

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
 Data File : VW005423.D
 Acq On : 17 Sep 2018 10:26
 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: Sep 18 01:00:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	305307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	445621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	417357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	219503	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	132380	41.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.54%	
35) Dibromofluoromethane	7.89	113	113811	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
50) Toluene-d8	10.33	98	556508	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
62) 4-Bromofluorobenzene	12.63	95	203722	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	129719	50.038	ug/l	99
3) Chloromethane	2.22	50	168996	46.893	ug/l	99
4) Vinyl Chloride	2.36	62	162706	48.197	ug/l	98
5) Bromomethane	2.78	94	99856	48.429	ug/l	98
6) Chloroethane	2.93	64	88306	44.135	ug/l	99
7) Trichlorofluoromethane	3.27	101	204206	45.657	ug/l	100
8) Diethyl Ether	3.70	74	61953	46.610	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	125429	48.089	ug/l	98
10) Methyl Iodide	4.28	142	145357	44.319	ug/l	96
11) Tert butyl alcohol	5.25	59	42476	220.242	ug/l #	71
12) 1,1-Dichloroethene	4.04	96	115182	48.762	ug/l	98
13) Acrolein	3.91	56	36349	268.322	ug/l	97
14) Allyl chloride	4.68	41	223707	50.896	ug/l	96
15) Acrylonitrile	5.39	53	137195	225.661	ug/l	99
16) Acetone	4.15	43	107297	234.307	ug/l	100
17) Carbon Disulfide	4.39	76	390240	46.897	ug/l	99
18) Methyl Acetate	4.69	43	64892	42.612	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	302904	47.226	ug/l	98
20) Methylene Chloride	4.93	84	148254	46.784	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	132973	47.138	ug/l	99
22) Diisopropyl ether	6.32	45	435715	50.428	ug/l	97
23) Vinyl Acetate	6.27	43	1228397	249.499	ug/l	100
24) 1,1-Dichloroethane	6.23	63	248736	47.439	ug/l	98
25) 2-Butanone	7.19	43	177241	232.496	ug/l	97
26) 2,2-Dichloropropane	7.18	77	239434	50.908	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	145354	47.369	ug/l	99
28) Bromochloromethane	7.52	49	92312	45.265	ug/l	95
29) Tetrahydrofuran	7.54	42	113060	232.799	ug/l	98
30) Chloroform	7.68	83	245029	45.128	ug/l	99
31) Cyclohexane	7.96	56	260248	51.451	ug/l	99
32) 1,1,1-Trichloroethane	7.88	97	235693	46.683	ug/l	99
36) 1,1-Dichloropropene	8.09	75	212608	50.413	ug/l	99
37) Ethyl Acetate	7.26	43	79783	46.520	ug/l	99
38) Carbon Tetrachloride	8.07	117	211317	48.086	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	273387	55.789	ug/l	98
40) Benzene	8.33	78	598024	48.952	ug/l	100
41) Methacrylonitrile	7.49	41	48645	47.013	ug/l	97
42) 1,2-Dichloroethane	8.41	62	165411	43.259	ug/l	98
43) Isopropyl Acetate	8.43	43	158493	47.353	ug/l	100
44) Trichloroethene	9.10	130	154308	49.074	ug/l	96
45) 1,2-Dichloropropane	9.37	63	145236	49.759	ug/l	98
46) Dibromomethane	9.46	93	65777	45.811	ug/l	100
47) Bromodichloromethane	9.65	83	184102	47.325	ug/l	99
48) Methyl methacrylate	9.45	41	80874	48.417	ug/l	98
49) 1,4-Dioxane	9.49	88	23130	966.524	ug/l #	99
51) 4-Methyl-2-Pentanone	10.22	43	423462	245.769	ug/l	100
52) Toluene	10.40	92	414741	50.130	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	195416	50.193	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	225714	51.204	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	97531	45.703	ug/l	97
56) Ethyl methacrylate	10.65	69	136056	50.371	ug/l	97
57) 1,3-Dichloropropane	10.94	76	175663	47.688	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	302525	247.630	ug/l	98
59) 2-Hexanone	10.98	43	321940	274.306	ug/l	100
60) Dibromochloromethane	11.13	129	118745	46.247	ug/l	99
61) 1,2-Dibromoethane	11.24	107	90551	47.313	ug/l	99
64) Tetrachloroethene	10.87	164	149194	48.369	ug/l	95
65) Chlorobenzene	11.66	112	441010	49.789	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	138687	48.987	ug/l	98
67) Ethyl Benzene	11.74	91	820770	52.691	ug/l	99
68) m/p-Xylenes	11.85	106	626905	104.570	ug/l	99
69) o-Xylene	12.17	106	293194	52.518	ug/l	99
70) Styrene	12.19	104	482452	52.365	ug/l	100
71) Bromoform	12.35	173	71244	47.569	ug/l #	100
73) Isopropylbenzene	12.47	105	823273	53.460	ug/l	100
74) N-amyl acetate	12.28	43	167381	51.580	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	109480	48.733	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	163357	90.484	ug/l #	100
77) Bromobenzene	12.76	156	178901	49.137	ug/l	98
78) n-propylbenzene	12.81	91	1003005	53.967	ug/l	100
79) 2-Chlorotoluene	12.90	91	568353	51.835	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	705704	52.519	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	36496	52.440	ug/l	99
82) 4-Chlorotoluene	12.99	91	597731	51.637	ug/l	100
83) tert-Butylbenzene	13.21	119	601029	53.853	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	712852	52.254	ug/l	98
85) sec-Butylbenzene	13.39	105	876856	54.375	ug/l	99
86) p-Isopropyltoluene	13.51	119	778953	54.013	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	369565	50.050	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	364056	50.067	ug/l	100
89) n-Butylbenzene	13.83	91	753605	56.117	ug/l	99
90) Hexachloroethane	14.10	117	125996	50.990	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	324216	50.243	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19776	45.834	ug/l	100

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QLast Update : Sat Sep 15 02:32:34 2018
Response via : Initial Calibration

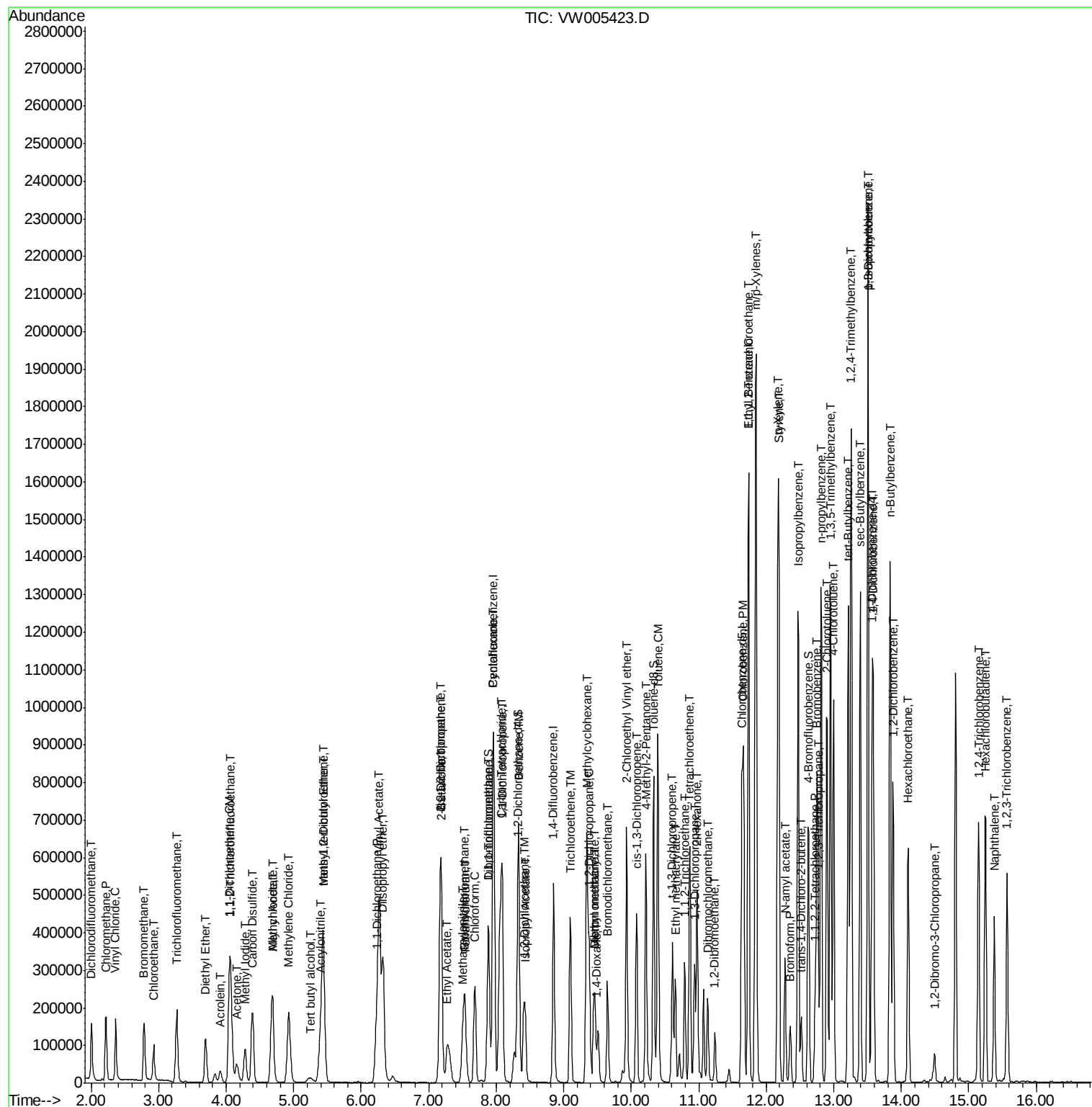
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	229640	53.335	ug/l	99
94) Hexachlorobutadiene	15.25	225	148086	52.668	ug/l	99
95) Naphthalene	15.38	128	371589	51.792	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	192895	51.333	ug/l	99

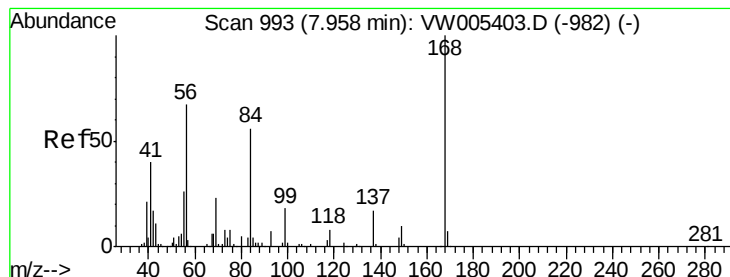
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampled :

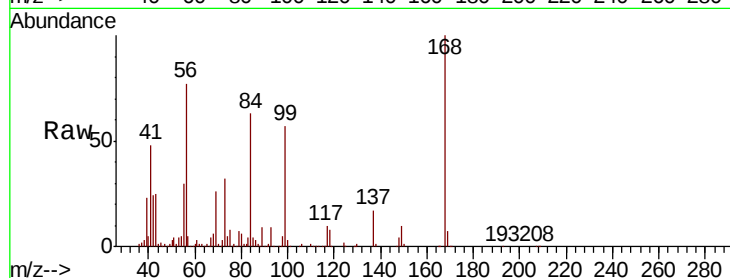
BFB

Tgt Ion:168 Resp: 305307

Ion Ratio Lower Upper

168 100

99 56.6 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

150000

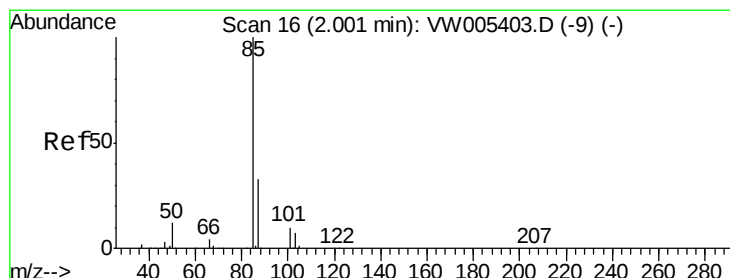
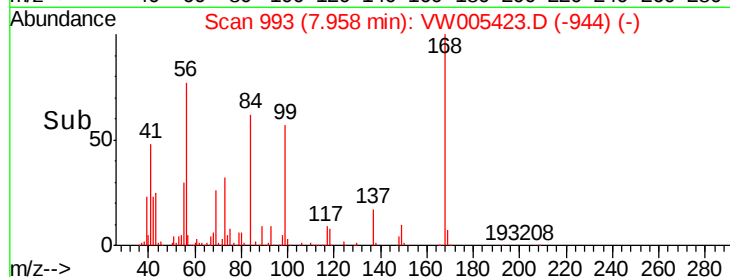
100000

50000

0

7.80 7.90 8.00 8.10 8.20

Time-->



#2

Dichlorodifluoromethane

Concen: 50.038 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW005423.D

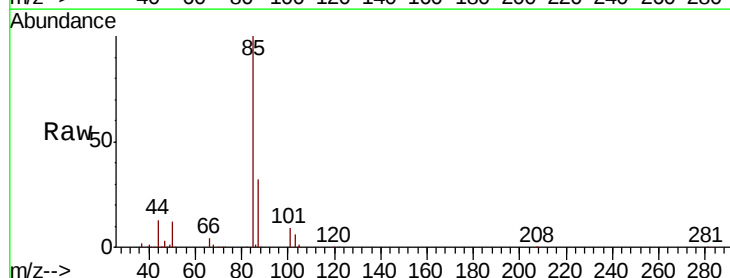
Acq: 17 Sep 2018 10:26

Tgt Ion: 85 Resp: 129719

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

80000

60000

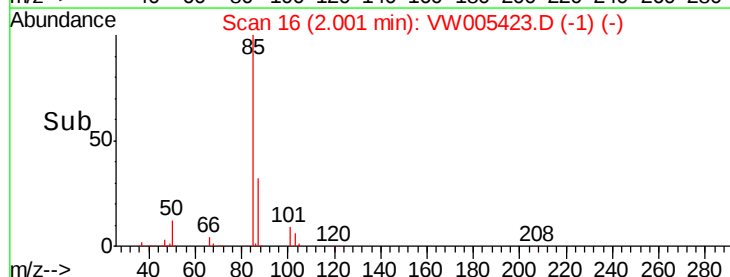
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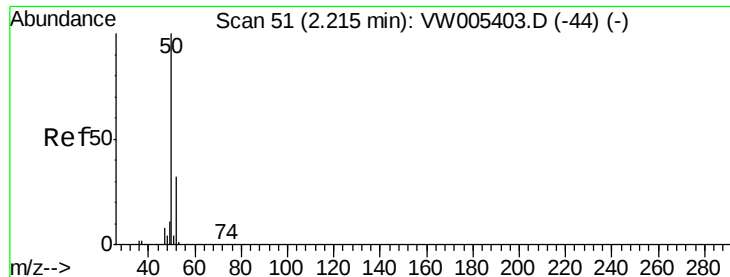
20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 46.893 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampleId :

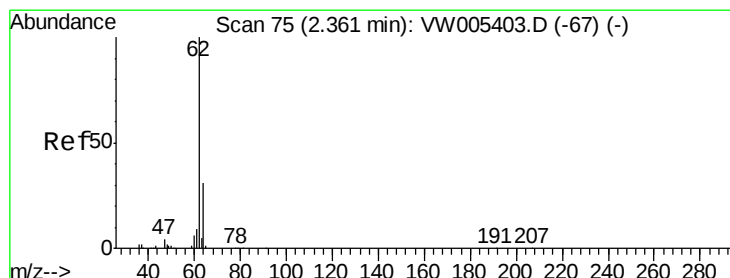
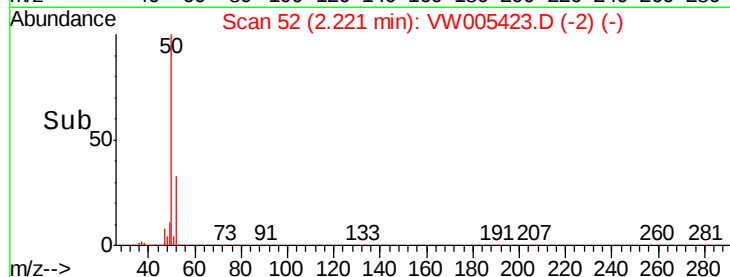
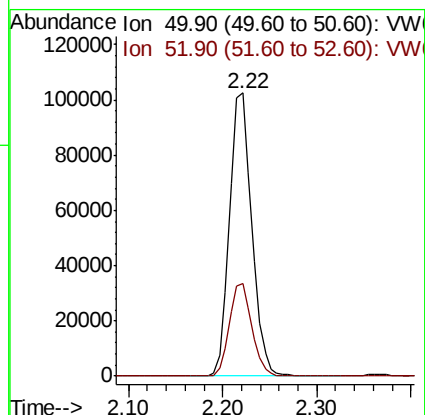
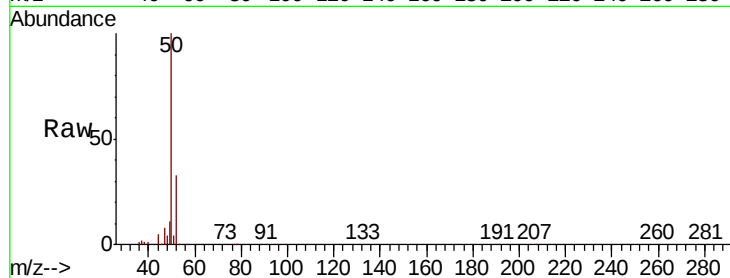
BFB

Tgt Ion: 50 Resp: 168996

Ion Ratio Lower Upper

50 100

52 32.8 25.8 38.6



#4

Vinyl Chloride

Concen: 48.197 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW005423.D

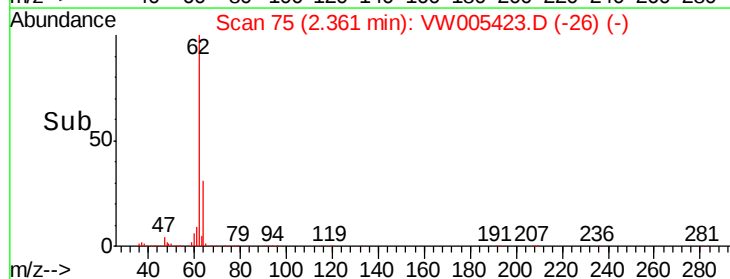
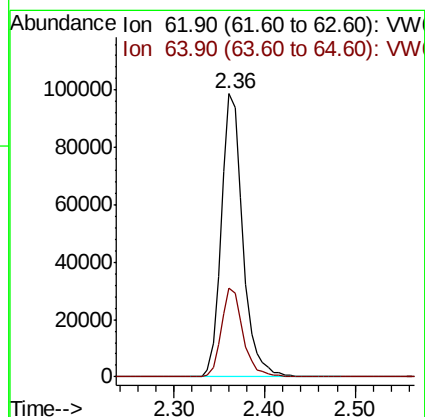
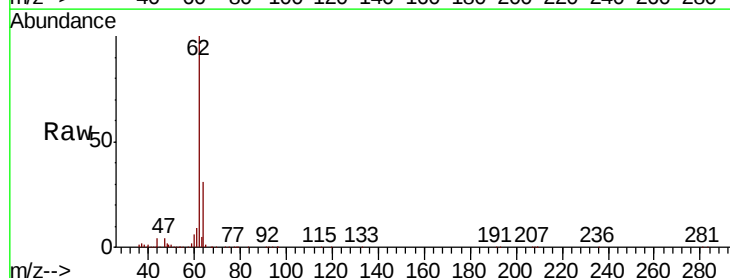
Acq: 17 Sep 2018 10:26

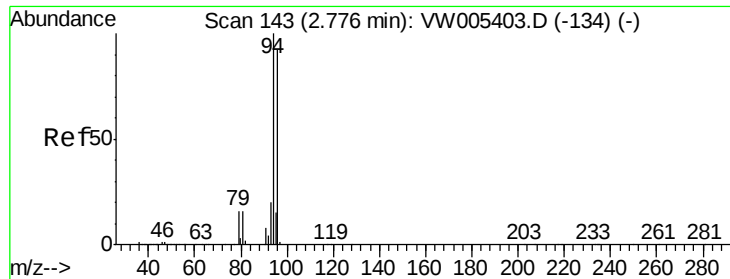
Tgt Ion: 62 Resp: 162706

Ion Ratio Lower Upper

62 100

64 31.4 24.5 36.7





#5

Bromomethane

Concen: 48.429 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampled :

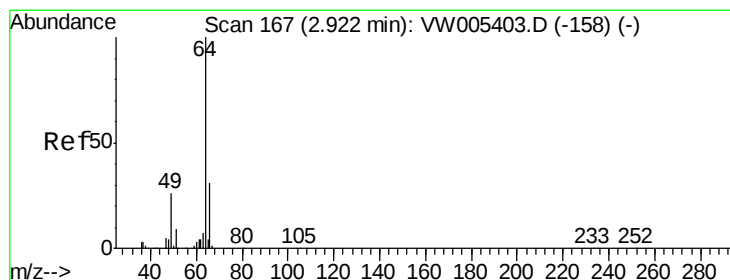
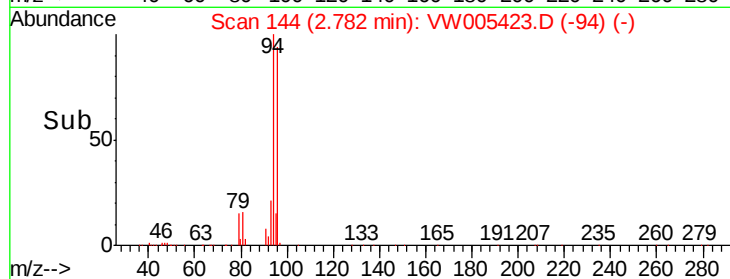
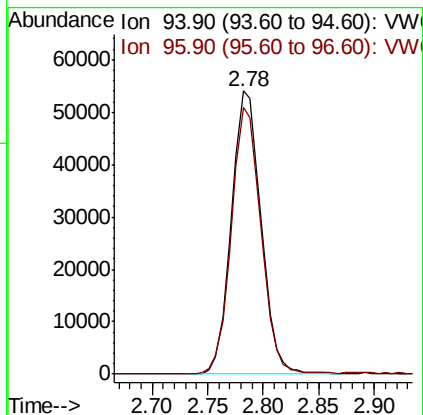
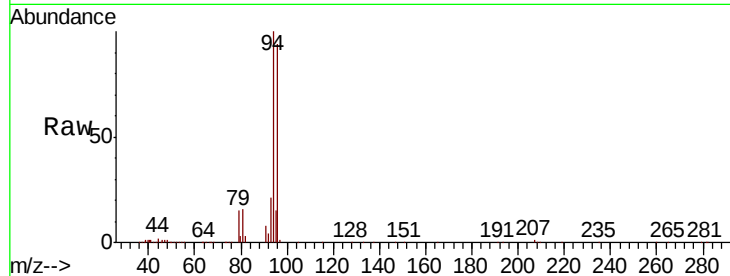
BFB

Tgt Ion: 94 Resp: 99856

Ion Ratio Lower Upper

94 100

96 93.7 73.7 110.5



#6

Chloroethane

Concen: 44.135 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW005423.D

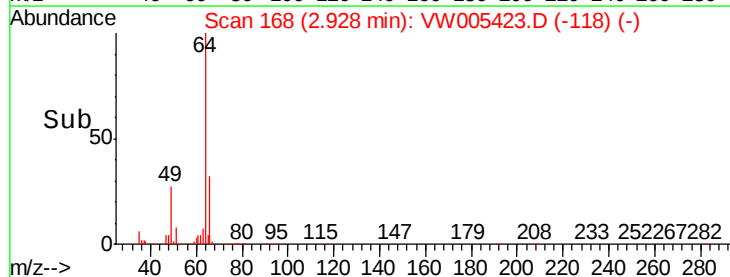
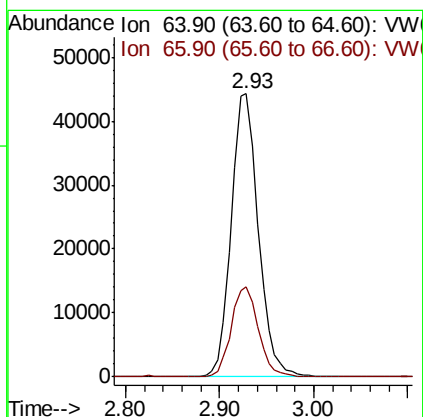
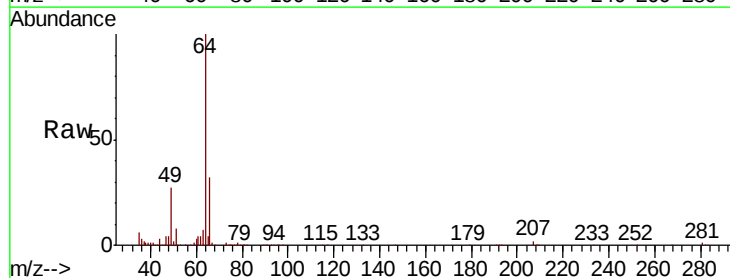
Acq: 17 Sep 2018 10:26

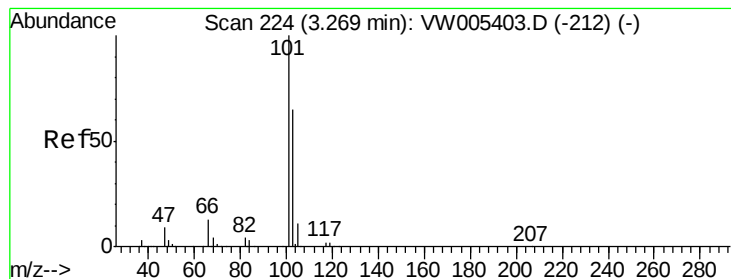
Tgt Ion: 64 Resp: 88306

Ion Ratio Lower Upper

64 100

66 31.9 25.2 37.8



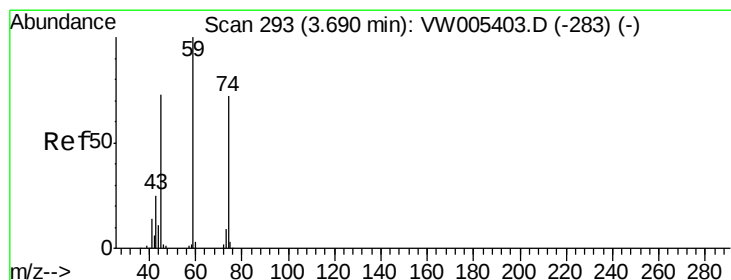
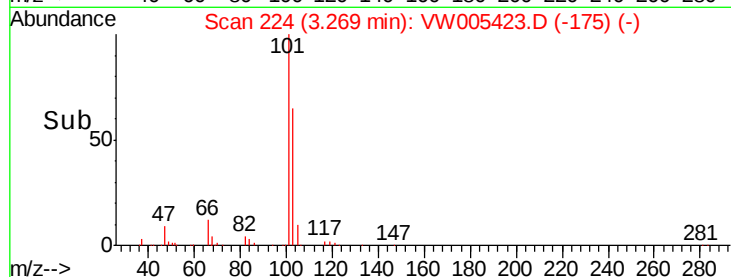
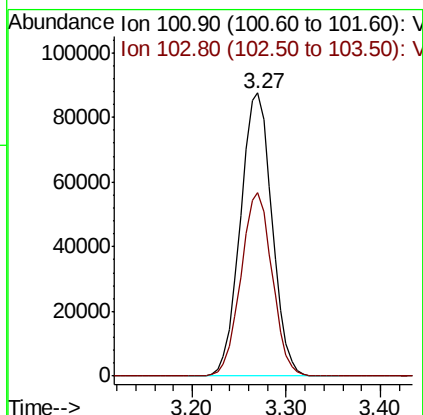
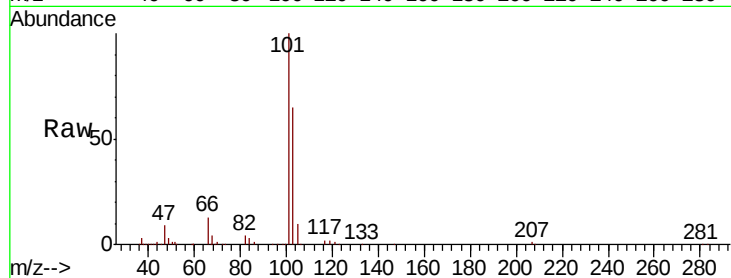


#7

Trichlorofluoromethane
 Concen: 45.657 ug/l
 RT: 3.27 min Scan# 224
 Delta R.T. 0.00 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

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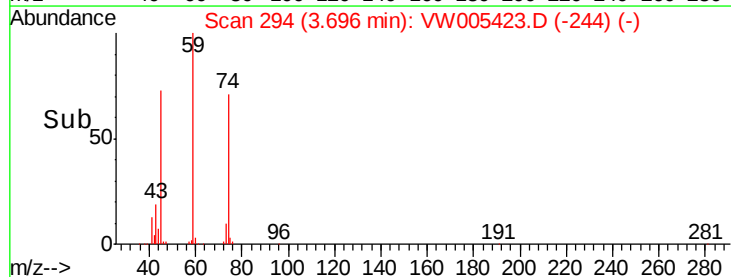
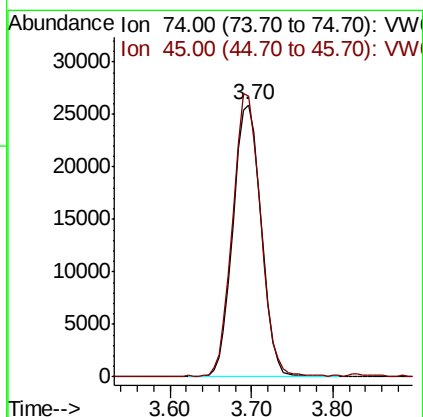
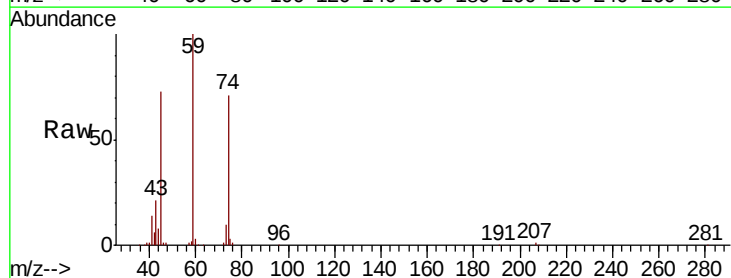
Tgt Ion: 101 Resp: 204206
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.7 77.5

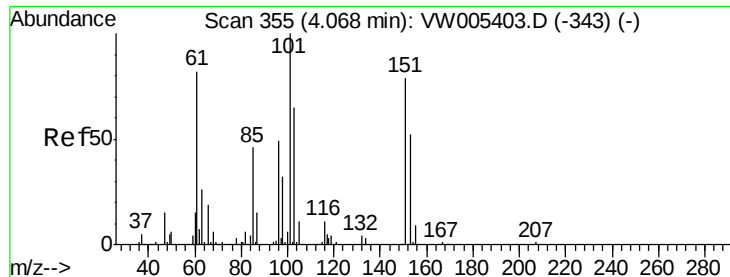


#8

Diethyl Ether
 Concen: 46.610 ug/l
 RT: 3.70 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

Tgt Ion: 74 Resp: 61953
 Ion Ratio Lower Upper
 74 100
 45 103.0 53.1 159.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.089 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

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ClientSampleId :

BFB

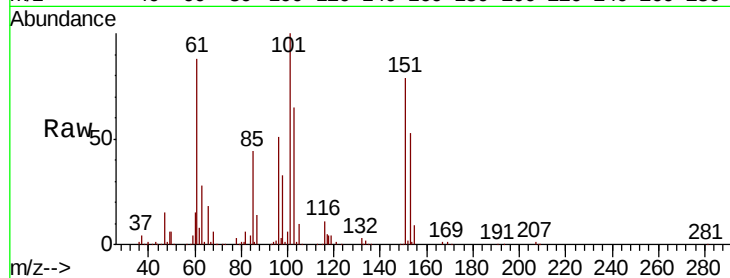
Tgt Ion:101 Resp: 125429

Ion Ratio Lower Upper

101 100

85 44.6 36.6 54.8

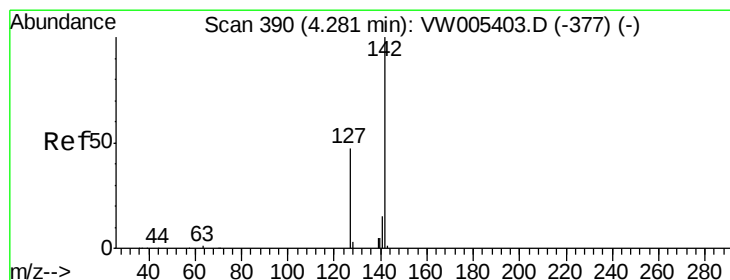
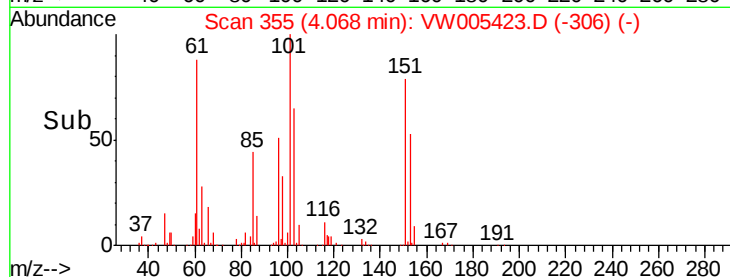
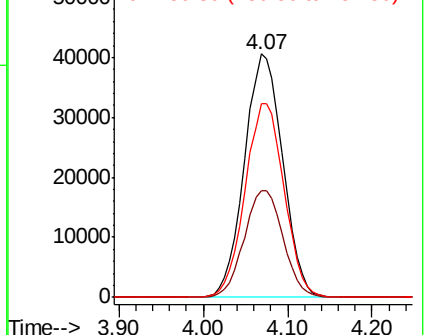
151 81.2 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.319 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

