

Data File : VW008969.D
Acq On : 04 Mar 2019 18:22
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Quant Time: Mar 05 06:27:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	267679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	369273	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	363684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	205505	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127591	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
35) Dibromofluoromethane	7.88	113	112384	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.32	98	452157	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
62) 4-Bromofluorobenzene	12.62	95	176862	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	134520	50.175	ug/l	100
3) Chloromethane	2.21	50	164851	50.513	ug/l	98
4) Vinyl Chloride	2.35	62	166473	48.178	ug/l	100
5) Bromomethane	2.75	94	133943	52.190	ug/l	95
6) Chloroethane	2.91	64	120025	48.917	ug/l	97
7) Trichlorofluoromethane	3.25	101	230049	52.641	ug/l	96
8) Diethyl Ether	3.68	74	70705	51.104	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	139799	52.679	ug/l	100
10) Methyl Iodide	4.27	142	145915	43.970	ug/l	98
11) Tert butyl alcohol	5.17	59	58967	263.823	ug/l	99
12) 1,1-Dichloroethene	4.04	96	120553	51.437	ug/l	99
13) Acrolein	3.89	56	69134	289.825	ug/l	100
14) Allyl chloride	4.67	41	207742	51.358	ug/l	97
15) Acrylonitrile	5.37	53	180968	304.777	ug/l	99
16) Acetone	4.12	43	180552	310.262	ug/l	97
17) Carbon Disulfide	4.37	76	394445	50.725	ug/l	100
18) Methyl Acetate	4.67	43	87235	63.201	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	346905	54.685	ug/l	97
20) Methylene Chloride	4.92	84	158082	55.730	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	141822	52.312	ug/l	93
22) Diisopropyl ether	6.31	45	440364	54.574	ug/l	97
23) Vinyl Acetate	6.26	43	1392804	279.369	ug/l	99
24) 1,1-Dichloroethane	6.21	63	250173	53.503	ug/l	100
25) 2-Butanone	7.17	43	241252	296.531	ug/l	99
26) 2,2-Dichloropropane	7.17	77	219116	51.616	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	154710	53.348	ug/l	97
28) Bromochloromethane	7.51	49	101515	51.881	ug/l	100
29) Tetrahydrofuran	7.52	42	158090	304.915	ug/l	99
30) Chloroform	7.67	83	262579	54.739	ug/l	99
31) Cyclohexane	7.95	56	229861	48.565	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	235054	53.883	ug/l	99
36) 1,1-Dichloropropene	8.08	75	198894	55.331	ug/l	99
37) Ethyl Acetate	7.25	43	106088	63.465	ug/l	99
38) Carbon Tetrachloride	8.07	117	210801	55.607	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	248038	55.320	ug/l	98
40) Benzene	8.32	78	564271	57.494	ug/l	99
41) Methacrylonitrile	7.49	41	60607	61.682	ug/l	94
42) 1,2-Dichloroethane	8.40	62	182808	58.799	ug/l	100
43) Isopropyl Acetate	8.42	43	203881	61.112	ug/l	98
44) Trichloroethene	9.09	130	153339	55.461	ug/l	95
45) 1,2-Dichloropropane	9.37	63	138964	57.298	ug/l	96
46) Dibromomethane	9.46	93	81045	60.076	ug/l	96
47) Bromodichloromethane	9.65	83	190056	57.904	ug/l	98
48) Methyl methacrylate	9.43	41	97306	60.899	ug/l	98
49) 1,4-Dioxane	9.45	88	26965	1248.167	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	570240	336.670	ug/l	100
52) Toluene	10.39	92	391369	58.757	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	196649	58.781	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	219622	57.559	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	108562	59.339	ug/l	96
56) Ethyl methacrylate	10.65	69	154244	64.892	ug/l	98
57) 1,3-Dichloropropane	10.93	76	193314	59.846	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	348787	291.759	ug/l	99
59) 2-Hexanone	10.97	43	415902	344.948	ug/l	99
60) Dibromochloromethane	11.13	129	133889	59.999	ug/l	99
61) 1,2-Dibromoethane	11.24	107	108495	59.911	ug/l	100
64) Tetrachloroethene	10.86	164	145608	55.932	ug/l	99
65) Chlorobenzene	11.66	112	434711	56.846	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	143680	55.567	ug/l	98
67) Ethyl Benzene	11.73	91	784236	57.367	ug/l	98
68) m/p-Xylenes	11.84	106	621059	113.703	ug/l	100
69) o-Xylene	12.17	106	289492	56.466	ug/l	98
70) Styrene	12.18	104	479163	58.093	ug/l	99
71) Bromoform	12.35	173	84014	60.446	ug/l #	99
73) Isopropylbenzene	12.47	105	795707	56.480	ug/l	99
74) N-amyl acetate	12.27	43	226519	63.831	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	140403	60.993	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	191426	112.821	ug/l #	100
77) Bromobenzene	12.75	156	190426	57.199	ug/l	98
78) n-propylbenzene	12.80	91	987922	57.327	ug/l	100
79) 2-Chlorotoluene	12.90	91	551560	56.372	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	690745	56.420	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	42207	60.475	ug/l	95
82) 4-Chlorotoluene	12.99	91	583954	56.636	ug/l	99
83) tert-Butylbenzene	13.21	119	585741	55.332	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	705696	55.683	ug/l	100
85) sec-Butylbenzene	13.38	105	865253	56.844	ug/l	99
86) p-Isopropyltoluene	13.50	119	784796	56.241	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	383900	55.579	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	380375	55.874	ug/l	100
89) n-Butylbenzene	13.83	91	738975	56.527	ug/l	99
90) Hexachloroethane	14.10	117	134101	58.704	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	348691	56.656	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	28166	67.640	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030519\
Quantitation Report (Not Reviewed)

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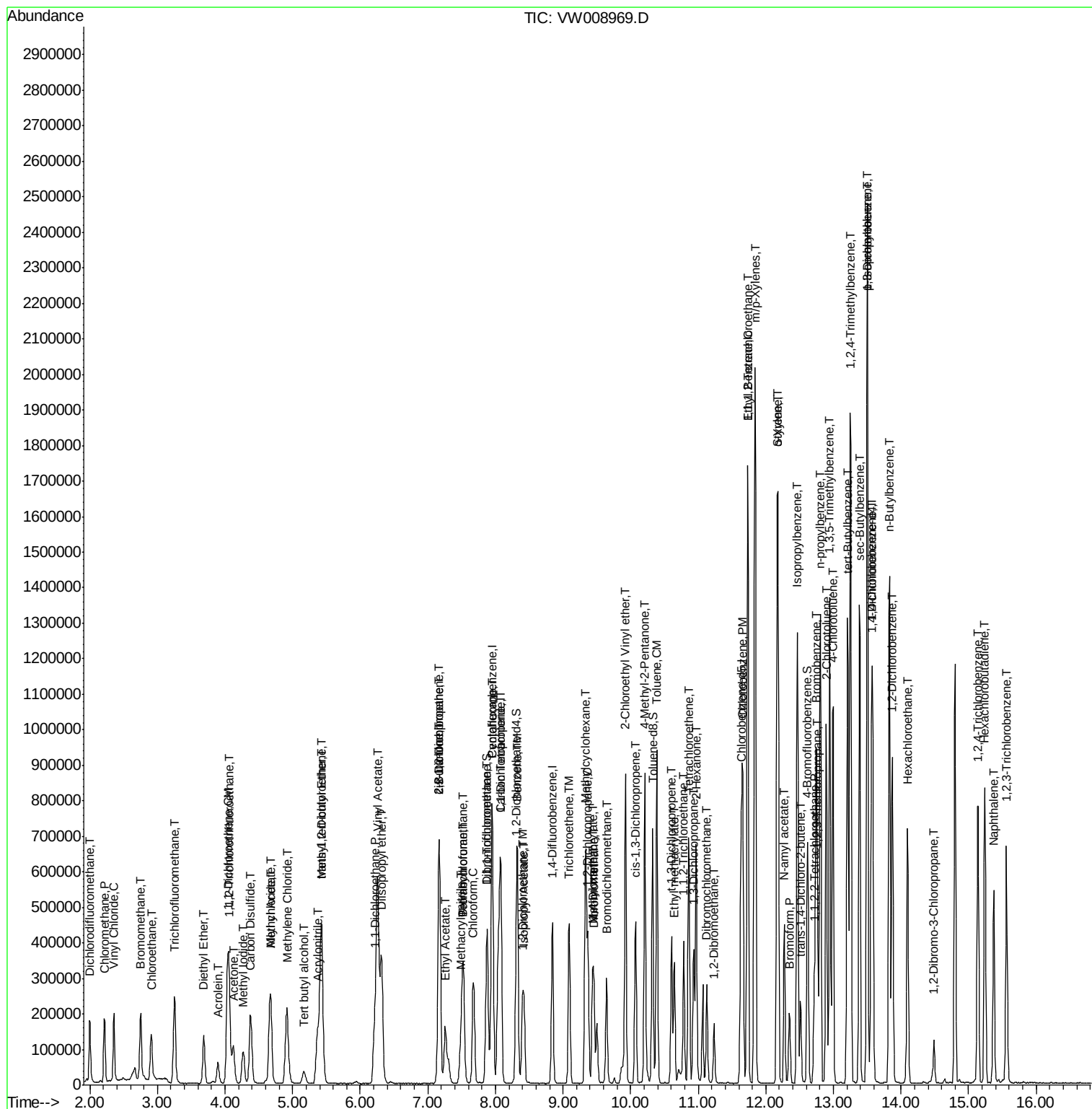
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	246300	55.542	ug/l	99
94) Hexachlorobutadiene	15.24	225	153856	58.903	ug/l	99
95) Naphthalene	15.37	128	442853	58.655	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	216533	56.475	ug/l	98

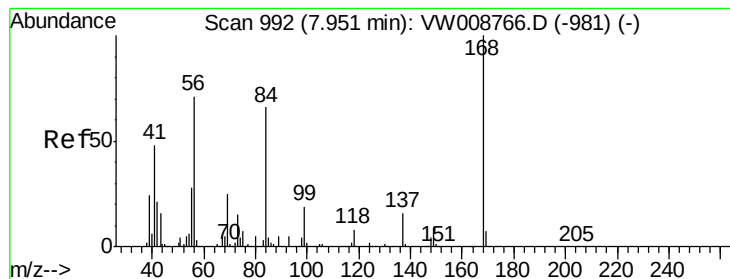
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

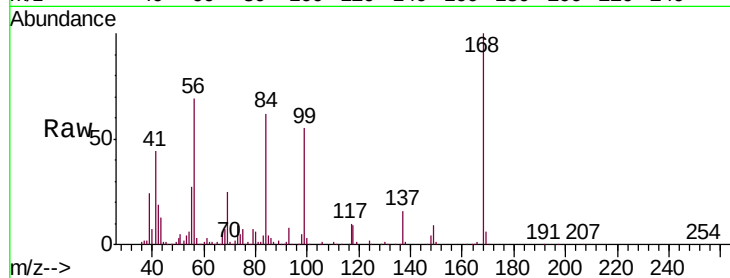
BFB

Tgt Ion:168 Resp: 267679

Ion Ratio Lower Upper

168 100

99 55.3 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

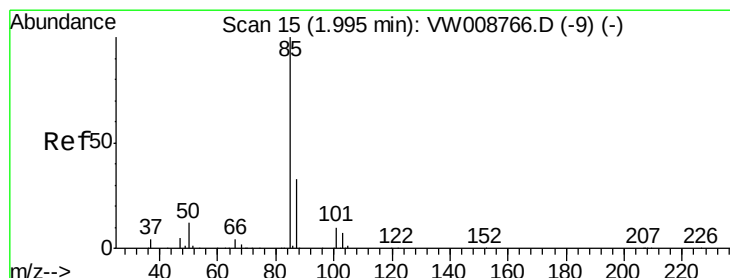
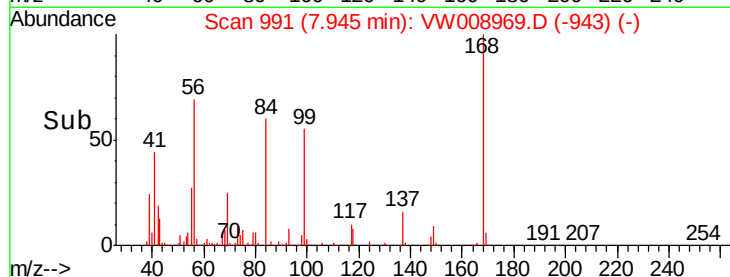
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.175 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008969.D

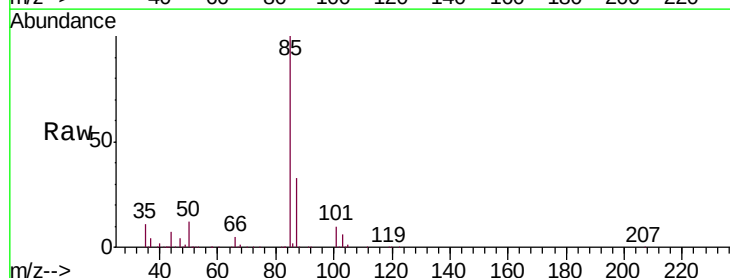
Acq: 04 Mar 2019 18:22

Tgt Ion: 85 Resp: 134520

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

100000

80000

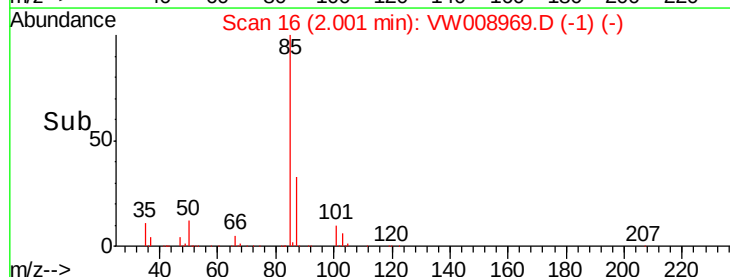
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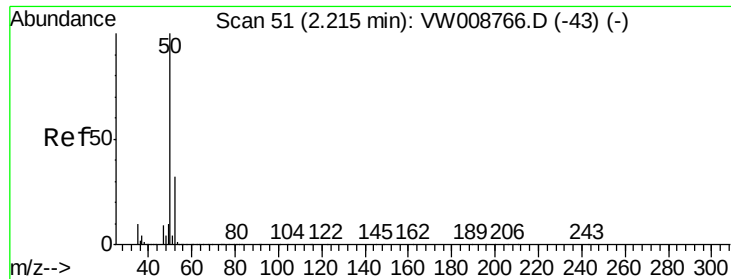
40000

20000

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Time-->





#3

Chloromethane

Concen: 50.513 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

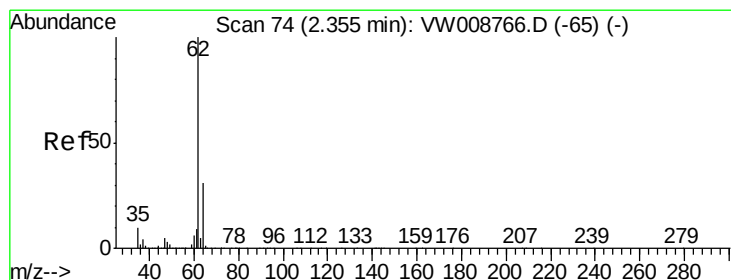
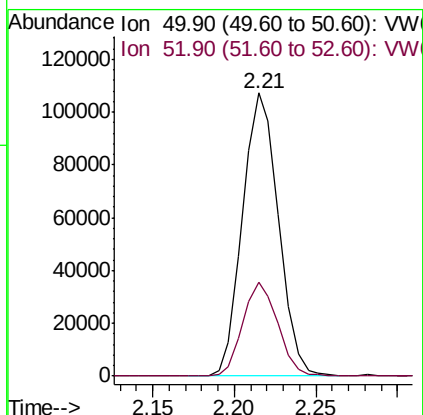
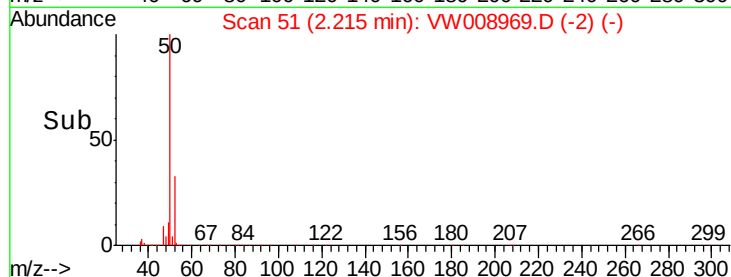
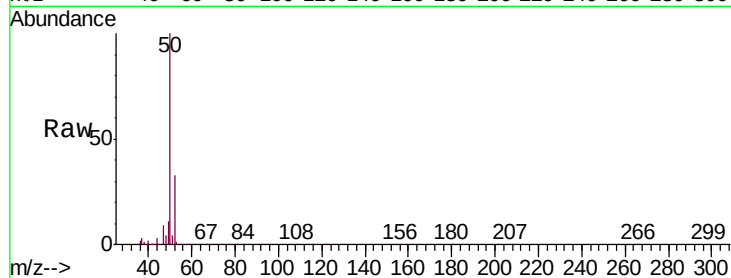
BFB

Tgt Ion: 50 Resp: 164851

Ion Ratio Lower Upper

50 100

52 33.3 25.9 38.9



#4

Vinyl Chloride

Concen: 48.178 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008969.D

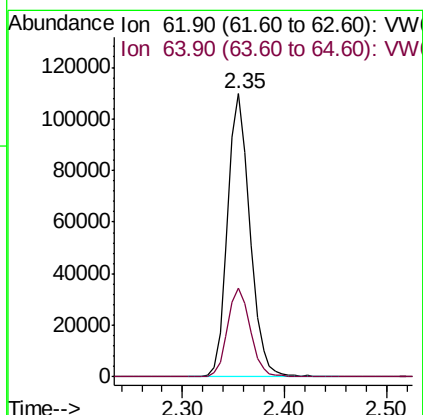
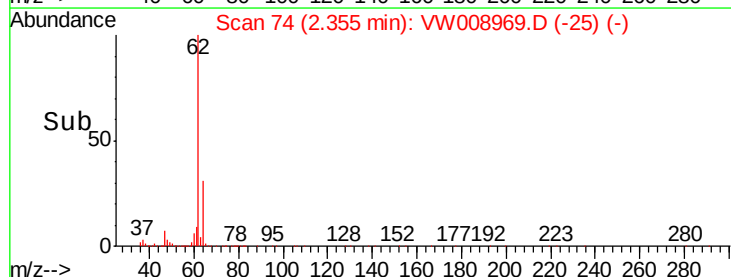
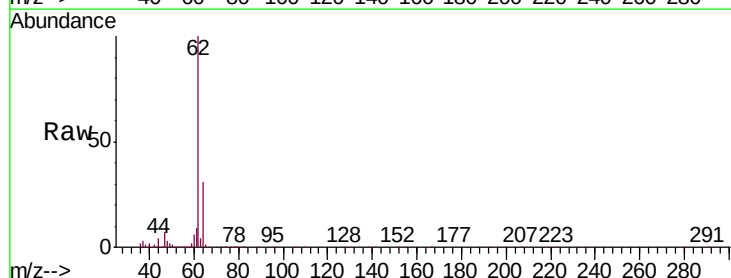
Acq: 04 Mar 2019 18:22

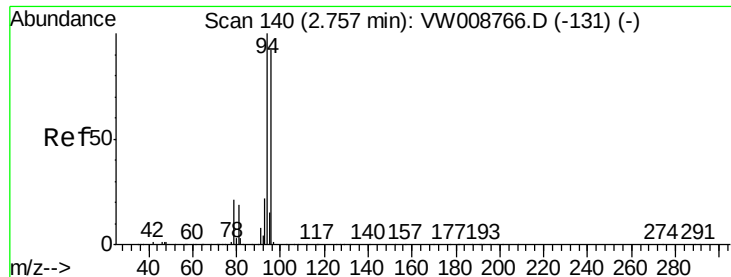
Tgt Ion: 62 Resp: 166473

Ion Ratio Lower Upper

62 100

64 31.2 24.9 37.3





#5

Bromomethane

Concen: 52.190 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

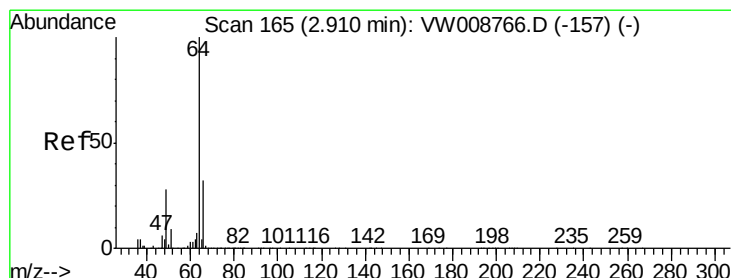
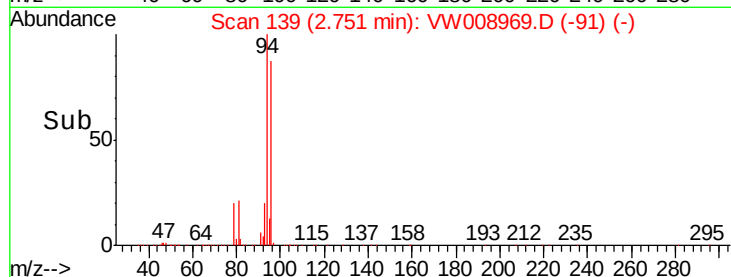
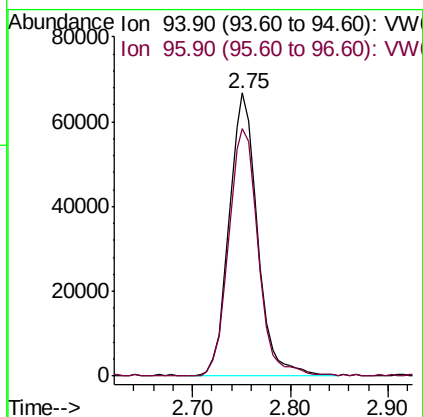
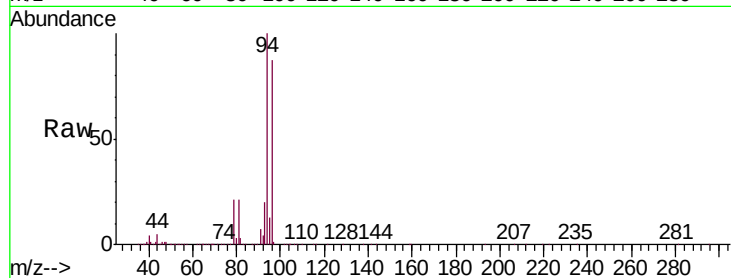
BFB

Tgt Ion: 94 Resp: 133943

Ion Ratio Lower Upper

94 100

96 87.2 73.4 110.2



#6

Chloroethane

Concen: 48.917 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW008969.D

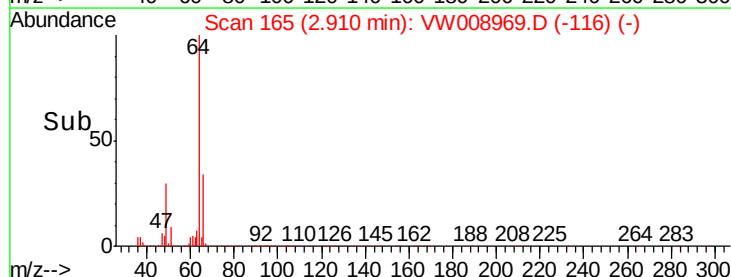
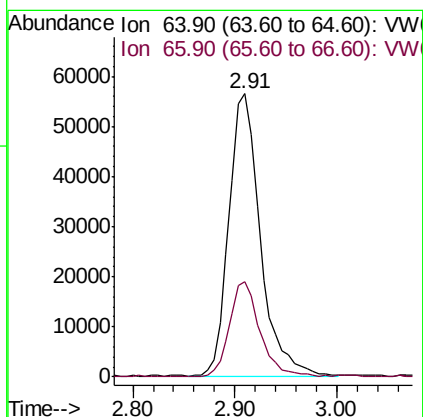
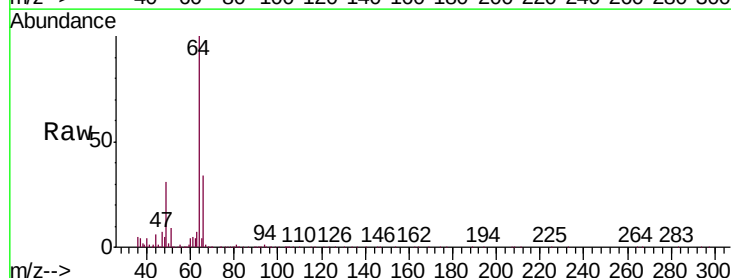
Acq: 04 Mar 2019 18:22

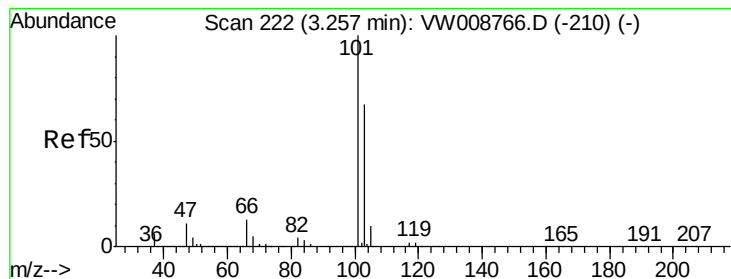
Tgt Ion: 64 Resp: 120025

Ion Ratio Lower Upper

64 100

66 33.7 25.5 38.3



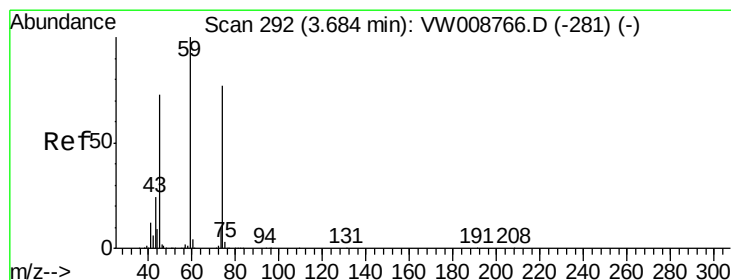
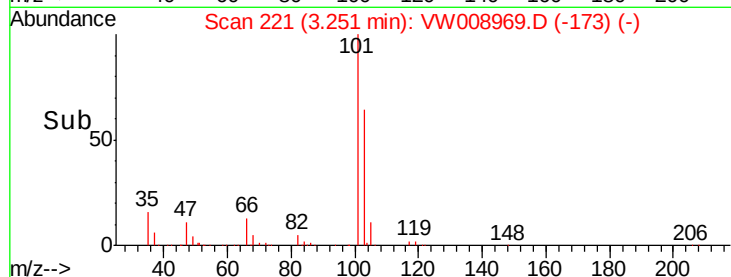
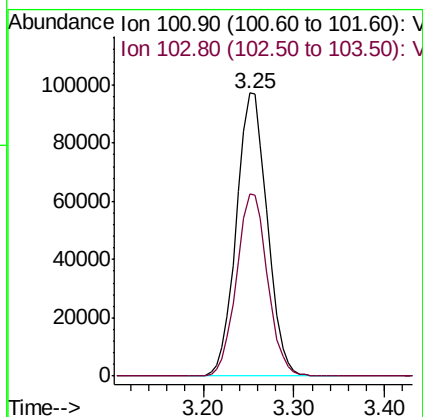
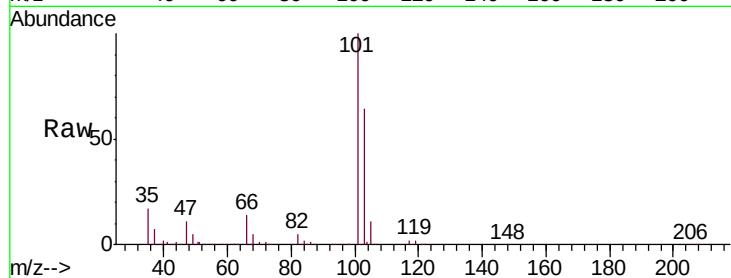


#7

Trichlorofluoromethane
 Concen: 52.641 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Instrument :
 MSVOA_W
 ClientSampled :
 BFB

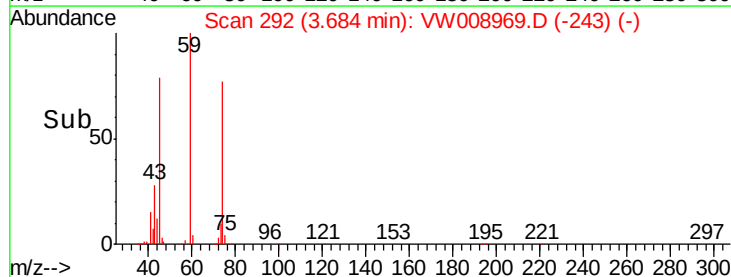
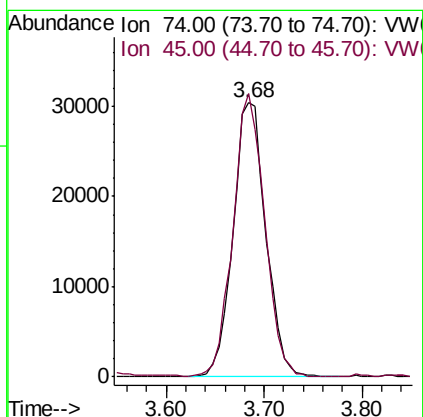
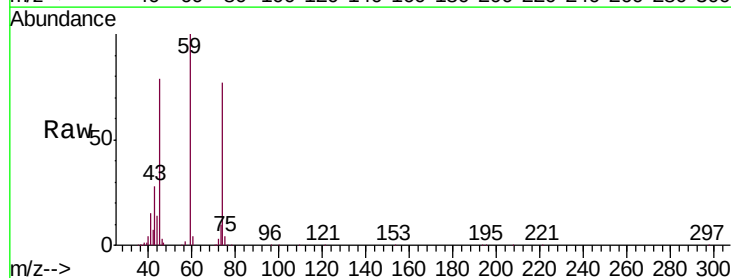
Tgt Ion:101 Resp: 230049
 Ion Ratio Lower Upper
 101 100
 103 64.2 53.9 80.9

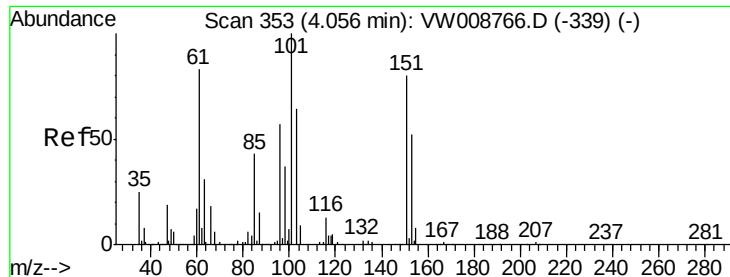


#8

Diethyl Ether
 Concen: 51.104 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Tgt Ion: 74 Resp: 70705
 Ion Ratio Lower Upper
 74 100
 45 100.1 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.679 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

BFB

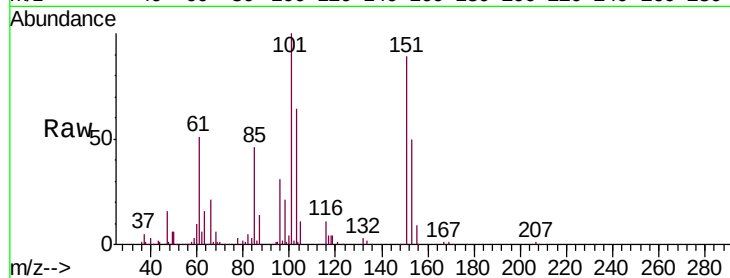
Tgt Ion:101 Resp: 139799

Ion Ratio Lower Upper

101 100

85 44.9 36.0 54.0

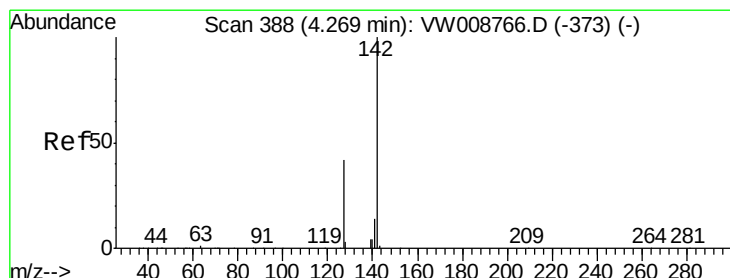
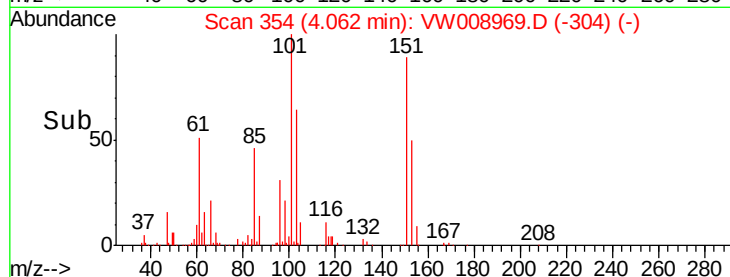
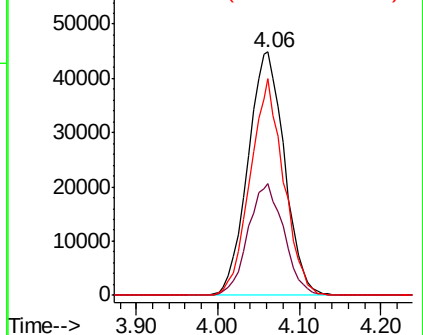
151 81.8 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.970 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

