

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008877.D
 Acq On : 28 Feb 2019 10:09
 Operator : SY/VA
 Sample : BFB
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: Mar 01 05:57:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	2251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.83	114	2651	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.63	117	3529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	2236	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	717	33.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.92%	
35) Dibromofluoromethane	7.88	113	373	23.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.86%	
50) Toluene-d8	10.33	98	2764	44.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.96%	
62) 4-Bromofluorobenzene	12.62	95	258705	10753.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21506.86%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	1255	55.665	ug/l	74
3) Chloromethane	2.22	50	852	31.045	ug/l #	1
4) Vinyl Chloride	2.36	62	99	3.407	ug/l #	7
5) Bromomethane	2.77	94	445	20.619	ug/l #	34
6) Chloroethane	2.87	64	355	17.205	ug/l	94
7) Trichlorofluoromethane	3.24	101	190	5.170	ug/l #	50
8) Diethyl Ether	3.70	74	98	8.423	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	4.06	101	72	3.226	ug/l #	16
10) Methyl Iodide	4.27	142	337	12.076	ug/l #	71
11) Tert butyl alcohol	5.19	59	200	106.408	ug/l #	60
12) 1,1-Dichloroethene	4.02	96	55	2.791	ug/l #	1
13) Acrolein	3.88	56	136	82.952	ug/l #	76
14) Allyl chloride	4.68	41	319	9.378	ug/l #	58
15) Acrylonitrile	5.35	53	91	18.225	ug/l #	45
16) Acetone	4.13	43	1960	400.517	ug/l #	59
17) Carbon Disulfide	4.38	76	260	3.976	ug/l #	73
18) Methyl Acetate	4.67	43	144	12.406	ug/l #	86
19) Methyl tert-butyl Ether	5.42	73	94	1.762	ug/l #	56
20) Methylene Chloride	4.92	84	8165	371.558	ug/l #	86
21) trans-1,2-Dichloroethene	5.42	96	133	5.834	ug/l #	1
22) Diisopropyl ether	6.35	45	79	1.164	ug/l #	3
23) Vinyl Acetate	6.24	43	139	3.315	ug/l #	73
25) 2-Butanone	7.14	43	1327	193.958	ug/l	98
26) 2,2-Dichloropropane	7.13	77	1879	52.635	ug/l #	57
27) cis-1,2-Dichloroethene	7.17	96	36	1.476	ug/l #	1
28) Bromochloromethane	7.49	49	97	5.895	ug/l #	13
29) Tetrahydrofuran	7.52	42	173	39.679	ug/l #	55
30) Chloroform	7.68	83	98	2.429	ug/l #	73
31) Cyclohexane	7.94	56	192	4.824	ug/l #	78
32) 1,1,1-Trichloroethane	7.82	97	141	3.844	ug/l #	40
36) 1,1-Dichloropropene	8.25	75	71	2.751	ug/l	96
37) Ethyl Acetate	7.23	43	116	9.666	ug/l #	70
38) Carbon Tetrachloride	8.05	117	167	6.136	ug/l #	12
39) Methylcyclohexane	9.34	83	422	13.110	ug/l #	91

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 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.32	78	469	6.656	ug/l	99
41) Methacrylonitrile	7.49	41	132	18.713	ug/l #	1
42) 1,2-Dichloroethane	8.40	62	27	1.210	ug/l #	75
43) Isopropyl Acetate	8.43	43	298	12.442	ug/l #	59
44) Trichloroethene	9.09	130	178	8.968	ug/l	77
45) 1,2-Dichloropropane	9.38	63	130	7.466	ug/l #	43
46) Dibromomethane	9.41	93	22	2.272	ug/l #	1
47) Bromodichloromethane	9.62	83	122	5.178	ug/l #	24
48) Methyl methacrylate	9.42	41	394	34.348	ug/l #	30
49) 1,4-Dioxane	9.20	88	55	354.628	ug/l #	1
51) 4-Methyl-2-Pentanone	10.42	43	129	10.609	ug/l	99
52) Toluene	10.39	92	555	11.607	ug/l #	63
53) t-1,3-Dichloropropene	10.64	75	56	2.332	ug/l #	73
54) cis-1,3-Dichloropropene	10.07	75	30	1.095	ug/l #	29
55) 1,1,2-Trichloroethane	10.76	97	308	23.451	ug/l #	39
56) Ethyl methacrylate	10.63	69	148	8.673	ug/l #	60
57) 1,3-Dichloropropane	10.91	76	45	1.941	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.92	63	554	64.552	ug/l #	55
59) 2-Hexanone	10.70	43	242	27.959	ug/l	92
60) Dibromochloromethane	10.99	129	74	4.619	ug/l	96
61) 1,2-Dibromoethane	11.30	107	20	1.538	ug/l #	69
64) Tetrachloroethene	10.87	164	206	8.155	ug/l #	81
65) Chlorobenzene	11.65	112	412	5.552	ug/l #	73
66) 1,1,1,2-Tetrachloroethane	11.71	131	229	9.127	ug/l #	64
67) Ethyl Benzene	11.73	91	1239	9.340	ug/l #	85
68) m/p-Xylenes	11.83	106	433	8.170	ug/l #	1
69) o-Xylene	12.16	106	447	8.985	ug/l	96
70) Stvrene	12.18	104	432	5.398	ug/l #	37
71) Bromoform	12.35	173	56	4.152	ug/l #	29
73) Isopropylbenzene	12.47	105	1096	7.150	ug/l	92
74) N-amyl acetate	12.28	43	720	18.647	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.71	83	308	12.297	ug/l #	48
76) 1,2,3-Trichloropropane	12.62	75	136280	7381.987	ug/l #	100
77) Bromobenzene	12.76	156	1251	34.536	ug/l #	32
78) n-propylbenzene	12.81	91	1130	6.026	ug/l	99
79) 2-Chlorotoluene	12.88	91	354	3.325	ug/l	87
80) 1,3,5-Trimethylbenzene	12.95	105	967	7.259	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.62	75	136280	17946.174	ug/l #	6
82) 4-Chlorotoluene	12.99	91	522	4.653	ug/l	89
83) tert-Butylbenzene	13.20	119	921	7.996	ug/l	94
84) 1,2,4-Trimethylbenzene	13.25	105	1142	8.282	ug/l	89
85) sec-Butylbenzene	13.38	105	1035	6.249	ug/l	94
86) p-Isopropyltoluene	13.50	119	1057	6.962	ug/l #	54
87) 1,3-Dichlorobenzene	13.49	146	622	8.276	ug/l #	68
88) 1,4-Dichlorobenzene	13.58	146	511	6.899	ug/l #	57
89) n-Butylbenzene	13.83	91	1252	8.802	ug/l	92
90) Hexachloroethane	14.08	117	178	7.161	ug/l	91
91) 1,2-Dichlorobenzene	13.88	146	548	8.183	ug/l	74
92) 1,2-Dibromo-3-Chloropropan	14.47	75	150	33.107	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.13	180	440	9.119	ug/l	77

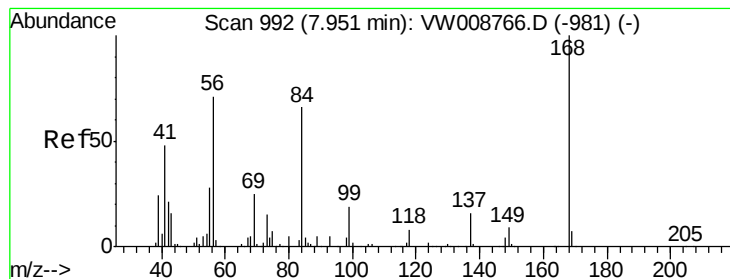
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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.25	225	240	8.445	ug/l #	63
95) Naphthalene	15.38	128	988	12.027	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.57	180	620	14.862	ug/l #	22

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampleId :

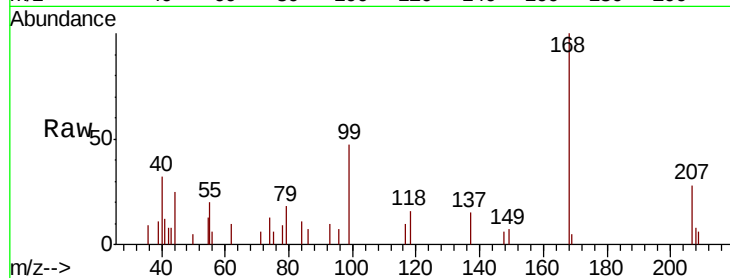
BFB

Tot Ion:168 Resp: 2251

Ion Ratio Lower Upper

168 100

99 47.3 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

1200

1000

800

600

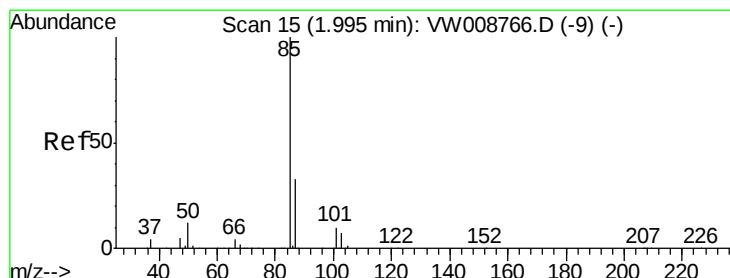
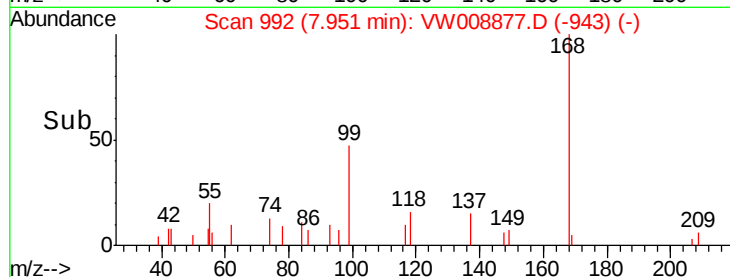
400

200

0

7.90 7.95 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 55.665 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008877.D

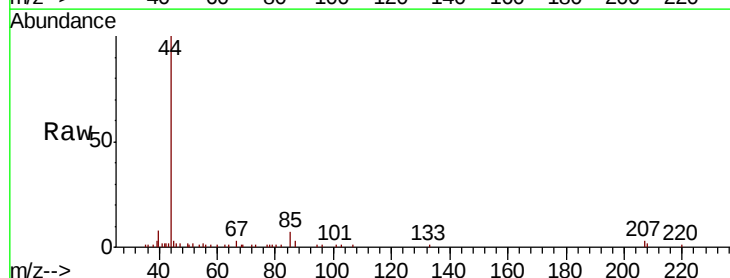
Acq: 28 Feb 2019 10:09

Tgt Ion: 85 Resp: 1255

Ion Ratio Lower Upper

85 100

87 47.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

800

600

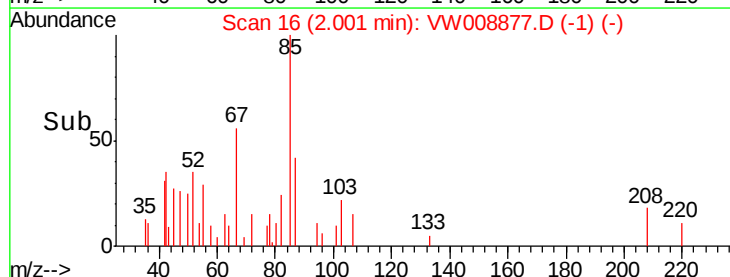
400

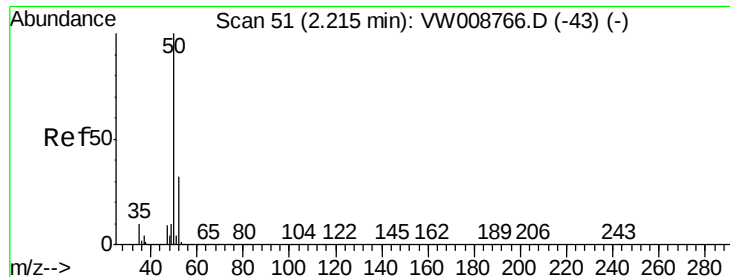
200

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 31.045 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampled :

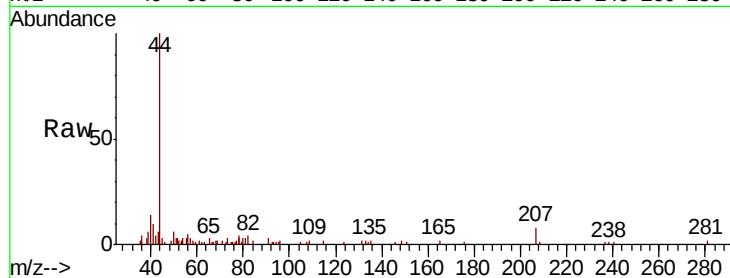
BFB

Tot Ion: 50 Resp: 852

Ion Ratio Lower Upper

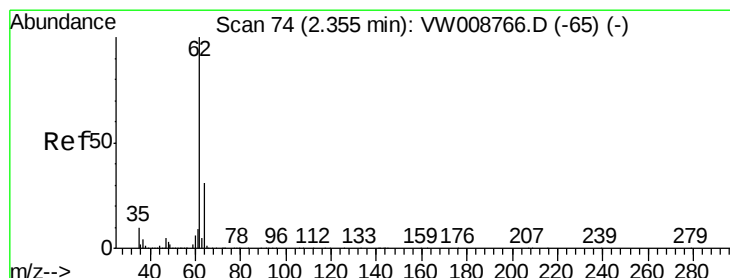
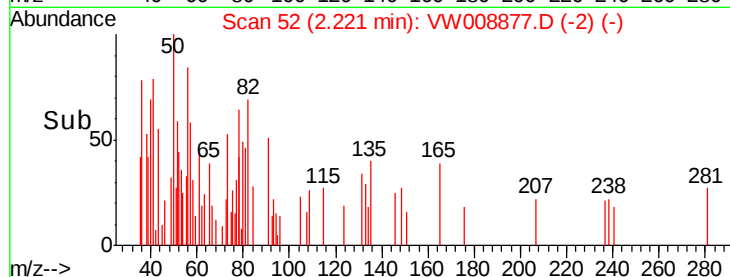
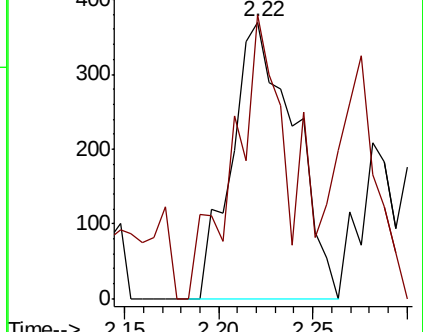
50 100

52 102.4 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 3.407 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW008877.D

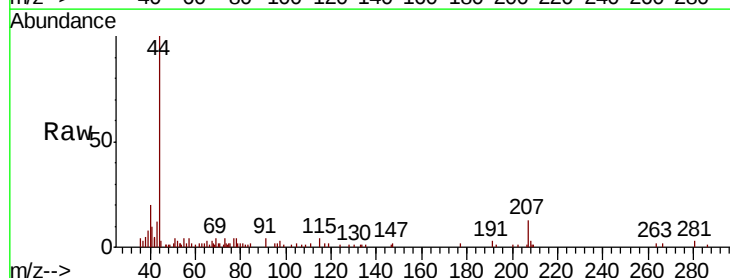
Acq: 28 Feb 2019 10:09

Tgt Ion: 62 Resp: 99

Ion Ratio Lower Upper

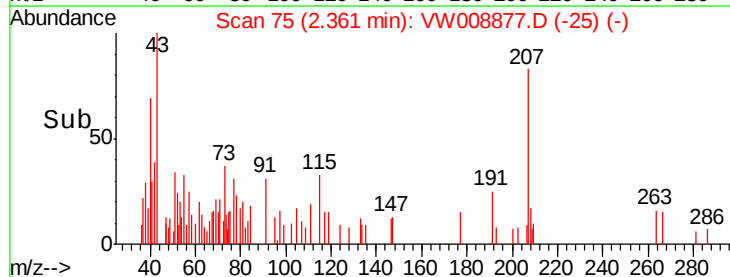
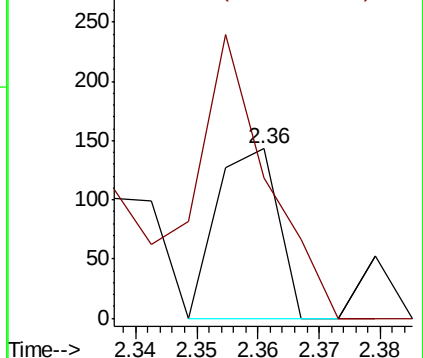
62 100

64 82.5 24.9 37.3#



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 20.619 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampled :

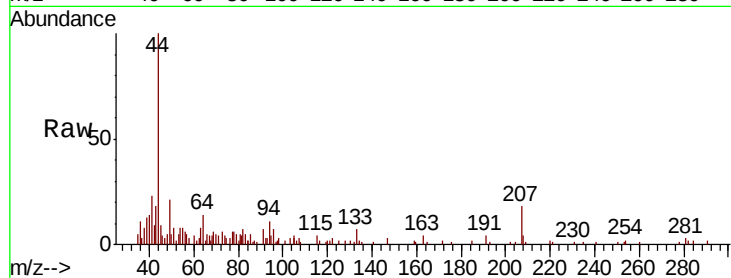
BFB

Tot Ion: 94 Resp: 445

Ion Ratio Lower Upper

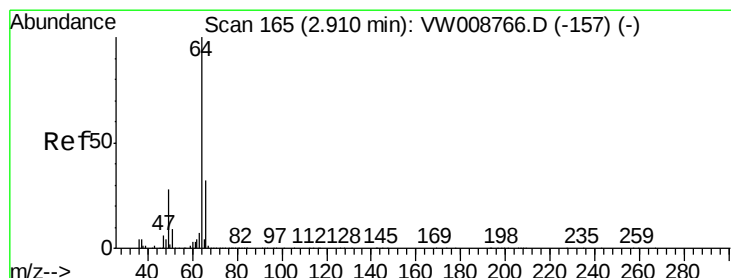
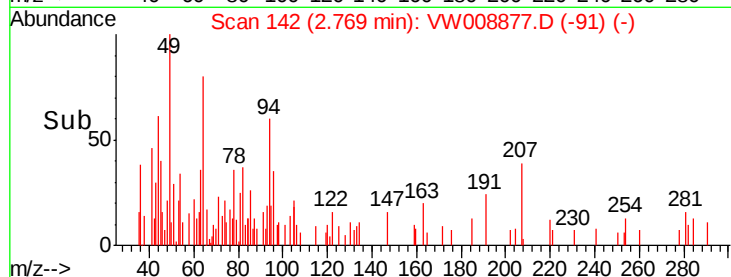
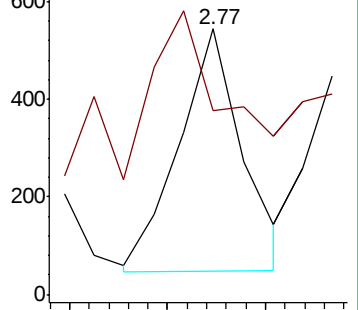
94 100

96 28.9 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 17.205 ug/l

RT: 2.87 min Scan# 158

Delta R.T. -0.04 min

Lab File: VW008877.D

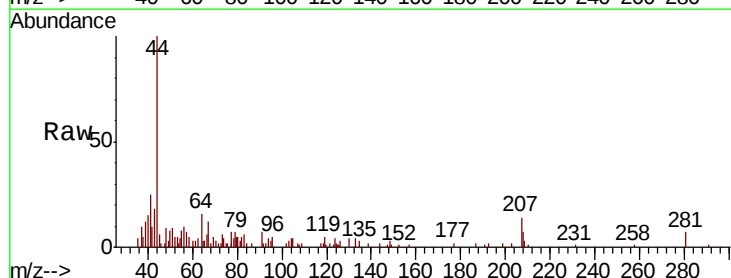
Acq: 28 Feb 2019 10:09

Tgt Ion: 64 Resp: 355

Ion Ratio Lower Upper

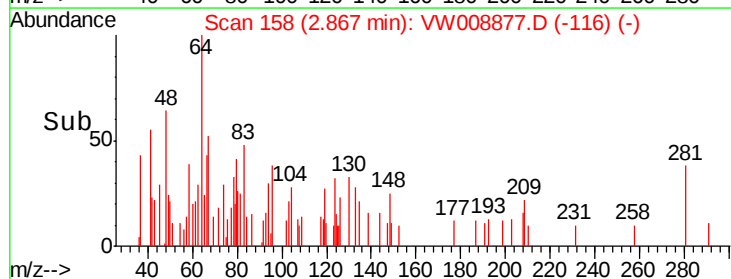
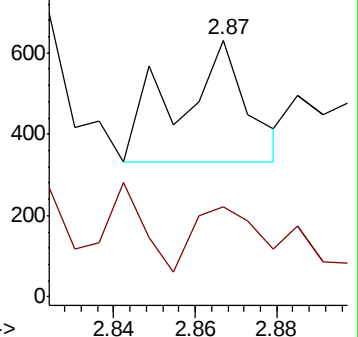
64 100

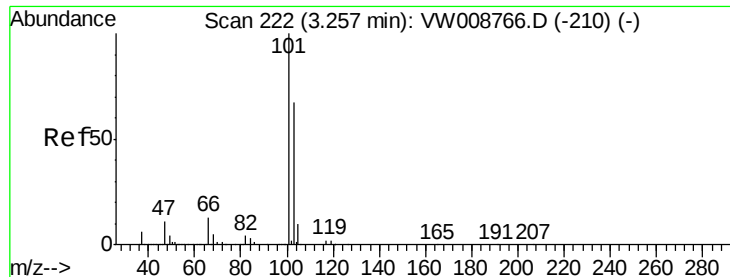
66 35.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



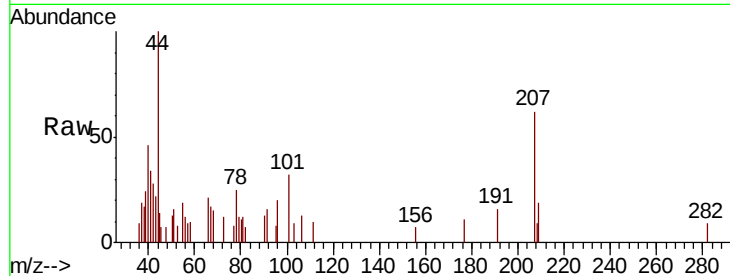


#7

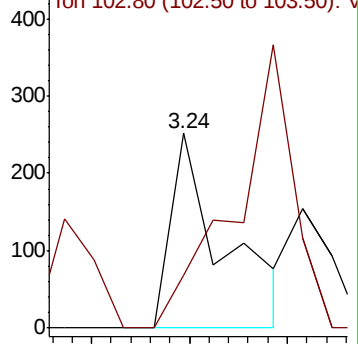
Trichlorofluoromethane
 Concen: 5.170 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.02 min
 Lab File: VW008877.D
 Acq: 28 Feb 2019 10:09

Instrument :
 MSVOA_W
 ClientSampled :
 BFB

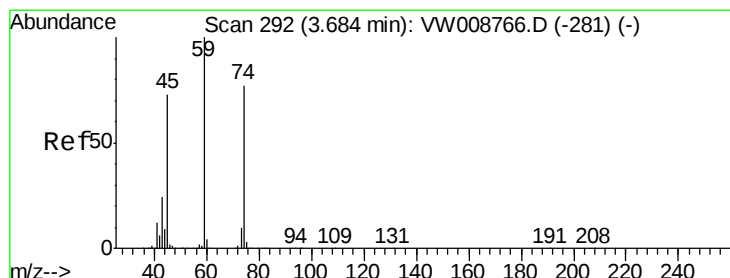
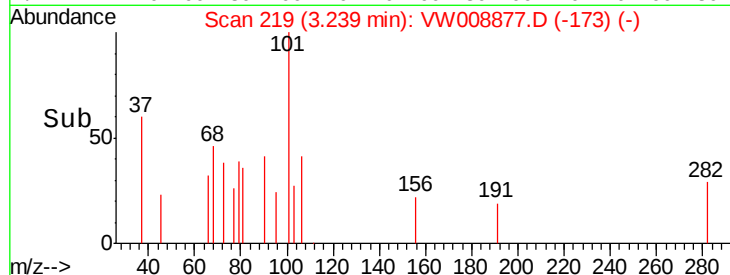
Tot Ion:101 Resp: 190
 Ion Ratio Lower Upper
 101 100
 103 27.4 53.9 80.9#



Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



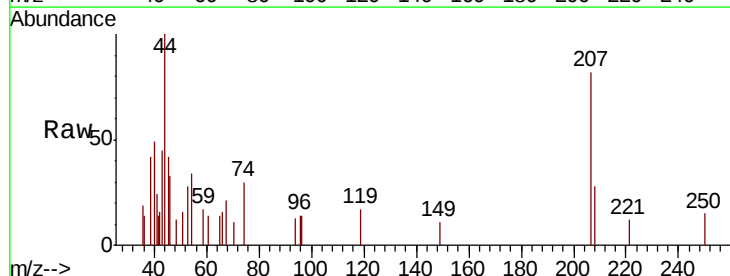
Time-->



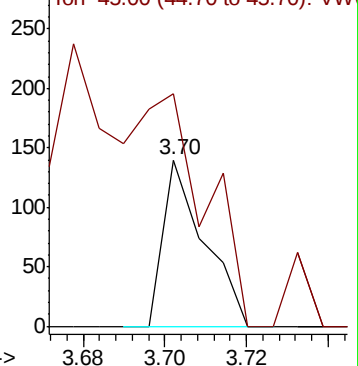
#8

Diethyl Ether
 Concen: 8.423 ug/l
 RT: 3.70 min Scan# 295
 Delta R.T. 0.02 min
 Lab File: VW008877.D
 Acq: 28 Feb 2019 10:09

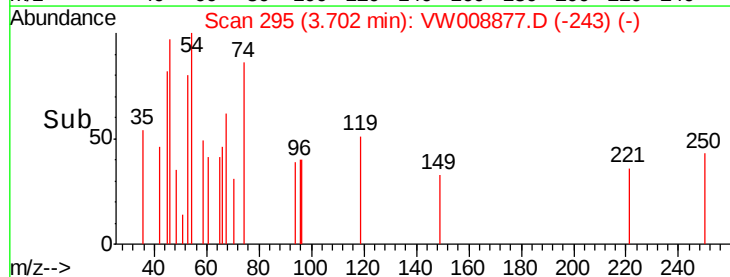
Tgt Ion: 74 Resp: 98
 Ion Ratio Lower Upper
 74 100
 45 0.0 50.2 150.6#

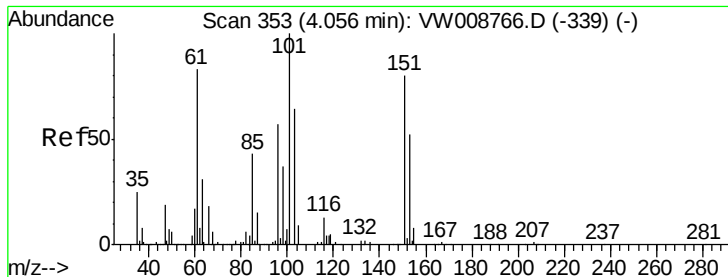


Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.226 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampled :

BFB

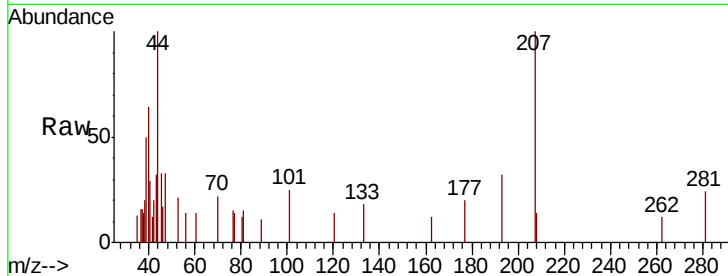
Tot Ion:101 Resp: 72

Ion Ratio Lower Upper

101 100

85 0.0 36.0 54.0#

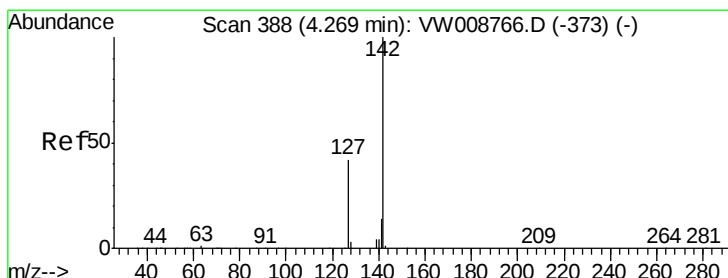
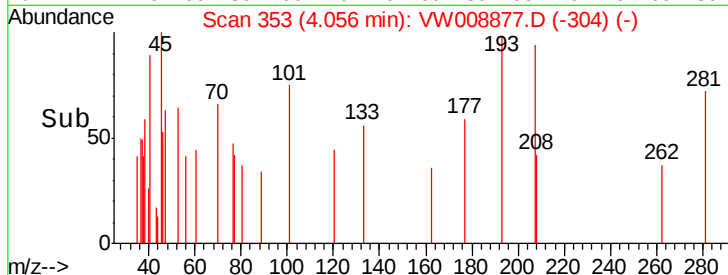
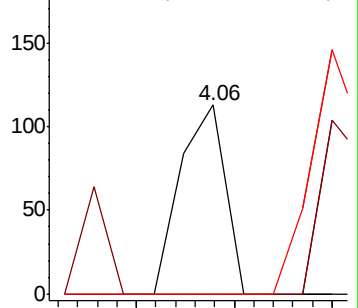
151 0.0 65.5 98.3#



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: 12.076 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

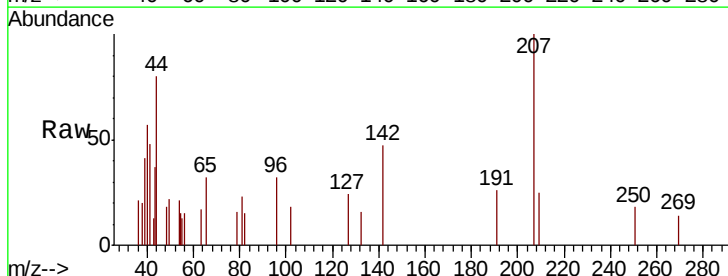
Tgt Ion:142 Resp: 337

Ion Ratio Lower Upper

142 100

127 23.4 35.3 52.9#

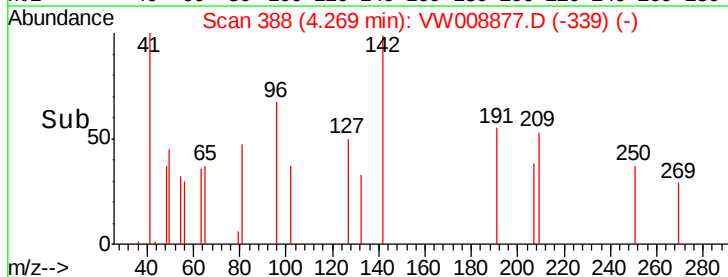
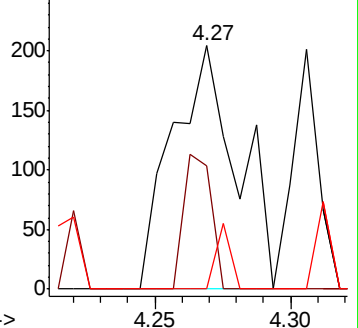
141 5.9 11.7 17.5#

