

Data File : VV006114.D

Acq On : 31 May 2018 18:41

Operator : SY/MD

Sample : VSTD0.561

Misc : 25 mL/MSVOA_V/WATER

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB

Quant Time: Jun 01 07:52:25 2018

Quant Method : W:\HPCHEM1\MSVOA_V\METHOD\SOMVTR053118WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Jun 01 07:29:00 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	334602	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	292774	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	133062	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	8882	0.35	ug/L	0.00
7) Chloroethane-d5	1.59	69	6812	0.37	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	16411	0.32	ug/L	0.00
20) 2-Butanone-d5	3.96	46	16343	3.10	ug/L	0.00
24) Chloroform-d	4.41	84	16647	0.38	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	8190	0.39	ug/L	0.00
32) Benzene-d6	5.10	84	33395	0.41	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	10202	0.40	ug/L	0.00
41) Toluene-d8	7.36	98	33600	0.44	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	4734	0.51	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	17699	4.21	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	6855	0.39	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	11198	0.44	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	9346	0.25	ug/L	98
3) Chloromethane	1.26	50	9835	0.25	ug/L	97
5) Vinyl chloride	1.32	62	10821	0.25	ug/L	96
6) Bromomethane	1.54	94	6318	0.28	ug/L	97
8) Chloroethane	1.60	64	7051	0.30	ug/L	100
9) Trichlorofluoromethane	1.77	101	15875	0.29	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	9827	0.31	ug/L	99
12) 1,1-Dichloroethene	2.14	96	9311	0.30	ug/L	92
13) Acetone	2.21	43	8218	1.67	ug/L	97
14) Carbon disulfide	2.32	76	30814	0.31	ug/L	98
15) Methyl Acetate	2.47	43	2777	0.21	ug/L	94
16) Methylene chloride	2.54	84	12763	0.37	ug/L	97
17) Methyl tert-butyl Ether	2.81	73	21844	0.29	ug/L #	93
18) trans-1,2-Dichloroethene	2.79	96	9487	0.28	ug/L	93
19) 1,1-Dichloroethane	3.23	63	16499	0.26	ug/L	95
21) 2-Butanone	4.04	43	15463	1.98	ug/L	90
22) cis-1,2-Dichloroethene	3.97	96	10650	0.30	ug/L #	93
23) Bromochloromethane	4.30	128	4066	0.28	ug/L	94
25) Chloroform	4.43	83	16833	0.28	ug/L	98
27) 1,2-Dichloroethane	5.19	62	9613	0.27	ug/L #	90
29) 1,1,1-Trichloroethane	4.66	97	15080	0.32	ug/L	99
30) Cyclohexane	4.73	56	15539	0.32	ug/L	94
31) Carbon tetrachloride	4.88	117	13408	0.32	ug/L	98
33) Benzene	5.15	78	37912	0.30	ug/L	100
34) Trichloroethene	5.96	95	10548	0.31	ug/L	97
35) Methylcyclohexane	6.18	83	17739	0.35	ug/L	100
37) 1,2-Dichloropropane	6.22	63	9152	0.28	ug/L	97
38) Bromodichloromethane	6.56	83	11614	0.31	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	14703	0.34	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	47315	2.71	ug/L	99

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Operator : SY/MD
Sample : VSTD0.561
Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB

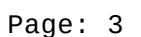
Quant Time: Jun 01 07:52:25 2018
Quant Method : W:\HPCHEM1\MSVOA_V\METHOD\SOMVTR053118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 01 07:29:00 2018
Response via : Initial Calibration

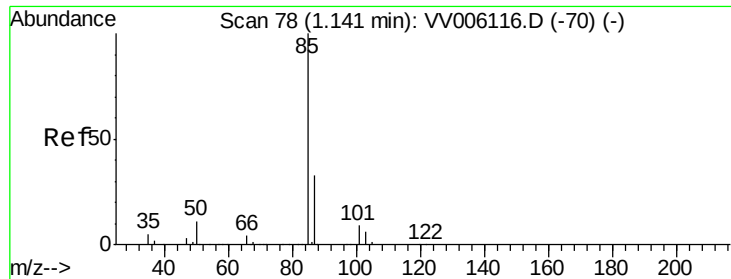
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	41617	0.32	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	11972	0.34	ug/L	96
45) 1,1,2-Trichloroethane	7.89	97	6588	0.31	ug/L	97
47) Tetrachloroethene	8.02	164	7962	0.29	ug/L	97
48) 2-Hexanone	8.20	43	31056	2.50	ug/L	98
49) Dibromochloromethane	8.30	129	8120	0.33	ug/L	97
50) 1,2-Dibromoethane	8.40	107	5941	0.31	ug/L	98
51) Chlorobenzene	8.93	112	26442	0.31	ug/L	96
52) Ethylbenzene	9.06	91	45259	0.33	ug/L	99
53) m,p-xylene	9.19	106	17657	0.34	ug/L	94
54) o-xylene	9.59	106	16977	0.33	ug/L	100
55) Styrene	9.61	104	27446	0.32	ug/L	98
56) Isopropylbenzene	9.98	105	45173	0.34	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.30	83	7577	0.31	ug/L	97
59) 1,2,3-Trichloropropane	10.33	75	5144	0.29	ug/L #	88
61) Bromoform	9.78	173	4124	0.32	ug/L #	97
62) 1,3-Dichlorobenzene	11.23	146	19311	0.32	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	19836	0.33	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	18063	0.31	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	1113	0.33	ug/L #	82
67) 1,3,5-Trichlorobenzene	12.70	180	14266	0.30	ug/L	96
68) 1,2,4-trichlorobenzene	13.32	180	9985	0.27	ug/L	98
69) Naphthalene	13.56	128	14722	0.27	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	9436	0.28	ug/L	99

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.25 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006114.D

Acq: 31 May 2018 18:41

Instrument :

MSVOA_V

ClientSampled :

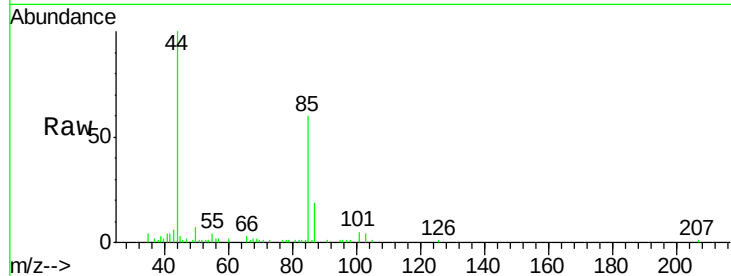
BFB

Tgt Ion: 85 Resp: 9346

Ion Ratio Lower Upper

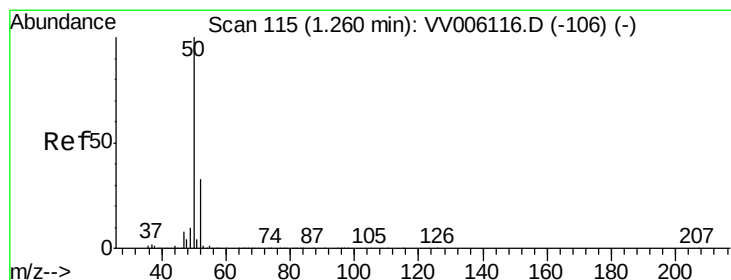
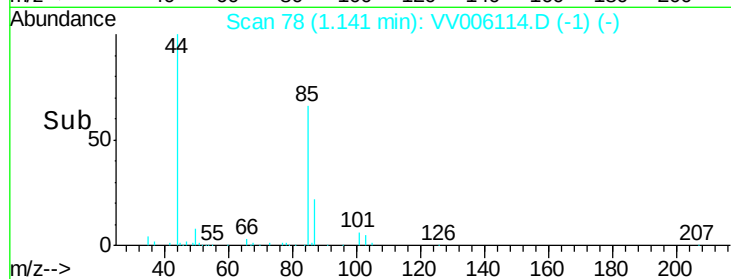
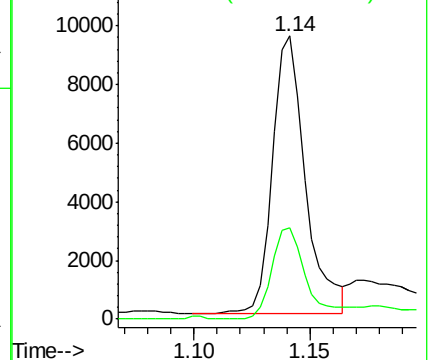
85 100

87 34.1 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.25 ug/L

RT: 1.26 min Scan# 115

Delta R.T. 0.00 min

Lab File: VV006114.D

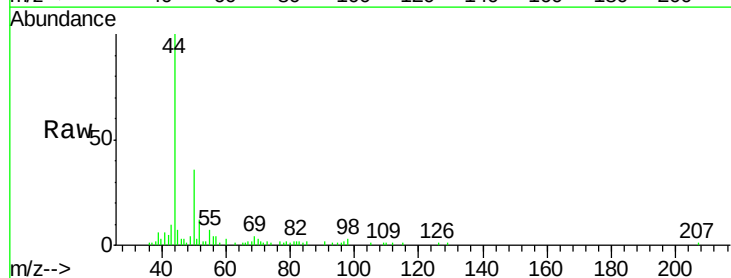
Acq: 31 May 2018 18:41

Tgt Ion: 50 Resp: 9835

Ion Ratio Lower Upper

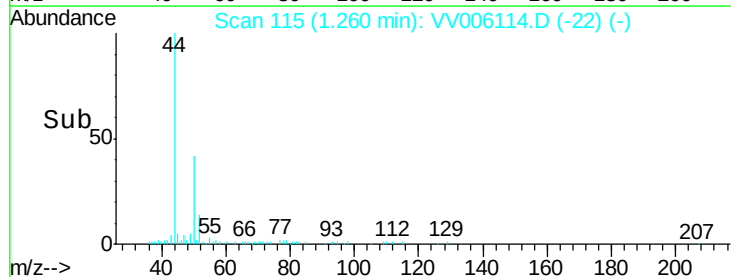
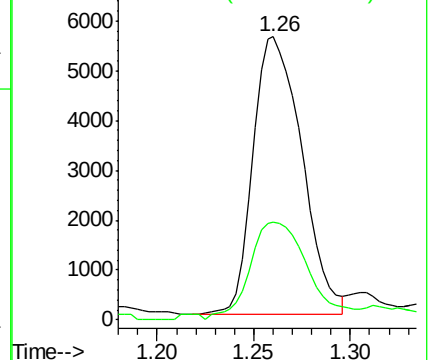
50 100

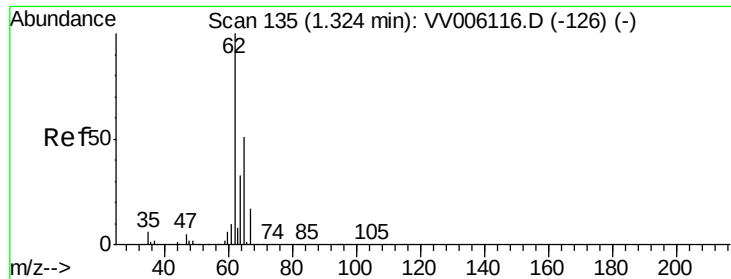
52 34.5 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.25 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006114.D

Acq: 31 May 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

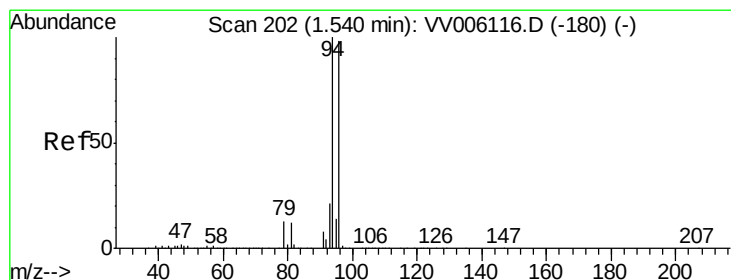
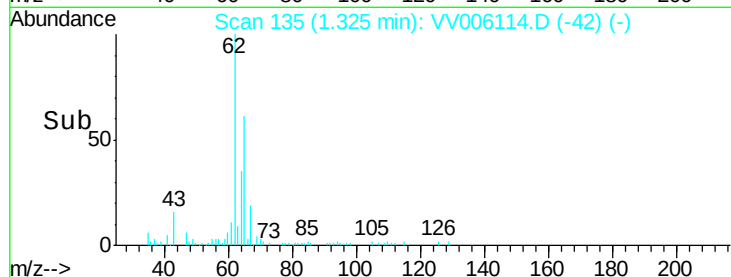
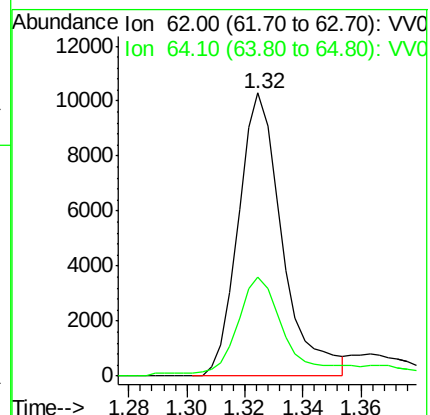
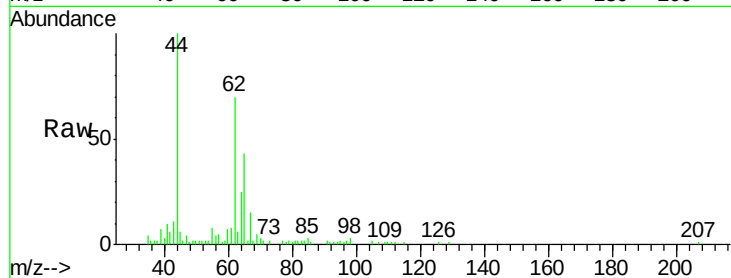
BFB

Tgt Ion: 62 Resp: 10821

Ion Ratio Lower Upper

62 100

64 35.1 23.1 42.9



#6

Bromomethane

Concen: 0.28 ug/L

RT: 1.54 min Scan# 202

Delta R.T. 0.00 min

Lab File: VV006114.D

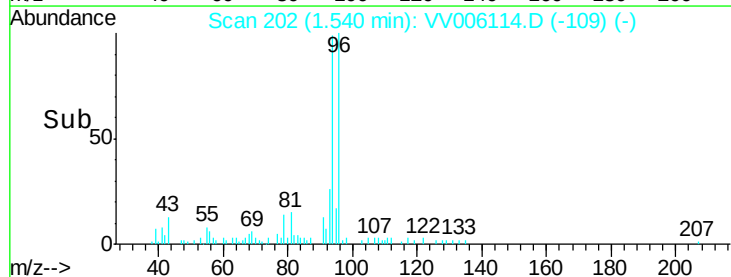
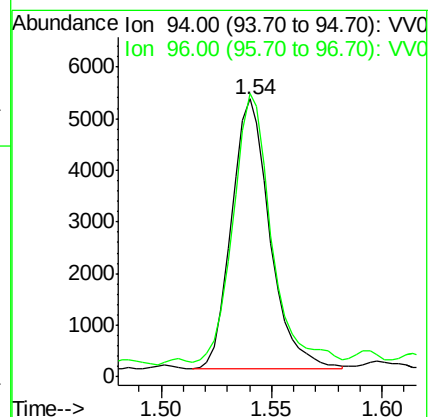
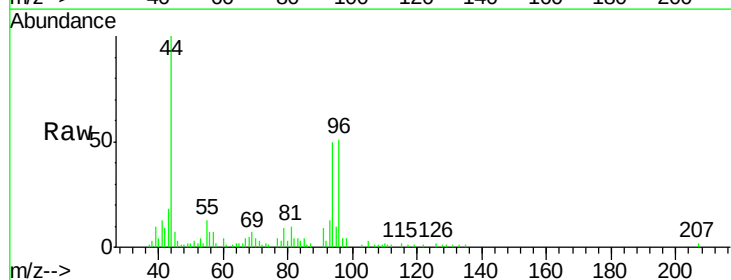
Acq: 31 May 2018 18:41

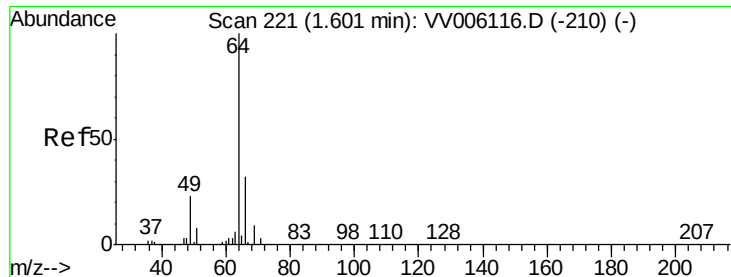
Tgt Ion: 94 Resp: 6318

Ion Ratio Lower Upper

94 100

96 101.7 68.9 127.9





#8

Chloroethane

Concen: 0.30 ug/L

RT: 1.60 min Scan# 222

Delta R.T. 0.00 min

Lab File: VV006114.D

Acq: 31 May 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

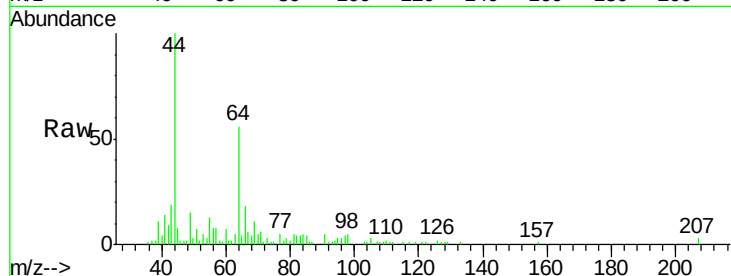
BFB

Tgt Ion: 64 Resp: 7051

Ion Ratio Lower Upper

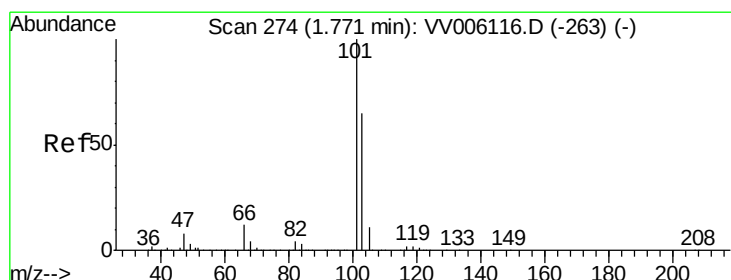
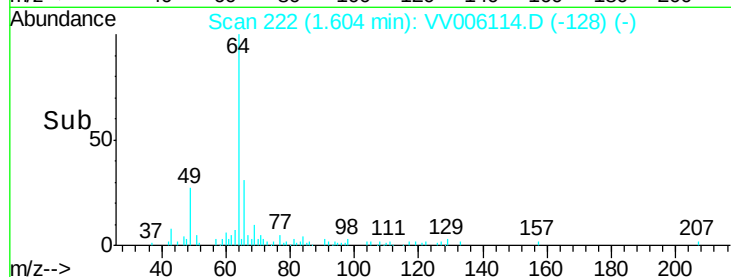
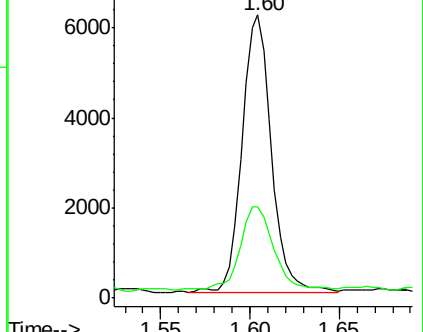
64 100

66 32.3 22.5 41.7



Abundance Ion 64.10 (63.80 to 64.80): VV006116.D (-210) (-)

