

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120618\
 Data File : VW007281.D
 Acq On : 06 Dec 2018 16:12
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Quant Time: Dec 06 16:52:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	101343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	155573	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	141605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	66587	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	47266	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
35) Dibromofluoromethane	7.88	113	45964	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
50) Toluene-d8	10.32	98	207466	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	
62) 4-Bromofluorobenzene	12.62	95	72325	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	52060	46.953	ug/l	99
3) Chloromethane	2.21	50	58394	41.587	ug/l	98
4) Vinyl Chloride	2.36	62	43364	49.325	ug/l	99
5) Bromomethane	2.76	94	26421	59.974	ug/l	94
6) Chloroethane	2.92	64	23804	48.257	ug/l	99
7) Trichlorofluoromethane	3.26	101	86429	50.425	ug/l	97
8) Diethyl Ether	3.69	74	22250	46.570	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50740	49.005	ug/l	97
10) Methyl Iodide	4.27	142	42283	47.938	ug/l	99
11) Tert butyl alcohol	5.17	59	16746	180.688	ug/l	95
12) 1,1-Dichloroethene	4.04	96	47229	48.673	ug/l	94
13) Acrolein	3.89	56	14579	220.514	ug/l	99
14) Allyl chloride	4.67	41	72868	46.850	ug/l	96
15) Acrylonitrile	5.37	53	45374	227.175	ug/l	99
16) Acetone	4.12	43	51395	230.090	ug/l	99
17) Carbon Disulfide	4.38	76	156832	49.033	ug/l	99
18) Methyl Acetate	4.67	43	21844	42.843	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	106956	46.817	ug/l	97
20) Methylene Chloride	4.92	84	56494	50.249	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	52966	48.886	ug/l	95
22) Diisopropyl ether	6.32	45	136820	49.003	ug/l	97
23) Vinyl Acetate	6.26	43	362077	237.661	ug/l	100
24) 1,1-Dichloroethane	6.22	63	87479	48.883	ug/l	99
25) 2-Butanone	7.17	43	57545	222.241	ug/l	93
26) 2,2-Dichloropropane	7.17	77	86810	50.479	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	56683	48.803	ug/l	98
28) Bromochloromethane	7.51	49	29963	46.434	ug/l	100
29) Tetrahydrofuran	7.53	42	34023	212.633	ug/l	98
30) Chloroform	7.68	83	91576	49.238	ug/l	100
31) Cyclohexane	7.96	56	89496	47.797	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	90907	51.939	ug/l	100
36) 1,1-Dichloropropene	8.09	75	79579	52.571	ug/l	99
37) Ethyl Acetate	7.26	43	23504	42.925	ug/l	98
38) Carbon Tetrachloride	8.07	117	82054	53.108	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	102182	50.425	ug/l	97
40) Benzene	8.32	78	213605	51.460	ug/l	100
41) Methacrylonitrile	7.48	41	13921	42.445	ug/l	94
42) 1,2-Dichloroethane	8.40	62	57024	49.155	ug/l	100
43) Isopropyl Acetate	8.43	43	49458	46.506	ug/l	99
44) Trichloroethene	9.09	130	61238	52.484	ug/l	97
45) 1,2-Dichloropropane	9.37	63	48813	50.534	ug/l	97
46) Dibromomethane	9.46	93	24635	49.080	ug/l	96
47) Bromodichloromethane	9.65	83	66583	50.430	ug/l	99
48) Methyl methacrylate	9.44	41	27147	49.184	ug/l	99
49) 1,4-Dioxane	9.45	88	8952	1020.954	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	126118	240.645	ug/l	98
52) Toluene	10.39	92	147663	51.140	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	64972	48.946	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	79098	50.846	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	34415	48.203	ug/l	95
56) Ethyl methacrylate	10.65	69	44048	47.296	ug/l	97
57) 1,3-Dichloropropane	10.93	76	57915	48.047	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	90760	242.624	ug/l	99
59) 2-Hexanone	10.97	43	92252	242.822	ug/l	93
60) Dibromochloromethane	11.13	129	43426	49.489	ug/l	98
61) 1,2-Dibromoethane	11.24	107	32137	46.930	ug/l	97
64) Tetrachloroethene	10.87	164	52351	50.601	ug/l	97
65) Chlorobenzene	11.66	112	155756	49.250	ug/l #	89
66) 1,1,1,2-Tetrachloroethane	11.73	131	48707	49.868	ug/l	97
67) Ethyl Benzene	11.73	91	284270	49.318	ug/l	97
68) m/p-Xylenes	11.84	106	221861	98.113	ug/l	95
69) o-Xylene	12.17	106	107411	50.841	ug/l	96
70) Styrene	12.18	104	172410	49.852	ug/l	97
71) Bromoform	12.35	173	23260	47.573	ug/l #	98
73) Isopropylbenzene	12.47	105	291702	53.862	ug/l	99
74) N-amyl acetate	12.27	43	46002	47.909	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	35294	50.179	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	50686	98.307	ug/l #	100
77) Bromobenzene	12.75	156	63638	54.438	ug/l	98
78) n-propylbenzene	12.81	91	343119	53.179	ug/l	98
79) 2-Chlorotoluene	12.90	91	199296	54.698	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	254258	54.879	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	11471	47.953	ug/l	92
82) 4-Chlorotoluene	12.99	91	206792	53.350	ug/l	99
83) tert-Butylbenzene	13.21	119	222262	54.896	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	248092	52.458	ug/l	94
85) sec-Butylbenzene	13.39	105	324828	56.198	ug/l	96
86) p-Isopropyltoluene	13.51	119	279531	54.326	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	124718	51.970	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	129544	53.441	ug/l	99
89) n-Butylbenzene	13.83	91	260549	54.188	ug/l	98
90) Hexachloroethane	14.10	117	41951	53.502	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	110090	52.991	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6823	50.076	ug/l	99

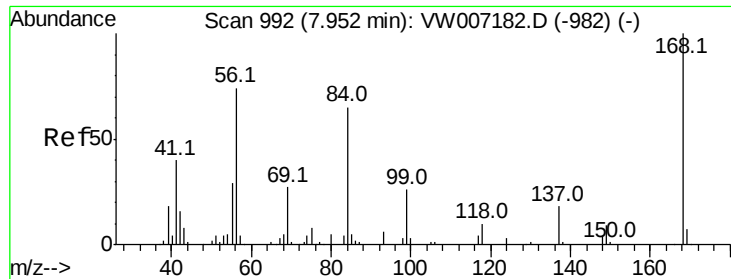
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QLast Update : Wed Dec 05 01:35:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	77226	53.639	ug/l	99
94) Hexachlorobutadiene	15.24	225	43929	56.581	ug/l	98
95) Naphthalene	15.38	128	130289	50.494	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	64392	53.040	ug/l	97

(#) = 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: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampled :

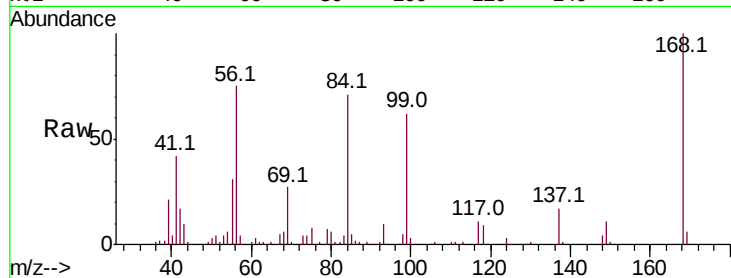
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Tot Ion:168 Resp: 101343

Ion Ratio Lower Upper

168 100

99 61.5 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

30000

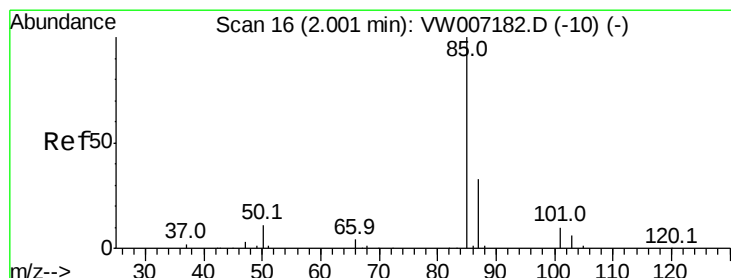
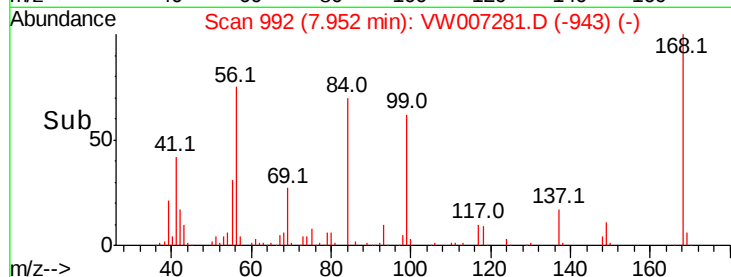
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10000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.953 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW007281.D

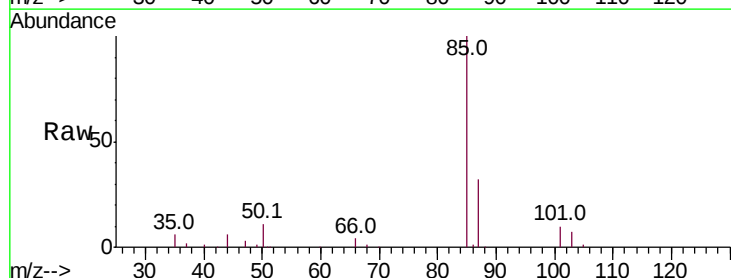
Acq: 06 Dec 2018 16:12

Tgt Ion: 85 Resp: 52060

Ion Ratio Lower Upper

85 100

87 32.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

30000

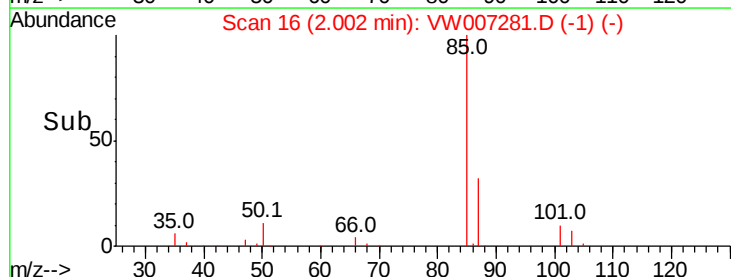
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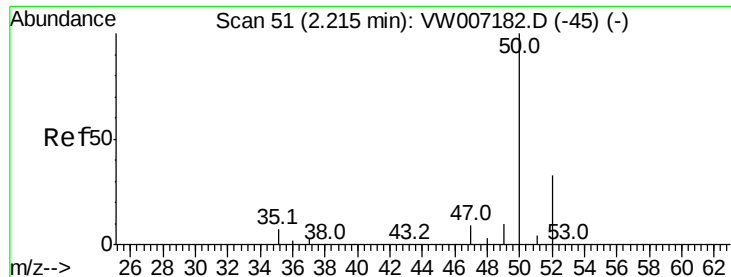
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1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 41.587 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampleId :

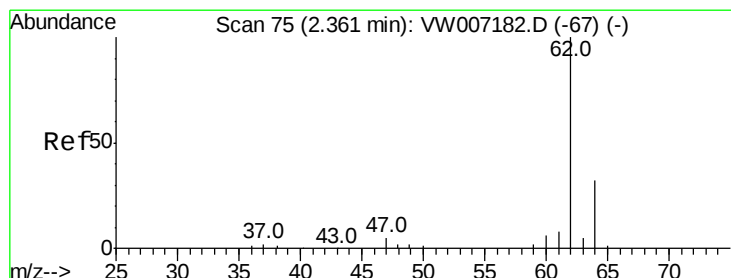
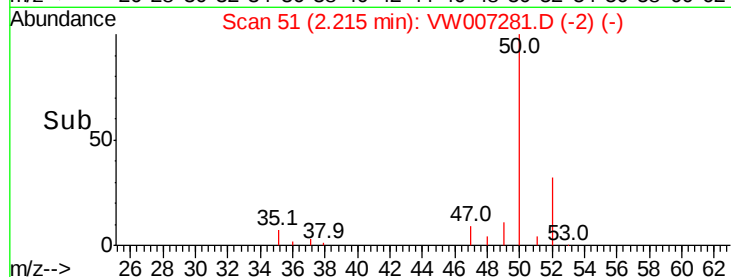
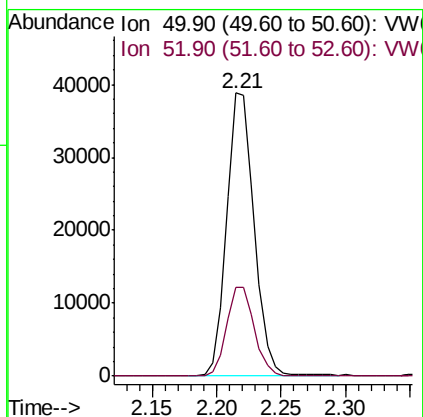
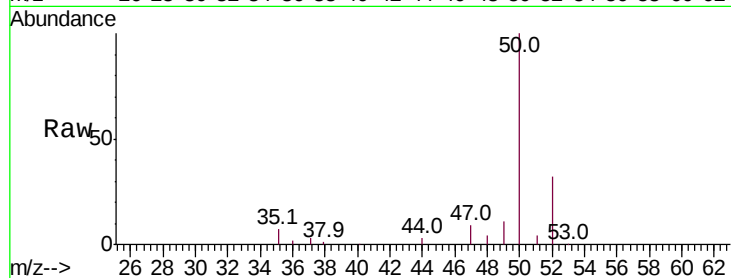
BFB

Tot Ion: 50 Resp: 58394

Ion Ratio Lower Upper

50 100

52 31.6 26.2 39.2



#4

Vinyl Chloride

Concen: 49.325 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW007281.D

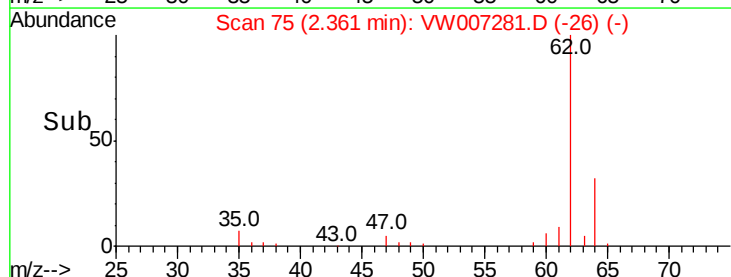
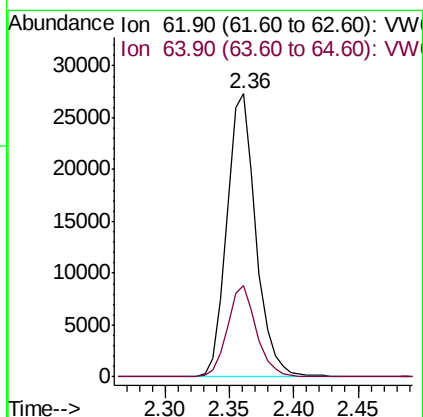
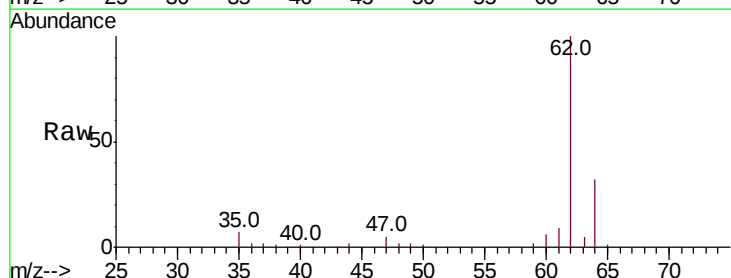
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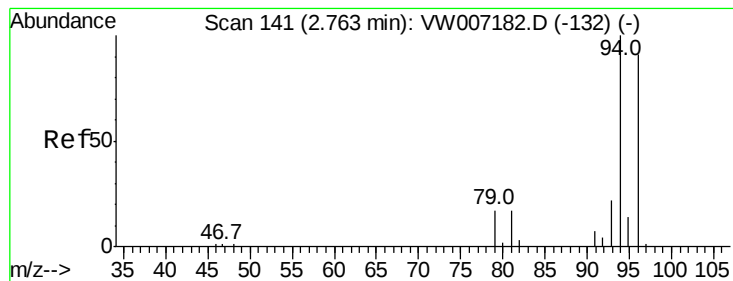
Tgt Ion: 62 Resp: 43364

Ion Ratio Lower Upper

62 100

64 32.4 25.3 37.9





#5

Bromomethane

Concen: 59.974 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampled :

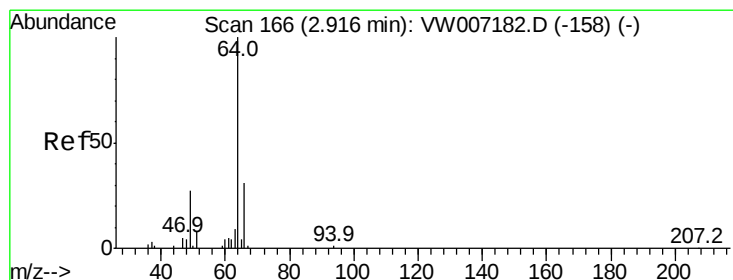
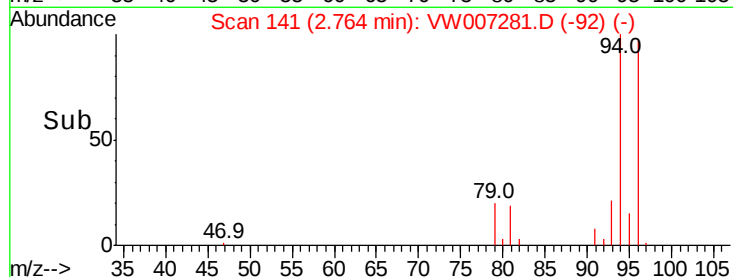
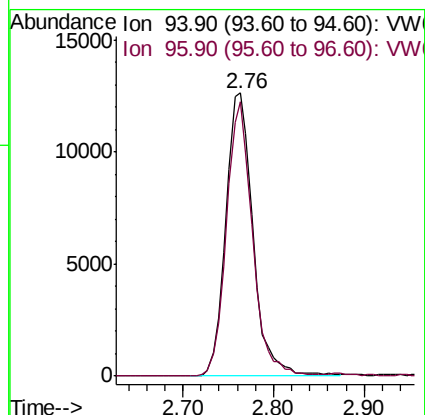
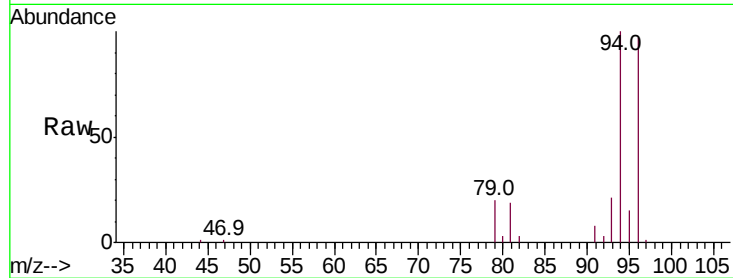
BFB

Tot Ion: 94 Resp: 26421

Ion Ratio Lower Upper

94 100

96 97.0 72.8 109.2



#6

Chloroethane

Concen: 48.257 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW007281.D

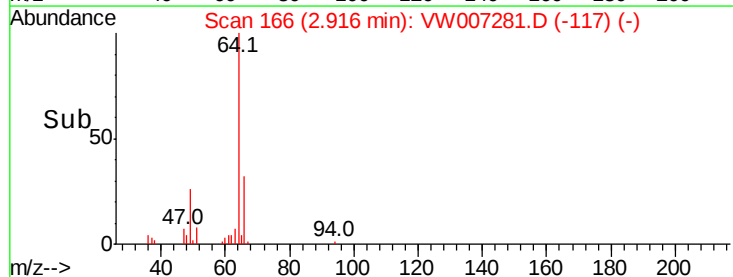
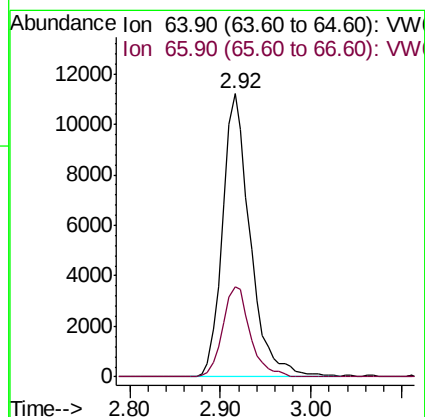
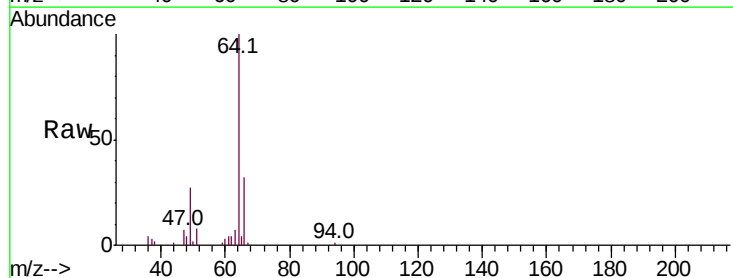
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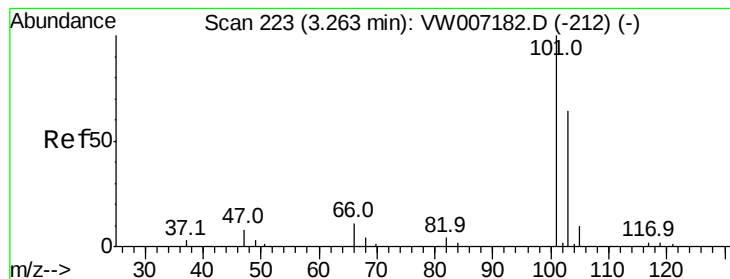
Tgt Ion: 64 Resp: 23804

Ion Ratio Lower Upper

64 100

66 31.8 25.0 37.6



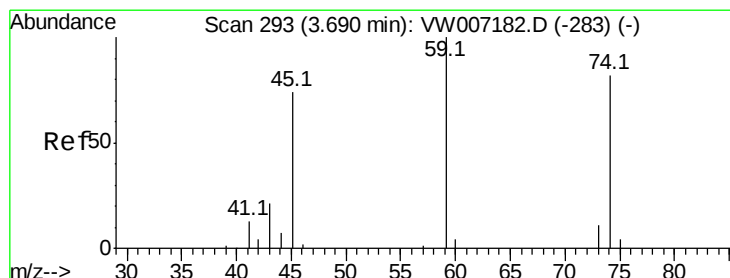
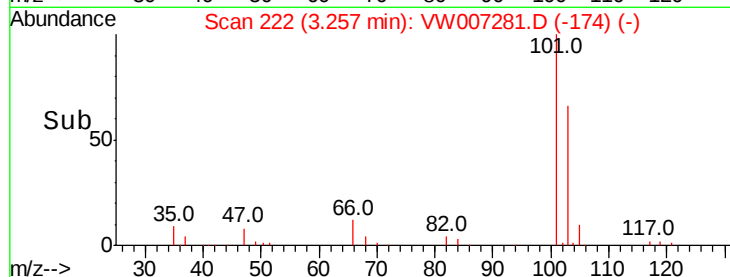
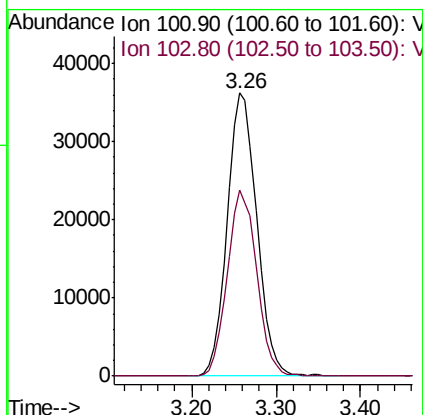
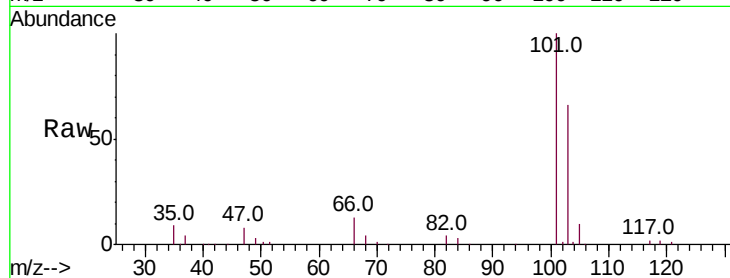


#7

Trichlorofluoromethane
 Concen: 50.425 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW007281.D
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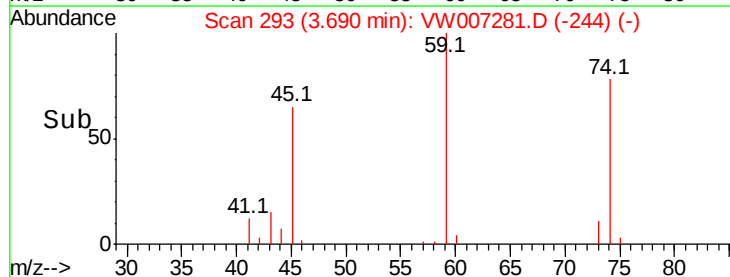
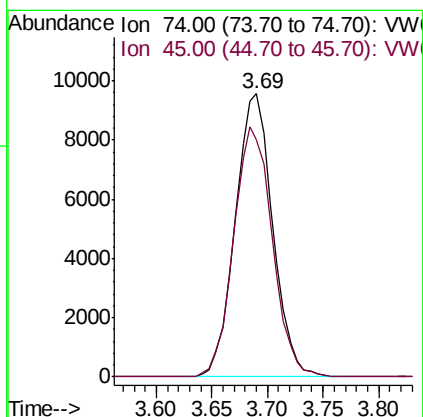
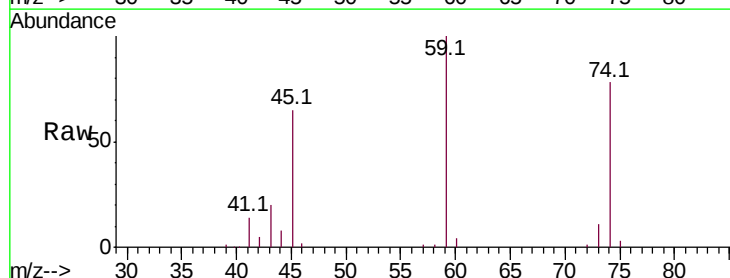
Tot Ion:101 Resp: 86429
 Ion Ratio Lower Upper
 101 100
 103 65.6 50.9 76.3

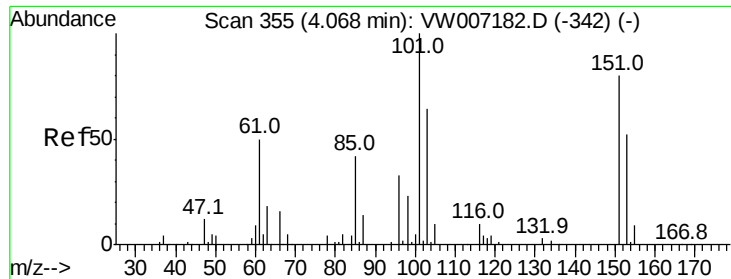


#8

Diethyl Ether
 Concen: 46.570 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VW007281.D
 Acq: 06 Dec 2018 16:12

Tgt Ion: 74 Resp: 22250
 Ion Ratio Lower Upper
 74 100
 45 91.5 47.2 141.6

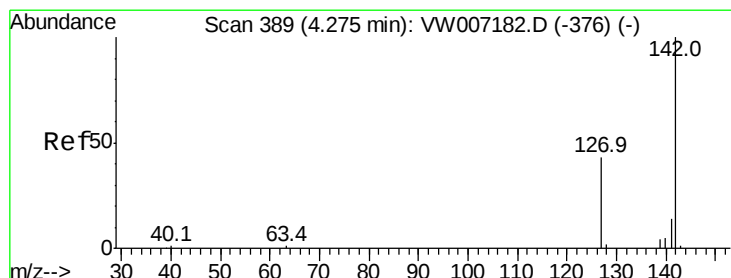
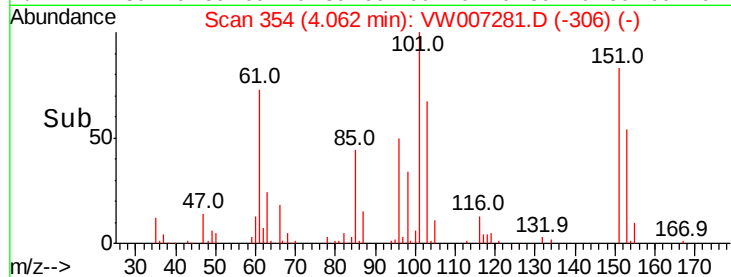
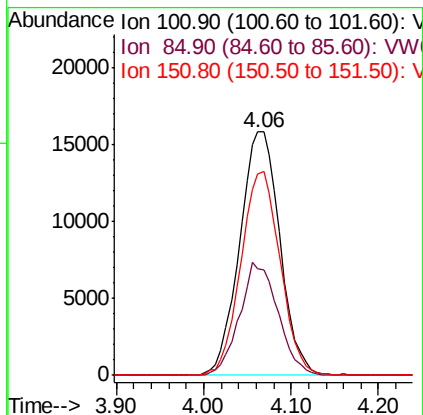
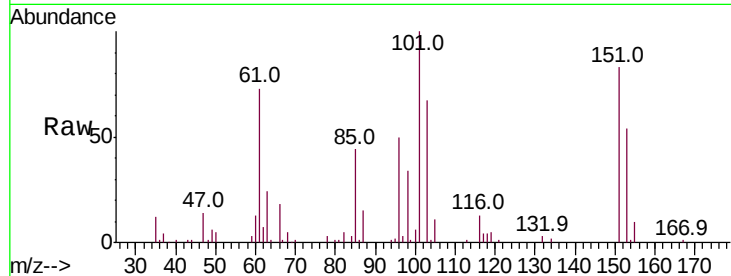




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.005 ug/l
 RT: 4.06 min Scan# 354
 Delta R.T. -0.01 min
 Lab File: VW007281.D
 Acq: 06 Dec 2018 16:12

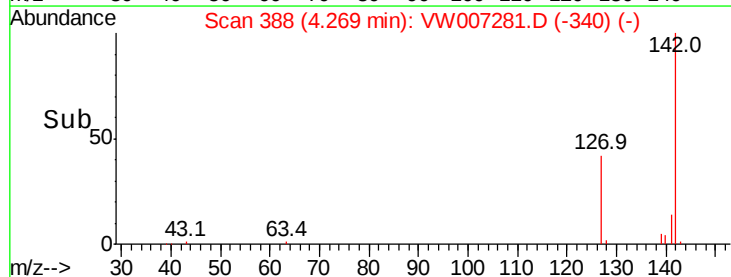
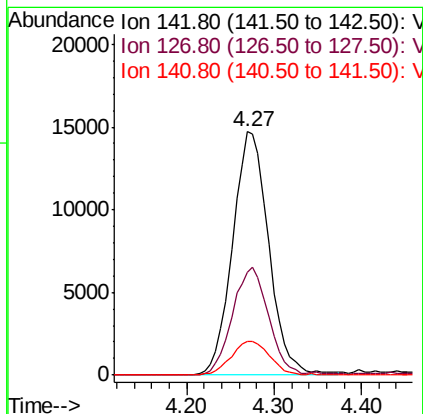
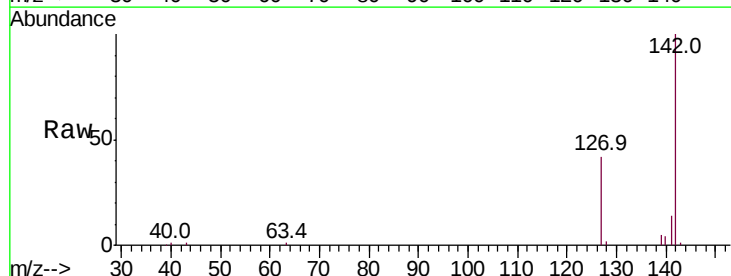
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

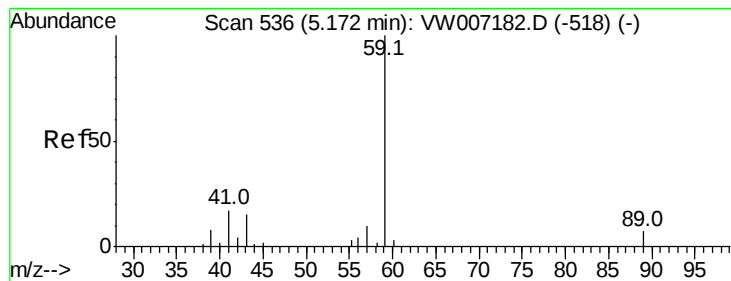
Tot Ion	Ratio	Lower	Upper
101	100		
85	44.1	33.4	50.2
151	81.8	63.9	95.9



