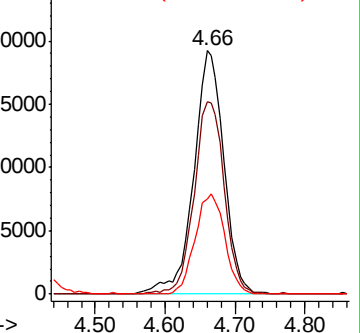
76 40.6 32.1 48.1

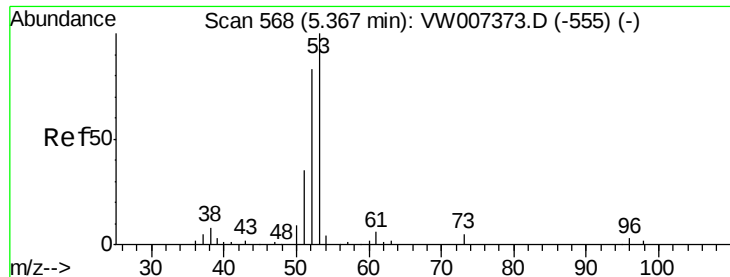


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 265.748 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA_W

ClientSampleId :

BFB

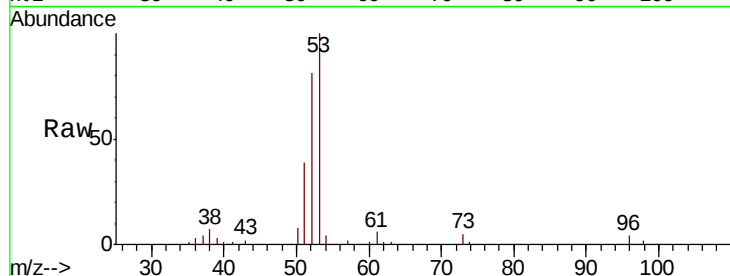
Tgt Ion: 53 Resp: 43537

Ion Ratio Lower Upper

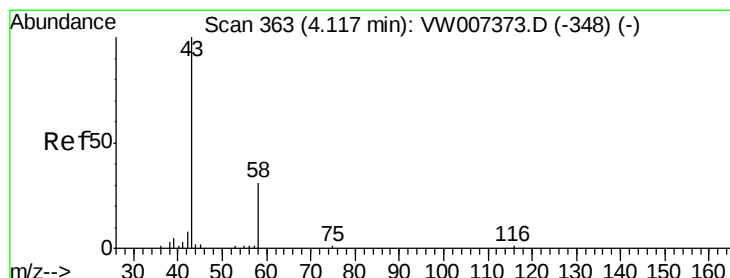
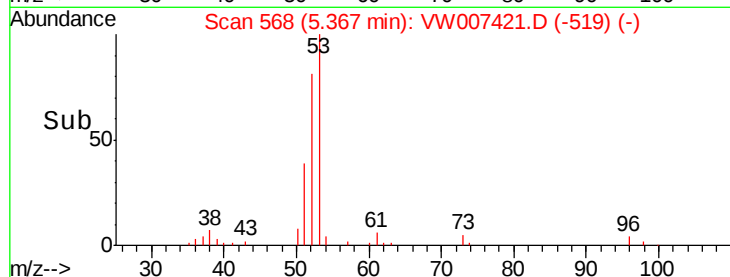
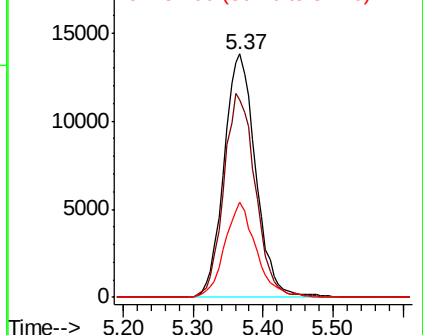
53 100

52 83.4 67.4 101.2

51 38.5 30.2 45.2



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: 299.448 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007421.D

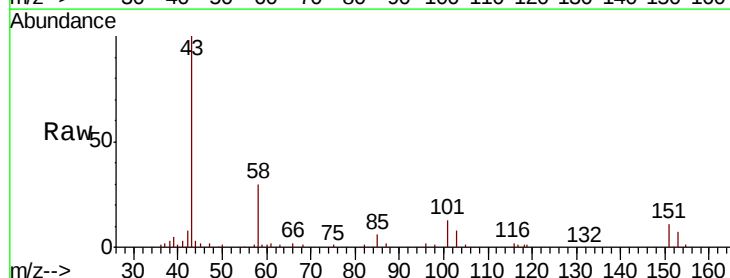
Acq: 12 Dec 2018 04:22

Tgt Ion: 43 Resp: 46662

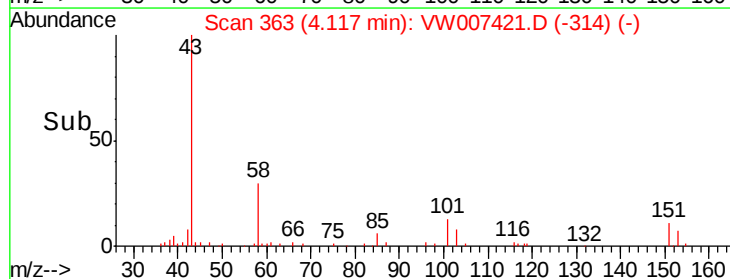
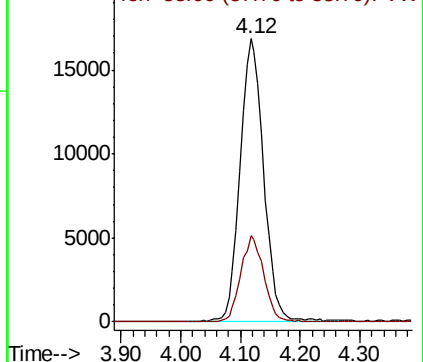
Ion Ratio Lower Upper

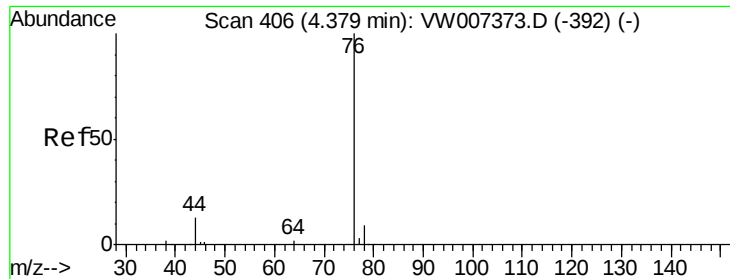
43 100

58 30.3 24.9 37.3



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

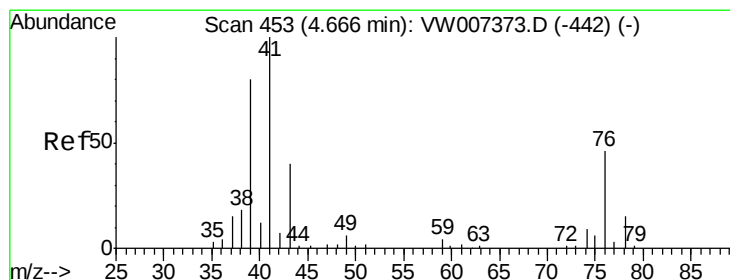
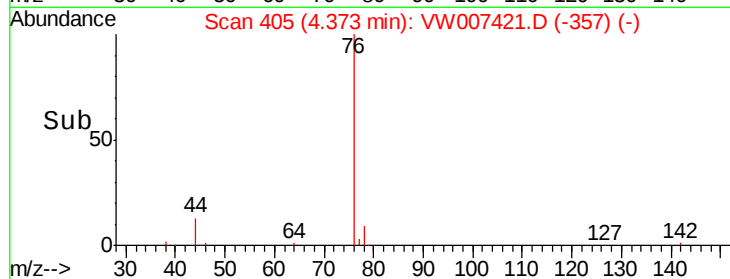
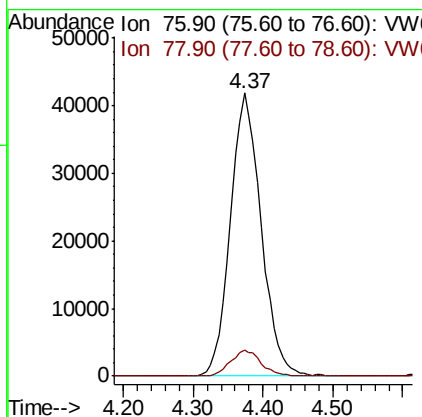
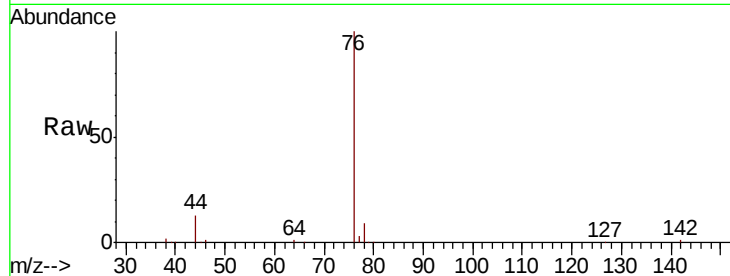




#17
Carbon Disulfide
Concen: 53.426 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

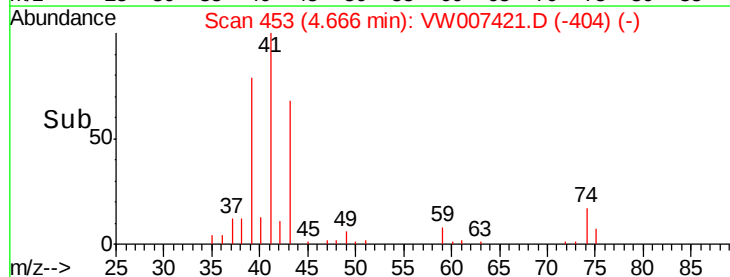
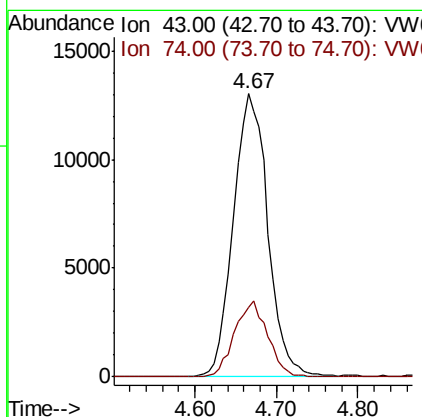
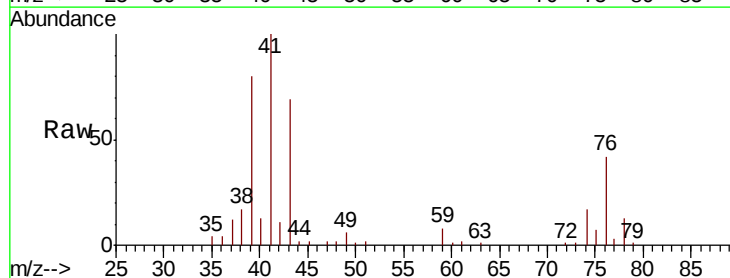
Instrument :
MSVOA_W
ClientSampleId :
BFB

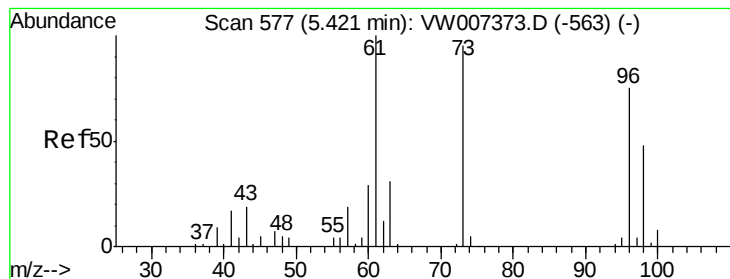
Tgt Ion: 76 Resp: 127783
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 90.207 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

Tgt Ion: 43 Resp: 38151
Ion Ratio Lower Upper
43 100
74 25.7 21.1 31.7





#19

Methyl tert-butyl Ether

Concen: 53.794 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA_W

ClientSampleId :

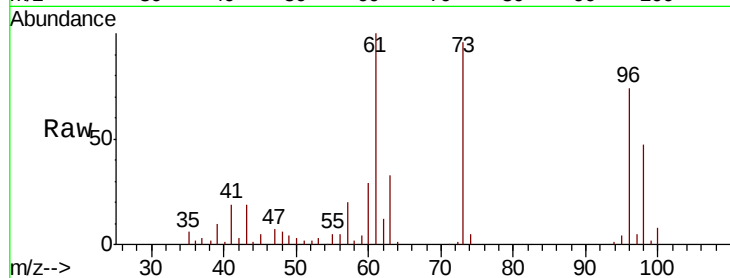
BFB

Tgt Ion: 73 Resp: 64015

Ion Ratio Lower Upper

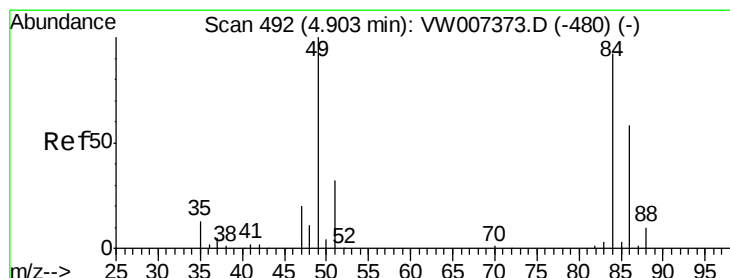
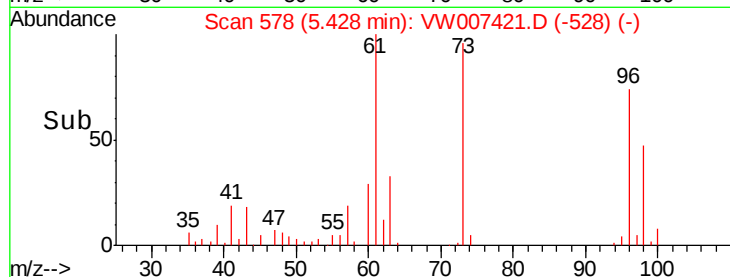
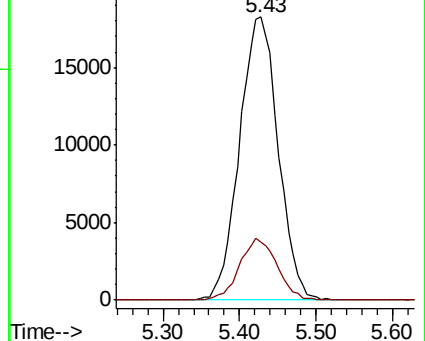
73 100

57 20.5 16.4 24.6



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW



#20

Methylene Chloride

Concen: 61.834 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Tgt Ion: 84 Resp: 51901

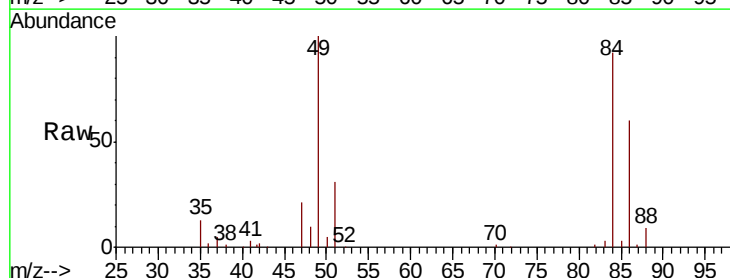
Ion Ratio Lower Upper

84 100

49 108.2 87.1 130.7

51 33.3 28.2 42.2

86 64.4 50.8 76.2

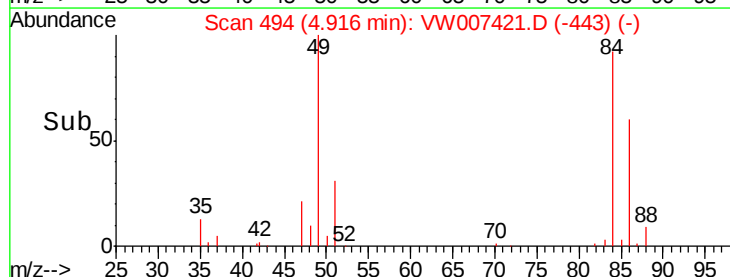
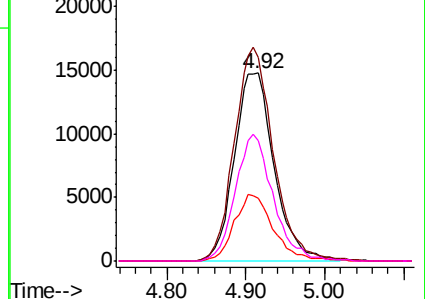


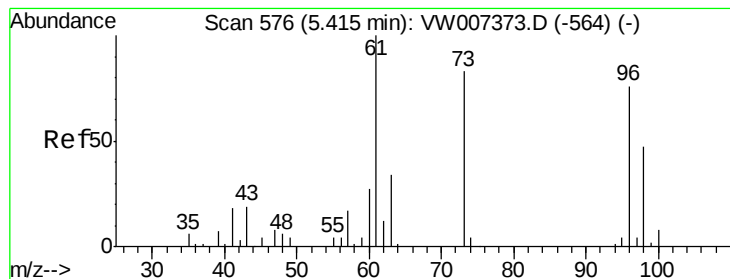
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#21

trans-1,2-Dichloroethene

Concen: 51.775 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA_W

ClientSampleId :

BFB

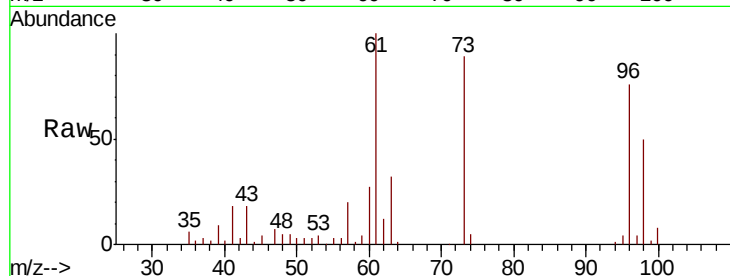
Tgt Ion: 96 Resp: 45688

Ion Ratio Lower Upper

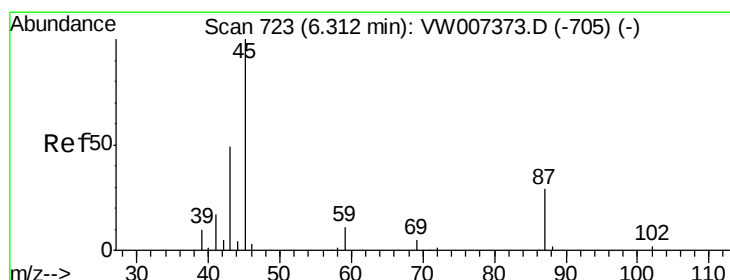
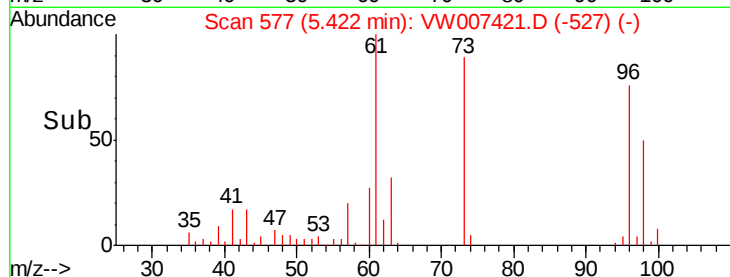
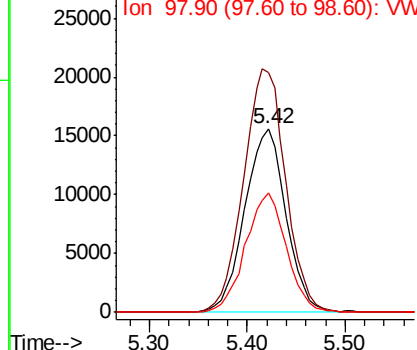
96 100

61 130.8 105.0 157.6

98 65.1 49.7 74.5



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: 52.159 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Tgt Ion: 45 Resp: 116574

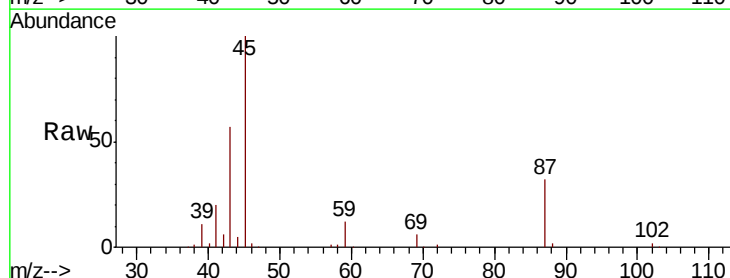
Ion Ratio Lower Upper

45 100

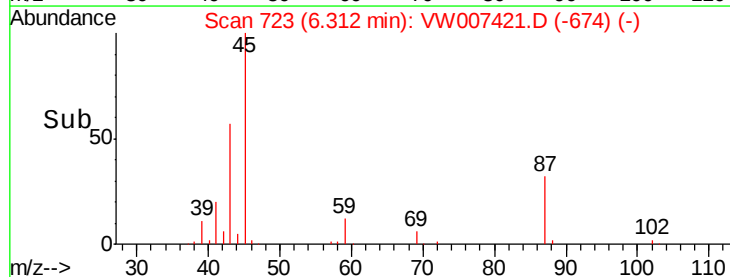
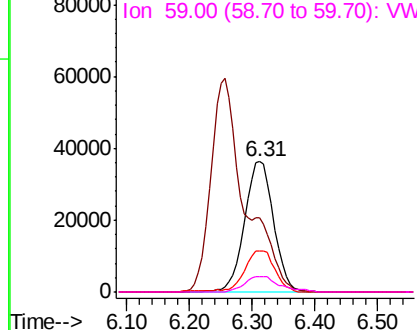
43 56.4 41.6 62.4

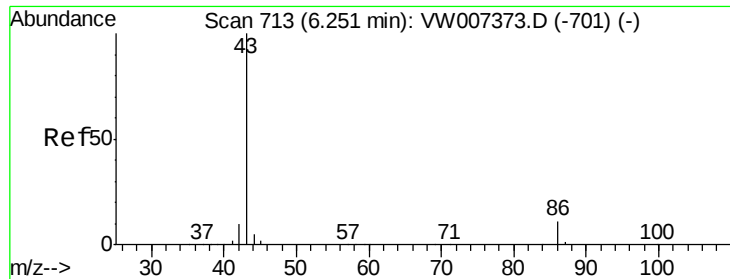
87 31.6 24.3 36.5

59 11.9 9.4 14.0



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

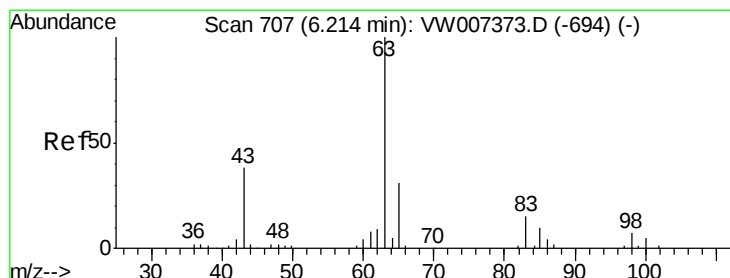
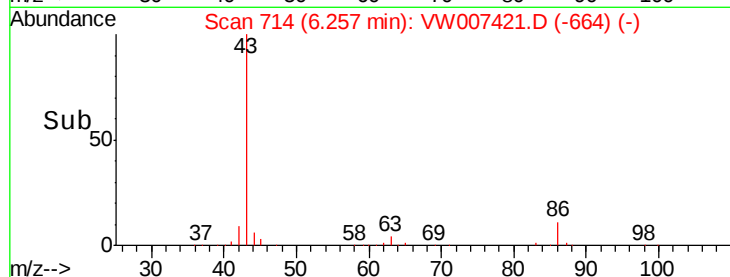
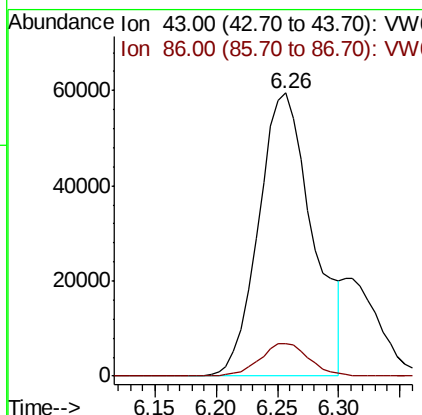
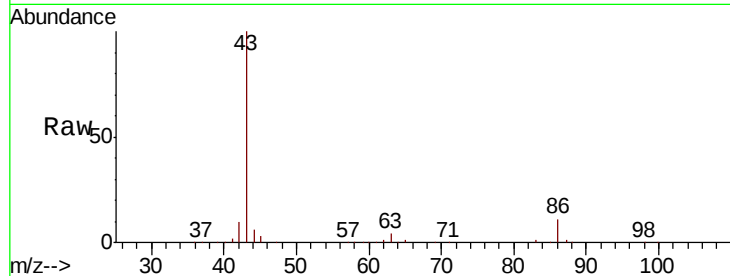




#23
 Vinyl Acetate
 Concen: 145.970 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

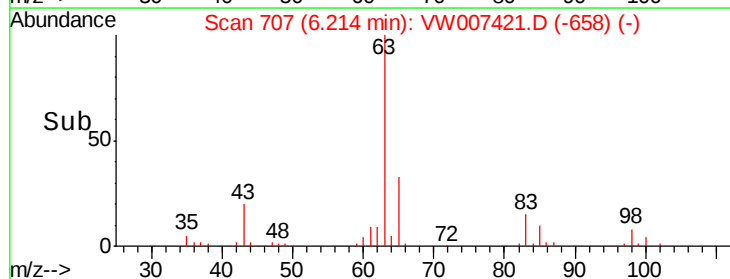
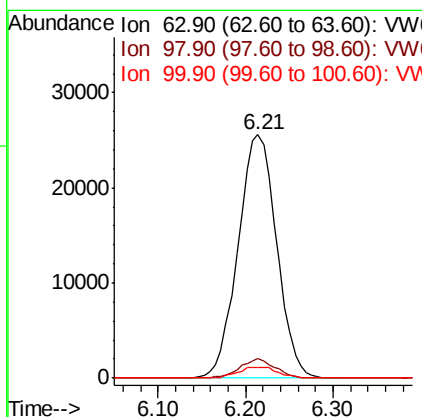
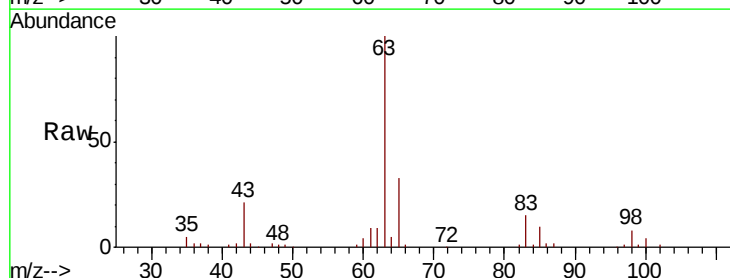
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

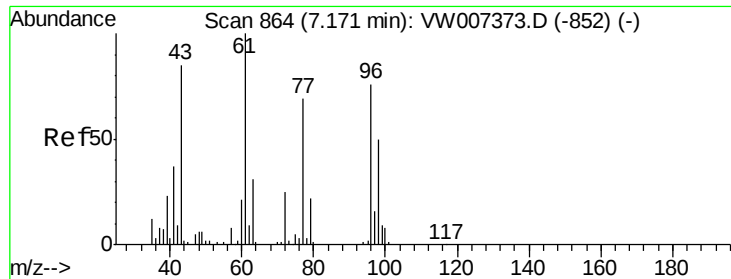
Tgt Ion: 43 Resp: 182476
 Ion Ratio Lower Upper
 43 100
 86 11.4 8.6 12.8



