

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091020\
 Data File : VV018171.D
 Acq On : 10 Sep 2020 10:24
 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 11 01:26:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 10 03:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	302422	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	295540	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	162957	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	113978	46.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.50%
7) Chloroethane-d5	1.58	69	96494	47.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.70%
11) 1,1-Dichloroethene-d2	2.12	63	218347	48.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.60%
21) 2-Butanone-d5	3.91	46	158042	104.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.76%
24) Chloroform-d	4.37	84	210192	49.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.30%
26) 1,2-Dichloroethane-d4	5.05	65	135876	49.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.14%
32) Benzene-d6	5.07	84	414016	48.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.86%
36) 1,2-Dichloropropane-d6	6.09	67	134682	50.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.20%
41) Toluene-d8	7.33	98	387367	50.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.48%
43) trans-1,3-Dichloropropene-	7.64	79	68724	50.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.62%
47) 2-Hexanone-d5	8.11	63	110925	108.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.93%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	174350	51.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.34%
64) 1,2-Dichlorobenzene-d4	11.65	152	164351	49.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.22%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	116259	52.720	ug/L 100
3) Chloromethane	1.25	50	123270	51.192	ug/L 100
5) Vinyl chloride	1.32	62	128674	52.110	ug/L 98
6) Bromomethane	1.53	94	77797	51.546	ug/L 97
8) Chloroethane	1.60	64	79322	51.280	ug/L 99
9) Trichlorofluoromethane	1.77	101	177563	52.264	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	108783	53.305	ug/L 100
12) 1,1-Dichloroethene	2.13	96	103998	52.374	ug/L 96
13) Acetone	2.19	43	157999	130.797	ug/L 98
14) Carbon disulfide	2.31	76	313991	51.676	ug/L 100
15) Methyl Acetate	2.45	43	113778	52.411	ug/L 99
16) Methylene chloride	2.52	84	114772	51.537	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	107059	52.316	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	342208	54.059	ug/L 99
19) 1,1-Dichloroethane	3.21	63	200644	51.857	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	117184	53.568	ug/L 97
22) 2-Butanone	3.99	43	182808	127.801	ug/L 100

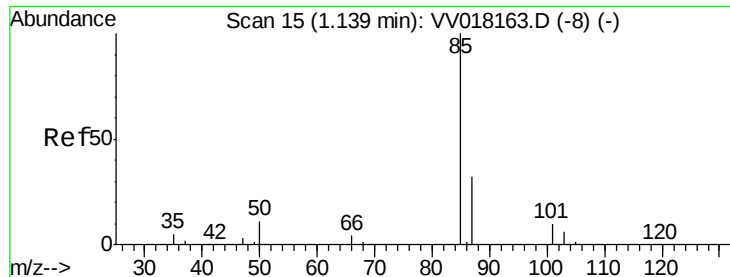
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091020\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	61136	53.415	uq/L	96
25) Chloroform	4.40	83	208343	52.973	uq/L	100
27) 1,2-Dichloroethane	5.15	62	162312	53.309	uq/L	99
29) Cyclohexane	4.70	56	184392	54.031	uq/L	99
30) 1,1,1-Trichloroethane	4.63	97	179249	52.261	uq/L	99
31) Carbon tetrachloride	4.85	117	157631	52.267	uq/L	98
33) Benzene	5.12	78	448565	53.086	uq/L	100
34) Trichloroethene	5.94	95	121095	52.608	uq/L	99
35) Methylcyclohexane	6.15	83	189889	54.790	uq/L	100
37) 1,2-Dichloropropane	6.20	63	118836	53.073	uq/L	100
38) Bromodichloromethane	6.53	83	154470	53.013	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	187258	54.279	uq/L	99
40) 4-Methyl-2-pentanone	7.24	43	299980	110.433	uq/L	100
42) Toluene	7.41	91	480903	53.779	uq/L	100
44) trans-1,3-Dichloropropene	7.67	75	182672	54.382	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	111096	53.531	uq/L	99
46) Tetrachloroethene	8.00	164	96724	53.592	uq/L	99
48) 2-Hexanone	8.16	43	253276	118.267	uq/L	99
49) Dibromochloromethane	8.27	129	124892	53.612	uq/L	99
50) 1,2-Dibromoethane	8.37	107	117583	53.833	uq/L	100
51) Chlorobenzene	8.90	112	307803	53.002	uq/L	99
52) Ethylbenzene	9.03	91	532287	54.522	uq/L	99
53) m,p-Xylene	9.16	106	201140	55.198	uq/L	98
54) o-xylene	9.56	106	194633	55.442	uq/L	100
55) Styrene	9.58	104	344760	56.502	uq/L	99
56) Isopropylbenzene	9.95	105	523513	55.332	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	166058	54.091	uq/L	98
59) 1,2,3-Trichloropropane	10.29	75	141553	53.749	uq/L	99
61) Bromoform	9.75	173	91945	52.521	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	262384	54.148	uq/L	98
63) 1,4-Dichlorobenzene	11.29	146	266297	53.466	uq/L	98
65) 1,2-Dichlorobenzene	11.67	146	260789	53.246	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	36615	52.976	uq/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	212949	55.745	uq/L	100
68) 1,2,4-trichlorobenzene	13.28	180	194530	57.185	uq/L	99
69) Naphthalene	13.52	128	515037	59.835	uq/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	192715	57.518	uq/L	100