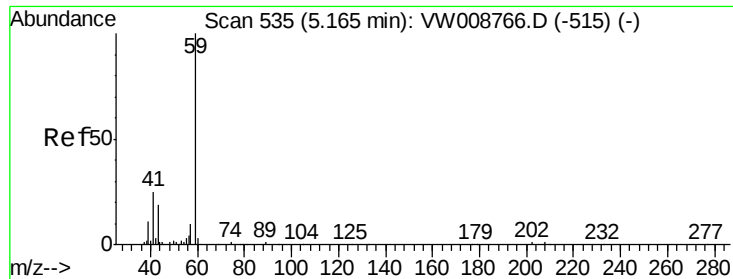


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

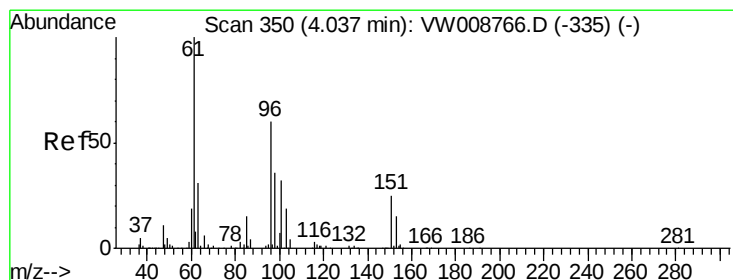
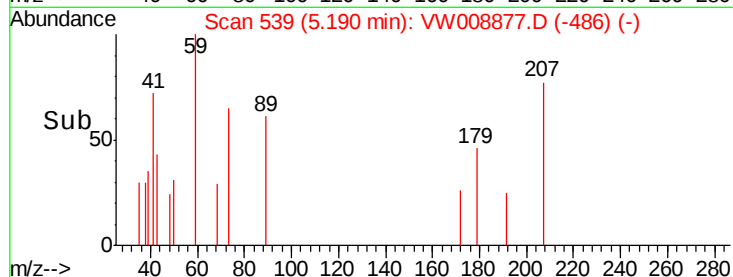
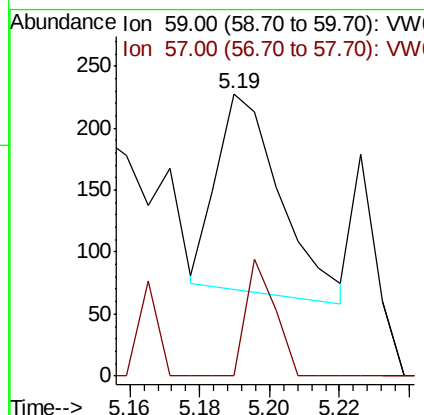
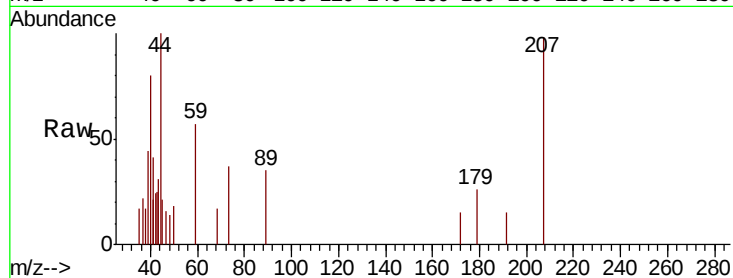




#11
Tert butyl alcohol
Concen: 106.408 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW008877.D
Acq: 28 Feb 2019 10:09

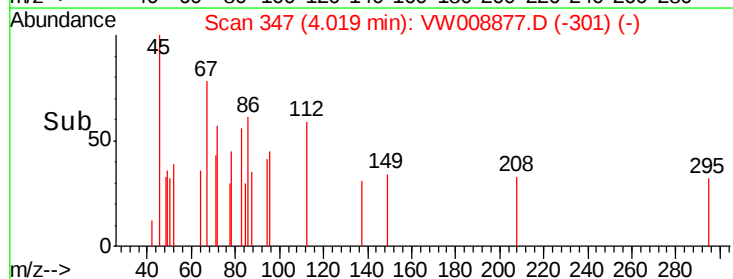
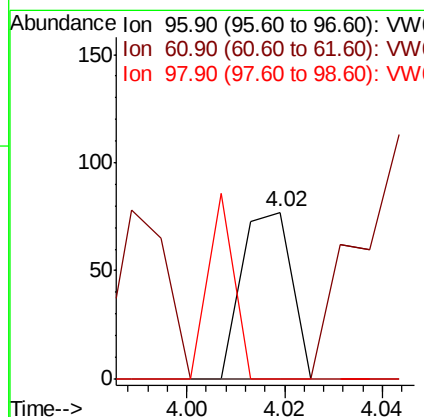
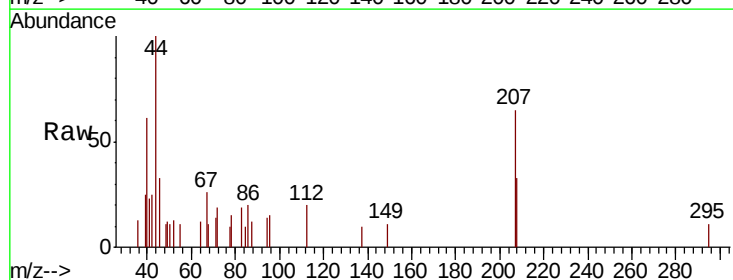
Instrument :
MSVOA_W
ClientSampled :
BFB

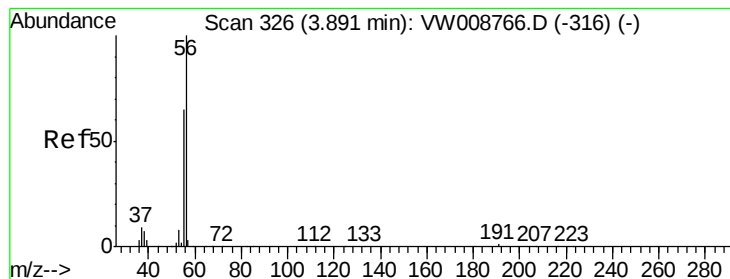
Tot Ion: 59 Resp: 200
Ion Ratio Lower Upper
59 100
57 27.0 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 2.791 ug/l
RT: 4.02 min Scan# 347
Delta R.T. -0.02 min
Lab File: VW008877.D
Acq: 28 Feb 2019 10:09

Tgt Ion: 96 Resp: 55
Ion Ratio Lower Upper
96 100
61 0.0 132.5 198.7#
98 0.0 48.2 72.4#





#13

Acrolein

Concen: 82.952 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampled :

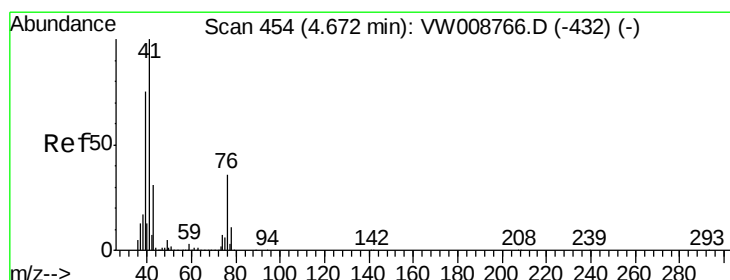
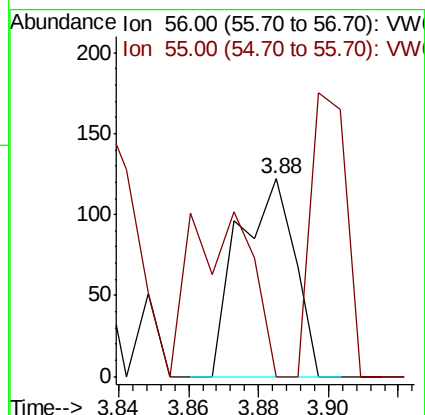
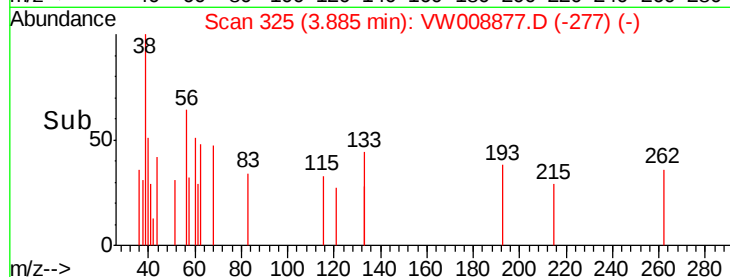
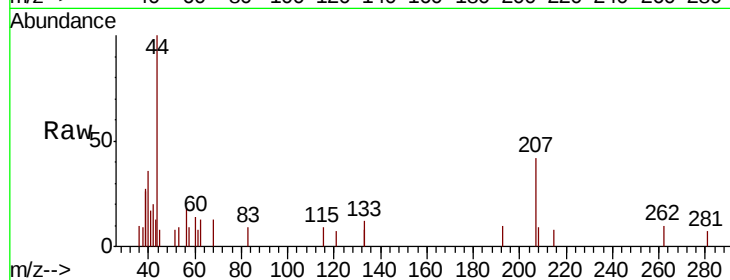
BFB

Tot Ion: 56 Resp: 136

Ion Ratio Lower Upper

56 100

55 91.2 56.9 85.3#



#14

Allyl chloride

Concen: 9.378 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

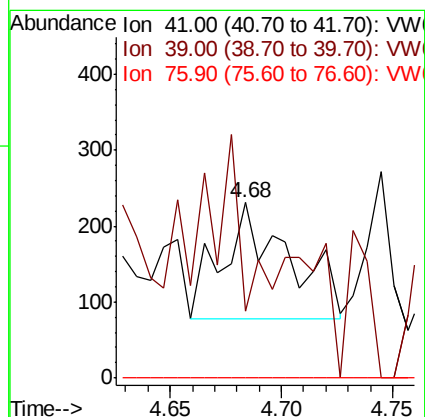
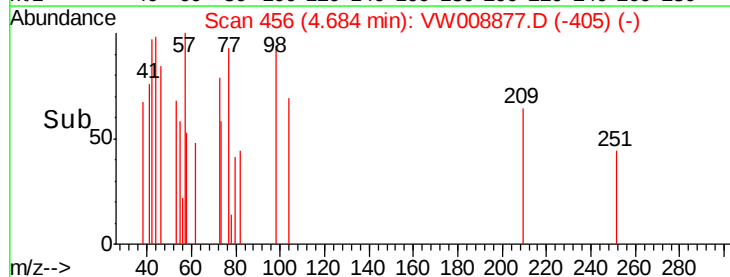
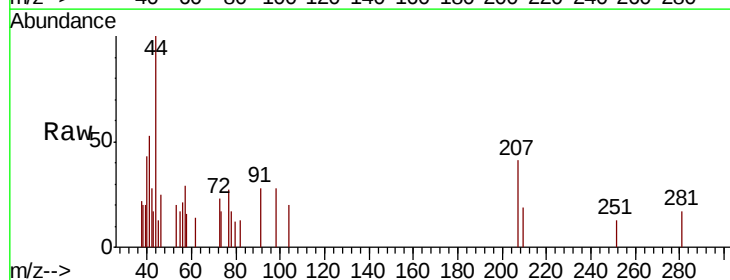
Tgt Ion: 41 Resp: 319

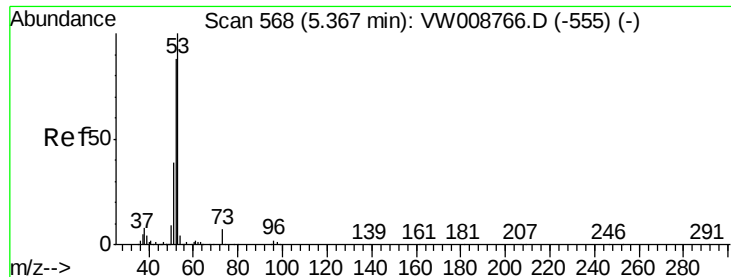
Ion Ratio Lower Upper

41 100

39 47.6 60.6 91.0#

76 0.0 28.6 42.8#





#15

Acrylonitrile

Concen: 18.225 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampled :

BFB

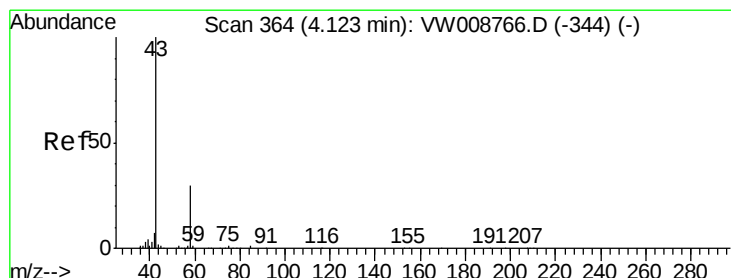
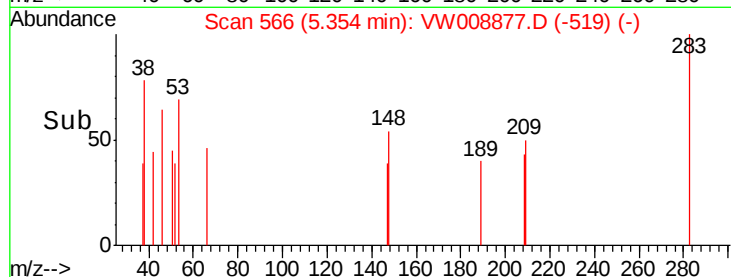
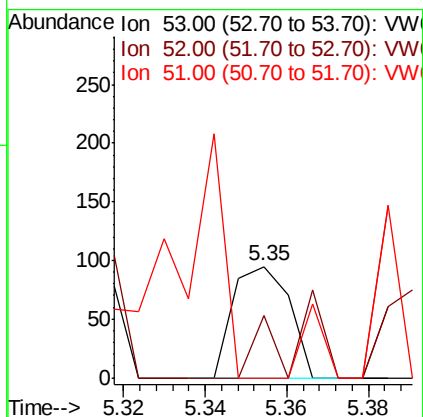
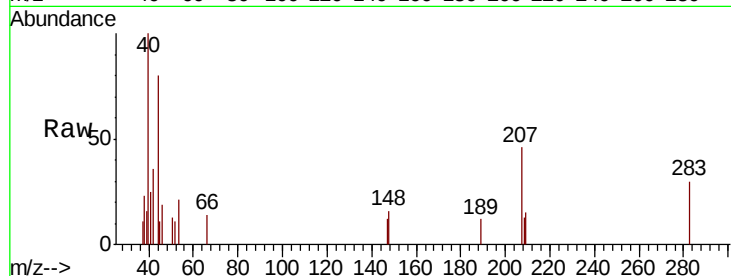
Tot Ion: 53 Resp: 91

Ion Ratio Lower Upper

53 100

52 20.9 67.2 100.8#

51 25.3 31.1 46.7#



#16

Acetone

Concen: 400.517 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008877.D

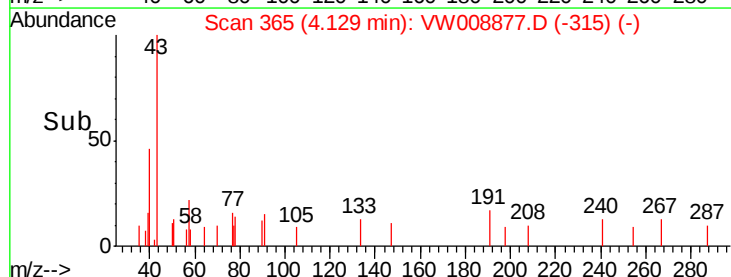
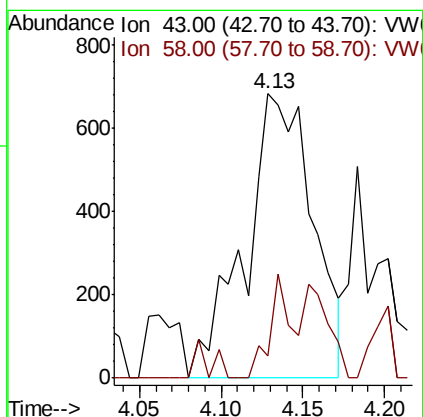
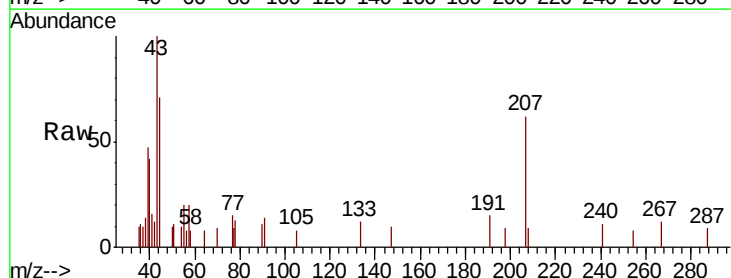
Acq: 28 Feb 2019 10:09

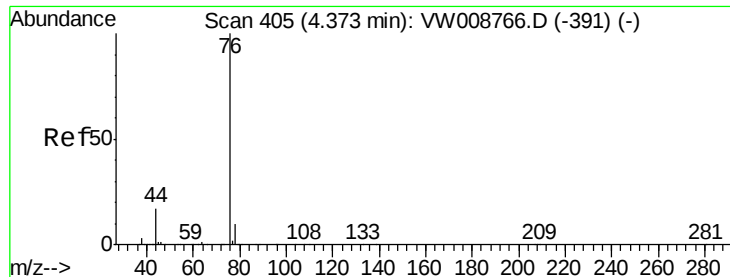
Tgt Ion: 43 Resp: 1960

Ion Ratio Lower Upper

43 100

58 7.6 23.8 35.6#





#17

Carbon Disulfide

Concen: 3.976 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampled :

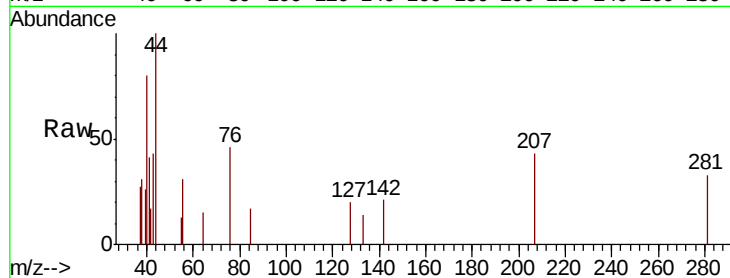
BFB

Tot Ion: 76 Resp: 260

Ion Ratio Lower Upper

76 100

78 0.0 7.8 11.8#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

200

150

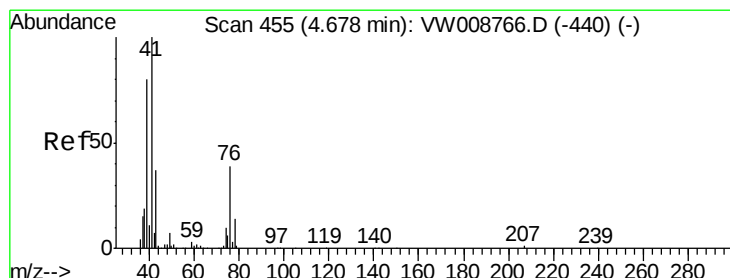
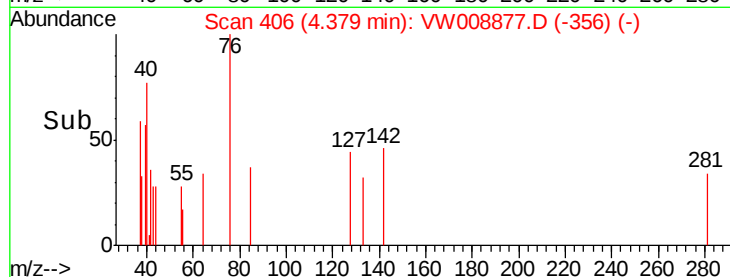
100

50

0

4.32 4.34 4.36 4.38 4.40

Time-->



#18

Methyl Acetate

Concen: 12.406 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW008877.D

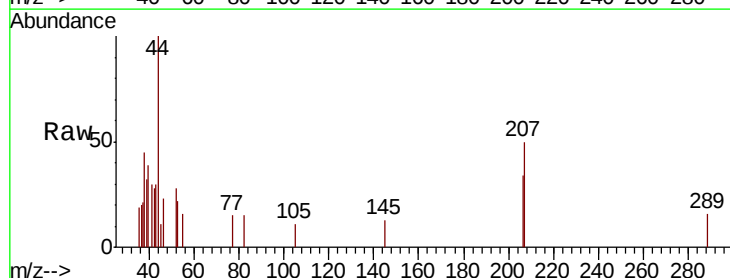
Acq: 28 Feb 2019 10:09

Tgt Ion: 43 Resp: 144

Ion Ratio Lower Upper

43 100

74 31.3 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

200

150

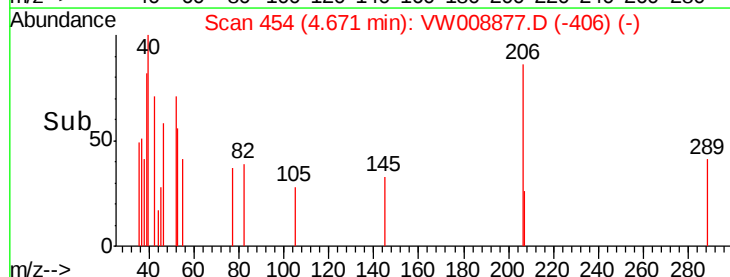
100

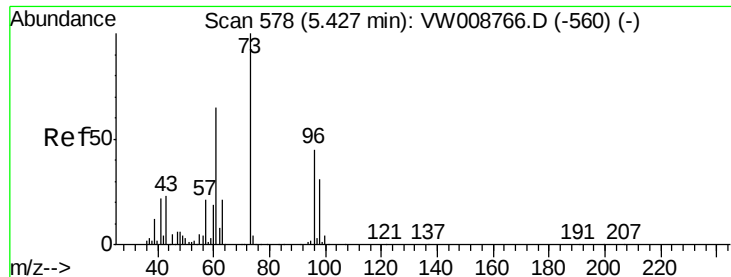
50

0

4.65 4.66 4.67 4.68 4.69

Time-->



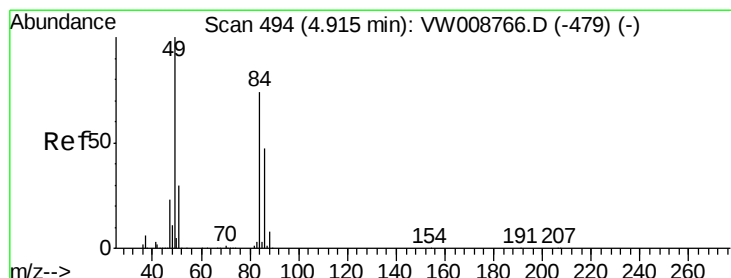
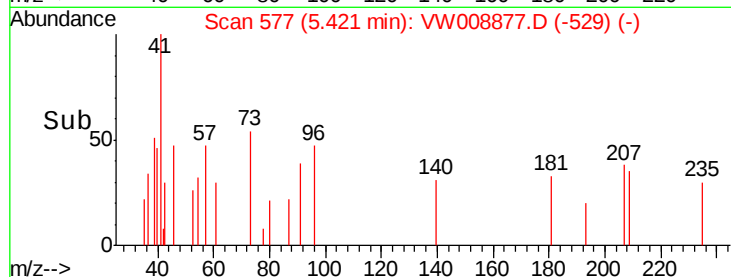
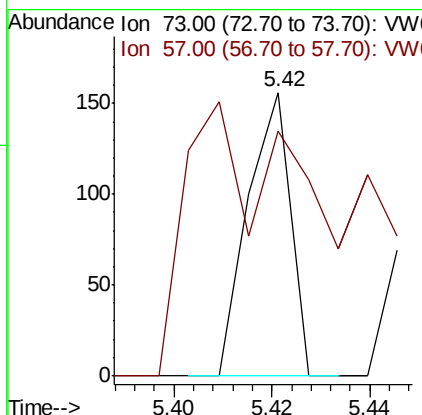
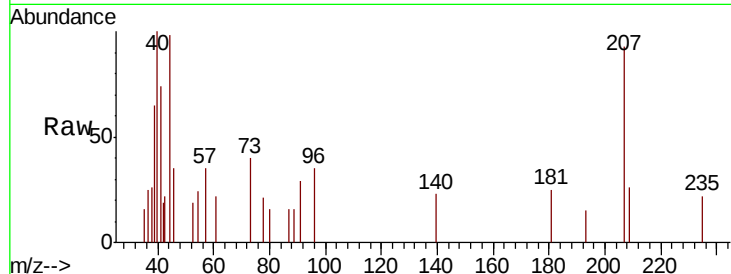


#19

Methyl tert-butyl Ether
 Concen: 1.762 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW008877.D
 Acq: 28 Feb 2019 10:09

Instrument :
 MSVOA_W
 ClientSampleID :
 BFB

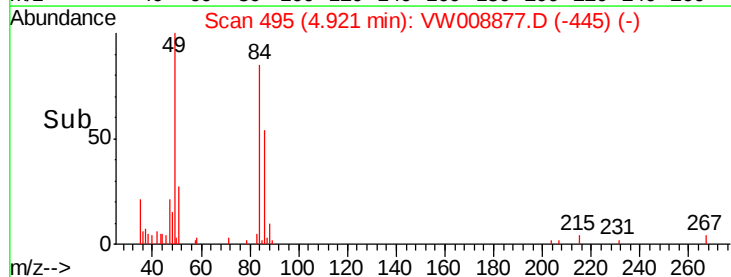
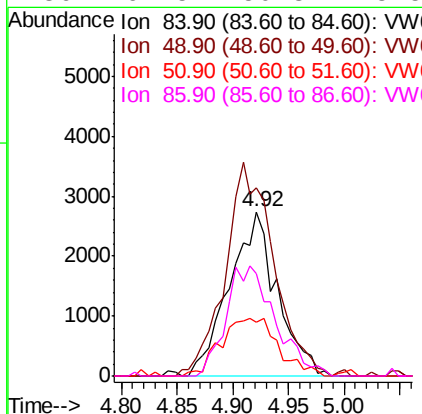
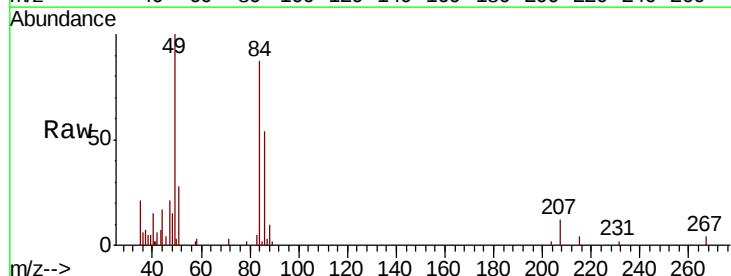
Tot Ion: 73 Resp: 94
 Ion Ratio Lower Upper
 73 100
 57 41.7 16.8 25.2#

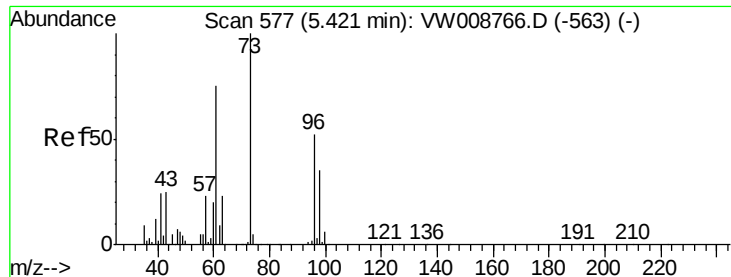


#20

Methylene Chloride
 Concen: 371.558 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.01 min
 Lab File: VW008877.D
 Acq: 28 Feb 2019 10:09

Tgt Ion: 84 Resp: 8165
 Ion Ratio Lower Upper
 84 100
 49 112.6 108.2 162.2
 51 30.8 32.7 49.1#
 86 62.5 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 5.834 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampled :

BFB

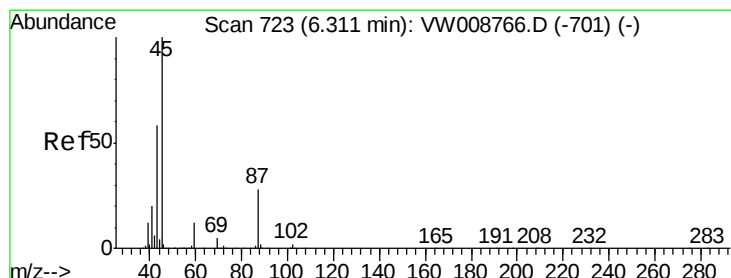
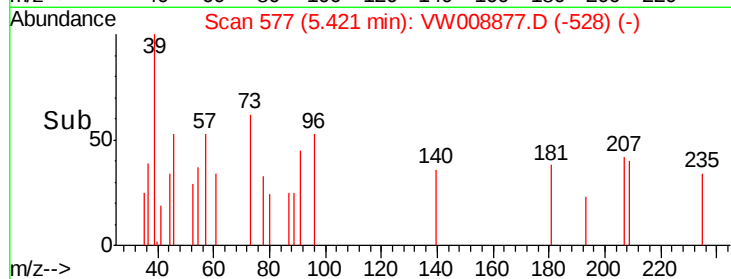
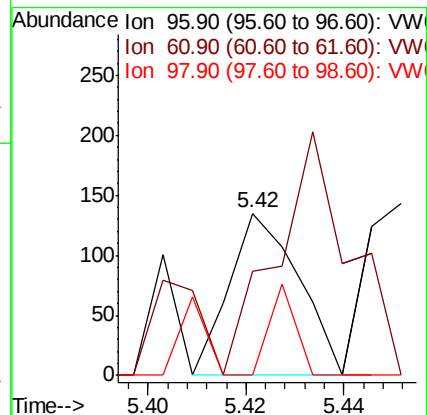
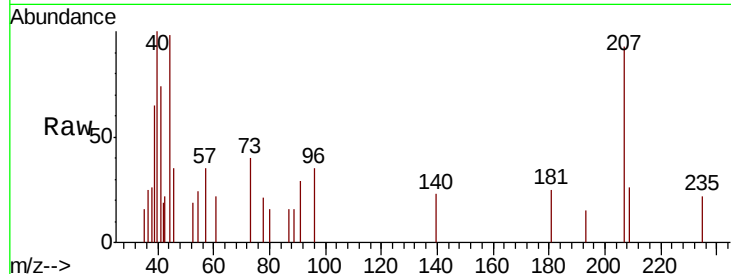
Tot Ion: 96 Resp: 133

Ion Ratio Lower Upper

96 100

61 11.9 114.6 171.8#

98 0.0 54.0 81.0#



#22

Diisopropyl ether

Concen: 1.164 ug/l

RT: 6.35 min Scan# 729

Delta R.T. 0.04 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Tgt Ion: 45 Resp: 79

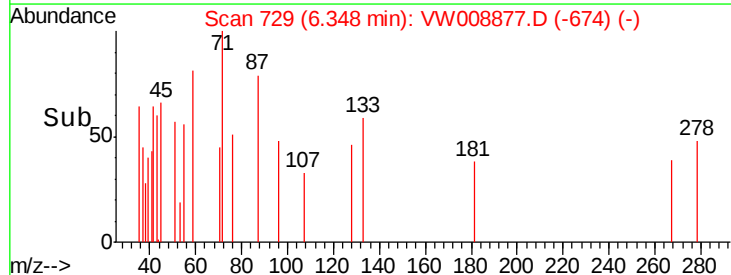
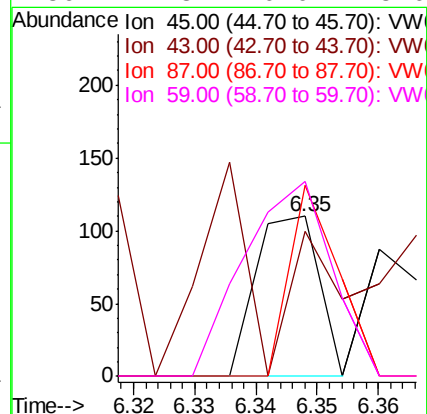
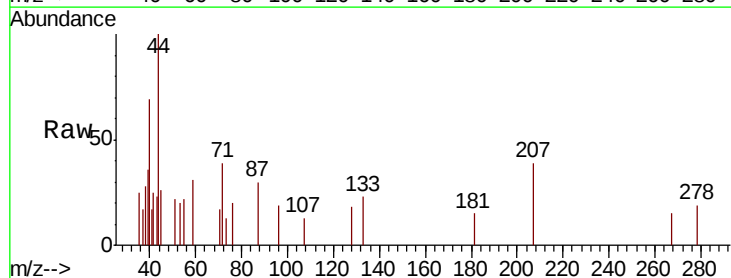
Ion Ratio Lower Upper

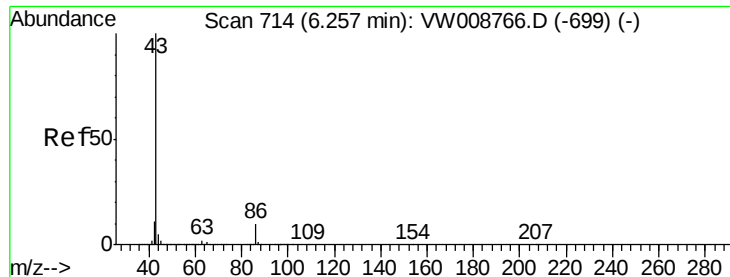
45 100

43 42.7 46.1 69.1#

87 119.1 22.2 33.4#

59 121.8 10.0 15.0#





#23

Vinyl Acetate

Concen: 3.315 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampled :