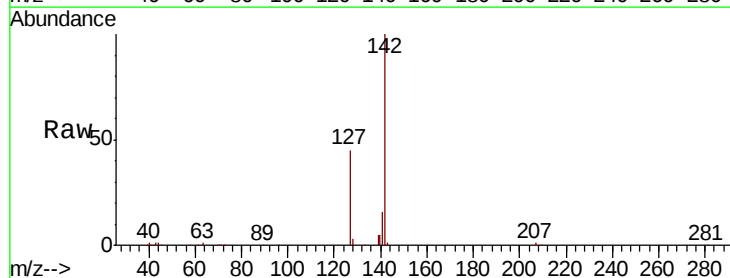
Tgt Ion:142 Resp: 145357

Ion Ratio Lower Upper

142 100

127 43.7 37.5 56.3

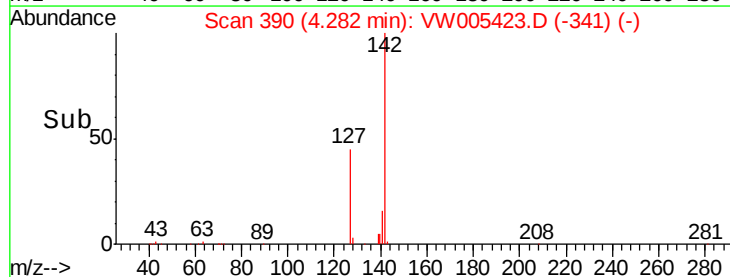
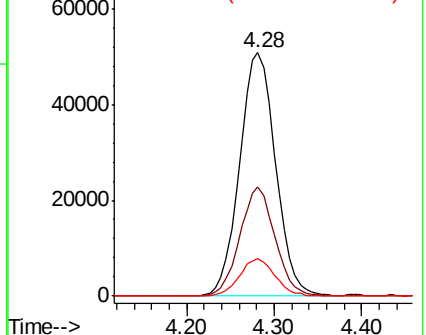
141 15.0 12.4 18.6

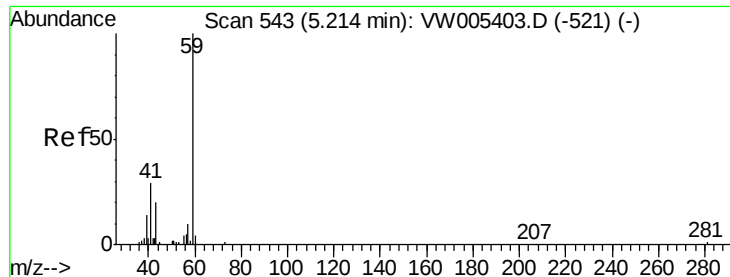


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

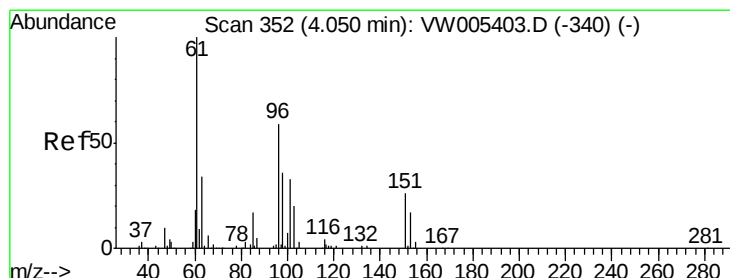
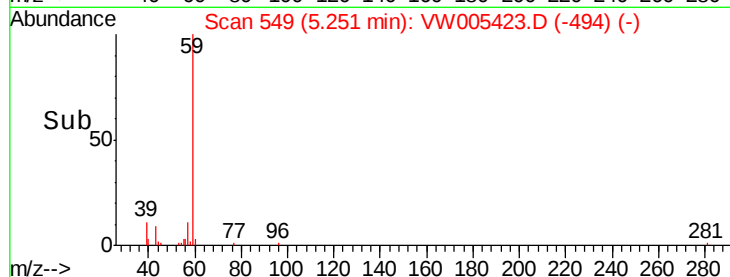
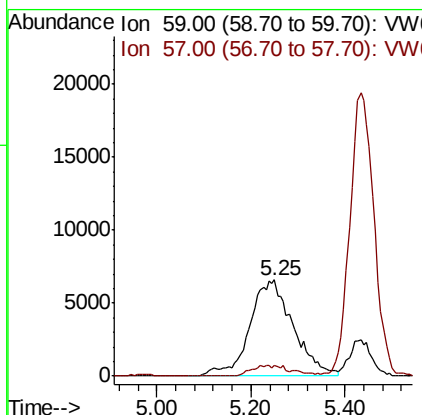
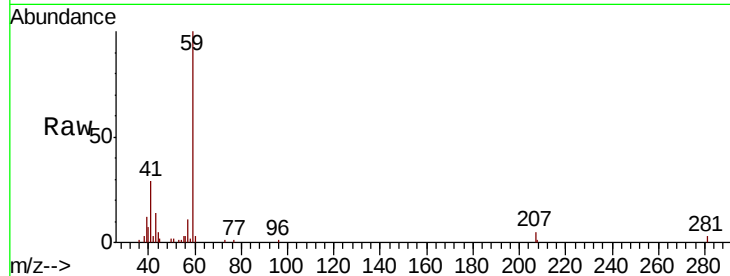




#11
Tert butyl alcohol
Concen: 220.242 ug/l
RT: 5.25 min Scan# 549
Delta R.T. 0.04 min
Lab File: VW005423.D
Acq: 17 Sep 2018 10:26

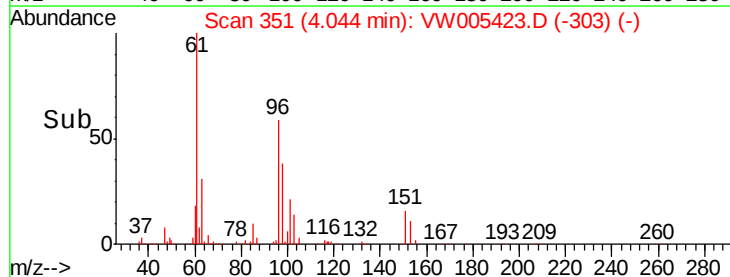
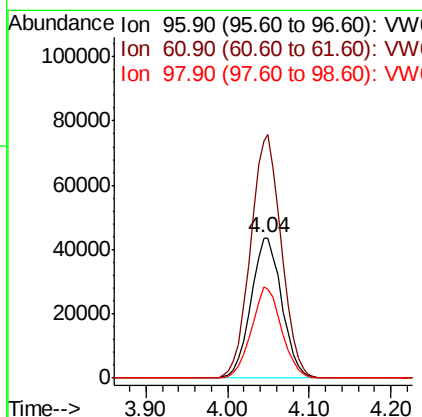
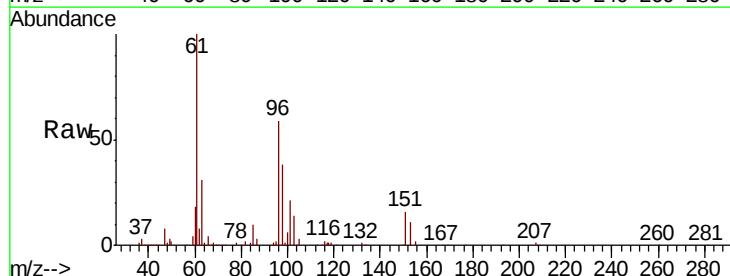
Instrument :
MSVOA_W
ClientSampled :
BFB

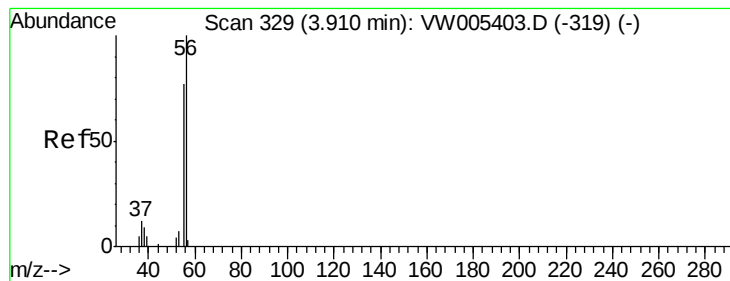
Tgt Ion: 59 Resp: 42476
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#12
1,1-Dichloroethene
Concen: 48.762 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.01 min
Lab File: VW005423.D
Acq: 17 Sep 2018 10:26

Tgt Ion: 96 Resp: 115182
Ion Ratio Lower Upper
96 100
61 168.6 135.7 203.5
98 64.6 48.6 73.0





#13

Acrolein

Concen: 268.322 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampled :

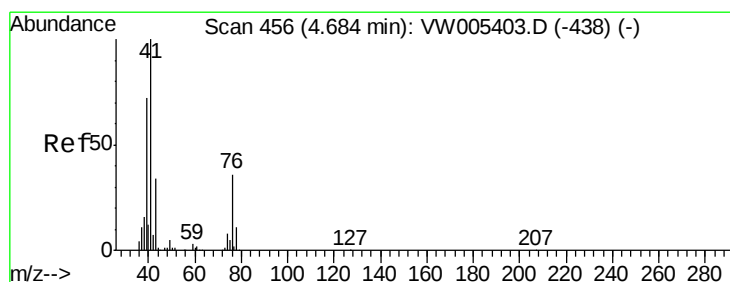
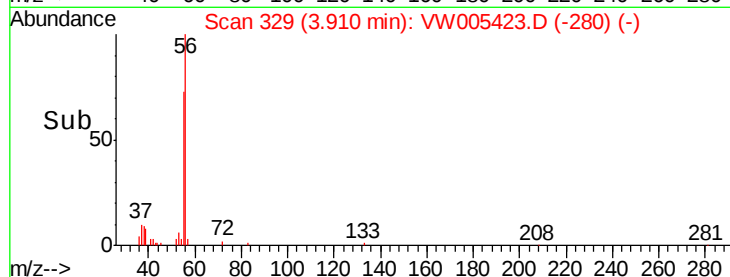
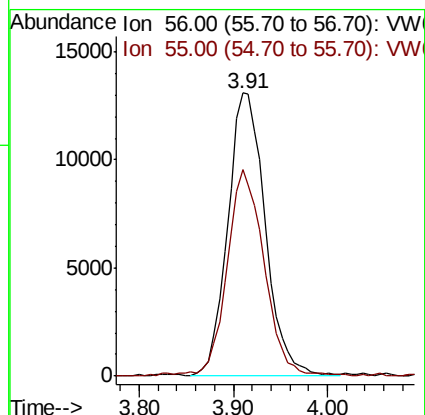
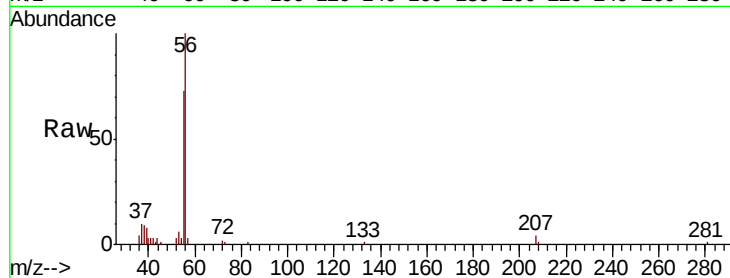
BFB

Tgt Ion: 56 Resp: 36349

Ion Ratio Lower Upper

56 100

55 72.0 59.8 89.8



#14

Allyl chloride

Concen: 50.896 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

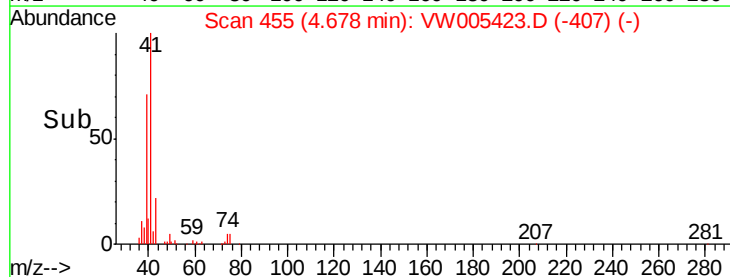
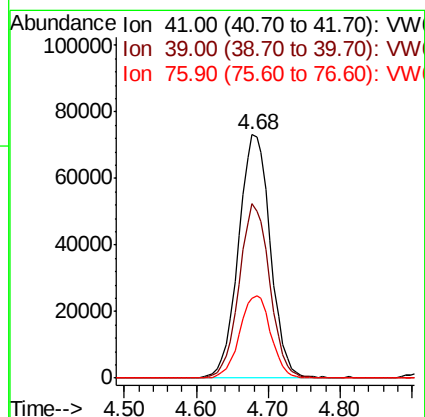
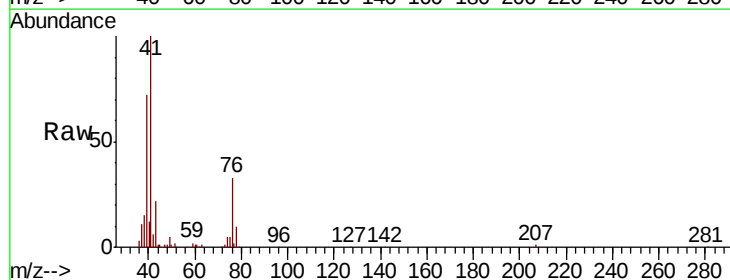
Tgt Ion: 41 Resp: 223707

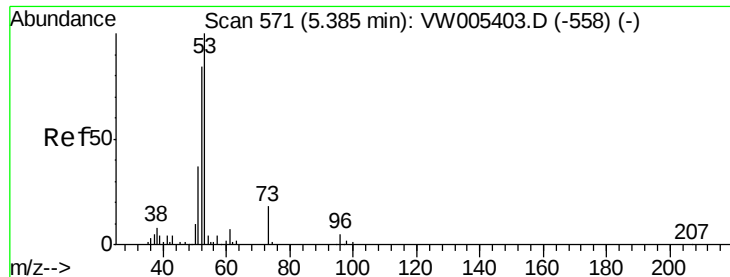
Ion Ratio Lower Upper

41 100

39 69.1 58.6 88.0

76 33.0 27.4 41.0





#15

Acrylonitrile

Concen: 225.661 ug/l

RT: 5.39 min Scan# 572

Delta R.T. 0.01 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampleId :

BFB

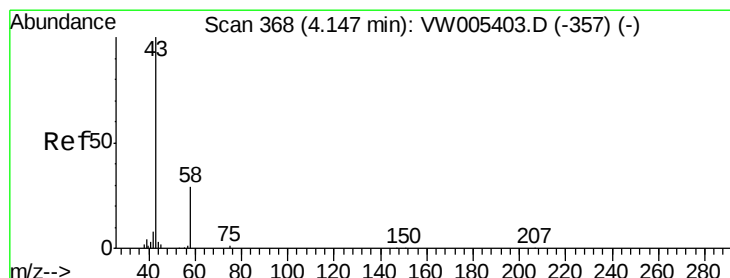
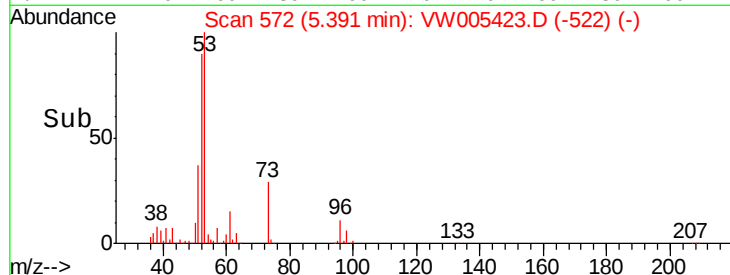
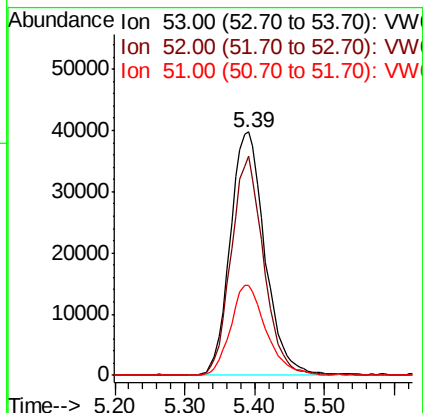
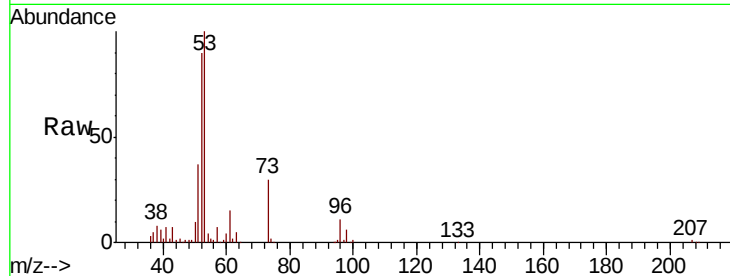
Tgt Ion: 53 Resp: 137195

Ion Ratio Lower Upper

53 100

52 84.2 66.6 99.8

51 38.0 31.1 46.7



#16

Acetone

Concen: 234.307 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW005423.D

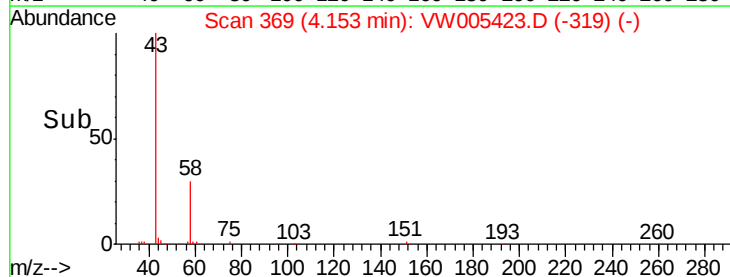
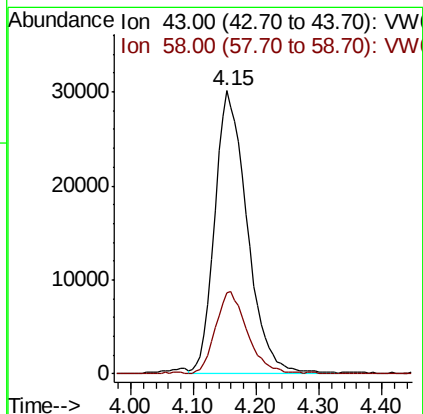
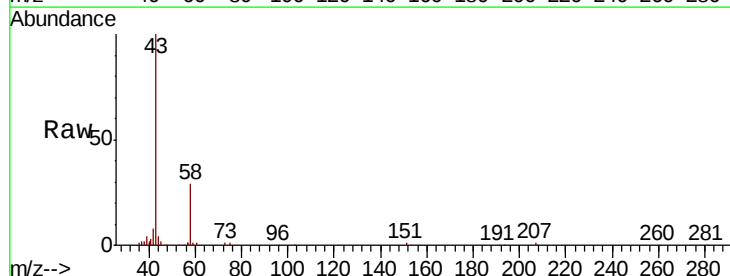
Acq: 17 Sep 2018 10:26

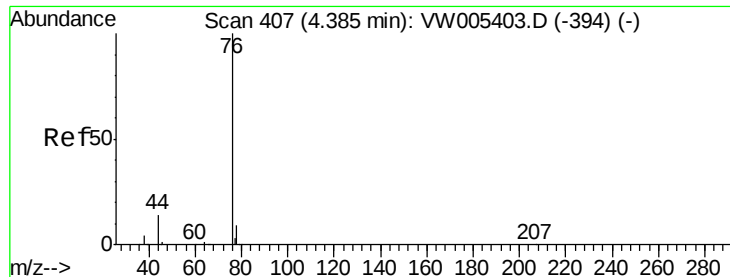
Tgt Ion: 43 Resp: 107297

Ion Ratio Lower Upper

43 100

58 28.6 22.8 34.2

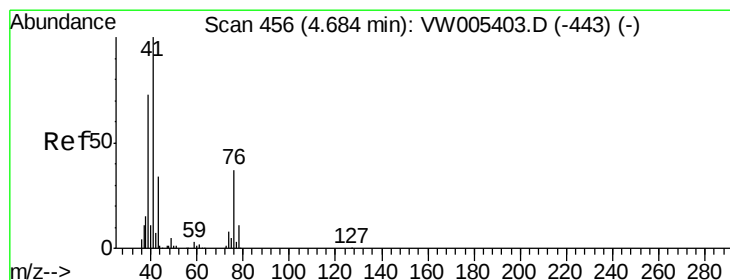
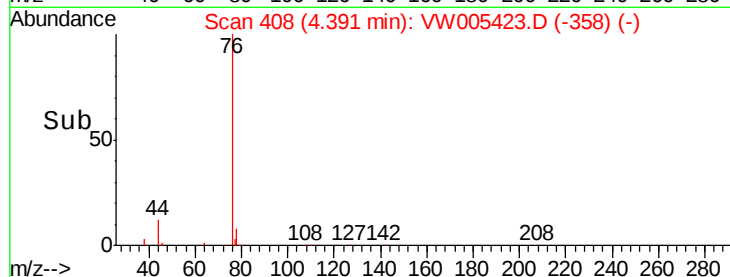
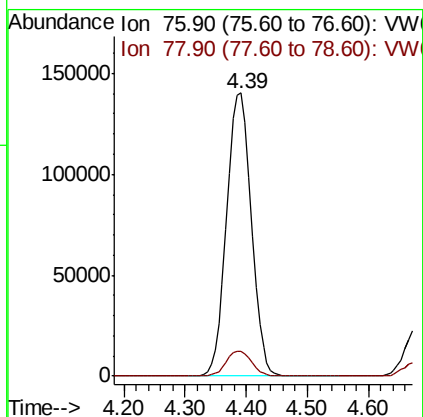
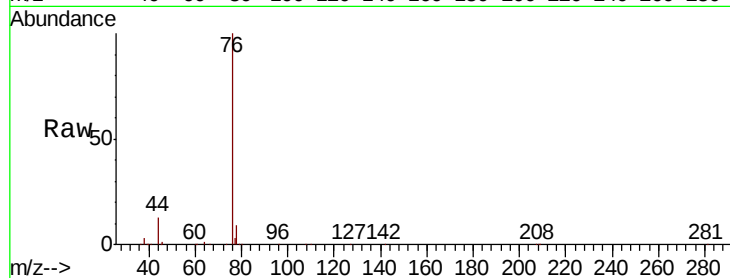




#17
Carbon Disulfide
Concen: 46.897 ug/l
RT: 4.39 min Scan# 408
Delta R.T. 0.01 min
Lab File: VW005423.D
Acq: 17 Sep 2018 10:26

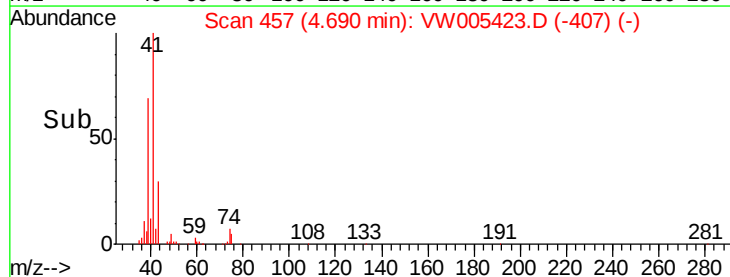
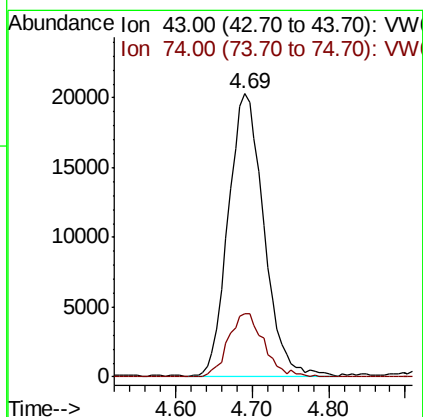
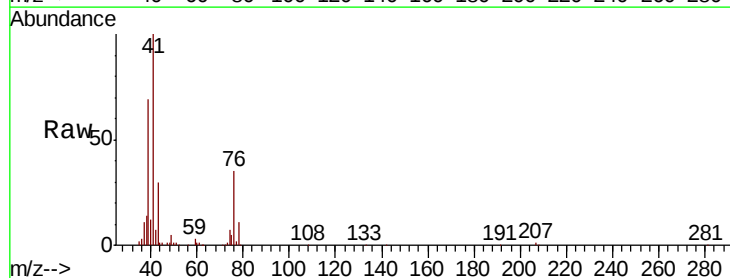
Instrument :
MSVOA_W
ClientSampleId :
BFB

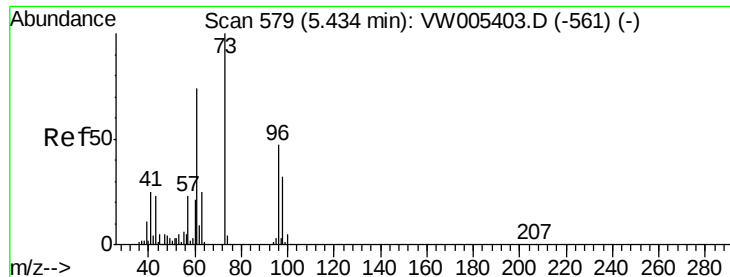
Tgt Ion: 76 Resp: 390240
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 42.612 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW005423.D
Acq: 17 Sep 2018 10:26

Tgt Ion: 43 Resp: 64892
Ion Ratio Lower Upper
43 100
74 22.8 17.7 26.5



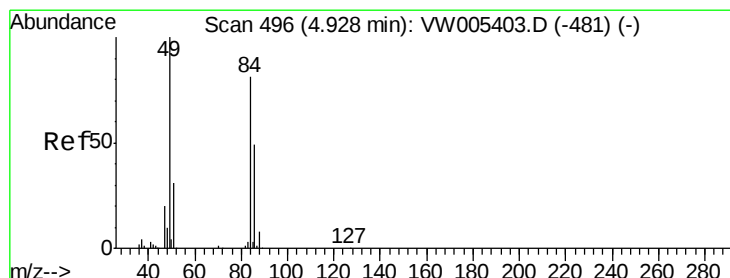
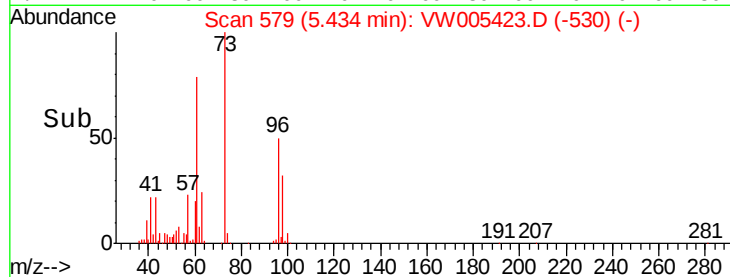
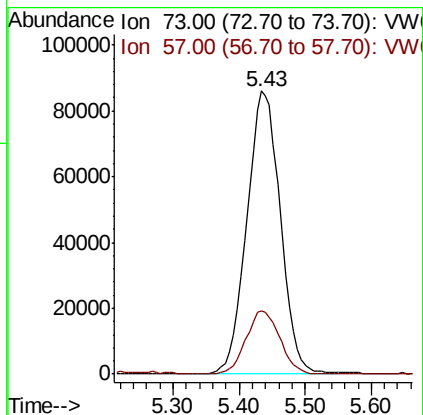
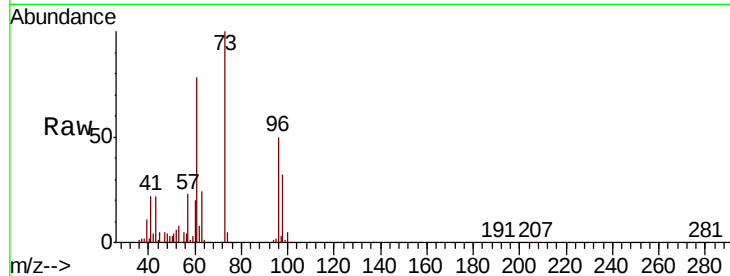


#19

Methyl tert-butyl Ether
 Concen: 47.226 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

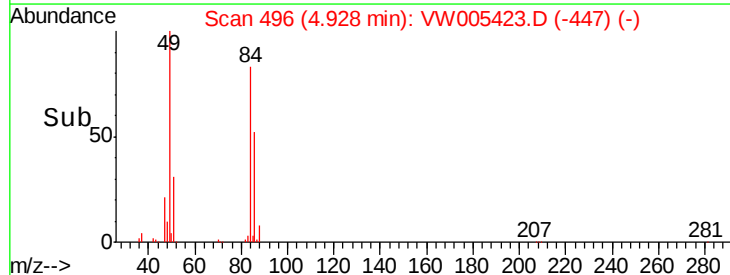
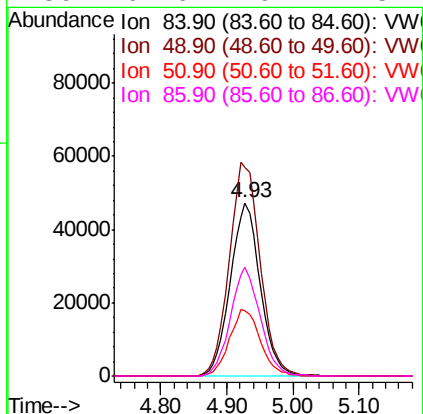
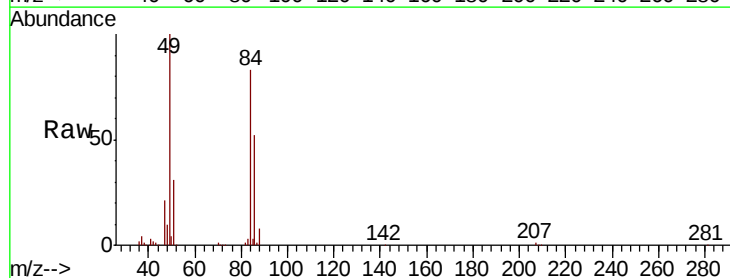
Tgt Ion: 73 Resp: 302904
 Ion Ratio Lower Upper
 73 100
 57 22.4 18.6 28.0

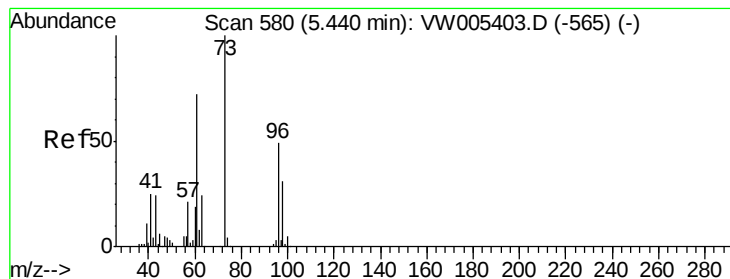


#20

Methylene Chloride
 Concen: 46.784 ug/l
 RT: 4.93 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

Tgt Ion: 84 Resp: 148254
 Ion Ratio Lower Upper
 84 100
 49 120.5 99.3 148.9
 51 37.7 31.1 46.7
 86 62.6 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 47.138 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampled :

BFB

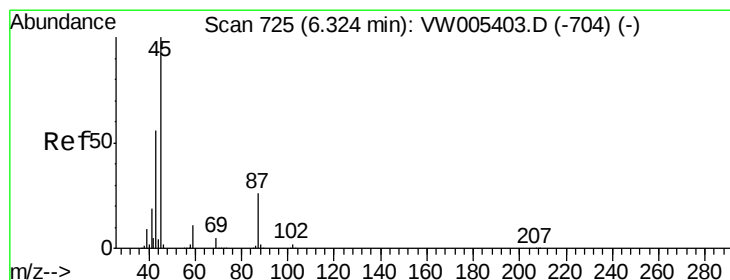
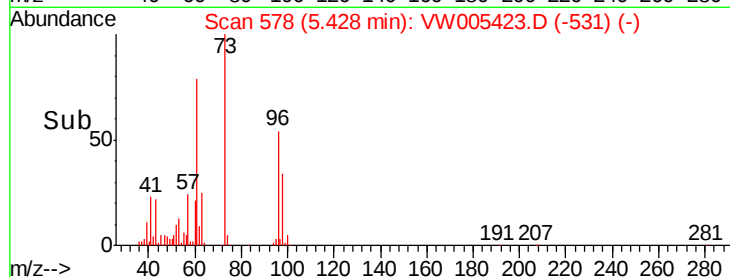
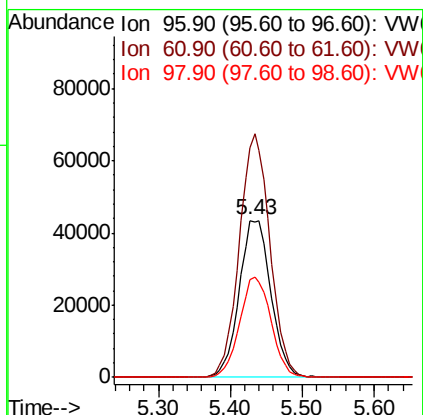
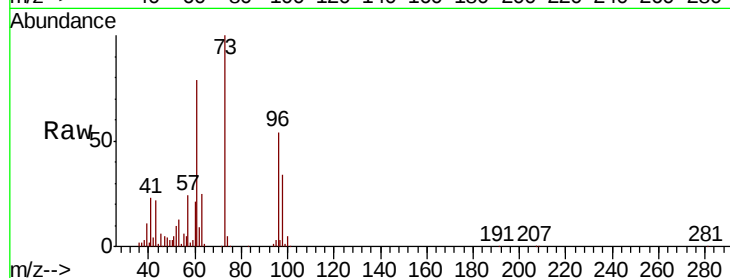
Tgt Ion: 96 Resp: 132973