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



#2

Dichlorodifluoromethane

Concen: 52.720 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampled :

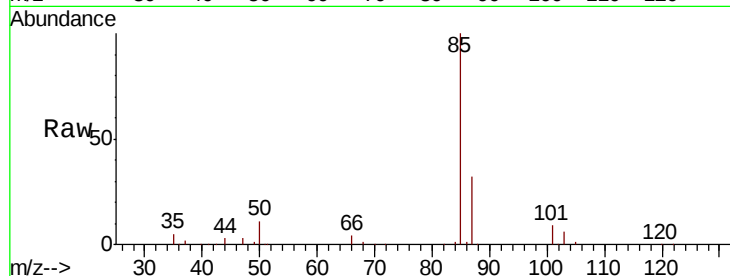
BFB

Tot Ion: 85 Resp: 116259

Ion Ratio Lower Upper

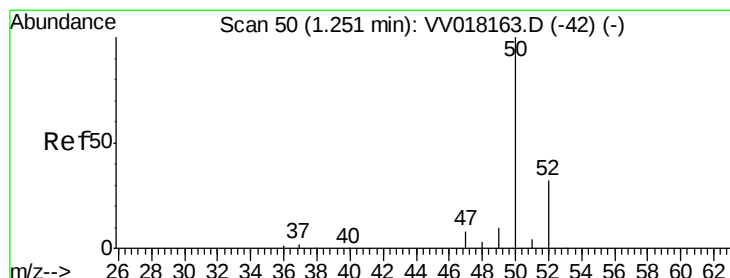
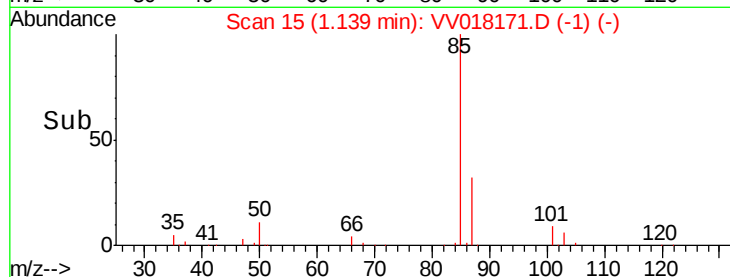
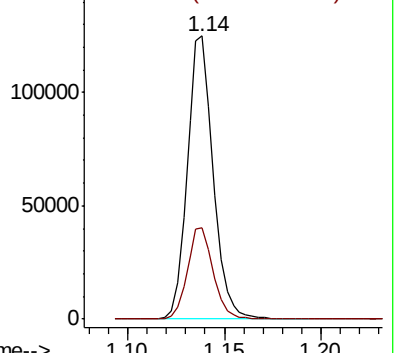
85 100

87 32.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 51.192 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV018171.D

