

Data File : VV008467.D
Acq On : 30 Oct 2018 14:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB53

Quant Time: Oct 31 07:14:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 30 07:40:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	201513	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	185817	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	92572	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	46580	41.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.50%
7) Chloroethane-d5	1.56	69	33644	41.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.52%
11) 1,1-Dichloroethene-d2	2.13	63	93098	46.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.40%
21) 2-Butanone-d5	3.93	46	115978	95.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.65%
24) Chloroform-d	4.40	84	131960	47.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.90%
26) 1,2-Dichloroethane-d4	5.08	65	86776	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.32%
32) Benzene-d6	5.10	84	247430	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.46%
36) 1,2-Dichloropropane-d6	6.12	67	86261	46.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.86%
41) Toluene-d8	7.36	98	225613	46.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.86%
43) trans-1,3-Dichloropropene-	7.67	79	42502	47.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.20%
47) 2-Hexanone-d5	8.14	63	91728	95.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.58%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	126597	50.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.72%
64) 1,2-Dichlorobenzene-d4	11.68	152	89373	47.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	77400	53.789	ug/L 100
3) Chloromethane	1.25	50	80630	52.309	ug/L 99
5) Vinyl chloride	1.33	62	78710	55.109	ug/L 98
6) Bromomethane	1.51	94	20811	53.104	ug/L 99
8) Chloroethane	1.58	64	42958	57.251	ug/L 94
9) Trichlorofluoromethane	1.76	101	103068	56.072	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	56859	59.209	ug/L 100
12) 1,1-Dichloroethene	2.14	96	49897	55.186	ug/L 91
13) Acetone	2.19	43	111952	118.962	ug/L 100
14) Carbon disulfide	2.32	76	214562	52.688	ug/L 99
15) Methyl Acetate	2.46	43	99849	53.206	ug/L 100
16) Methylene chloride	2.54	84	85525	54.616	ug/L 97
17) trans-1,2-Dichloroethene	2.79	96	76923	55.813	ug/L 98
18) Methyl tert-butyl Ether	2.81	73	281467	57.058	ug/L 100
19) 1,1-Dichloroethane	3.23	63	159510	56.116	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	89898	57.253	ug/L 93
22) 2-Butanone	4.02	43	154477	113.623	ug/L 100

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Quant Title : VOC Analysis
QLast Update : Tue Oct 30 07:40:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	41574	56.142	ug/L	97
25) Chloroform	4.43	83	158188	57.007	ug/L	97
27) 1,2-Dichloroethane	5.18	62	127567	55.039	ug/L	99
29) Cyclohexane	4.73	56	151579	56.027	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	137332	56.991	ug/L	99
31) Carbon tetrachloride	4.88	117	117345	57.384	ug/L	100
33) Benzene	5.15	78	339805	55.944	ug/L	100
34) Trichloroethene	5.96	95	87653	56.366	ug/L	98
35) Methylcyclohexane	6.18	83	152180	57.561	ug/L	100
37) 1,2-Dichloropropane	6.22	63	95441	56.895	ug/L	100
38) Bromodichloromethane	6.56	83	122490	57.302	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	150228	56.963	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	277368	111.657	ug/L	100
42) Toluene	7.43	91	357050	56.592	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	142759	57.860	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	84105	56.705	ug/L	99
46) Tetrachloroethene	8.02	164	60308	59.489	ug/L	98
48) 2-Hexanone	8.19	43	220919	115.254	ug/L	100
49) Dibromochloromethane	8.29	129	92212	57.853	ug/L	99
50) 1,2-Dibromoethane	8.40	107	88094	56.618	ug/L	99
51) Chlorobenzene	8.93	112	224101	57.686	ug/L	99
52) Ethylbenzene	9.06	91	407330	57.635	ug/L	99
53) m,p-Xylene	9.18	106	151302	58.599	ug/L	98
54) o-xylene	9.59	106	149363	57.931	ug/L	99
55) Styrene	9.61	104	259362	59.702	ug/L	98
56) Isopropylbenzene	9.98	105	401221	59.475	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	152621	58.753	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	123116	58.563	ug/L	100
61) Bromoform	9.78	173	65227	55.841	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	175848	57.455	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	176046	57.390	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	178778	57.281	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	34204	53.307	ug/L	99
67) 1,3,5-Trichlorobenzene	12.70	180	119030	59.559	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	94244	58.287	ug/L	99
69) Naphthalene	13.56	128	279224	53.404	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	92405	57.185	ug/L	99

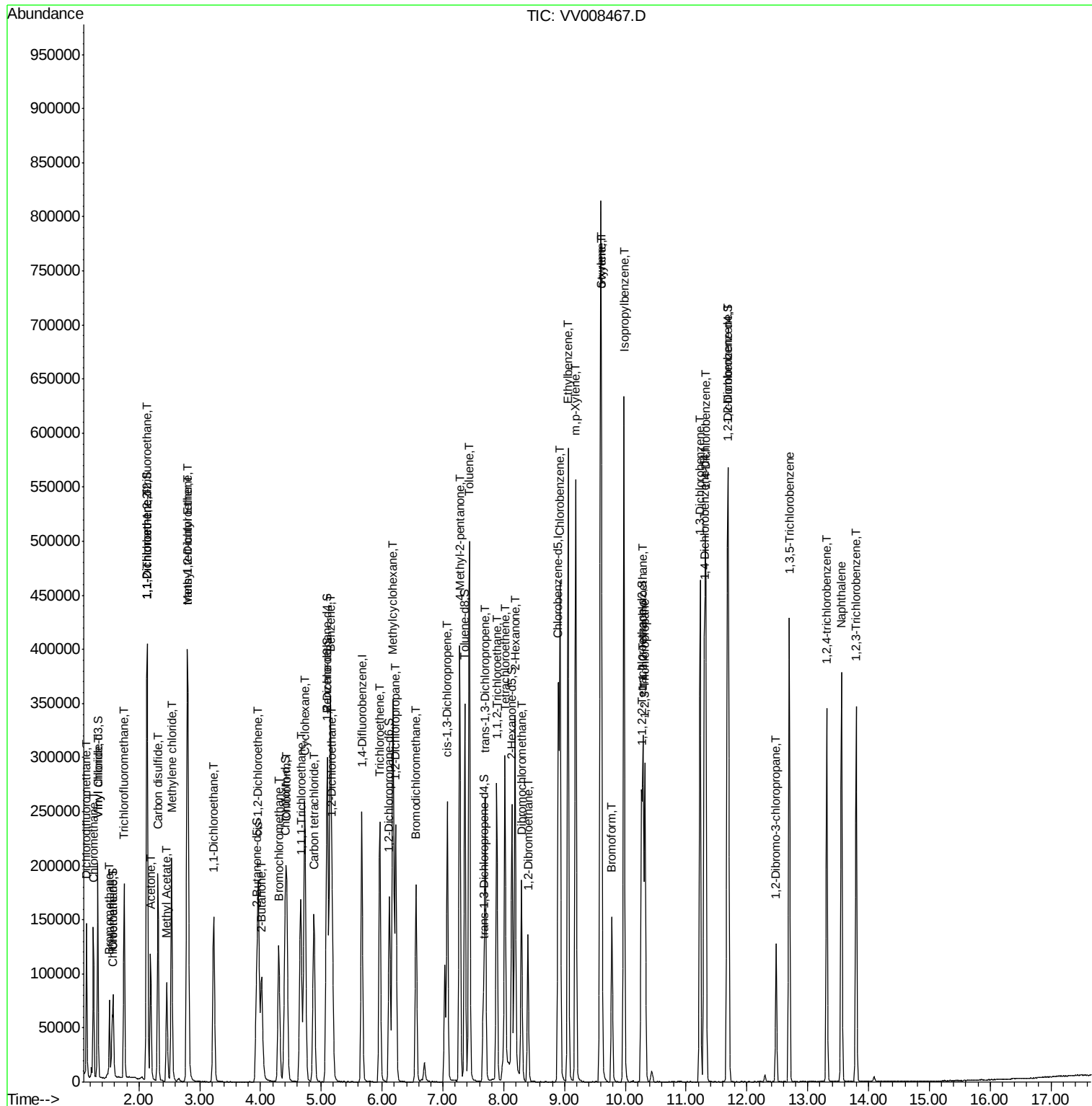
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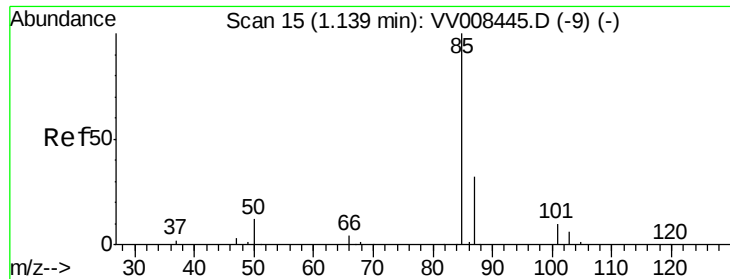
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#2

Dichlorodifluoromethane

Concen: 53.789 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_V

ClientSampleId :

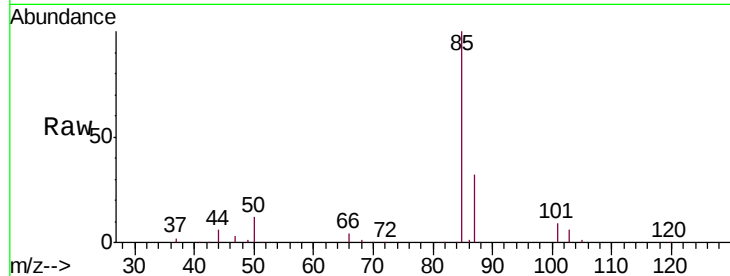
BFB53

Tgt Ion: 85 Resp: 77400

Ion Ratio Lower Upper

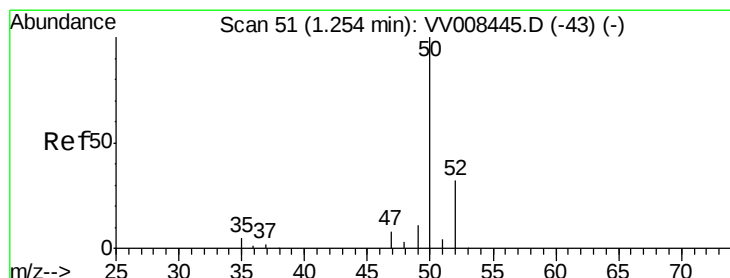
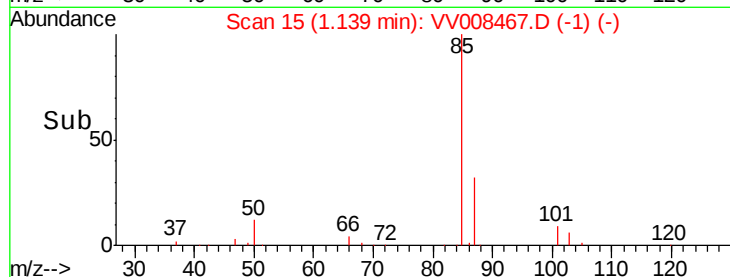
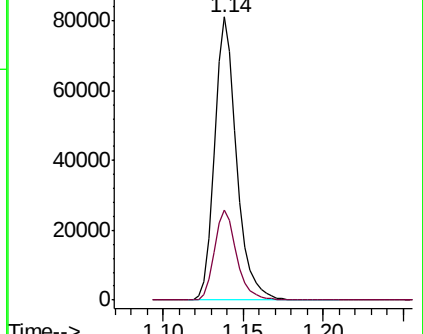
85 100

87 32.0 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV008445.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV008445.D (-9) (-)



#3

Chloromethane

Concen: 52.309 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV008467.D

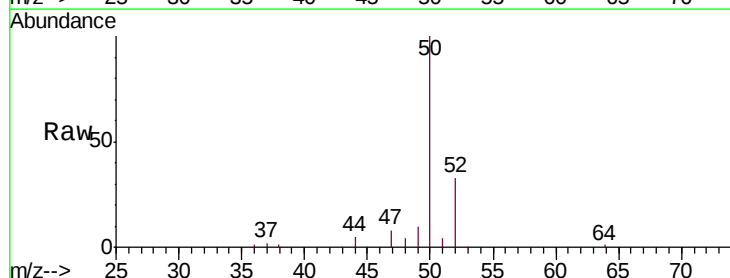
Acq: 30 Oct 2018 14:34

Tgt Ion: 50 Resp: 80630

Ion Ratio Lower Upper

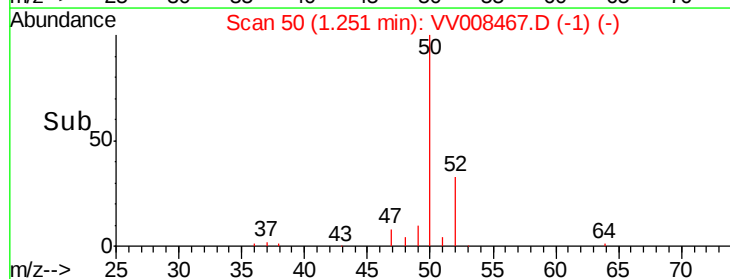
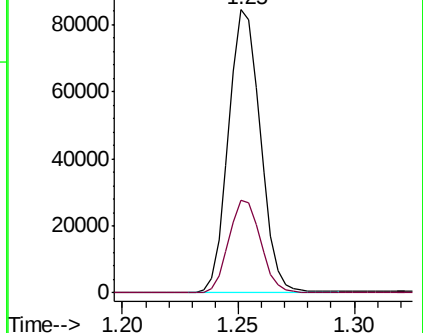
50 100

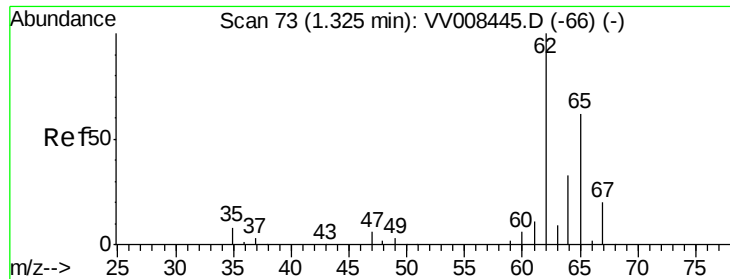
52 32.6 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV008445.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV008445.D (-43) (-)





#5

Vinyl chloride

Concen: 55.109 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_V

ClientSampleId :

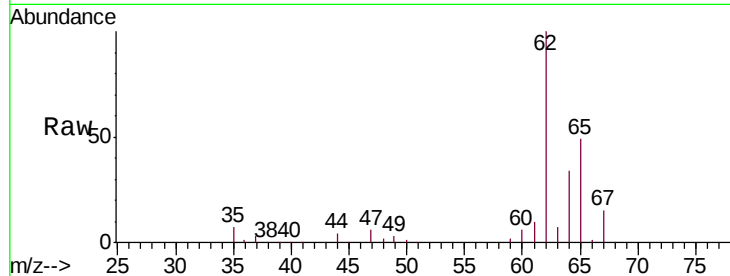
BFB53

Tgt Ion: 62 Resp: 78710

Ion Ratio Lower Upper

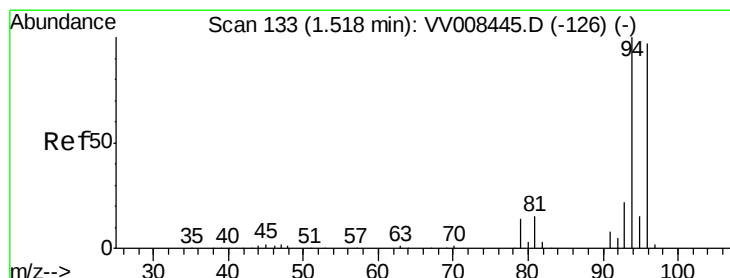
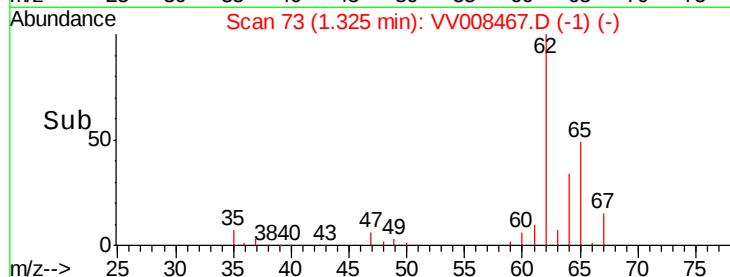
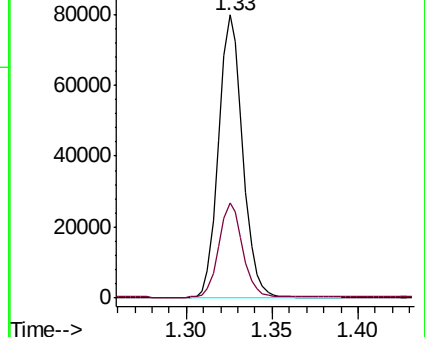
62 100

64 33.7 24.4 45.4



Abundance Ion 62.00 (61.70 to 62.70): VV008445.D (-66) (-)

Ion 64.00 (63.70 to 64.70): VV008445.D (-66) (-)



#6

Bromomethane

Concen: 53.104 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.00 min

Lab File: VV008467.D

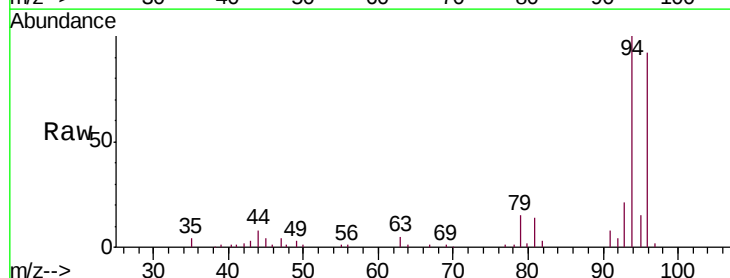
Acq: 30 Oct 2018 14:34

Tgt Ion: 94 Resp: 20811

Ion Ratio Lower Upper

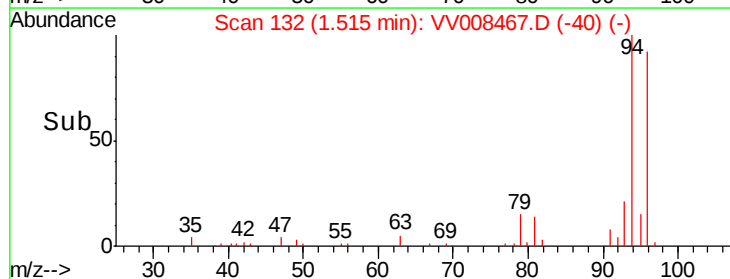
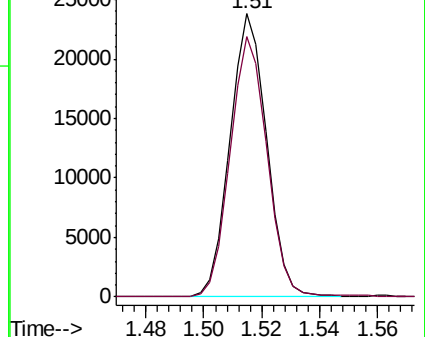
94 100