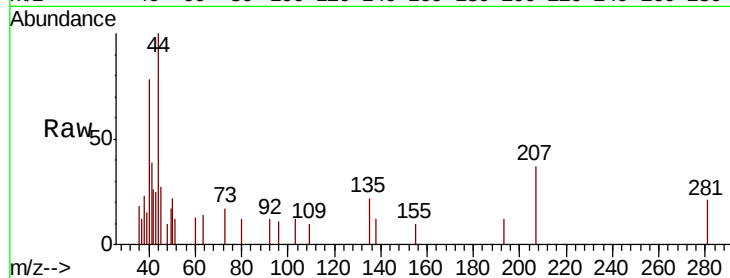
BFB

Tot Ion: 43 Resp: 139

Ion Ratio Lower Upper

43 100

86 0.0 8.1 12.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.24

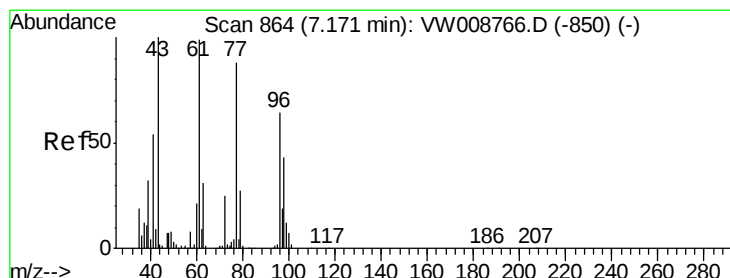
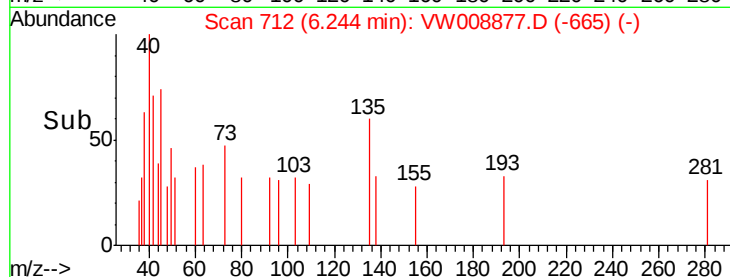
100

50

0

6.22 6.24 6.26

Time-->



#25

2-Butanone

Concen: 193.958 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW008877.D

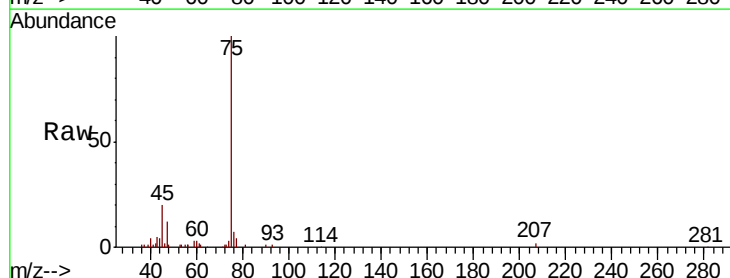
Acq: 28 Feb 2019 10:09

Tgt Ion: 43 Resp: 1327

Ion Ratio Lower Upper

43 100

72 25.5 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

800

600

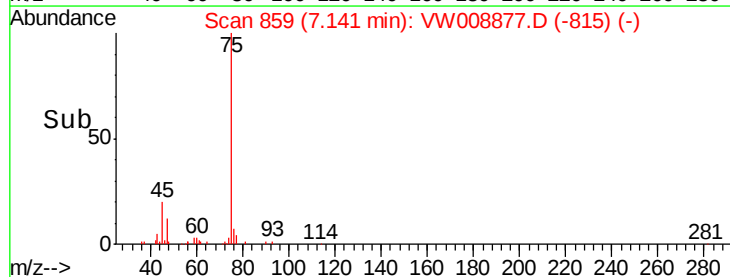
400

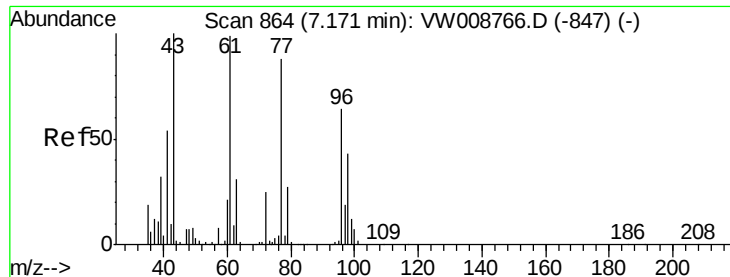
200

0

7.10 7.14 7.18 7.22 7.25

Time-->





#26

2,2-Dichloropropane

Concen: 52.635 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampled :

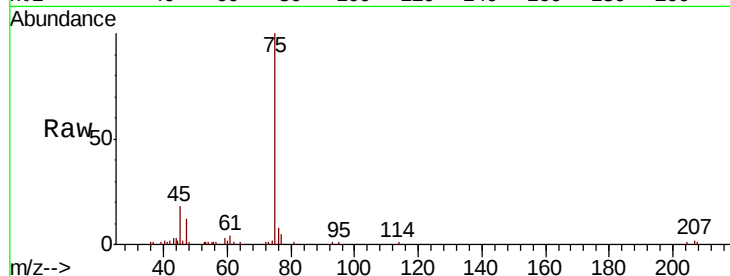
BFB

Tot Ion: 77 Resp: 1879

Ion Ratio Lower Upper

77 100

97 1.3 11.0 33.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.13

600

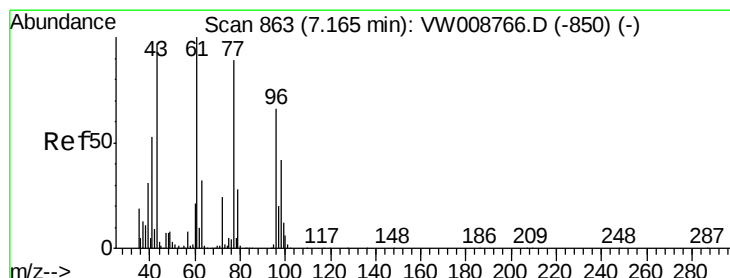
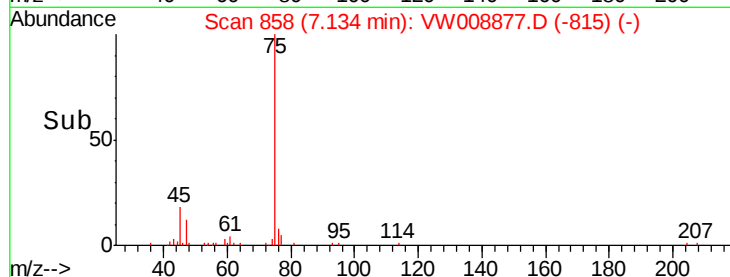
400

200

0

7.05 7.10 7.15 7.20

Time-->



#27

cis-1,2-Dichloroethene

Concen: 1.476 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

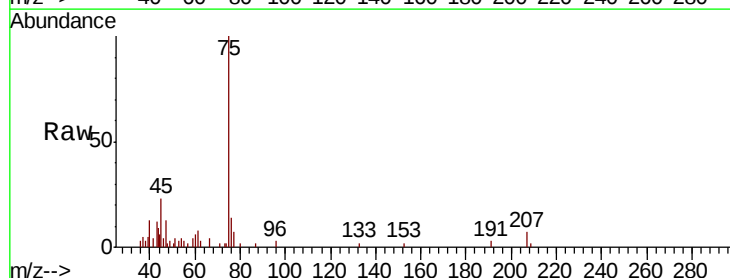
Tgt Ion: 96 Resp: 36

Ion Ratio Lower Upper

96 100

61 3475.0 0.0 302.6#

98 0.0 0.0 130.0



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

600

500

400

300

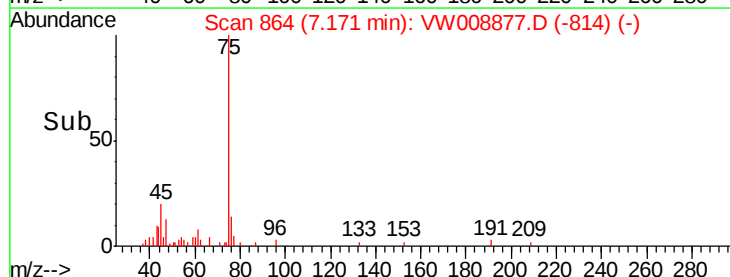
200

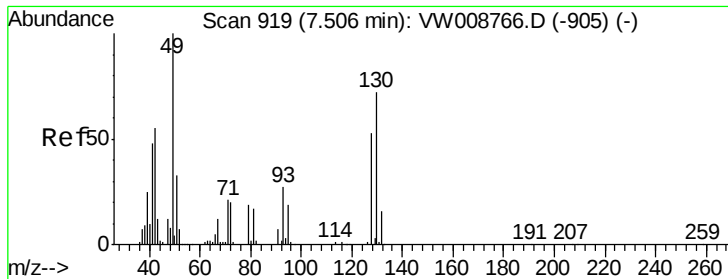
100

0

7.15 7.16 7.17 7.18

Time-->





#28

Bromochloromethane

Concen: 5.895 ug/l

RT: 7.49 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampleId :

BFB

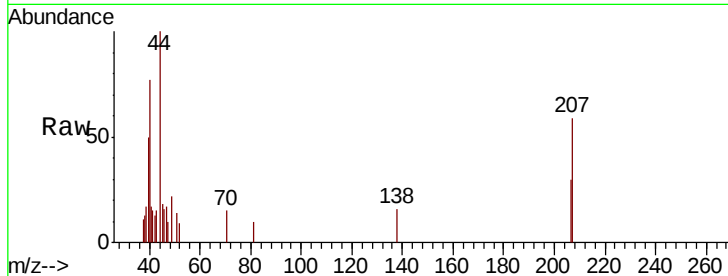
Tot Ion: 49 Resp: 97

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.6

130 0.0 61.3 91.9#



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

7.49

150

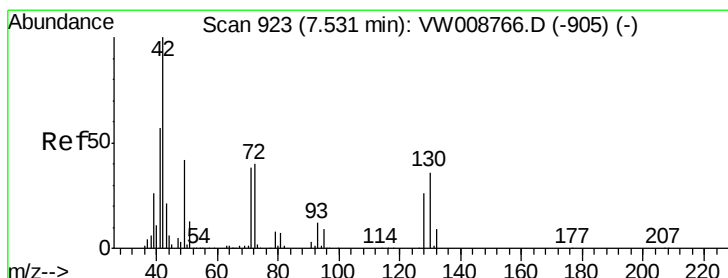
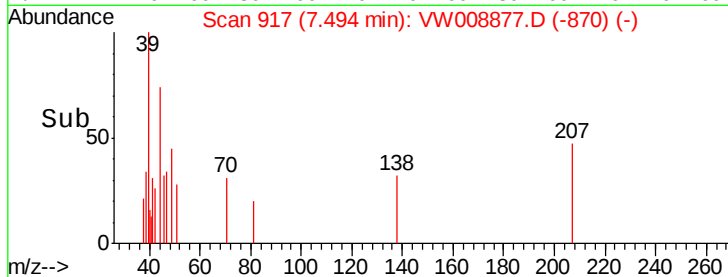
100

50

0

7.48 7.50

Time-->



#29

Tetrahydrofuran

Concen: 39.679 ug/l

RT: 7.52 min Scan# 921

Delta R.T. -0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

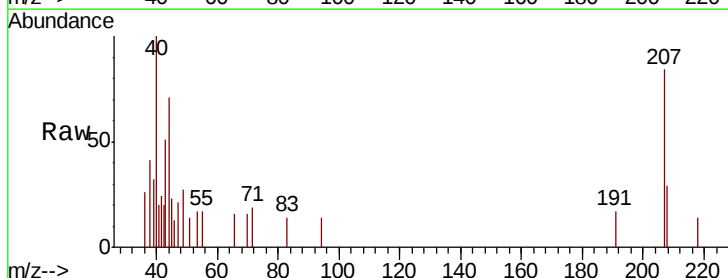
Tgt Ion: 42 Resp: 173

Ion Ratio Lower Upper

42 100

72 0.0 32.7 49.1#

71 24.3 31.3 46.9#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

200

150

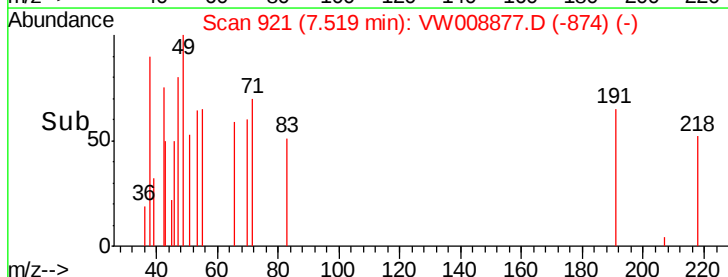
100

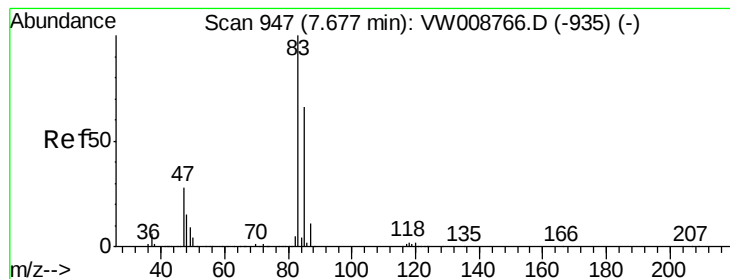
50

0

7.51 7.52 7.53

Time-->





#30

Chloroform

Concen: 2.429 ug/l

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampleId :

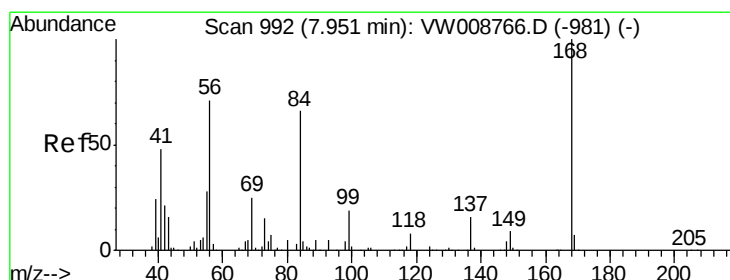
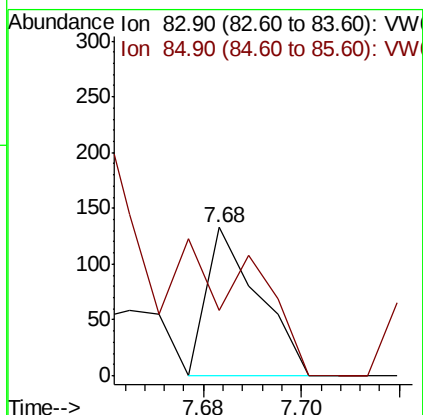
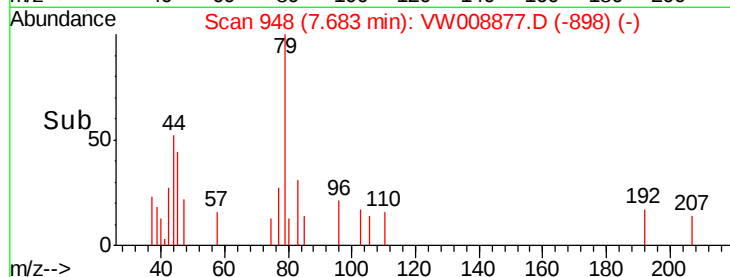
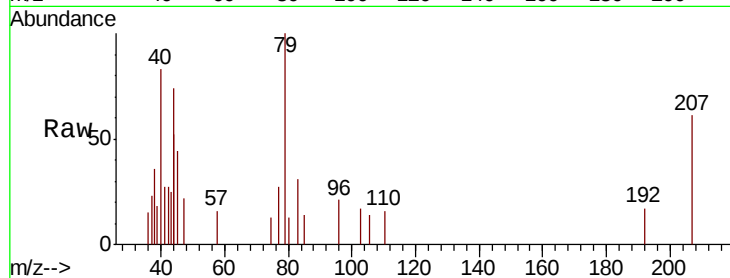
BFB

Tot Ion: 83 Resp: 98

Ion Ratio Lower Upper

83 100

85 44.4 52.6 79.0#



#31

Cyclohexane

Concen: 4.824 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

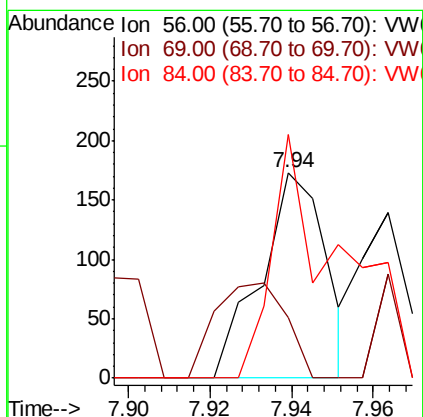
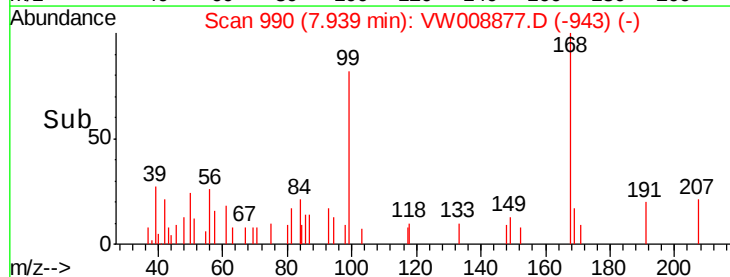
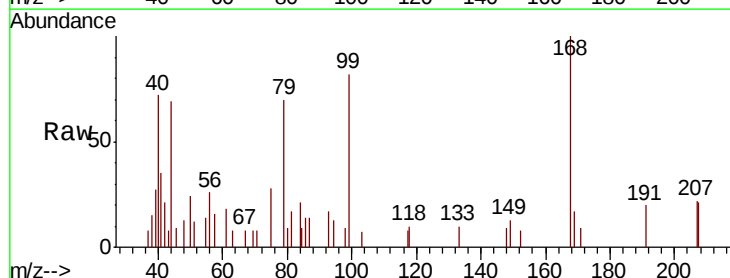
Tgt Ion: 56 Resp: 192

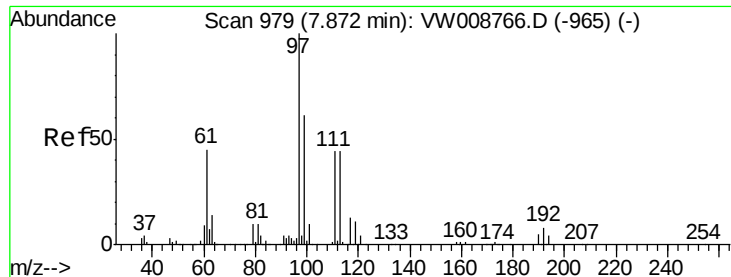
Ion Ratio Lower Upper

56 100

69 29.5 28.2 42.4

84 118.5 74.1 111.1#

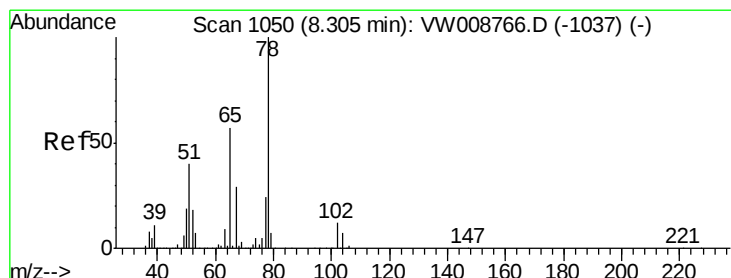
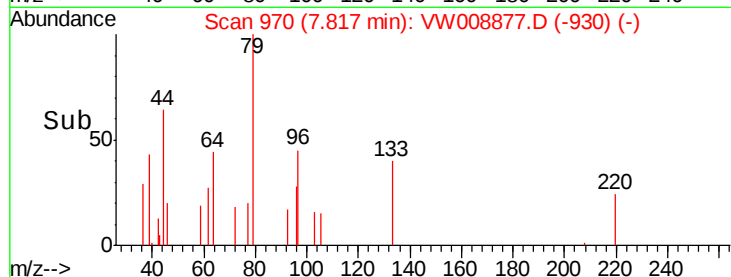
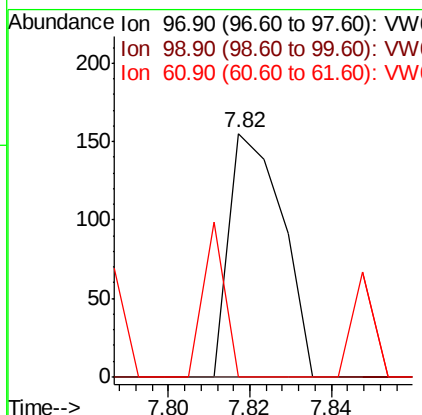
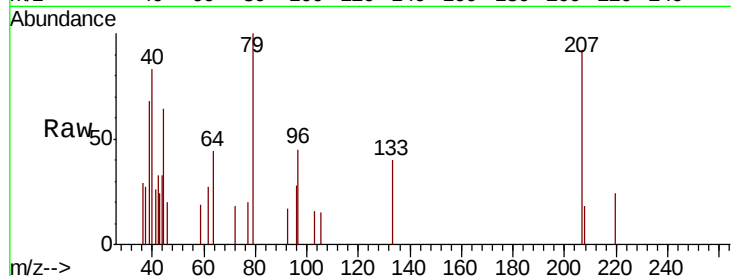




#32
 1,1,1-Trichloroethane
 Concen: 3.844 ug/l
 RT: 7.82 min Scan# 970
 Delta R.T. -0.05 min
 Lab File: VW008877.D
 Acq: 28 Feb 2019 10:09

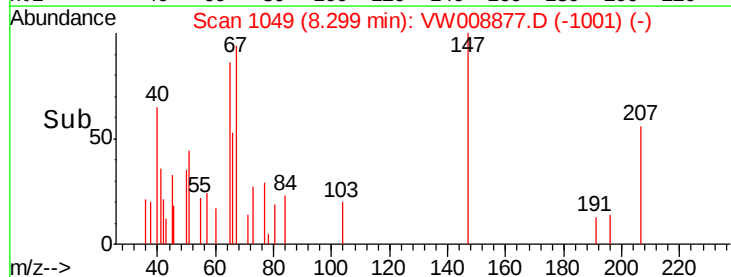
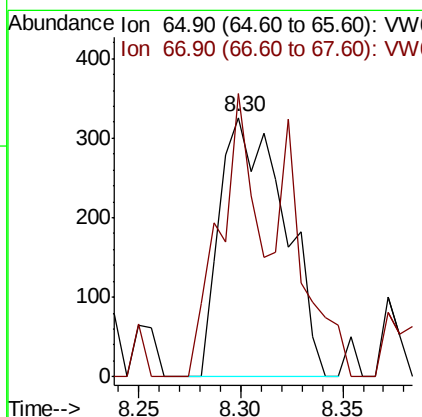
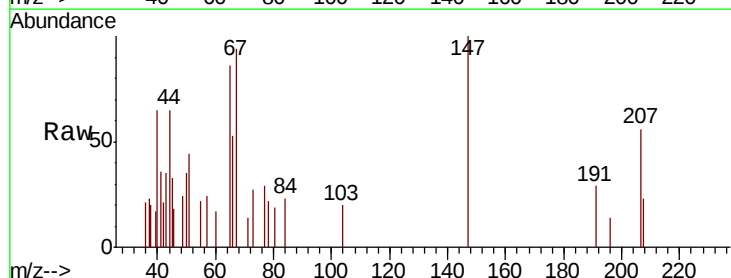
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

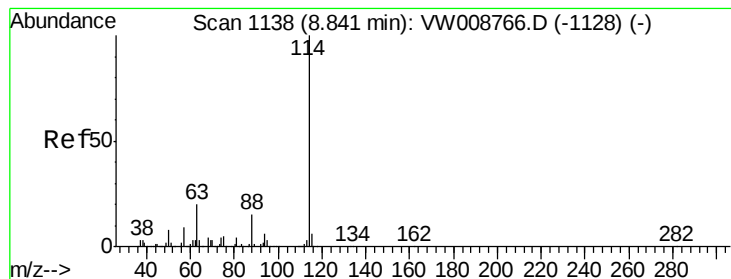
Tot Ion: 97 Resp: 141
 Ion Ratio Lower Upper
 97 100
 99 0.0 50.8 76.2#
 61 25.5 36.0 54.0#



#33
 1,2-Dichloroethane-d4
 Concen: 33.961 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008877.D
 Acq: 28 Feb 2019 10:09

Tgt Ion: 65 Resp: 717
 Ion Ratio Lower Upper
 65 100
 67 60.5 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.83 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampleId :

BFB

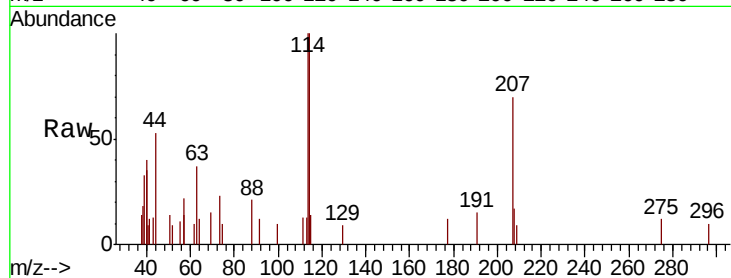
Tot Ion:114 Resp: 2651

Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.8

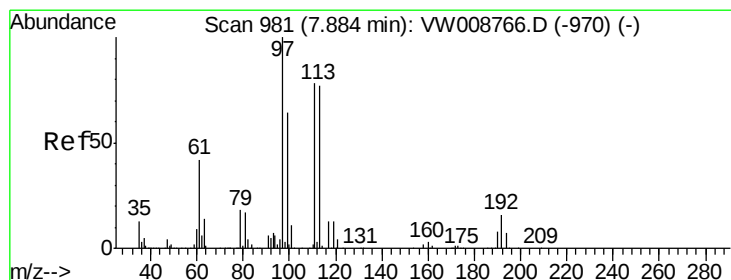
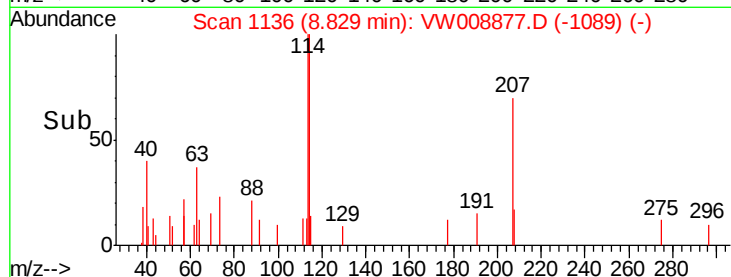
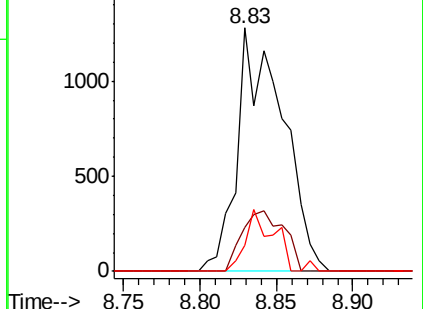
88 10.5 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 23.434 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

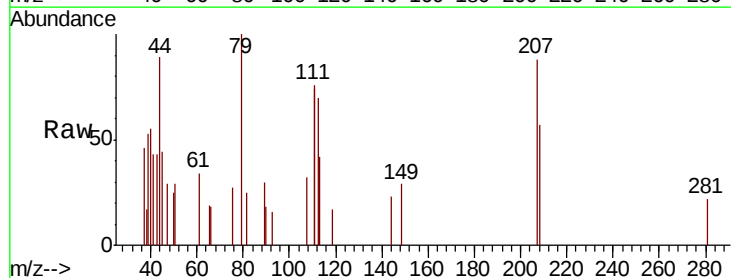
Tgt Ion:113 Resp: 373

Ion Ratio Lower Upper

113 100

111 143.7 81.9 122.9#

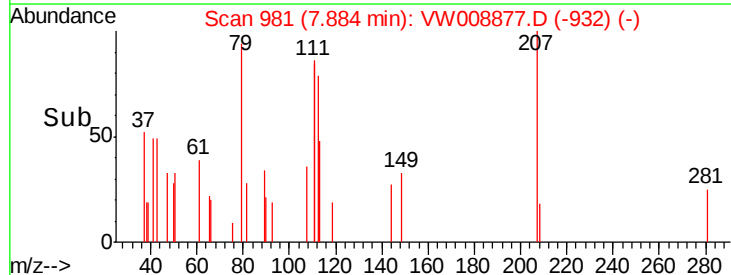
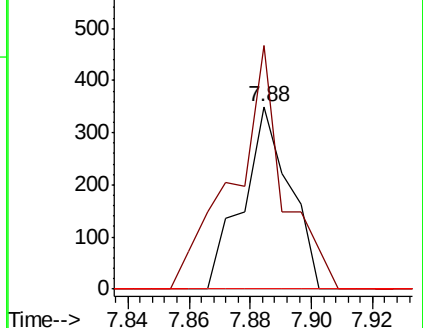
192 0.0 17.1 25.7#

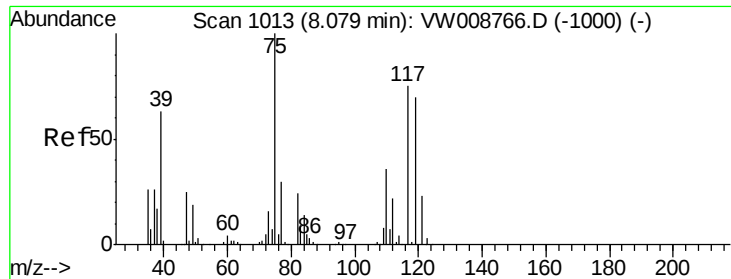


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

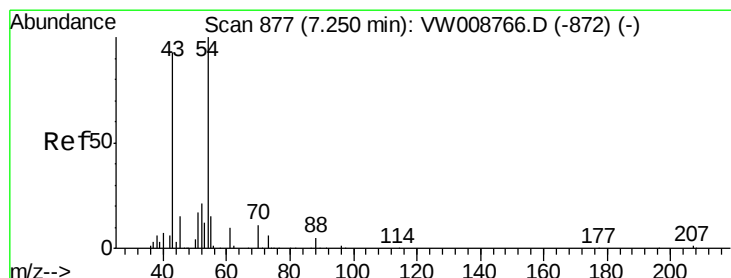
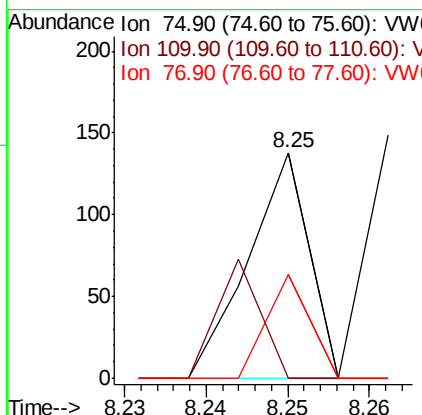
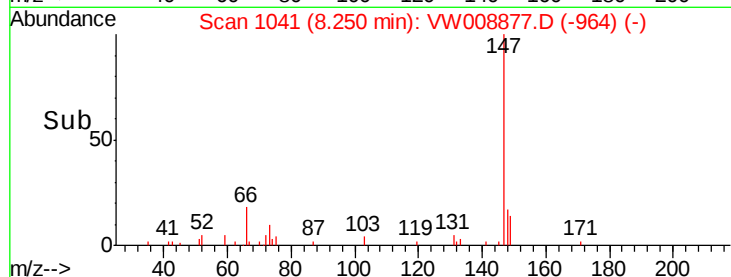
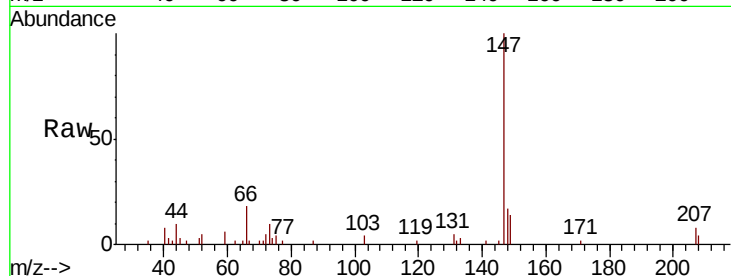