#24
 1,1-Dichloroethane
 Concen: 51.861 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

Tgt Ion: 63 Resp: 78338
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.5 10.4
 100 4.5 2.5 7.5





#25

2-Butanone

Concen: 269.717 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA_W

ClientSampleId :

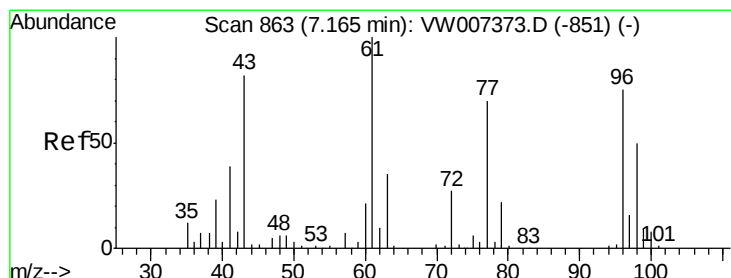
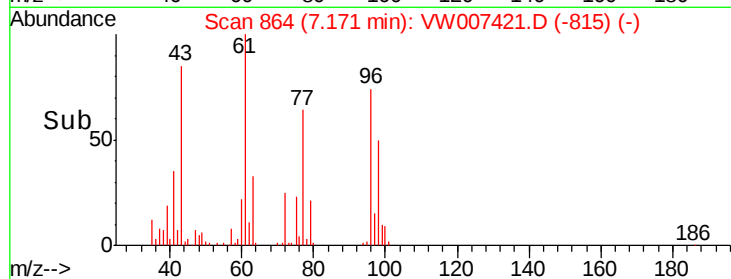
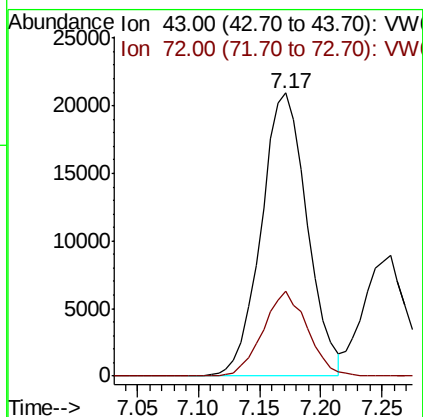
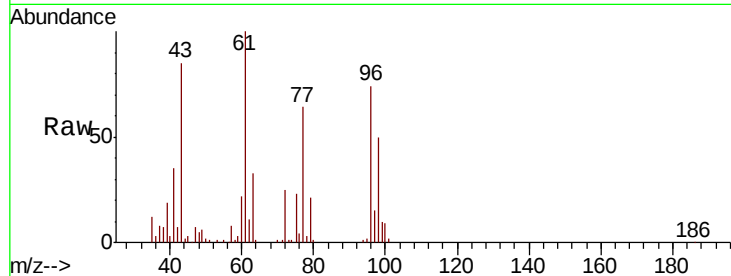
BFB

Tgt Ion: 43 Resp: 54869

Ion Ratio Lower Upper

43 100

72 29.8 23.4 35.2



#26

2,2-Dichloropropane

Concen: 50.279 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW007421.D

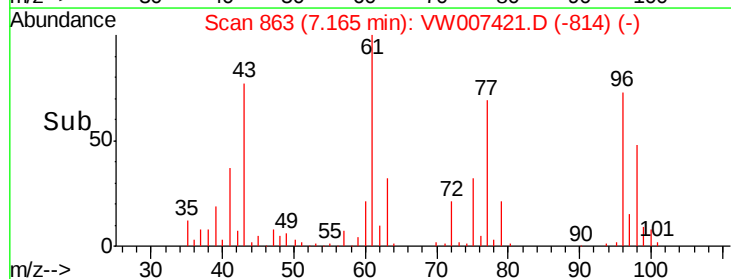
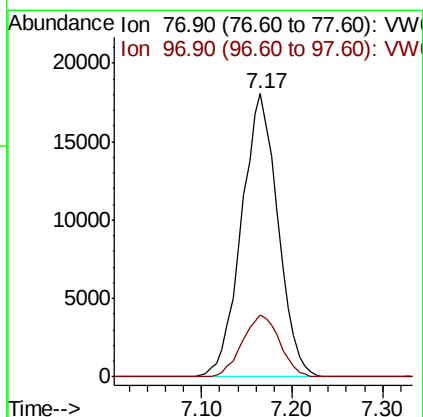
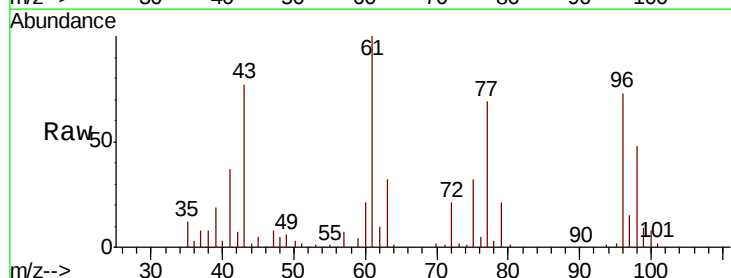
Acq: 12 Dec 2018 04:22

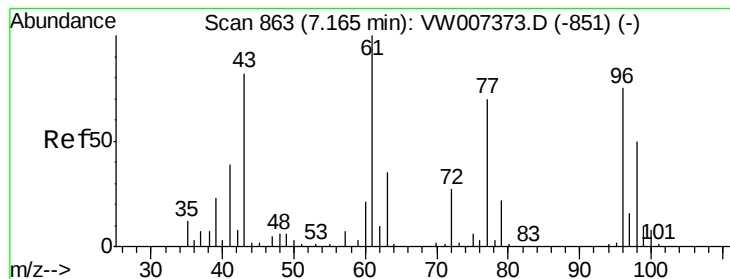
Tgt Ion: 77 Resp: 50264

Ion Ratio Lower Upper

77 100

97 22.3 11.6 34.8



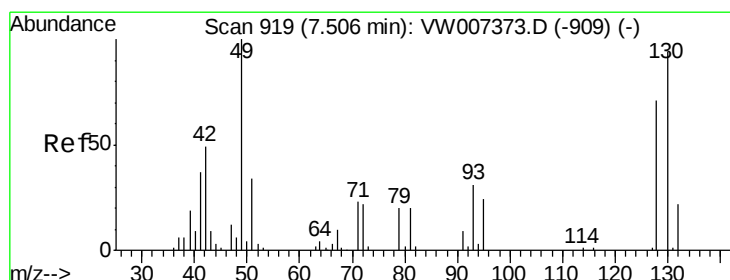
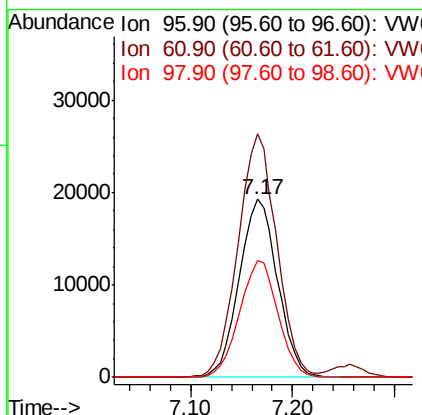
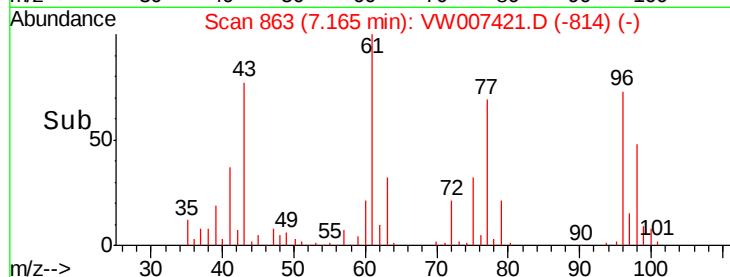
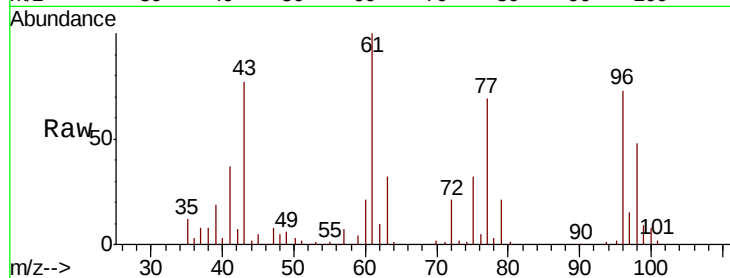


#27

cis-1,2-Dichloroethene
Concen: 51.978 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

Instrument :
MSVOA_W
ClientSampleId :
BFB

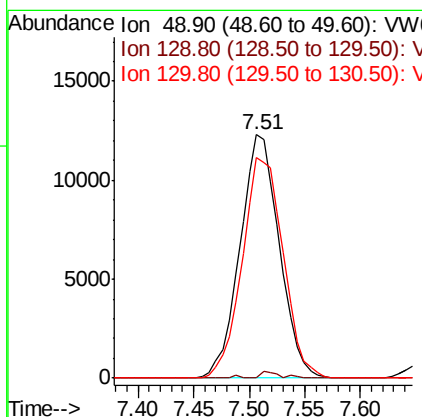
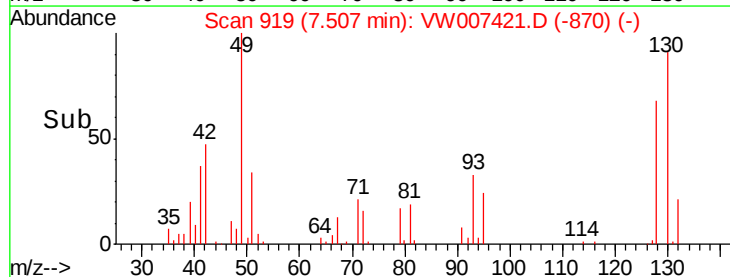
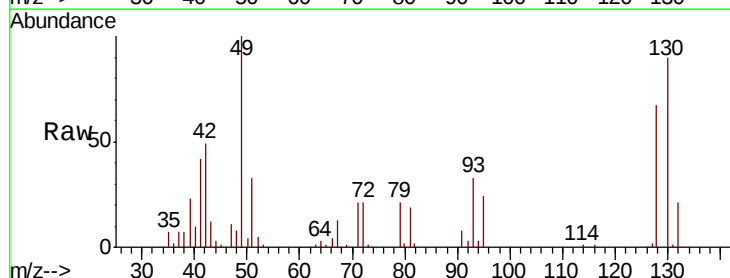
Tgt Ion: 96 Resp: 50222
Ion Ratio Lower Upper
96 100
61 138.6 0.0 268.4
98 65.8 0.0 127.8

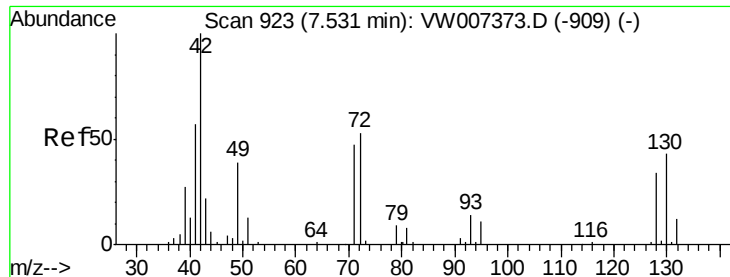


#28

Bromochloromethane
Concen: 53.049 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

Tgt Ion: 49 Resp: 30141
Ion Ratio Lower Upper
49 100
129 1.3 0.0 2.6
130 94.4 75.9 113.9

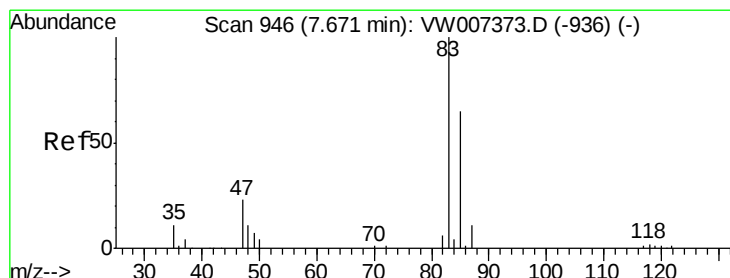
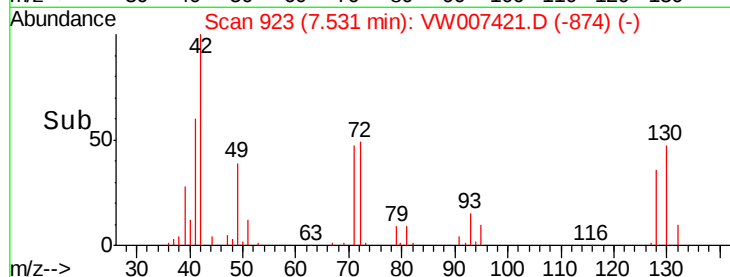
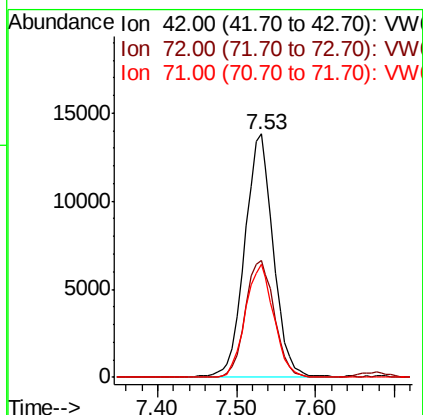
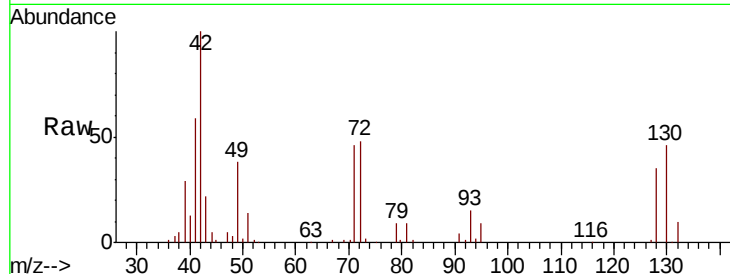




#29
Tetrahydrofuran
Concen: 269.633 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

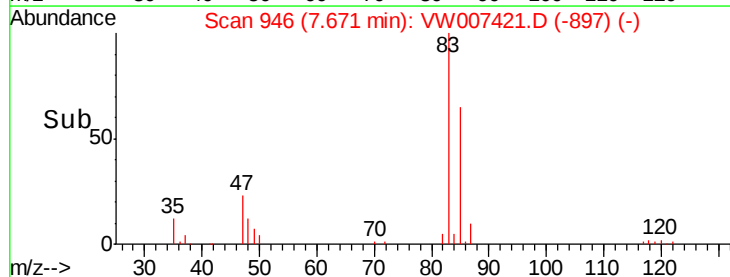
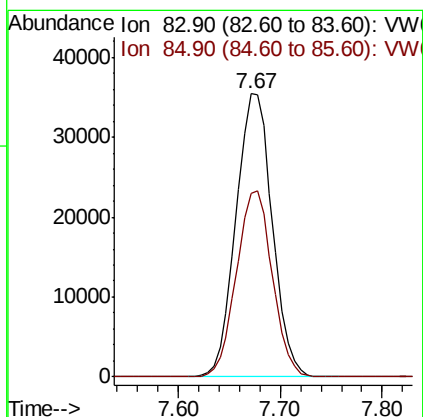
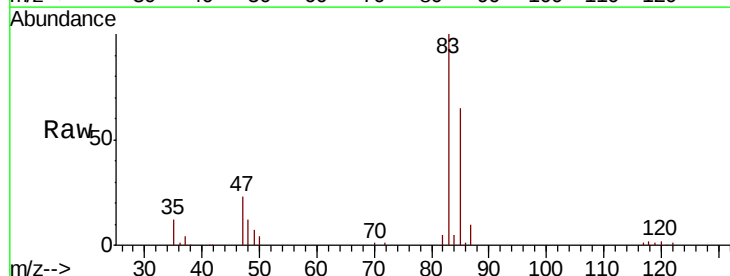
Instrument :
MSVOA_W
ClientSampled :
BFB

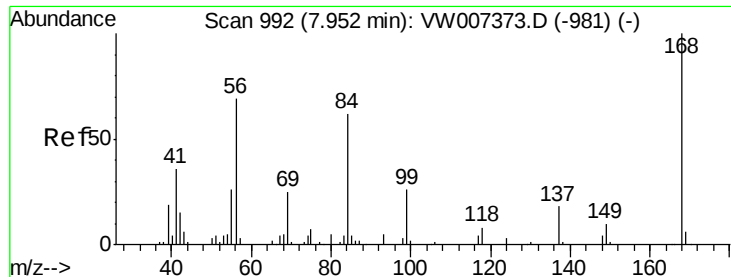
Tgt Ion: 42 Resp: 34725
Ion Ratio Lower Upper
42 100
72 48.7 38.2 57.4
71 46.2 35.5 53.3



#30
Chloroform
Concen: 53.302 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

Tgt Ion: 83 Resp: 87618
Ion Ratio Lower Upper
83 100
85 65.0 51.8 77.8

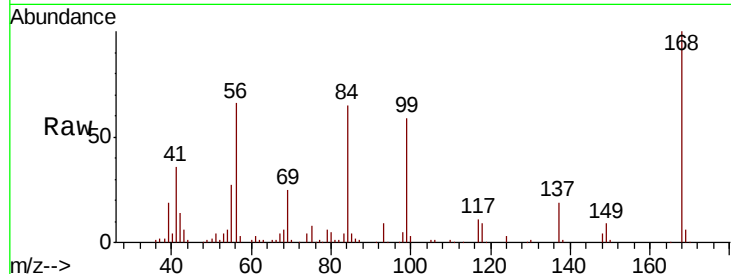




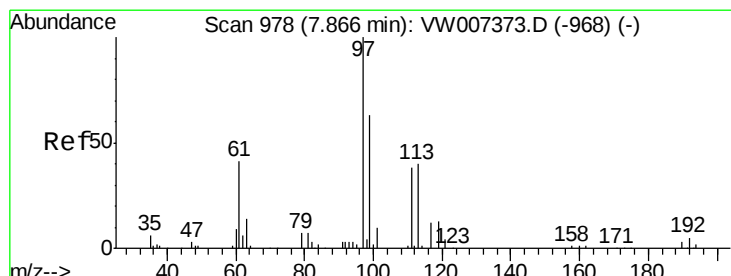
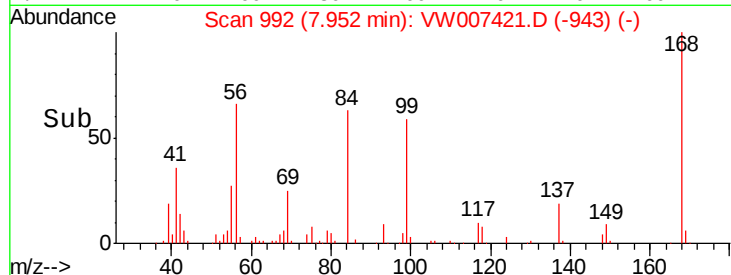
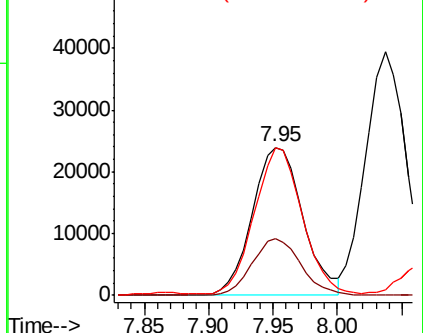
#31
Cyclohexane
Concen: 47.017 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

Instrument :
MSVOA_W
ClientSampled :
BFB

Tgt Ion: 56 Resp: 65160
Ion Ratio Lower Upper
56 100
69 38.4 28.9 43.3
84 98.0 71.8 107.6

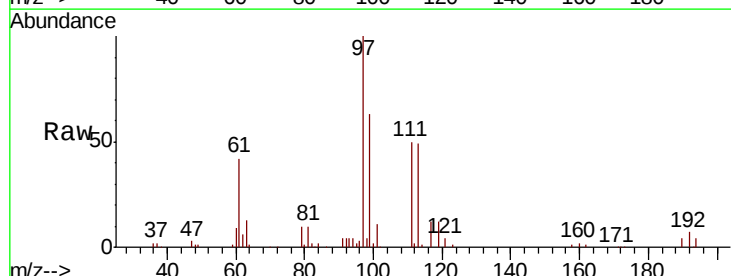


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

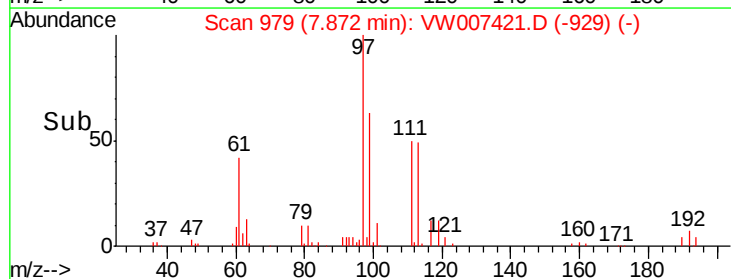
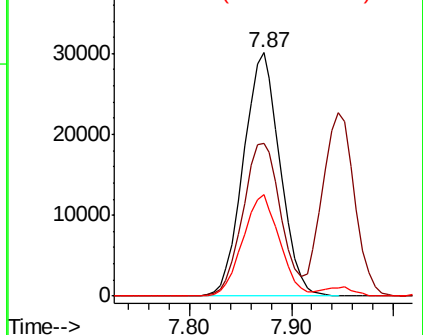


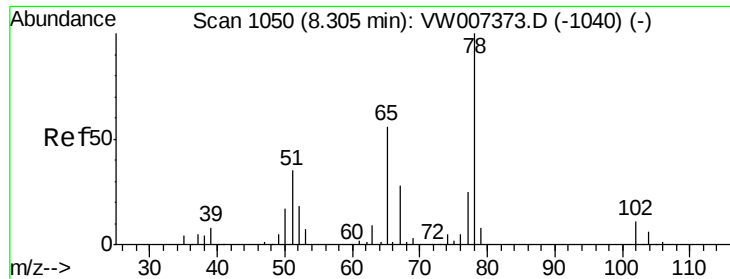
#32
1,1,1-Trichloroethane
Concen: 52.144 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

Tgt Ion: 97 Resp: 75166
Ion Ratio Lower Upper
97 100
99 64.9 51.1 76.7
61 41.8 33.2 49.8



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

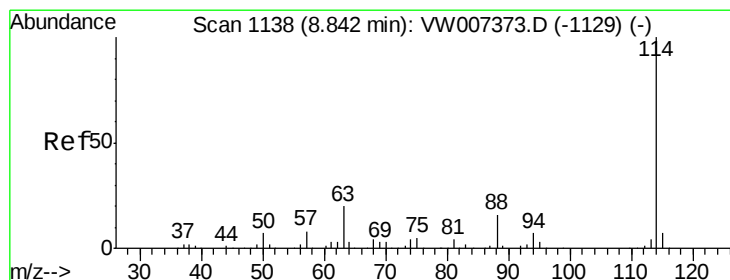
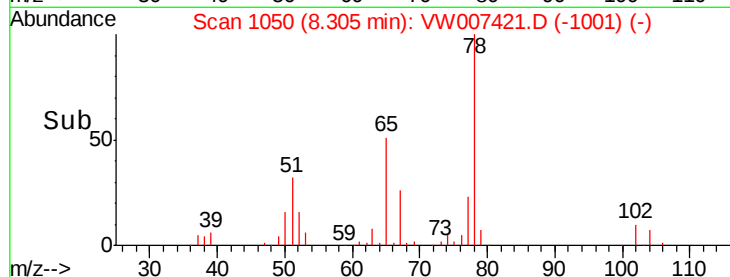
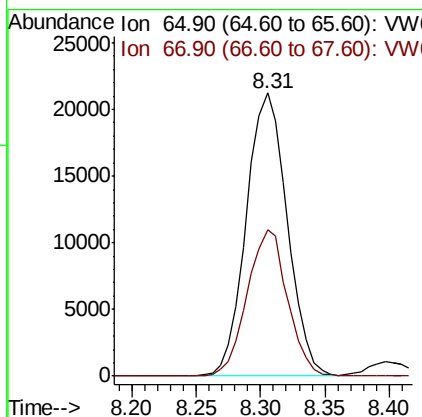
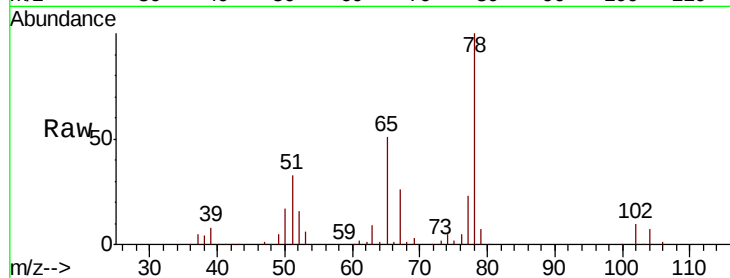




#33
 1,2-Dichloroethane-d4
 Concen: 52.399 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

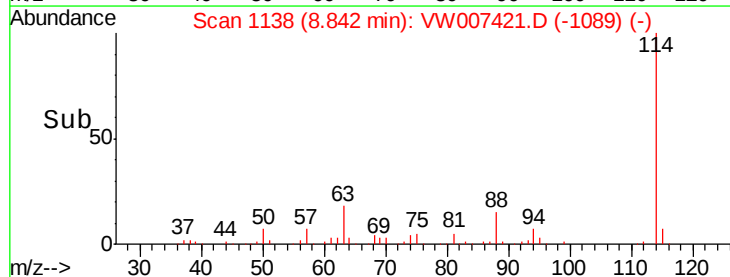
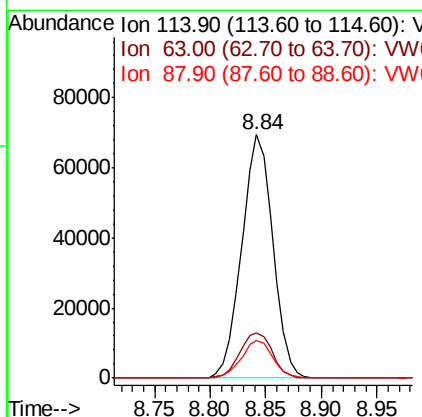
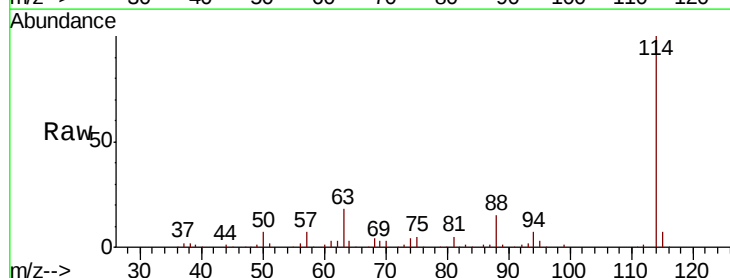
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

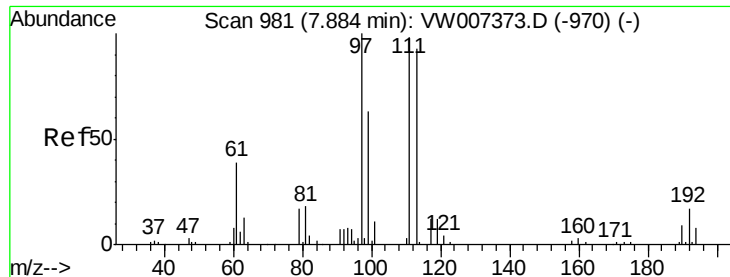
Tgt Ion: 65 Resp: 46746
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