Ion 66.05 (65.75 to 66.75): VV006116.D (-210) (-)



#9

Trichlorofluoromethane

Concen: 0.29 ug/L

RT: 1.77 min Scan# 275

Delta R.T. 0.00 min

Lab File: VV006114.D

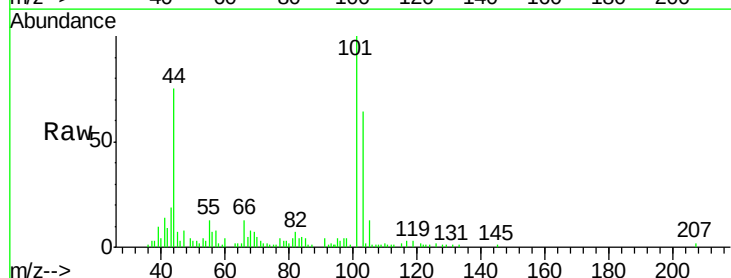
Acq: 31 May 2018 18:41

Tgt Ion: 101 Resp: 15875

Ion Ratio Lower Upper

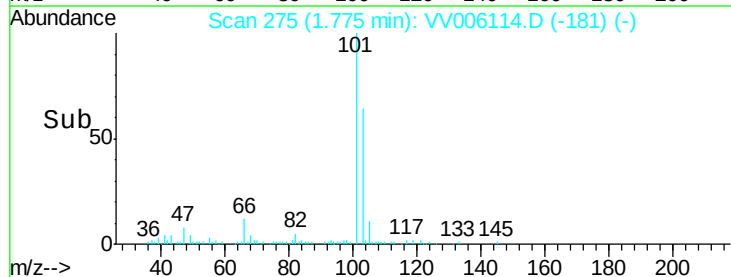
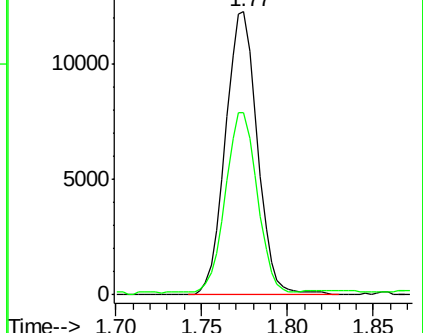
101 100

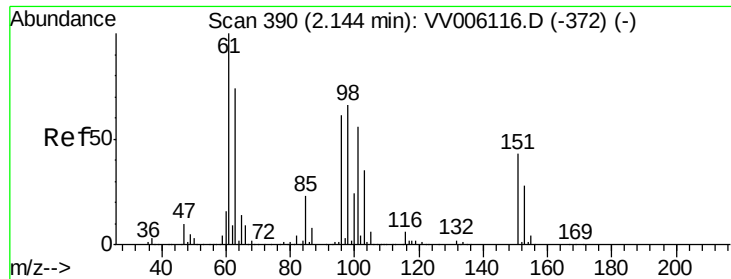
103 62.4 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): VV006116.D (-263) (-)

Ion 103.00 (102.70 to 103.70): VV006116.D (-263) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.31 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006114.D

Acq: 31 May 2018 18:41

Instrument :

MSVOA_V

ClientSampled :

BFB

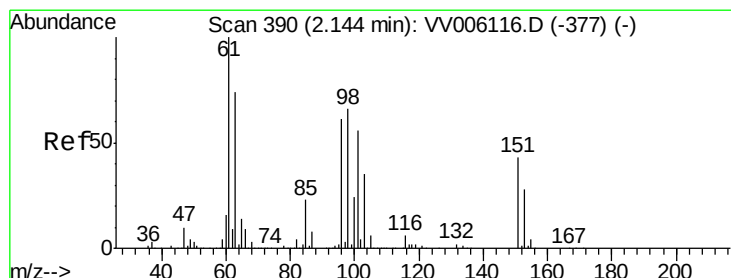
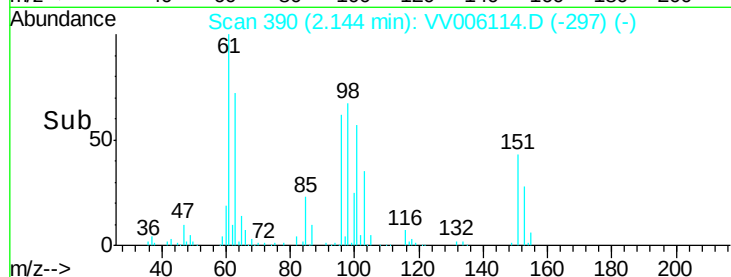
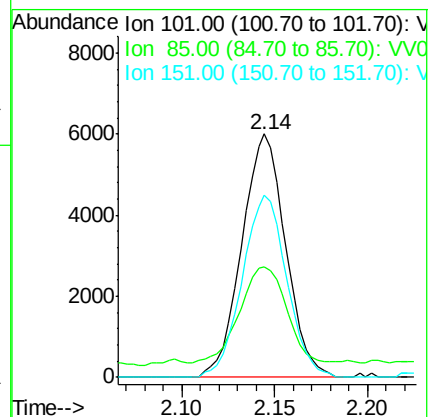
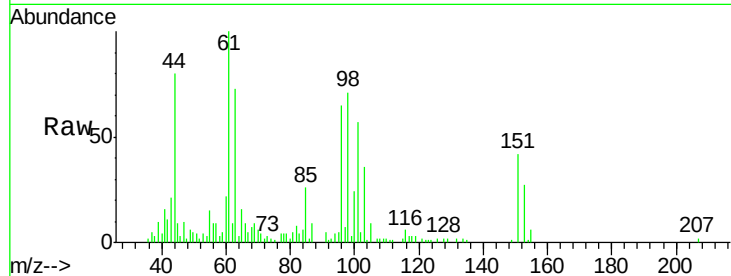
Tgt Ion: 101 Resp: 9827

Ion Ratio Lower Upper

101 100

85 42.4 32.6 49.0

151 76.0 60.9 91.3



#12

1,1-Dichloroethene

Concen: 0.30 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006114.D

Acq: 31 May 2018 18:41

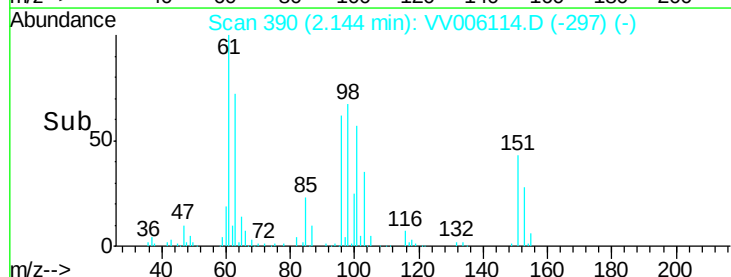
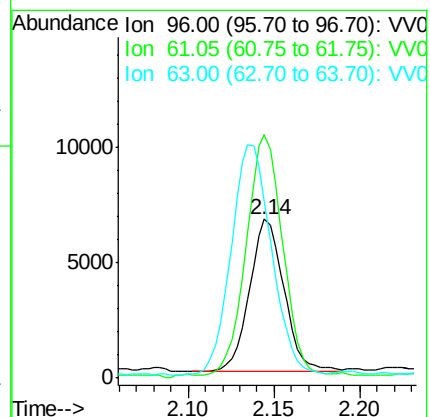
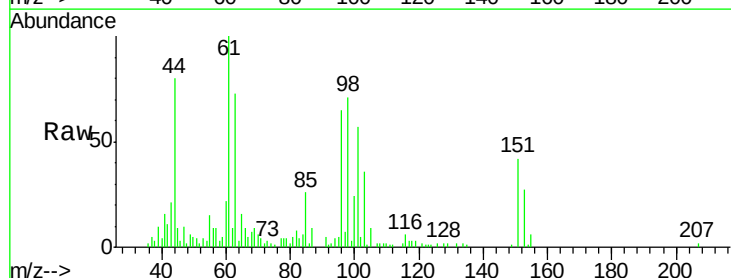
Tgt Ion: 96 Resp: 9311

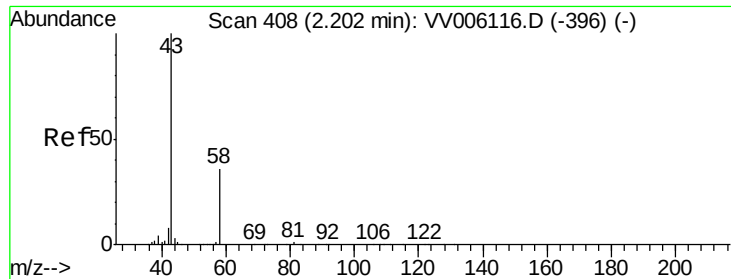
Ion Ratio Lower Upper

96 100

61 153.3 114.2 212.2

63 111.8 85.0 157.8





#13

Acetone

Concen: 1.67 ug/L

RT: 2.21 min Scan# 410

Delta R.T. 0.01 min

Lab File: VV006114.D

Acq: 31 May 2018 18:41

Instrument :

MSVOA_V

ClientSampled :

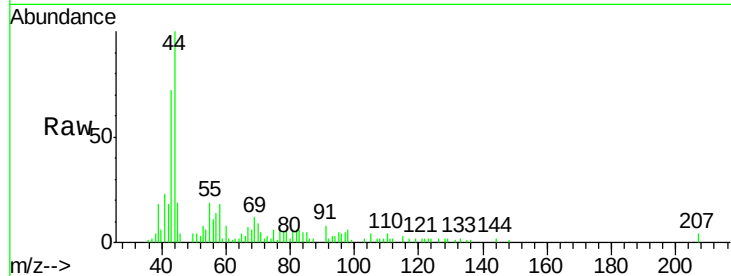
BFB

Tgt Ion: 43 Resp: 8218

Ion Ratio Lower Upper

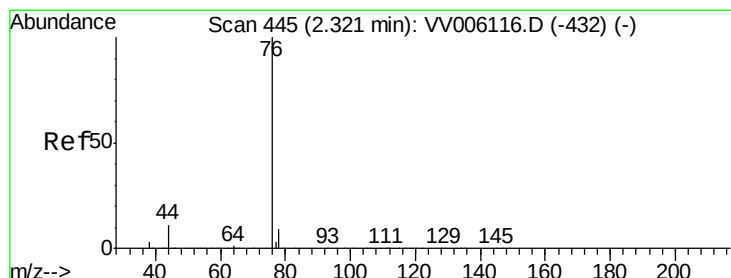
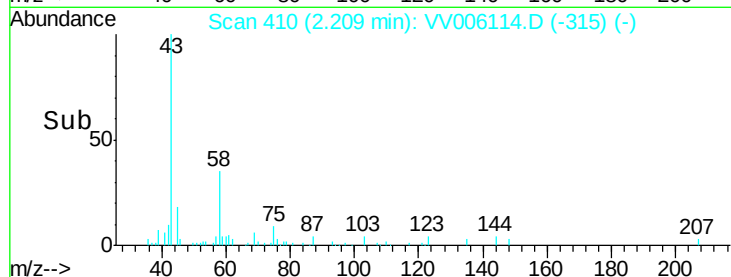
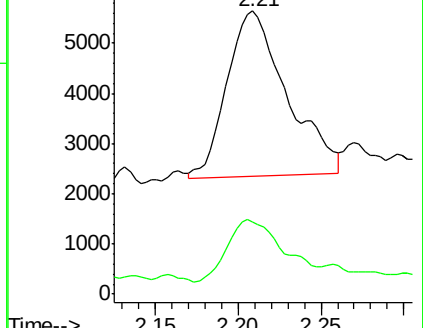
43 100

58 35.5 0.0 67.4



Abundance Ion 43.05 (42.75 to 43.75): VV006116.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VV006116.D (-396) (-)



#14

Carbon disulfide

Concen: 0.31 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006114.D

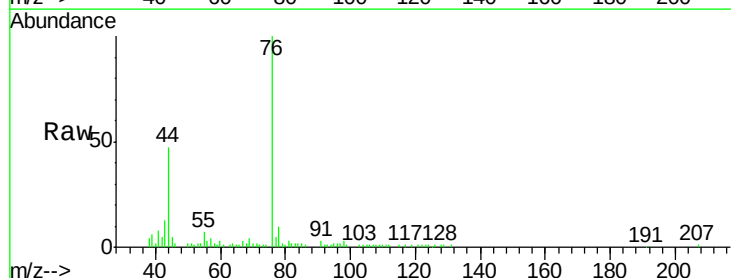
Acq: 31 May 2018 18:41

Tgt Ion: 76 Resp: 30814

Ion Ratio Lower Upper

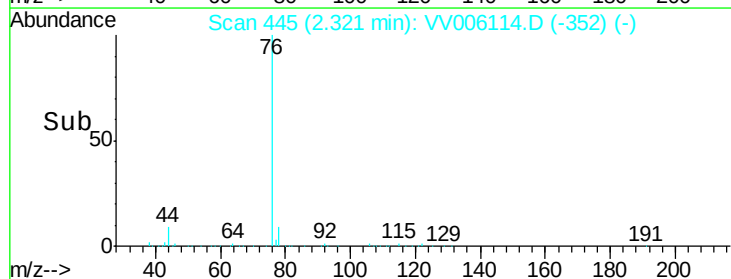
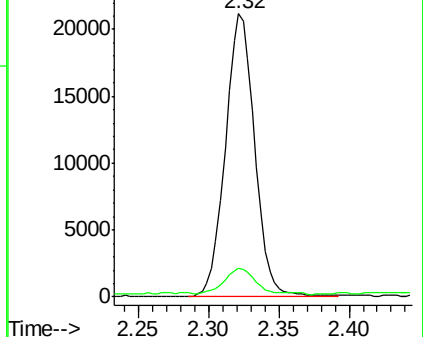
76 100

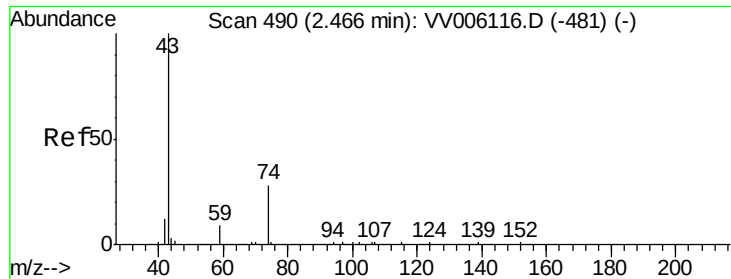
78 10.1 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV006116.D (-432) (-)

Ion 78.00 (77.70 to 78.70): VV006116.D (-432) (-)

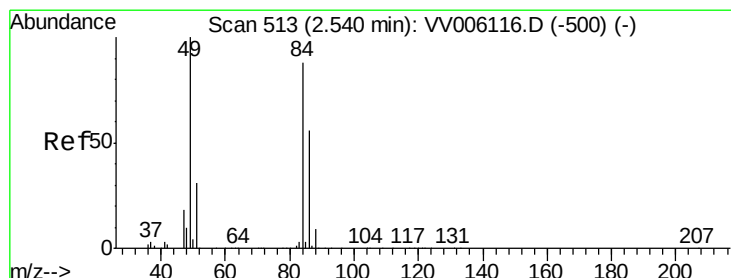
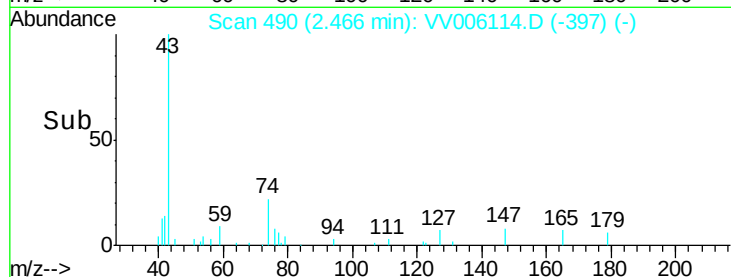
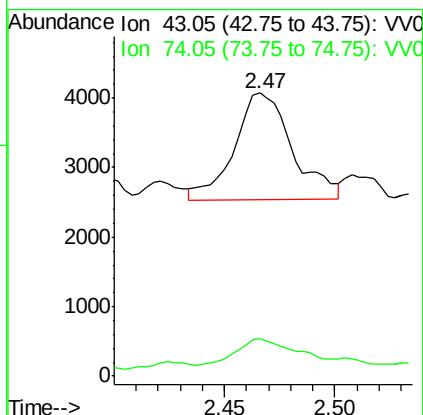
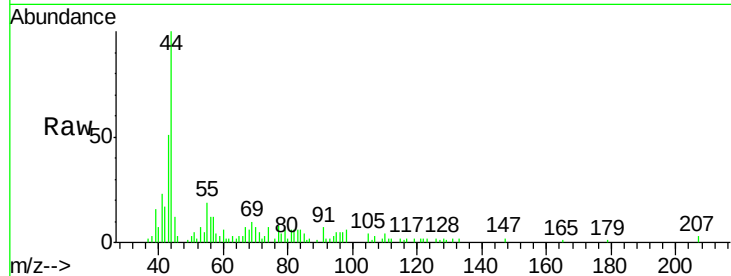




#15
Methyl Acetate
Concen: 0.21 ug/L
RT: 2.47 min Scan# 490
Delta R.T. 0.00 min
Lab File: VV006114.D
Acq: 31 May 2018 18:41

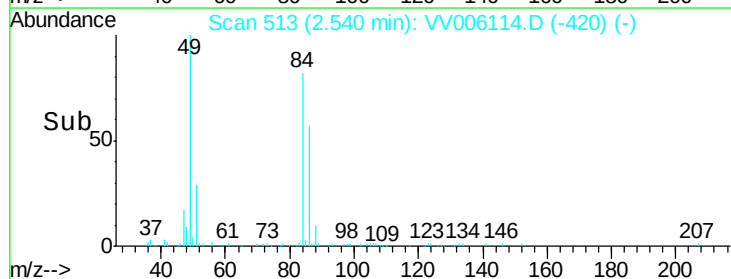
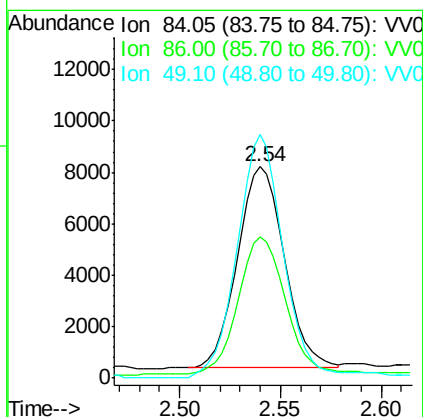
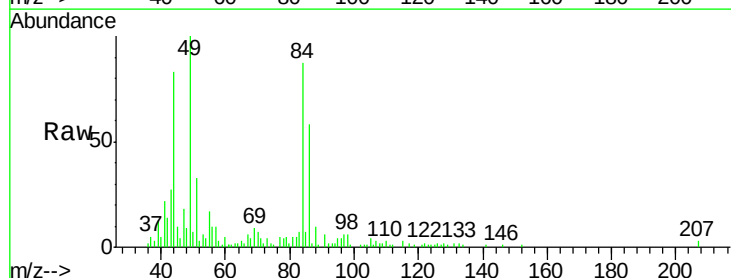
Instrument :
MSVOA_V
ClientSampleId :
BFB