Ion Ratio Lower Upper

96 100

61 146.5 116.7 175.1

98 62.6 51.0 76.6



#22

Diisopropyl ether

Concen: 50.428 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.01 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Tgt Ion: 45 Resp: 435715

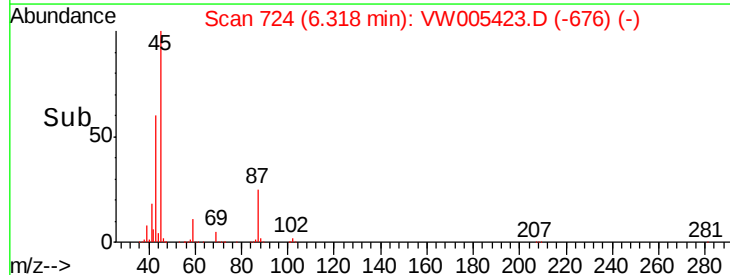
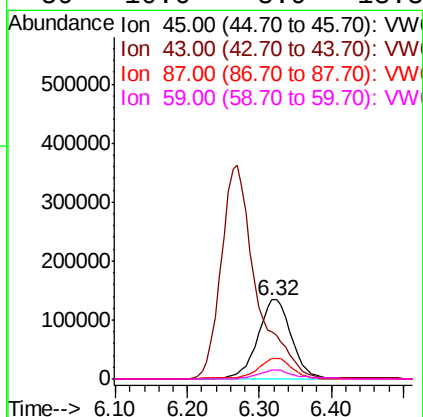
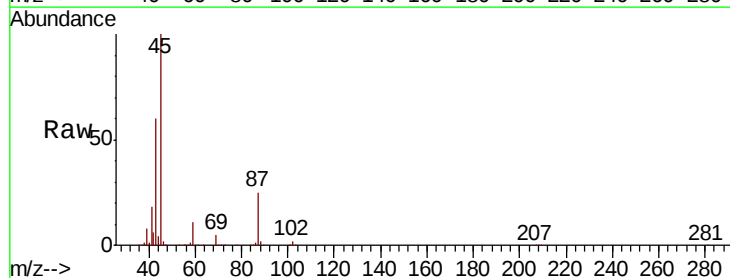
Ion Ratio Lower Upper

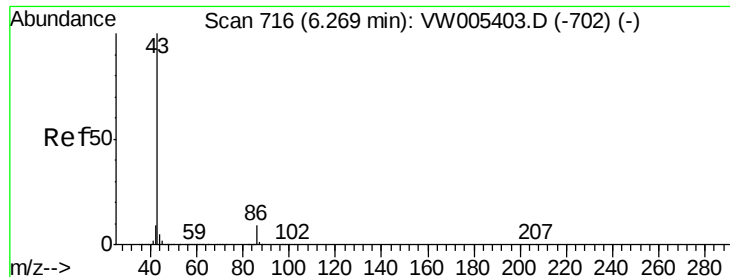
45 100

43 59.5 44.6 67.0

87 25.3 20.6 31.0

59 10.6 8.9 13.3





#23

Vinyl Acetate

Concen: 249.499 ug/l

RT: 6.27 min Scan# 716

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampleId :

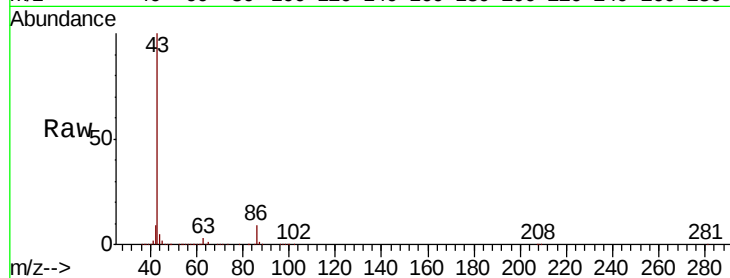
BFB

Tgt Ion: 43 Resp: 1228397

Ion Ratio Lower Upper

43 100

86 9.4 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.27

400000

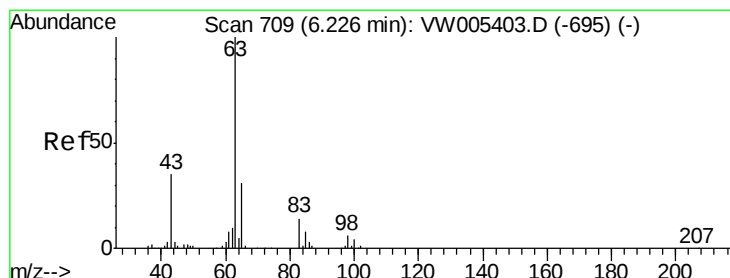
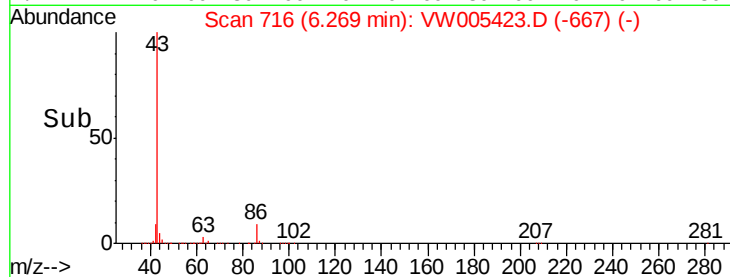
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.439 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

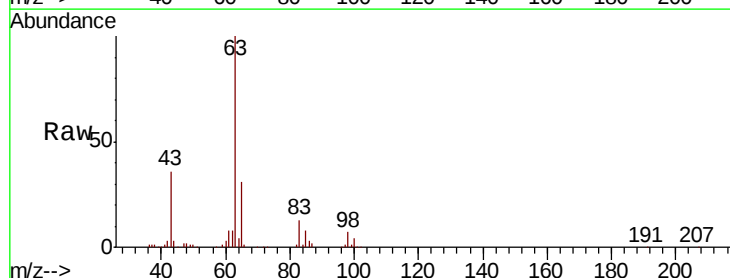
Tgt Ion: 63 Resp: 248736

Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.8

100 4.1 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.23

100000

80000

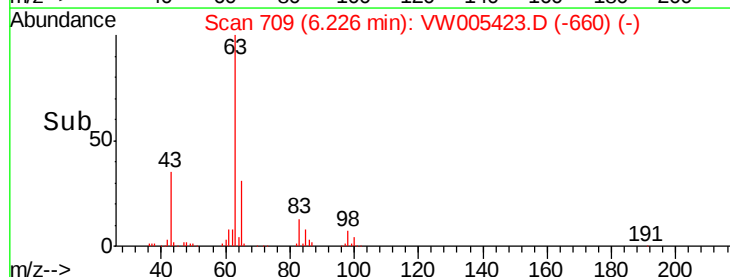
60000

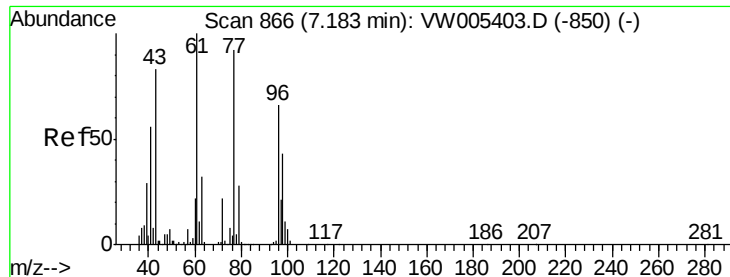
40000

20000

0

Time-->





#25

2-Butanone

Concen: 232.496 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampled :

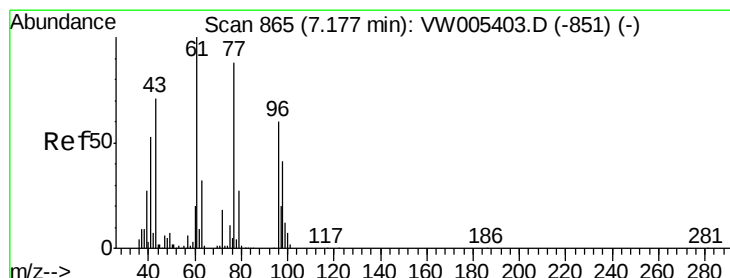
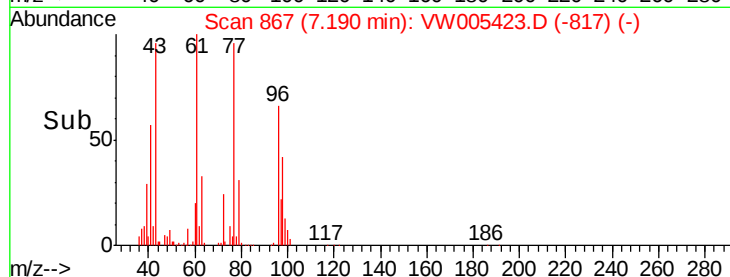
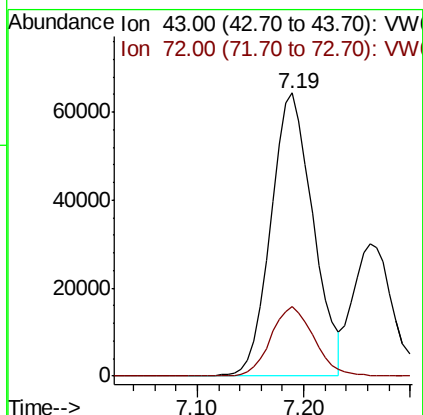
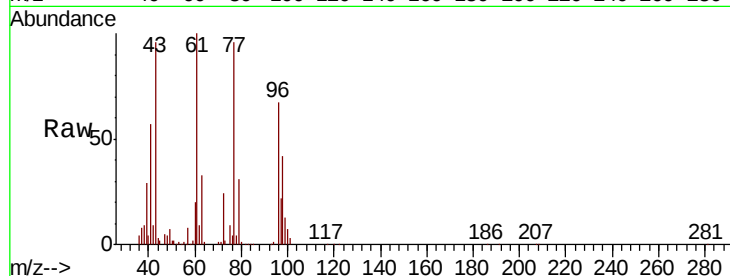
BFB

Tgt Ion: 43 Resp: 177241

Ion Ratio Lower Upper

43 100

72 24.7 21.1 31.7



#26

2,2-Dichloropropane

Concen: 50.908 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW005423.D

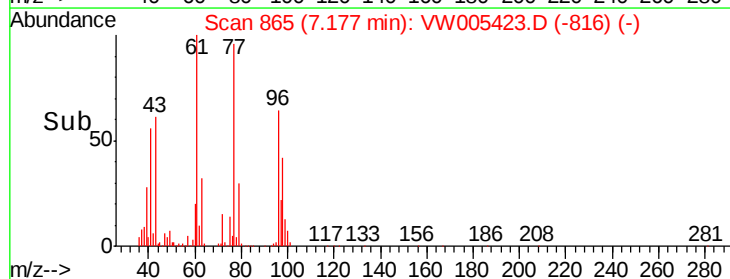
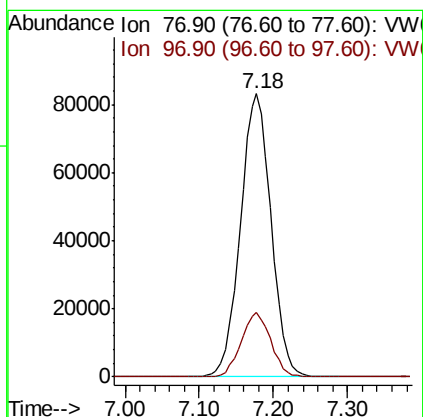
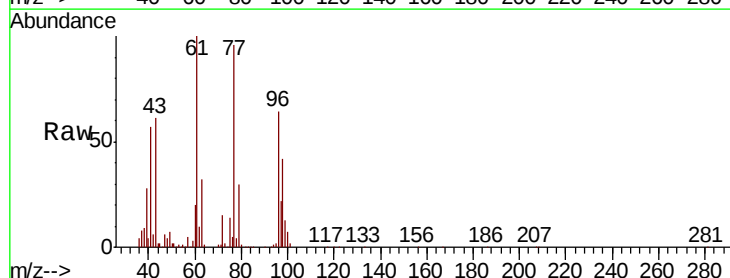
Acq: 17 Sep 2018 10:26

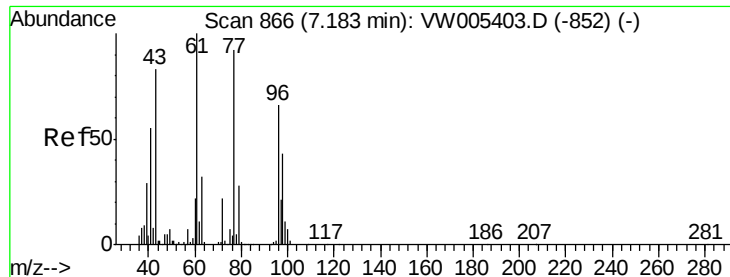
Tgt Ion: 77 Resp: 239434

Ion Ratio Lower Upper

77 100

97 22.0 10.7 32.1



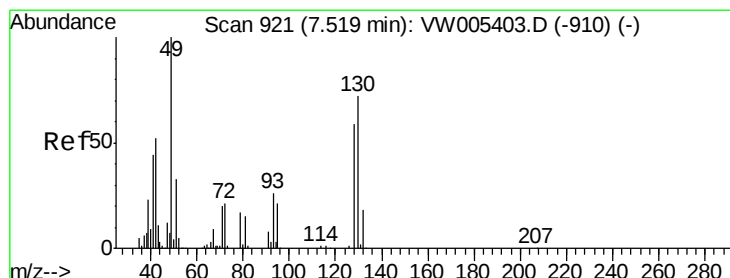
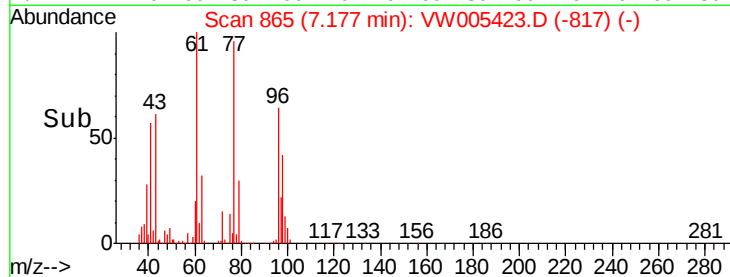
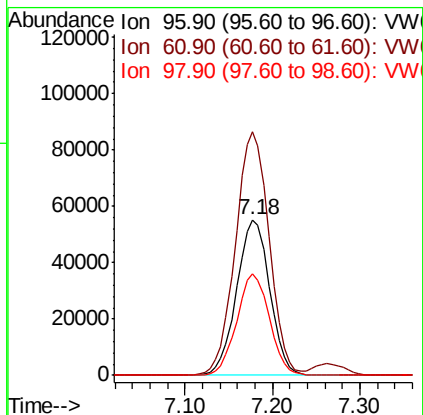
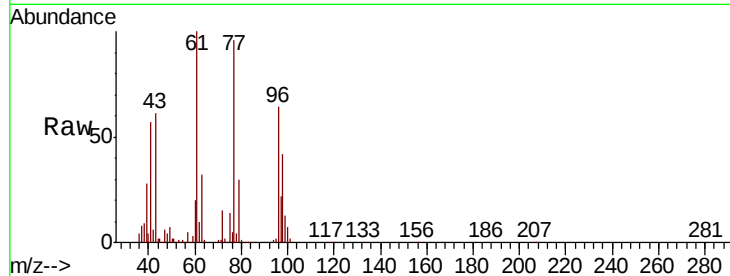


#27

cis-1,2-Dichloroethene
Concen: 47.369 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.01 min
Lab File: VW005423.D
Acq: 17 Sep 2018 10:26

Instrument :
MSVOA_W
ClientSampleId :
BFB

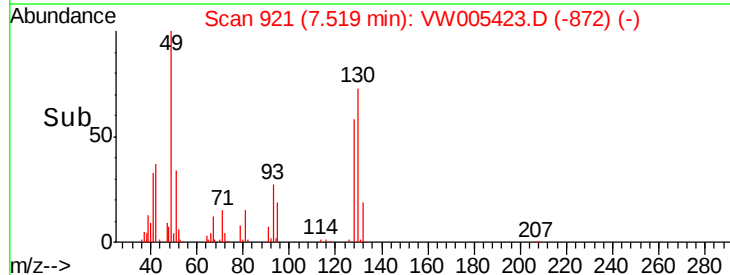
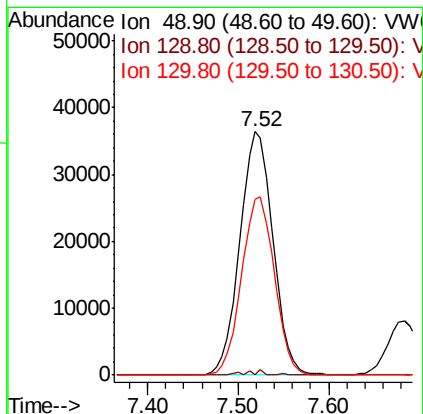
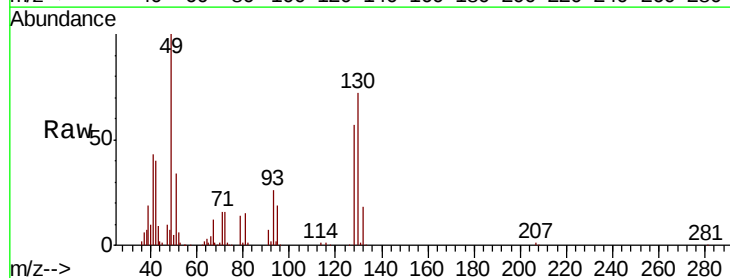
Tgt Ion: 96 Resp: 145354
Ion Ratio Lower Upper
96 100
61 159.4 0.0 316.0
98 64.2 0.0 130.8

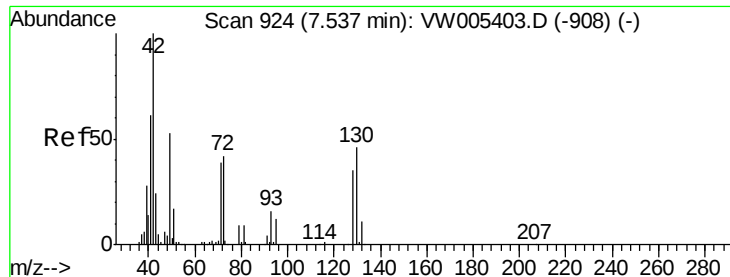


#28

Bromochloromethane
Concen: 45.265 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW005423.D
Acq: 17 Sep 2018 10:26

Tgt Ion: 49 Resp: 92312
Ion Ratio Lower Upper
49 100
129 0.2 0.0 1.0
130 72.5 61.4 92.2





#29

Tetrahydrofuran

Concen: 232.799 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampled :

BFB

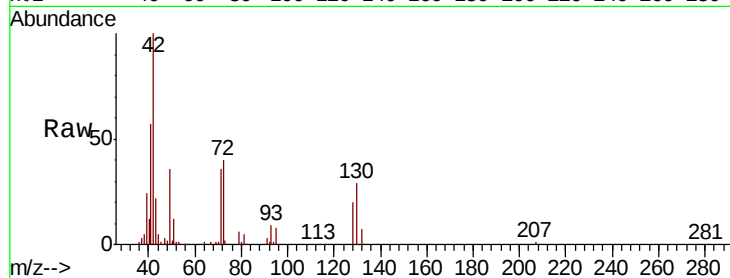
Tgt Ion: 42 Resp: 113060

Ion Ratio Lower Upper

42 100

72 40.1 33.2 49.8

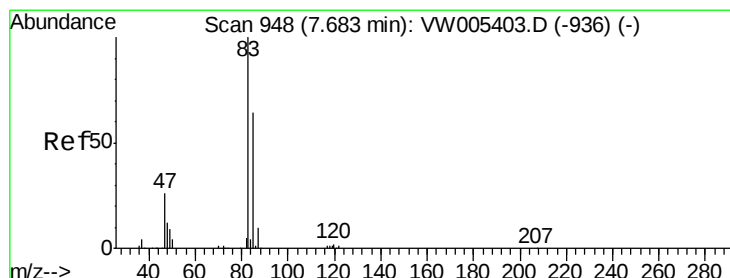
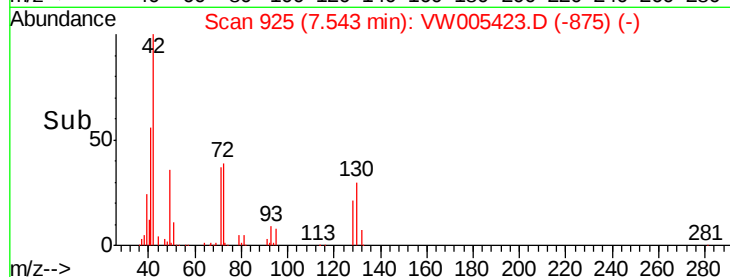
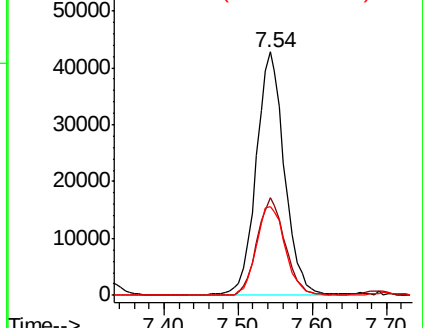
71 37.9 31.0 46.6



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: 45.128 ug/l

RT: 7.68 min Scan# 948

Delta R.T. 0.00 min

Lab File: VW005423.D

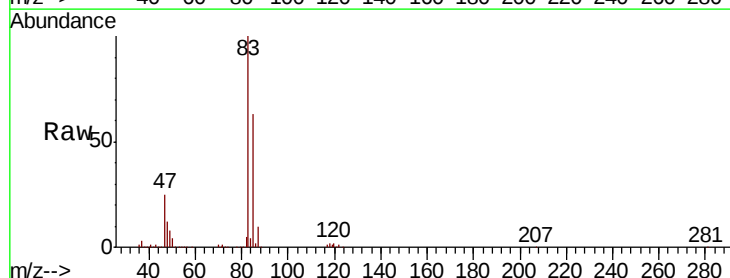
Acq: 17 Sep 2018 10:26

Tgt Ion: 83 Resp: 245029

Ion Ratio Lower Upper

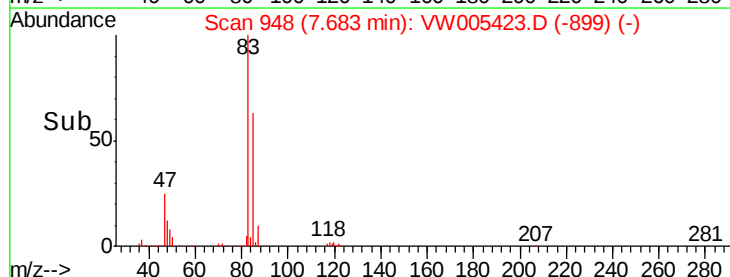
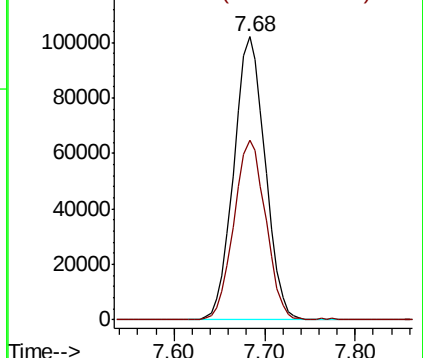
83 100

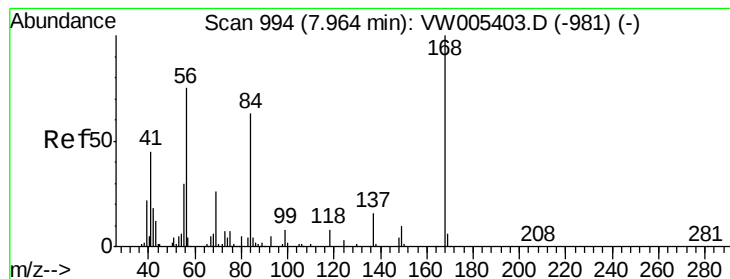
85 63.5 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 51.451 ug/l

RT: 7.96 min Scan# 994

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampleId :

BFB

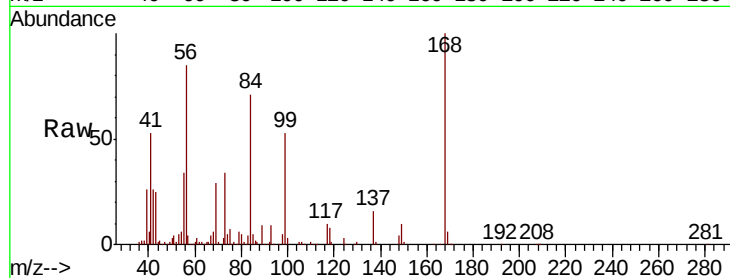
Tgt Ion: 56 Resp: 260248

Ion Ratio Lower Upper

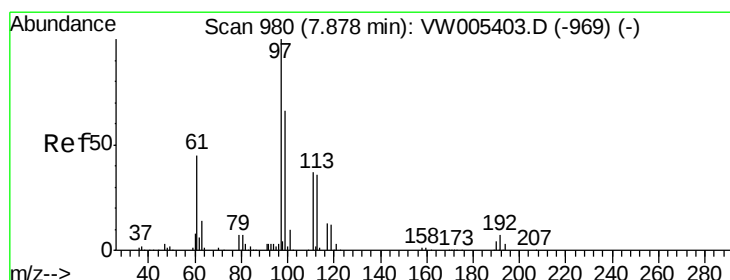
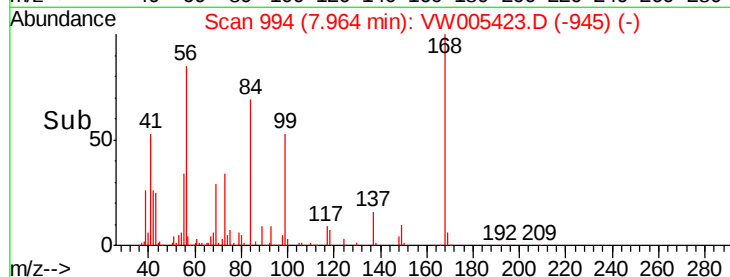
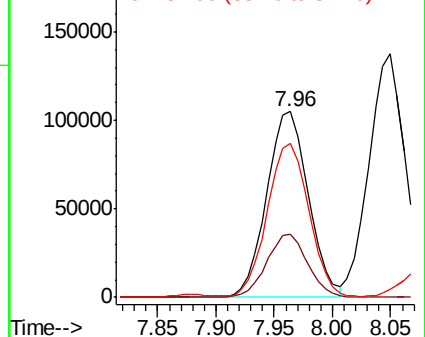
56 100

69 33.7 27.2 40.8

84 81.7 66.7 100.1



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: 46.683 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

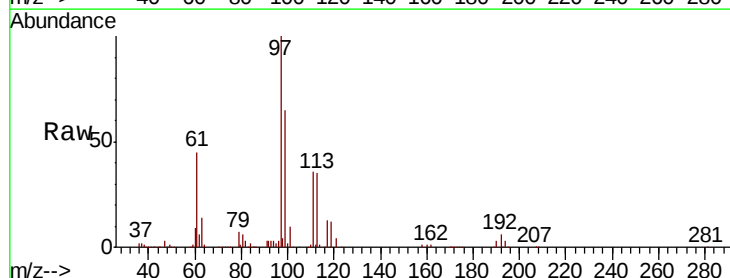
Tgt Ion: 97 Resp: 235693

Ion Ratio Lower Upper

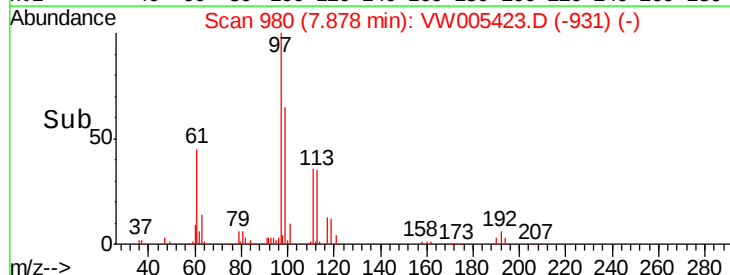
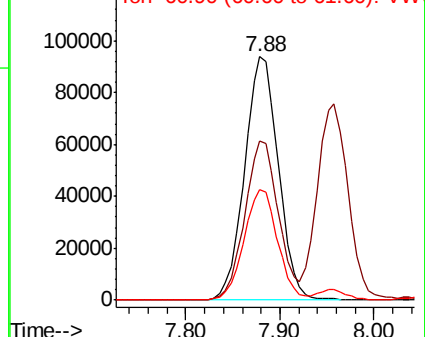
97 100

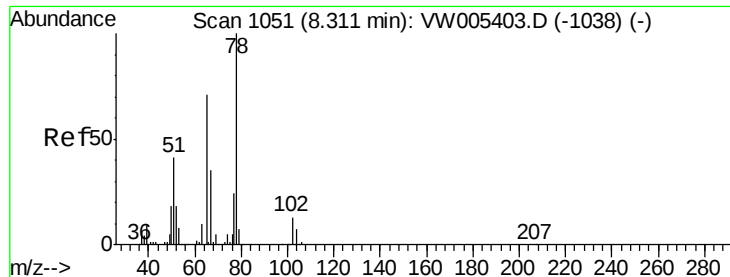
99 65.3 51.5 77.3

61 45.4 35.8 53.6



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

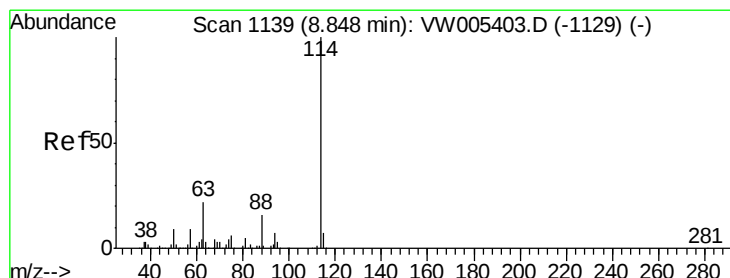
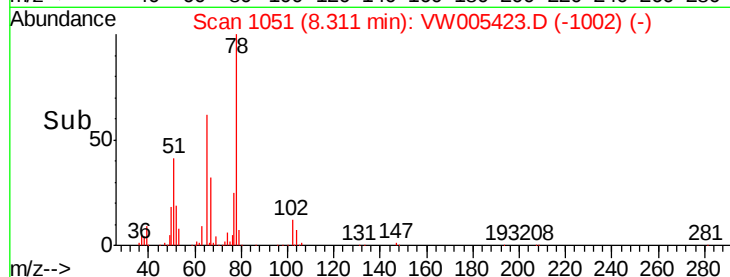
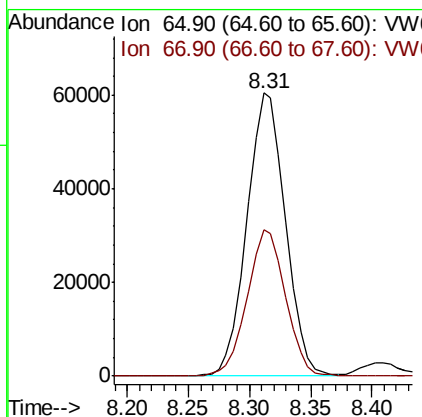
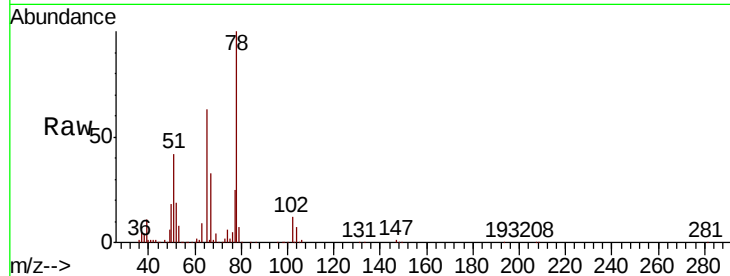




#33
 1,2-Dichloroethane-d4
 Concen: 41.772 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

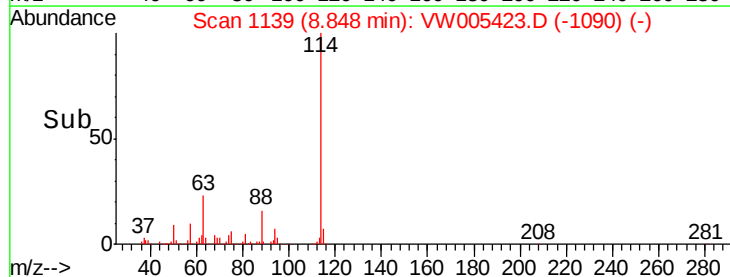
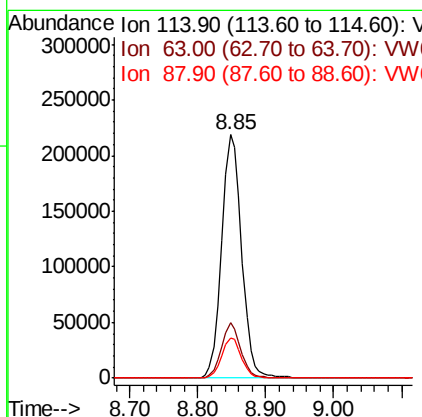
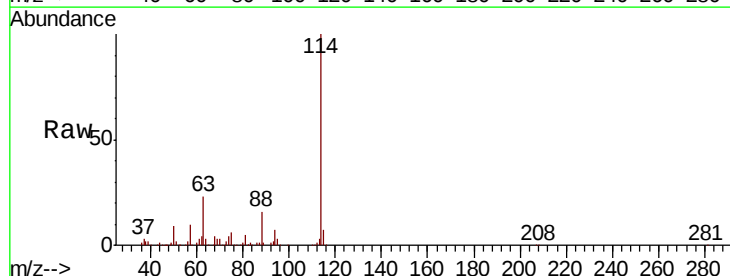
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