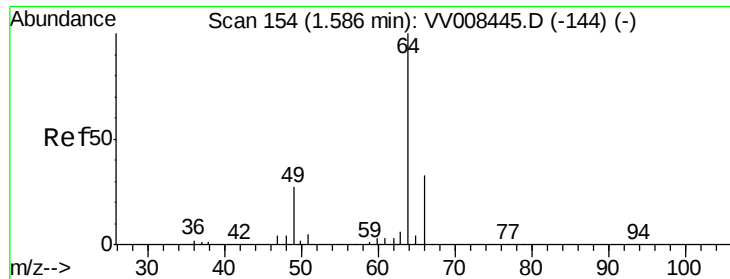
96 92.0 63.8 118.6



Abundance Ion 94.00 (93.70 to 94.70): VV008445.D (-126) (-)

Ion 96.00 (95.70 to 96.70): VV008445.D (-126) (-)





#8

Chloroethane

Concen: 57.251 ug/L

RT: 1.58 min Scan# 152

Delta R.T. -0.01 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_V

ClientSampleId :

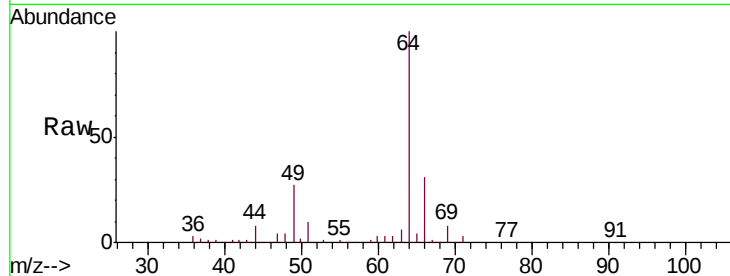
BFB53

Tgt Ion: 64 Resp: 42958

Ion Ratio Lower Upper

64 100

66 31.4 19.9 36.9



Abundance Ion 64.00 (63.70 to 64.70): VV008445.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VV008445.D (-144) (-)

1.58

30000

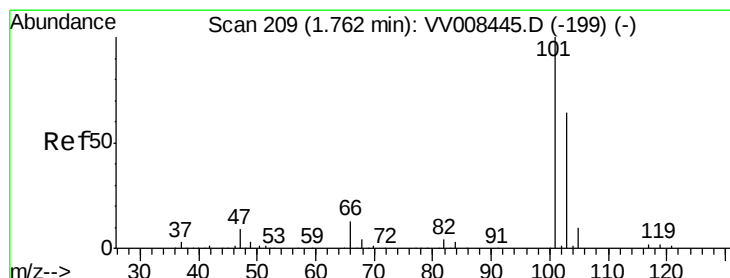
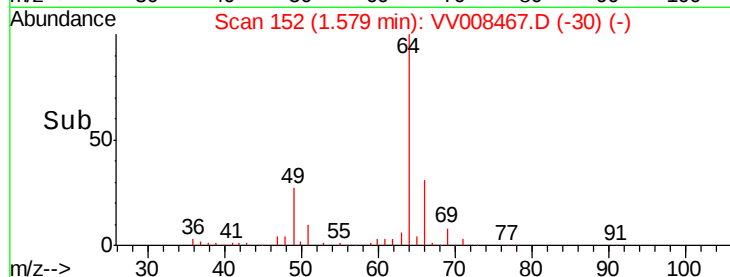
20000

10000

0

Time-->

1.50 1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 56.072 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV008467.D

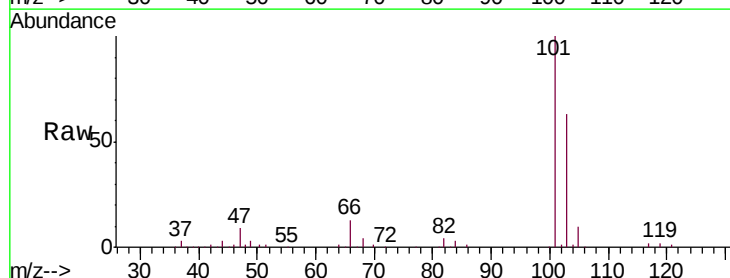
Acq: 30 Oct 2018 14:34

Tgt Ion: 101 Resp: 103068

Ion Ratio Lower Upper

101 100

103 64.2 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VV008445.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV008445.D (-199) (-)

1.76

80000

60000

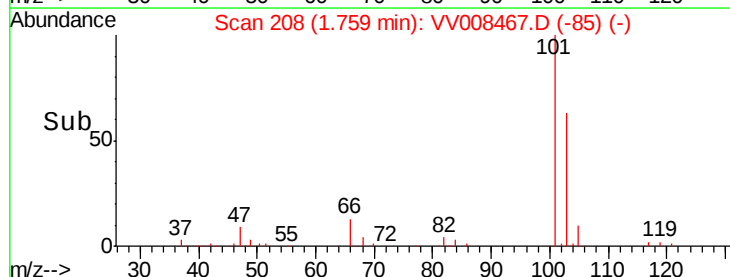
40000

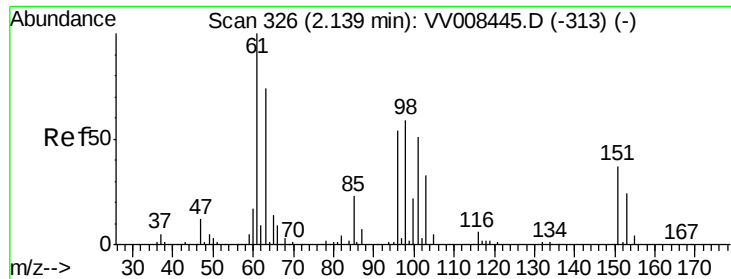
20000

0

Time-->

1.70 1.75 1.80





#10

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

Concen: 59.209 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_V

ClientSampleId :

BFB53

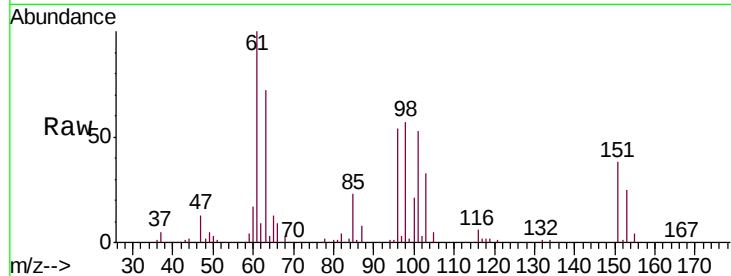
Tgt Ion:101 Resp: 56859

Ion Ratio Lower Upper

101 100

85 44.2 35.6 53.4

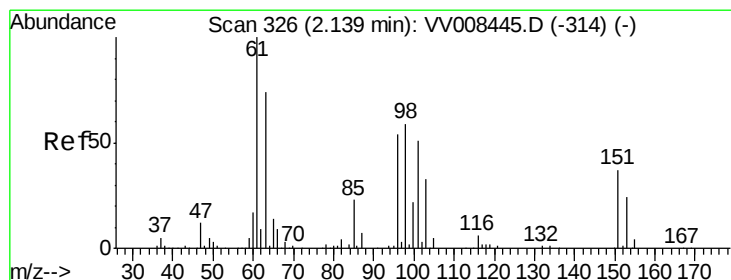
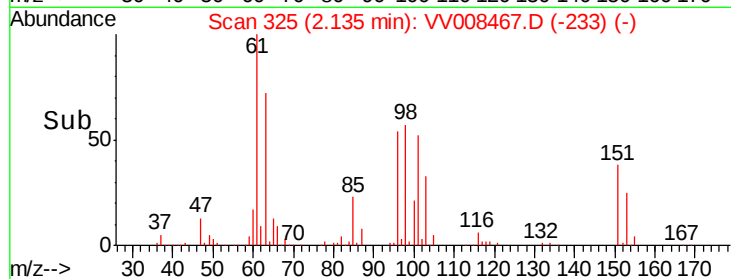
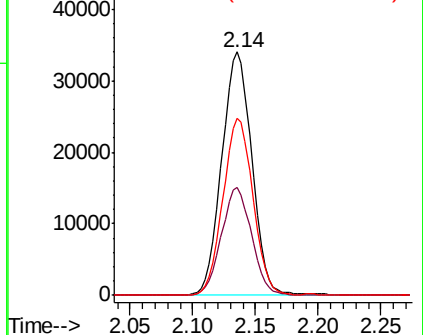
151 72.2 58.1 87.1



Abundance Ion 101.00 (100.70 to 101.70): VV008445.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV008445.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV008445.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 55.186 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

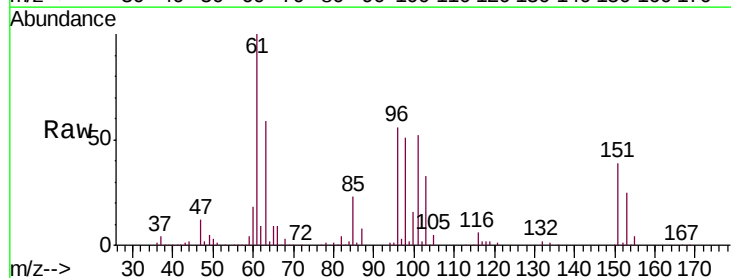
Tgt Ion: 96 Resp: 49897

Ion Ratio Lower Upper

96 100

61 178.3 130.3 242.1

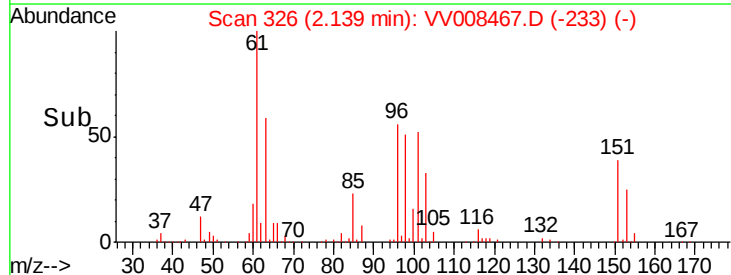
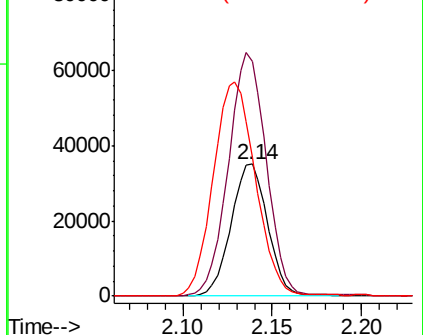
63 105.3 84.4 156.8

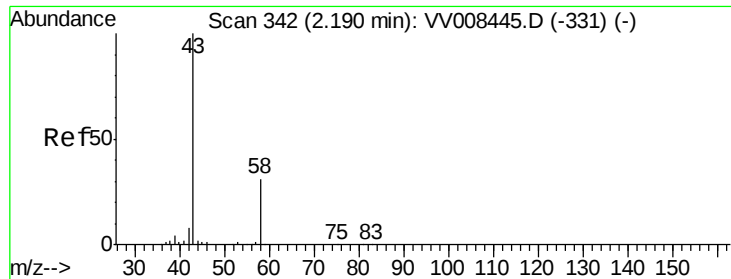


Abundance Ion 96.00 (95.70 to 96.70): VV008445.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV008445.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV008445.D (-314) (-)





#13

Acetone

Concen: 118.962 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_V

ClientSampled :

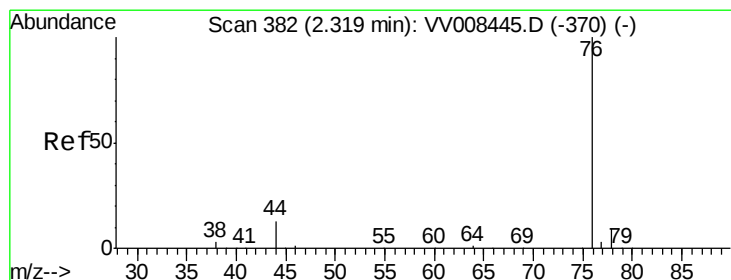
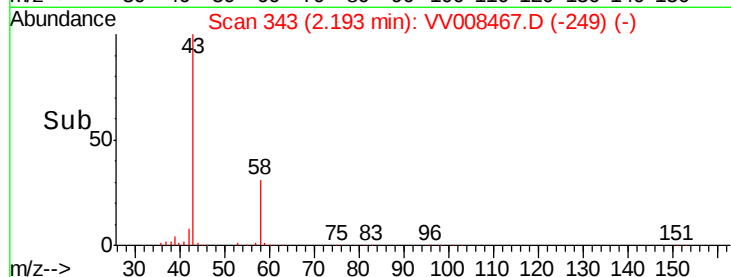
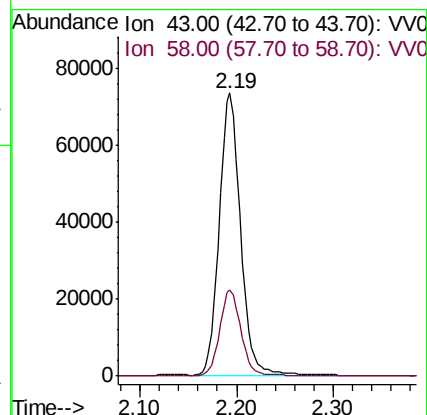
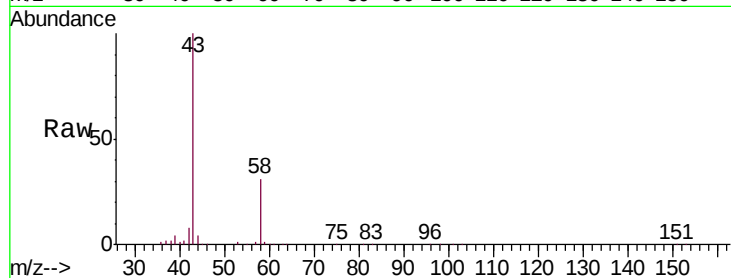
BFB53

Tgt Ion: 43 Resp: 111952

Ion Ratio Lower Upper

43 100

58 30.4 0.0 61.4



#14

Carbon disulfide

Concen: 52.688 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV008467.D

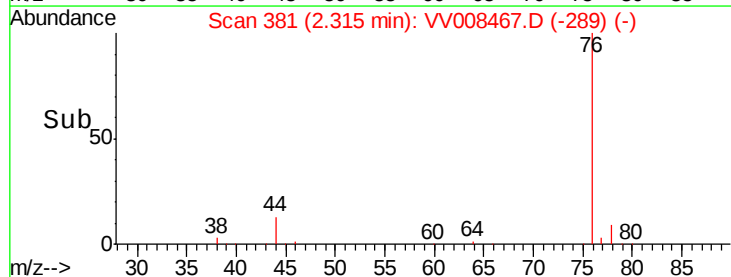
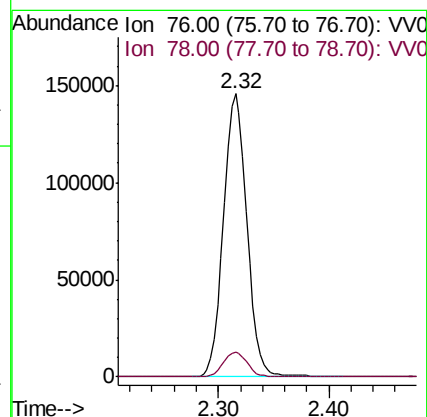
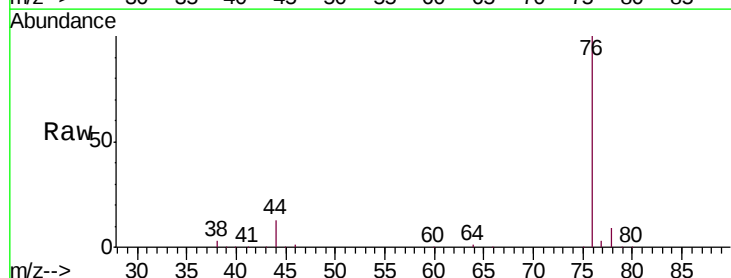
Acq: 30 Oct 2018 14:34

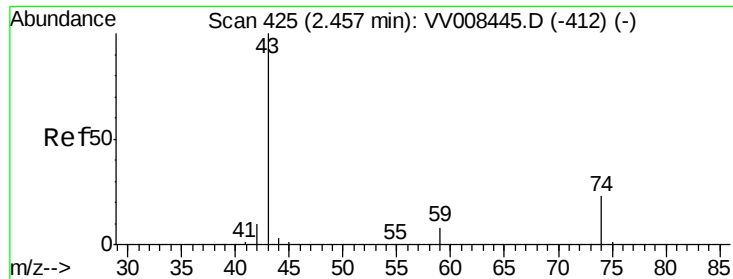
Tgt Ion: 76 Resp: 214562

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9

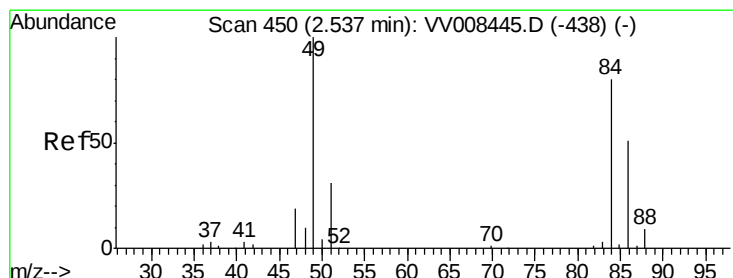
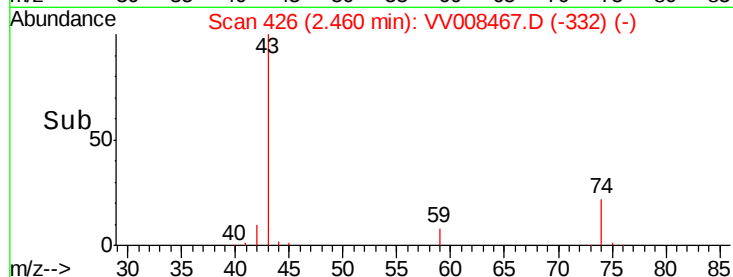
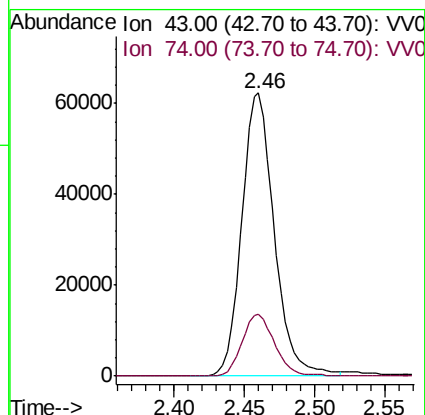
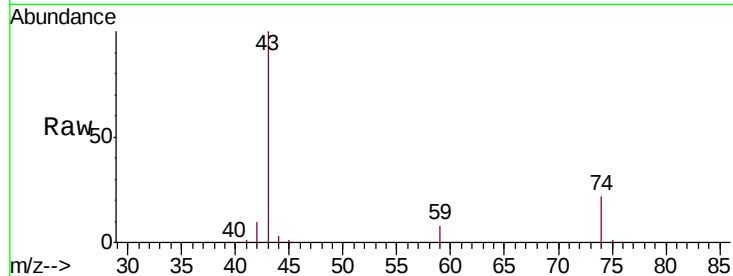




#15
Methyl Acetate
Concen: 53.206 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV008467.D
Acq: 30 Oct 2018 14:34