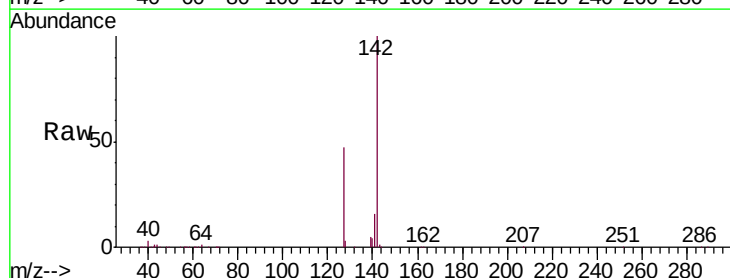
Tgt Ion:142 Resp: 145915

Ion Ratio Lower Upper

142 100

127 45.3 35.3 52.9

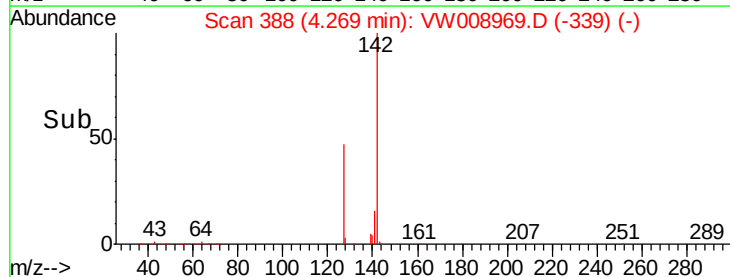
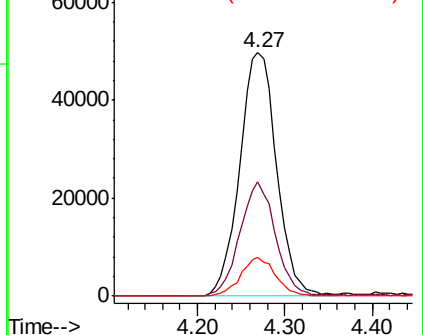
141 15.2 11.7 17.5

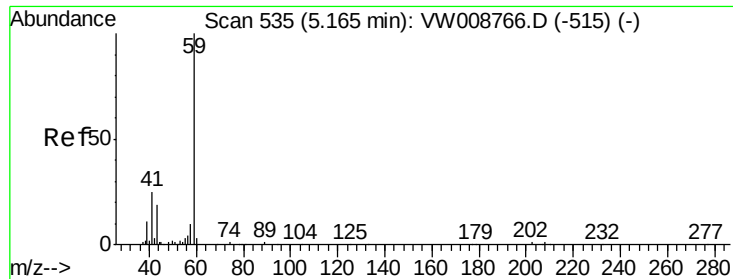


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



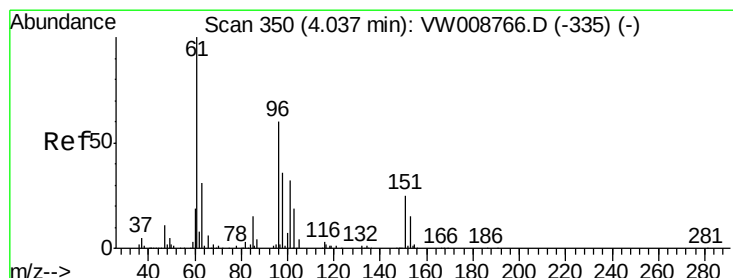
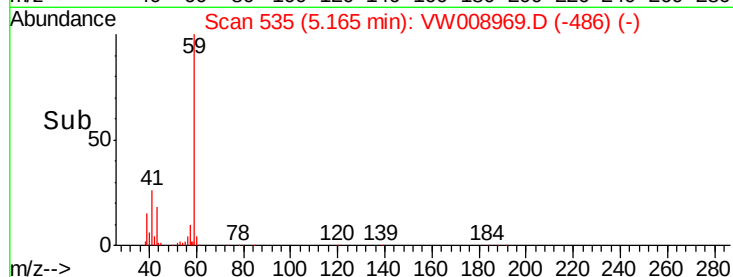
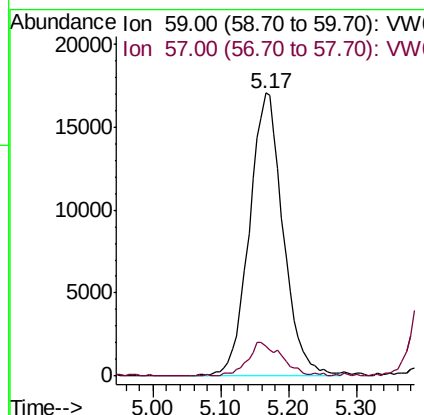
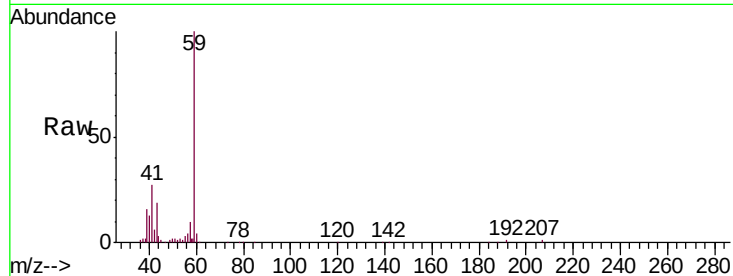


#11

Tert butyl alcohol
 Concen: 263.823 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

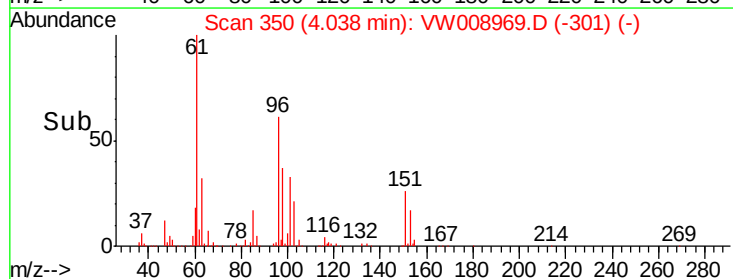
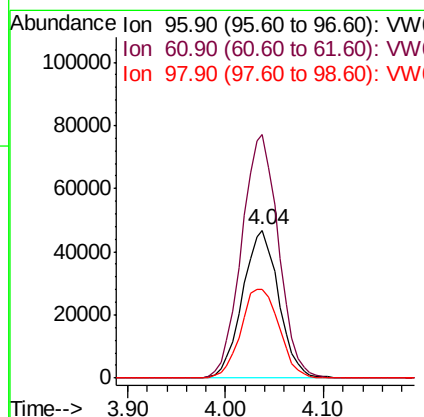
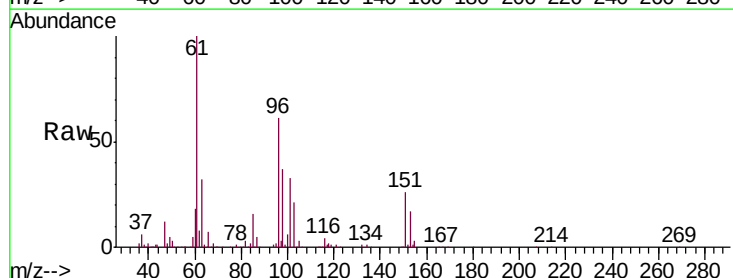
Tgt Ion: 59 Resp: 58967
 Ion Ratio Lower Upper
 59 100
 57 11.8 9.3 13.9

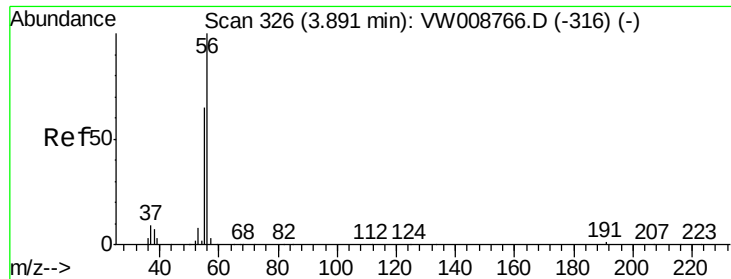


#12

1,1-Dichloroethene
 Concen: 51.437 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Tgt Ion: 96 Resp: 120553
 Ion Ratio Lower Upper
 96 100
 61 164.3 132.5 198.7
 98 60.2 48.2 72.4

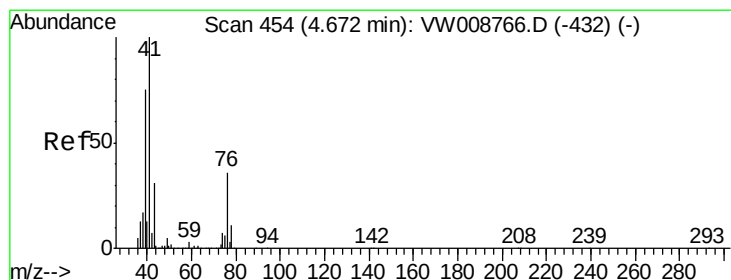
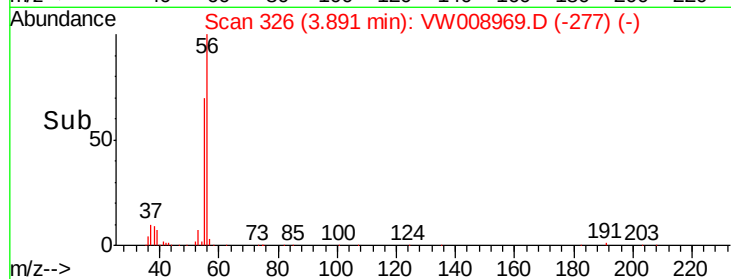
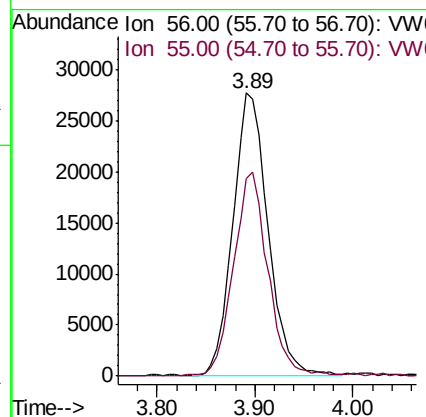
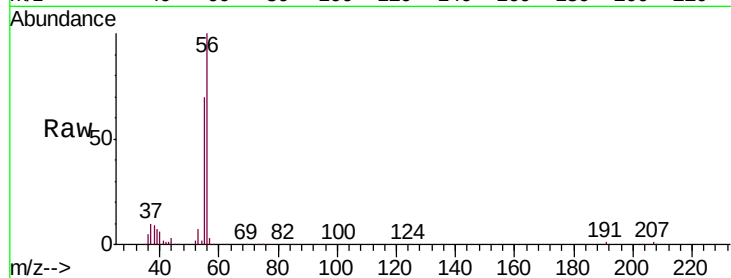




#13
Acrolein
Concen: 289.825 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

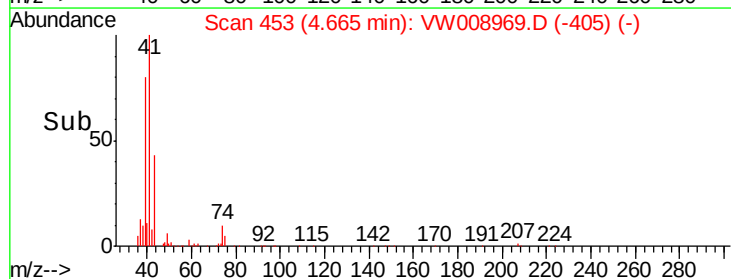
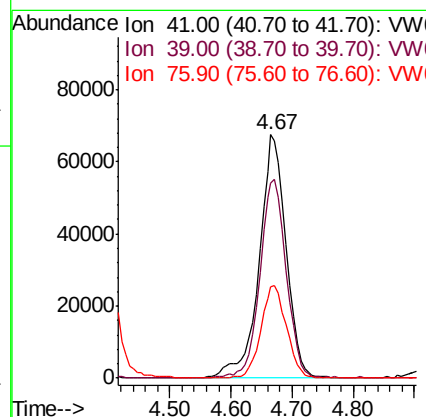
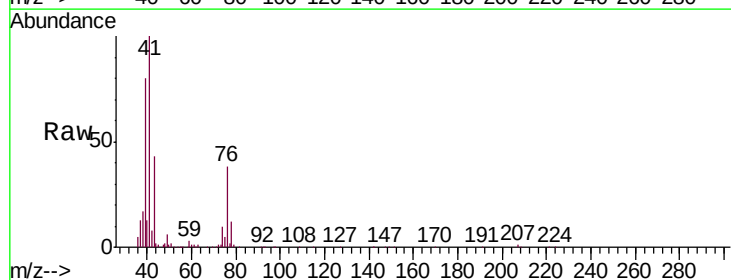
Instrument :
MSVOA_W
ClientSampled :
BFB

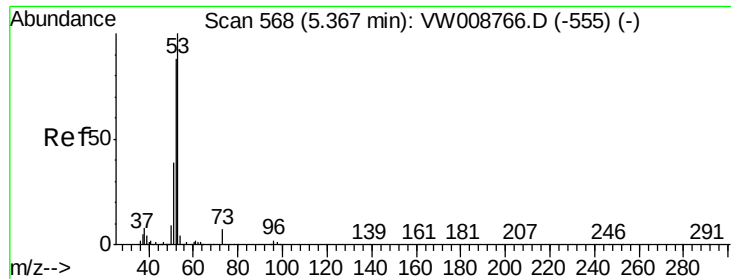
Tgt Ion: 56 Resp: 69134
Ion Ratio Lower Upper
56 100
55 70.9 56.9 85.3



#14
Allyl chloride
Concen: 51.358 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion: 41 Resp: 207742
Ion Ratio Lower Upper
41 100
39 79.2 60.6 91.0
76 36.1 28.6 42.8





#15

Acrylonitrile

Concen: 304.777 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampled :

BFB

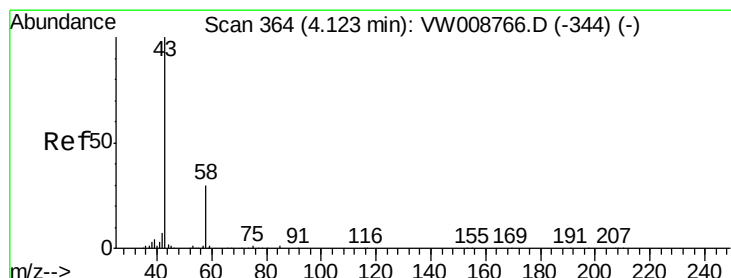
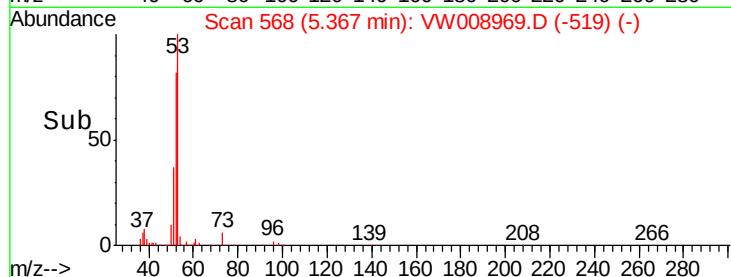
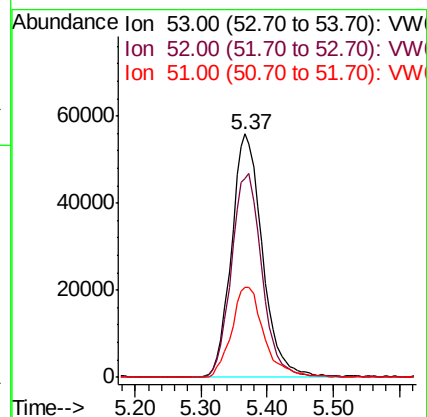
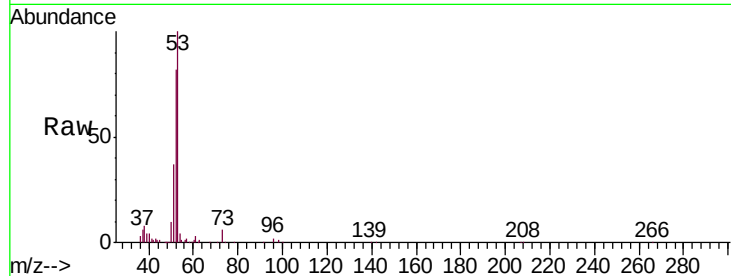
Tgt Ion: 53 Resp: 180968

Ion Ratio Lower Upper

53 100

52 82.7 67.2 100.8

51 38.8 31.1 46.7



#16

Acetone

Concen: 310.262 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW008969.D

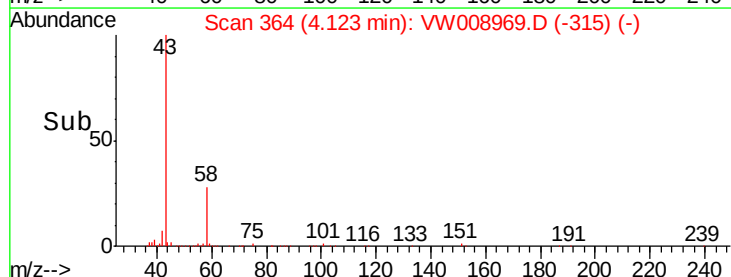
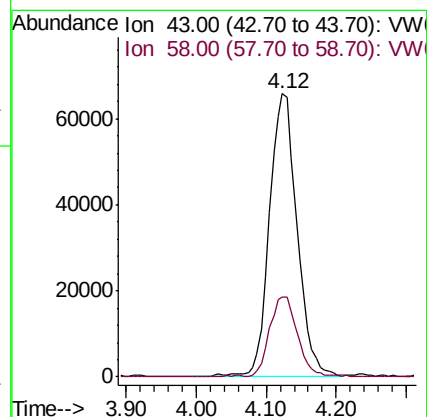
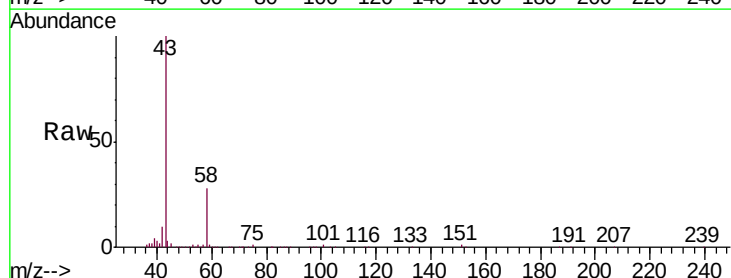
Acq: 04 Mar 2019 18:22

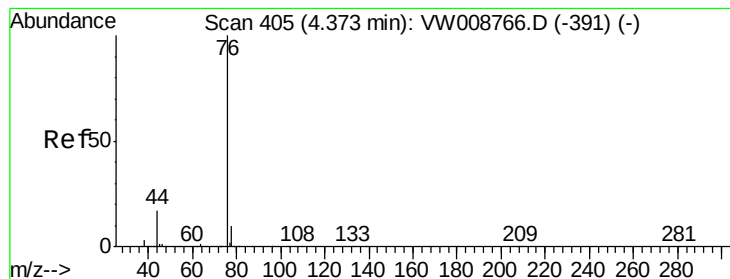
Tgt Ion: 43 Resp: 180552

Ion Ratio Lower Upper

43 100

58 28.2 23.8 35.6





#17

Carbon Disulfide

Concen: 50.725 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampled :

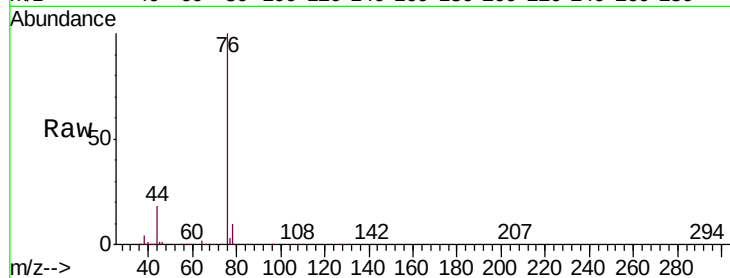
BFB

Tgt Ion: 76 Resp: 394445

Ion Ratio Lower Upper

76 100

78 10.0 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

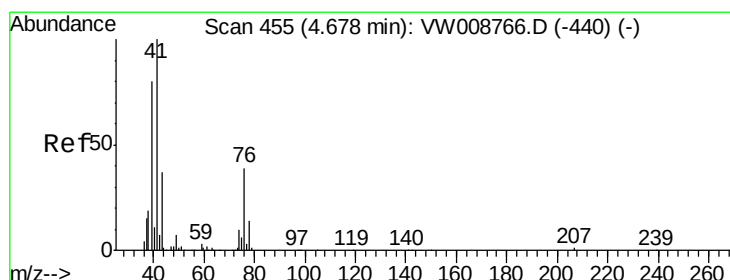
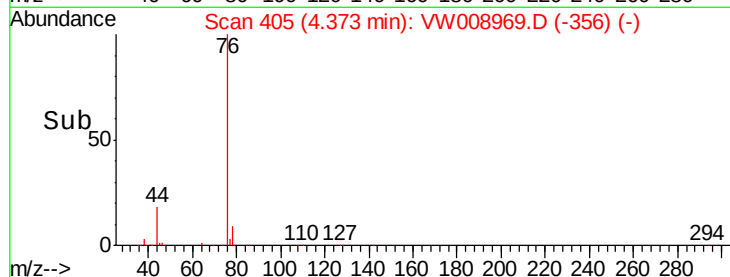
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 63.201 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW008969.D

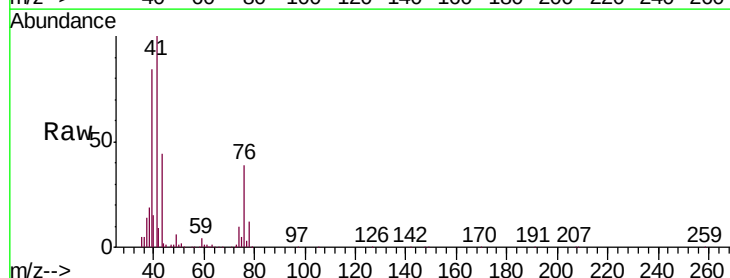
Acq: 04 Mar 2019 18:22

Tgt Ion: 43 Resp: 87235

Ion Ratio Lower Upper

43 100

74 22.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

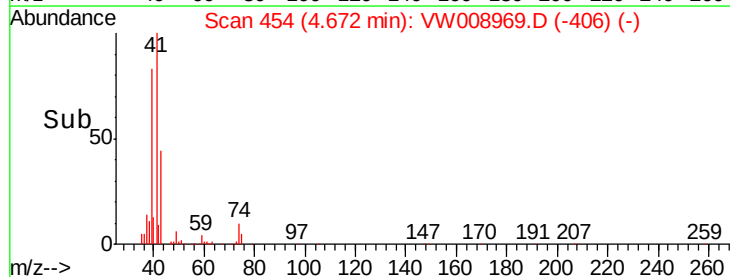
30000

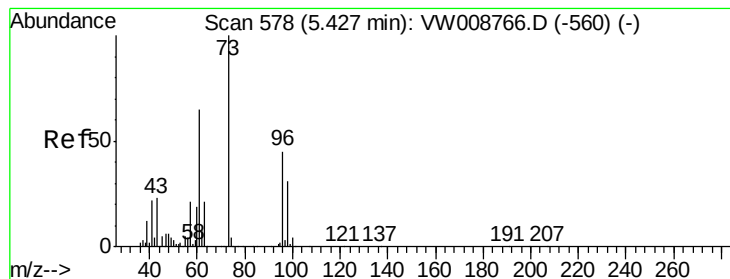
20000

10000

0

Time-->



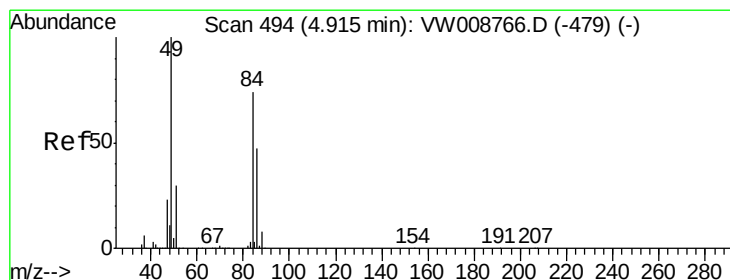
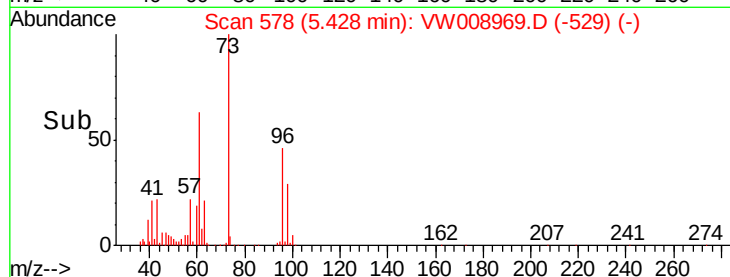
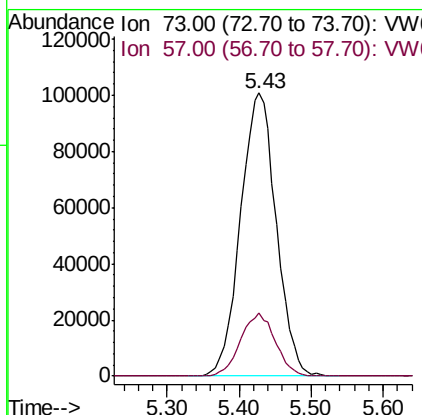
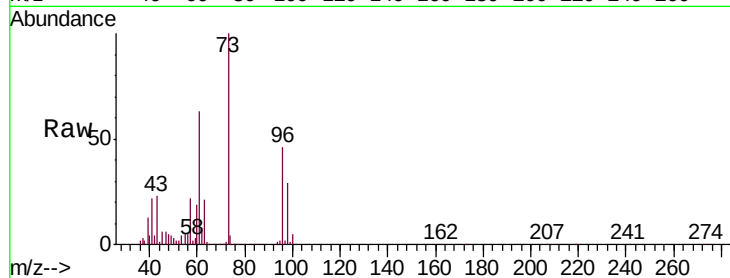


#19

Methyl tert-butyl Ether
 Concen: 54.685 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

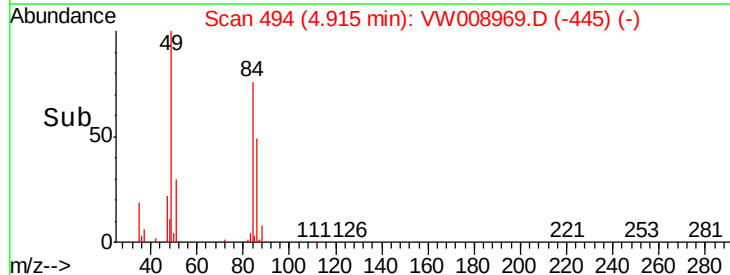
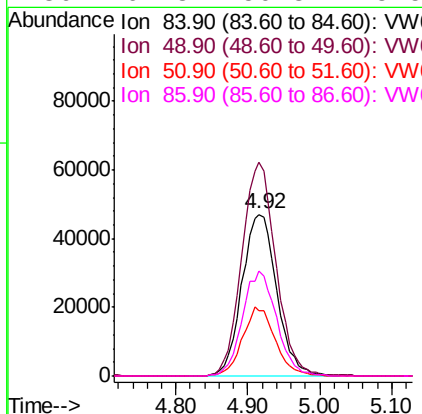
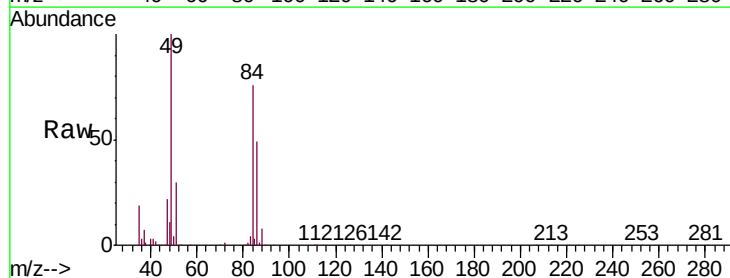
Tgt Ion: 73 Resp: 346905
 Ion Ratio Lower Upper
 73 100
 57 22.3 16.8 25.2

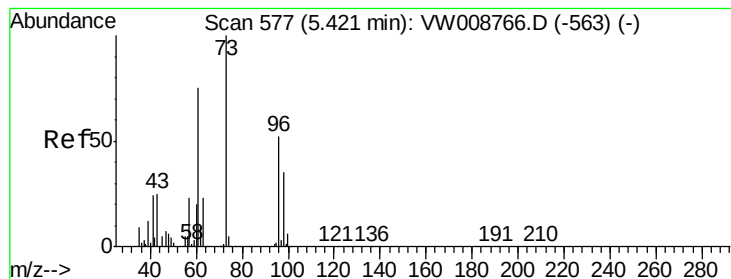


#20

Methylene Chloride
 Concen: 55.730 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Tgt Ion: 84 Resp: 158082
 Ion Ratio Lower Upper
 84 100
 49 132.0 108.2 162.2
 51 40.1 32.7 49.1
 86 64.8 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 52.312 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampled :

BFB

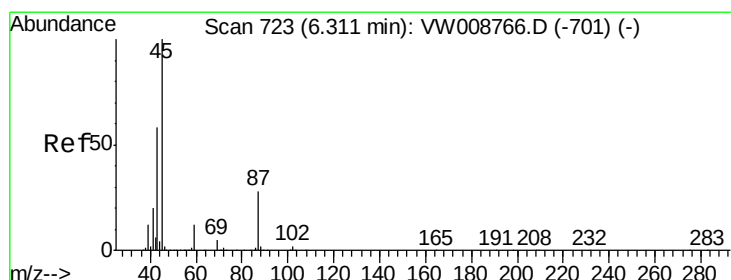
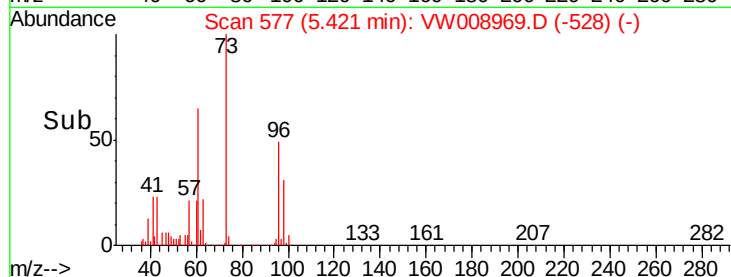
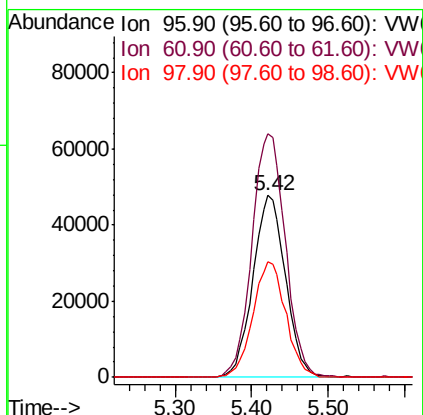
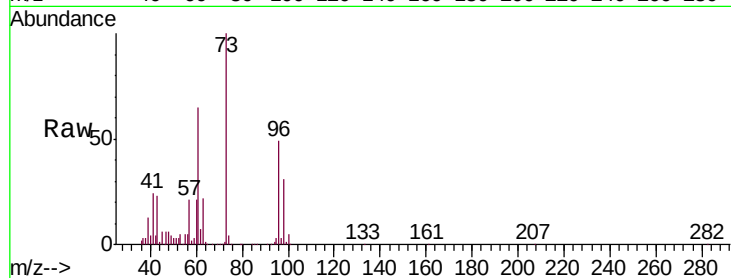
Tgt Ion: 96 Resp: 141822

Ion Ratio Lower Upper

96 100

61 133.9 114.6 171.8

98 63.8 54.0 81.0



#22

Diisopropyl ether

Concen: 54.574 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Tgt Ion: 45 Resp: 440364

