

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091720\
 Data File : VV018269.D
 Acq On : 17 Sep 2020 10:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB

Quant Time: Sep 18 06:06:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 17 16:43:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	311972	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	306986	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	170631	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	99064	38.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.92%
7) Chloroethane-d5	1.58	69	82844	39.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.64%
11) 1,1-Dichloroethene-d2	2.12	63	201989	43.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.62%
21) 2-Butanone-d5	3.91	46	133225	85.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.61%
24) Chloroform-d	4.37	84	190969	43.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.58%
26) 1,2-Dichloroethane-d4	5.06	65	120548	42.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.26%
32) Benzene-d6	5.07	84	374417	42.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.20%
36) 1,2-Dichloropropane-d6	6.09	67	117939	42.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.48%
41) Toluene-d8	7.34	98	350254	43.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.46%
43) trans-1,3-Dichloropropene-	7.64	79	61653	43.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.90%
47) 2-Hexanone-d5	8.11	63	99332	93.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.91%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	161842	46.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.36%
64) 1,2-Dichlorobenzene-d4	11.65	152	147487	42.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.18%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	113508	49.897	ug/L 99
3) Chloromethane	1.25	50	126022	50.733	ug/L 100
5) Vinyl chloride	1.32	62	126309	49.586	ug/L 100
6) Bromomethane	1.53	94	78978	50.727	ug/L 99
8) Chloroethane	1.60	64	79620	49.897	ug/L 100
9) Trichlorofluoromethane	1.76	101	180223	51.423	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	109112	51.830	ug/L 99
12) 1,1-Dichloroethene	2.13	96	103041	50.303	ug/L 95
13) Acetone	2.20	43	123606	99.193	ug/L 99
14) Carbon disulfide	2.31	76	307170	49.006	ug/L 100
15) Methyl Acetate	2.45	43	110840	49.495	ug/L 99
16) Methylene chloride	2.52	84	114171	49.698	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	106584	50.489	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	326401	49.983	ug/L 100
19) 1,1-Dichloroethane	3.21	63	201578	50.504	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	115400	51.138	ug/L 97
22) 2-Butanone	4.00	43	164348	111.378	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

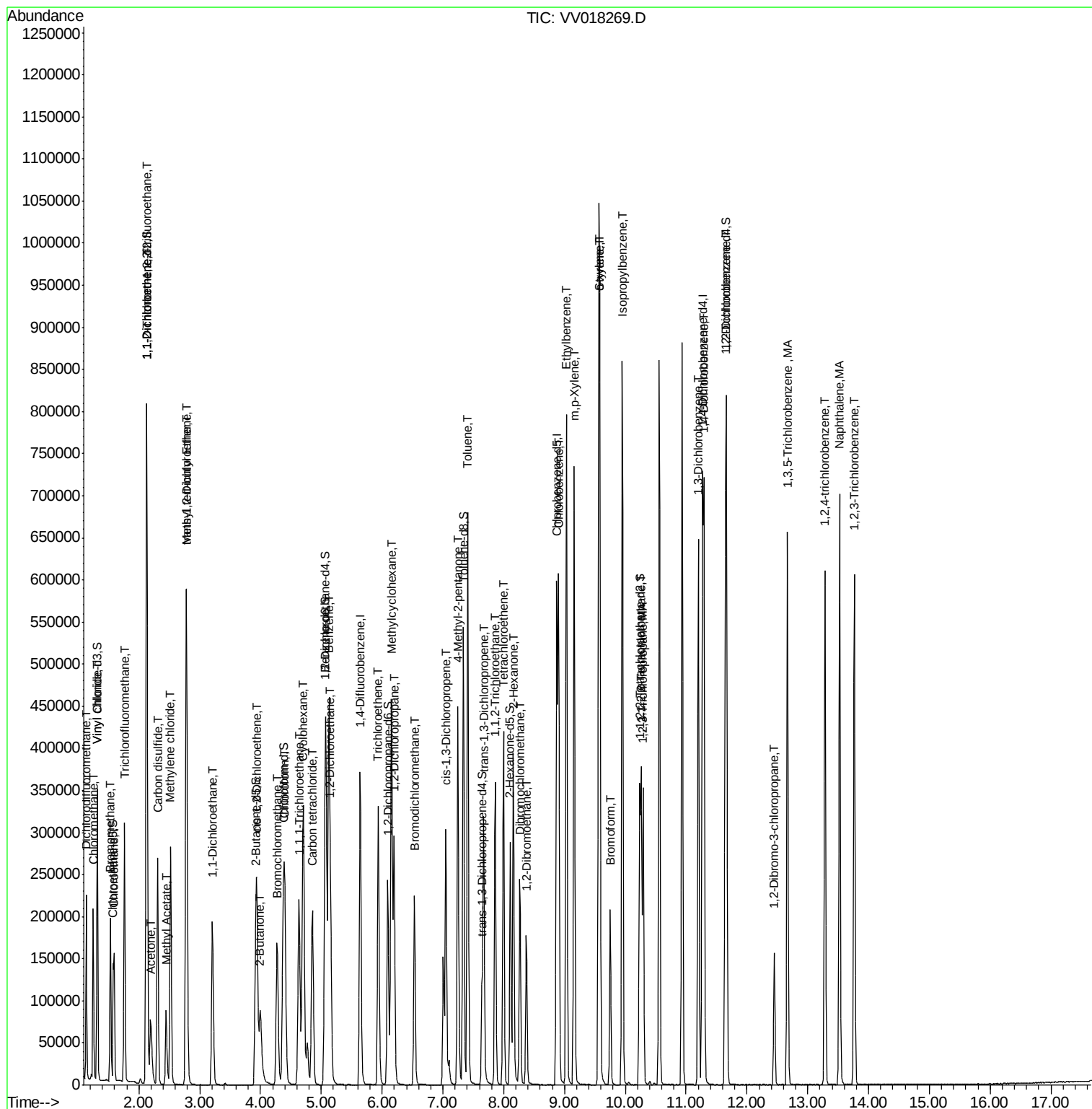
23) Bromochloromethane	4.27	128	59394	50.304	ug/L	96
25) Chloroform	4.40	83	202587	49.933	ug/L	100
27) 1,2-Dichloroethane	5.15	62	158491	50.461	ug/L	98
29) Cyclohexane	4.70	56	184107	51.936	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	179846	50.480	ug/L	100
31) Carbon tetrachloride	4.85	117	158556	50.613	ug/L	99
33) Benzene	5.12	78	445715	50.782	ug/L	100
34) Trichloroethene	5.94	95	116075	48.547	ug/L	98
35) Methylcyclohexane	6.15	83	189305	52.585	ug/L	99
37) 1,2-Dichloropropane	6.20	63	116683	50.168	ug/L	100
38) Bromodichloromethane	6.53	83	151488	50.051	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	184741	51.552	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	290904	103.099	ug/L	100
42) Toluene	7.41	91	482171	51.910	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	178712	51.219	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	108587	50.371	ug/L	98
46) Tetrachloroethene	8.00	164	96260	51.347	ug/L	99
48) 2-Hexanone	8.16	43	242326	108.935	ug/L	99
49) Dibromochloromethane	8.27	129	122392	50.580	ug/L	100
50) 1,2-Dibromoethane	8.37	107	113848	50.179	ug/L	98
51) Chlorobenzene	8.90	112	308482	51.139	ug/L	100
52) Ethylbenzene	9.03	91	533635	52.623	ug/L	100
53) m,p-Xylene	9.16	106	202239	53.430	ug/L	96
54) o-xylene	9.56	106	193095	52.953	ug/L	99
55) Styrene	9.58	104	342903	54.102	ug/L	98
56) Isopropylbenzene	9.95	105	527684	53.694	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	173890	54.531	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	139091	50.845	ug/L	99
61) Bromoform	9.75	173	92132	50.261	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	258283	50.905	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	267633	51.318	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	259293	50.559	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	38959	53.833	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	205927	51.482	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	187295	52.582	ug/L	99
69) Naphthalene	13.52	128	522334	57.954	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	187666	53.492	ug/L	100

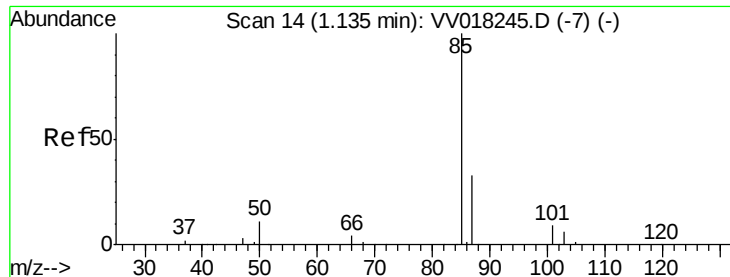
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.897 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018269.D

Acq: 17 Sep 2020 10:52

Instrument :

MSVOA_V

ClientSampled :

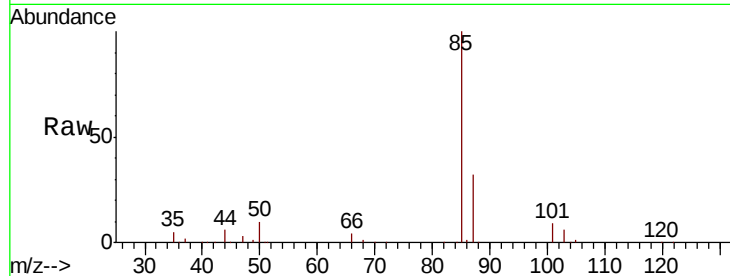
BFB

Tot Ion: 85 Resp: 113508

Ion Ratio Lower Upper

85 100

87 32.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV018245.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018245.D (-7) (-)

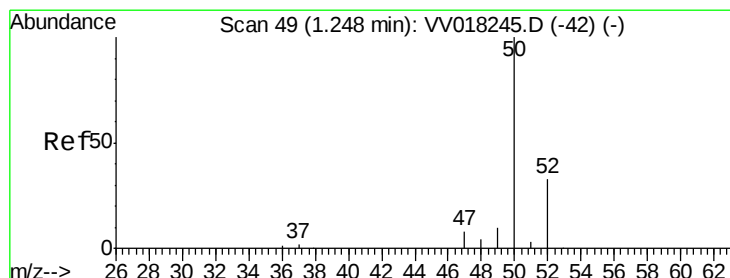
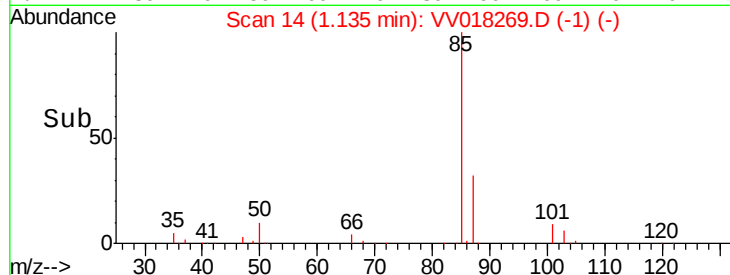
1.14

100000

50000

0

Time-->



#3

Chloromethane

Concen: 50.733 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018269.D

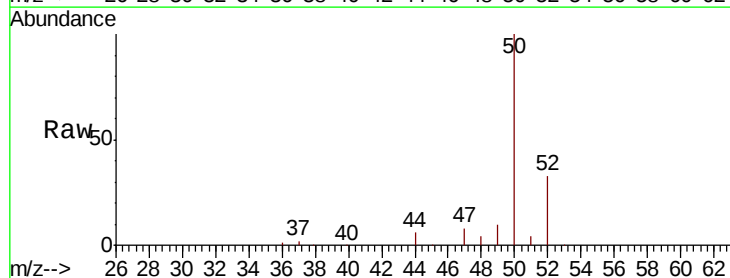
Acq: 17 Sep 2020 10:52

Tgt Ion: 50 Resp: 126022

Ion Ratio Lower Upper

50 100

52 32.5 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV018245.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018245.D (-42) (-)

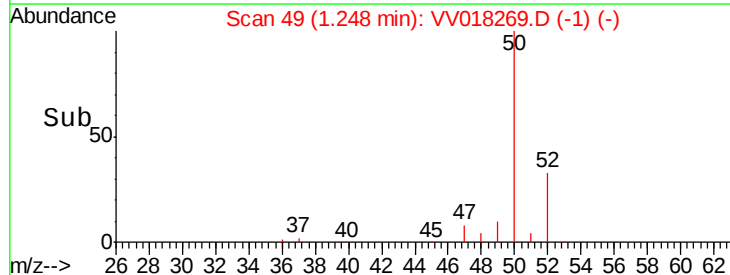
1.25

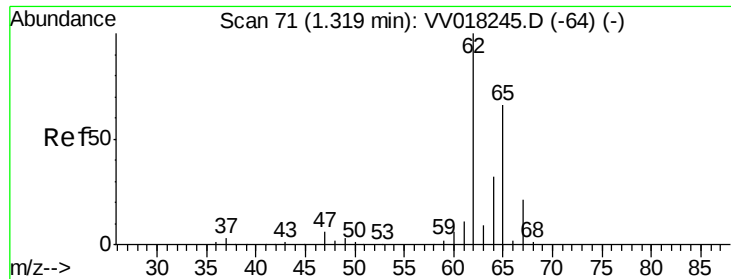
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 49.586 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018269.D

Acq: 17 Sep 2020 10:52

Instrument :

MSVOA_V

ClientSampleId :

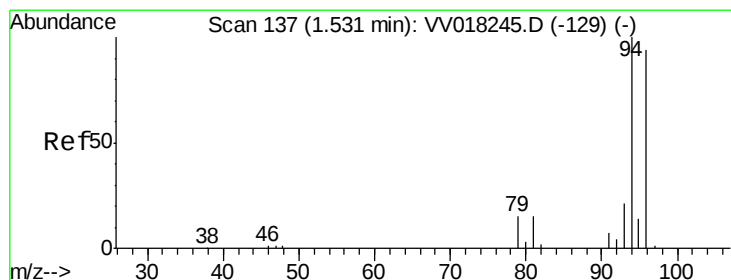
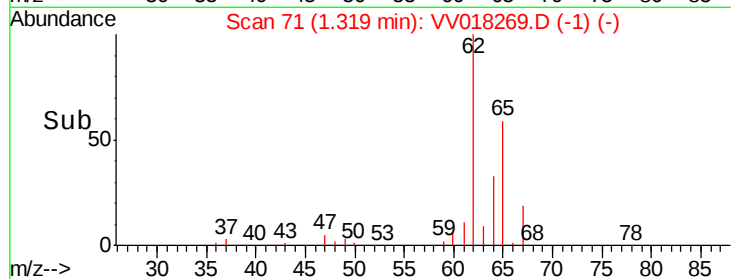
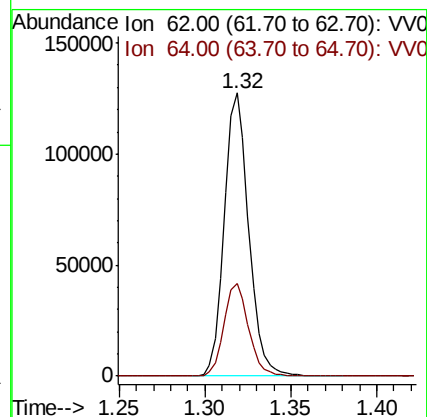
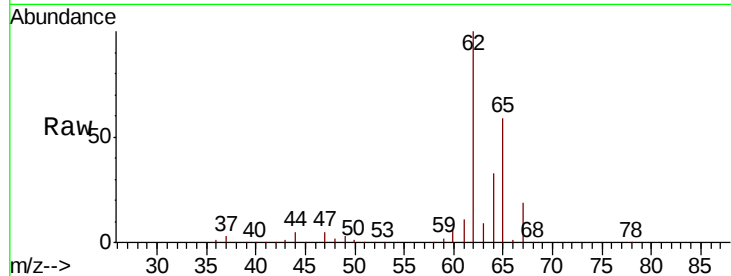
BFB

Tot Ion: 62 Resp: 126309

Ion Ratio Lower Upper

62 100

64 32.9 23.1 42.9



#6

Bromomethane

Concen: 50.727 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018269.D

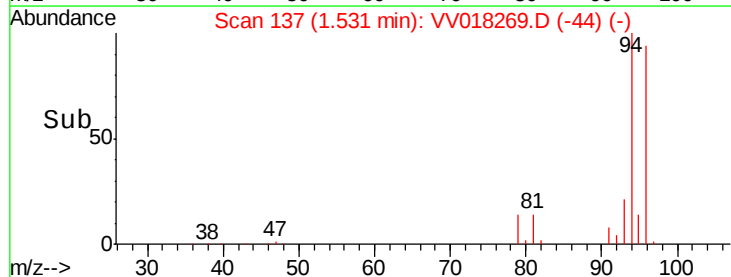
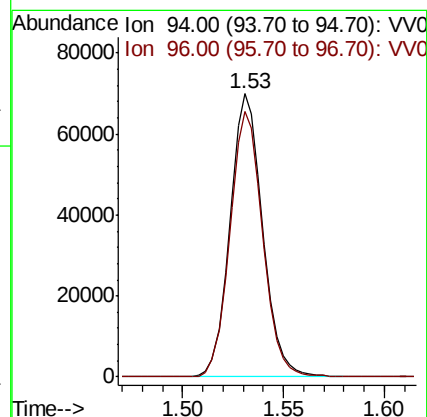
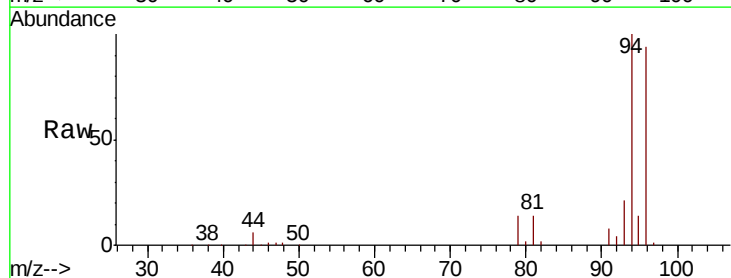
Acq: 17 Sep 2020 10:52