#10
 Methyl Iodide
 Concen: 47.938 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. -0.01 min
 Lab File: VW007281.D
 Acq: 06 Dec 2018 16:12

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.2	34.9	52.3
141	14.9	11.7	17.5





#11

Tert butyl alcohol

Concen: 180.688 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampled :

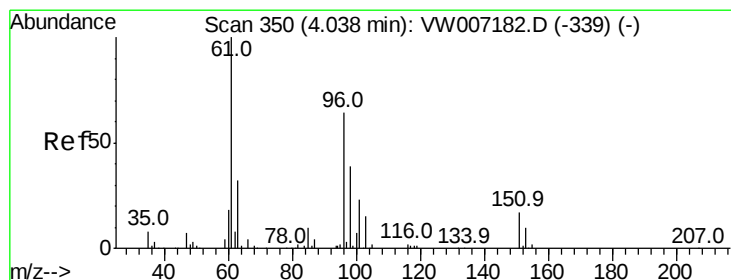
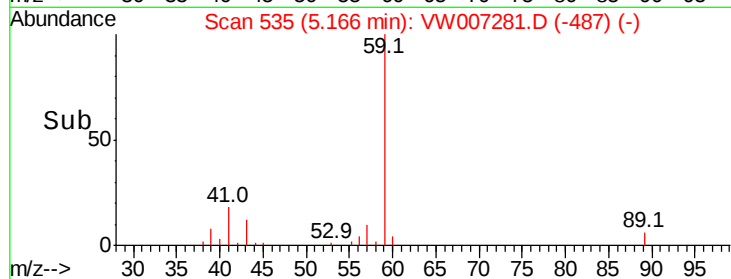
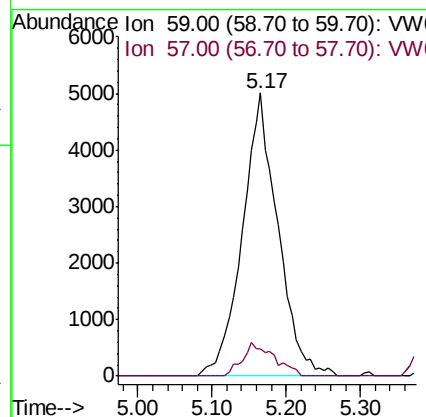
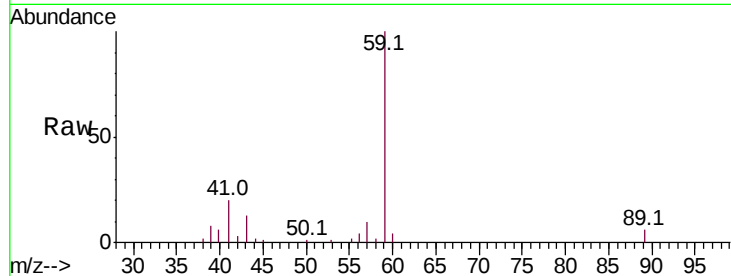
BFB

Tot Ion: 59 Resp: 16746

Ion Ratio Lower Upper

59 100

57 10.6 7.1 10.7



#12

1,1-Dichloroethene

Concen: 48.673 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

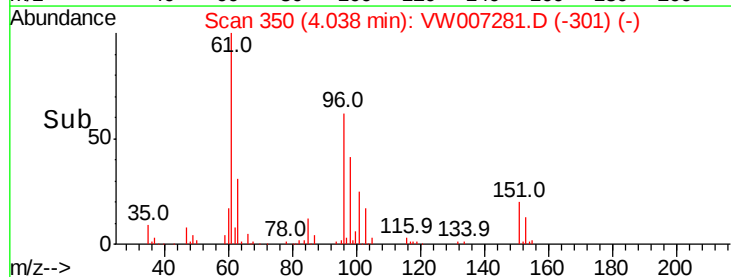
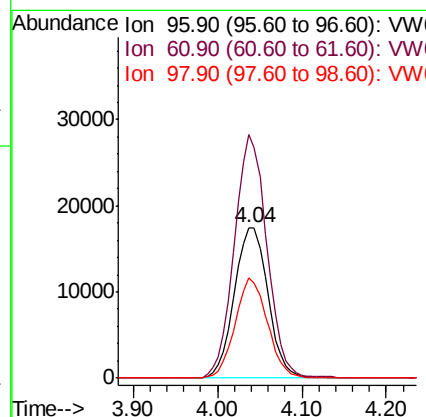
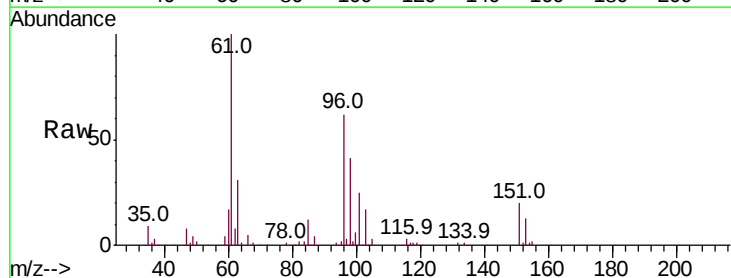
Tgt Ion: 96 Resp: 47229

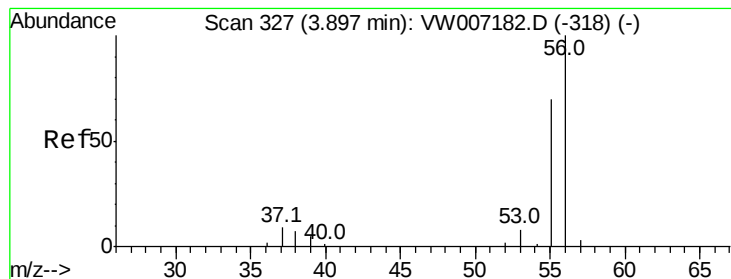
Ion Ratio Lower Upper

96 100

61 161.6 124.1 186.1

98 66.1 48.6 72.8





#13

Acrolein

Concen: 220.514 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampleId :

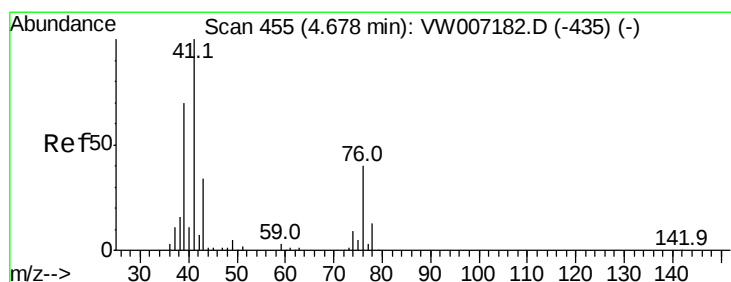
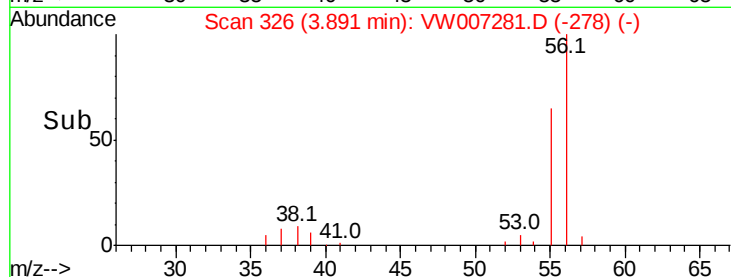
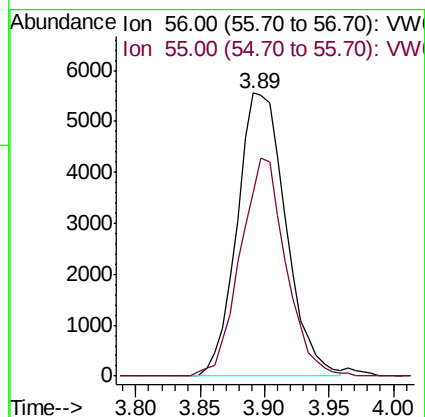
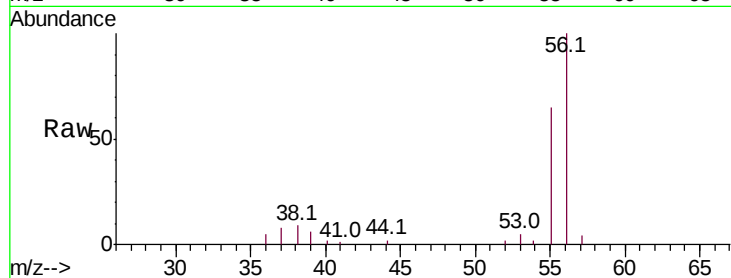
BFB

Tot Ion: 56 Resp: 14579

Ion Ratio Lower Upper

56 100

55 72.0 56.9 85.3



#14

Allyl chloride

Concen: 46.850 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

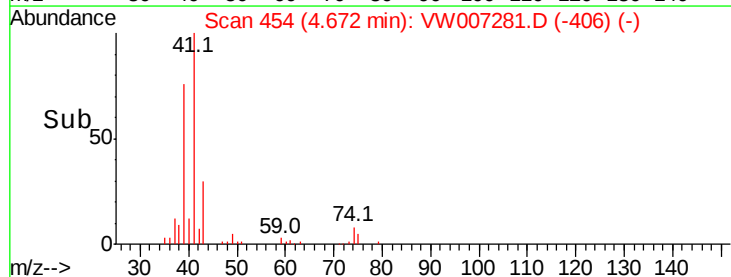
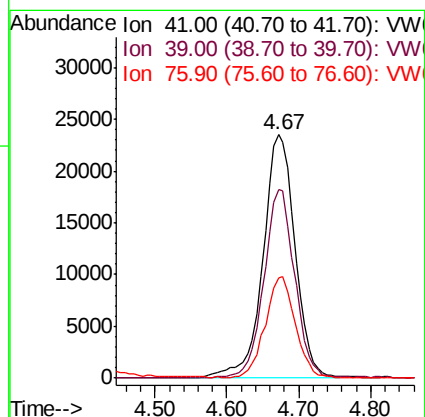
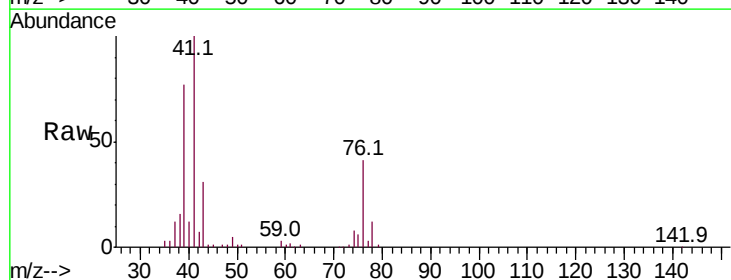
Tgt Ion: 41 Resp: 72868

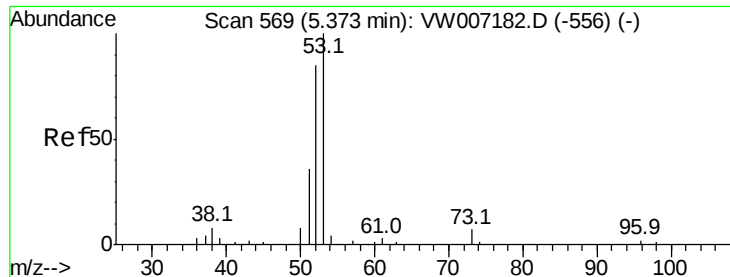
Ion Ratio Lower Upper

41 100

39 74.5 55.9 83.9

76 39.2 30.8 46.2





#15

Acrylonitrile

Concen: 227.175 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampleId :

BFB

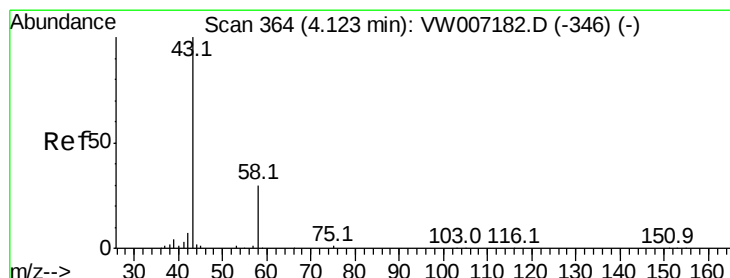
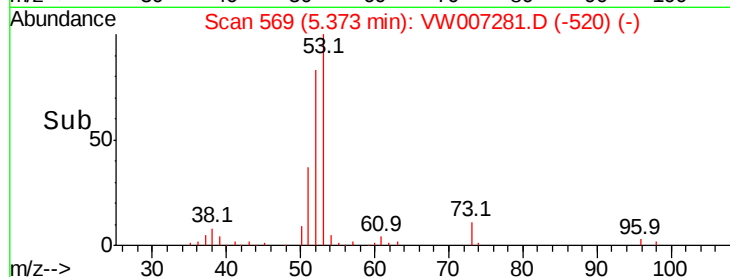
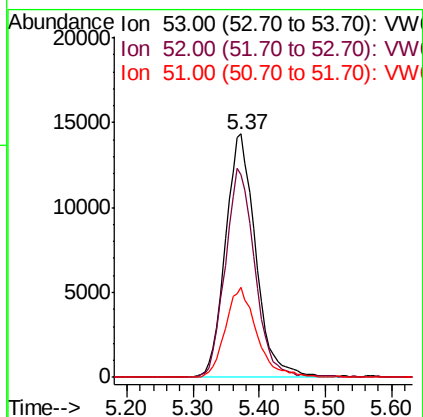
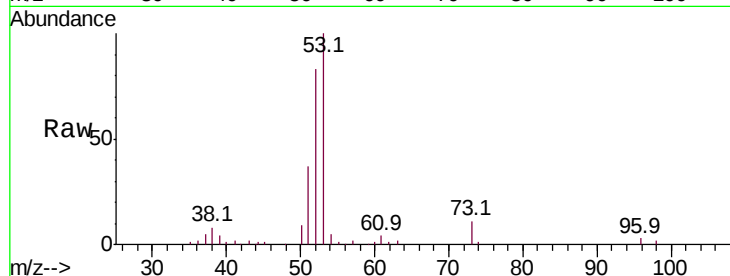
Tot Ion: 53 Resp: 45374

Ion Ratio Lower Upper

53 100

52 84.2 66.1 99.1

51 38.3 30.3 45.5



#16

Acetone

Concen: 230.090 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW007281.D

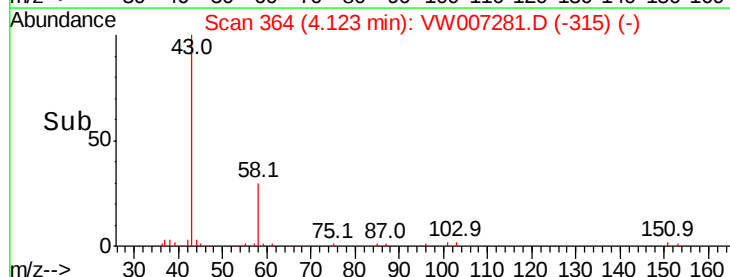
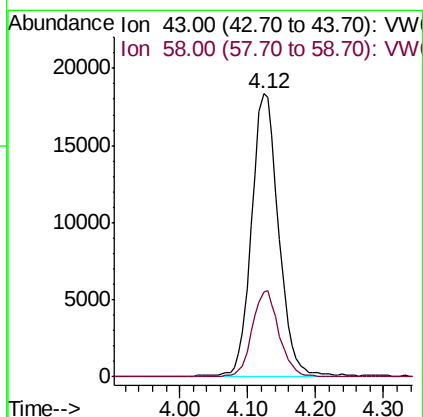
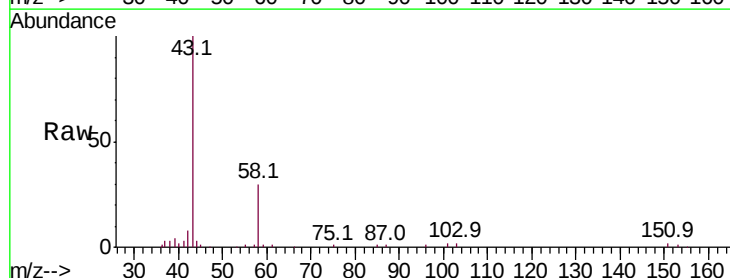
Acq: 06 Dec 2018 16:12

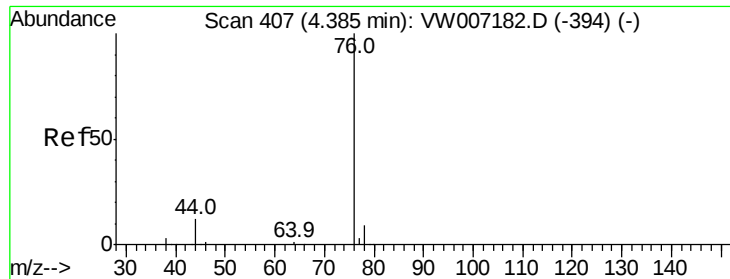
Tgt Ion: 43 Resp: 51395

Ion Ratio Lower Upper

43 100

58 30.2 23.8 35.8

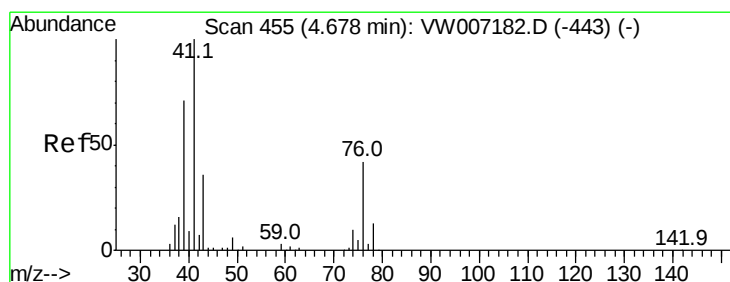
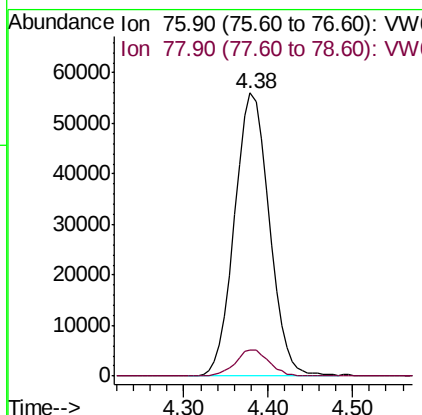
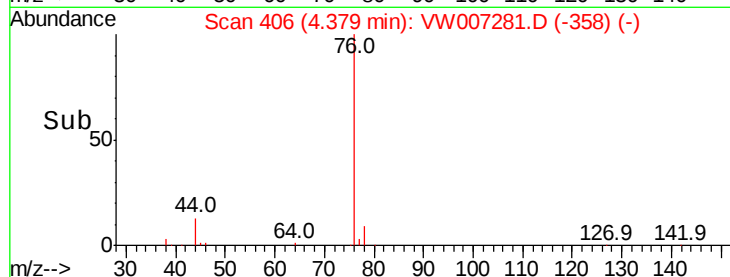
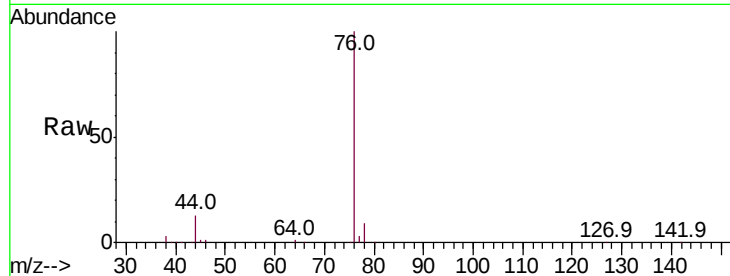




#17
Carbon Disulfide
Concen: 49.033 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

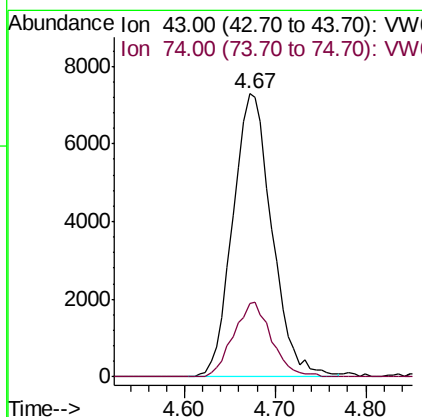
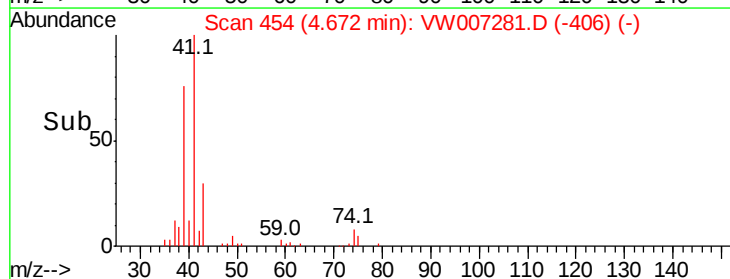
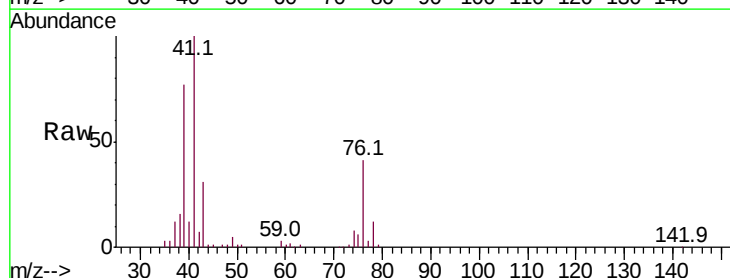
Instrument :
MSVOA_W
ClientSampled :
BFB

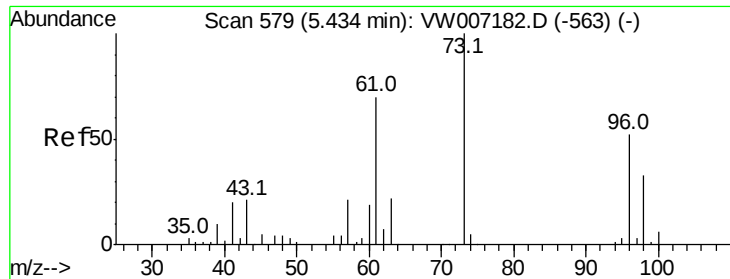
Tot Ion: 76 Resp: 156832
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8



#18
Methyl Acetate
Concen: 42.843 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

Tgt Ion: 43 Resp: 21844
Ion Ratio Lower Upper
43 100
74 25.4 20.1 30.1

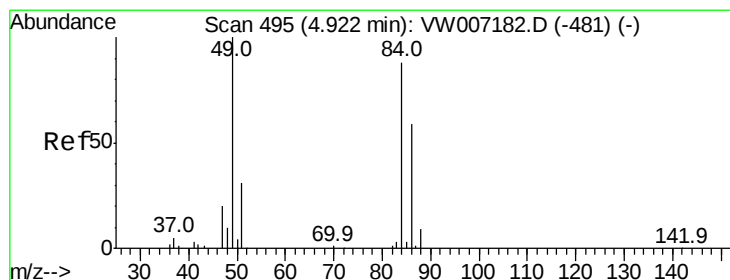
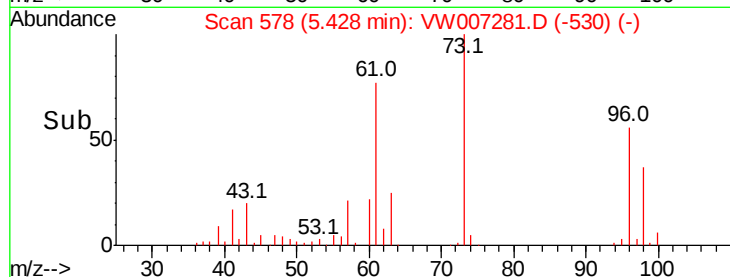
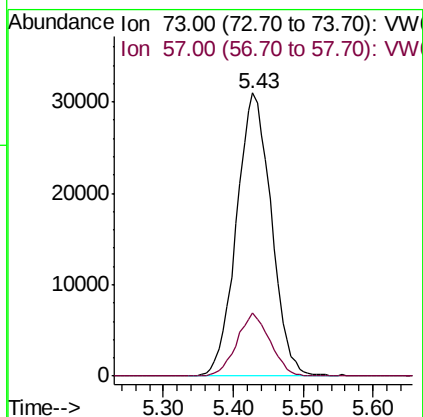
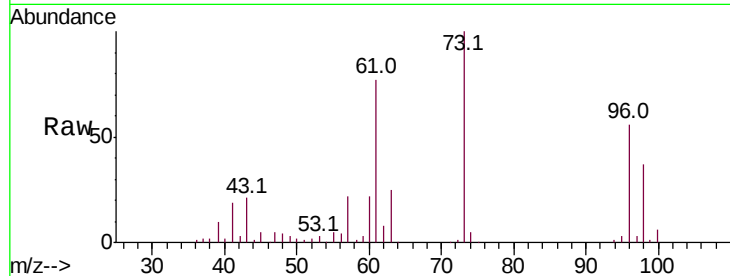




#19
Methyl tert-butyl Ether
Concen: 46.817 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

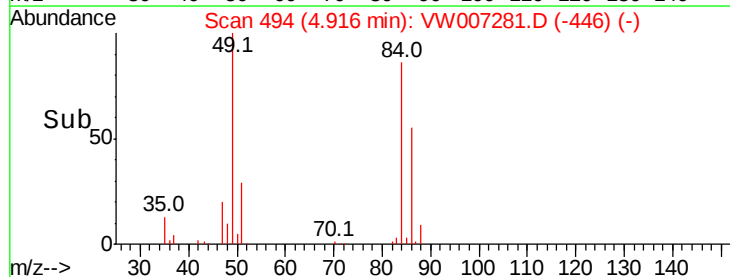
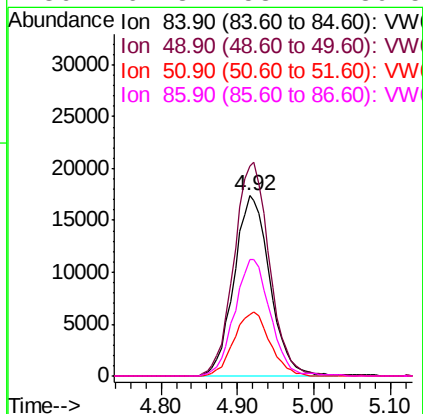
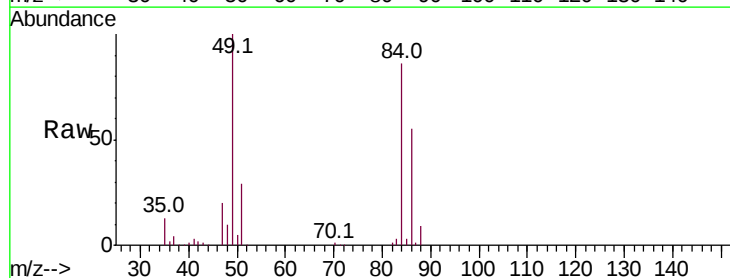
Instrument :
MSVOA_W
ClientSampleId :
BFB

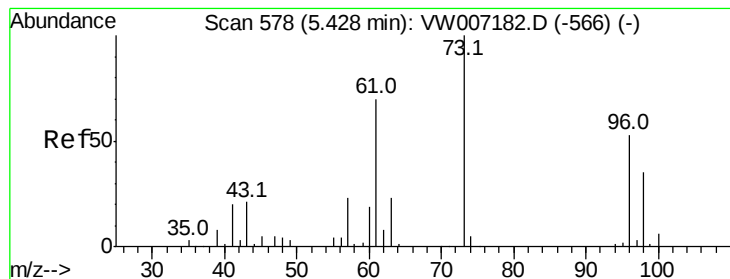
Tot Ion: 73 Resp: 106956
Ion Ratio Lower Upper
73 100
57 22.1 16.6 25.0



#20
Methylene Chloride
Concen: 50.249 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

Tgt Ion: 84 Resp: 56494
Ion Ratio Lower Upper
84 100
49 116.6 90.6 135.8
51 34.1 27.6 41.4
86 64.3 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 48.886 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampled :

BFB

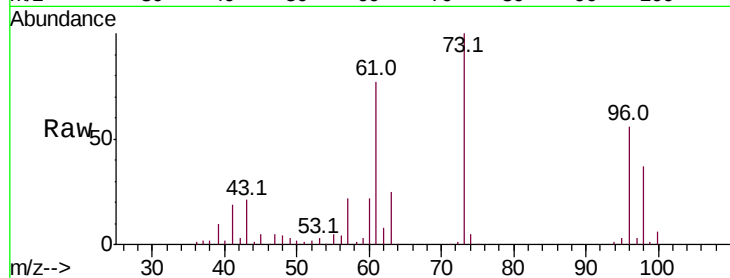
Tot Ion: 96 Resp: 52966

Ion Ratio Lower Upper

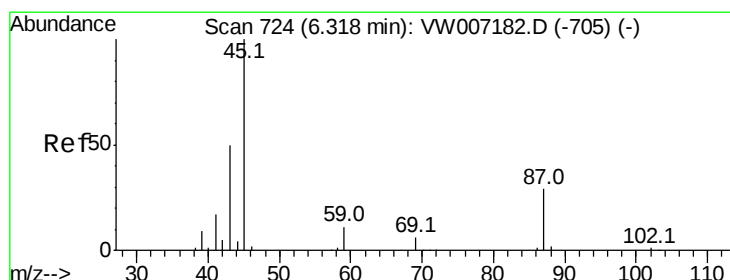
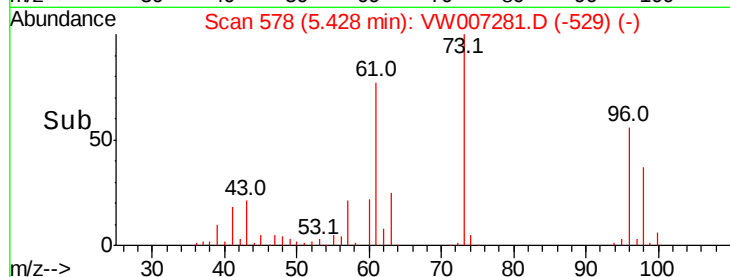
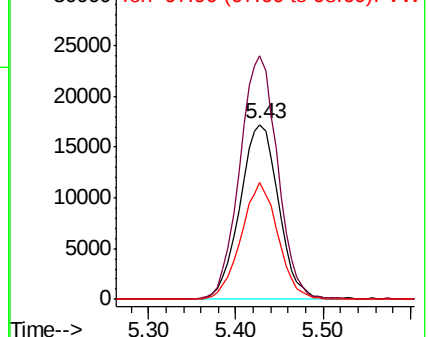
96 100

61 139.4 105.5 158.3

98 66.7 52.6 79.0



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



#22

Diisopropyl ether

Concen: 49.003 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Tgt Ion: 45 Resp: 136820

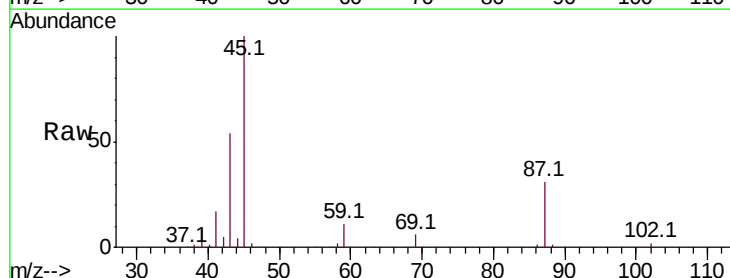
Ion Ratio Lower Upper

45 100

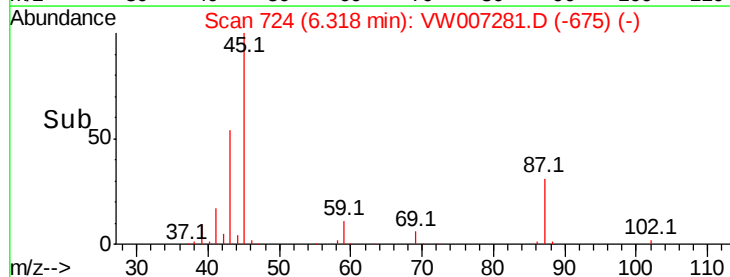
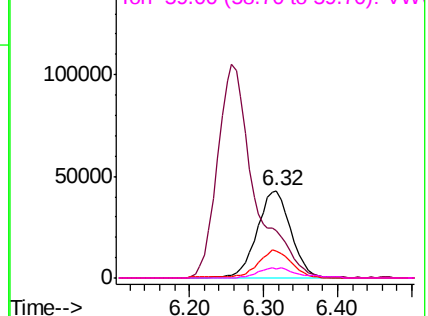
43 53.5 40.8 61.2

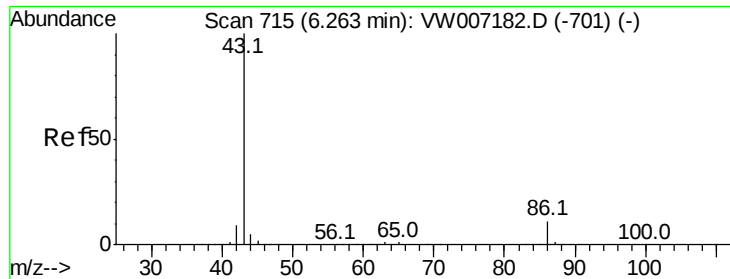
87 30.9 24.0 36.0

59 10.6 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 237.661 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampled :