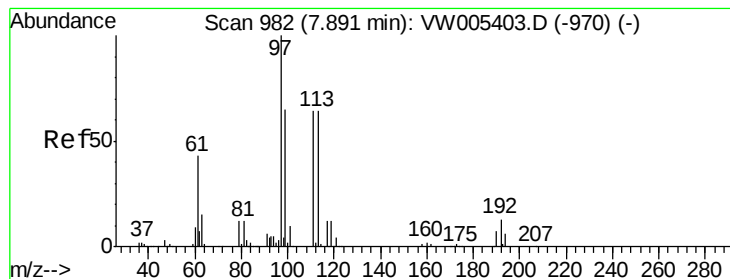
Tgt Ion: 65 Resp: 132380
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

Tgt Ion: 114 Resp: 445621
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 43.4
 88 16.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 45.551 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampleId :

BFB

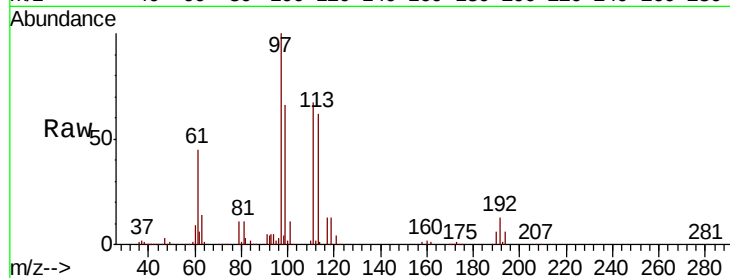
Tgt Ion: 113 Resp: 113811

Ion Ratio Lower Upper

113 100

111 103.0 82.3 123.5

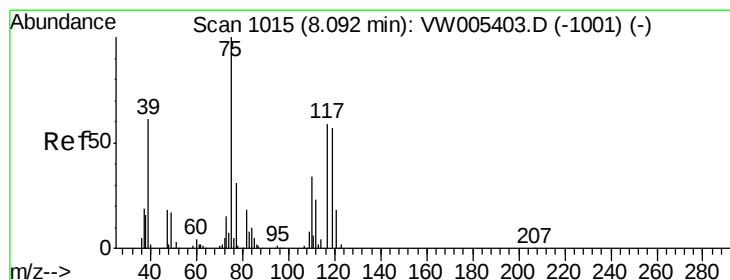
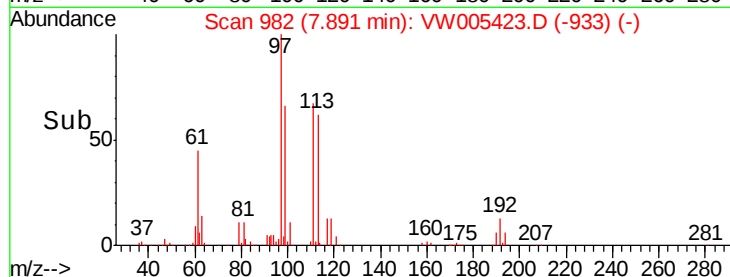
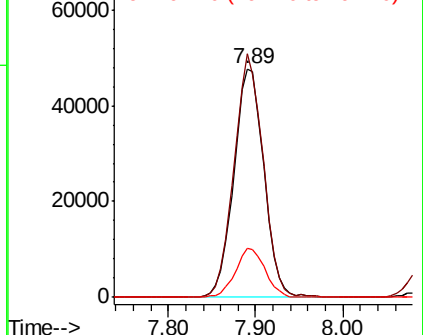
192 21.2 16.5 24.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.413 ug/l

RT: 8.09 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

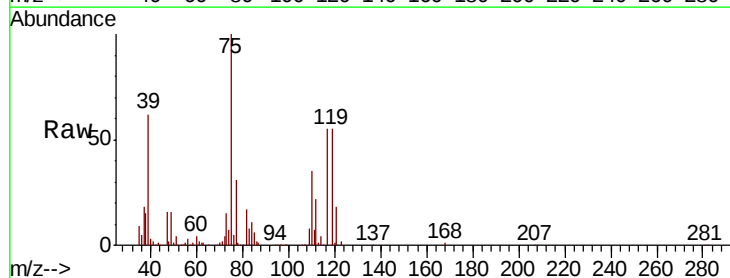
Tgt Ion: 75 Resp: 212608

Ion Ratio Lower Upper

75 100

110 34.0 16.8 50.4

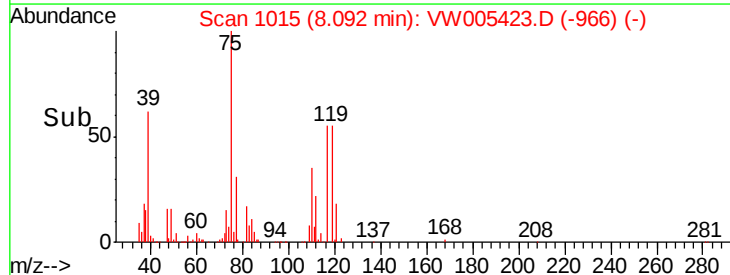
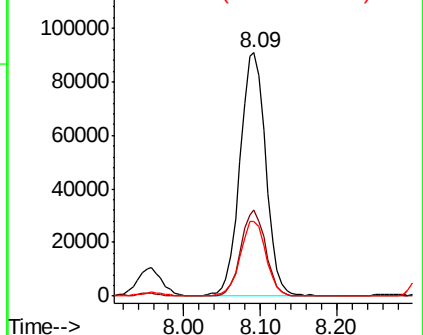
77 30.7 24.2 36.4

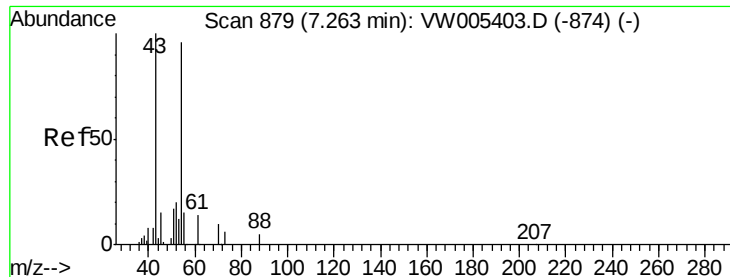


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

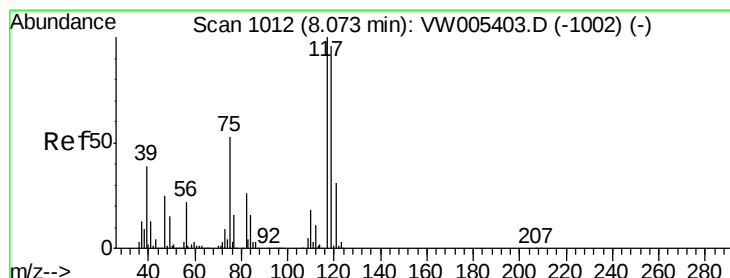
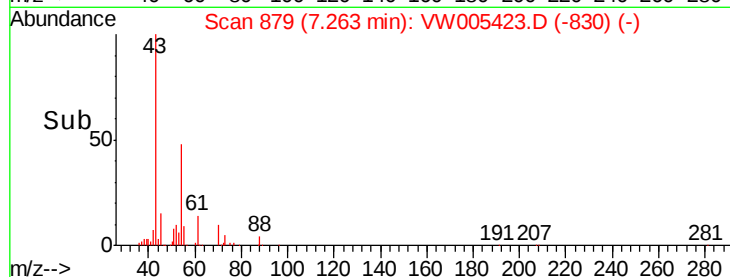
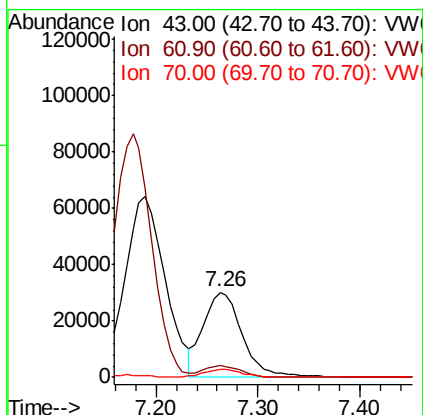
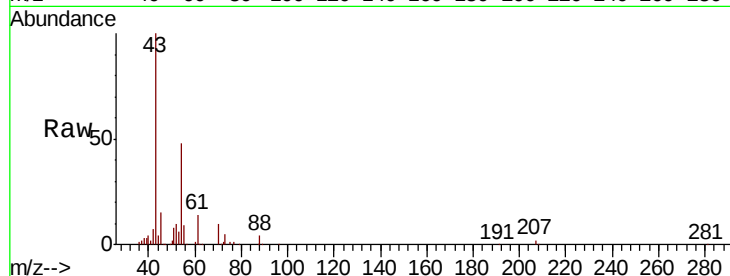




#37
 Ethyl Acetate
 Concen: 46.520 ug/l
 RT: 7.26 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

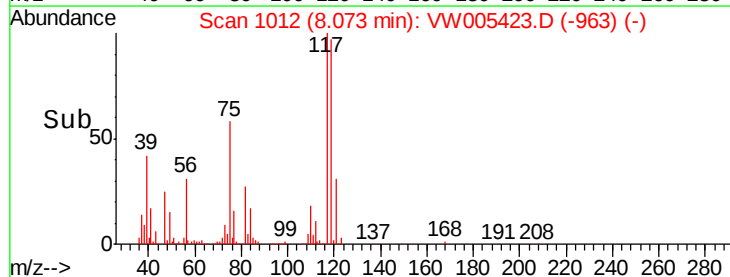
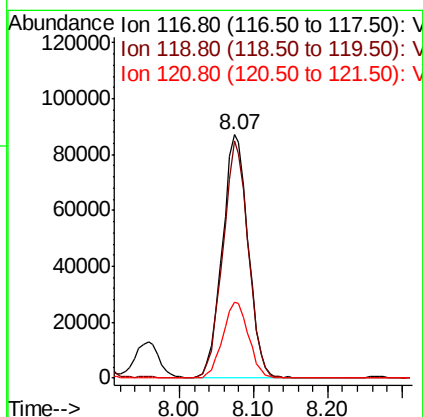
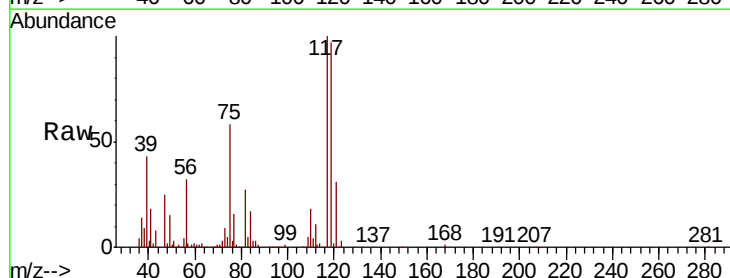
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

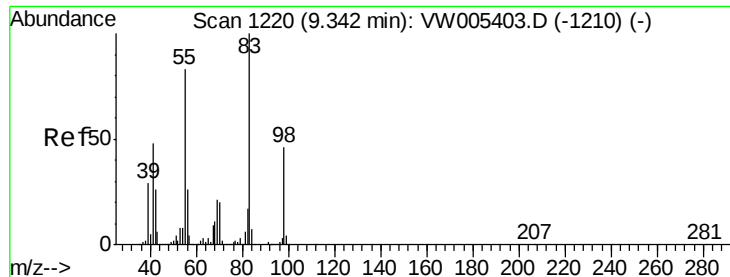
Tgt Ion: 43 Resp: 79783
 Ion Ratio Lower Upper
 43 100
 61 14.0 11.3 16.9
 70 9.6 8.2 12.4



#38
 Carbon Tetrachloride
 Concen: 48.086 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

Tgt Ion: 117 Resp: 211317
 Ion Ratio Lower Upper
 117 100
 119 97.3 76.8 115.2
 121 31.0 24.7 37.1

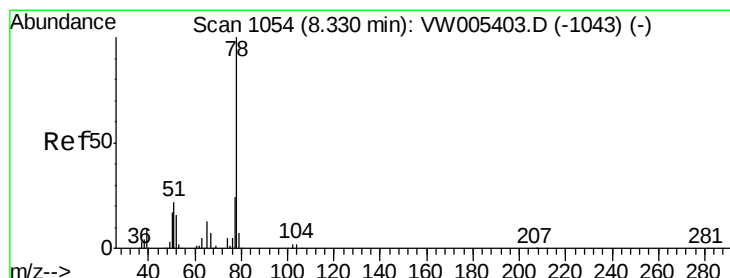
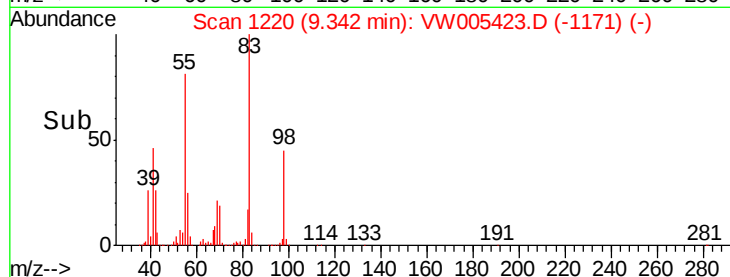
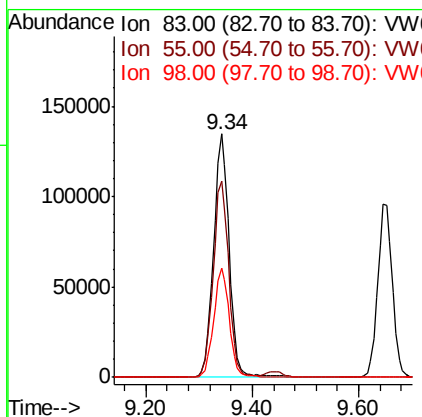
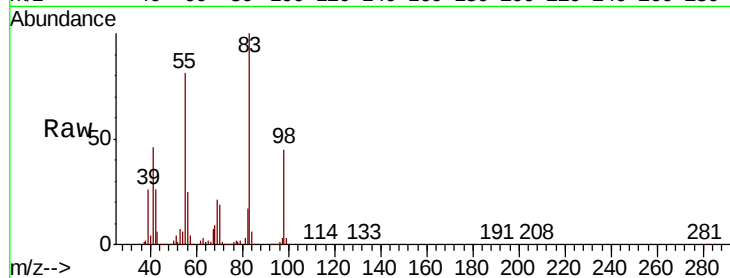




#39
Methylcyclohexane
Concen: 55.789 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW005423.D
Acq: 17 Sep 2018 10:26

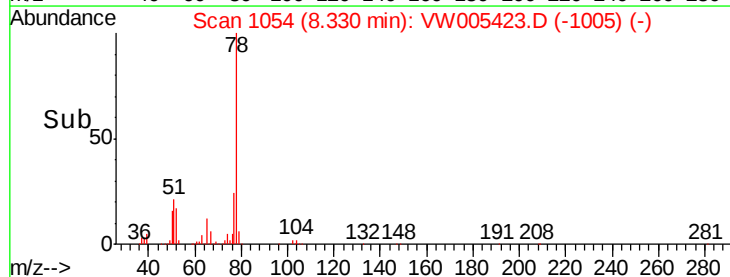
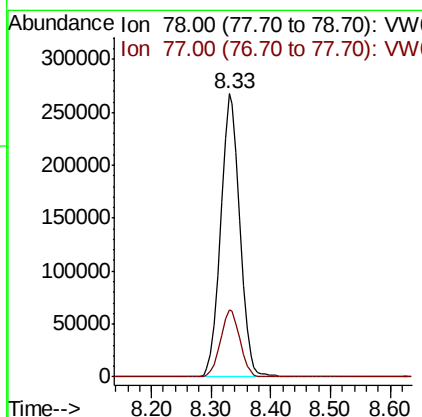
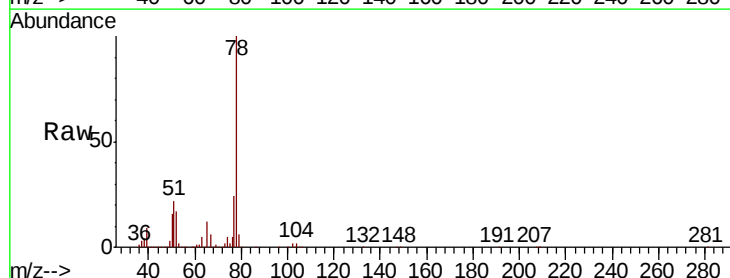
Instrument :
MSVOA_W
ClientSampleId :
BFB

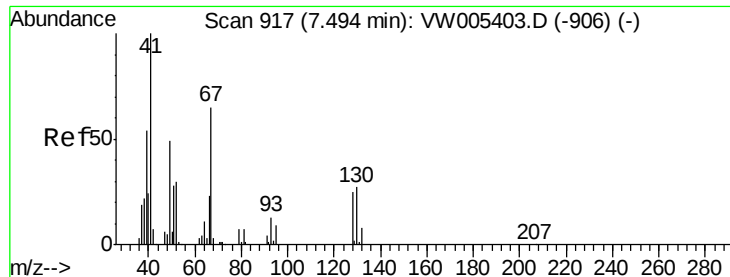
Tgt Ion: 83 Resp: 273387
Ion Ratio Lower Upper
83 100
55 80.6 66.1 99.1
98 44.6 36.7 55.1



#40
Benzene
Concen: 48.952 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW005423.D
Acq: 17 Sep 2018 10:26

Tgt Ion: 78 Resp: 598024
Ion Ratio Lower Upper
78 100
77 23.9 19.3 28.9





#41

Methacrylonitrile

Concen: 47.013 ug/l

RT: 7.49 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampled :

BFB

Tgt Ion: 41 Resp: 48645

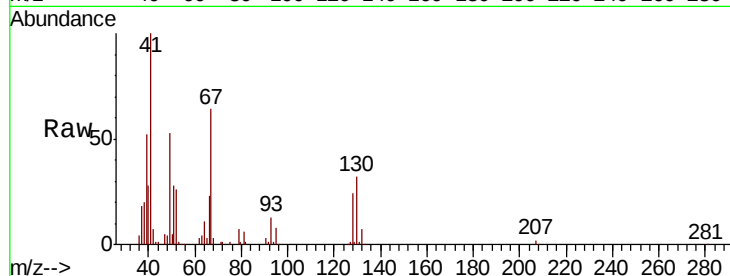
Ion Ratio Lower Upper

41 100

39 58.6 44.6 67.0

67 68.5 53.6 80.4

52 30.2 24.9 37.3

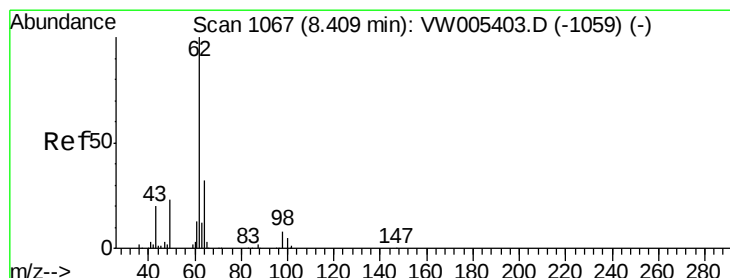
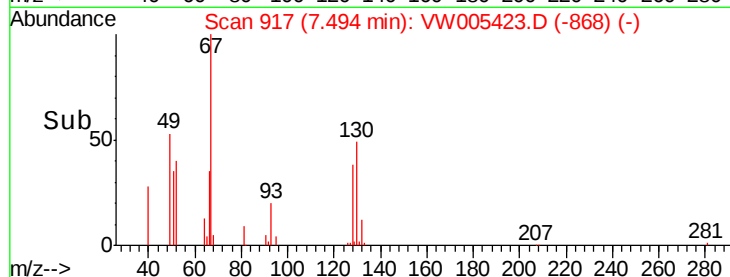
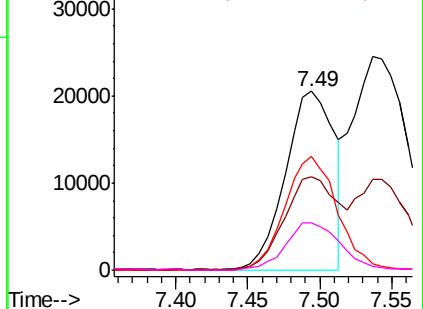


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 43.259 ug/l

RT: 8.41 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VW005423.D

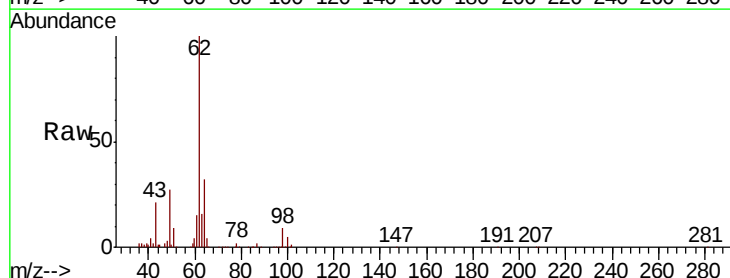
Acq: 17 Sep 2018 10:26

Tgt Ion: 62 Resp: 165411

Ion Ratio Lower Upper

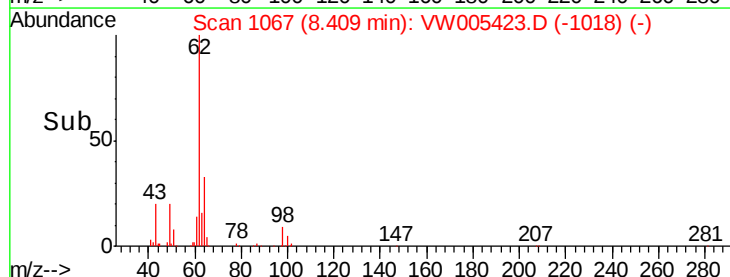
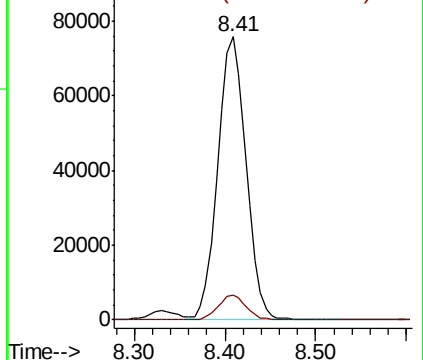
62 100

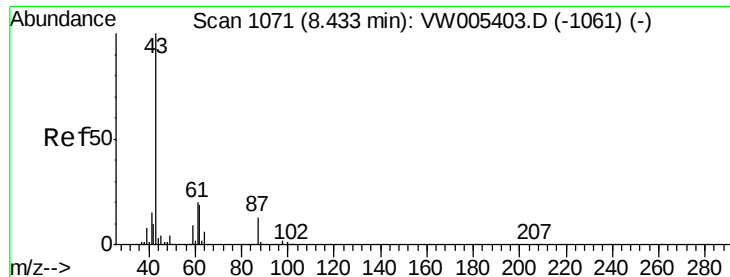
98 8.7 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 47.353 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampleId :

BFB

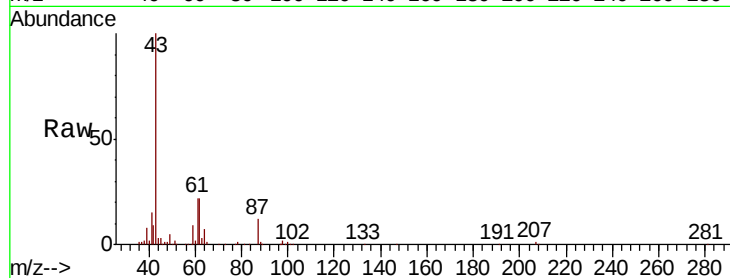
Tgt Ion: 43 Resp: 158493

Ion Ratio Lower Upper

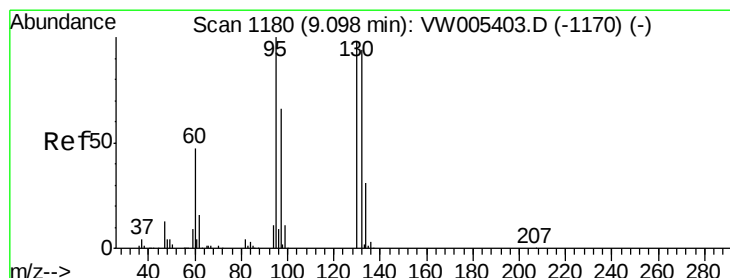
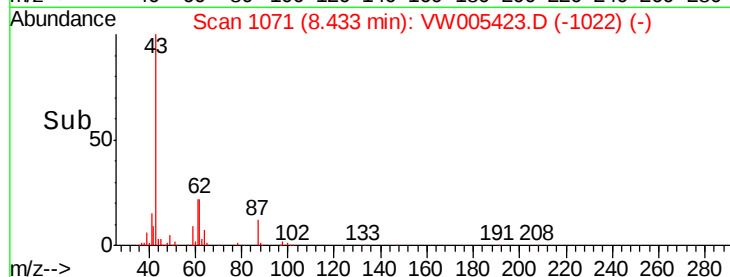
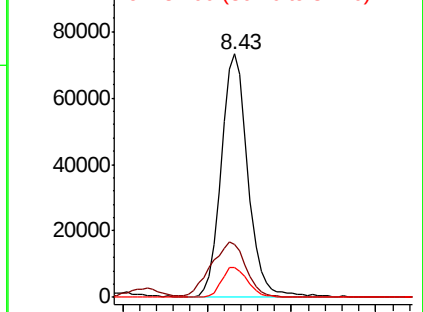
43 100

61 29.5 23.8 35.6

87 12.5 10.1 15.1



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: 49.074 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW005423.D

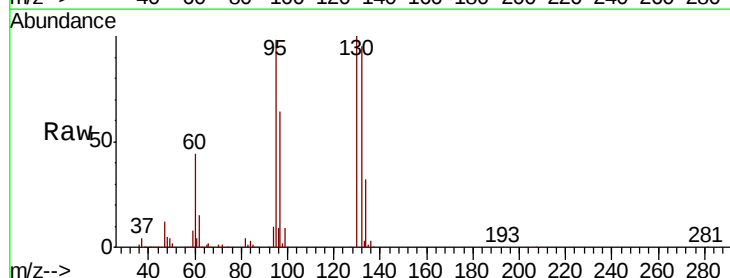
Acq: 17 Sep 2018 10:26

Tgt Ion: 130 Resp: 154308

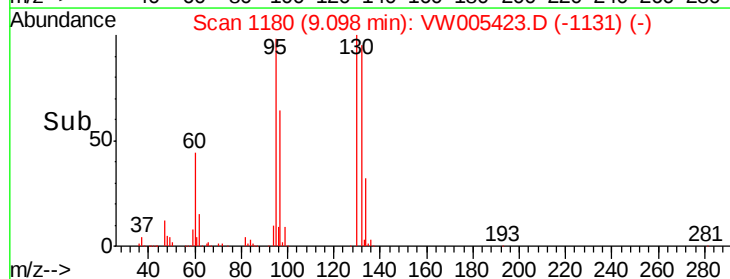
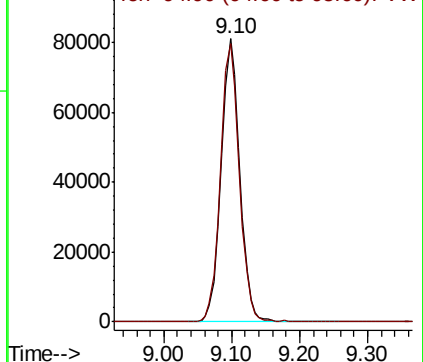
Ion Ratio Lower Upper

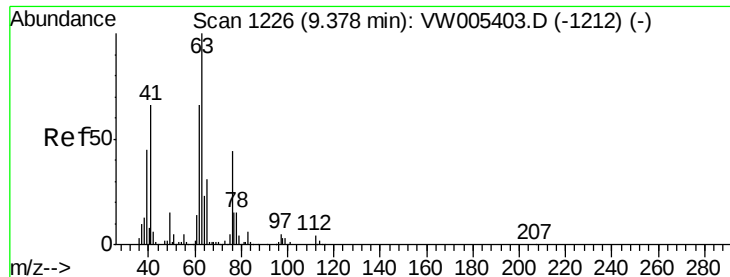
130 100

95 98.5 0.0 204.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

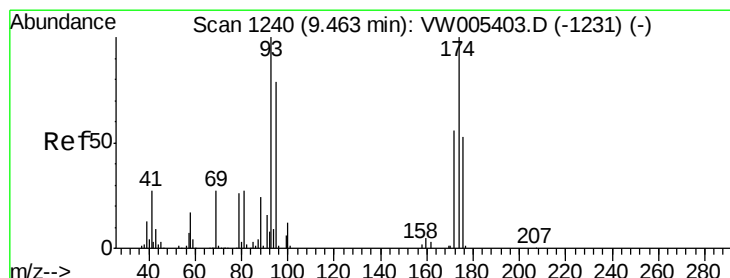
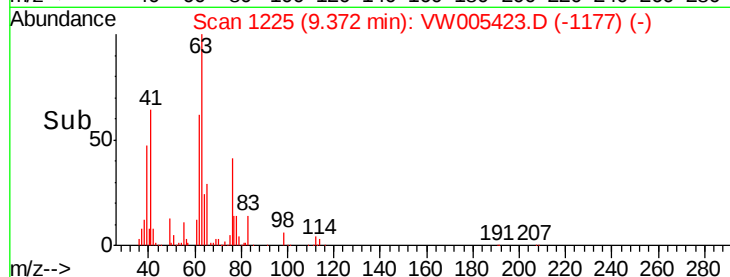
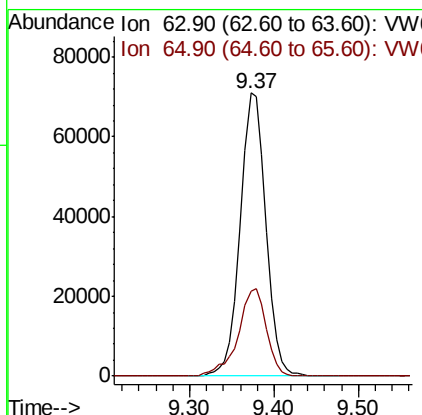
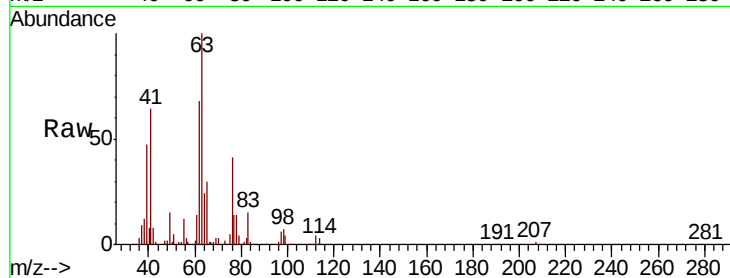




#45
 1,2-Dichloropropane
 Concen: 49.759 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

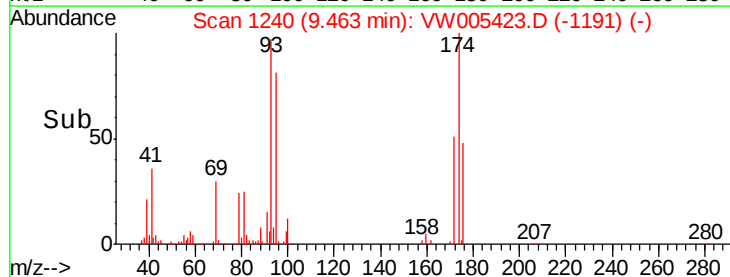
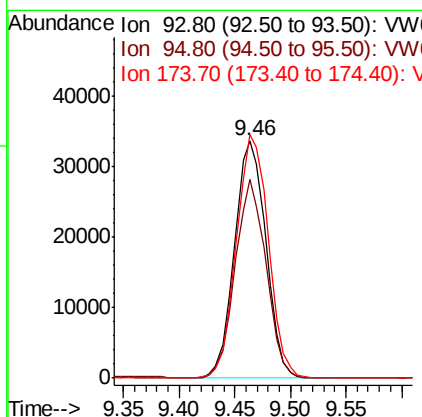
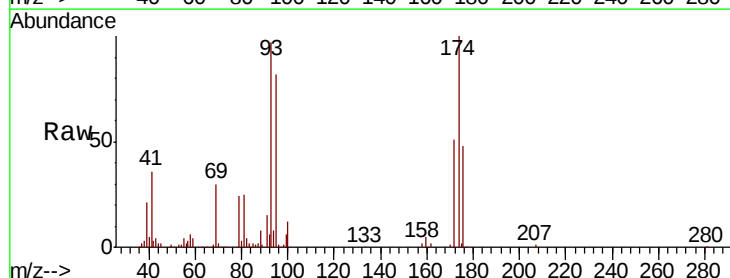
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