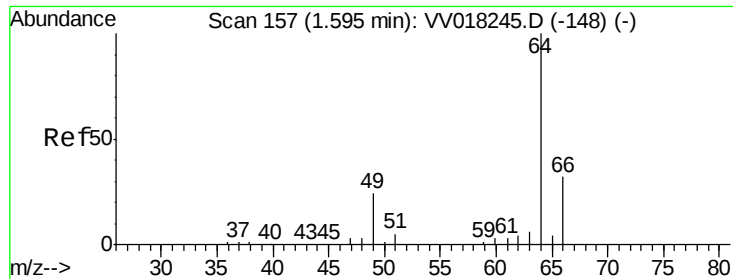
Tgt Ion: 94 Resp: 78978

Ion Ratio Lower Upper

94 100

96 94.0 65.1 120.9

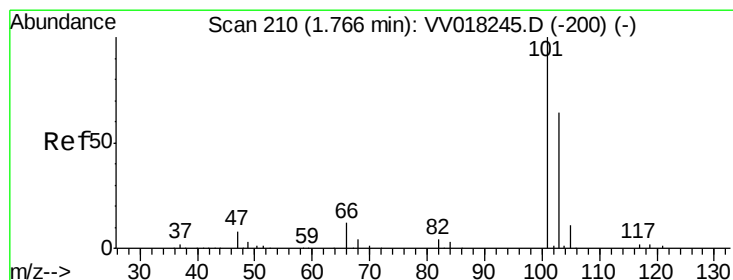
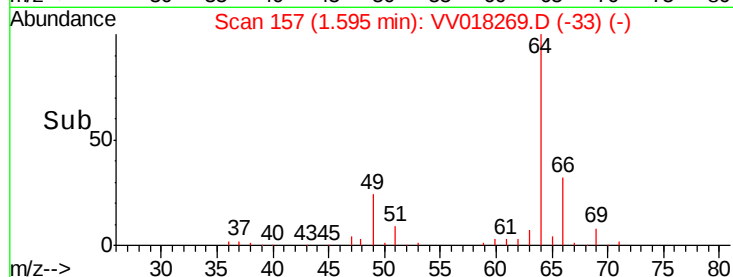
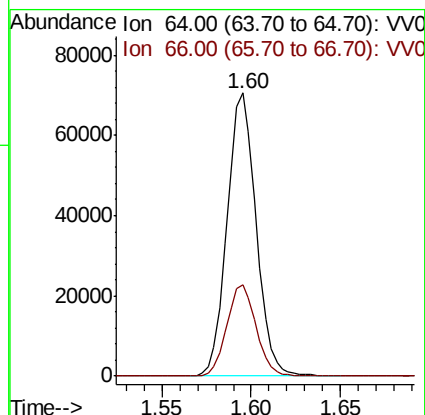
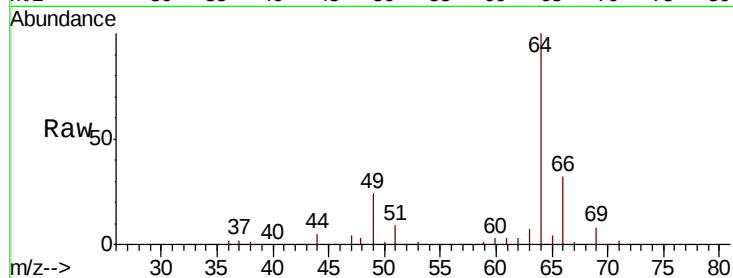




#8
Chloroethane
Concen: 49.897 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV018269.D
Acq: 17 Sep 2020 10:52

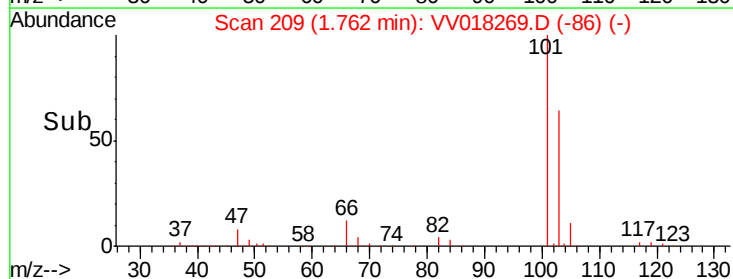
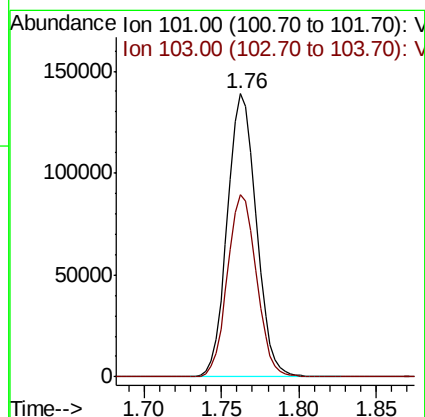
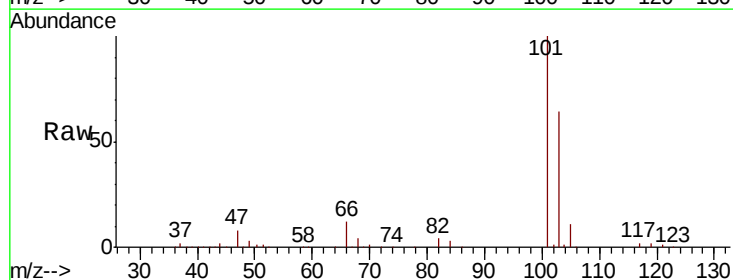
Instrument :
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ClientSampleId :
BFB

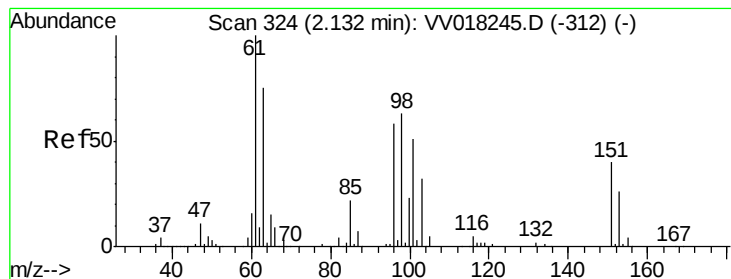
Tot Ion: 64 Resp: 79620
Ion Ratio Lower Upper
64 100
66 32.2 22.5 41.7



#9
Trichlorofluoromethane
Concen: 51.423 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV018269.D
Acq: 17 Sep 2020 10:52

Tgt Ion: 101 Resp: 180223
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.6





#10

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

Concen: 51.830 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018269.D

Acq: 17 Sep 2020 10:52

Instrument :

MSVOA_V

ClientSampleId :

BFB

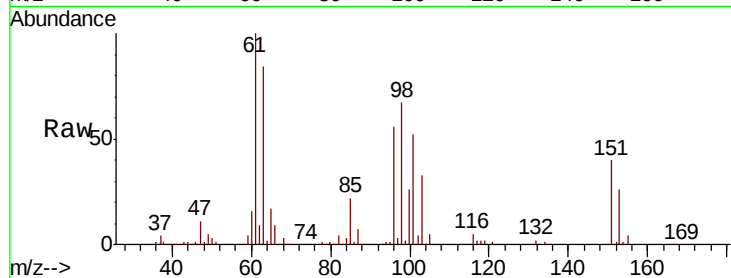
Tot Ion:101 Resp: 109112

Ion Ratio Lower Upper

101 100

85 42.5 33.5 50.3

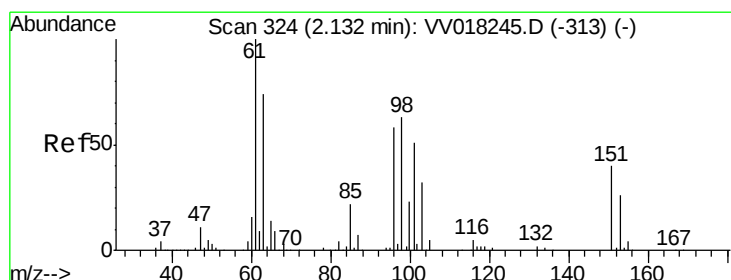
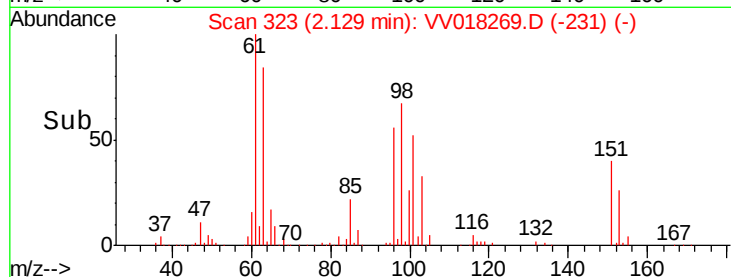
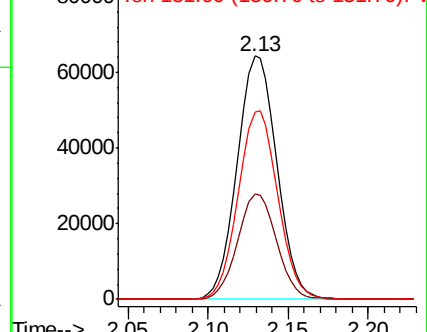
151 77.0 62.2 93.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 50.303 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018269.D

Acq: 17 Sep 2020 10:52

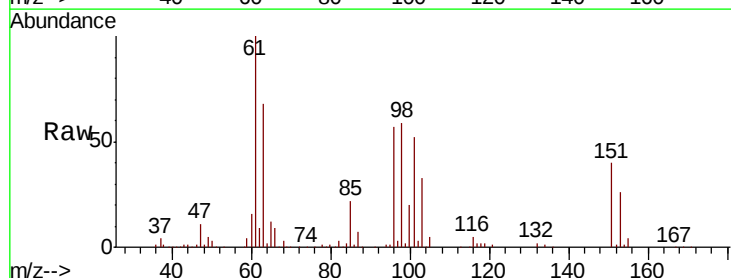
Tgt Ion: 96 Resp: 103041

Ion Ratio Lower Upper

96 100

61 174.1 122.9 228.3

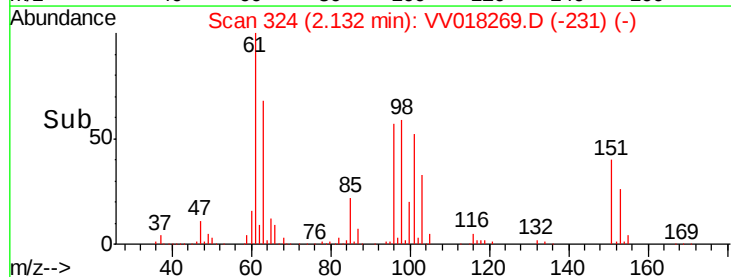
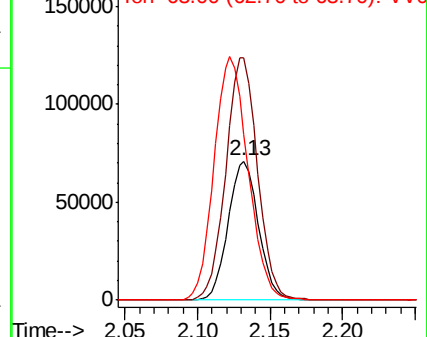
63 119.2 91.9 170.7

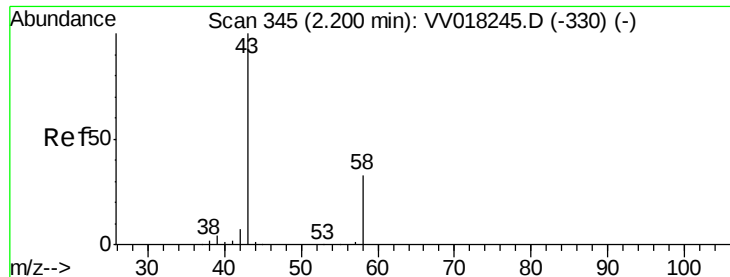


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 99.193 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.00 min

Lab File: VV018269.D

Acq: 17 Sep 2020 10:52

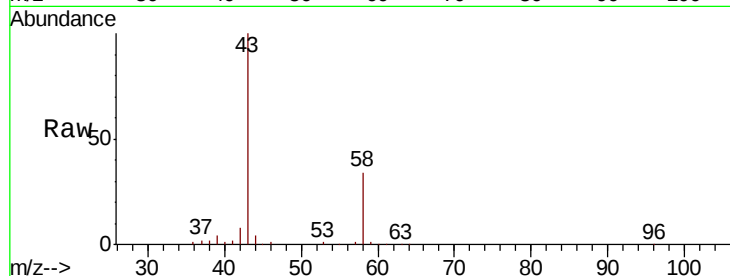
Instrument :
MSVOA_V
ClientSampled :
BFB

Tot Ion: 43 Resp: 123606

Ion Ratio Lower Upper

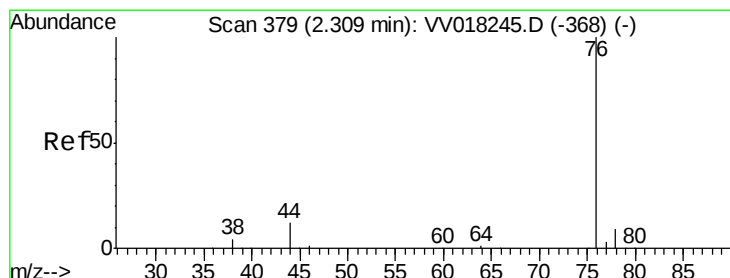
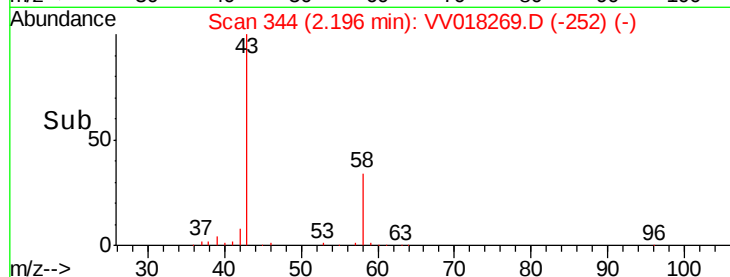
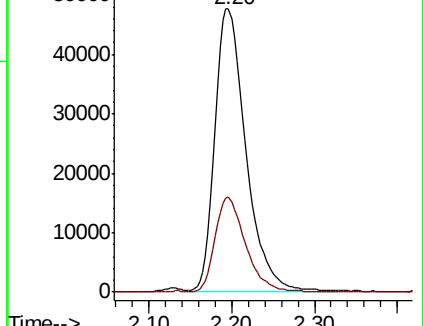
43 100

58 33.1 0.0 67.4



Abundance Ion 43.00 (42.70 to 43.70): VV018245.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV018245.D (-330) (-)



#14

Carbon disulfide

Concen: 49.006 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018269.D

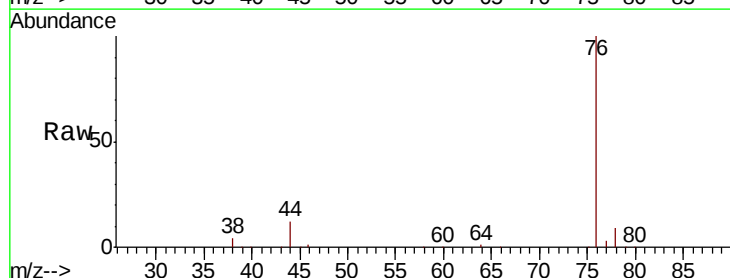
Acq: 17 Sep 2020 10:52

Tgt Ion: 76 Resp: 307170

Ion Ratio Lower Upper

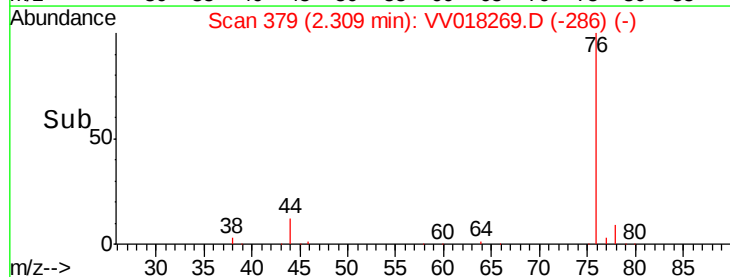
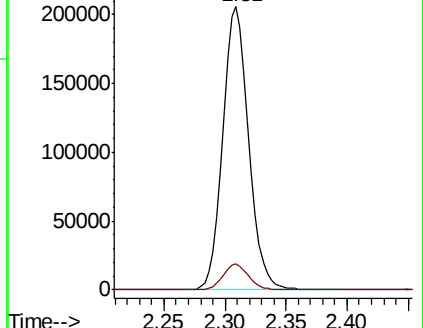
76 100

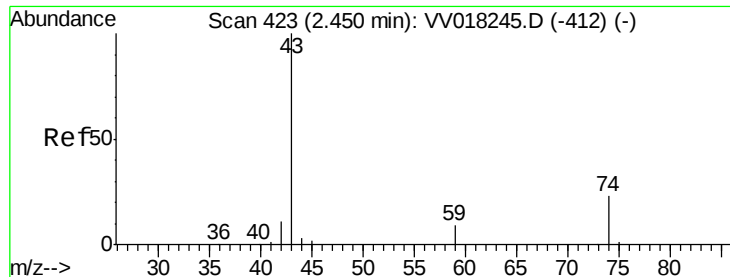
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV018245.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV018245.D (-368) (-)





#15

Methvl Acetate

Concen: 49.495 ug/L

RT: 2.45 min Scan# 422

Delta R.T. -0.00 min

Lab File: VV018269.D

Acq: 17 Sep 2020 10:52

Instrument :

MSVOA_V

ClientSampleId :

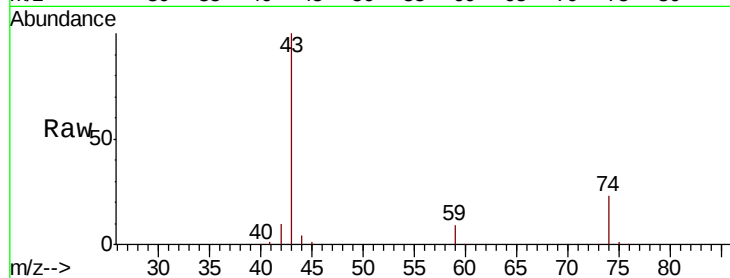
BFB

Tot Ion: 43 Resp: 110840

Ion Ratio Lower Upper

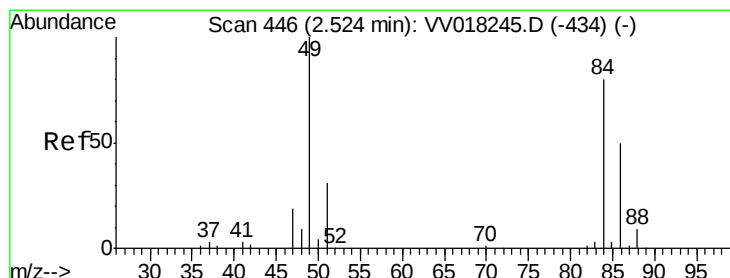
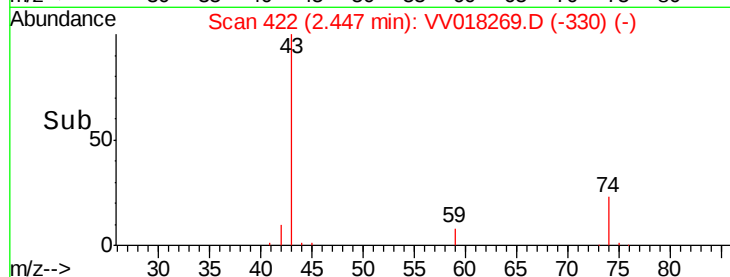
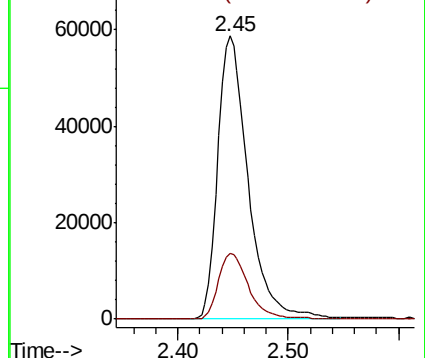
43 100

74 23.5 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 49.698 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV018269.D