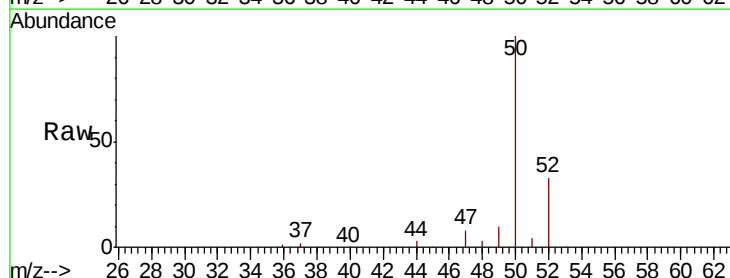
Acq: 10 Sep 2020 10:24

Tgt Ion: 50 Resp: 123270

Ion Ratio Lower Upper

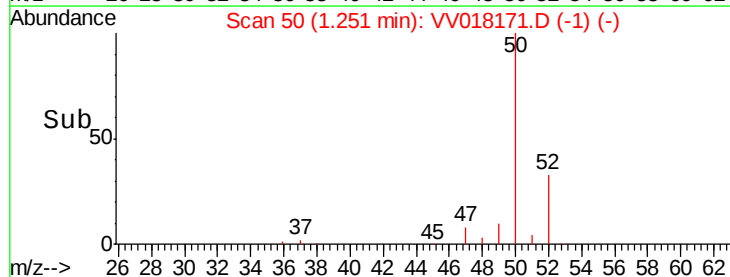
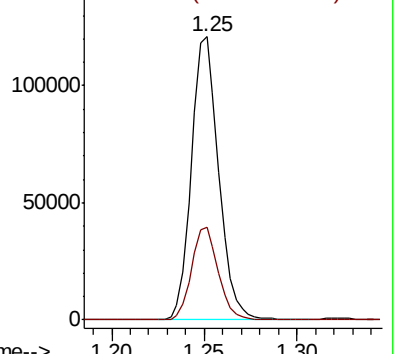
50 100

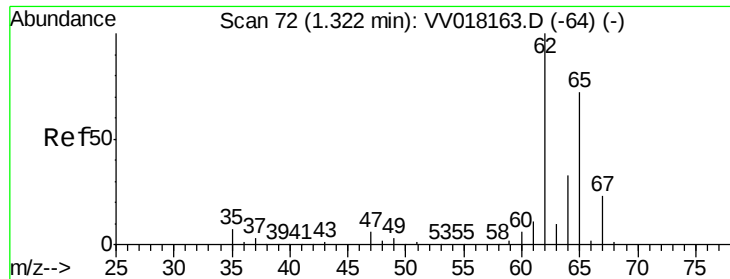
52 32.6 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 52.110 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampled :

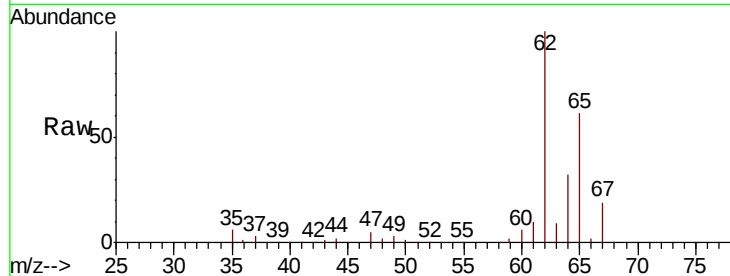
BFB

Tot Ion: 62 Resp: 128674

Ion Ratio Lower Upper

62 100

64 31.9 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

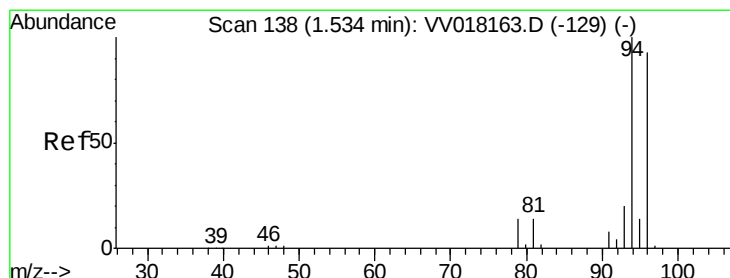
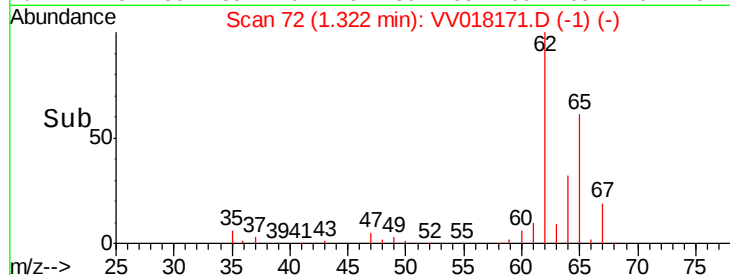
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 51.546 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV018171.D