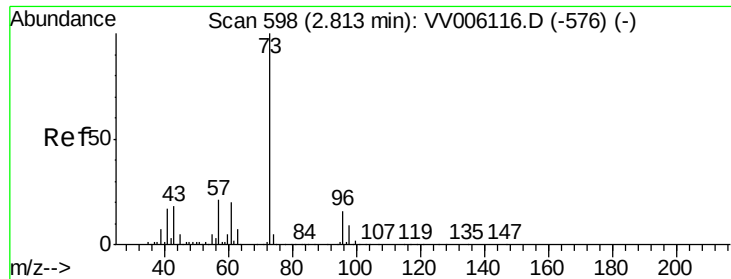
Tgt Ion: 43 Resp: 2777
Ion Ratio Lower Upper
43 100
74 26.1 23.4 35.0



#16
Methylene chloride
Concen: 0.37 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006114.D
Acq: 31 May 2018 18:41

Tgt Ion: 84 Resp: 12763
Ion Ratio Lower Upper
84 100
86 67.1 44.2 82.0
49 115.3 78.8 146.4

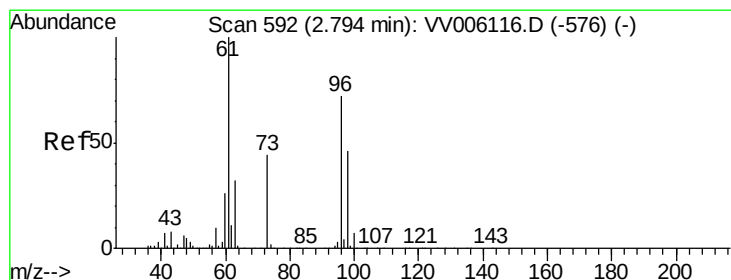
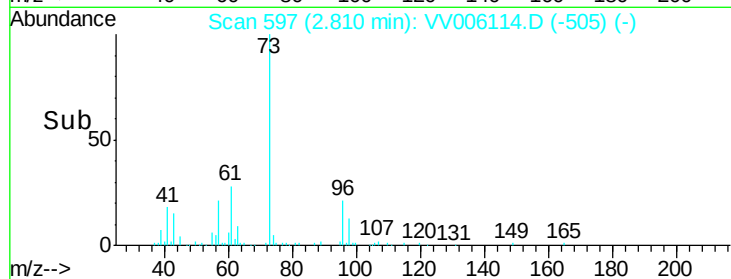
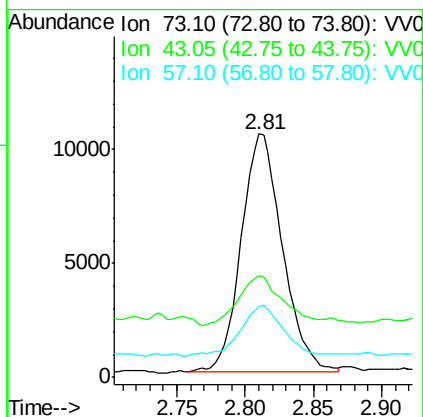
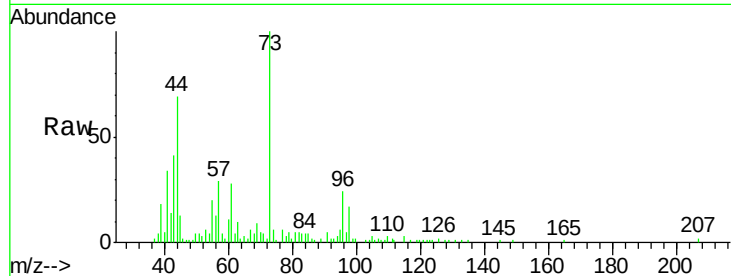




#17
Methyl tert-butyl Ether
Concen: 0.29 ug/L
RT: 2.81 min Scan# 597
Delta R.T. -0.00 min
Lab File: VV006114.D
Acq: 31 May 2018 18:41

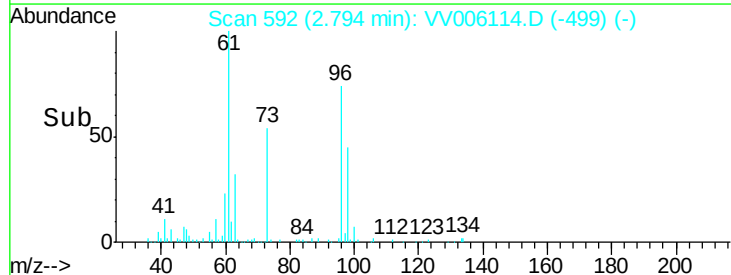
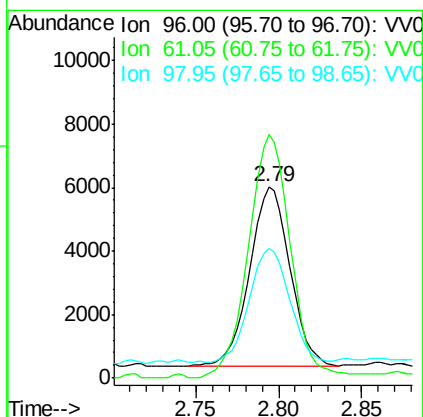
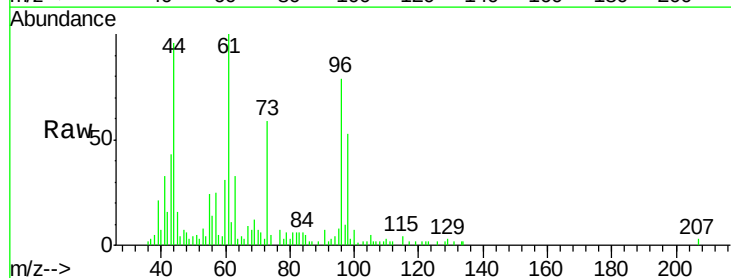
Instrument :
MSVOA_V
ClientSampled :
BFB

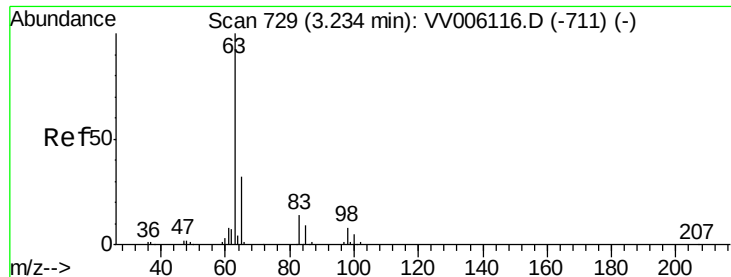
Tgt Ion: 73 Resp: 21844
Ion Ratio Lower Upper
73 100
43 22.7 14.2 21.4#
57 22.4 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 0.28 ug/L
RT: 2.79 min Scan# 592
Delta R.T. 0.00 min
Lab File: VV006114.D
Acq: 31 May 2018 18:41

Tgt Ion: 96 Resp: 9487
Ion Ratio Lower Upper
96 100
61 127.0 96.3 178.9
98 67.6 45.4 84.2

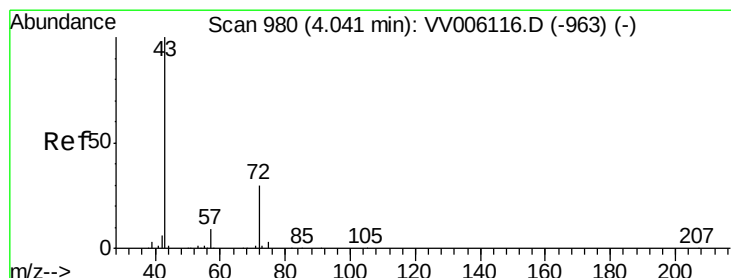
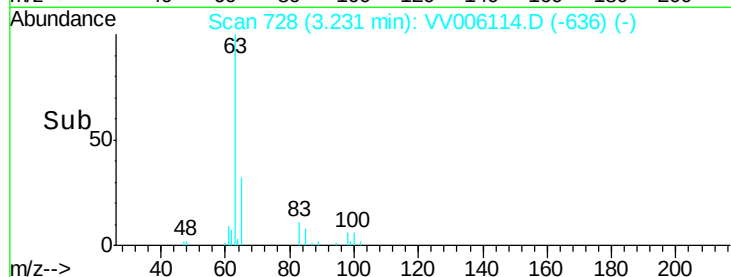
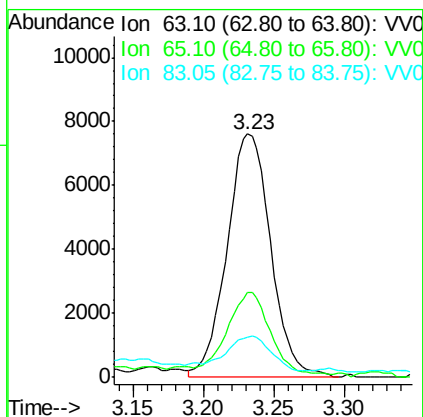
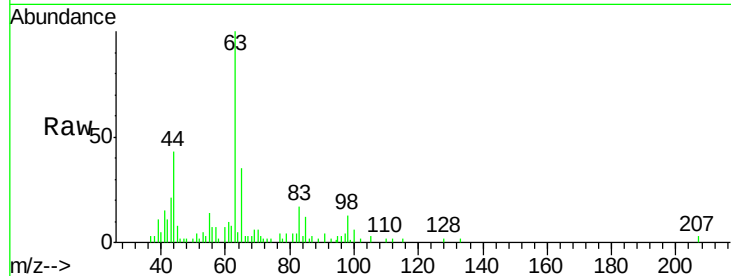




#19
 1,1-Dichloroethane
 Concen: 0.26 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VV006114.D
 Acq: 31 May 2018 18:41

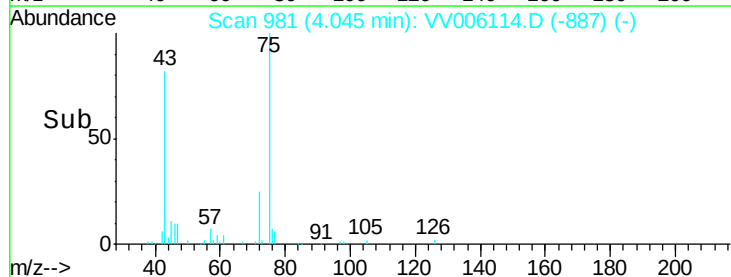
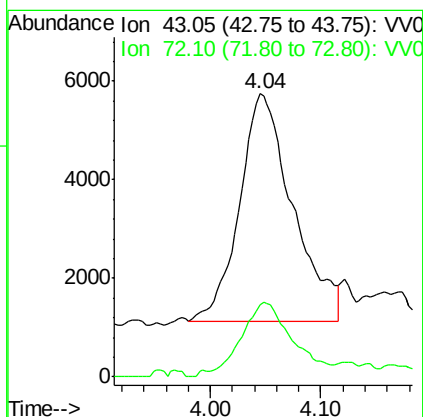
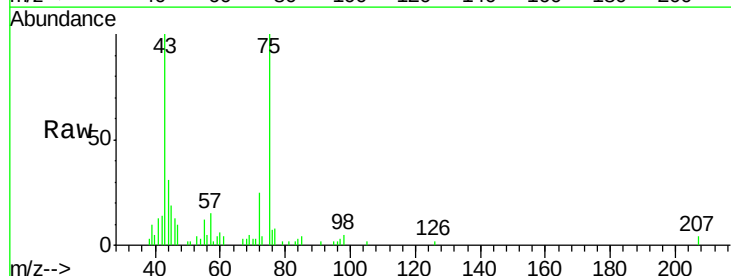
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB

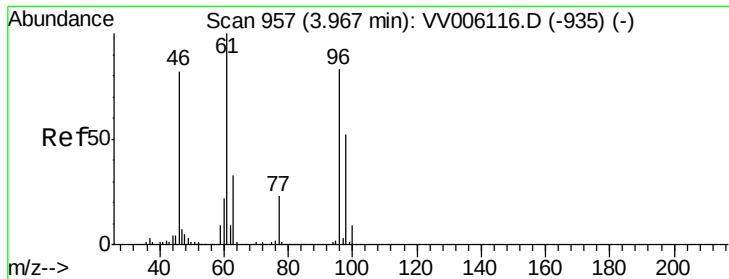
Tgt Ion: 63 Resp: 16499
 Ion Ratio Lower Upper
 63 100
 65 34.8 22.3 41.3
 83 16.5 10.0 18.6



#21
 2-Butanone
 Concen: 1.98 ug/L
 RT: 4.04 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VV006114.D
 Acq: 31 May 2018 18:41

Tgt Ion: 43 Resp: 15463
 Ion Ratio Lower Upper
 43 100
 72 32.5 13.8 41.3



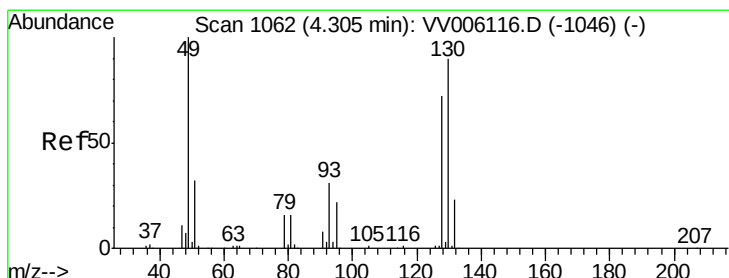
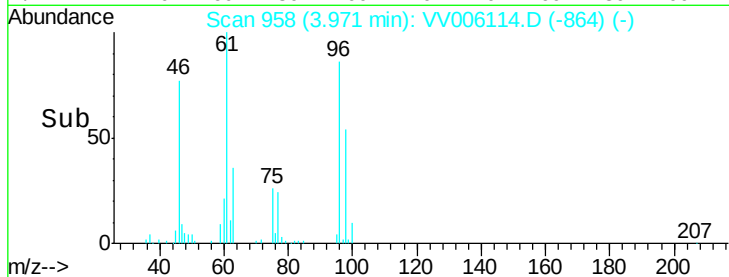
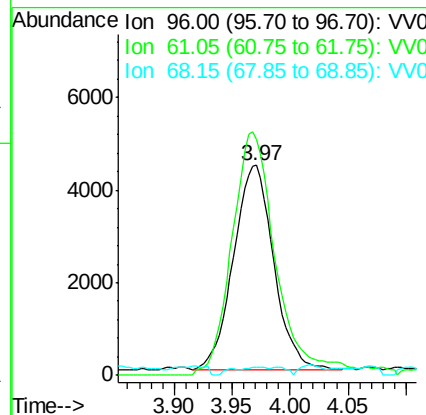
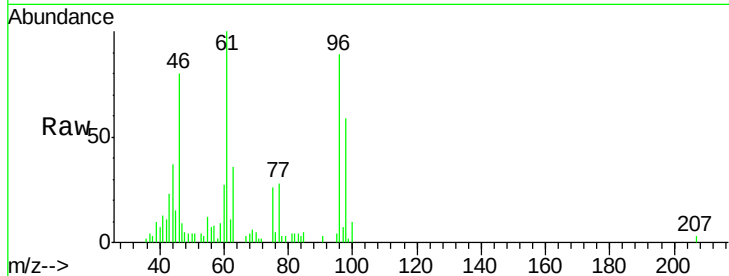


#22

cis-1,2-Dichloroethene
Concen: 0.30 ug/L
RT: 3.97 min Scan# 958
Delta R.T. 0.00 min
Lab File: VV006114.D
Acq: 31 May 2018 18:41

Instrument :
MSVOA_V
ClientSampleId :
BFB

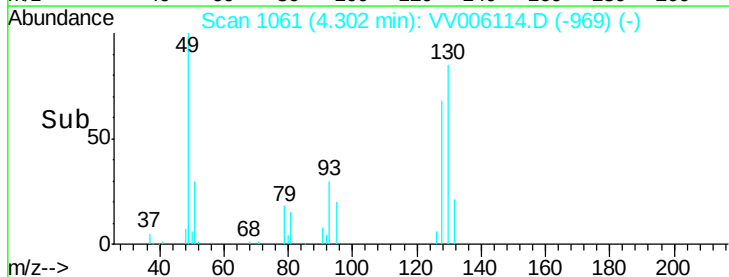
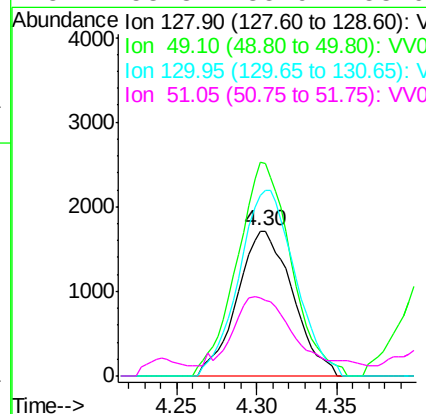
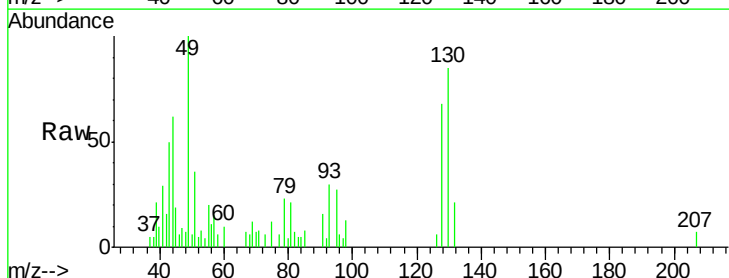
Tgt Ion: 96 Resp: 10650
Ion Ratio Lower Upper
96 100
61 111.9 84.1 156.3
68 4.0 0.3 0.5#

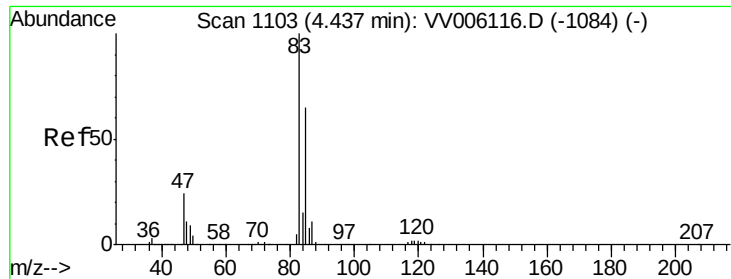


#23

Bromochloromethane
Concen: 0.28 ug/L
RT: 4.30 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VV006114.D
Acq: 31 May 2018 18:41

Tgt Ion: 128 Resp: 4066
Ion Ratio Lower Upper
128 100
49 147.5 97.1 180.3
130 124.8 86.6 160.8
51 53.8 35.9 53.9

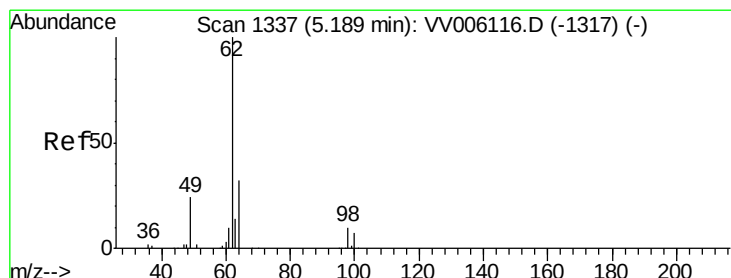
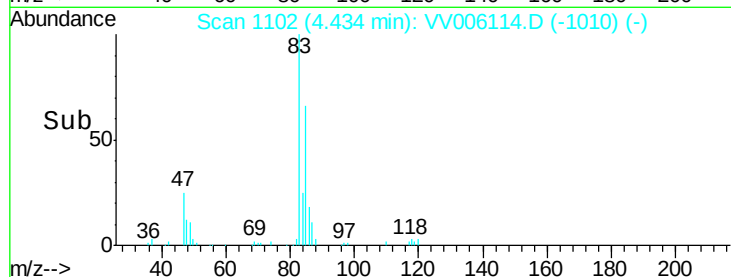
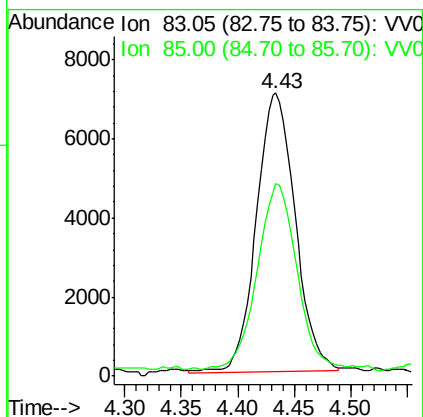
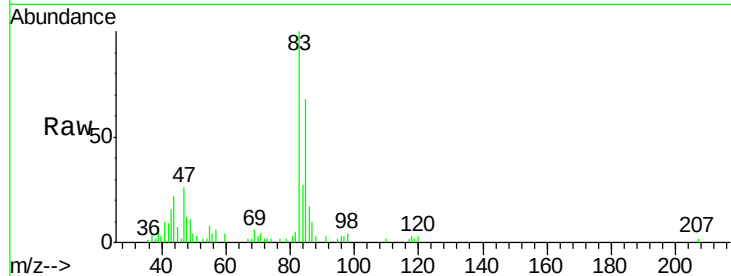