Acq: 17 Sep 2020 10:52

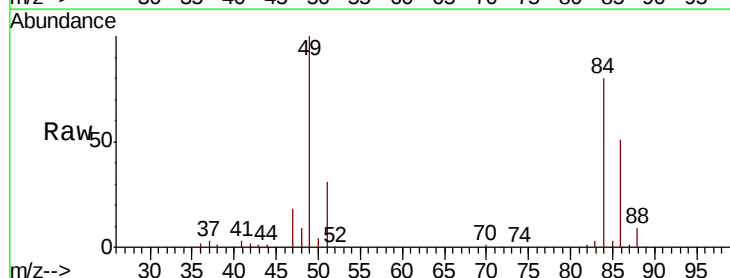
Tgt Ion: 84 Resp: 114171

Ion Ratio Lower Upper

84 100

86 63.7 44.4 82.4

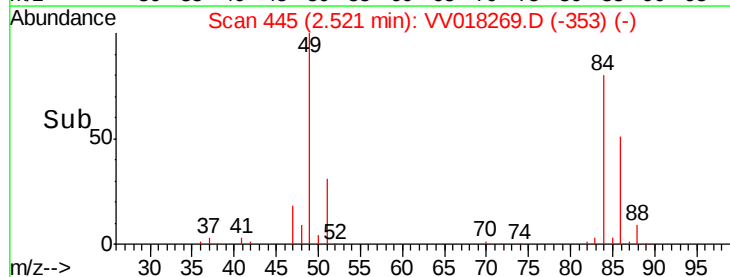
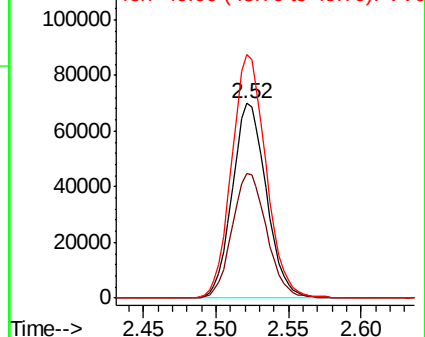
49 125.1 87.2 162.0

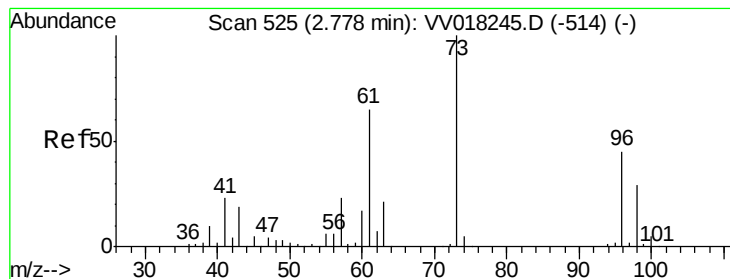


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 50.489 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV018269.D

Acq: 17 Sep 2020 10:52

Instrument :

MSVOA_V

ClientSampled :

BFB

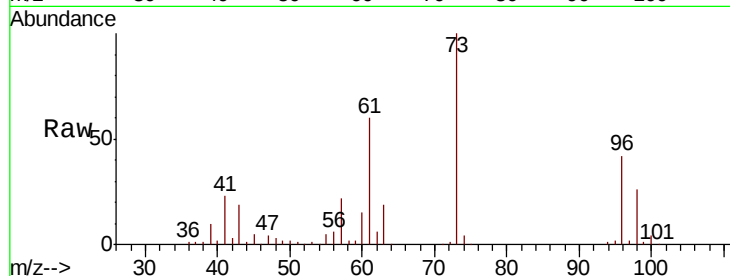
Tot Ion: 96 Resp: 106584

Ion Ratio Lower Upper

96 100

61 144.0 100.7 186.9

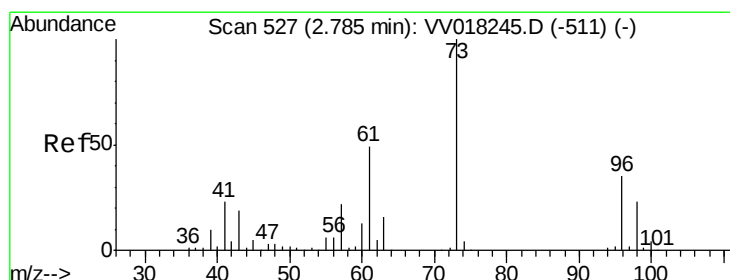
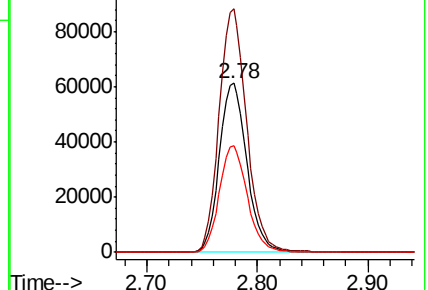
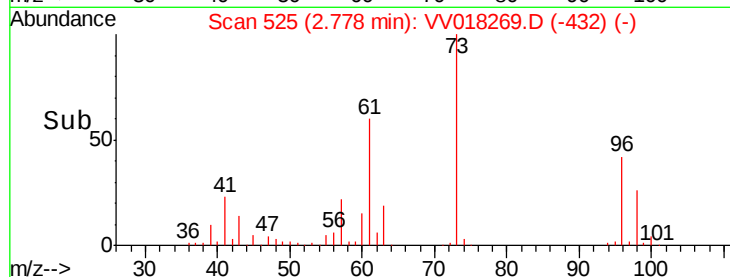
98 63.2 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 49.983 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV018269.D

Acq: 17 Sep 2020 10:52

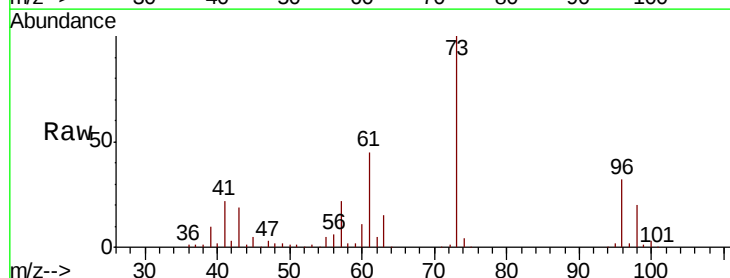
Tgt Ion: 73 Resp: 326401

Ion Ratio Lower Upper

73 100

43 19.2 15.4 23.0

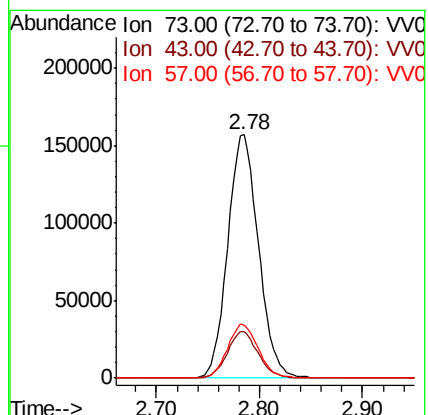
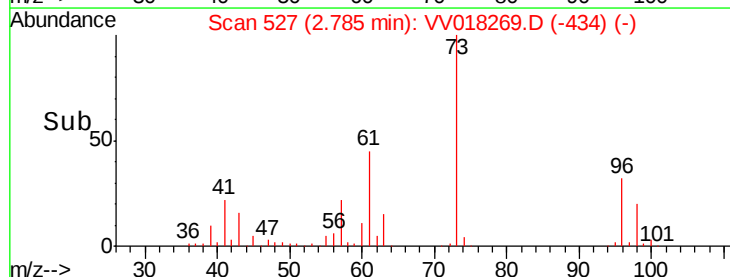
57 22.2 18.0 27.0

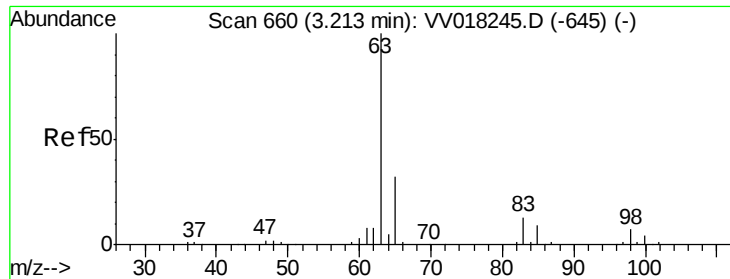


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

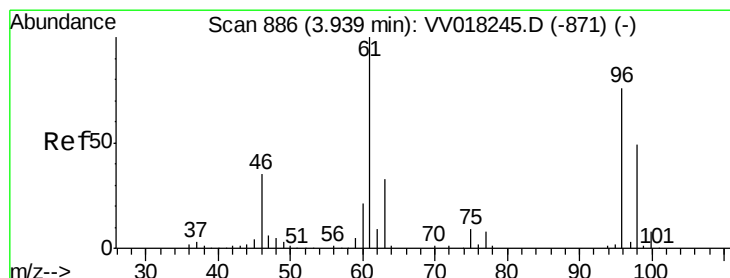
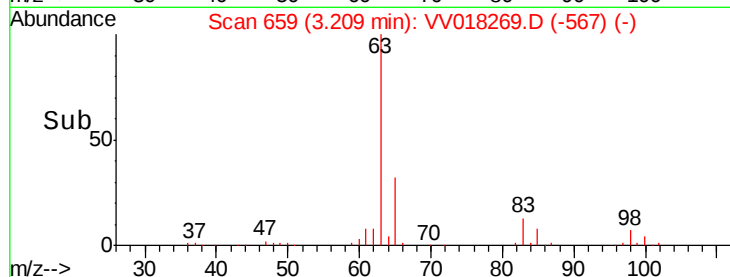
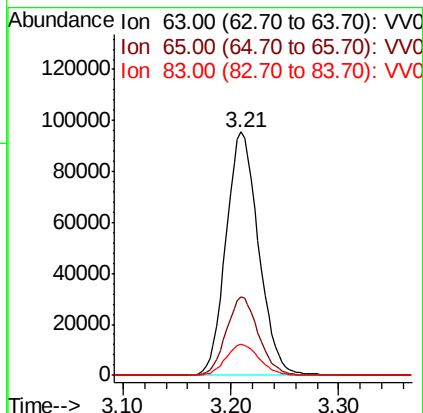
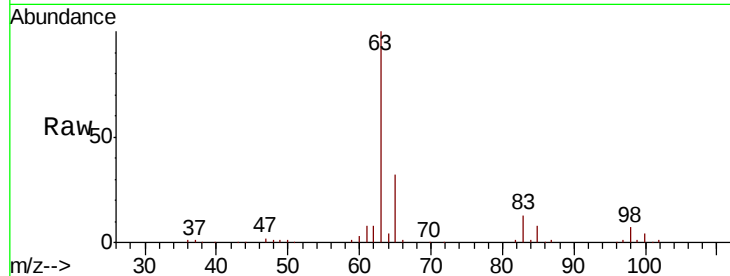




#19
 1,1-Dichloroethane
 Concen: 50.504 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV018269.D
 Acq: 17 Sep 2020 10:52

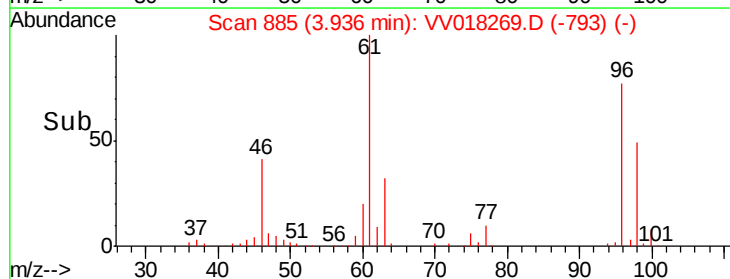
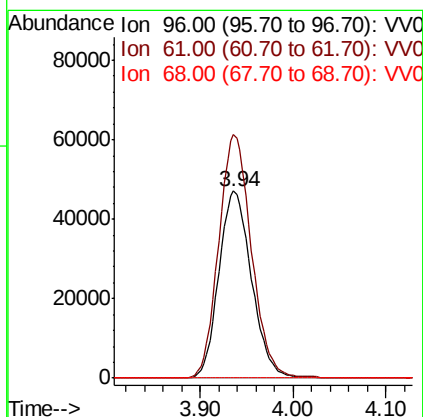
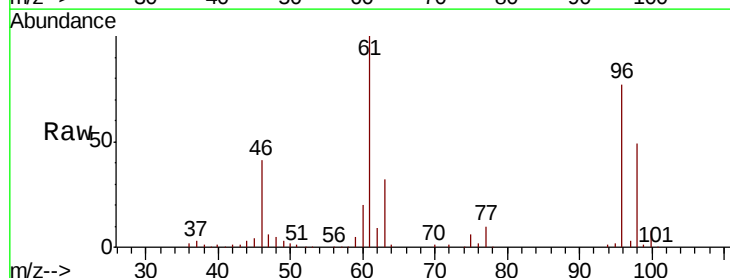
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB

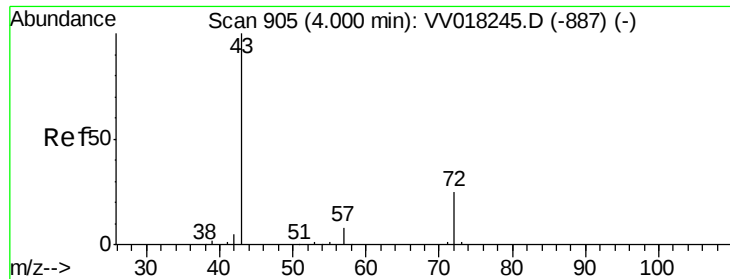
Tot Ion: 63 Resp: 201578
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.5 41.7
 83 12.6 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 51.138 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV018269.D
 Acq: 17 Sep 2020 10:52

Tgt Ion: 96 Resp: 115400
 Ion Ratio Lower Upper
 96 100
 61 130.2 93.6 173.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 111.378 ug/L

RT: 4.00 min Scan# 904

Delta R.T. -0.00 min

Lab File: VV018269.D

Acq: 17 Sep 2020 10:52

Instrument :

MSVOA_V

ClientSampled :

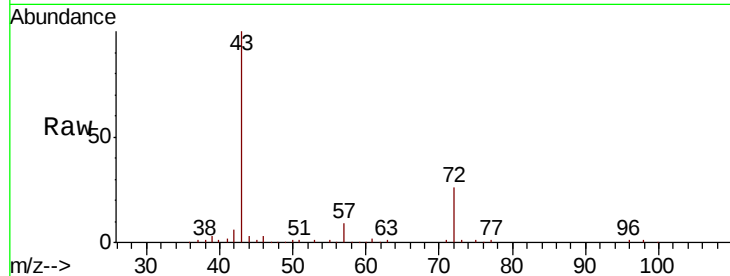
BFB

Tot Ion: 43 Resp: 164348

Ion Ratio Lower Upper

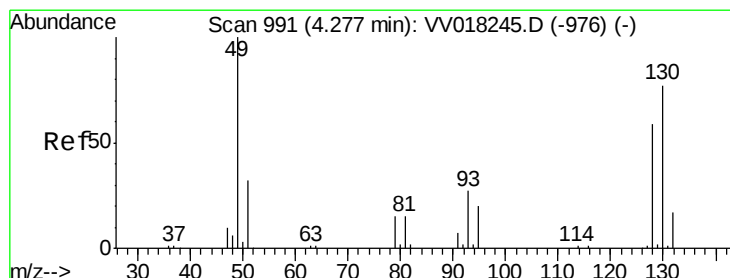
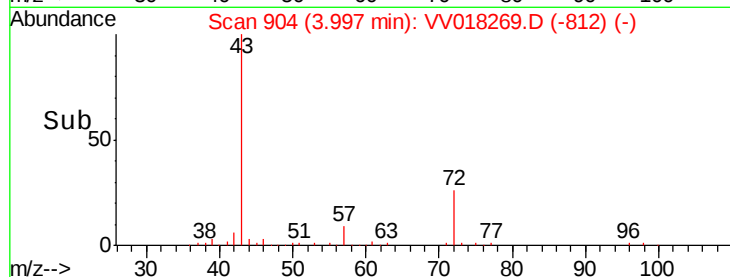
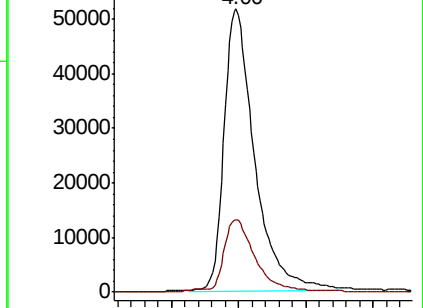
43 100

72 24.5 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV018245.D (-887) (-)

Ion 72.00 (71.70 to 72.70): VV018245.D (-887) (-)



#23

Bromochloromethane

Concen: 50.304 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV018269.D

Acq: 17 Sep 2020 10:52

Tgt Ion: 128 Resp: 59394

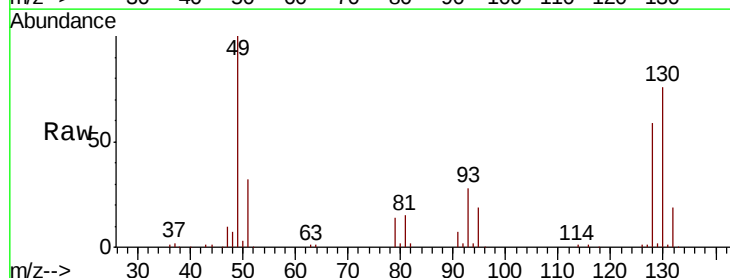
Ion Ratio Lower Upper

128 100

49 170.2 114.4 212.6

130 130.2 87.9 163.3

51 54.6 41.8 62.8

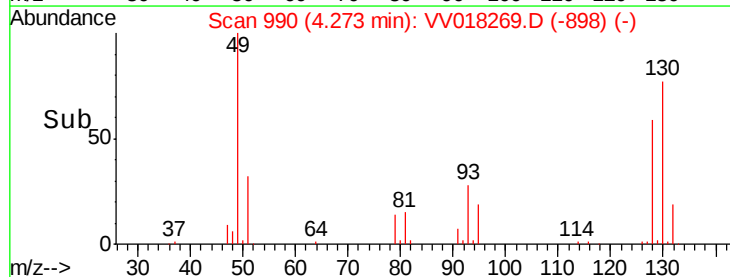
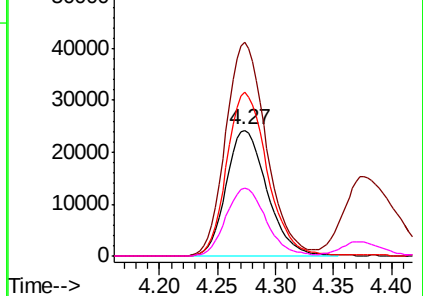


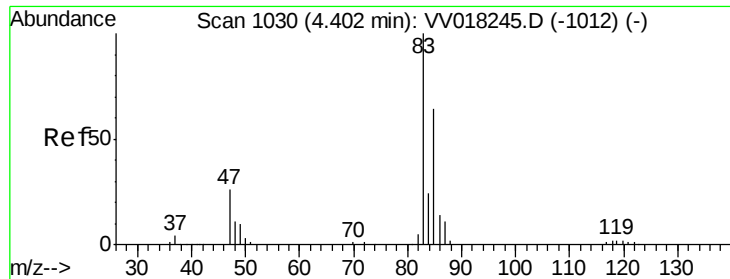
Abundance Ion 128.00 (127.70 to 128.70): VV018269.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV018269.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV018269.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV018269.D (-898) (-)