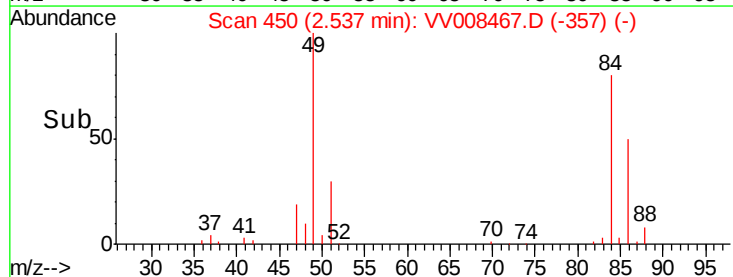
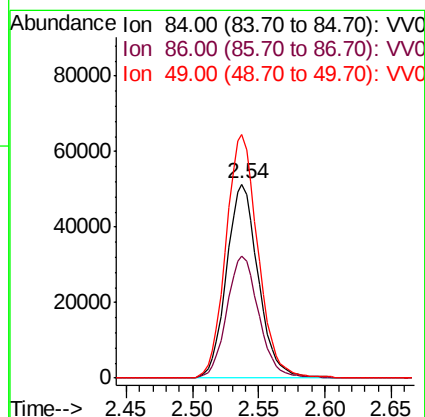
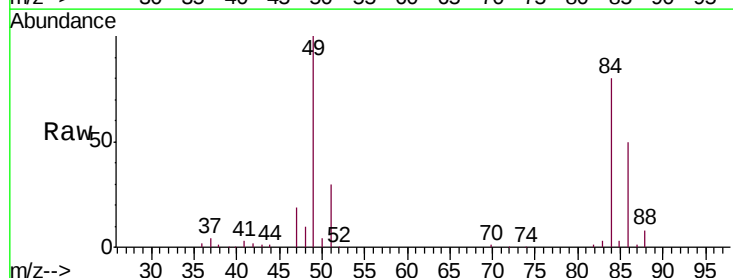
Instrument :
MSVOA_V
ClientSampleId :
BFB53

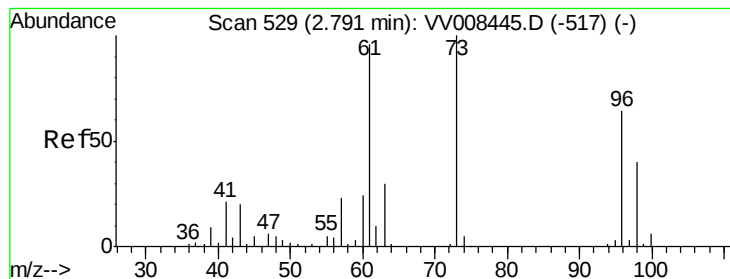
Tgt Ion: 43 Resp: 99849
Ion Ratio Lower Upper
43 100
74 22.1 17.8 26.6



#16
Methylene chloride
Concen: 54.616 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV008467.D
Acq: 30 Oct 2018 14:34

Tgt Ion: 84 Resp: 85525
Ion Ratio Lower Upper
84 100
86 62.9 45.6 84.6
49 125.3 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 55.813 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_V

ClientSampled :

BFB53

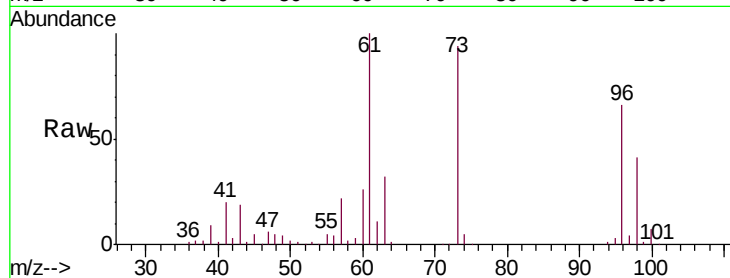
Tgt Ion: 96 Resp: 76923

Ion Ratio Lower Upper

96 100

61 152.0 108.6 201.6

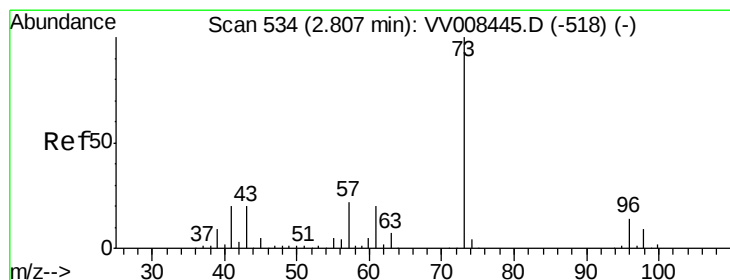
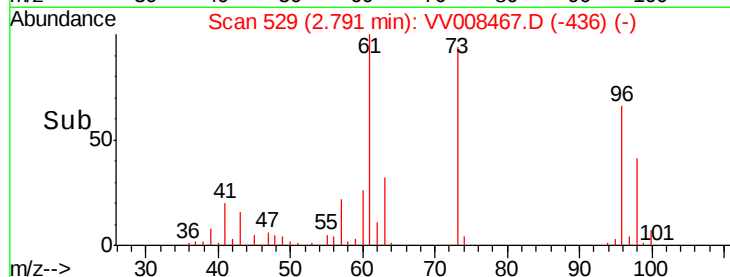
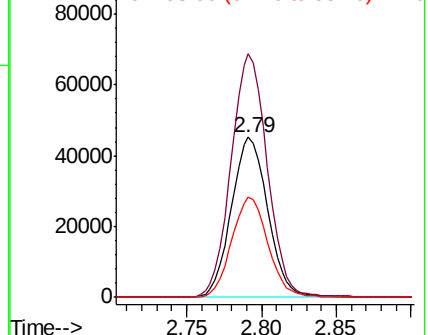
98 62.8 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VV008445.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV008445.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV008445.D (-517) (-)



#18

Methyl tert-butyl Ether

Concen: 57.058 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

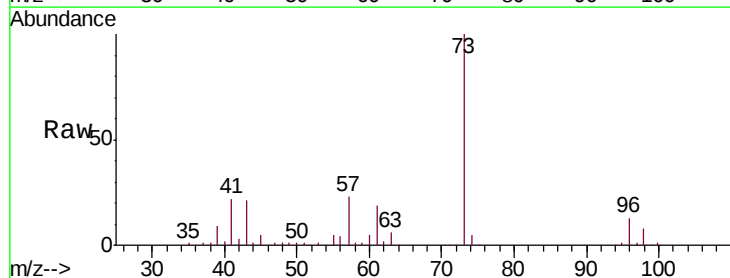
Tgt Ion: 73 Resp: 281467

Ion Ratio Lower Upper

73 100

43 19.9 16.2 24.4

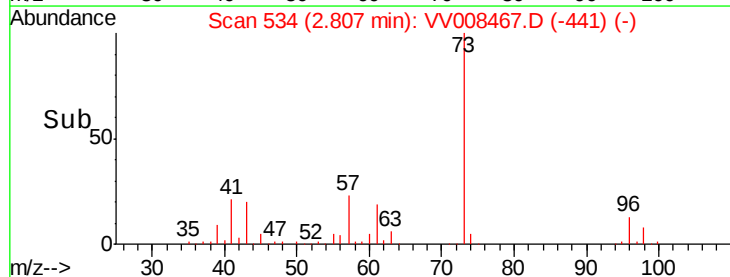
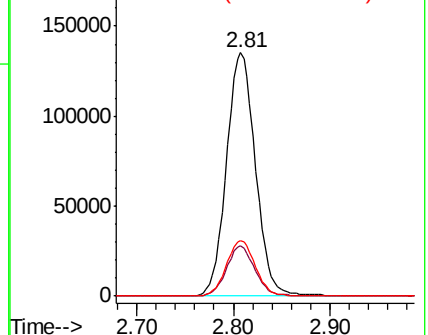
57 22.8 18.2 27.2

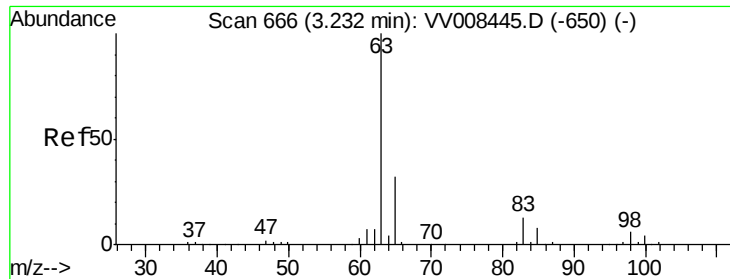


Abundance Ion 73.00 (72.70 to 73.70): VV008445.D (-518) (-)

Ion 43.00 (42.70 to 43.70): VV008445.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VV008445.D (-518) (-)

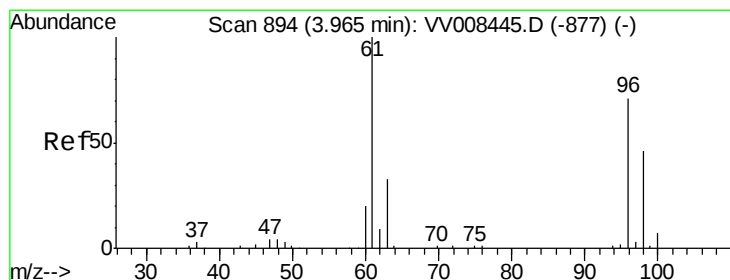
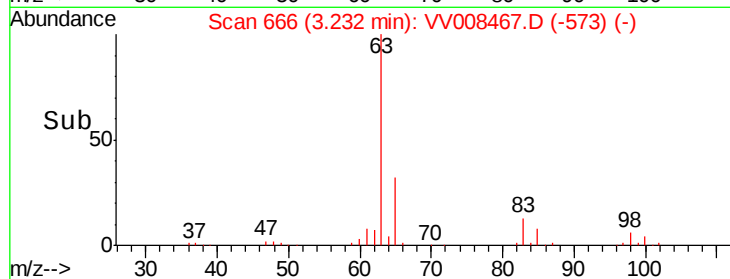
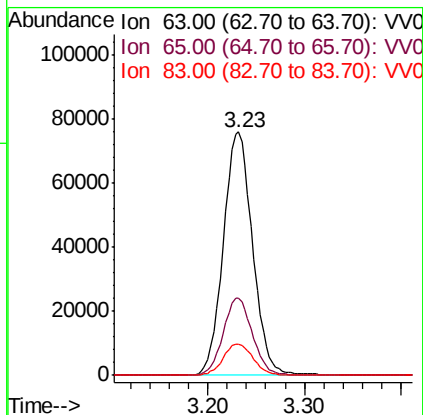
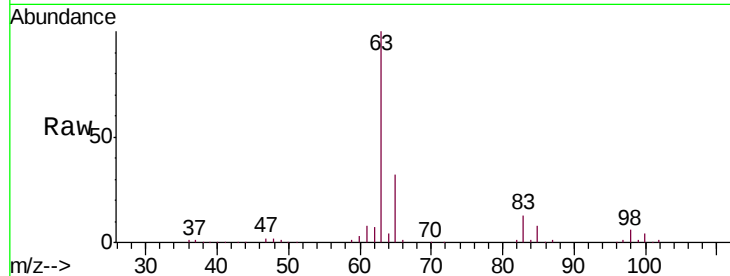




#19
 1,1-Dichloroethane
 Concen: 56.116 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV008467.D
 Acq: 30 Oct 2018 14:34

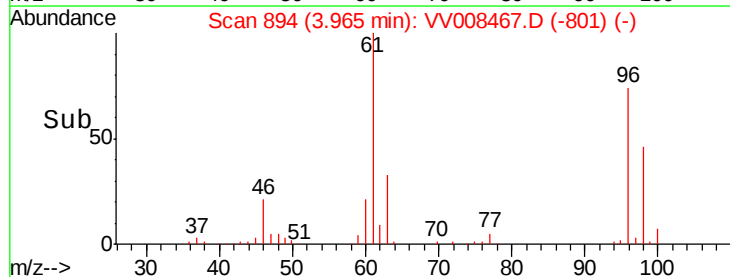
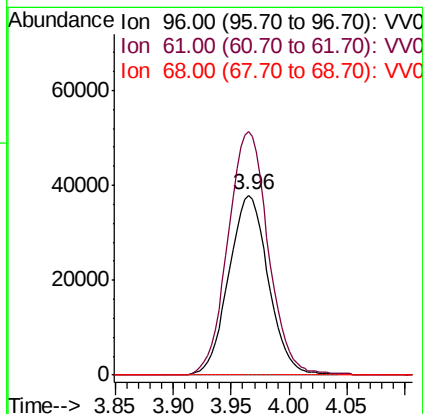
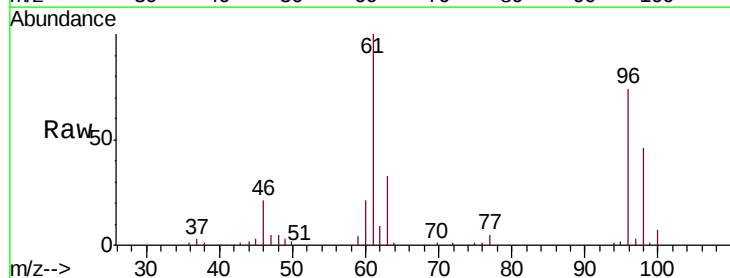
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB53

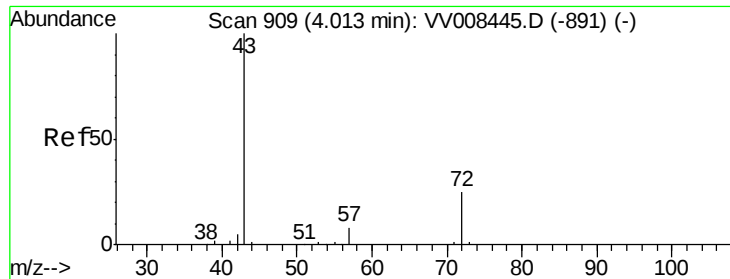
Tgt Ion: 63 Resp: 159510
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.0 40.8
 83 12.9 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 57.253 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VV008467.D
 Acq: 30 Oct 2018 14:34

Tgt Ion: 96 Resp: 89898
 Ion Ratio Lower Upper
 96 100
 61 135.1 100.9 187.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 113.623 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_V

ClientSampleId :

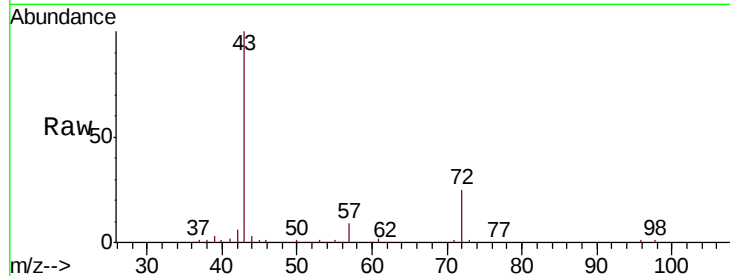
BFB53

Tgt Ion: 43 Resp: 154477

Ion Ratio Lower Upper

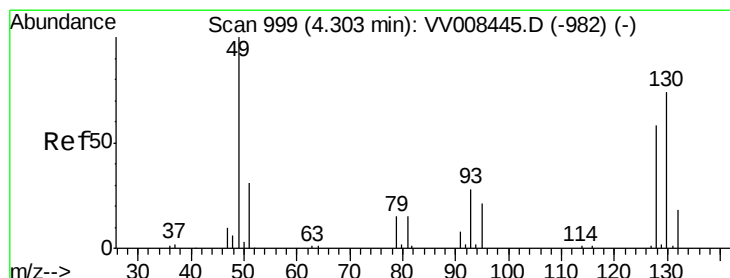
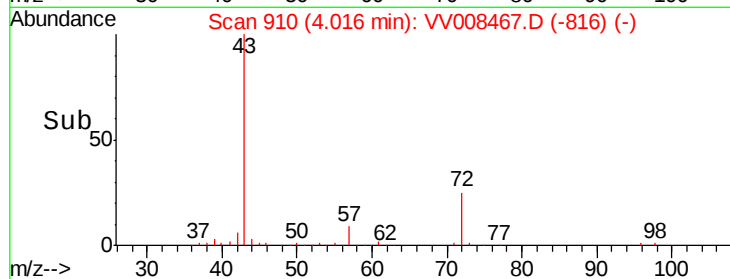
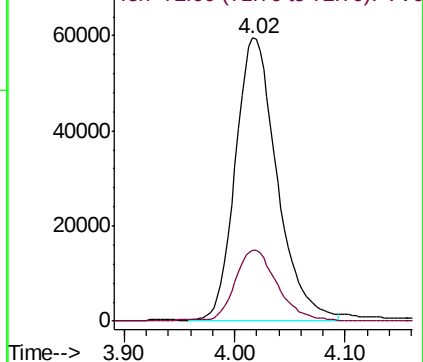
43 100

72 26.0 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV008445.D (-891) (-)

Ion 72.00 (71.70 to 72.70): VV008445.D (-891) (-)



#23

Bromochloromethane

Concen: 56.142 ug/L

RT: 4.30 min Scan# 998

Delta R.T. -0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

Tgt Ion: 128 Resp: 41574

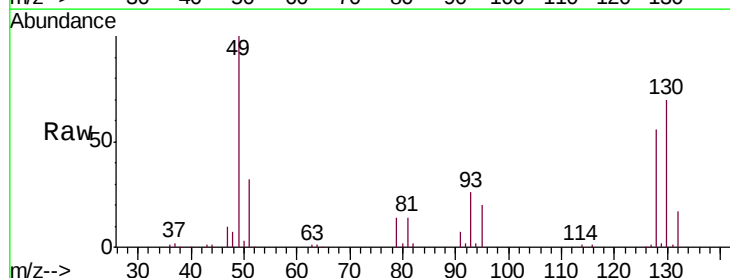
Ion Ratio Lower Upper

128 100

49 178.1 128.0 237.8

130 125.0 89.2 165.8

51 57.4 46.8 70.2

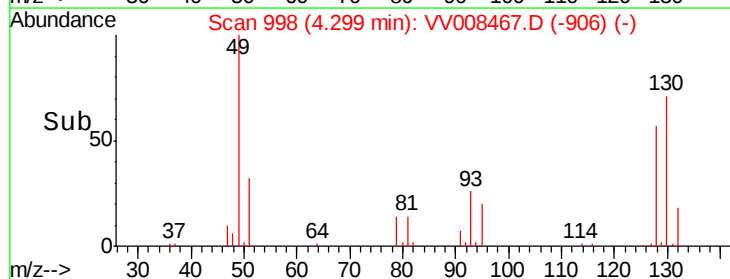
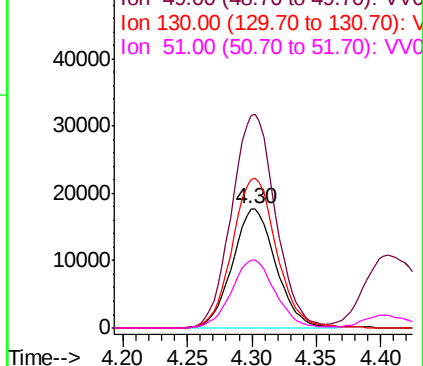


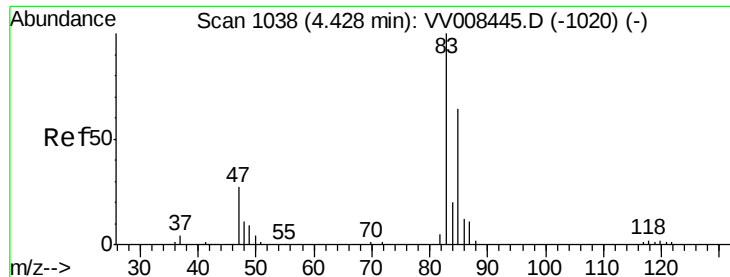
Abundance Ion 128.00 (127.70 to 128.70): VV008445.D (-982) (-)

Ion 49.00 (48.70 to 49.70): VV008445.D (-982) (-)

Ion 130.00 (129.70 to 130.70): VV008445.D (-982) (-)