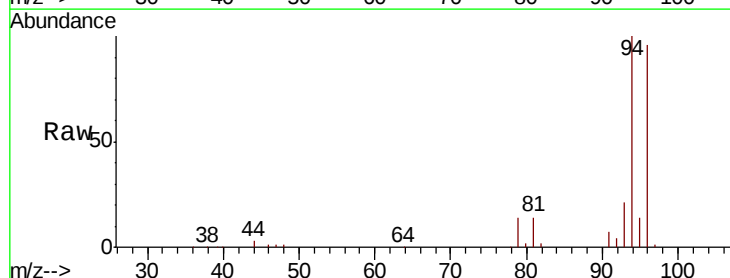
Acq: 10 Sep 2020 10:24

Tgt Ion: 94 Resp: 77797

Ion Ratio Lower Upper

94 100

96 96.0 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

80000

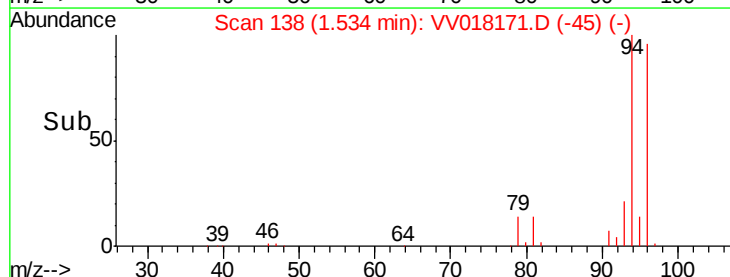
60000

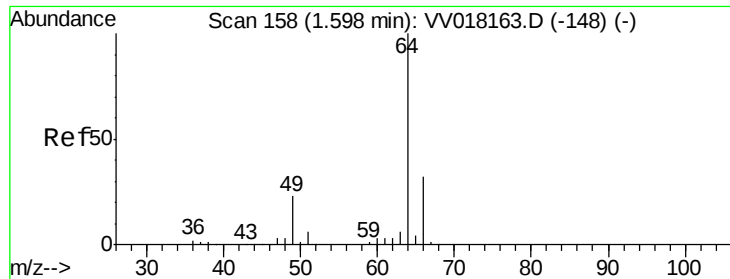
40000

20000

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Time-->

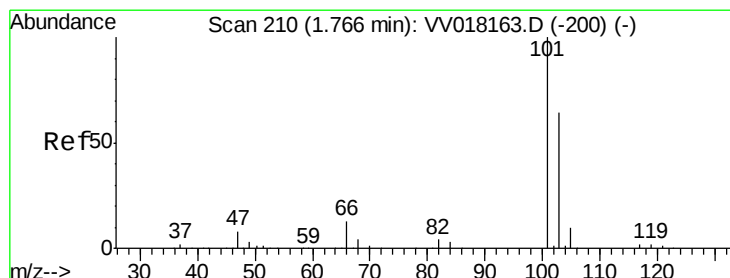
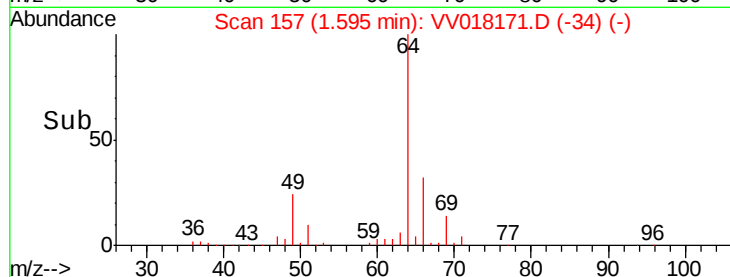
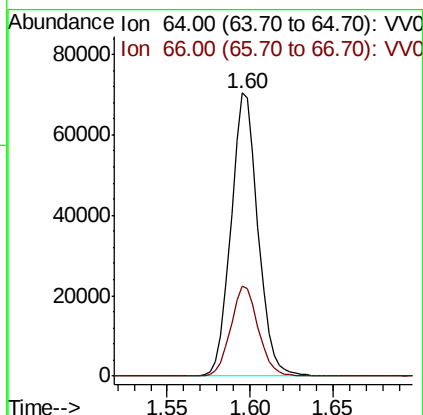
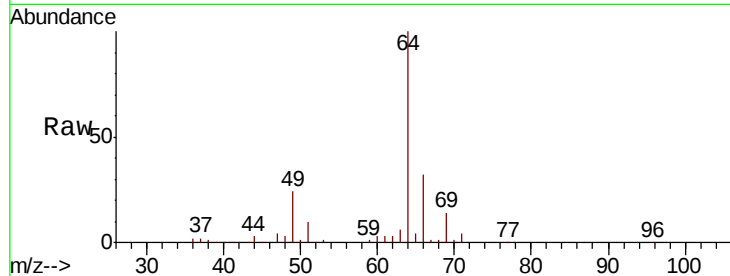