Tgt Ion: 114 Resp: 134894
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.6
 88 15.4 0.0 31.4

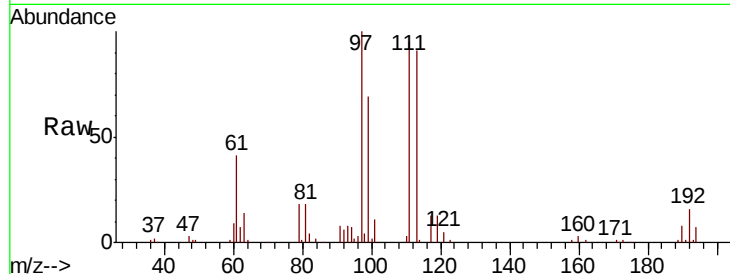




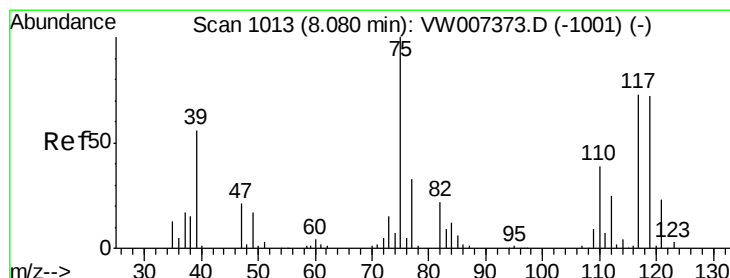
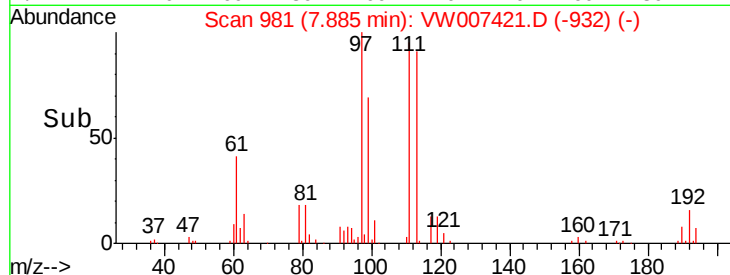
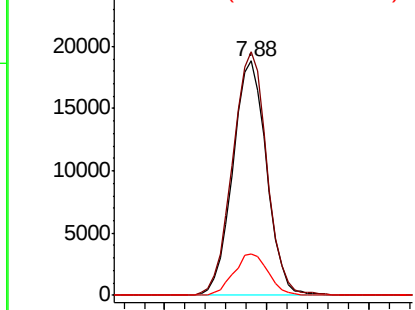
#35
 Dibromofluoromethane
 Concen: 52.947 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

Instrument :
 MSVOA_W
 ClientSampled :
 BFB

Tgt Ion: 113 Resp: 43235
 Ion Ratio Lower Upper
 113 100
 111 105.2 81.1 121.7
 192 18.1 14.6 21.8

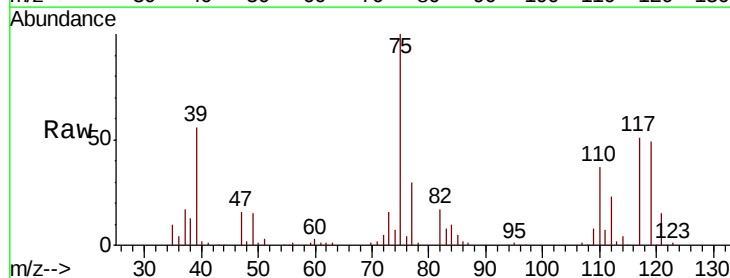


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

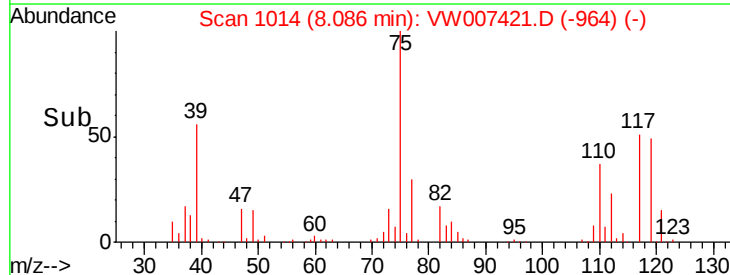
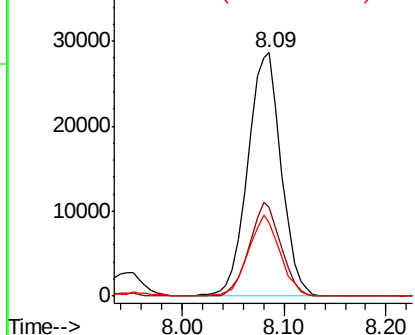


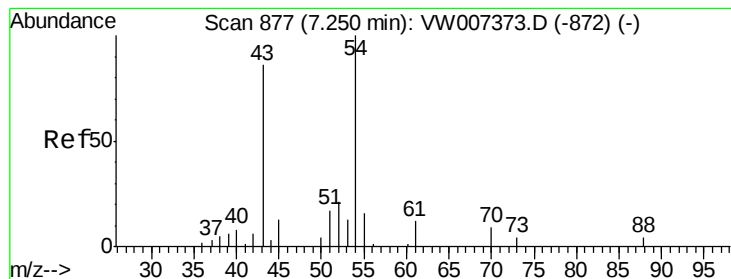
#36
 1,1-Dichloropropene
 Concen: 53.160 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

Tgt Ion: 75 Resp: 65416
 Ion Ratio Lower Upper
 75 100
 110 36.3 18.5 55.5
 77 31.5 25.6 38.4



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: 50.047 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.01 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA_W

ClientSampled :

BFB

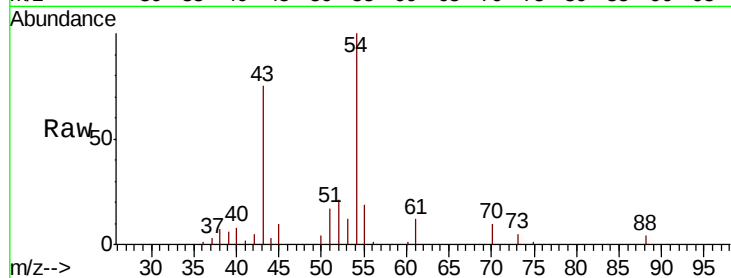
Tgt Ion: 43 Resp: 22906

Ion Ratio Lower Upper

43 100

61 13.3 12.1 18.1

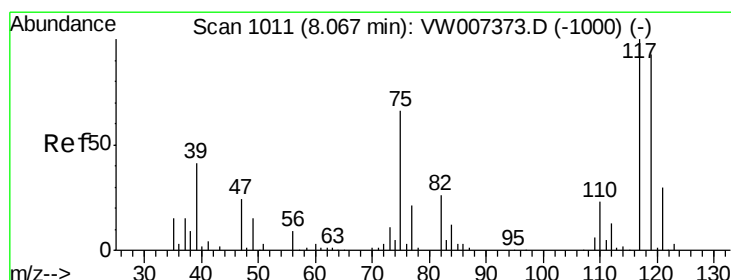
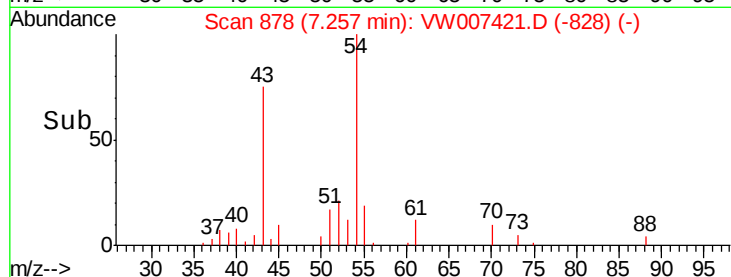
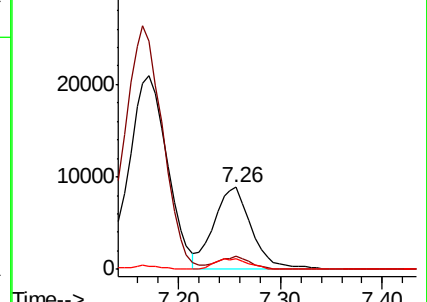
70 11.9 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 54.103 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

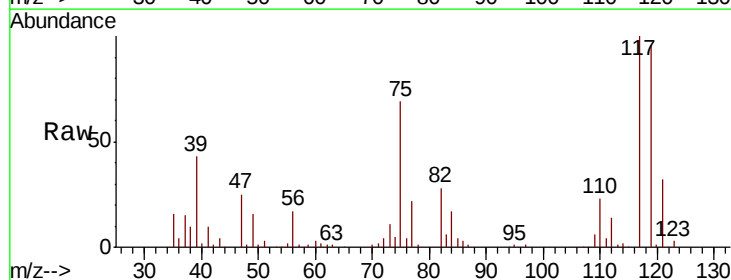
Tgt Ion: 117 Resp: 72440

Ion Ratio Lower Upper

117 100

119 96.3 74.3 111.5

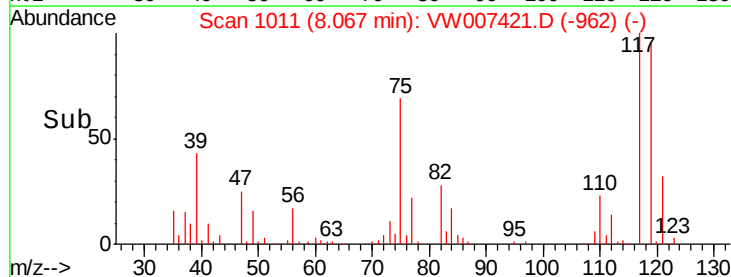
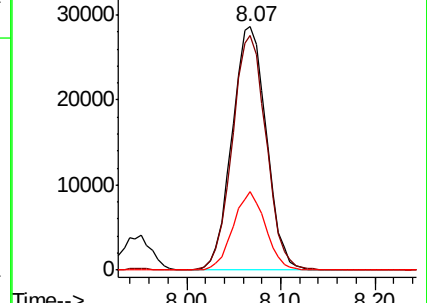
121 32.4 24.3 36.5

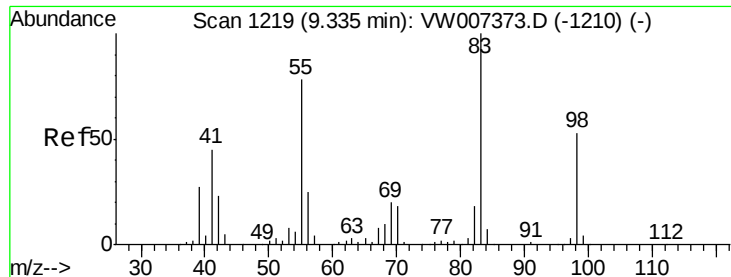


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

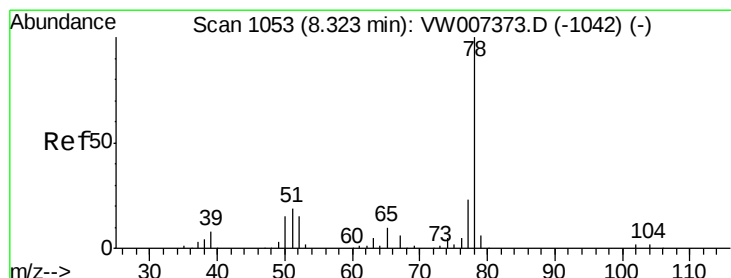
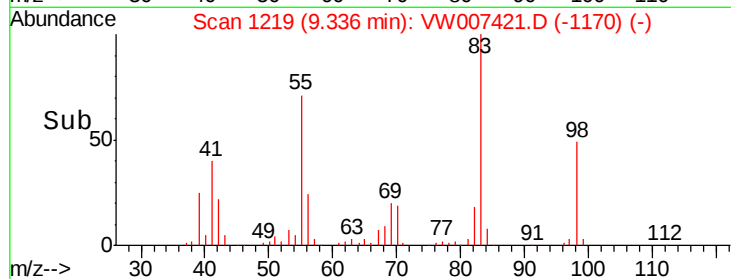
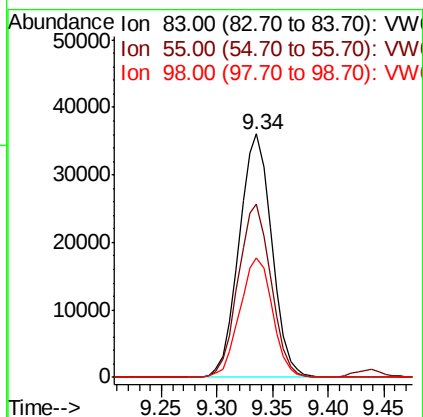
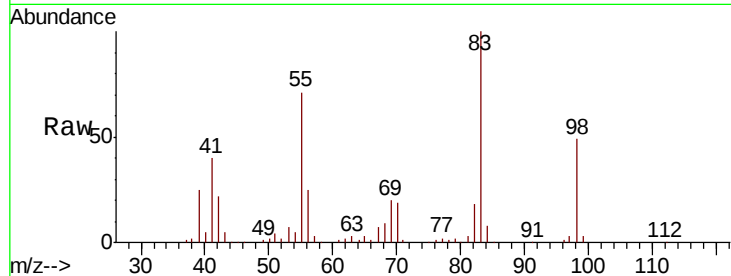




#39
Methylcyclohexane
Concen: 49.374 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

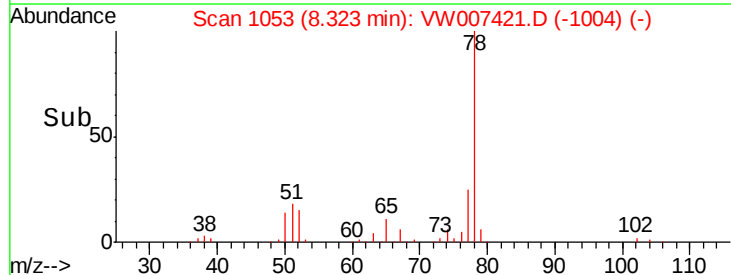
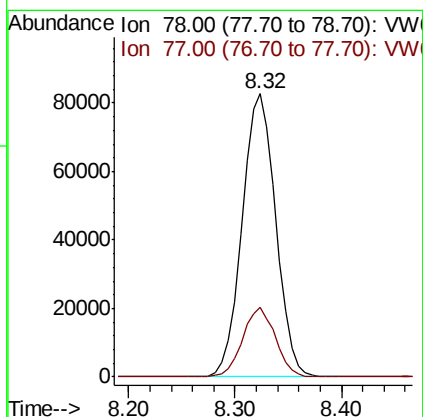
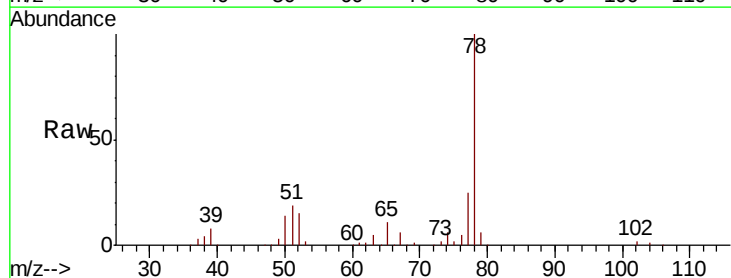
Instrument :
MSVOA_W
ClientSampled :
BFB

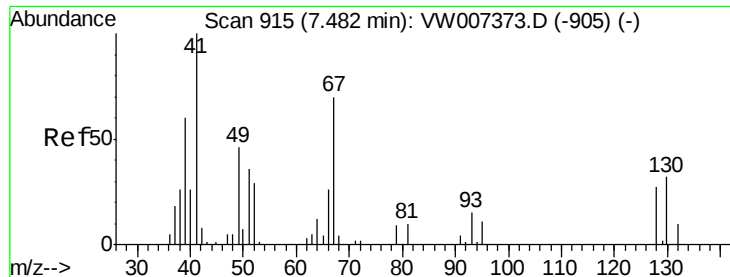
Tgt Ion: 83 Resp: 73570
Ion Ratio Lower Upper
83 100
55 71.1 62.8 94.2
98 49.1 42.2 63.2



#40
Benzene
Concen: 53.541 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

Tgt Ion: 78 Resp: 182844
Ion Ratio Lower Upper
78 100
77 24.7 18.8 28.2

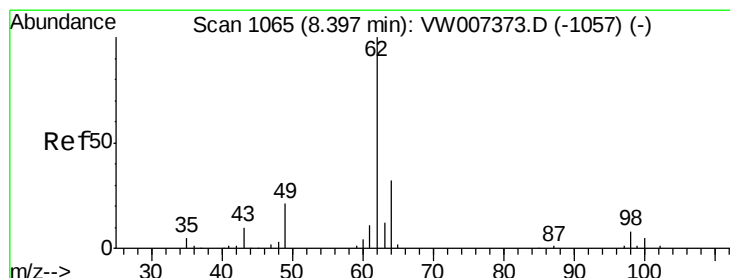
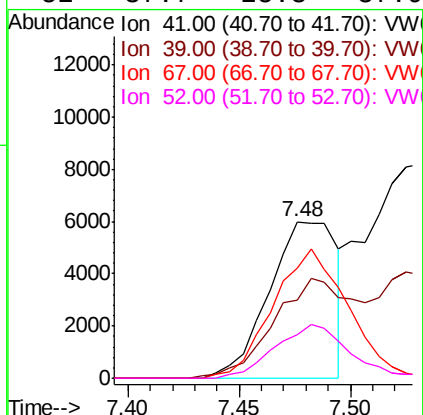
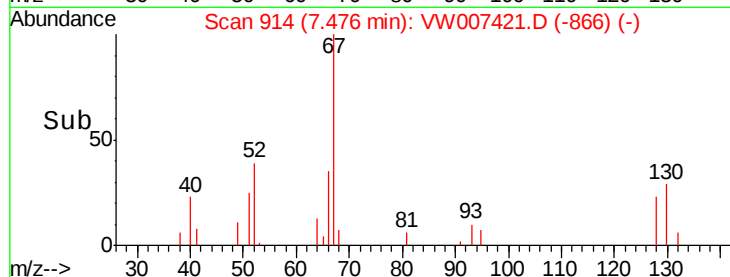
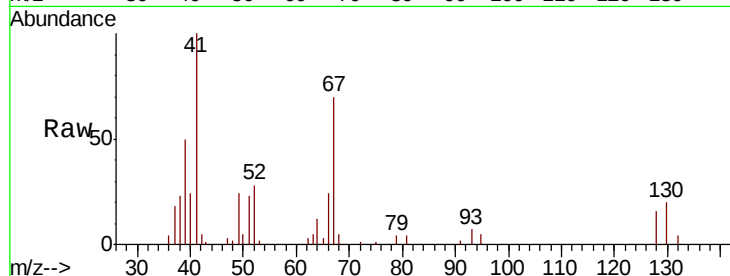




#41
Methacrylonitrile
Concen: 48.770 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

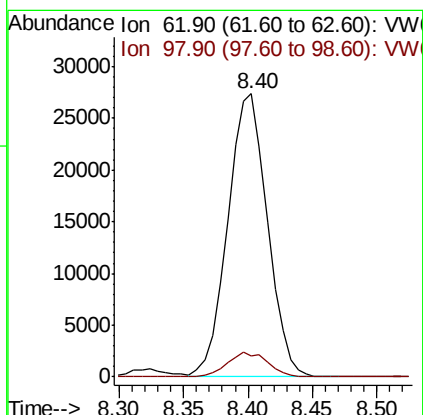
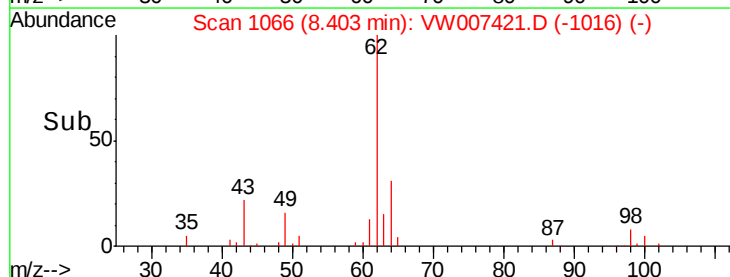
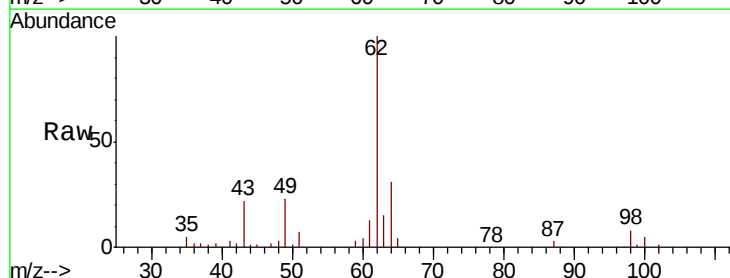
Instrument :
MSVOA_W
ClientSampled :
BFB

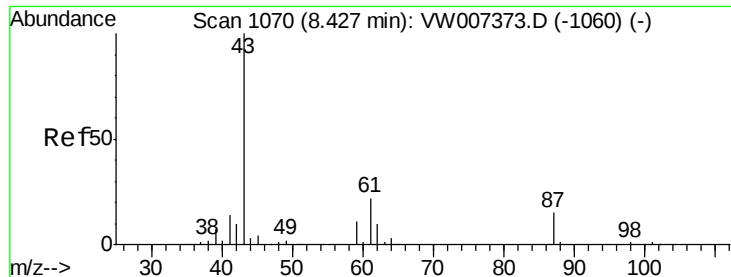
Tgt Ion: 41 Resp: 12711
Ion Ratio Lower Upper
41 100
39 76.9 52.2 78.2
67 90.6 60.5 90.7
52 37.7 25.3 37.9



#42
1,2-Dichloroethane
Concen: 54.661 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

Tgt Ion: 62 Resp: 58637
Ion Ratio Lower Upper
62 100
98 8.8 0.0 17.6





#43

Isopropyl Acetate

Concen: 52.099 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA_W

ClientSampleId :

BFB

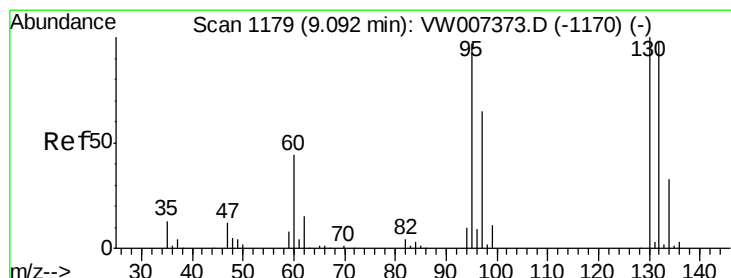
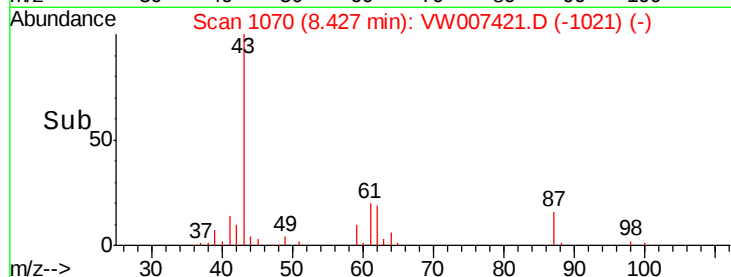
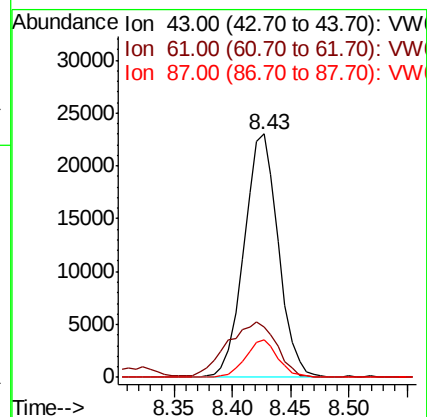
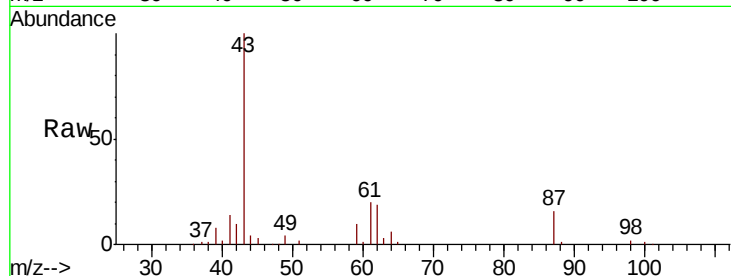
Tgt Ion: 43 Resp: 47101

Ion Ratio Lower Upper

43 100

61 32.3 25.3 37.9

87 14.6 11.8 17.8



#44

Trichloroethene

Concen: 53.156 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007421.D

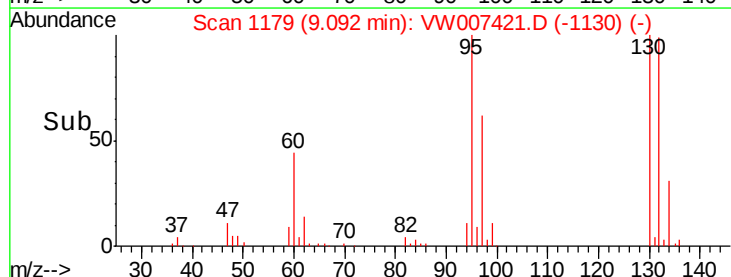
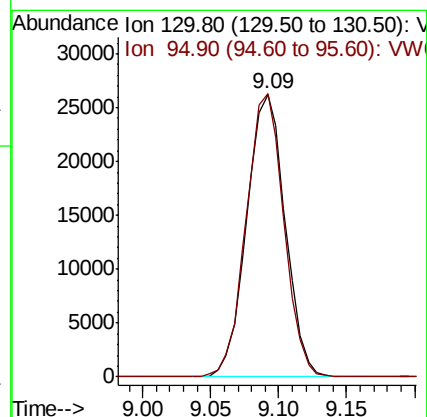
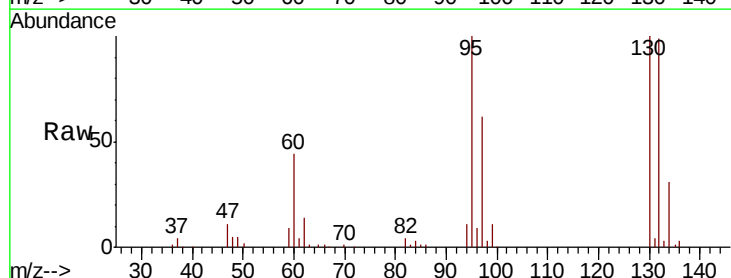
Acq: 12 Dec 2018 04:22