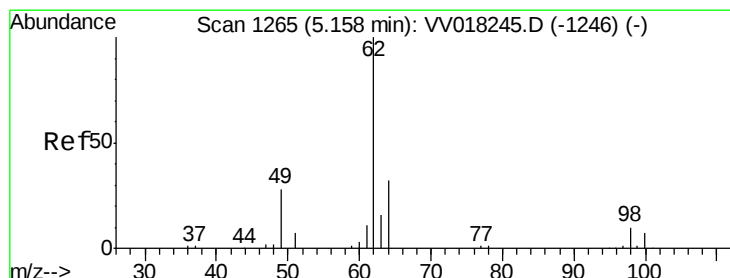
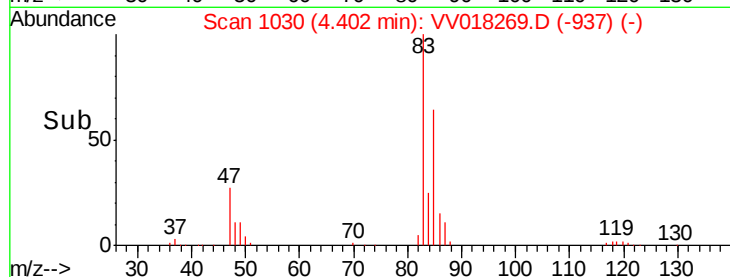
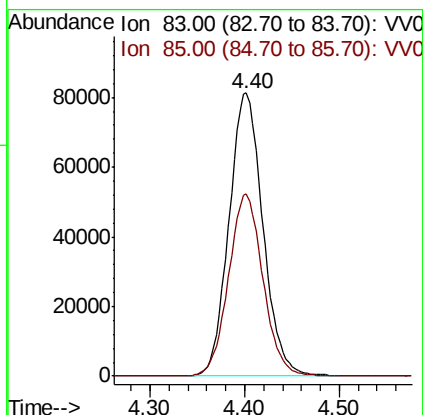
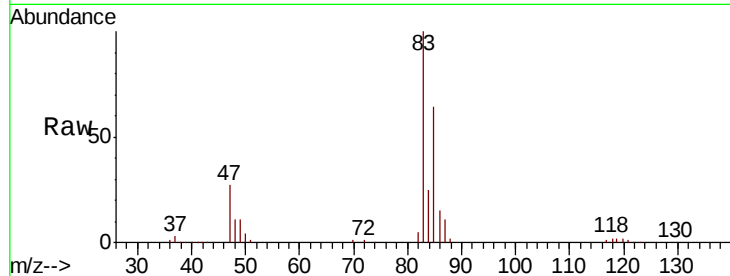




#25
Chloroform
Concen: 49.933 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV018269.D
Acq: 17 Sep 2020 10:52

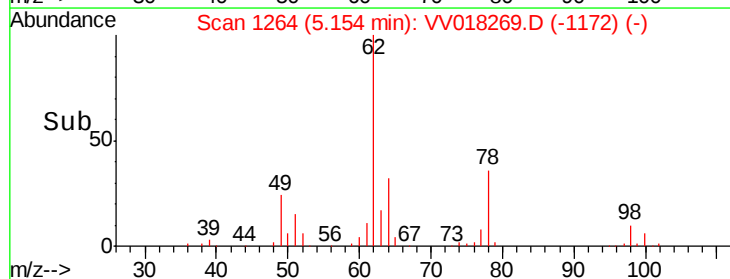
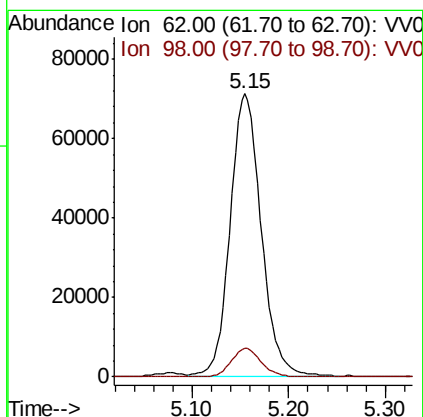
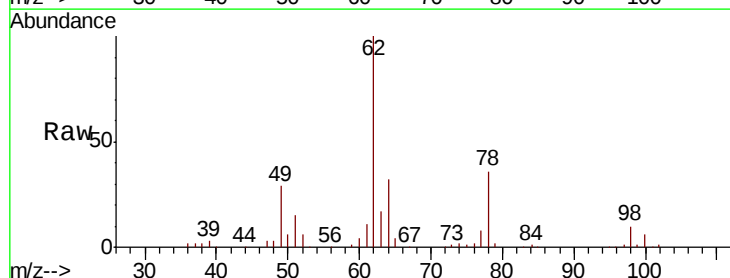
Instrument :
MSVOA_V
ClientSampleId :
BFB

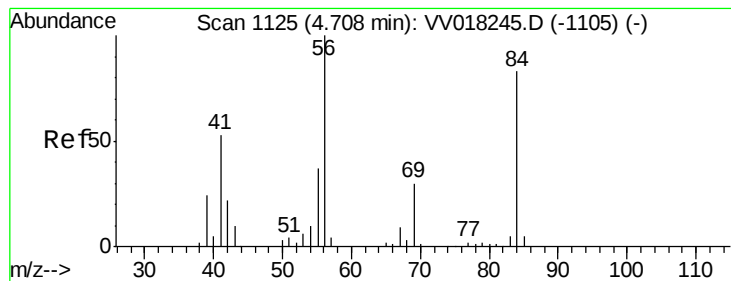
Tot Ion: 83 Resp: 202587
Ion Ratio Lower Upper
83 100
85 64.5 45.0 83.6



#27
1,2-Dichloroethane
Concen: 50.461 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018269.D
Acq: 17 Sep 2020 10:52

Tgt Ion: 62 Resp: 158491
Ion Ratio Lower Upper
62 100
98 10.2 7.6 11.4





#29

Cyclohexane

Concen: 51.936 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018269.D

Acq: 17 Sep 2020 10:52

Instrument :
MSVOA_V
ClientSampled :
BFB

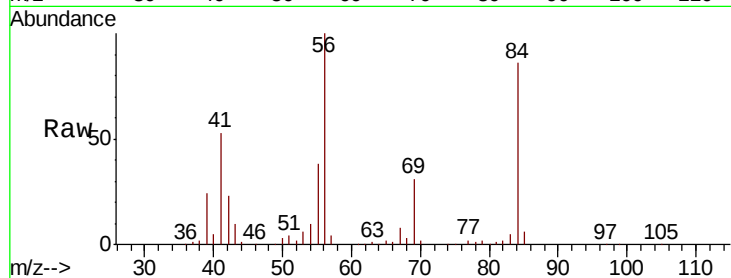
Tot Ion: 56 Resp: 184107

Ion Ratio Lower Upper

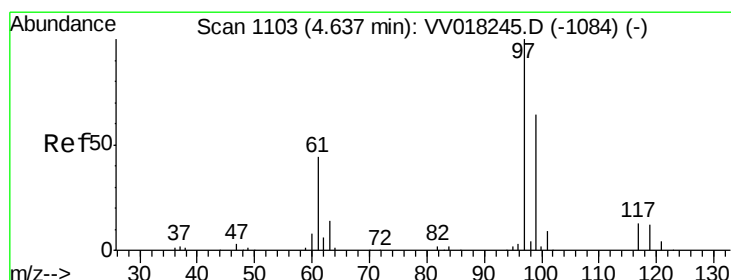
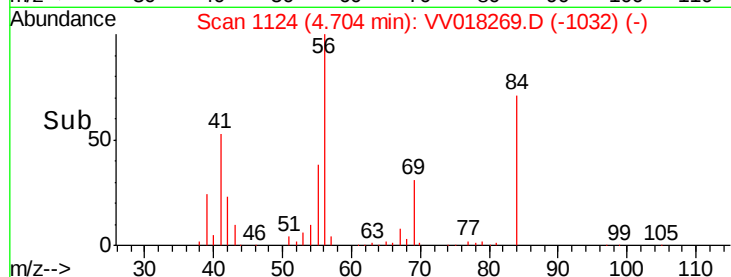
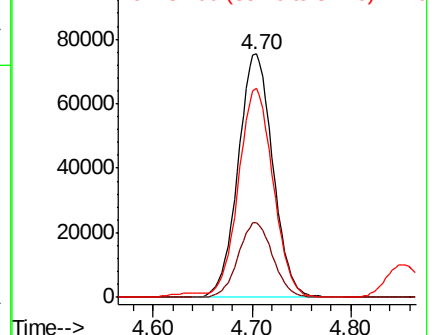
56 100

69 30.4 24.2 36.2

84 85.8 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 50.480 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV018269.D

Acq: 17 Sep 2020 10:52

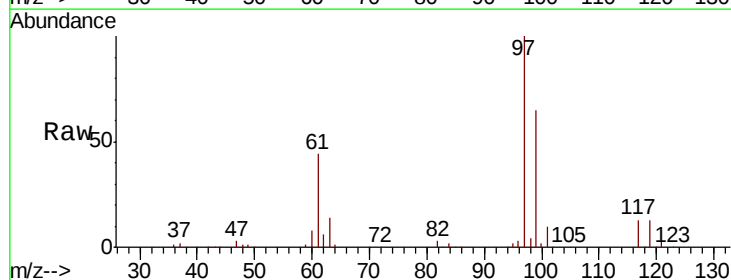
Tgt Ion: 97 Resp: 179846

Ion Ratio Lower Upper

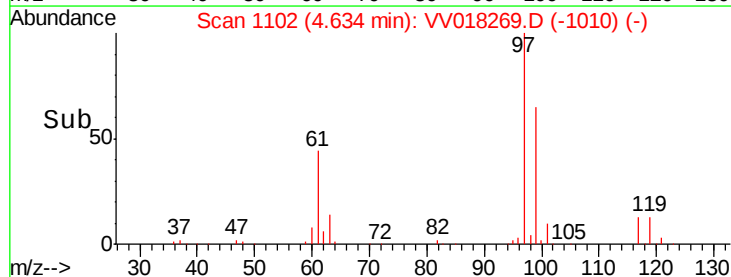
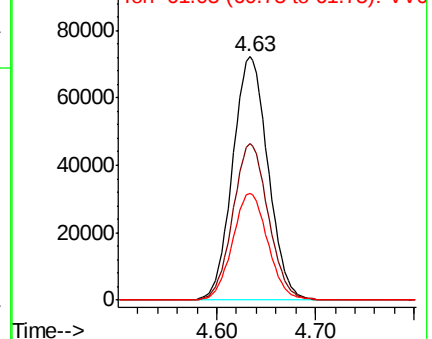
97 100

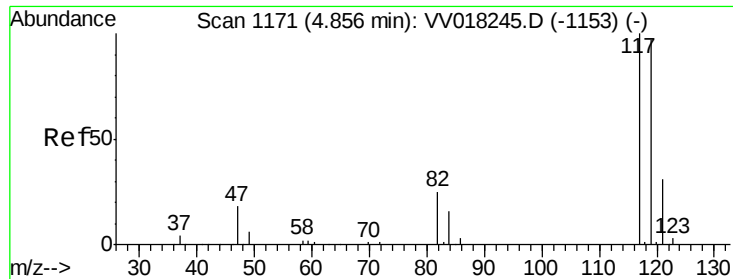
99 64.2 51.6 77.4

61 44.0 34.9 52.3



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0

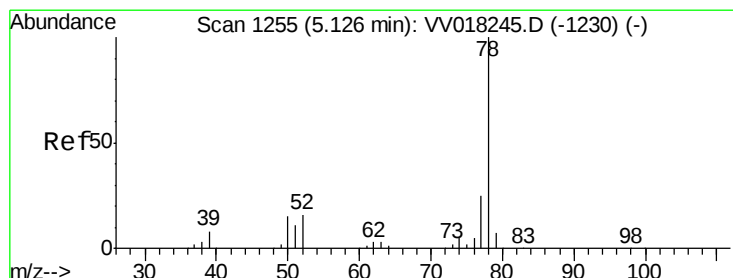
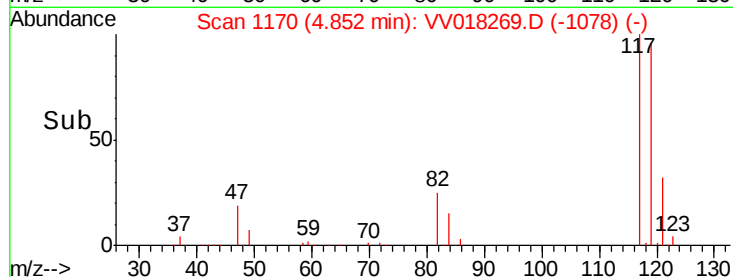
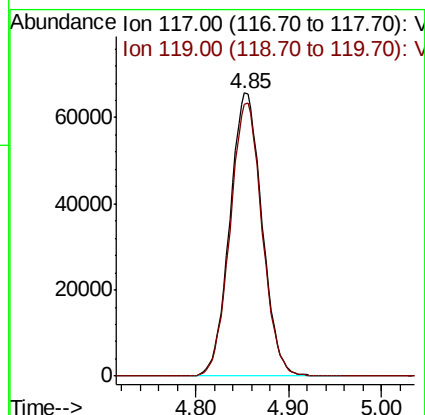
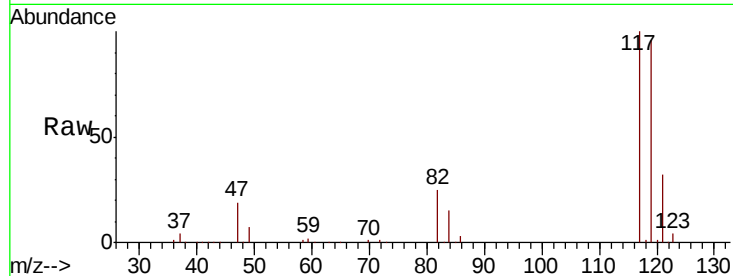




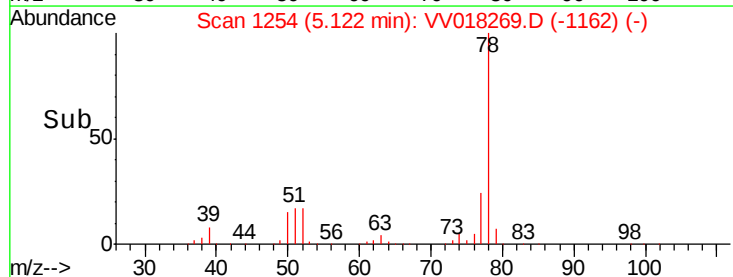
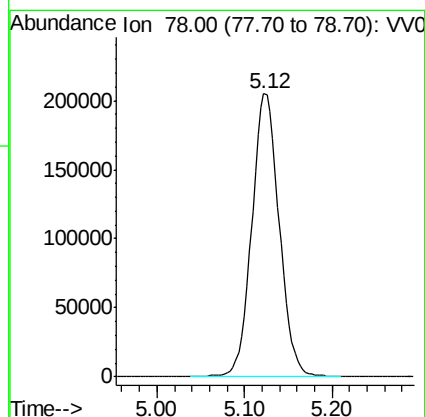
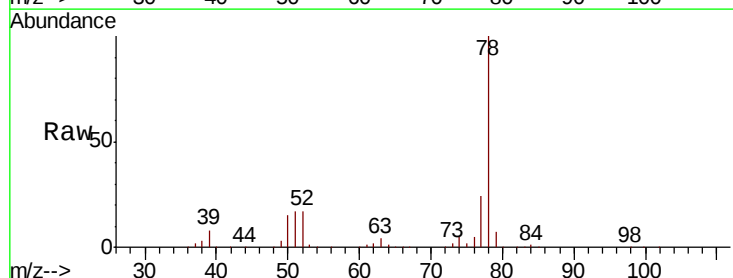
#31
Carbon tetrachloride
Concen: 50.613 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VV018269.D
Acq: 17 Sep 2020 10:52

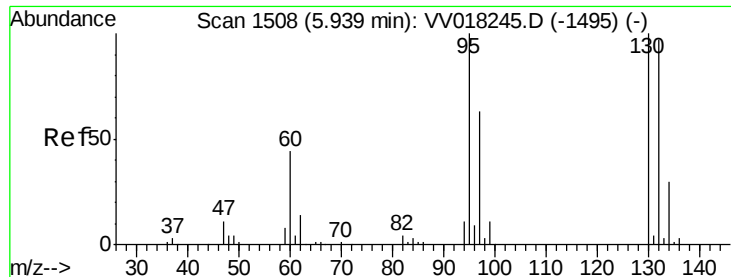
Instrument :
MSVOA_V
ClientSampleId :
BFB

Tot Ion:117 Resp: 158556
Ion Ratio Lower Upper
117 100
119 95.7 75.7 113.5



#33
Benzene
Concen: 50.782 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV018269.D
Acq: 17 Sep 2020 10:52
Tgt Ion: 78 Resp: 445715

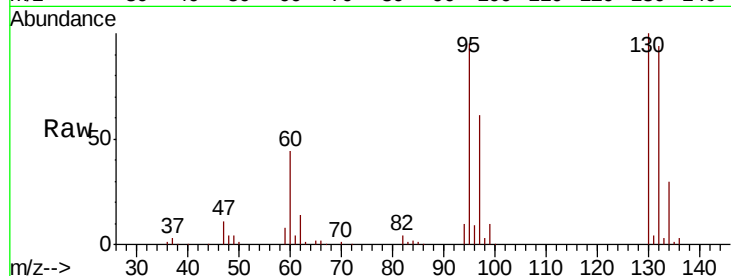




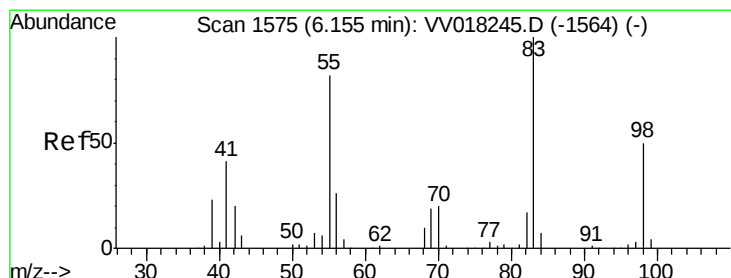
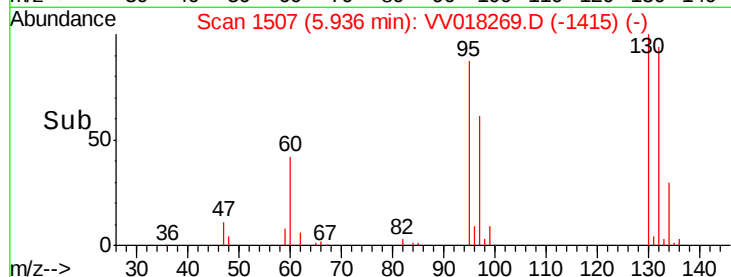
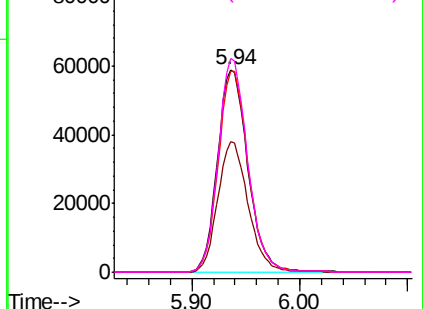
#34
 Trichloroethene
 Concen: 48.547 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV018269.D
 Acq: 17 Sep 2020 10:52

Instrument :
 MSVOA_V
 ClientSampleID :
 BFB

Tot Ion: 95 Resp: 116075
 Ion Ratio Lower Upper
 95 100
 97 64.4 46.3 85.9
 132 98.9 68.1 126.5
 130 105.3 71.5 132.9