#25
Chloroform
Concen: 0.28 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV006114.D
Acq: 31 May 2018 18:41

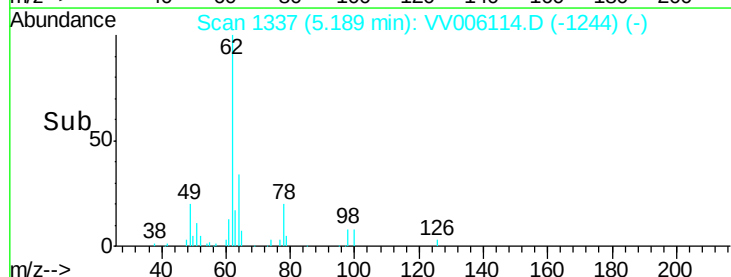
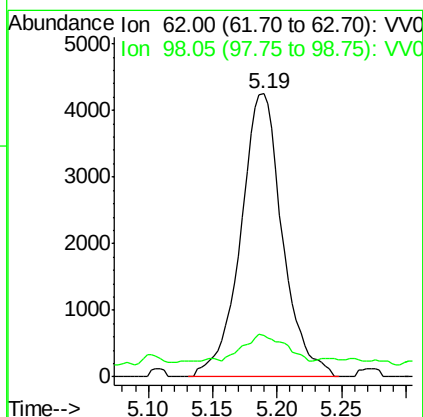
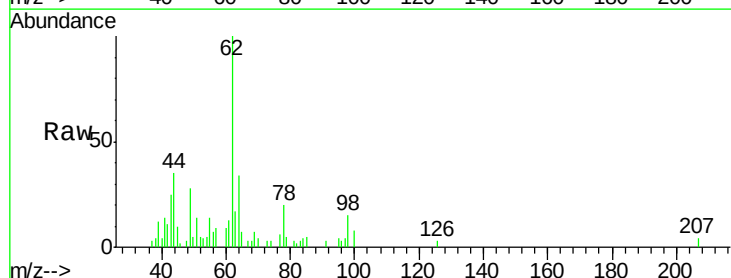
Instrument :
MSVOA_V
ClientSampled :
BFB

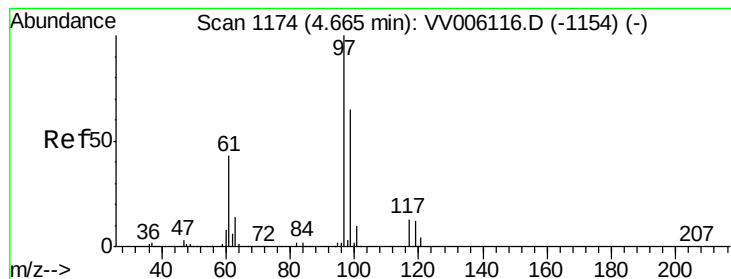
Tgt Ion: 83 Resp: 16833
Ion Ratio Lower Upper
83 100
85 68.0 46.2 85.8



#27
1,2-Dichloroethane
Concen: 0.27 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006114.D
Acq: 31 May 2018 18:41

Tgt Ion: 62 Resp: 9613
Ion Ratio Lower Upper
62 100
98 14.6 8.6 12.8#





#29

1,1,1-Trichloroethane

Concen: 0.32 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VV006114.D

Acq: 31 May 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

BFB

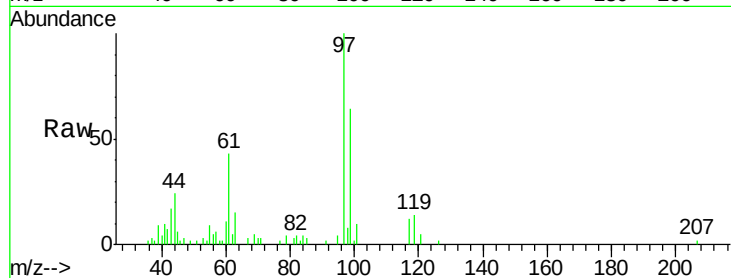
Tgt Ion: 97 Resp: 15080

Ion Ratio Lower Upper

97 100

99 65.0 51.5 77.3

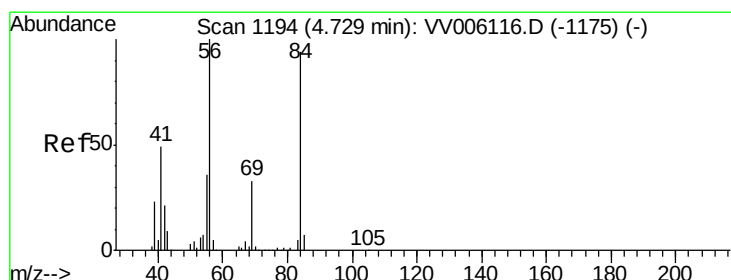
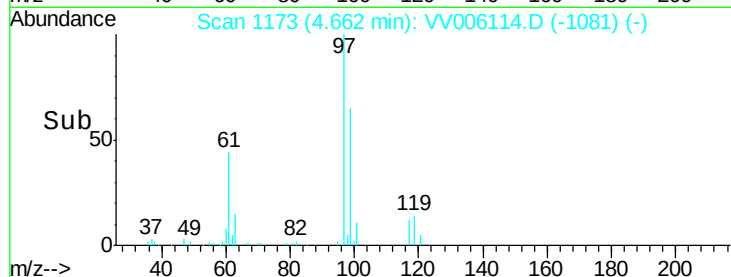
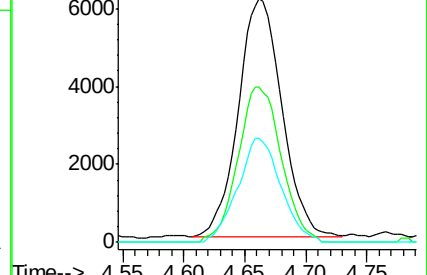
61 43.4 33.7 50.5



Abundance Ion 96.95 (96.65 to 97.65): VV006114.D (-1154) (-)

Ion 99.05 (98.75 to 99.75): VV006114.D (-1154) (-)

Ion 61.05 (60.75 to 61.75): VV006114.D (-1154) (-)



#30

Cyclohexane

Concen: 0.32 ug/L

RT: 4.73 min Scan# 1193

Delta R.T. -0.00 min

Lab File: VV006114.D

Acq: 31 May 2018 18:41

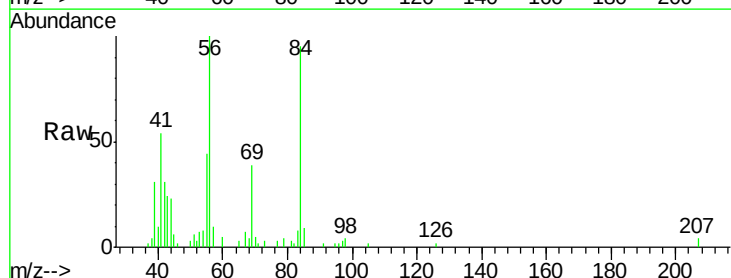
Tgt Ion: 56 Resp: 15539

Ion Ratio Lower Upper

56 100

69 35.0 26.4 39.6

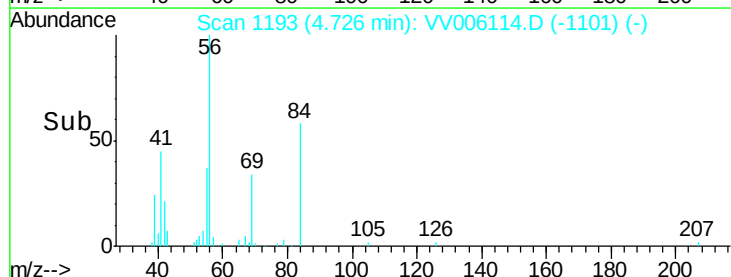
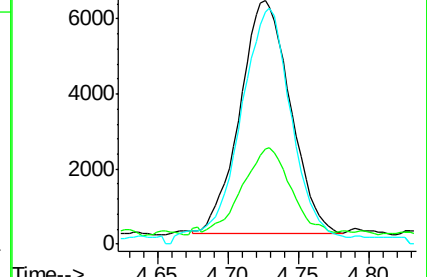
84 104.9 78.9 118.3

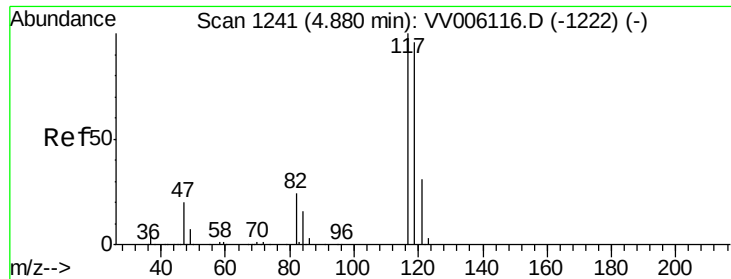


Abundance Ion 56.10 (55.80 to 56.80): VV006114.D (-1175) (-)

Ion 69.15 (68.85 to 69.85): VV006114.D (-1175) (-)

Ion 84.15 (83.85 to 84.85): VV006114.D (-1175) (-)

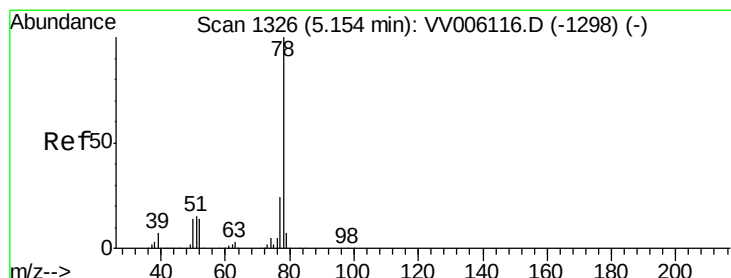
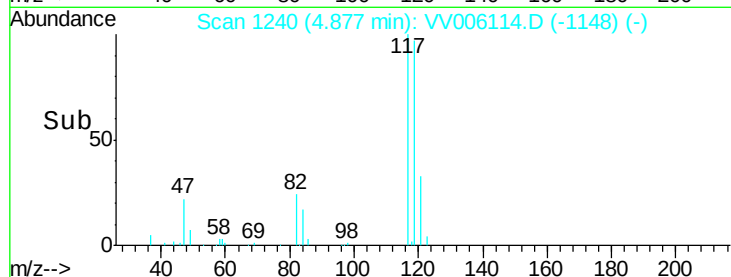
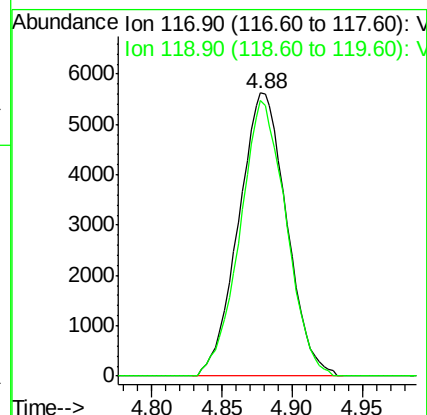
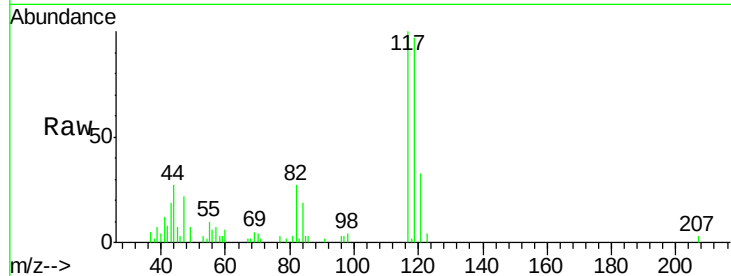




#31
Carbon tetrachloride
Concen: 0.32 ug/L
RT: 4.88 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VV006114.D
Acq: 31 May 2018 18:41

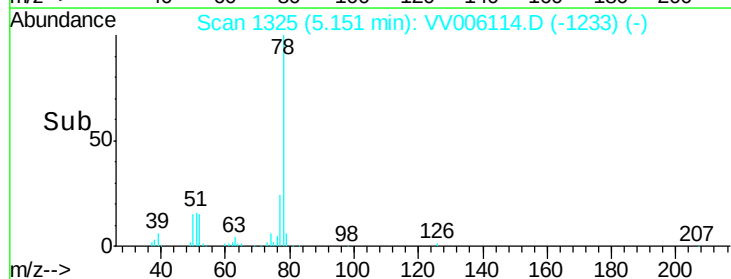
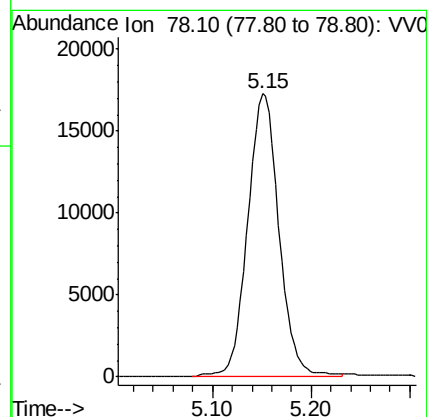
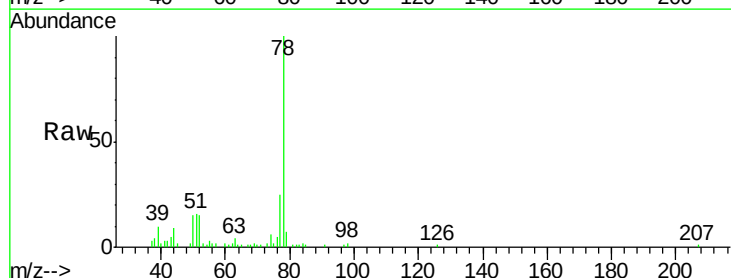
Instrument :
MSVOA_V
ClientSampleId :
BFB

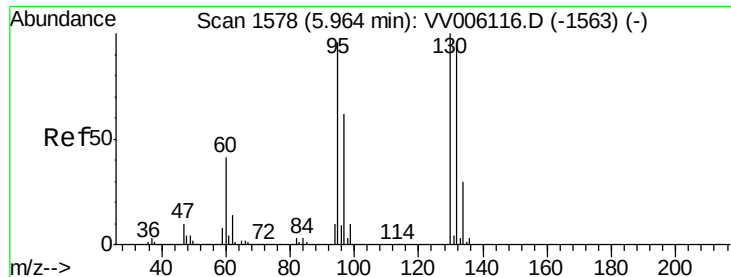
Tgt Ion:117 Resp: 13408
Ion Ratio Lower Upper
117 100
119 93.4 76.1 114.1



#33
Benzene
Concen: 0.30 ug/L
RT: 5.15 min Scan# 1325
Delta R.T. -0.00 min
Lab File: VV006114.D
Acq: 31 May 2018 18:41

Tgt Ion: 78 Resp: 37912





#34

Trichloroethene

Concen: 0.31 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006114.D

Acq: 31 May 2018 18:41

Instrument :

MSVOA_V

ClientSampled :

BFB

Tgt Ion: 95 Resp: 10548

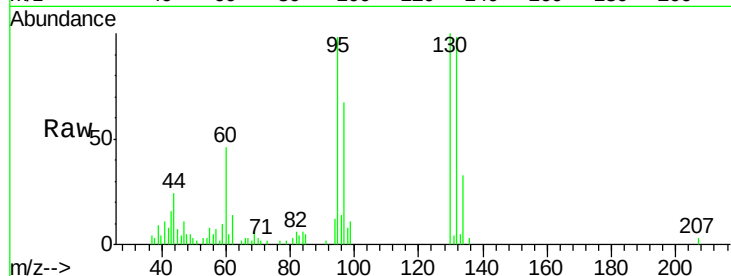
Ion Ratio Lower Upper

95 100

97 68.5 45.1 83.9

132 100.7 69.0 128.1

130 102.5 72.8 135.2

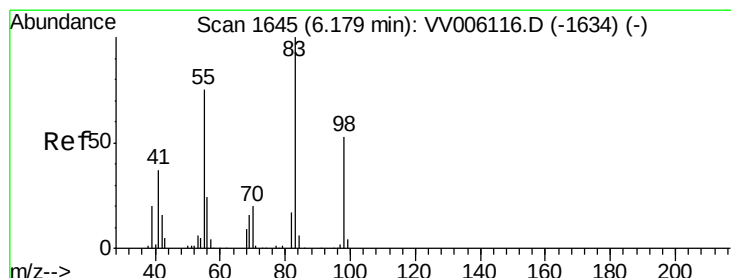
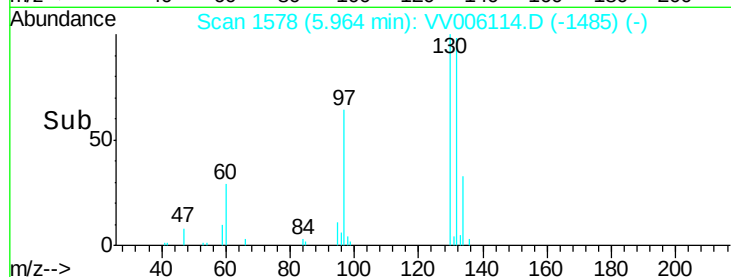
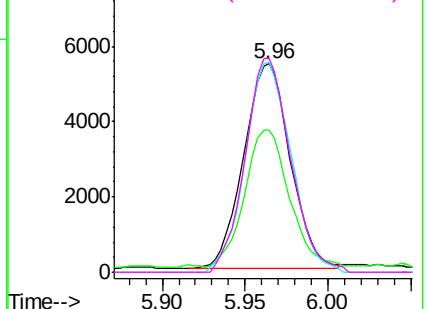


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.35 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006114.D