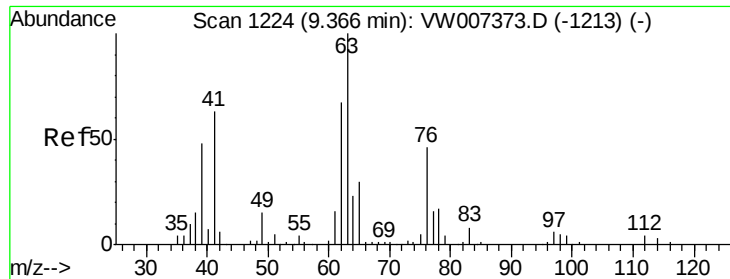
Tgt Ion: 130 Resp: 51837

Ion Ratio Lower Upper

130 100

95 100.3 0.0 193.2

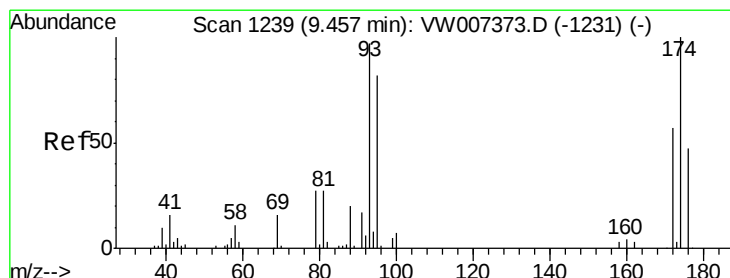
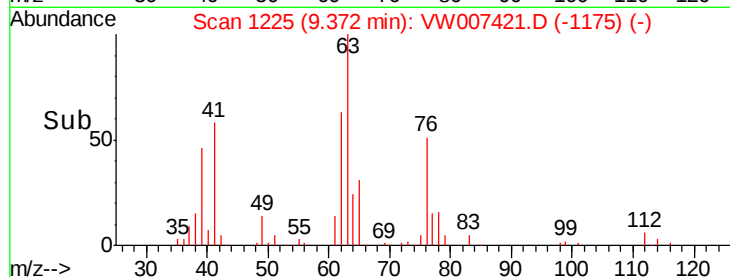
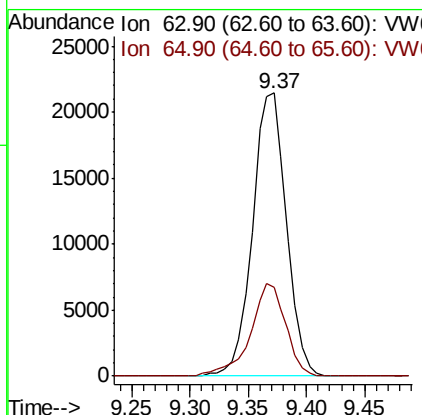
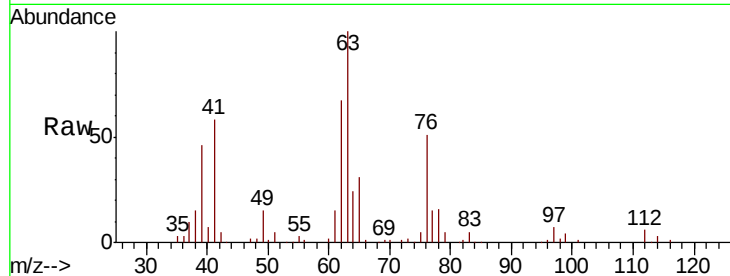




#45
 1,2-Dichloropropane
 Concen: 54.967 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

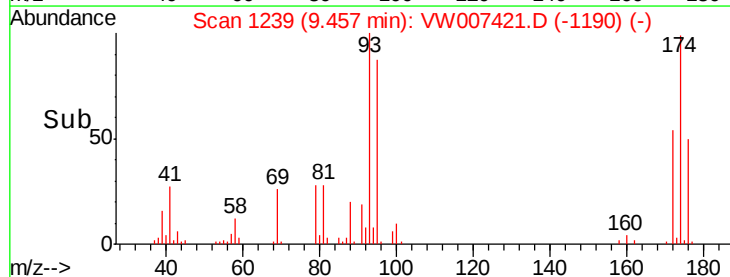
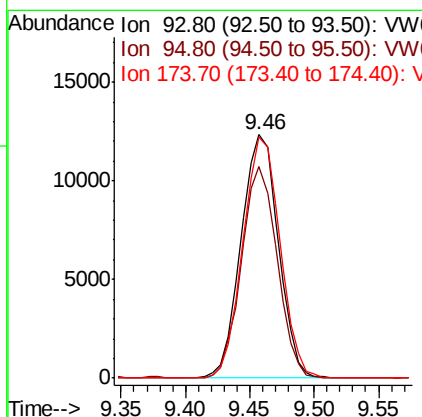
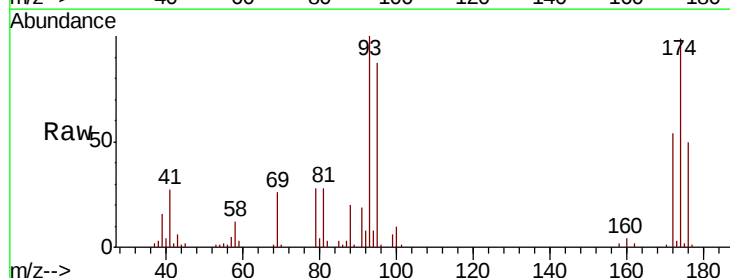
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

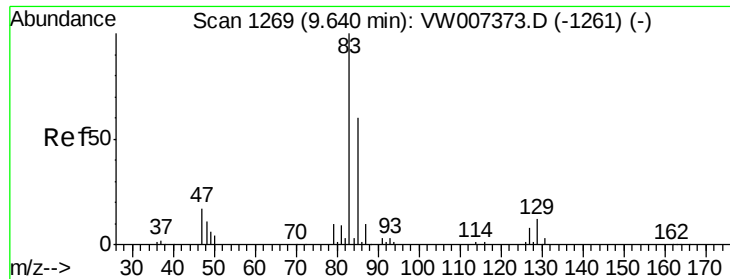
Tgt Ion: 63 Resp: 43439
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.4 36.6



#46
 Dibromomethane
 Concen: 55.062 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

Tgt Ion: 93 Resp: 24711
 Ion Ratio Lower Upper
 93 100
 95 83.1 68.0 102.0
 174 98.4 83.2 124.8





#47

Bromodichloromethane

Concen: 54.667 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA_W

ClientSampleId :

BFB

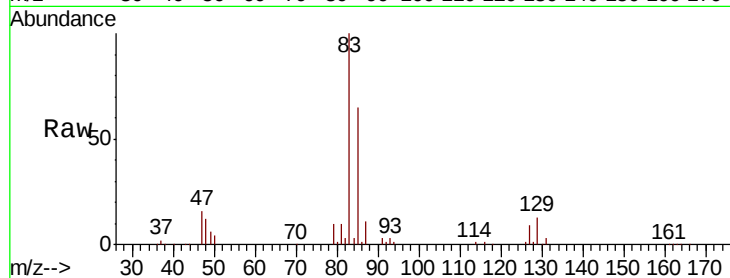
Tgt Ion: 83 Resp: 64352

Ion Ratio Lower Upper

83 100

85 64.6 47.6 71.4

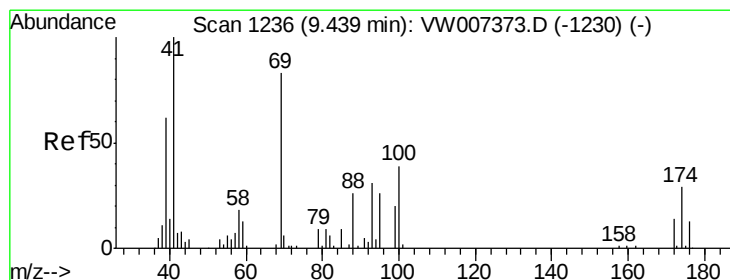
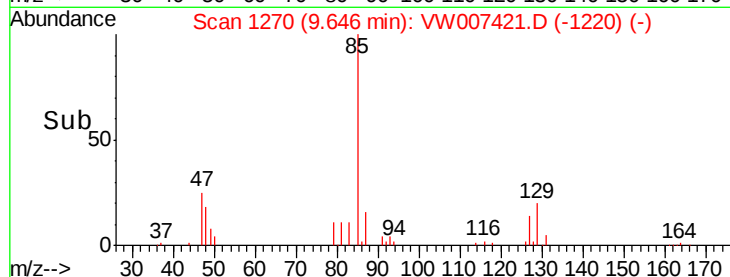
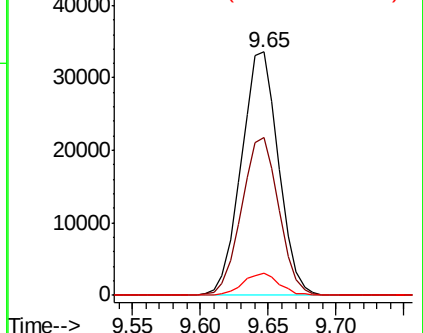
127 9.3 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 54.463 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

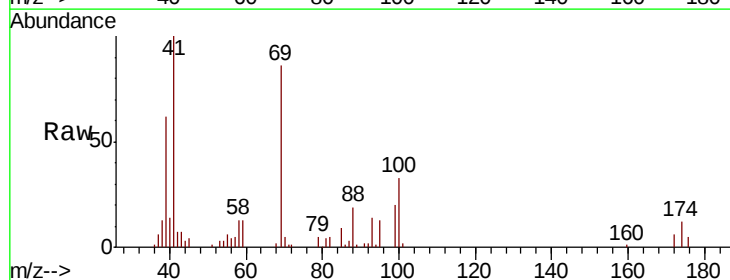
Tgt Ion: 41 Resp: 25288

Ion Ratio Lower Upper

41 100

69 92.7 69.8 104.8

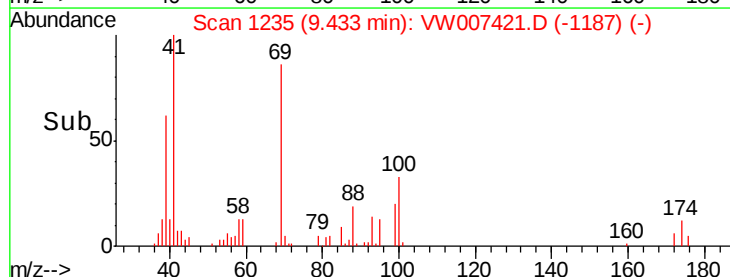
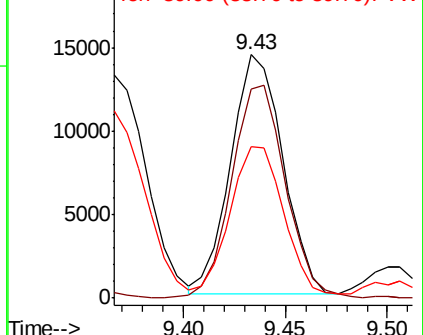
39 67.0 50.9 76.3

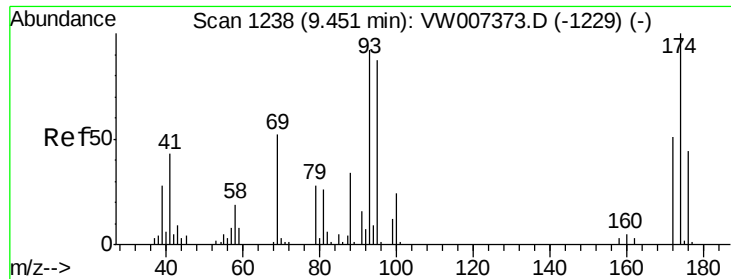


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

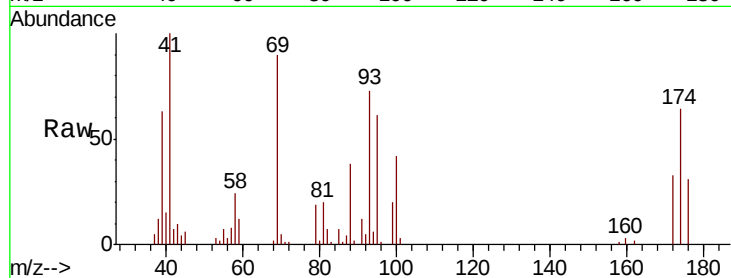




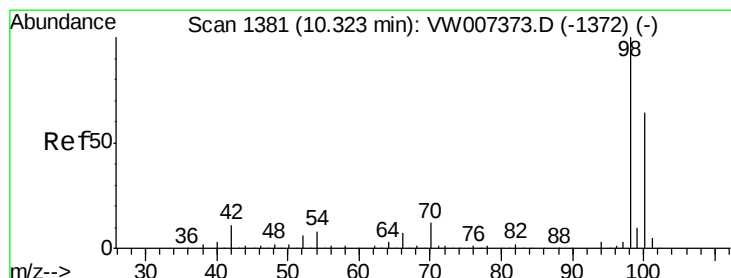
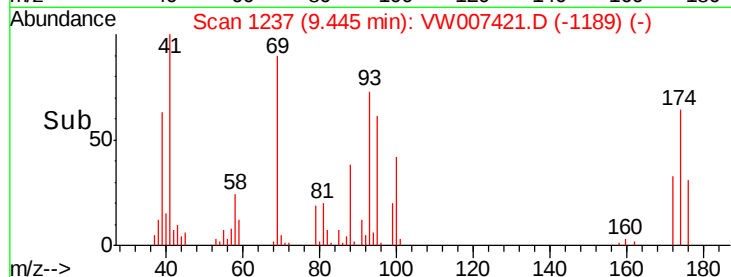
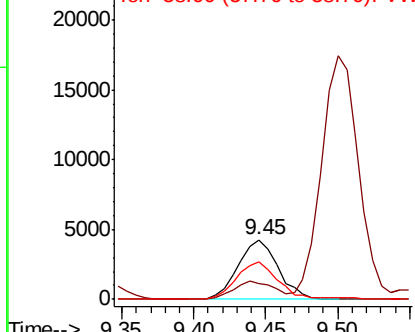
#49
 1,4-Dioxane
 Concen: 1122.388 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tgt Ion: 88 Resp: 8173
 Ion Ratio Lower Upper
 88 100
 43 31.0 25.0 37.4
 58 66.8 51.4 77.2

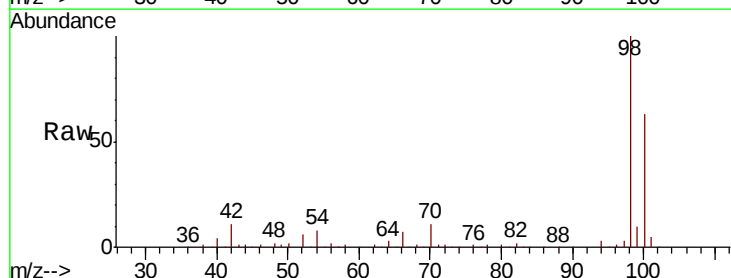


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

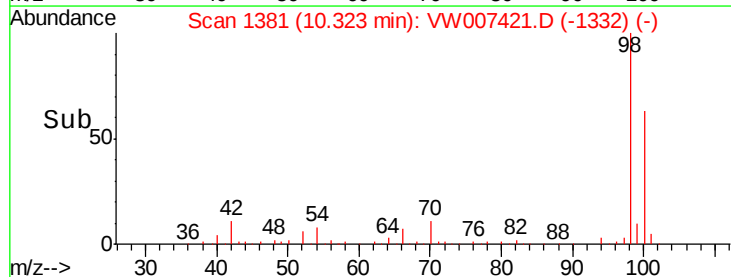
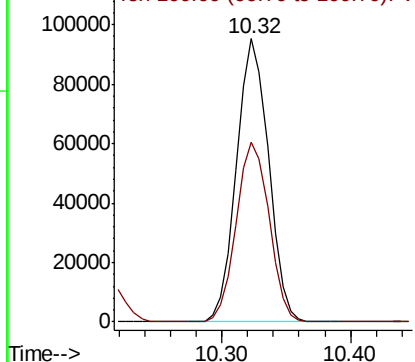


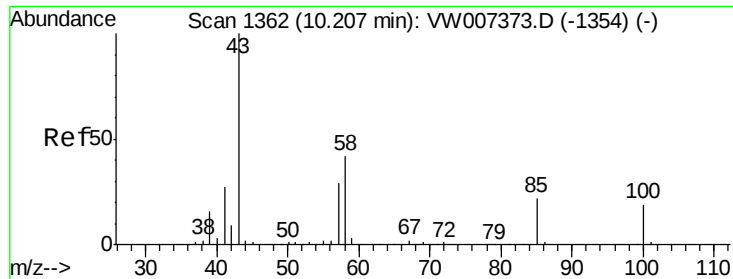
#50
 Toluene-d8
 Concen: 53.696 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

Tgt Ion: 98 Resp: 164400
 Ion Ratio Lower Upper
 98 100
 100 65.2 51.8 77.8



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: 288.064 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA_W

ClientSampled :

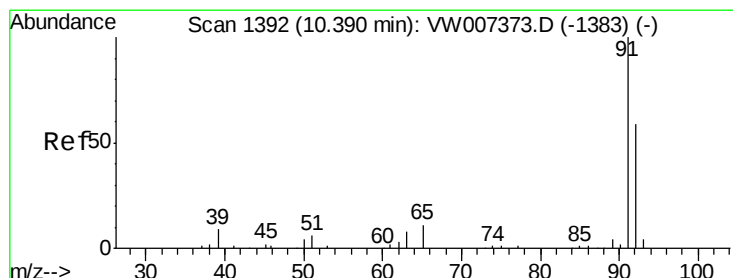
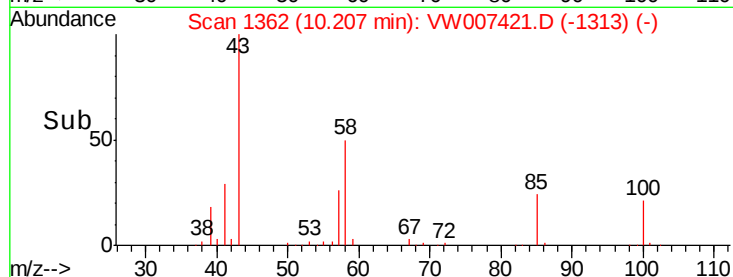
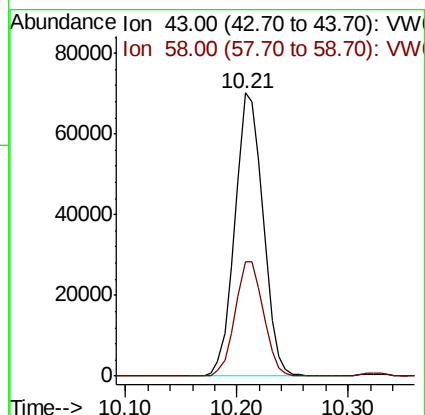
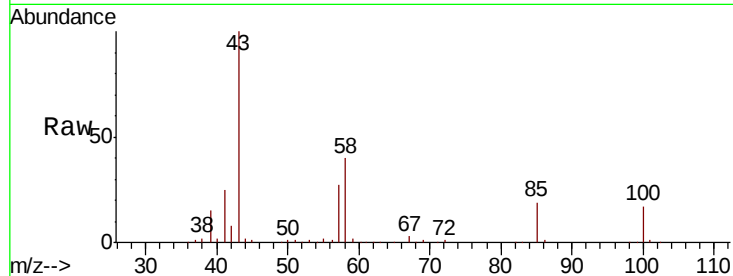
BFB

Tgt Ion: 43 Resp: 123053

Ion Ratio Lower Upper

43 100

58 40.7 33.1 49.7



#52

Toluene

Concen: 54.535 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007421.D

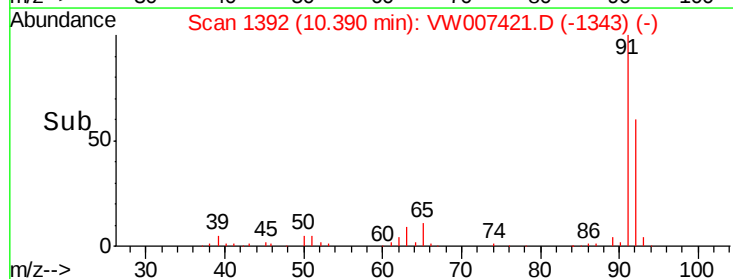
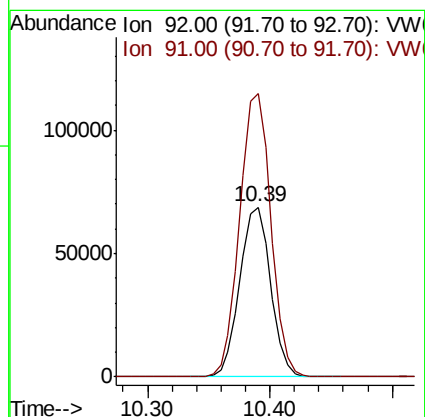
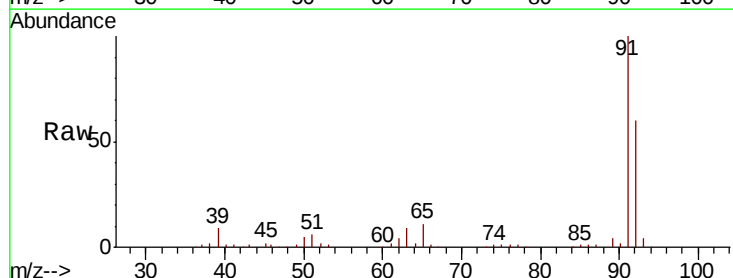
Acq: 12 Dec 2018 04:22

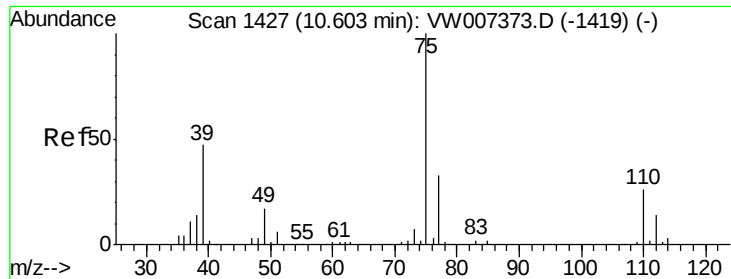
Tgt Ion: 92 Resp: 120523

Ion Ratio Lower Upper

92 100

91 169.1 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 53.678 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA_W

ClientSampled :

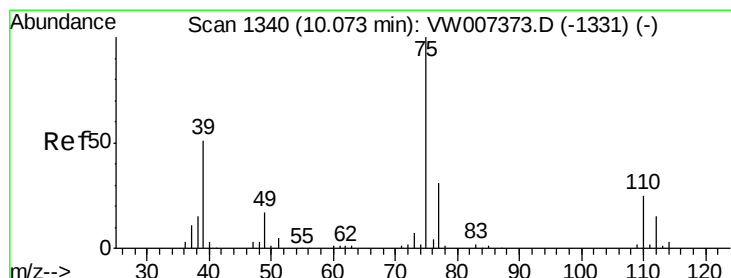
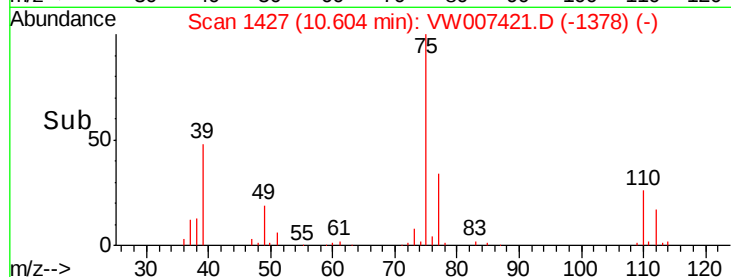
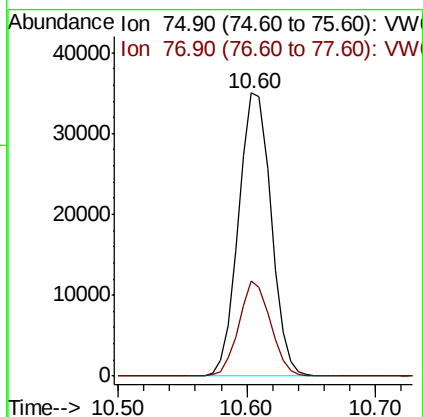
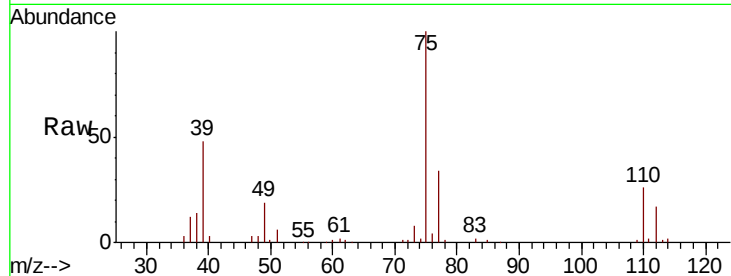
BFB

Tgt Ion: 75 Resp: 61344

Ion Ratio Lower Upper

75 100

77 33.5 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 52.906 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

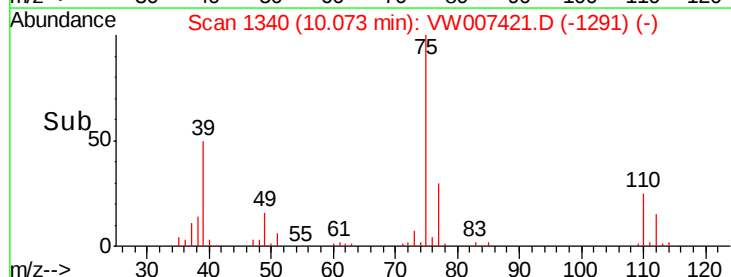
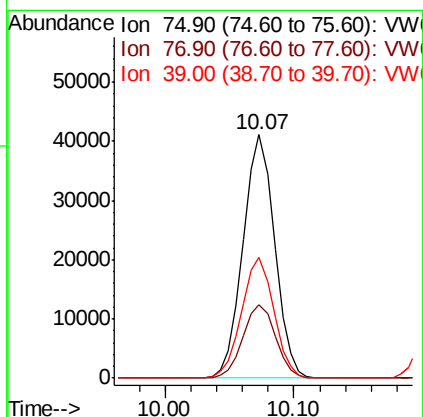
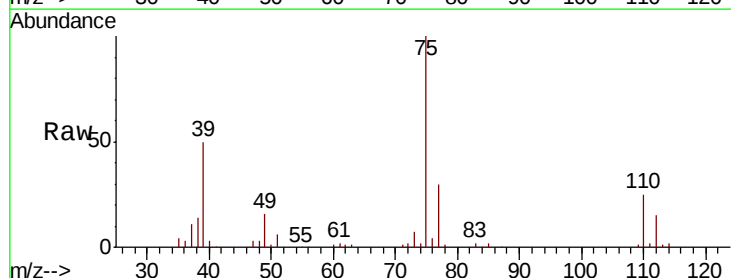
Tgt Ion: 75 Resp: 69895

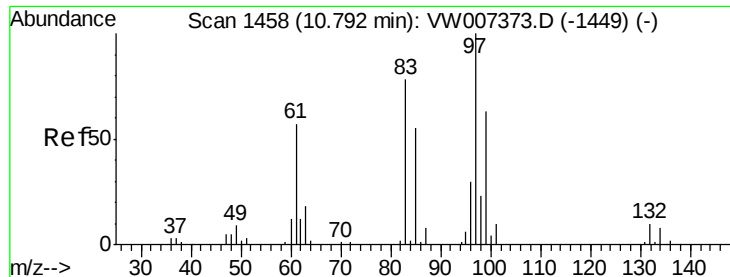
Ion Ratio Lower Upper

75 100

77 30.0 24.8 37.2

39 49.6 40.9 61.3

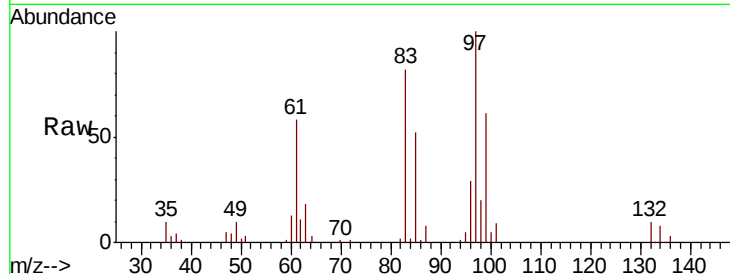




#55
 1,1,2-Trichloroethane
 Concen: 57.126 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tgt Ion:	97	Resp:	34892
Ion	Ratio	Lower	Upper
97	100		
83	81.6	62.1	93.1
85	52.1	44.2	66.4
99	61.5	50.2	75.4