#8
Chloroethane
Concen: 51.280 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV018171.D
Acq: 10 Sep 2020 10:24

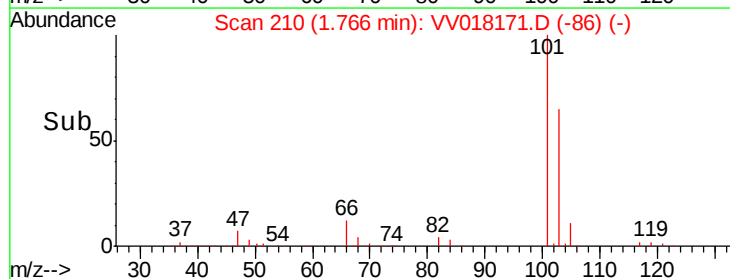
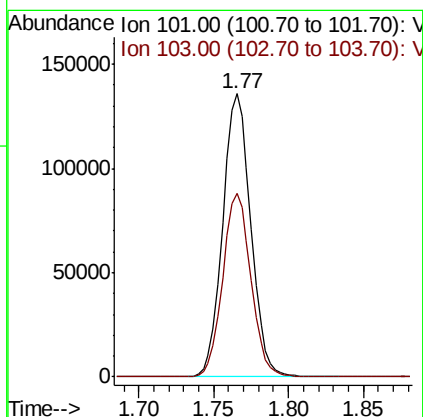
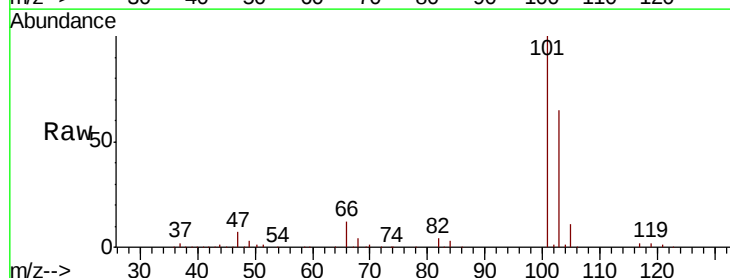
Instrument :
MSVOA_V
ClientSampleId :
BFB

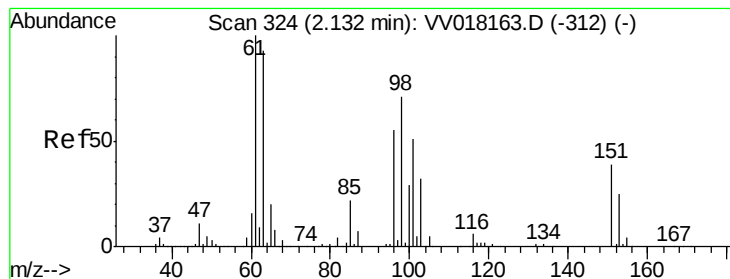
Tot Ion: 64 Resp: 79322
Ion Ratio Lower Upper
64 100
66 31.6 22.5 41.7



#9
Trichlorofluoromethane
Concen: 52.264 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV018171.D
Acq: 10 Sep 2020 10:24