Acq: 31 May 2018 18:41

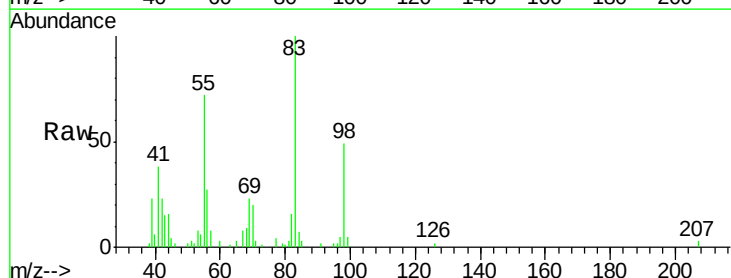
Tgt Ion: 83 Resp: 17739

Ion Ratio Lower Upper

83 100

55 72.1 57.5 86.3

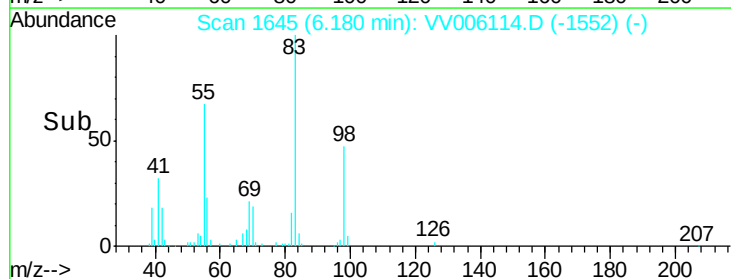
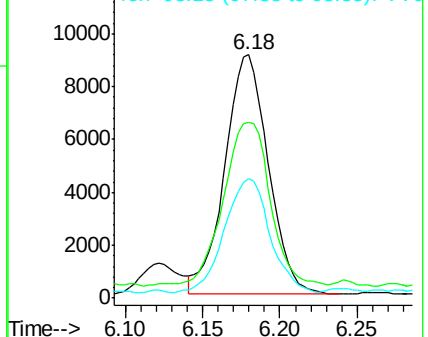
98 49.7 39.8 59.8

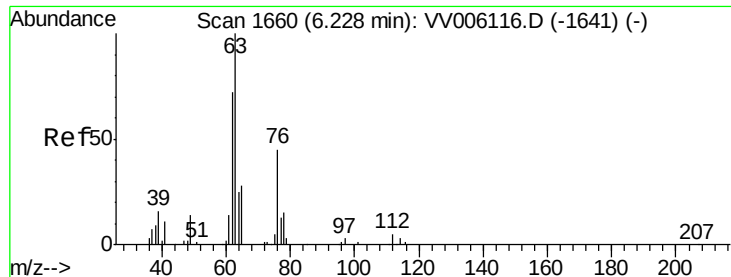


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

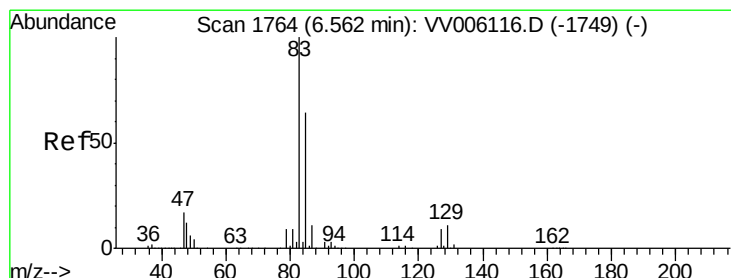
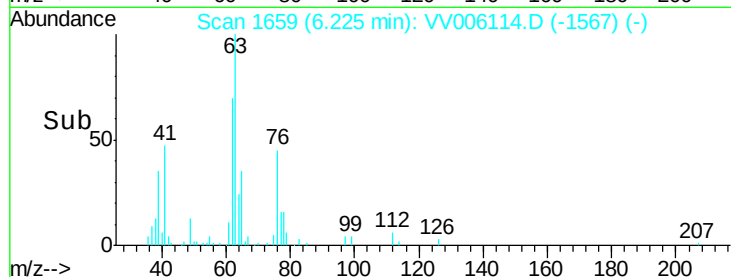
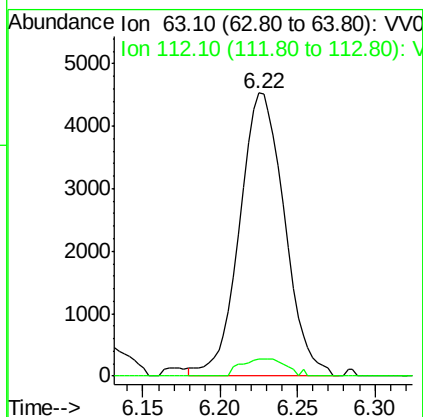
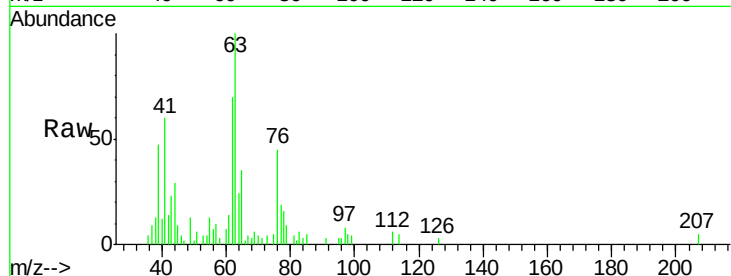




#37
 1,2-Dichloropropane
 Concen: 0.28 ug/L
 RT: 6.22 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VV006114.D
 Acq: 31 May 2018 18:41

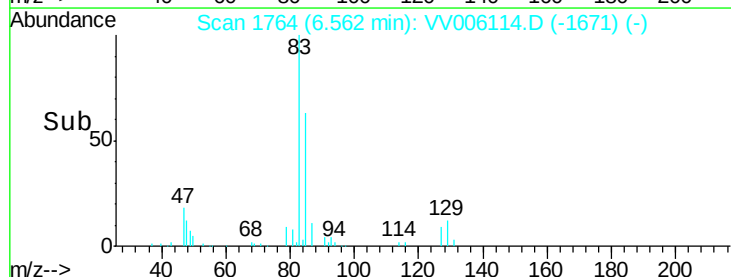
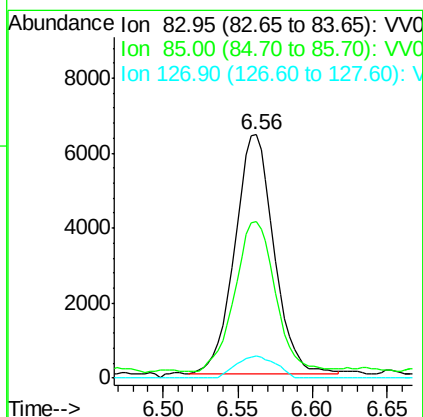
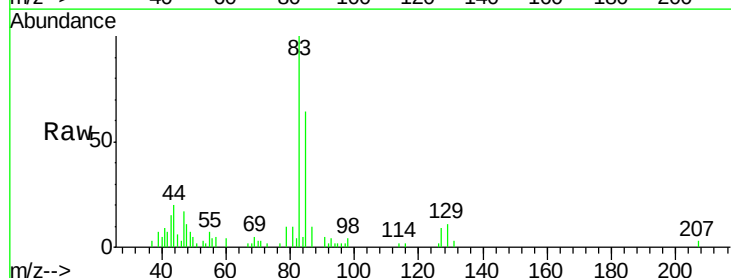
Instrument :
 MSVOA_V
 ClientSampled :
 BFB

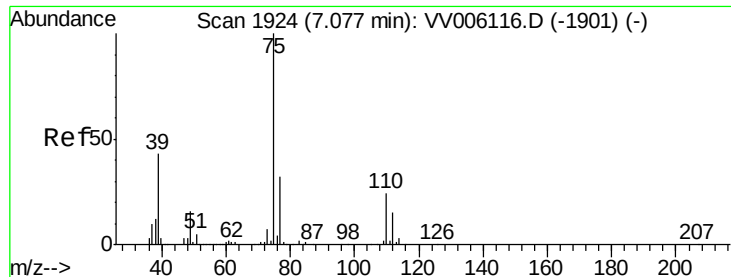
Tgt Ion: 63 Resp: 9152
 Ion Ratio Lower Upper
 63 100
 112 6.0 4.1 6.1



#38
 Bromodichloromethane
 Concen: 0.31 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006114.D
 Acq: 31 May 2018 18:41

Tgt Ion: 83 Resp: 11614
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.9 83.5
 127 8.9 7.0 10.4

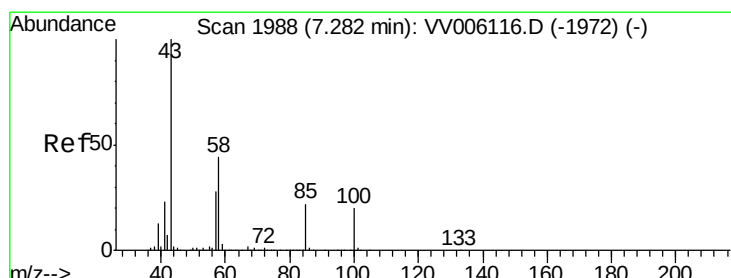
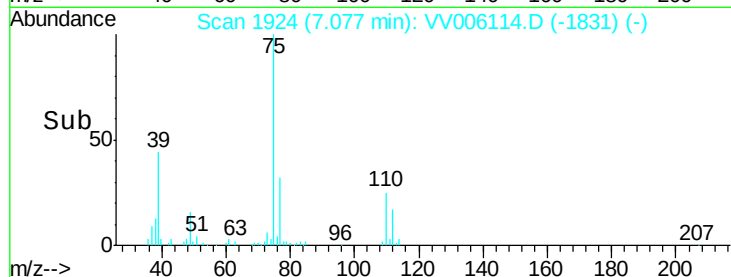
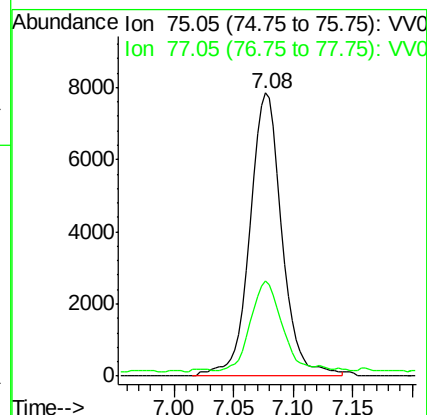
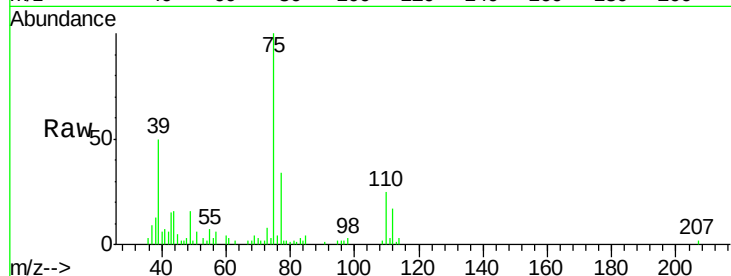




#39
 cis-1,3-Dichloropropene
 Concen: 0.34 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006114.D
 Acq: 31 May 2018 18:41

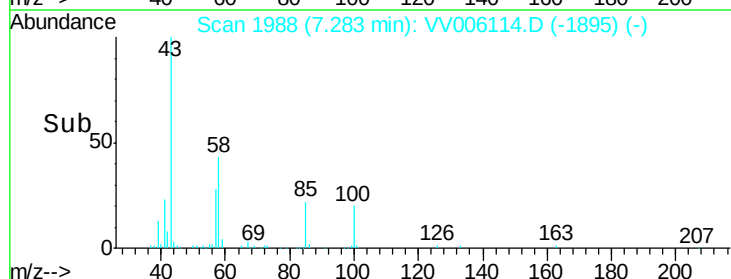
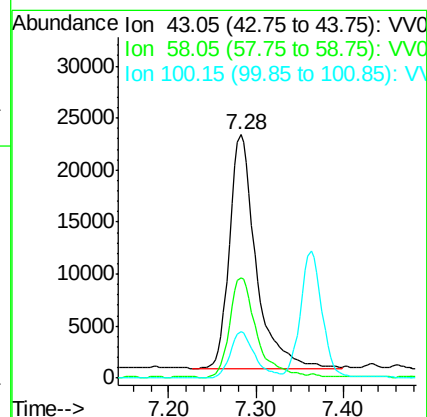
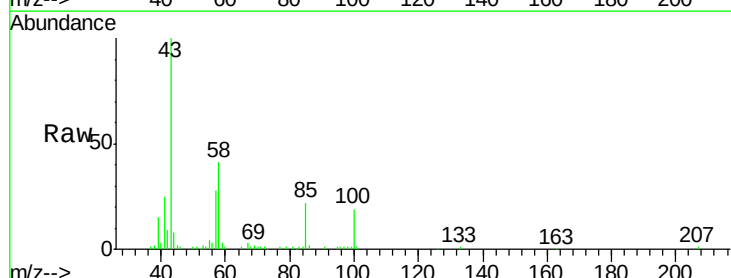
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB

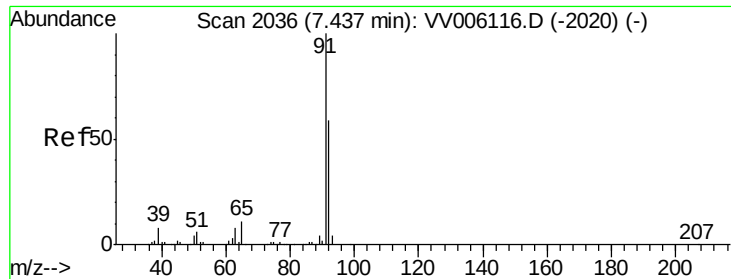
Tgt Ion: 75 Resp: 14703
 Ion Ratio Lower Upper
 75 100
 77 33.8 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 2.71 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VV006114.D
 Acq: 31 May 2018 18:41

Tgt Ion: 43 Resp: 47315
 Ion Ratio Lower Upper
 43 100
 58 44.4 36.0 54.0
 100 18.5 15.4 23.2





#42

Toluene

Concen: 0.32 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV006114.D

Acq: 31 May 2018 18:41

Instrument :

MSVOA_V

ClientSampled :

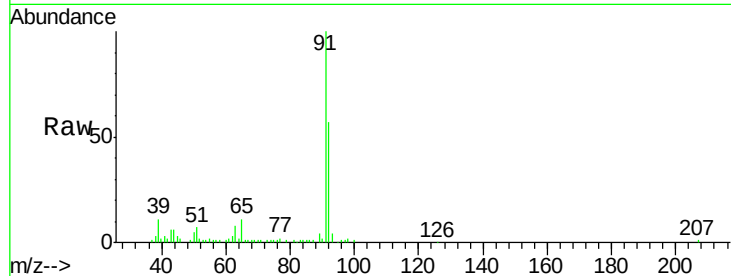
BFB

Tgt Ion: 91 Resp: 41617

Ion Ratio Lower Upper

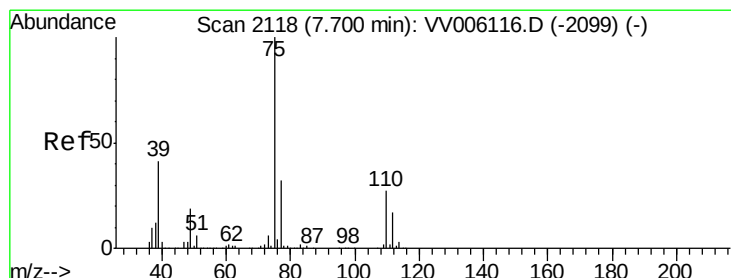
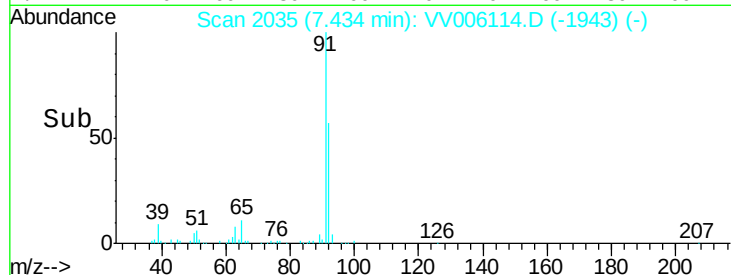
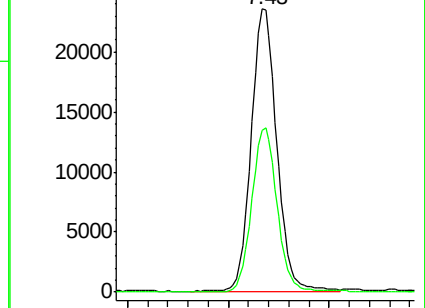
91 100

92 57.3 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.34 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006114.D

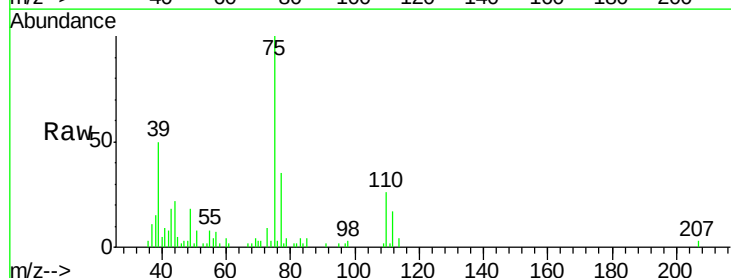
Acq: 31 May 2018 18:41

Tgt Ion: 75 Resp: 11972

Ion Ratio Lower Upper

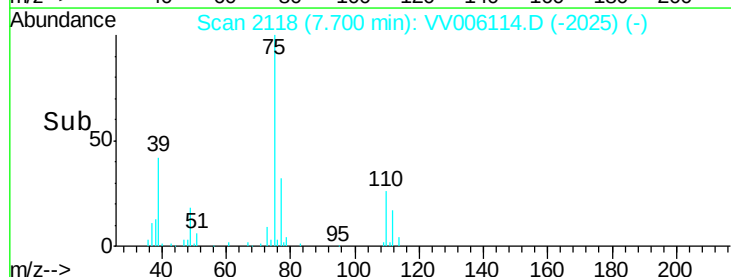
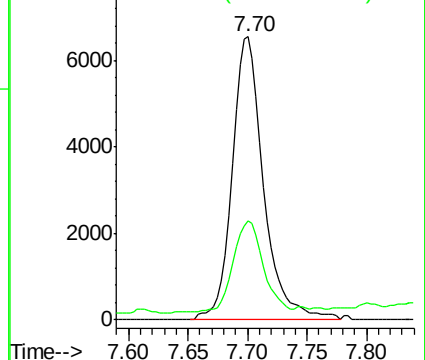
75 100

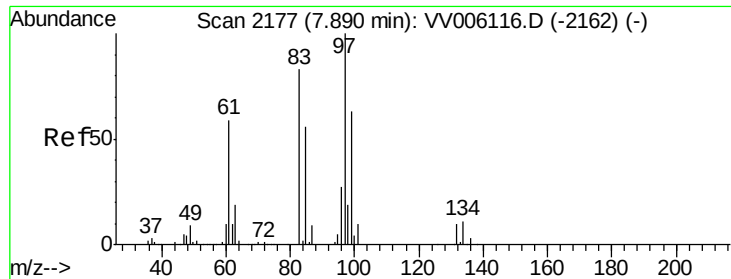
77 34.9 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