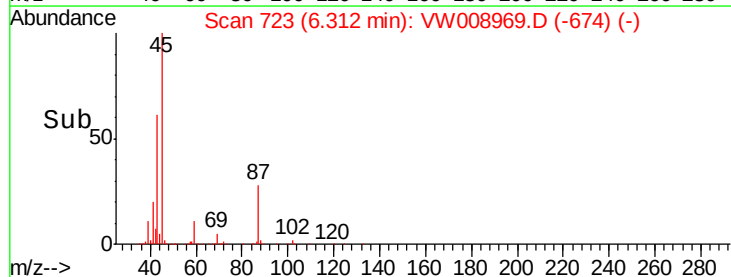
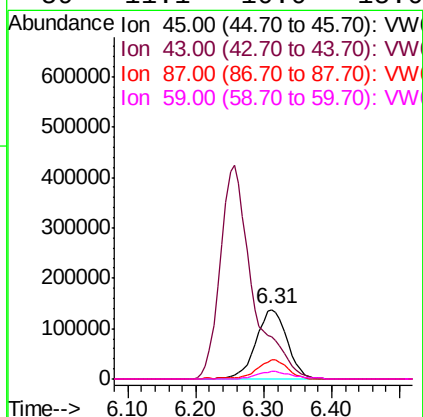
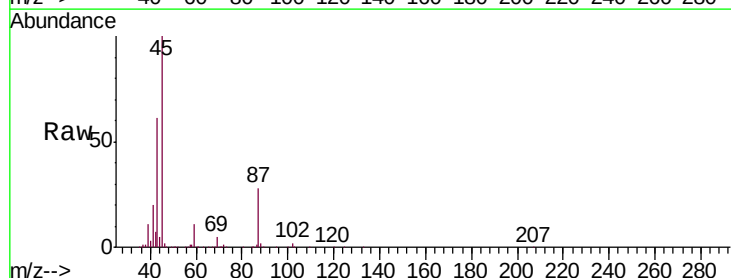
Ion Ratio Lower Upper

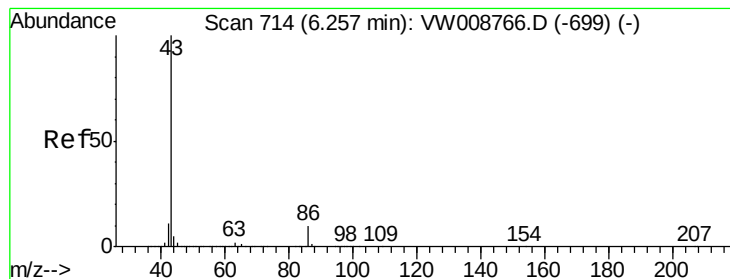
45 100

43 60.7 46.1 69.1

87 28.1 22.2 33.4

59 11.1 10.0 15.0





#23

Vinyl Acetate

Concen: 279.369 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

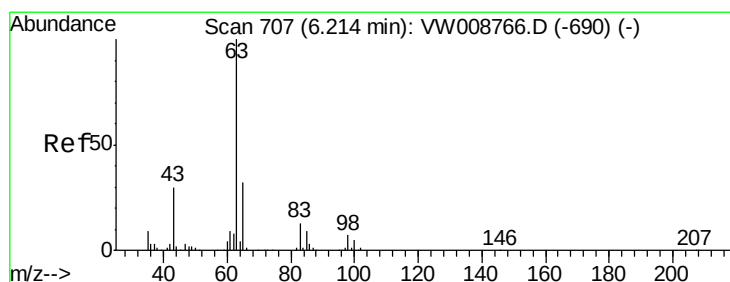
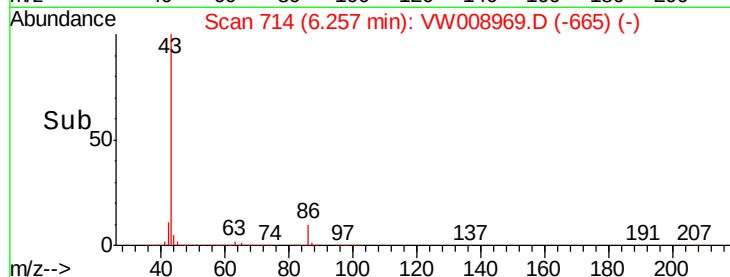
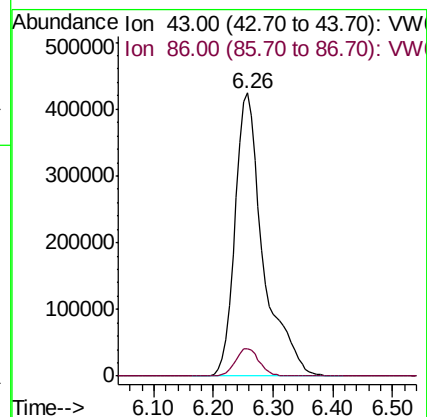
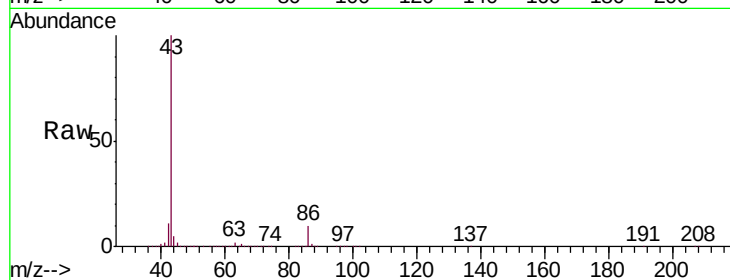
BFB

Tgt Ion: 43 Resp: 1392804

Ion Ratio Lower Upper

43 100

86 9.8 8.1 12.1



#24

1,1-Dichloroethane

Concen: 53.503 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

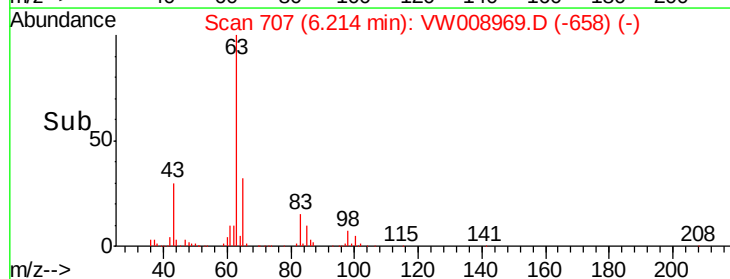
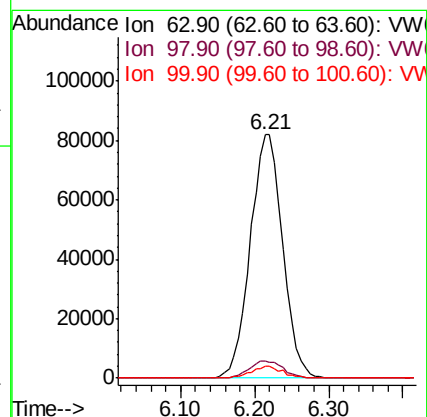
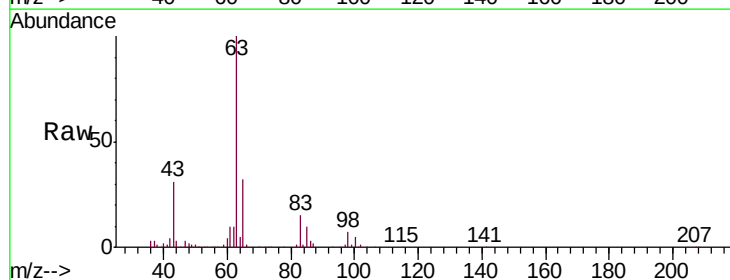
Tgt Ion: 63 Resp: 250173

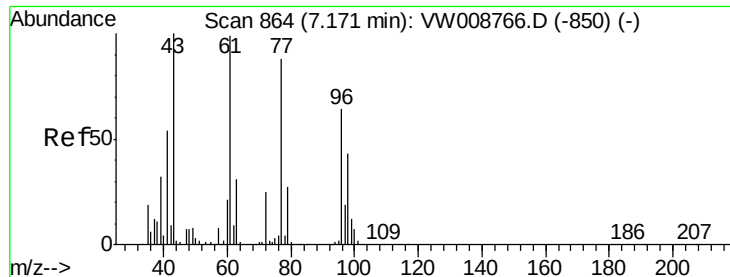
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.6

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 296.531 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampled :

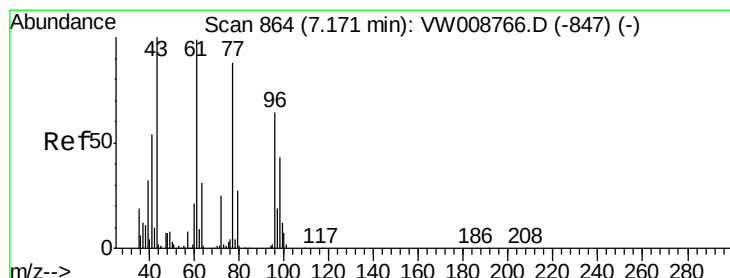
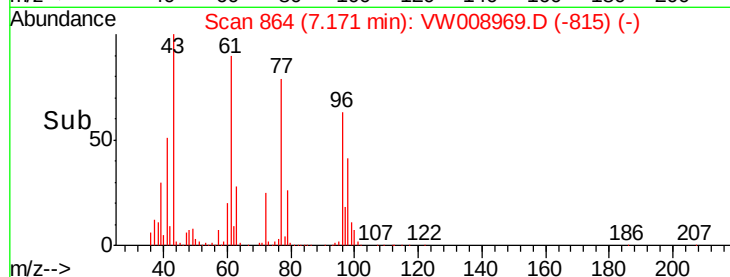
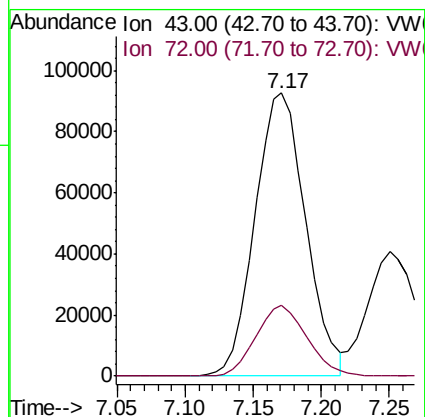
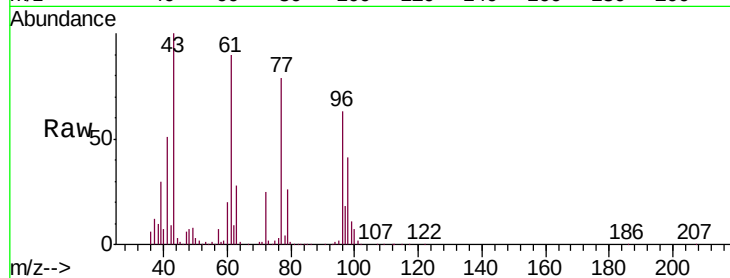
BFB

Tgt Ion: 43 Resp: 241252

Ion Ratio Lower Upper

43 100

72 24.9 19.7 29.5



#26

2,2-Dichloropropane

Concen: 51.616 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008969.D

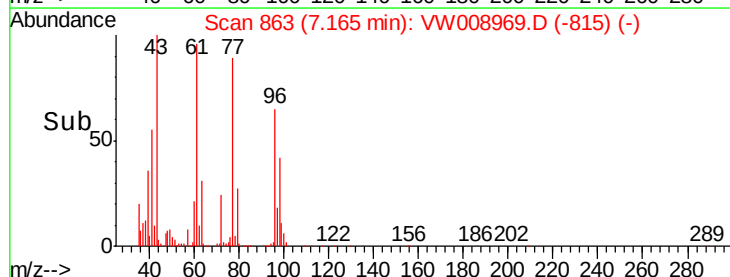
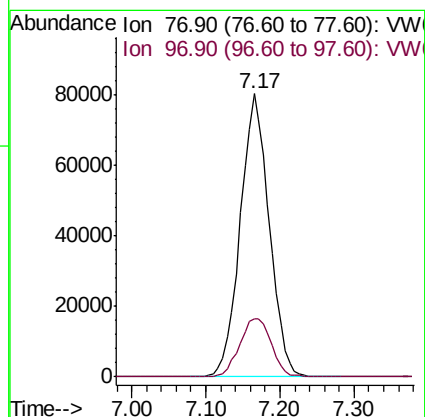
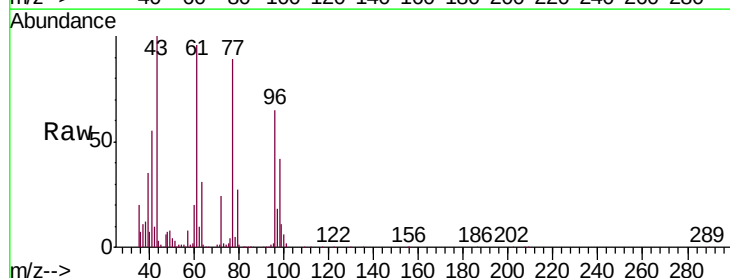
Acq: 04 Mar 2019 18:22

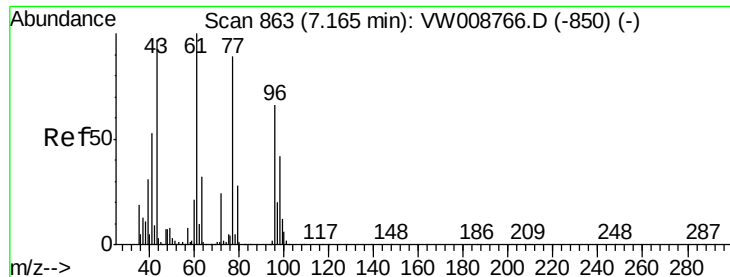
Tgt Ion: 77 Resp: 219116

Ion Ratio Lower Upper

77 100

97 22.6 11.0 33.0



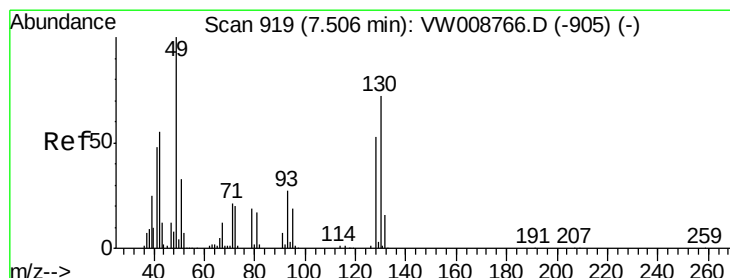
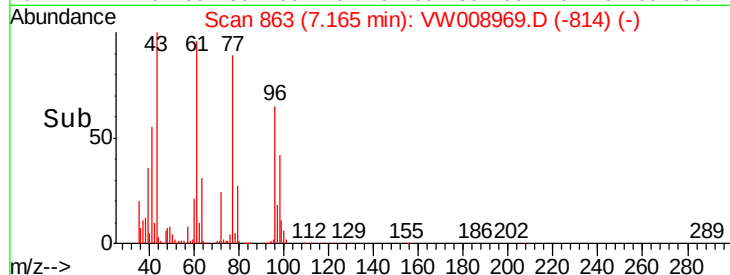
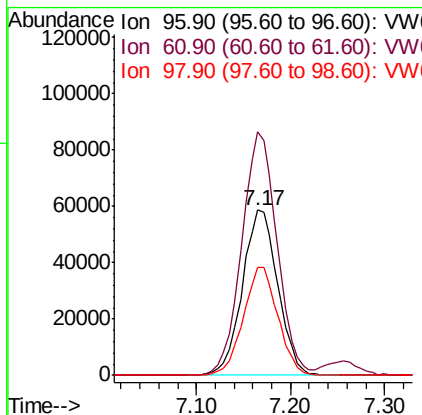
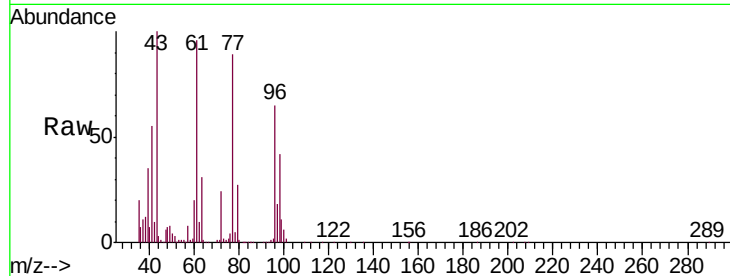


#27

cis-1,2-Dichloroethene
Concen: 53.348 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Instrument :
MSVOA_W
ClientSampled :
BFB

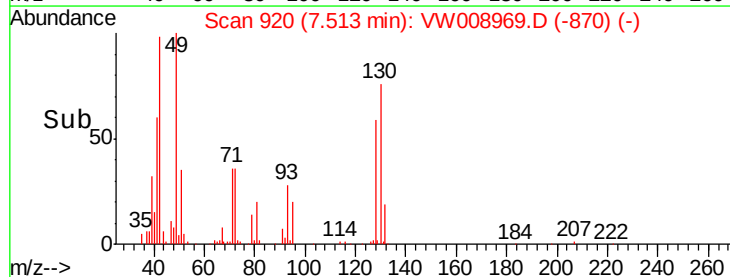
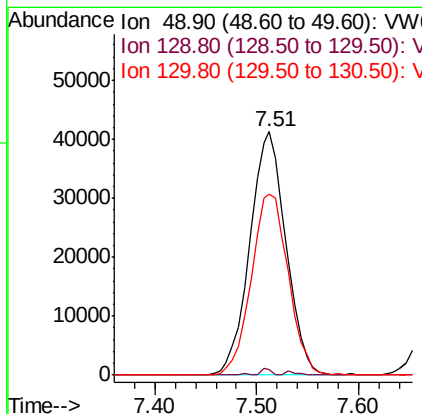
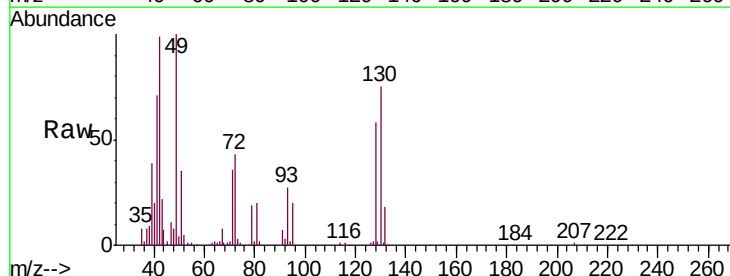
Tgt Ion: 96 Resp: 154710
Ion Ratio Lower Upper
96 100
61 146.7 0.0 302.6
98 63.9 0.0 130.0

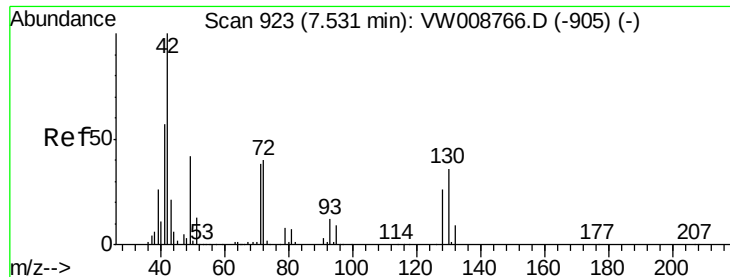


#28

Bromochloromethane
Concen: 51.881 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion: 49 Resp: 101515
Ion Ratio Lower Upper
49 100
129 1.0 0.0 2.6
130 76.5 61.3 91.9





#29

Tetrahydrofuran

Concen: 304.915 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

BFB

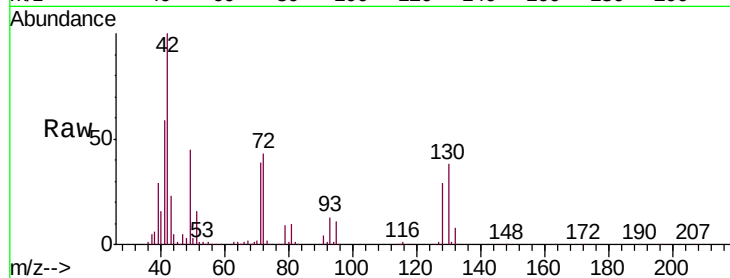
Tgt Ion: 42 Resp: 158090

Ion Ratio Lower Upper

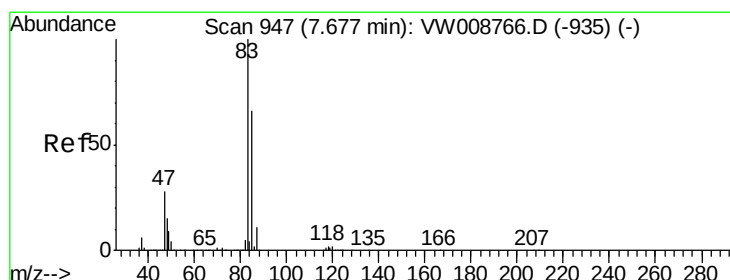
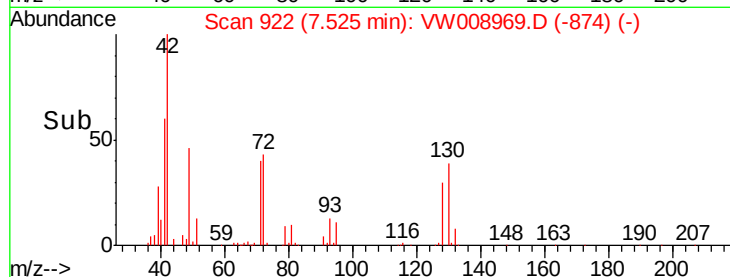
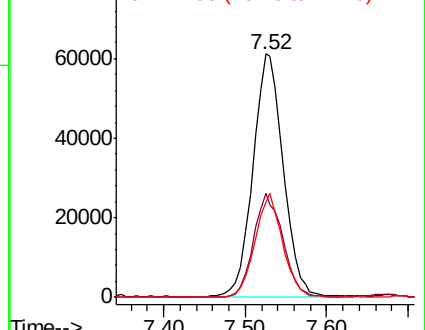
42 100

72 41.6 32.7 49.1

71 39.4 31.3 46.9



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



#30

Chloroform

Concen: 54.739 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW008969.D

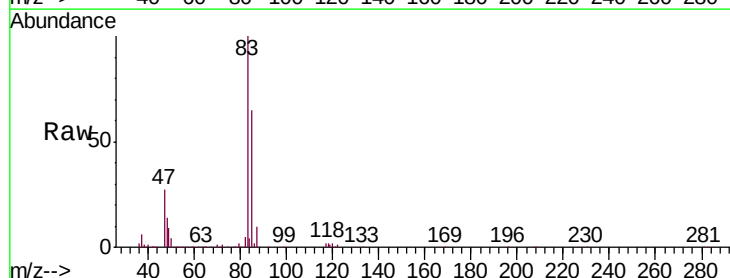
Acq: 04 Mar 2019 18:22

Tgt Ion: 83 Resp: 262579

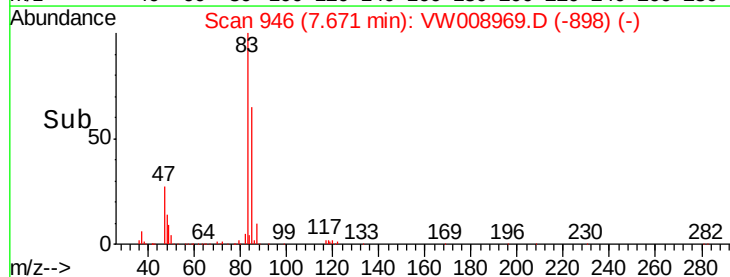
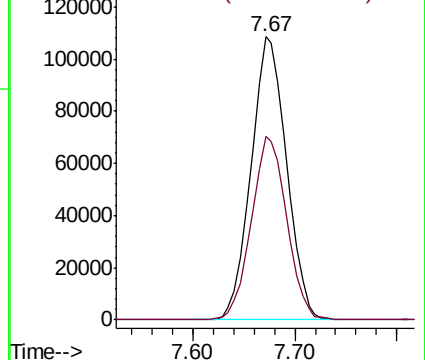
Ion Ratio Lower Upper

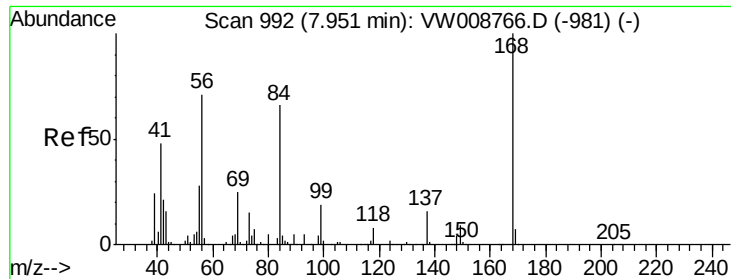
83 100

85 64.9 52.6 79.0



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

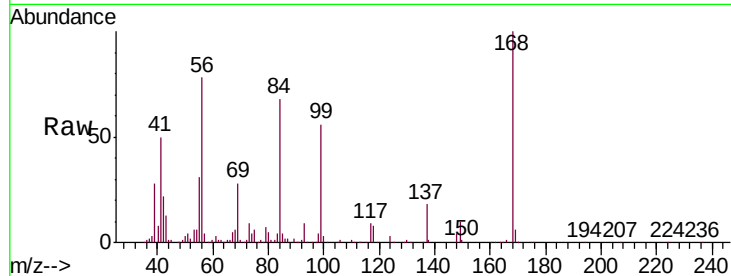




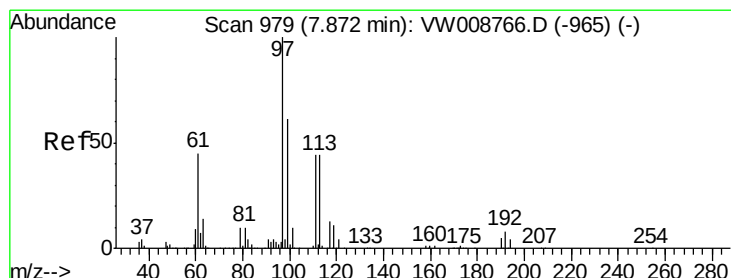
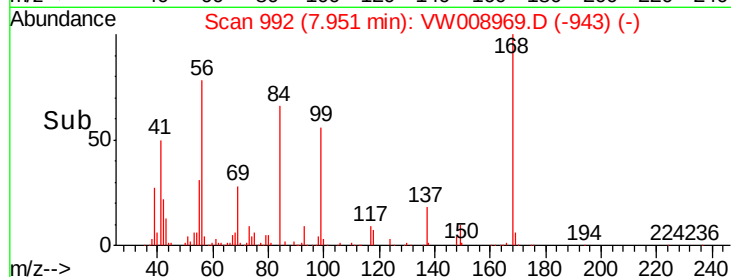
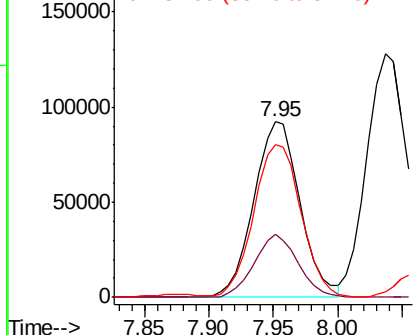
#31
Cyclohexane
Concen: 48.565 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Instrument :
MSVOA_W
ClientSampled :
BFB

Tgt Ion: 56 Resp: 229861
Ion Ratio Lower Upper
56 100
69 35.5 28.2 42.4
84 86.1 74.1 111.1

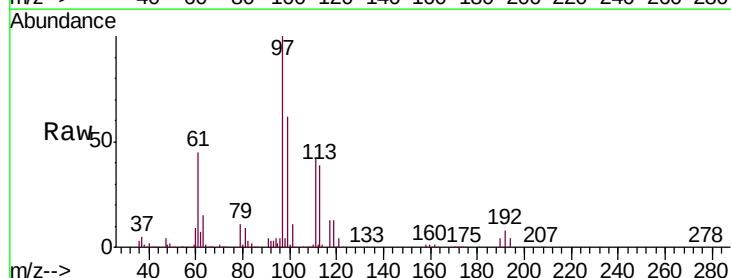


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

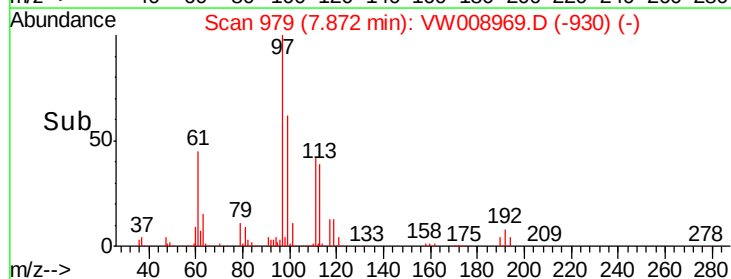
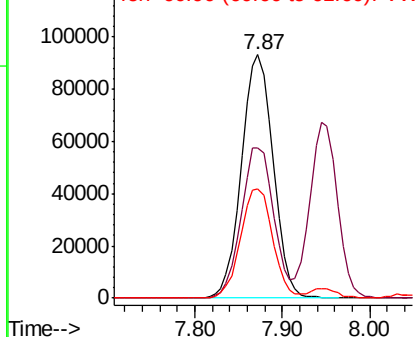


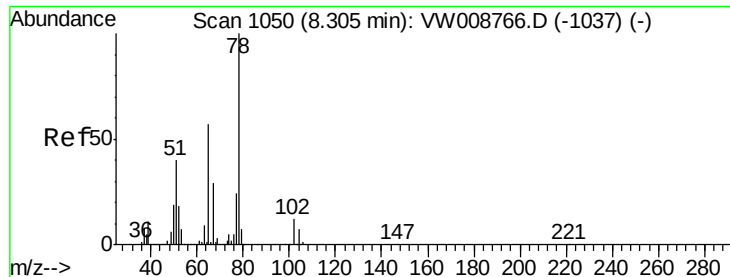
#32
1,1,1-Trichloroethane
Concen: 53.883 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion: 97 Resp: 235054
Ion Ratio Lower Upper
97 100
99 63.3 50.8 76.2
61 45.9 36.0 54.0



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

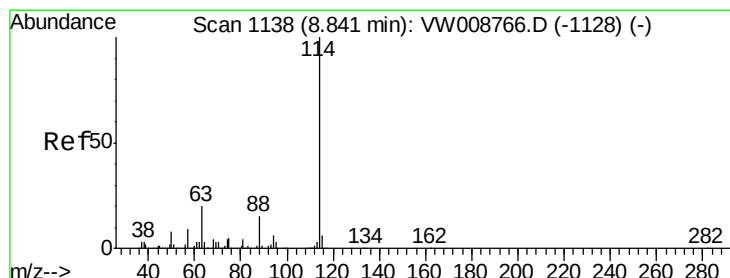
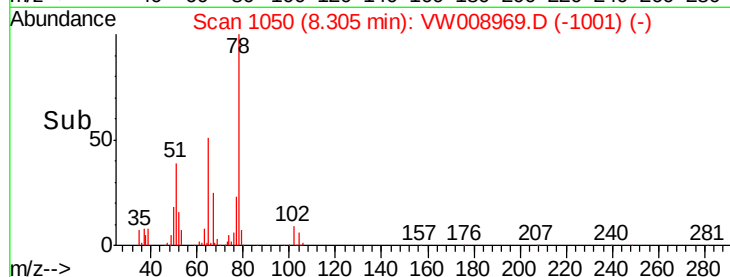
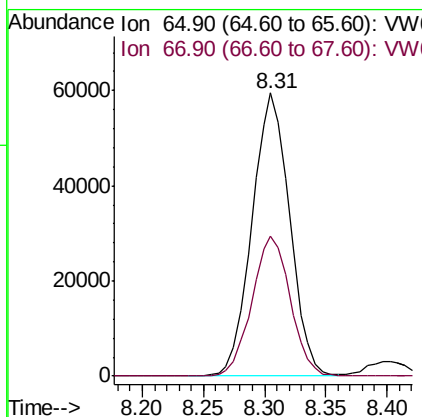
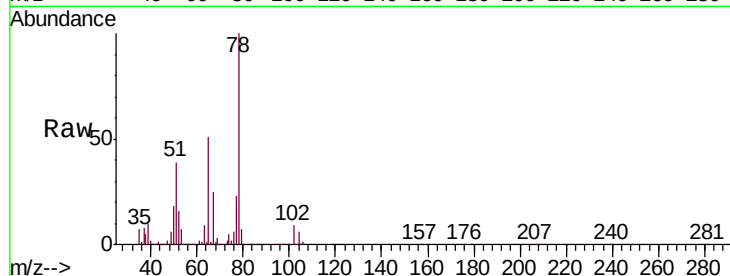




#33
 1,2-Dichloroethane-d4
 Concen: 50.821 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

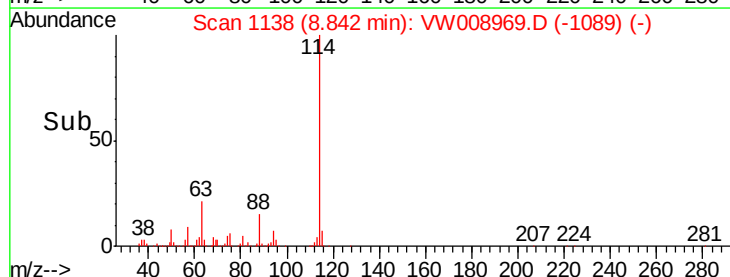
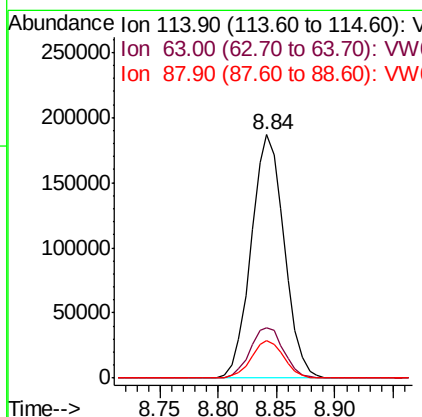
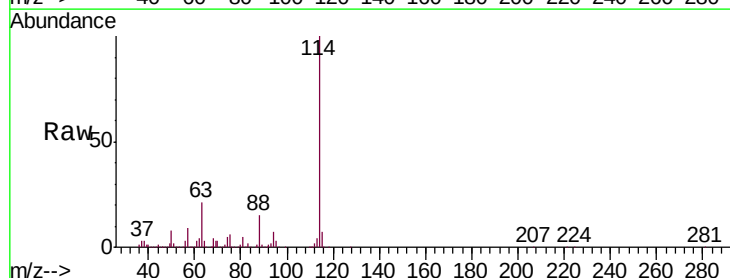
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