Ion 51.00 (50.70 to 51.70): VV008445.D (-982) (-)

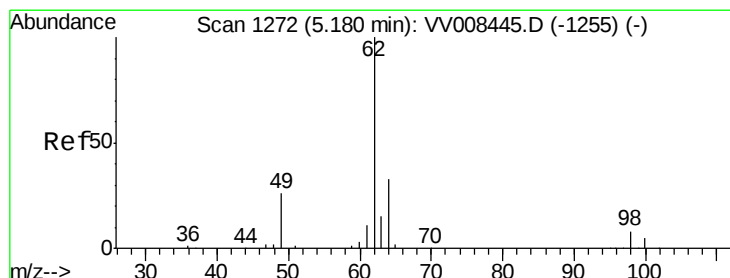
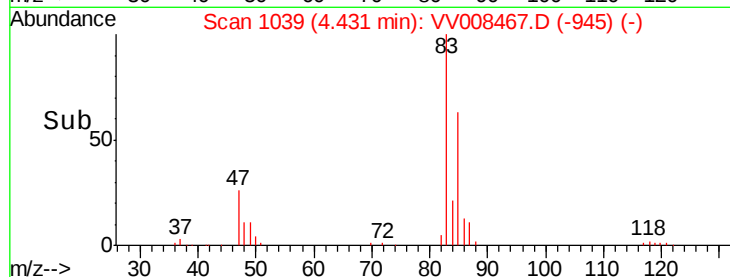
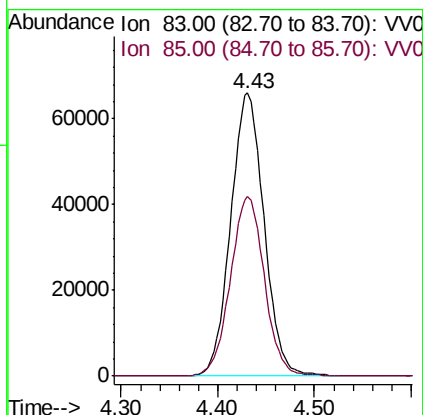
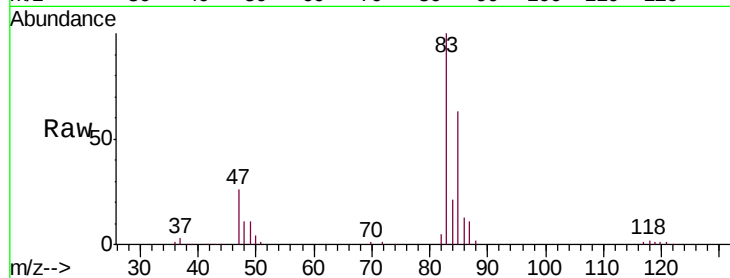




#25
Chloroform
Concen: 57.007 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008467.D
Acq: 30 Oct 2018 14:34

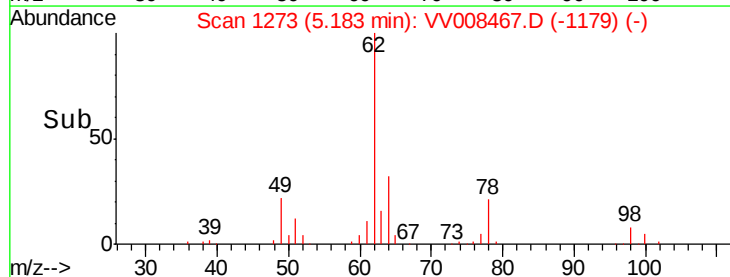
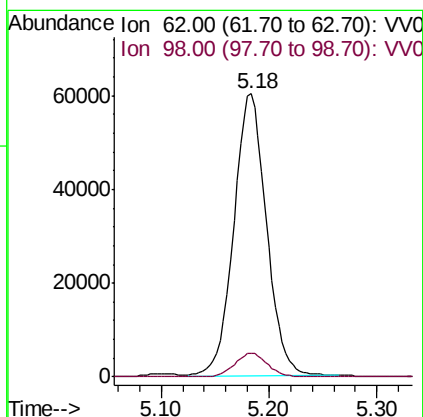
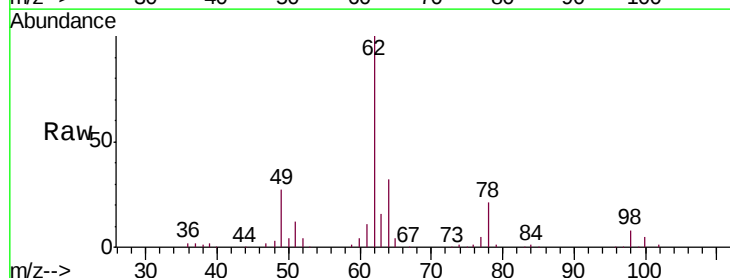
Instrument :
MSVOA_V
ClientSampled :
BFB53

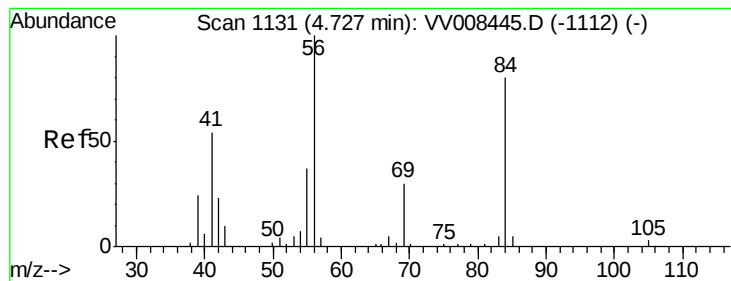
Tgt Ion: 83 Resp: 158188
Ion Ratio Lower Upper
83 100
85 63.3 45.8 85.2



#27
1,2-Dichloroethane
Concen: 55.039 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV008467.D
Acq: 30 Oct 2018 14:34

Tgt Ion: 62 Resp: 127567
Ion Ratio Lower Upper
62 100
98 8.4 6.6 9.8





#29

Cyclohexane

Concen: 56.027 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_V

ClientSampleId :

BFB53

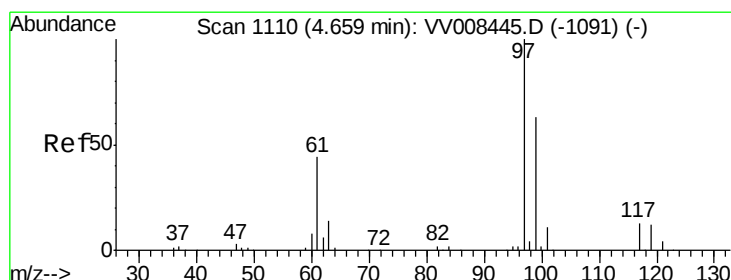
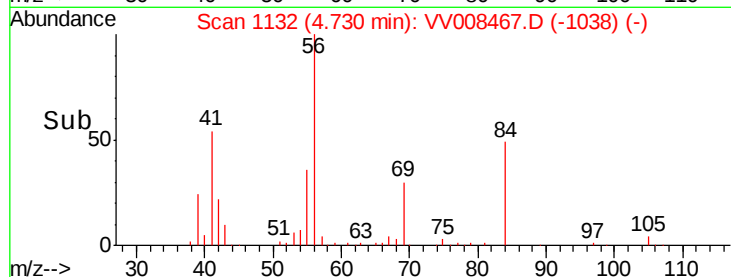
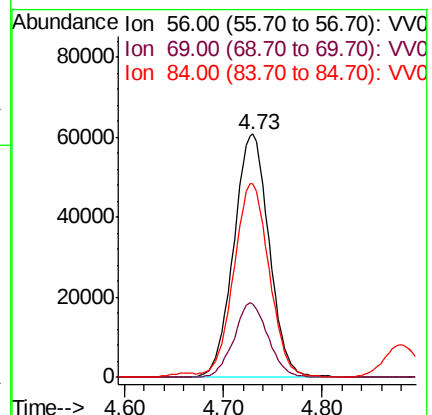
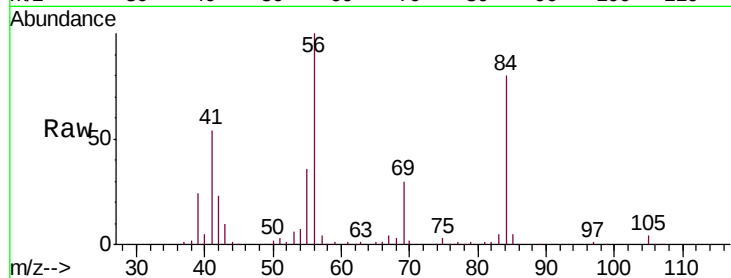
Tgt Ion: 56 Resp: 151579

Ion Ratio Lower Upper

56 100

69 29.5 24.6 37.0

84 79.5 65.0 97.4



#30

1,1,1-Trichloroethane

Concen: 56.991 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

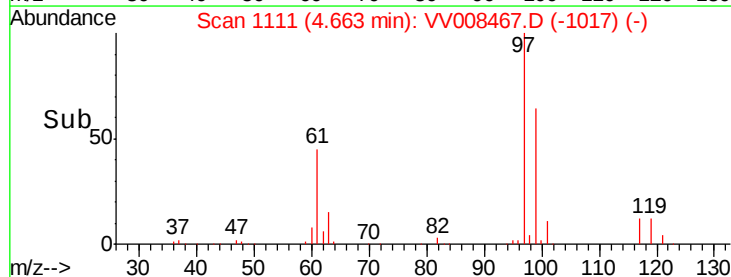
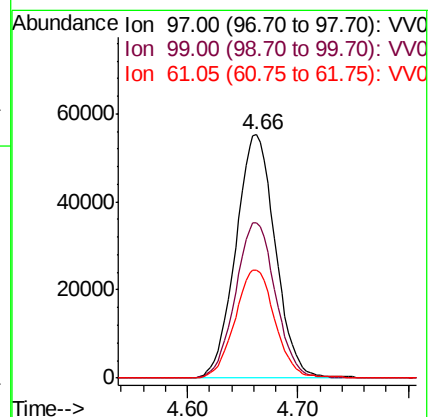
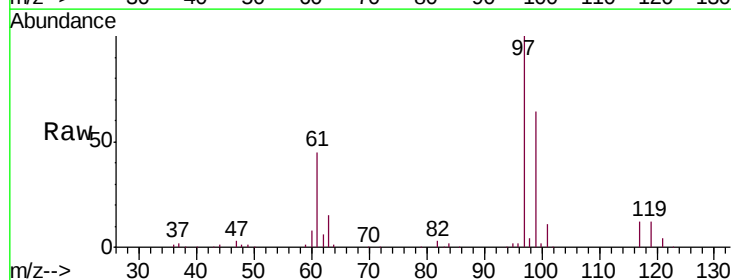
Tgt Ion: 97 Resp: 137332

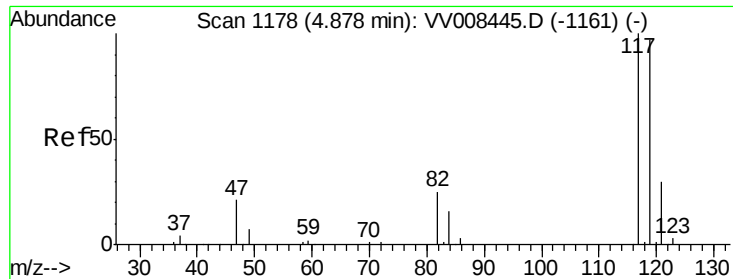
Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

61 44.7 36.5 54.7





#31

Carbon tetrachloride

Concen: 57.384 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_V

ClientSampled :

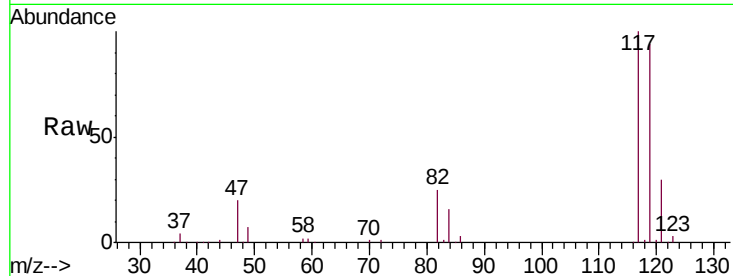
BFB53

Tgt Ion:117 Resp: 117345

Ion Ratio Lower Upper

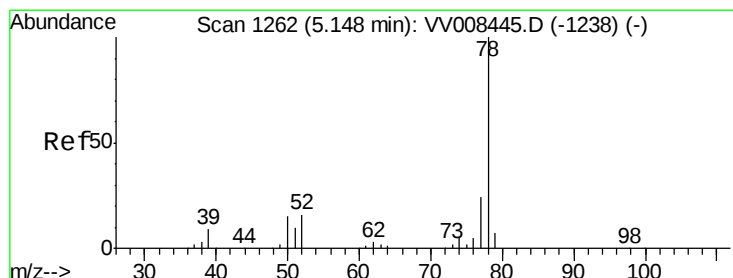
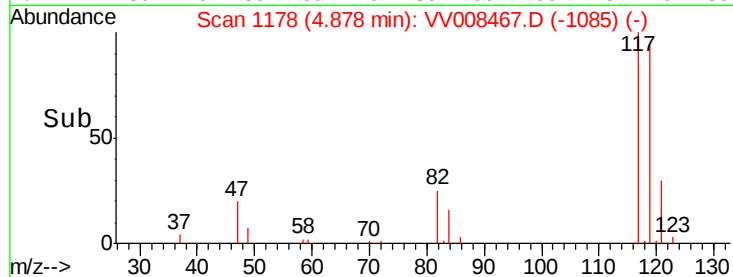
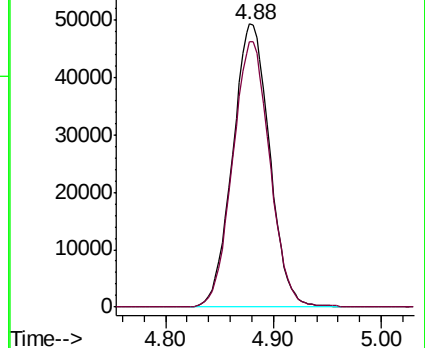
117 100

119 94.6 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 55.944 ug/L

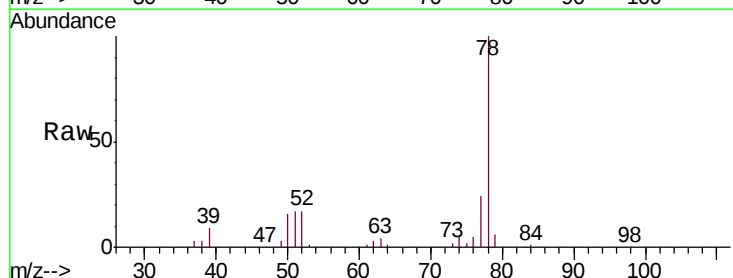
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

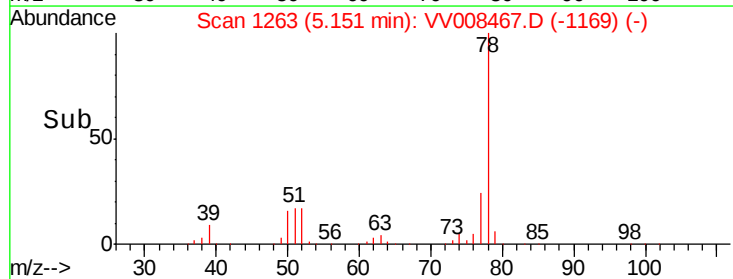
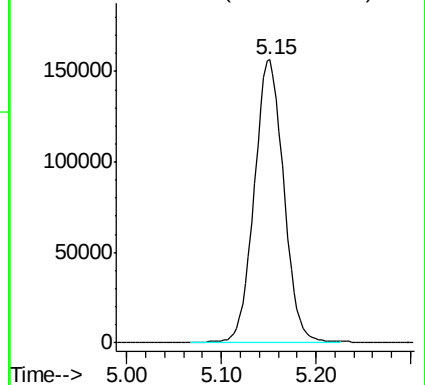
Lab File: VV008467.D

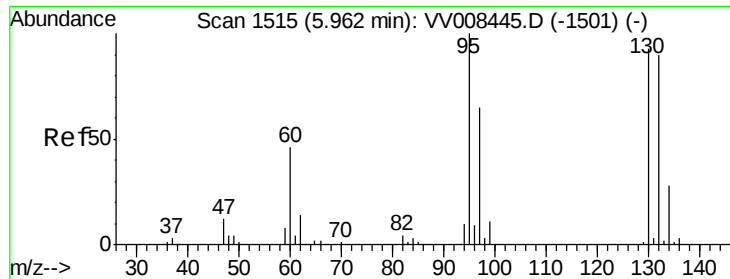
Acq: 30 Oct 2018 14:34

Tgt Ion: 78 Resp: 339805



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 56.366 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_V

ClientSampleId :

BFB53

Tgt Ion: 95 Resp: 87653

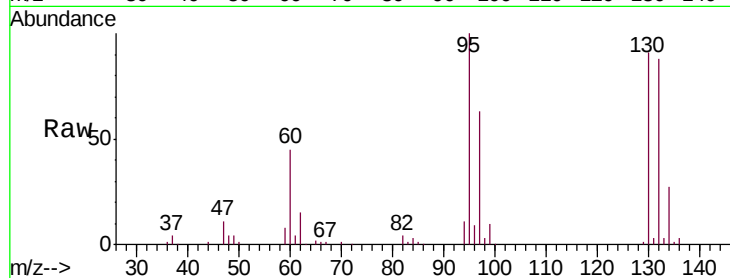
Ion Ratio Lower Upper

95 100

97 62.8 45.2 84.0

132 87.8 63.8 118.6

130 91.0 64.7 120.1

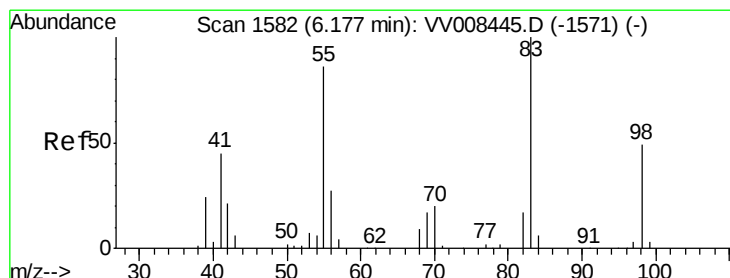
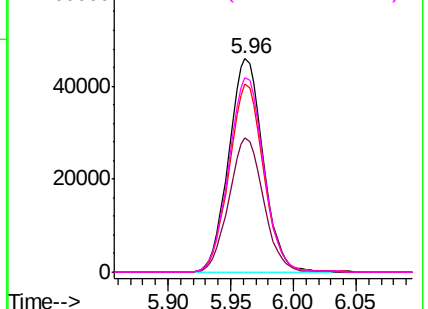
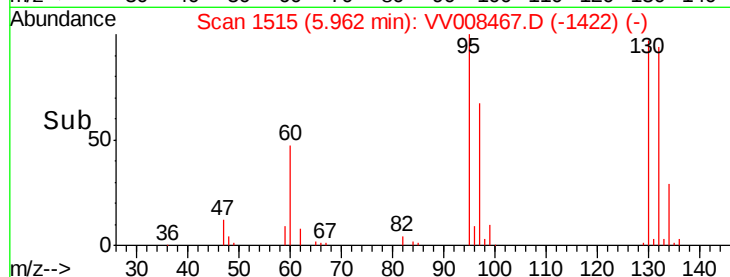


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 57.561 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