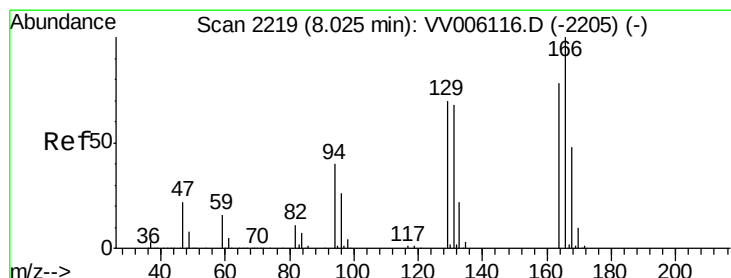
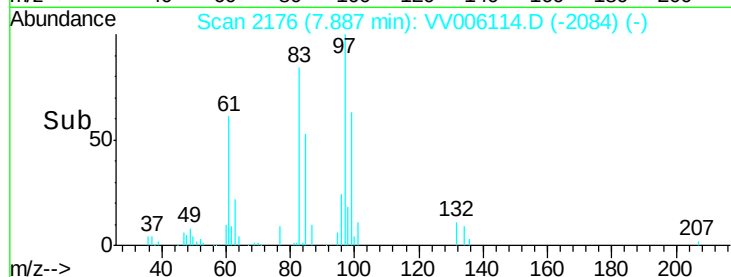
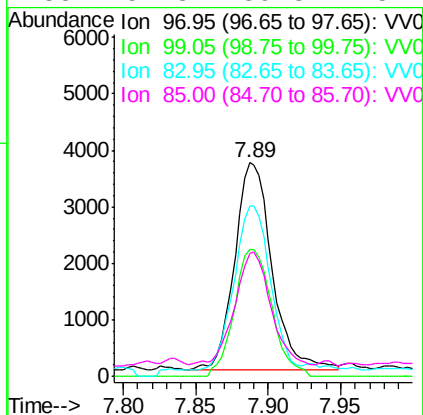
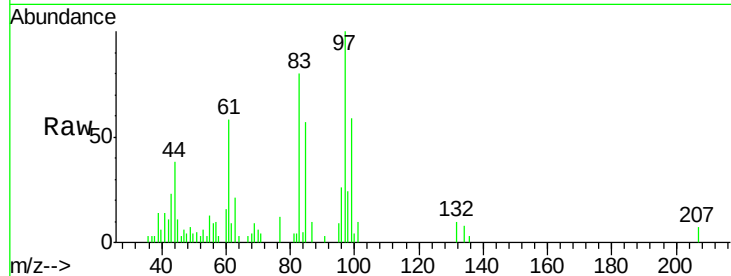




#45
 1,1,2-Trichloroethane
 Concen: 0.31 ug/L
 RT: 7.89 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VV006114.D
 Acq: 31 May 2018 18:41

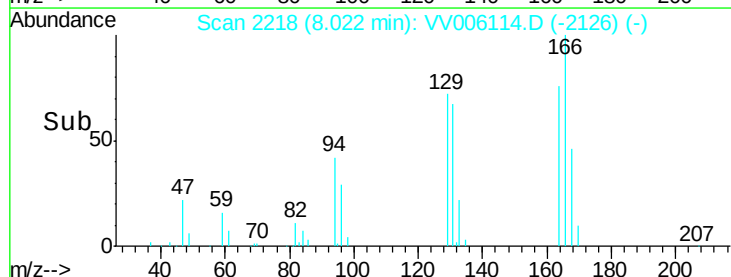
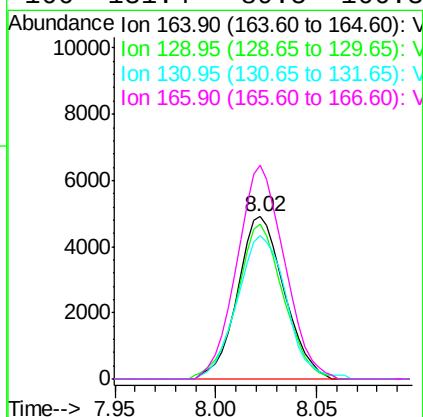
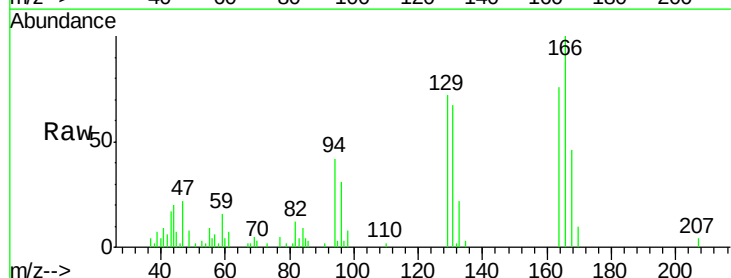
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB

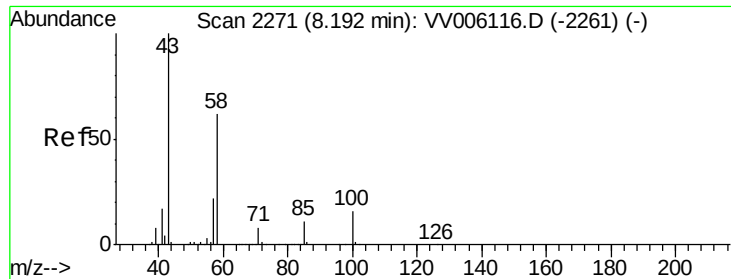
Tgt Ion:	97	Resp:	6588
Ion	Ratio	Lower	Upper
97	100		
99	59.3	43.8	81.3
83	79.6	58.2	108.2
85	57.3	39.3	73.1



#47
 Tetrachloroethene
 Concen: 0.29 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV006114.D
 Acq: 31 May 2018 18:41

Tgt Ion:	164	Resp:	7962
Ion	Ratio	Lower	Upper
164	100		
129	95.2	62.7	116.5
131	88.1	61.0	113.2
166	131.4	89.5	166.3

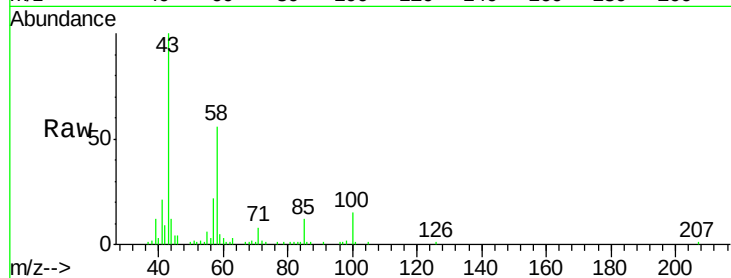




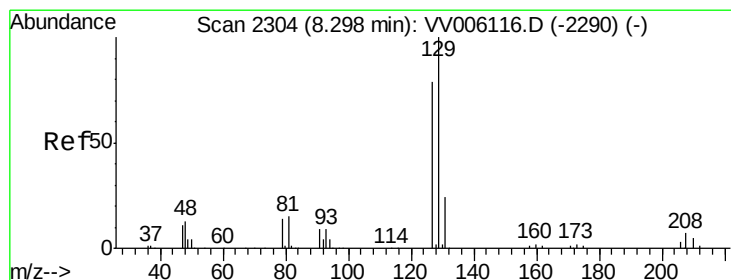
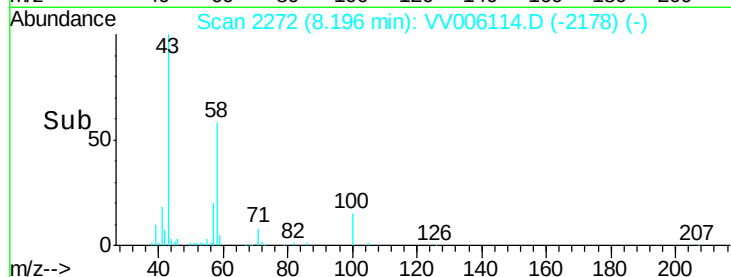
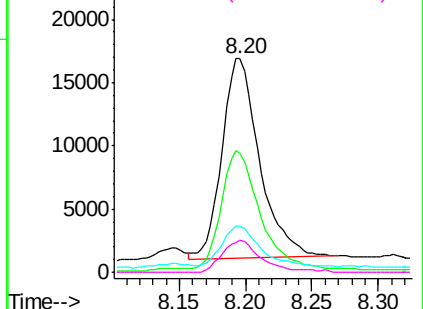
#48
2-Hexanone
Concen: 2.50 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV006114.D
Acq: 31 May 2018 18:41

Instrument :
MSVOA_V
ClientSampleId :
BFB

Tgt Ion: 43 Resp: 31056
Ion Ratio Lower Upper
43 100
58 62.5 48.6 72.8
57 21.4 17.5 26.3
100 16.1 12.6 18.8

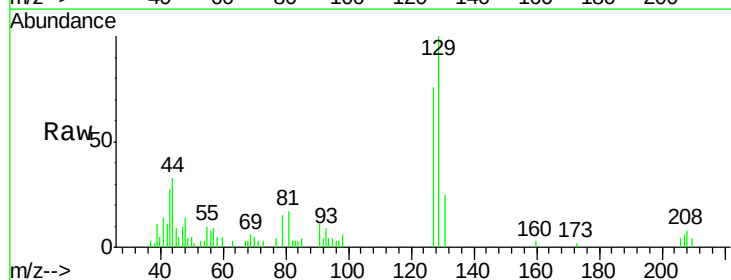


Abundance Ion 43.05 (42.75 to 43.75): VV006116.D (-2261) (-)
Ion 58.05 (57.75 to 58.75): VV006116.D (-2261) (-)
Ion 57.20 (56.90 to 57.90): VV006116.D (-2261) (-)
Ion 100.15 (99.85 to 100.85): VV006116.D (-2261) (-)

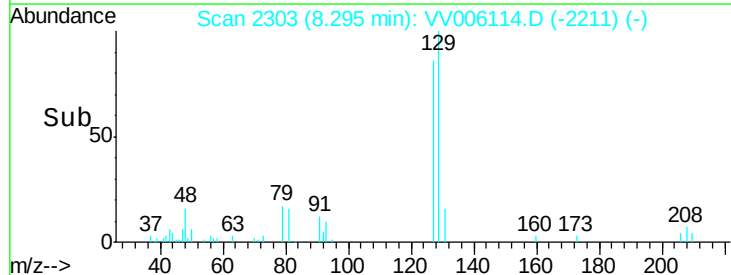
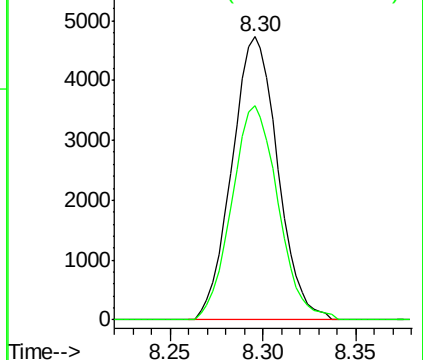


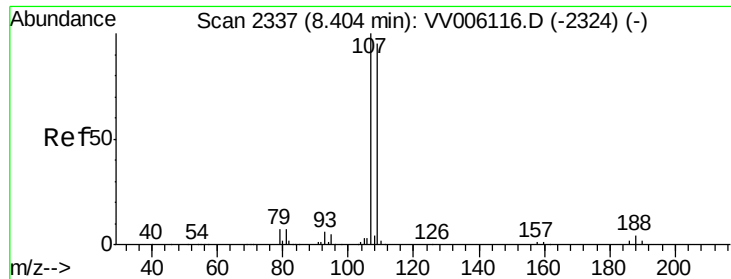
#49
Dibromochloromethane
Concen: 0.33 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006114.D
Acq: 31 May 2018 18:41

Tgt Ion: 129 Resp: 8120
Ion Ratio Lower Upper
129 100
127 75.9 55.2 102.4



Abundance Ion 128.95 (128.65 to 129.65): VV006116.D (-2290) (-)
Ion 126.90 (126.60 to 127.60): VV006116.D (-2290) (-)

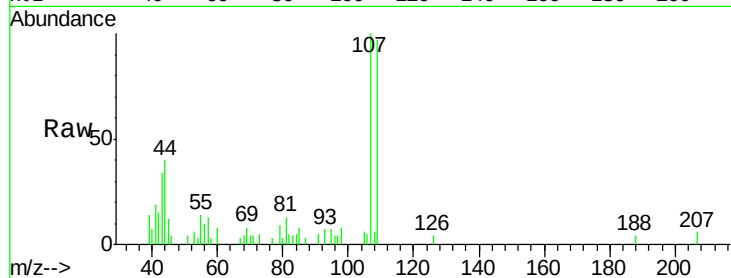




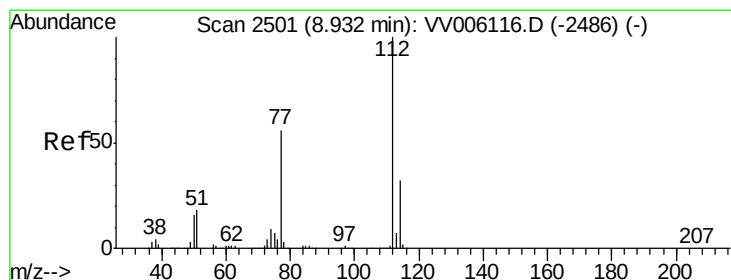
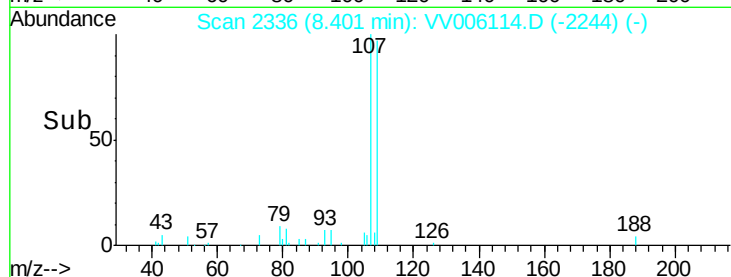
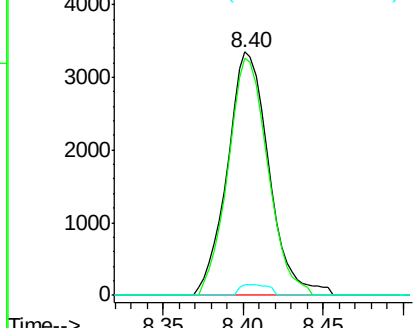
#50
1,2-Dibromoethane
Concen: 0.31 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006114.D
Acq: 31 May 2018 18:41

Instrument :
MSVOA_V
ClientSampleId :
BFB

Tgt Ion:107 Resp: 5941
Ion Ratio Lower Upper
107 100
109 97.2 66.8 124.2
188 4.1 3.4 5.0

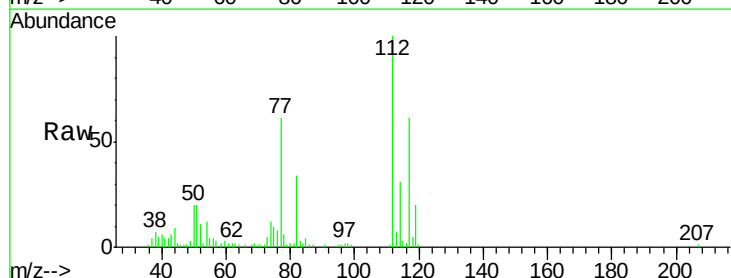


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

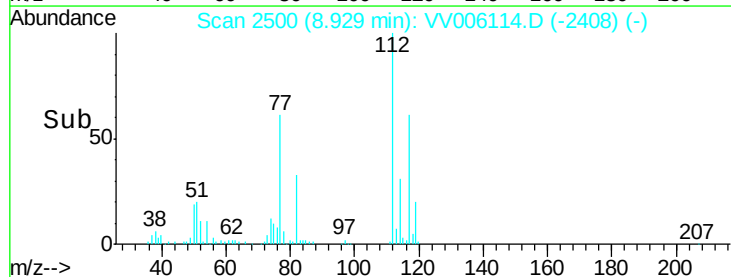
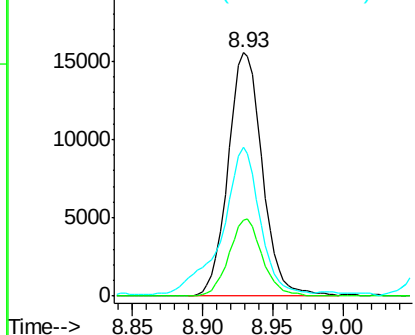


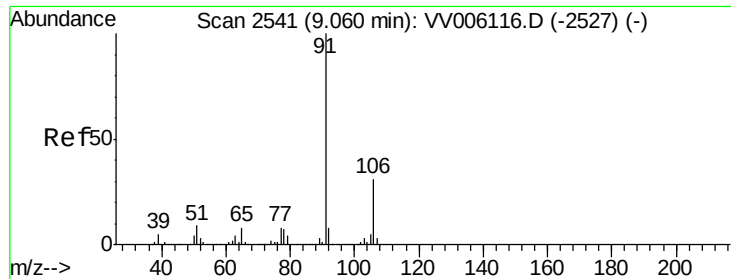
#51
Chlorobenzene
Concen: 0.31 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006114.D
Acq: 31 May 2018 18:41

Tgt Ion:112 Resp: 26442
Ion Ratio Lower Upper
112 100
114 31.3 22.2 41.2
77 61.2 45.2 67.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.33 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006114.D

Acq: 31 May 2018 18:41

Instrument :

MSVOA_V

ClientSampled :

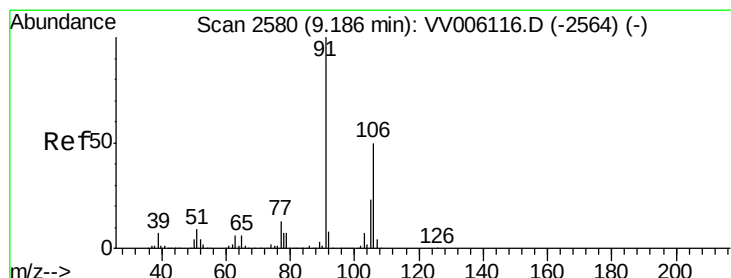
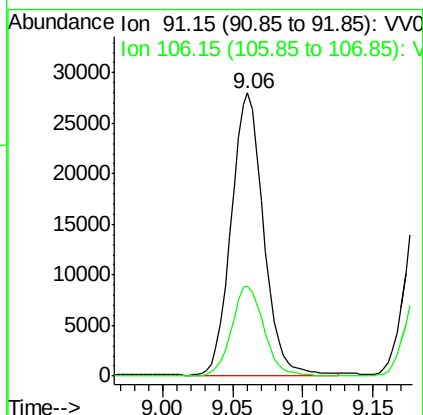
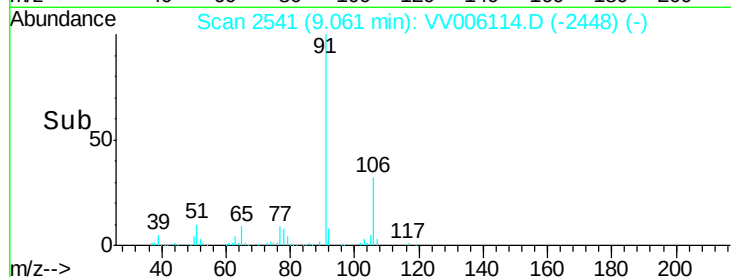
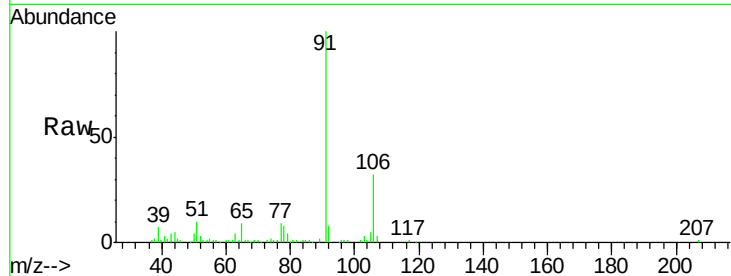
BFB