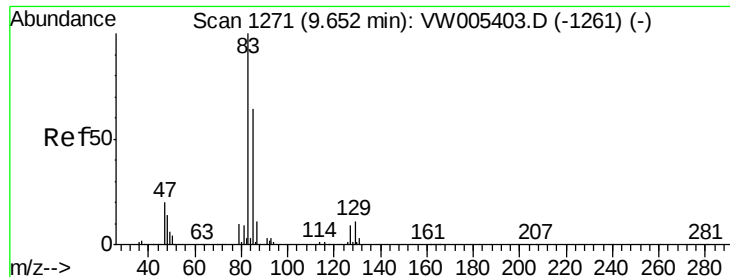
Tgt Ion: 63 Resp: 145236
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.0 37.6



#46
 Dibromomethane
 Concen: 45.811 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

Tgt Ion: 93 Resp: 65777
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.4 98.0
 174 104.4 83.4 125.2





#47

Bromodichloromethane

Concen: 47.325 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampleId :

BFB

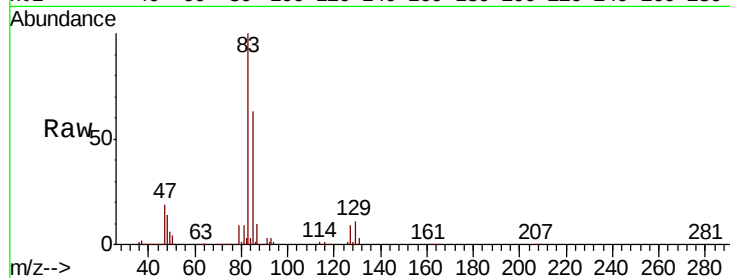
Tgt Ion: 83 Resp: 184102

Ion Ratio Lower Upper

83 100

85 63.1 50.9 76.3

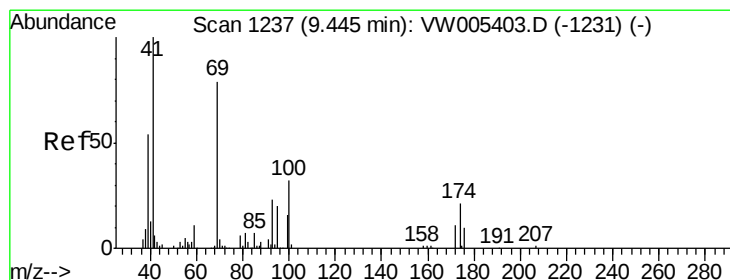
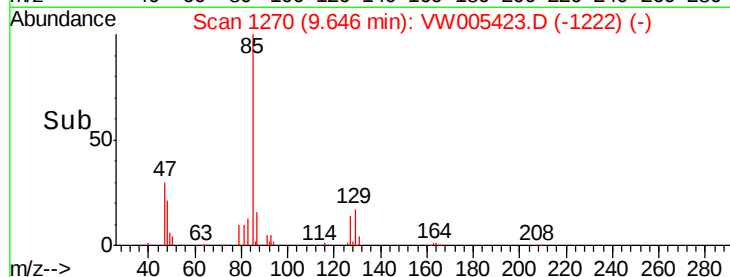
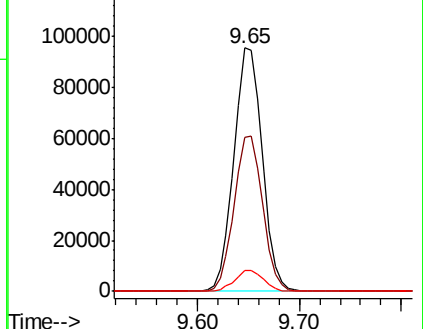
127 8.8 7.0 10.4



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: 48.417 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

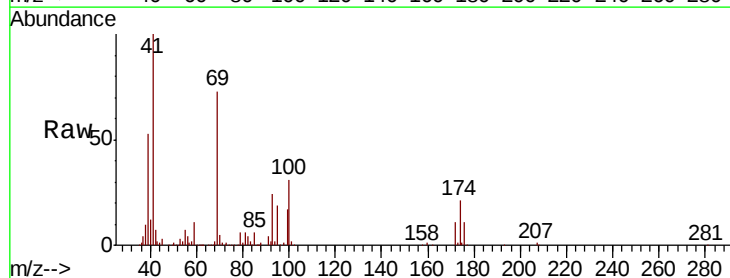
Tgt Ion: 41 Resp: 80874

Ion Ratio Lower Upper

41 100

69 84.0 67.5 101.3

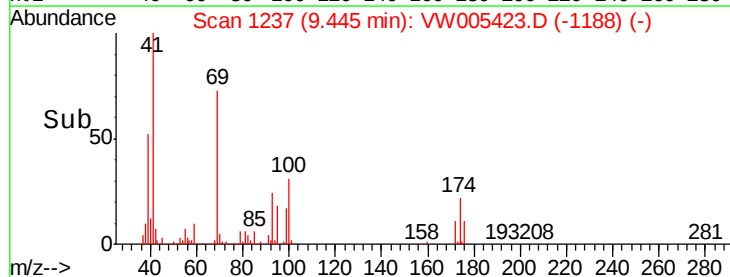
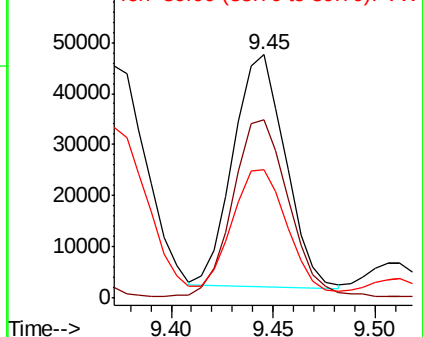
39 54.6 45.5 68.3

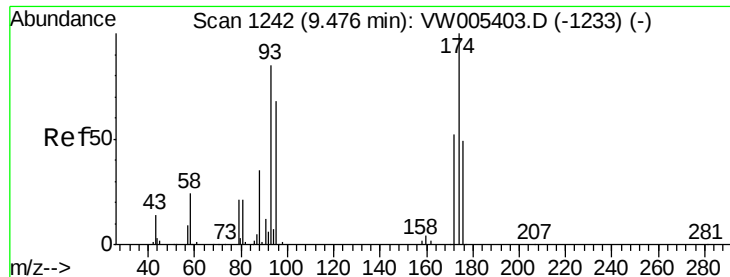


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 966.524 ug/l

RT: 9.49 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampled :

BFB

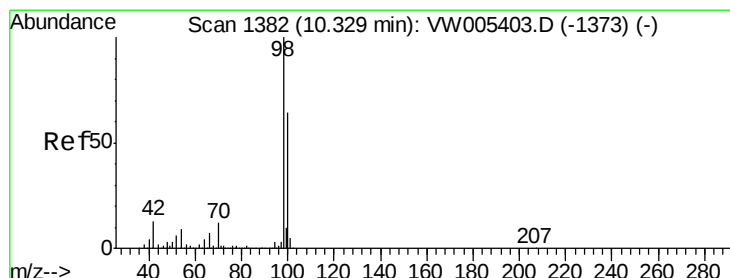
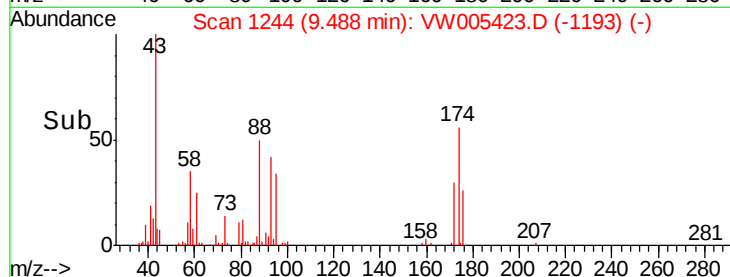
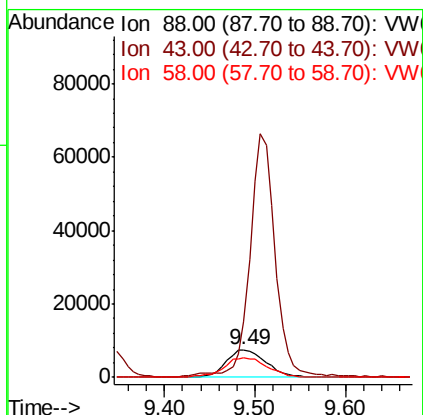
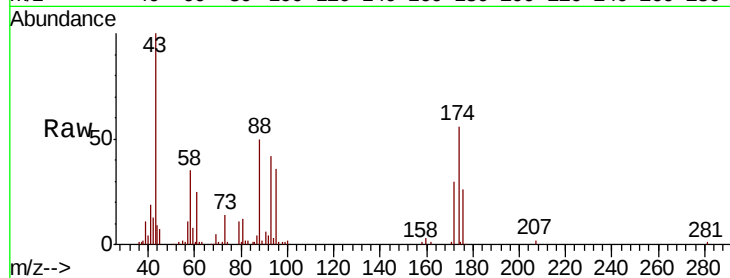
Tgt Ion: 88 Resp: 23130

Ion Ratio Lower Upper

88 100

43 557.2 0.0 0.0#

58 77.4 62.4 93.6



#50

Toluene-d8

Concen: 48.637 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005423.D

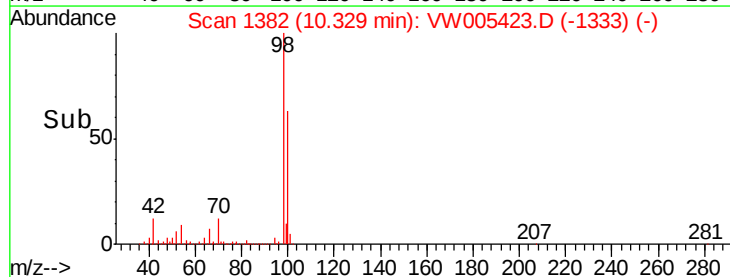
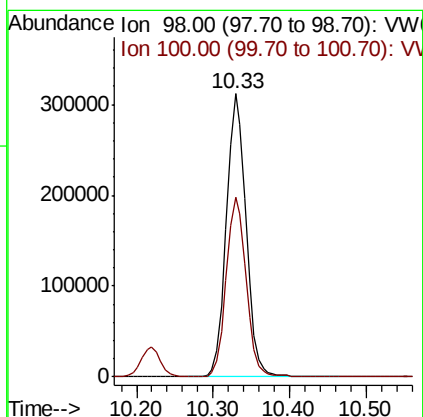
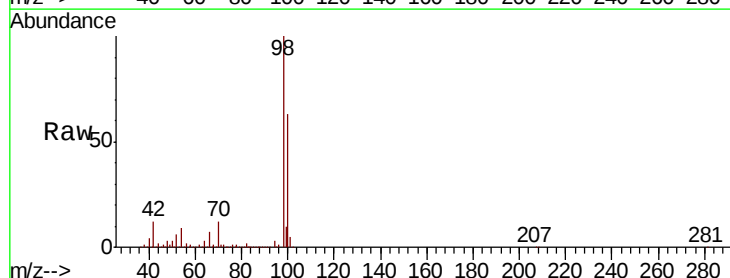
Acq: 17 Sep 2018 10:26

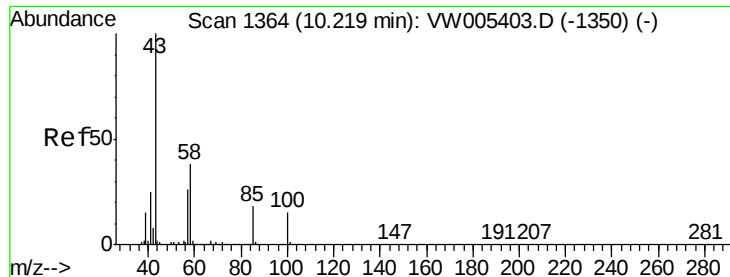
Tgt Ion: 98 Resp: 556508

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.0

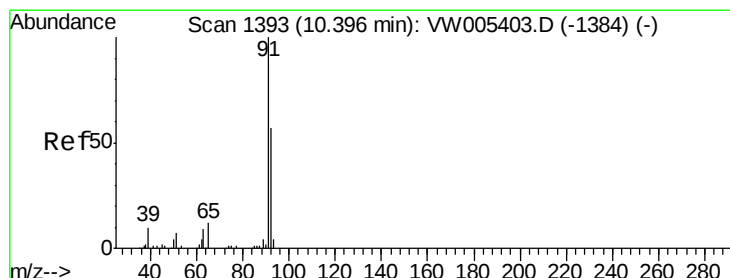
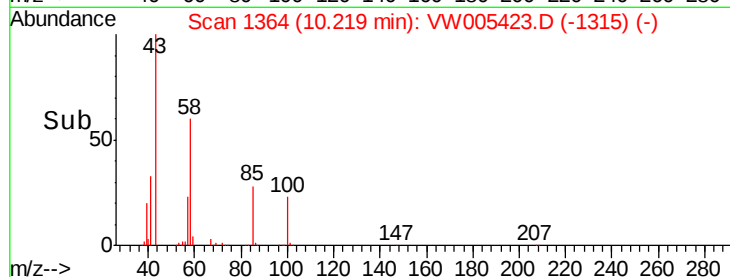
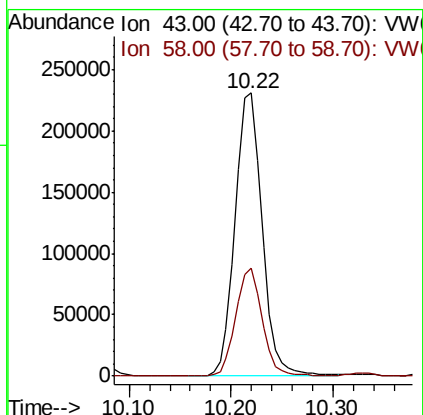
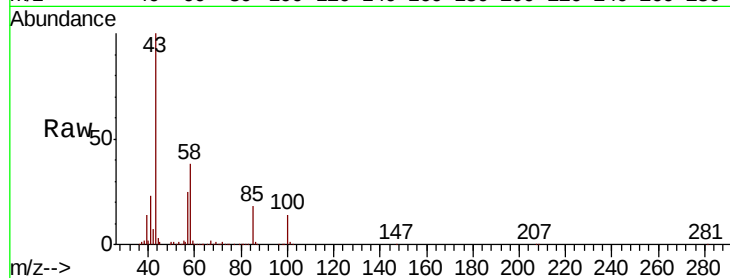




#51
 4-Methyl-2-Pentanone
 Concen: 245.769 ug/l
 RT: 10.22 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

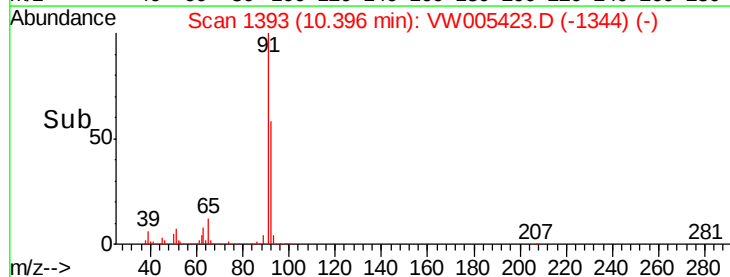
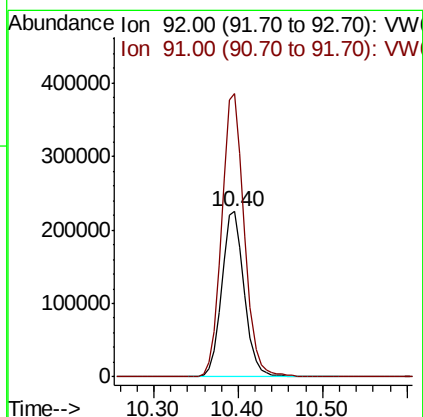
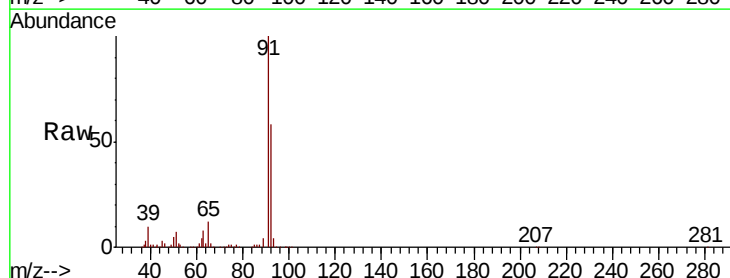
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

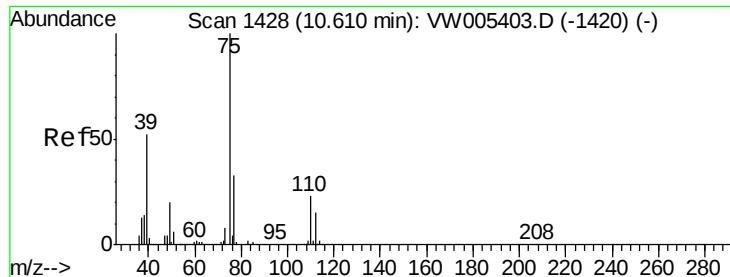
Tgt Ion: 43 Resp: 423462
 Ion Ratio Lower Upper
 43 100
 58 37.4 29.9 44.9



#52
 Toluene
 Concen: 50.130 ug/l
 RT: 10.40 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

Tgt Ion: 92 Resp: 414741
 Ion Ratio Lower Upper
 92 100
 91 171.8 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 50.193 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampled :

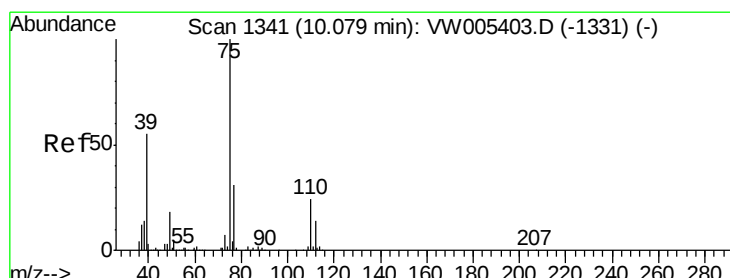
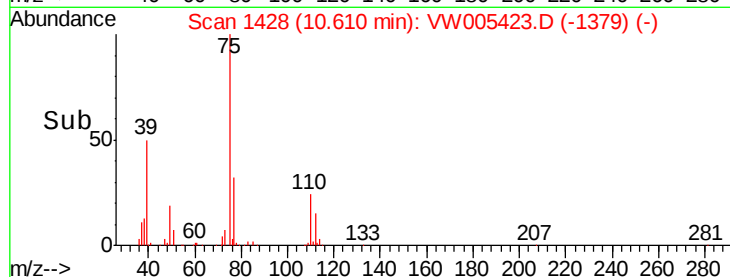
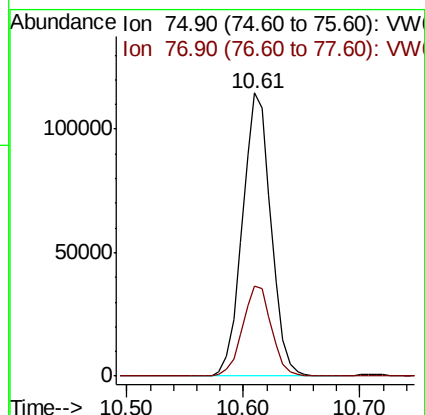
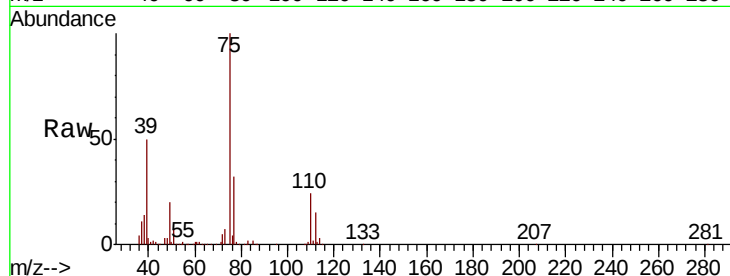
BFB

Tgt Ion: 75 Resp: 195416

Ion Ratio Lower Upper

75 100

77 31.7 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 51.204 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

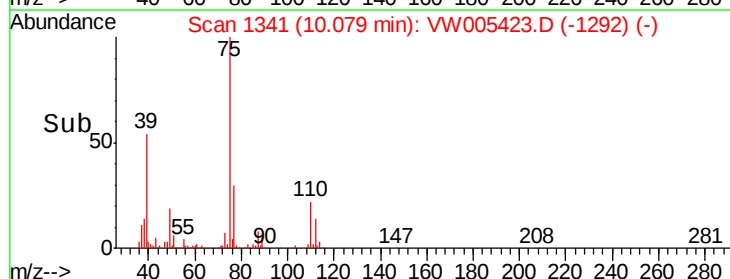
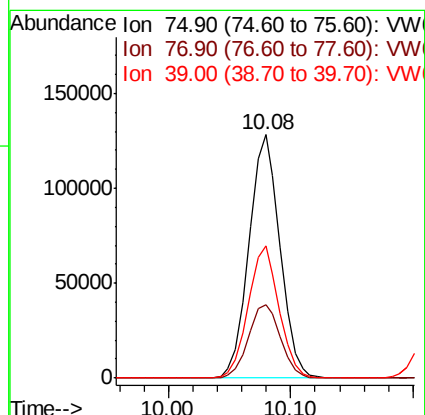
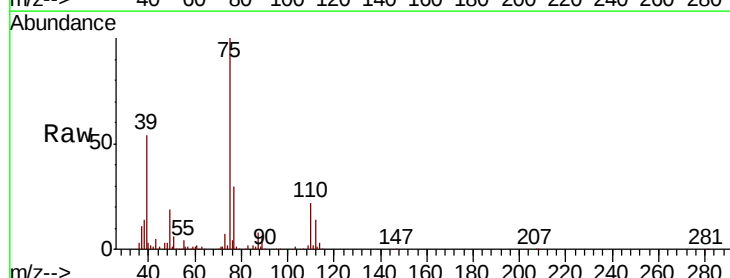
Tgt Ion: 75 Resp: 225714

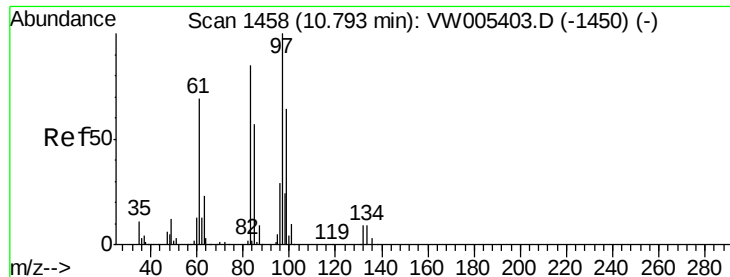
Ion Ratio Lower Upper

75 100

77 30.3 25.0 37.4

39 54.0 44.2 66.2

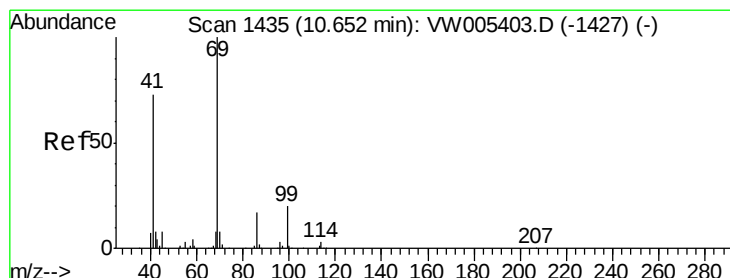
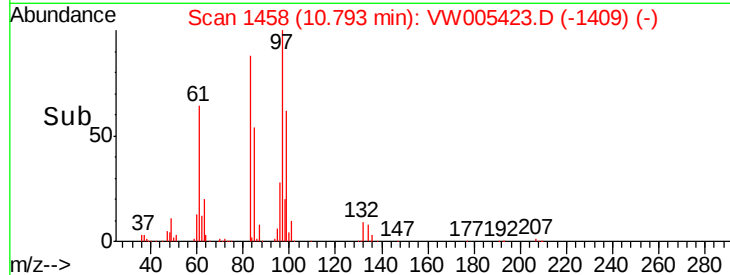
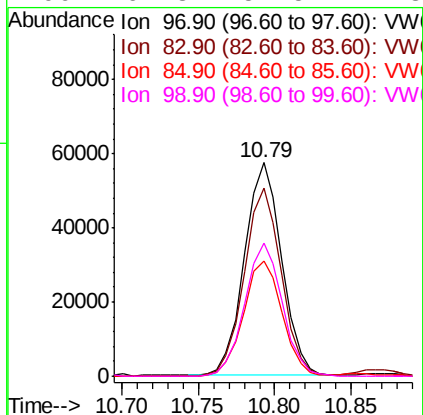
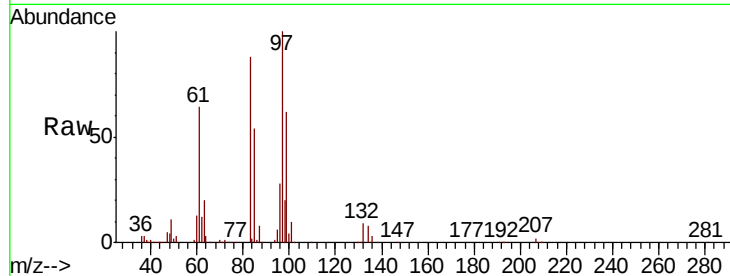




#55
 1,1,2-Trichloroethane
 Concen: 45.703 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

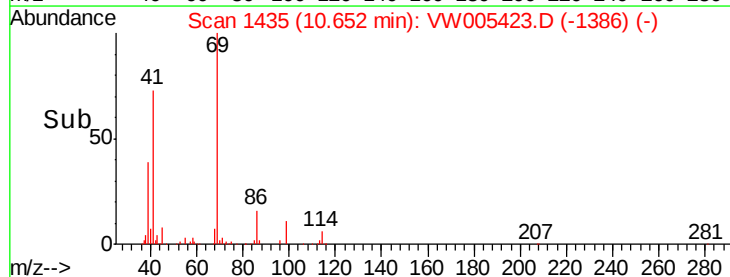
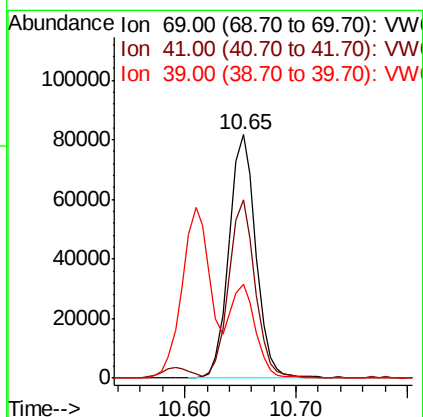
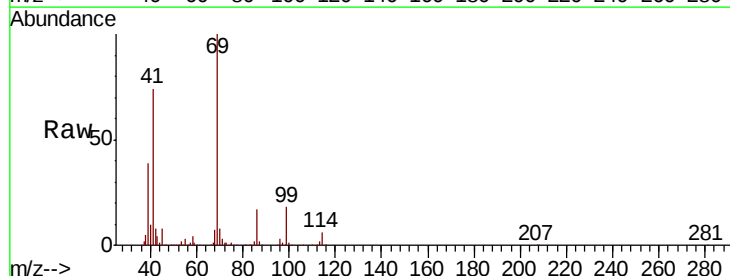
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

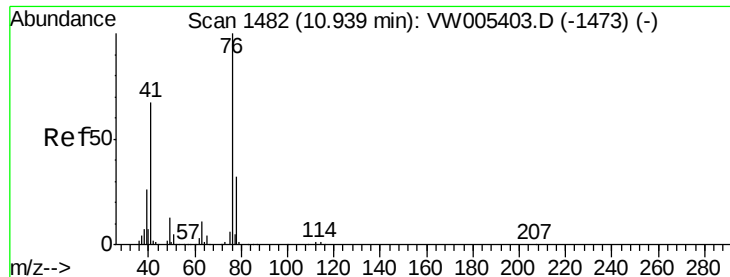
Tgt Ion:	97	Resp:	97531
Ion	Ratio	Lower	Upper
97	100		
83	88.1	67.8	101.8
85	54.1	45.4	68.0
99	62.3	51.5	77.3



#56
 Ethyl methacrylate
 Concen: 50.371 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

Tgt Ion:	69	Resp:	136056
Ion	Ratio	Lower	Upper
69	100		
41	72.1	59.3	88.9
39	35.8	30.2	45.4

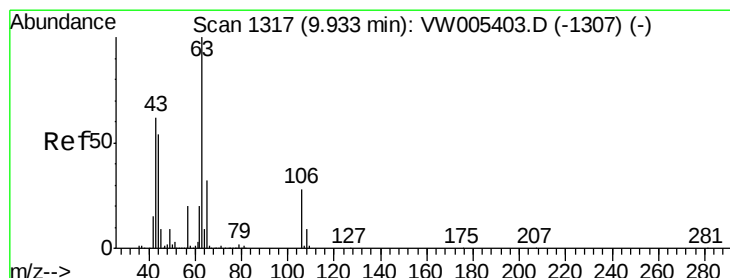
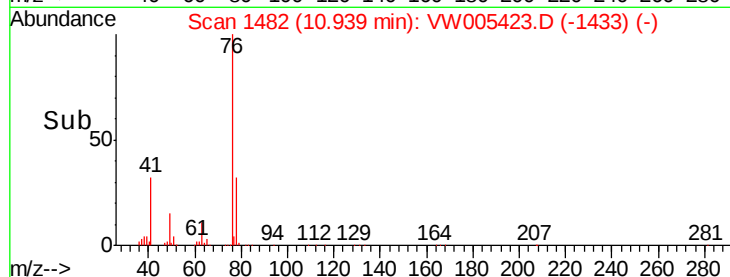
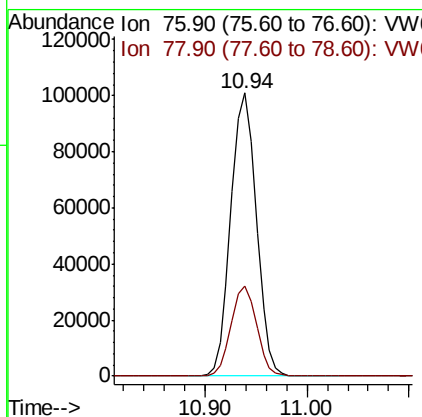
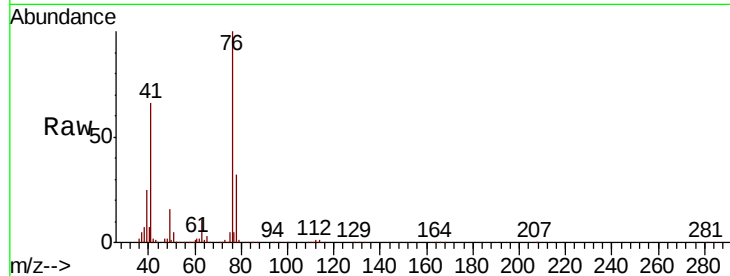




#57
 1,3-Dichloropropane
 Concen: 47.688 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

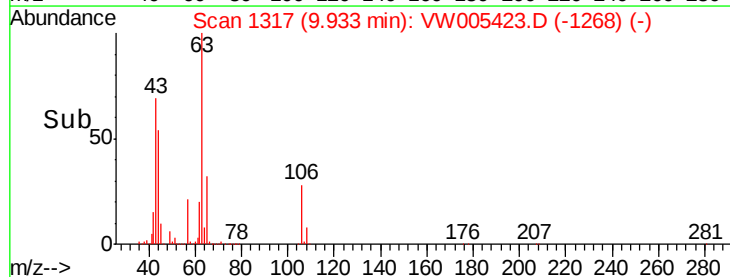
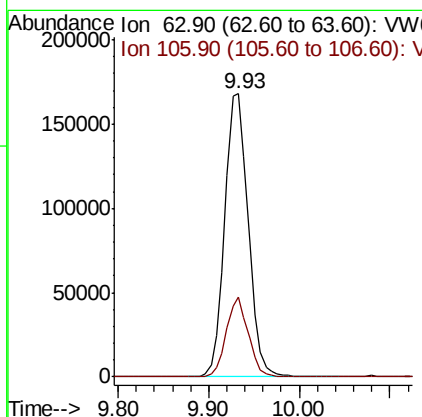
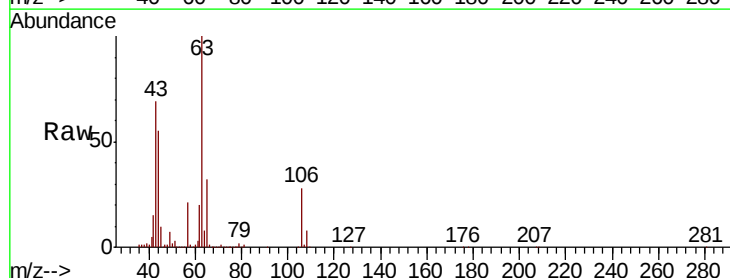
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

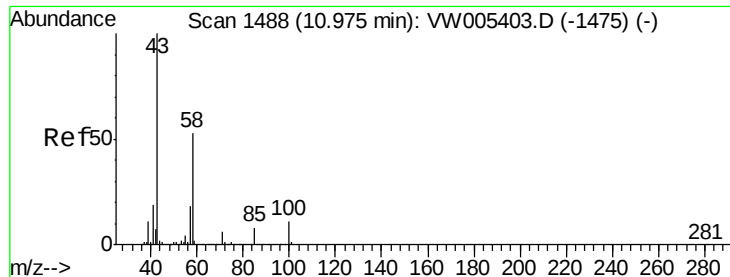
Tgt Ion: 76 Resp: 175663
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.630 ug/l
 RT: 9.93 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