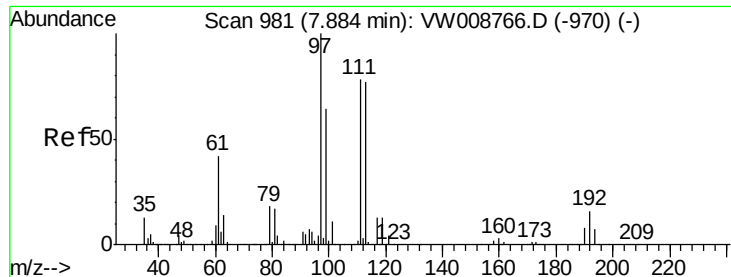
Tgt Ion: 65 Resp: 127591
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Tgt Ion: 114 Resp: 369273
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.8
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.688 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

BFB

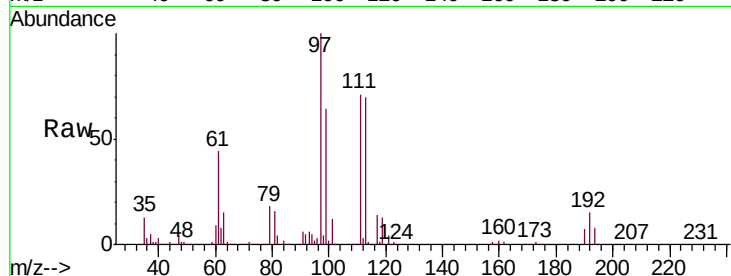
Tgt Ion:113 Resp: 112384

Ion Ratio Lower Upper

113 100

111 103.6 81.9 122.9

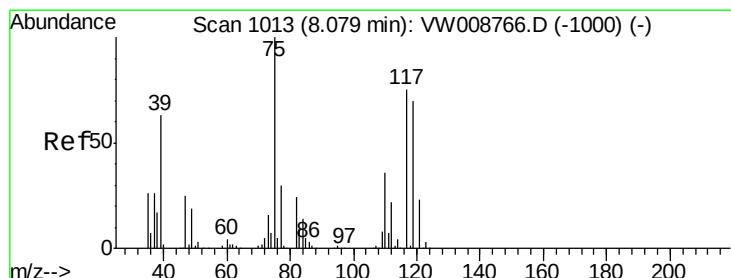
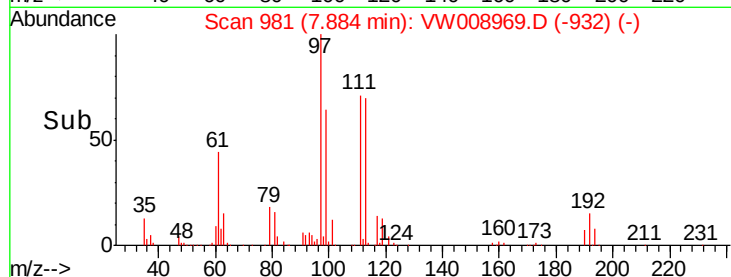
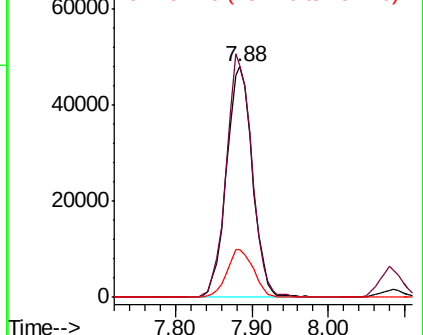
192 21.2 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 55.331 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

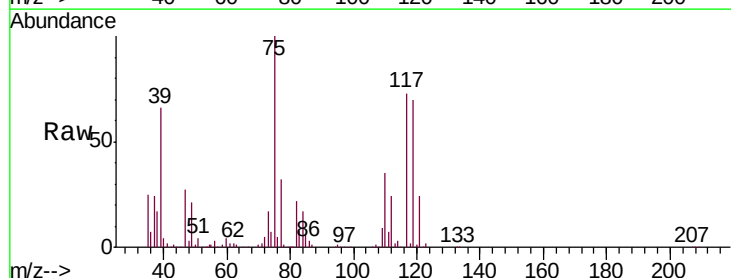
Tgt Ion: 75 Resp: 198894

Ion Ratio Lower Upper

75 100

110 35.6 17.5 52.6

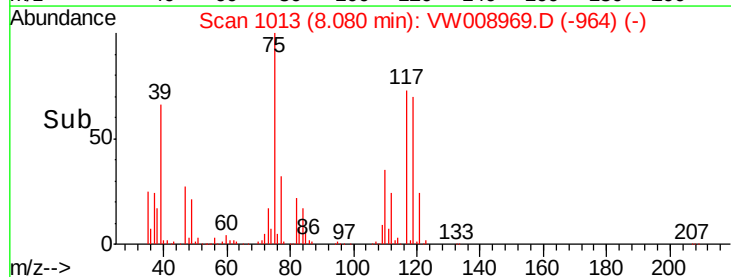
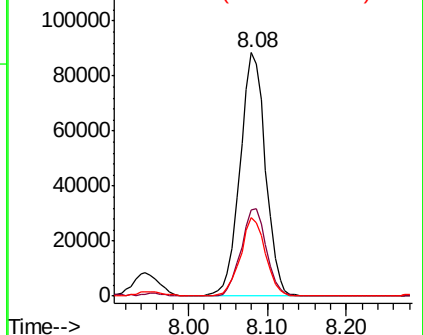
77 31.6 24.5 36.7

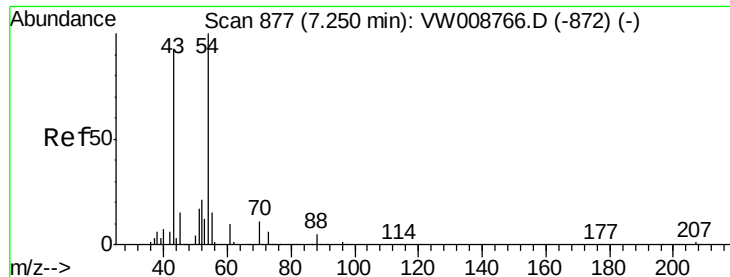


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

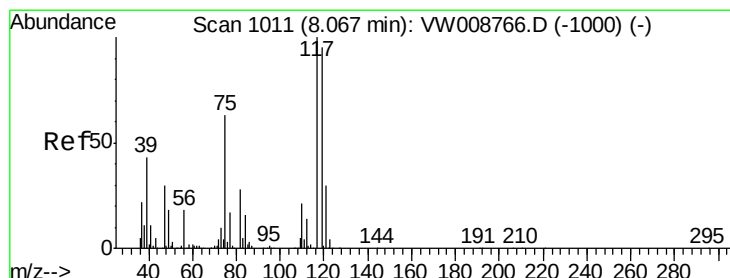
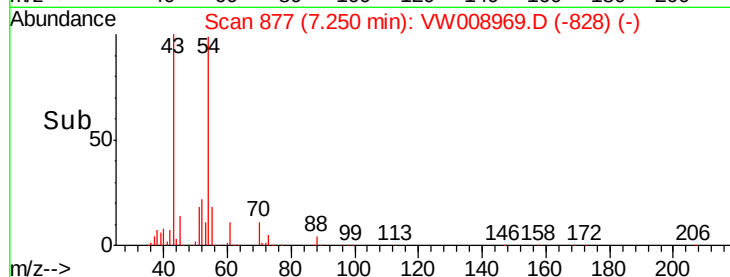
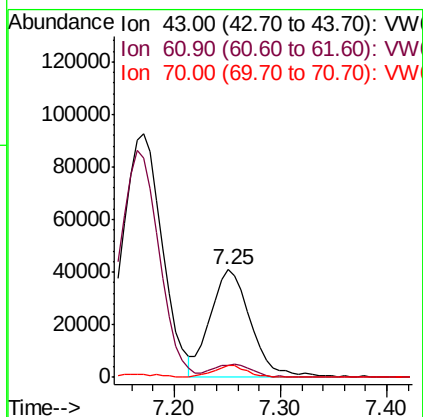
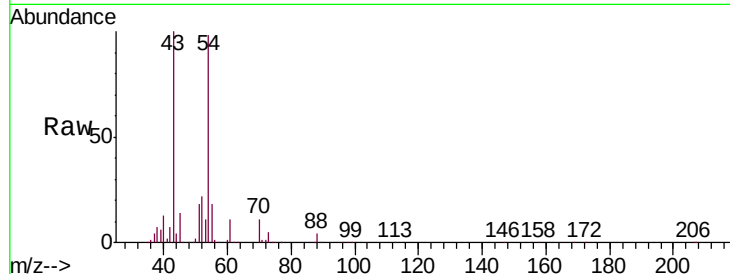




#37
Ethyl Acetate
Concen: 63.465 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

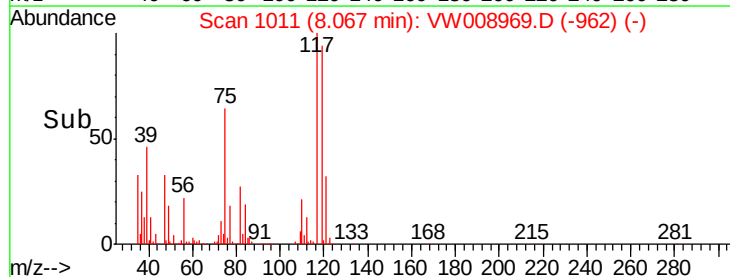
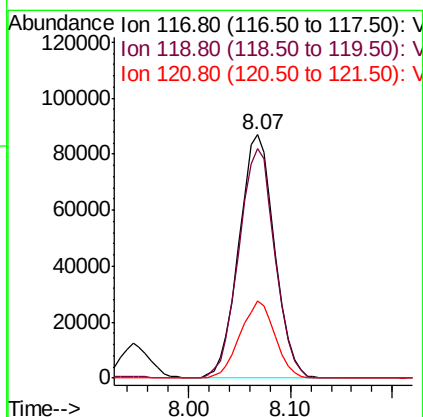
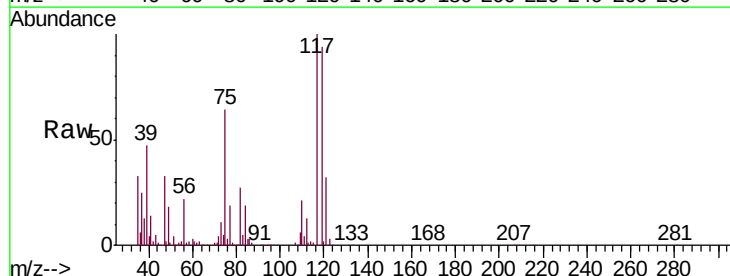
Instrument :
MSVOA_W
ClientSampled :
BFB

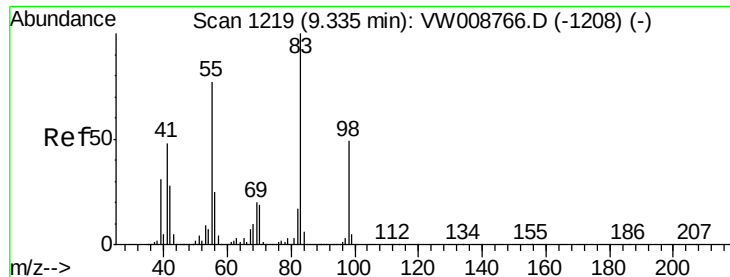
Tgt Ion: 43 Resp: 106088
Ion Ratio Lower Upper
43 100
61 12.1 9.8 14.8
70 9.6 8.4 12.6



#38
Carbon Tetrachloride
Concen: 55.607 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion: 117 Resp: 210801
Ion Ratio Lower Upper
117 100
119 94.0 76.1 114.1
121 31.7 24.0 36.0

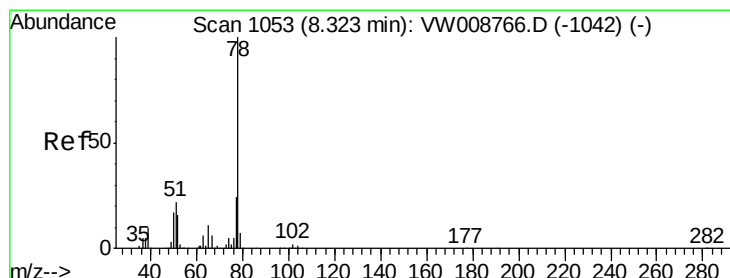
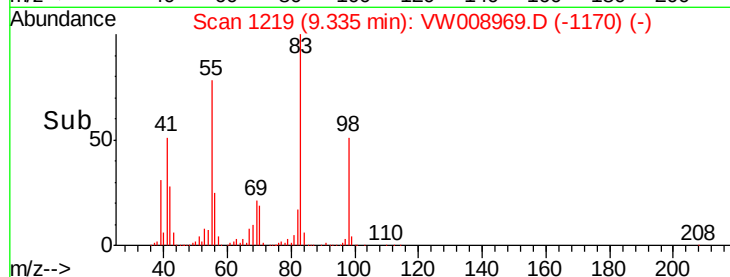
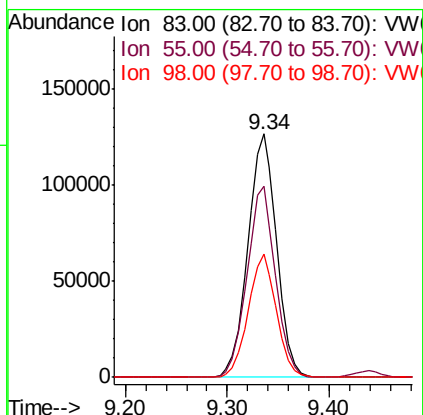
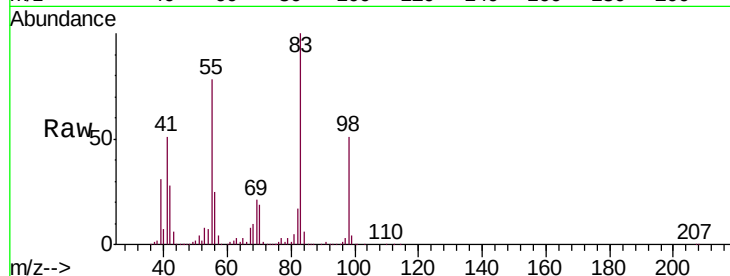




#39
Methylcyclohexane
Concen: 55.320 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

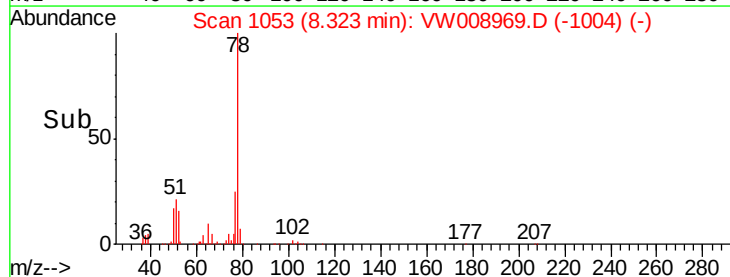
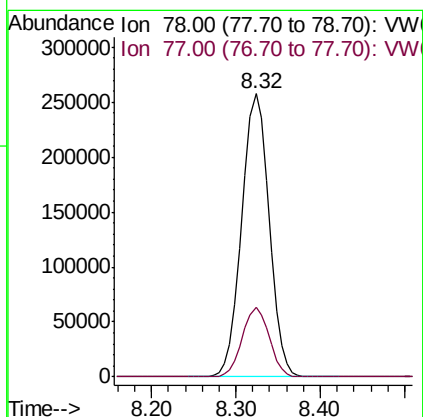
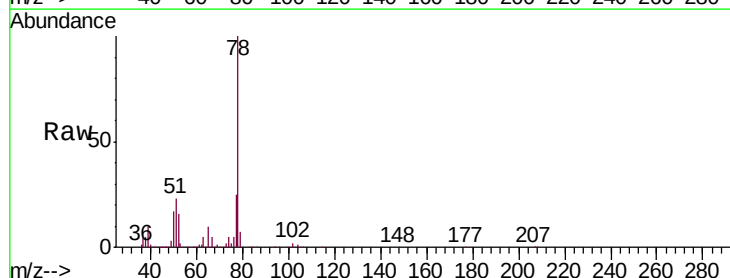
Instrument :
MSVOA_W
ClientSampleId :
BFB

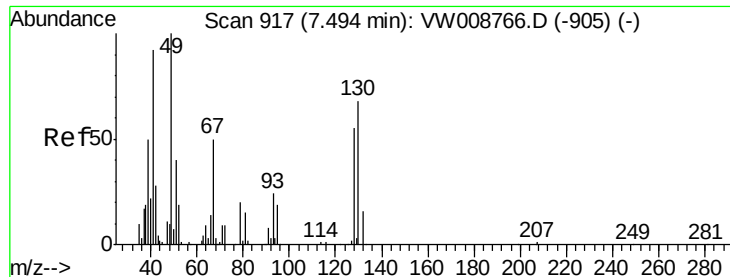
Tgt Ion: 83 Resp: 248038
Ion Ratio Lower Upper
83 100
55 78.3 61.2 91.8
98 50.6 39.4 59.2



#40
Benzene
Concen: 57.494 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion: 78 Resp: 564271
Ion Ratio Lower Upper
78 100
77 24.8 19.3 28.9

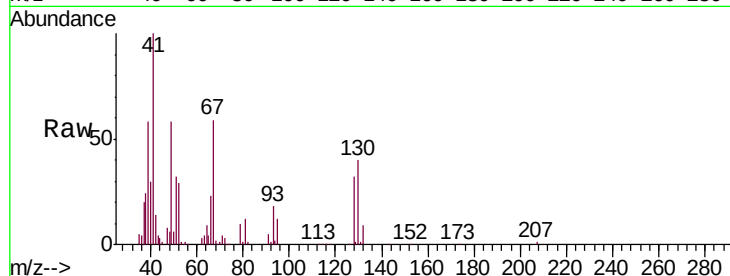




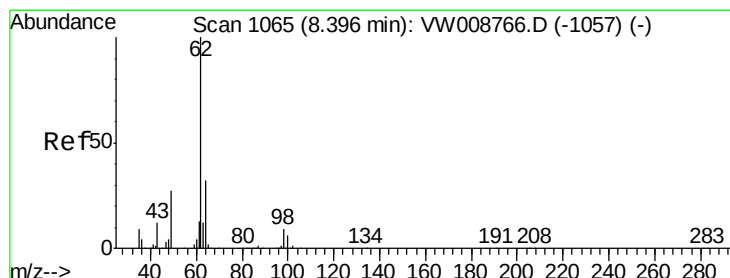
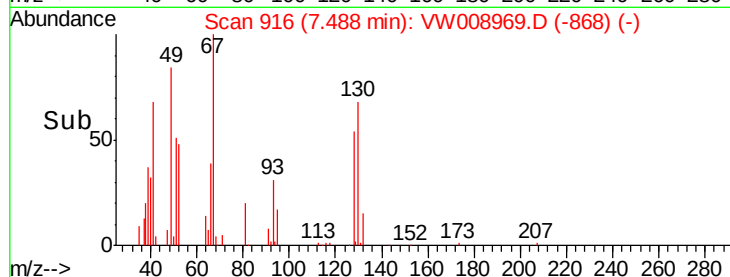
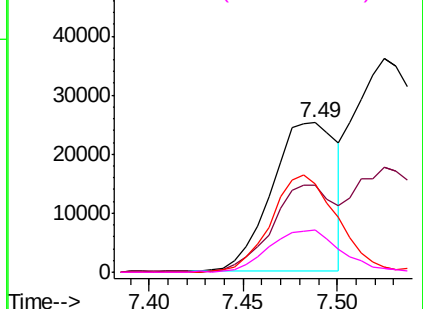
#41
Methacrylonitrile
Concen: 61.682 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Instrument :
MSVOA_W
ClientSampled :
BFB

Tgt Ion:	41	Resp:	60607
Ion	Ratio	Lower	Upper
41	100		
39	55.4	52.5	78.7
67	67.4	55.0	82.6
52	31.9	26.9	40.3

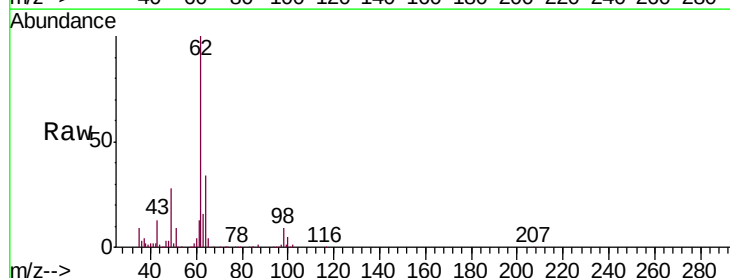


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

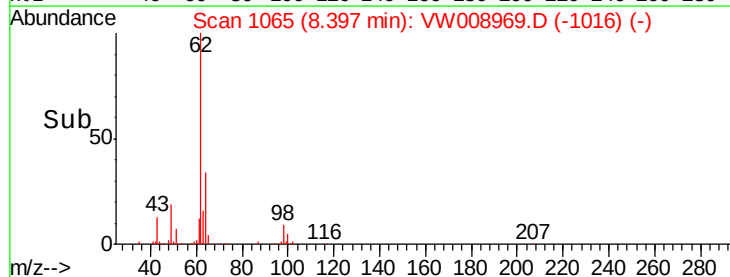
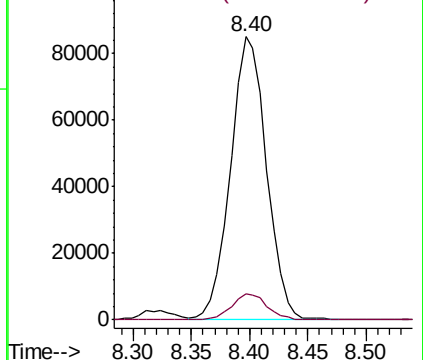


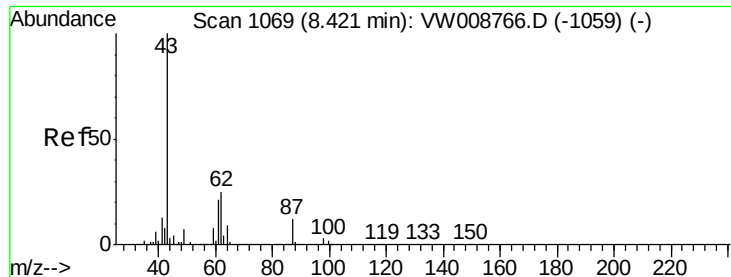
#42
1,2-Dichloroethane
Concen: 58.799 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion:	62	Resp:	182808
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 61.112 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

BFB

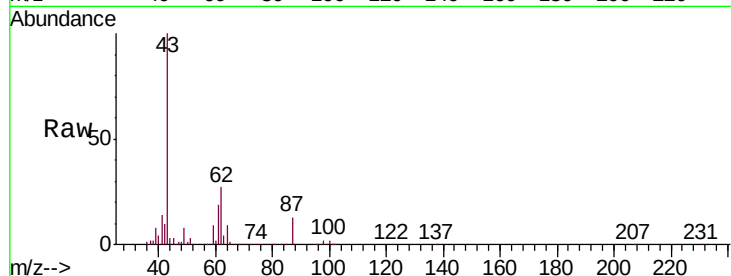
Tgt Ion: 43 Resp: 203881

Ion Ratio Lower Upper

43 100

61 27.5 23.2 34.8

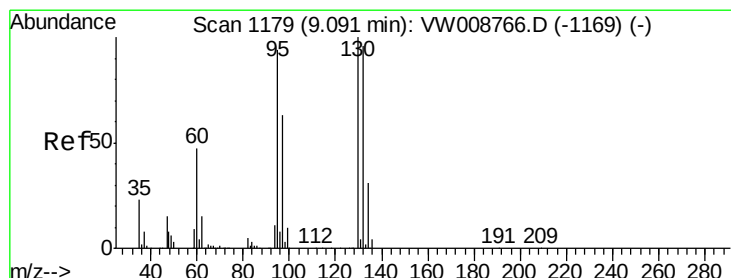
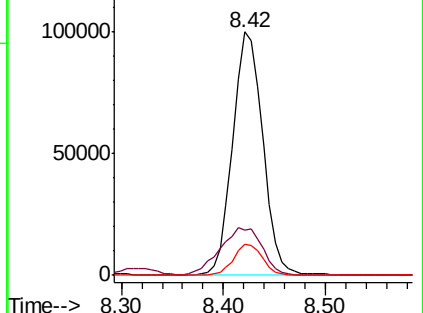
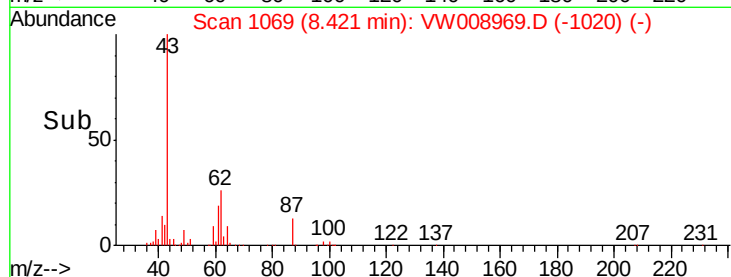
87 12.4 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 55.461 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008969.D

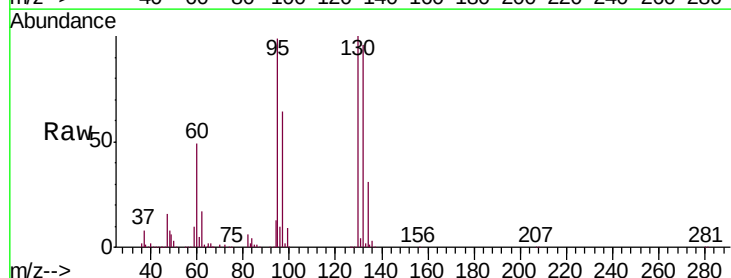
Acq: 04 Mar 2019 18:22

Tgt Ion: 130 Resp: 153339

Ion Ratio Lower Upper

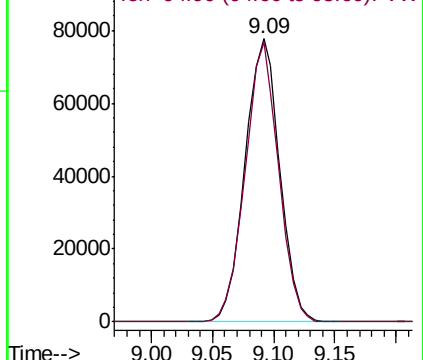
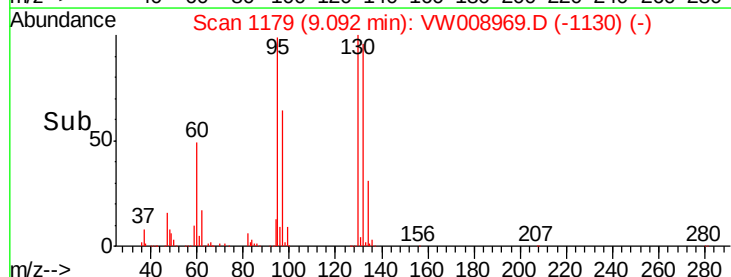
130 100

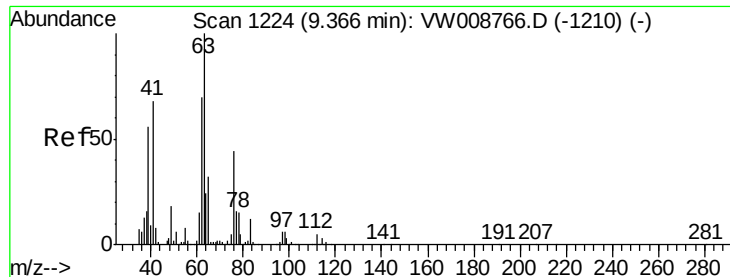
95 98.9 0.0 188.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 57.298 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

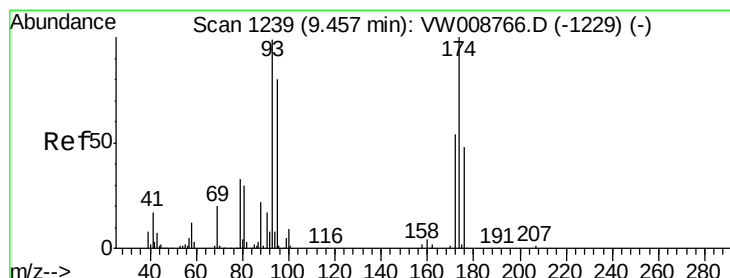
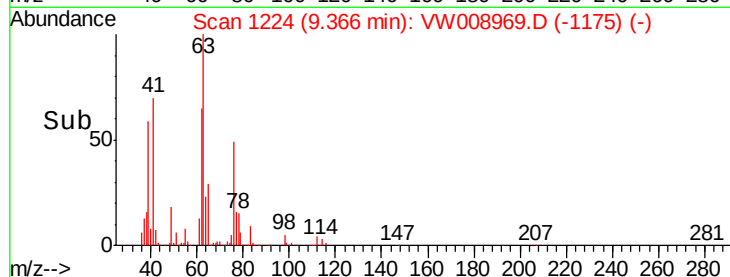
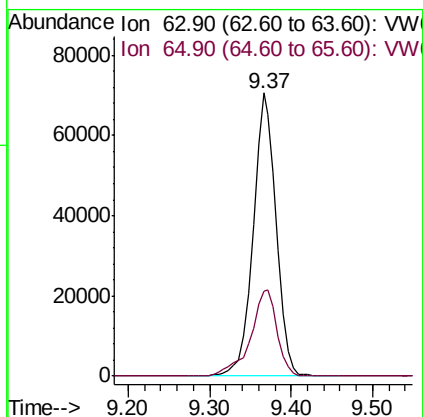
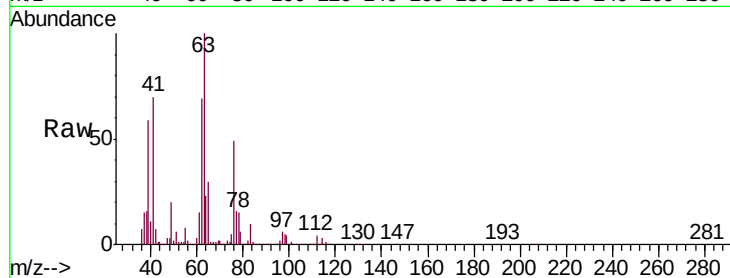
BFB

Tgt Ion: 63 Resp: 138964

Ion Ratio Lower Upper

63 100

65 29.9 25.5 38.3



#46

Dibromomethane

Concen: 60.076 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

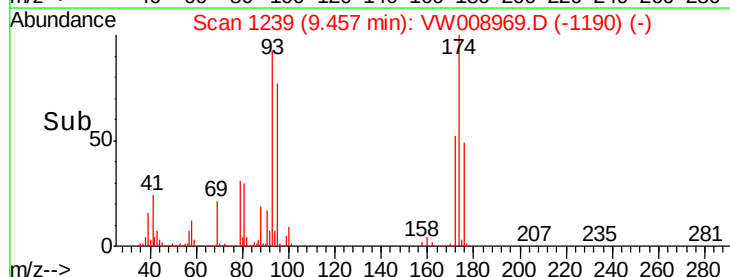
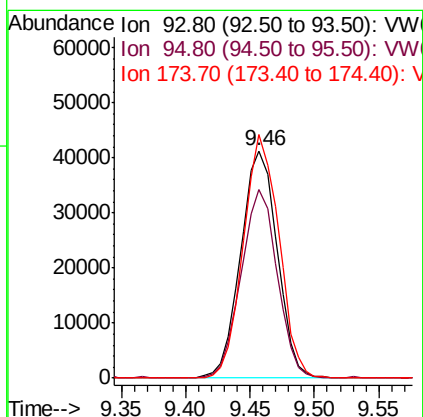
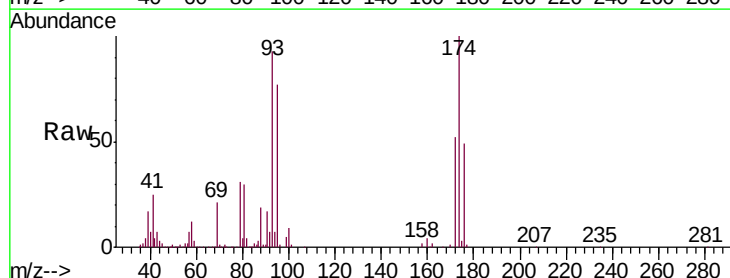
Tgt Ion: 93 Resp: 81045