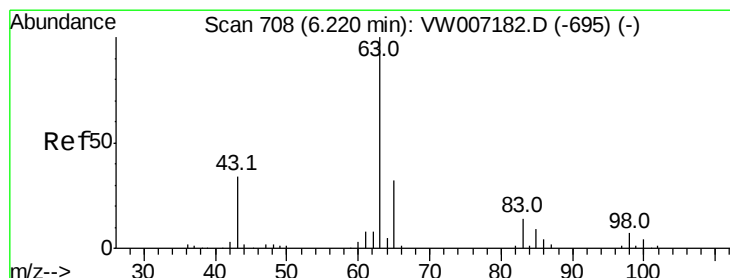
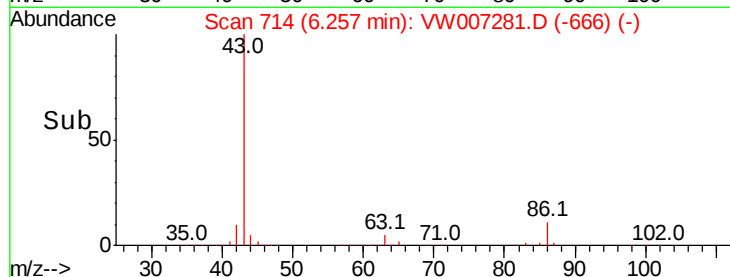
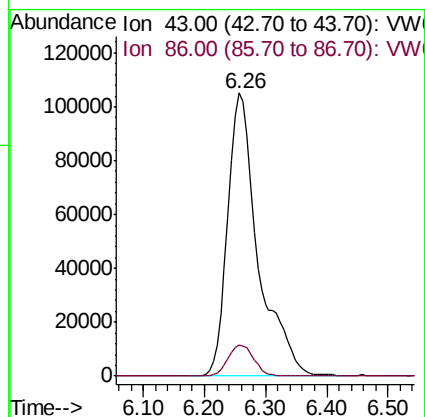
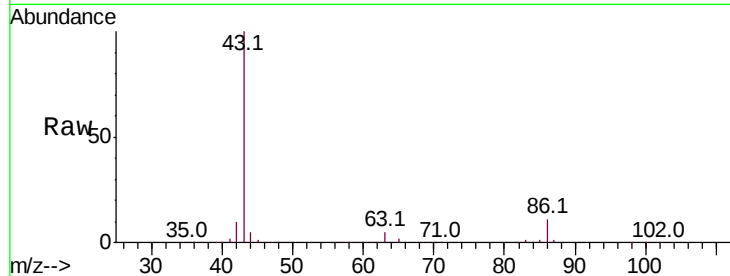
BFB

Tot Ion: 43 Resp: 362077

Ion Ratio Lower Upper

43 100

86 11.2 9.0 13.6



#24

1,1-Dichloroethane

Concen: 48.883 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

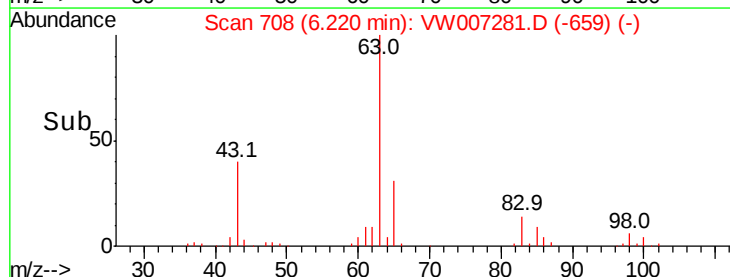
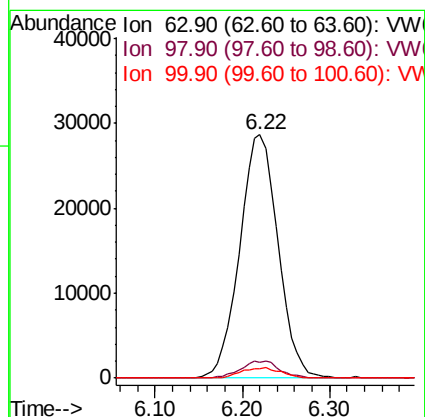
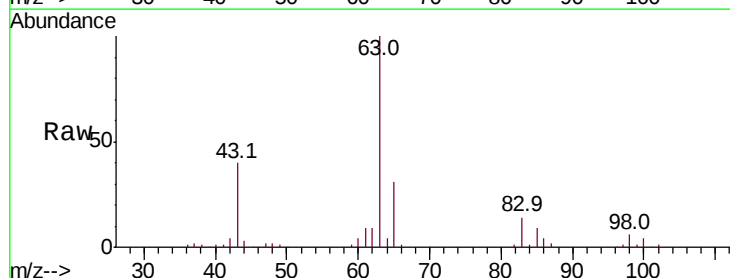
Tgt Ion: 63 Resp: 87479

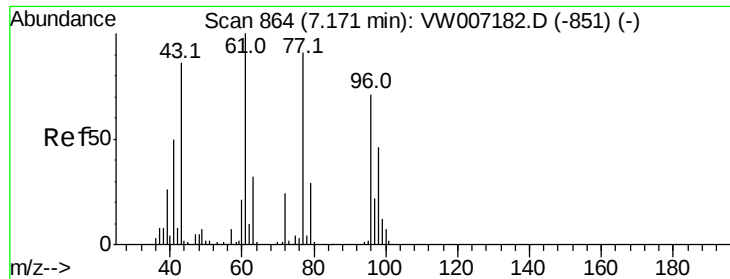
Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

100 4.0 2.1 6.2





#25

2-Butanone

Concen: 222.241 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampled :

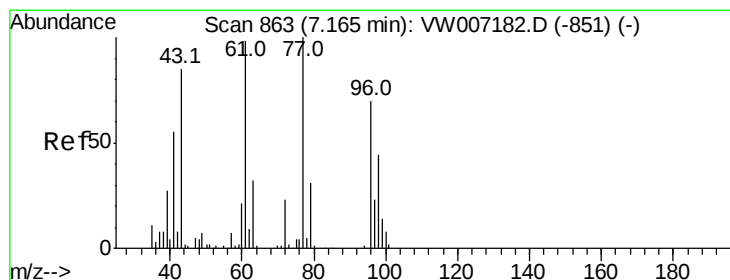
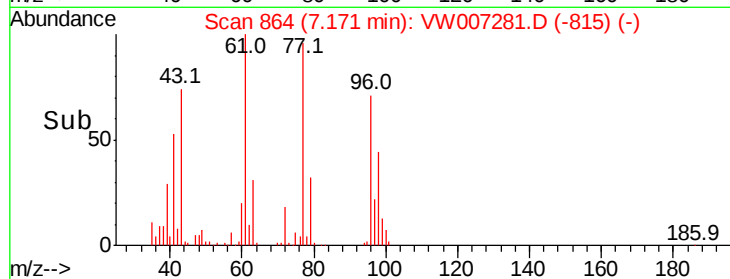
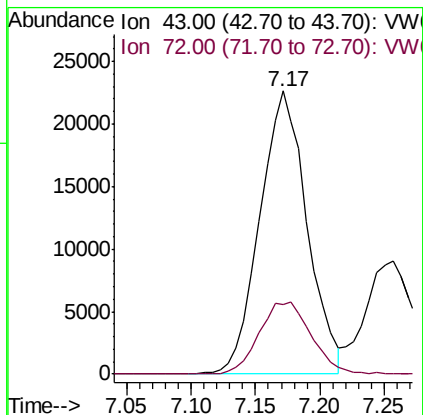
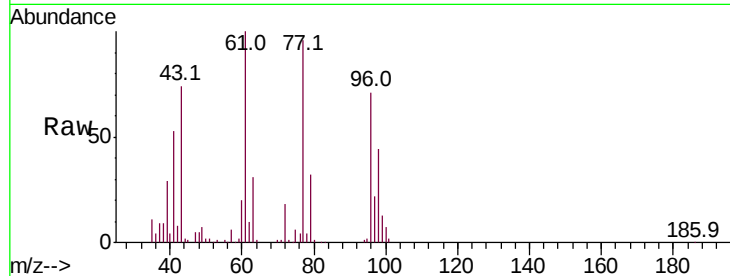
BFB

Tot Ion: 43 Resp: 57545

Ion Ratio Lower Upper

43 100

72 24.6 22.8 34.2



#26

2,2-Dichloropropane

Concen: 50.479 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW007281.D

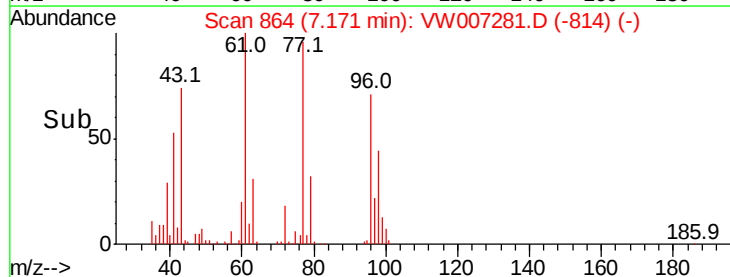
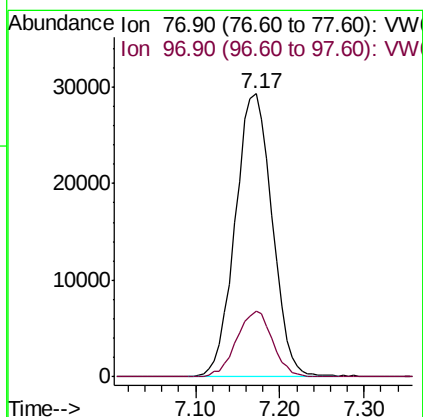
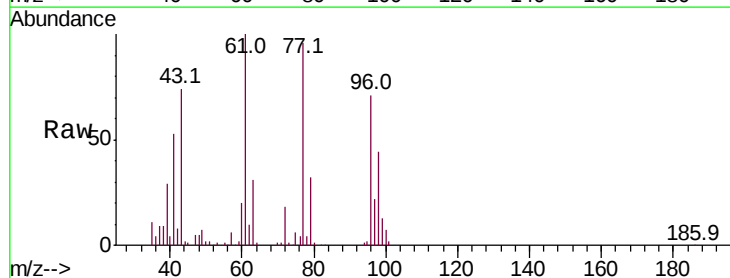
Acq: 06 Dec 2018 16:12

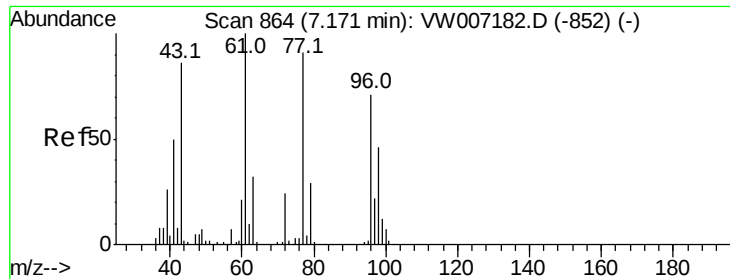
Tgt Ion: 77 Resp: 86810

Ion Ratio Lower Upper

77 100

97 22.5 11.5 34.4



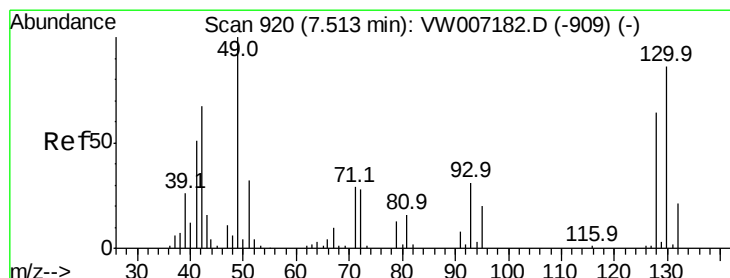
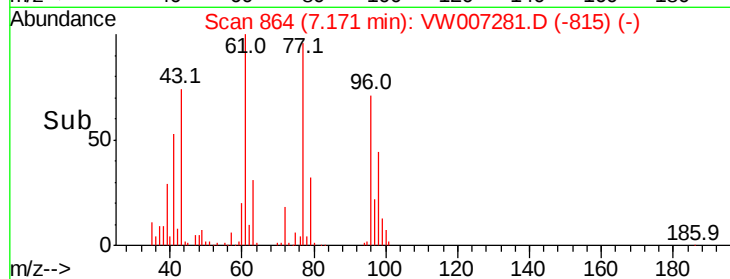
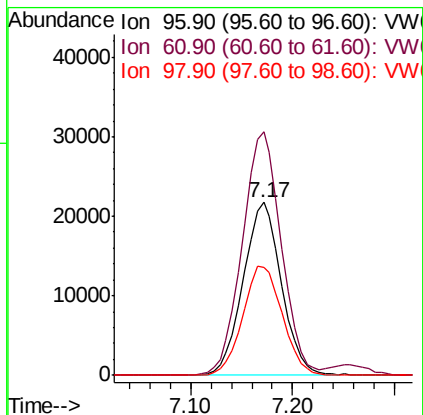
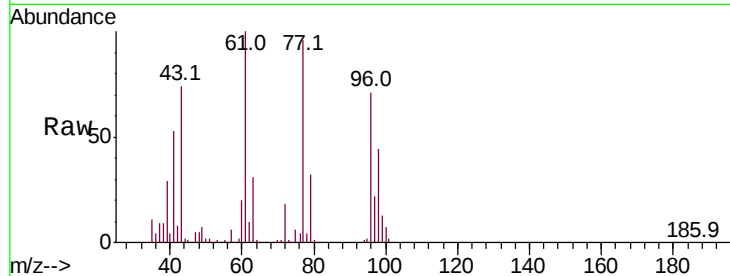


#27

cis-1,2-Dichloroethene
Concen: 48.803 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

Instrument :
MSVOA_W
ClientSampled :
BFB

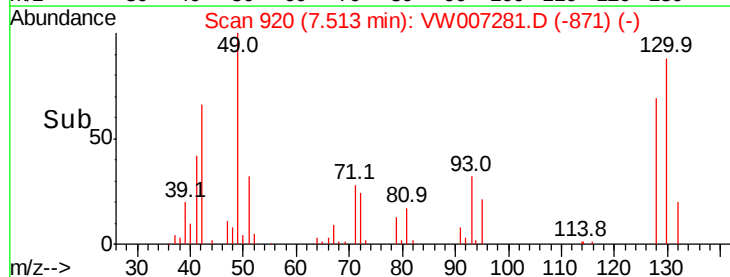
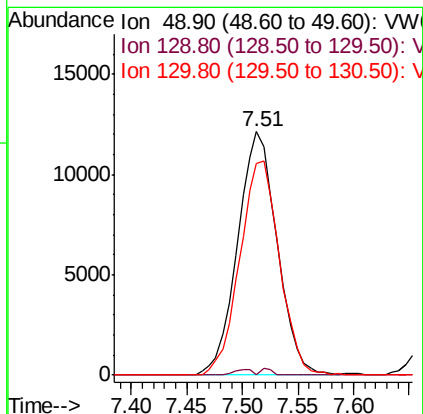
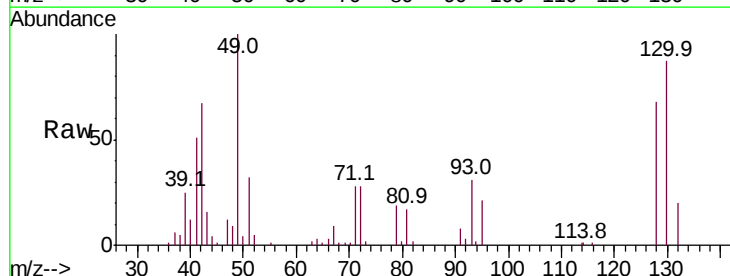
Tot Ion: 96 Resp: 56683
Ion Ratio Lower Upper
96 100
61 143.6 0.0 282.4
98 65.3 0.0 129.8

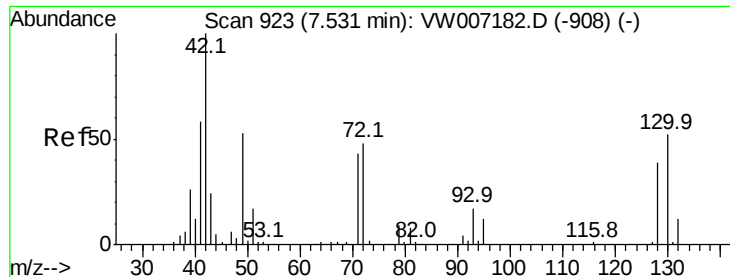


#28

Bromochloromethane
Concen: 46.434 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

Tgt Ion: 49 Resp: 29963
Ion Ratio Lower Upper
49 100
129 0.8 0.0 3.8
130 88.0 70.3 105.5





#29

Tetrahydrofuran

Concen: 212.633 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampleId :

BFB

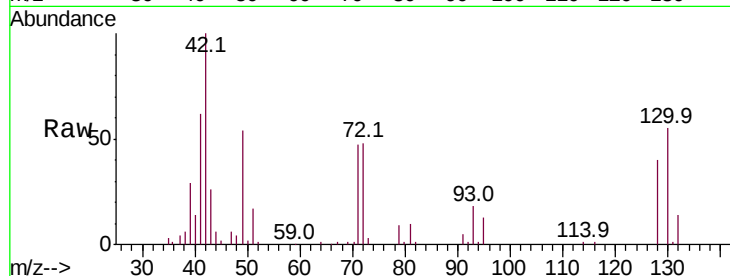
Tot Ion: 42 Resp: 34023

Ion Ratio Lower Upper

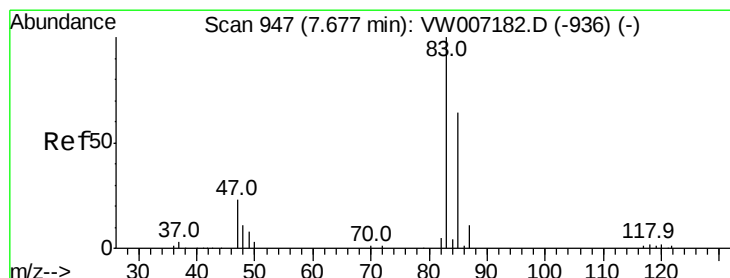
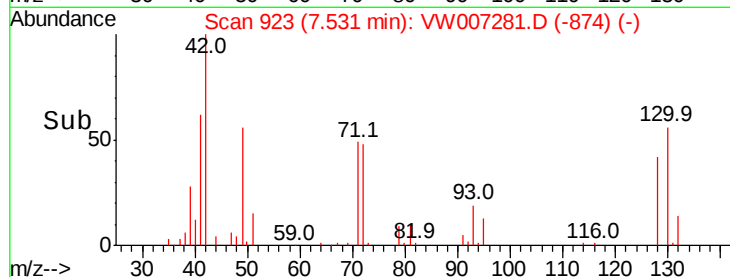
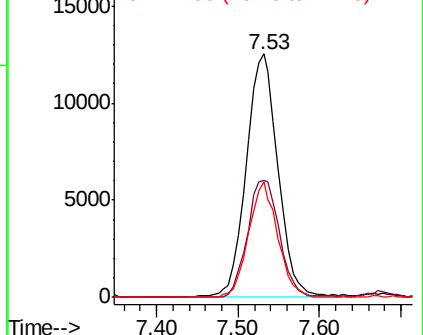
42 100

72 48.6 36.6 55.0

71 43.4 34.8 52.2



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



#30

Chloroform

Concen: 49.238 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW007281.D

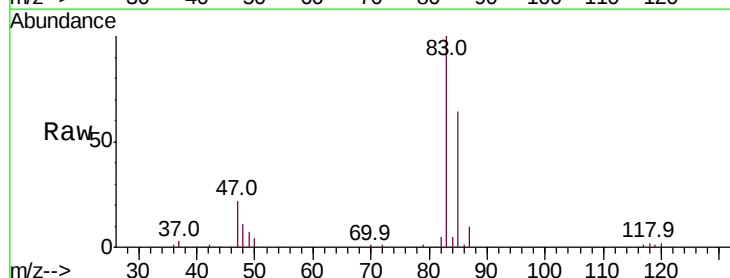
Acq: 06 Dec 2018 16:12

Tgt Ion: 83 Resp: 91576

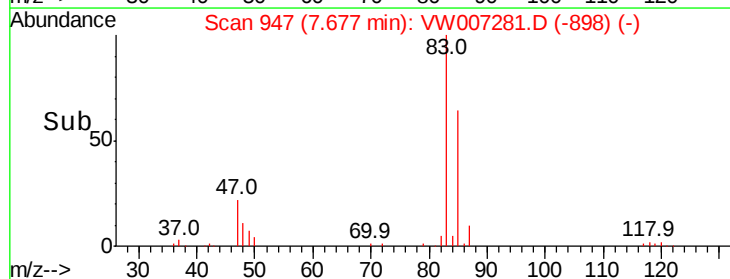
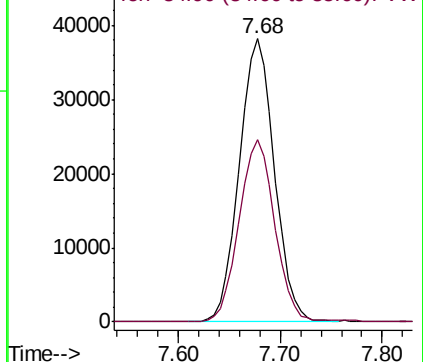
Ion Ratio Lower Upper

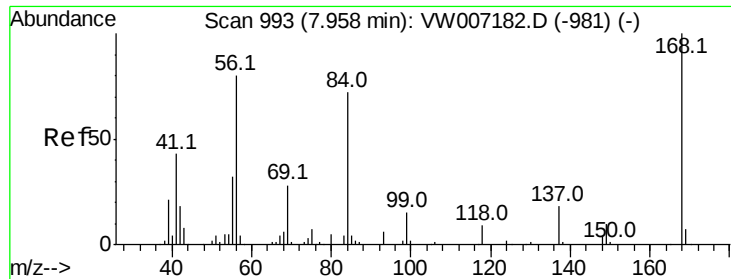
83 100

85 64.4 51.5 77.3



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

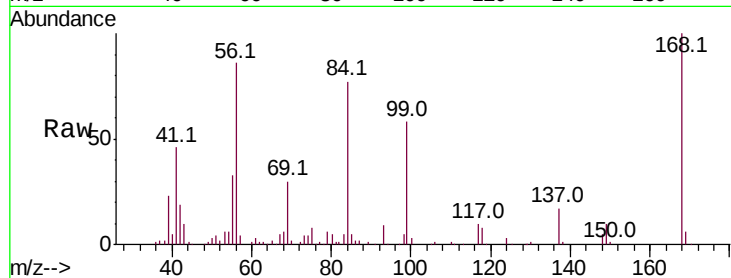




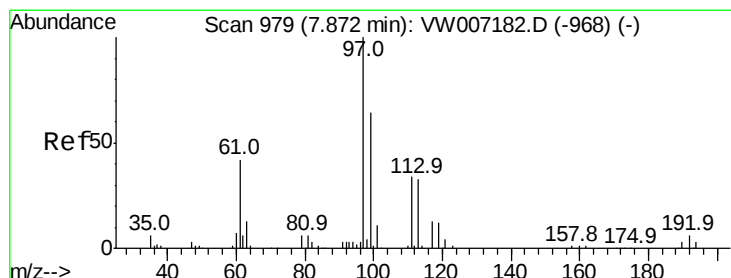
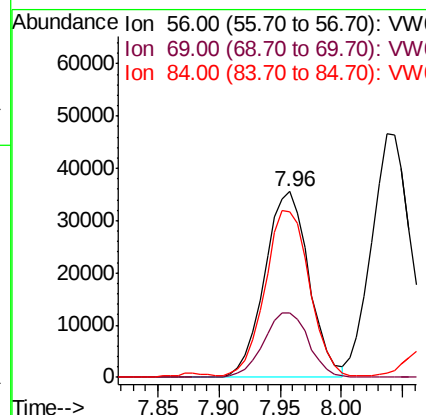
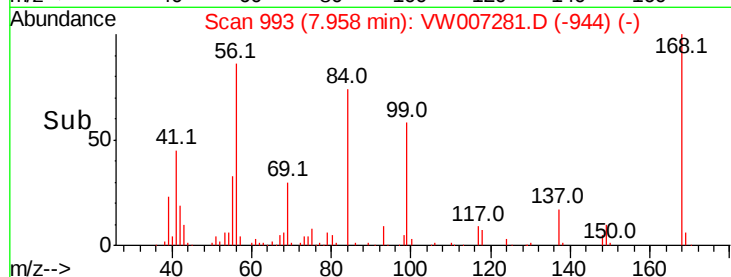
#31
Cyclohexane
Concen: 47.797 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

Instrument :
MSVOA_W
ClientSampled :
BFB

Tot Ion: 56 Resp: 89496
Ion Ratio Lower Upper
56 100
69 34.5 28.2 42.2
84 87.5 72.1 108.1

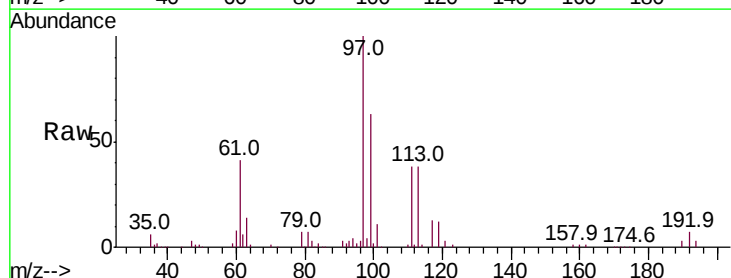


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

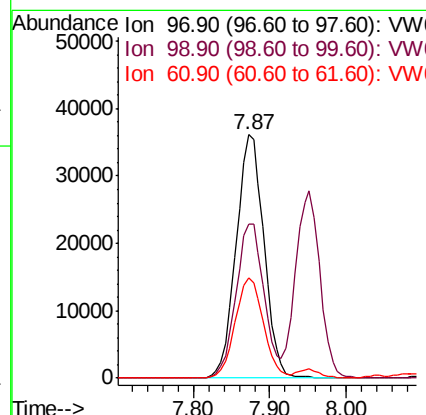
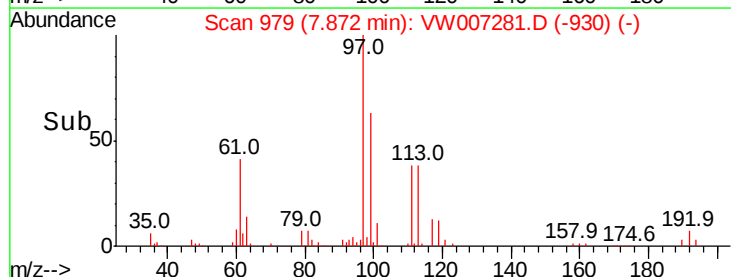


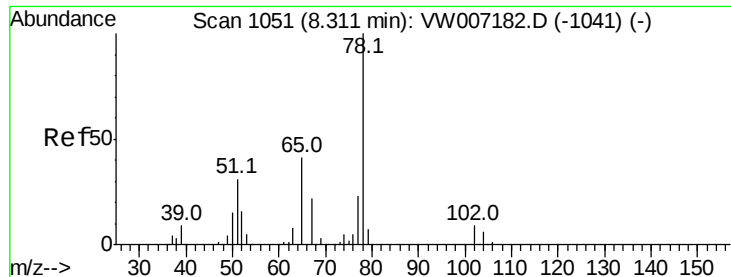
#32
1,1,1-Trichloroethane
Concen: 51.939 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

Tgt Ion: 97 Resp: 90907
Ion Ratio Lower Upper
97 100
99 64.5 51.3 76.9
61 41.7 33.2 49.8



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

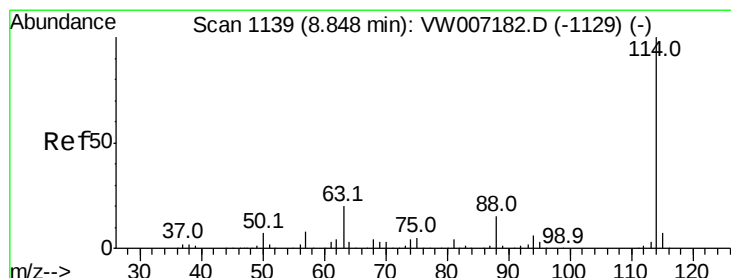
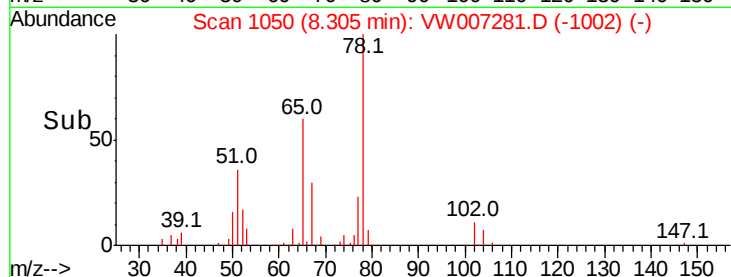
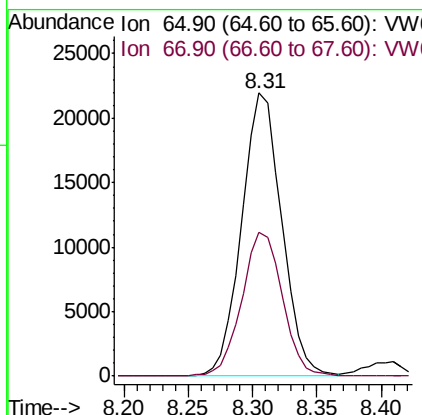
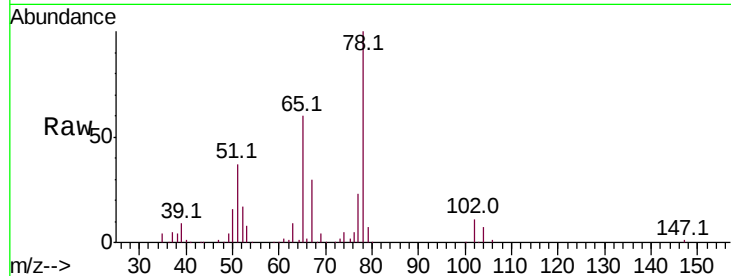




#33
 1,2-Dichloroethane-d4
 Concen: 50.094 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW007281.D
 Acq: 06 Dec 2018 16:12

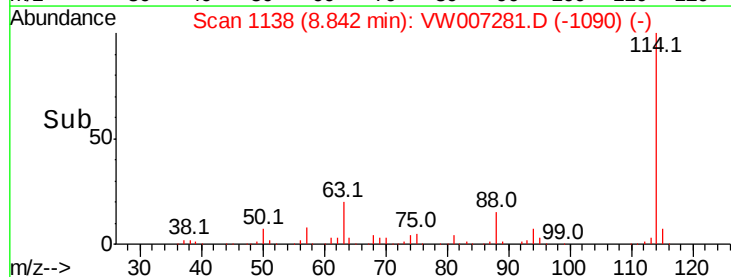
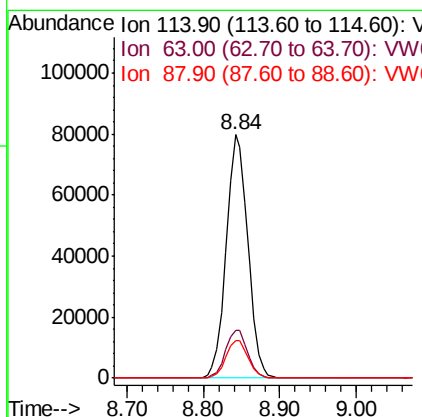
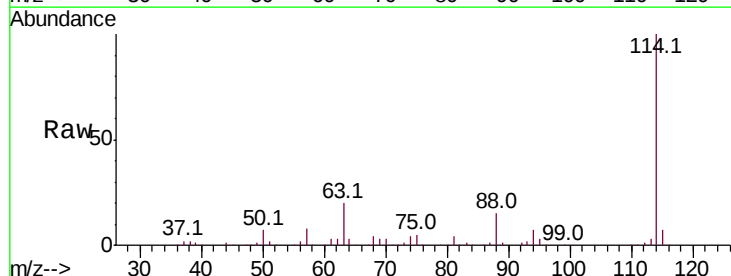
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

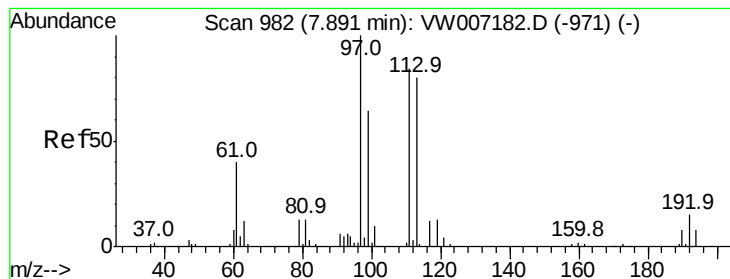
Tot Ion: 65 Resp: 47266
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW007281.D
 Acq: 06 Dec 2018 16:12