Tgt Ion: 63 Resp: 302525
 Ion Ratio Lower Upper
 63 100
 106 26.5 22.0 33.0

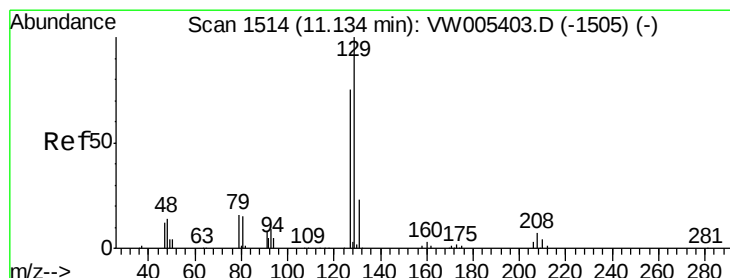
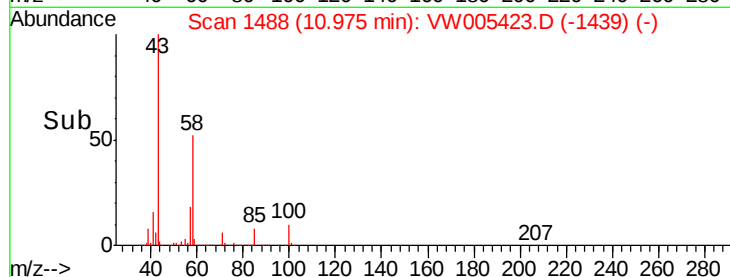
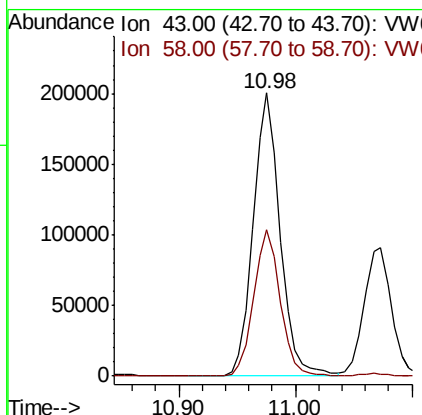
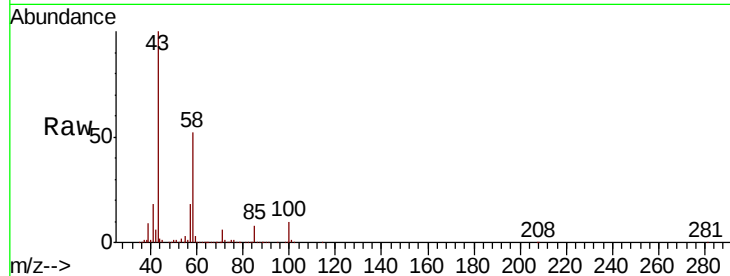




#59
2-Hexanone
Concen: 274.306 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005423.D
Acq: 17 Sep 2018 10:26

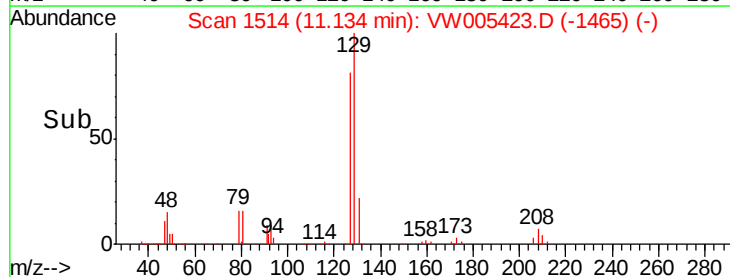
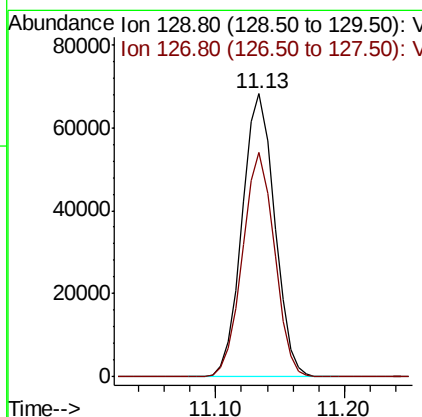
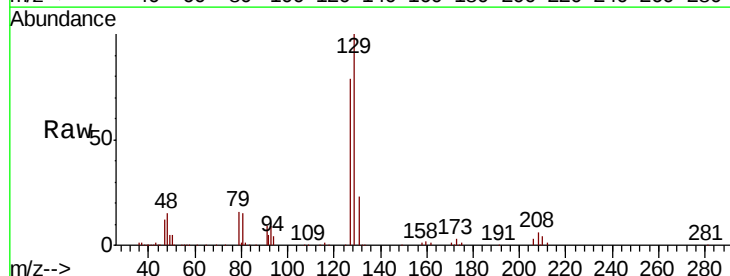
Instrument :
MSVOA_W
ClientSampled :
BFB

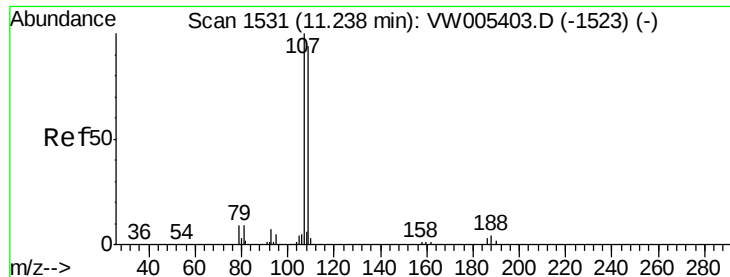
Tgt Ion: 43 Resp: 321940
Ion Ratio Lower Upper
43 100
58 51.2 25.5 76.5



#60
Dibromochloromethane
Concen: 46.247 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005423.D
Acq: 17 Sep 2018 10:26

Tgt Ion: 129 Resp: 118745
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.3

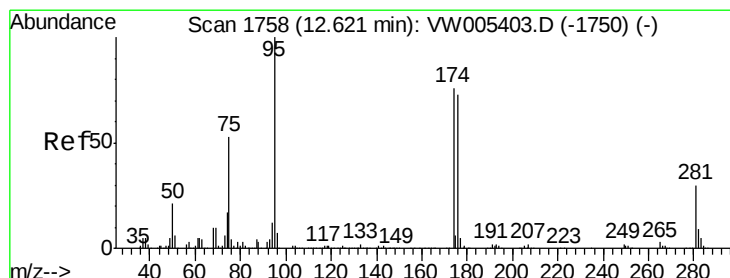
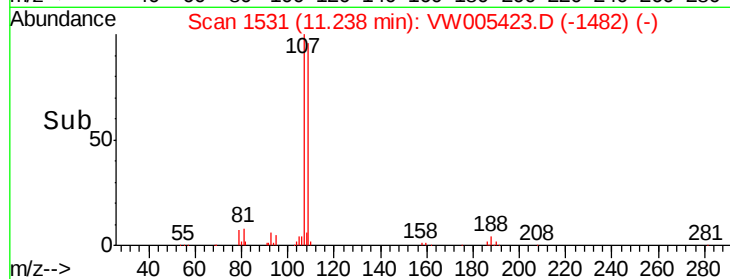
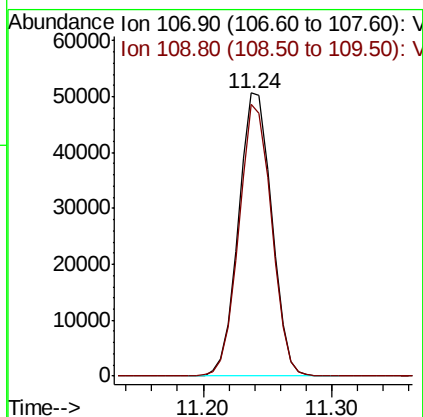
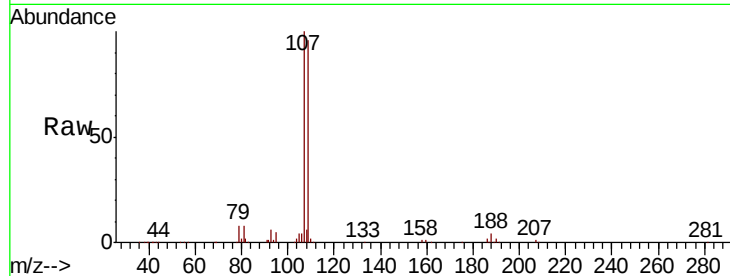




#61
 1,2-Dibromoethane
 Concen: 47.313 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

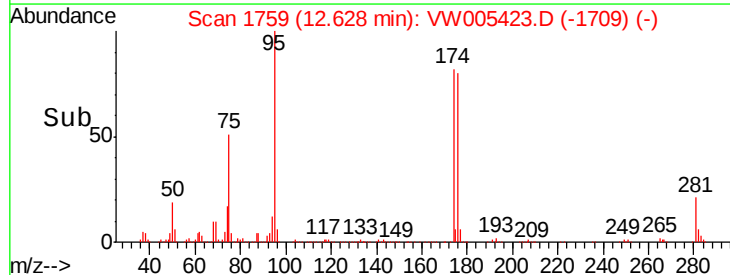
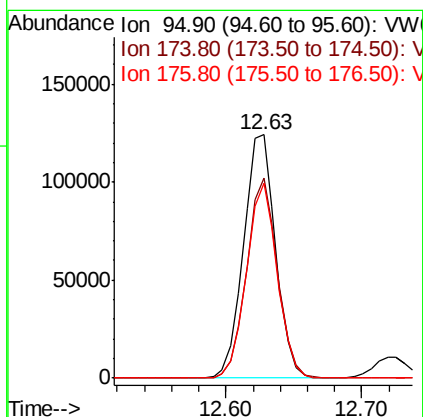
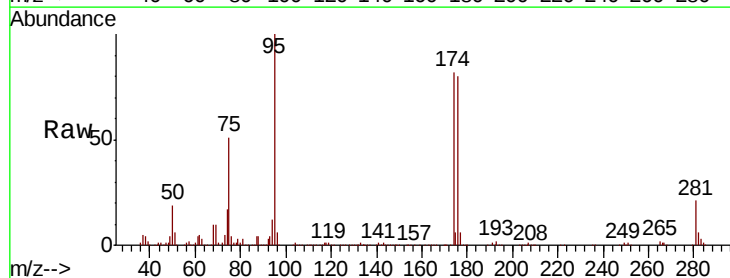
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

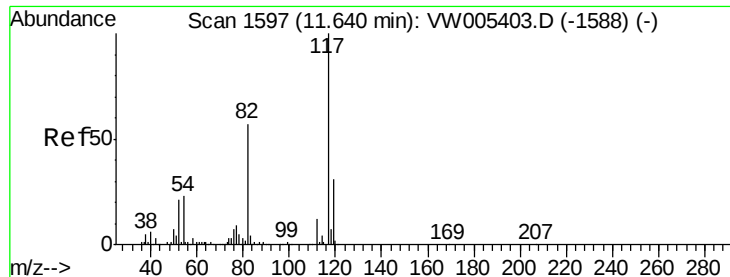
Tgt Ion: 107 Resp: 90551
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 48.558 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. 0.01 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

Tgt Ion: 95 Resp: 203722
 Ion Ratio Lower Upper
 95 100
 174 79.4 0.0 161.2
 176 77.3 0.0 156.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampleId :

BFB

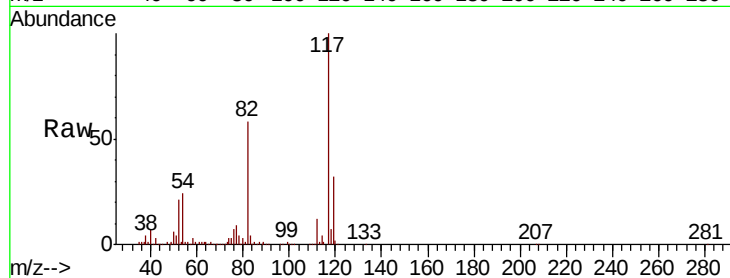
Tgt Ion:117 Resp: 417357

Ion Ratio Lower Upper

117 100

82 57.9 45.9 68.9

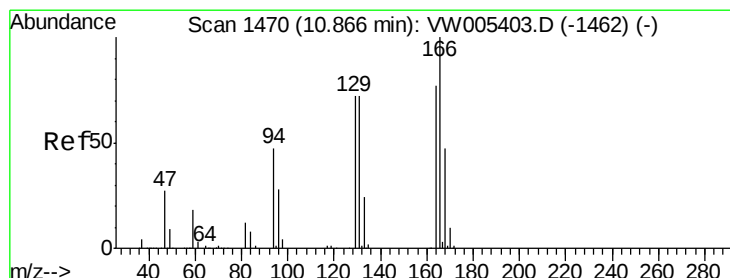
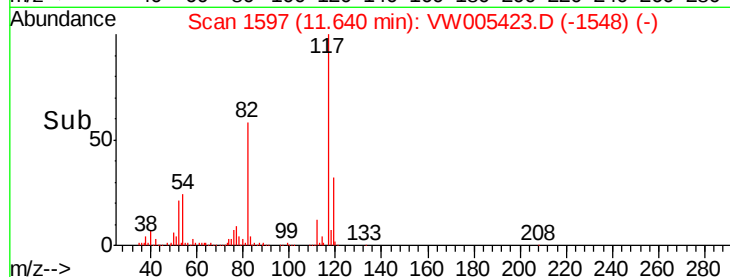
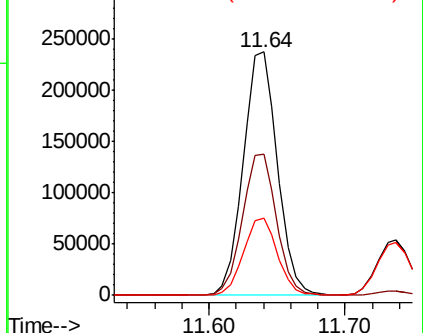
119 31.6 24.8 37.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 48.369 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Tgt Ion:164 Resp: 149194

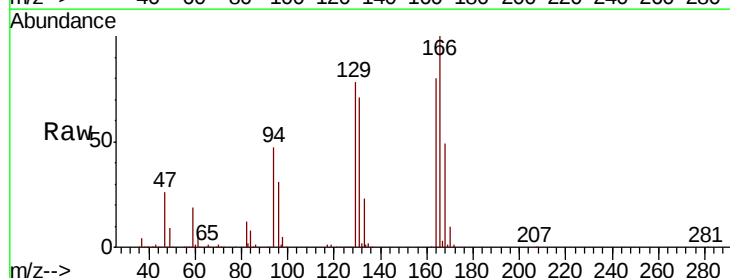
Ion Ratio Lower Upper

164 100

166 124.9 104.0 156.0

129 97.9 74.9 112.3

131 88.3 75.3 112.9

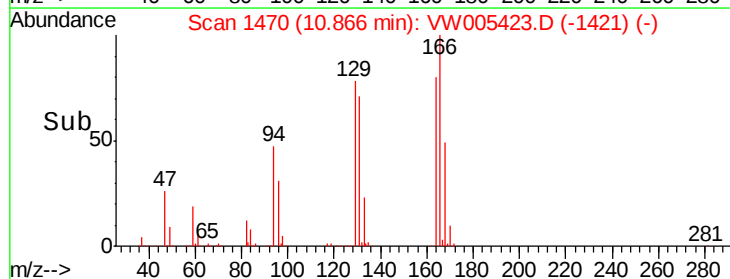
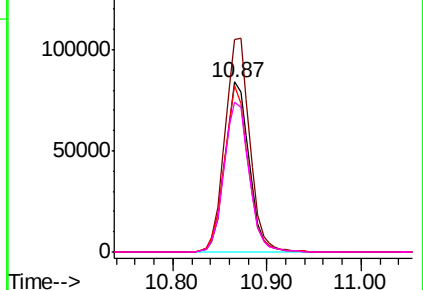


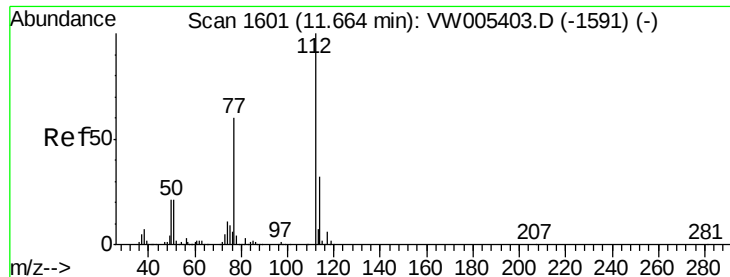
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

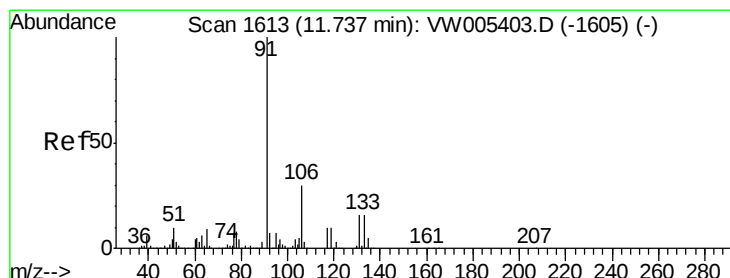
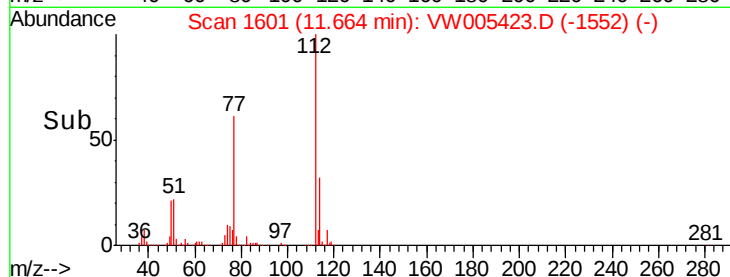
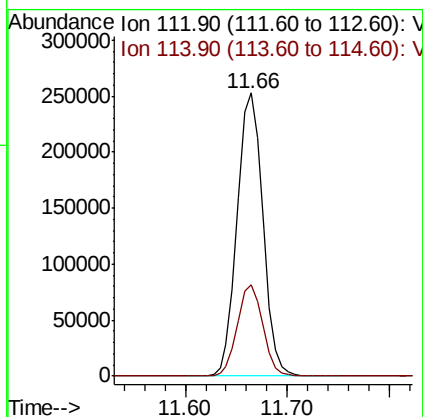
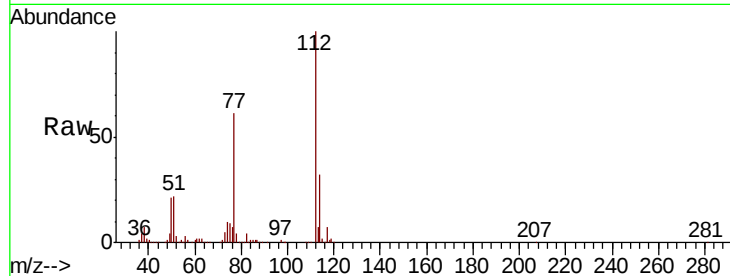




#65
Chlorobenzene
Concen: 49.789 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW005423.D
Acq: 17 Sep 2018 10:26

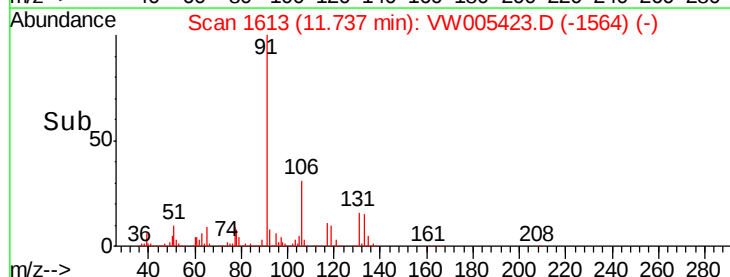
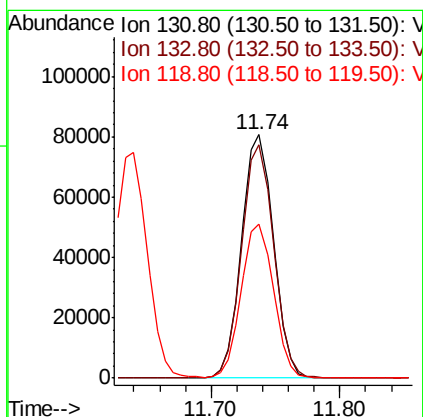
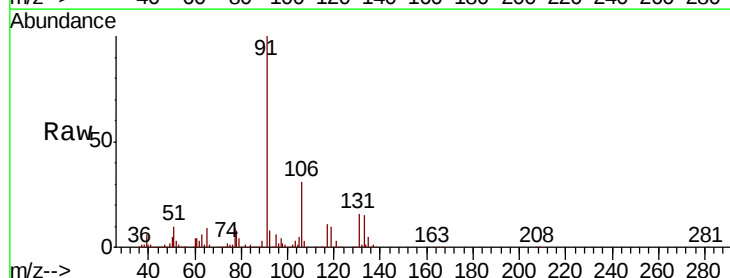
Instrument :
MSVOA_W
ClientSampled :
BFB

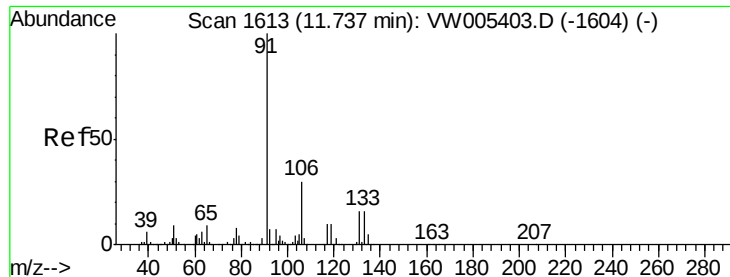
Tgt Ion:112 Resp: 441010
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 48.987 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005423.D
Acq: 17 Sep 2018 10:26

Tgt Ion:131 Resp: 138687
Ion Ratio Lower Upper
131 100
133 96.0 47.3 141.9
119 64.3 31.1 93.5

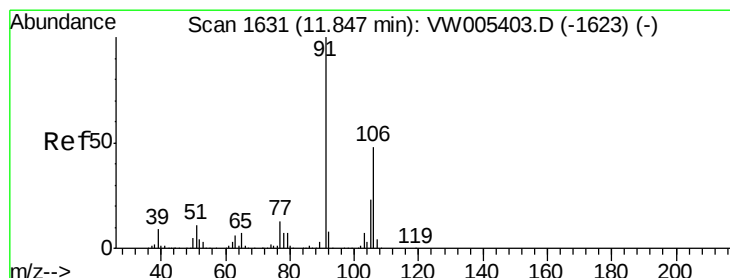
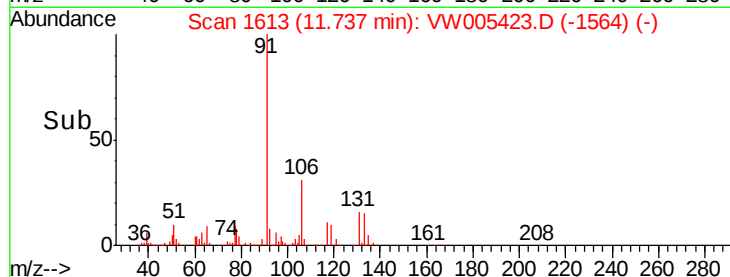
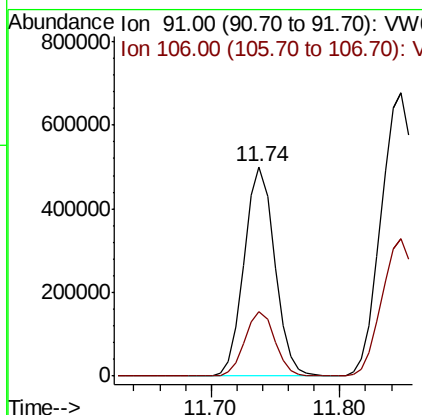
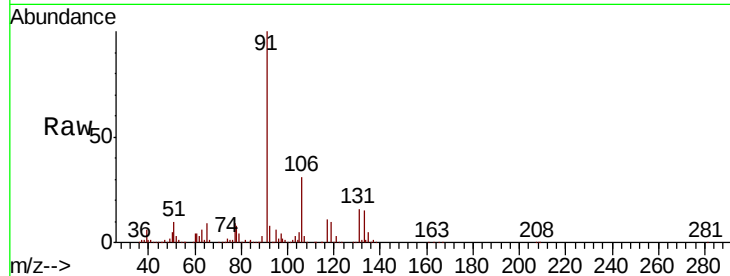




#67
Ethyl Benzene
Concen: 52.691 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005423.D
Acq: 17 Sep 2018 10:26

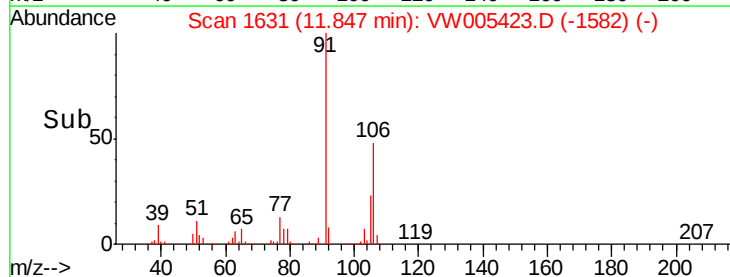
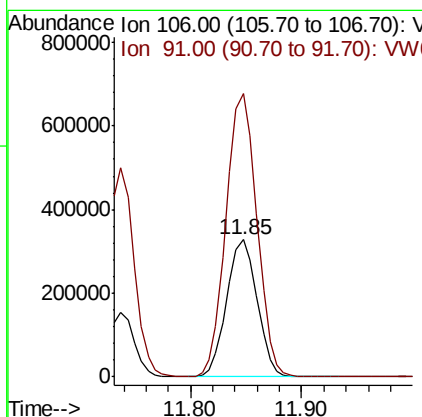
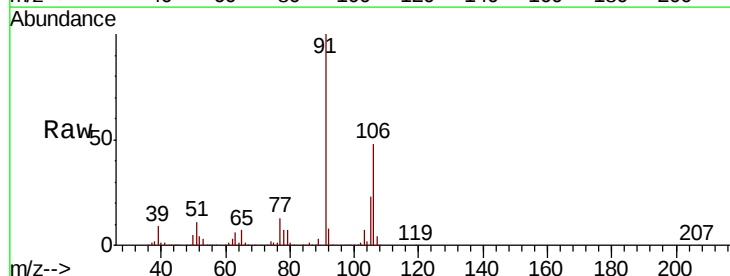
Instrument :
MSVOA_W
ClientSampleId :
BFB

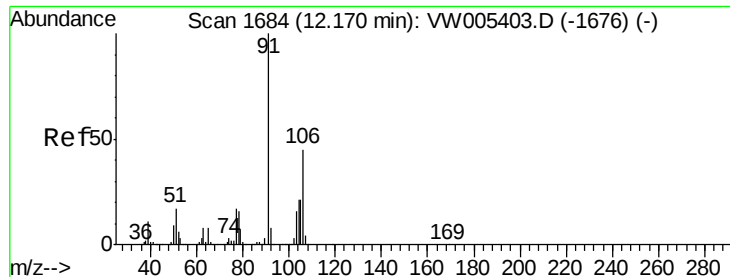
Tgt Ion: 91 Resp: 820770
Ion Ratio Lower Upper
91 100
106 30.8 24.2 36.4



#68
m/p-Xylenes
Concen: 104.570 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW005423.D
Acq: 17 Sep 2018 10:26

Tgt Ion: 106 Resp: 626905
Ion Ratio Lower Upper
106 100
91 208.2 167.9 251.9

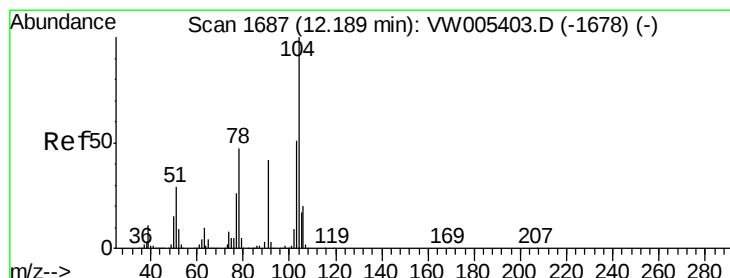
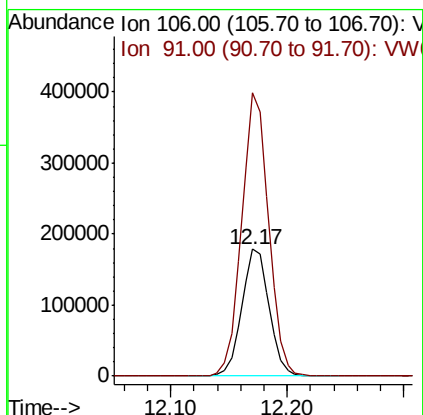
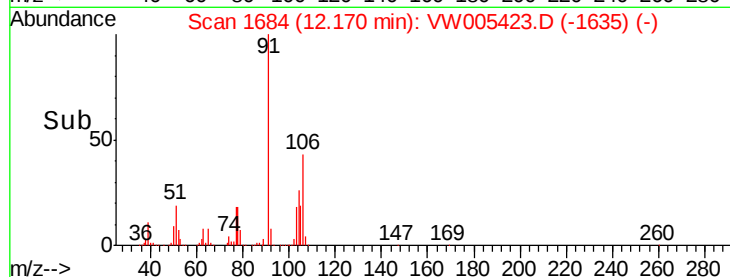
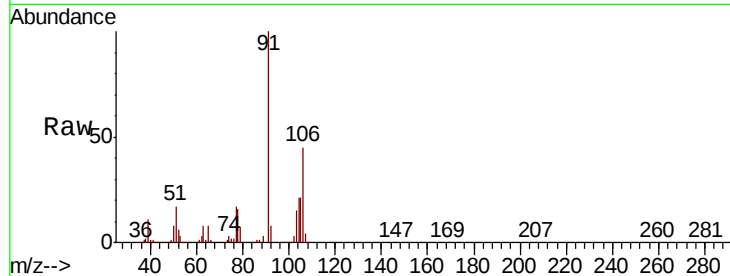




#69
o-Xylene
Concen: 52.518 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005423.D
Acq: 17 Sep 2018 10:26

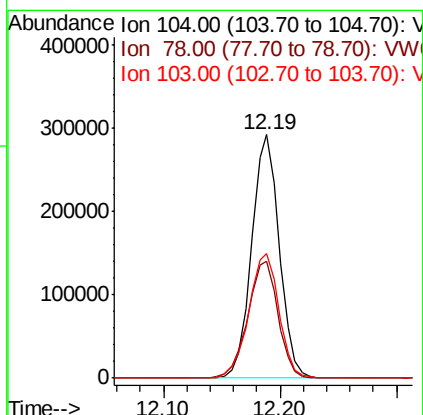
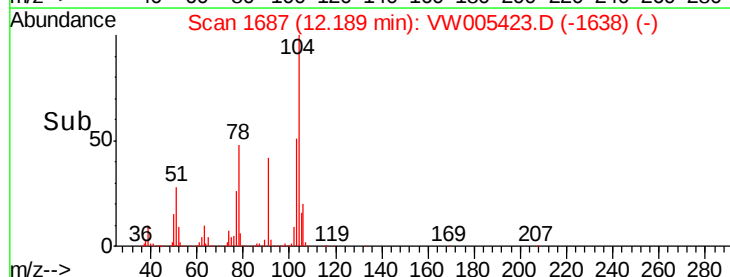
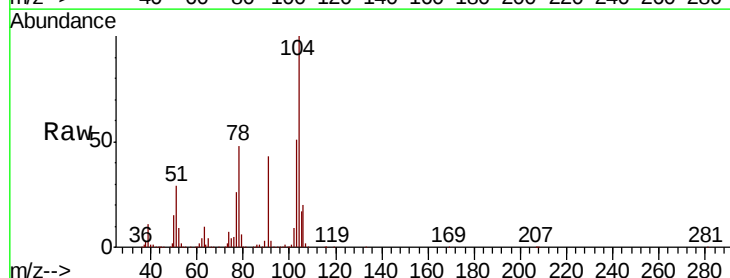
Instrument :
MSVOA_W
ClientSampled :
BFB

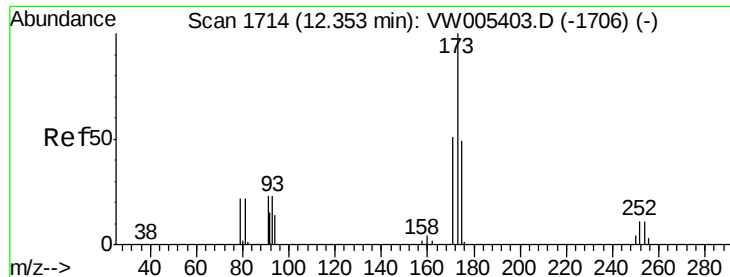
Tgt Ion:106 Resp: 293194
Ion Ratio Lower Upper
106 100
91 219.7 110.6 331.6



#70
Styrene
Concen: 52.365 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005423.D
Acq: 17 Sep 2018 10:26

Tgt Ion:104 Resp: 482452
Ion Ratio Lower Upper
104 100
78 52.9 42.4 63.6
103 56.0 44.8 67.2





#71

Bromoform

Concen: 47.569 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampled :