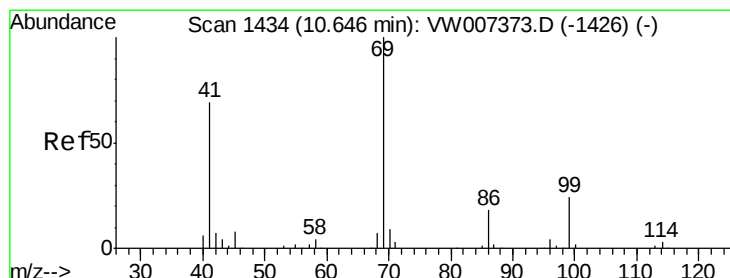
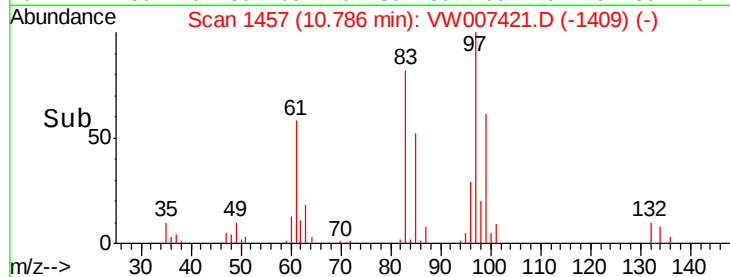
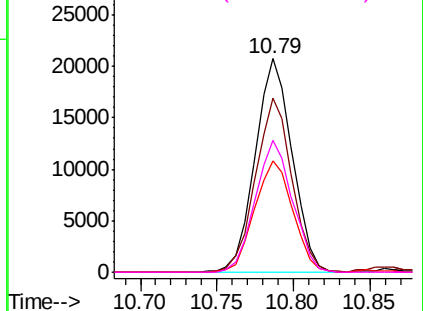
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

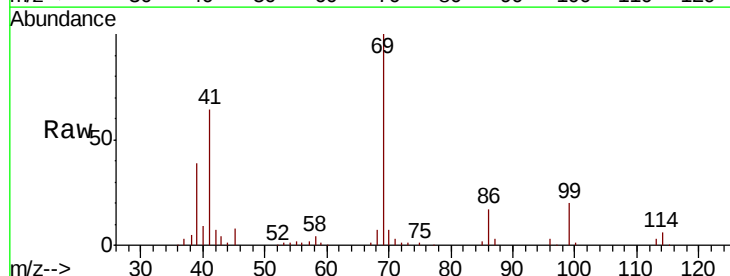
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 54.354 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

Tgt Ion:	69	Resp:	39904
Ion	Ratio	Lower	Upper
69	100		
41	63.8	51.0	76.6
39	36.0	30.8	46.2

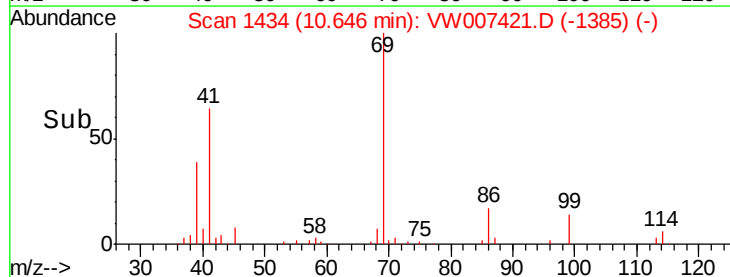
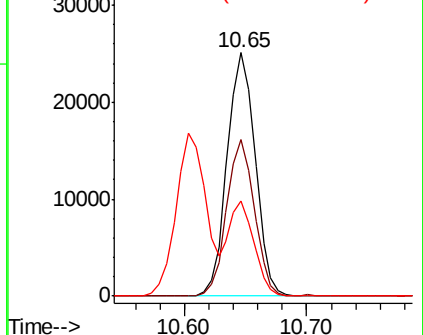


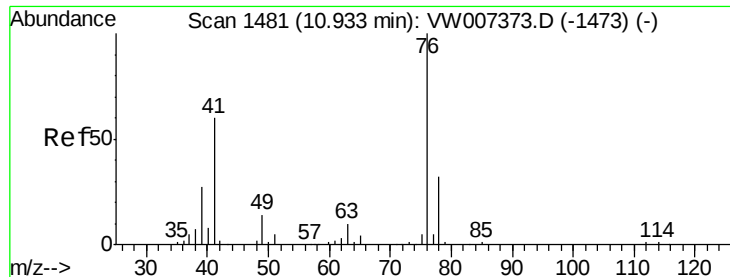
Abundance

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

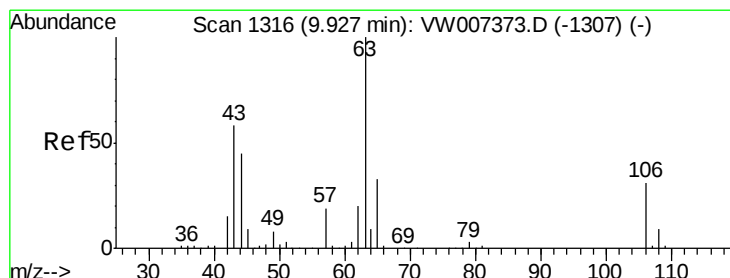
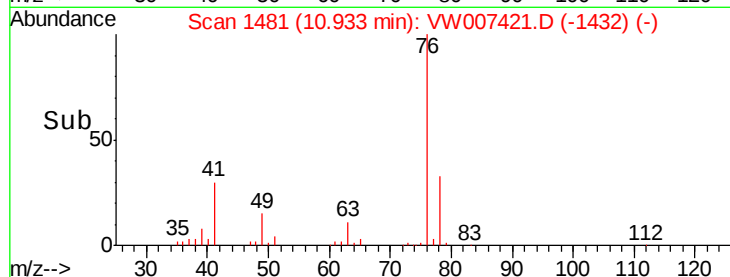
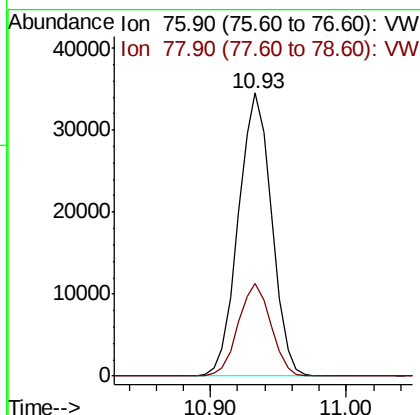
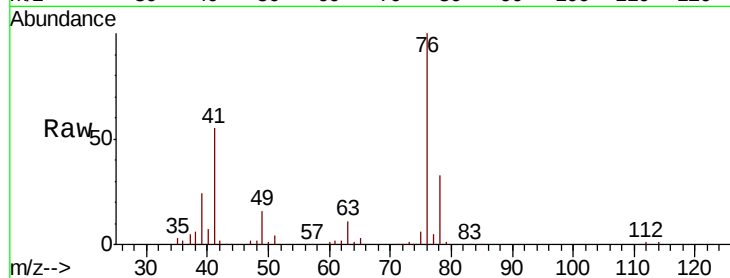




#57
 1,3-Dichloropropane
 Concen: 58.698 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

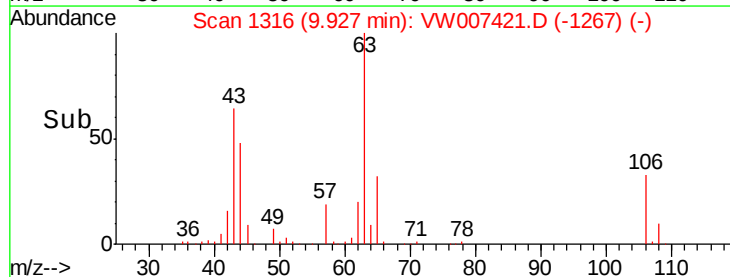
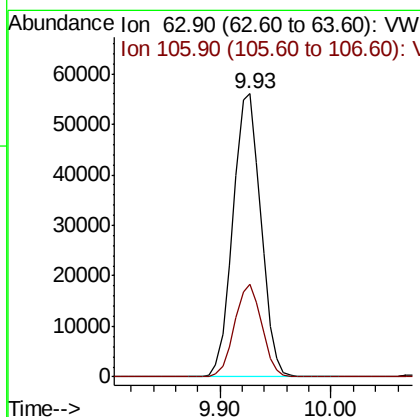
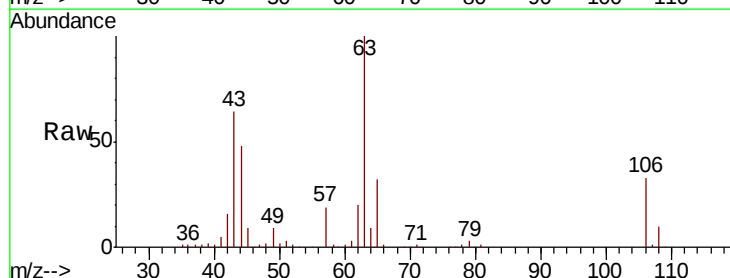
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

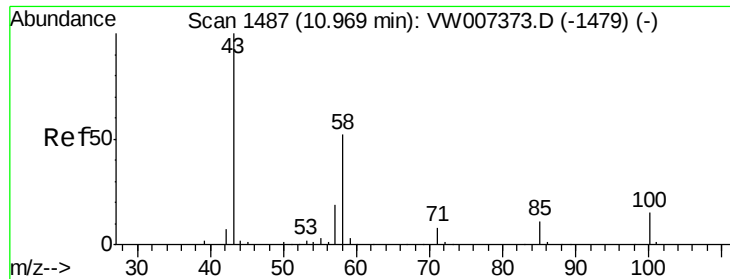
Tgt Ion: 76 Resp: 58846
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 287.389 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

Tgt Ion: 63 Resp: 97296
 Ion Ratio Lower Upper
 63 100
 106 31.8 25.0 37.6

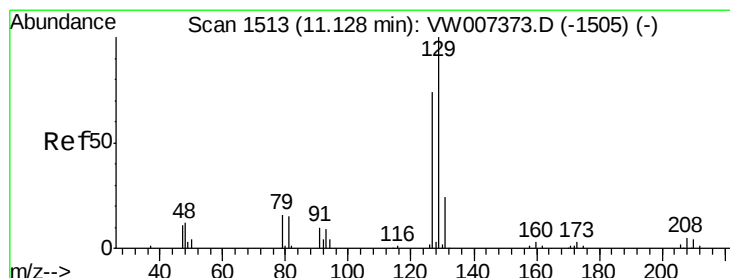
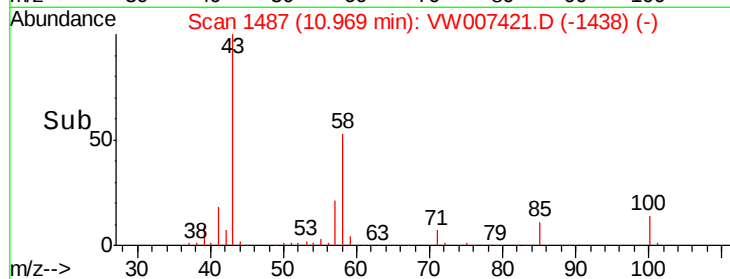
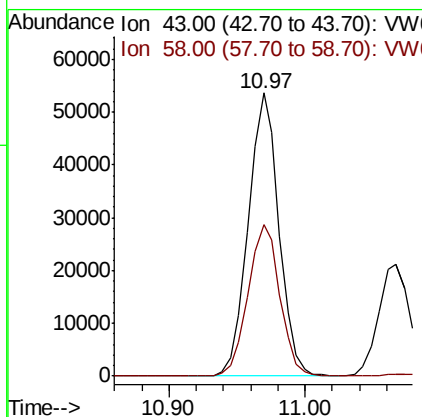
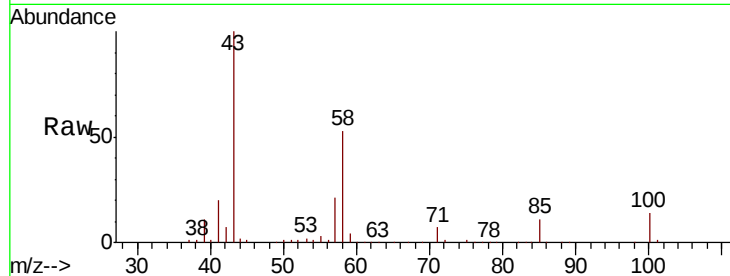




#59
2-Hexanone
Concen: 297.168 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

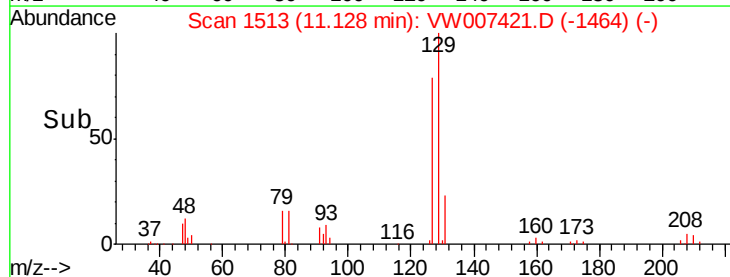
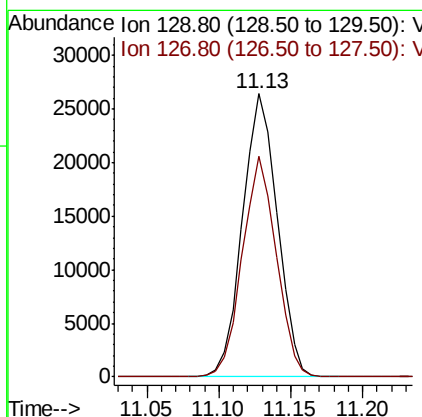
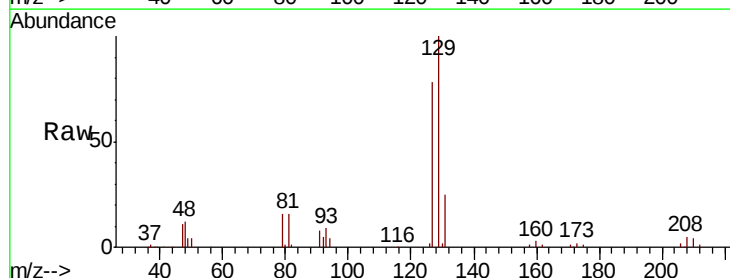
Instrument :
MSVOA_W
ClientSampleId :
BFB

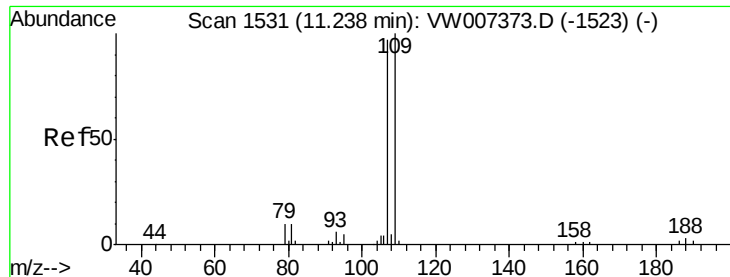
Tgt Ion: 43 Resp: 84645
Ion Ratio Lower Upper
43 100
58 55.6 27.1 81.3



#60
Dibromochloromethane
Concen: 57.517 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

Tgt Ion: 129 Resp: 44335
Ion Ratio Lower Upper
129 100
127 75.9 38.1 114.3





#61

1,2-Dibromoethane

Concen: 56.739 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA_W

ClientSampleId :

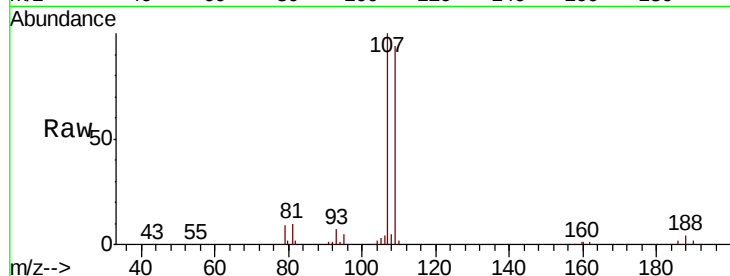
BFB

Tgt Ion: 107 Resp: 34248

Ion Ratio Lower Upper

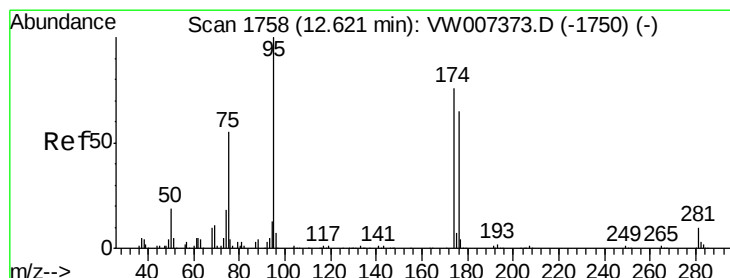
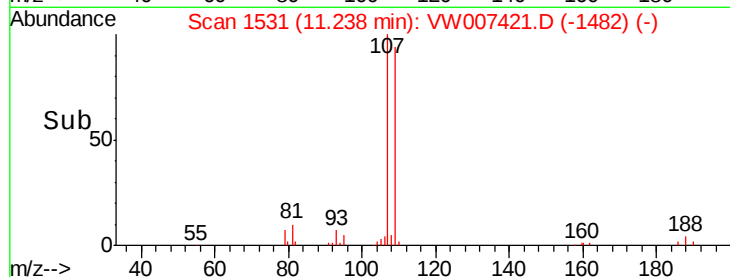
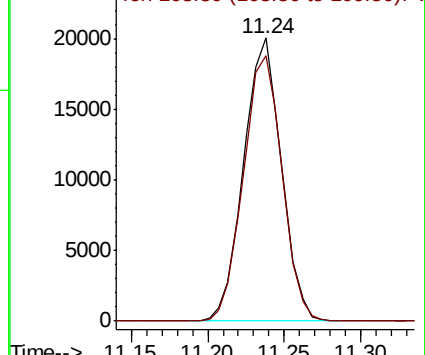
107 100

109 96.2 79.1 118.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.136 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

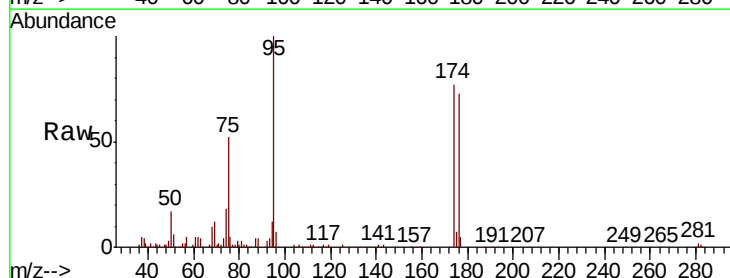
Tgt Ion: 95 Resp: 62066

Ion Ratio Lower Upper

95 100

174 75.0 0.0 147.2

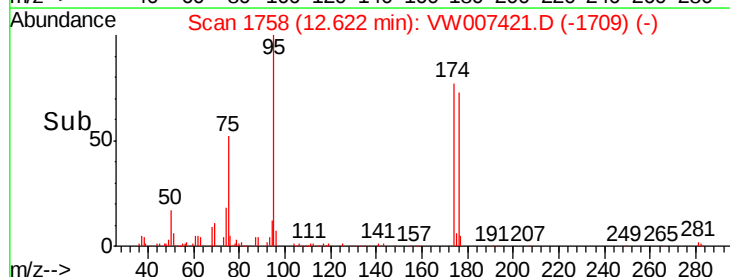
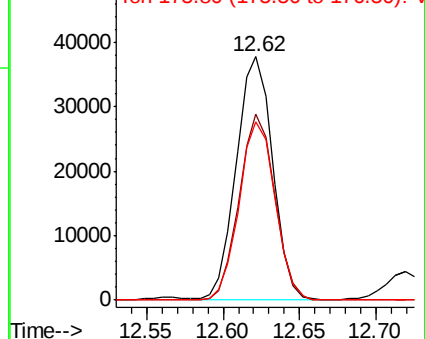
176 73.0 0.0 138.8

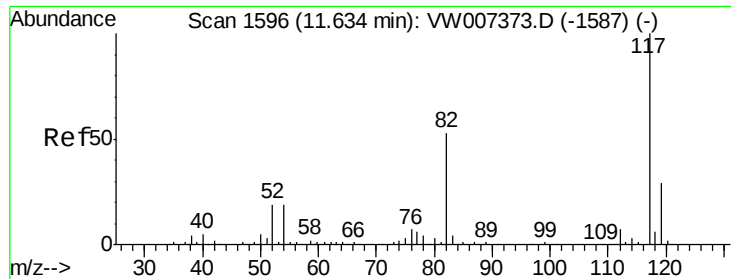


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

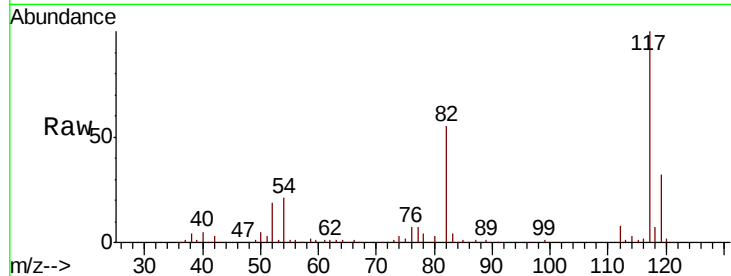




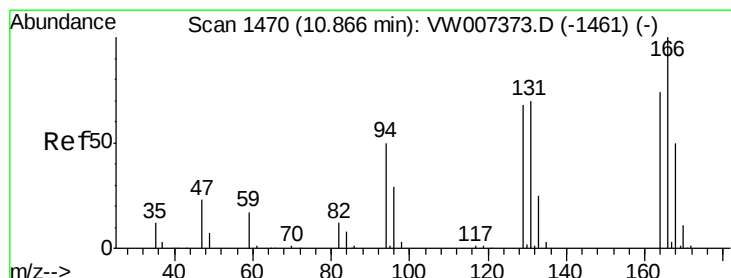
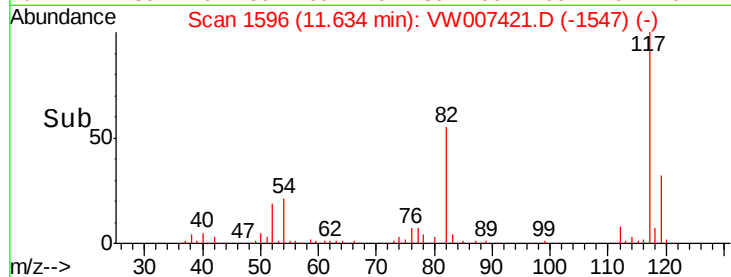
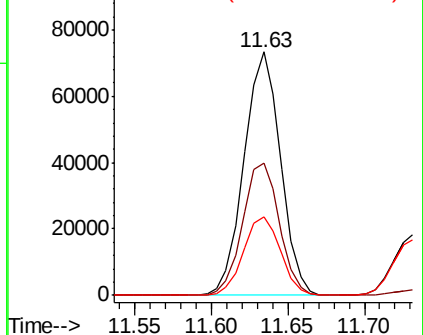
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

Instrument :
MSVOA_W
ClientSampled :
BFB

Tgt Ion:117 Resp: 121717
Ion Ratio Lower Upper
117 100
82 54.5 42.3 63.5
119 32.2 23.0 34.6

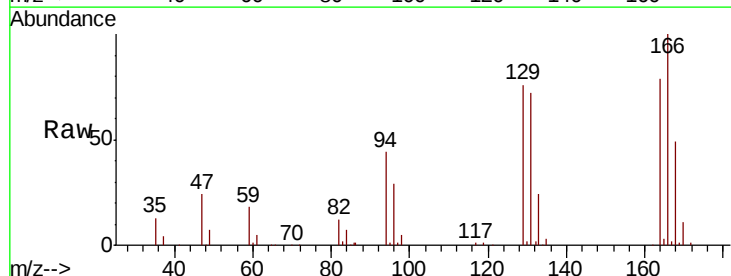


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

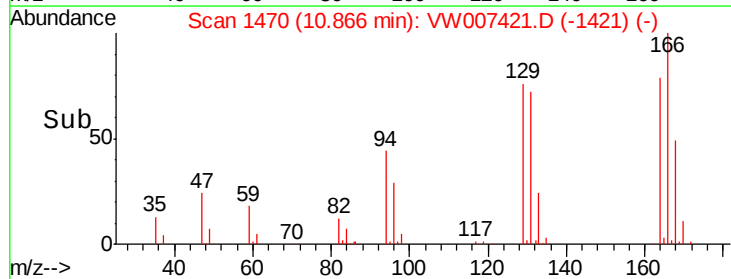
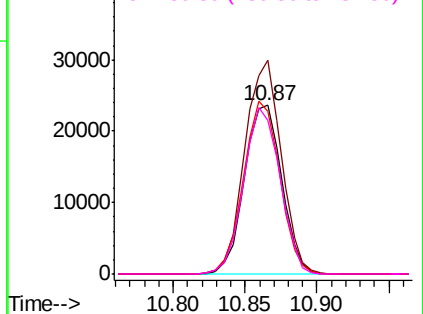


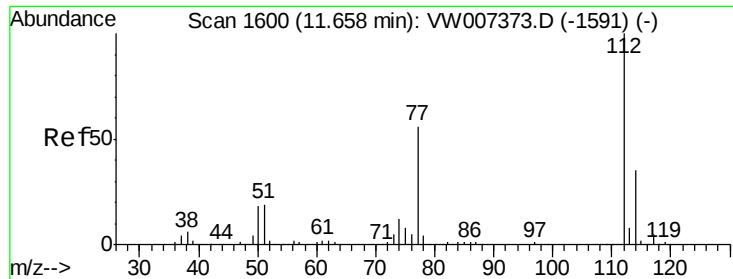
#64
Tetrachloroethene
Concen: 48.130 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

Tgt Ion:164 Resp: 42128
Ion Ratio Lower Upper
164 100
166 126.9 107.9 161.9
129 96.6 73.4 110.2
131 91.1 75.8 113.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