Tgt Ion: 114 Resp: 155573
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.2
 88 15.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 51.598 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampled :

BFB

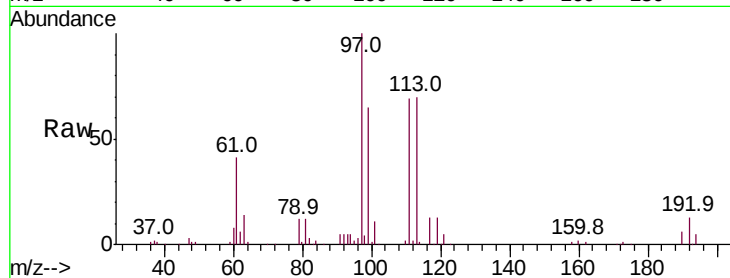
Tot Ion:113 Resp: 45964

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

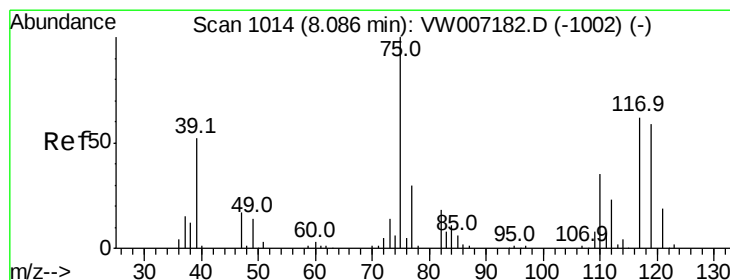
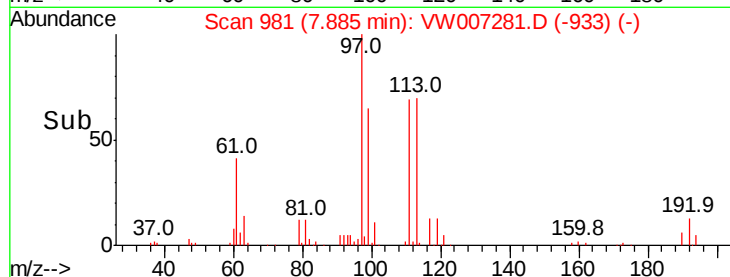
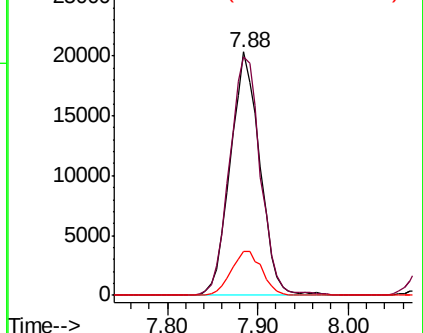
192 18.8 14.4 21.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.571 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

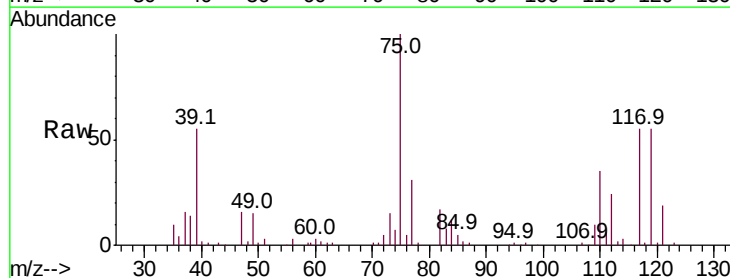
Tgt Ion: 75 Resp: 79579

Ion Ratio Lower Upper

75 100

110 36.8 18.3 54.9

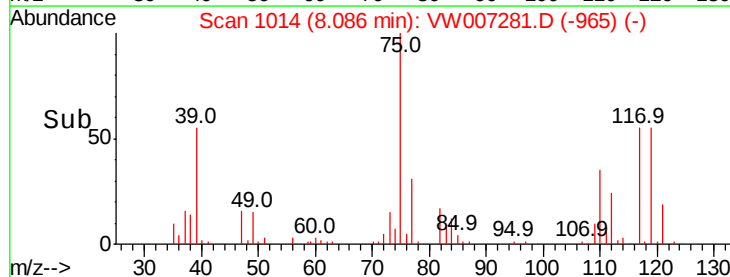
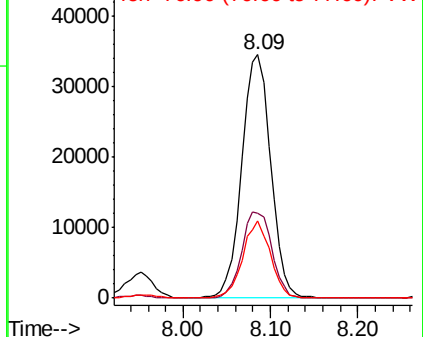
77 30.4 24.9 37.3

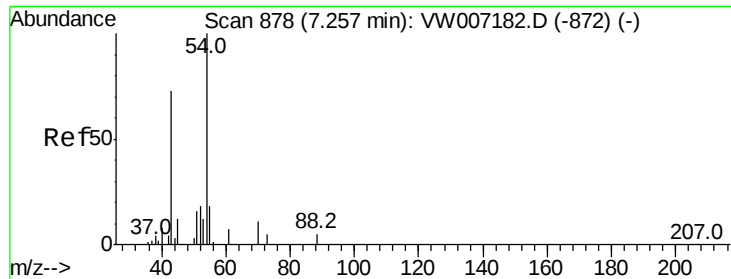


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

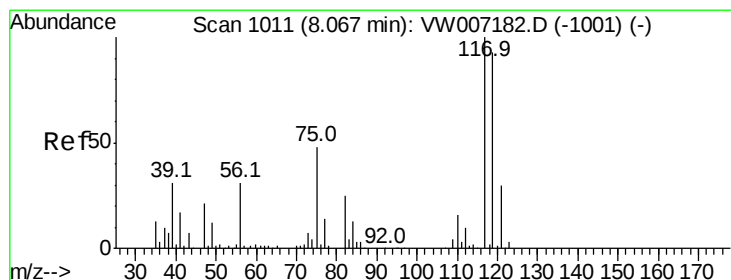
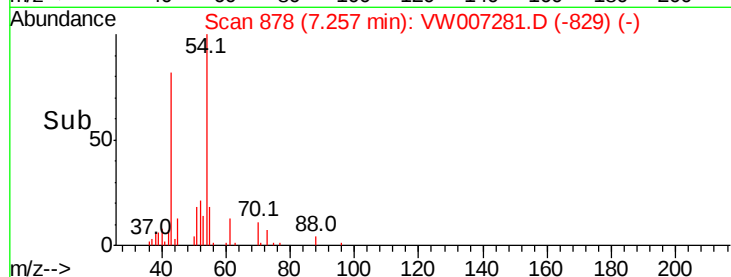
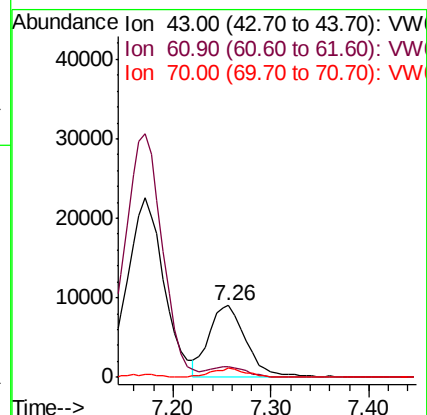
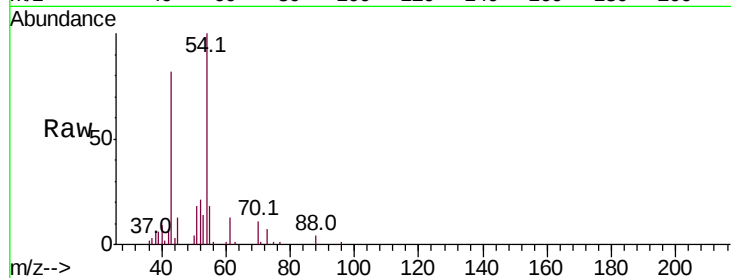




#37
Ethyl Acetate
Concen: 42.925 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

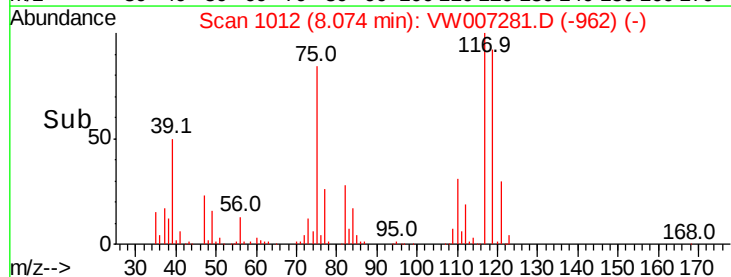
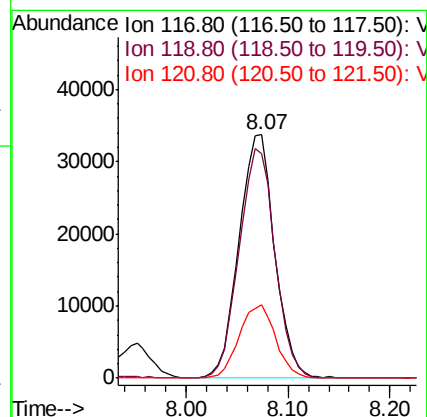
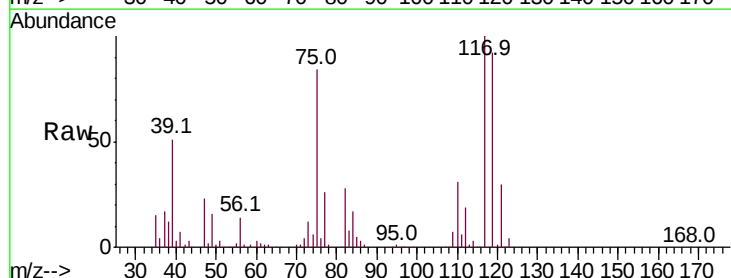
Instrument :
MSVOA_W
ClientSampled :
BFB

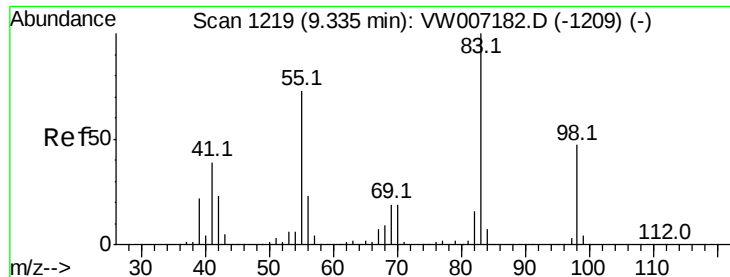
Tot Ion: 43 Resp: 23504
Ion Ratio Lower Upper
43 100
61 16.1 12.1 18.1
70 12.0 9.1 13.7



#38
Carbon Tetrachloride
Concen: 53.108 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

Tgt Ion: 117 Resp: 82054
Ion Ratio Lower Upper
117 100
119 92.1 74.1 111.1
121 30.2 23.9 35.9

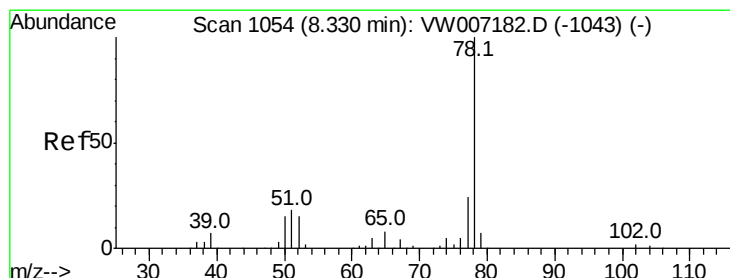
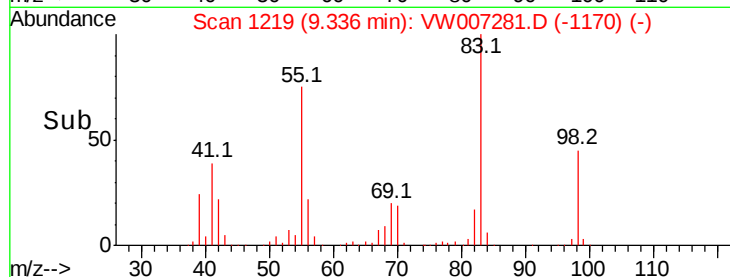
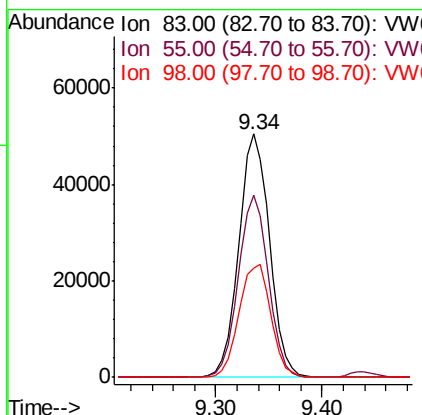
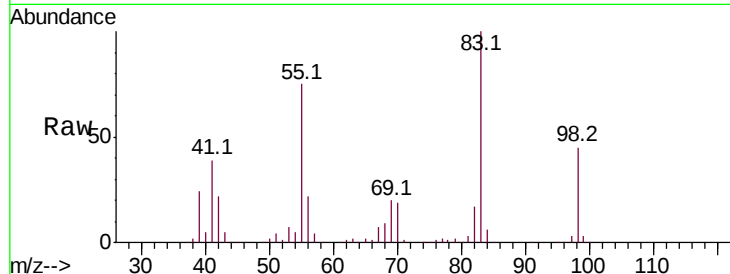




#39
Methvlcvclohexane
Concen: 50.425 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

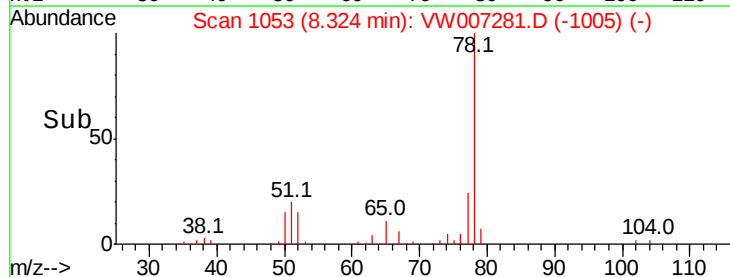
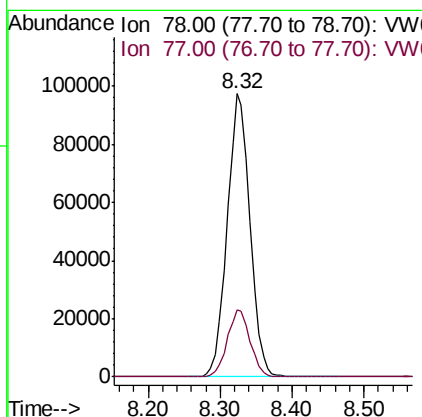
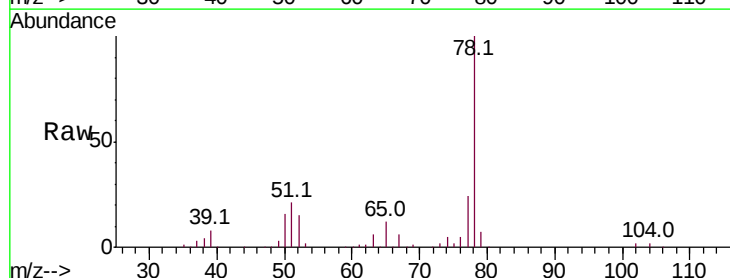
Instrument :
MSVOA_W
ClientSampleId :
BFB

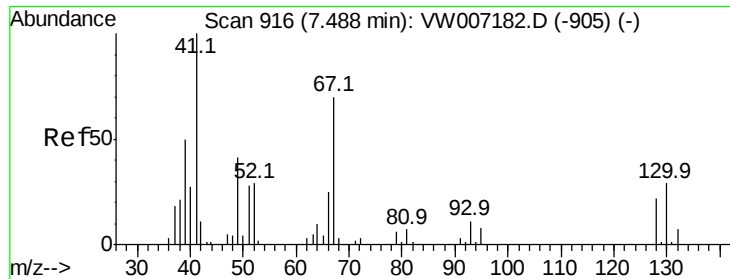
Tot Ion: 83 Resp: 102182
Ion Ratio Lower Upper
83 100
55 74.7 58.1 87.1
98 44.8 37.3 55.9



#40
Benzene
Concen: 51.460 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

Tgt Ion: 78 Resp: 213605
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3

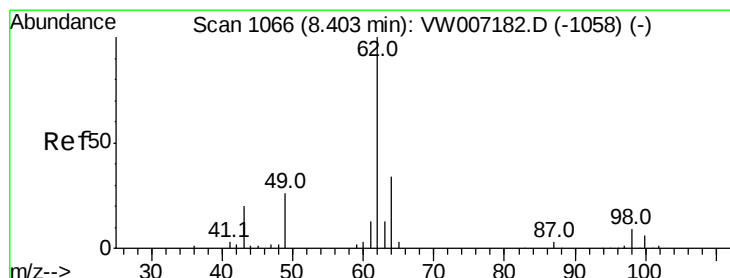
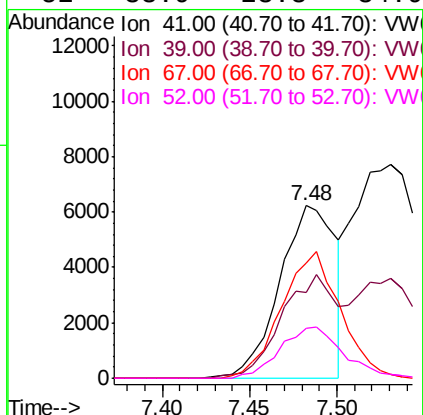
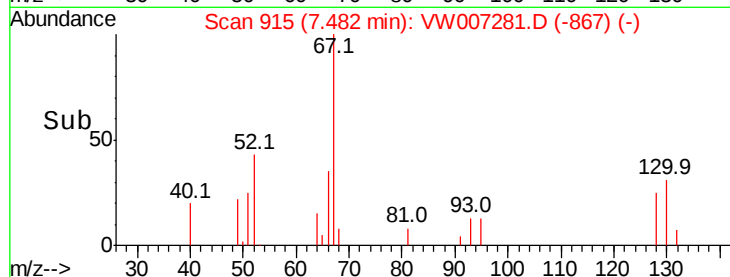
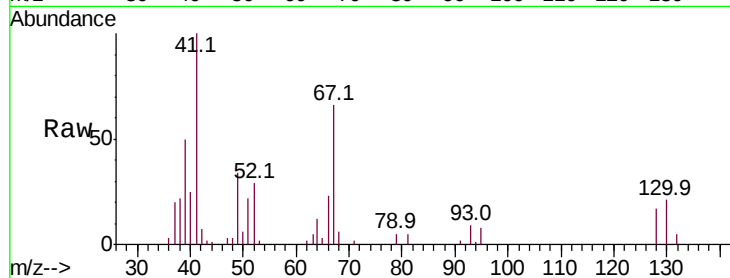




#41
Methacrylonitrile
Concen: 42.445 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

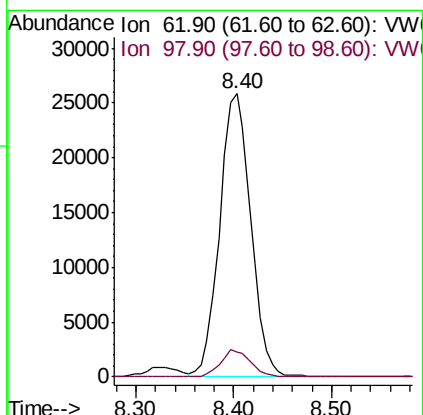
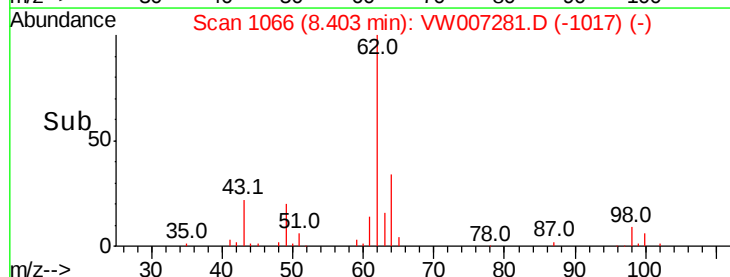
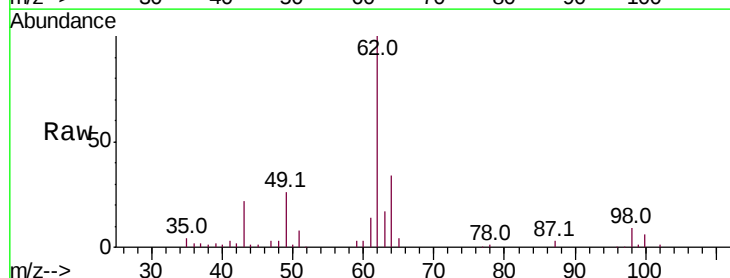
Instrument :
MSVOA_W
ClientSampleId :
BFB

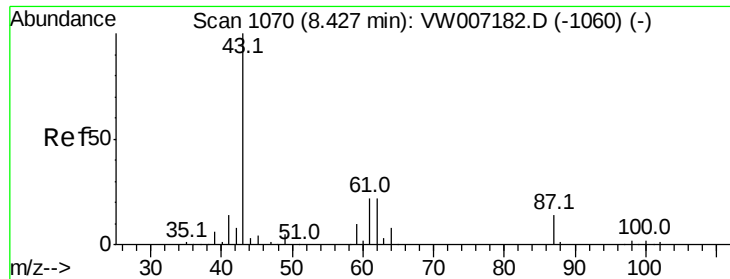
Tot Ion:	41	Resp:	13921
Ion	Ratio	Lower	Upper
41	100		
39	57.2	43.4	65.0
67	77.1	57.4	86.0
52	33.9	23.3	34.9



#42
1,2-Dichloroethane
Concen: 49.155 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

Tgt Ion:	62	Resp:	57024
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.8





#43

Isopropyl Acetate

Concen: 46.506 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampled :

BFB

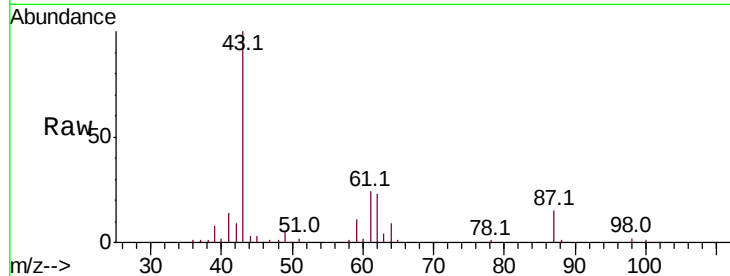
Tot Ion: 43 Resp: 49458

Ion Ratio Lower Upper

43 100

61 32.7 25.4 38.0

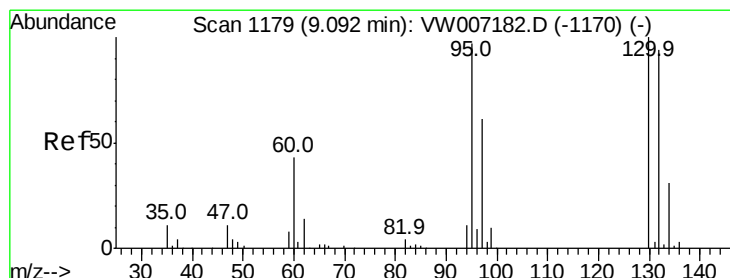
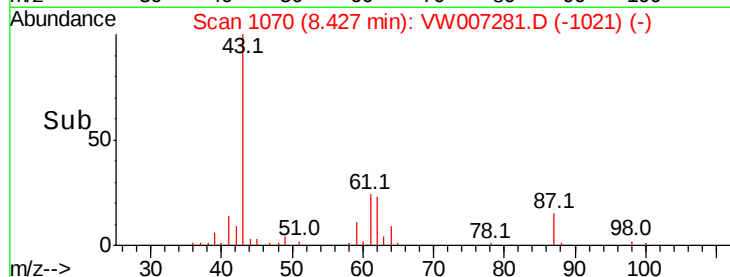
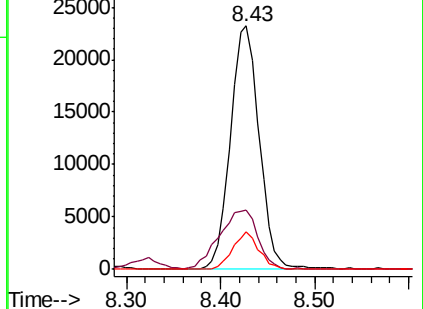
87 13.9 11.4 17.0



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



#44

Trichloroethene

Concen: 52.484 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007281.D

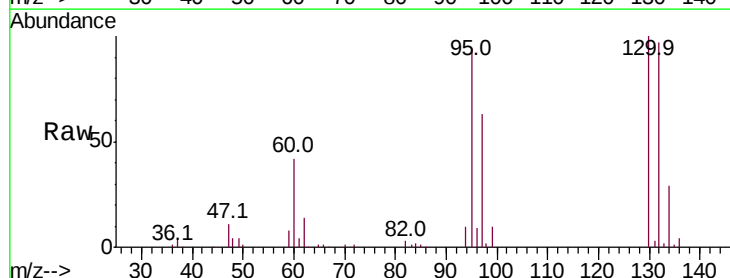
Acq: 06 Dec 2018 16:12

Tgt Ion:130 Resp: 61238

Ion Ratio Lower Upper

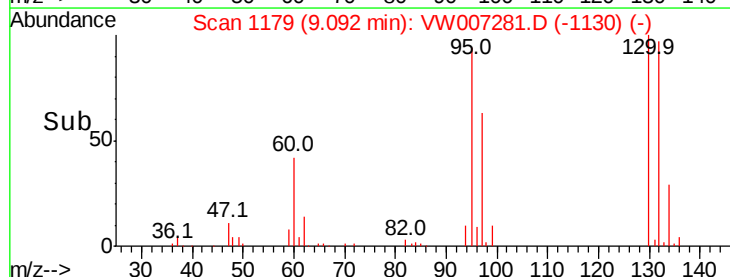
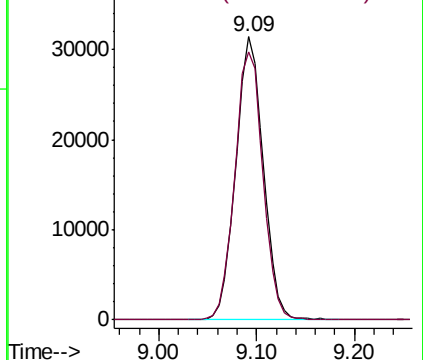
130 100

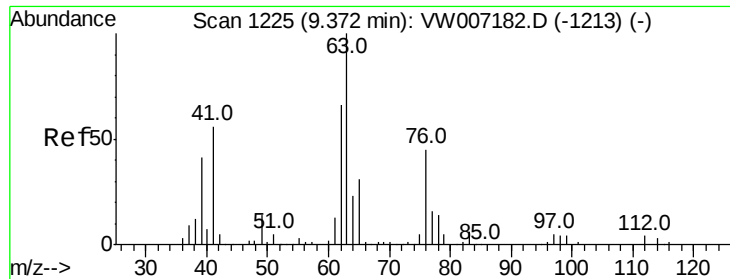
95 94.5 0.0 194.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 50.534 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampled :

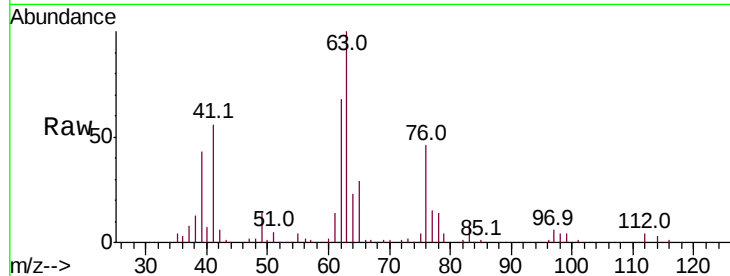
BFB

Tot Ion: 63 Resp: 48813

Ion Ratio Lower Upper

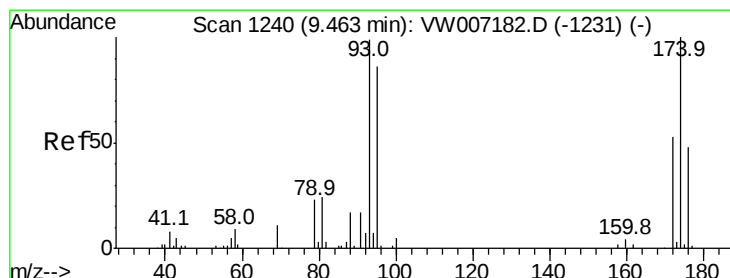
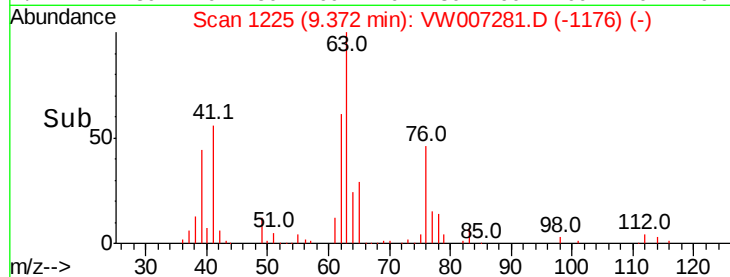
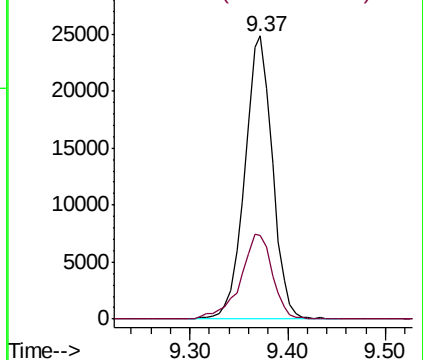
63 100

65 29.4 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 49.080 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

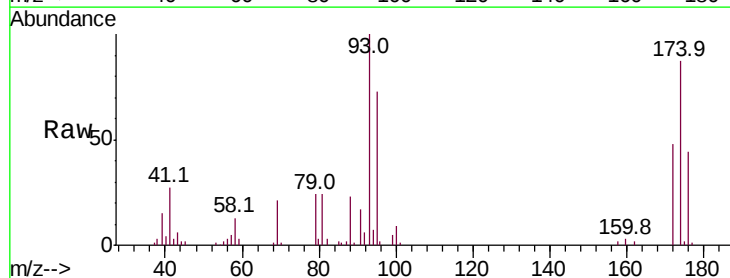
Tgt Ion: 93 Resp: 24635

Ion Ratio Lower Upper

93 100

95 81.8 68.7 103.1

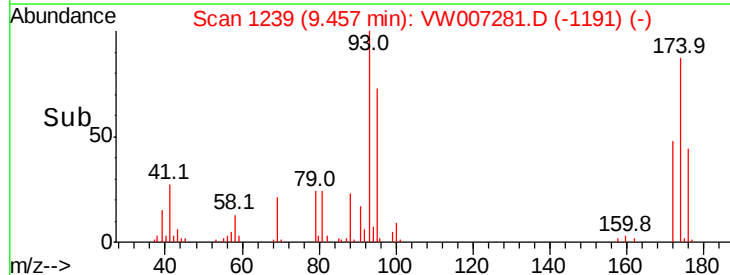
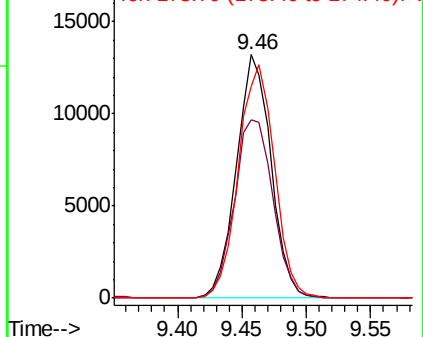
174 99.6 82.9 124.3

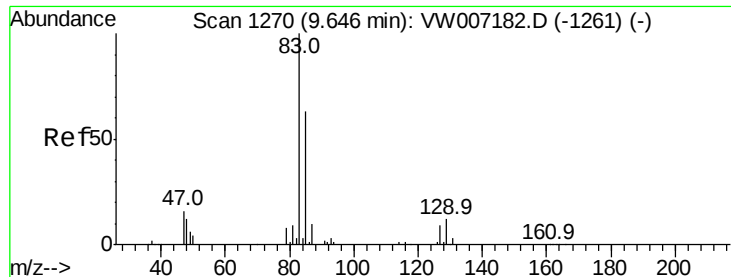


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.430 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampleId :

BFB

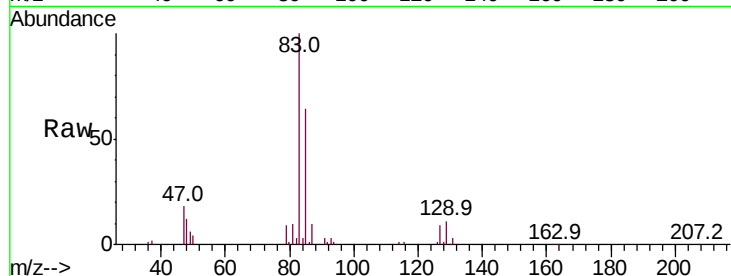
Tot Ion: 83 Resp: 66583

Ion Ratio Lower Upper

83 100

85 64.0 50.6 76.0

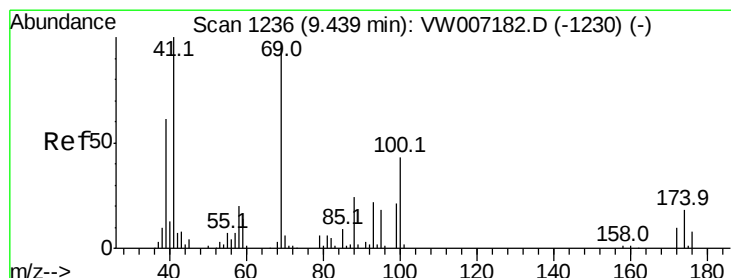
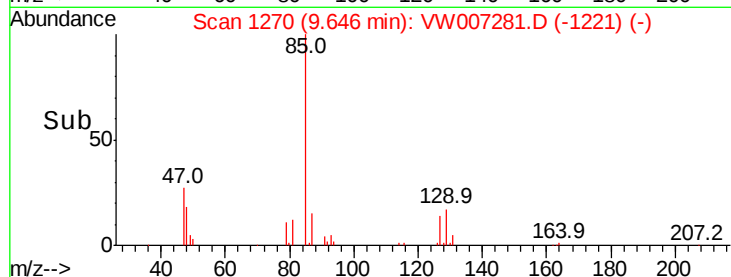
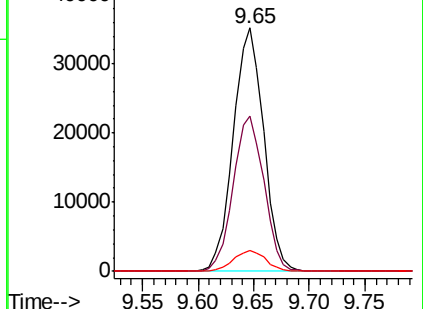
127 8.6 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 49.184 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

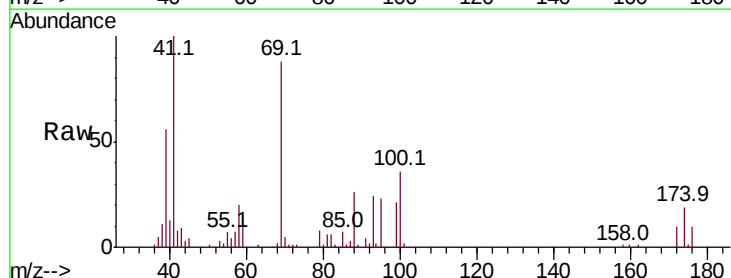
Tgt Ion: 41 Resp: 27147

Ion Ratio Lower Upper

41 100

69 85.0 69.6 104.4

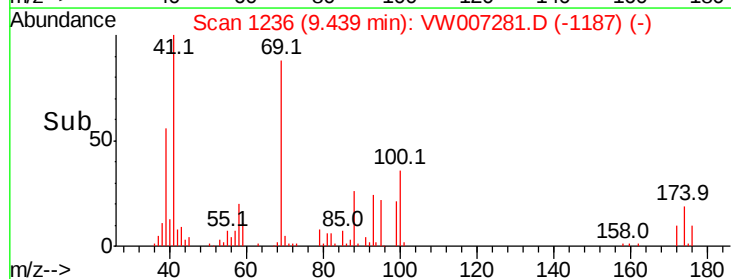
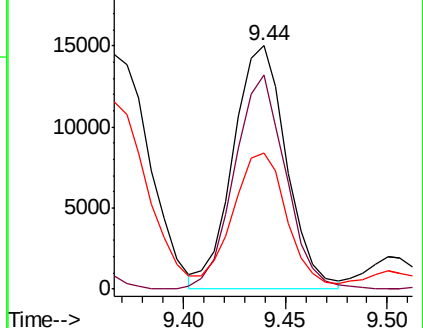
39 53.0 42.4 63.6

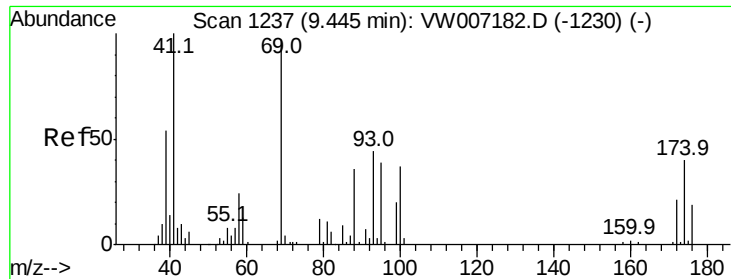


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

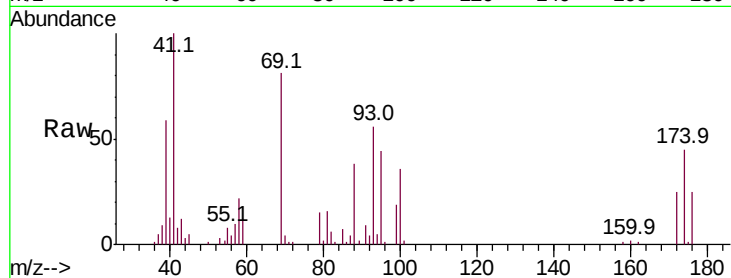




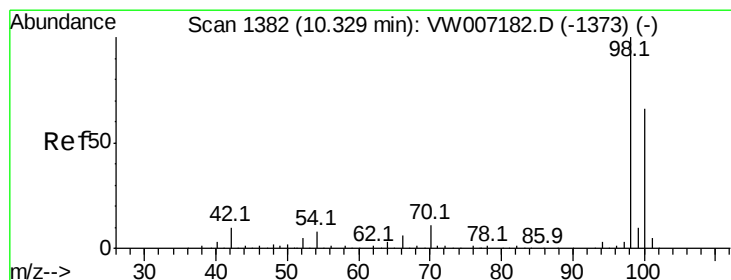
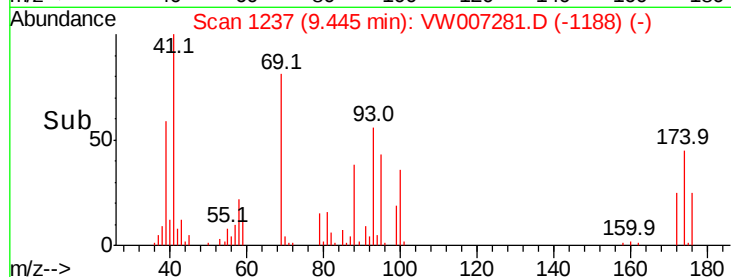
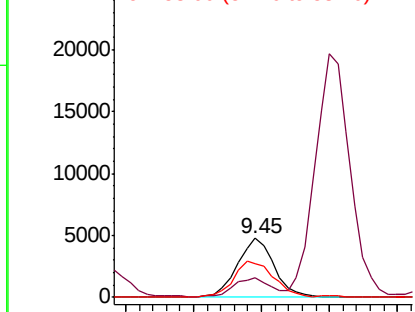
#49
1,4-Dioxane
Concen: 1020.954 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

Instrument :
MSVOA_W
ClientSampled :
BFB

Tot Ion: 88 Resp: 8952
Ion Ratio Lower Upper
88 100
43 30.5 25.8 38.8
58 67.4 58.9 88.3

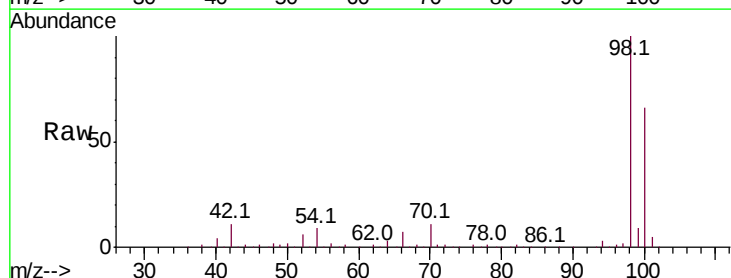


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

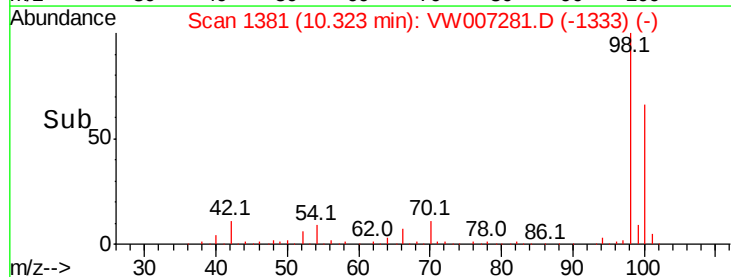
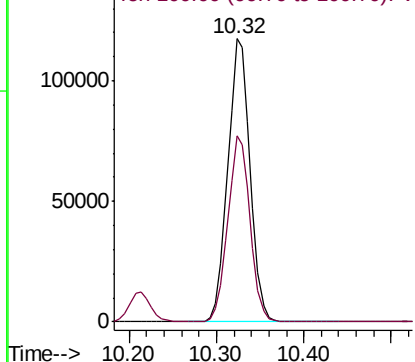


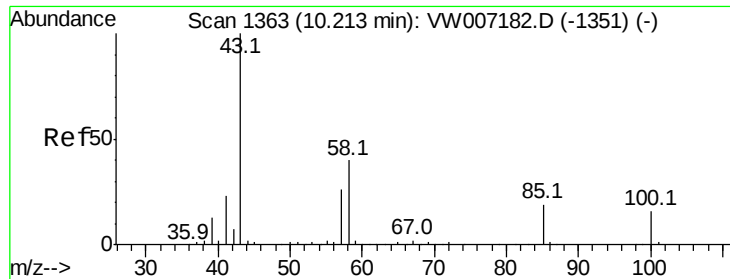
#50
Toluene-d8
Concen: 52.871 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

Tgt Ion: 98 Resp: 207466
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1



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





#51

4-Methyl-2-Pentanone

Concen: 240.645 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampled :

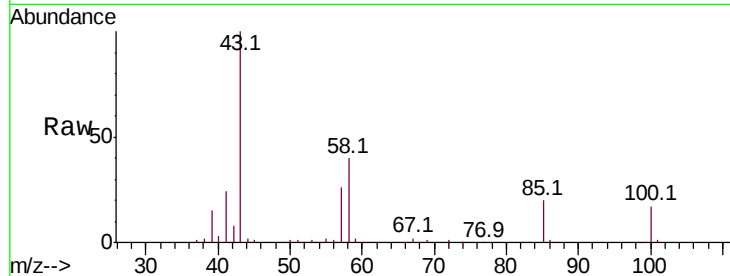
BFB

Tot Ion: 43 Resp: 126118

Ion Ratio Lower Upper

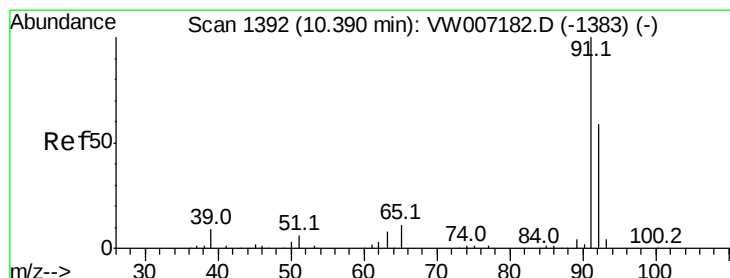
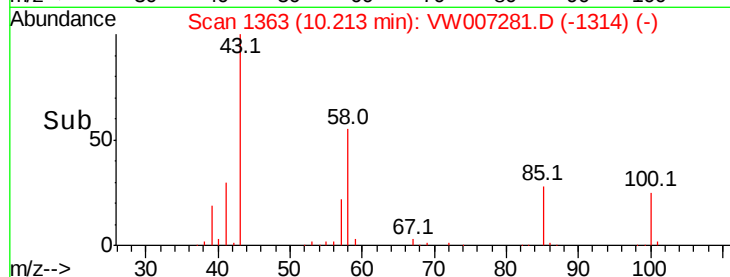
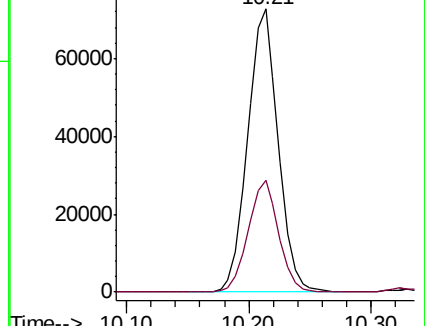
43 100

58 39.5 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 51.140 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007281.D

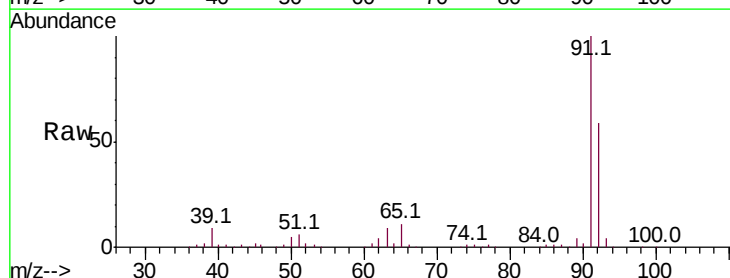
Acq: 06 Dec 2018 16:12

Tgt Ion: 92 Resp: 147663

Ion Ratio Lower Upper

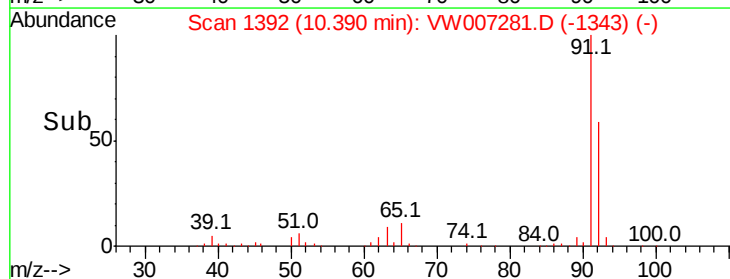
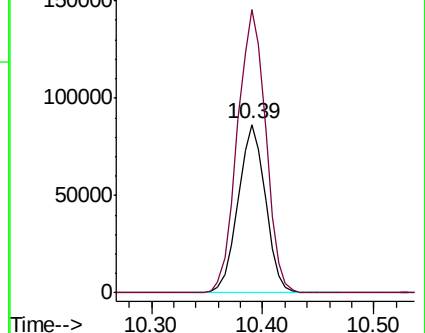
92 100

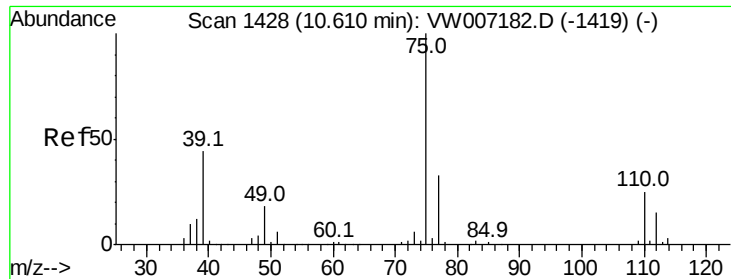
91 174.0 136.0 204.0



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: 48.946 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampleId :

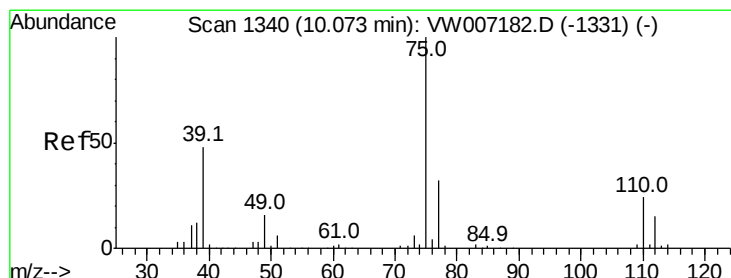
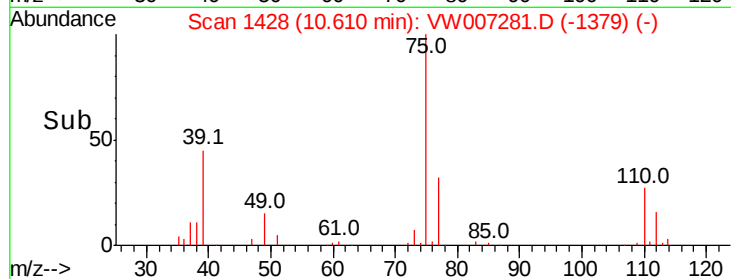
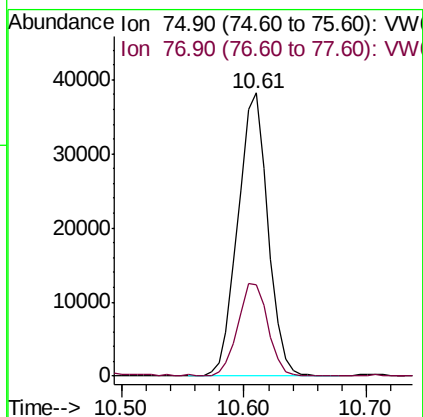
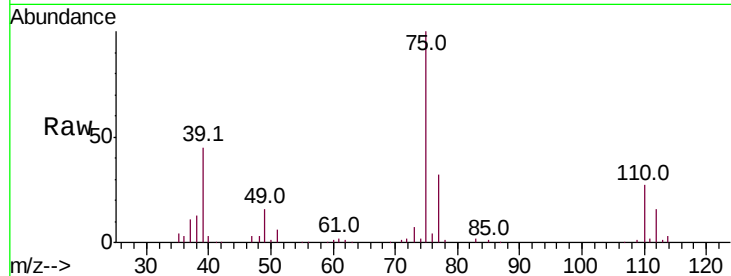
BFB

Tot Ion: 75 Resp: 64972

Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 50.846 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

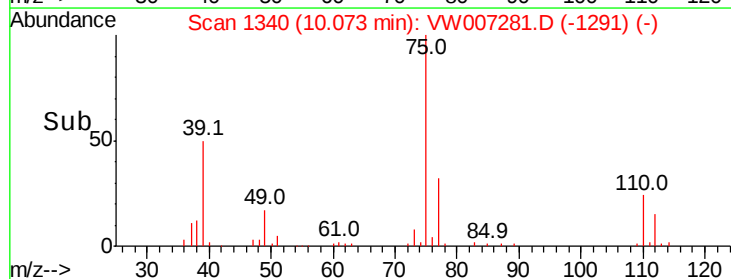
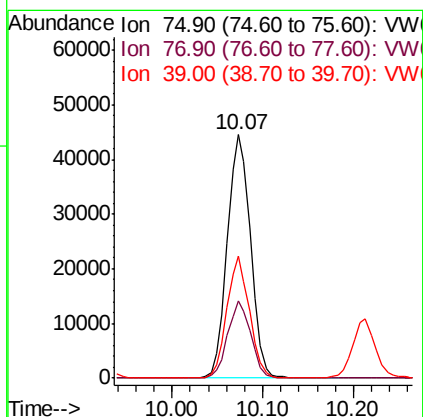
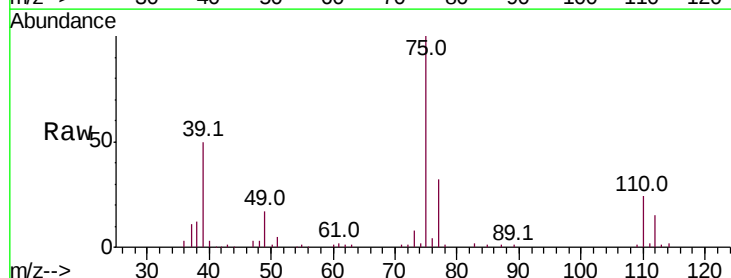
Tgt Ion: 75 Resp: 79098

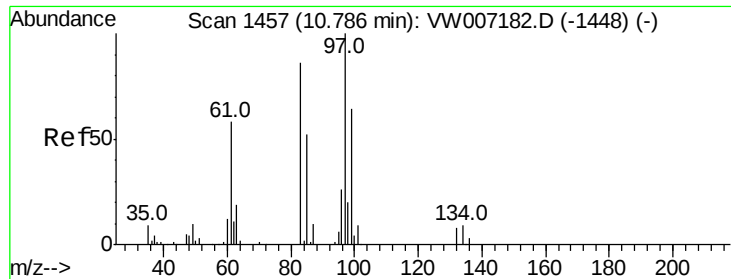
Ion Ratio Lower Upper

75 100

77 31.8 26.0 39.0

39 50.1 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 48.203 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampled :

BFB

Tot Ion: 97 Resp: 34415

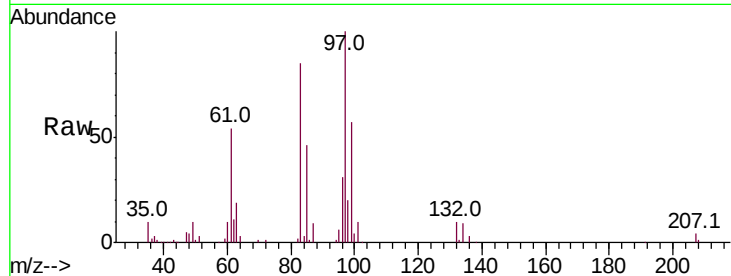
Ion	Ratio	Lower	Upper
97	100		
83	84.6	68.6	102.8
85	46.3	41.4	62.2
99	57.3	51.2	76.8

97 100

83 84.6 68.6 102.8

85 46.3 41.4 62.2

99 57.3 51.2 76.8



Abundance

Ion 96.90 (96.60 to 97.60): VW

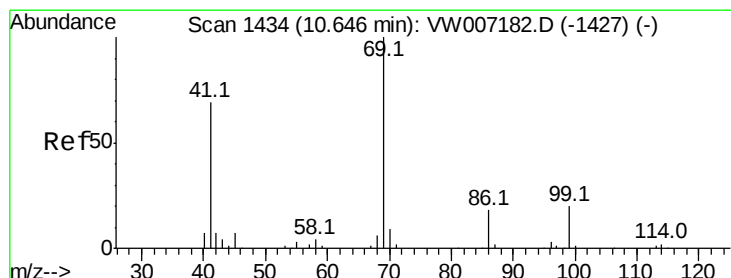
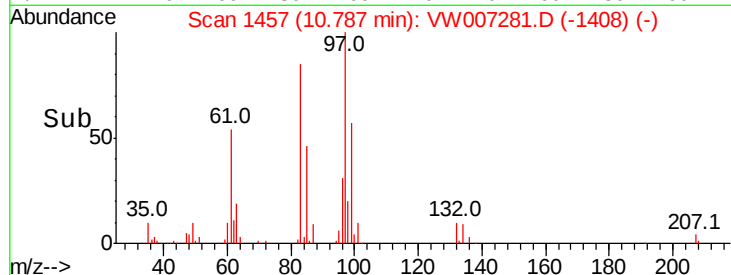
Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

Time-->

10.79



#56

Ethyl methacrylate

Concen: 47.296 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

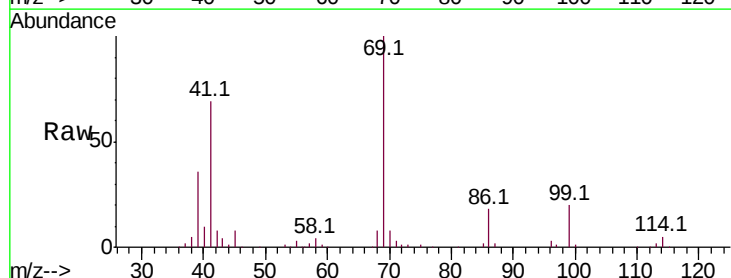
Tgt Ion: 69 Resp: 44048

Ion	Ratio	Lower	Upper
69	100		
41	68.2	51.8	77.6
39	35.3	28.7	43.1

69 100

41 68.2 51.8 77.6

39 35.3 28.7 43.1



Abundance

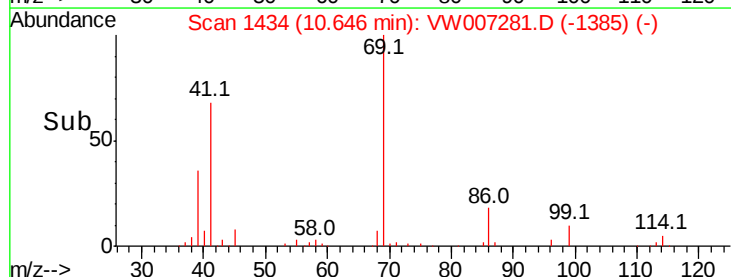
Ion 69.00 (68.70 to 69.70): VW

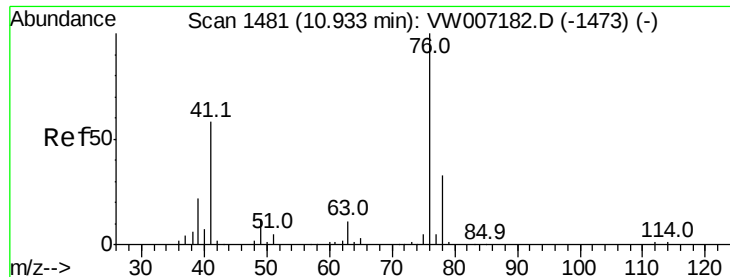
Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Time-->

10.65

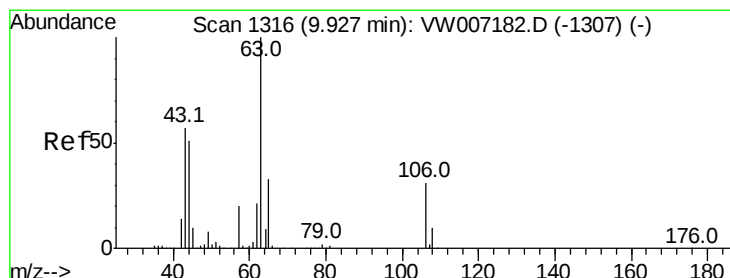
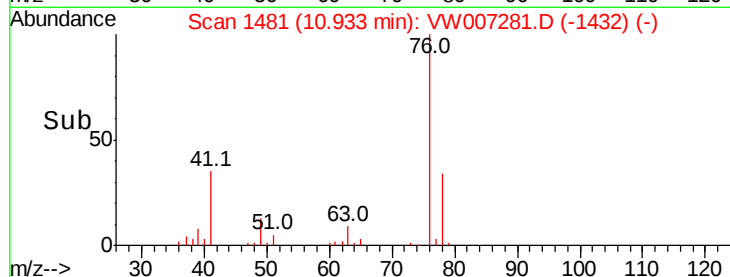
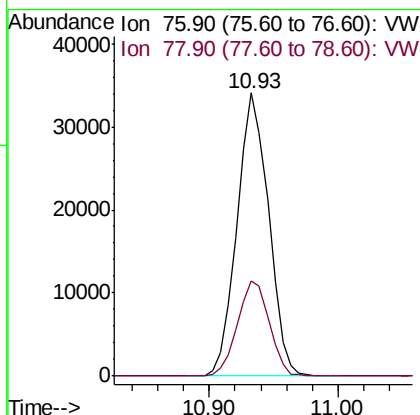
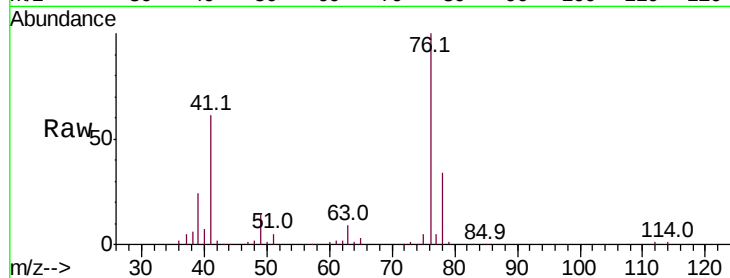




#57
 1,3-Dichloropropane
 Concen: 48.047 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007281.D
 Acq: 06 Dec 2018 16:12

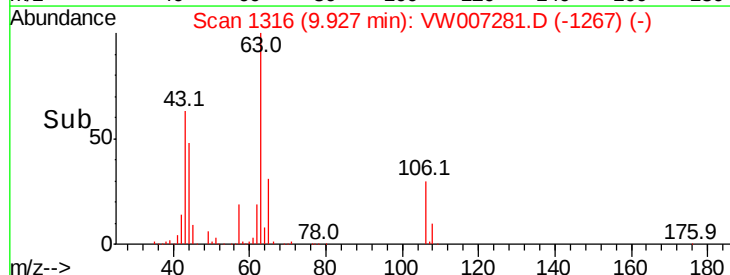
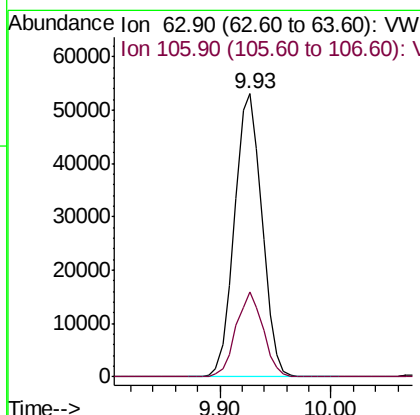
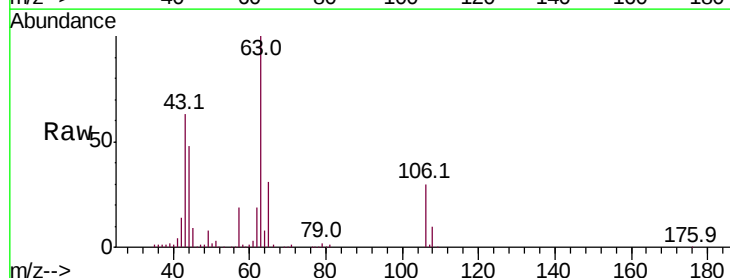
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

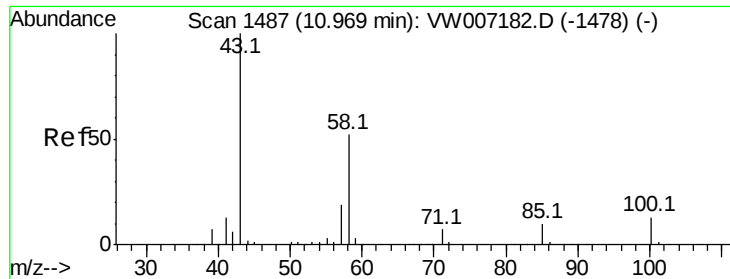
Tot Ion: 76 Resp: 57915
 Ion Ratio Lower Upper
 76 100
 78 33.9 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.624 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007281.D
 Acq: 06 Dec 2018 16:12

Tgt Ion: 63 Resp: 90760
 Ion Ratio Lower Upper
 63 100
 106 29.5 24.1 36.1





#59

2-Hexanone

Concen: 242.822 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampled :

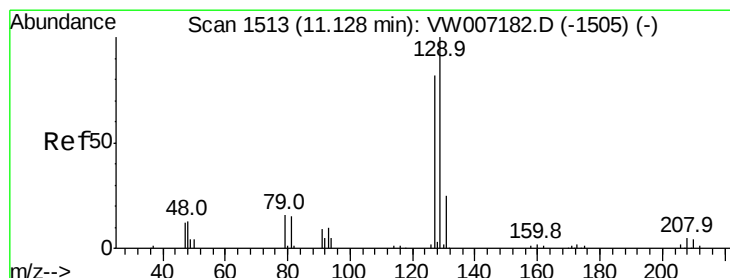
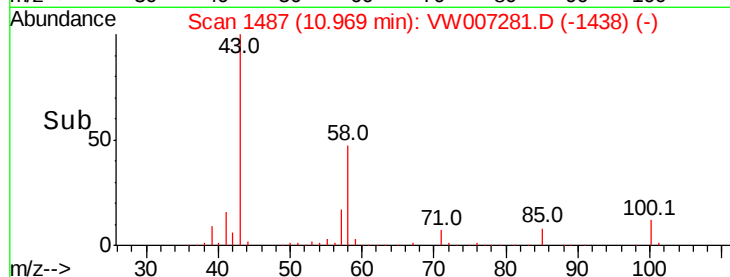
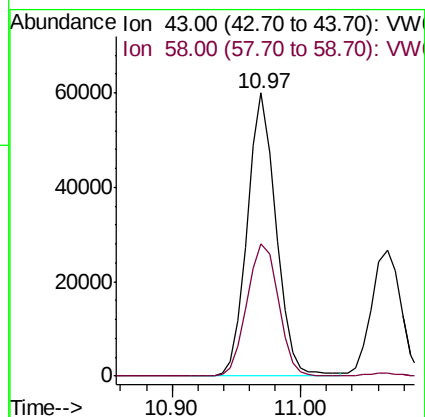
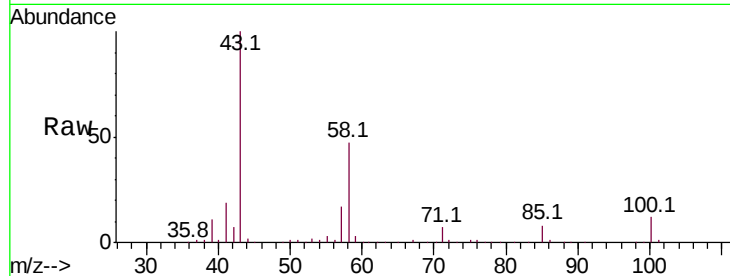
BFB