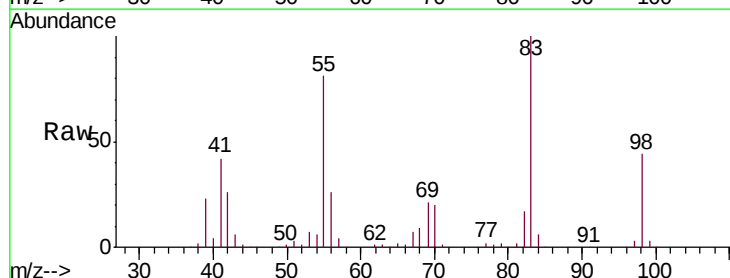
Tgt Ion: 83 Resp: 152180

Ion Ratio Lower Upper

83 100

55 81.5 65.0 97.4

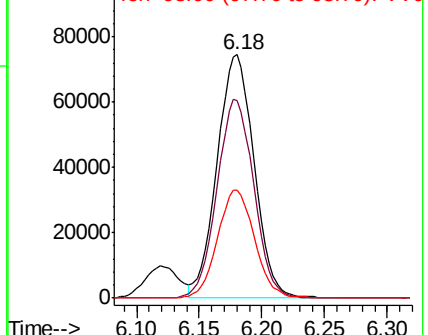
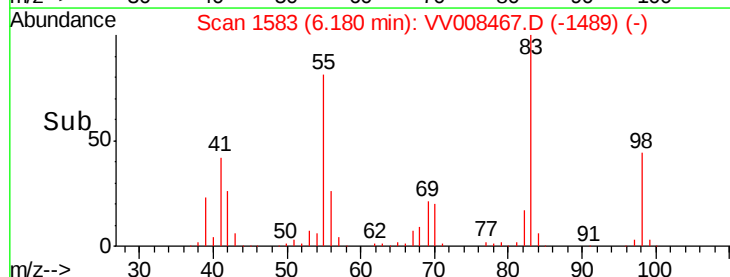
98 44.8 36.0 54.0

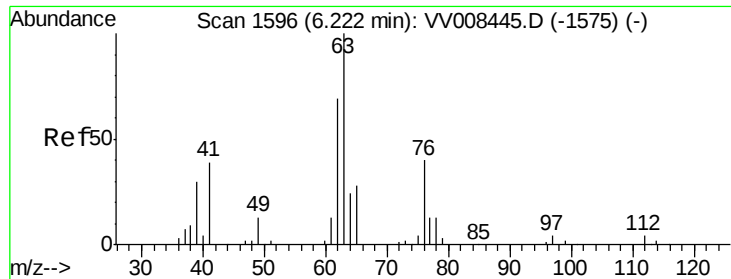


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

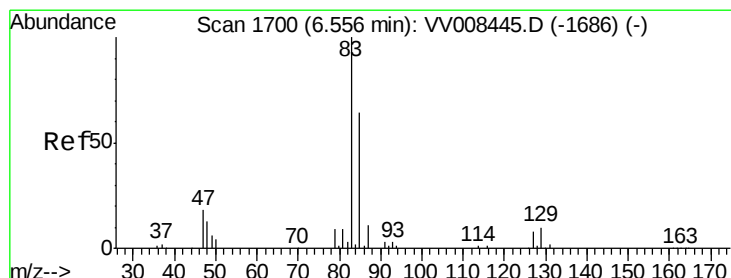
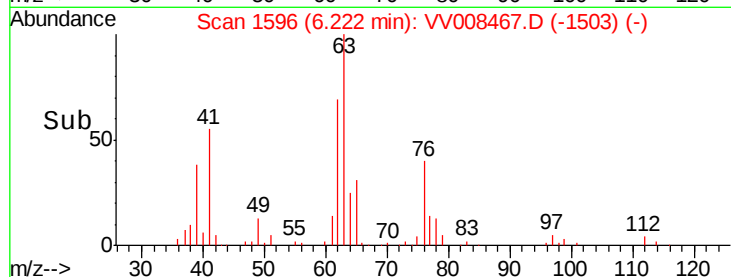
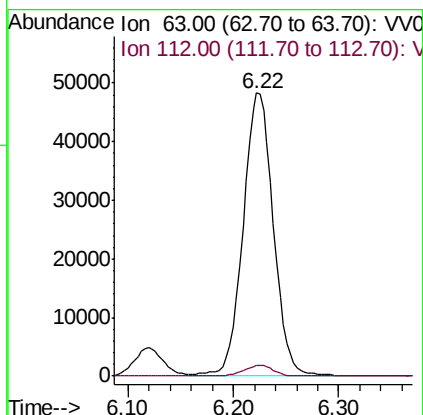
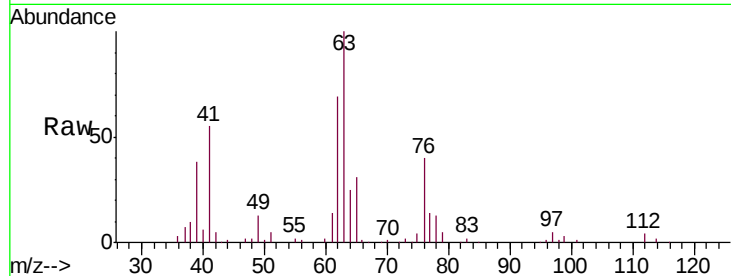




#37
 1,2-Dichloropropane
 Concen: 56.895 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV008467.D
 Acq: 30 Oct 2018 14:34

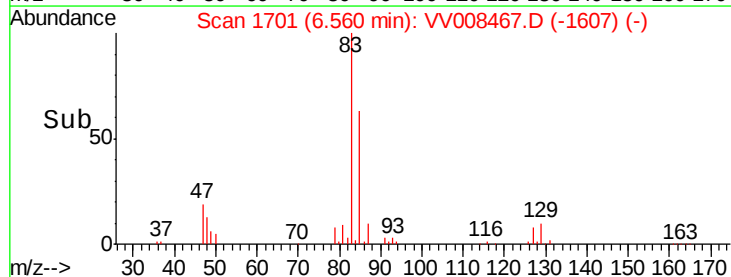
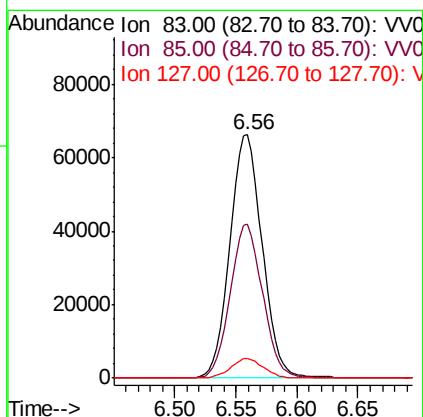
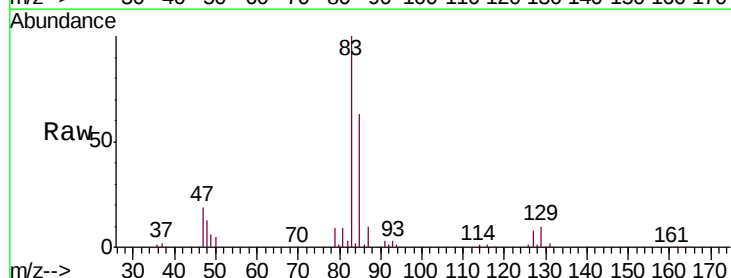
Instrument :
 MSVOA_V
 ClientSampled :
 BFB53

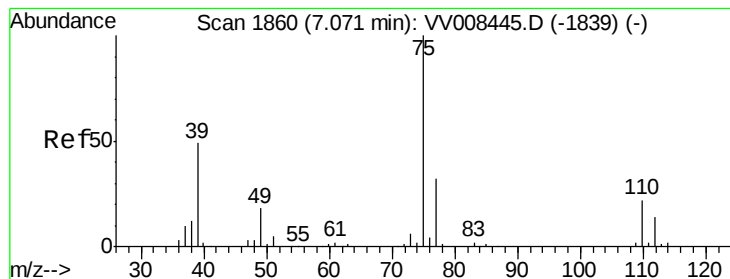
Tgt Ion: 63 Resp: 95441
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.9 4.3



#38
 Bromodichloromethane
 Concen: 57.302 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008467.D
 Acq: 30 Oct 2018 14:34

Tgt Ion: 83 Resp: 122490
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.3 82.3
 127 8.1 6.3 9.5



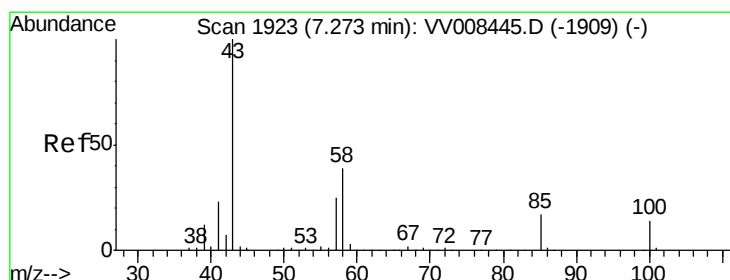
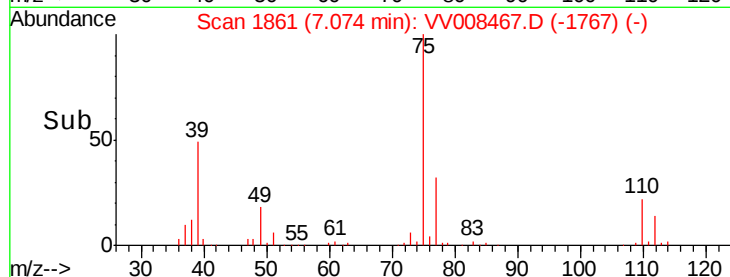
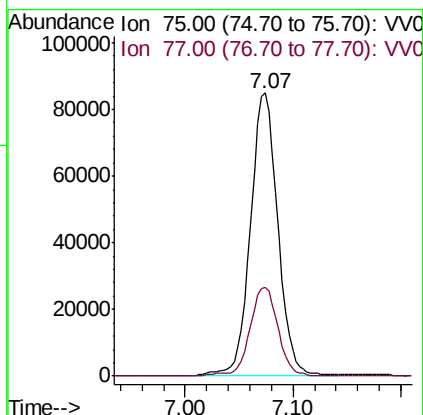
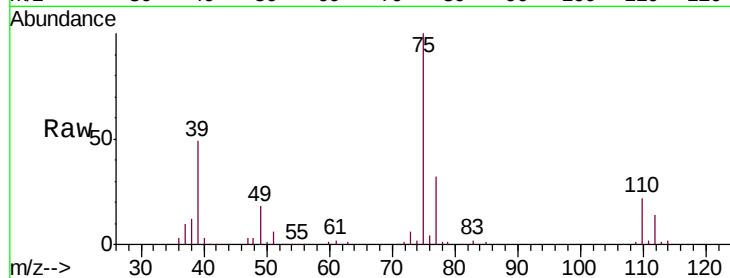


#39

cis-1,3-Dichloropropene
 Concen: 56.963 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008467.D
 Acq: 30 Oct 2018 14:34

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB53

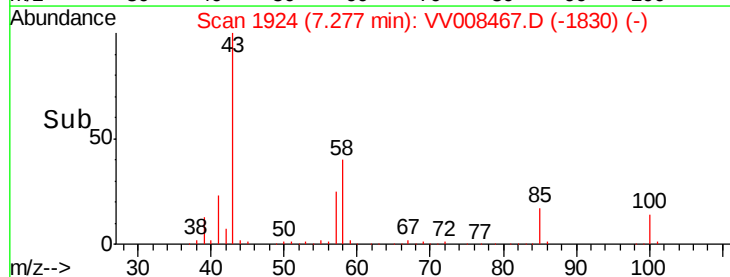
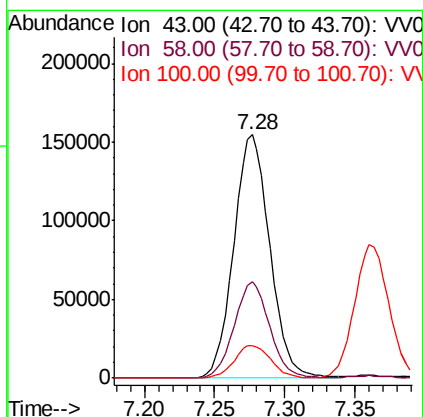
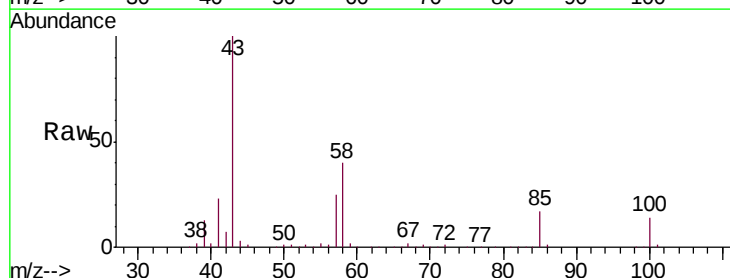
Tgt Ion: 75 Resp: 150228
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.6 42.0

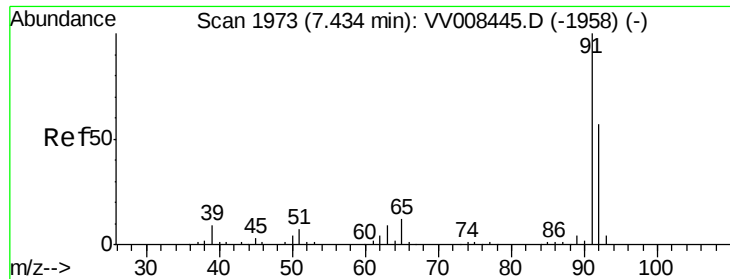


#40

4-Methyl-2-pentanone
 Concen: 111.657 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV008467.D
 Acq: 30 Oct 2018 14:34

Tgt Ion: 43 Resp: 277368
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.9 46.3
 100 13.7 10.9 16.3





#42

Toluene

Concen: 56.592 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_V

ClientSampleId :

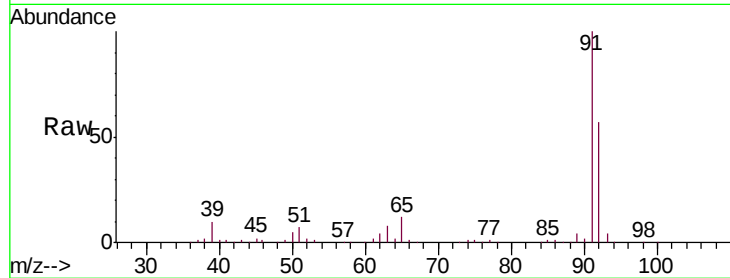
BFB53

Tgt Ion: 91 Resp: 357050

Ion Ratio Lower Upper

91 100

92 57.2 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VV008445.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV008445.D (-1958) (-)

7.43

250000

200000

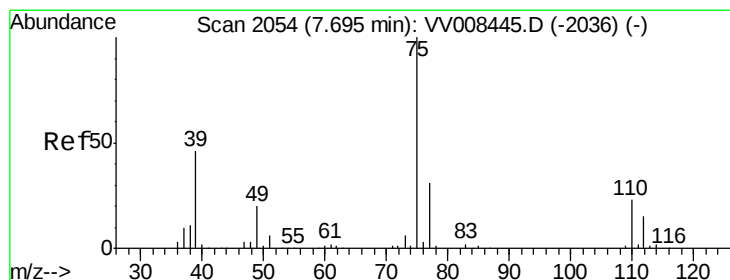
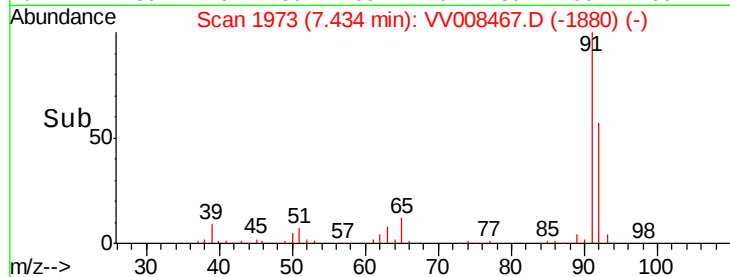
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 57.860 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV008467.D

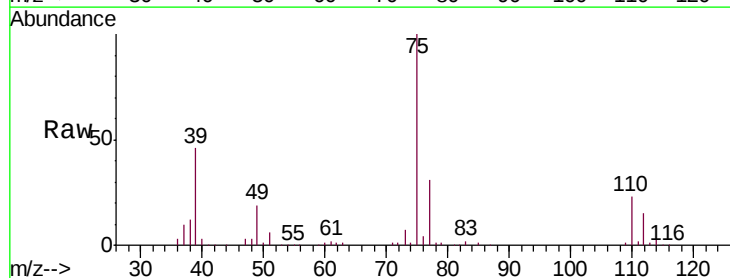
Acq: 30 Oct 2018 14:34

Tgt Ion: 75 Resp: 142759

Ion Ratio Lower Upper

75 100

77 30.6 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV008445.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV008445.D (-2036) (-)

7.69

100000

80000

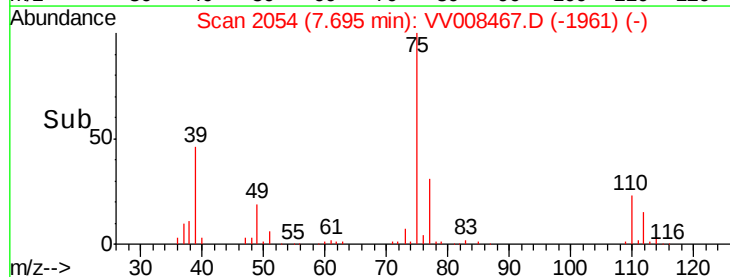
60000

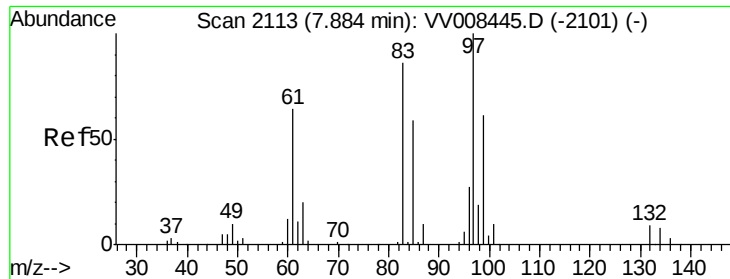
40000

20000

0

Time-->

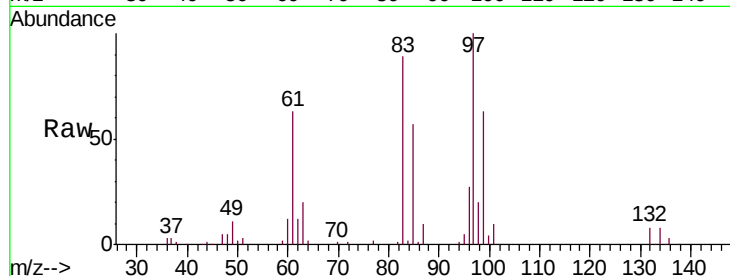




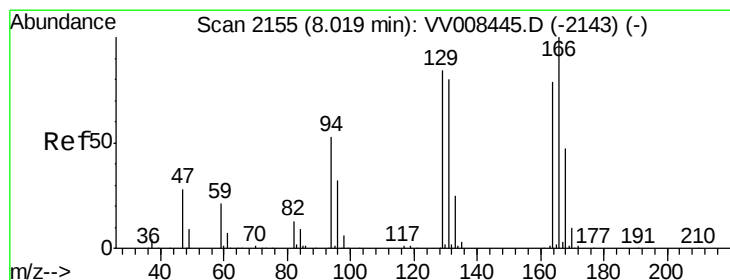
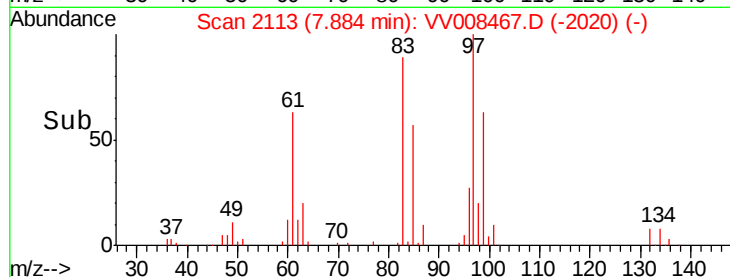
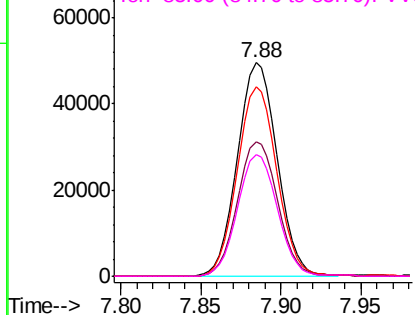
#45
 1,1,2-Trichloroethane
 Concen: 56.705 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV008467.D
 Acq: 30 Oct 2018 14:34