BFB

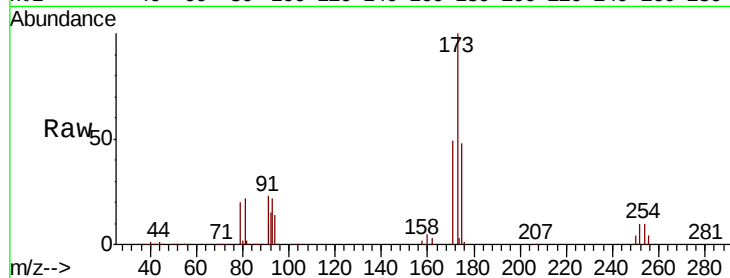
Tgt Ion:173 Resp: 71244

Ion Ratio Lower Upper

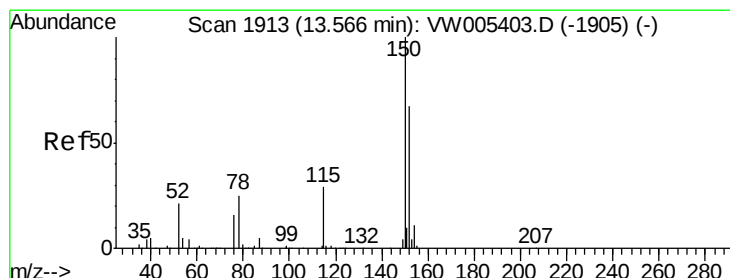
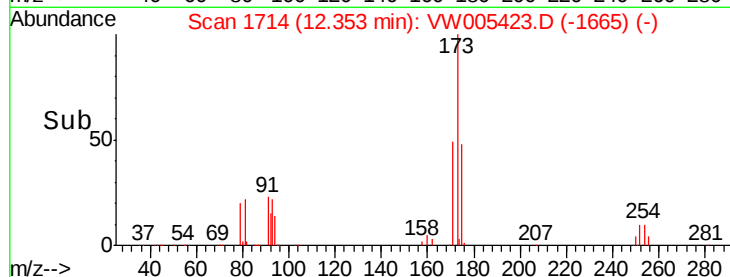
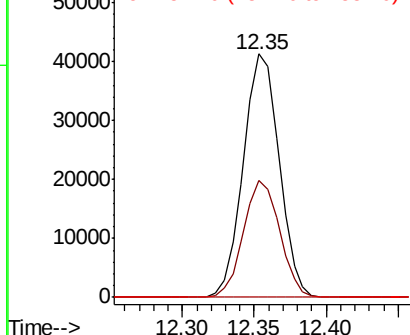
173 100

175 48.4 24.2 72.6

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

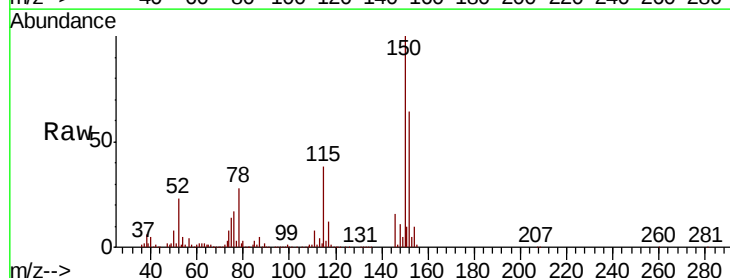
Tgt Ion:152 Resp: 219503

Ion Ratio Lower Upper

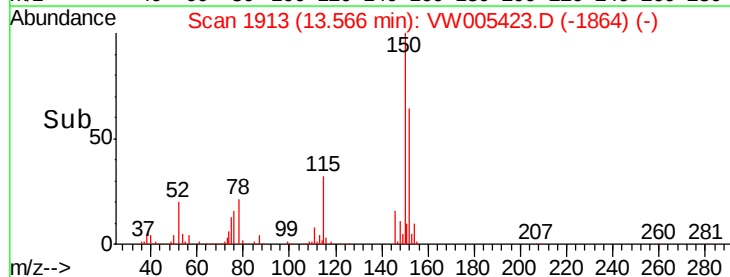
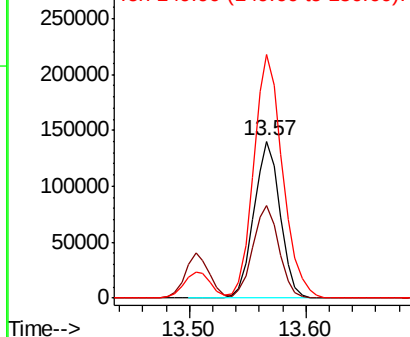
152 100

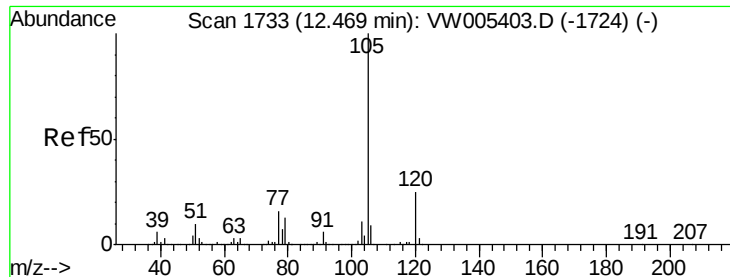
115 58.8 29.5 88.5

150 171.7 0.0 345.6



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: 53.460 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampled :

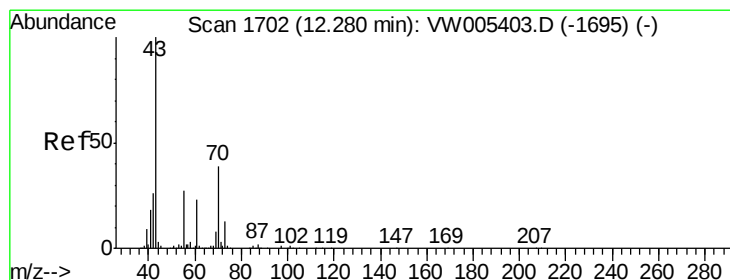
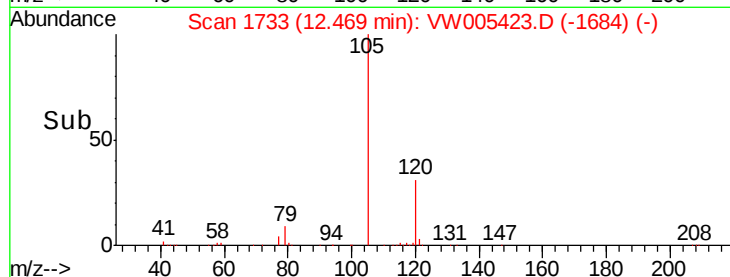
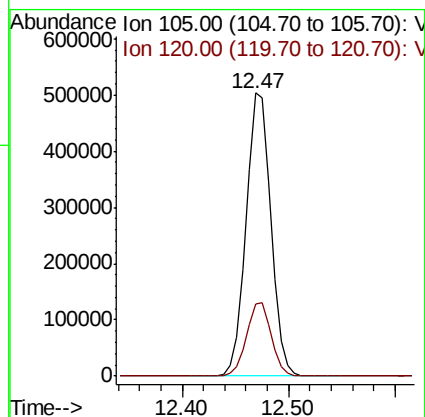
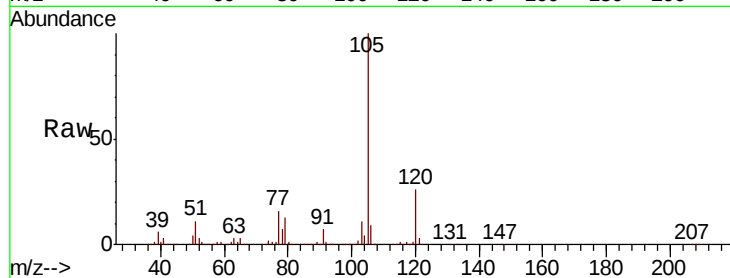
BFB

Tgt Ion:105 Resp: 823273

Ion Ratio Lower Upper

105 100

120 25.9 12.9 38.6



#74

N-ethyl acetate

Concen: 51.580 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Tgt Ion: 43 Resp: 167381

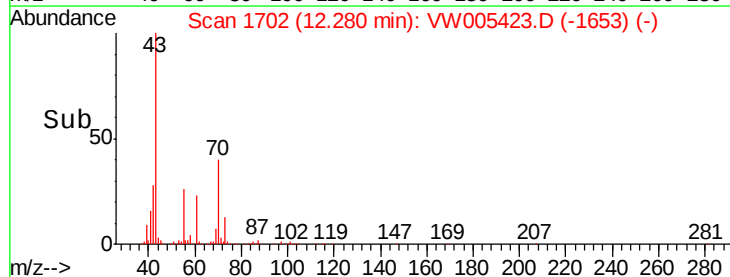
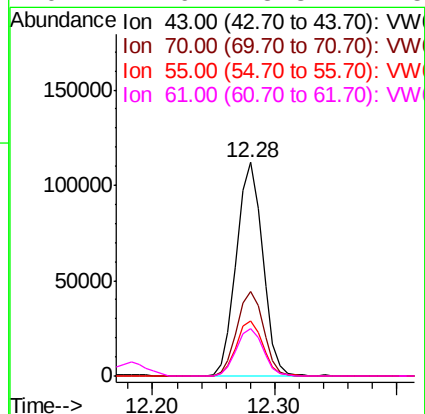
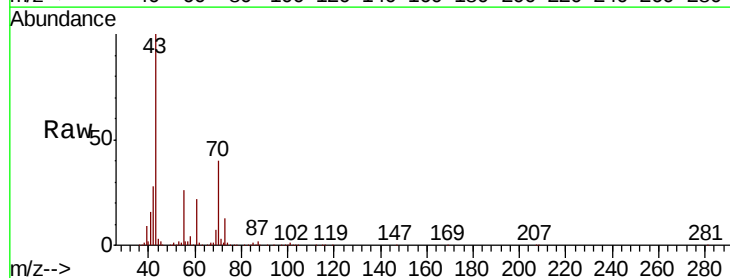
Ion Ratio Lower Upper

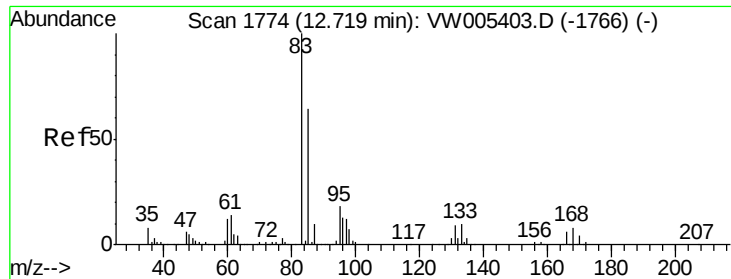
43 100

70 40.2 31.9 47.9

55 26.1 21.4 32.0

61 22.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.733 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampleId :

BFB

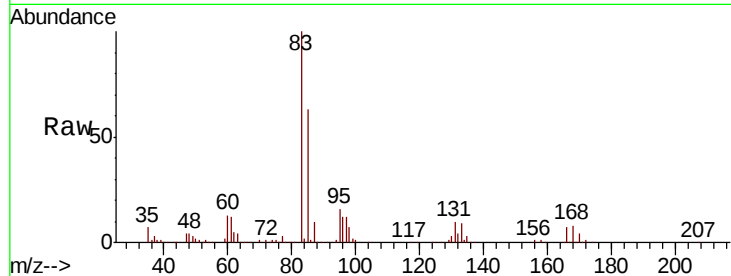
Tgt Ion: 83 Resp: 109480

Ion Ratio Lower Upper

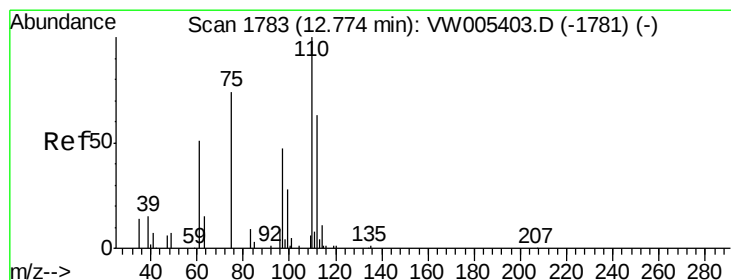
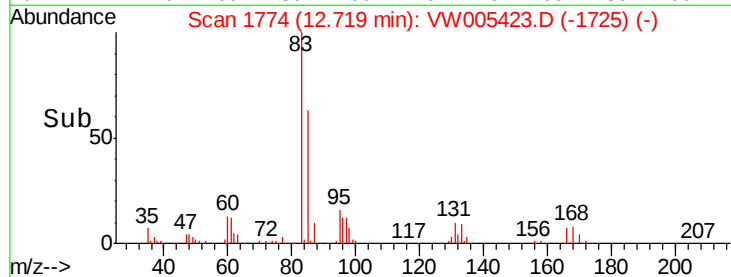
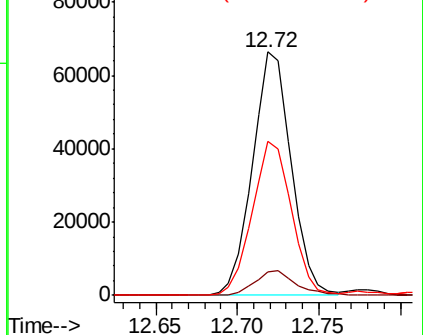
83 100

131 10.9 5.7 17.1

85 63.9 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 90.484 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005423.D

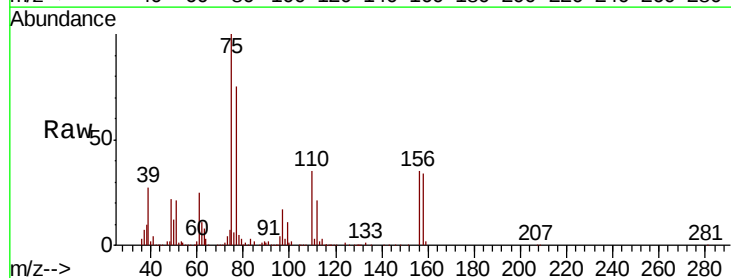
Acq: 17 Sep 2018 10:26

Tgt Ion: 75 Resp: 163357

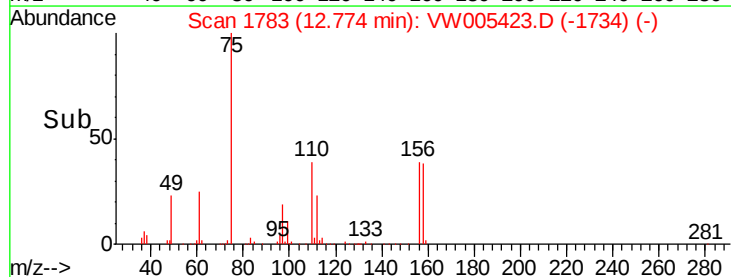
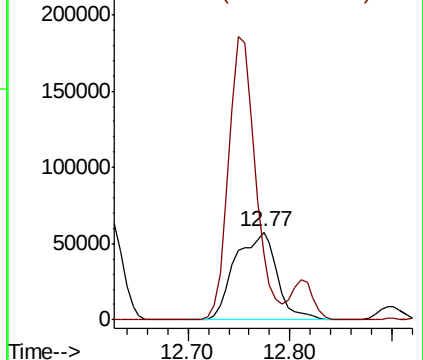
Ion Ratio Lower Upper

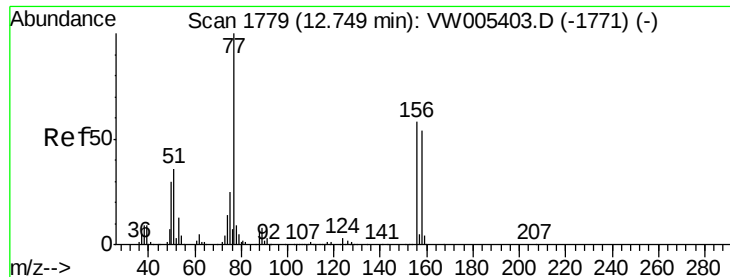
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 49.137 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampleId :

BFB

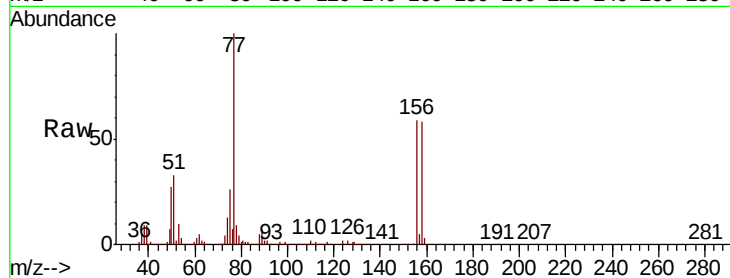
Tgt Ion: 156 Resp: 178901

Ion Ratio Lower Upper

156 100

77 189.4 92.8 278.3

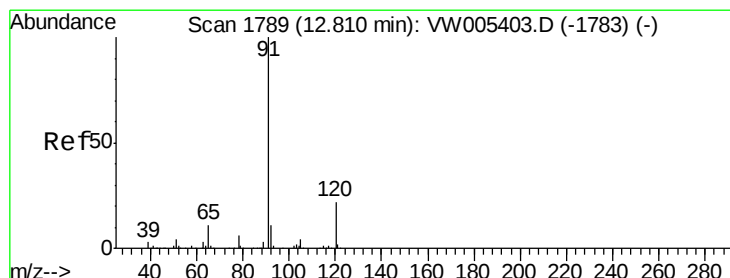
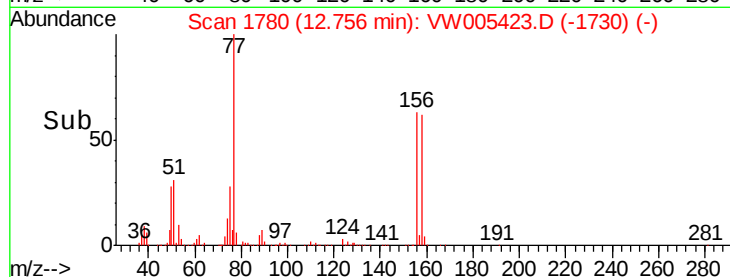
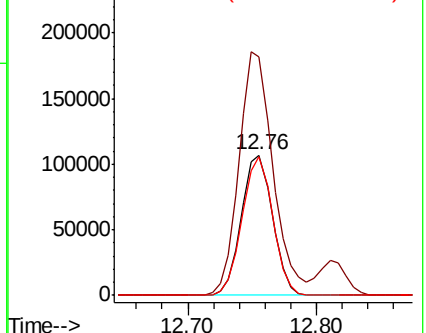
158 96.8 48.2 144.6



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: 53.967 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW005423.D

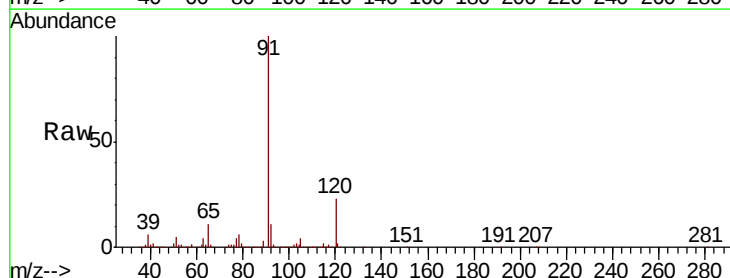
Acq: 17 Sep 2018 10:26

Tgt Ion: 91 Resp: 1003005

Ion Ratio Lower Upper

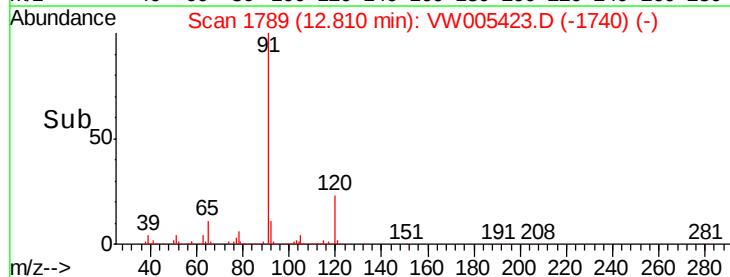
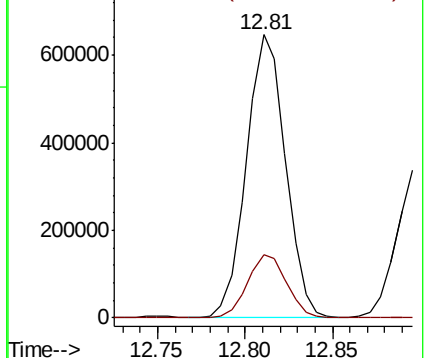
91 100

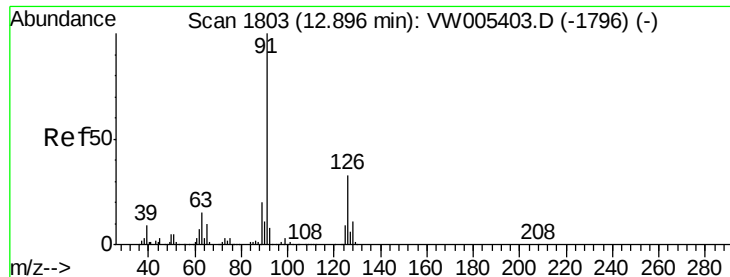
120 22.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.835 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampleId :

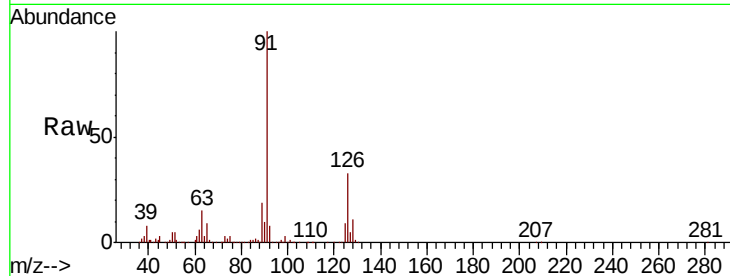
BFB

Tgt Ion: 91 Resp: 568353

Ion Ratio Lower Upper

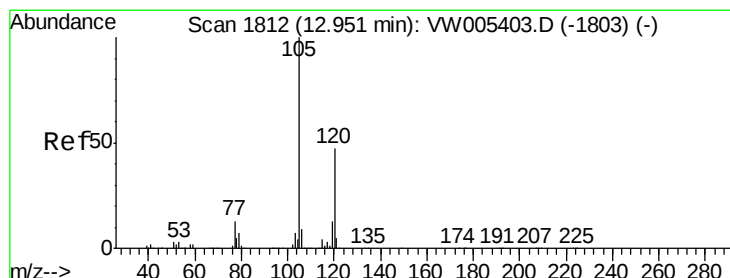
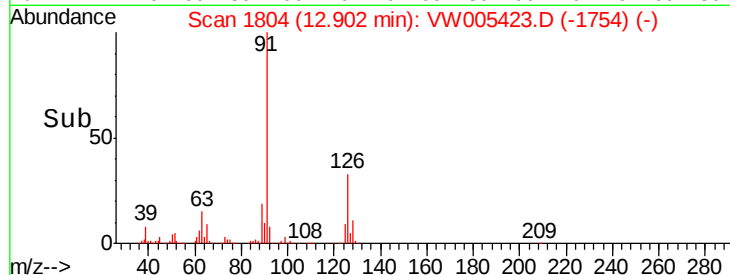
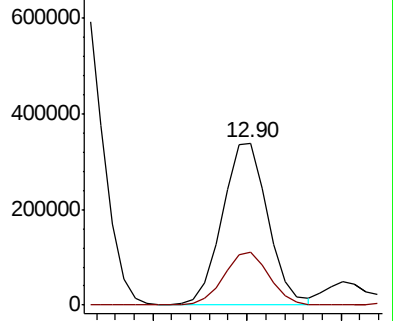
91 100

126 32.5 16.4 49.1



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: 52.519 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW005423.D

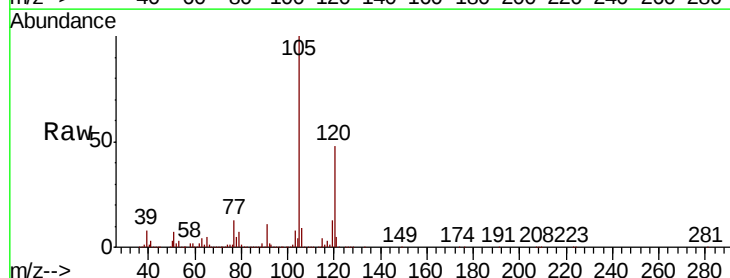
Acq: 17 Sep 2018 10:26

Tgt Ion: 105 Resp: 705704

Ion Ratio Lower Upper

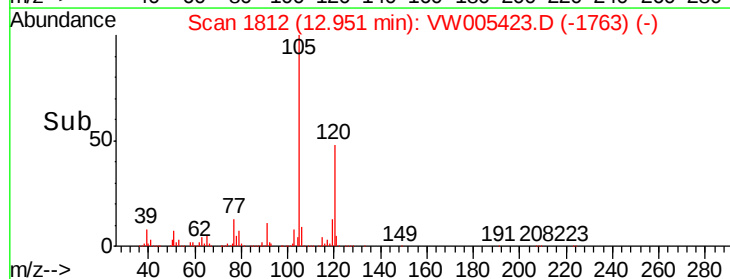
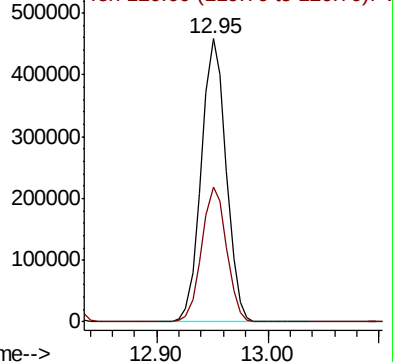
105 100

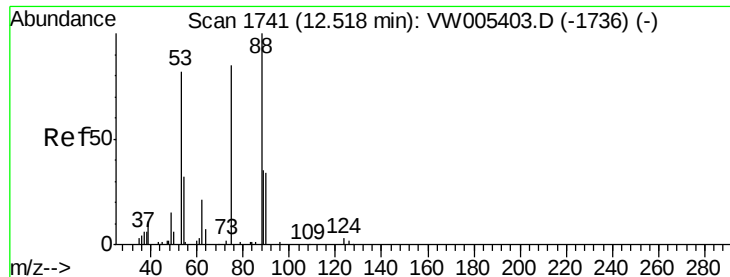
120 47.9 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

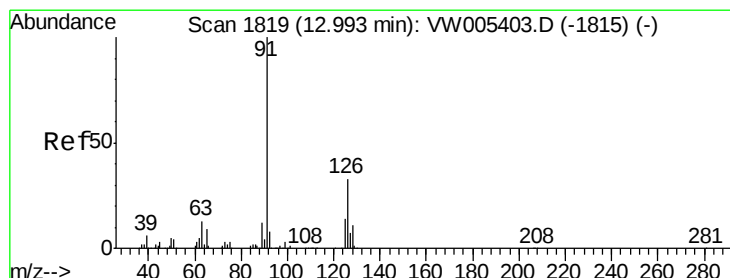
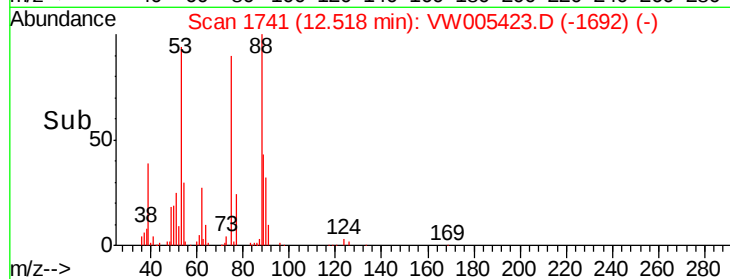
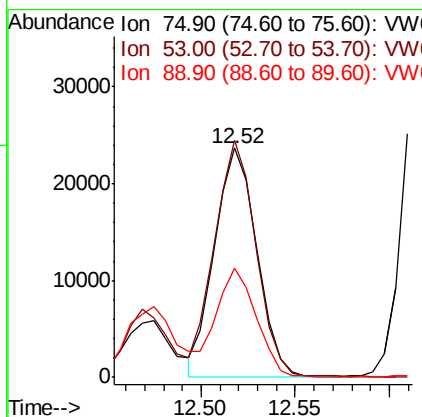
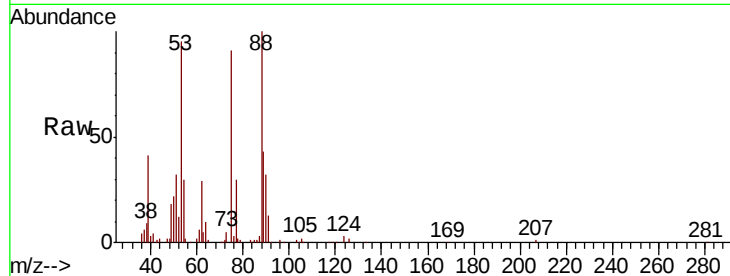




#81
trans-1,4-Dichloro-2-butene
Concen: 52.440 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW005423.D
Acq: 17 Sep 2018 10:26

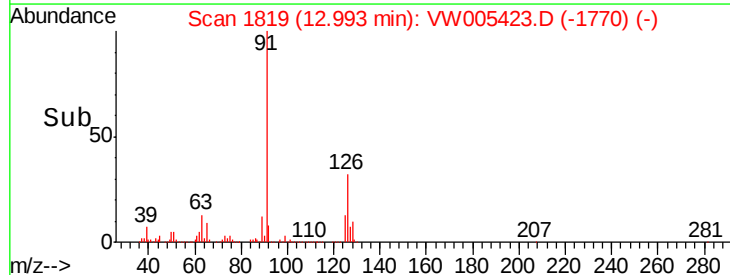
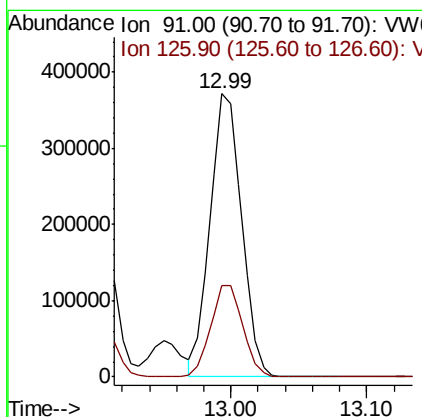
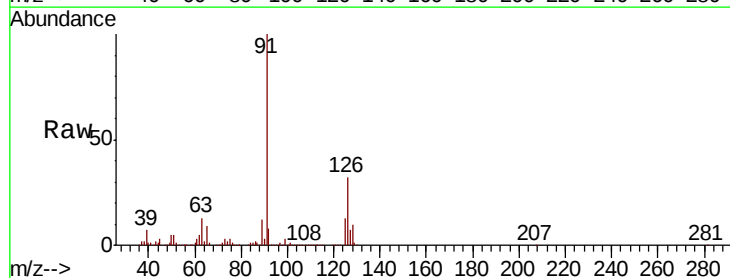
Instrument :
MSVOA_W
ClientSampleId :
BFB

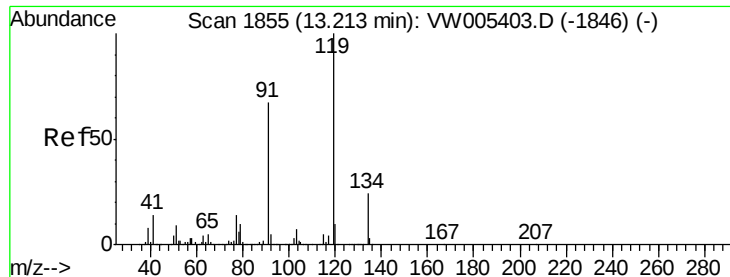
Tgt Ion: 75 Resp: 36496
Ion Ratio Lower Upper
75 100
53 103.4 83.2 124.8
89 44.4 36.6 54.8



#82
4-Chlorotoluene
Concen: 51.637 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW005423.D
Acq: 17 Sep 2018 10:26

Tgt Ion: 91 Resp: 597731
Ion Ratio Lower Upper
91 100
126 32.8 16.4 49.1

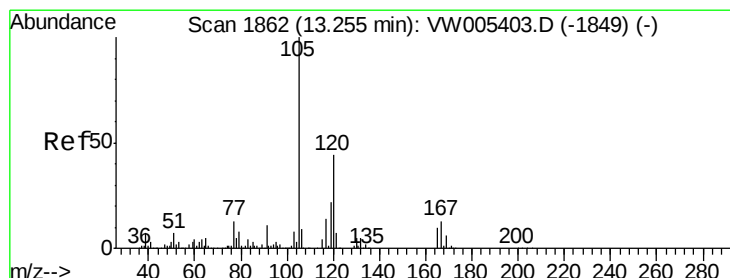
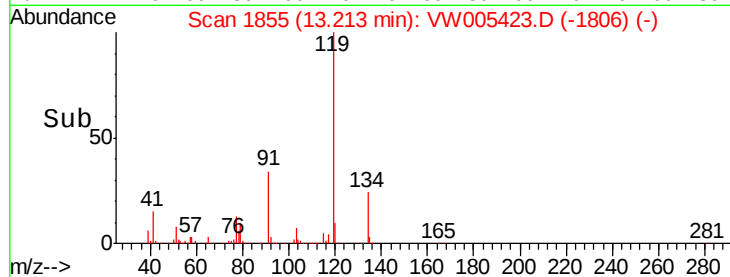
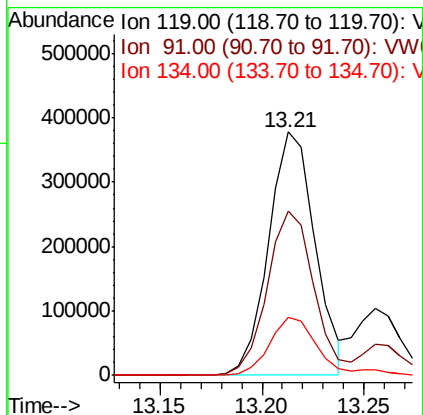
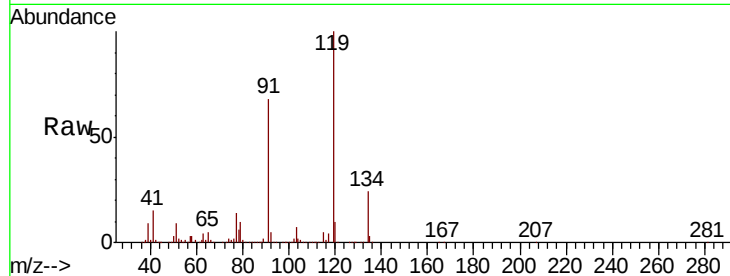