#36
 1,1-Dichloropropene
 Concen: 2.751 ug/l
 RT: 8.25 min Scan# 1041
 Delta R.T. 0.17 min
 Lab File: VW008877.D
 Acq: 28 Feb 2019 10:09

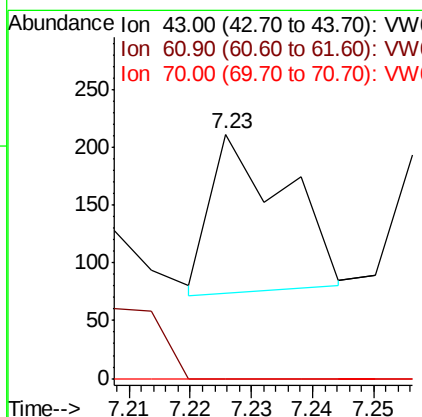
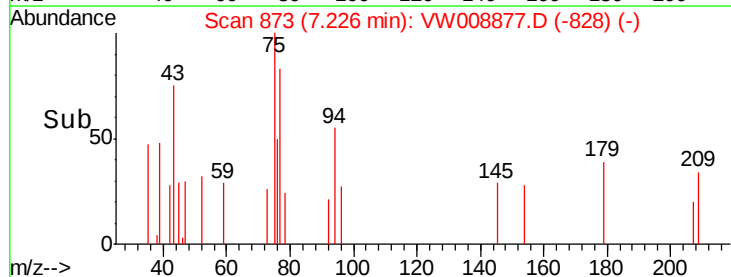
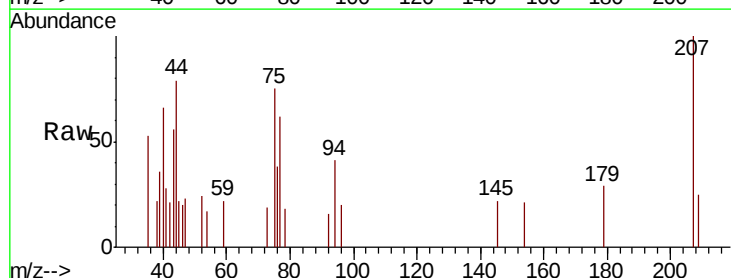
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

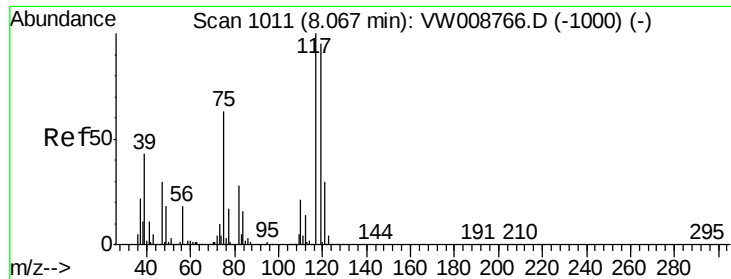
Tot Ion	Ratio	Lower	Upper
75	100		
110	38.0	17.5	52.6
77	32.4	24.5	36.7



#37
 Ethyl Acetate
 Concen: 9.666 ug/l
 RT: 7.23 min Scan# 873
 Delta R.T. -0.02 min
 Lab File: VW008877.D
 Acq: 28 Feb 2019 10:09

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.8	14.8#
70	0.0	8.4	12.6#





#38

Carbon Tetrachloride

Concen: 6.136 ug/l

RT: 8.05 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampled :

BFB

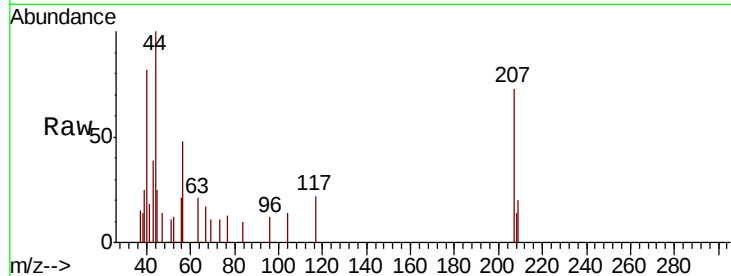
Tot Ion:117 Resp: 167

Ion Ratio Lower Upper

117 100

119 0.0 76.1 114.1#

121 0.0 24.0 36.0#



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

8.05

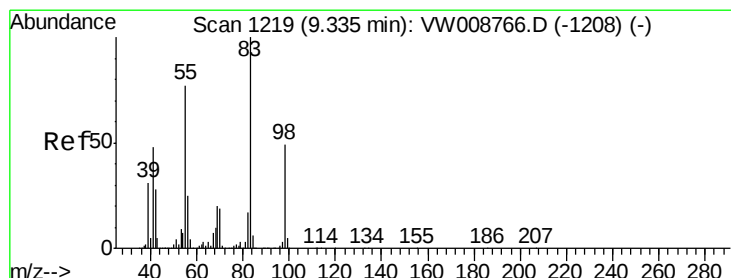
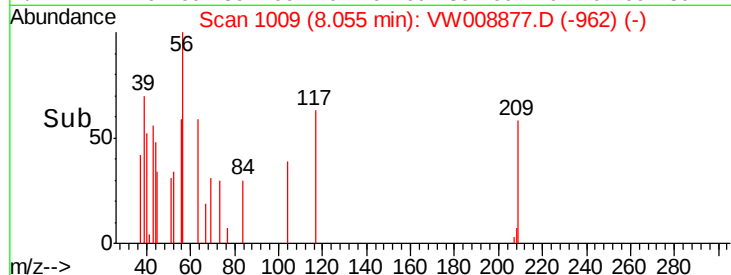
100

50

0

8.02 8.04 8.06 8.08 8.10

Time-->



#39

Methylcyclohexane

Concen: 13.110 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

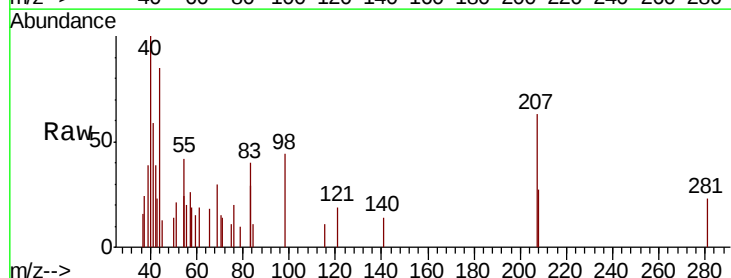
Tgt Ion: 83 Resp: 422

Ion Ratio Lower Upper

83 100

55 75.9 61.2 91.8

98 64.6 39.4 59.2#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

9.34

400

300

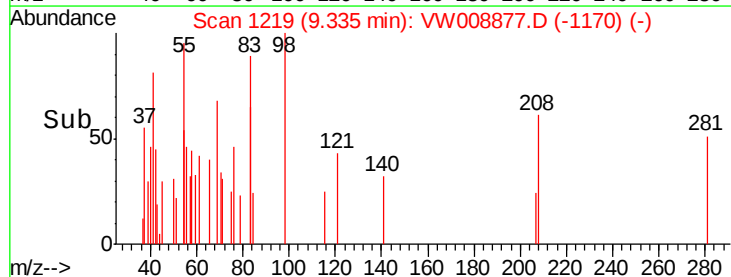
200

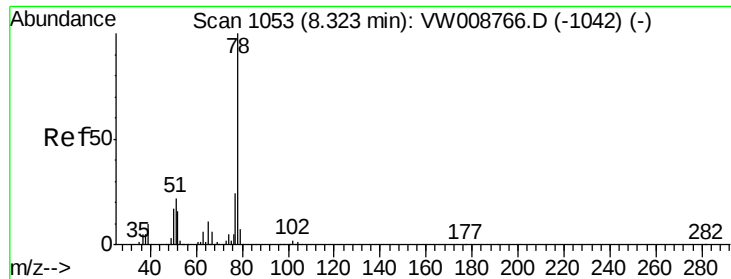
100

0

9.30 9.35

Time-->





#40

Benzene

Concen: 6.656 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampled :

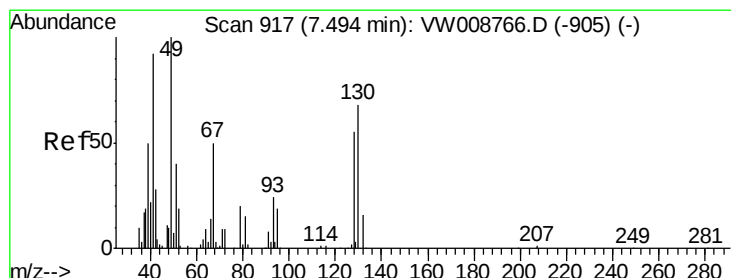
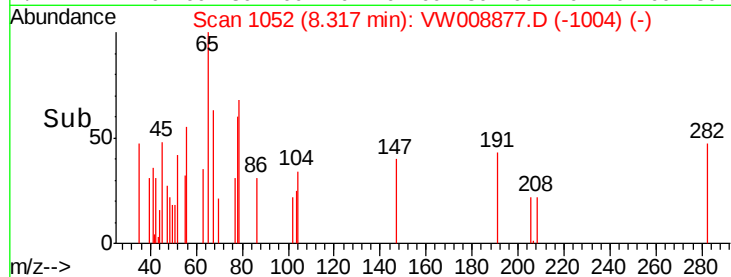
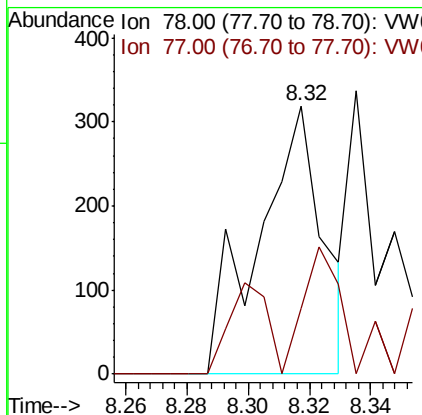
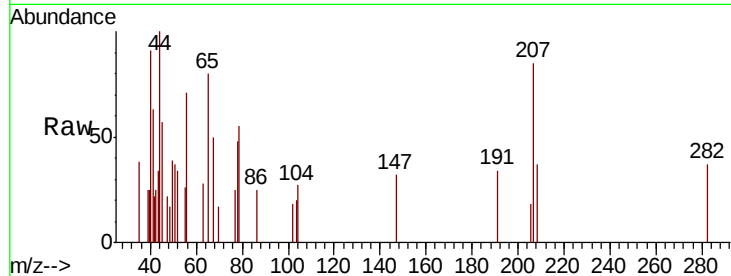
BFB

Tot Ion: 78 Resp: 469

Ion Ratio Lower Upper

78 100

77 24.5 19.3 28.9



#41

Methacrylonitrile

Concen: 18.713 ug/l

RT: 7.49 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Tgt Ion: 41 Resp: 132

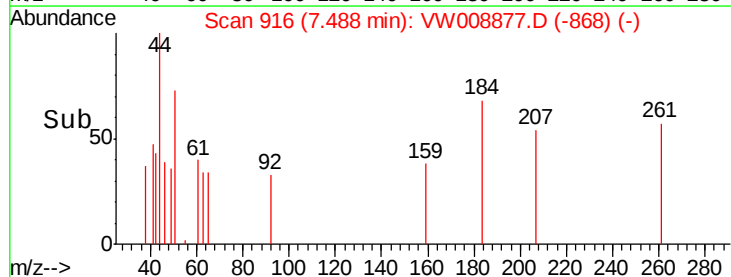
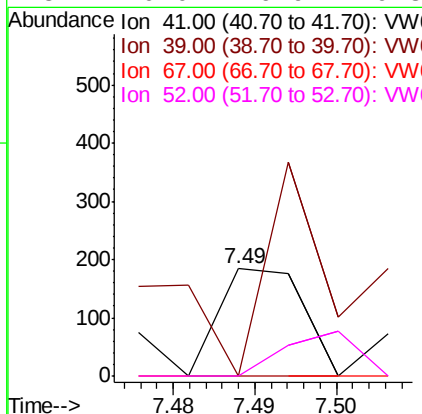
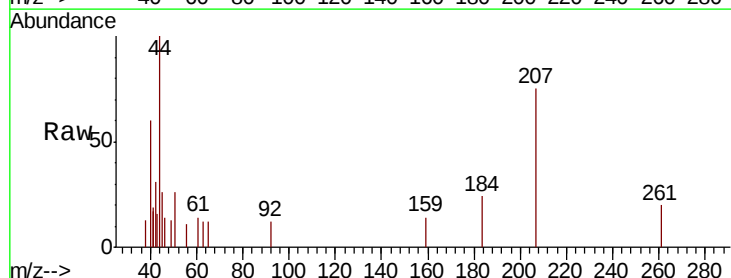
Ion Ratio Lower Upper

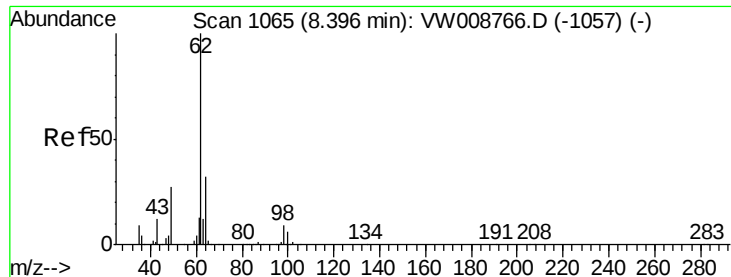
41 100

39 267.4 52.5 78.7#

67 0.0 55.0 82.6#

52 0.0 26.9 40.3#





#42

1,2-Dichloroethane

Concen: 1.210 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampleId :

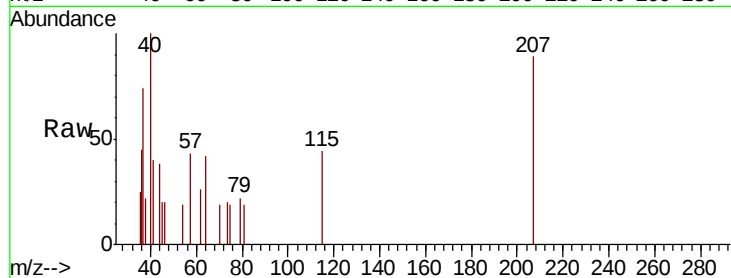
BFB

Tot Ion: 62 Resp: 27

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



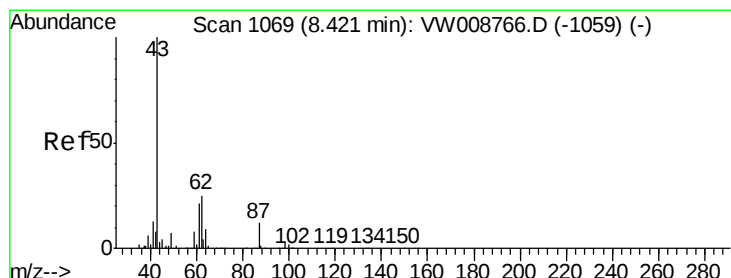
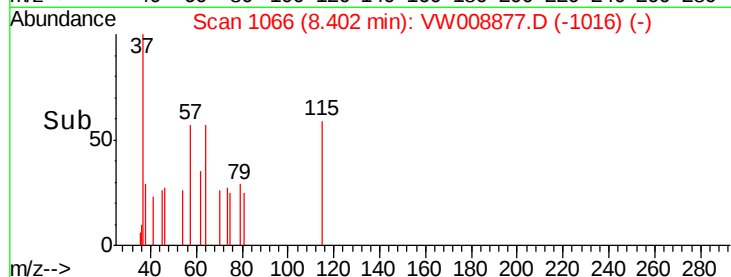
Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

8.40

8.38 8.39 8.40 8.41 8.42

Time-->



#43

Isopropyl Acetate

Concen: 12.442 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

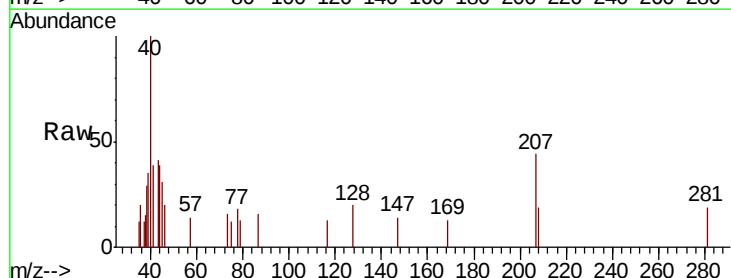
Tgt Ion: 43 Resp: 298

Ion Ratio Lower Upper

43 100

61 0.0 23.2 34.8#

87 8.4 9.9 14.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

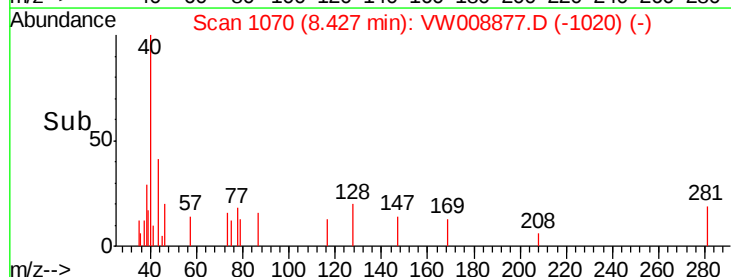
Ion 61.00 (60.70 to 61.70): VW

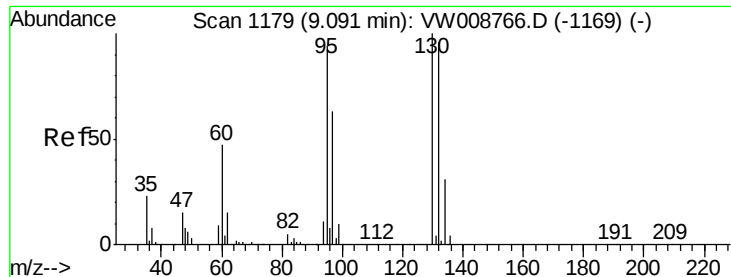
Ion 87.00 (86.70 to 87.70): VW

8.43

8.40 8.45

Time-->





#44

Trichloroethene

Concen: 8.968 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampled :

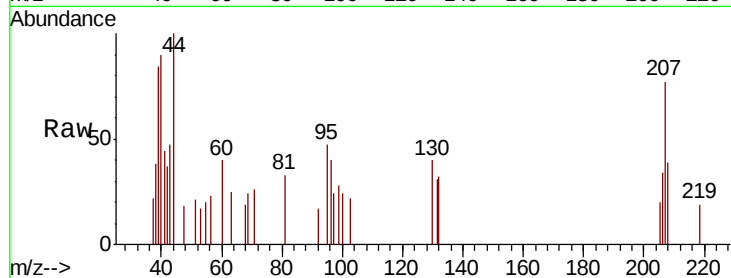
BFB

Tot Ion:130 Resp: 178

Ion Ratio Lower Upper

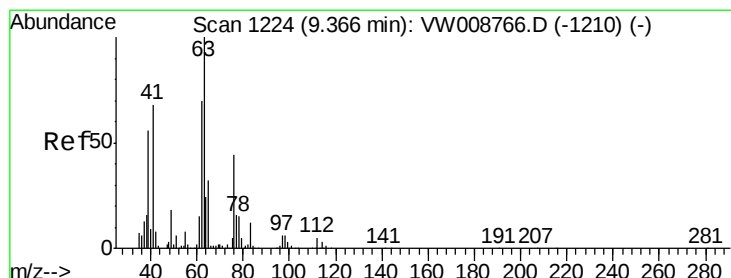
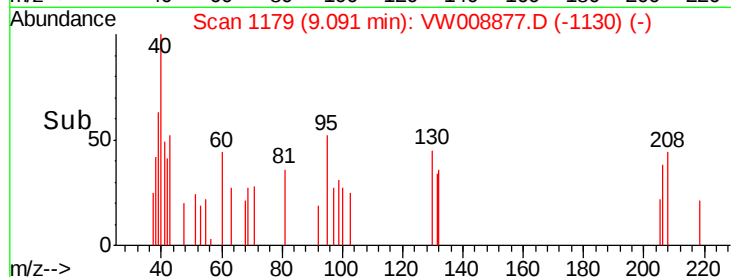
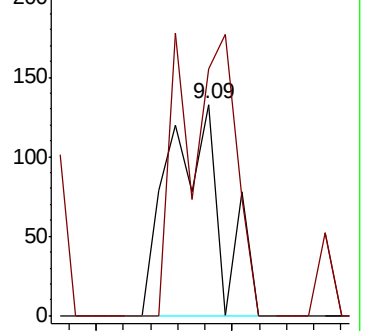
130 100

95 116.5 0.0 188.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#45

1,2-Dichloropropane

Concen: 7.466 ug/l

RT: 9.38 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VW008877.D

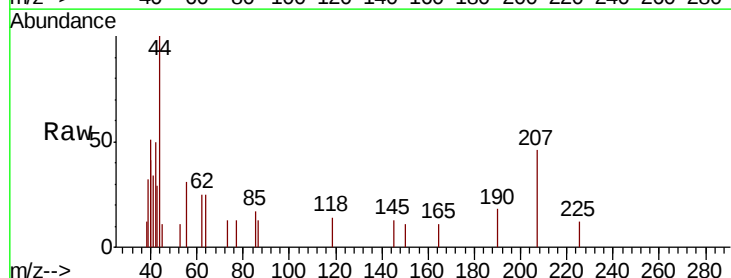
Acq: 28 Feb 2019 10:09

Tgt Ion: 63 Resp: 130

Ion Ratio Lower Upper

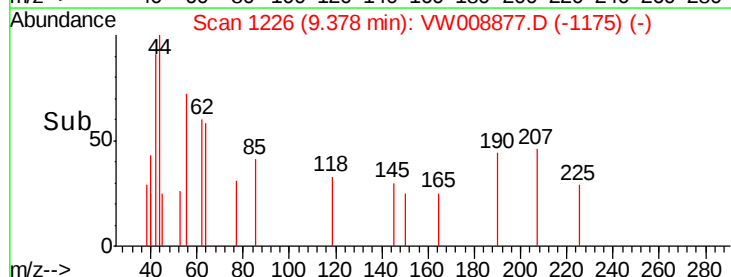
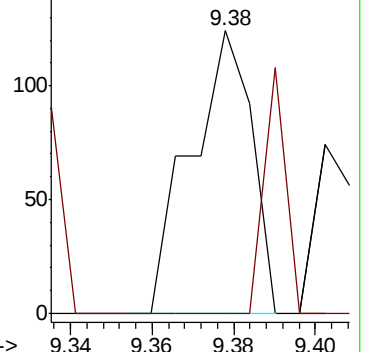
63 100

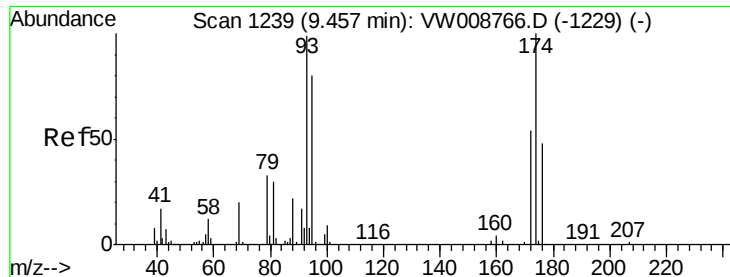
65 0.0 25.5 38.3#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW





#46

Dibromomethane

Concen: 2.272 ug/l

RT: 9.41 min Scan# 1231

Delta R.T. -0.05 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampleId :

BFB

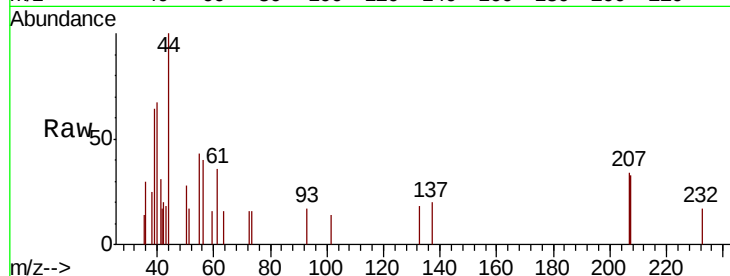
Tot Ion: 93 Resp: 22

Ion Ratio Lower Upper

93 100

95 0.0 67.7 101.5#

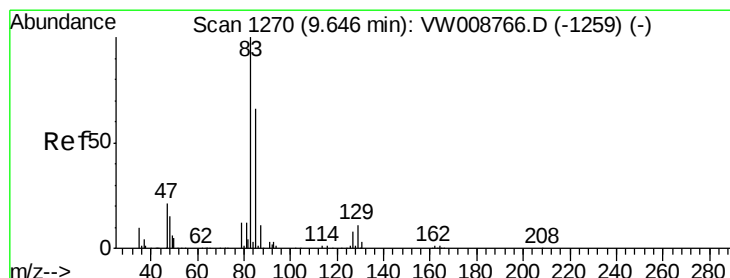
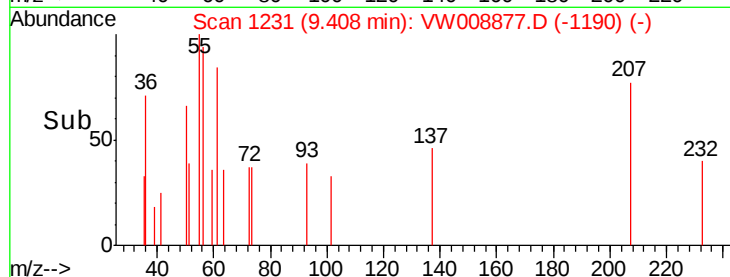
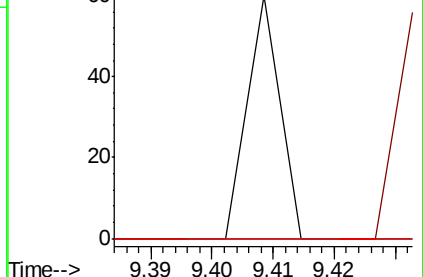
174 0.0 86.7 130.1#



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 5.178 ug/l

RT: 9.62 min Scan# 1265

Delta R.T. -0.03 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

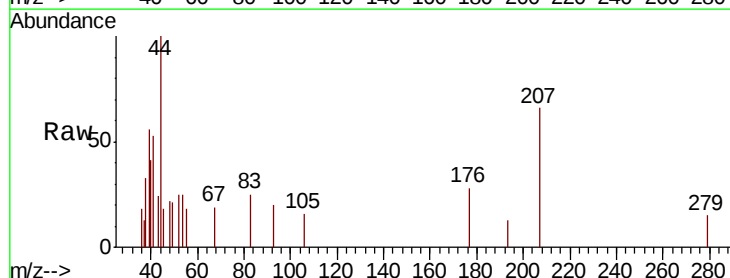
Tgt Ion: 83 Resp: 122

Ion Ratio Lower Upper

83 100

85 0.0 52.5 78.7#

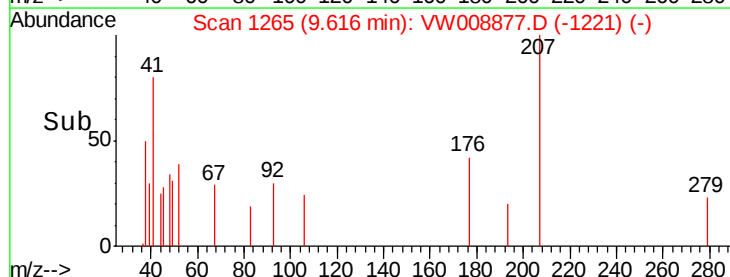
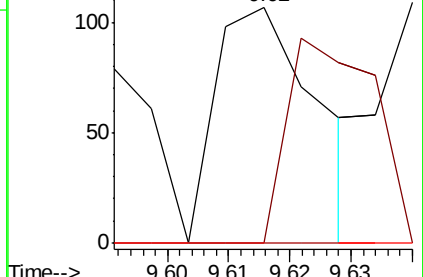
127 0.0 6.7 10.1#

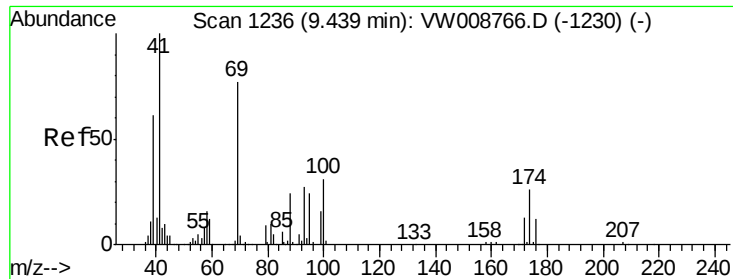


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V

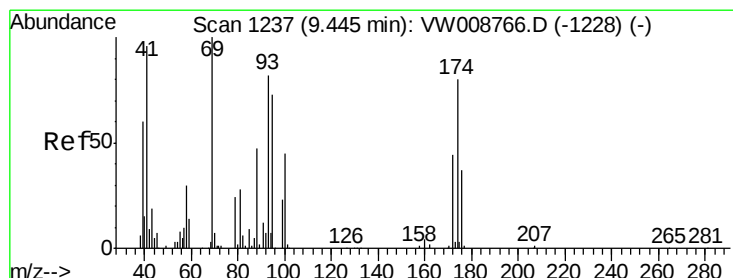
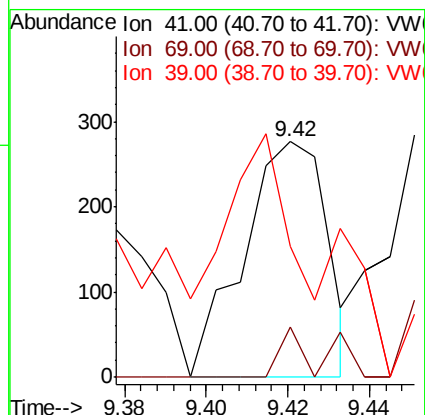
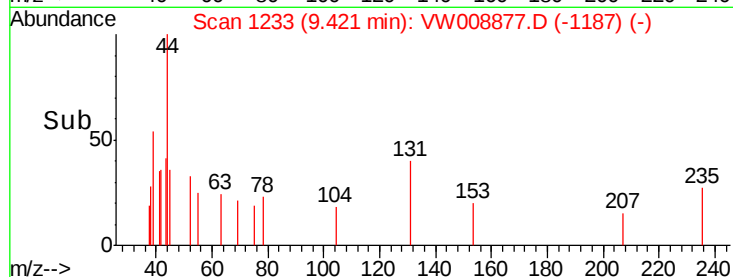
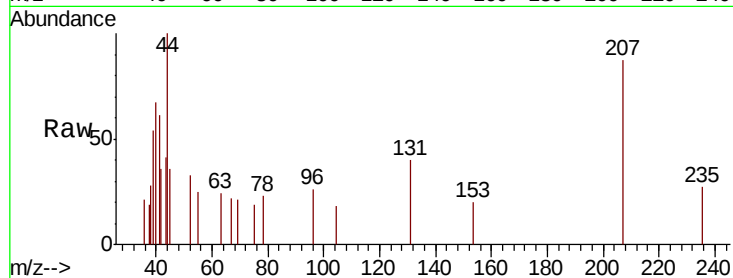




#48
Methyl methacrylate
Concen: 34.348 ug/l
RT: 9.42 min Scan# 1233
Delta R.T. -0.02 min
Lab File: VW008877.D
Acq: 28 Feb 2019 10:09