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB53

Tgt Ion:	97	Resp:	84105
Ion	Ratio	Lower	Upper
97	100		
99	63.1	43.3	80.3
83	88.9	61.9	114.9
85	57.2	40.9	75.9

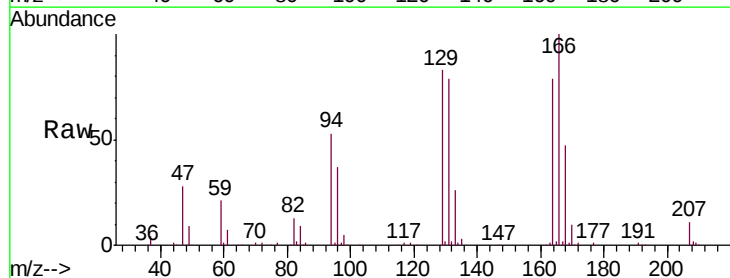


Abundance Ion 97.00 (96.70 to 97.70): VV008445.D (-2101) (-)
 Ion 99.00 (98.70 to 99.70): VV008445.D (-2101) (-)
 Ion 83.00 (82.70 to 83.70): VV008445.D (-2101) (-)
 Ion 85.00 (84.70 to 85.70): VV008445.D (-2101) (-)

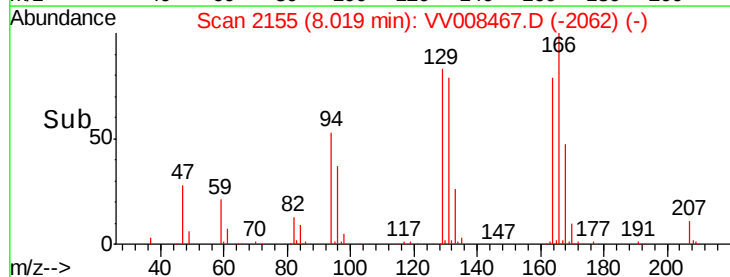
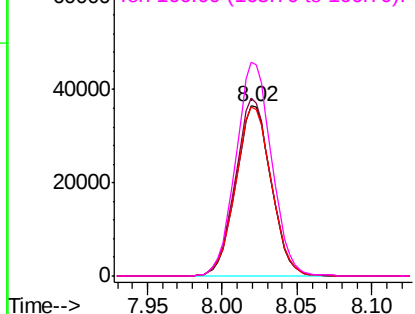


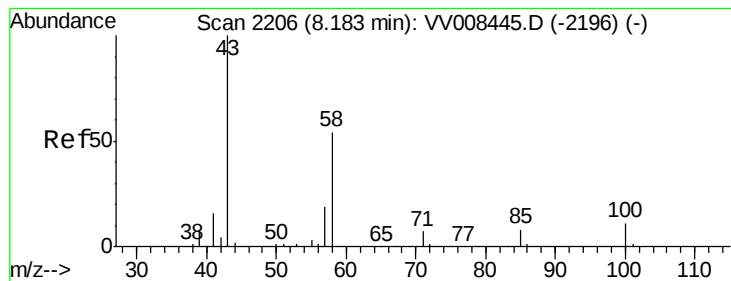
#46
 Tetrachloroethene
 Concen: 59.489 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV008467.D
 Acq: 30 Oct 2018 14:34

Tgt Ion:	164	Resp:	60308
Ion	Ratio	Lower	Upper
164	100		
129	104.6	75.0	139.2
131	99.8	71.3	132.3
166	125.8	89.2	165.6



Abundance Ion 164.00 (163.70 to 164.70): VV008445.D (-2143) (-)
 Ion 129.00 (128.70 to 129.70): VV008445.D (-2143) (-)
 Ion 131.00 (130.70 to 131.70): VV008445.D (-2143) (-)
 Ion 166.00 (165.70 to 166.70): VV008445.D (-2143) (-)





#48

2-Hexanone

Concen: 115.254 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_V

ClientSampleId :

BFB53

Tgt Ion: 43 Resp: 220919

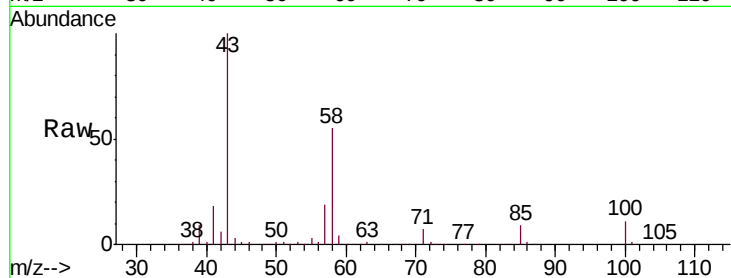
Ion Ratio Lower Upper

43 100

58 53.3 42.6 63.8

57 18.4 14.8 22.2

100 10.5 8.5 12.7

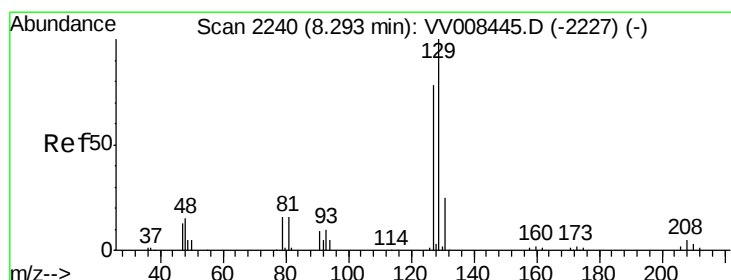
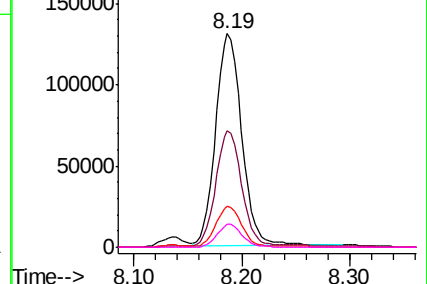
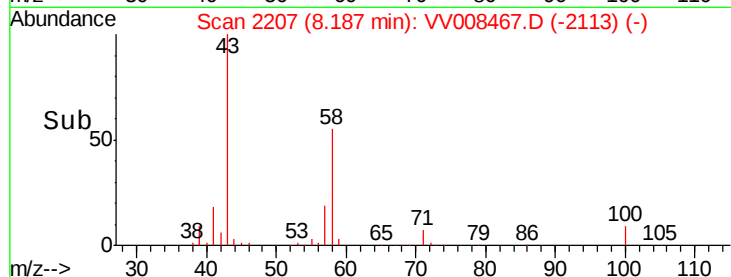


Abundance Ion 43.00 (42.70 to 43.70): VV008445.D (-2196) (-)

Ion 58.00 (57.70 to 58.70): VV008445.D (-2196) (-)

Ion 57.00 (56.70 to 57.70): VV008445.D (-2196) (-)

Ion 100.00 (99.70 to 100.70): VV008445.D (-2196) (-)



#49

Dibromochloromethane

Concen: 57.853 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VV008467.D

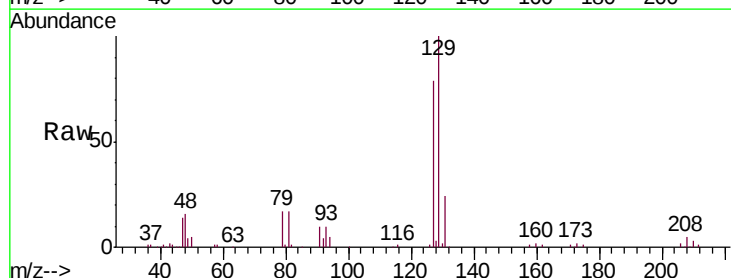
Acq: 30 Oct 2018 14:34

Tgt Ion: 129 Resp: 92212

Ion Ratio Lower Upper

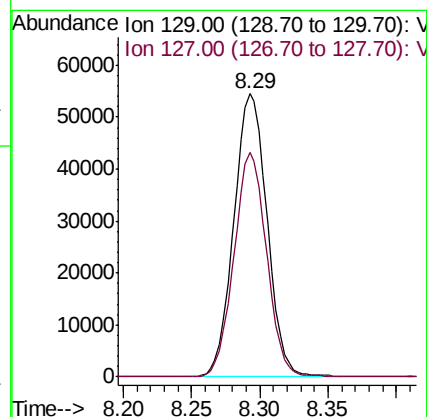
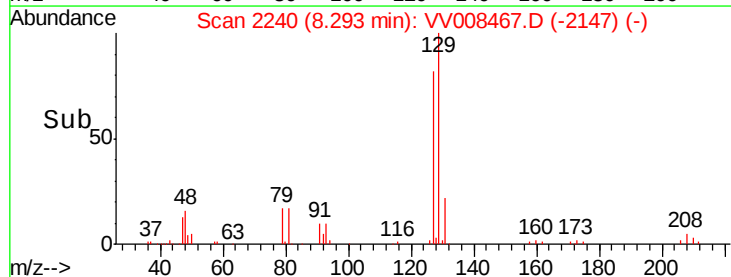
129 100

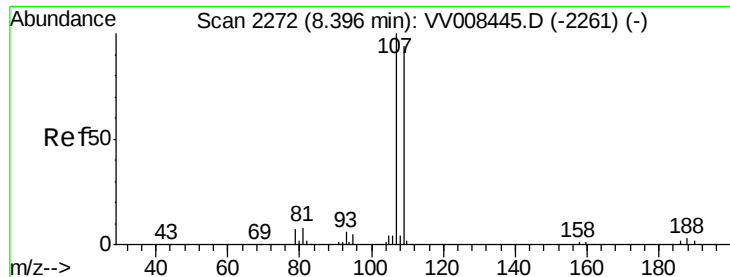
127 79.5 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): VV008445.D (-2227) (-)

Ion 127.00 (126.70 to 127.70): VV008445.D (-2227) (-)

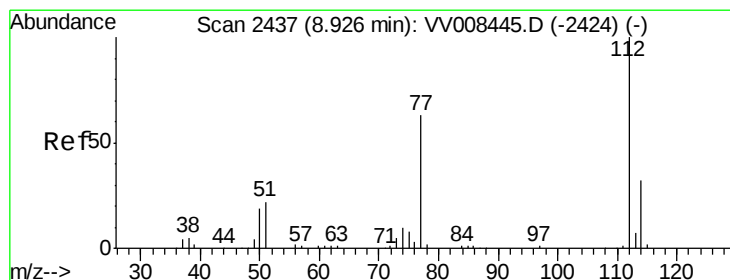
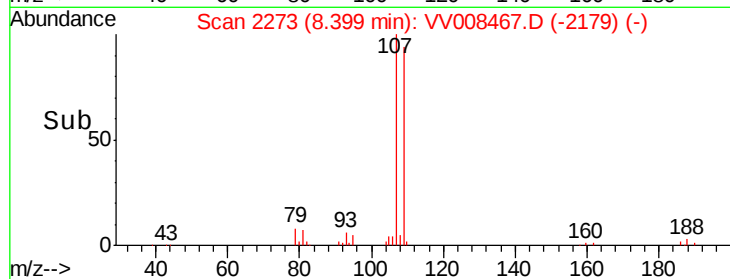
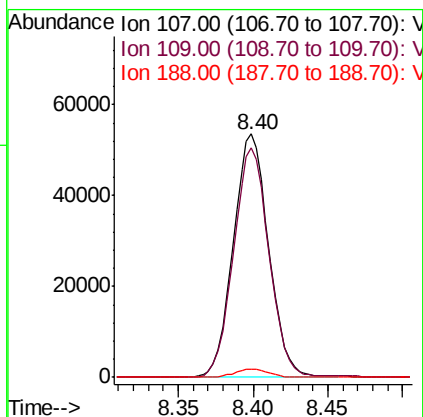
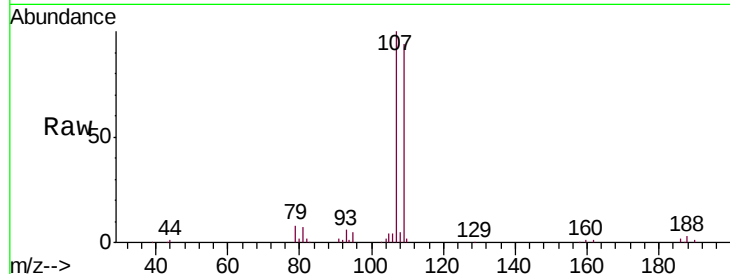




#50
1,2-Dibromoethane
Concen: 56.618 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008467.D
Acq: 30 Oct 2018 14:34

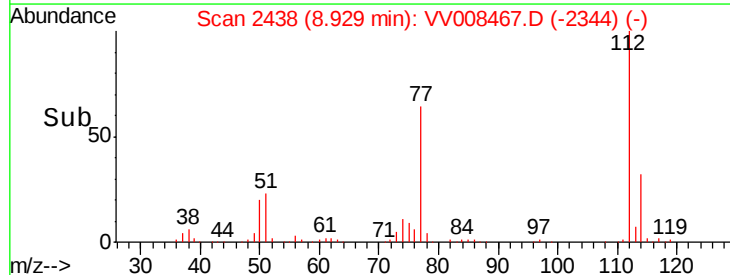
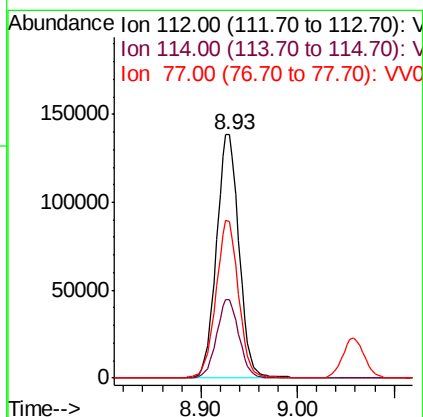
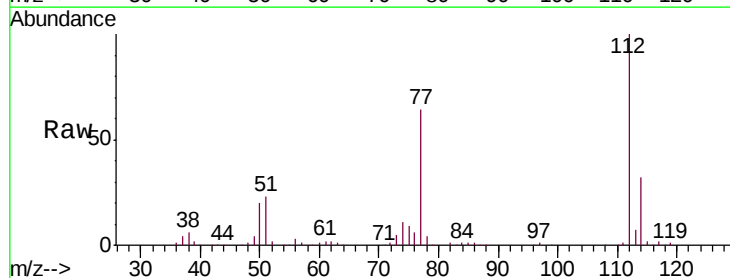
Instrument :
MSVOA_V
ClientSampleId :
BFB53

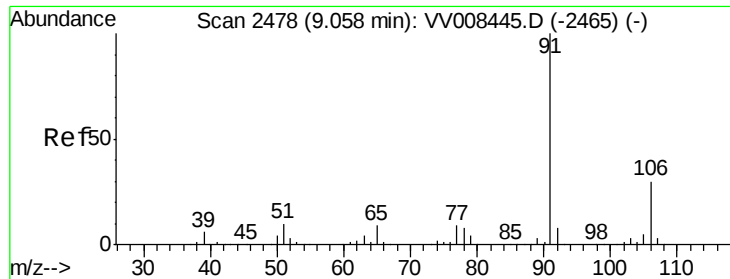
Tgt Ion:107 Resp: 88094
Ion Ratio Lower Upper
107 100
109 94.0 65.2 121.2
188 3.3 2.3 3.5



#51
Chlorobenzene
Concen: 57.686 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008467.D
Acq: 30 Oct 2018 14:34

Tgt Ion:112 Resp: 224101
Ion Ratio Lower Upper
112 100
114 32.2 22.5 41.7
77 64.1 52.0 78.0





#52

Ethylbenzene

Concen: 57.635 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_V

ClientSampleId :

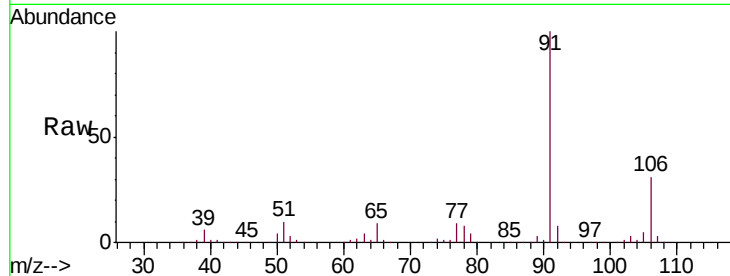
BFB53

Tgt Ion: 91 Resp: 407330

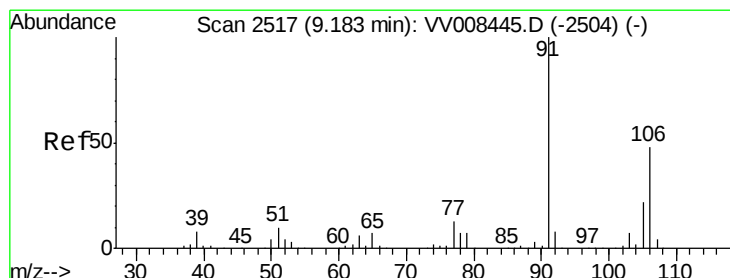
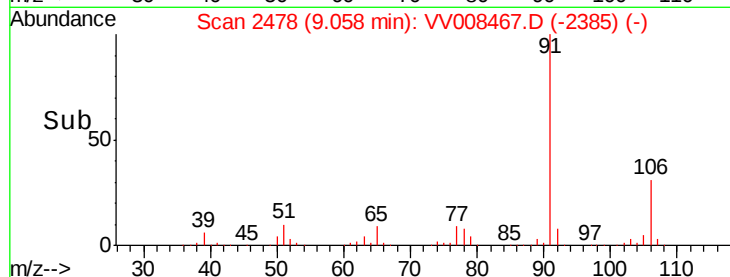
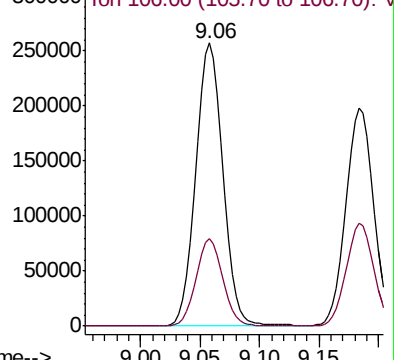
Ion Ratio Lower Upper

91 100

106 31.0 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV008467.D (-2385) (-)