Tgt Ion: 101 Resp: 177563
Ion Ratio Lower Upper
101 100
103 65.0 51.8 77.6





#10

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

Concen: 53.305 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

BFB

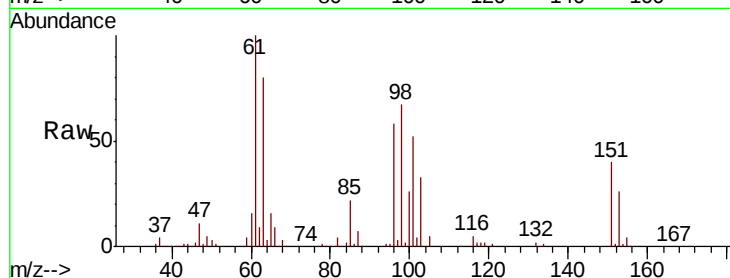
Tot Ion:101 Resp: 108783

Ion Ratio Lower Upper

101 100

85 42.1 33.5 50.3

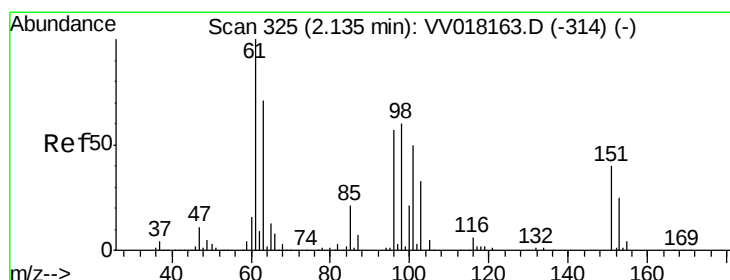
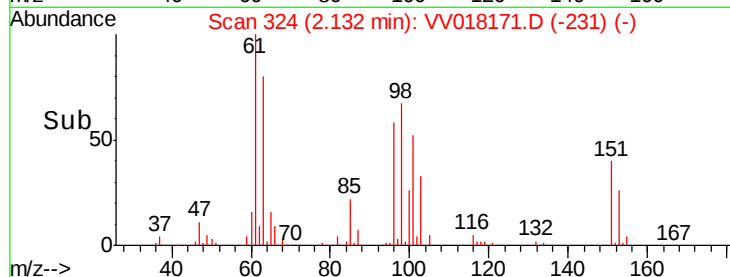
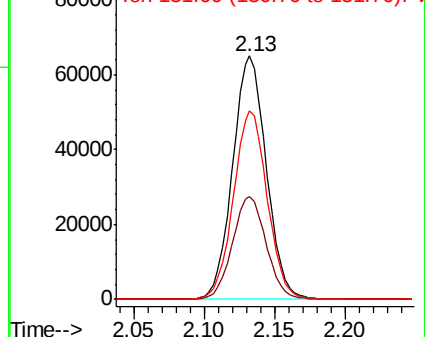
151 77.6 62.2 93.2



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: 52.374 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

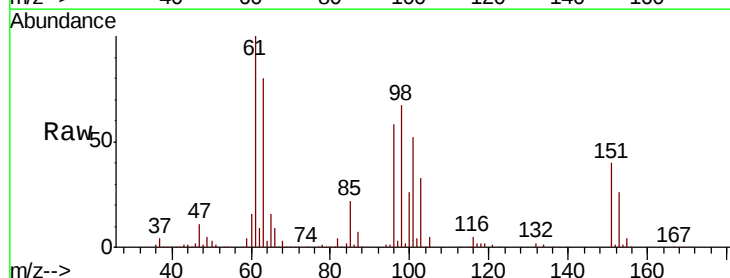
Tgt Ion: 96 Resp: 103998

Ion Ratio Lower Upper

96 100

61 173.4 122.9 228.3

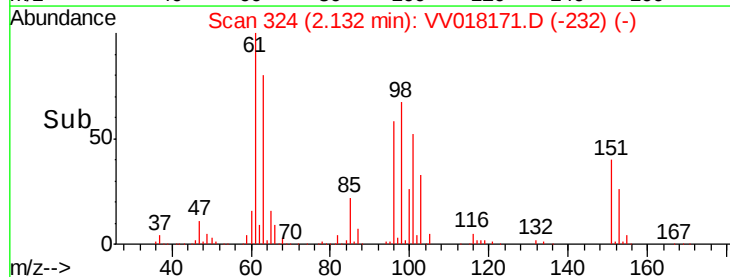
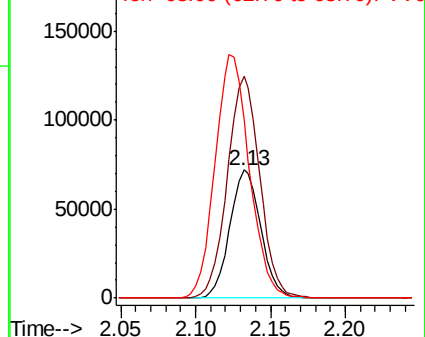
63 139.5 91.9 170.7