Tot Ion: 43 Resp: 92252

Ion Ratio Lower Upper

43 100

58 51.5 28.1 84.4



#60

Dibromochloromethane

Concen: 49.489 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007281.D

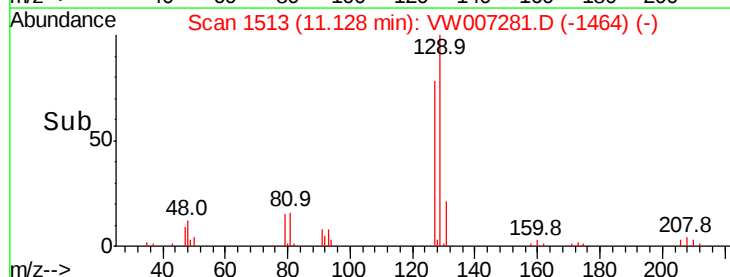
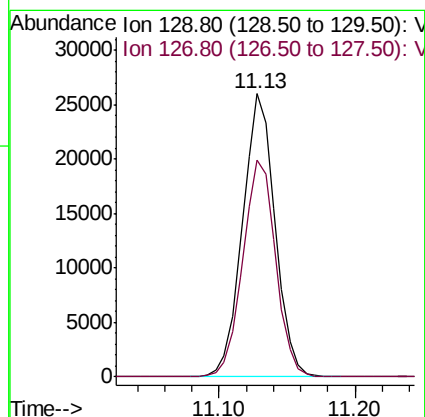
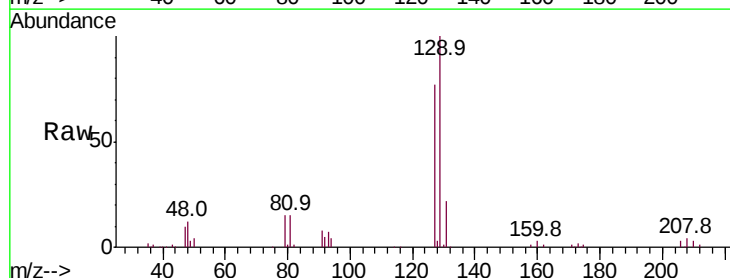
Acq: 06 Dec 2018 16:12

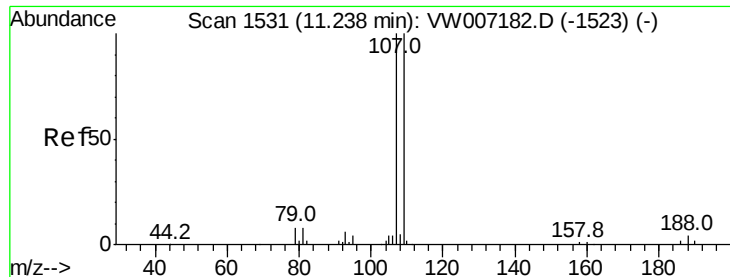
Tgt Ion: 129 Resp: 43426

Ion Ratio Lower Upper

129 100

127 77.4 39.8 119.4

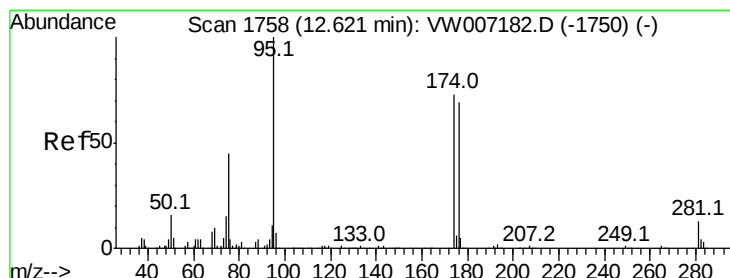
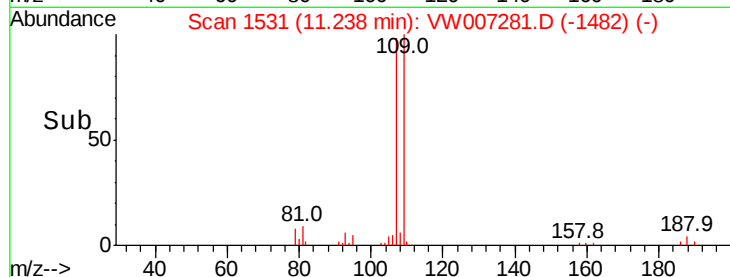
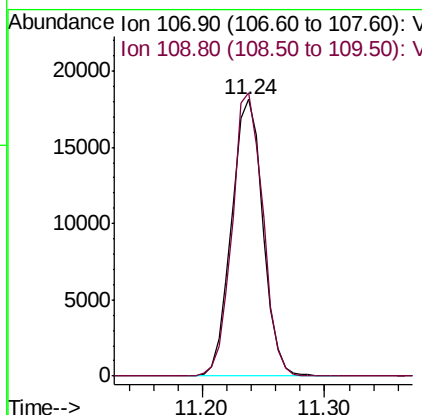
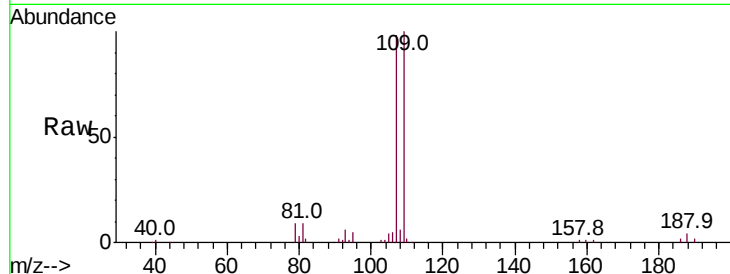




#61
 1,2-Dibromoethane
 Concen: 46.930 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007281.D
 Acq: 06 Dec 2018 16:12

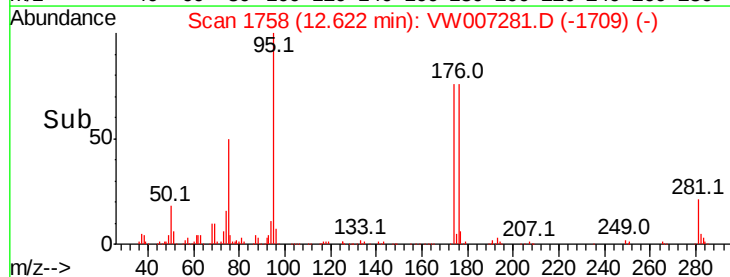
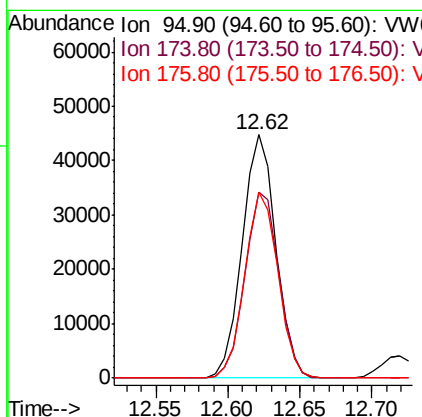
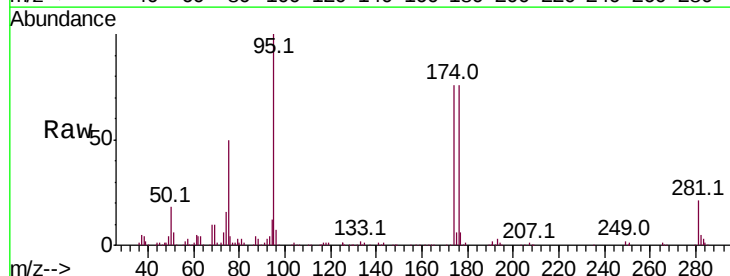
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

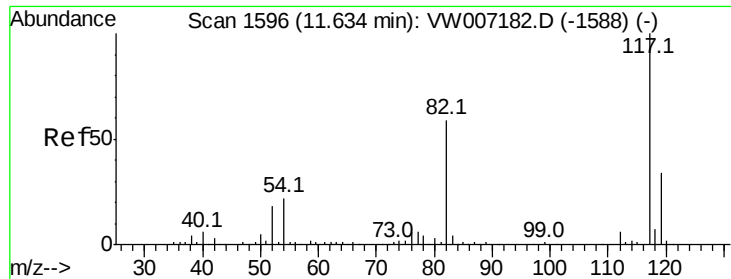
Tot Ion:107 Resp: 32137
 Ion Ratio Lower Upper
 107 100
 109 99.5 77.3 115.9



#62
 4-Bromofluorobenzene
 Concen: 48.832 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007281.D
 Acq: 06 Dec 2018 16:12

Tgt Ion: 95 Resp: 72325
 Ion Ratio Lower Upper
 95 100
 174 76.9 0.0 148.0
 176 75.3 0.0 139.4

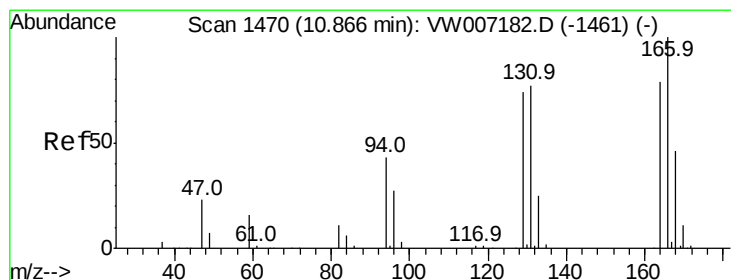
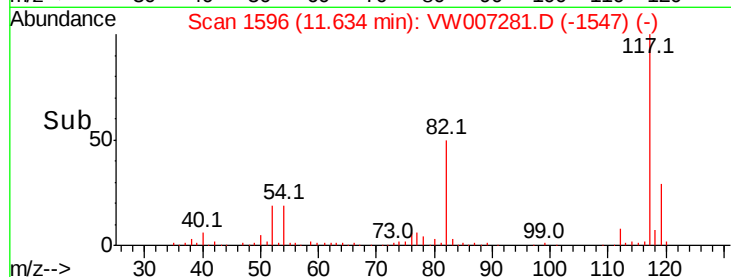
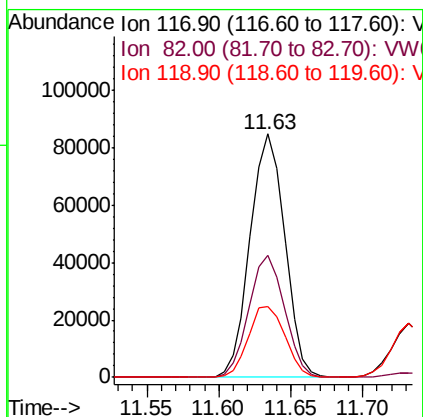
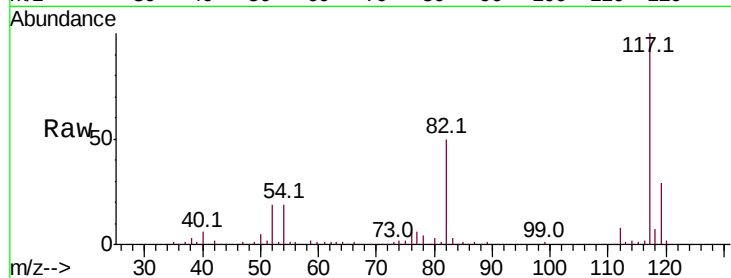




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

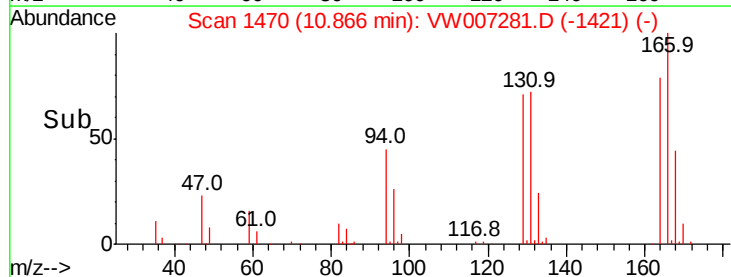
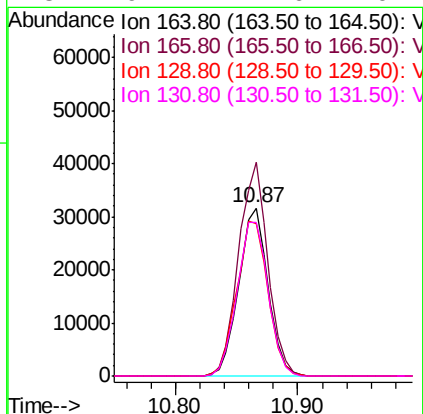
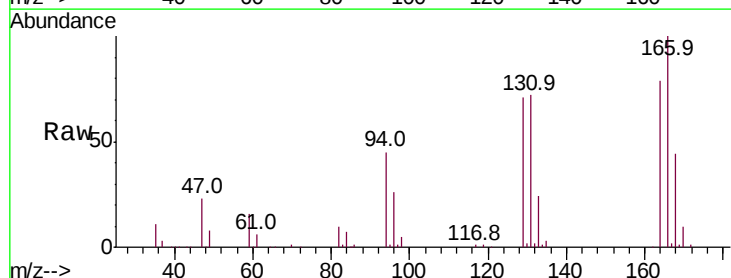
Instrument :
MSVOA_W
ClientSampled :
BFB

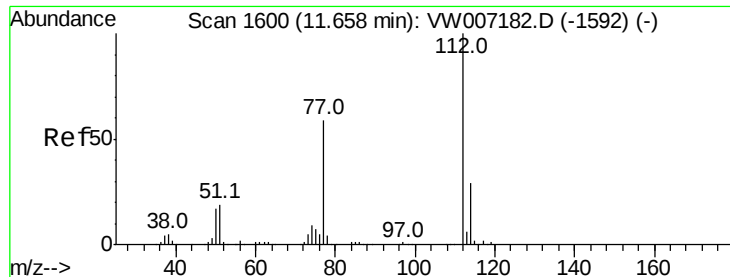
Tot Ion:117 Resp: 141605
Ion Ratio Lower Upper
117 100
82 50.3 47.4 71.2
119 29.1 26.8 40.2



#64
Tetrachloroethene
Concen: 50.601 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

Tgt Ion:164 Resp: 52351
Ion Ratio Lower Upper
164 100
166 127.2 101.0 151.4
129 90.6 74.6 111.8
131 91.1 77.6 116.4

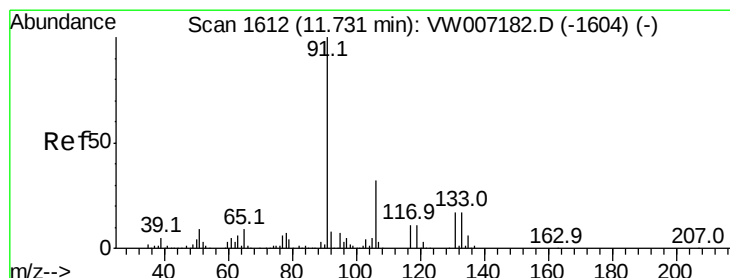
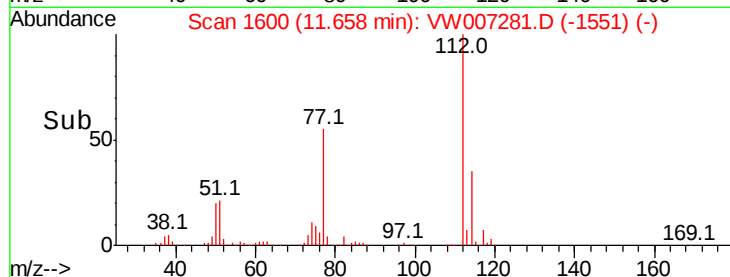
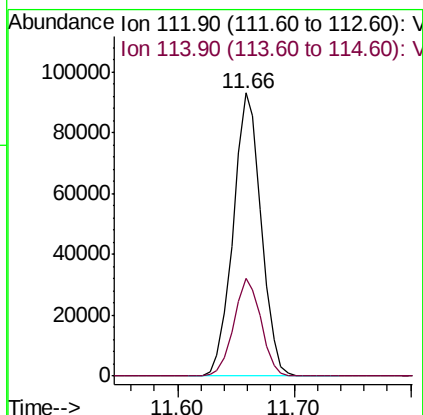
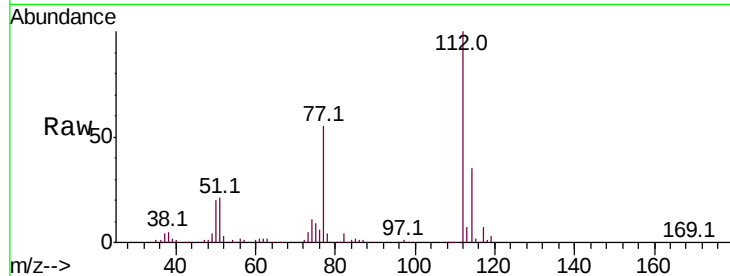




#65
Chlorobenzene
Concen: 49.250 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

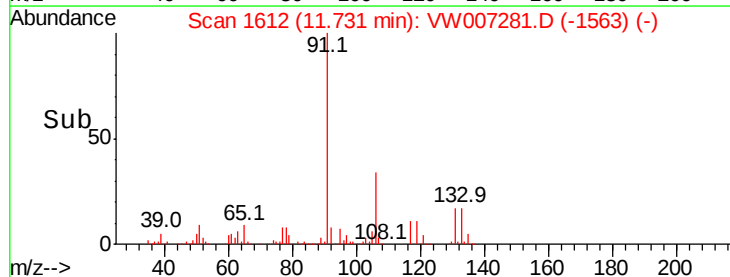
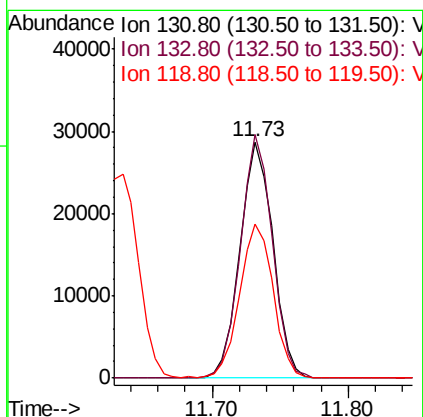
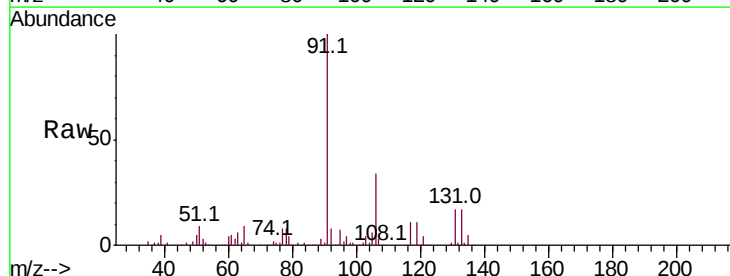
Instrument :
MSVOA_W
ClientSampled :
BFB

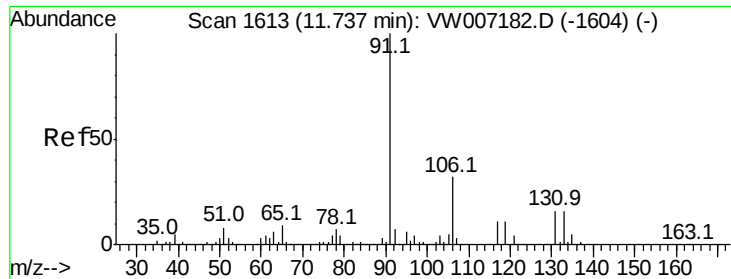
Tot Ion:112 Resp: 155756
Ion Ratio Lower Upper
112 100
114 34.7 23.0 34.4#



#66
1,1,1,2-Tetrachloroethane
Concen: 49.868 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

Tgt Ion:131 Resp: 48707
Ion Ratio Lower Upper
131 100
133 99.6 48.0 144.2
119 66.4 32.8 98.4

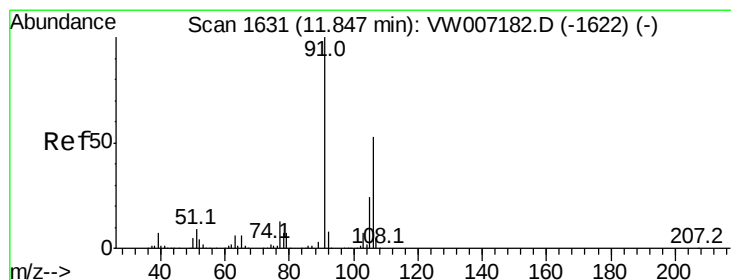
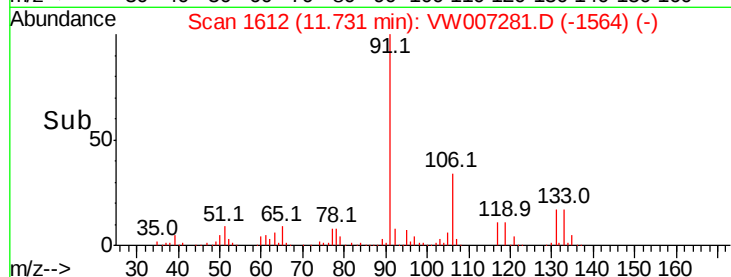
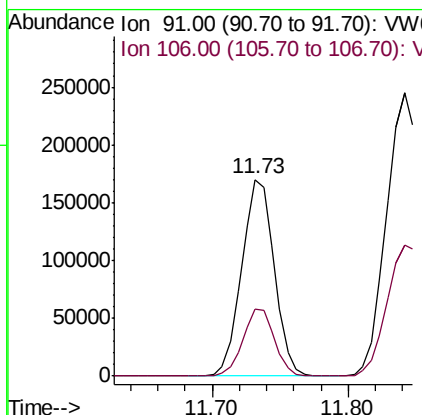
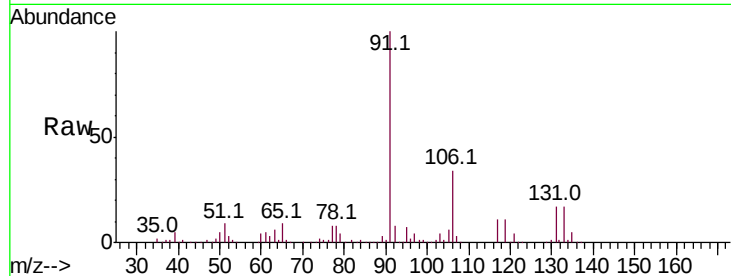




#67
Ethyl Benzene
Concen: 49.318 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

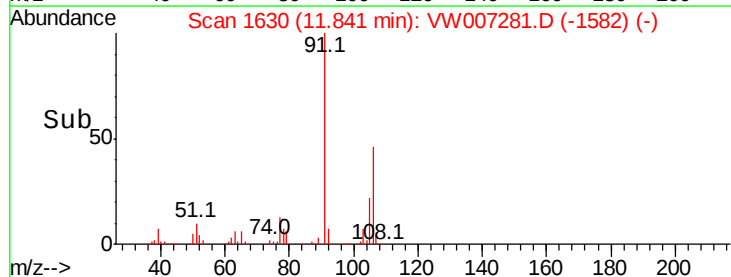
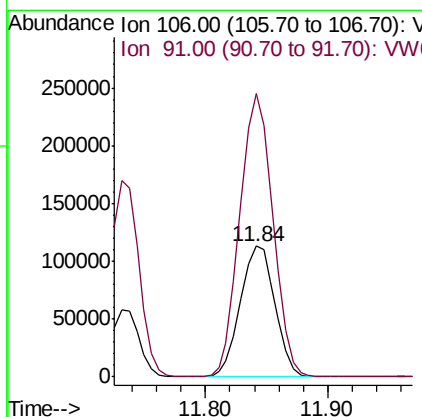
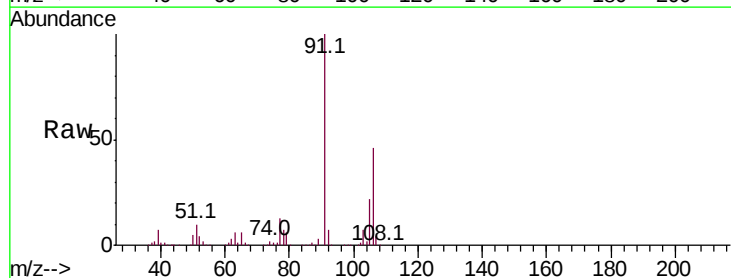
Instrument :
MSVOA_W
ClientSampled :
BFB

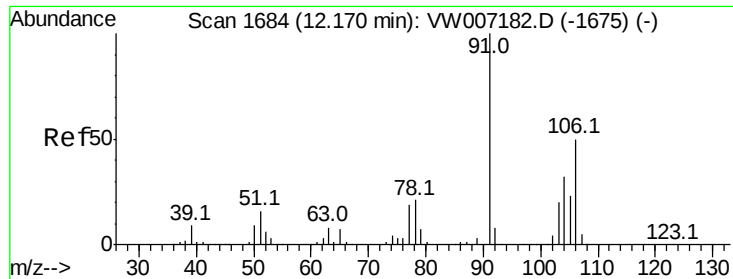
Tot Ion: 91 Resp: 284270
Ion Ratio Lower Upper
91 100
106 34.3 26.0 39.0



#68
m/p-Xylenes
Concen: 98.113 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

Tgt Ion: 106 Resp: 221861
Ion Ratio Lower Upper
106 100
91 208.1 160.2 240.4

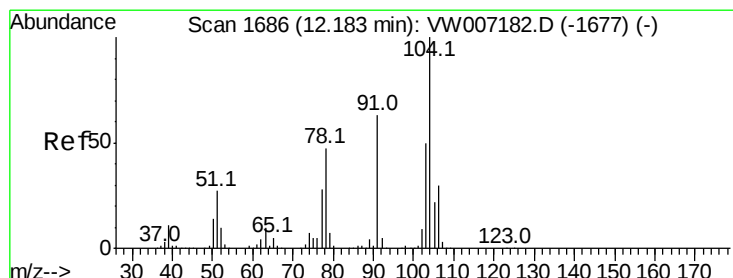
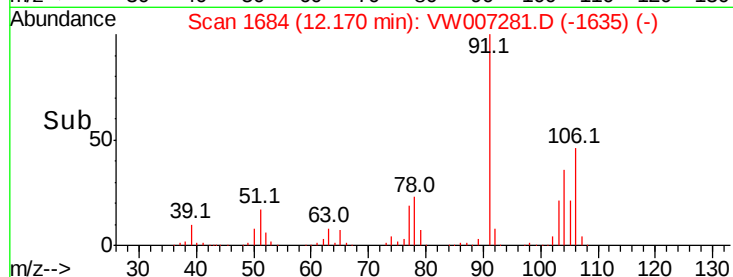
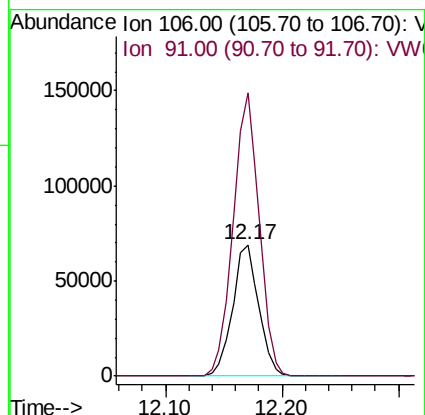
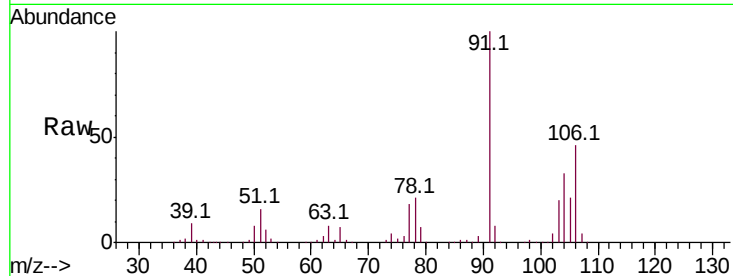




#69
o-Xylene
Concen: 50.841 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

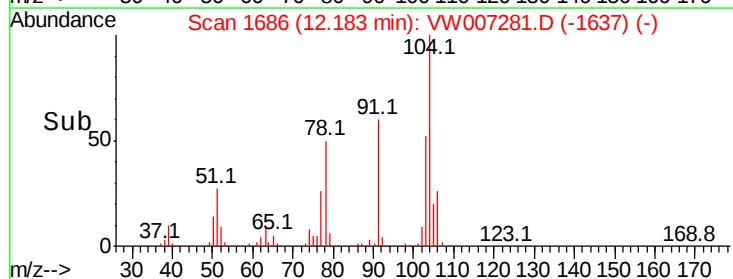
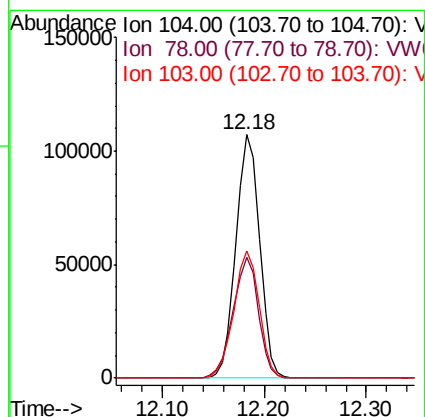
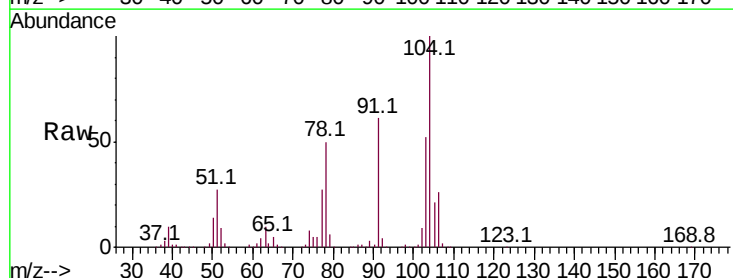
Instrument :
MSVOA_W
ClientSampleId :
BFB

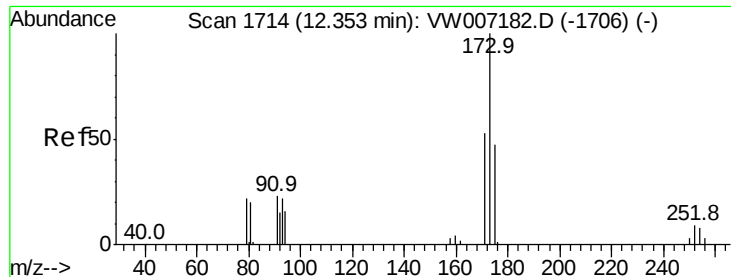
Tot Ion:106 Resp: 107411
Ion Ratio Lower Upper
106 100
91 216.1 104.9 314.7



#70
Styrene
Concen: 49.852 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

Tgt Ion:104 Resp: 172410
Ion Ratio Lower Upper
104 100
78 53.0 40.6 60.8
103 55.6 43.0 64.4





#71

Bromoform

Concen: 47.573 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampled :

BFB

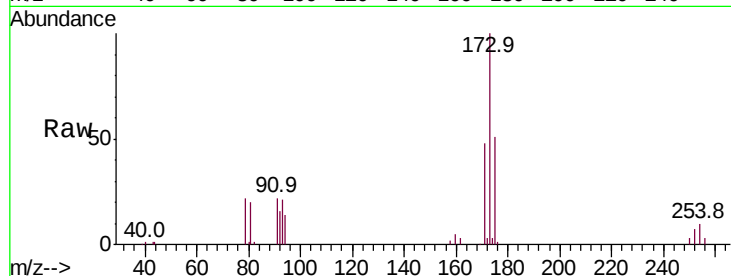
Tot Ion:173 Resp: 23260

Ion Ratio Lower Upper

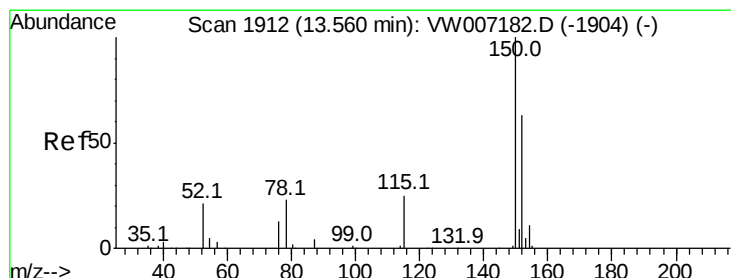
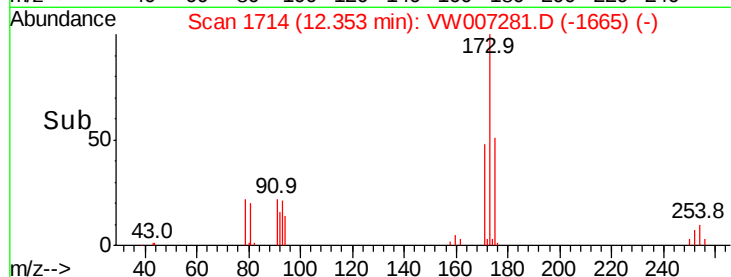
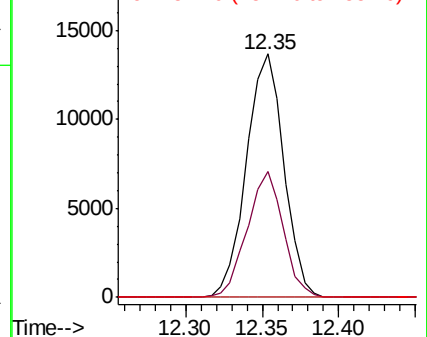
173 100