#53

m,p-Xylene

Concen: 58.599 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008467.D

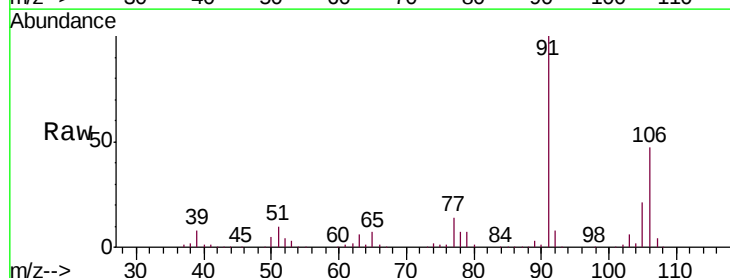
Acq: 30 Oct 2018 14:34

Tgt Ion: 106 Resp: 151302

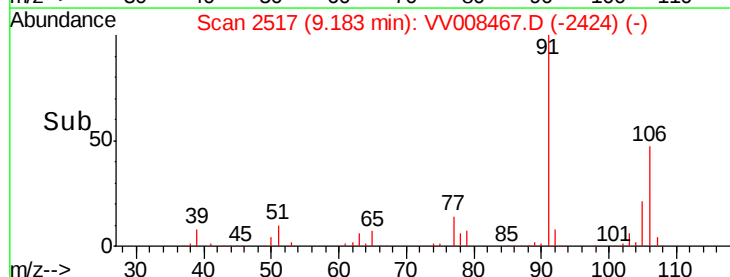
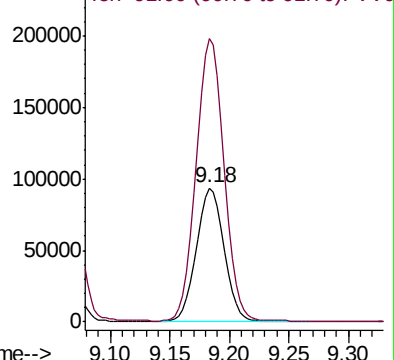
Ion Ratio Lower Upper

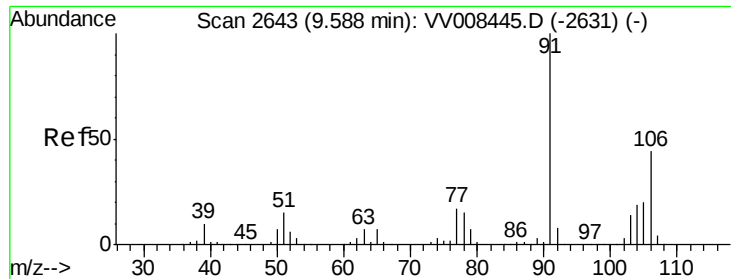
106 100

91 211.5 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): VV008467.D (-2424) (-)





#54

o-xylene

Concen: 57.931 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_V

ClientSampleId :

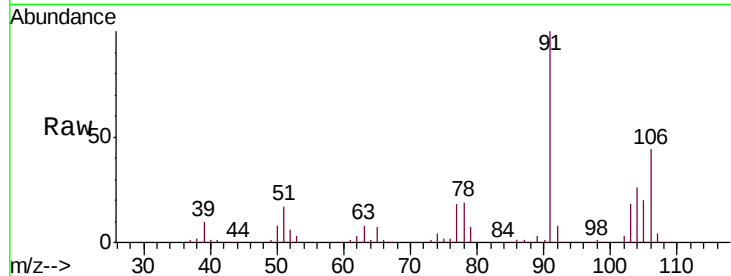
BFB53

Tgt Ion:106 Resp: 149363

Ion Ratio Lower Upper

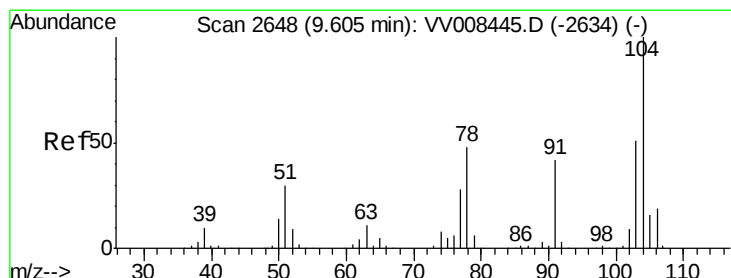
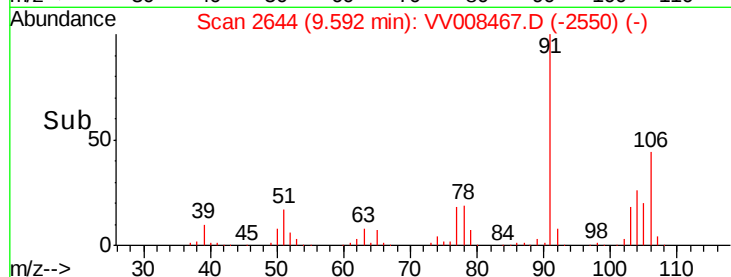
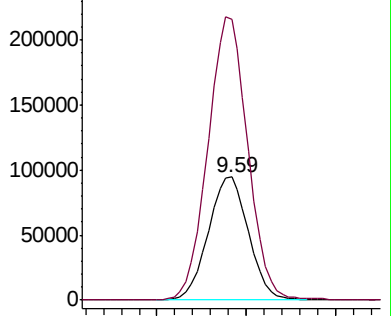
106 100

91 228.5 158.7 294.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 59.702 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008467.D

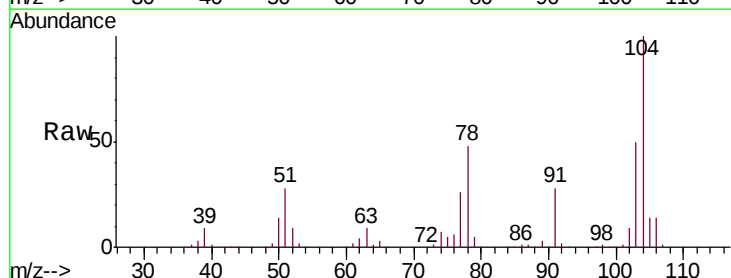
Acq: 30 Oct 2018 14:34

Tgt Ion:104 Resp: 259362

Ion Ratio Lower Upper

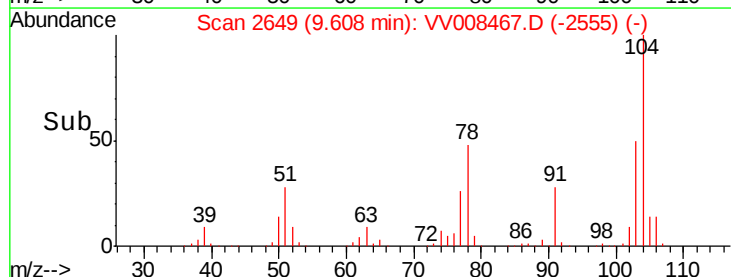
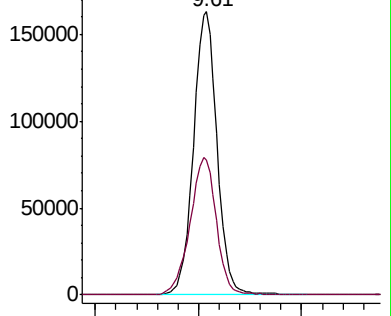
104 100

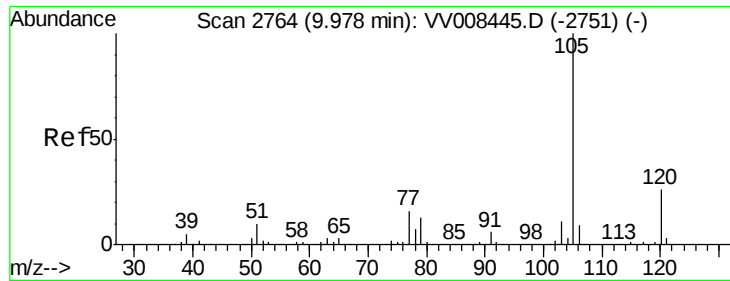
78 47.8 34.4 64.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 59.475 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_V

ClientSampleId :

BFB53

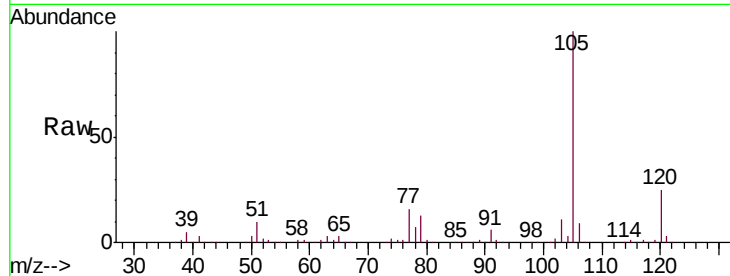
Tgt Ion:105 Resp: 401221

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

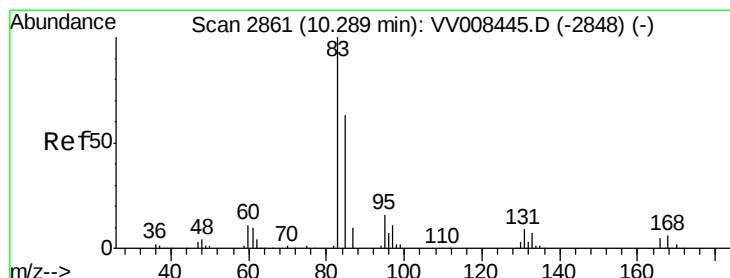
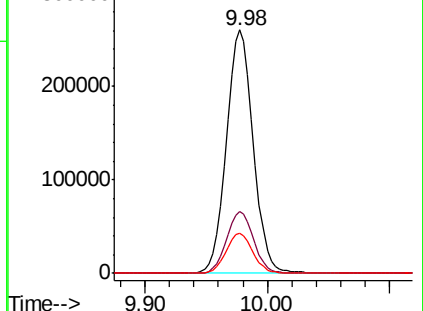
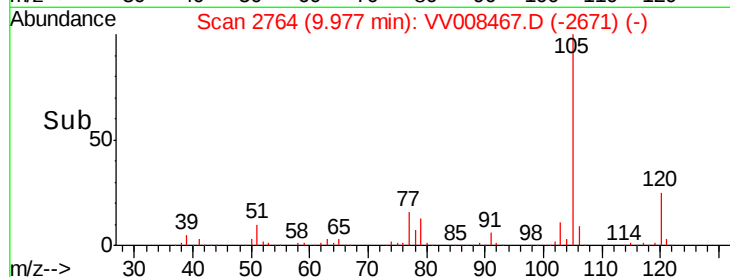
77 16.5 13.5 20.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 58.753 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

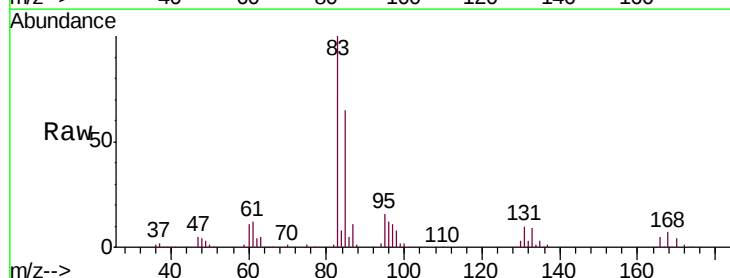
Tgt Ion: 83 Resp: 152621

Ion Ratio Lower Upper

83 100

85 64.7 45.8 85.2

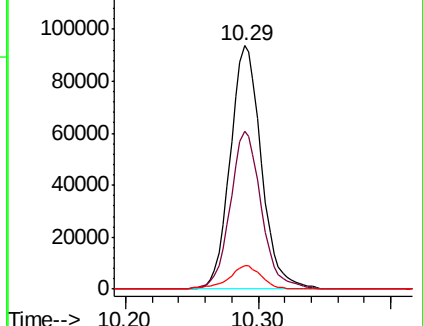
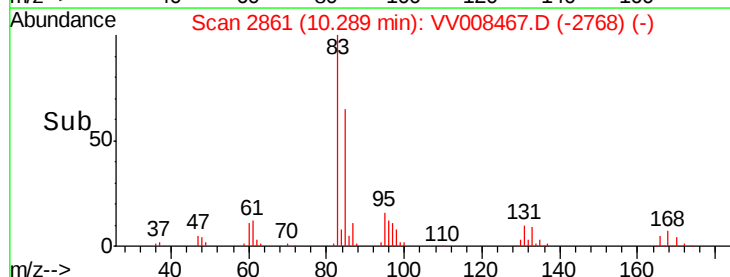
131 9.6 7.3 10.9

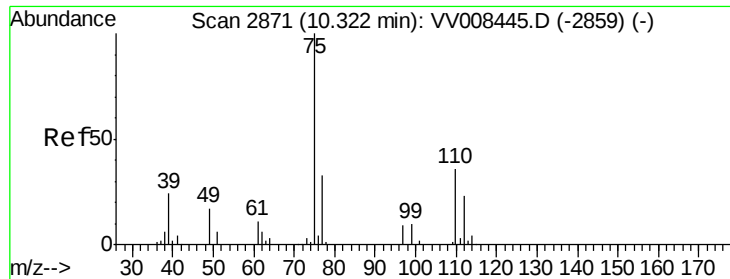


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

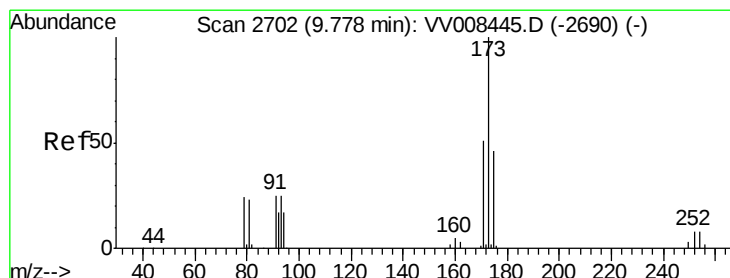
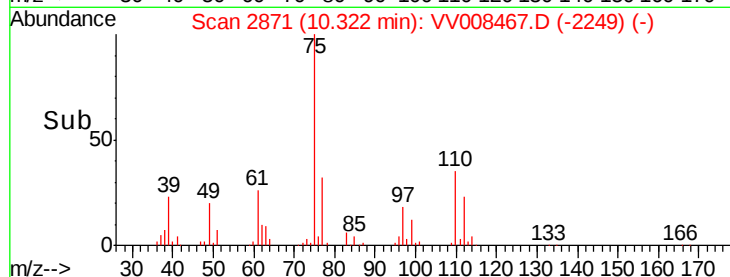
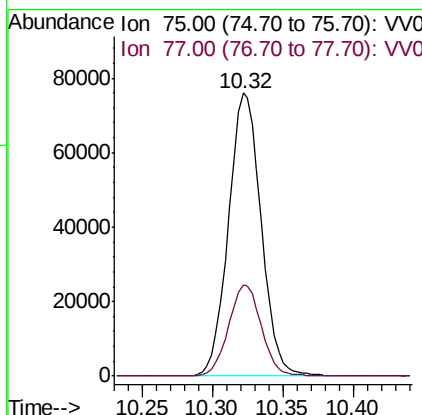
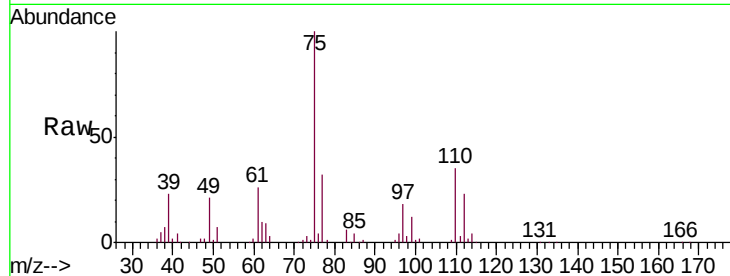




#59
 1,2,3-Trichloropropane
 Concen: 58.563 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV008467.D
 Acq: 30 Oct 2018 14:34

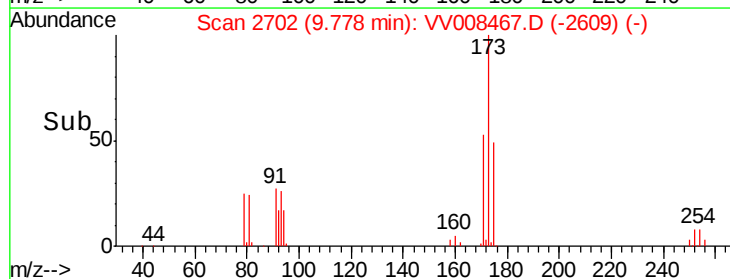
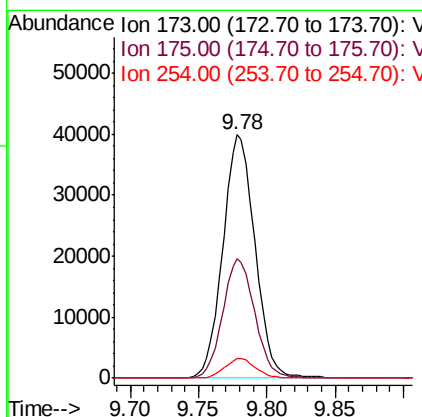
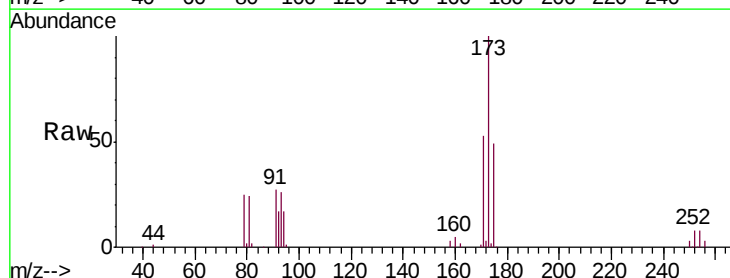
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB53

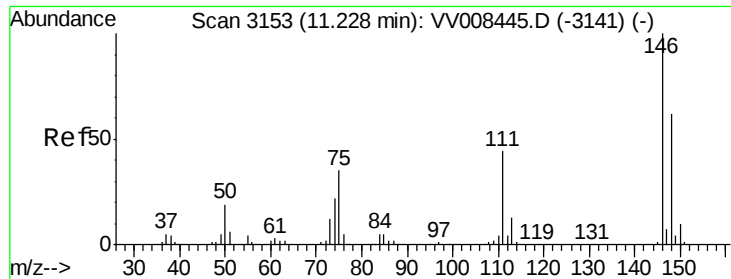
Tgt Ion: 75 Resp: 123116
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.8



#61
 Bromoform
 Concen: 55.841 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV008467.D
 Acq: 30 Oct 2018 14:34

Tgt Ion: 173 Resp: 65227
 Ion Ratio Lower Upper
 173 100
 175 48.7 38.6 57.8
 254 7.6 5.9 8.9





#62

1,3-Dichlorobenzene

Concen: 57.455 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_V

ClientSampled :