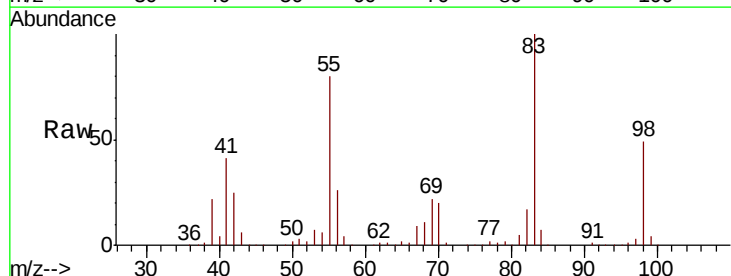


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

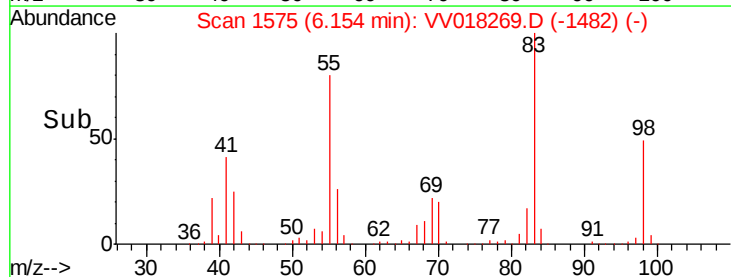
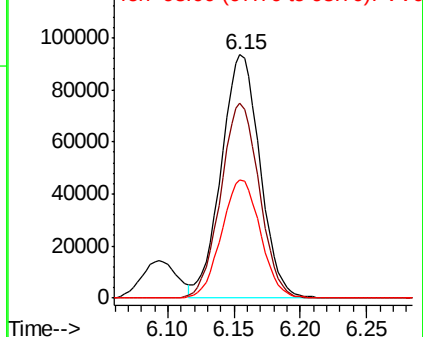


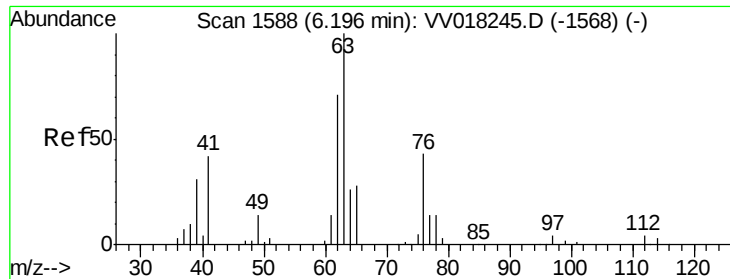
#35
 Methylcyclohexane
 Concen: 52.585 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV018269.D
 Acq: 17 Sep 2020 10:52

Tgt Ion: 83 Resp: 189305
 Ion Ratio Lower Upper
 83 100
 55 79.9 63.4 95.2
 98 49.0 38.8 58.2



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

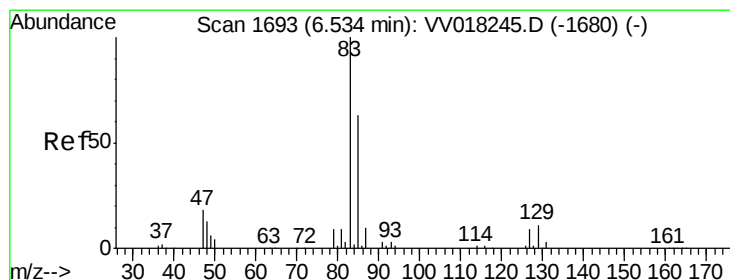
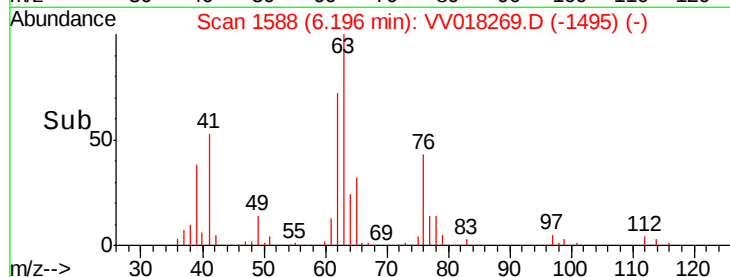
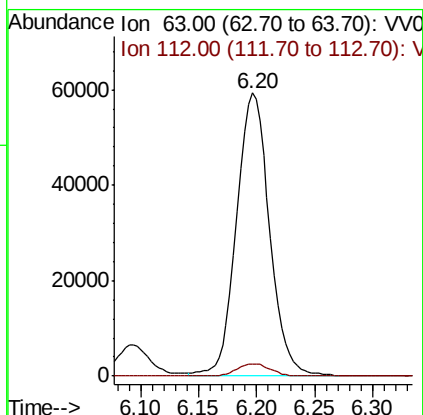
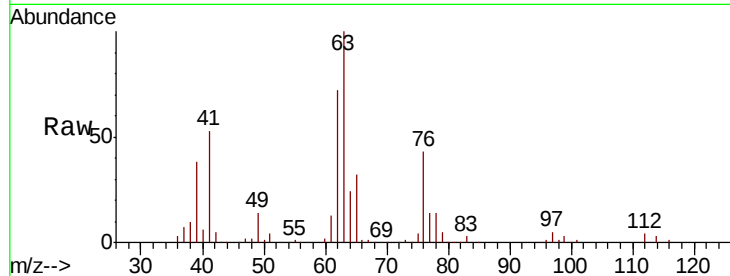




#37
 1,2-Dichloropropane
 Concen: 50.168 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV018269.D
 Acq: 17 Sep 2020 10:52

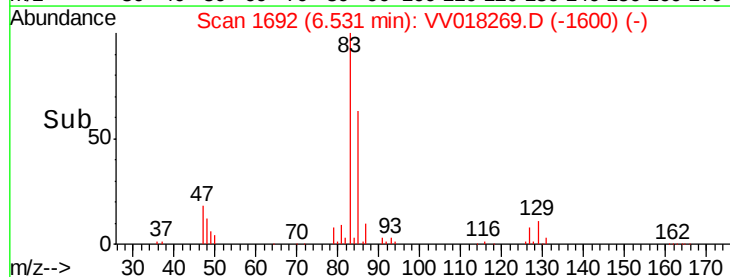
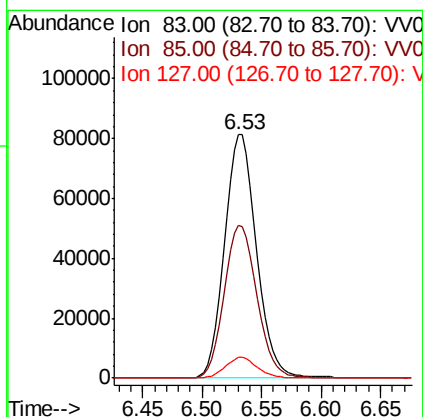
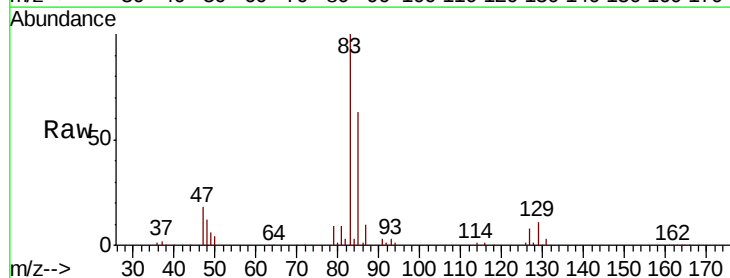
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB

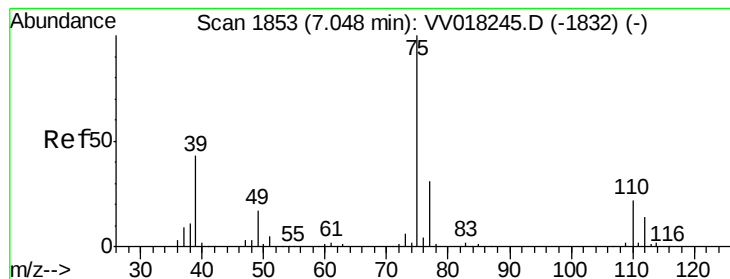
Tot Ion: 63 Resp: 116683
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.4 5.2



#38
 Bromodichloromethane
 Concen: 50.051 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV018269.D
 Acq: 17 Sep 2020 10:52

Tgt Ion: 83 Resp: 151488
 Ion Ratio Lower Upper
 83 100
 85 62.8 44.7 82.9
 127 8.4 6.7 10.1



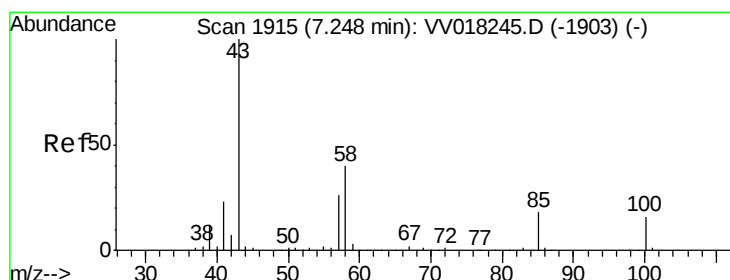
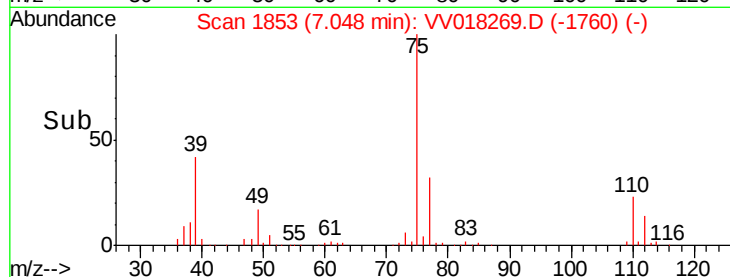
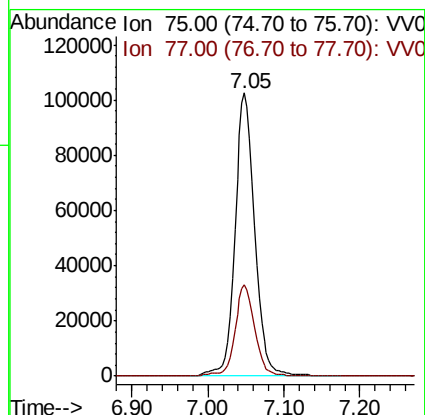
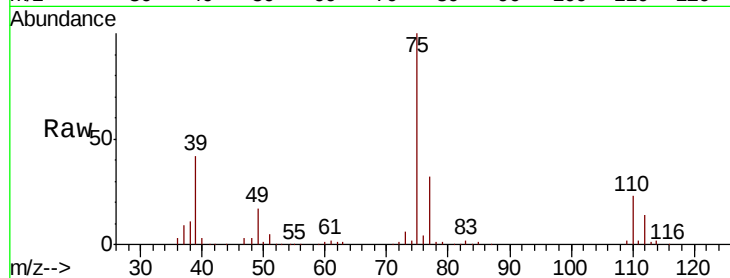


#39

cis-1,3-Dichloropropene
Concen: 51.552 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV018269.D
Acq: 17 Sep 2020 10:52

Instrument :
MSVOA_V
ClientSampled :
BFB

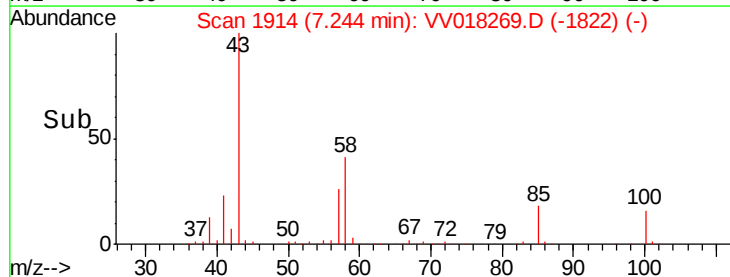
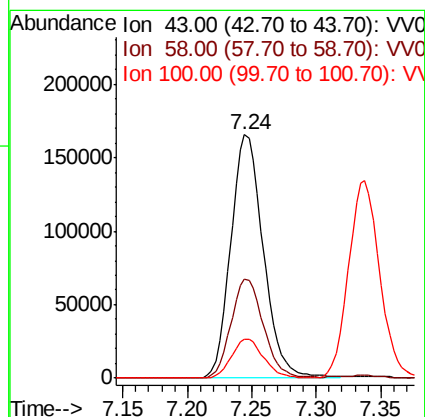
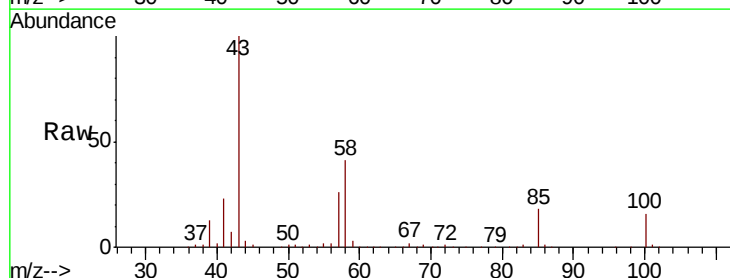
Tot Ion: 75 Resp: 184741
Ion Ratio Lower Upper
75 100
77 32.1 22.3 41.3

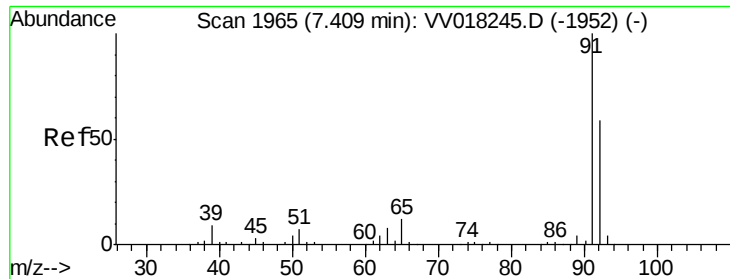


#40

4-Methyl-2-pentanone
Concen: 103.099 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV018269.D
Acq: 17 Sep 2020 10:52

Tgt Ion: 43 Resp: 290904
Ion Ratio Lower Upper
43 100
58 40.5 32.4 48.6
100 15.8 12.7 19.1





#42

Toluene

Concen: 51.910 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018269.D

Acq: 17 Sep 2020 10:52

Instrument :

MSVOA_V

ClientSampleId :

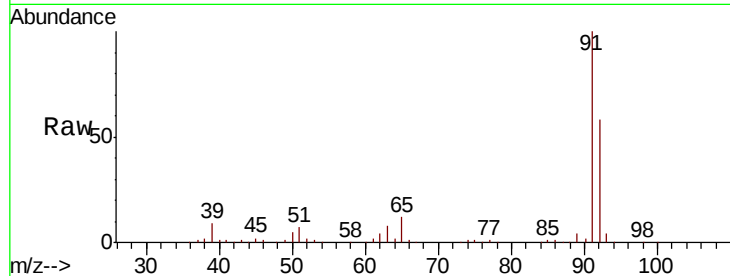
BFB

Tot Ion: 91 Resp: 482171

Ion Ratio Lower Upper

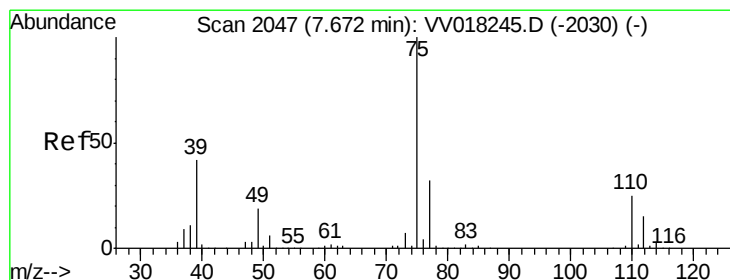
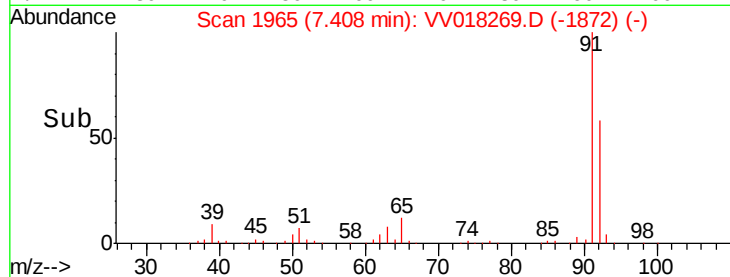
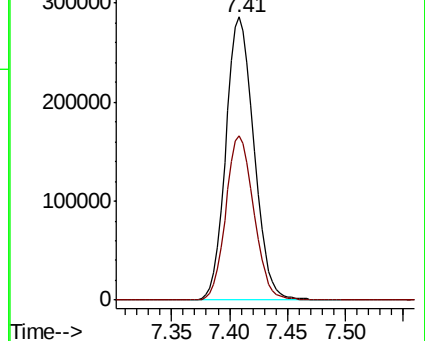
91 100

92 58.2 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 51.219 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV018269.D

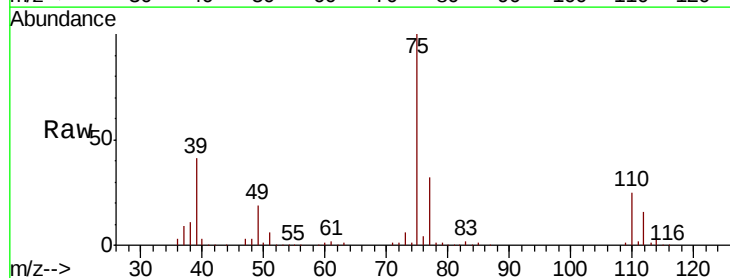
Acq: 17 Sep 2020 10:52

Tgt Ion: 75 Resp: 178712

Ion Ratio Lower Upper

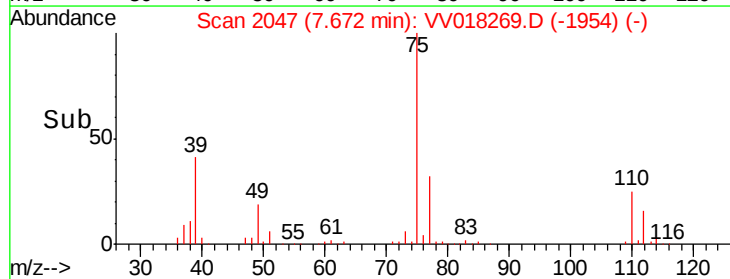
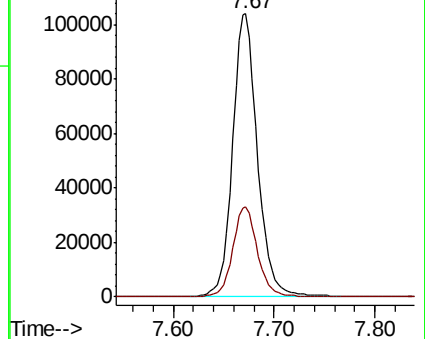
75 100

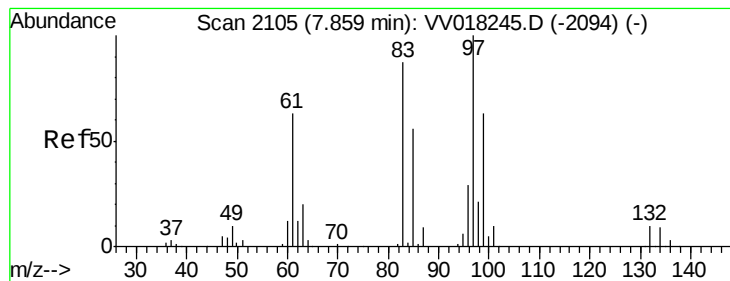
77 31.8 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#45

1,1,2-Trichloroethane

Concen: 50.371 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV018269.D

Acq: 17 Sep 2020 10:52

Instrument :

MSVOA_V

ClientSampleId :