Tgt Ion: 91 Resp: 45259

Ion Ratio Lower Upper

91 100

106 32.0 21.9 40.7



#53

m,p-xylene

Concen: 0.34 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006114.D

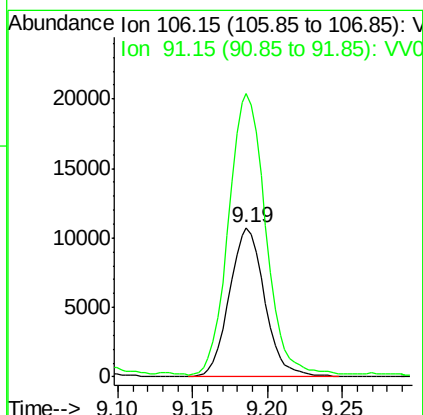
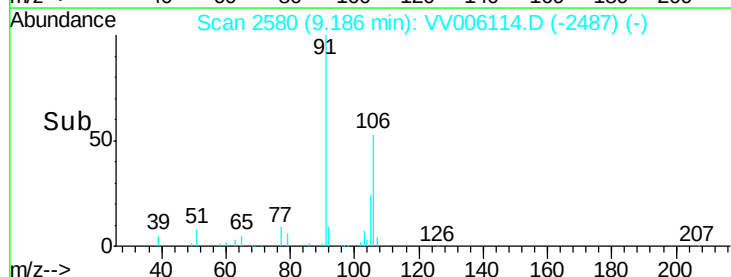
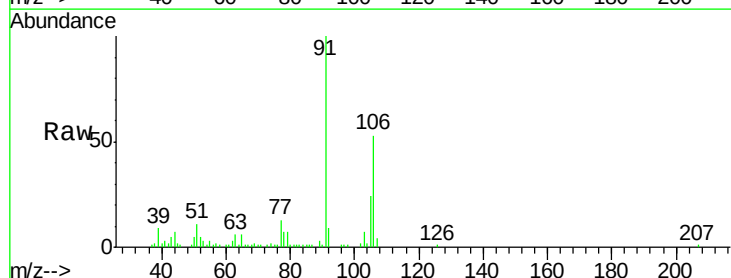
Acq: 31 May 2018 18:41

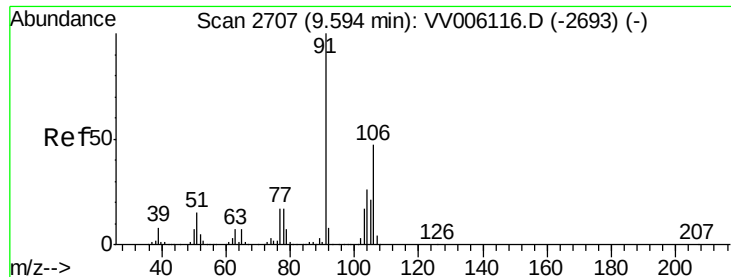
Tgt Ion: 106 Resp: 17657

Ion Ratio Lower Upper

106 100

91 189.9 139.7 259.4





#54

o-xylene

Concen: 0.33 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006114.D

Acq: 31 May 2018 18:41

Instrument :

MSVOA_V

ClientSampled :

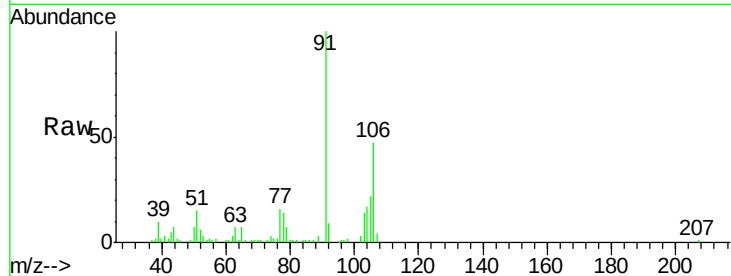
BFB

Tgt Ion:106 Resp: 16977

Ion Ratio Lower Upper

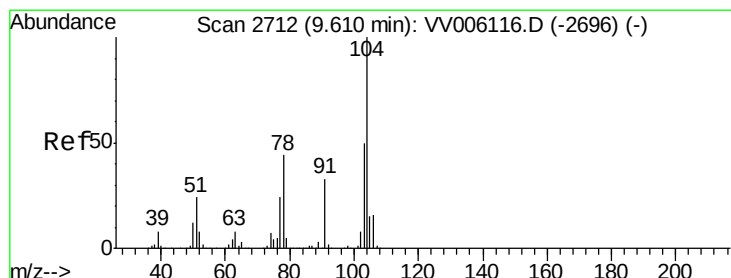
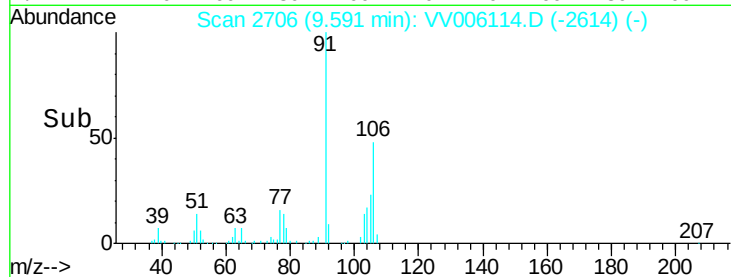
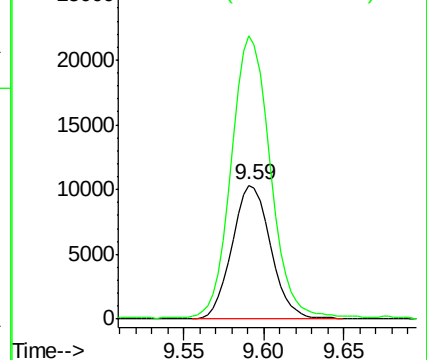
106 100

91 211.3 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.32 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006114.D

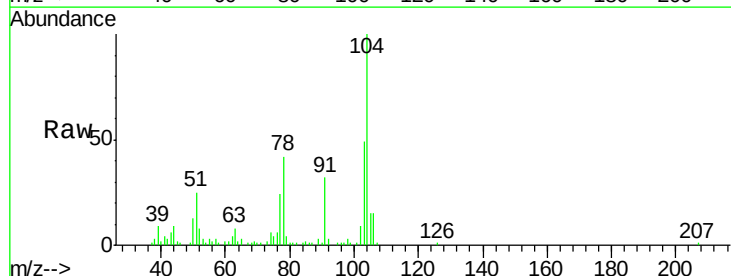
Acq: 31 May 2018 18:41

Tgt Ion:104 Resp: 27446

Ion Ratio Lower Upper

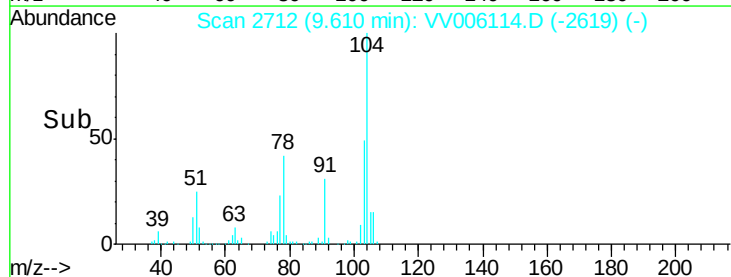
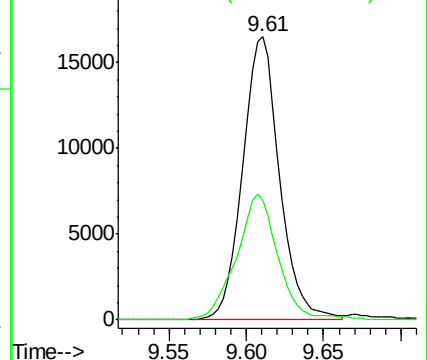
104 100

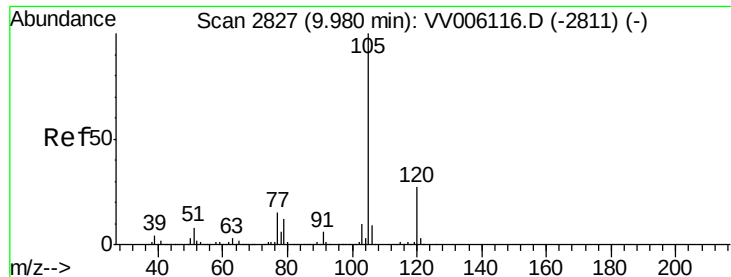
78 42.3 30.6 56.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.34 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006114.D

Acq: 31 May 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

BFB

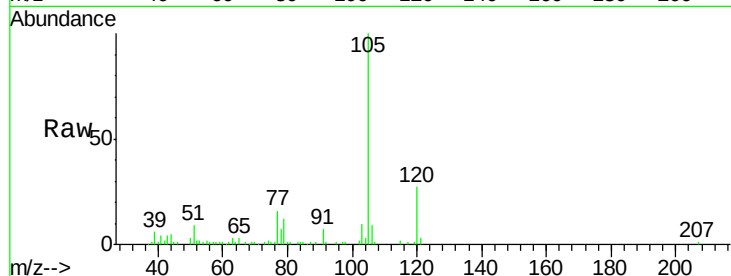
Tgt Ion: 105 Resp: 45173

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

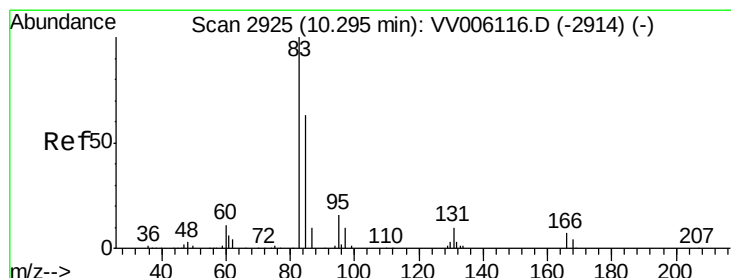
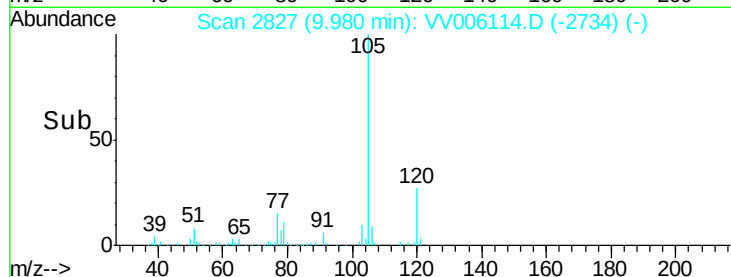
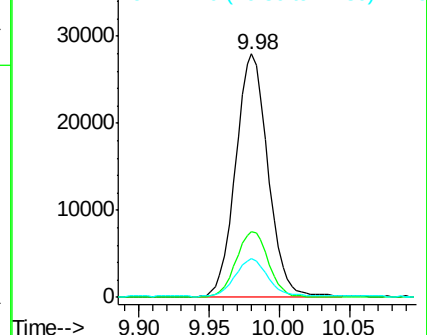
77 15.6 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.31 ug/L

RT: 10.30 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VV006114.D

Acq: 31 May 2018 18:41

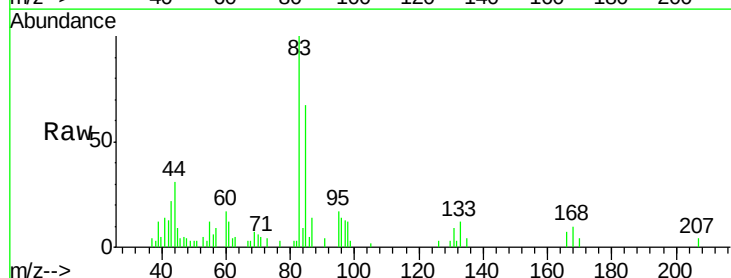
Tgt Ion: 83 Resp: 7577

Ion Ratio Lower Upper

83 100

85 66.9 45.0 83.6

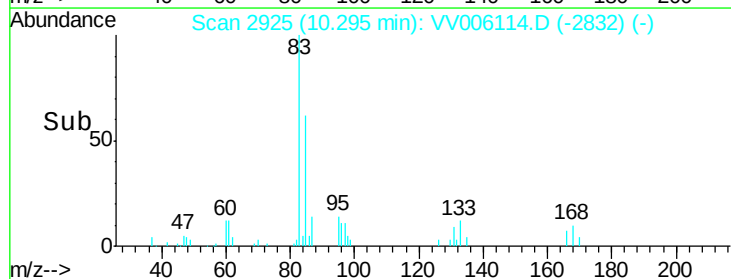
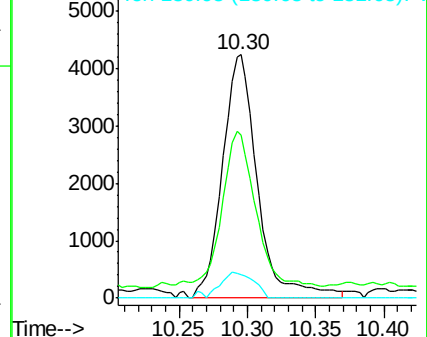
131 9.4 8.3 12.5

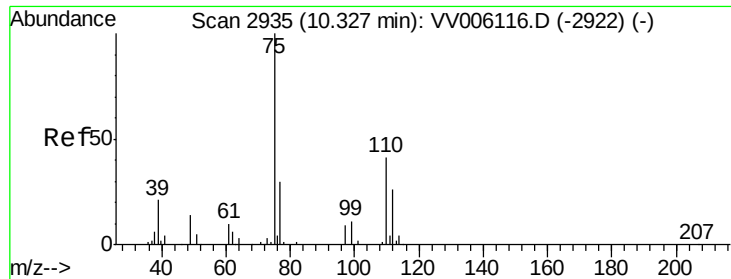


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.29 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV006114.D

Acq: 31 May 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

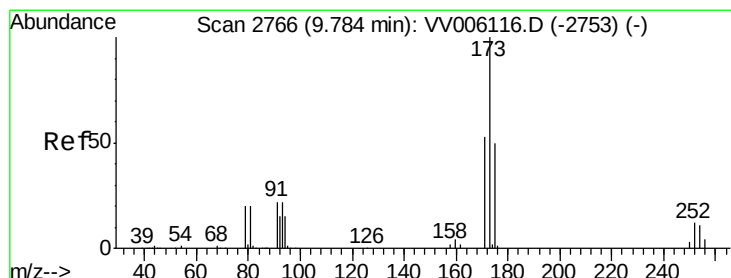
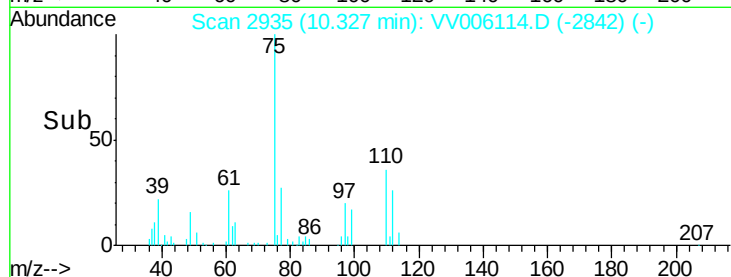
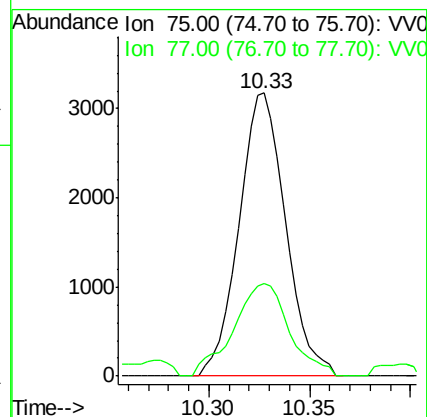
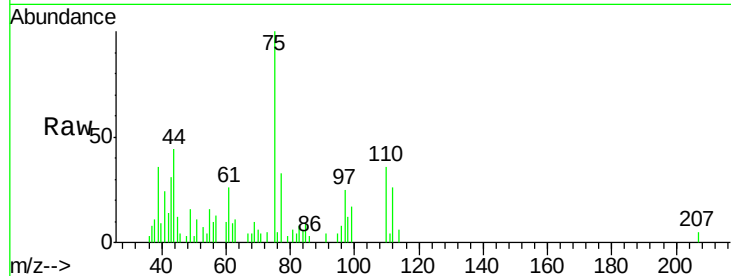
BFB

Tgt Ion: 75 Resp: 5144

Ion Ratio Lower Upper

75 100

77 39.0 25.7 38.5#



#61

Bromoform

Concen: 0.32 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV006114.D

Acq: 31 May 2018 18:41

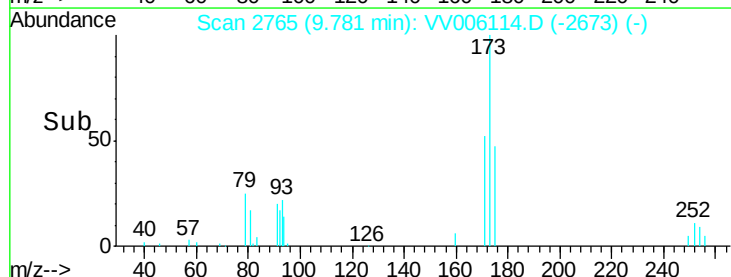
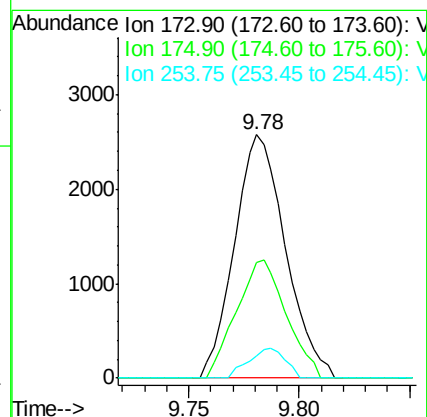
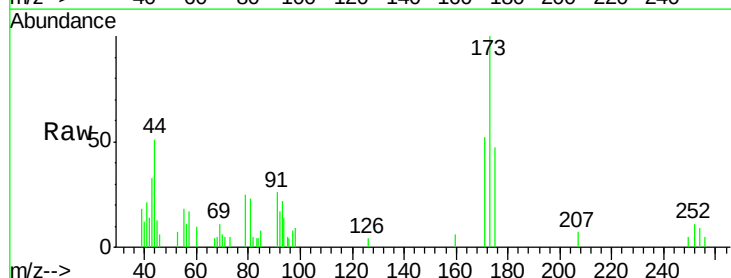
Tgt Ion: 173 Resp: 4124