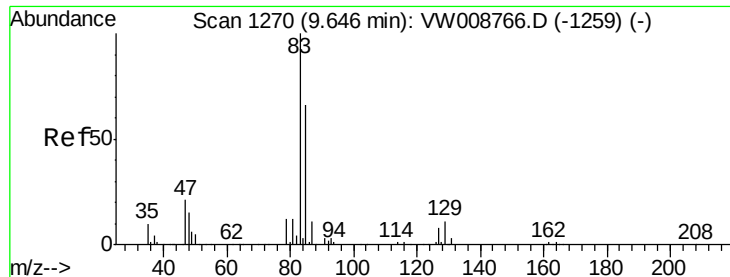
Ion Ratio Lower Upper

93 100

95 81.9 67.7 101.5

174 104.2 86.7 130.1

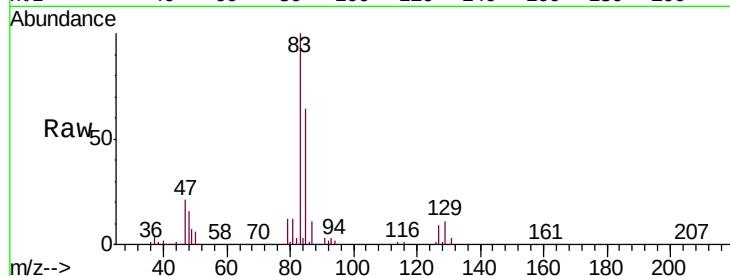




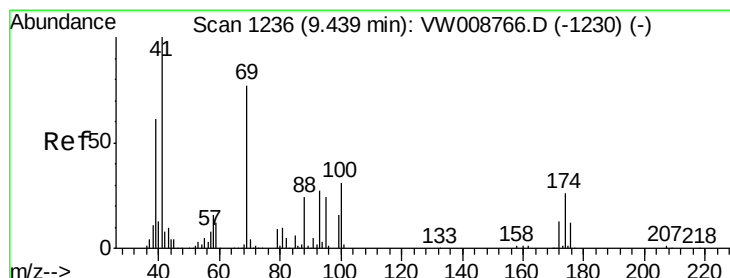
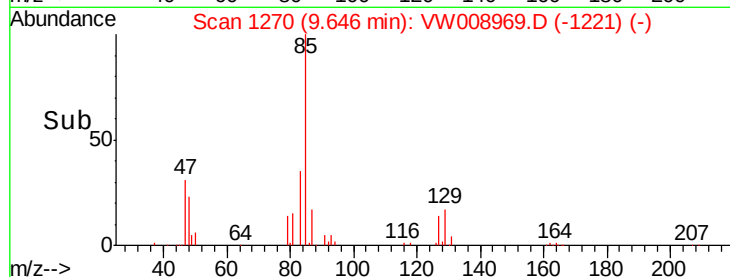
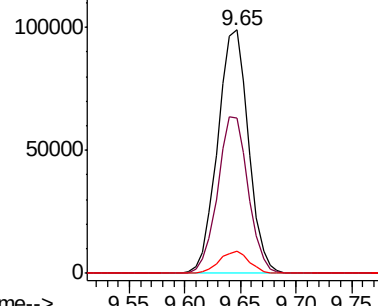
#47
 Bromodichloromethane
 Concen: 57.904 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Instrument :
 MSVOA_W
 ClientSampled :
 BFB

Tgt Ion: 83 Resp: 190056
 Ion Ratio Lower Upper
 83 100
 85 63.8 52.5 78.7
 127 8.9 6.7 10.1

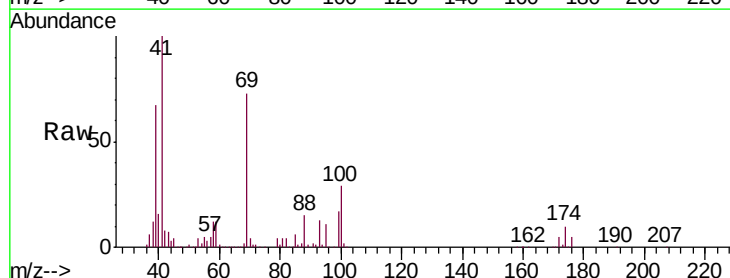


Abundance Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 126.80 (126.50 to 127.50): V

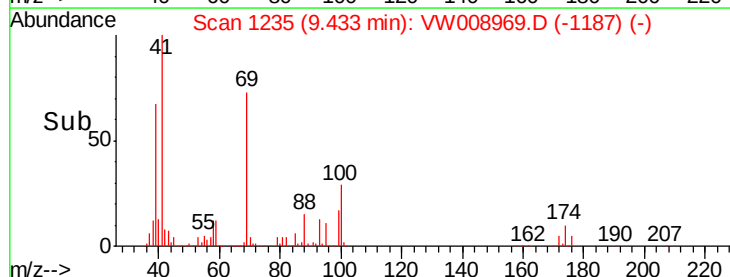
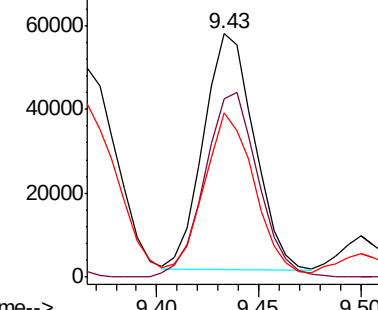


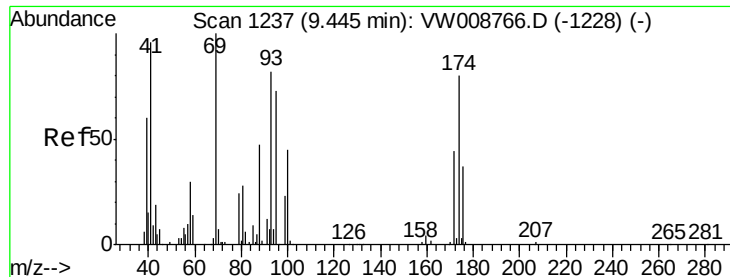
#48
 Methyl methacrylate
 Concen: 60.899 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Tgt Ion: 41 Resp: 97306
 Ion Ratio Lower Upper
 41 100
 69 82.1 63.6 95.4
 39 65.8 52.1 78.1



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

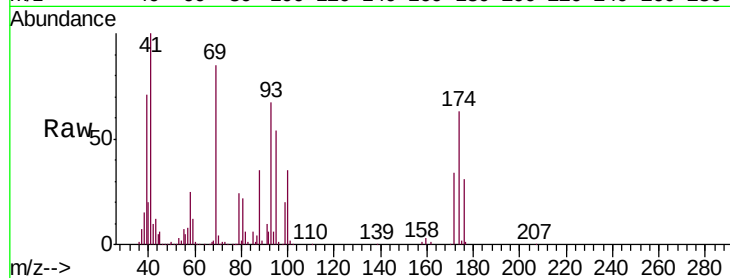




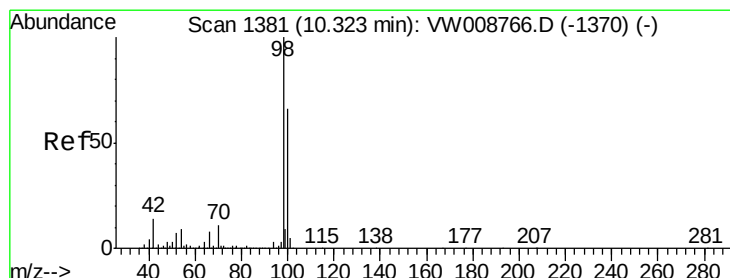
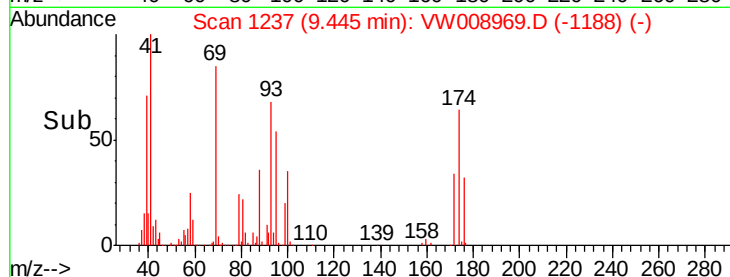
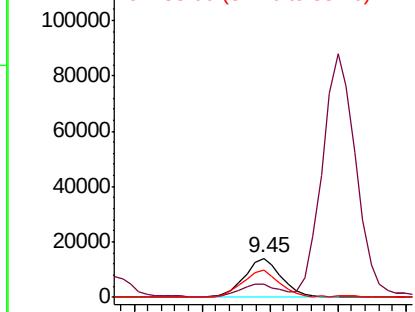
#49
1,4-Dioxane
Concen: 1248.167 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Instrument :
MSVOA_W
ClientSampled :
BFB

Tgt Ion: 88 Resp: 26965
Ion Ratio Lower Upper
88 100
43 34.0 29.0 43.4
58 66.1 52.0 78.0

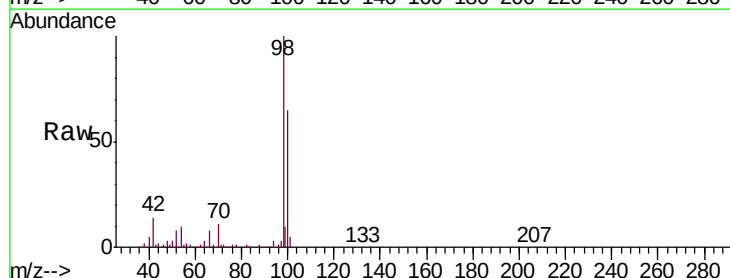


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

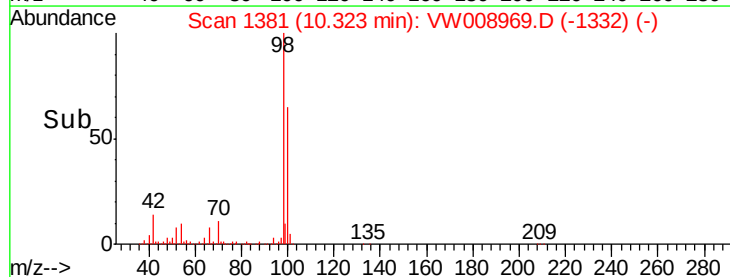
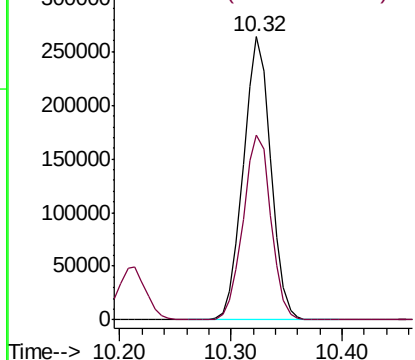


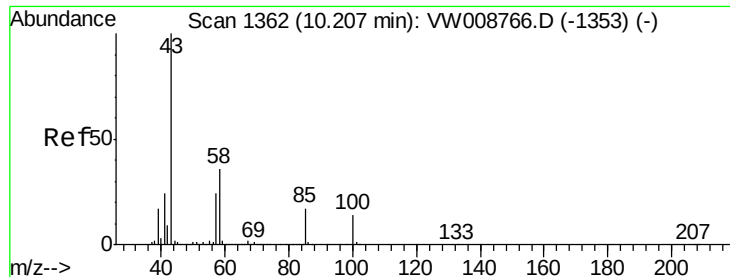
#50
Toluene-d8
Concen: 52.829 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion: 98 Resp: 452157
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6



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





#51

4-Methyl-2-Pentanone

Concen: 336.670 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampled :

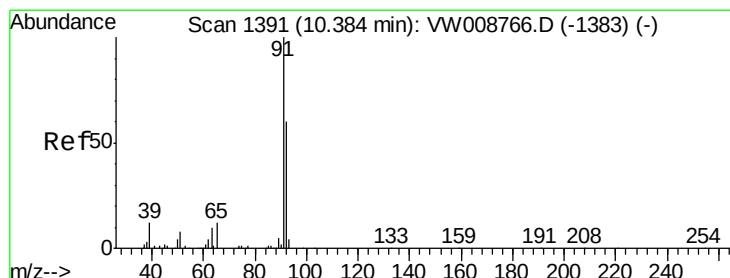
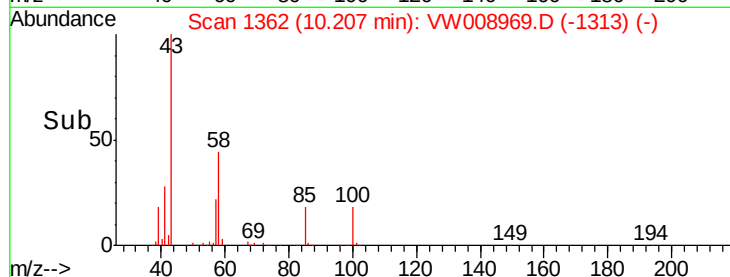
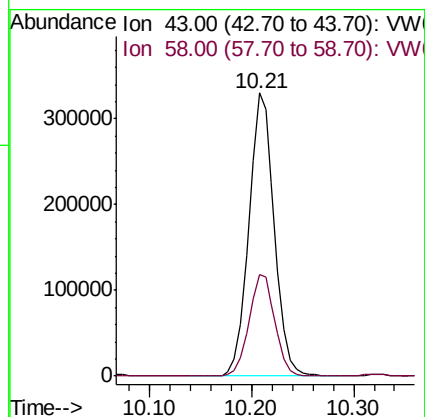
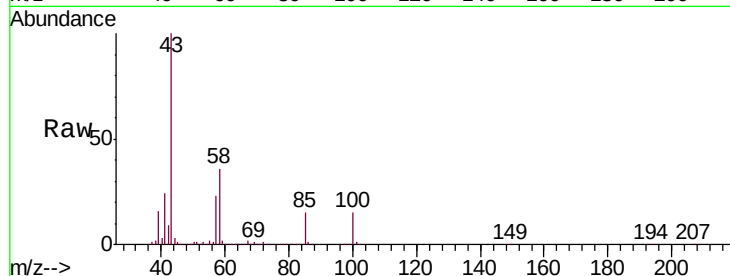
BFB

Tgt Ion: 43 Resp: 570240

Ion Ratio Lower Upper

43 100

58 36.6 29.1 43.7



#52

Toluene

Concen: 58.757 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008969.D

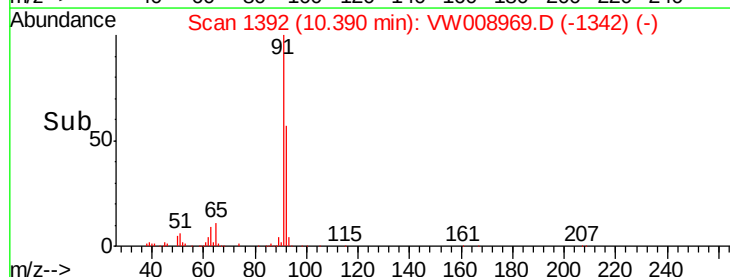
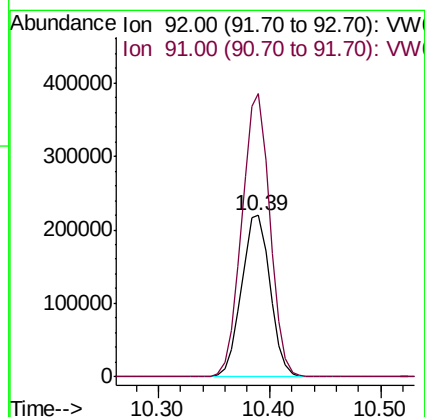
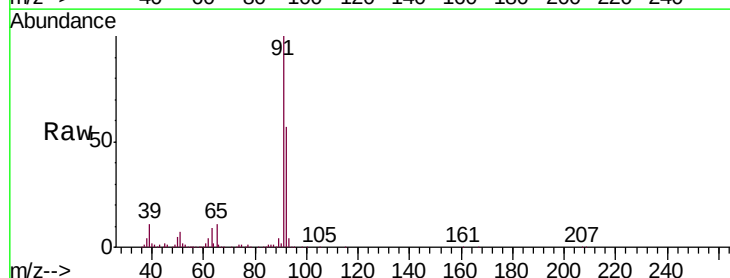
Acq: 04 Mar 2019 18:22

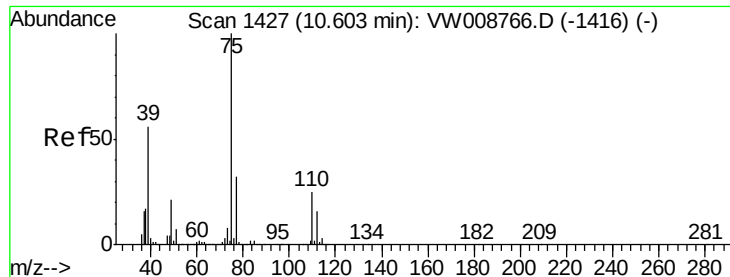
Tgt Ion: 92 Resp: 391369

Ion Ratio Lower Upper

92 100

91 171.9 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 58.781 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampled :

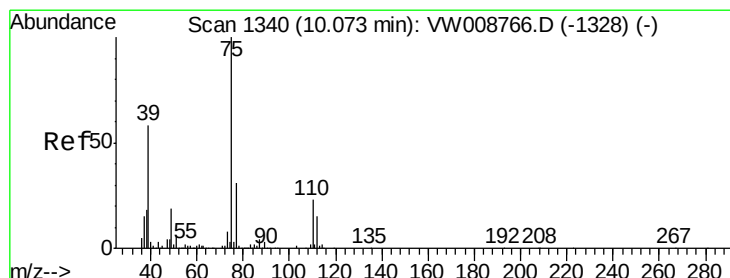
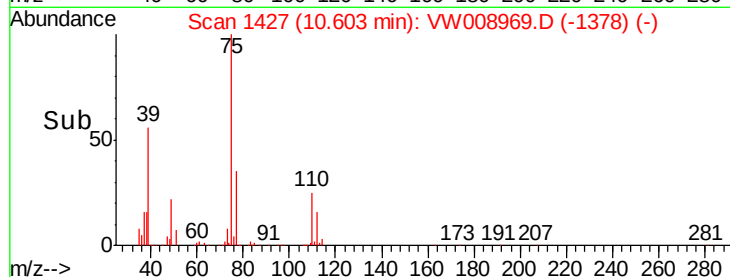
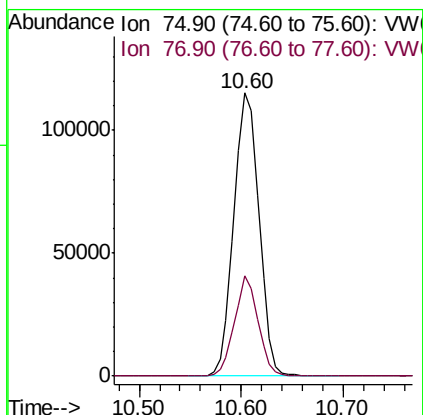
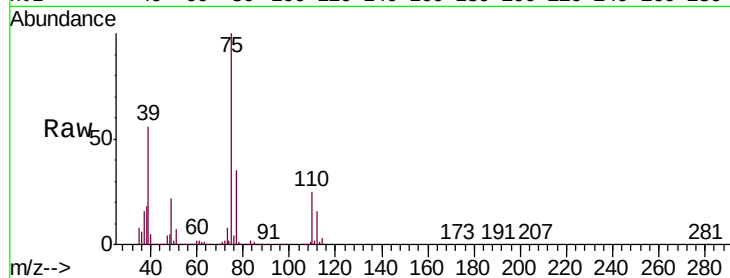
BFB

Tgt Ion: 75 Resp: 196649

Ion Ratio Lower Upper

75 100

77 35.3 26.1 39.1



#54

cis-1,3-Dichloropropene

Concen: 57.559 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

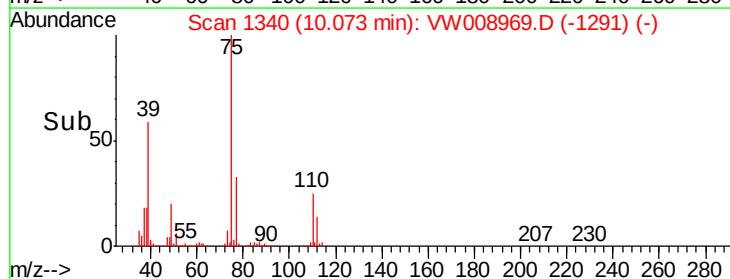
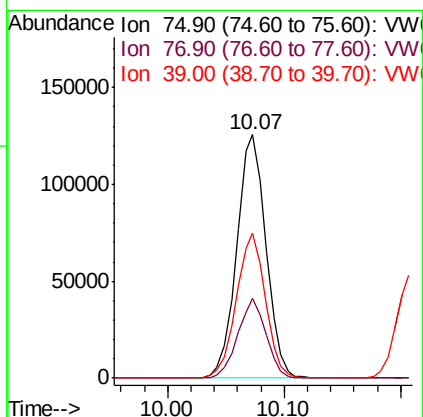
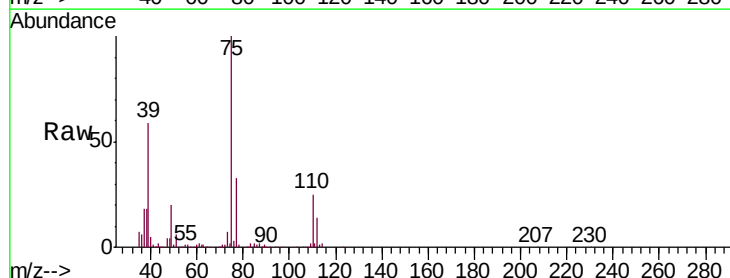
Tgt Ion: 75 Resp: 219622

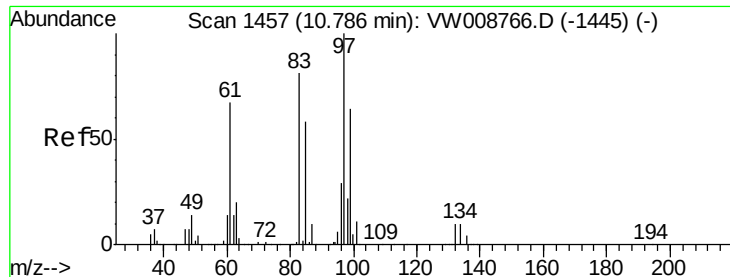
Ion Ratio Lower Upper

75 100

77 32.6 25.0 37.4

39 59.3 46.6 70.0





#55

1,1,2-Trichloroethane

Concen: 59.339 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampled :

BFB

Tgt Ion: 97 Resp: 108562

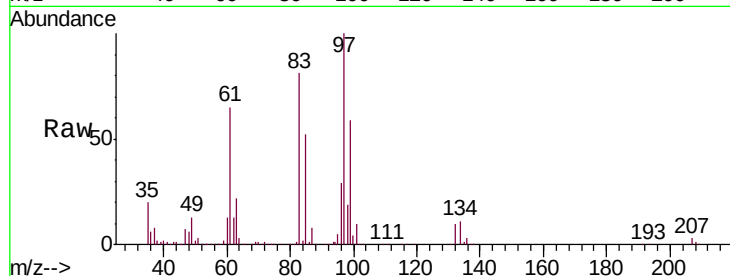
Ion Ratio Lower Upper

97 100

83 81.6 65.0 97.6

85 52.2 46.0 69.0

99 59.1 51.1 76.7



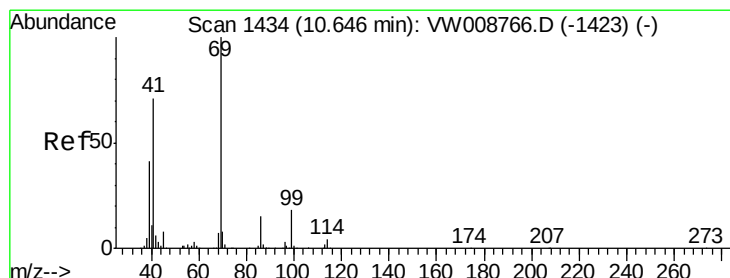
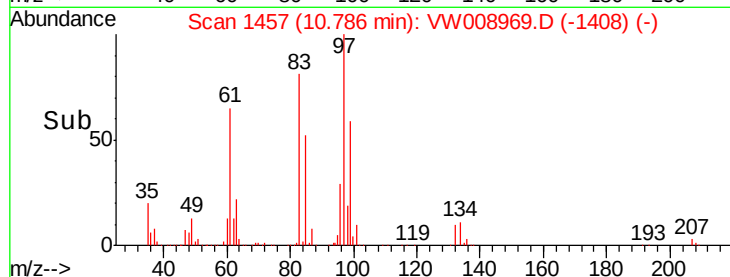
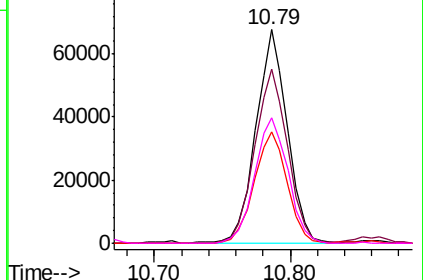
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 64.892 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

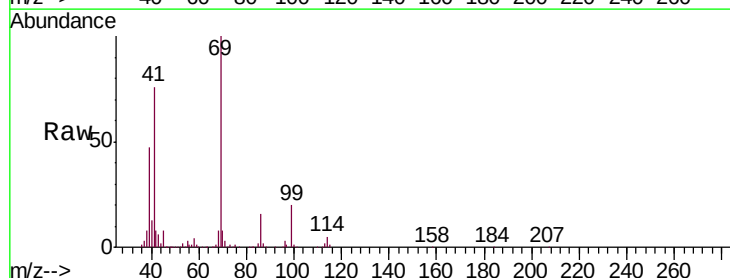
Tgt Ion: 69 Resp: 154244

Ion Ratio Lower Upper

69 100

41 74.0 57.4 86.0

39 43.9 34.8 52.2

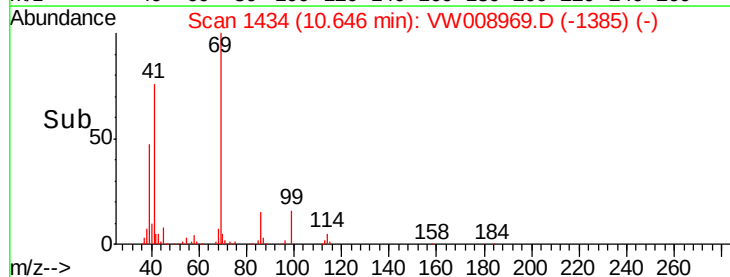
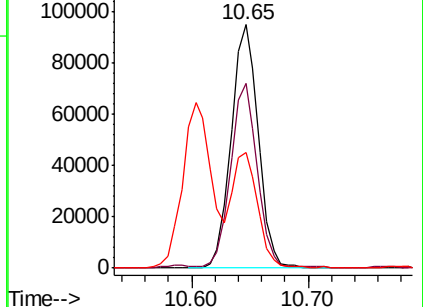


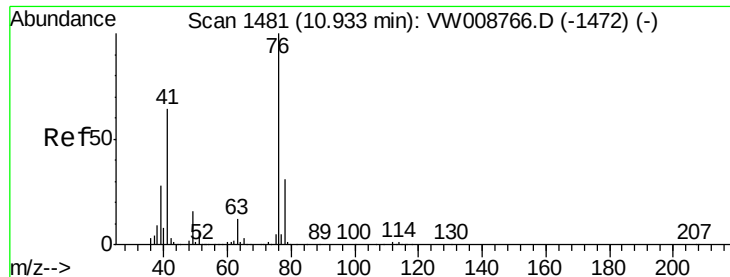
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

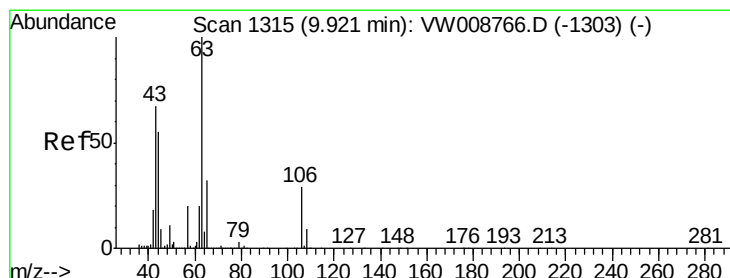
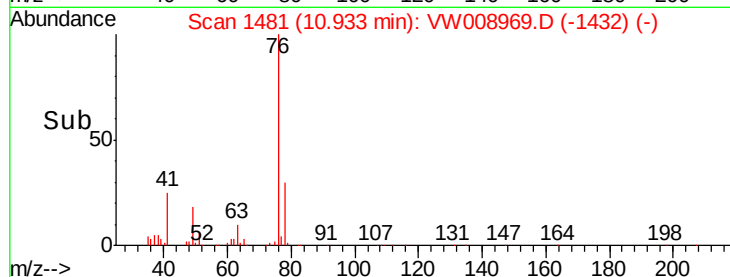
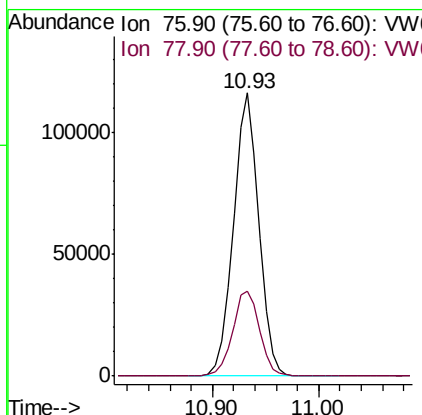
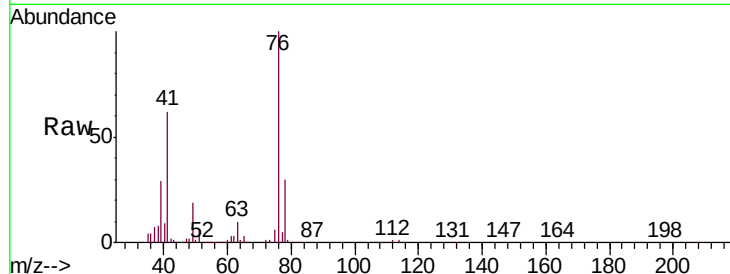




#57
 1,3-Dichloropropane
 Concen: 59.846 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

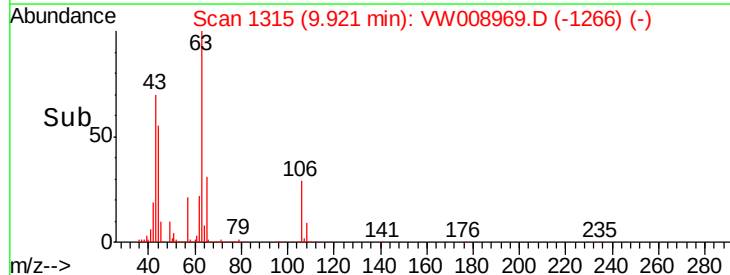
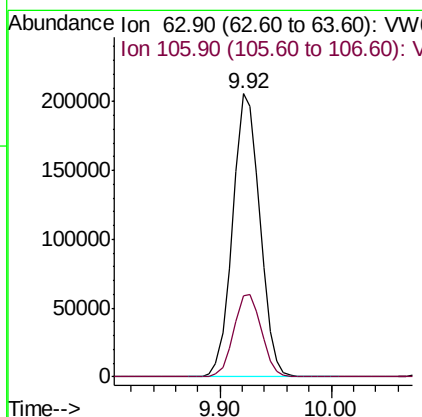
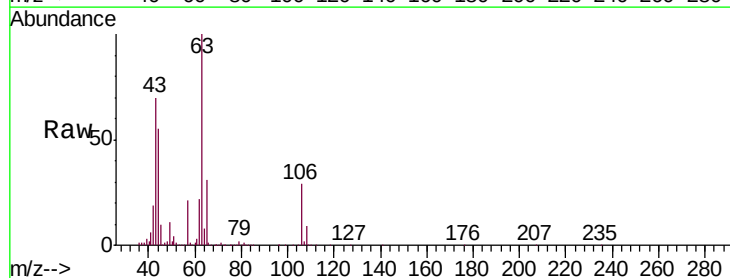
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

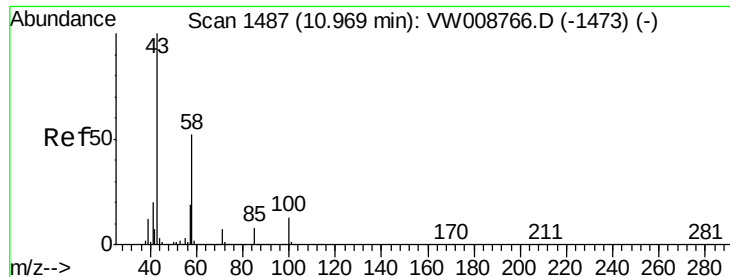
Tgt Ion: 76 Resp: 193314
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 291.759 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Tgt Ion: 63 Resp: 348787
 Ion Ratio Lower Upper
 63 100
 106 29.7 24.0 36.0