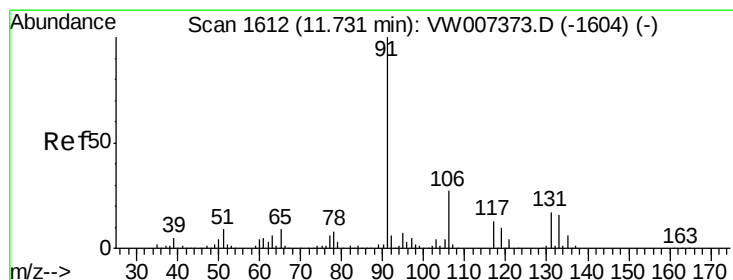
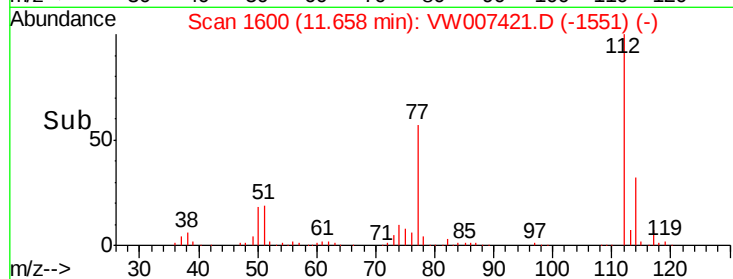
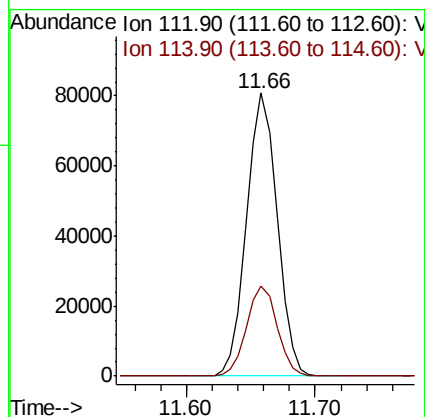
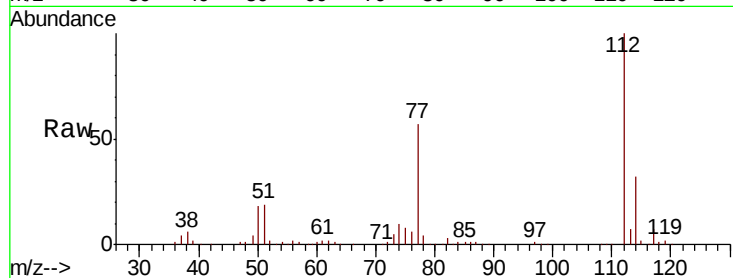




#65
Chlorobenzene
Concen: 52.159 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

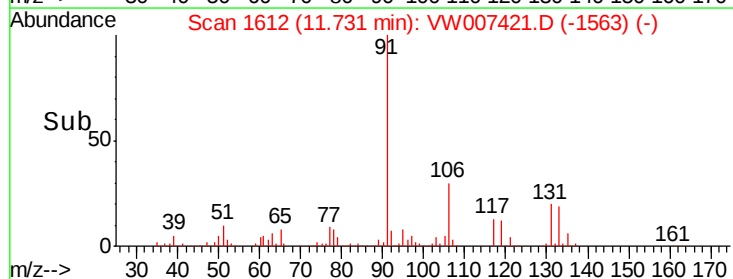
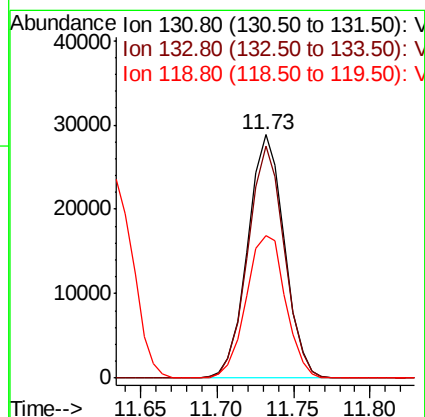
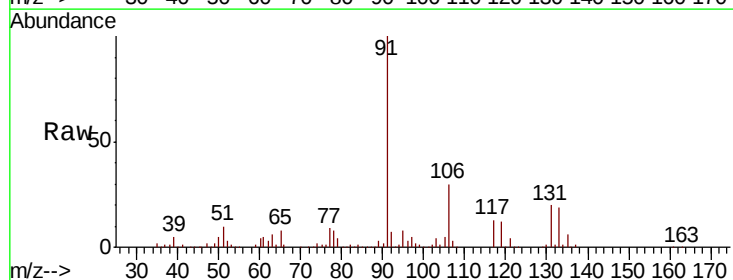
Instrument :
MSVOA_W
ClientSampled :
BFB

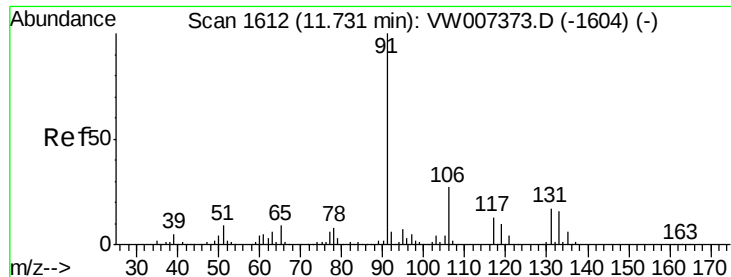
Tgt Ion:112 Resp: 132325
Ion Ratio Lower Upper
112 100
114 32.1 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 53.943 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

Tgt Ion:131 Resp: 48199
Ion Ratio Lower Upper
131 100
133 95.0 47.1 141.4
119 62.5 31.3 93.9

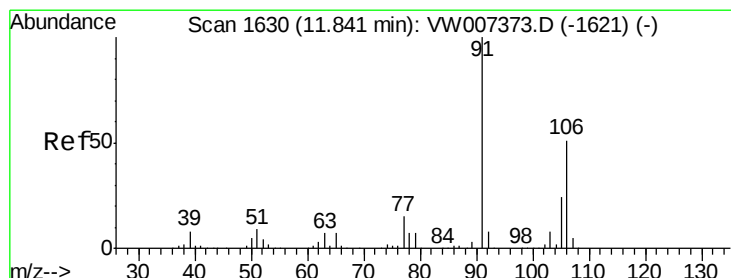
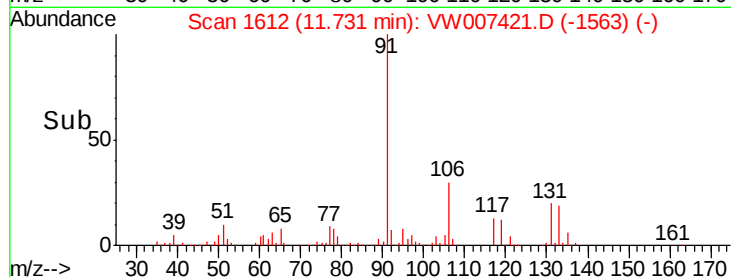
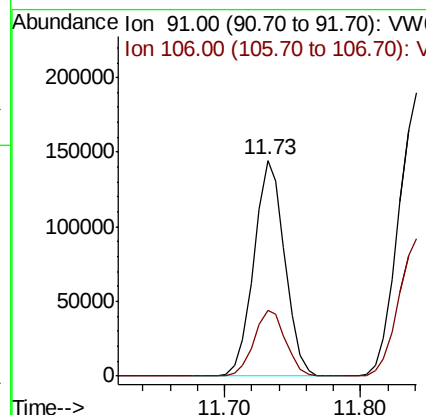
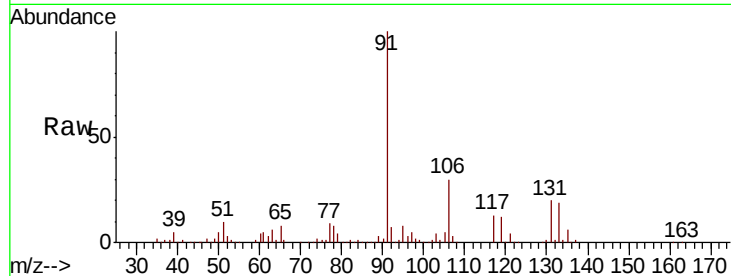




#67
Ethyl Benzene
Concen: 52.664 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

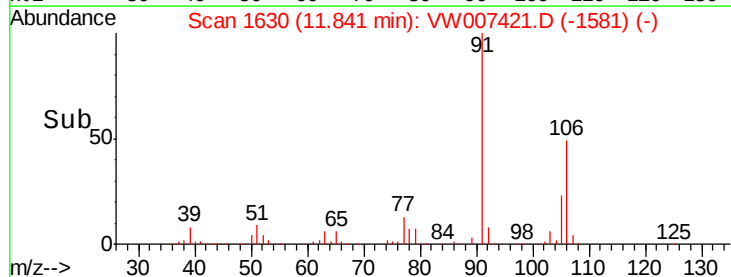
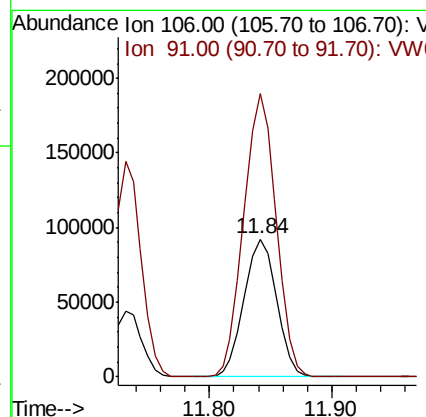
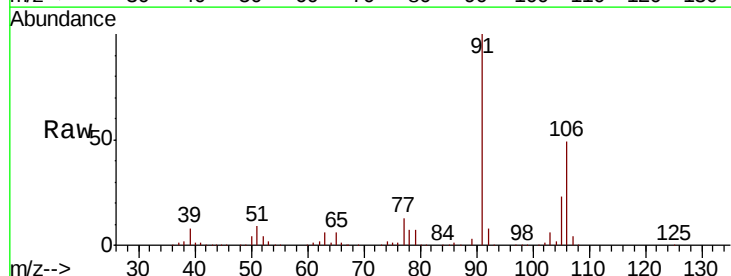
Instrument :
MSVOA_W
ClientSampled :
BFB

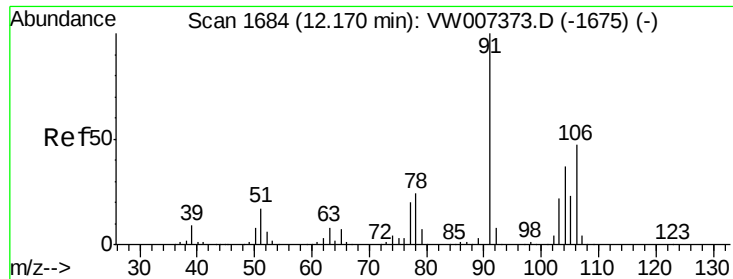
Tgt Ion: 91 Resp: 229708
Ion Ratio Lower Upper
91 100
106 30.4 21.8 32.8



#68
m/p-Xylenes
Concen: 101.152 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

Tgt Ion: 106 Resp: 171520
Ion Ratio Lower Upper
106 100
91 203.9 165.3 247.9

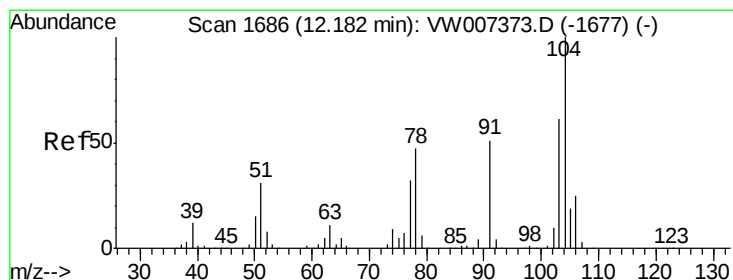
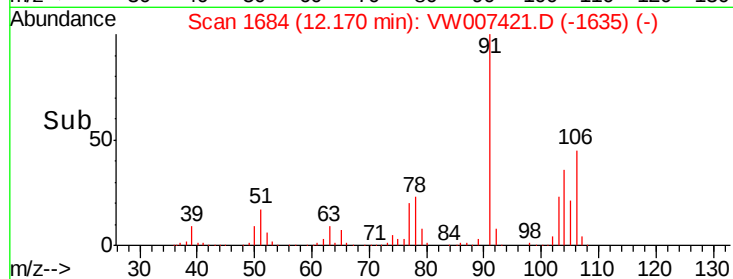
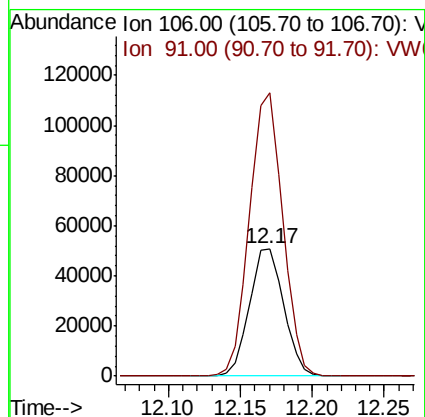
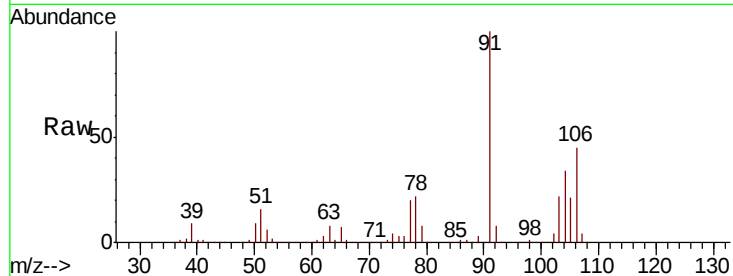




#69
o-Xylene
Concen: 52.710 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

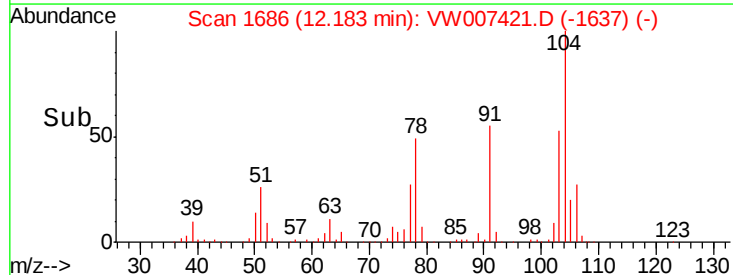
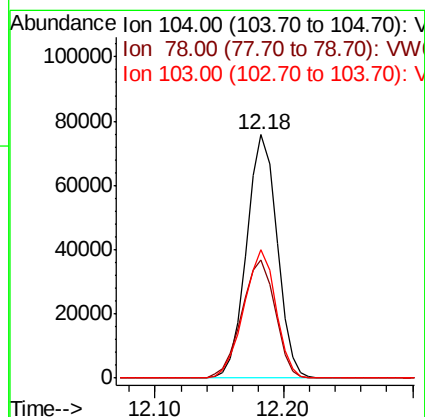
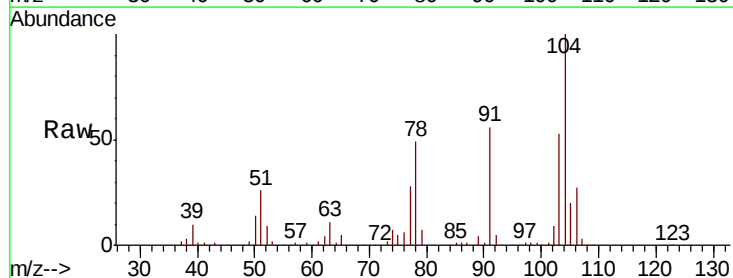
Instrument :
MSVOA_W
ClientSampleId :
BFB

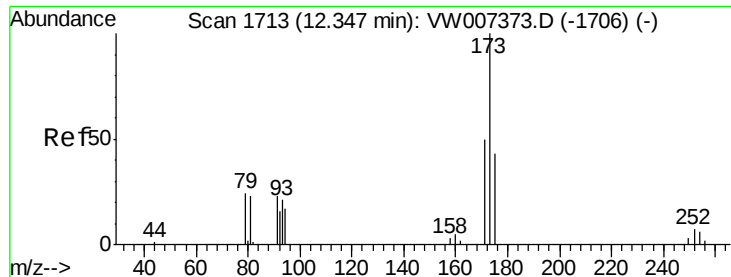
Tgt Ion:106 Resp: 83473
Ion Ratio Lower Upper
106 100
91 216.2 106.6 319.8



#70
Styrene
Concen: 48.347 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

Tgt Ion:104 Resp: 123667
Ion Ratio Lower Upper
104 100
78 53.4 41.8 62.8
103 55.4 46.6 69.8





#71

Bromoform

Concen: 54.012 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA_W

ClientSampleId :

BFB

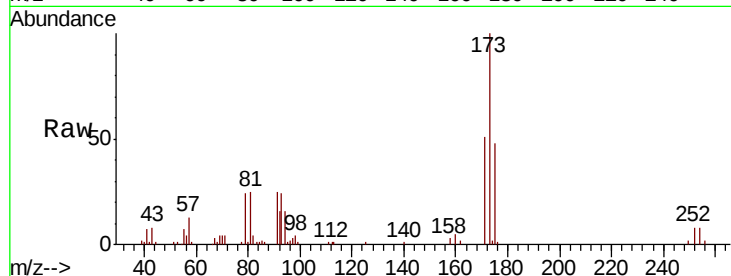
Tgt Ion:173 Resp: 24702

Ion Ratio Lower Upper

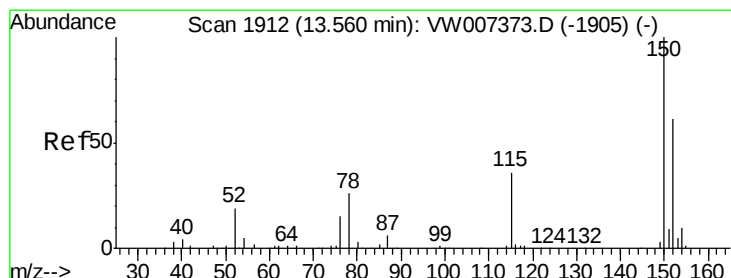
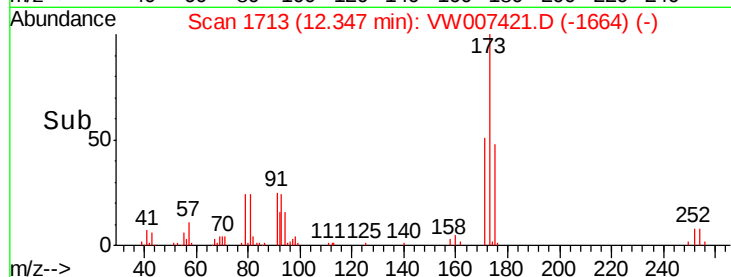
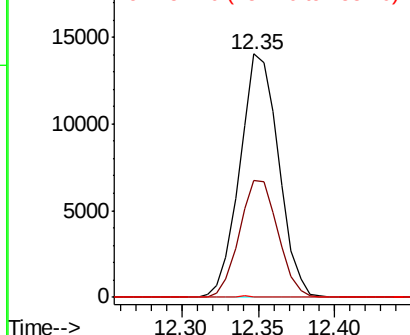
173 100

175 47.8 23.6 70.8

254 0.1 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: VW007421.D

Acq: 12 Dec 2018 04:22

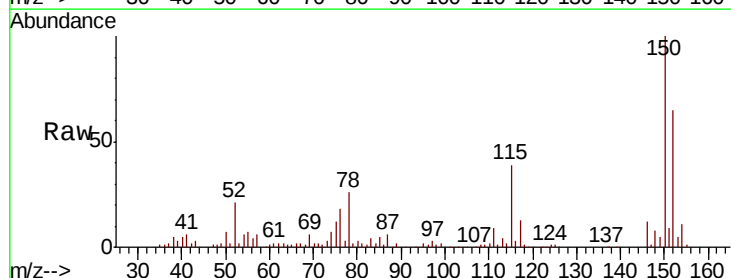
Tgt Ion:152 Resp: 59657

Ion Ratio Lower Upper

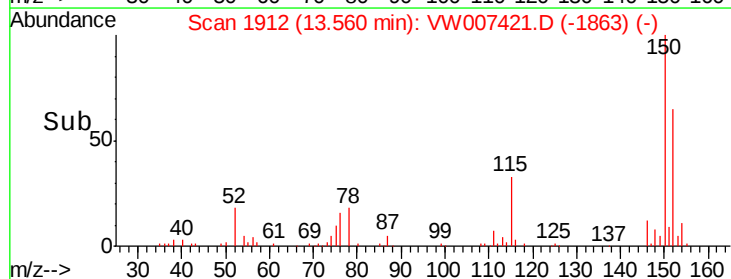
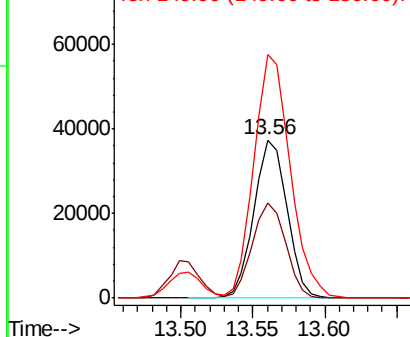
152 100

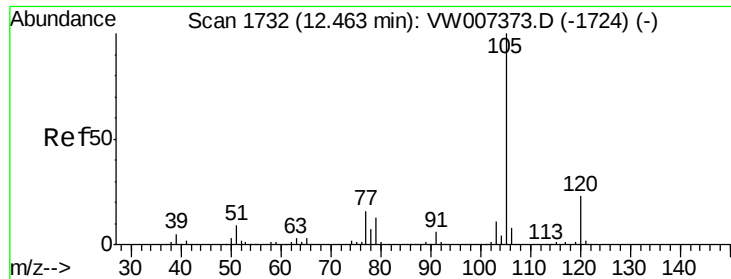
115 60.5 31.4 94.2

150 168.5 0.0 358.4



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: 48.384 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA_W

ClientSampleId :

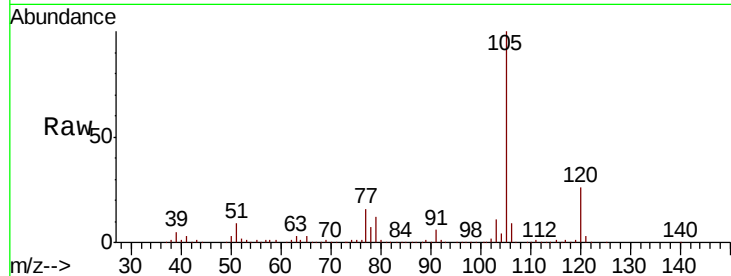
BFB

Tgt Ion: 105 Resp: 221169

Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

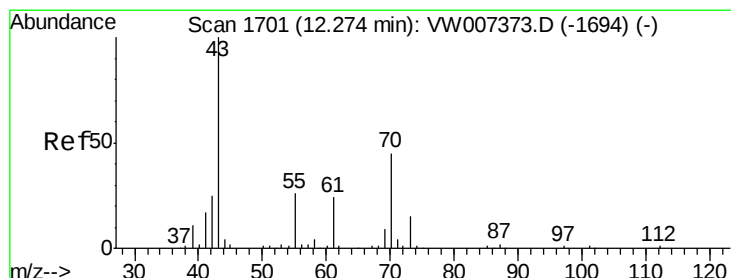
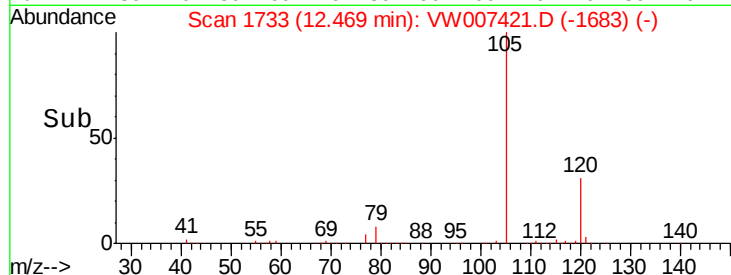
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 47.790 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Tgt Ion: 43 Resp: 39702

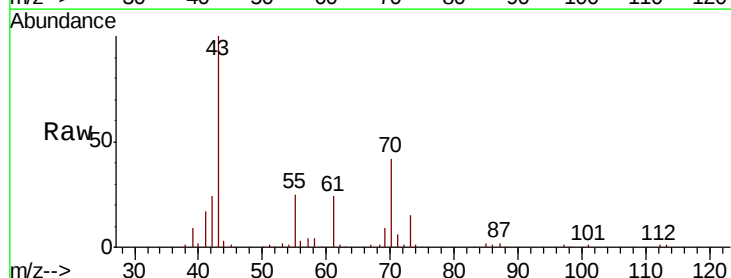
Ion Ratio Lower Upper

43 100

70 45.6 36.5 54.7

55 27.4 20.1 30.1

61 23.2 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

40000

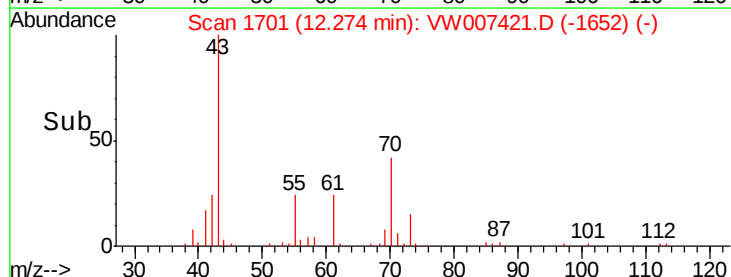
30000

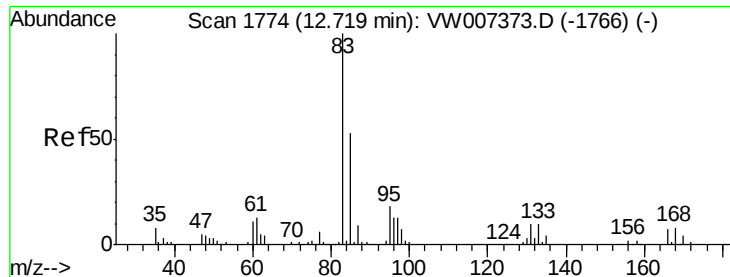
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 58.325 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA_W

ClientSampled :

BFB

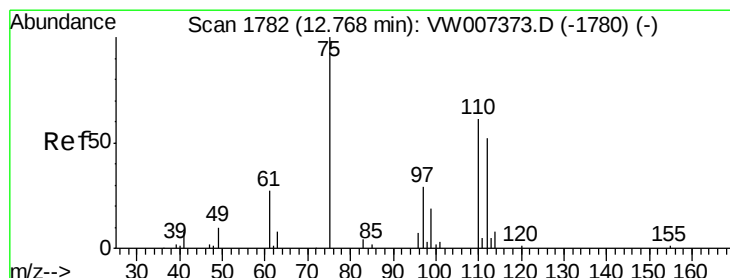
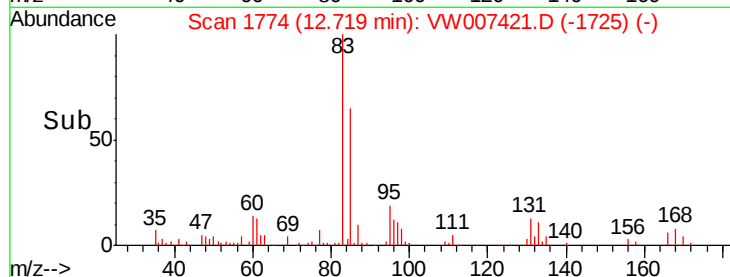
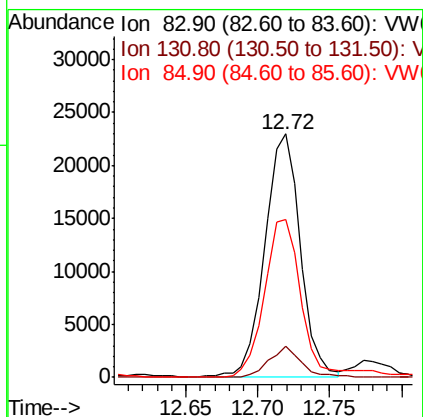
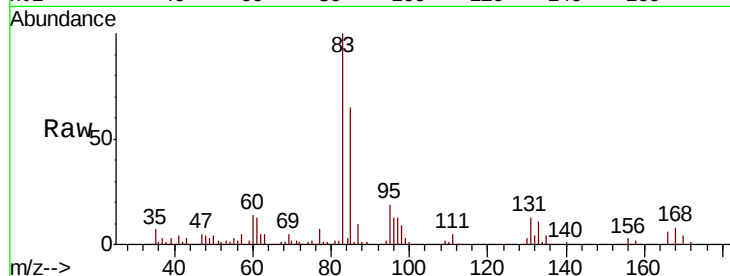
Tgt Ion: 83 Resp: 39488