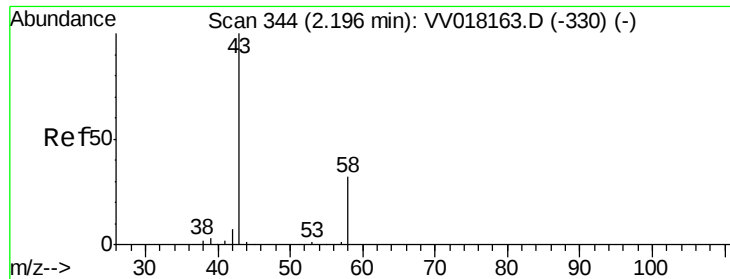


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 130.797 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

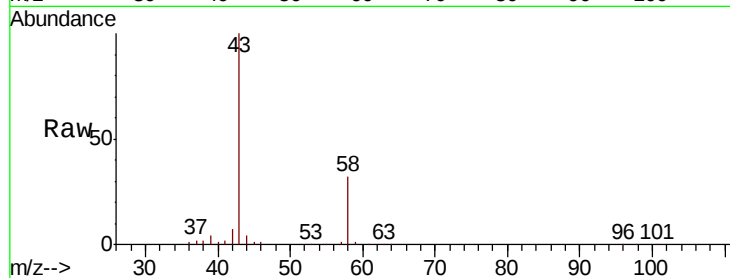
BFB

Tot Ion: 43 Resp: 157999

Ion Ratio Lower Upper

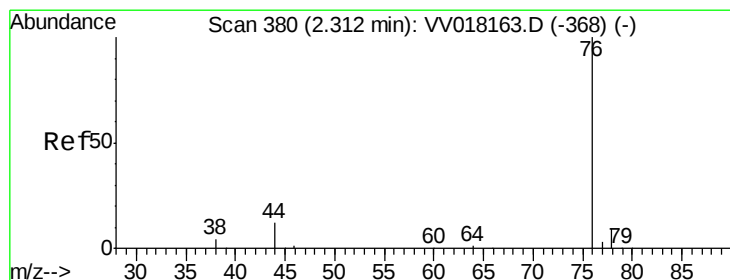
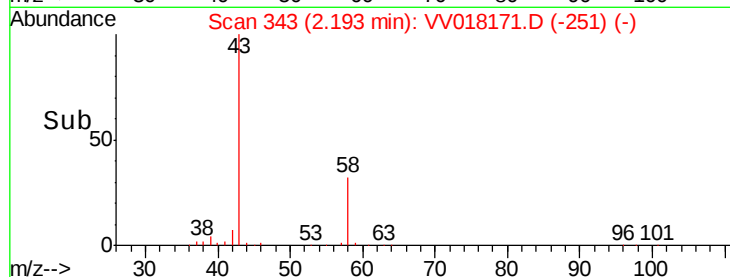
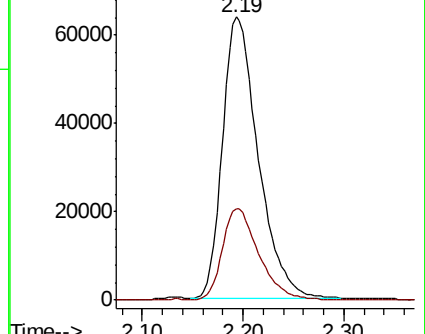
43 100

58 32.7 0.0 67.4



Abundance Ion 43.00 (42.70 to 43.70): VV018163.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV018163.D (-330) (-)