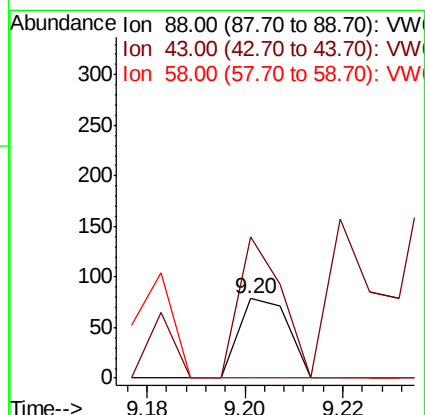
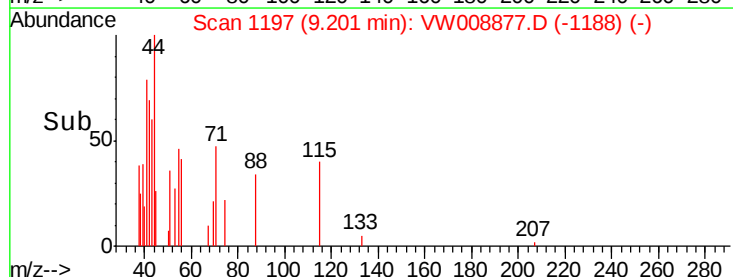
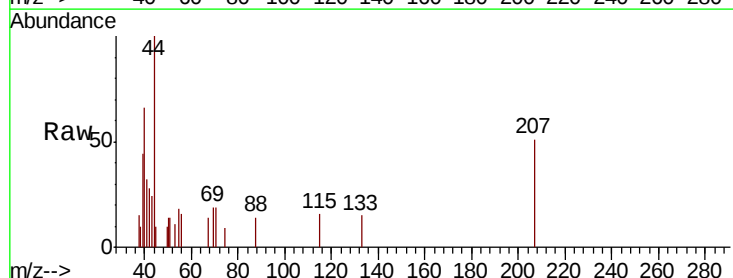
Instrument :
MSVOA_W
ClientSampled :
BFB

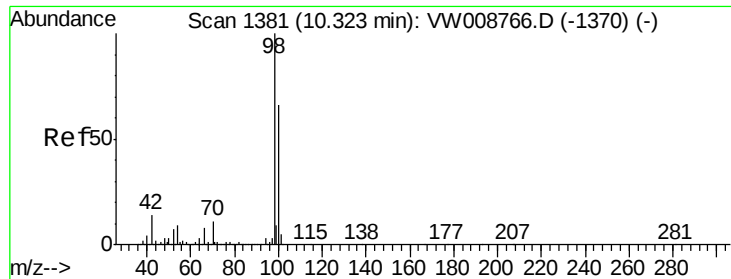
Tot Ion: 41 Resp: 394
Ion Ratio Lower Upper
41 100
69 10.4 63.6 95.4#
39 112.4 52.1 78.1#



#49
1,4-Dioxane
Concen: 354.628 ug/l
RT: 9.20 min Scan# 1197
Delta R.T. -0.24 min
Lab File: VW008877.D
Acq: 28 Feb 2019 10:09

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 154.5 29.0 43.4#
58 103.6 52.0 78.0#





#50

Toluene-d8

Concen: 44.984 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampleId :

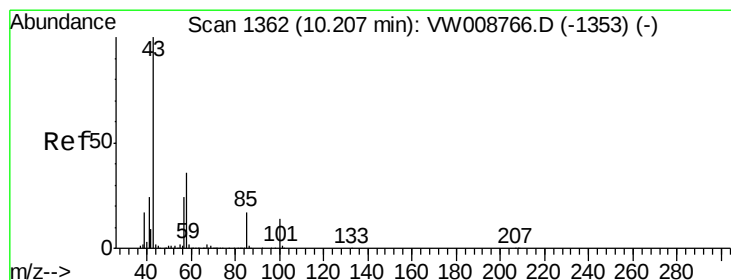
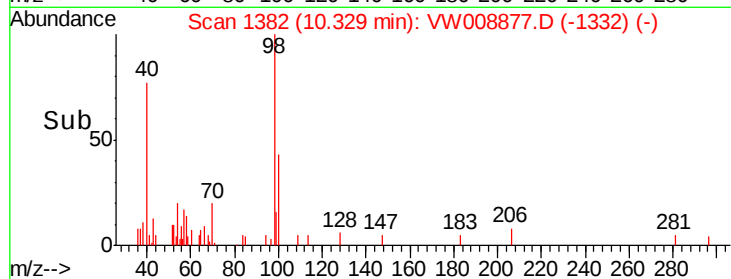
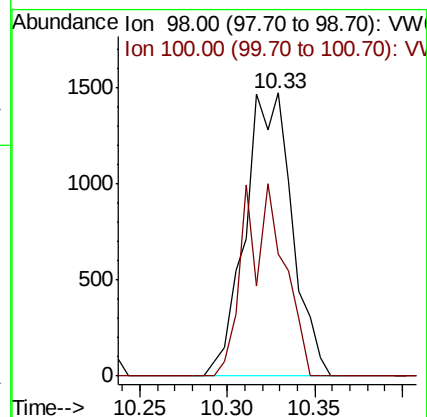
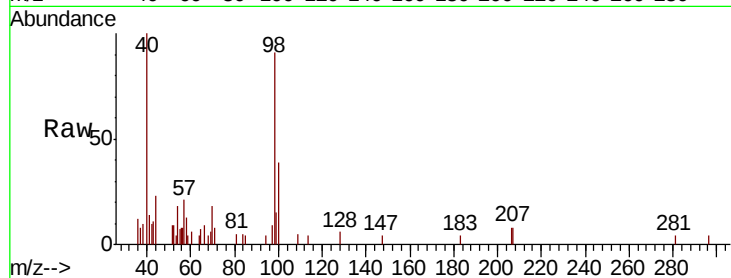
BFB

Tot Ion: 98 Resp: 2764

Ion Ratio Lower Upper

98 100

100 57.4 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 10.609 ug/l

RT: 10.42 min Scan# 1397

Delta R.T. 0.21 min

Lab File: VW008877.D

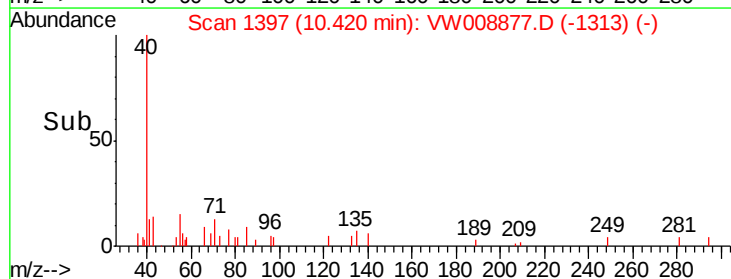
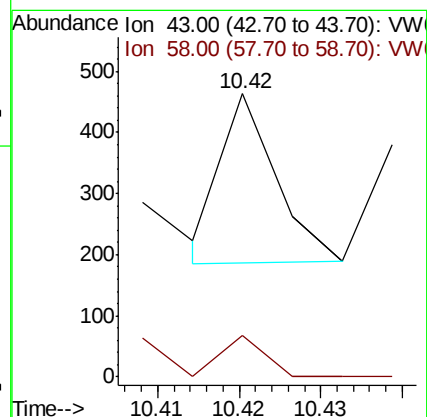
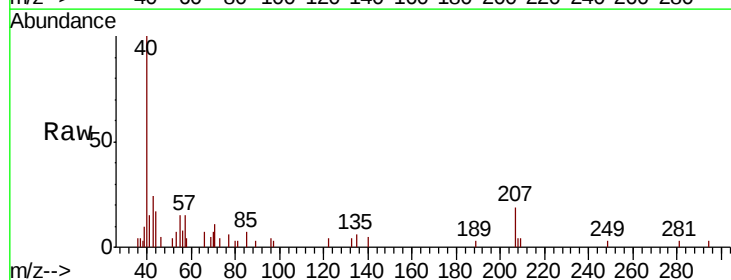
Acq: 28 Feb 2019 10:09

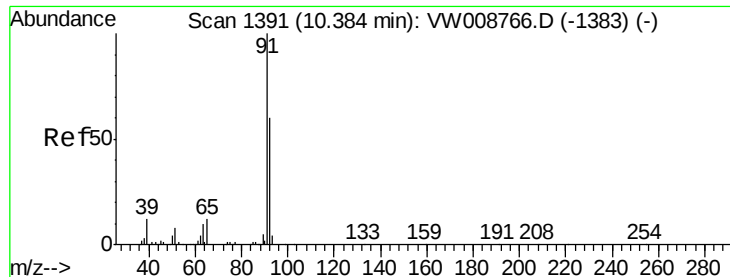
Tgt Ion: 43 Resp: 129

Ion Ratio Lower Upper

43 100

58 37.2 29.1 43.7





#52

Toluene

Concen: 11.607 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampled :

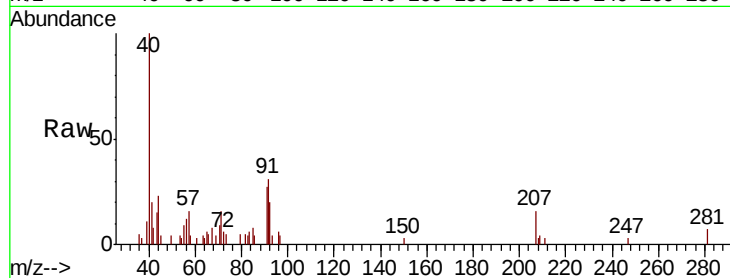
BFB

Tot Ion: 92 Resp: 555

Ion Ratio Lower Upper

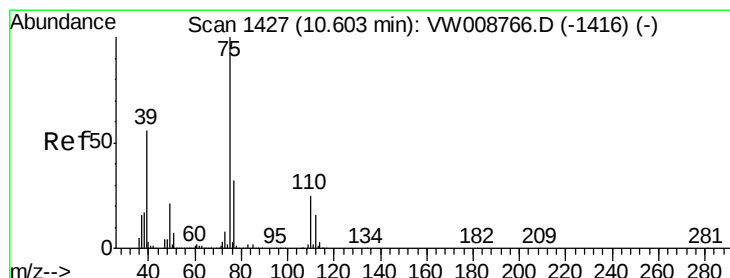
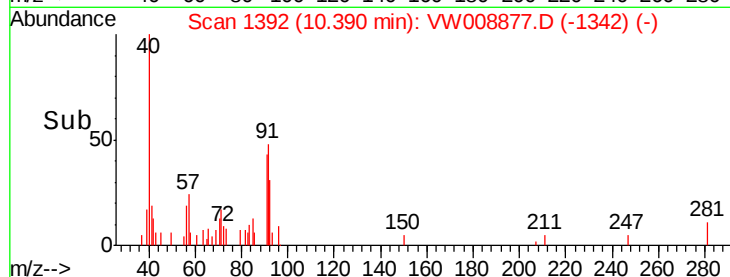
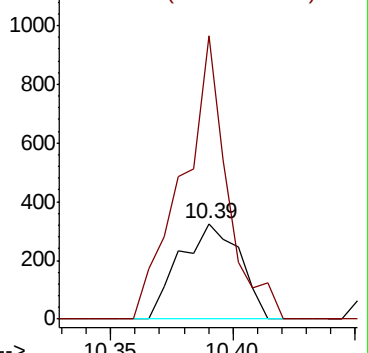
92 100

91 222.5 136.9 205.3#



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#53

t-1,3-Dichloropropene

Concen: 2.332 ug/l

RT: 10.64 min Scan# 1433

Delta R.T. 0.04 min

Lab File: VW008877.D

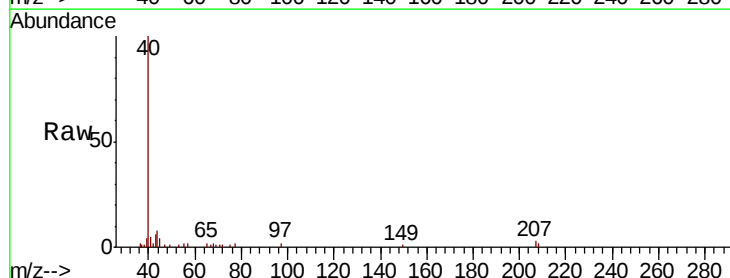
Acq: 28 Feb 2019 10:09

Tgt Ion: 75 Resp: 56

Ion Ratio Lower Upper

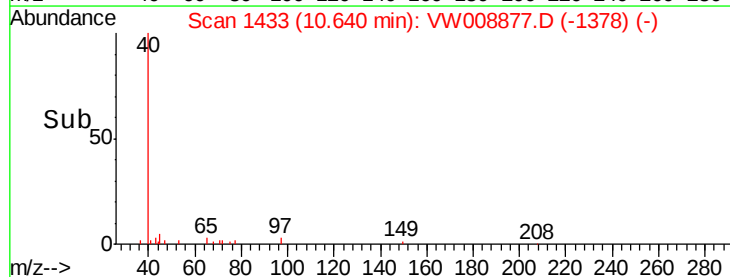
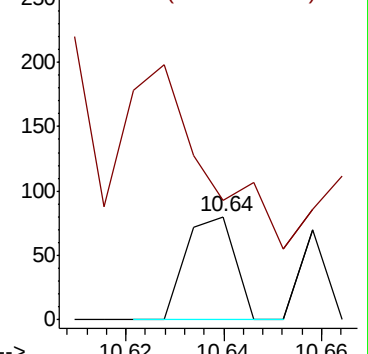
75 100

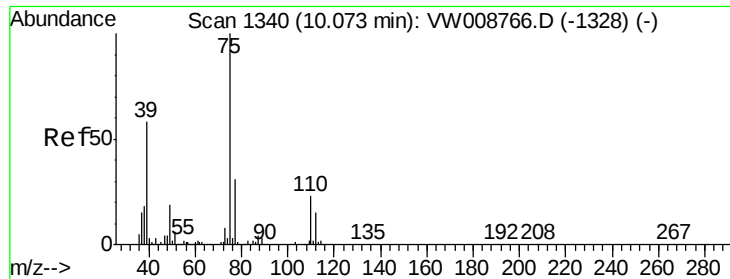
77 47.5 26.1 39.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW





#54

cis-1,3-Dichloropropene

Concen: 1.095 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampled :

BFB

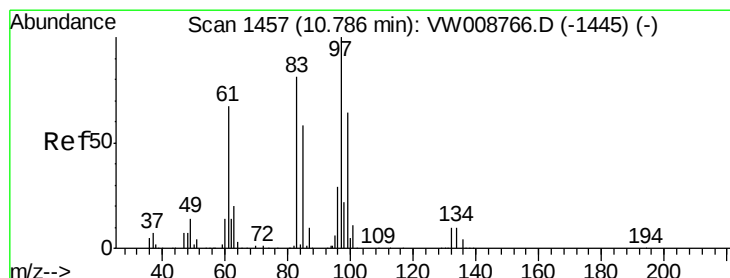
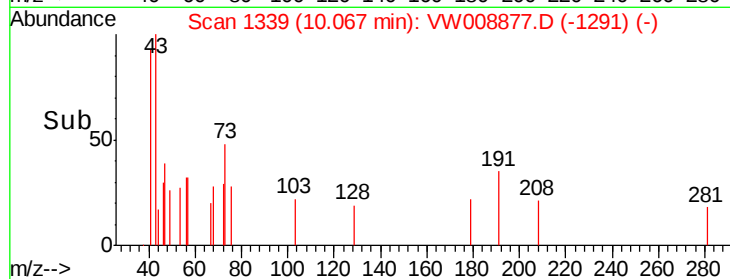
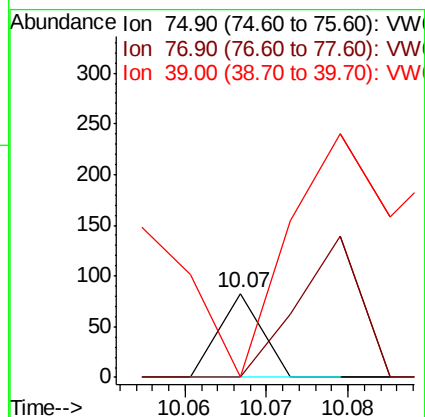
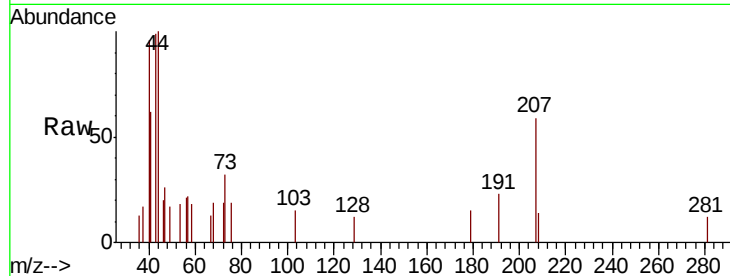
Tot Ion: 75 Resp: 30

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

39 0.0 46.6 70.0#



#55

1,1,2-Trichloroethane

Concen: 23.451 ug/l

RT: 10.76 min Scan# 1452

Delta R.T. -0.03 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Tgt Ion: 97 Resp: 308

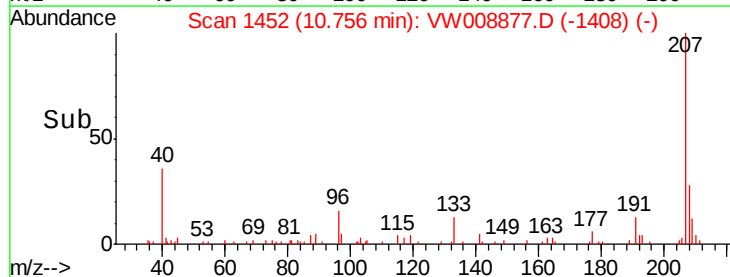
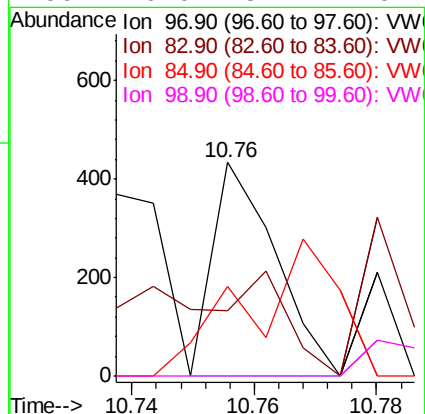
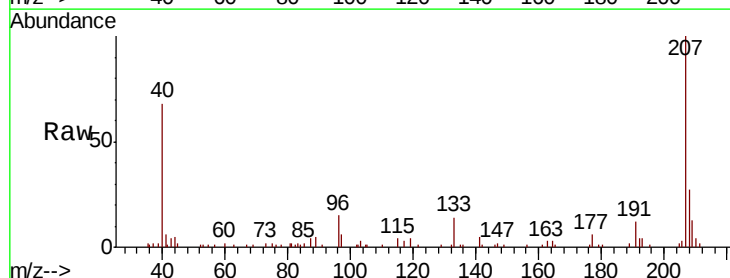
Ion Ratio Lower Upper

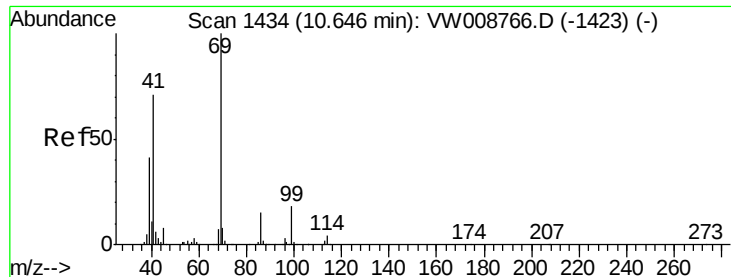
97 100

83 30.6 65.0 97.6#

85 26.0 46.0 69.0#

99 0.0 51.1 76.7#





#56

Ethyl methacrylate

Concen: 8.673 ug/l

RT: 10.63 min Scan# 1431

Delta R.T. -0.02 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampled :

BFB

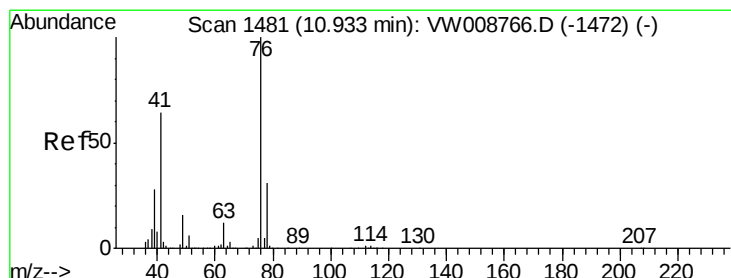
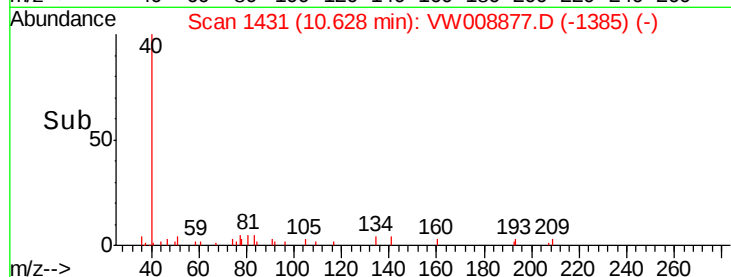
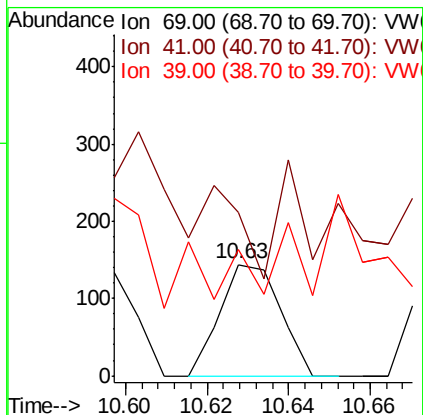
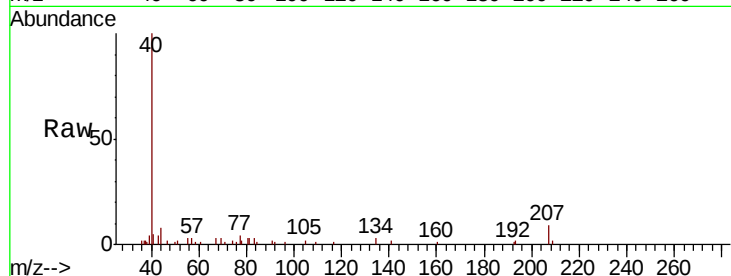
Tot Ion: 69 Resp: 148

Ion Ratio Lower Upper

69 100

41 91.2 57.4 86.0#

39 0.0 34.8 52.2#



#57

1,3-Dichloropropane

Concen: 1.941 ug/l

RT: 10.91 min Scan# 1477

Delta R.T. -0.02 min

Lab File: VW008877.D

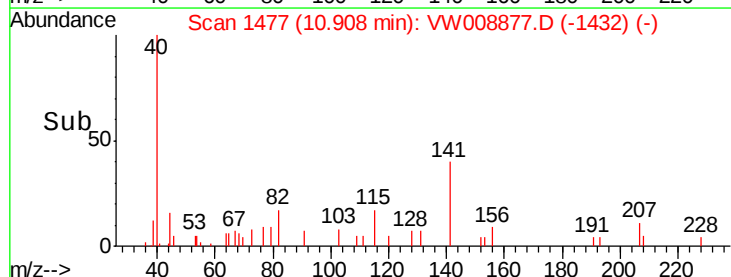
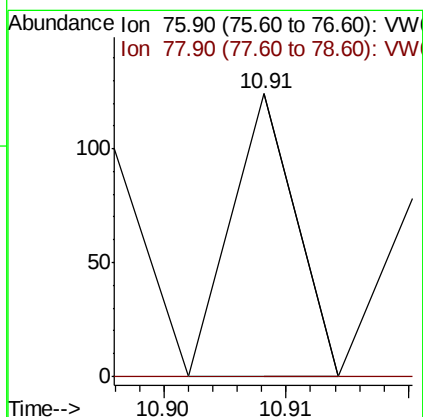
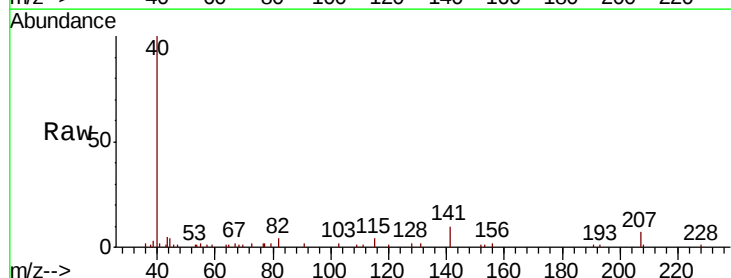
Acq: 28 Feb 2019 10:09

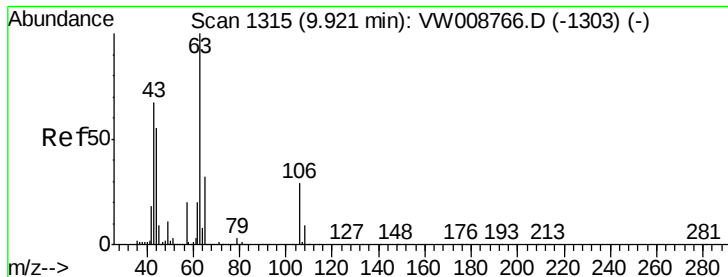
Tgt Ion: 76 Resp: 45

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#





#58

2-Chloroethyl Vinyl ether

Concen: 64.552 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampled :

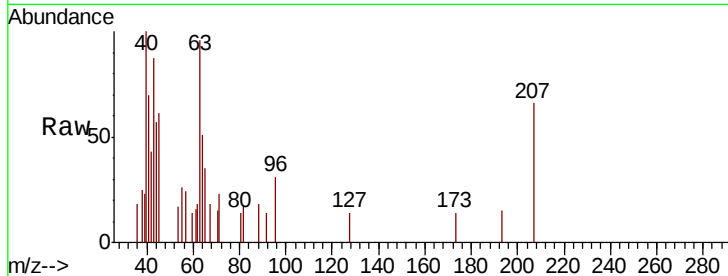
BFB

Tot Ion: 63 Resp: 554

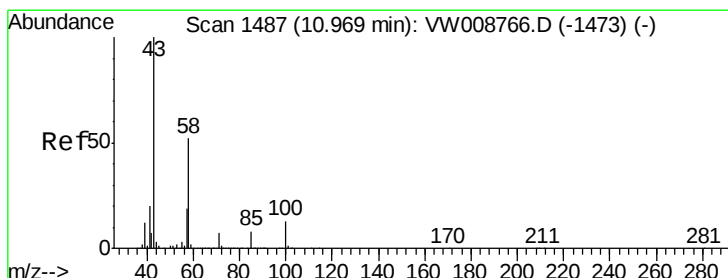
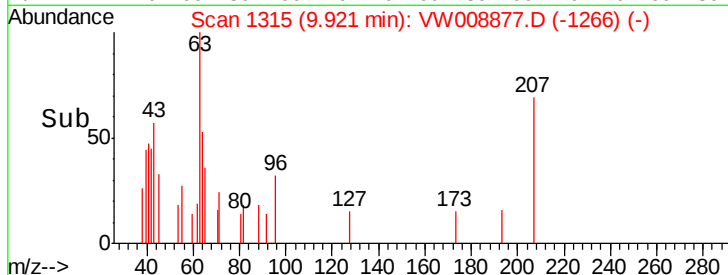
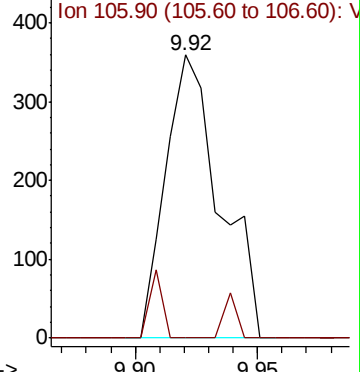
Ion Ratio Lower Upper

63 100

106 5.6 24.0 36.0#



Abundance Ion 62.90 (62.60 to 63.60): VW



#59

2-Hexanone

Concen: 27.959 ug/l

RT: 10.70 min Scan# 1443

Delta R.T. -0.27 min

Lab File: VW008877.D

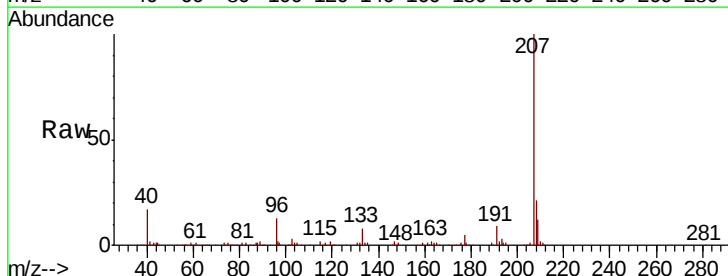
Acq: 28 Feb 2019 10:09

Tgt Ion: 43 Resp: 242

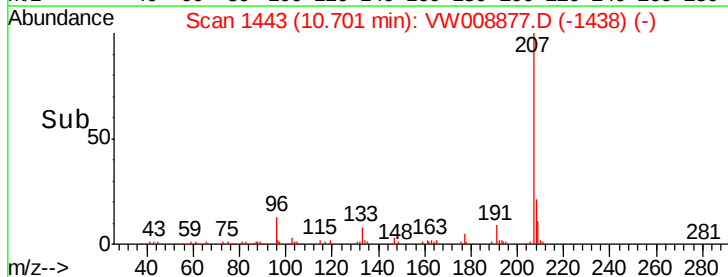
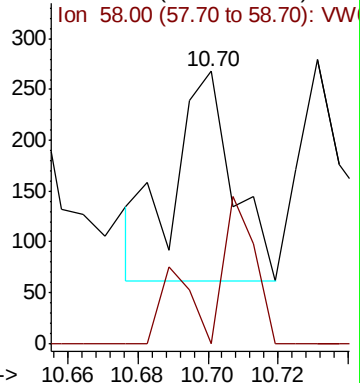
Ion Ratio Lower Upper

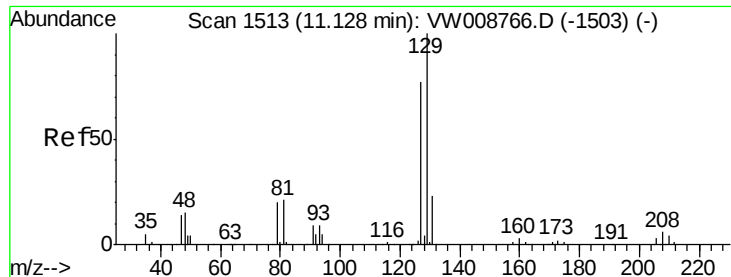
43 100

58 55.8 25.3 75.8



Abundance Ion 43.00 (42.70 to 43.70): VW

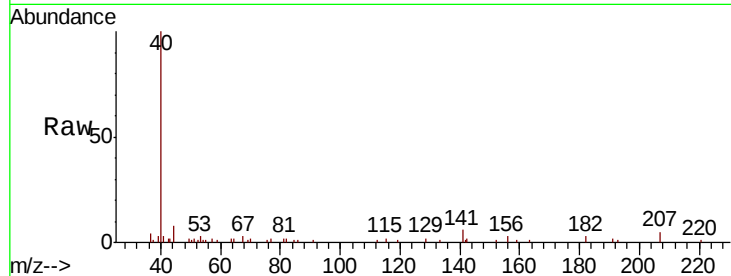




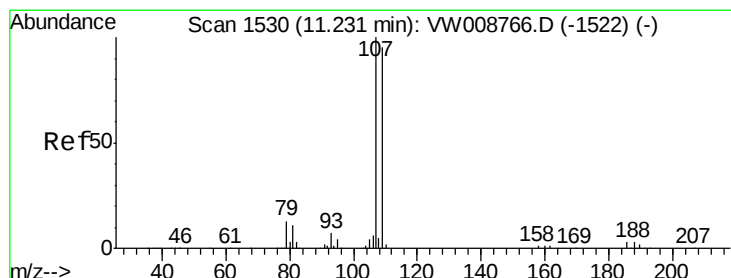
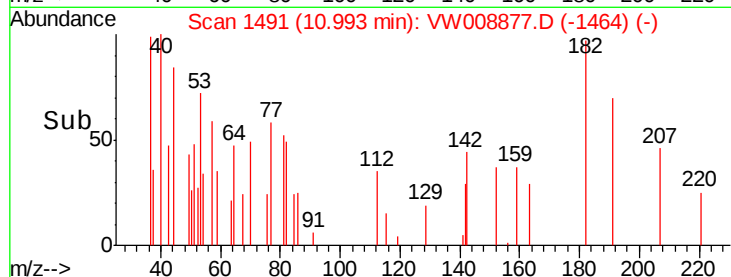
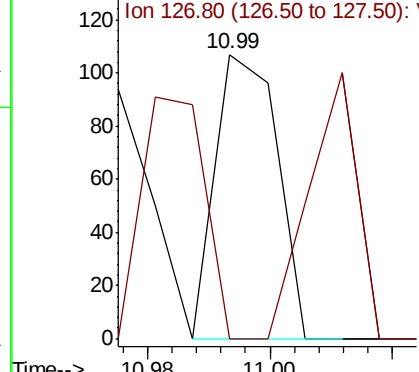
#60
Dibromochloromethane
Concen: 4.619 ug/l
RT: 10.99 min Scan# 1491
Delta R.T. -0.13 min
Lab File: VW008877.D
Acq: 28 Feb 2019 10:09