Ion Ratio Lower Upper

83 100

131 11.6 5.9 17.8

85 66.8 30.0 90.0



#76

1,2,3-Trichloropropane

Concen: 102.578 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW007421.D

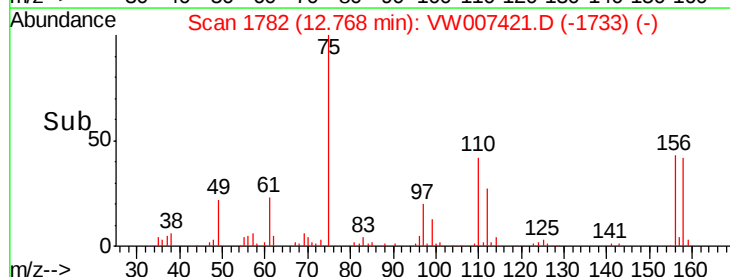
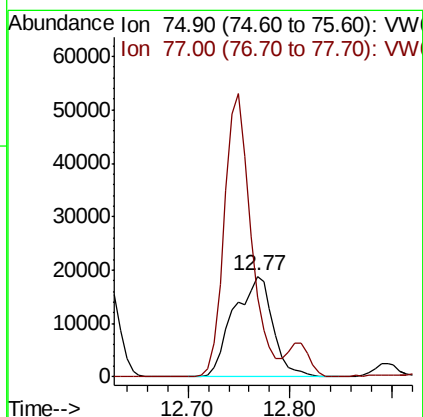
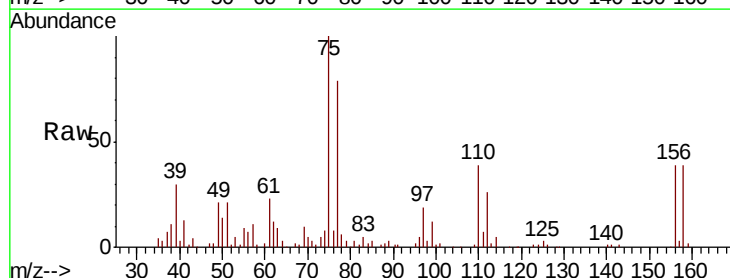
Acq: 12 Dec 2018 04:22

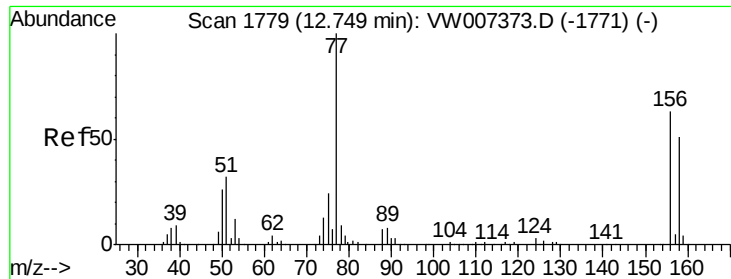
Tgt Ion: 75 Resp: 50457

Ion Ratio Lower Upper

75 100

77 191.0 166.9 500.8





#77

Bromobenzene

Concen: 52.247 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA_W

ClientSampleId :

BFB

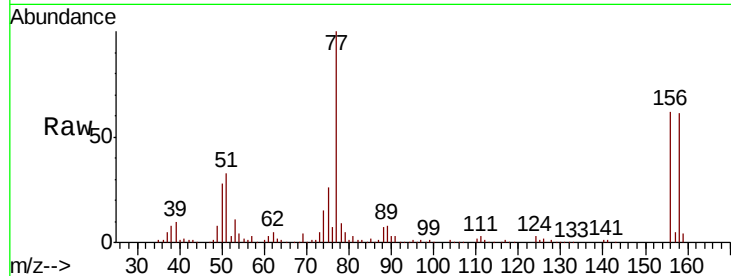
Tgt Ion: 156 Resp: 52939

Ion Ratio Lower Upper

156 100

77 182.0 88.1 264.4

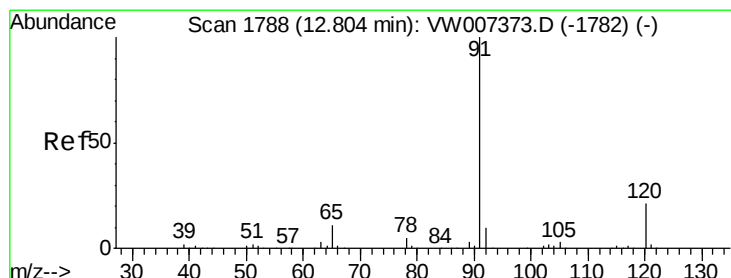
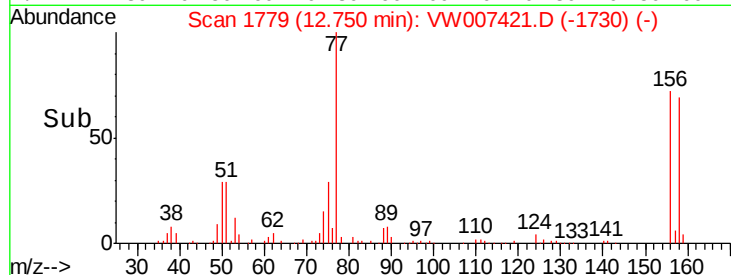
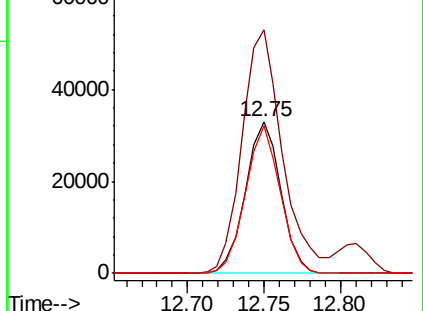
158 95.5 45.6 136.7



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: 47.423 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007421.D

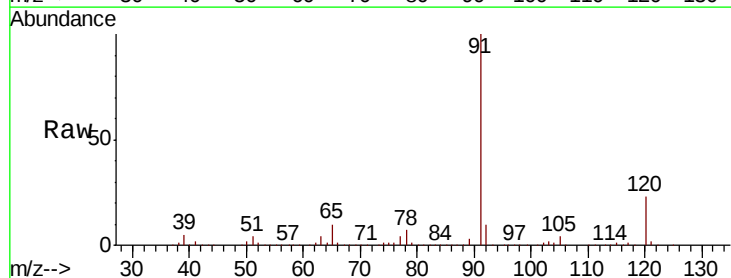
Acq: 12 Dec 2018 04:22

Tgt Ion: 91 Resp: 243965

Ion Ratio Lower Upper

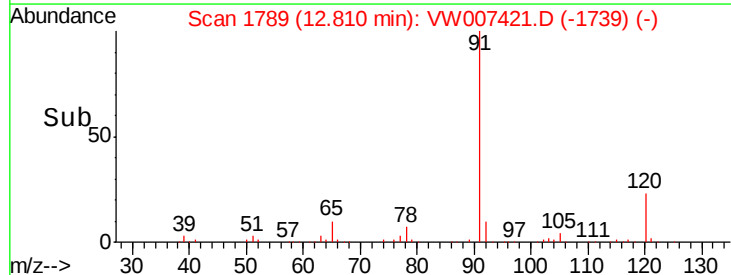
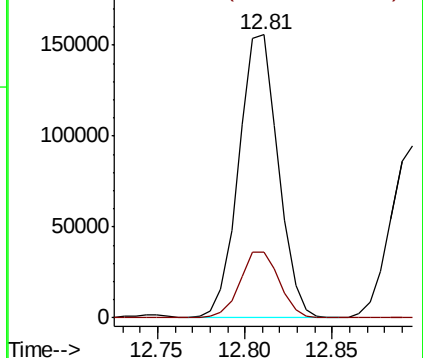
91 100

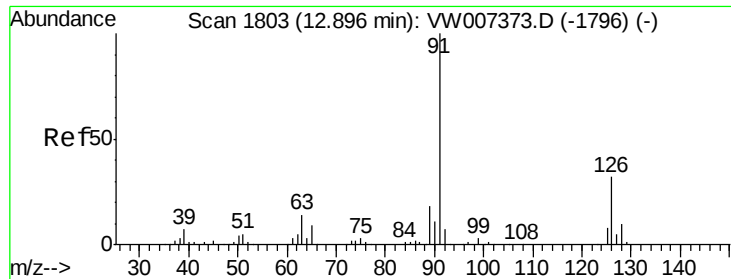
120 23.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

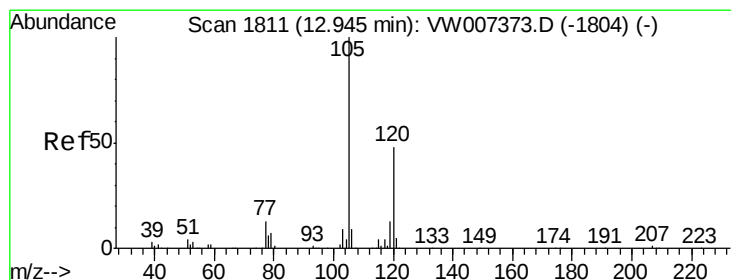
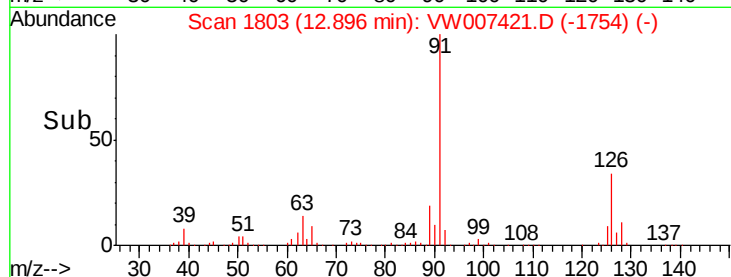
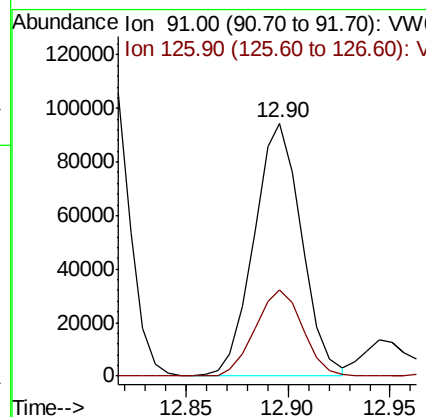
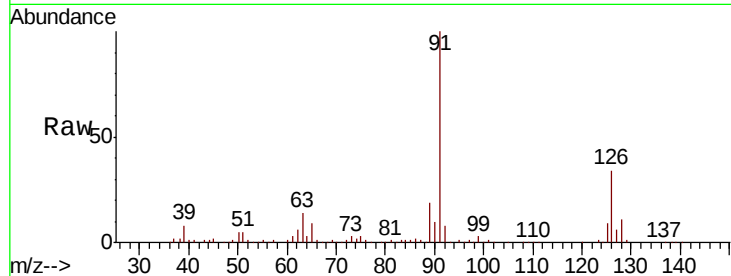




#79
 2-Chlorotoluene
 Concen: 49.143 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

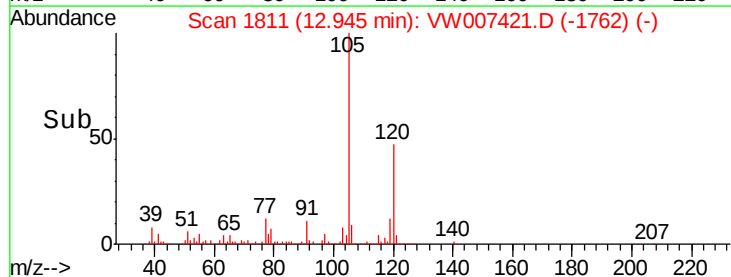
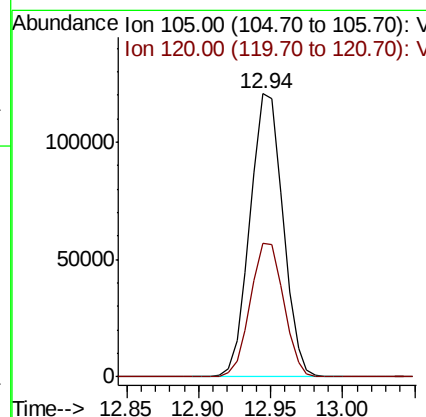
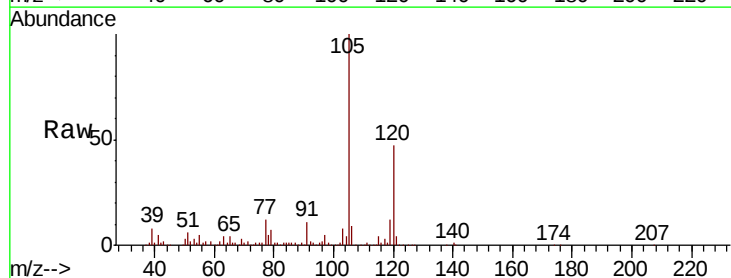
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

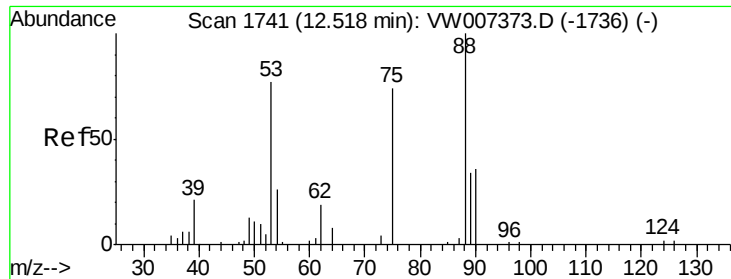
Tgt Ion: 91 Resp: 152972
 Ion Ratio Lower Upper
 91 100
 126 34.0 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 49.669 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

Tgt Ion: 105 Resp: 190773
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.8 71.4

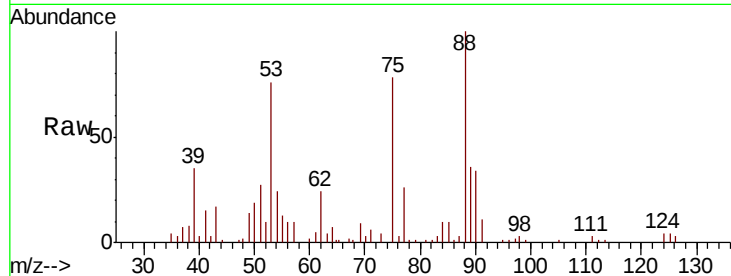




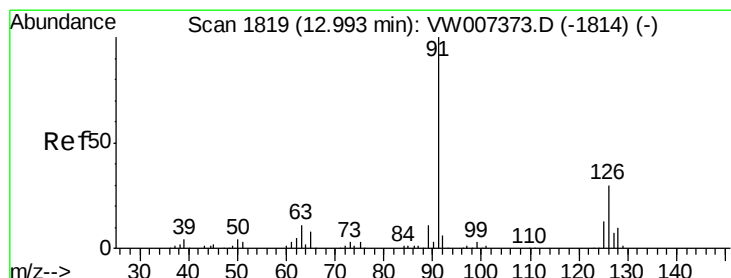
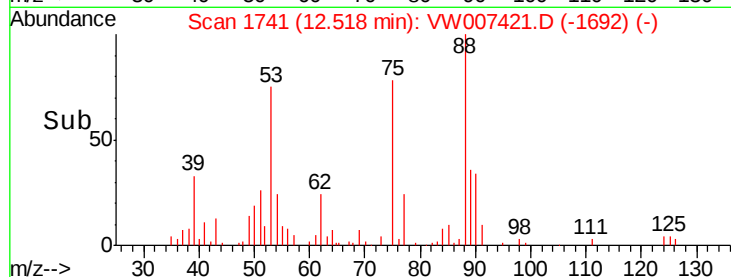
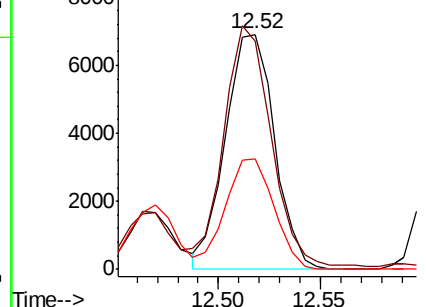
#81
trans-1,4-Dichloro-2-butene
Concen: 51.726 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tgt Ion: 75 Resp: 11518
Ion Ratio Lower Upper
75 100
53 99.4 84.9 127.3
89 46.7 40.3 60.5

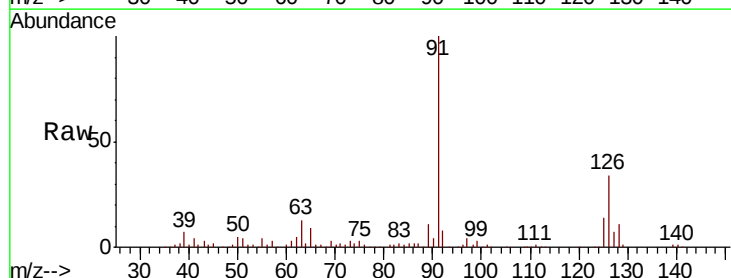


Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW

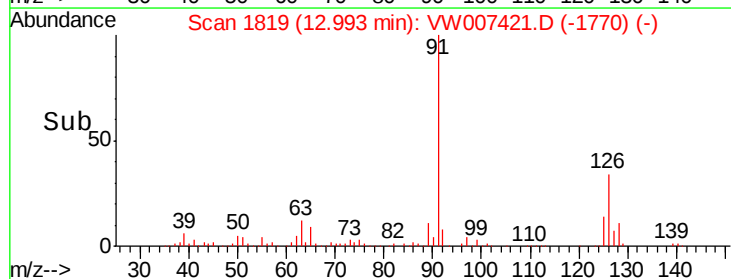
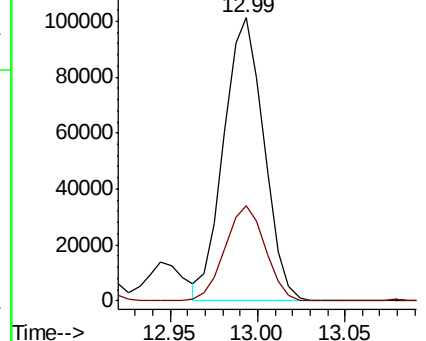


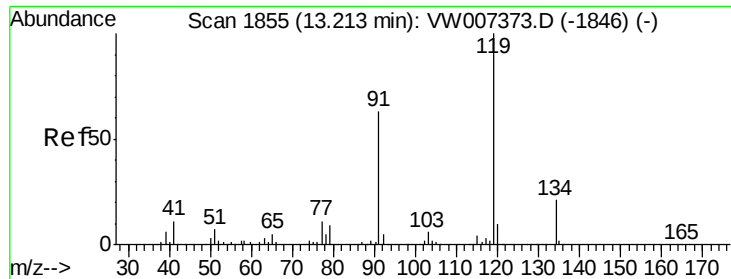
#82
4-Chlorotoluene
Concen: 48.974 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

Tgt Ion: 91 Resp: 160694
Ion Ratio Lower Upper
91 100
126 34.1 16.0 48.0



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





#83

tert-Butylbenzene

Concen: 48.909 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA_W

ClientSampled :

BFB

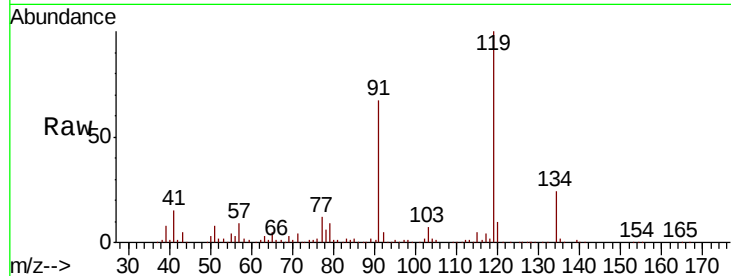
Tgt Ion:119 Resp: 165524

Ion Ratio Lower Upper

119 100

91 67.8 33.1 99.2

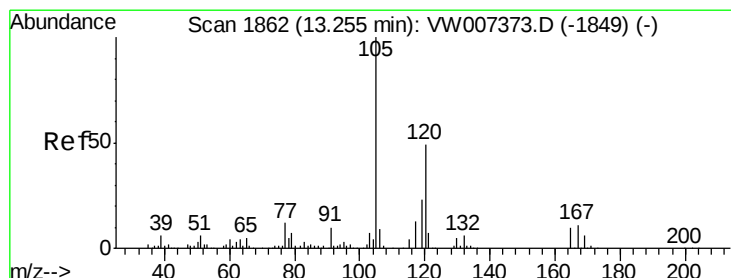
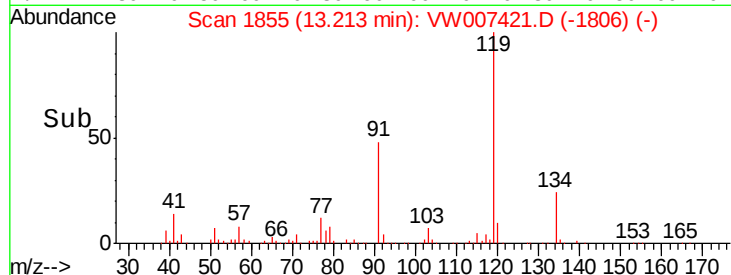
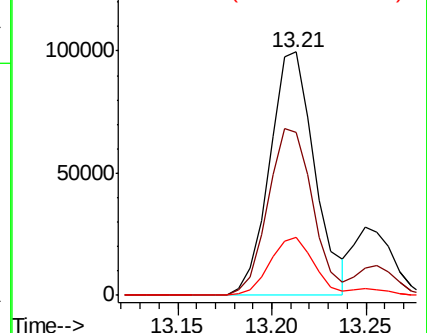
134 23.7 12.5 37.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VV

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 44.632 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW007421.D

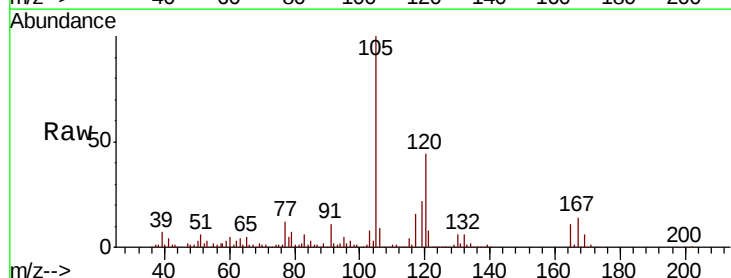
Acq: 12 Dec 2018 04:22

Tgt Ion:105 Resp: 176406

Ion Ratio Lower Upper

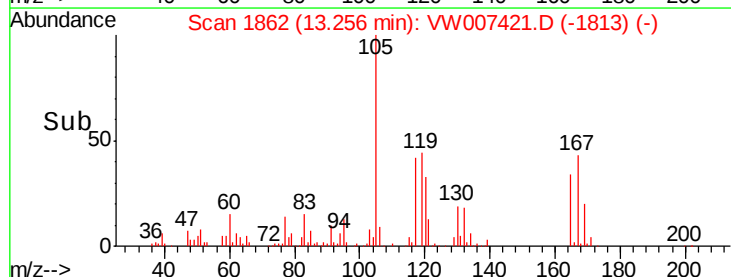
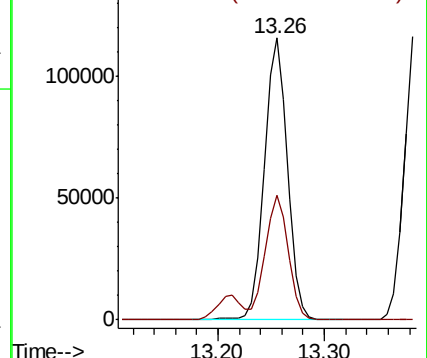
105 100

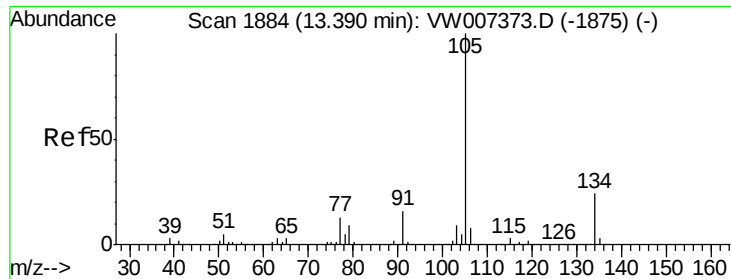
120 44.4 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

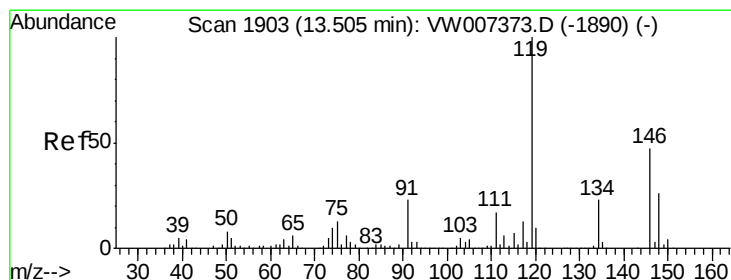
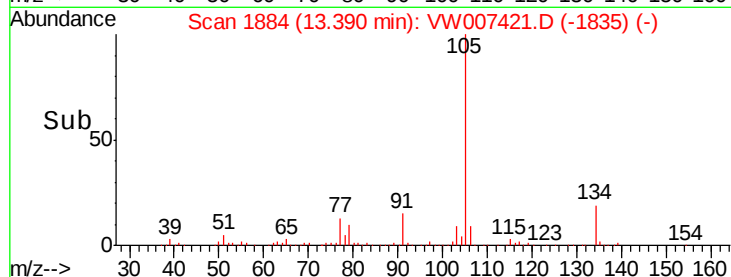
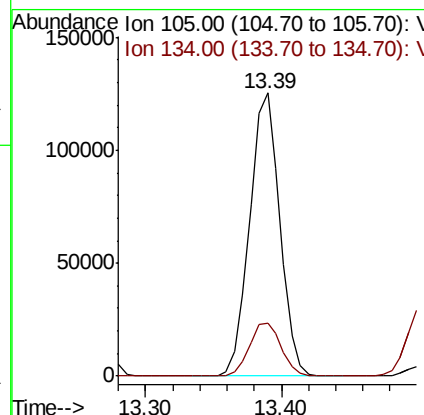
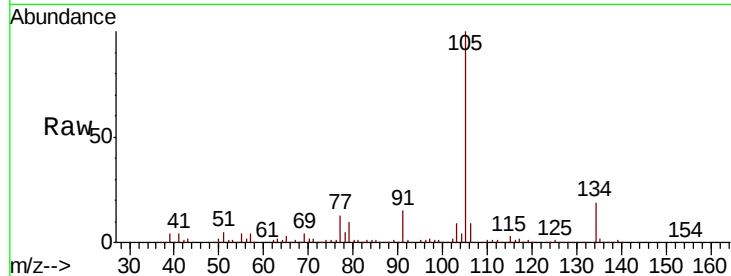




#85
 sec-Butylbenzene
 Concen: 42.136 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