175 49.7 24.0 72.0

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

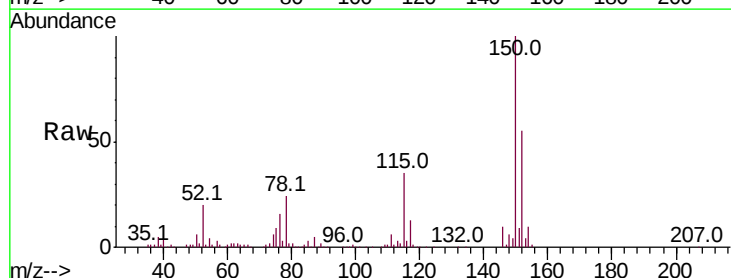
Tgt Ion:152 Resp: 66587

Ion Ratio Lower Upper

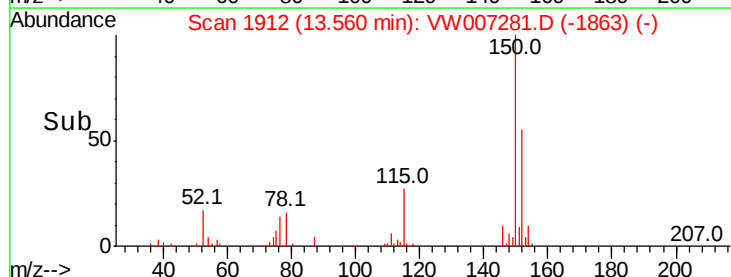
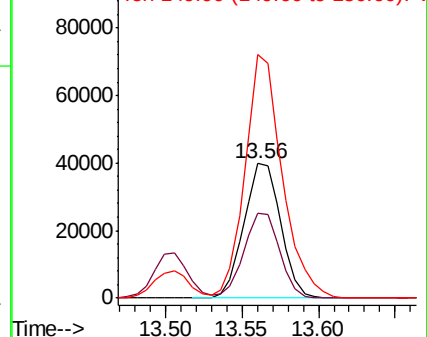
152 100

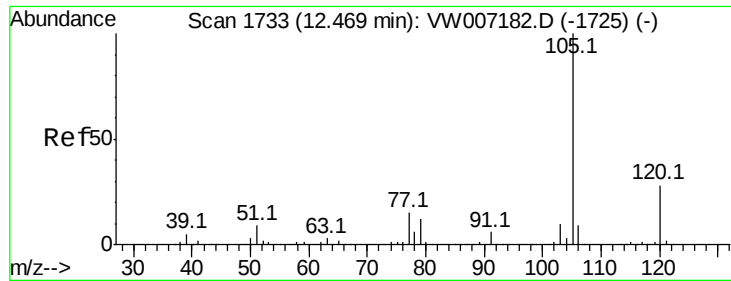
115 61.4 31.3 93.8

150 182.5 0.0 358.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.862 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampleId :

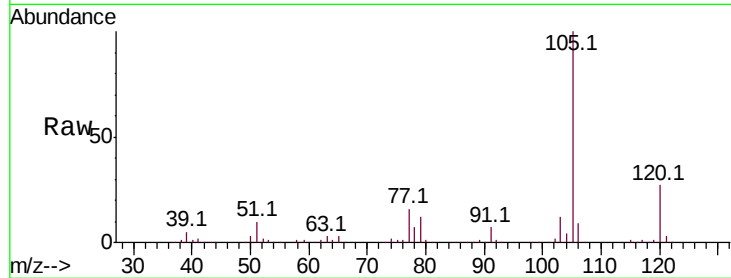
BFB

Tot Ion:105 Resp: 291702

Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

200000

150000

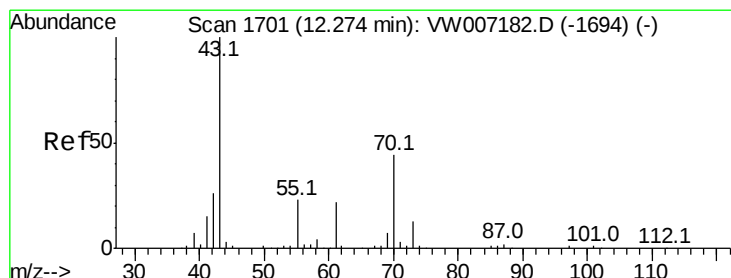
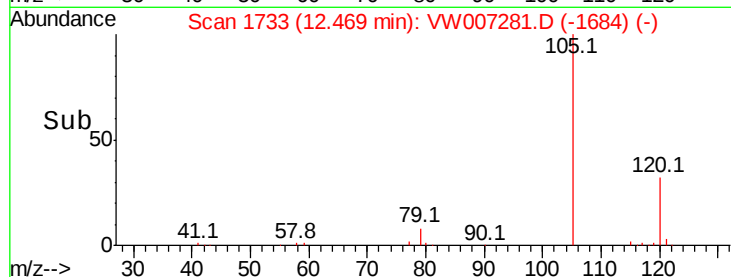
100000

50000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 47.909 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Tgt Ion: 43 Resp: 46002

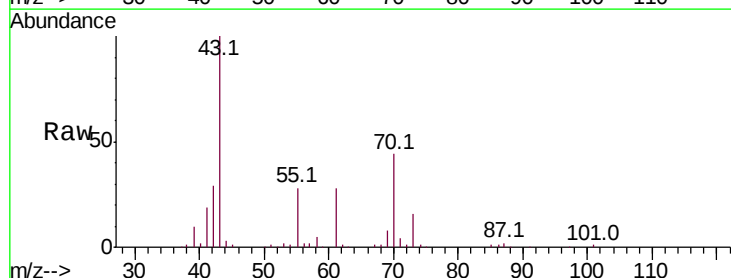
Ion Ratio Lower Upper

43 100

70 44.6 34.0 51.0

55 25.5 19.0 28.6

61 26.2 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

40000

30000

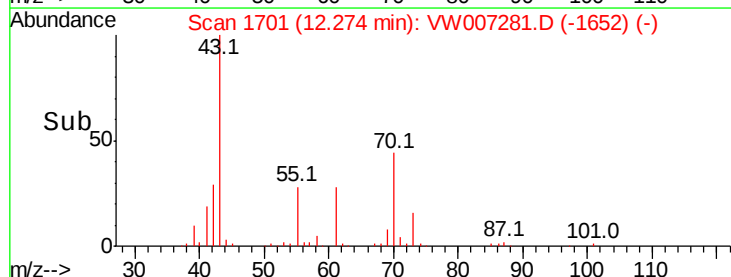
20000

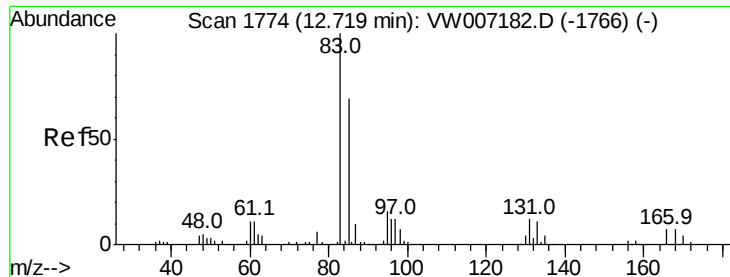
10000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 50.179 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampled :

BFB

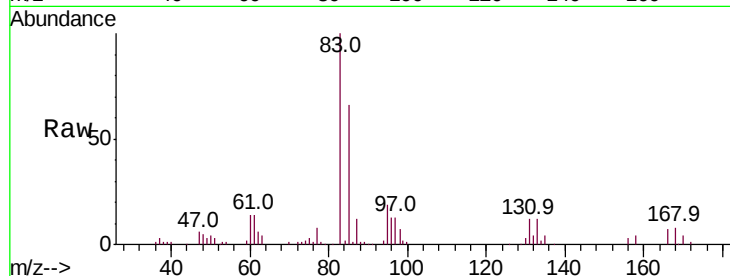
Tot Ion: 83 Resp: 35294

Ion Ratio Lower Upper

83 100

131 12.7 6.0 18.1

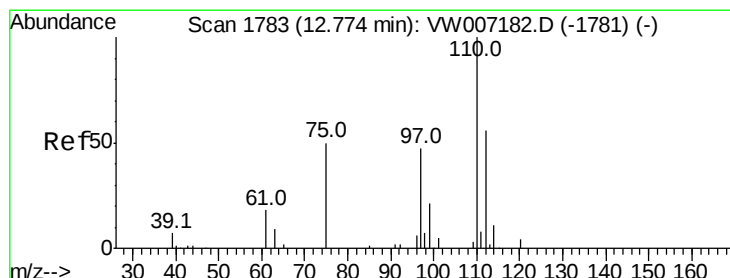
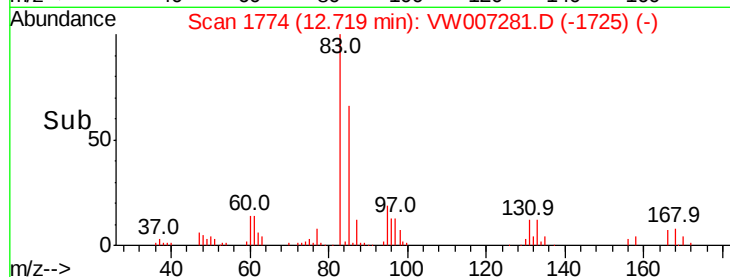
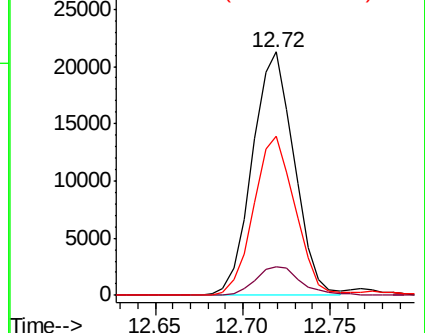
85 65.1 33.0 99.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 98.307 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007281.D

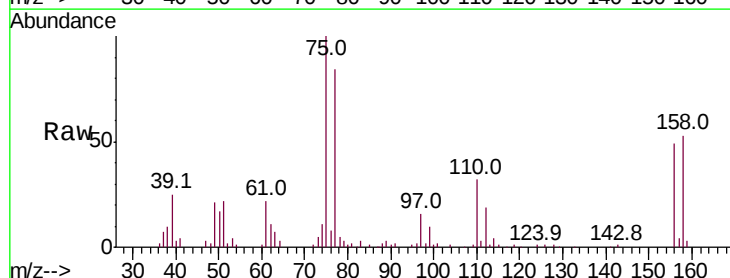
Acq: 06 Dec 2018 16:12

Tgt Ion: 75 Resp: 50686

Ion Ratio Lower Upper

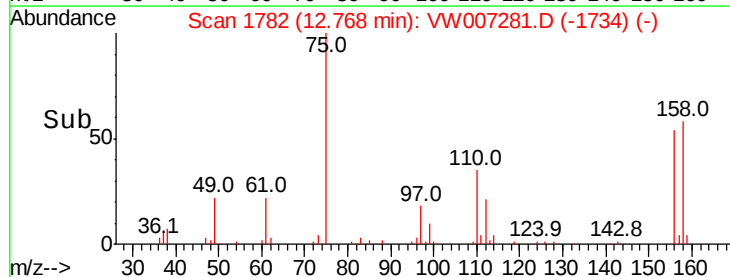
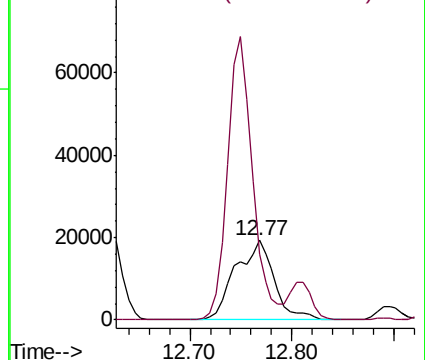
75 100

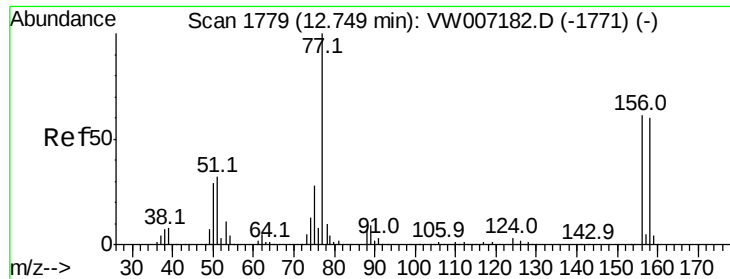
77 228.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 54.438 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampled :

BFB

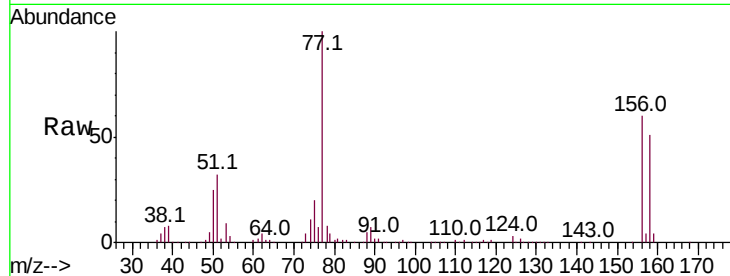
Tot Ion:156 Resp: 63638

Ion Ratio Lower Upper

156 100

77 182.3 92.0 276.1

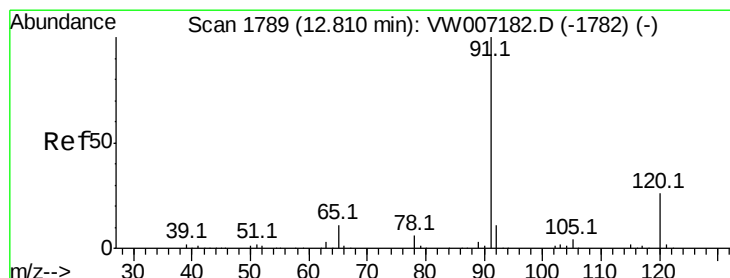
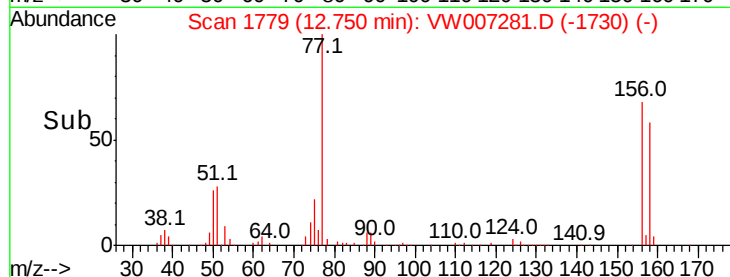
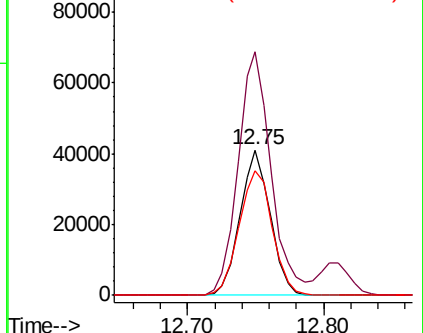
158 94.3 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.179 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW007281.D

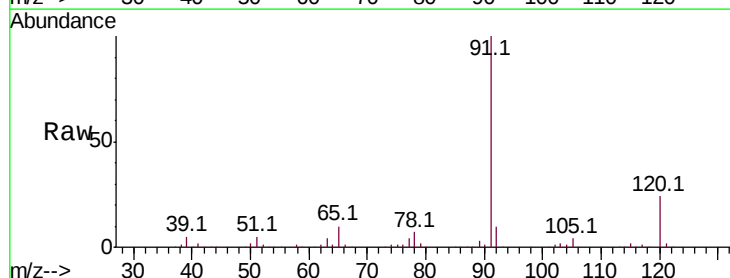
Acq: 06 Dec 2018 16:12

Tgt Ion: 91 Resp: 343119

Ion Ratio Lower Upper

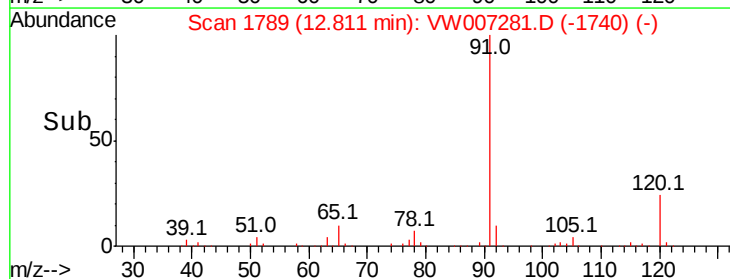
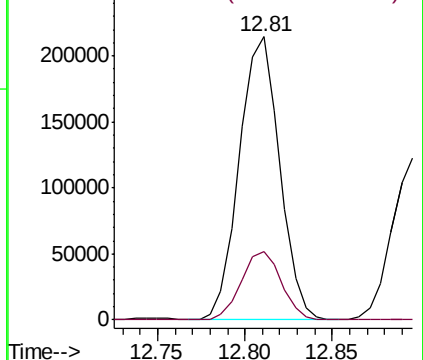
91 100

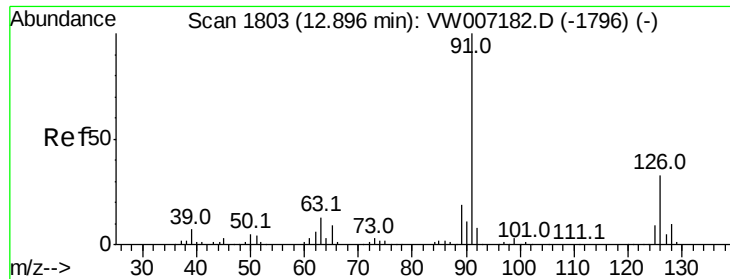
120 24.1 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.698 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampled :

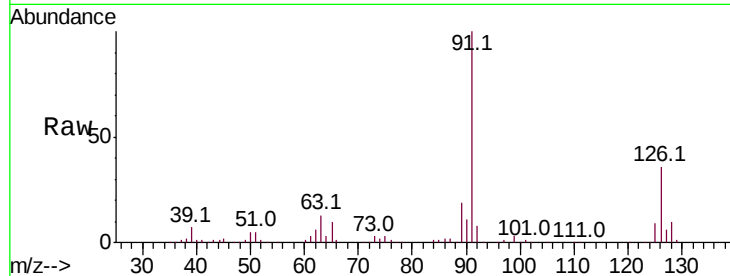
BFB

Tot Ion: 91 Resp: 199296

Ion Ratio Lower Upper

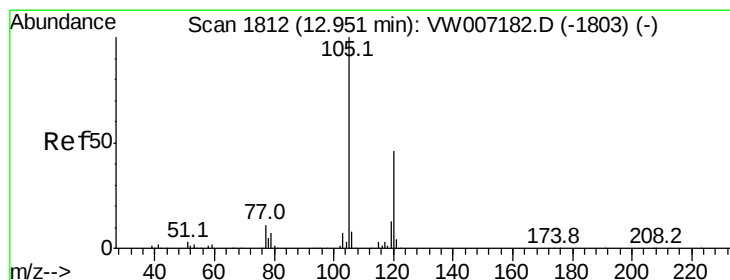
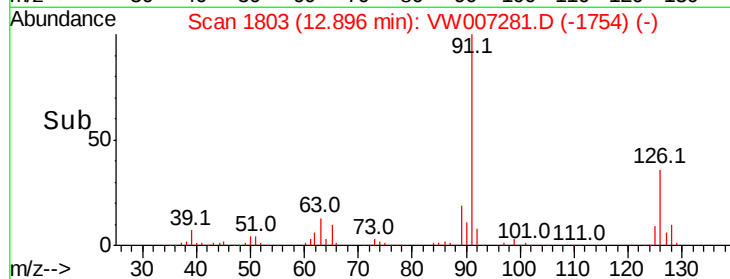
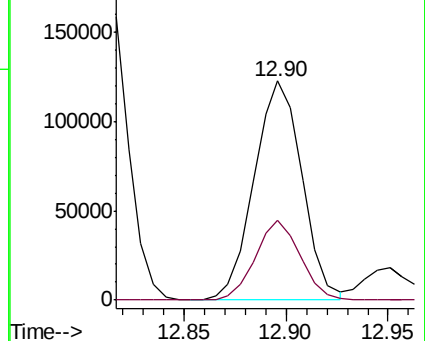
91 100

126 34.5 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 54.879 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW007281.D

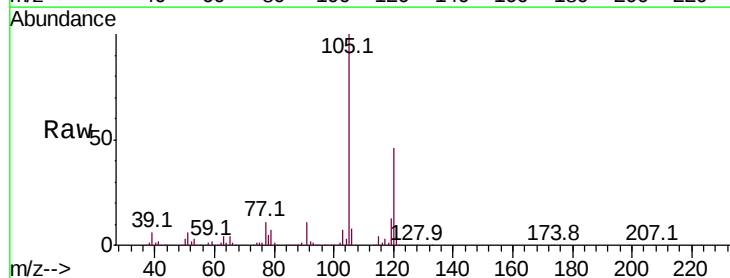
Acq: 06 Dec 2018 16:12

Tgt Ion:105 Resp: 254258

Ion Ratio Lower Upper

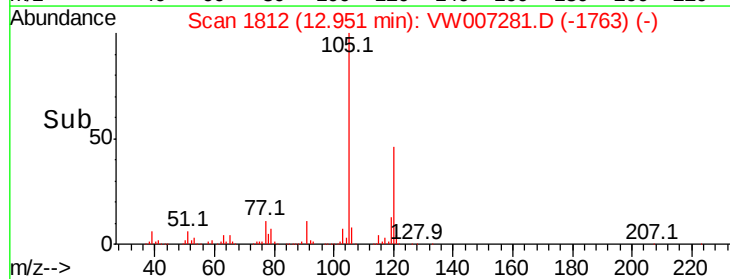
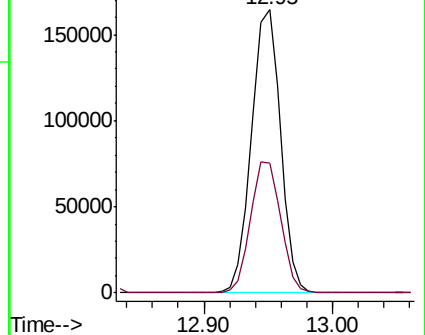
105 100

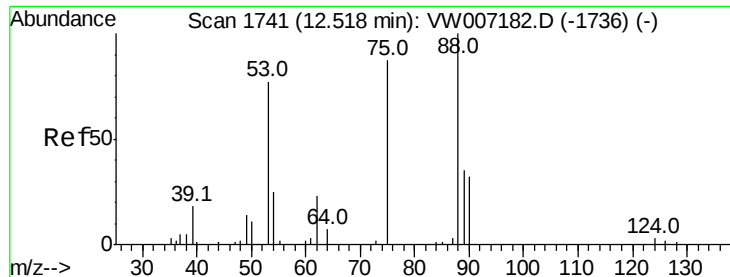
120 48.3 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 47.953 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampleId :

BFB

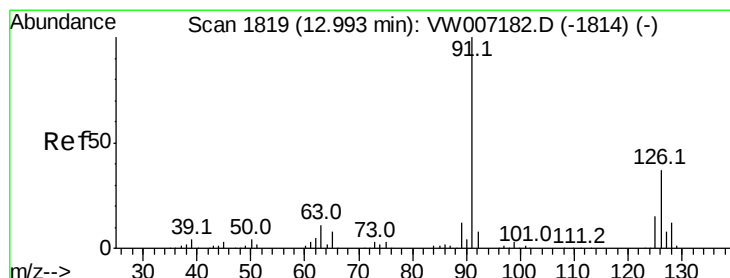
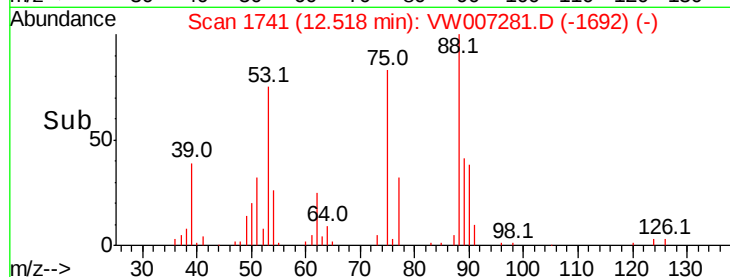
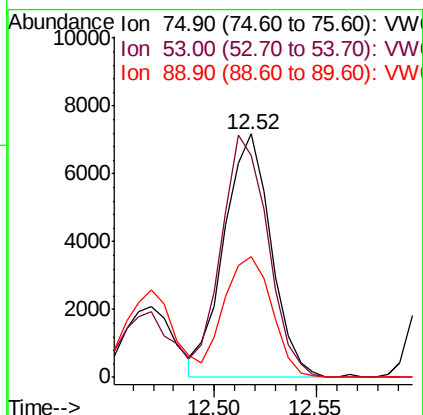
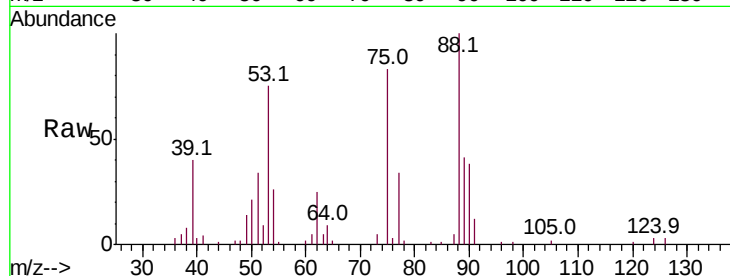
Tot Ion: 75 Resp: 11471

Ion Ratio Lower Upper

75 100

53 98.9 72.8 109.2

89 50.5 36.4 54.6



#82

4-Chlorotoluene

Concen: 53.350 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW007281.D

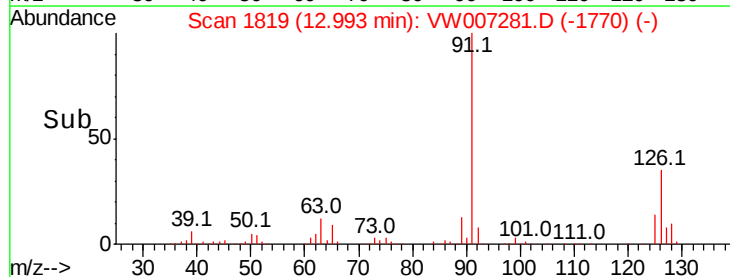
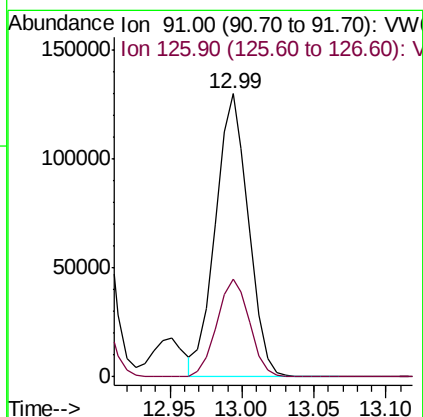
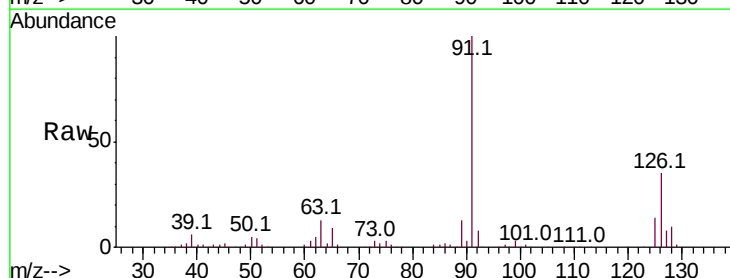
Acq: 06 Dec 2018 16:12

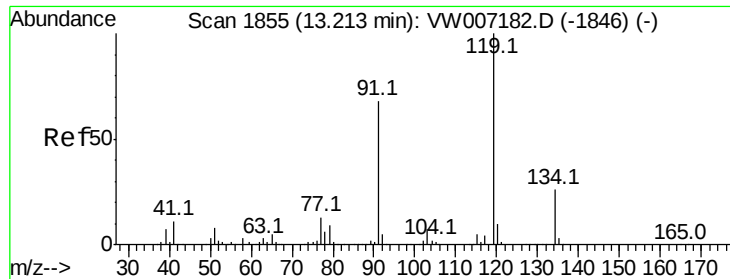
Tgt Ion: 91 Resp: 206792

Ion Ratio Lower Upper

91 100

126 34.6 17.4 52.3





#83

tert-Butylbenzene

Concen: 54.896 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampleId :

BFB

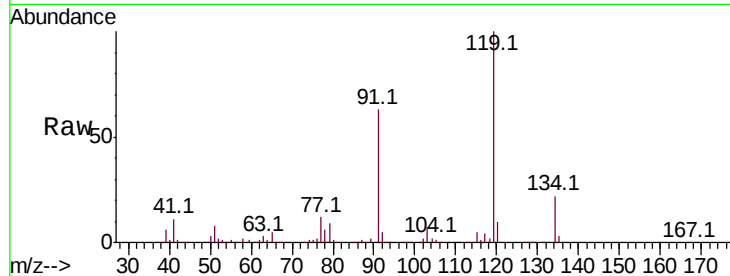
Tot Ion:119 Resp: 222262

Ion Ratio Lower Upper

119 100

91 65.1 34.0 101.8

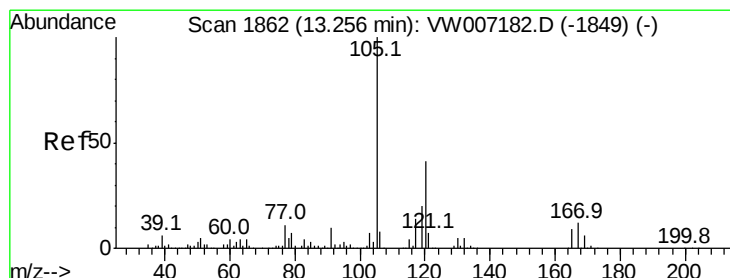
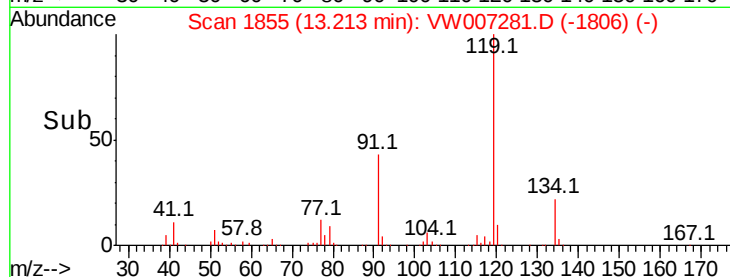
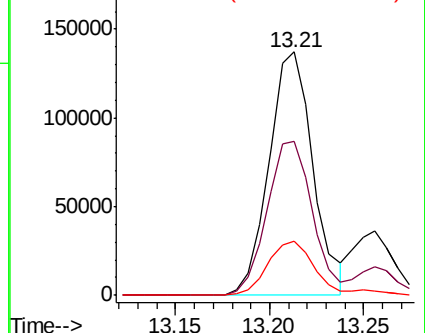
134 23.4 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.458 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW007281.D