BFB

Tot Ion: 97 Resp: 108587

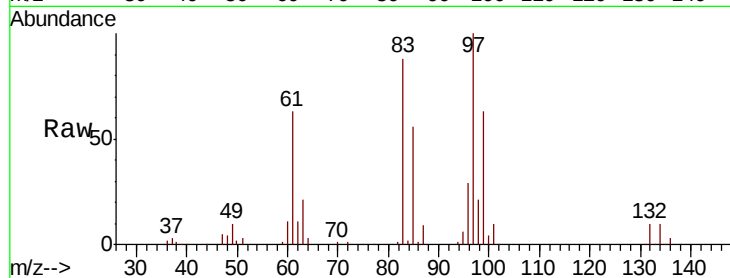
Ion Ratio Lower Upper

97 100

99 63.0 43.7 81.1

83 87.6 59.9 111.3

85 55.7 37.6 69.8

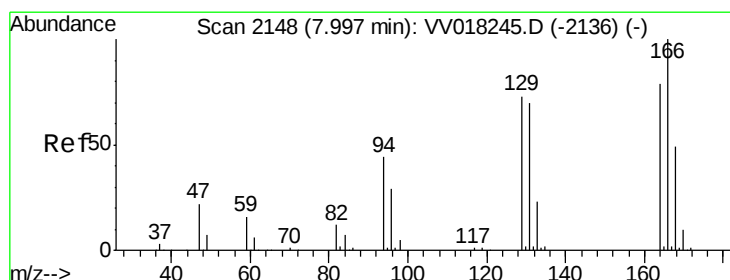
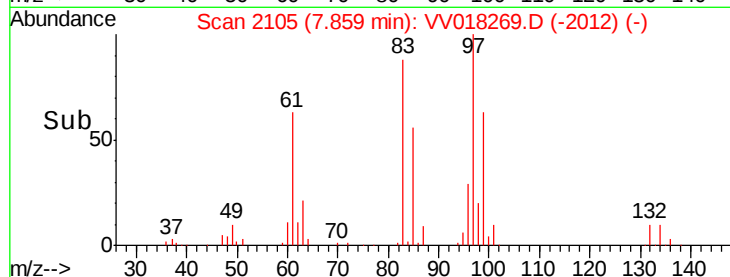
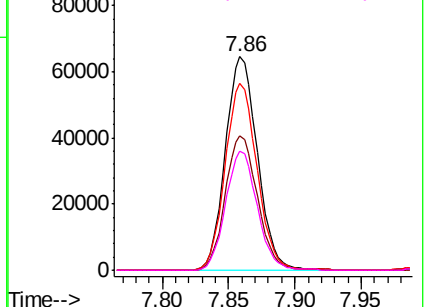


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 51.347 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV018269.D

Acq: 17 Sep 2020 10:52

Tgt Ion: 164 Resp: 96260

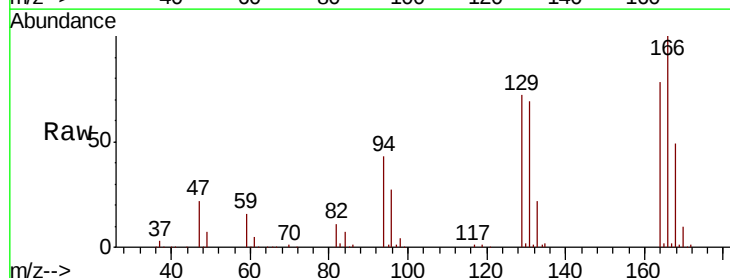
Ion Ratio Lower Upper

164 100

129 92.0 64.5 119.7

131 87.8 61.8 114.8

166 128.1 90.6 168.2

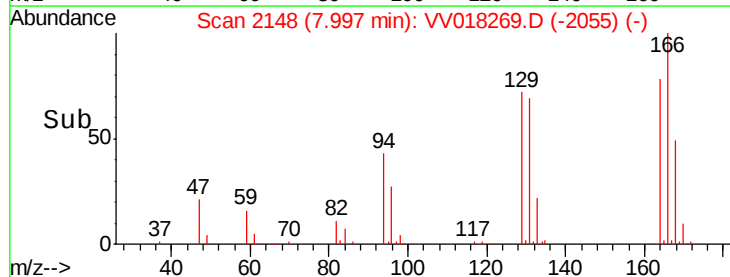
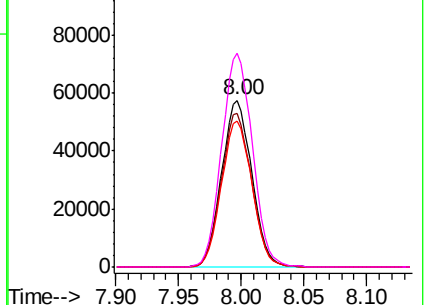


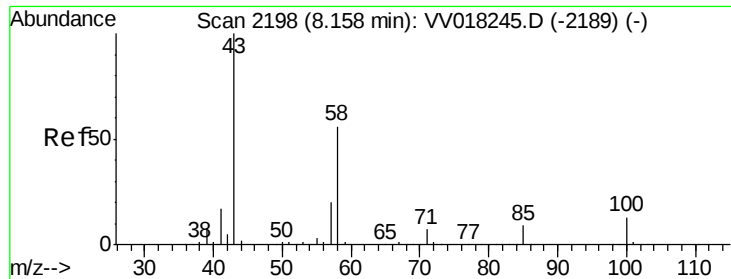
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

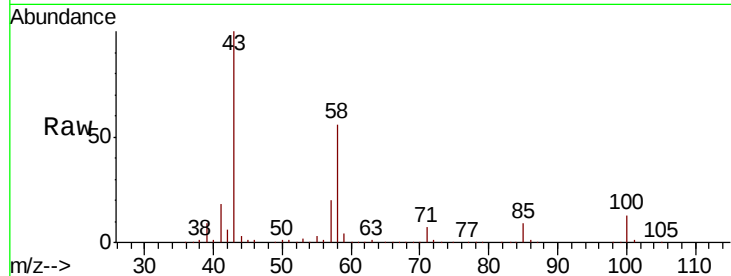




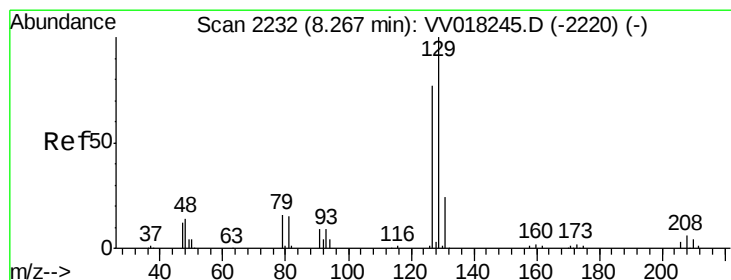
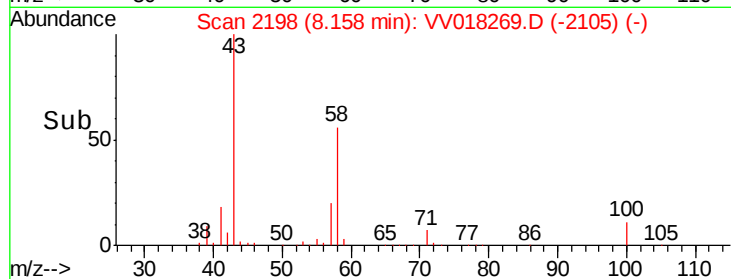
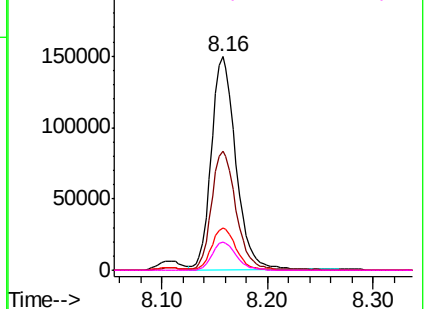
#48
2-Hexanone
Concen: 108.935 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018269.D
Acq: 17 Sep 2020 10:52

Instrument :
MSVOA_V
ClientSampleId :
BFB

Tot Ion: 43 Resp: 242326
Ion Ratio Lower Upper
43 100
58 55.5 44.8 67.2
57 19.2 15.8 23.6
100 13.0 10.2 15.4

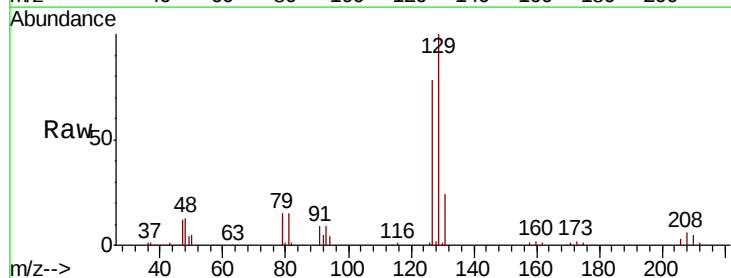


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

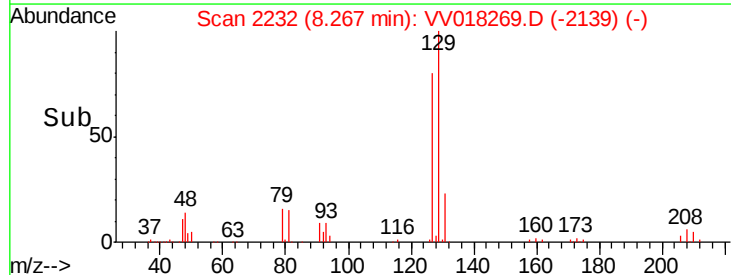
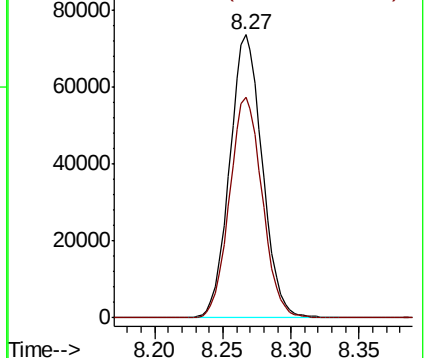


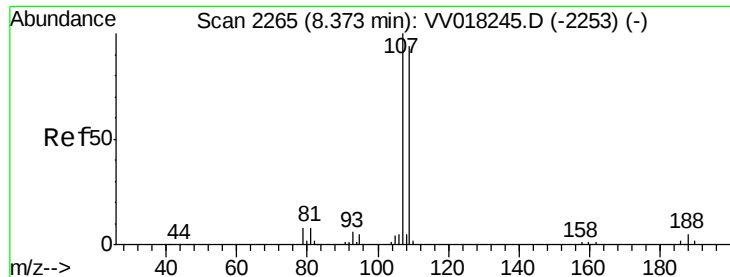
#49
Dibromochloromethane
Concen: 50.580 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018269.D
Acq: 17 Sep 2020 10:52

Tgt Ion: 129 Resp: 122392
Ion Ratio Lower Upper
129 100
127 78.0 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

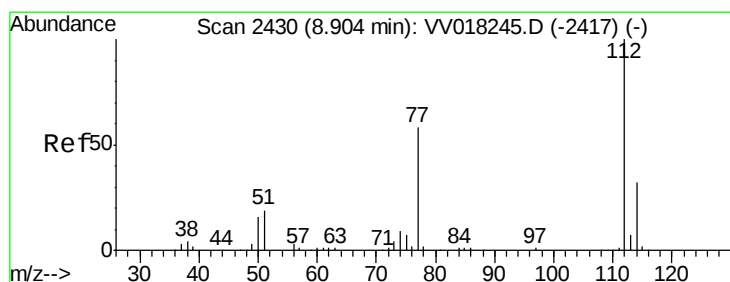
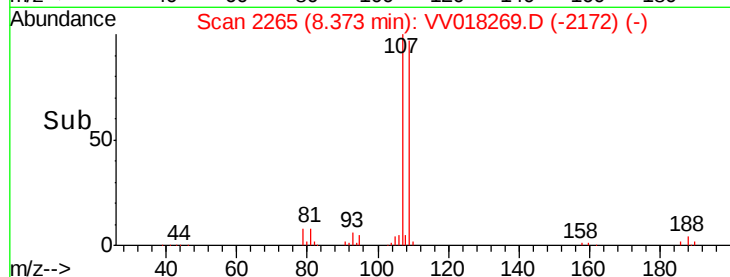
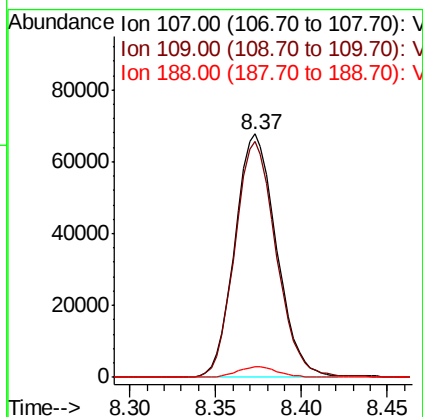
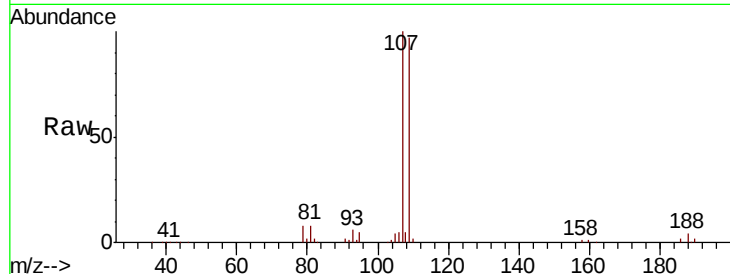




#50
 1,2-Dibromoethane
 Concen: 50.179 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV018269.D
 Acq: 17 Sep 2020 10:52

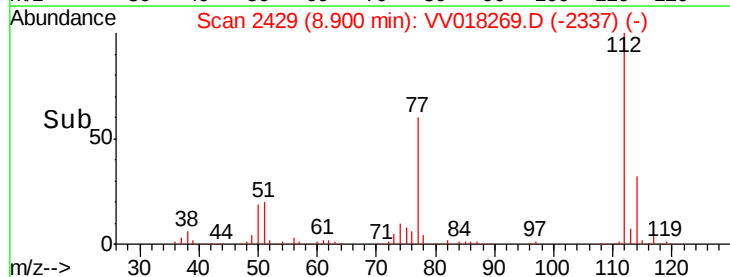
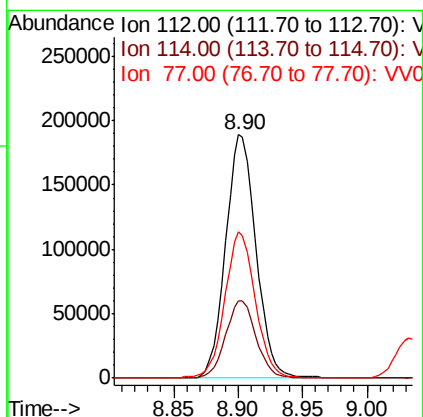
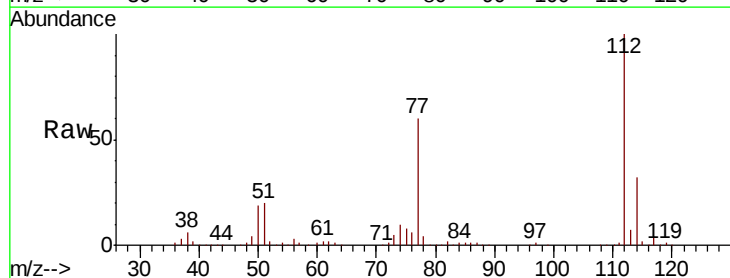
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB

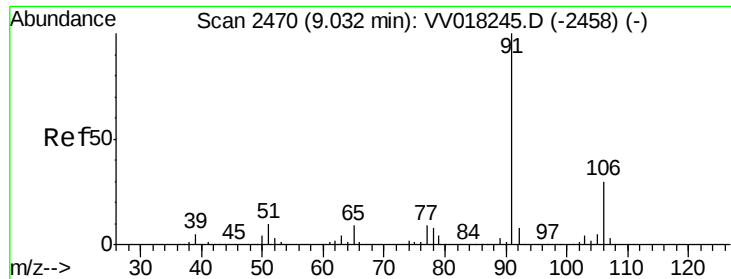
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.9	66.1	122.8
188	4.3	3.2	4.8



#51
 Chlorobenzene
 Concen: 51.139 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV018269.D
 Acq: 17 Sep 2020 10:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.6	42.0
77	60.1	48.0	72.0





#52

Ethylbenzene

Concen: 52.623 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018269.D

Acq: 17 Sep 2020 10:52

Instrument :

MSVOA_V

ClientSampleId :

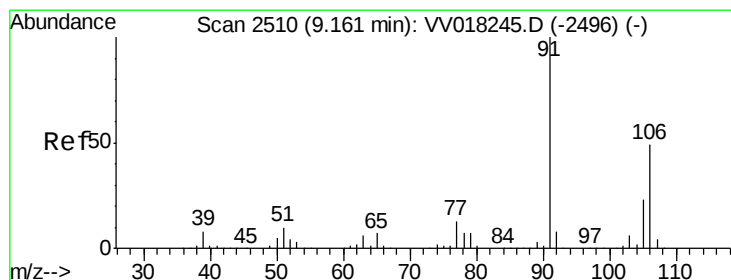
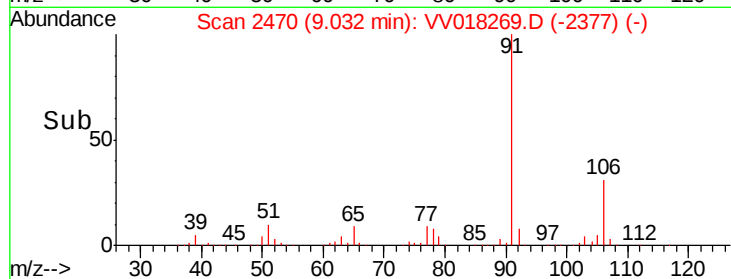
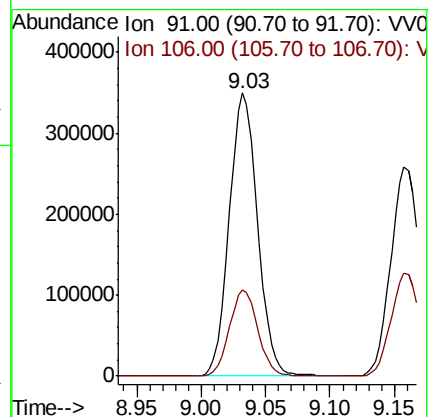
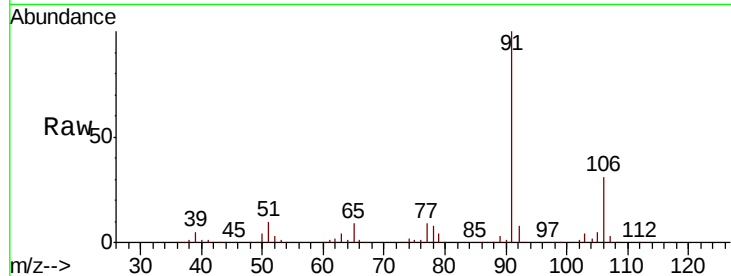
BFB