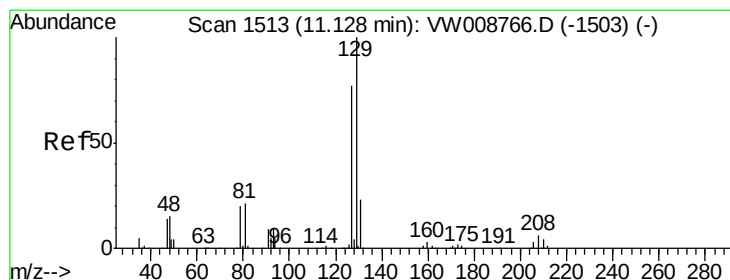
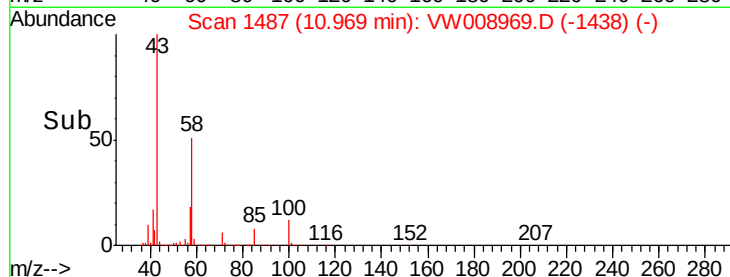
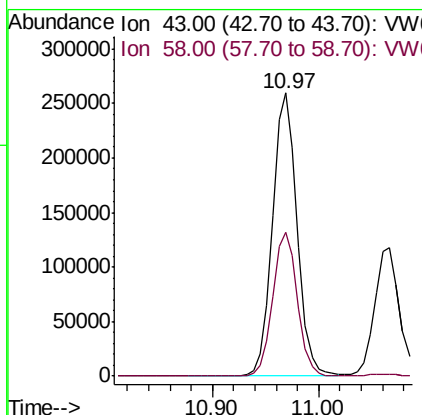
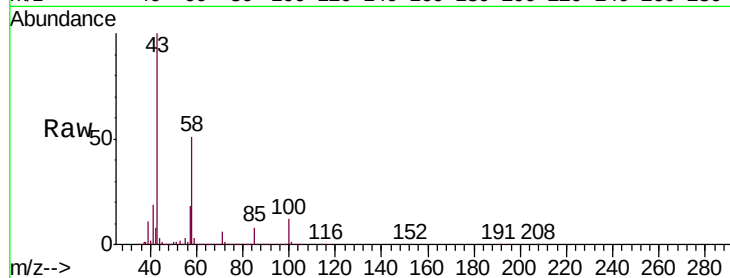




#59
2-Hexanone
Concen: 344.948 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

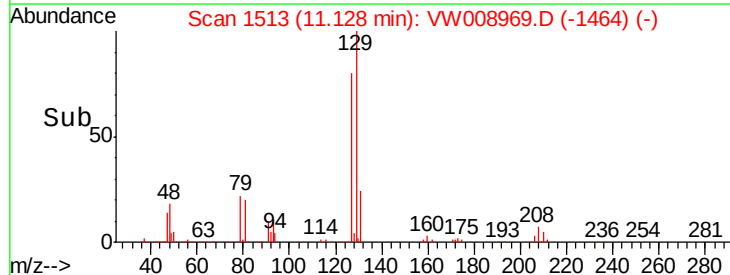
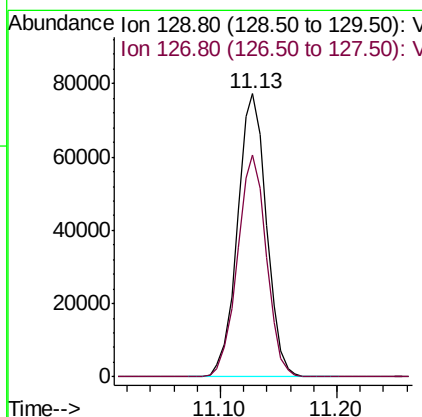
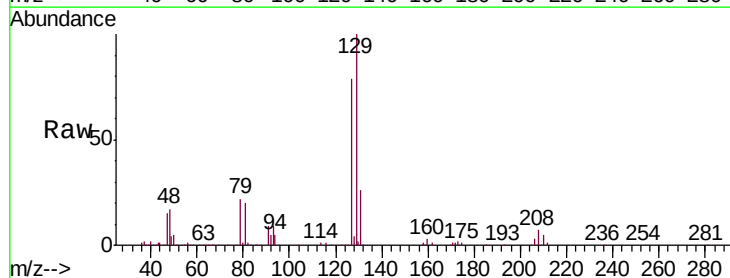
Instrument :
MSVOA_W
ClientSampleId :
BFB

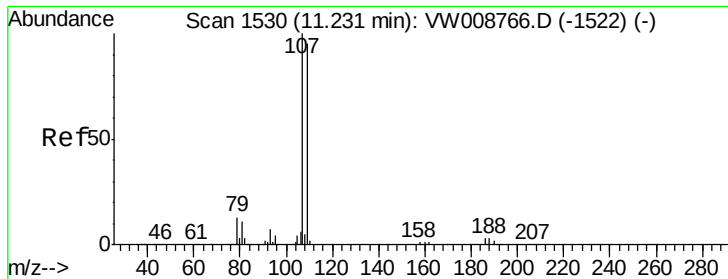
Tgt Ion: 43 Resp: 415902
Ion Ratio Lower Upper
43 100
58 51.2 25.3 75.8



#60
Dibromochloromethane
Concen: 59.999 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion: 129 Resp: 133889
Ion Ratio Lower Upper
129 100
127 78.4 39.0 116.9

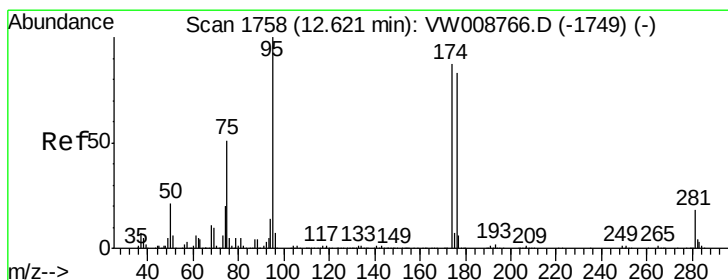
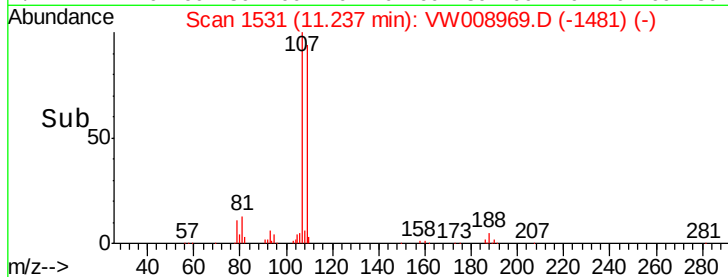
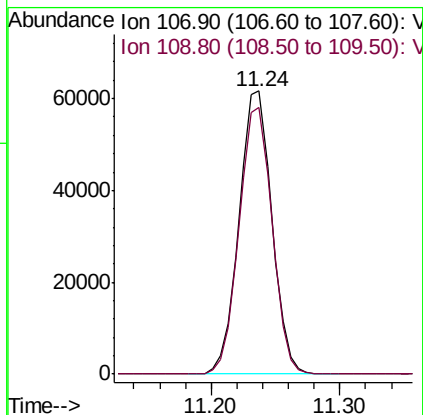
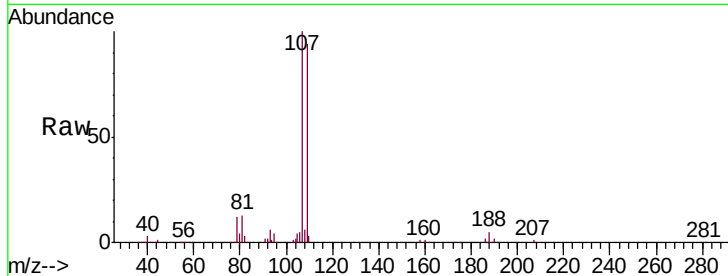




#61
 1,2-Dibromoethane
 Concen: 59.911 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

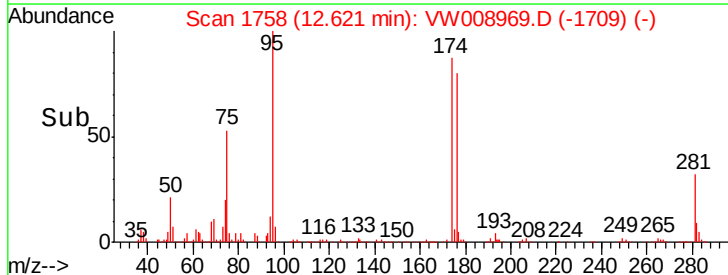
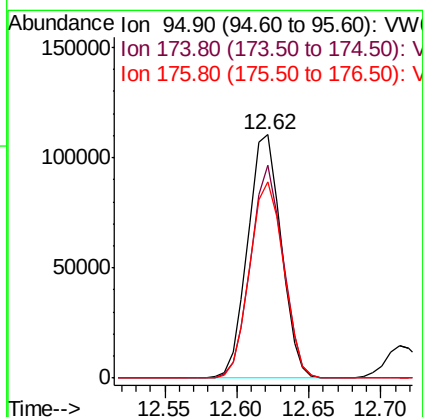
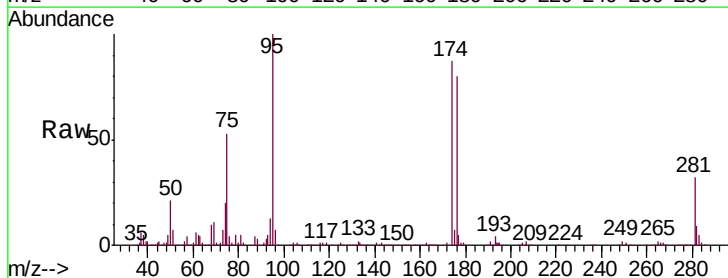
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

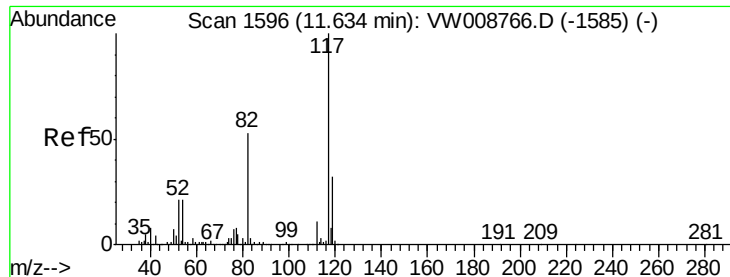
Tgt Ion: 107 Resp: 108495
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 52.776 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Tgt Ion: 95 Resp: 176862
 Ion Ratio Lower Upper
 95 100
 174 84.7 0.0 169.2
 176 82.2 0.0 163.6

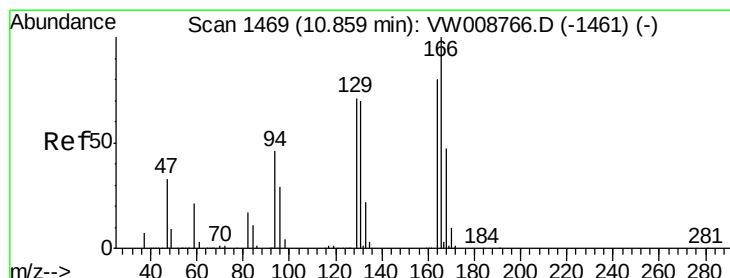
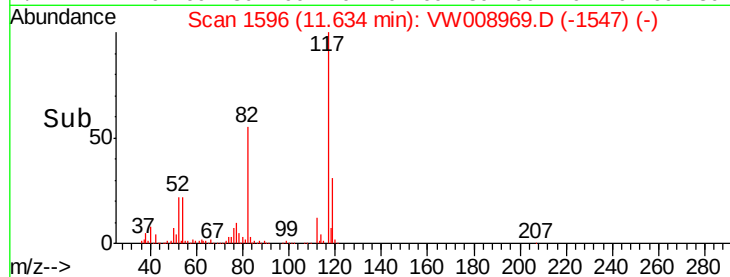
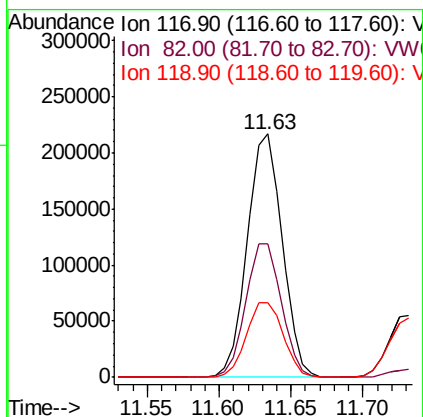
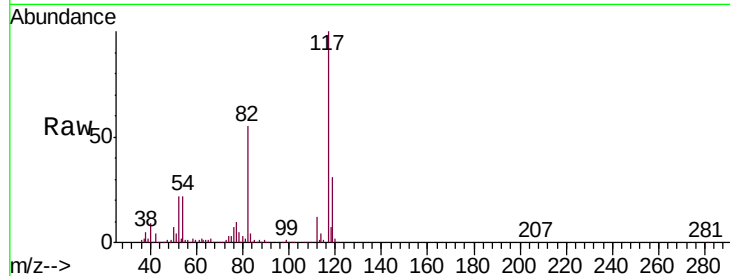




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

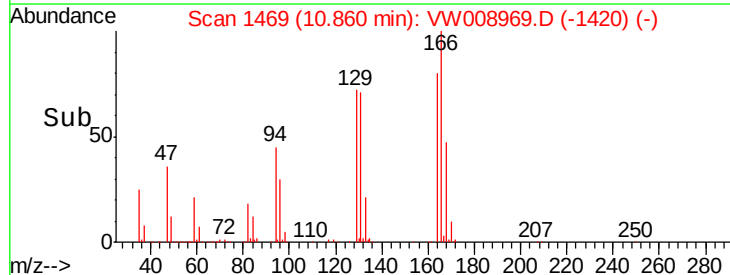
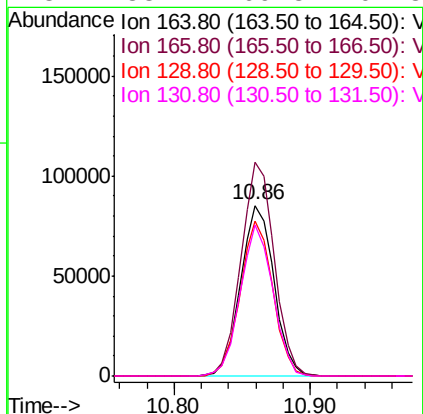
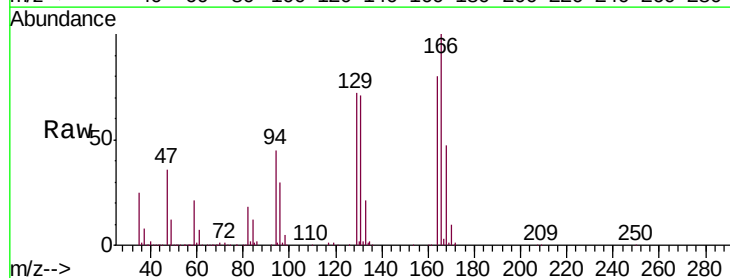
Instrument :
MSVOA_W
ClientSampled :
BFB

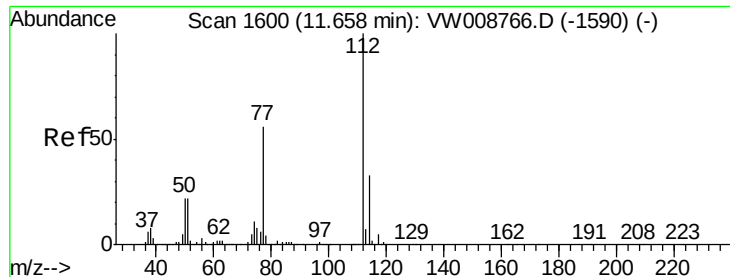
Tgt Ion:117 Resp: 363684
Ion Ratio Lower Upper
117 100
82 55.1 42.2 63.4
119 30.7 25.9 38.9



#64
Tetrachloroethene
Concen: 55.932 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion:164 Resp: 145608
Ion Ratio Lower Upper
164 100
166 125.4 99.5 149.3
129 90.7 71.1 106.7
131 88.4 69.8 104.8

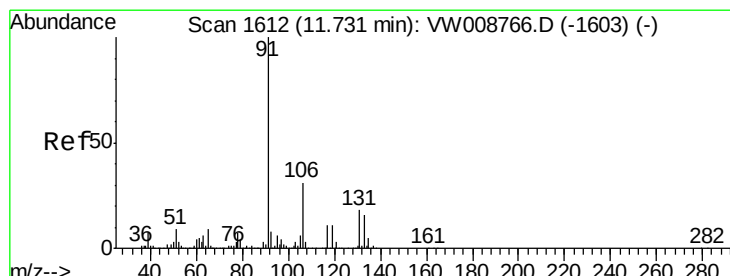
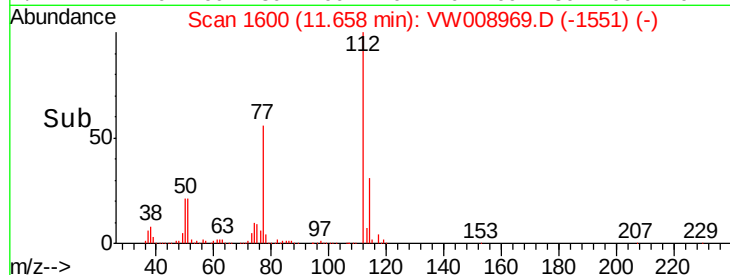
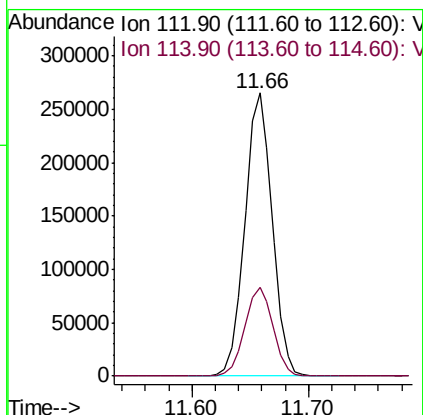
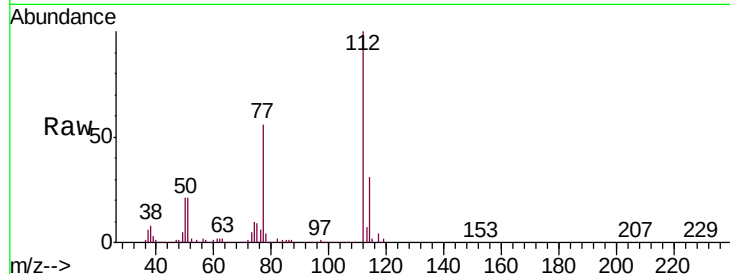




#65
Chlorobenzene
Concen: 56.846 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

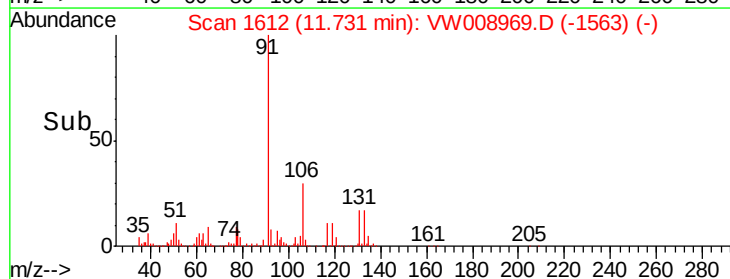
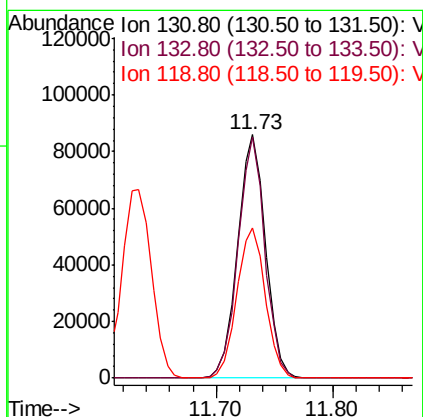
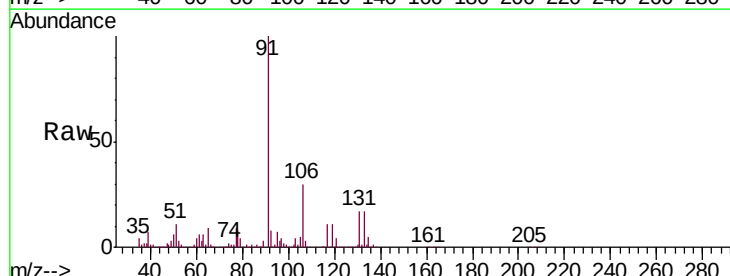
Instrument :
MSVOA_W
ClientSampled :
BFB

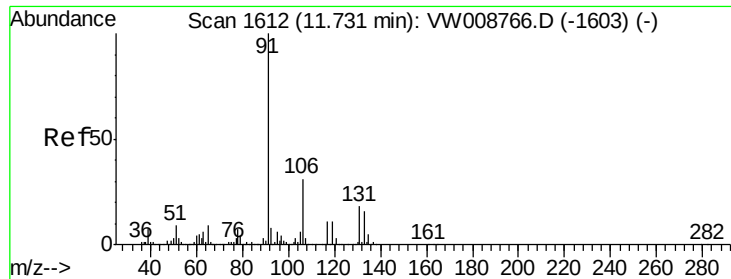
Tgt Ion:112 Resp: 434711
Ion Ratio Lower Upper
112 100
114 31.3 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 55.567 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion:131 Resp: 143680
Ion Ratio Lower Upper
131 100
133 95.1 46.7 140.0
119 62.9 30.8 92.4

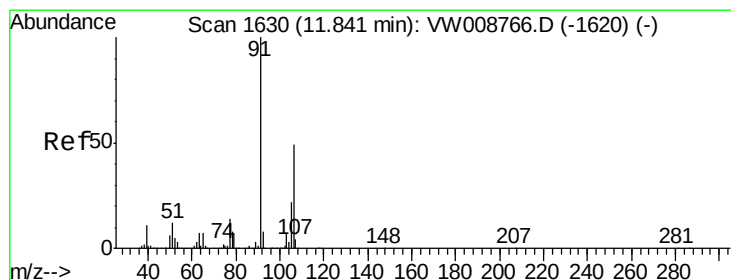
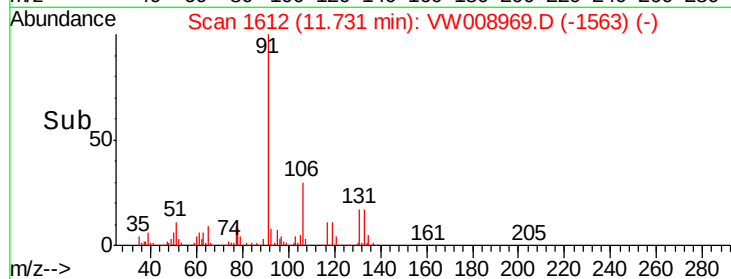
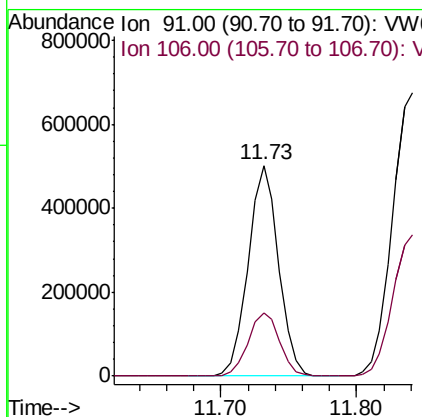
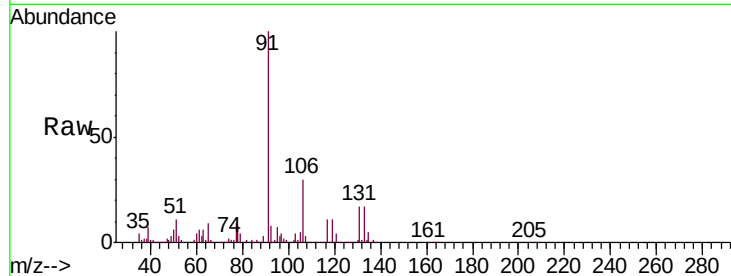




#67
 Ethyl Benzene
 Concen: 57.367 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

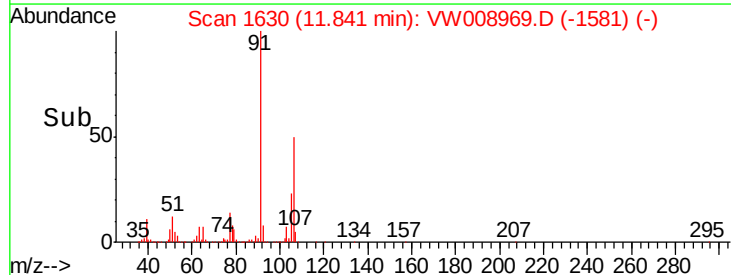
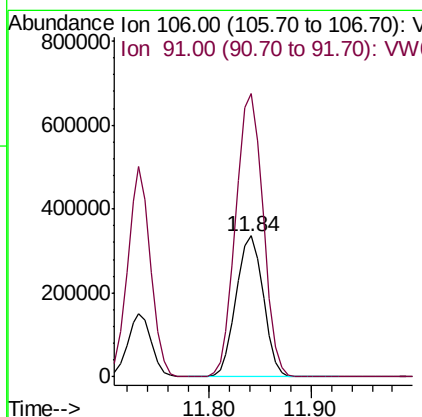
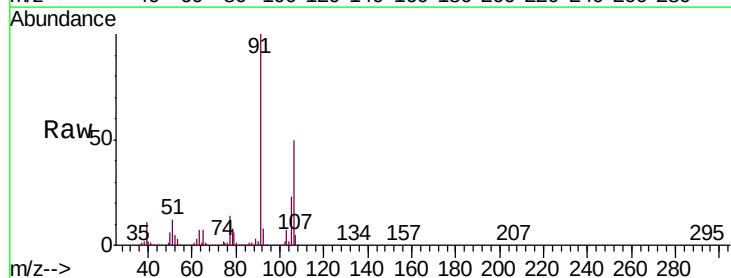
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

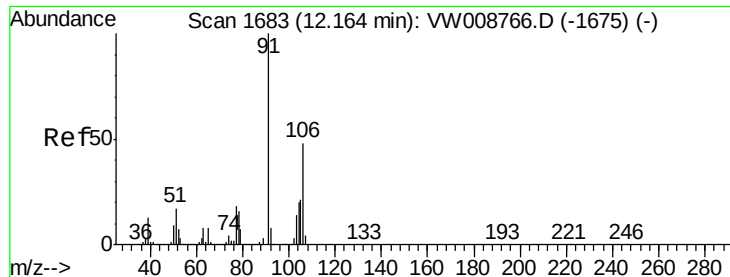
Tgt Ion: 91 Resp: 784236
 Ion Ratio Lower Upper
 91 100
 106 30.3 25.0 37.6



#68
 m/p-Xylenes
 Concen: 113.703 ug/l
 RT: 11.84 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Tgt Ion: 106 Resp: 621059
 Ion Ratio Lower Upper
 106 100
 91 201.8 161.5 242.3

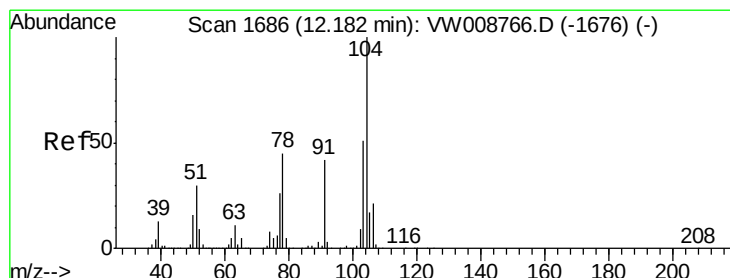
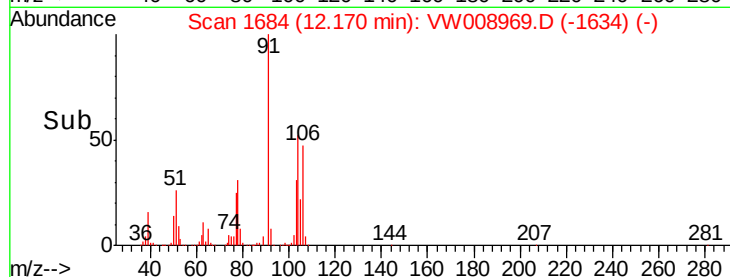
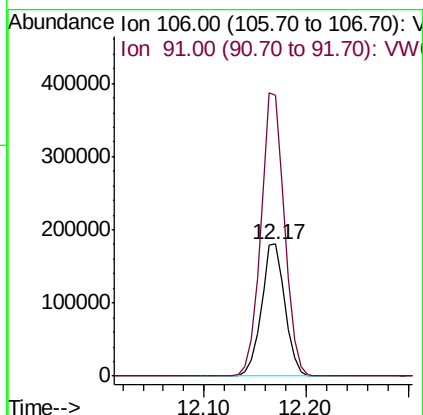
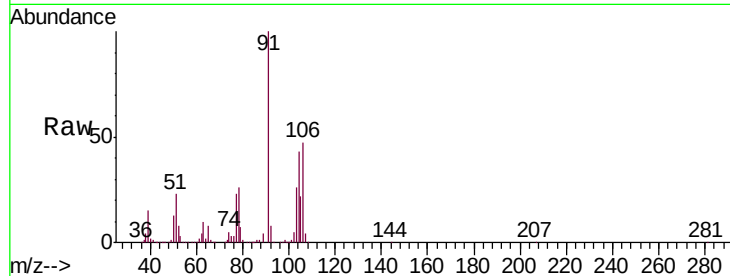




#69
o-Xylene
Concen: 56.466 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

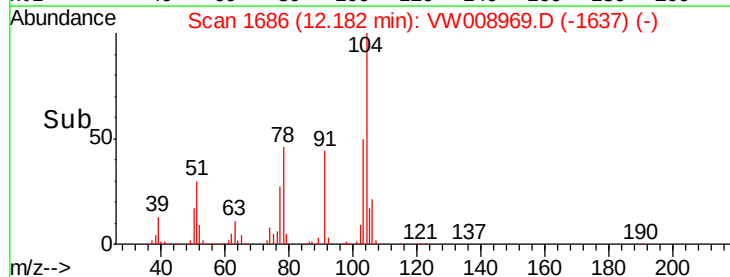
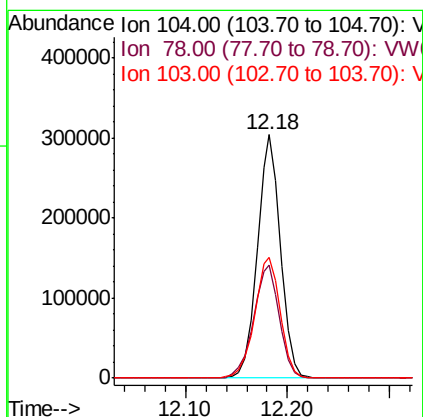
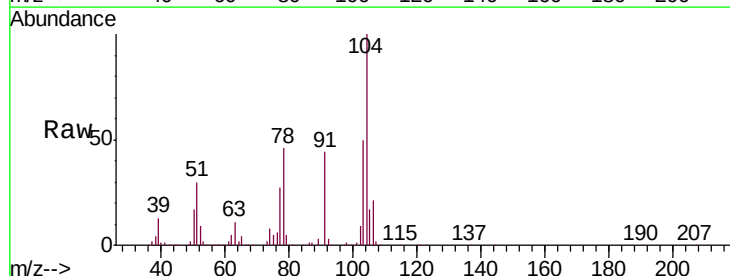
Instrument :
MSVOA_W
ClientSampled :
BFB

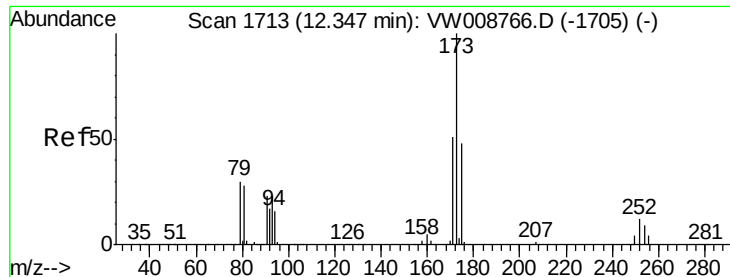
Tgt Ion:106 Resp: 289492
Ion Ratio Lower Upper
106 100
91 215.9 106.2 318.6



#70
Styrene
Concen: 58.093 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion:104 Resp: 479163
Ion Ratio Lower Upper
104 100
78 51.7 40.8 61.2
103 55.1 44.2 66.2