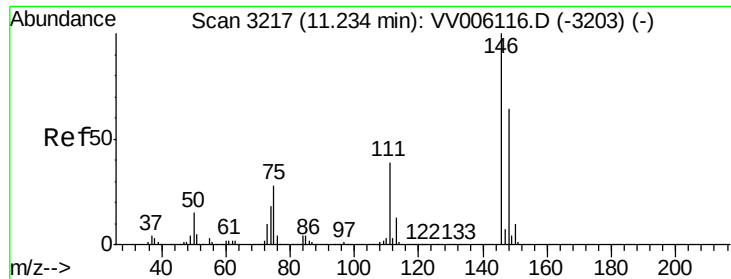
Ion Ratio Lower Upper

173 100

175 47.3 39.3 58.9

254 8.9 9.1 13.7#

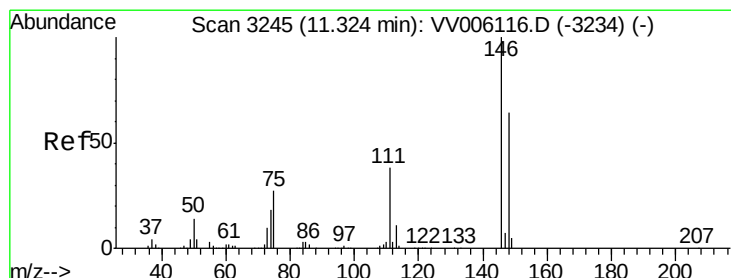
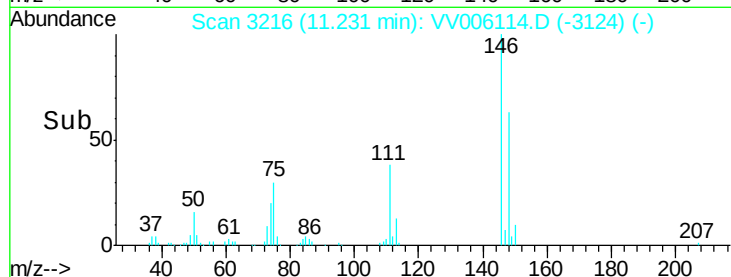
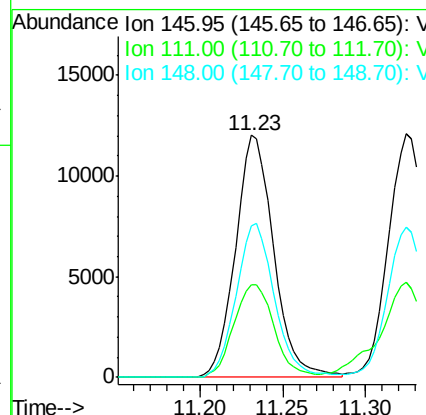
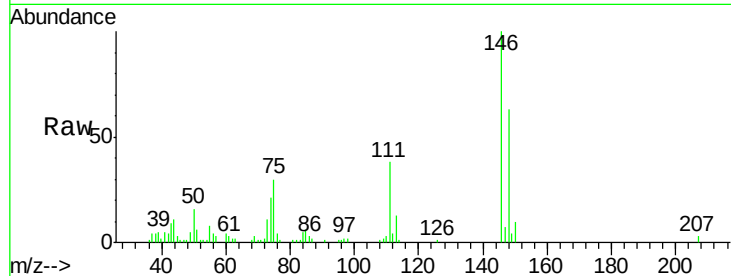




#62
 1,3-Dichlorobenzene
 Concen: 0.32 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. -0.00 min
 Lab File: VV006114.D
 Acq: 31 May 2018 18:41

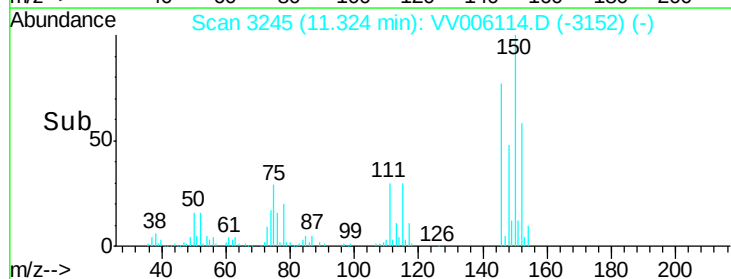
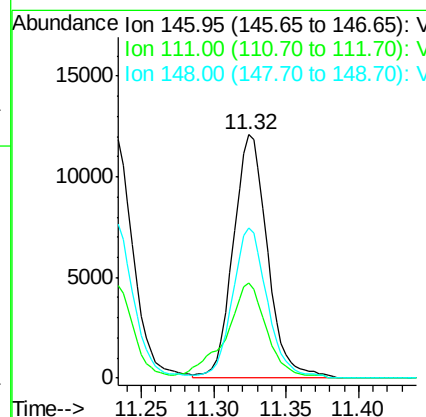
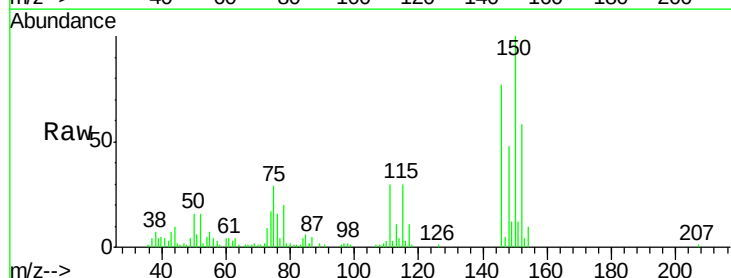
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB

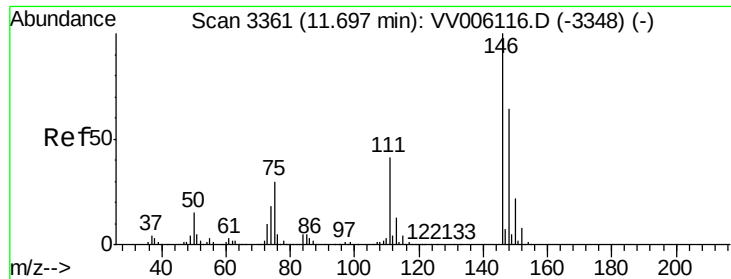
Tgt Ion:146 Resp: 19311
 Ion Ratio Lower Upper
 146 100
 111 38.2 27.6 51.2
 148 62.7 45.1 83.7



#63
 1,4-Dichlorobenzene
 Concen: 0.33 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV006114.D
 Acq: 31 May 2018 18:41

Tgt Ion:146 Resp: 19836
 Ion Ratio Lower Upper
 146 100
 111 39.0 26.9 50.1
 148 61.9 44.8 83.2





#65

1,2-Dichlorobenzene

Concen: 0.31 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006114.D

Acq: 31 May 2018 18:41

Instrument :

MSVOA_V

ClientSampled :

BFB

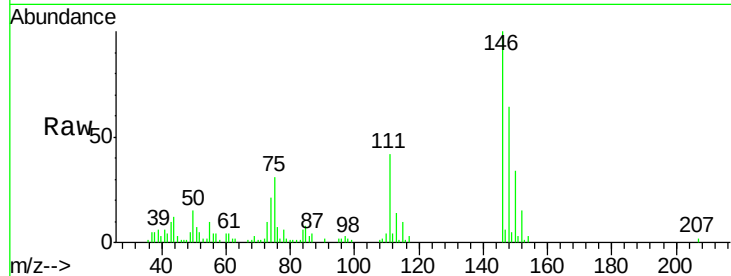
Tgt Ion:146 Resp: 18063

Ion Ratio Lower Upper

146 100

111 41.9 32.8 49.2

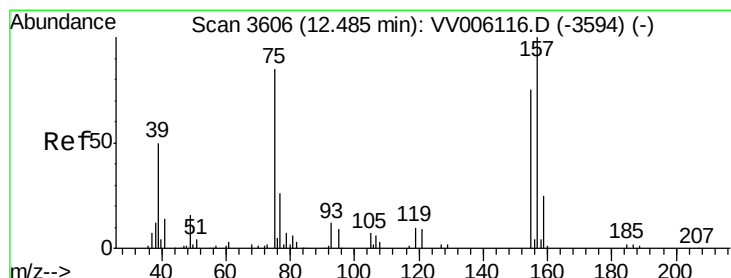
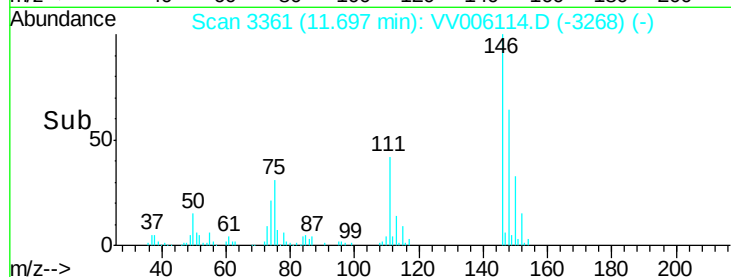
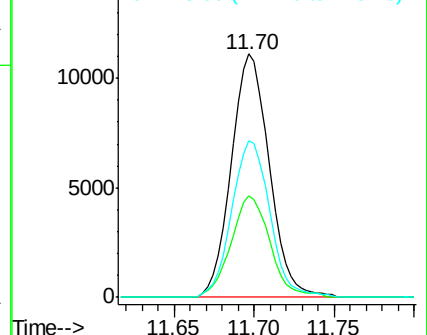
148 64.5 51.4 77.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.33 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV006114.D

Acq: 31 May 2018 18:41

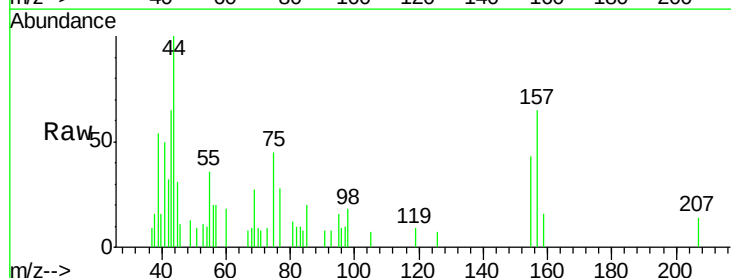
Tgt Ion: 75 Resp: 1113

Ion Ratio Lower Upper

75 100

155 96.6 70.3 105.5

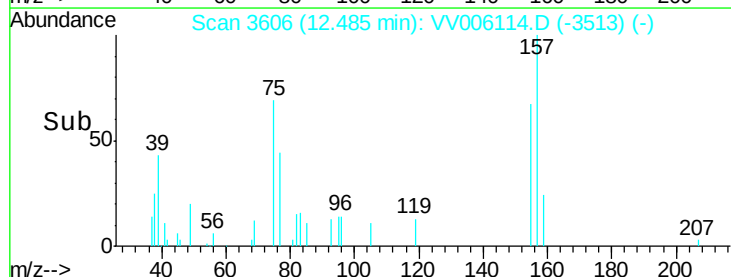
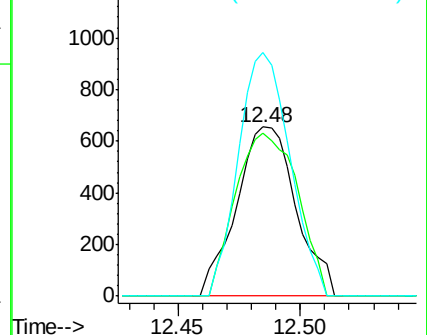
157 144.2 93.8 140.6#

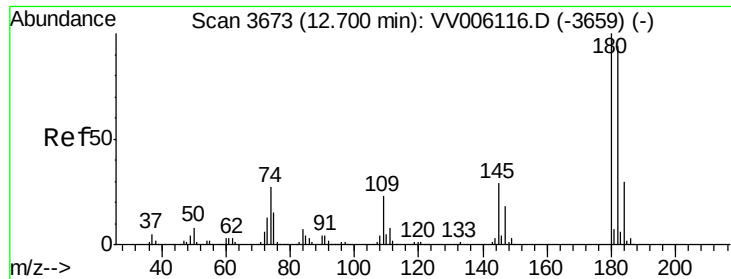


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

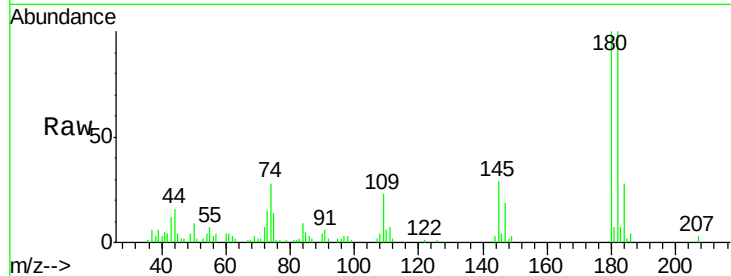




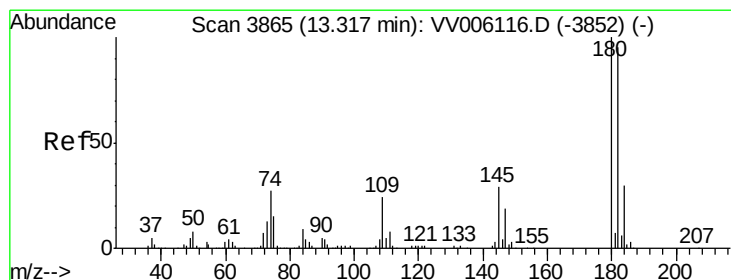
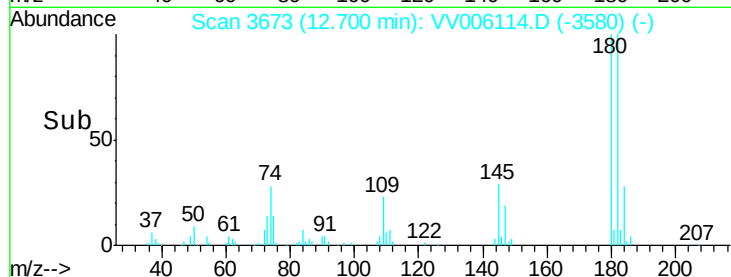
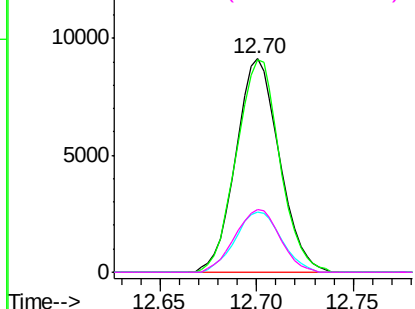
#67
 1,3,5-Trichlorobenzene
 Concen: 0.30 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006114.D
 Acq: 31 May 2018 18:41

Instrument :
 MSVOA_V
 ClientSampled :
 BFB

Tgt Ion:180 Resp: 14266
 Ion Ratio Lower Upper
 180 100
 182 99.2 75.4 113.2
 184 29.8 24.3 36.5
 145 30.4 23.1 34.7

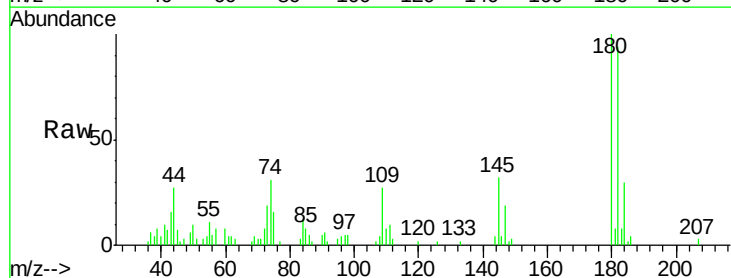


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

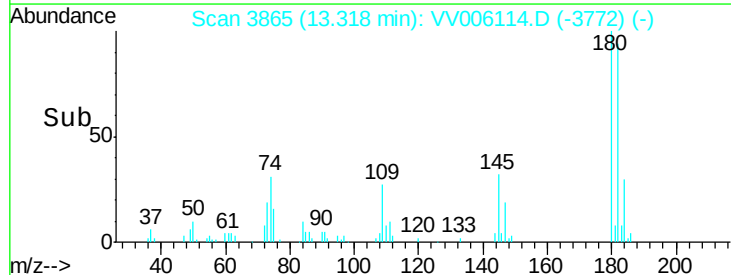
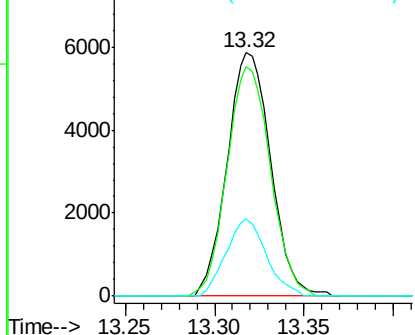


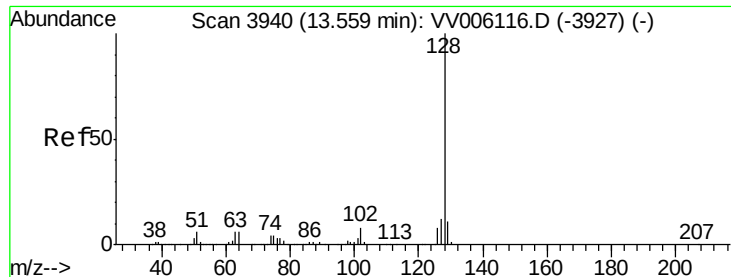
#68
 1,2,4-trichlorobenzene
 Concen: 0.27 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006114.D
 Acq: 31 May 2018 18:41

Tgt Ion:180 Resp: 9985
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.7 115.1
 145 29.1 23.7 35.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.27 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV006114.D

Acq: 31 May 2018 18:41

Instrument :

MSVOA_V

ClientSampled :

BFB

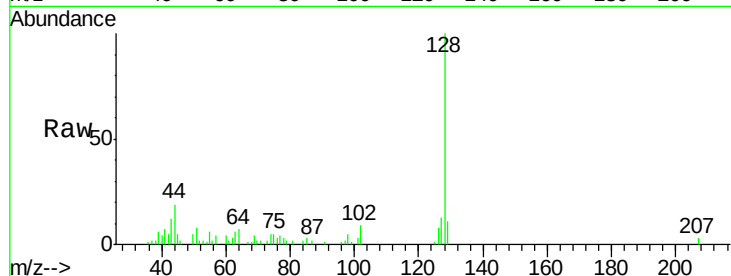
Tgt Ion:128 Resp: 14722

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

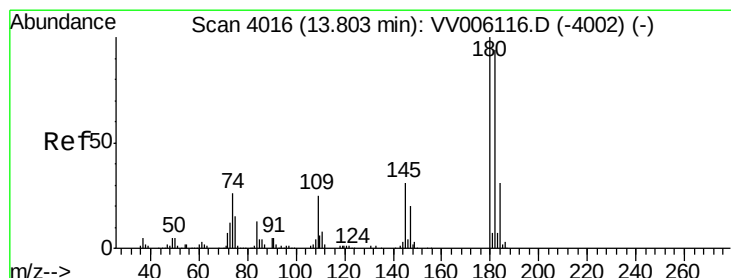
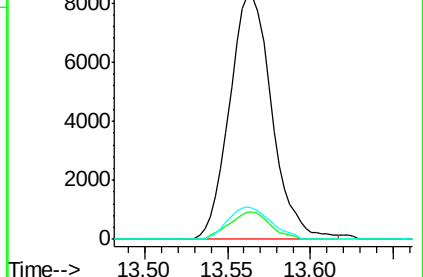
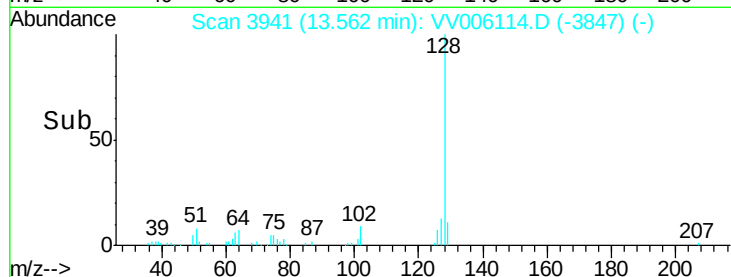
127 13.2 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.28 ug/L

RT: 13.80 min Scan# 4016

Delta R.T. 0.00 min

Lab File: VV006114.D

Acq: 31 May 2018 18:41

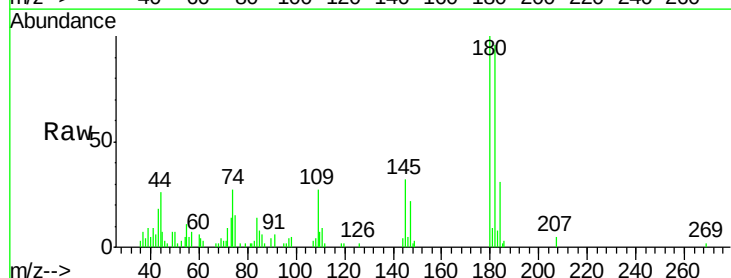
Tgt Ion:180 Resp: 9436

Ion Ratio Lower Upper

180 100

182 94.8 76.2 114.2

145 32.5 25.0 37.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