Tot Ion: 91 Resp: 533635

Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.5



#53

m,p-Xylene

Concen: 53.430 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018269.D

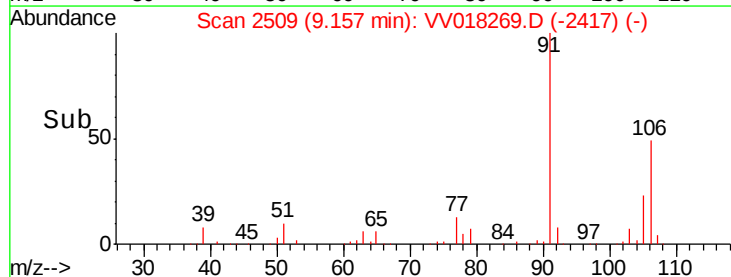
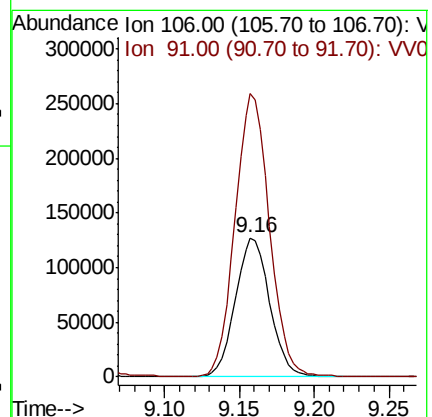
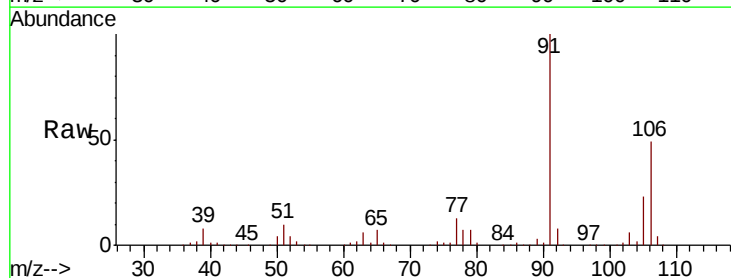
Acq: 17 Sep 2020 10:52

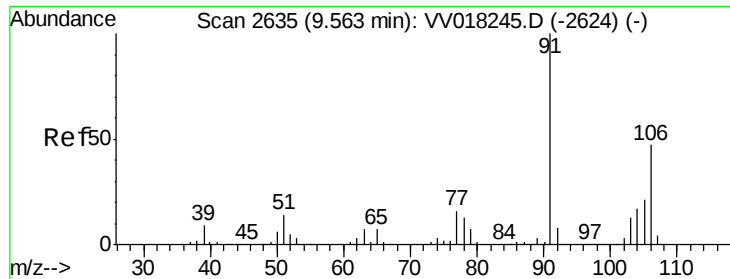
Tgt Ion: 106 Resp: 202239

Ion Ratio Lower Upper

106 100

91 203.8 146.7 272.5





#54

o-xylene

Concen: 52.953 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018269.D

Acq: 17 Sep 2020 10:52

Instrument :

MSVOA_V

ClientSampled :

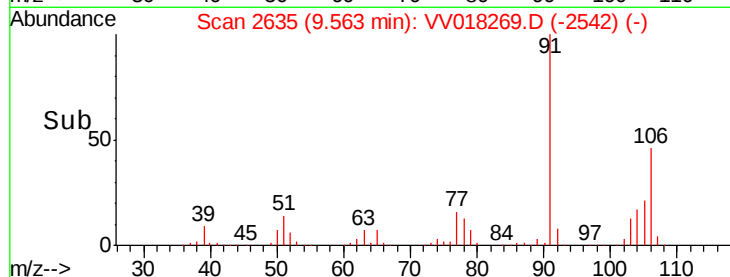
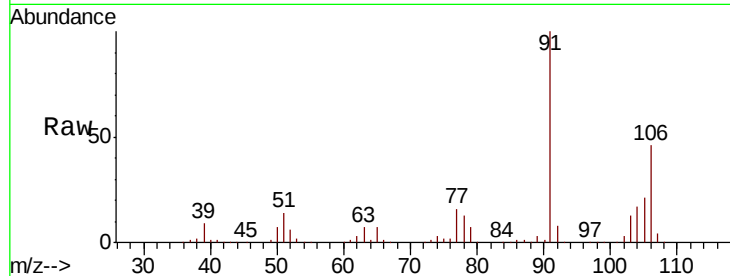
BFB

Tot Ion:106 Resp: 193095

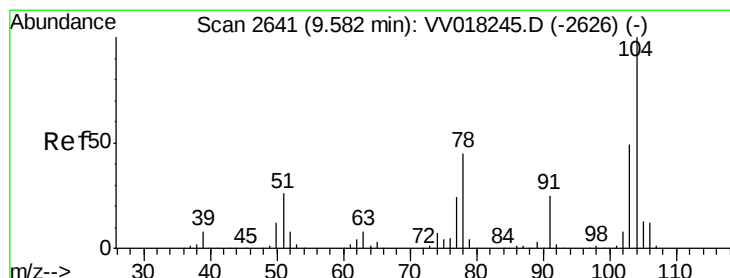
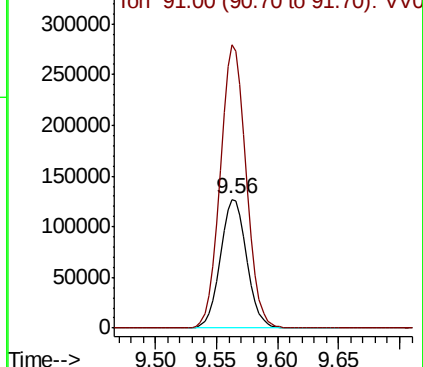
Ion Ratio Lower Upper

106 100

91 219.5 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 54.102 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018269.D

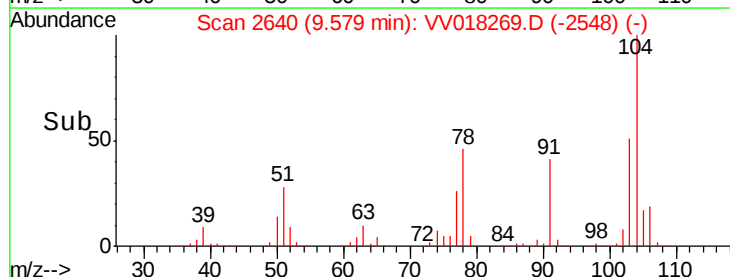
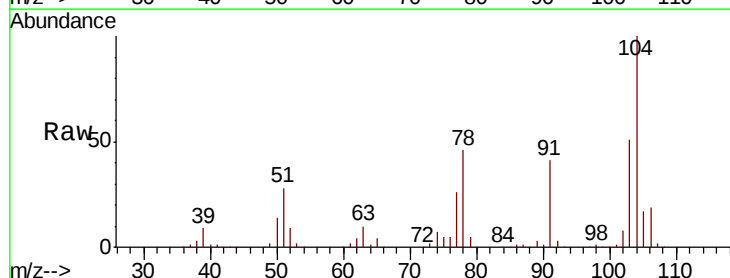
Acq: 17 Sep 2020 10:52

Tgt Ion:104 Resp: 342903

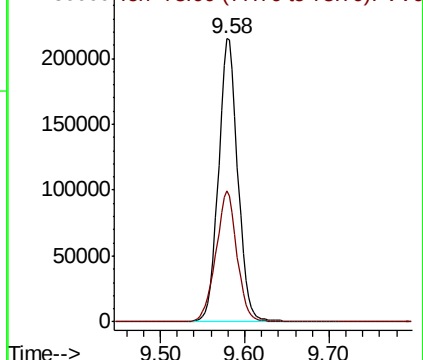
Ion Ratio Lower Upper

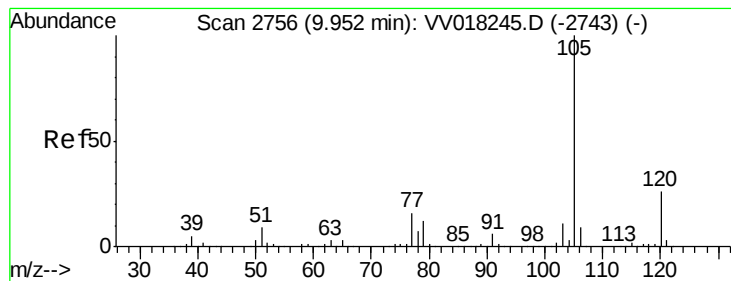
104 100

78 46.2 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V





#56

Isopropylbenzene

Concen: 53.694 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018269.D

Acq: 17 Sep 2020 10:52

Instrument :

MSVOA_V

ClientSampled :

BFB

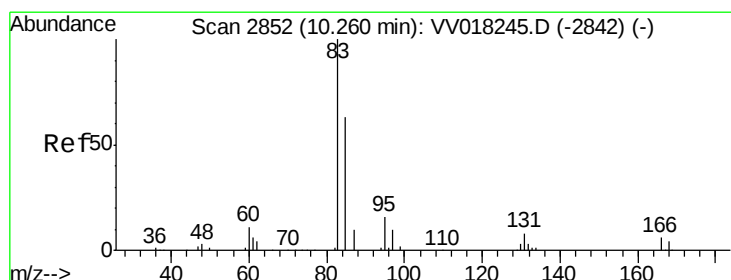
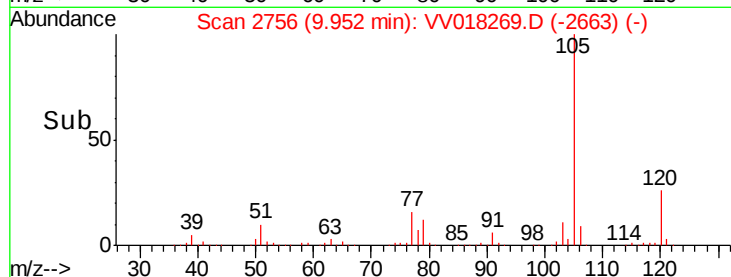
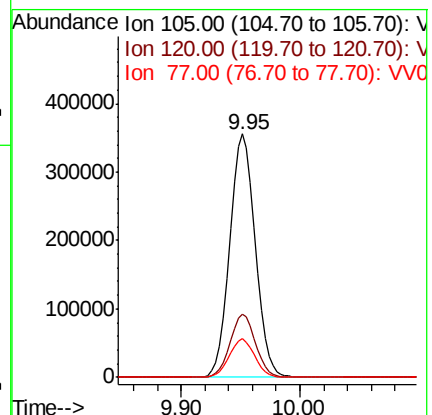
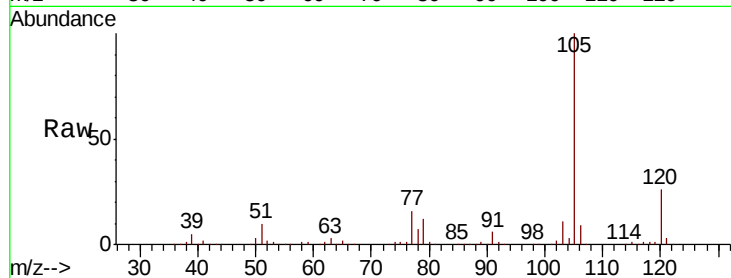
Tot Ion:105 Resp: 527684

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

77 15.8 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 54.531 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018269.D

Acq: 17 Sep 2020 10:52

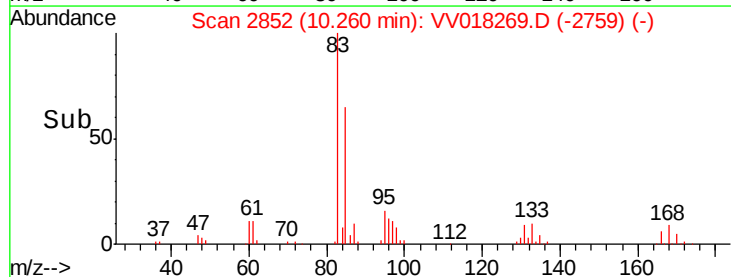
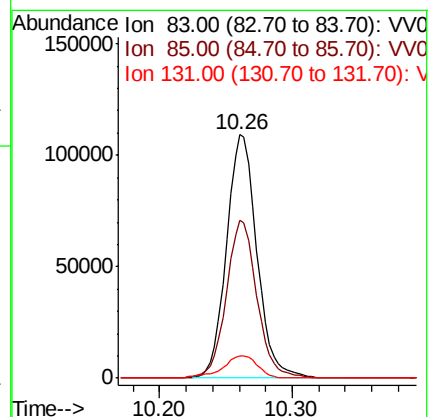
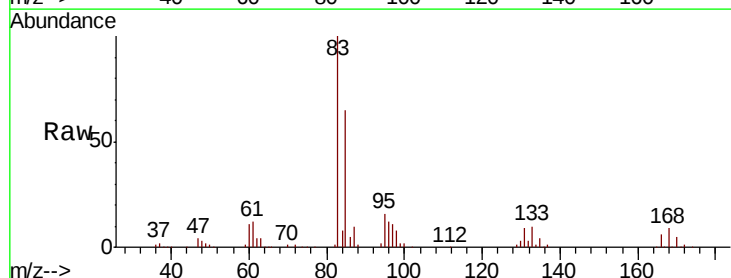
Tgt Ion: 83 Resp: 173890

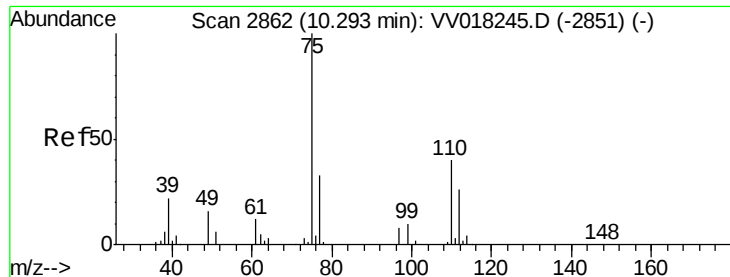
Ion Ratio Lower Upper

83 100

85 64.8 45.8 85.2

131 9.3 8.0 12.0

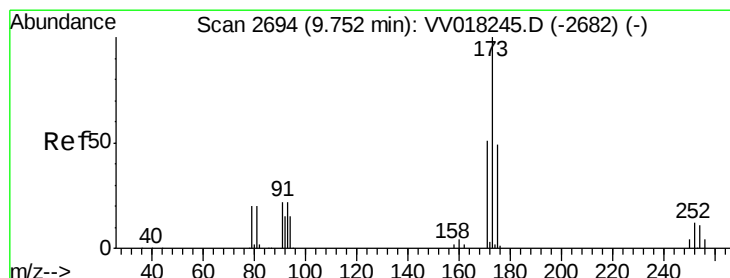
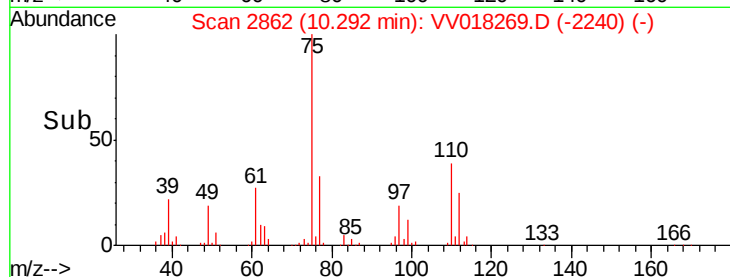
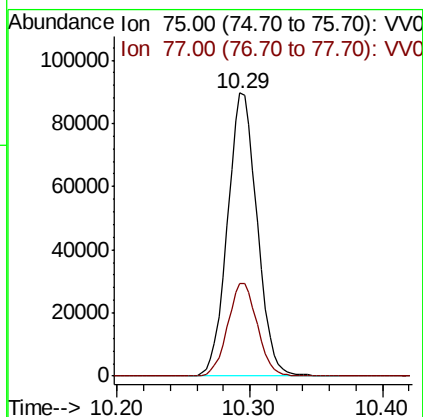
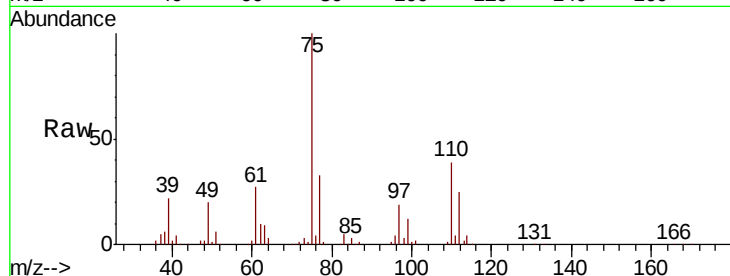




#59
 1,2,3-Trichloropropane
 Concen: 50.845 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV018269.D
 Acq: 17 Sep 2020 10:52

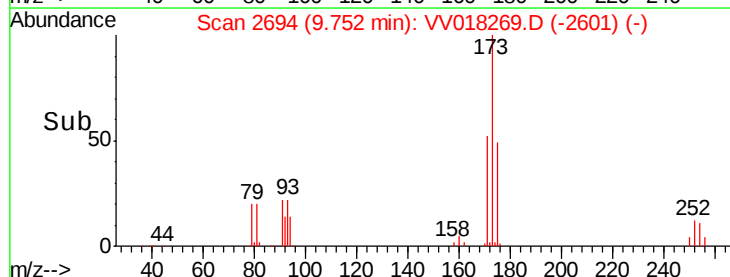
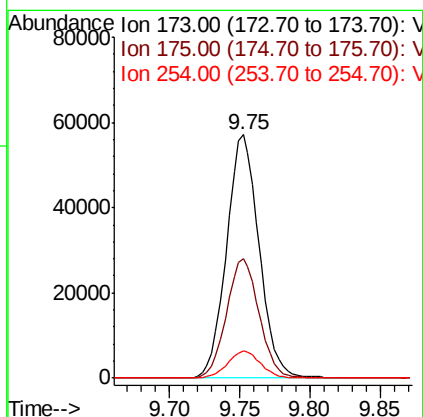
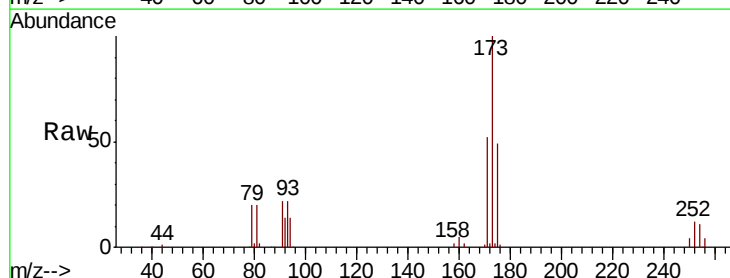
Instrument :
 MSVOA_V
 ClientSampled :
 BFB

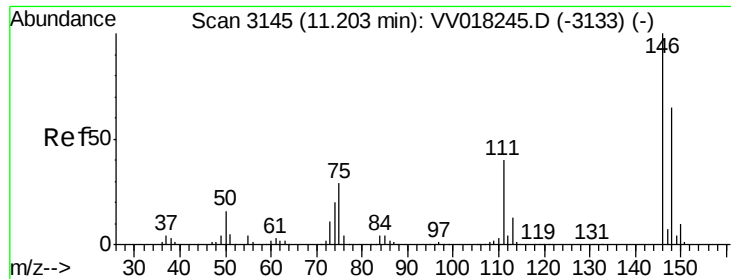
Tot Ion: 75 Resp: 139091
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.8 38.6



#61
 Bromoform
 Concen: 50.261 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV018269.D
 Acq: 17 Sep 2020 10:52

Tgt Ion: 173 Resp: 92132
 Ion Ratio Lower Upper
 173 100
 175 49.4 39.0 58.6
 254 11.1 9.0 13.4