#83
 tert-Butylbenzene
 Concen: 53.853 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

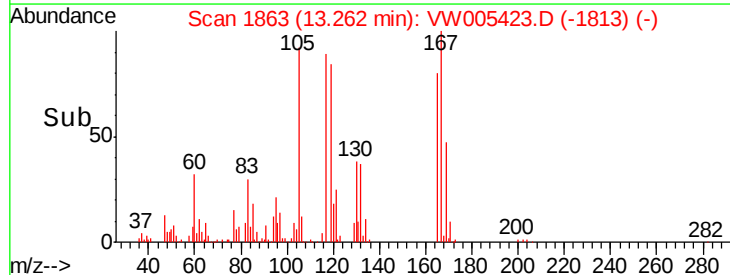
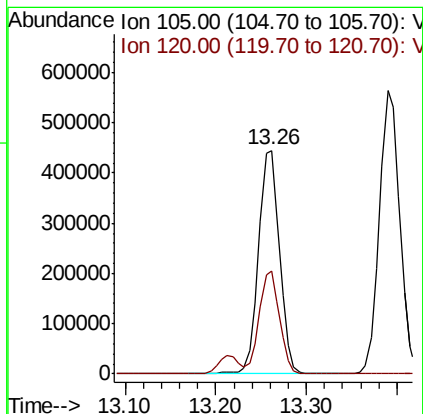
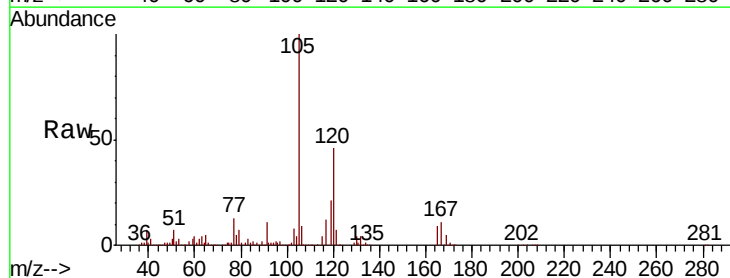
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

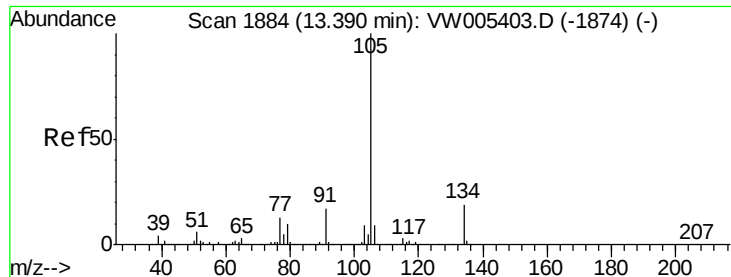
Tgt Ion:119 Resp: 601029
 Ion Ratio Lower Upper
 119 100
 91 68.0 34.4 103.2
 134 25.4 12.7 38.0



#84
 1,2,4-Trimethylbenzene
 Concen: 52.254 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

Tgt Ion:105 Resp: 712852
 Ion Ratio Lower Upper
 105 100
 120 44.6 21.8 65.3

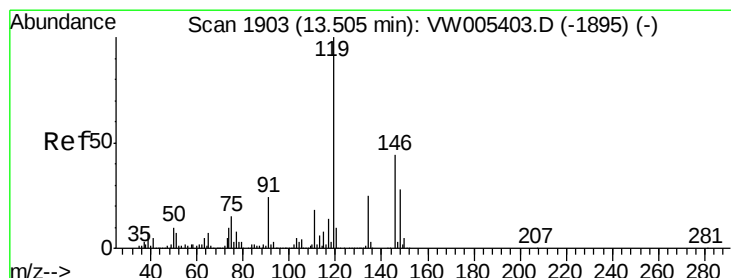
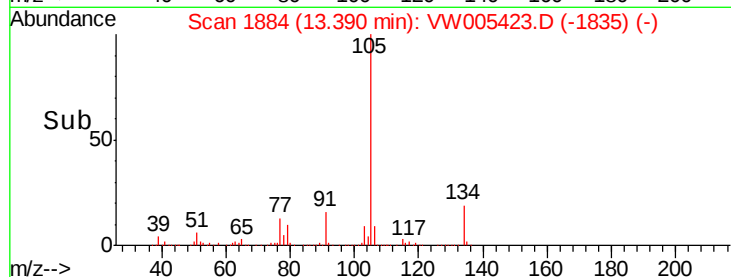
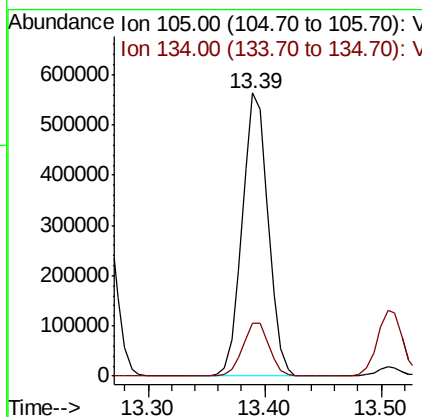
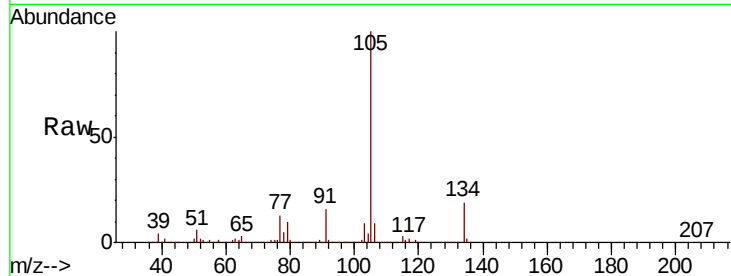




#85
 sec-Butylbenzene
 Concen: 54.375 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

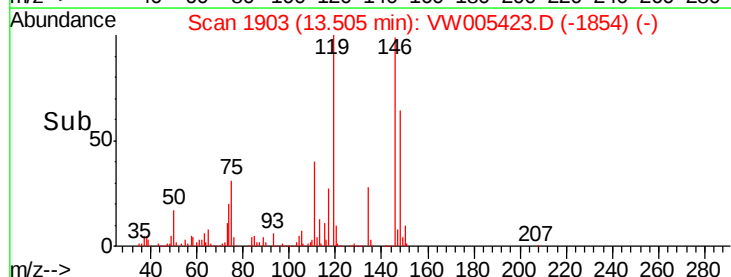
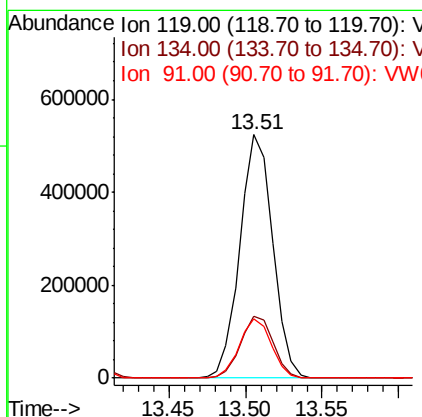
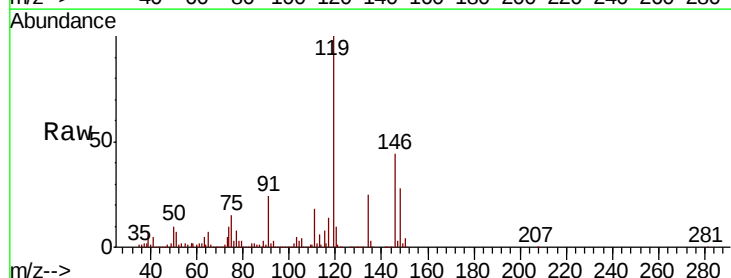
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

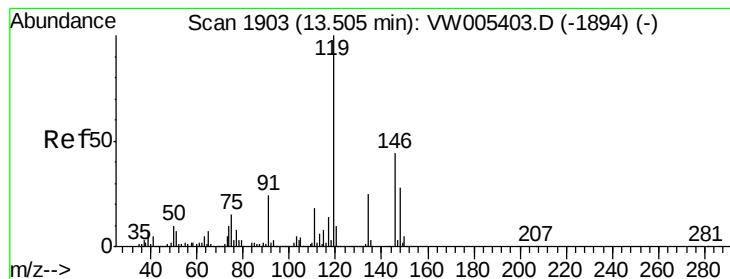
Tgt Ion:105 Resp: 876856
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 54.013 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

Tgt Ion:119 Resp: 778953
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.6 37.8
 91 24.1 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 50.050 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampleId :

BFB

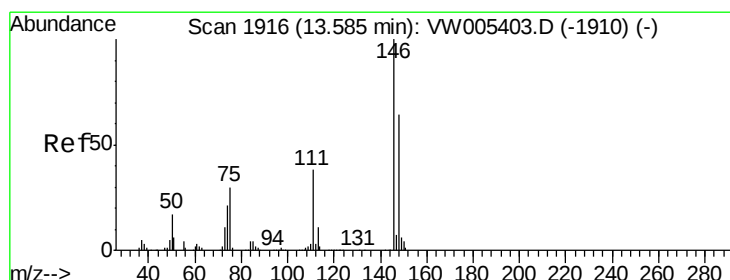
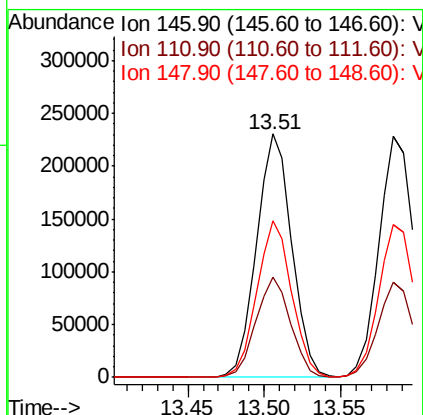
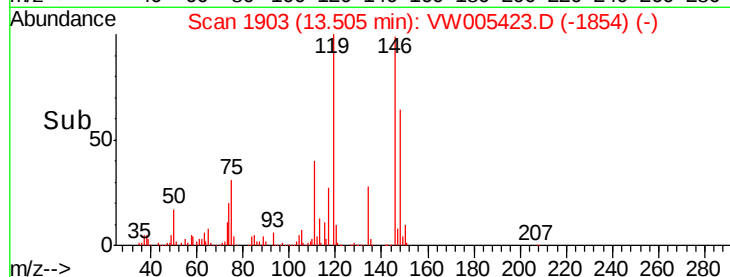
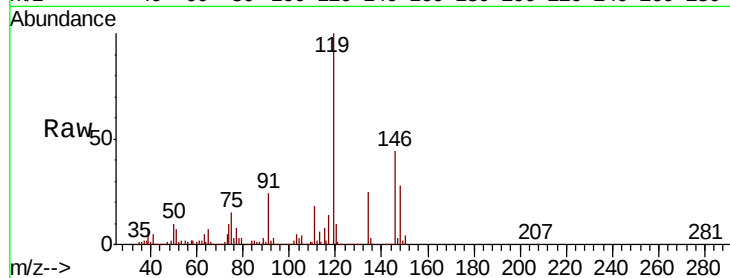
Tgt Ion:146 Resp: 369565

Ion Ratio Lower Upper

146 100

111 40.3 20.4 61.2

148 63.6 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 50.067 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

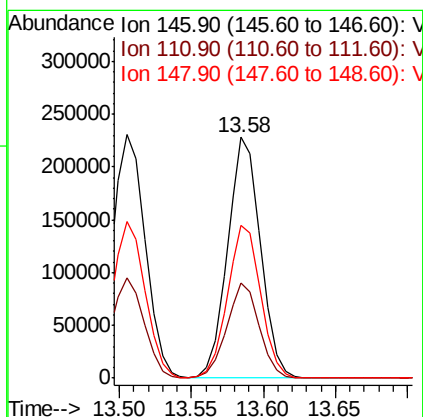
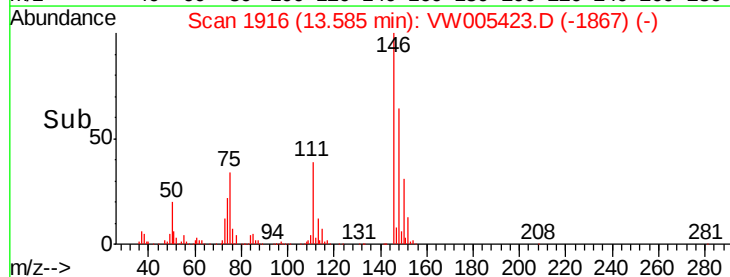
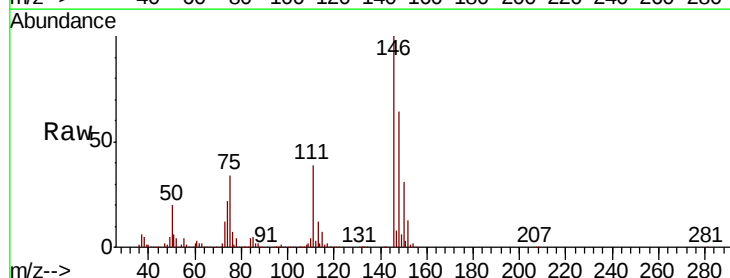
Tgt Ion:146 Resp: 364056

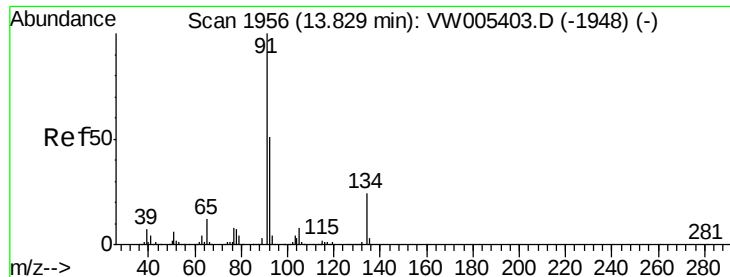
Ion Ratio Lower Upper

146 100

111 39.0 19.6 58.8

148 63.9 31.8 95.4





#89

n-Butylbenzene

Concen: 56.117 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VW005423.D

Acq: 17 Sep 2018 10:26

Instrument :

MSVOA_W

ClientSampleId :

BFB

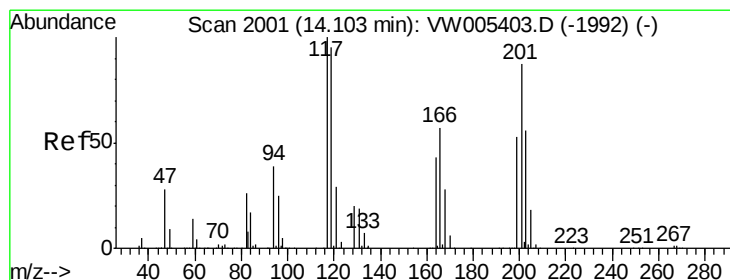
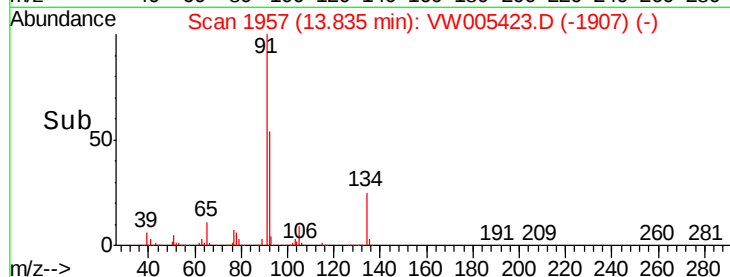
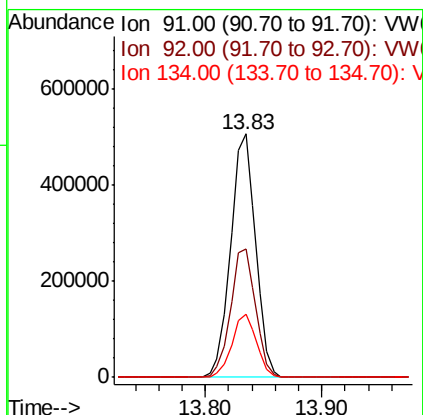
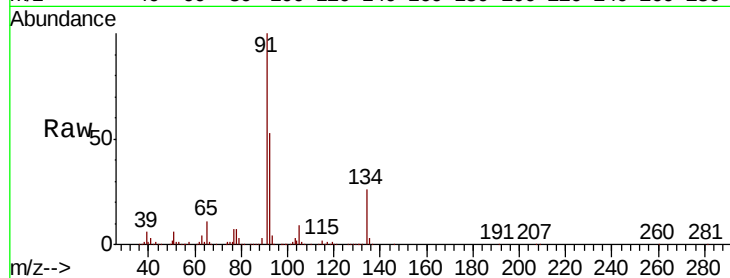
Tgt Ion: 91 Resp: 753605

Ion Ratio Lower Upper

91 100

92 52.9 26.2 78.6

134 25.5 12.7 38.1



#90

Hexachloroethane

Concen: 50.990 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.00 min

Lab File: VW005423.D

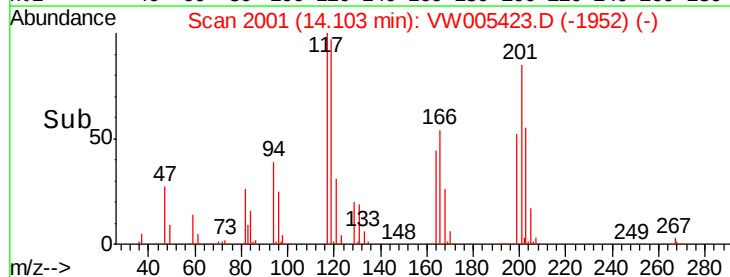
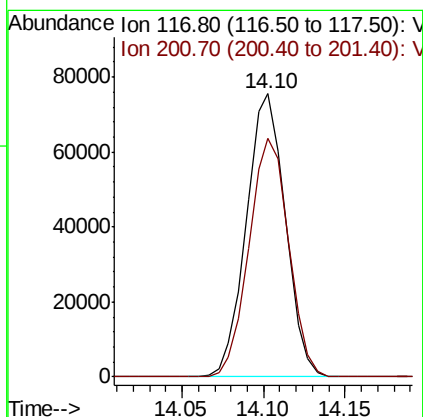
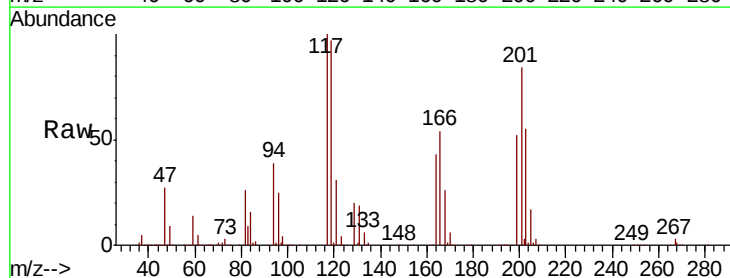
Acq: 17 Sep 2018 10:26

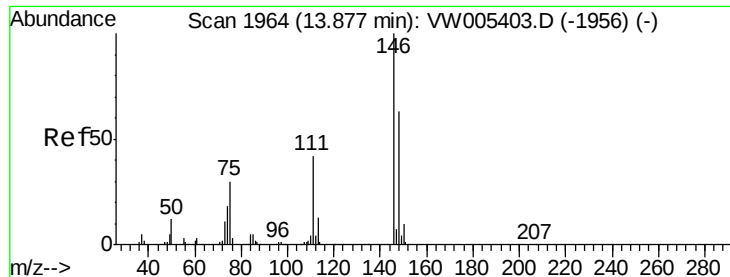
Tgt Ion: 117 Resp: 125996

Ion Ratio Lower Upper

117 100

201 85.5 42.5 127.5

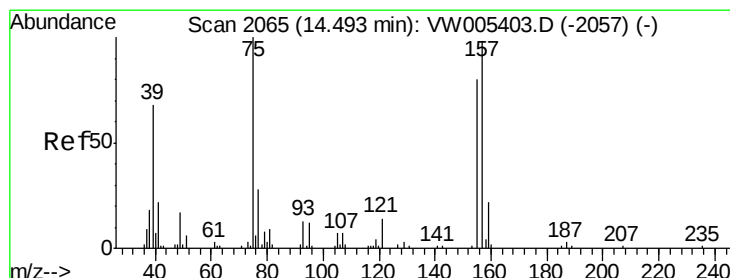
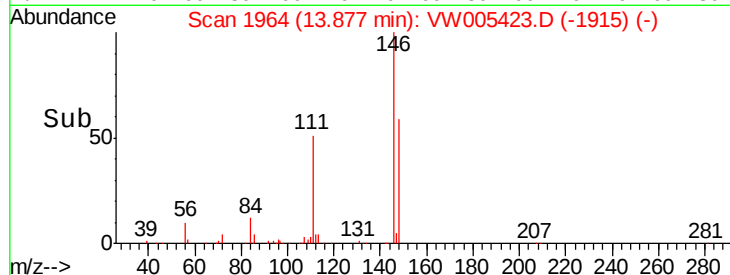
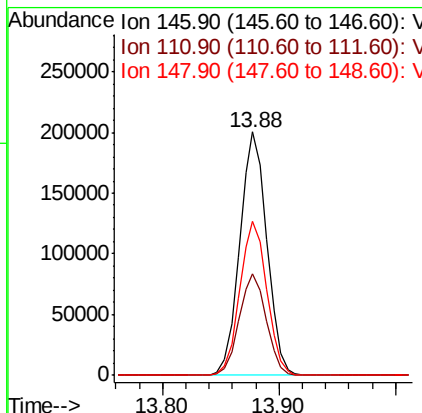
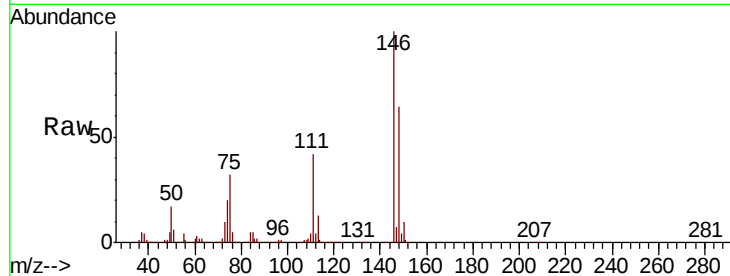




#91
 1,2-Dichlorobenzene
 Concen: 50.243 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

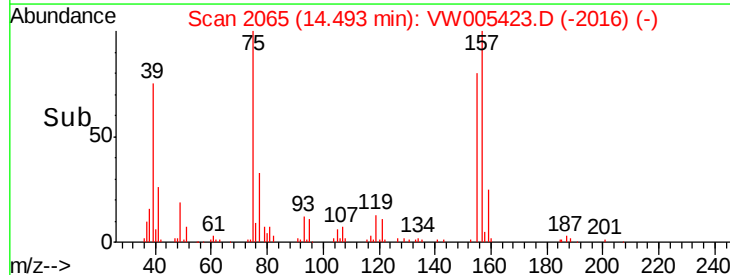
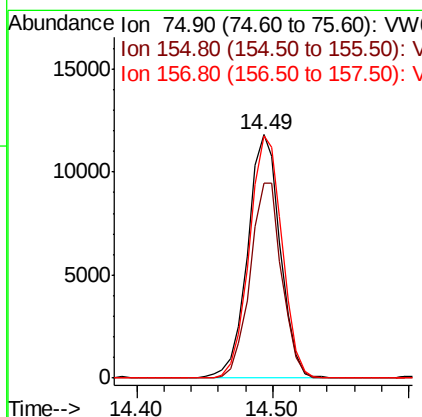
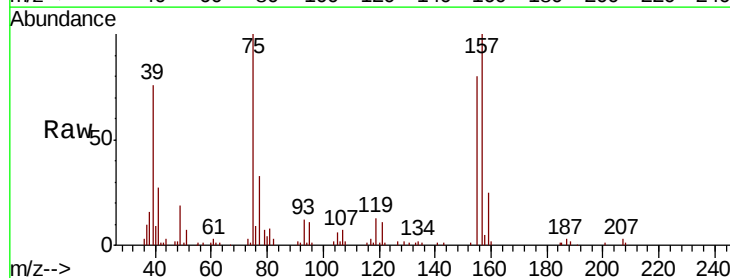
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

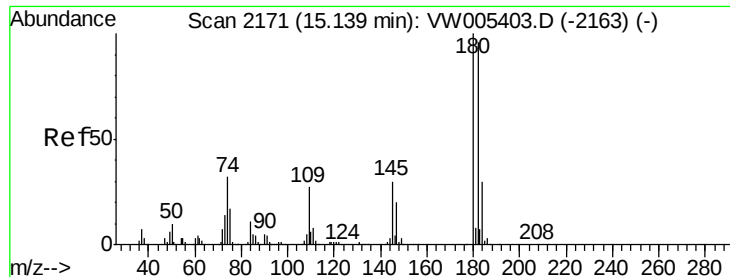
Tgt Ion: 146 Resp: 324216
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.0 63.0
 148 63.6 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.834 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

Tgt Ion: 75 Resp: 19776
 Ion Ratio Lower Upper
 75 100
 155 78.1 39.0 117.0
 157 99.9 49.9 149.6

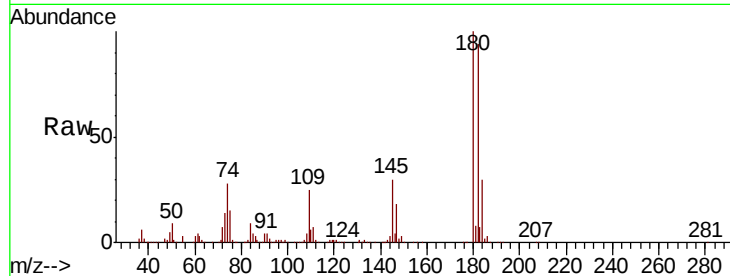




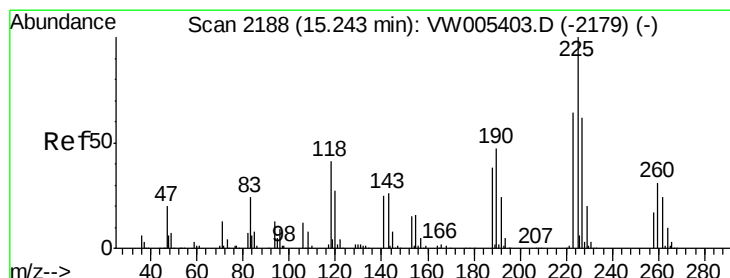
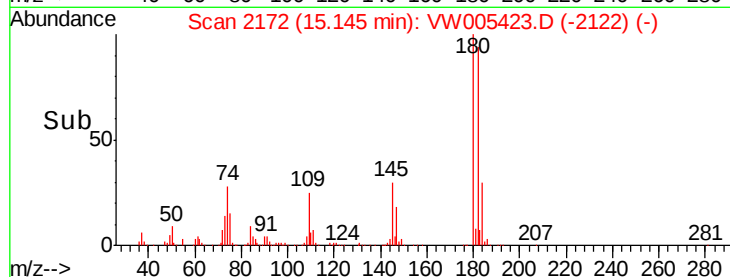
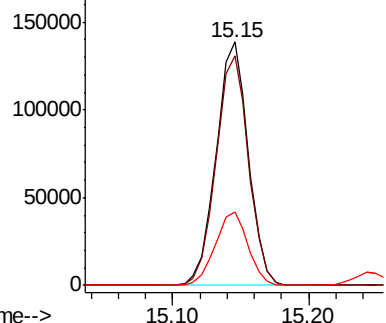
#93
 1,2,4-Trichlorobenzene
 Concen: 53.335 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 229640
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.3 141.9
 145 30.6 14.8 44.3

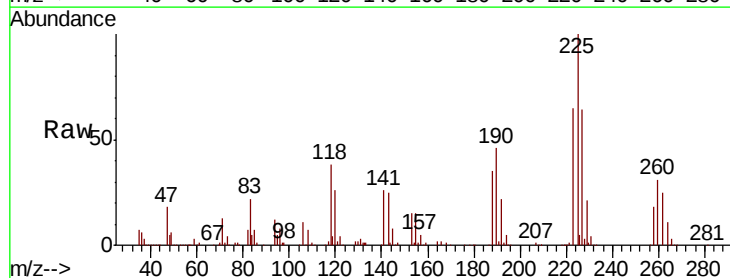


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

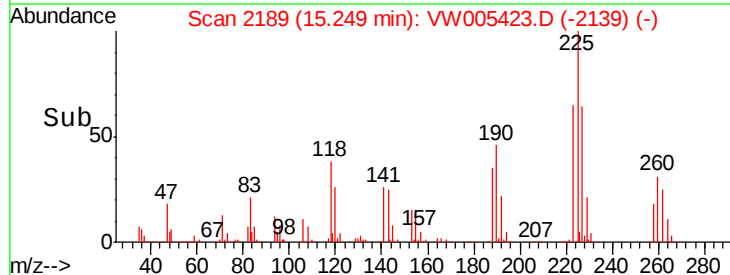
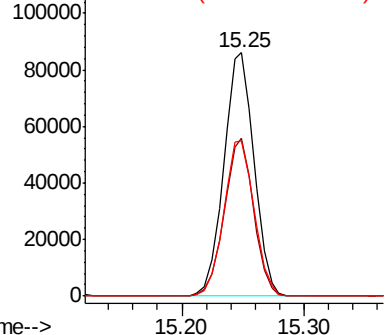


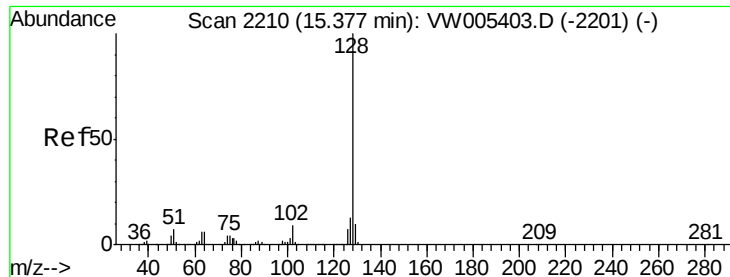
#94
 Hexachlorobutadiene
 Concen: 52.668 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW005423.D
 Acq: 17 Sep 2018 10:26

Tgt Ion:225 Resp: 148086
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.2 93.6
 227 64.1 31.6 95.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

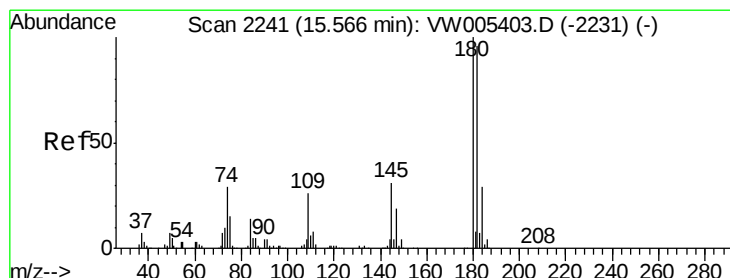
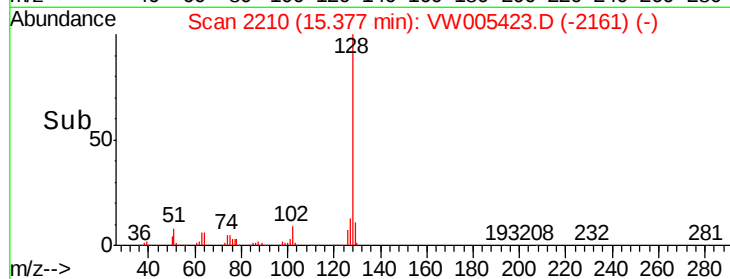
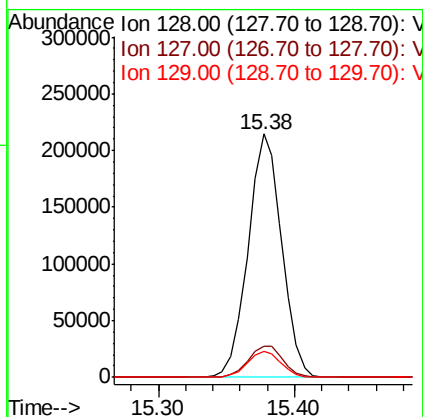
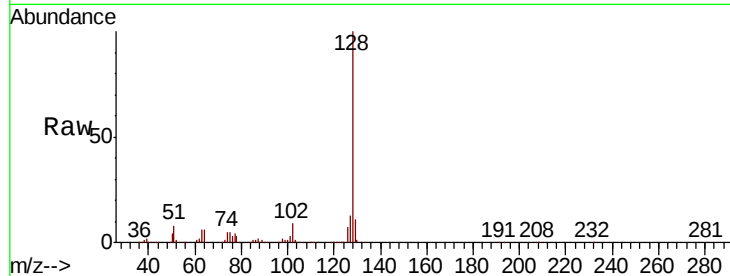




#95
Naphthalene
Concen: 51.792 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005423.D
Acq: 17 Sep 2018 10:26

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tgt Ion:128 Resp: 371589
Ion Ratio Lower Upper
128 100
127 13.4 11.0 16.4
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.333 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW005423.D
Acq: 17 Sep 2018 10:26

Tgt Ion:180 Resp: 192895
Ion Ratio Lower Upper
180 100
182 95.8 48.1 144.4
145 32.6 15.9 47.7