#71

Bromoform

Concen: 60.446 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

BFB

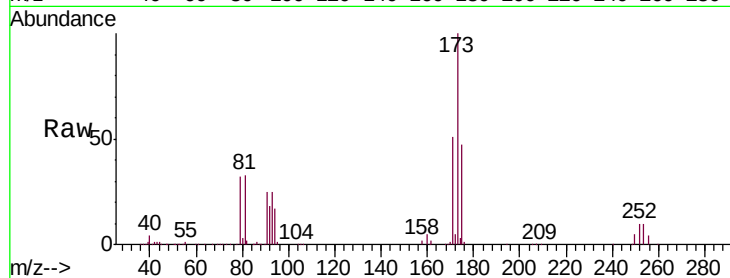
Tgt Ion:173 Resp: 84014

Ion Ratio Lower Upper

173 100

175 47.4 24.2 72.6

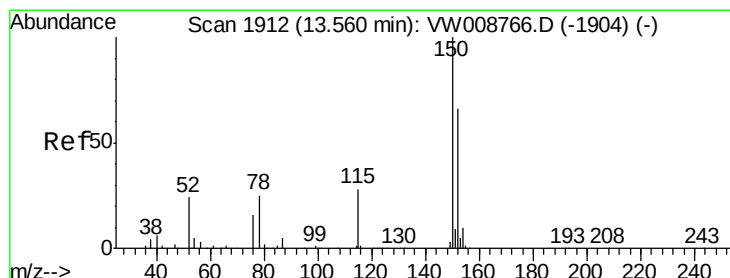
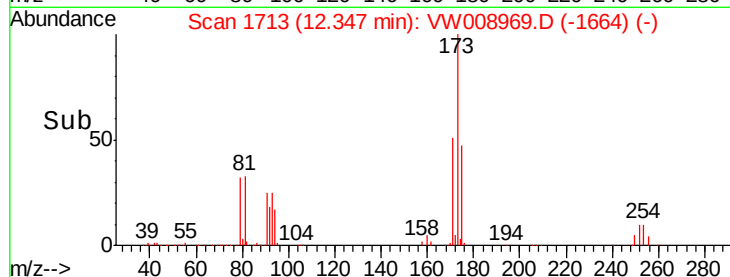
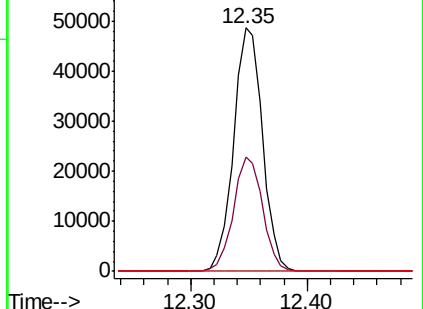
254 0.0 0.2 0.4#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

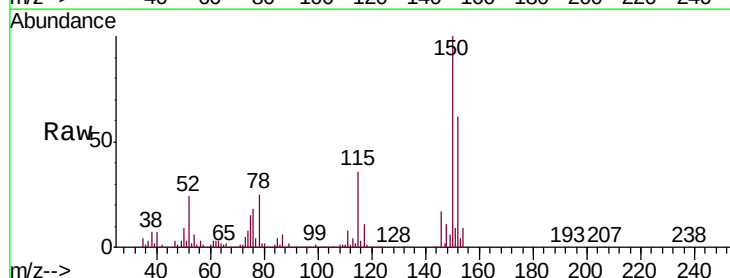
Tgt Ion:152 Resp: 205505

Ion Ratio Lower Upper

152 100

115 58.4 28.6 85.8

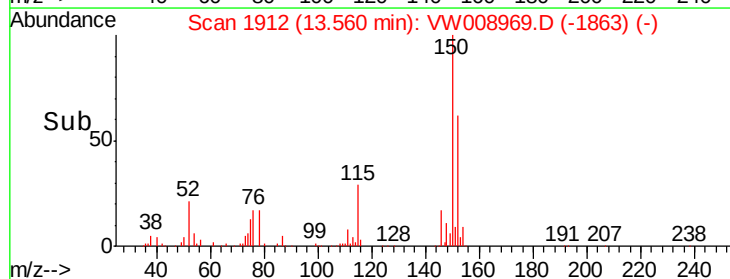
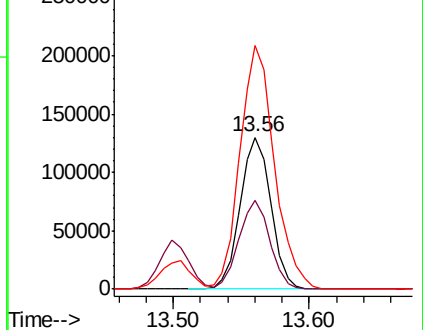
150 178.9 0.0 348.0

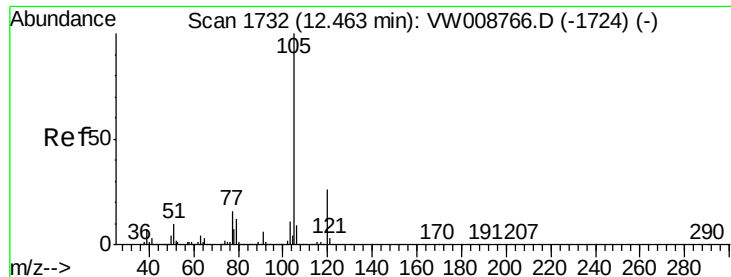


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.480 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampled :

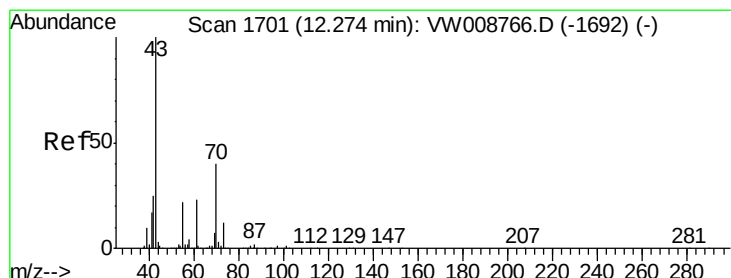
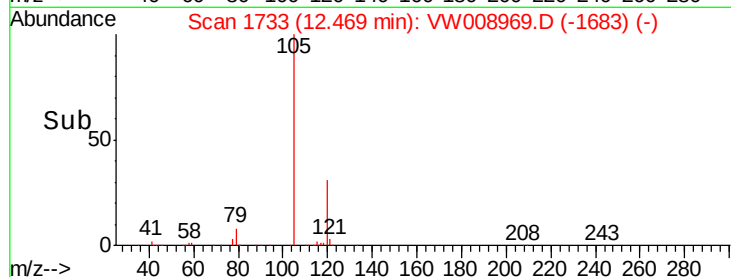
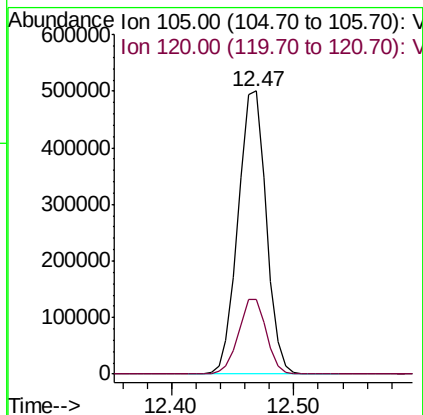
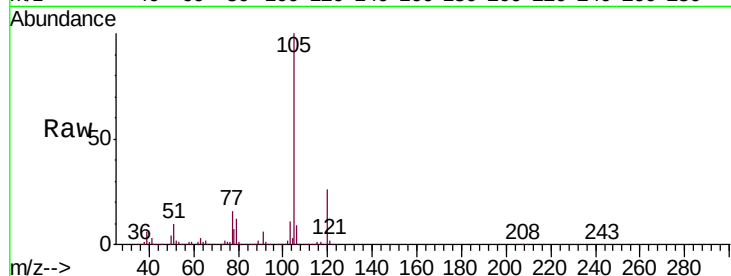
BFB

Tgt Ion: 105 Resp: 795707

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.9



#74

N-ethyl acetate

Concen: 63.831 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Tgt Ion: 43 Resp: 226519

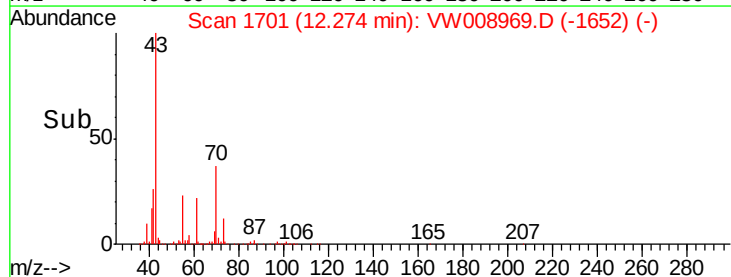
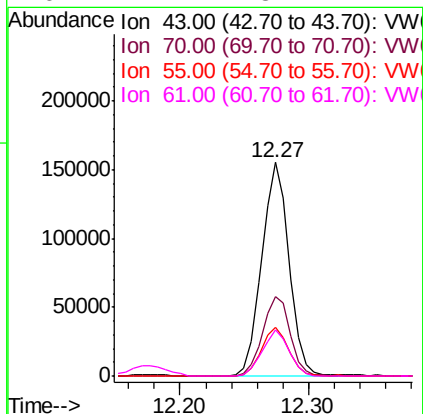
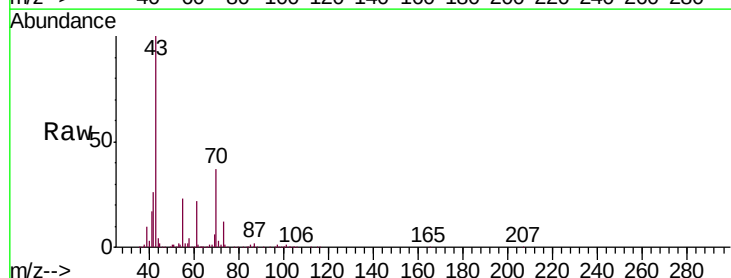
Ion Ratio Lower Upper

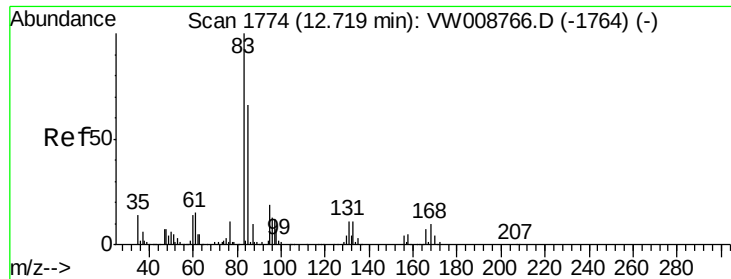
43 100

70 37.9 31.0 46.6

55 23.2 18.7 28.1

61 21.4 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 60.993 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampled :

BFB

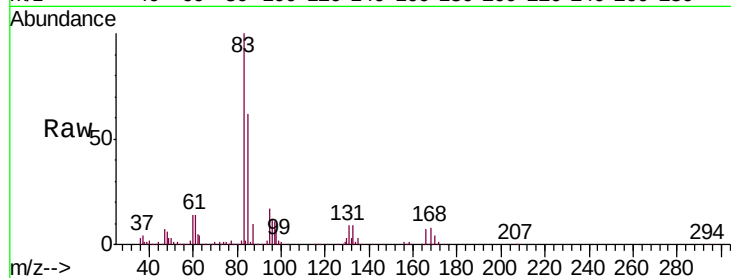
Tgt Ion: 83 Resp: 140403

Ion Ratio Lower Upper

83 100

131 10.5 5.5 16.7

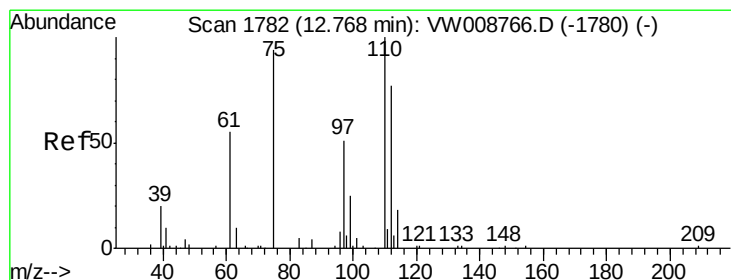
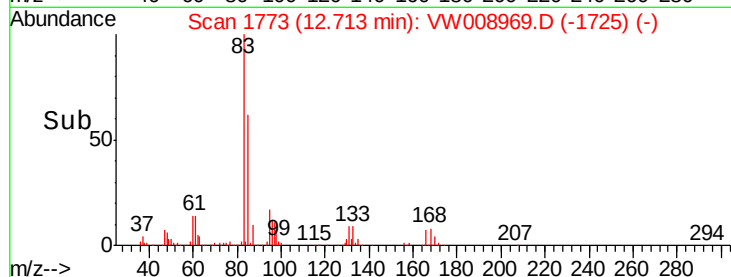
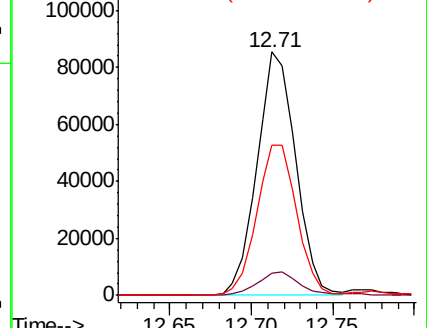
85 63.7 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 112.821 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008969.D

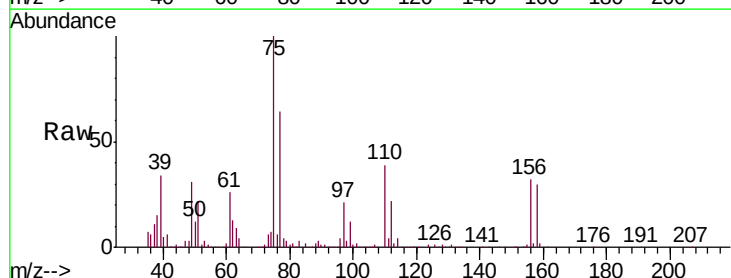
Acq: 04 Mar 2019 18:22

Tgt Ion: 75 Resp: 191426

Ion Ratio Lower Upper

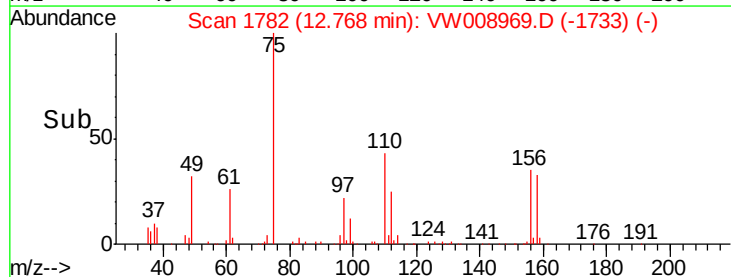
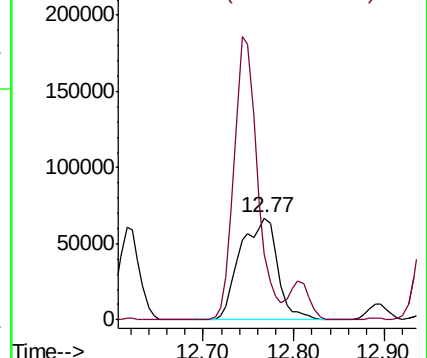
75 100

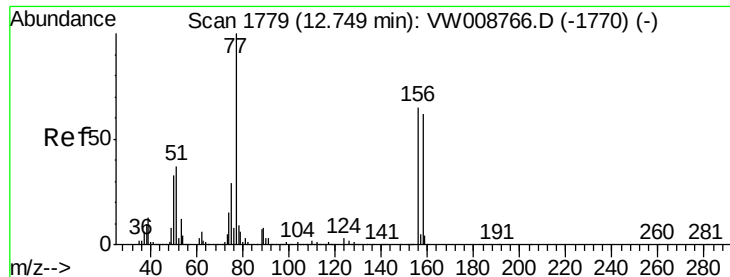
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

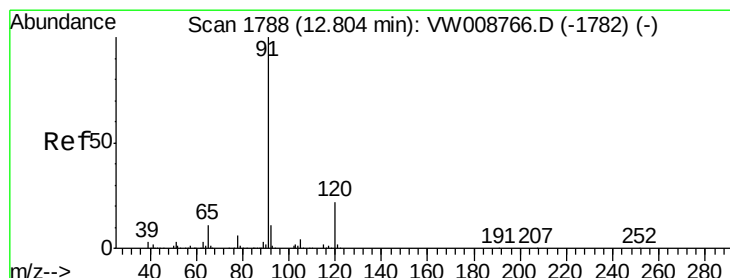
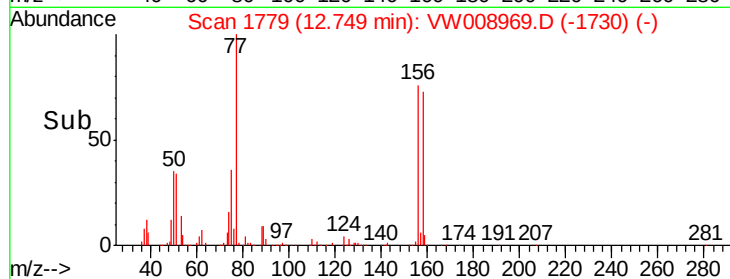
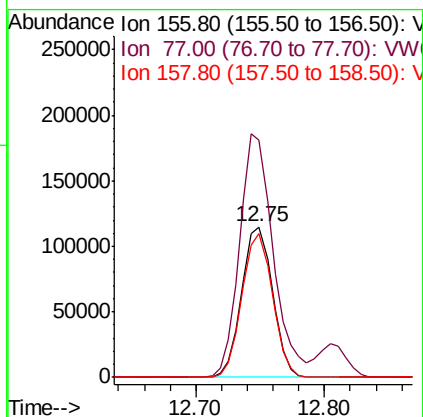
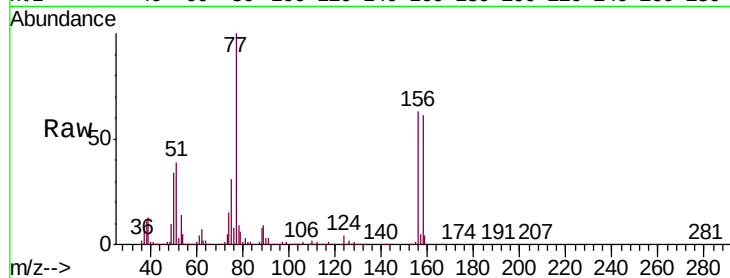




#77
Bromobenzene
Concen: 57.199 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

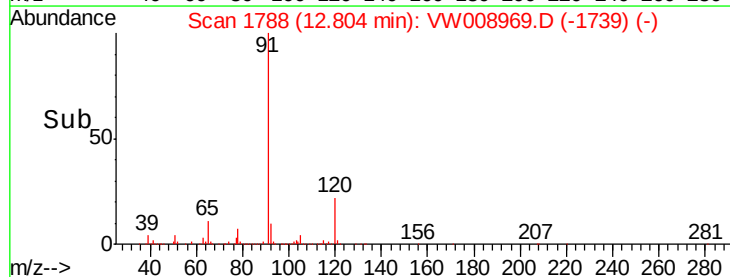
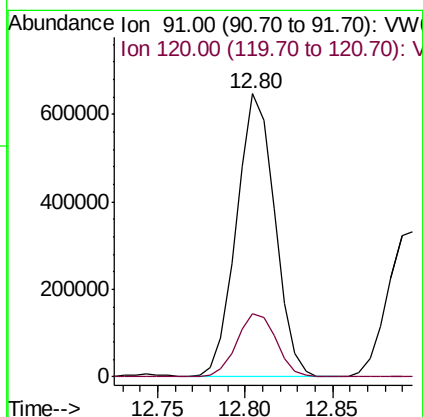
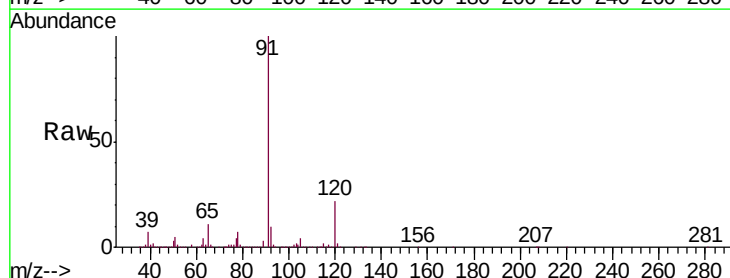
Instrument :
MSVOA_W
ClientSampled :
BFB

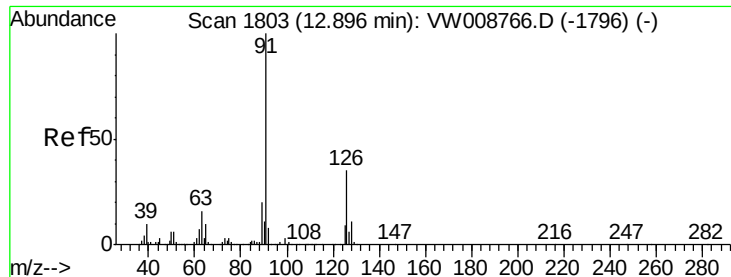
Tgt Ion: 156 Resp: 190426
Ion Ratio Lower Upper
156 100
77 176.4 89.1 267.4
158 94.6 49.2 147.6



#78
n-propylbenzene
Concen: 57.327 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion: 91 Resp: 987922
Ion Ratio Lower Upper
91 100
120 23.1 11.5 34.4





#79

2-Chlorotoluene

Concen: 56.372 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

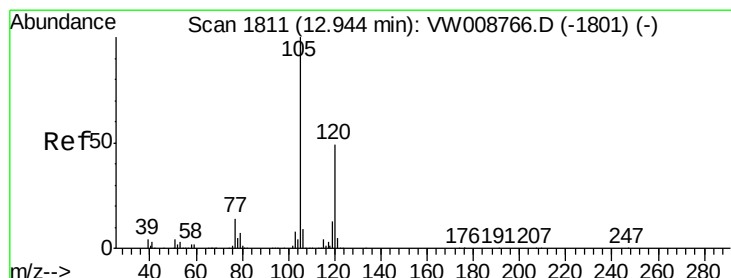
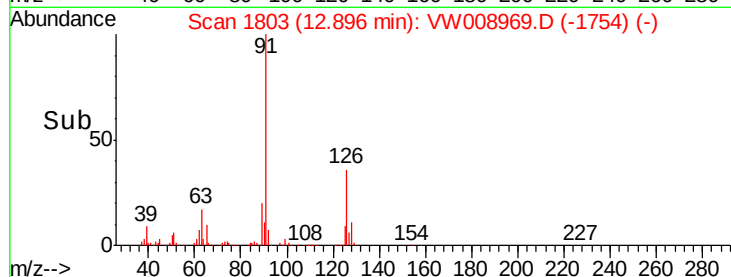
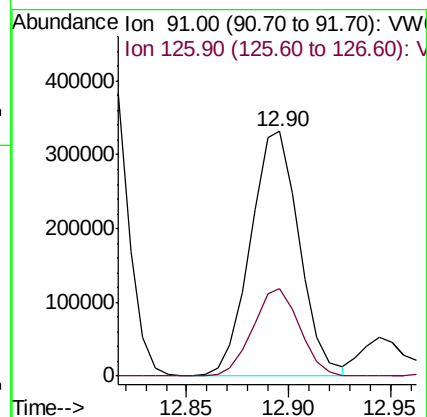
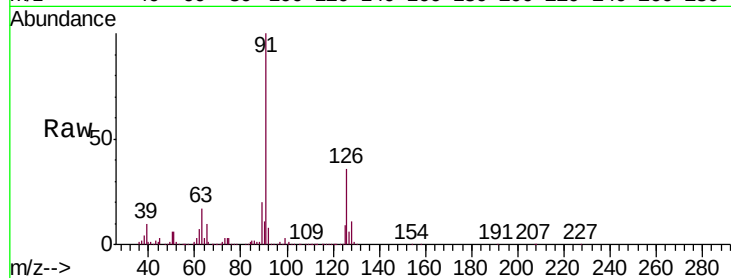
BFB

Tgt Ion: 91 Resp: 551560

Ion Ratio Lower Upper

91 100

126 34.5 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 56.420 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008969.D

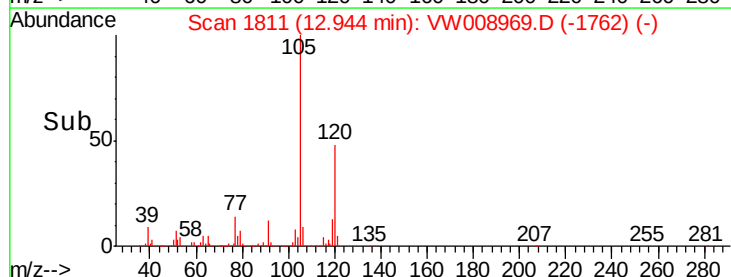
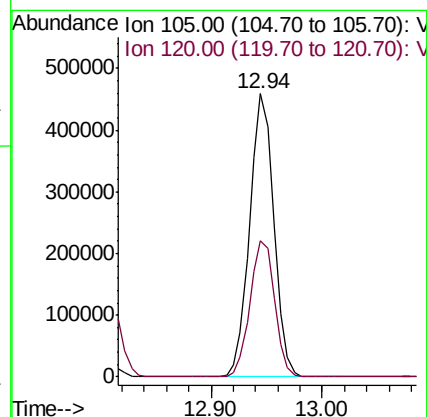
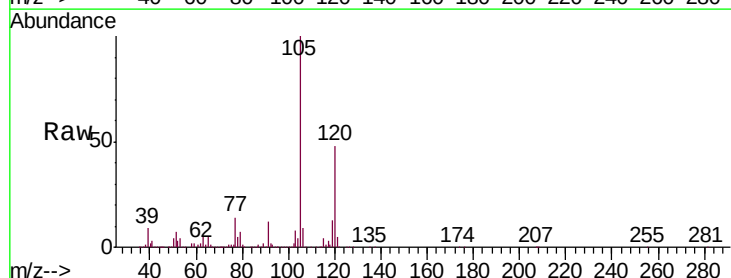
Acq: 04 Mar 2019 18:22

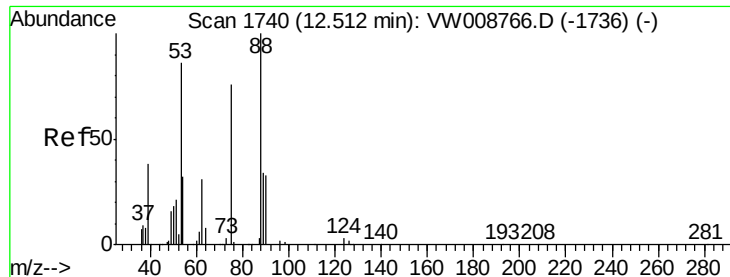
Tgt Ion: 105 Resp: 690745

Ion Ratio Lower Upper

105 100

120 49.3 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 60.475 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

BFB

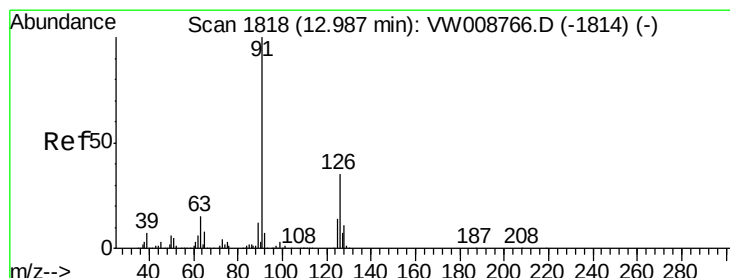
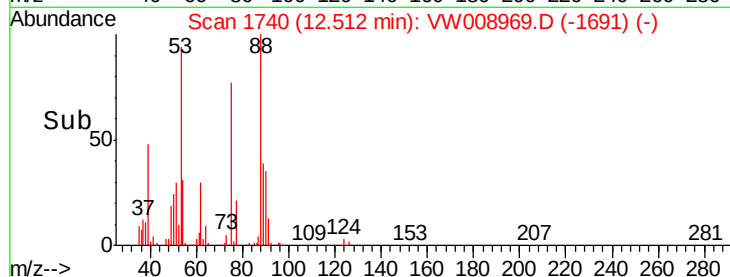
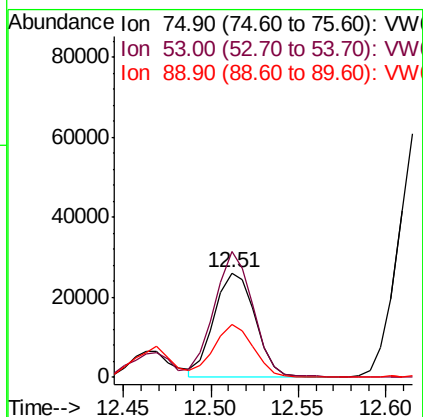
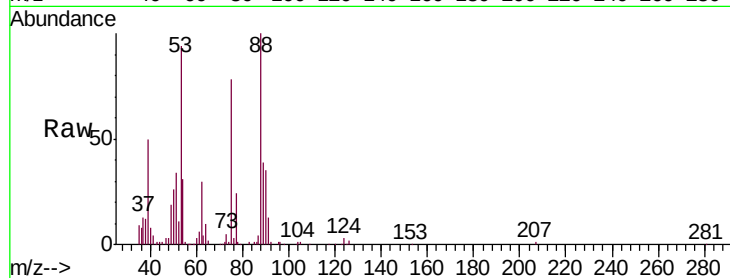
Tgt Ion: 75 Resp: 42207

Ion Ratio Lower Upper

75 100

53 117.3 88.2 132.2

89 49.3 39.5 59.3



#82

4-Chlorotoluene

Concen: 56.636 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW008969.D

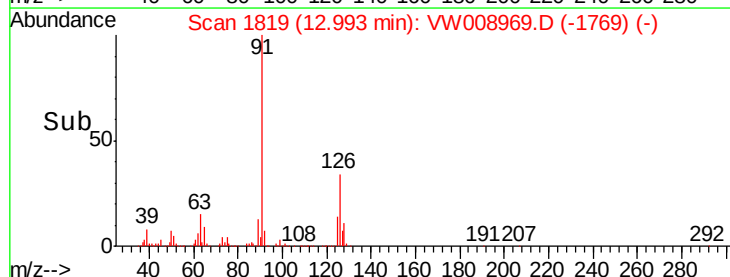
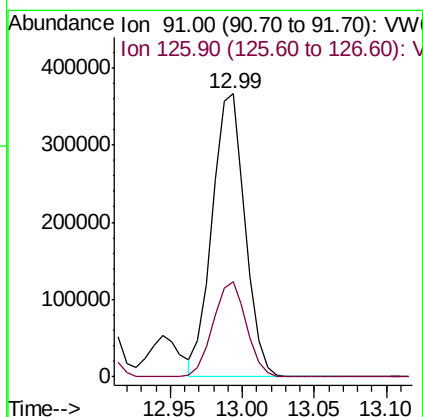
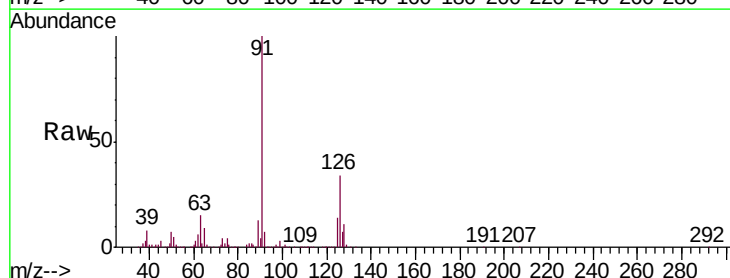
Acq: 04 Mar 2019 18:22

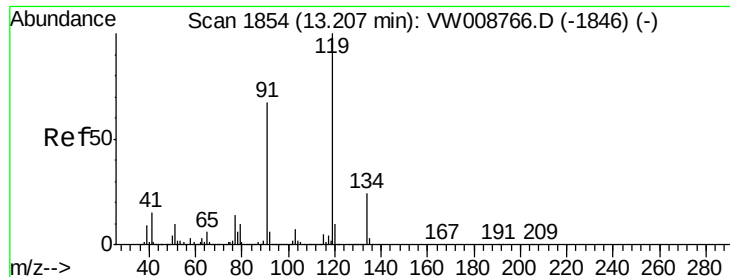
Tgt Ion: 91 Resp: 583954

Ion Ratio Lower Upper

91 100

126 34.0 17.2 51.6





#83

tert-Butylbenzene

Concen: 55.332 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

BFB

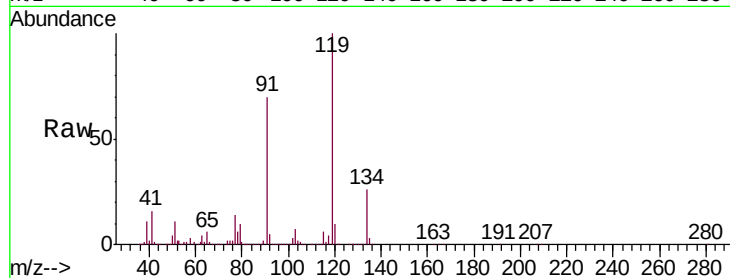
Tgt Ion:119 Resp: 585741

Ion Ratio Lower Upper

119 100

91 68.8 33.6 100.8

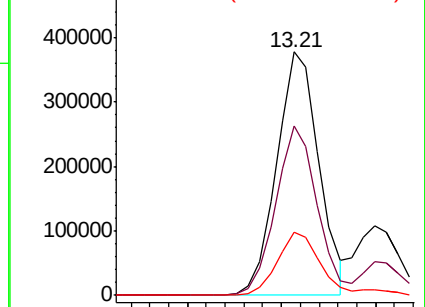
134 27.7 13.7 41.1



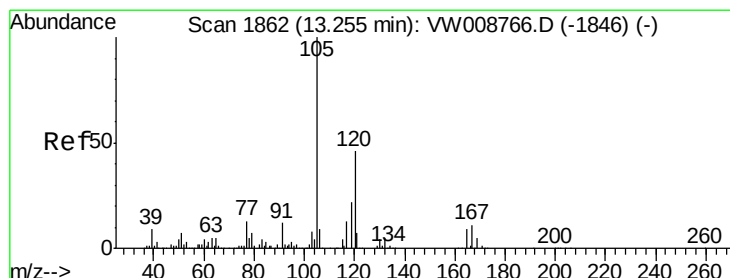
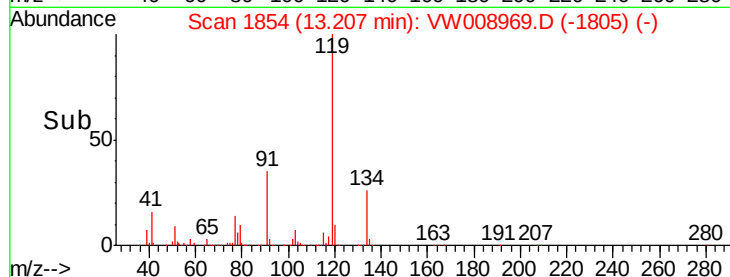
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 55.683 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008969.D