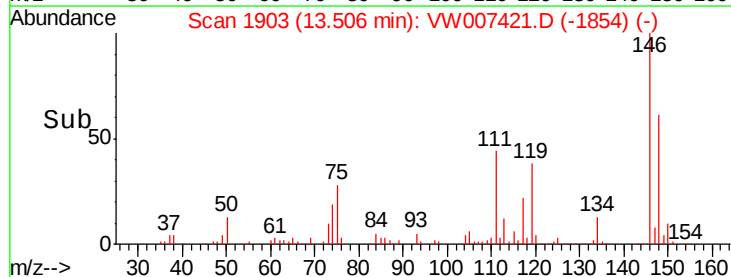
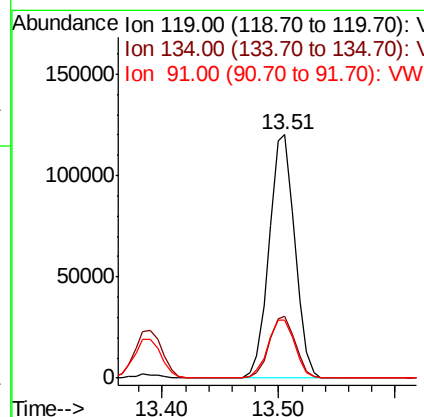
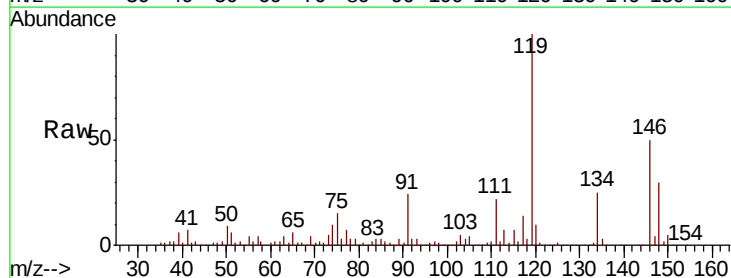
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

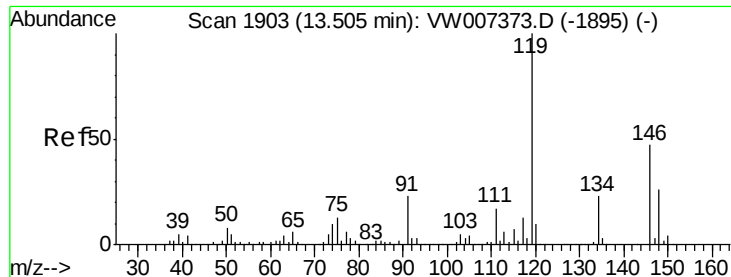
Tgt Ion:105 Resp: 194672
 Ion Ratio Lower Upper
 105 100
 134 19.8 11.1 33.3



#86
 p-Isopropyltoluene
 Concen: 44.025 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

Tgt Ion:119 Resp: 182726
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.9 38.7
 91 24.6 11.9 35.9

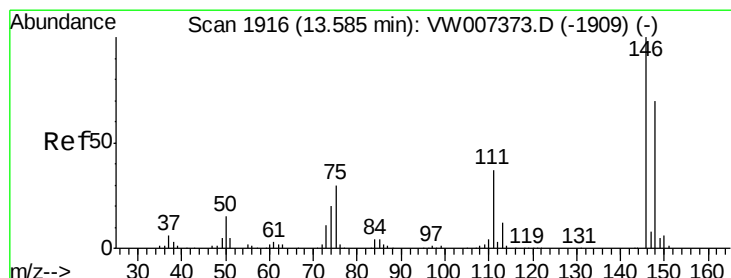
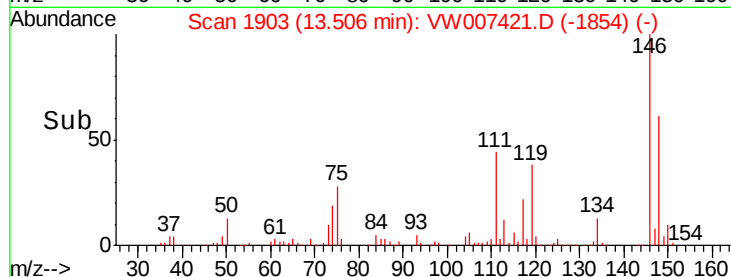
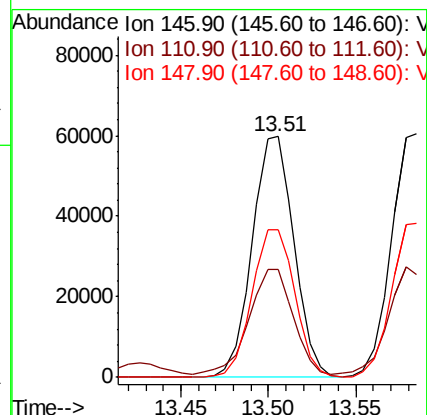
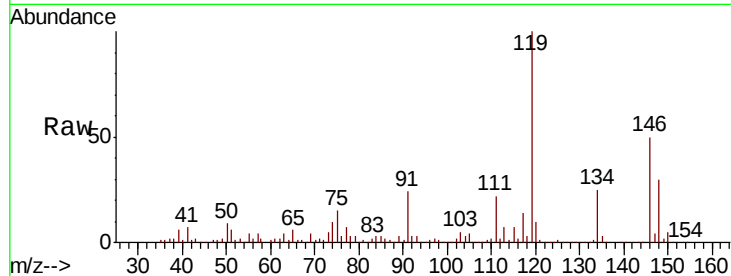




#87
 1,3-Dichlorobenzene
 Concen: 49.121 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

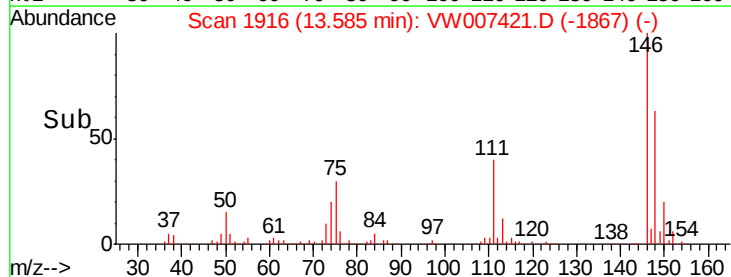
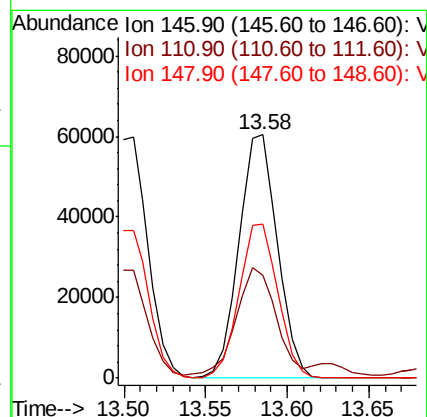
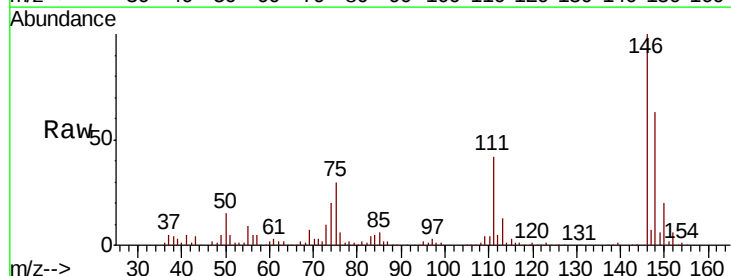
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

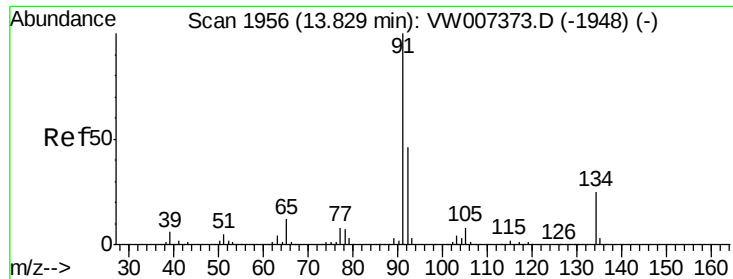
Tgt Ion:146 Resp: 99235
 Ion Ratio Lower Upper
 146 100
 111 45.4 20.1 60.3
 148 62.8 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 49.034 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

Tgt Ion:146 Resp: 99587
 Ion Ratio Lower Upper
 146 100
 111 44.8 20.3 61.0
 148 63.6 33.5 100.5

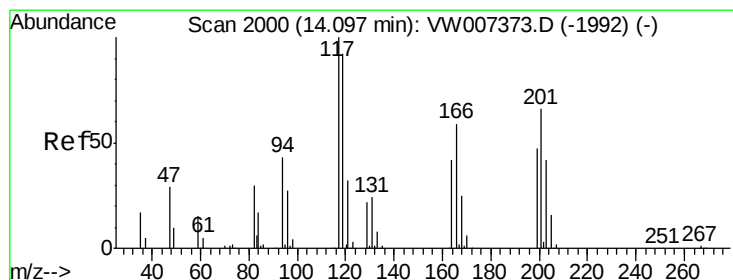
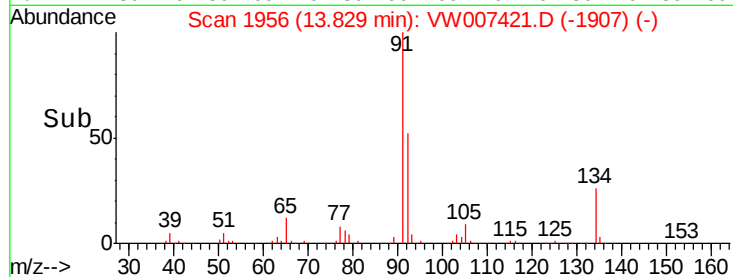
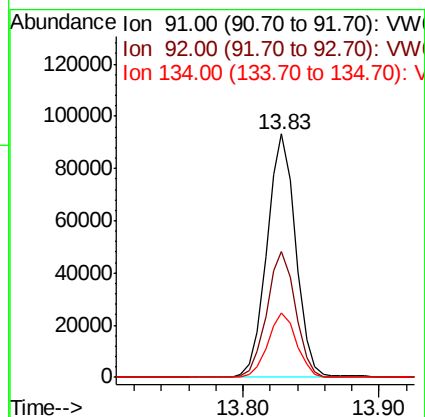
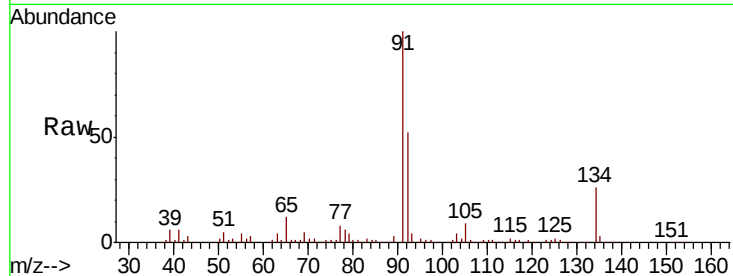




#89
n-Butylbenzene
Concen: 35.655 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

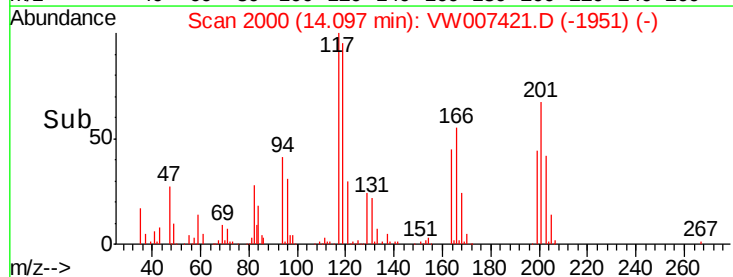
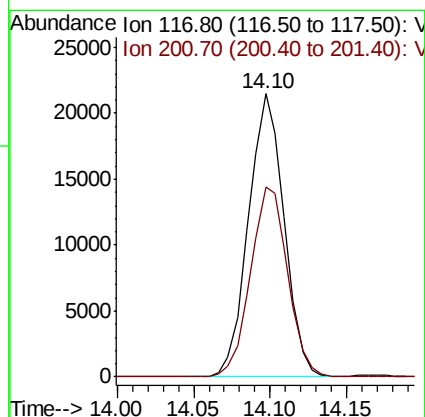
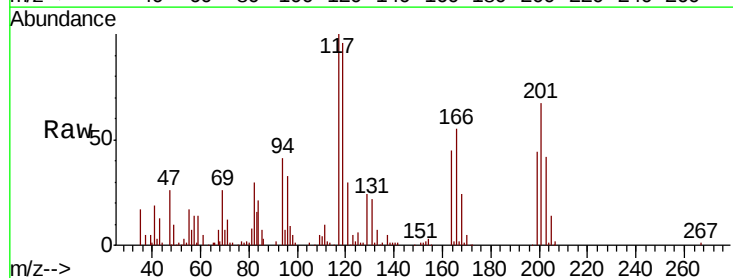
Instrument :
MSVOA_W
ClientSampled :
BFB

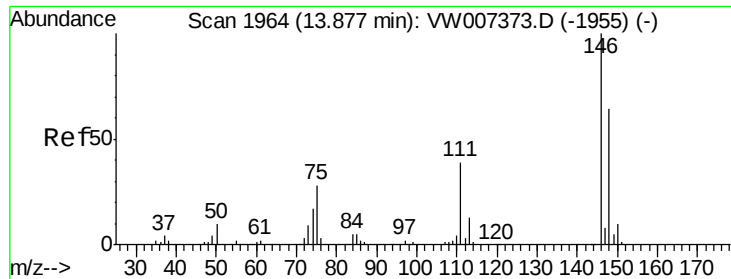
Tgt Ion: 91 Resp: 137192
Ion Ratio Lower Upper
91 100
92 52.2 25.7 77.1
134 26.7 13.4 40.2



#90
Hexachloroethane
Concen: 47.057 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

Tgt Ion: 117 Resp: 34752
Ion Ratio Lower Upper
117 100
201 69.9 35.3 105.9





#91

1,2-Dichlorobenzene

Concen: 49.799 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

Instrument :

MSVOA_W

ClientSampleId :

BFB

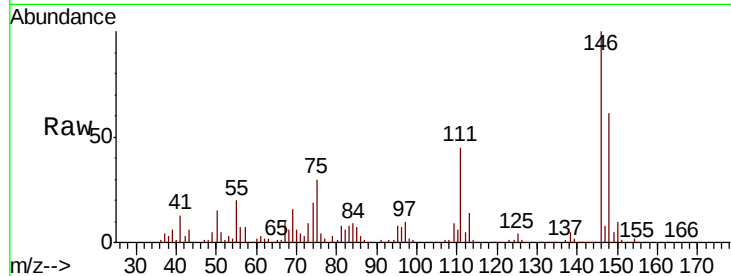
Tgt Ion:146 Resp: 90108

Ion Ratio Lower Upper

146 100

111 50.1 22.4 67.2

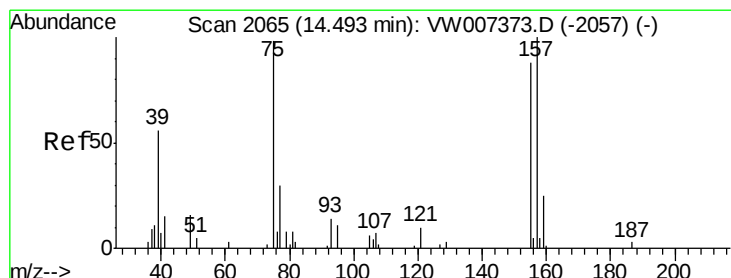
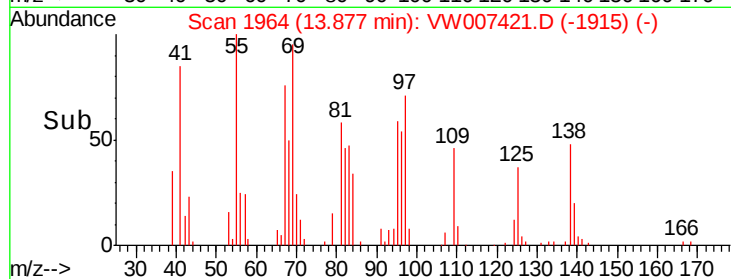
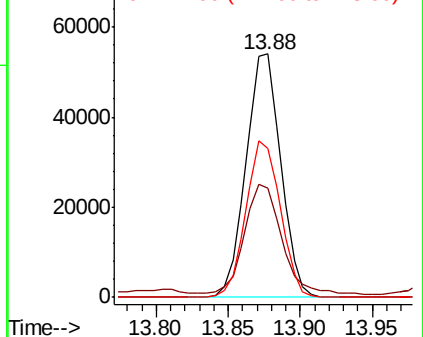
148 63.9 32.4 97.2



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: 53.280 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW007421.D

Acq: 12 Dec 2018 04:22

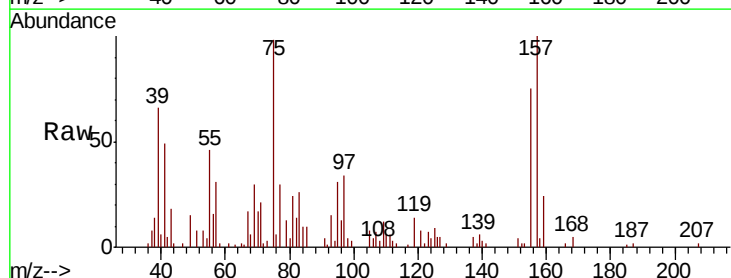
Tgt Ion: 75 Resp: 7239

Ion Ratio Lower Upper

75 100

155 84.6 40.8 122.2

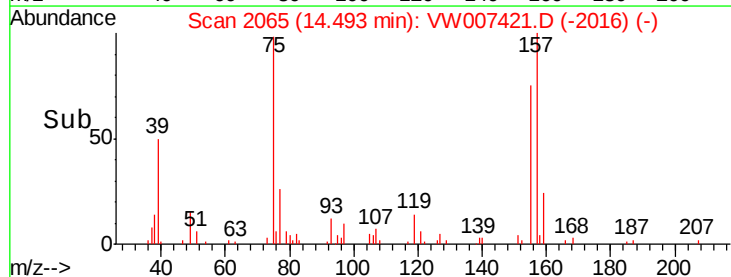
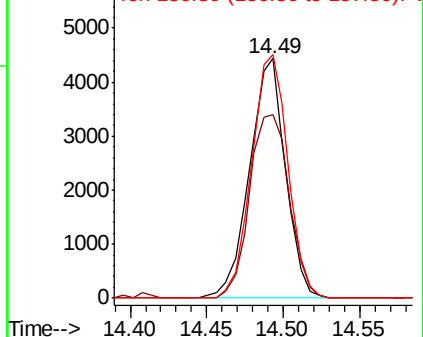
157 102.3 51.1 153.4

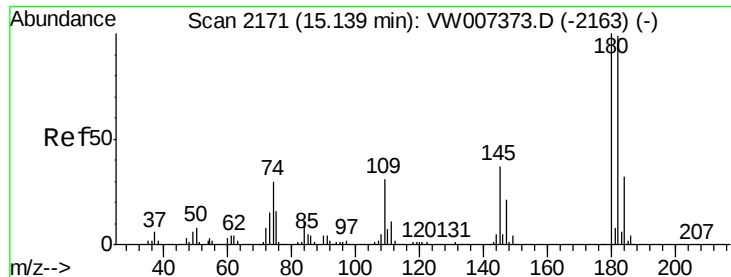


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

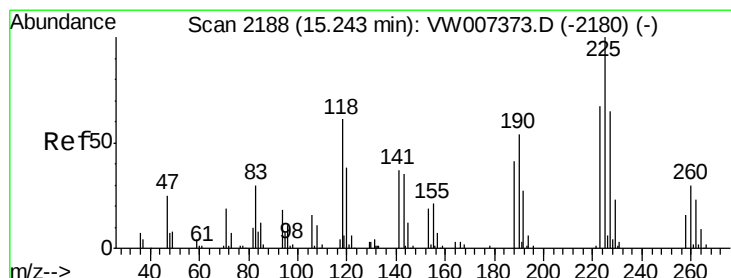
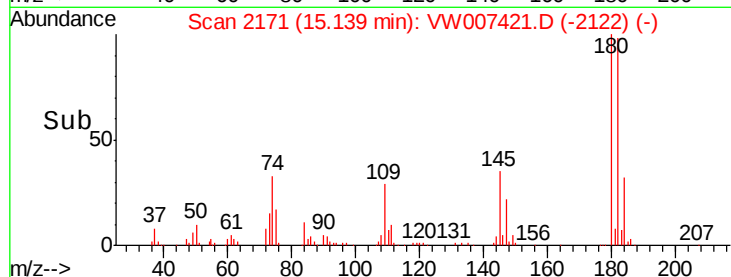
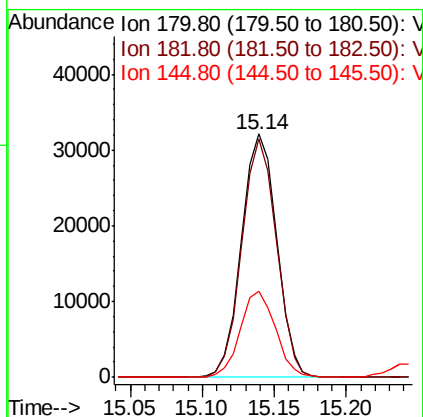
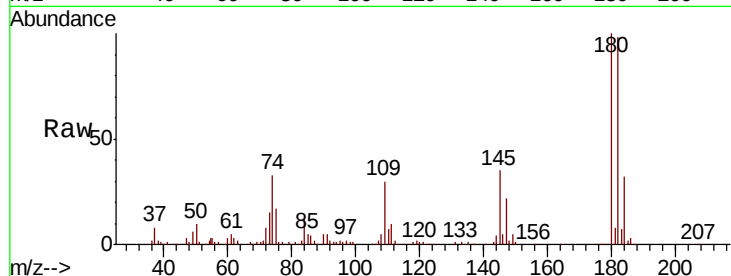




#93
 1,2,4-Trichlorobenzene
 Concen: 43.795 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

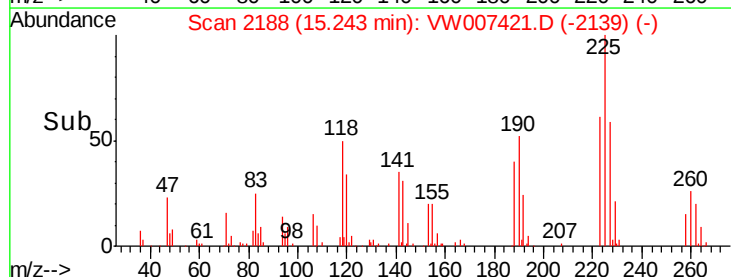
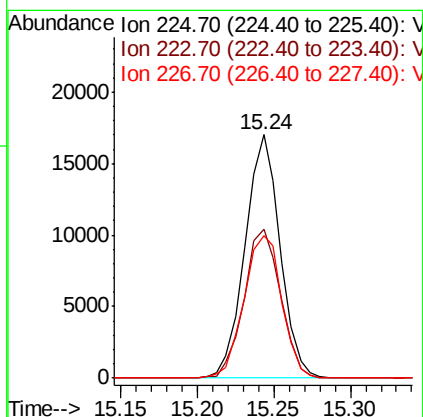
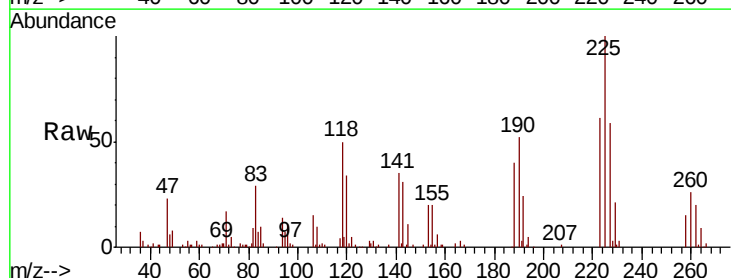
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

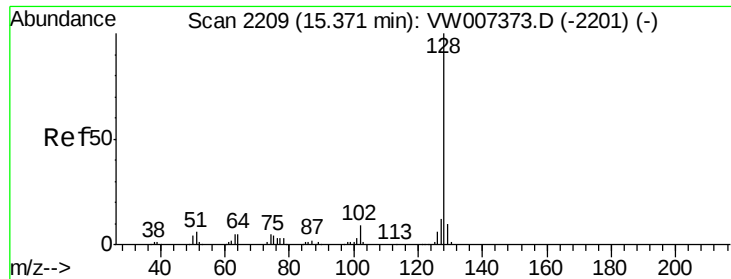
Tgt Ion:180 Resp: 54534
 Ion Ratio Lower Upper
 180 100
 182 96.0 49.9 149.6
 145 35.4 17.8 53.4



#94
 Hexachlorobutadiene
 Concen: 40.907 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007421.D
 Acq: 12 Dec 2018 04:22

Tgt Ion:225 Resp: 27027
 Ion Ratio Lower Upper
 225 100
 223 64.2 32.1 96.3
 227 63.5 31.9 95.9

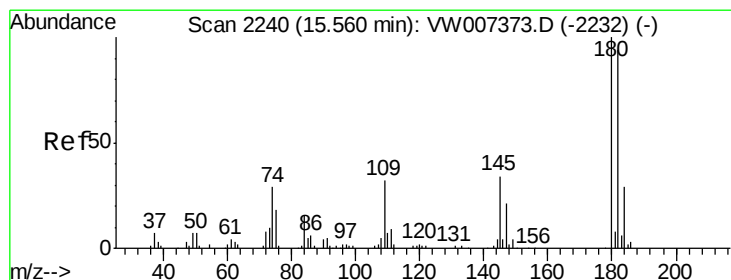
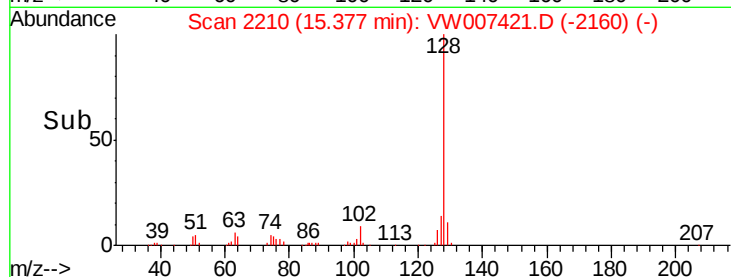
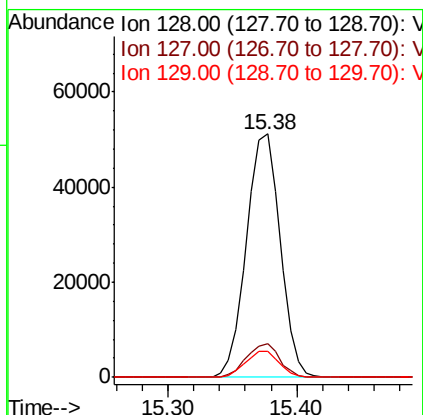
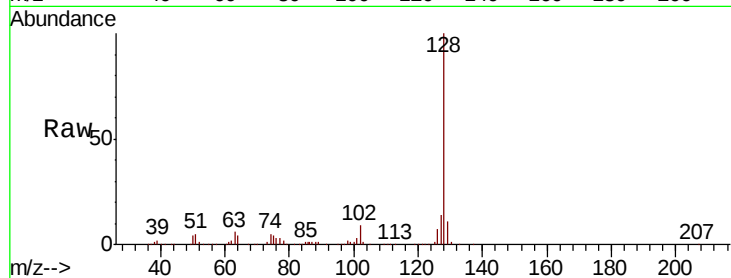




#95
Naphthalene
Concen: 38.925 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tgt Ion:128 Resp: 92726
Ion Ratio Lower Upper
128 100
127 13.8 10.2 15.4
129 10.9 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 44.737 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW007421.D
Acq: 12 Dec 2018 04:22

Tgt Ion:180 Resp: 48392
Ion Ratio Lower Upper
180 100
182 93.7 45.6 136.7
145 36.5 17.5 52.5