Instrument :
MSVOA_W
ClientSampled :
BFB

Tot Ion:129 Resp: 74
Ion Ratio Lower Upper
129 100
127 74.3 39.0 116.9

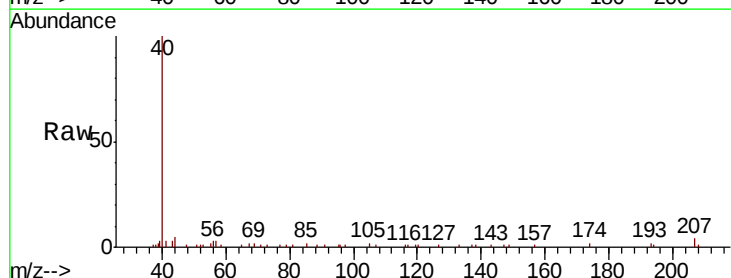


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

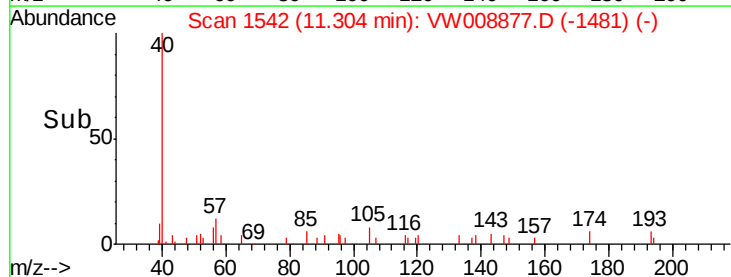
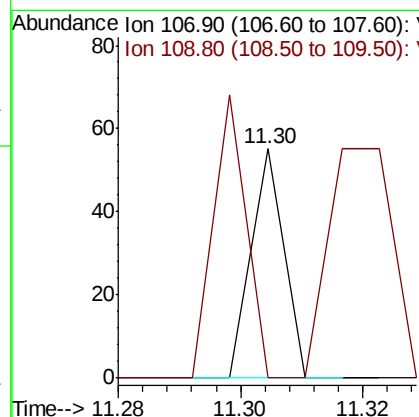


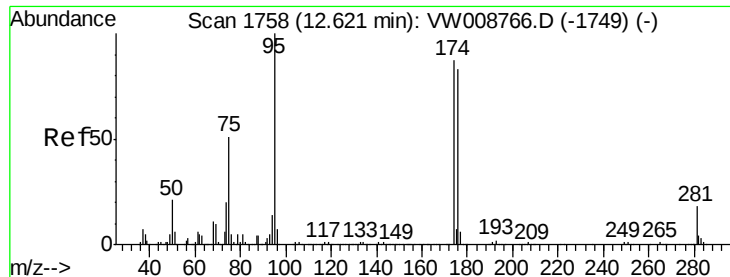
#61
1,2-Dibromoethane
Concen: 1.538 ug/l
RT: 11.30 min Scan# 1542
Delta R.T. 0.07 min
Lab File: VW008877.D
Acq: 28 Feb 2019 10:09

Tgt Ion:107 Resp: 20
Ion Ratio Lower Upper
107 100
109 125.0 75.6 113.4#



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 10753.428 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampleId :

BFB

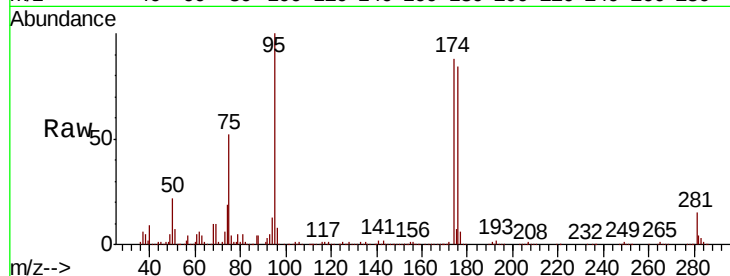
Tot Ion: 95 Resp: 258705

Ion Ratio Lower Upper

95 100

174 87.0 0.0 169.2

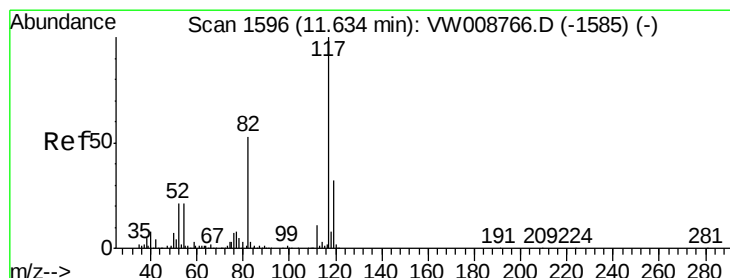
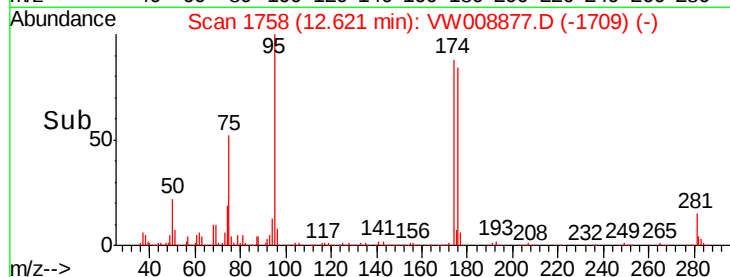
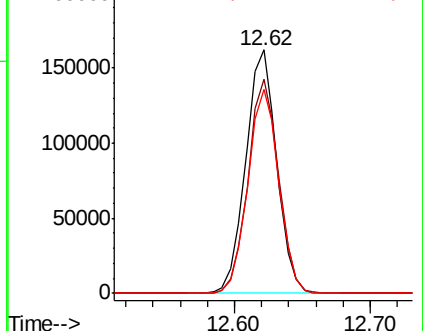
176 83.6 0.0 163.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

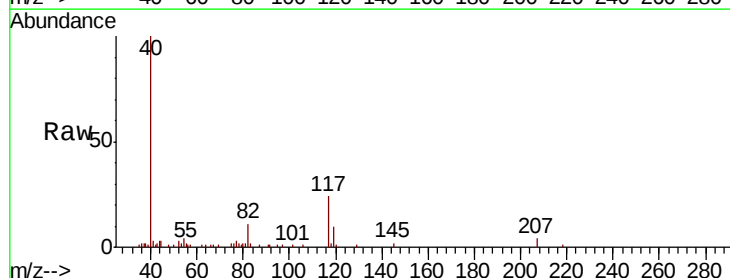
Tgt Ion: 117 Resp: 3529

Ion Ratio Lower Upper

117 100

82 47.0 42.2 63.4

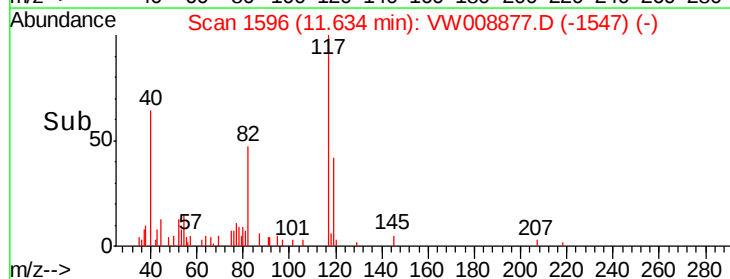
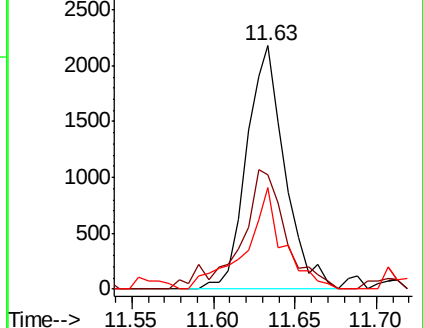
119 41.6 25.9 38.9#

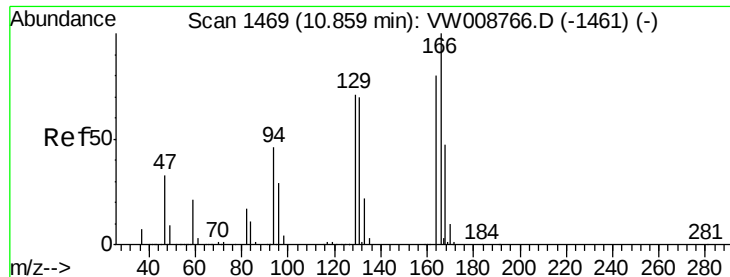


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#64

Tetrachloroethene

Concen: 8.155 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampled :

BFB

Tot Ion:164 Resp: 206

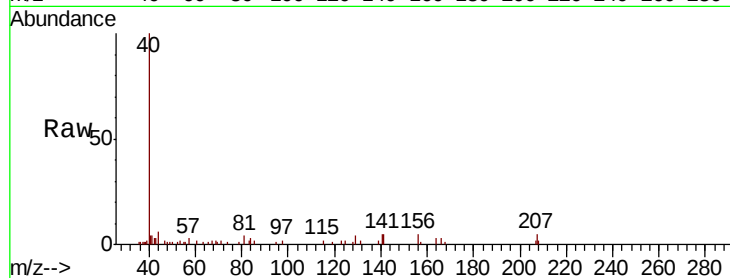
Ion Ratio Lower Upper

164 100

166 91.7 99.5 149.3#

129 73.9 71.1 106.7

131 78.9 69.8 104.8

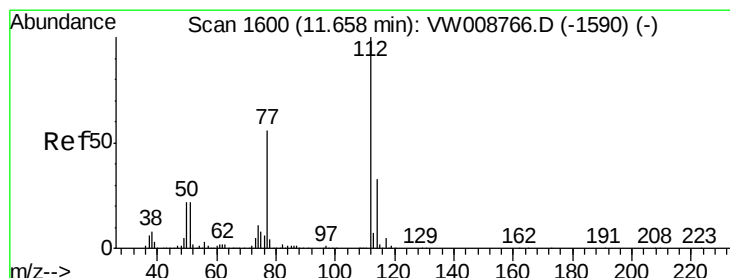
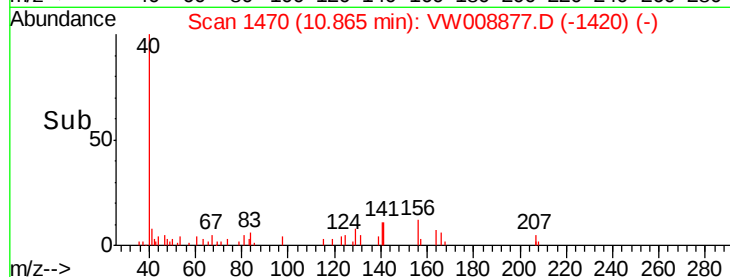
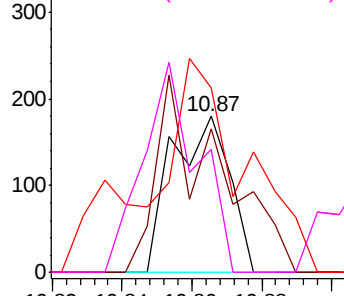


Abundance Ion 163.80 (163.50 to 164.50): V

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: 5.552 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW008877.D

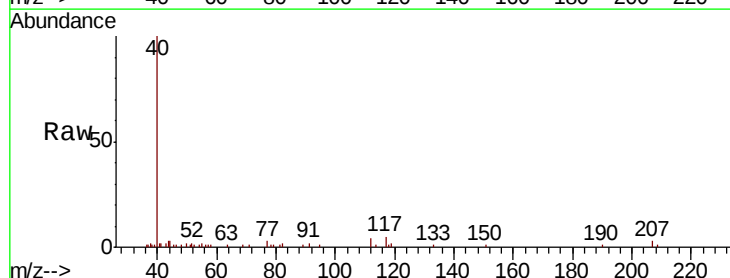
Acq: 28 Feb 2019 10:09

Tgt Ion:112 Resp: 412

Ion Ratio Lower Upper

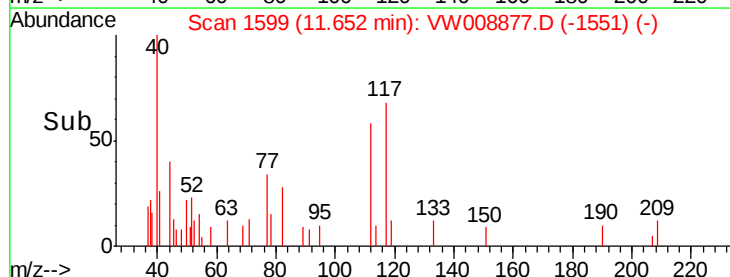
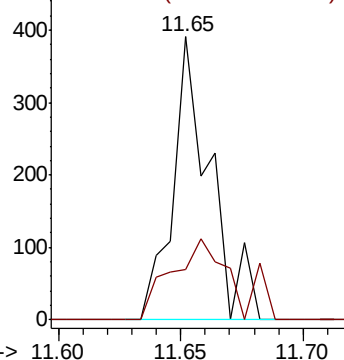
112 100

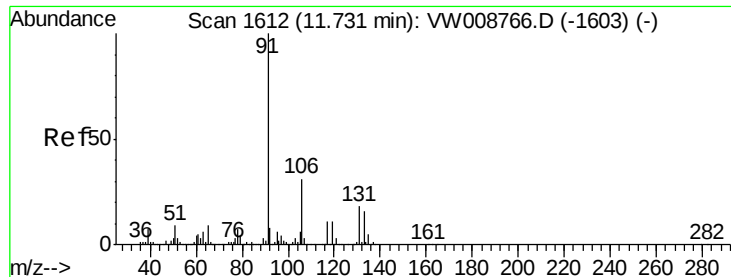
114 17.9 26.6 40.0#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 9.127 ug/l

RT: 11.71 min Scan# 1609

Delta R.T. -0.02 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampleId :

BFB

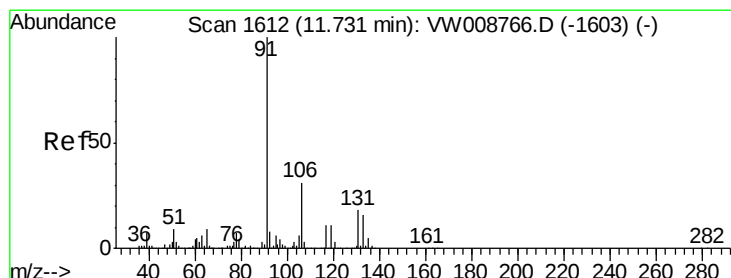
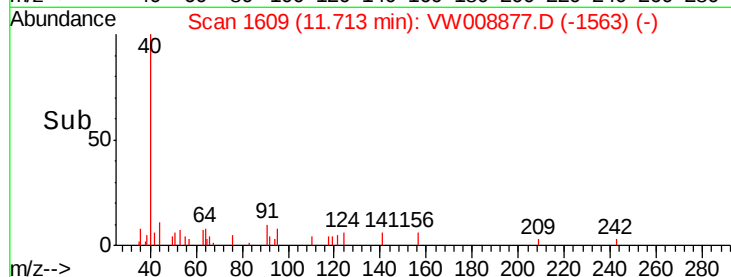
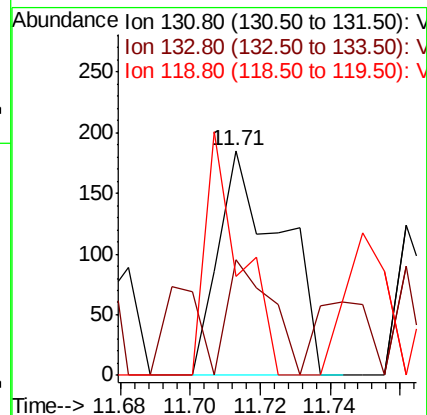
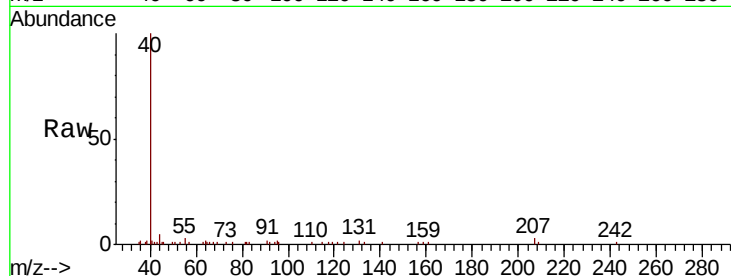
Tot Ion:131 Resp: 229

Ion Ratio Lower Upper

131 100

133 35.8 46.7 140.0#

119 60.7 30.8 92.4



#67

Ethyl Benzene

Concen: 9.340 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW008877.D

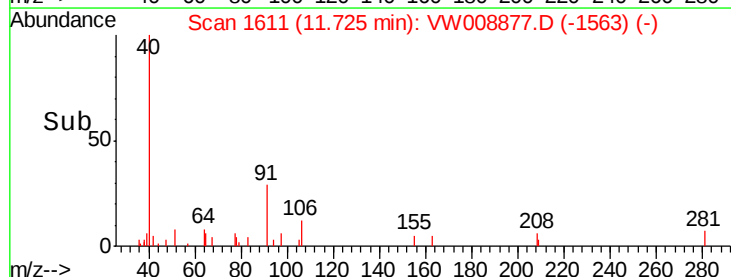
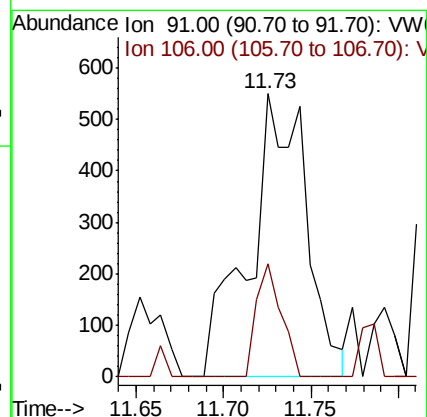
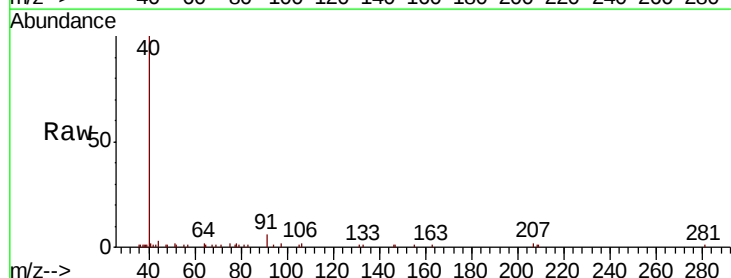
Acq: 28 Feb 2019 10:09

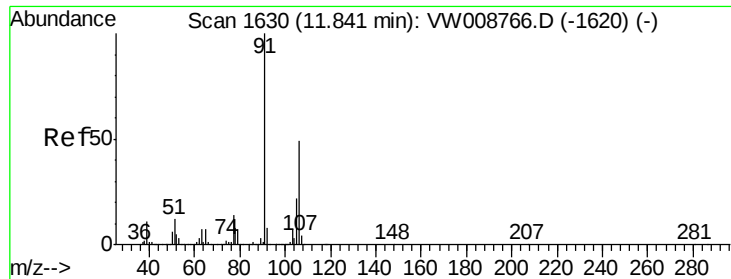
Tgt Ion: 91 Resp: 1239

Ion Ratio Lower Upper

91 100

106 39.8 25.0 37.6#

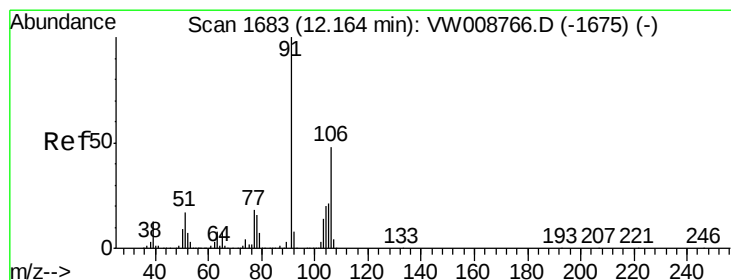
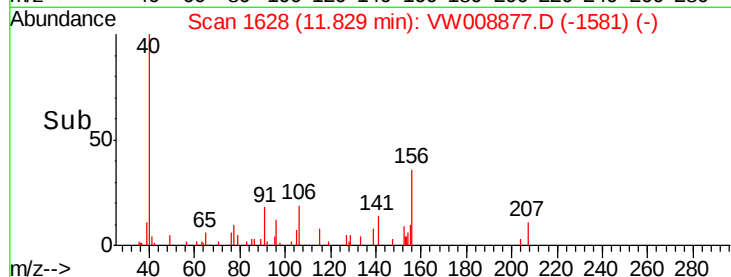
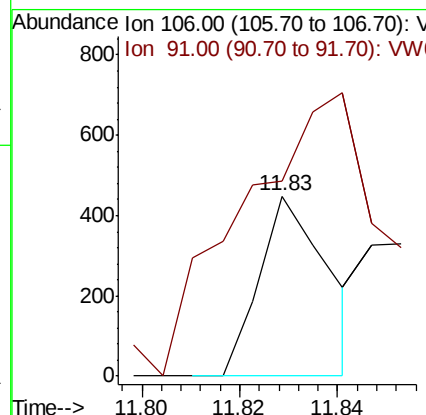
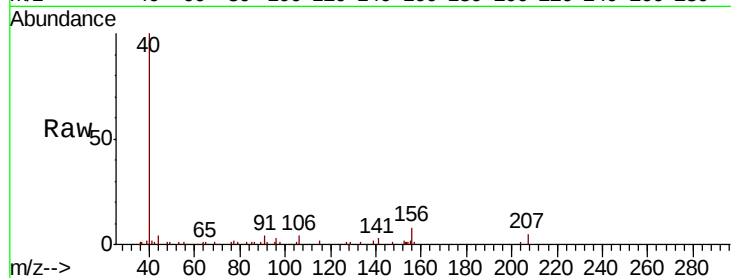




#68
m/p-Xylenes
Concen: 8.170 ug/l
RT: 11.83 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VW008877.D
Acq: 28 Feb 2019 10:09

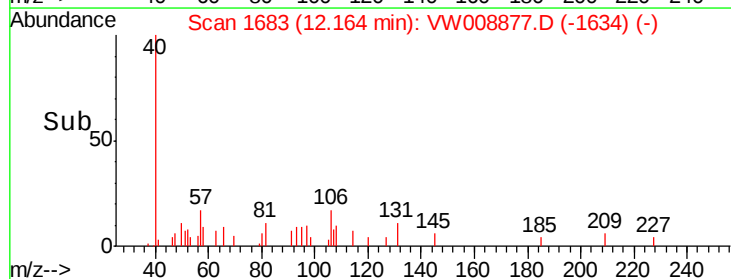
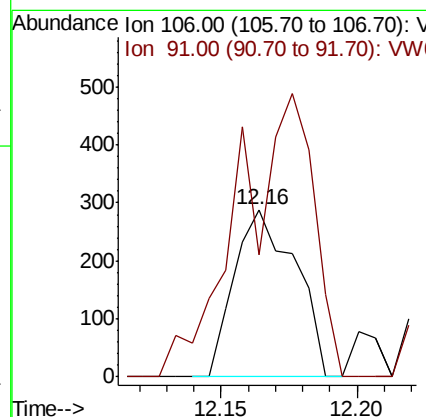
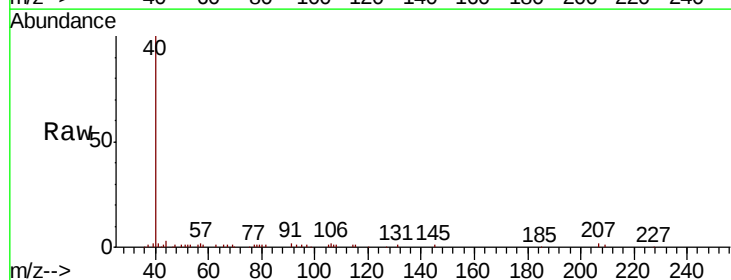
Instrument :
MSVOA_W
ClientSampled :
BFB

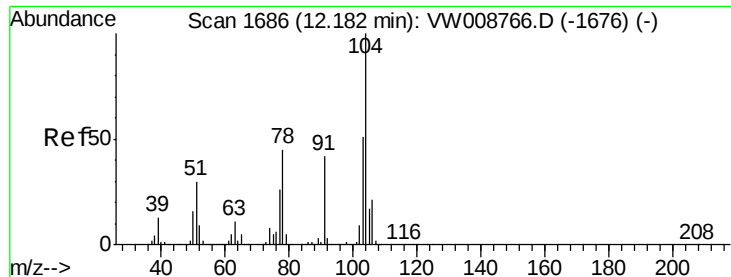
Tot Ion:106 Resp: 433
Ion Ratio Lower Upper
106 100
91 395.4 161.5 242.3#



#69
o-Xylene
Concen: 8.985 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW008877.D
Acq: 28 Feb 2019 10:09

Tgt Ion:106 Resp: 447
Ion Ratio Lower Upper
106 100
91 206.7 106.2 318.6

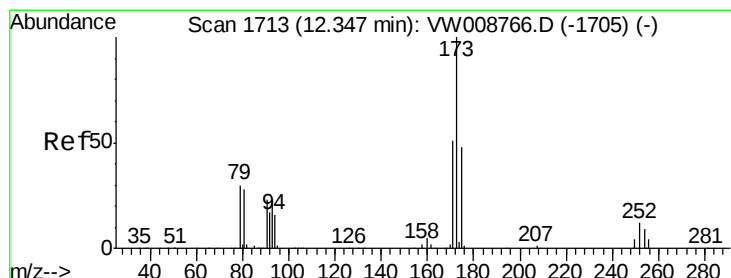
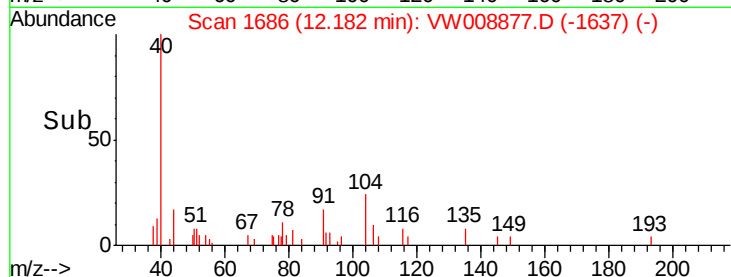
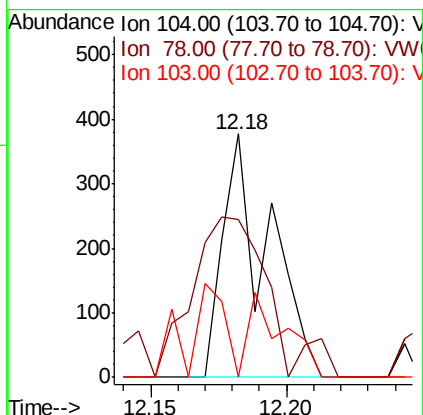
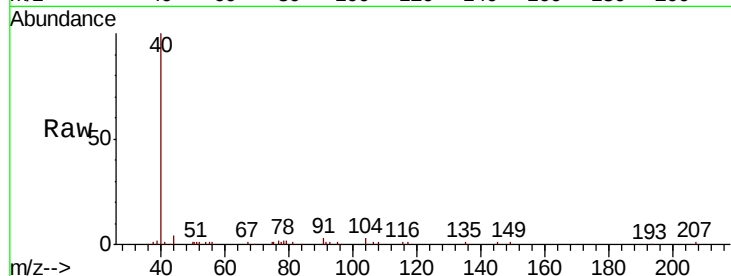




#70
Stvrene
Concen: 5.398 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008877.D
Acq: 28 Feb 2019 10:09

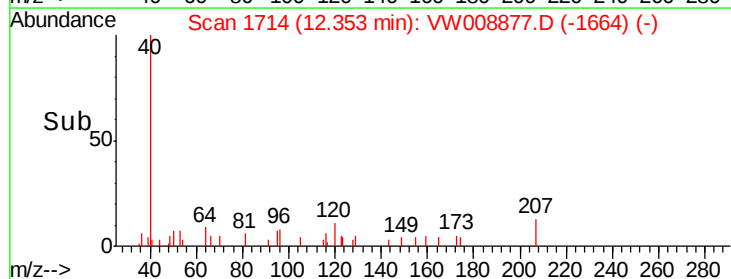
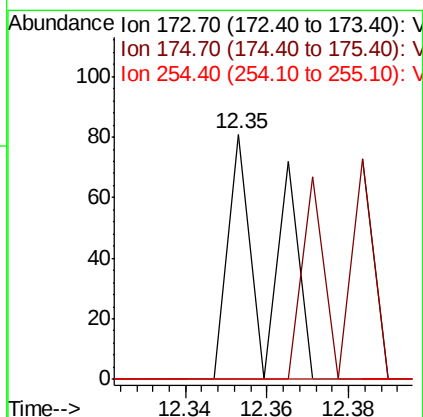
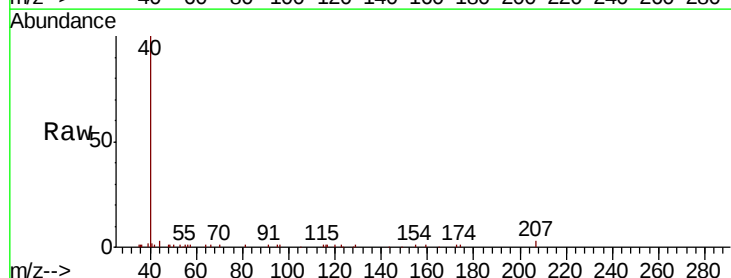
Instrument :
MSVOA_W
ClientSampled :
BFB

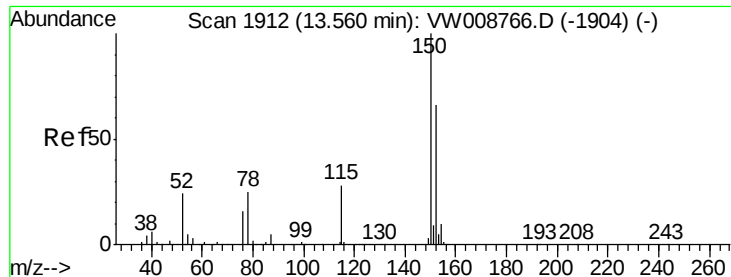
Tot Ion:104 Resp: 432
Ion Ratio Lower Upper
104 100
78 113.2 40.8 61.2#
103 27.8 44.2 66.2#



#71
Bromoform
Concen: 4.152 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW008877.D
Acq: 28 Feb 2019 10:09

Tgt Ion:173 Resp: 56
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.2 0.4#



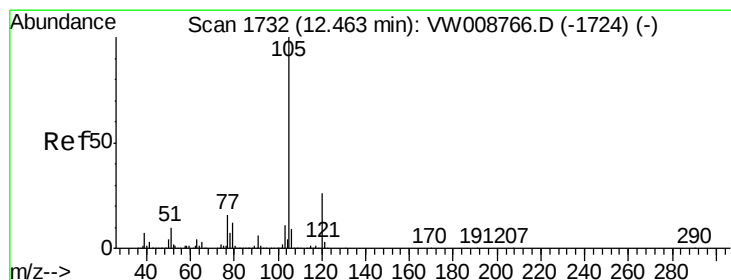
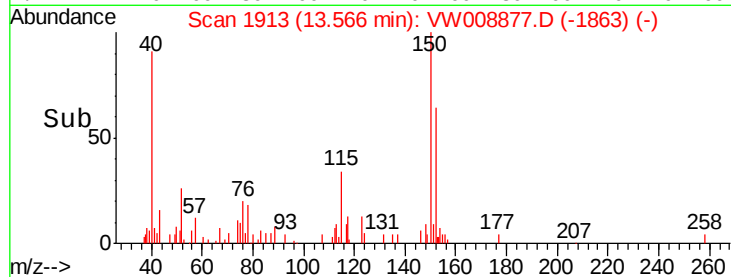
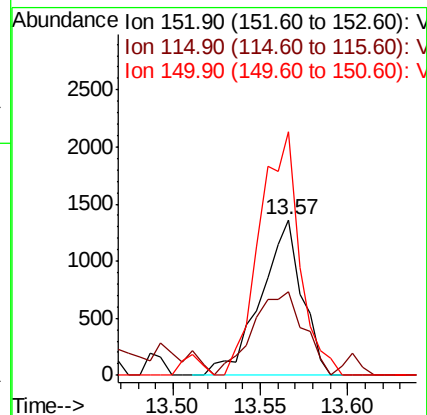
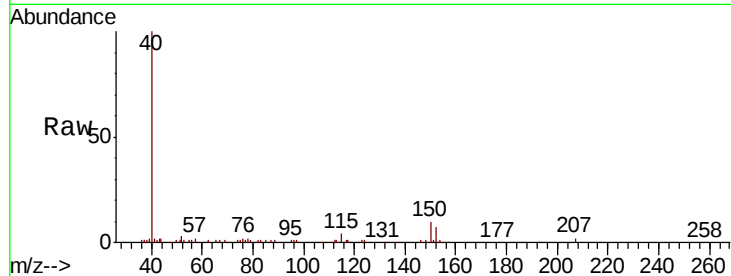