BFB53

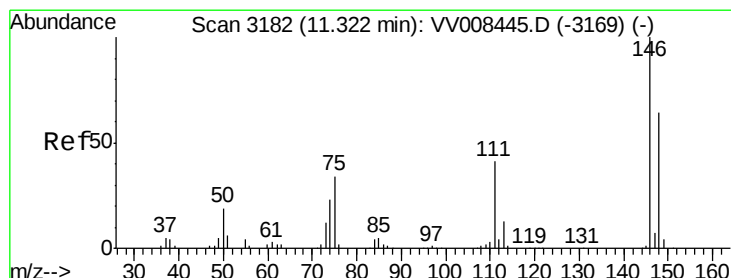
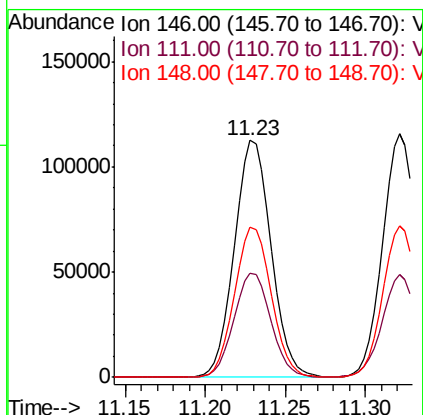
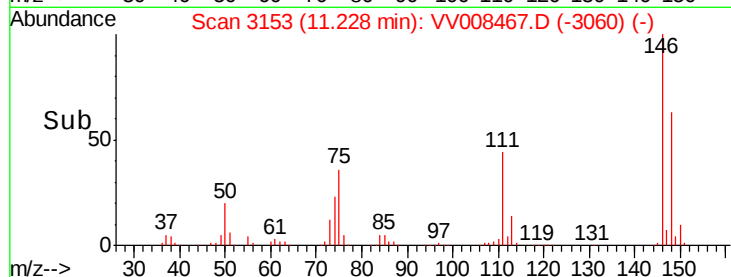
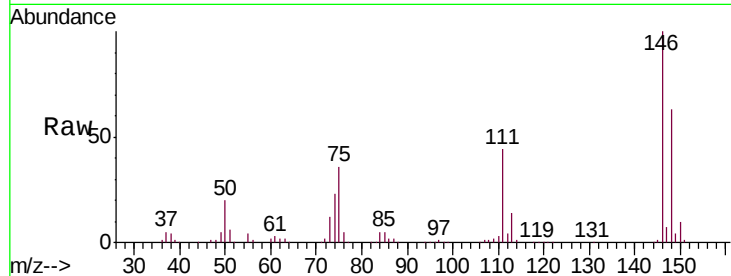
Tgt Ion:146 Resp: 175848

Ion Ratio Lower Upper

146 100

111 44.2 30.9 57.3

148 63.3 44.1 81.9



#63

1,4-Dichlorobenzene

Concen: 57.390 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

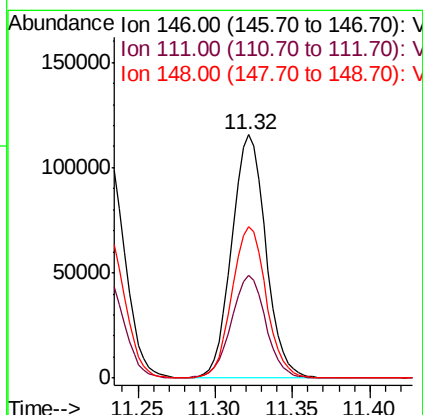
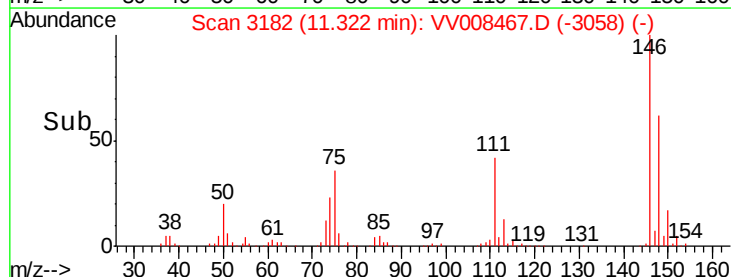
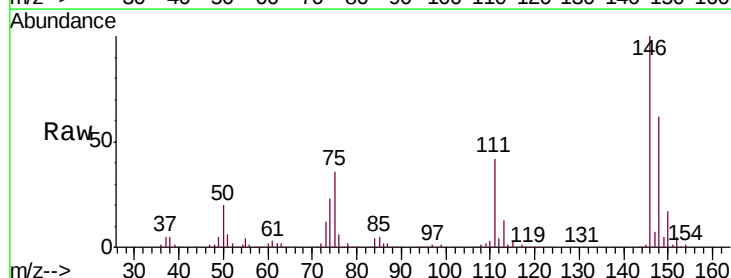
Tgt Ion:146 Resp: 176046

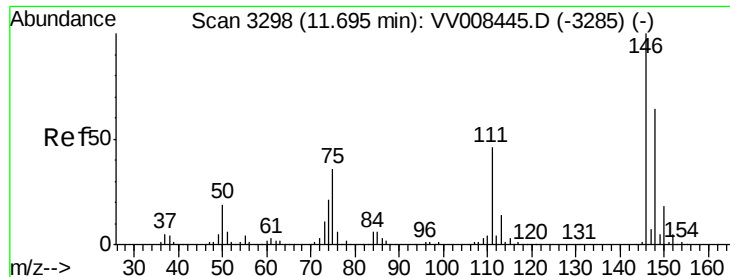
Ion Ratio Lower Upper

146 100

111 42.2 29.8 55.4

148 62.5 44.4 82.5





#65

1,2-Dichlorobenzene

Concen: 57.281 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_V

ClientSampled :

BFB53

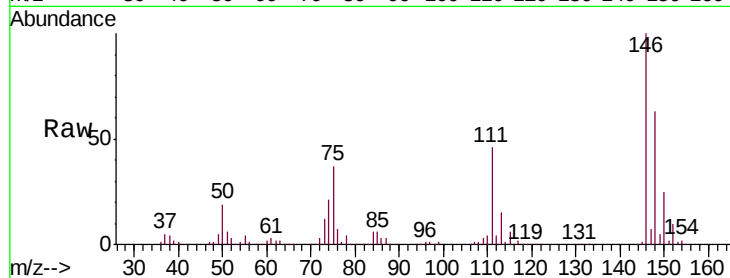
Tgt Ion: 146 Resp: 178778

Ion Ratio Lower Upper

146 100

111 45.9 36.2 54.2

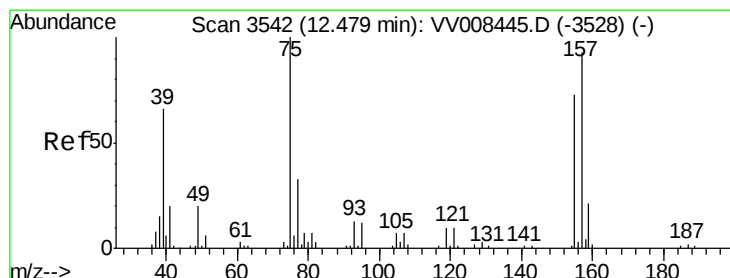
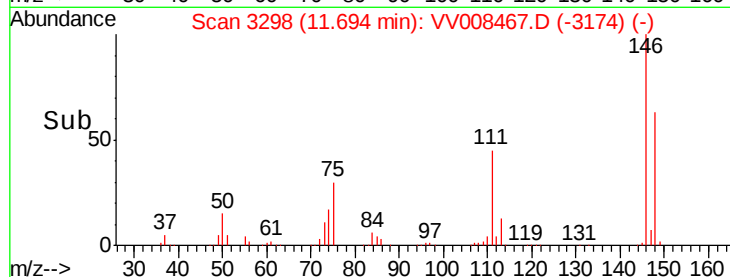
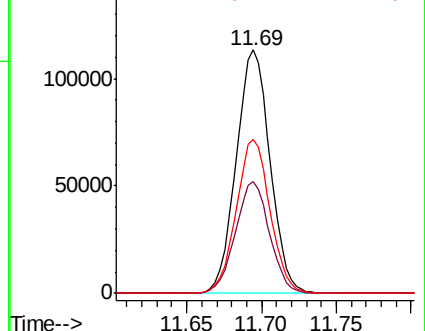
148 63.4 50.3 75.5



Abundance Ion 146.00 (145.70 to 146.70): 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: 53.307 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

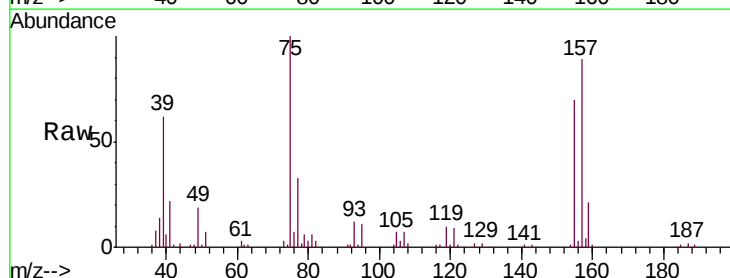
Tgt Ion: 75 Resp: 34204

Ion Ratio Lower Upper

75 100

155 70.1 55.4 83.0

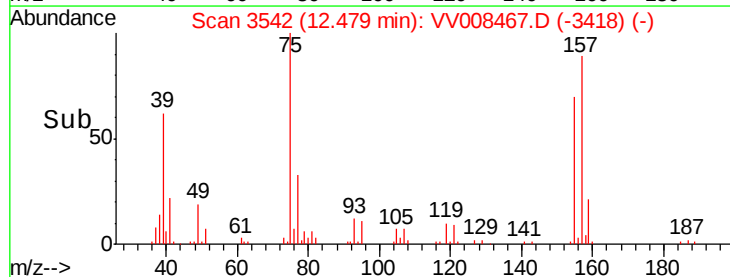
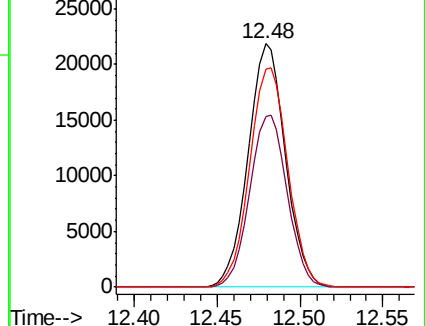
157 89.4 72.8 109.2

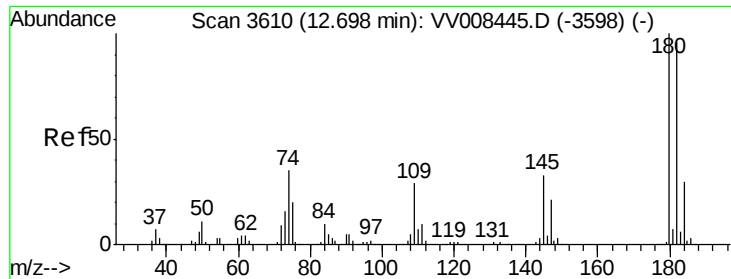


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

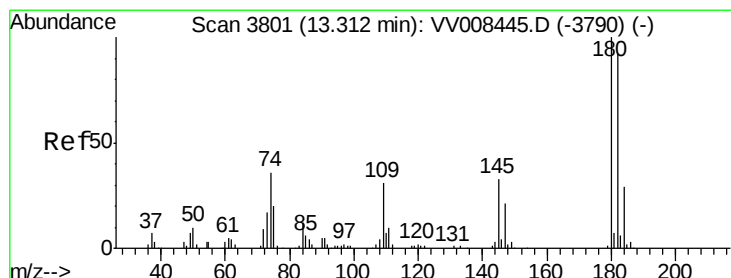
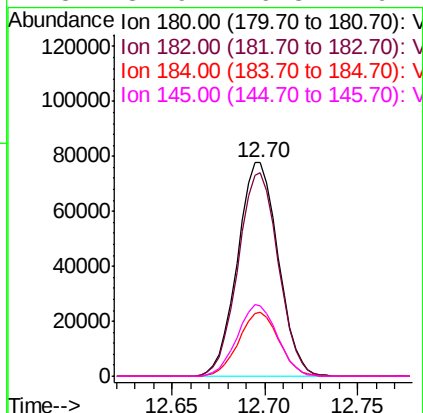
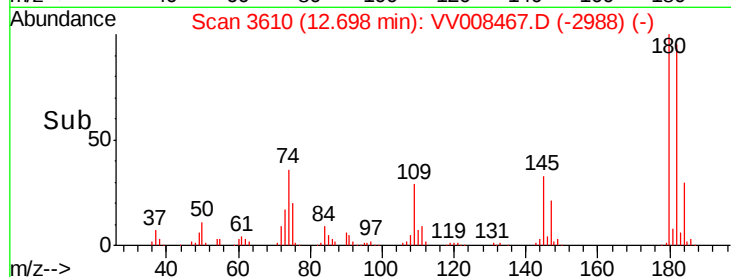
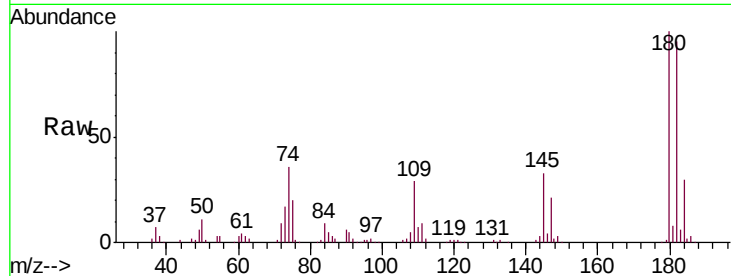




#67
 1,3,5-Trichlorobenzene
 Concen: 59.559 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV008467.D
 Acq: 30 Oct 2018 14:34

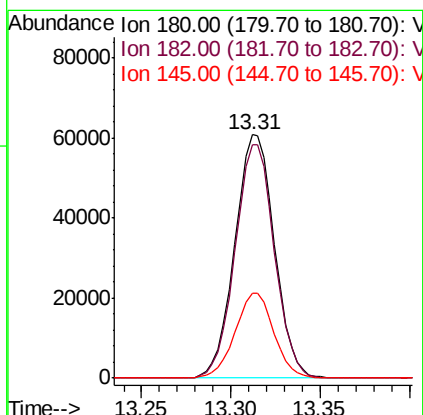
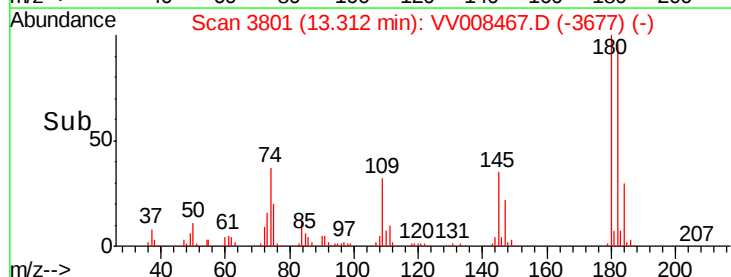
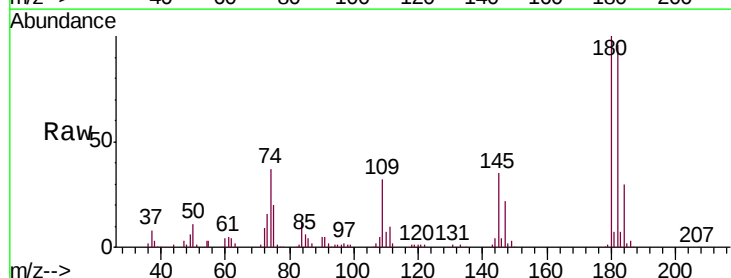
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB53

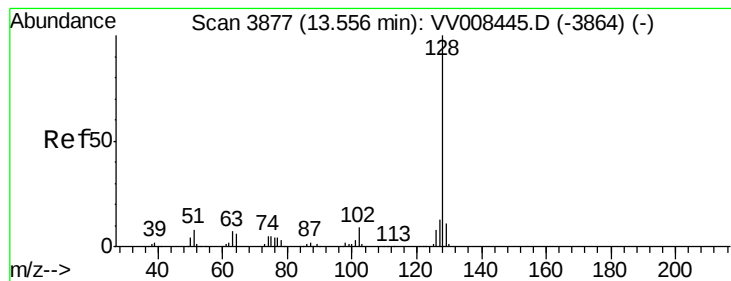
Tgt Ion:180 Resp: 119030
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.9 113.9
 184 29.6 24.1 36.1
 145 32.9 26.8 40.2



#68
 1,2,4-trichlorobenzene
 Concen: 58.287 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV008467.D
 Acq: 30 Oct 2018 14:34

Tgt Ion:180 Resp: 94244
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.4 113.2
 145 34.1 27.0 40.6





#69

Naphthalene

Concen: 53.404 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_V

ClientSampleId :

BFB53

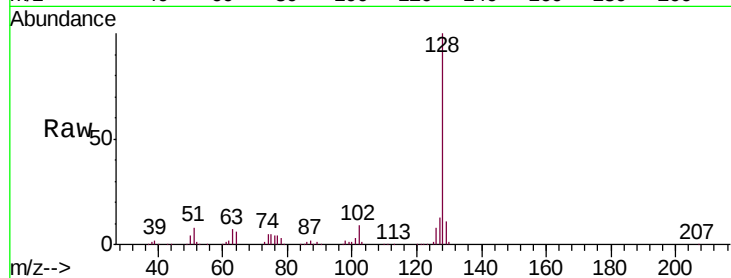
Tgt Ion:128 Resp: 279224

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

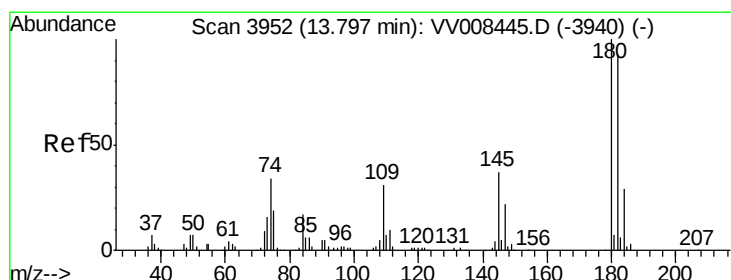
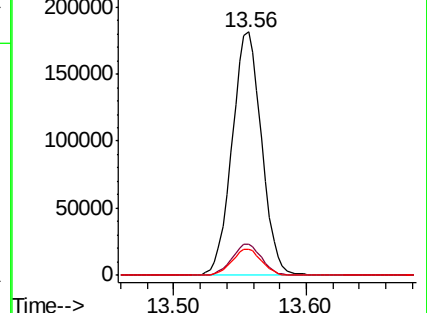
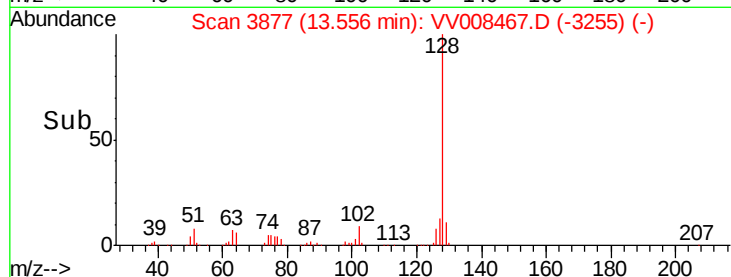
129 10.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 57.185 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV008467.D

Acq: 30 Oct 2018 14:34

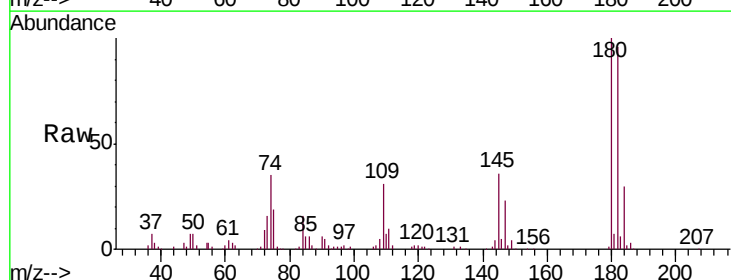
Tgt Ion:180 Resp: 92405

Ion Ratio Lower Upper

180 100

182 96.1 75.7 113.5

145 36.3 28.6 43.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