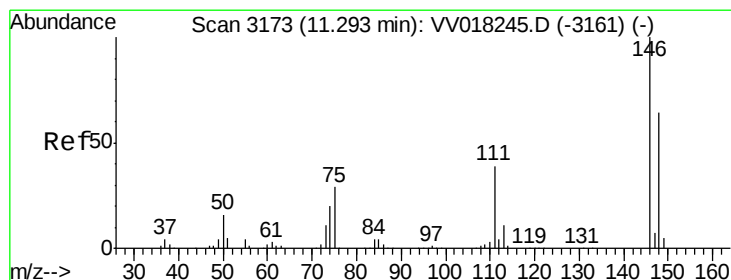
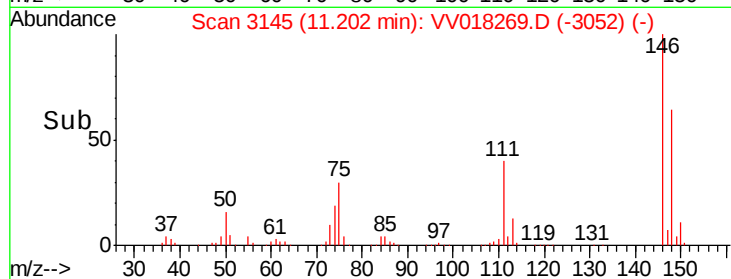
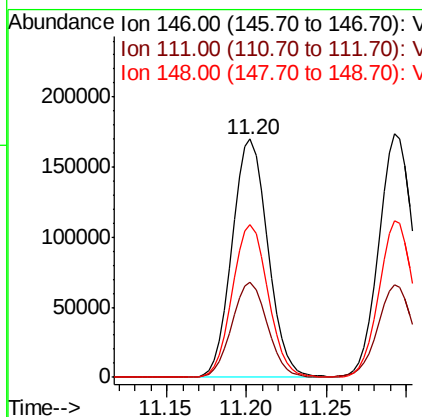
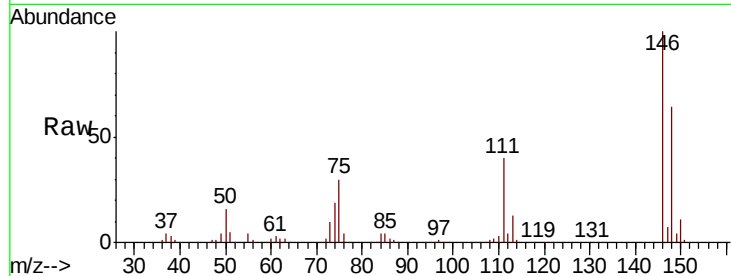




#62
 1,3-Dichlorobenzene
 Concen: 50.905 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV018269.D
 Acq: 17 Sep 2020 10:52

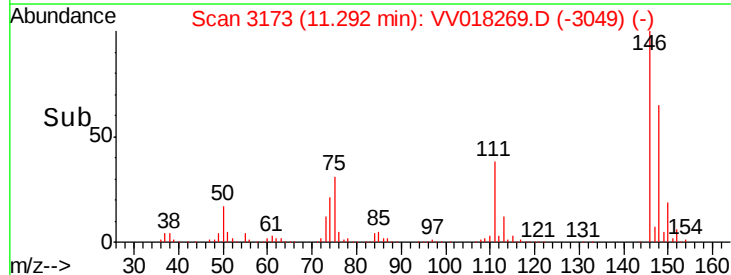
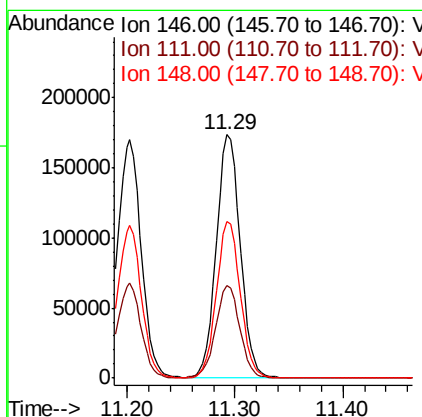
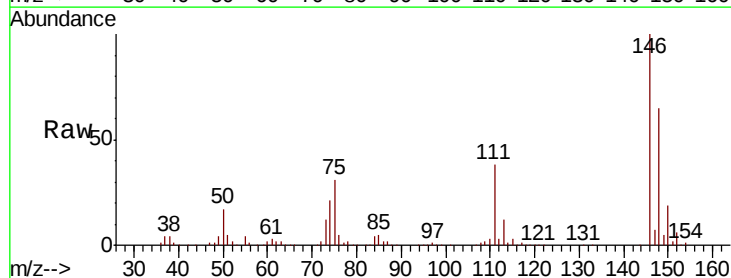
Instrument :
 MSVOA_V
 ClientSampled :
 BFB

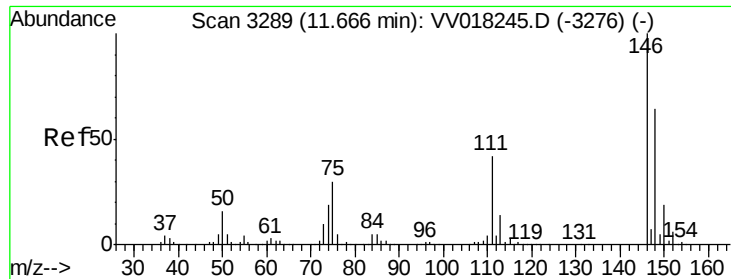
Tot Ion:146 Resp: 258283
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.6 51.2
 148 64.3 45.4 84.2



#63
 1,4-Dichlorobenzene
 Concen: 51.318 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018269.D
 Acq: 17 Sep 2020 10:52

Tgt Ion:146 Resp: 267633
 Ion Ratio Lower Upper
 146 100
 111 38.2 27.1 50.3
 148 64.5 45.4 84.2

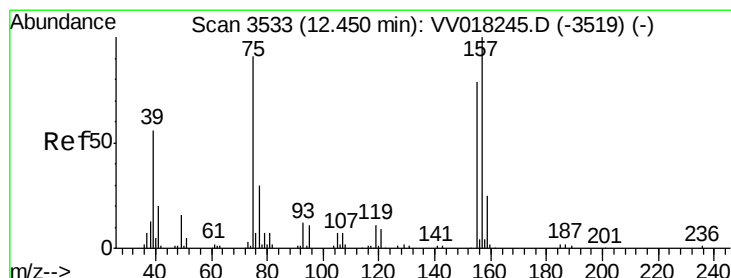
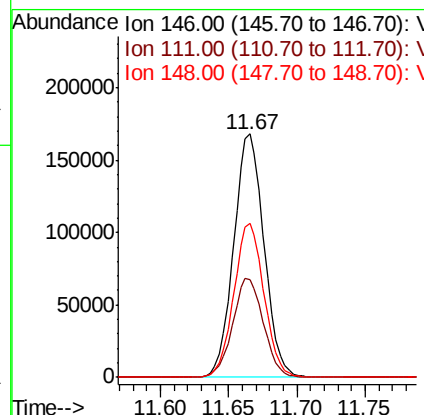
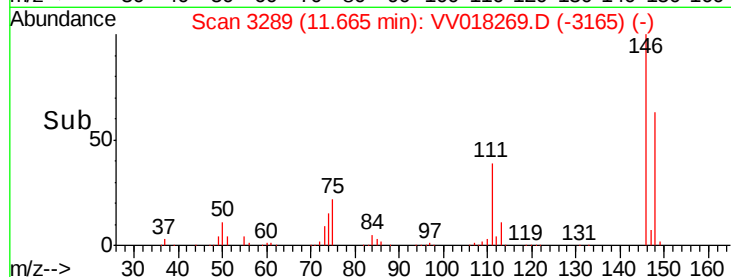
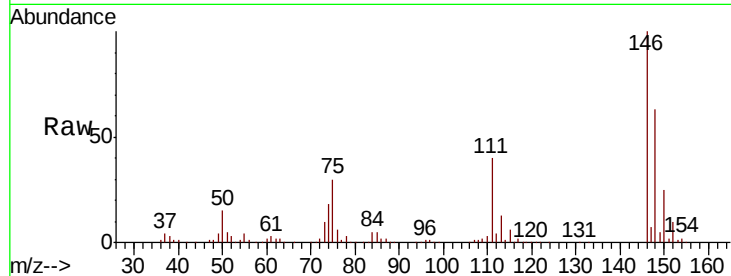




#65
 1,2-Dichlorobenzene
 Concen: 50.559 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018269.D
 Acq: 17 Sep 2020 10:52

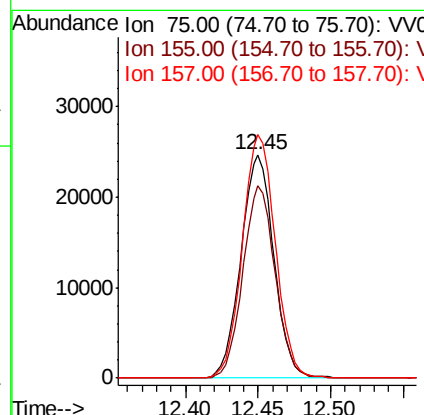
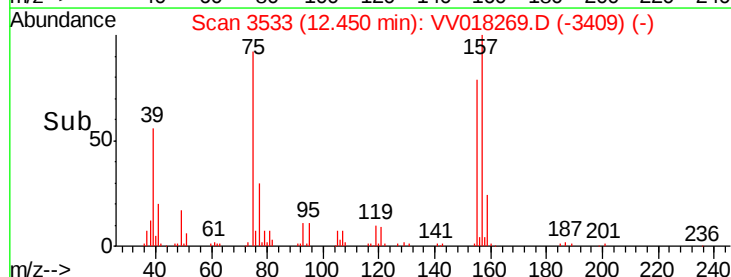
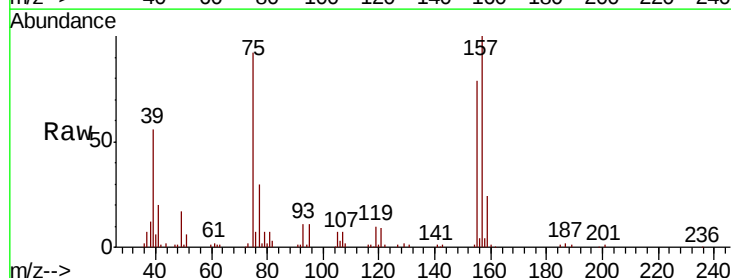
Instrument :
 MSVOA_V
 ClientSampled :
 BFB

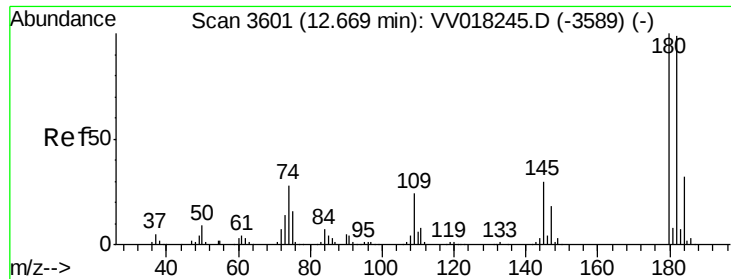
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	32.8	49.2
148	63.2	50.7	76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 53.833 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV018269.D
 Acq: 17 Sep 2020 10:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	69.7	104.5
157	108.9	88.2	132.4

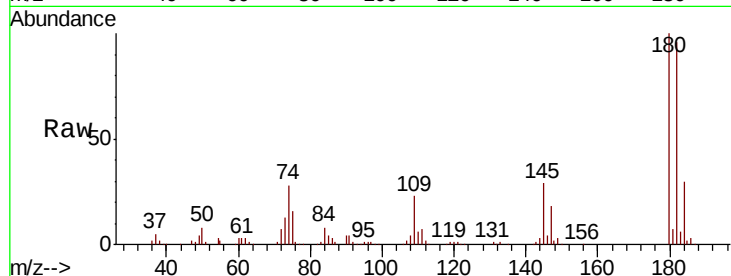




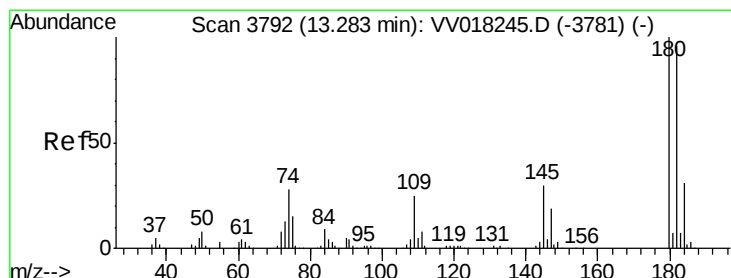
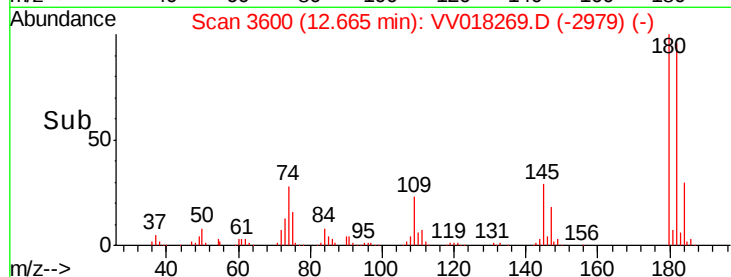
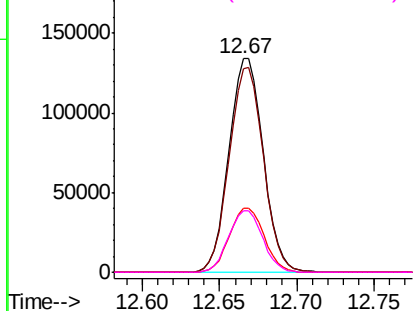
#67
 1,3,5-Trichlorobenzene
 Concen: 51.482 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018269.D
 Acq: 17 Sep 2020 10:52

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB

Tot Ion:	180	Resp:	205927
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
184	30.4	24.6	36.8
145	28.6	22.7	34.1

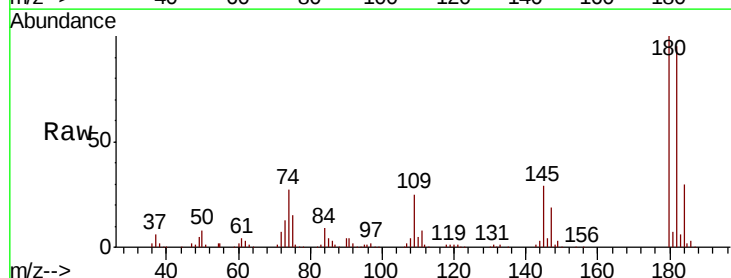


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

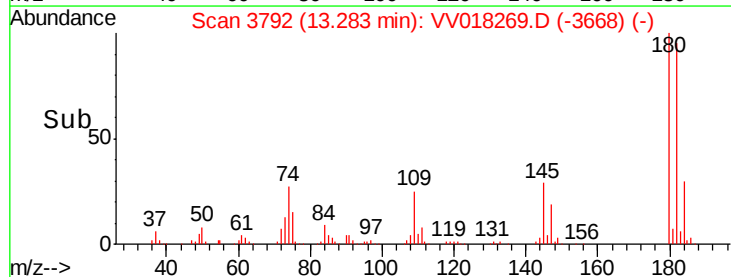
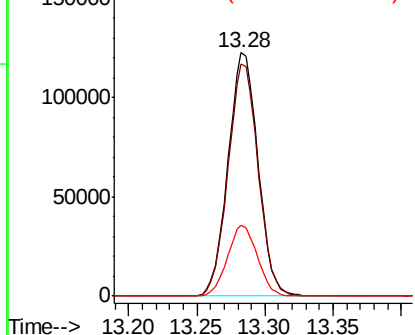


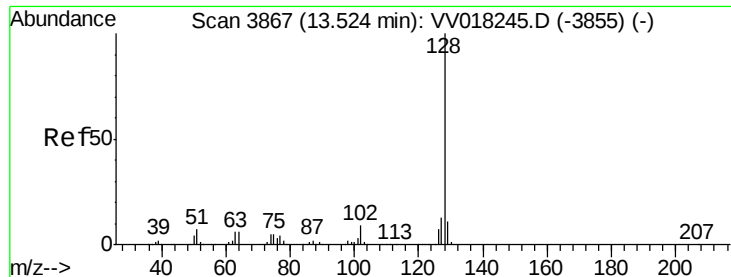
#68
 1,2,4-trichlorobenzene
 Concen: 52.582 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018269.D
 Acq: 17 Sep 2020 10:52

Tgt Ion:	180	Resp:	187295
Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.4	116.2
145	29.0	23.2	34.8



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





#69

Naphthalene

Concen: 57.954 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018269.D

Acq: 17 Sep 2020 10:52

Instrument :

MSVOA_V

ClientSampleId :

BFB

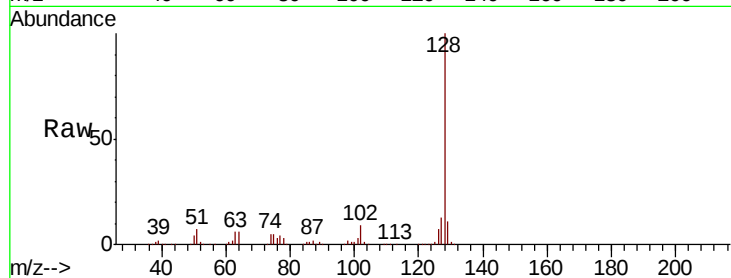
Tot Ion:128 Resp: 522334

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

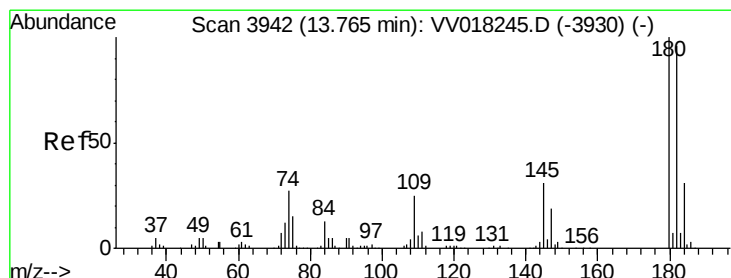
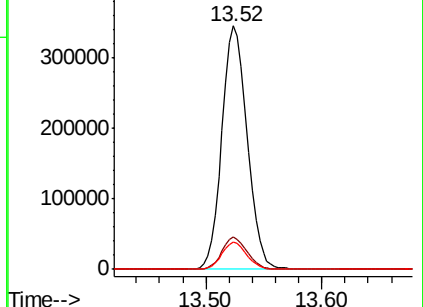
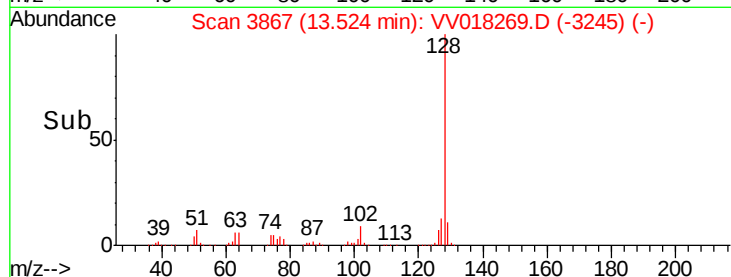
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.492 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018269.D

Acq: 17 Sep 2020 10:52

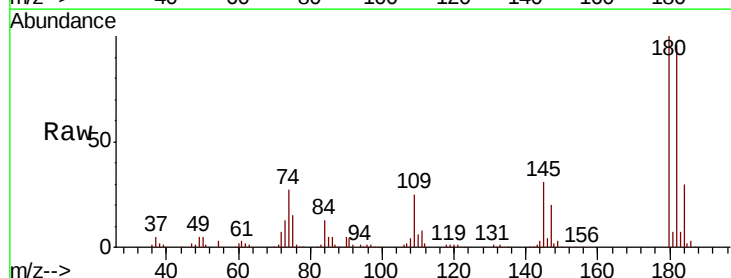
Tgt Ion:180 Resp: 187666

Ion Ratio Lower Upper

180 100

182 96.1 76.5 114.7

145 31.2 24.9 37.3



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