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW008877.D
Acq: 28 Feb 2019 10:09

Instrument :
MSVOA_W
ClientSampleId :
BFB

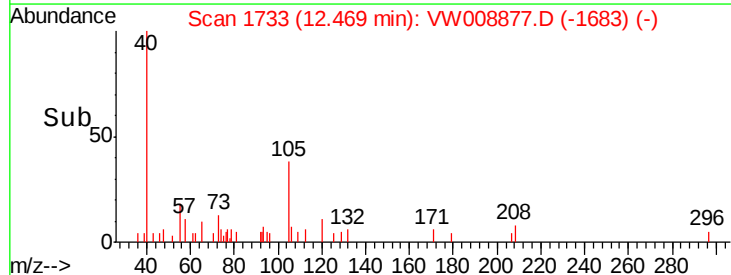
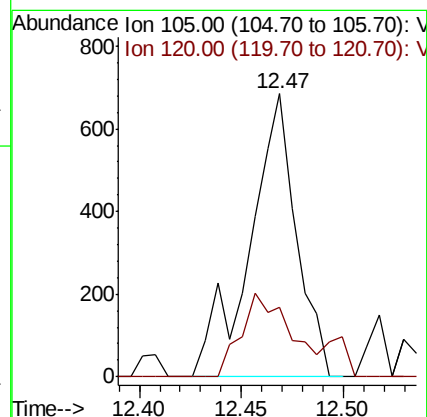
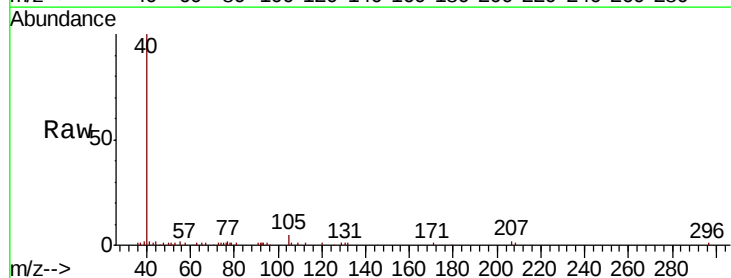
Tot Ion:152 Resp: 2236
Ion Ratio Lower Upper
152 100
115 66.5 28.6 85.8
150 151.8 0.0 348.0

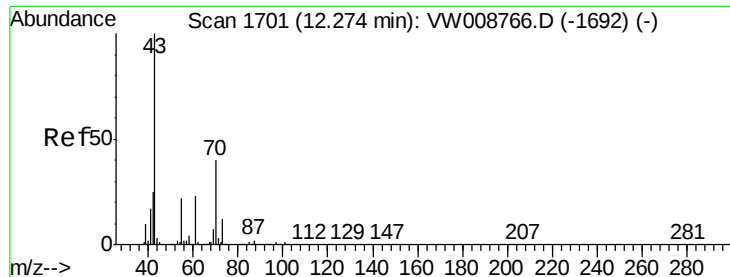


#73

Isopropylbenzene
Concen: 7.150 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW008877.D
Acq: 28 Feb 2019 10:09

Tgt Ion:105 Resp: 1096
Ion Ratio Lower Upper
105 100
120 30.8 13.3 39.9





#74

N-amvl acetate

Concen: 18.647 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampled :

BFB

Tot Ion: 43 Resp: 720

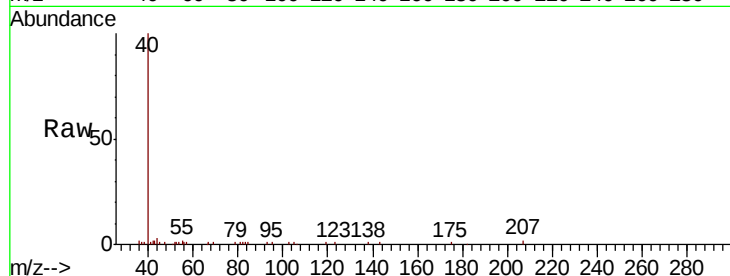
Ion Ratio Lower Upper

43 100

70 3.3 31.0 46.6#

55 6.7 18.7 28.1#

61 0.0 18.1 27.1#

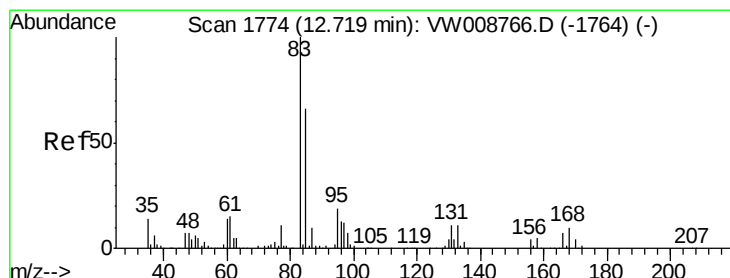
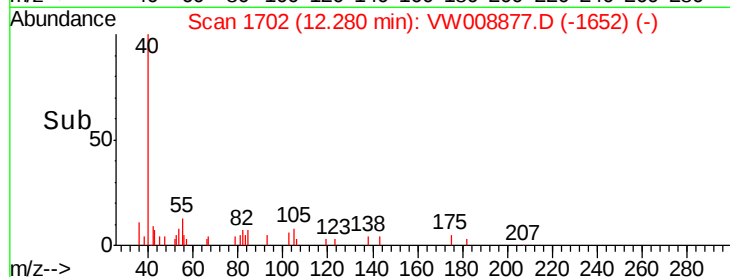
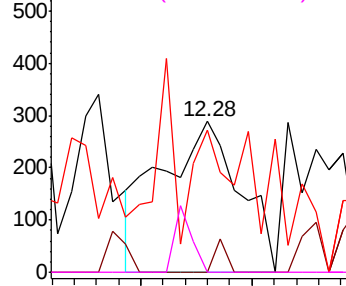


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 12.297 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

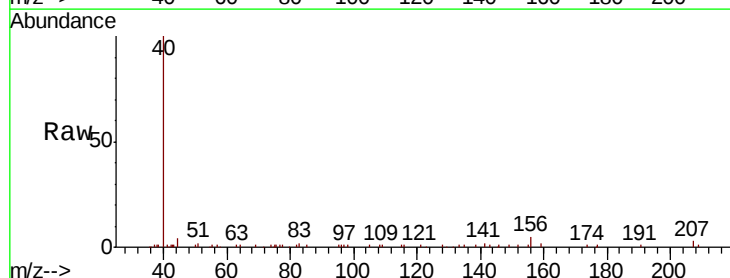
Tgt Ion: 83 Resp: 308

Ion Ratio Lower Upper

83 100

131 25.0 5.5 16.7#

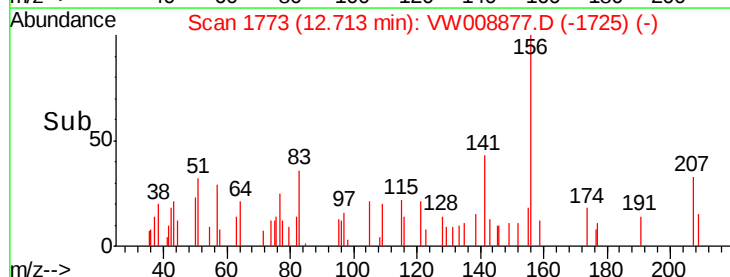
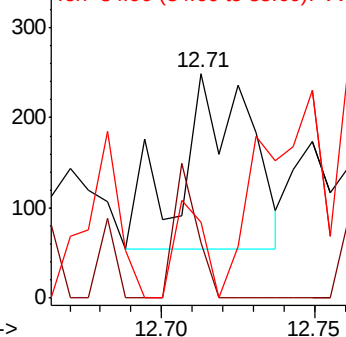
85 22.7 33.0 98.9#

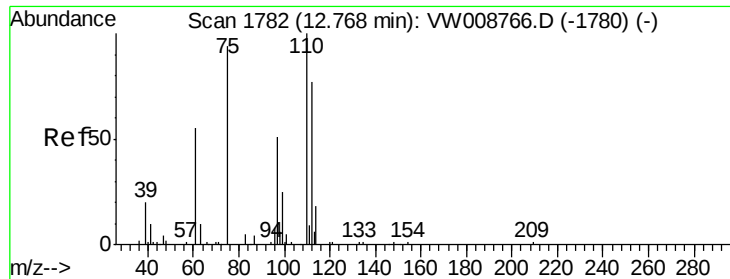


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

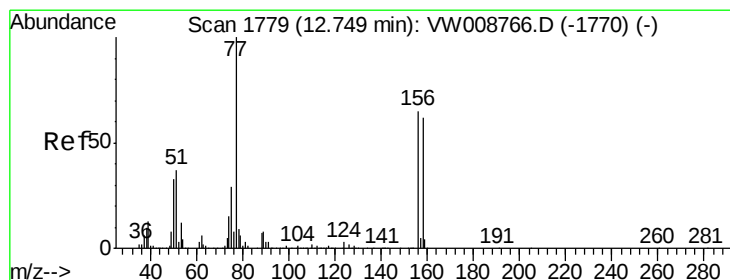
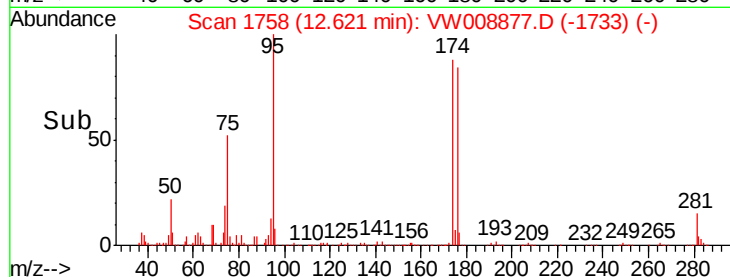
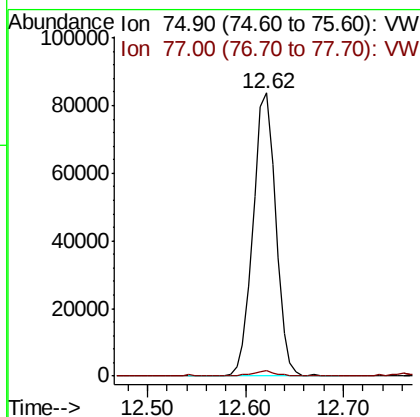
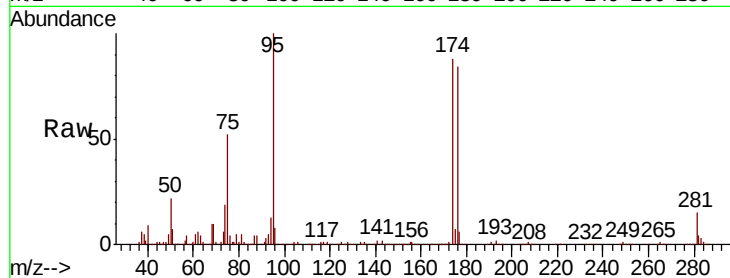




#76
 1,2,3-Trichloropropane
 Concen: 7381.987 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008877.D
 Acq: 28 Feb 2019 10:09

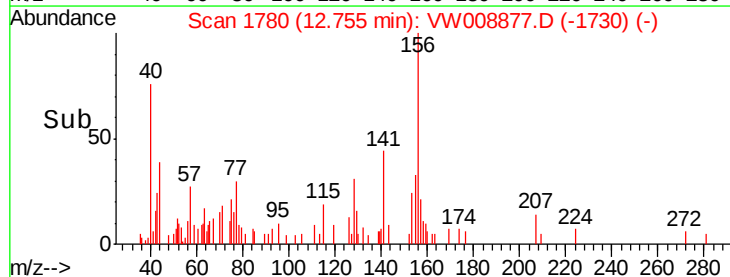
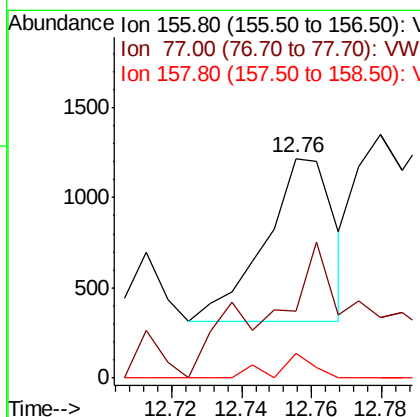
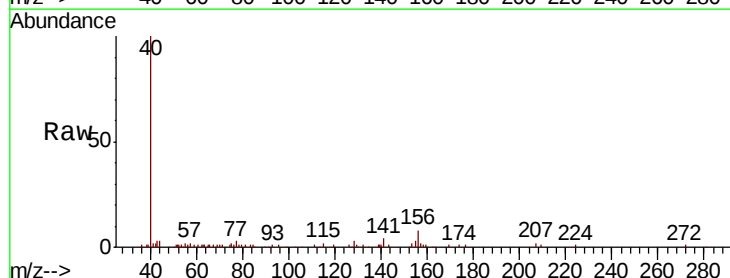
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

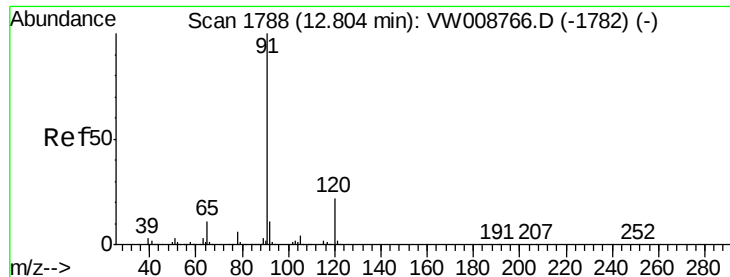
Tot Ion: 75 Resp: 136280
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#



#77
 Bromobenzene
 Concen: 34.536 ug/l
 RT: 12.76 min Scan# 1780
 Delta R.T. 0.01 min
 Lab File: VW008877.D
 Acq: 28 Feb 2019 10:09

Tgt Ion: 156 Resp: 1251
 Ion Ratio Lower Upper
 156 100
 77 100.2 89.1 267.4
 158 7.7 49.2 147.6#





#78

n-propylbenzene

Concen: 6.026 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampleId :

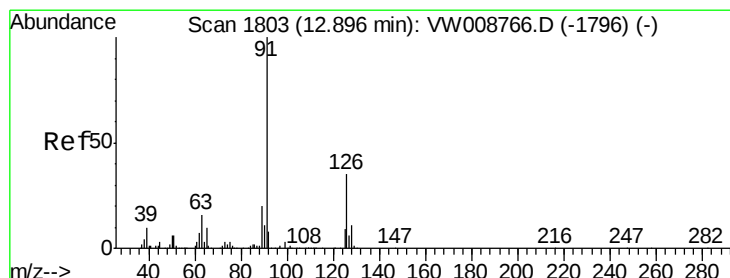
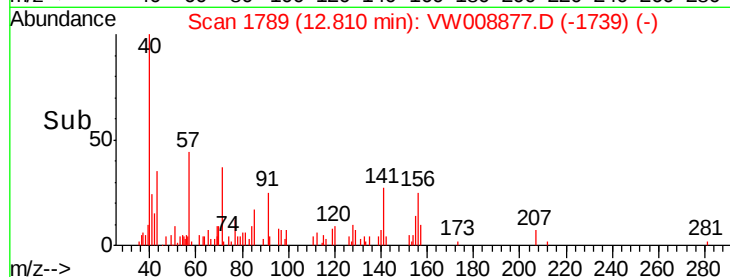
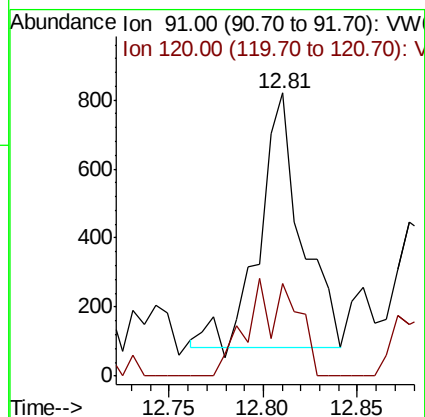
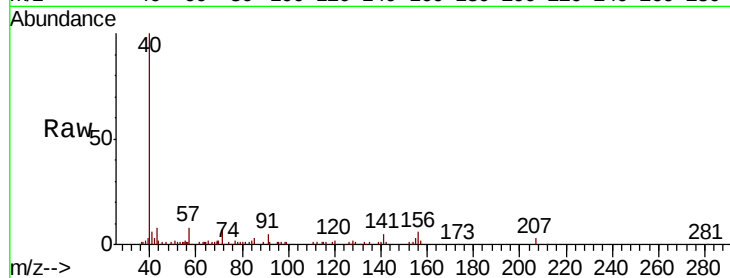
BFB

Tot Ion: 91 Resp: 1130

Ion Ratio Lower Upper

91 100

120 22.6 11.5 34.4



#79

2-Chlorotoluene

Concen: 3.325 ug/l

RT: 12.88 min Scan# 1800

Delta R.T. -0.02 min

Lab File: VW008877.D

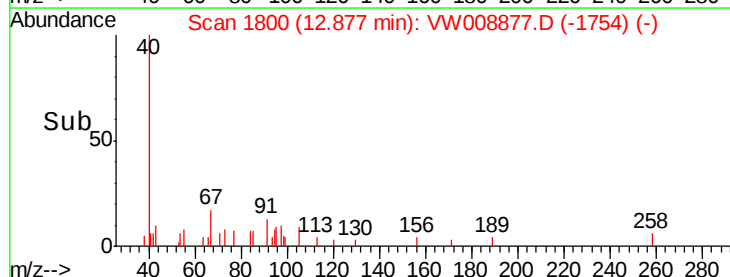
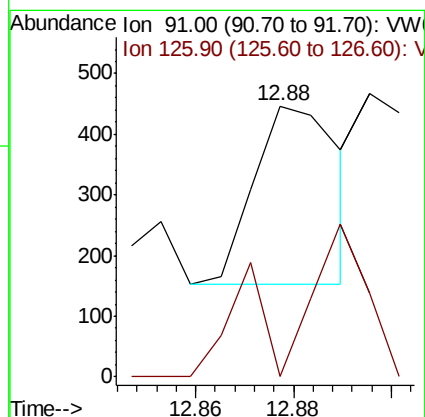
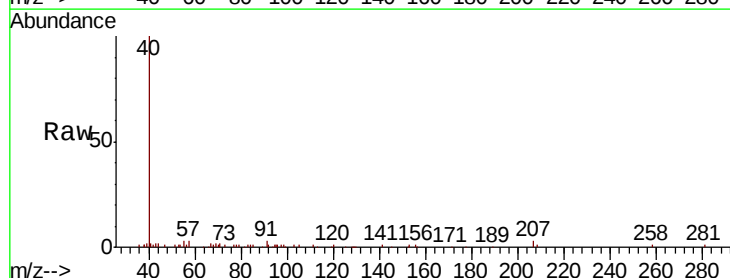
Acq: 28 Feb 2019 10:09

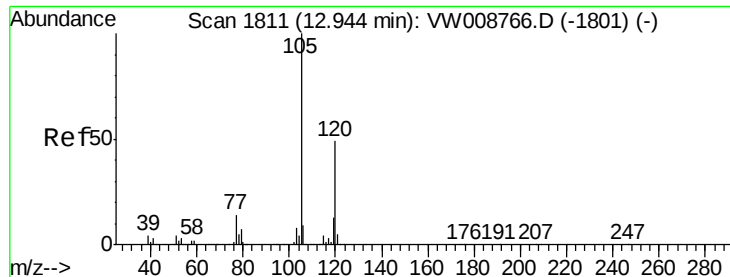
Tgt Ion: 91 Resp: 354

Ion Ratio Lower Upper

91 100

126 26.6 17.0 51.0

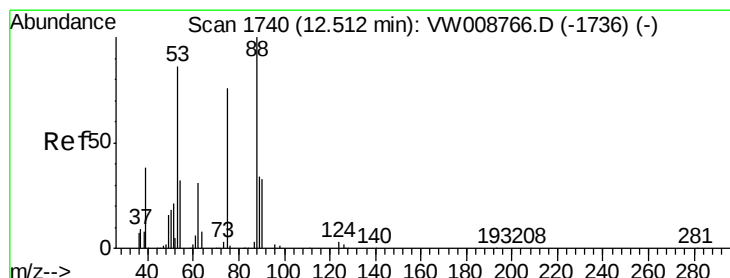
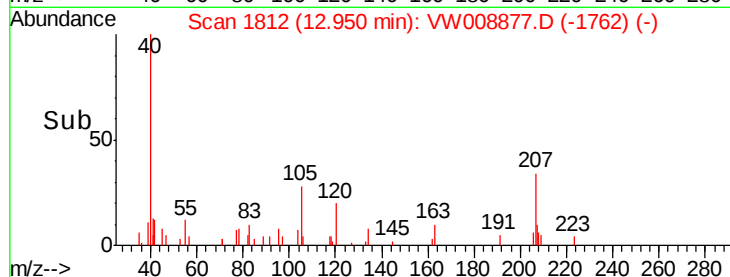
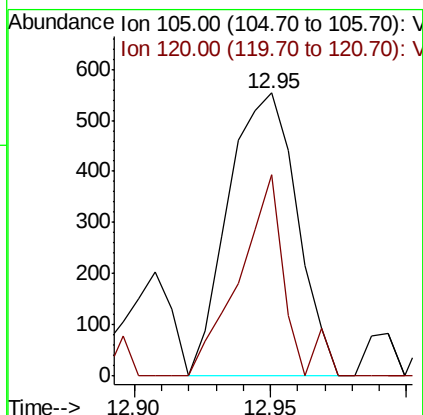
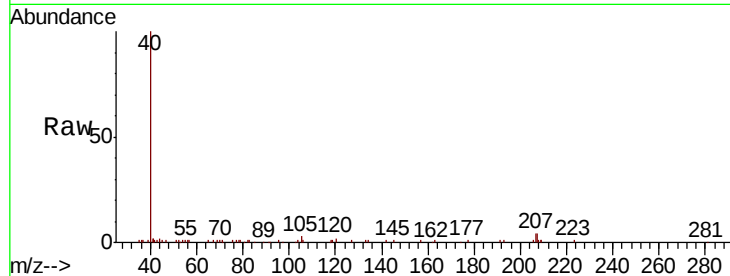




#80
 1,3,5-Trimethylbenzene
 Concen: 7.259 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW008877.D
 Acq: 28 Feb 2019 10:09

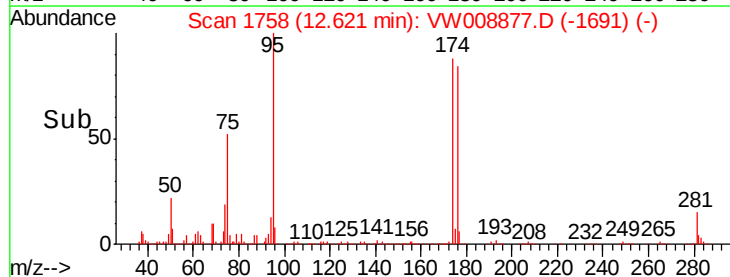
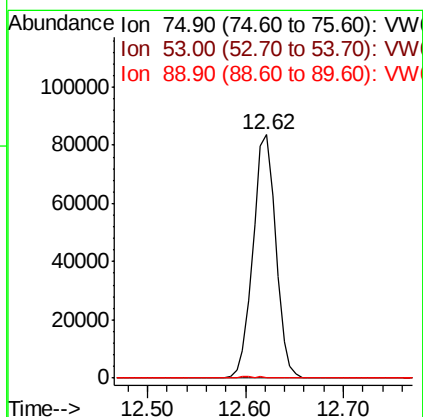
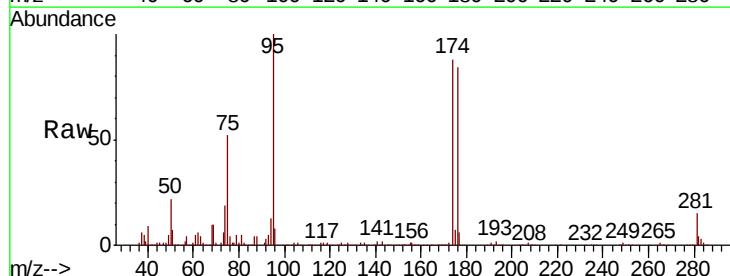
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

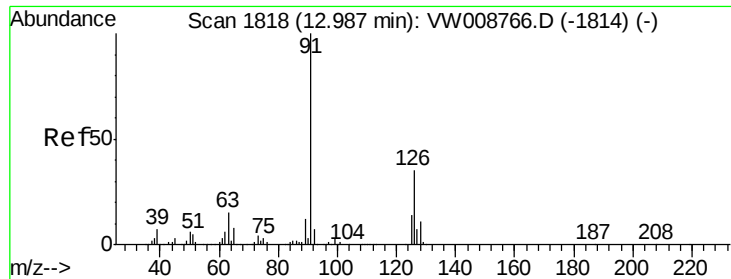
Tot Ion:105 Resp: 967
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.8 74.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 17946.174 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW008877.D
 Acq: 28 Feb 2019 10:09

Tgt Ion: 75 Resp: 136280
 Ion Ratio Lower Upper
 75 100
 53 0.2 88.2 132.2#
 89 0.5 39.5 59.3#





#82

4-Chlorotoluene

Concen: 4.653 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampled :

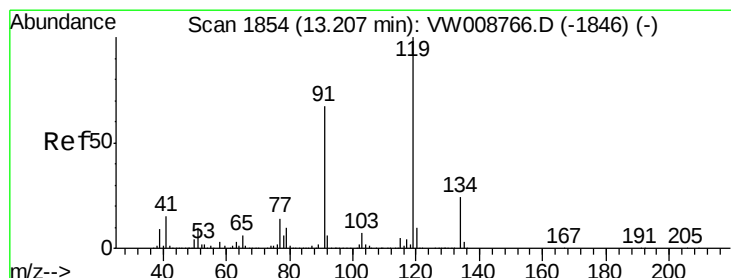
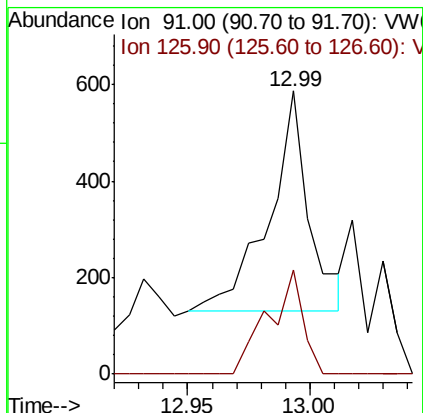
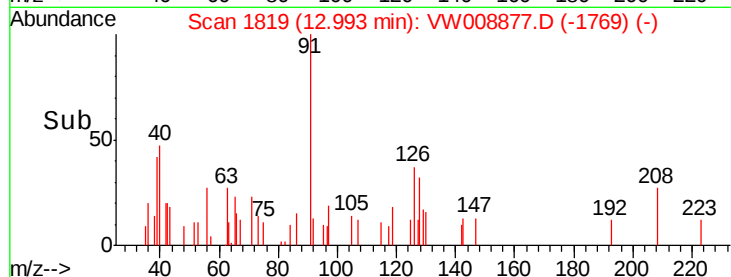
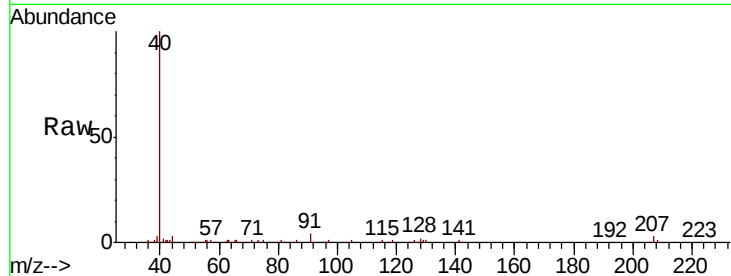
BFB

Tot Ion: 91 Resp: 522

Ion Ratio Lower Upper

91 100

126 41.0 17.2 51.6



#83

tert-Butylbenzene

Concen: 7.996 ug/l

RT: 13.20 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

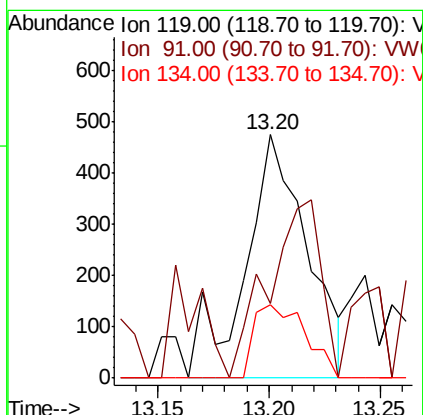
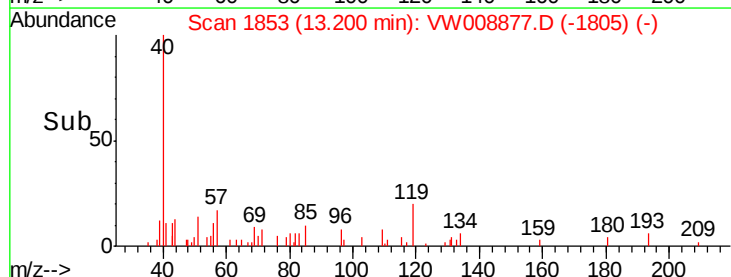
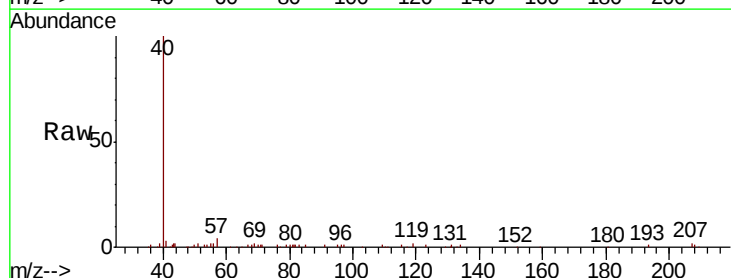
Tgt Ion: 119 Resp: 921