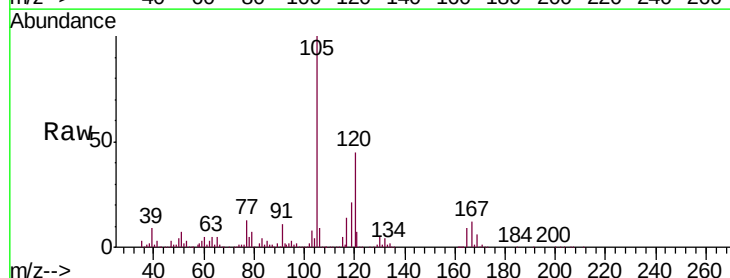
Acq: 04 Mar 2019 18:22

Tgt Ion:105 Resp: 705696

Ion Ratio Lower Upper

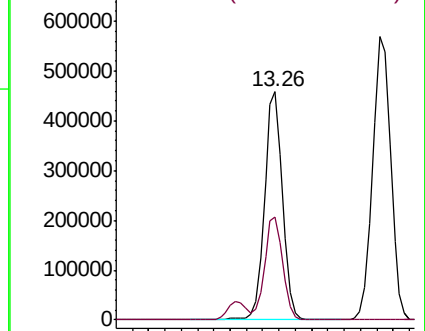
105 100

120 45.5 22.8 68.4

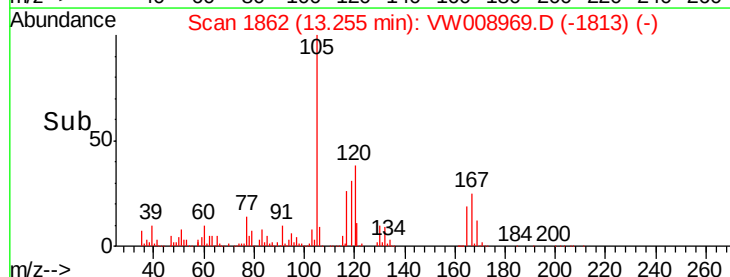


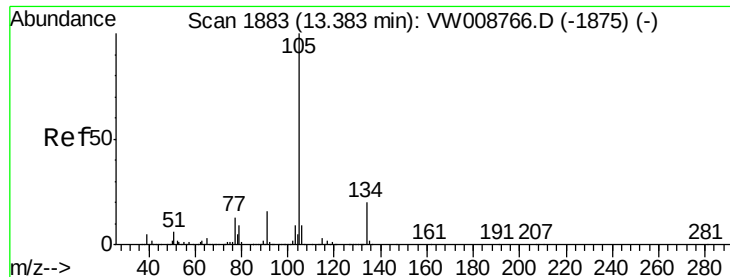
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->

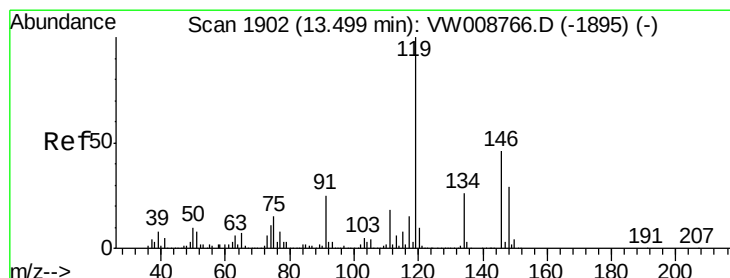
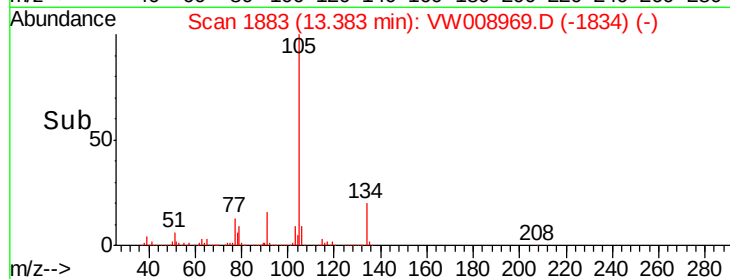
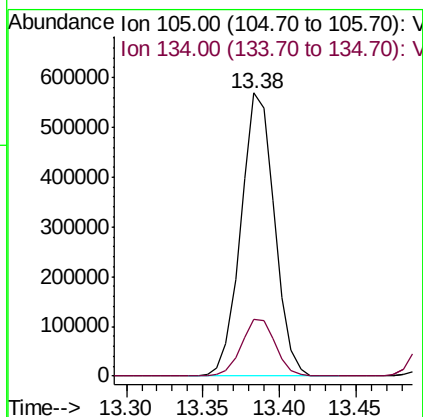
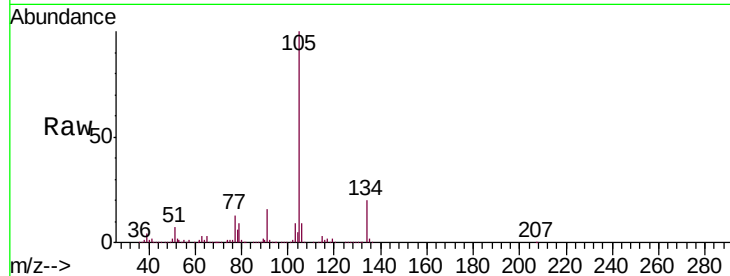




#85
 sec-Butylbenzene
 Concen: 56.844 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

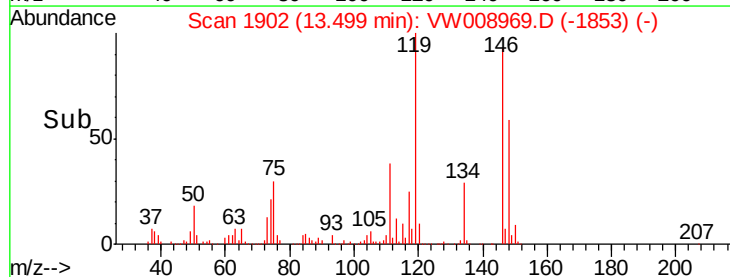
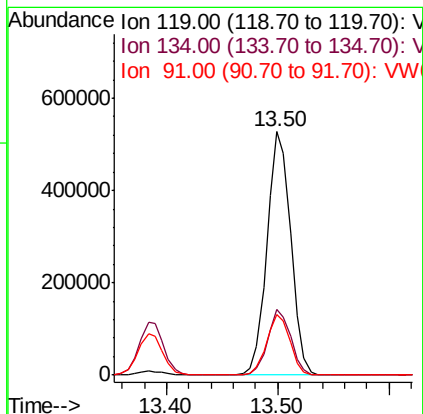
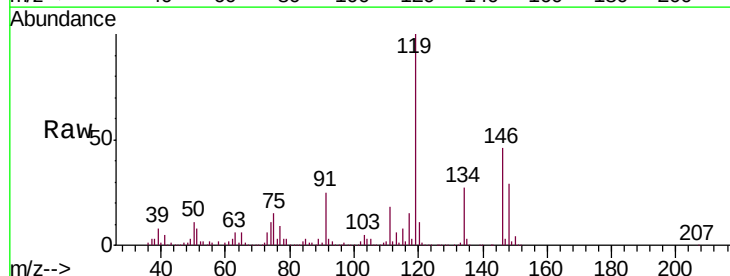
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

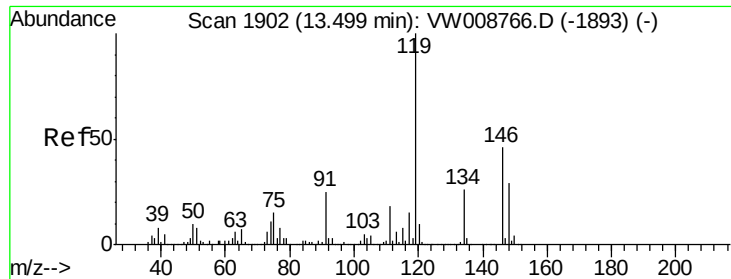
Tgt Ion:105 Resp: 865253
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 56.241 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Tgt Ion:119 Resp: 784796
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.1 39.3
 91 24.4 12.1 36.3

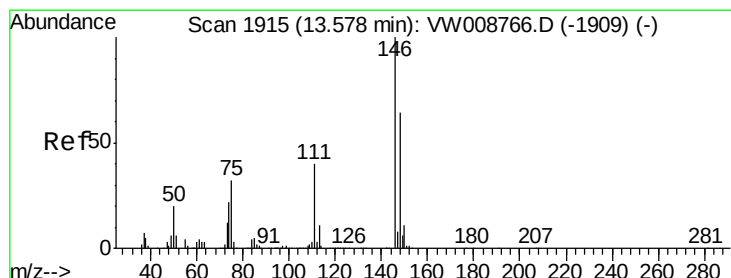
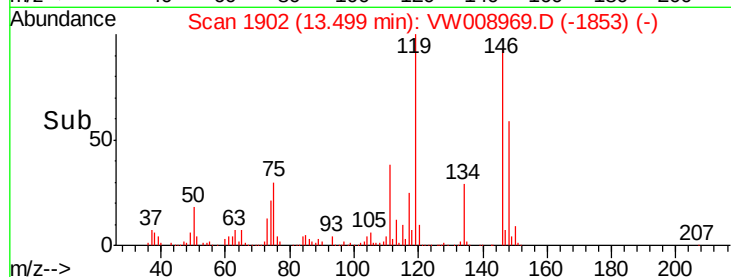
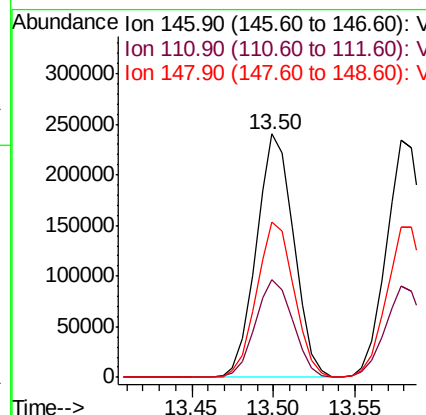
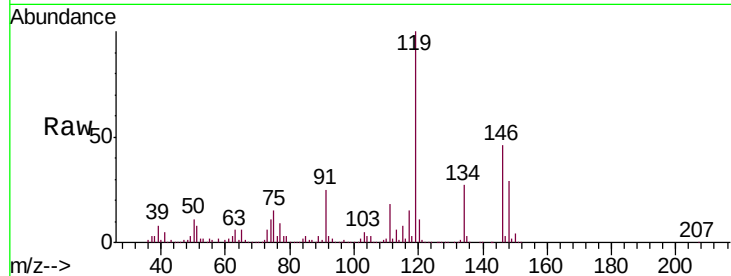




#87
 1,3-Dichlorobenzene
 Concen: 55.579 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

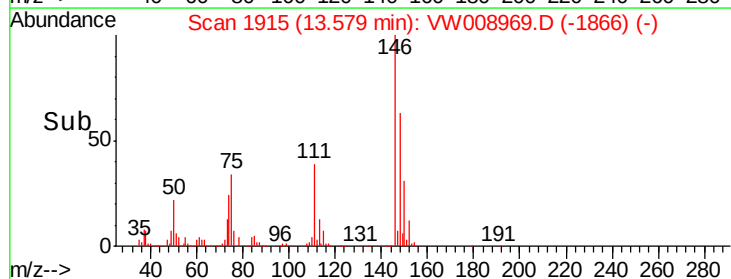
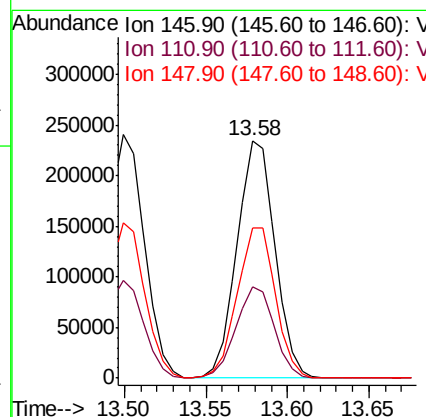
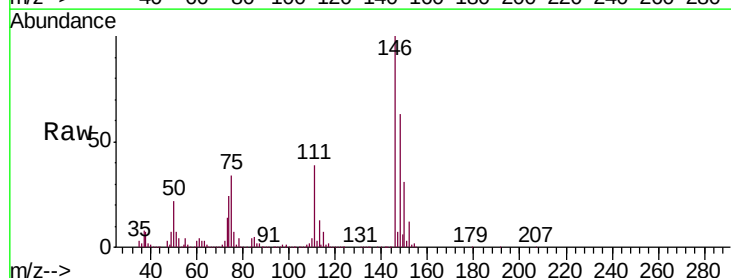
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

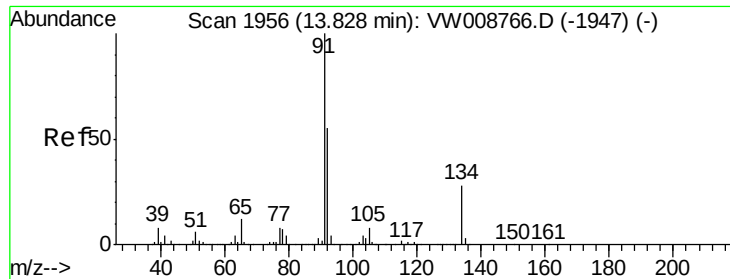
Tgt Ion:146 Resp: 383900
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.9 59.7
 148 63.9 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 55.874 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Tgt Ion:146 Resp: 380375
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.3 57.9
 148 64.0 31.9 95.9





#89

n-Butylbenzene

Concen: 56.527 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008969.D

Acq: 04 Mar 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

BFB

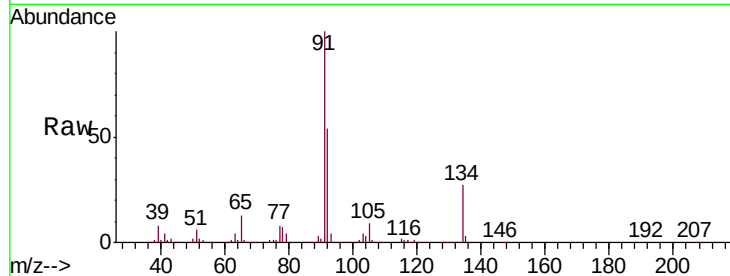
Tgt Ion: 91 Resp: 738975

Ion Ratio Lower Upper

91 100

92 53.2 26.8 80.4

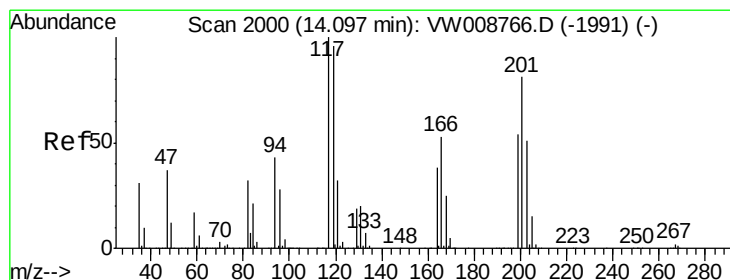
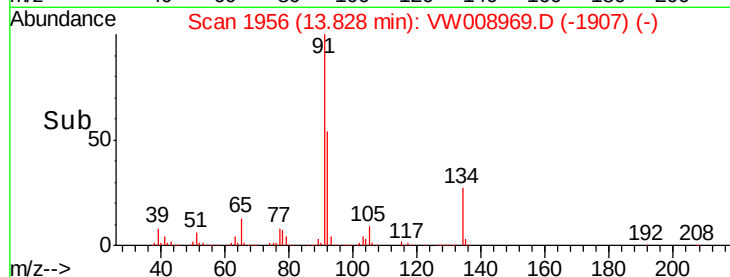
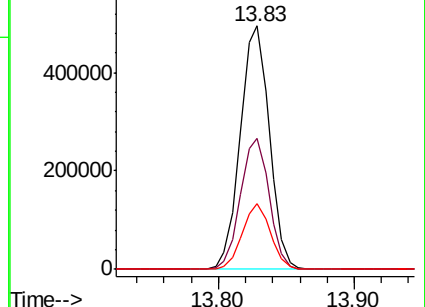
134 26.2 13.5 40.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 58.704 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008969.D

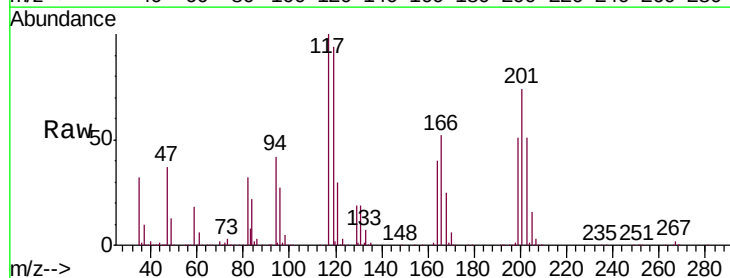
Acq: 04 Mar 2019 18:22

Tgt Ion: 117 Resp: 134101

Ion Ratio Lower Upper

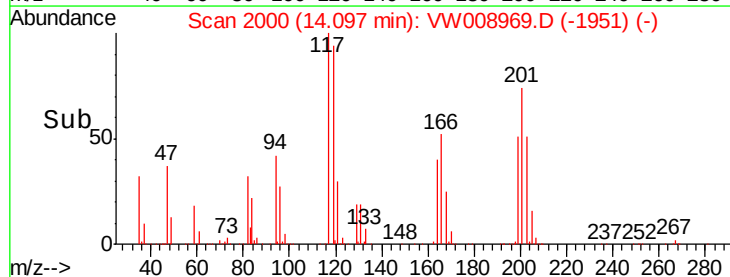
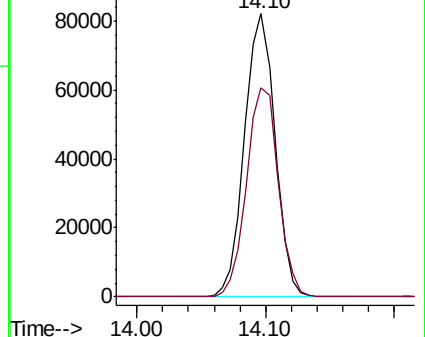
117 100

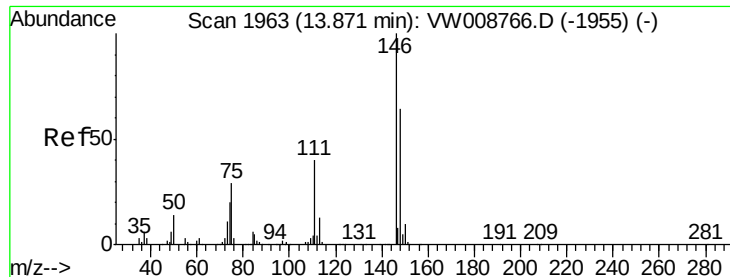
201 76.8 40.3 120.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

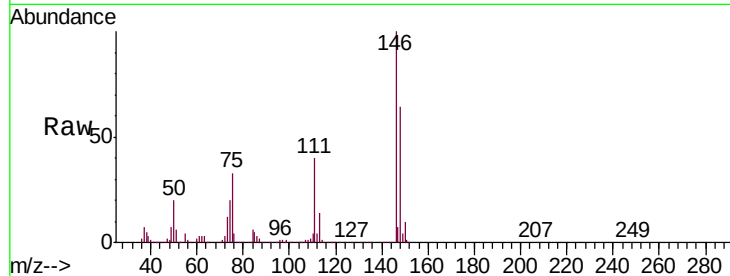




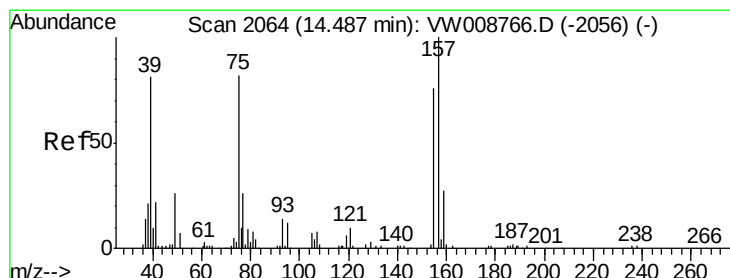
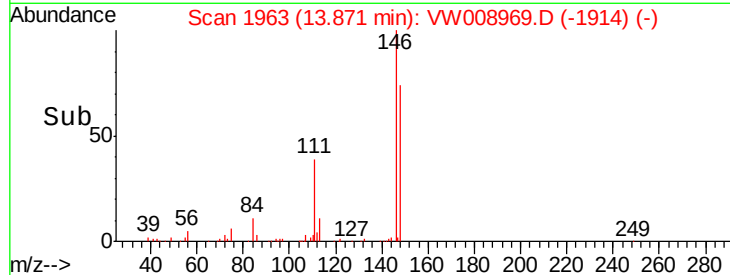
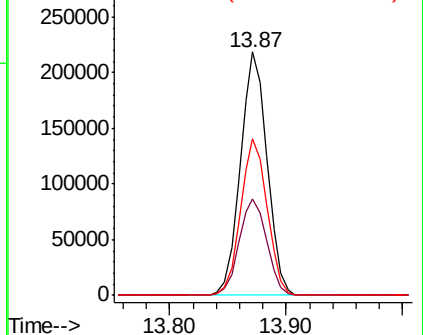
#91
 1,2-Dichlorobenzene
 Concen: 56.656 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	63.8	32.5	97.5

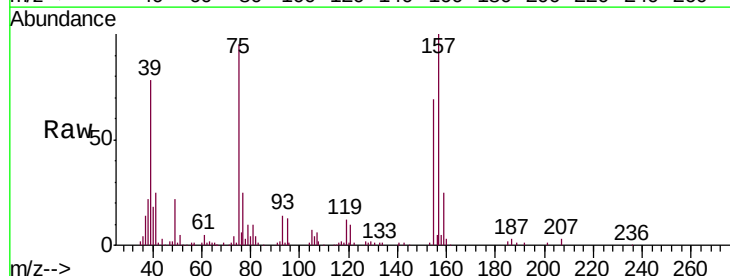


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

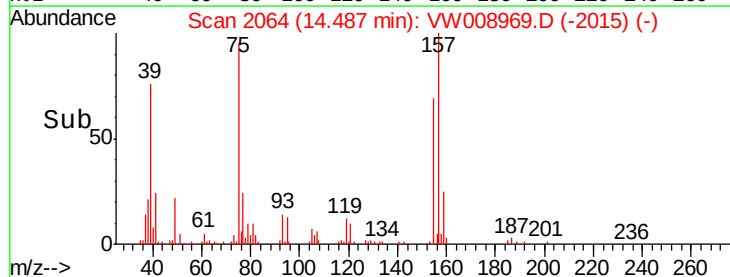
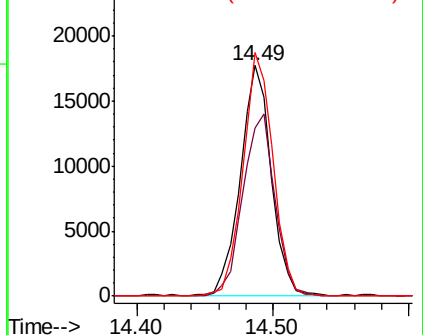


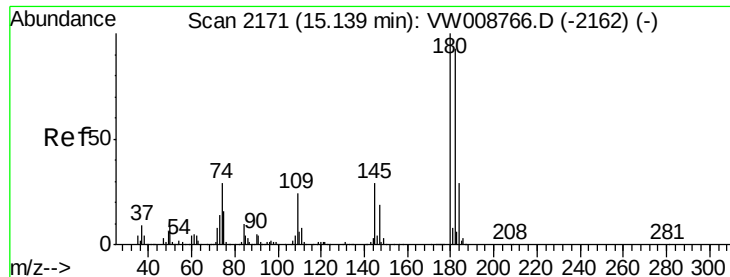
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 67.640 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.9	41.8	125.4
157	102.5	56.6	169.9



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

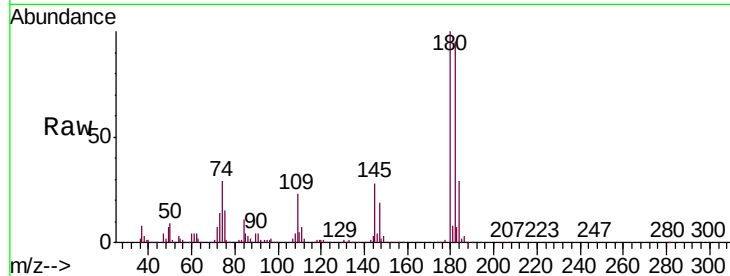




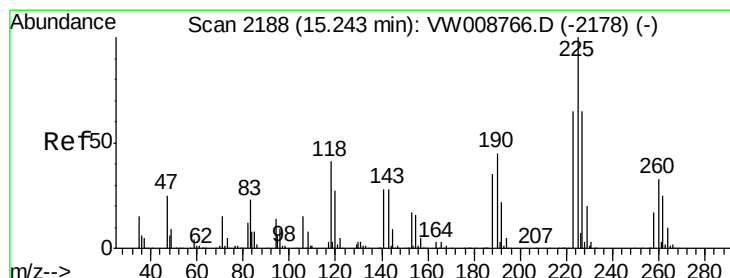
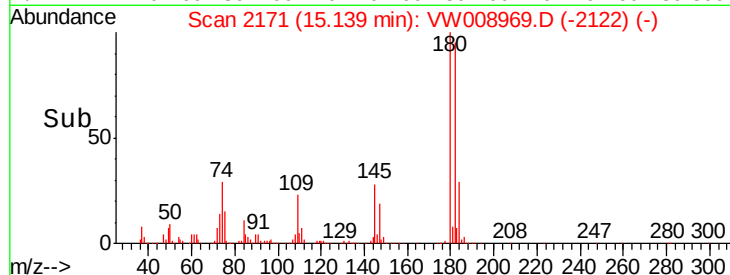
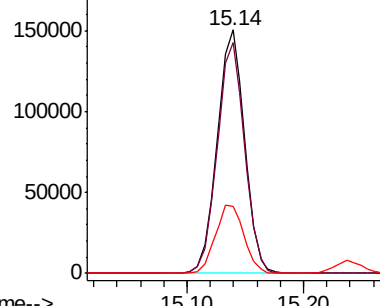
#93
 1,2,4-Trichlorobenzene
 Concen: 55.542 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 246300
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.2 141.6
 145 29.5 14.4 43.0

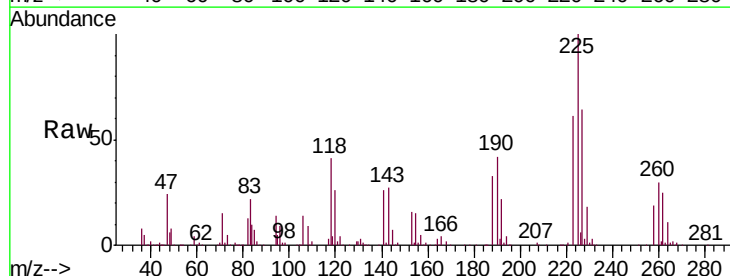


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

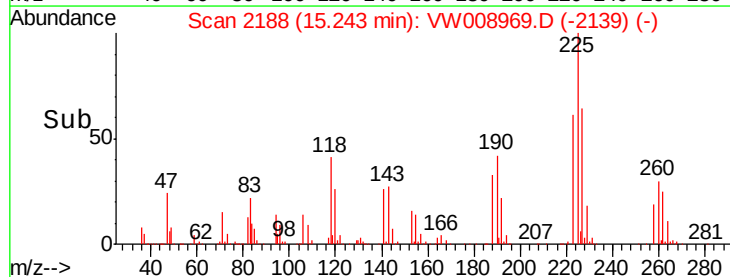
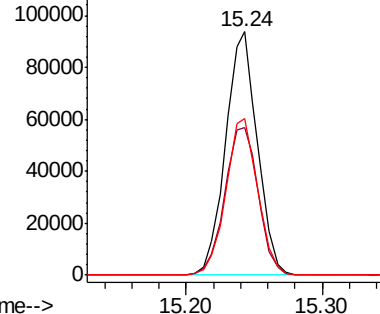


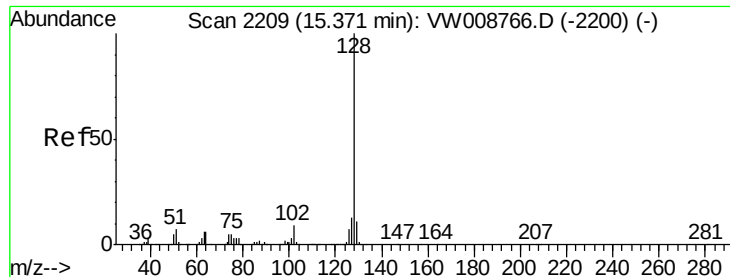
#94
 Hexachlorobutadiene
 Concen: 58.903 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008969.D
 Acq: 04 Mar 2019 18:22

Tgt Ion:225 Resp: 153856
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.5 94.5
 227 64.2 31.6 94.8



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

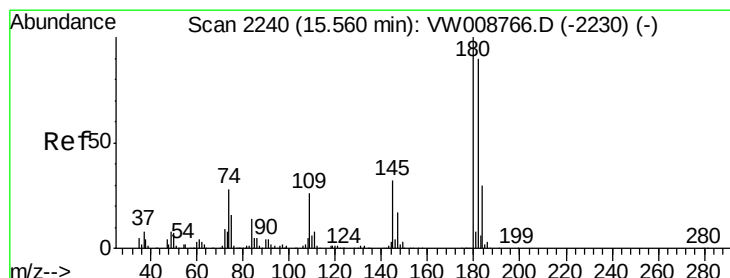
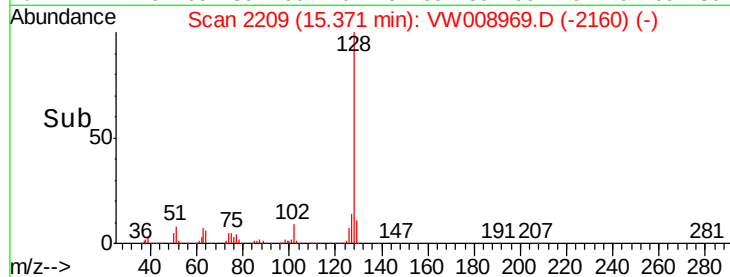
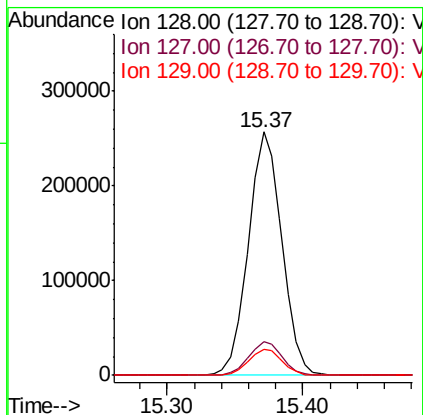
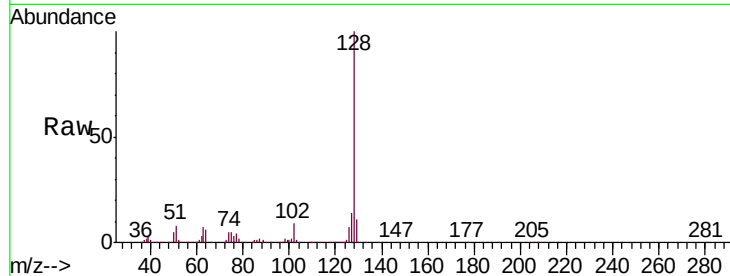




#95
Naphthalene
Concen: 58.655 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
BFB

Tgt Ion:128 Resp: 442853
Ion Ratio Lower Upper
128 100
127 13.9 10.8 16.2
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 56.475 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008969.D
Acq: 04 Mar 2019 18:22

Tgt Ion:180 Resp: 216533
Ion Ratio Lower Upper
180 100
182 96.2 46.9 140.8
145 31.9 15.9 47.6