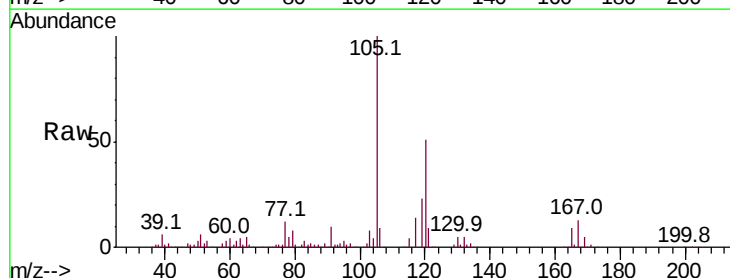
Acq: 06 Dec 2018 16:12

Tgt Ion:105 Resp: 248092

Ion Ratio Lower Upper

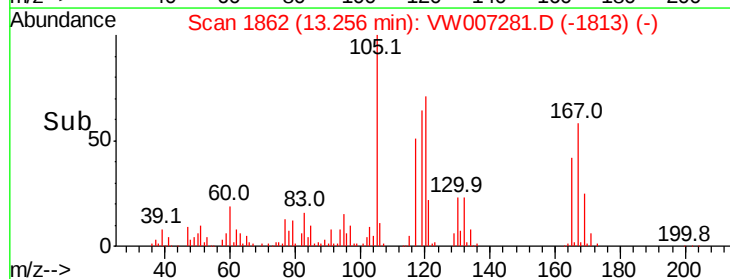
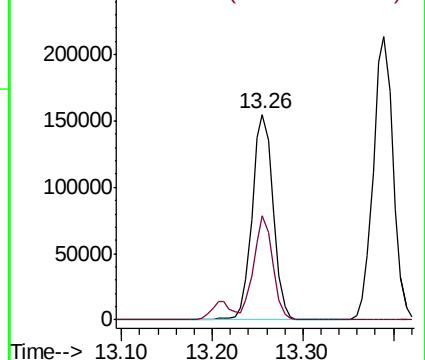
105 100

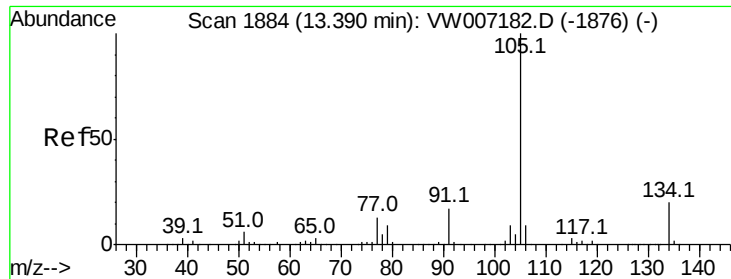
120 46.0 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

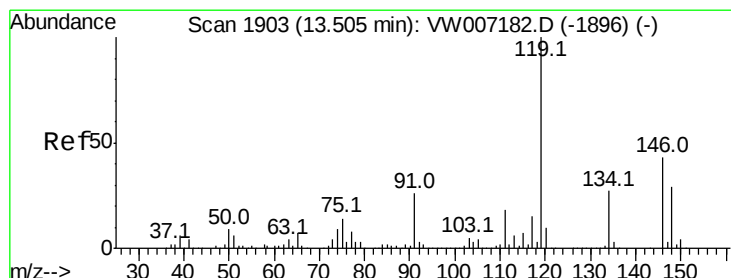
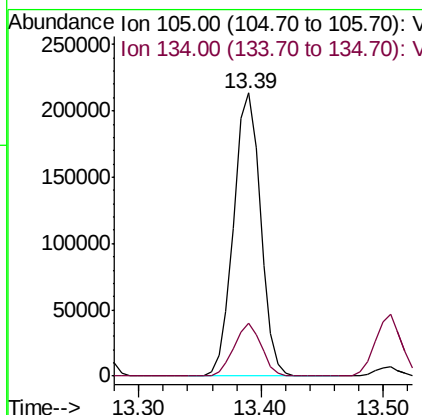
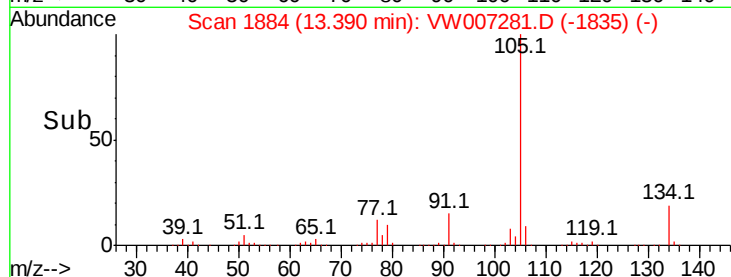
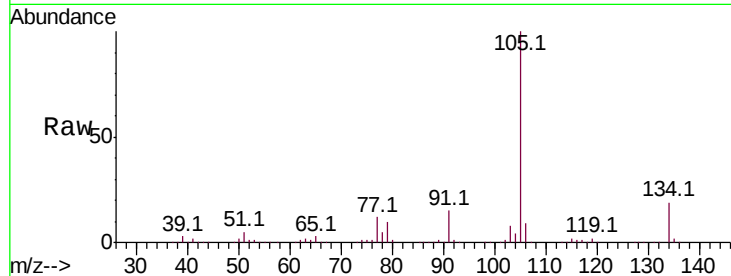




#85
 sec-Butylbenzene
 Concen: 56.198 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007281.D
 Acq: 06 Dec 2018 16:12

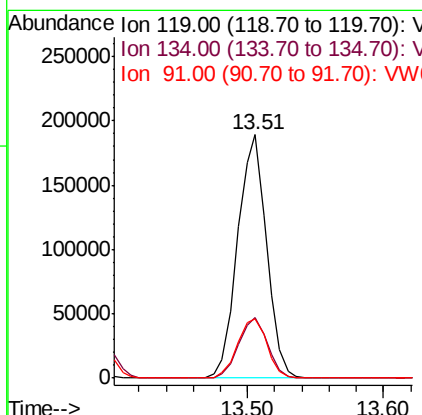
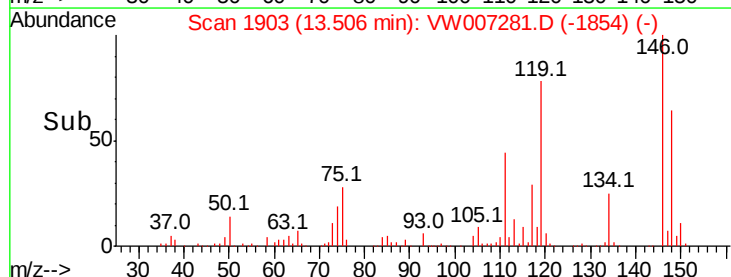
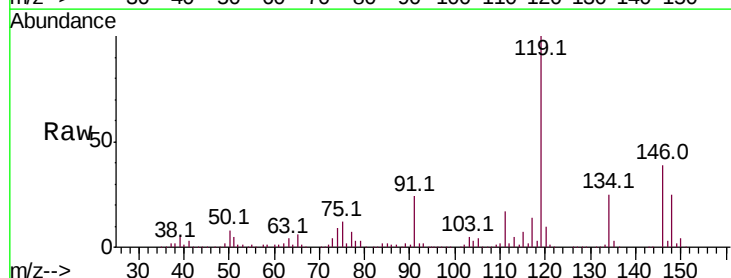
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

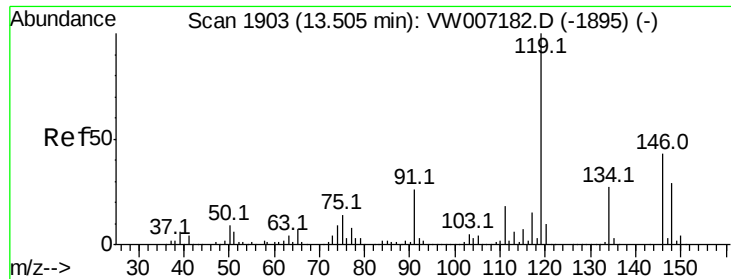
Tot Ion:105 Resp: 324828
 Ion Ratio Lower Upper
 105 100
 134 18.9 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 54.326 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007281.D
 Acq: 06 Dec 2018 16:12

Tgt Ion:119 Resp: 279531
 Ion Ratio Lower Upper
 119 100
 134 25.0 13.2 39.6
 91 25.0 12.4 37.2

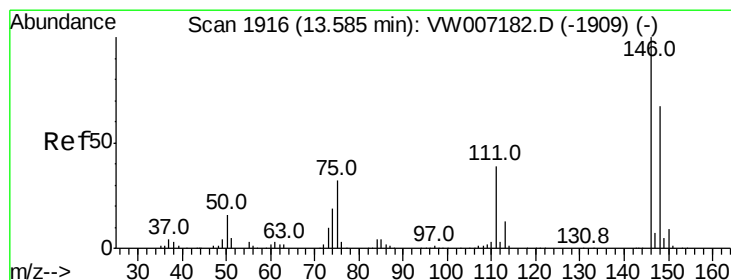
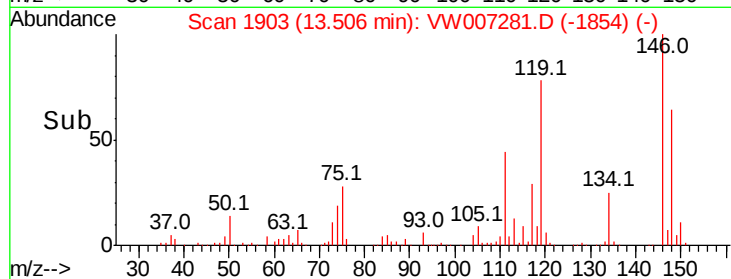
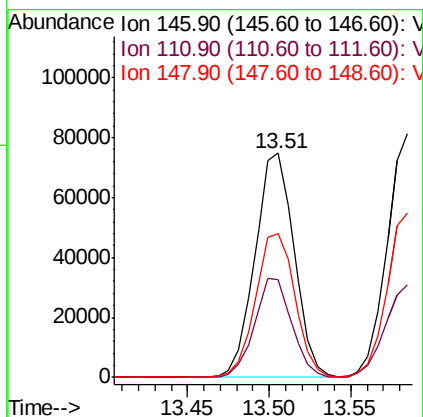
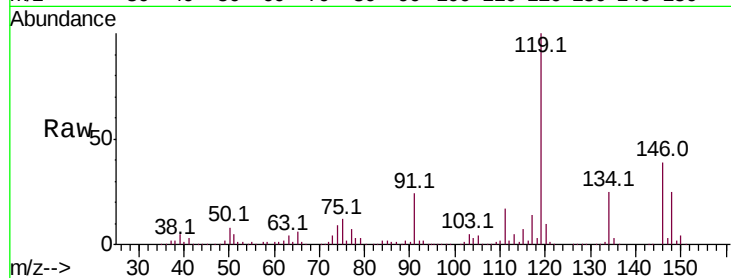




#87
 1,3-Dichlorobenzene
 Concen: 51.970 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007281.D
 Acq: 06 Dec 2018 16:12

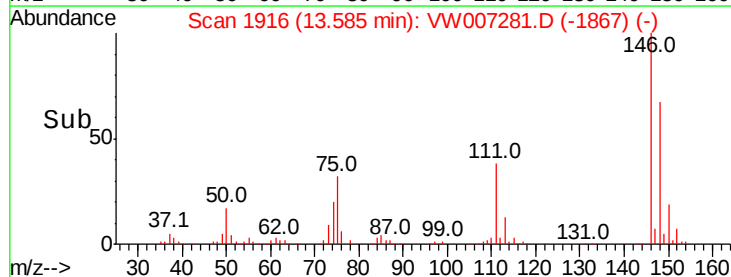
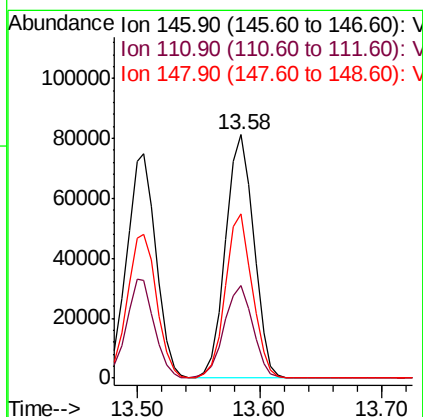
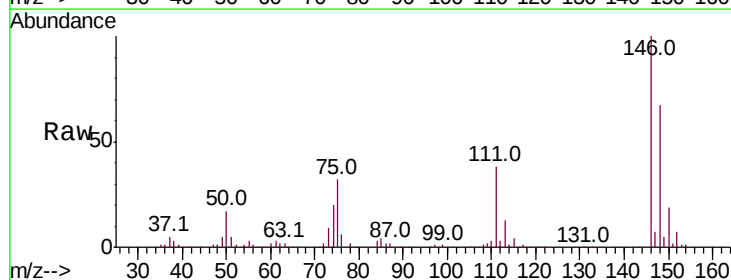
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

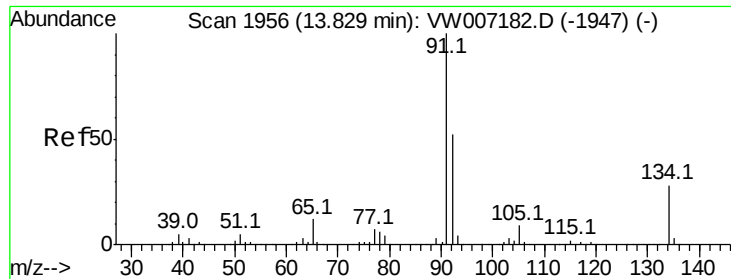
Tot Ion:146 Resp: 124718
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.1 63.4
 148 64.7 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 53.441 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007281.D
 Acq: 06 Dec 2018 16:12

Tgt Ion:146 Resp: 129544
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.6 58.8
 148 64.4 32.6 98.0

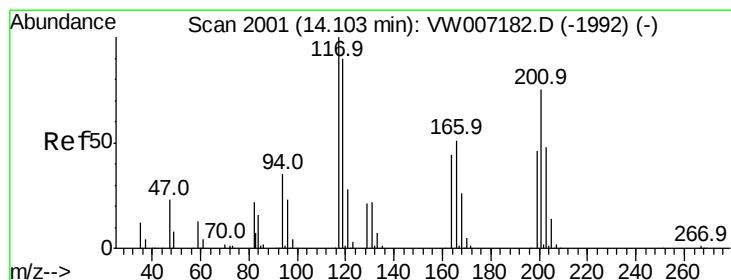
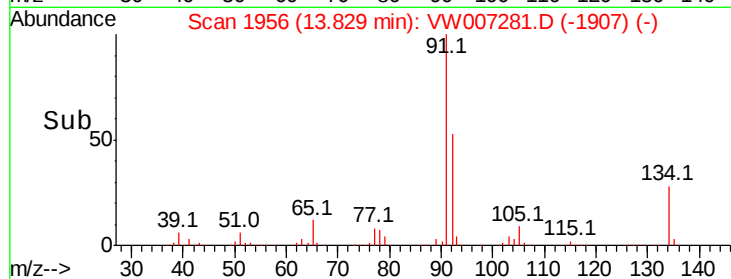
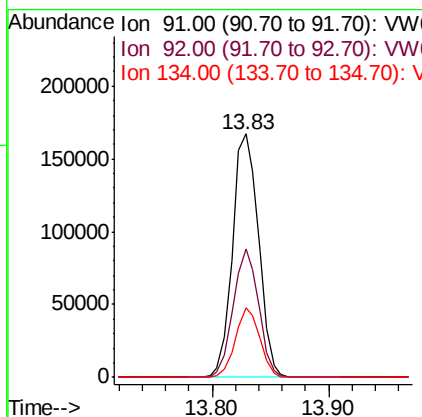
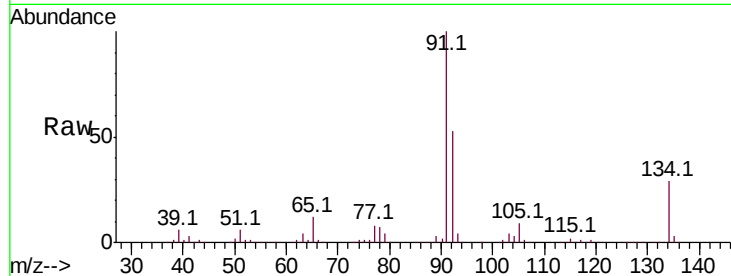




#89
n-Butylbenzene
Concen: 54.188 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

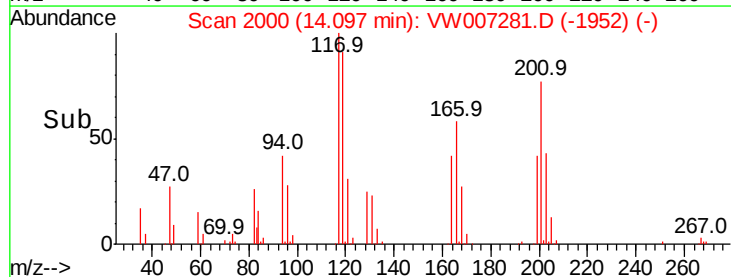
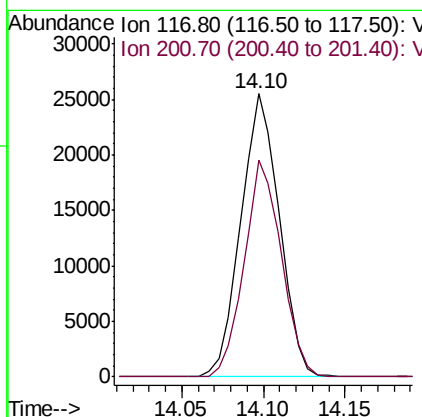
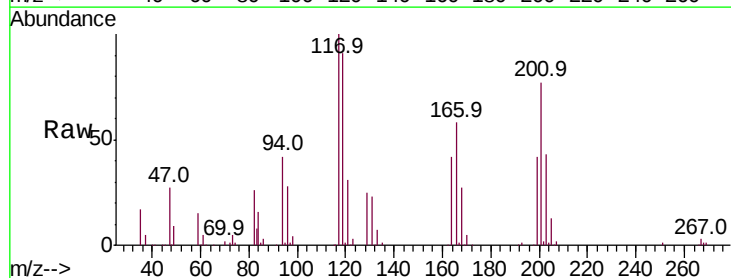
Instrument :
MSVOA_W
ClientSampled :
BFB

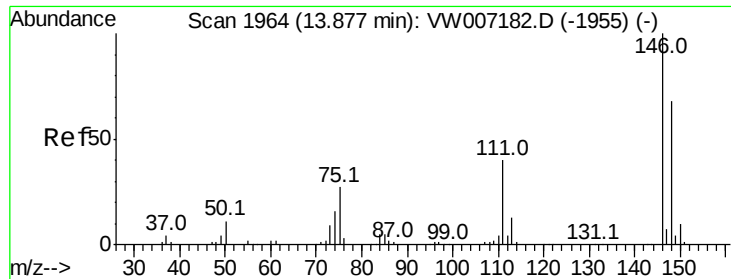
Tot Ion: 91 Resp: 260549
Ion Ratio Lower Upper
91 100
92 51.4 26.5 79.5
134 26.9 14.1 42.2



#90
Hexachloroethane
Concen: 53.502 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW007281.D
Acq: 06 Dec 2018 16:12

Tgt Ion: 117 Resp: 41951
Ion Ratio Lower Upper
117 100
201 74.2 36.0 108.1





#91

1,2-Dichlorobenzene

Concen: 52.991 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampled :

BFB

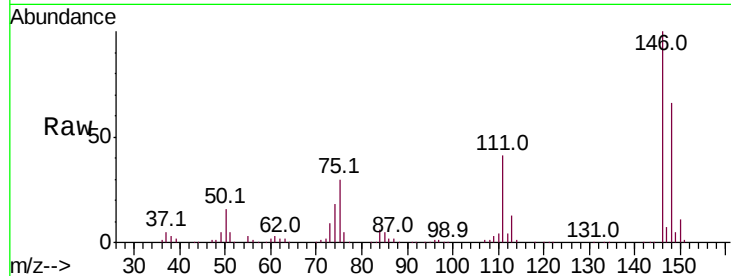
Tot Ion:146 Resp: 110090

Ion Ratio Lower Upper

146 100

111 43.9 21.6 65.0

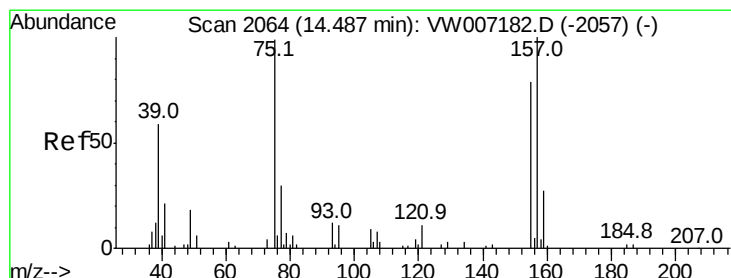
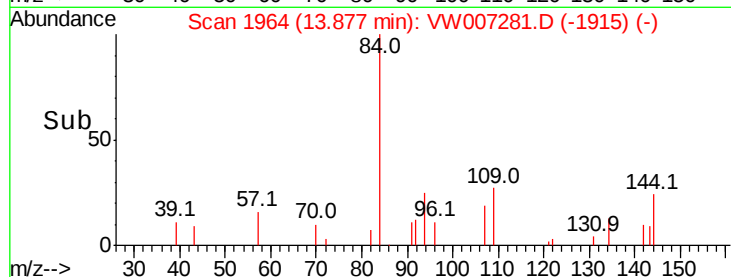
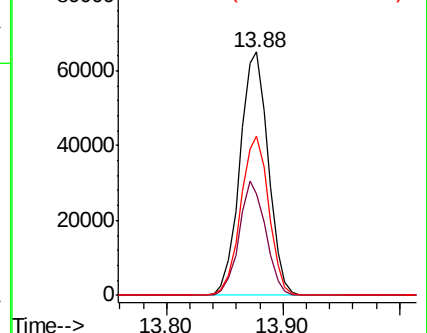
148 65.0 32.7 98.1



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: 50.076 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

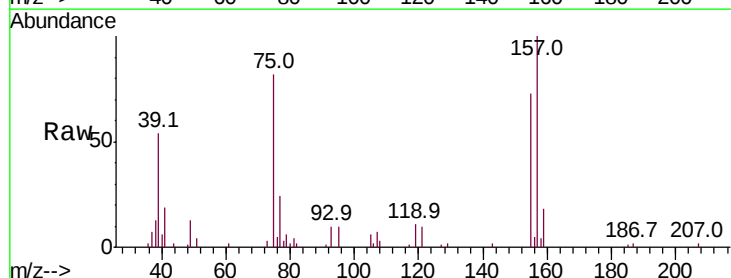
Tgt Ion: 75 Resp: 6823

Ion Ratio Lower Upper

75 100

155 84.9 42.4 127.2

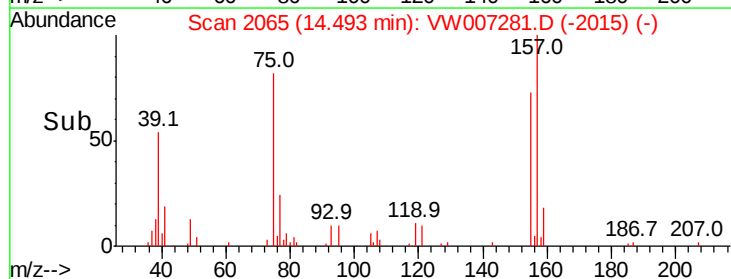
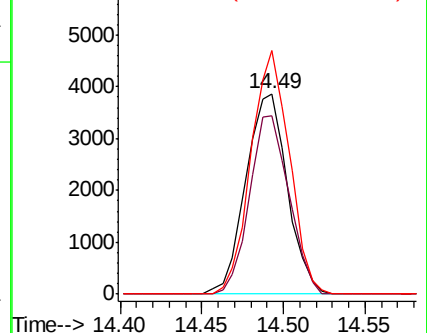
157 112.5 55.3 165.9

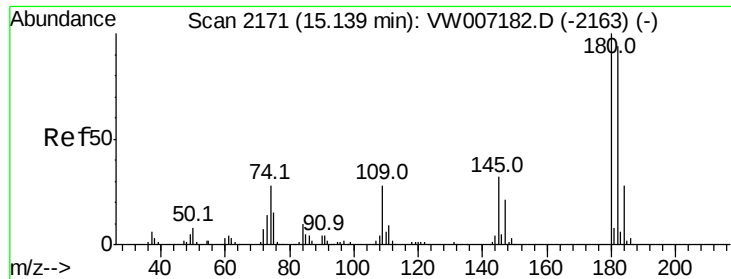


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

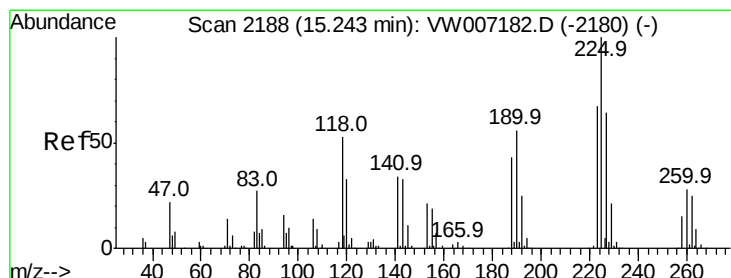
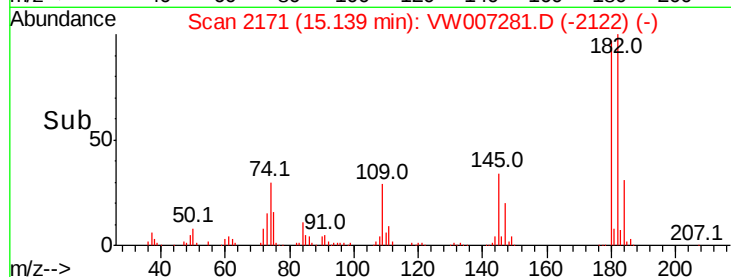
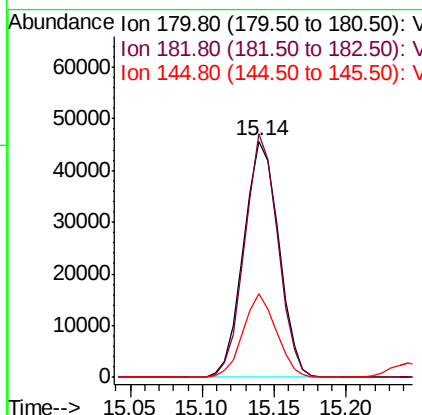
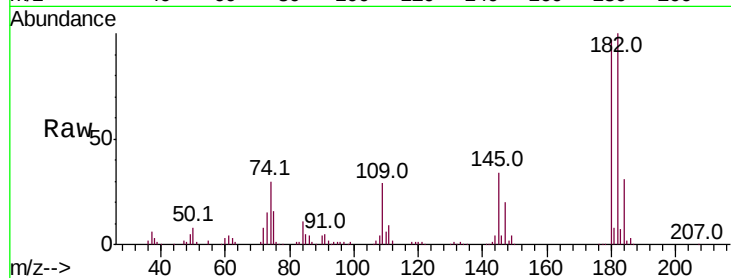




#93
 1,2,4-Trichlorobenzene
 Concen: 53.639 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007281.D
 Acq: 06 Dec 2018 16:12

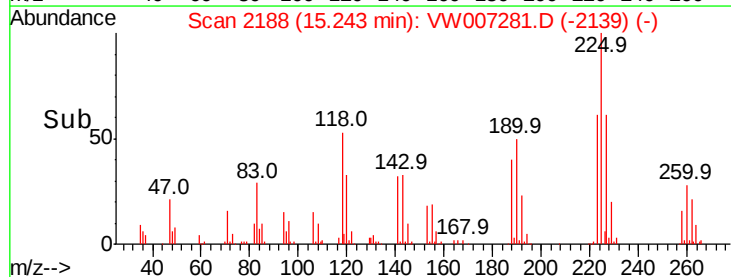
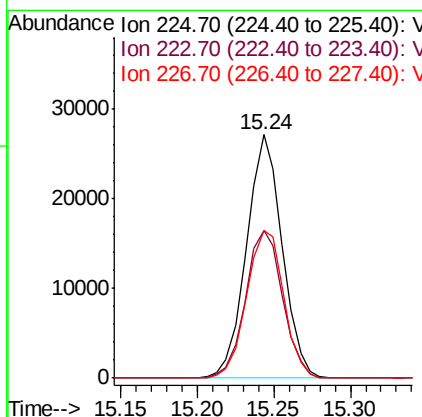
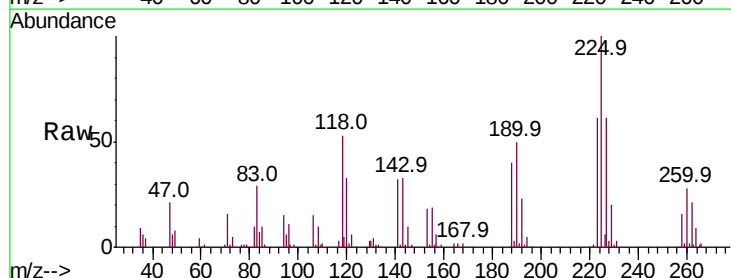
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

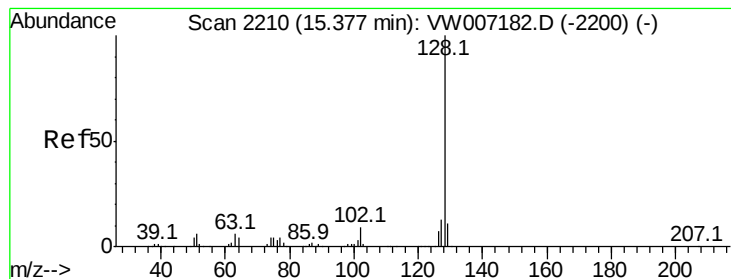
Tot Ion:180 Resp: 77226
 Ion Ratio Lower Upper
 180 100
 182 97.1 47.9 143.8
 145 33.5 16.6 49.7



#94
 Hexachlorobutadiene
 Concen: 56.581 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007281.D
 Acq: 06 Dec 2018 16:12

Tgt Ion:225 Resp: 43929
 Ion Ratio Lower Upper
 225 100
 223 63.1 32.3 96.8
 227 63.2 32.1 96.3





#95

Naphthalene

Concen: 50.494 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

Instrument :

MSVOA_W

ClientSampleId :

BFB

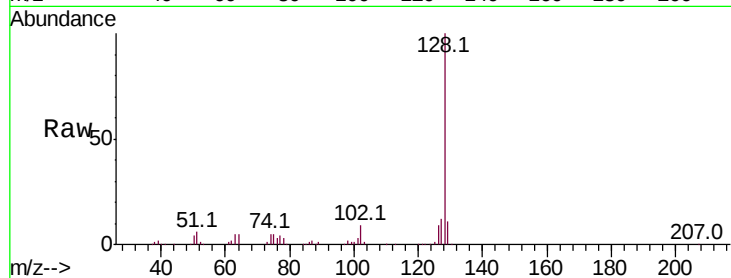
Tot Ion:128 Resp: 130289

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

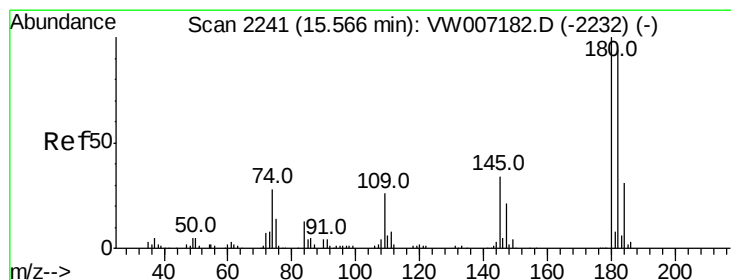
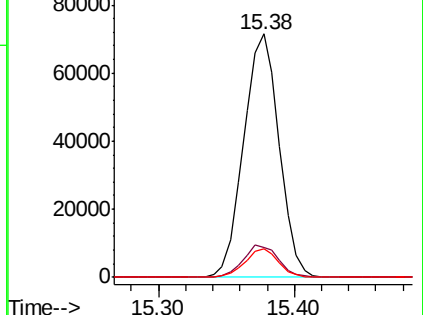
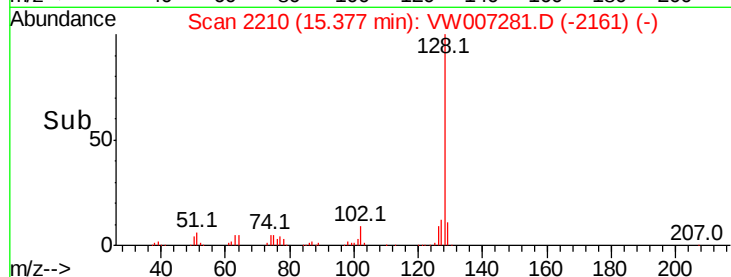
129 11.2 8.6 13.0



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: 53.040 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW007281.D

Acq: 06 Dec 2018 16:12

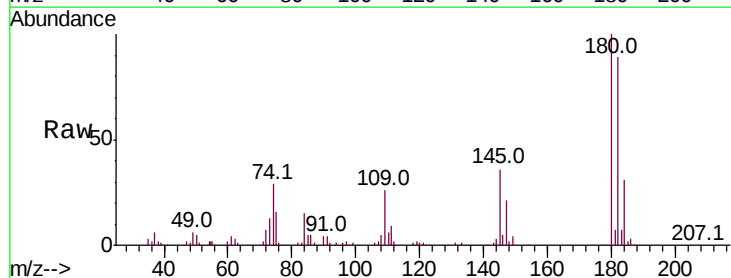
Tgt Ion:180 Resp: 64392

Ion Ratio Lower Upper

180 100

182 91.9 47.4 142.2

145 36.2 17.6 52.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