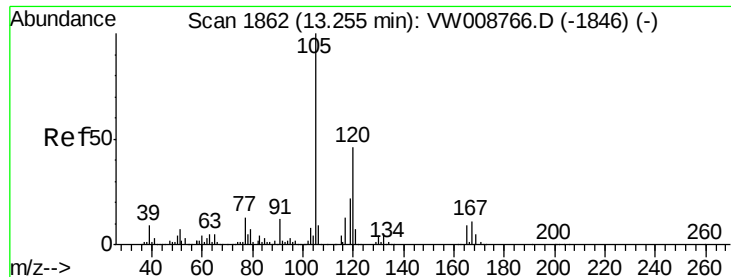
Ion Ratio Lower Upper

119 100

91 61.7 33.6 100.8

134 25.0 13.7 41.1

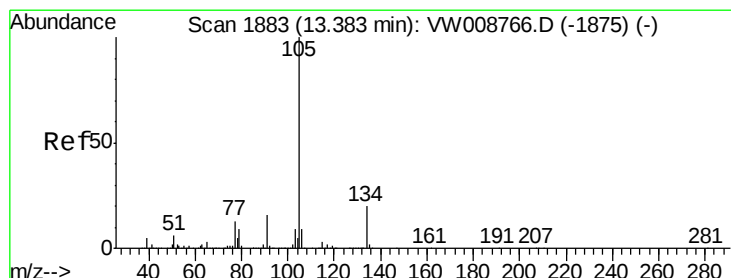
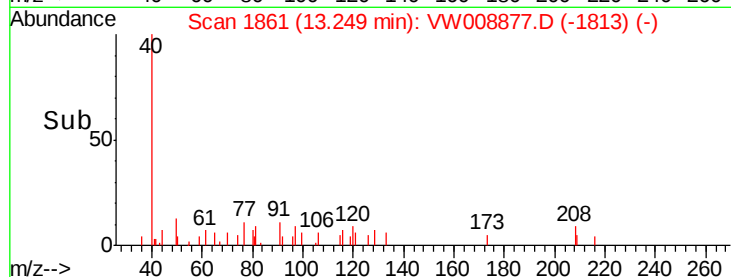
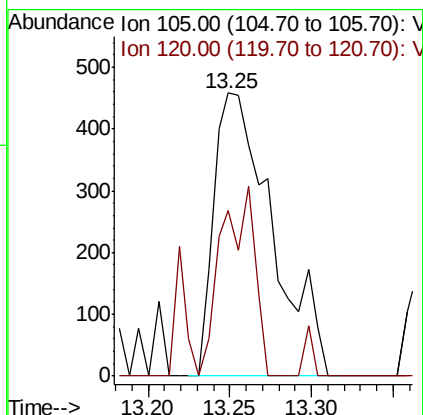
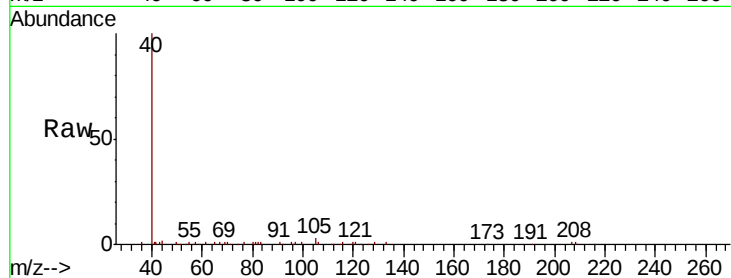




#84
1,2,4-Trimethylbenzene
Concen: 8.282 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW008877.D
Acq: 28 Feb 2019 10:09

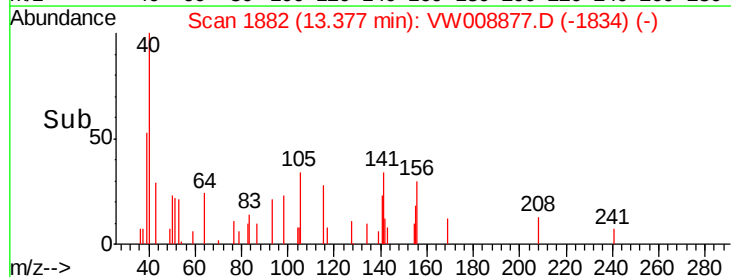
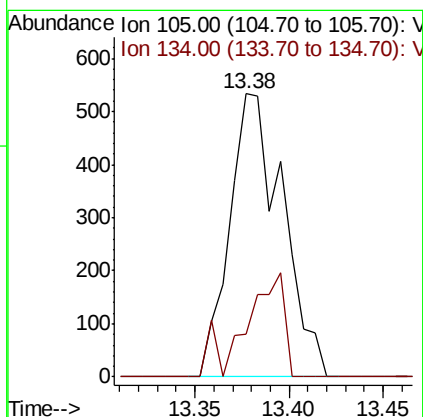
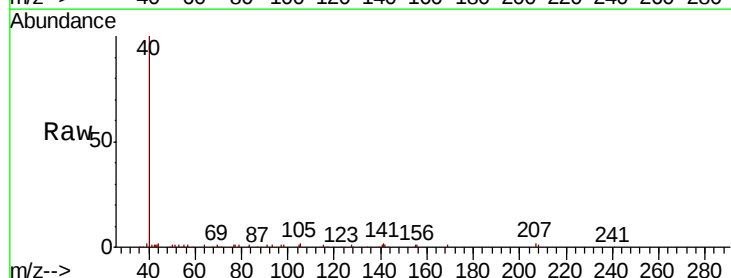
Instrument :
MSVOA_W
ClientSampled :
BFB

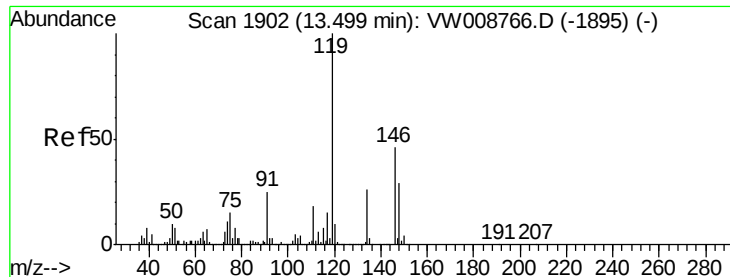
Tot Ion:105 Resp: 1142
Ion Ratio Lower Upper
105 100
120 38.4 22.8 68.4



#85
sec-Butylbenzene
Concen: 6.249 ug/l
RT: 13.38 min Scan# 1882
Delta R.T. -0.01 min
Lab File: VW008877.D
Acq: 28 Feb 2019 10:09

Tgt Ion:105 Resp: 1035
Ion Ratio Lower Upper
105 100
134 23.6 10.4 31.1

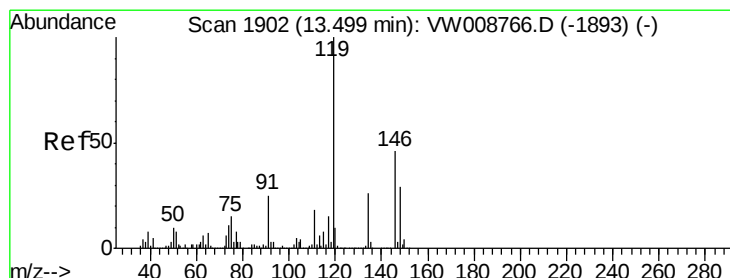
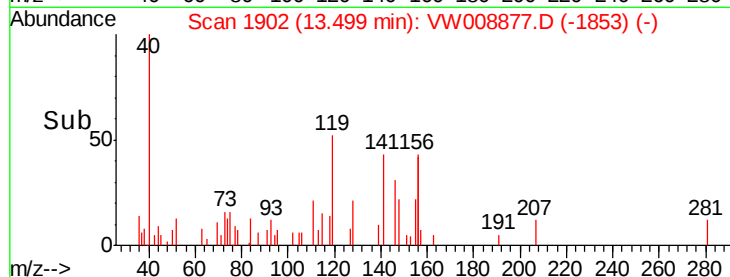
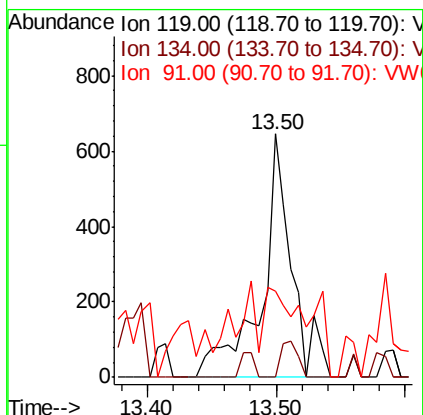
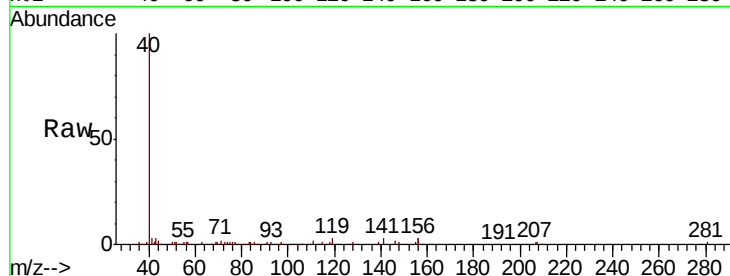




#86
 p-Isopropyltoluene
 Concen: 6.962 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW008877.D
 Acq: 28 Feb 2019 10:09

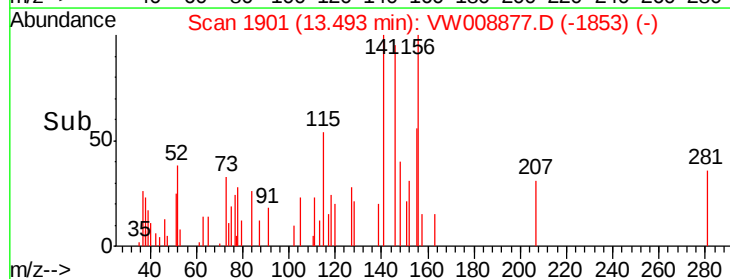
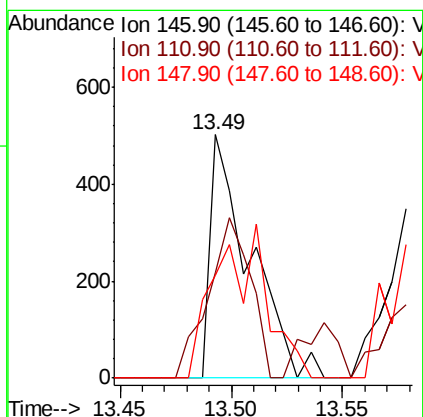
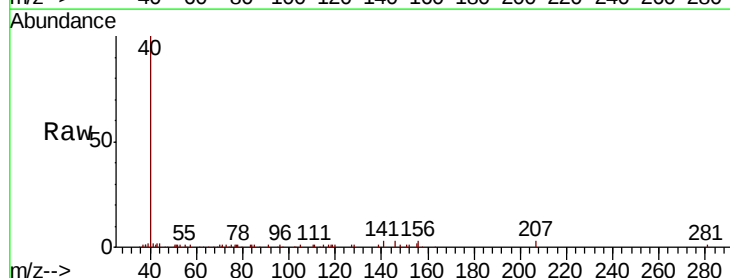
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

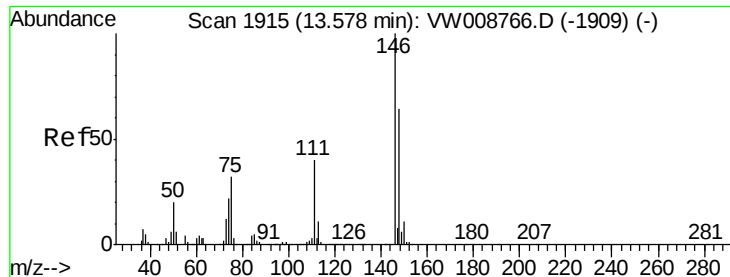
Tot Ion	Ratio	Lower	Upper
119	100		
134	8.4	13.1	39.3#
91	53.3	12.1	36.3#



#87
 1,3-Dichlorobenzene
 Concen: 8.276 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW008877.D
 Acq: 28 Feb 2019 10:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	69.6	19.9	59.7#
148	80.4	31.6	94.8

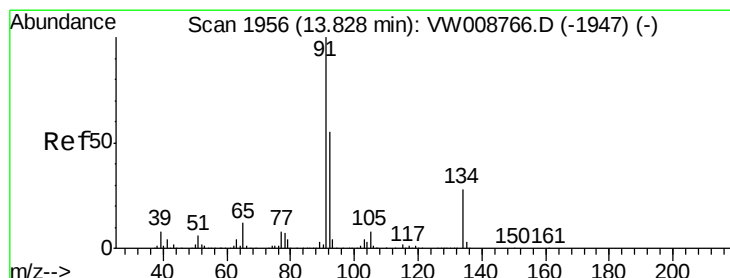
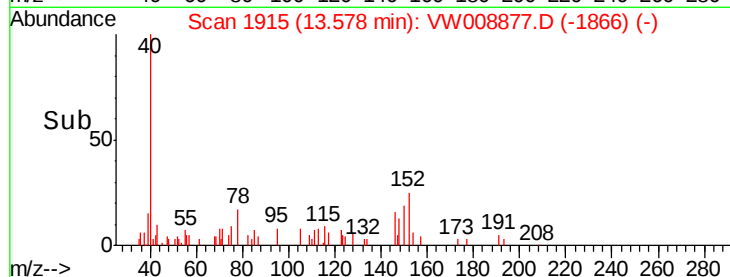
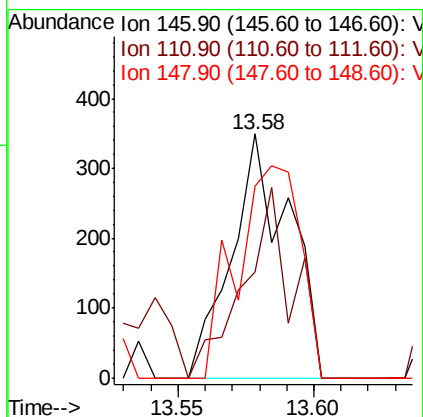
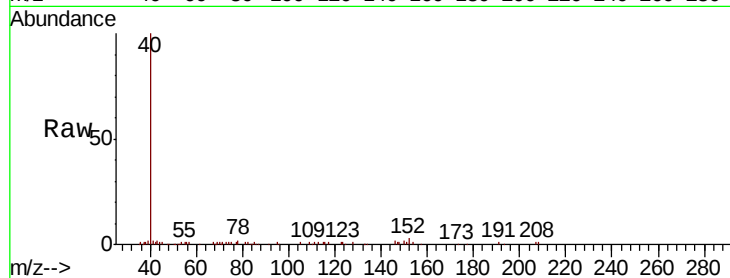




#88
 1,4-Dichlorobenzene
 Concen: 6.899 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW008877.D
 Acq: 28 Feb 2019 10:09

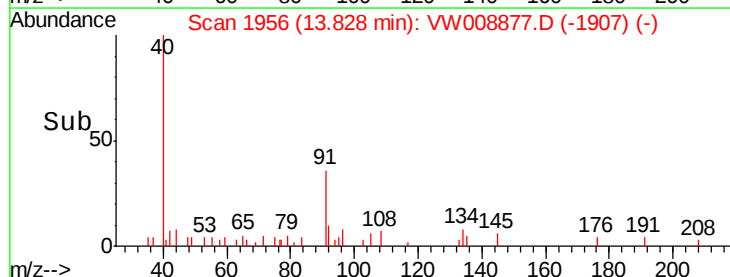
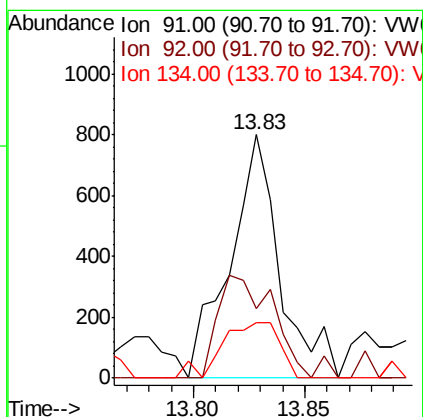
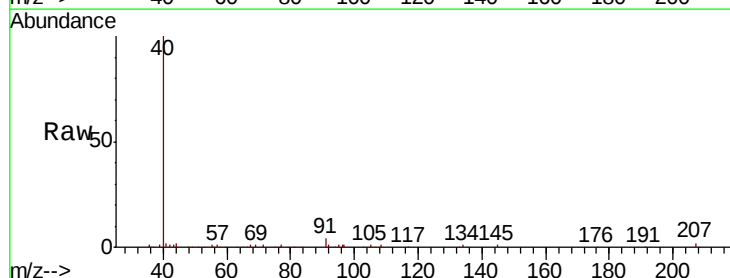
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

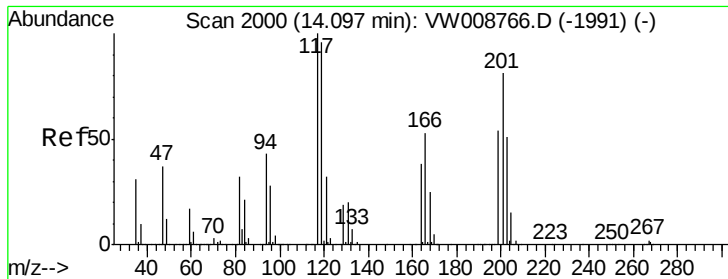
Tot Ion	Ratio	Lower	Upper
146	100		
111	65.4	19.3	57.9#
148	96.7	31.9	95.9#



#89
 n-Butylbenzene
 Concen: 8.802 ug/l
 RT: 13.83 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW008877.D
 Acq: 28 Feb 2019 10:09

Tgt Ion	Ratio	Lower	Upper
91	100		
92	45.7	26.8	80.4
134	26.4	13.5	40.4





#90

Hexachloroethane

Concen: 7.161 ug/l

RT: 14.08 min Scan# 1998

Delta R.T. -0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampled :

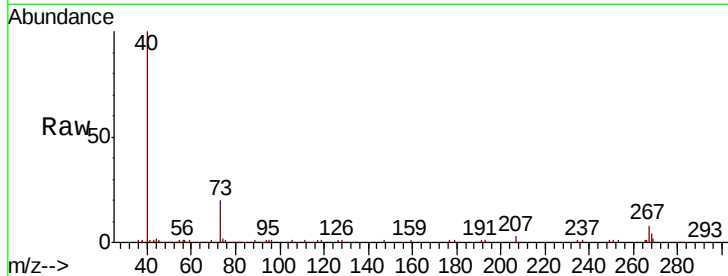
BFB

Tot Ion:117 Resp: 178

Ion Ratio Lower Upper

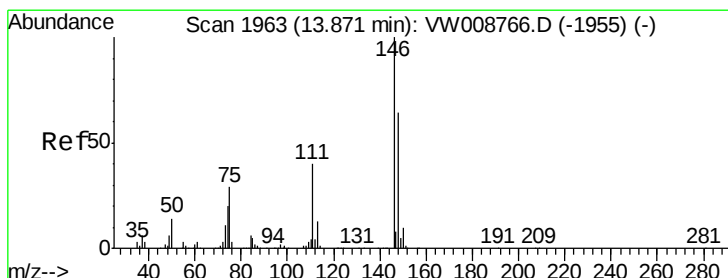
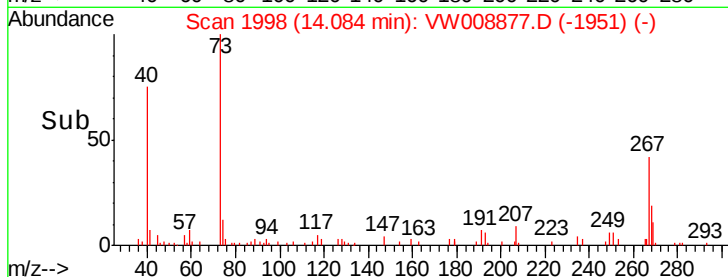
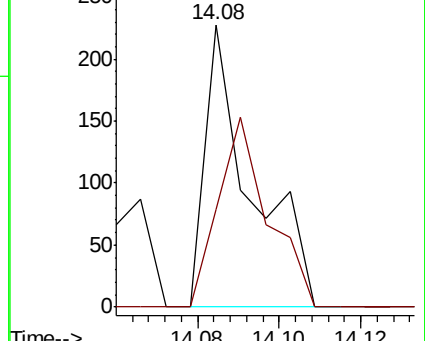
117 100

201 72.5 40.3 120.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 8.183 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

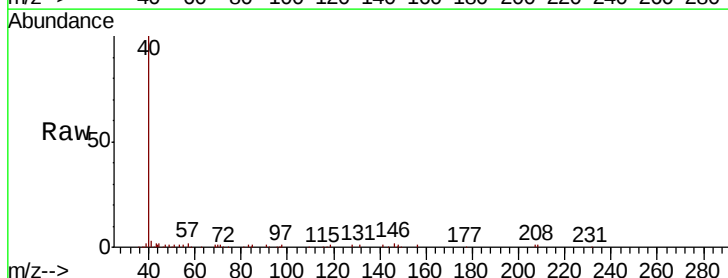
Tgt Ion:146 Resp: 548

Ion Ratio Lower Upper

146 100

111 30.8 20.3 60.8

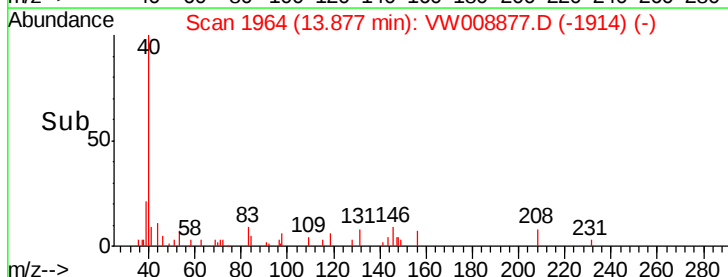
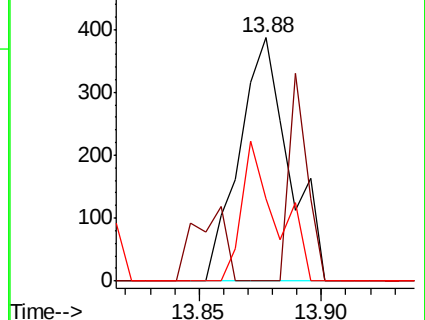
148 39.6 32.5 97.5

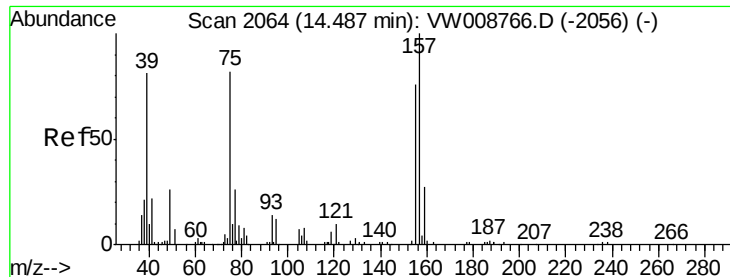


Abundance Ion 145.90 (145.60 to 146.60): V

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: 33.107 ug/l

RT: 14.47 min Scan# 2061

Delta R.T. -0.02 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampleId :

BFB

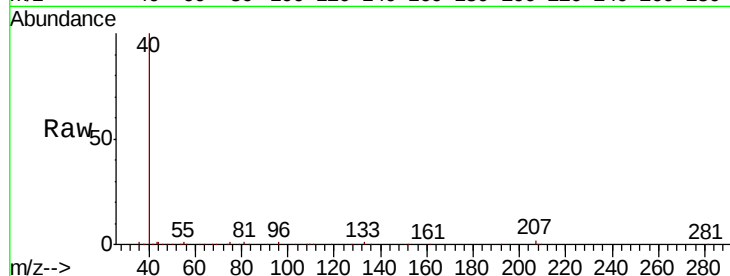
Tot Ion: 75 Resp: 150

Ion Ratio Lower Upper

75 100

155 0.0 41.8 125.4#

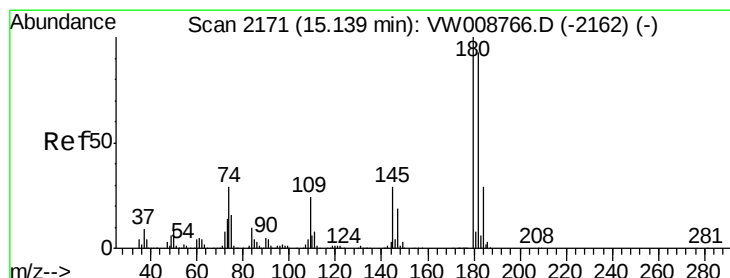
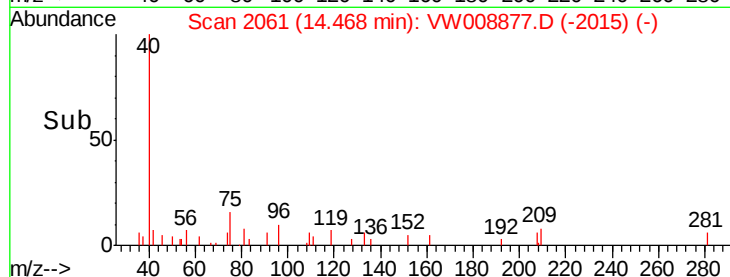
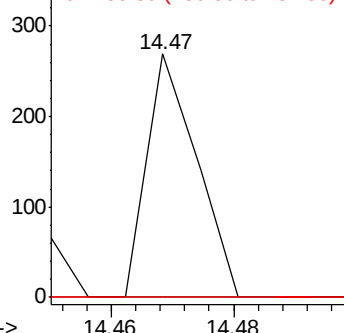
157 0.0 56.6 169.9#



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: 9.119 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. -0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

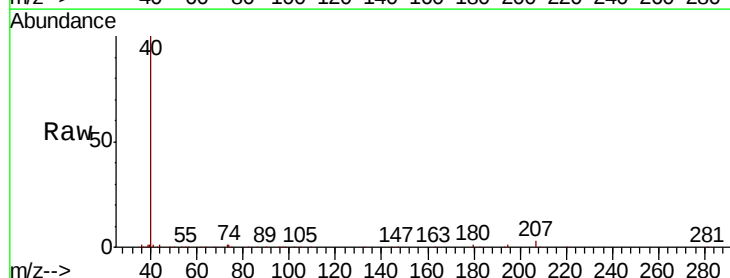
Tgt Ion:180 Resp: 440

Ion Ratio Lower Upper

180 100

182 68.9 47.2 141.6

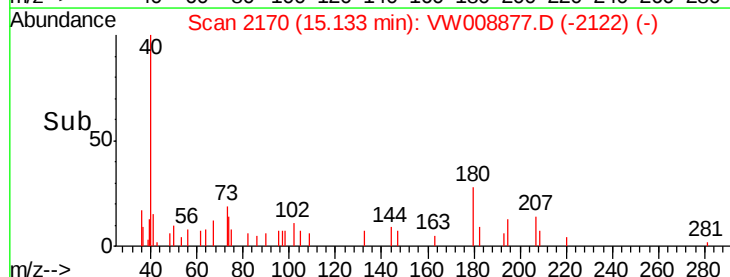
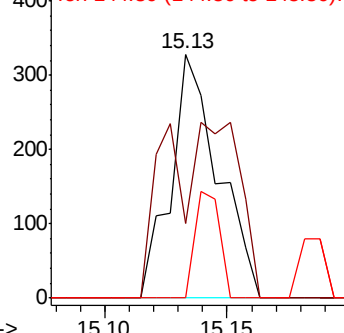
145 23.0 14.4 43.0

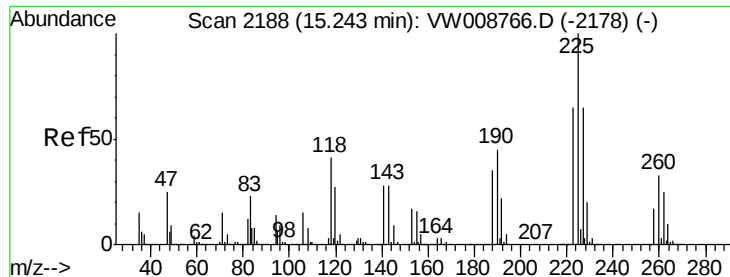


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 8.445 ug/l

RT: 15.25 min Scan# 2190

Delta R.T. 0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

Instrument :

MSVOA_W

ClientSampleId :

BFB

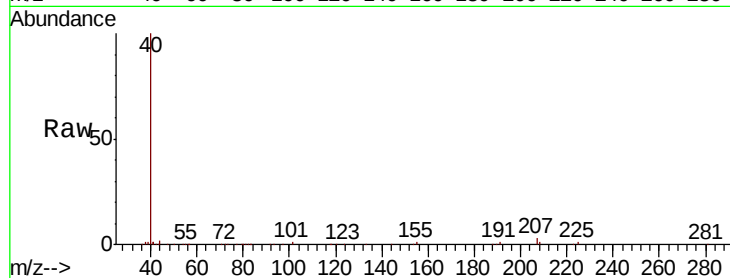
Tot Ion:225 Resp: 240

Ion Ratio Lower Upper

225 100

223 67.5 31.5 94.5

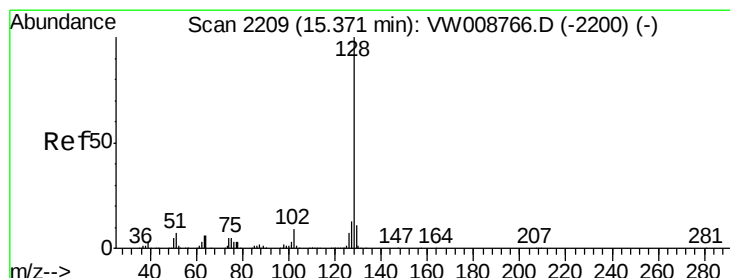
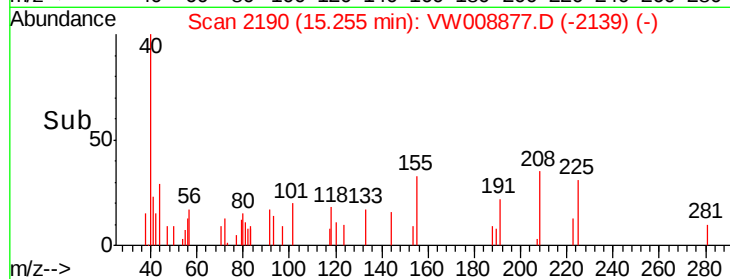
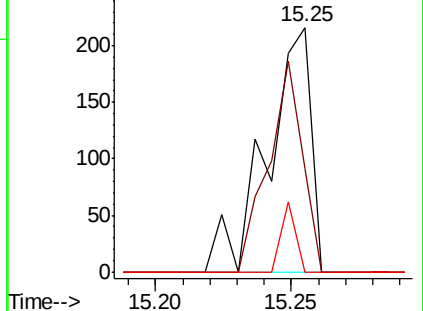
227 9.6 31.6 94.8#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 12.027 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW008877.D

Acq: 28 Feb 2019 10:09

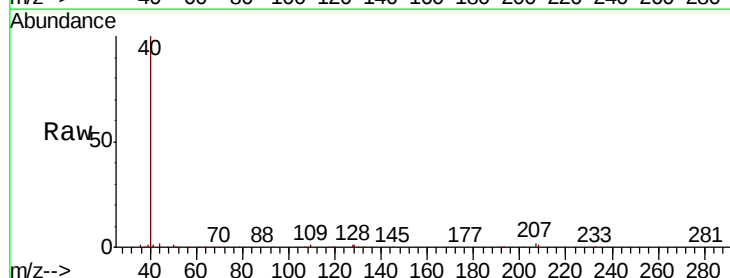
Tgt Ion:128 Resp: 988

Ion Ratio Lower Upper

128 100

127 16.5 10.8 16.2#

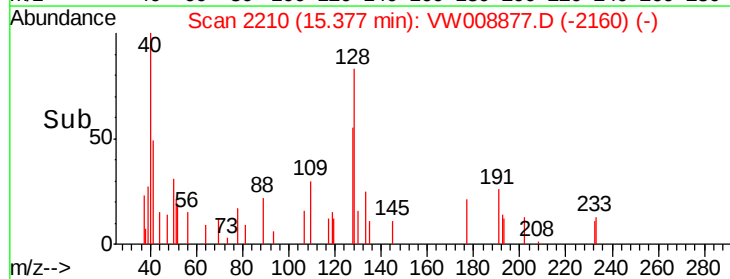
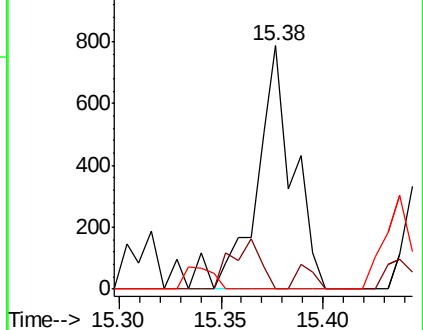
129 0.0 8.7 13.1#

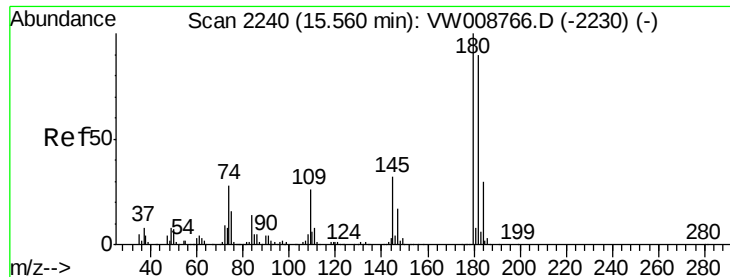


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 14.862 ug/l
 RT: 15.57 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VW008877.D
 Acq: 28 Feb 2019 10:09

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	46.9	140.8#
145	20.0	15.9	47.6