#14

Carbon disulfide

Concen: 51.676 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018171.D

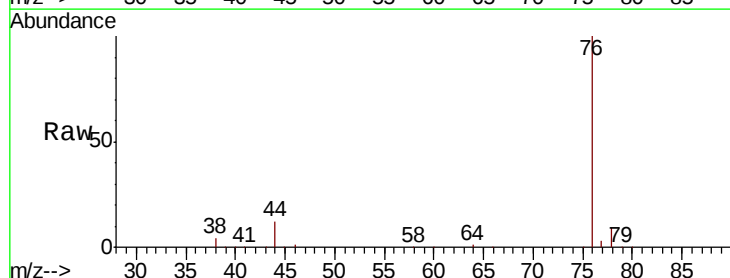
Acq: 10 Sep 2020 10:24

Tgt Ion: 76 Resp: 313991

Ion Ratio Lower Upper

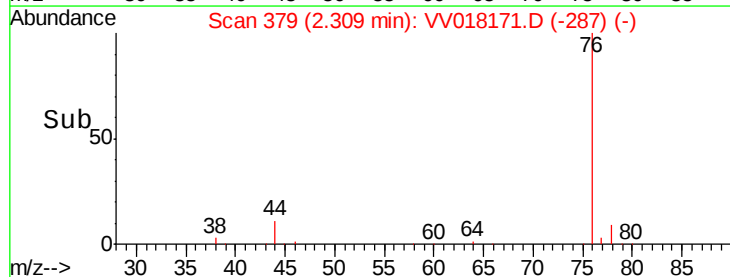
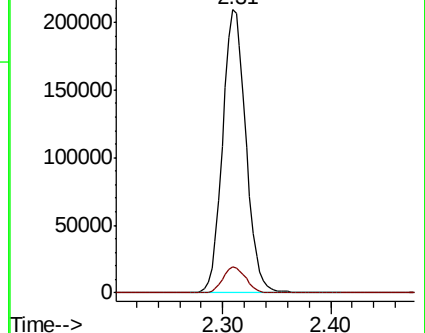
76 100

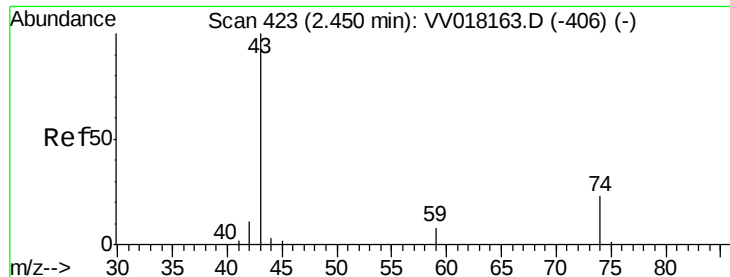
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV018163.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV018163.D (-368) (-)

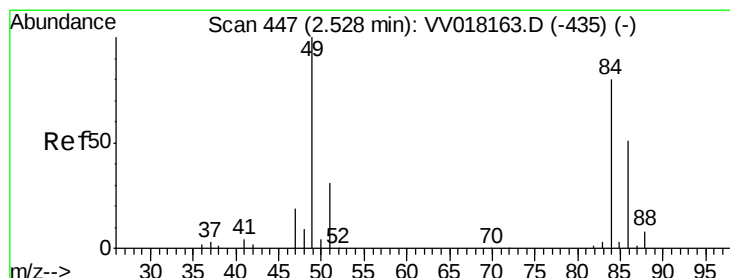
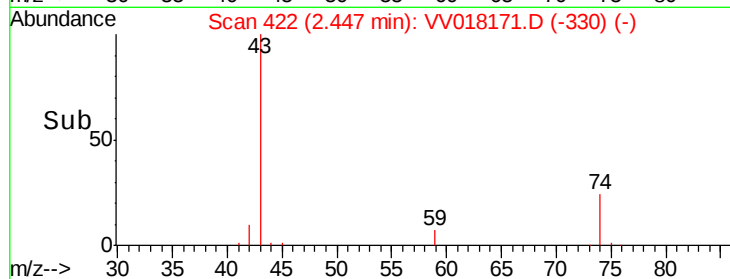
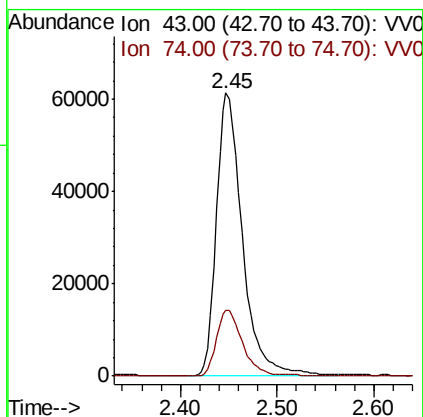
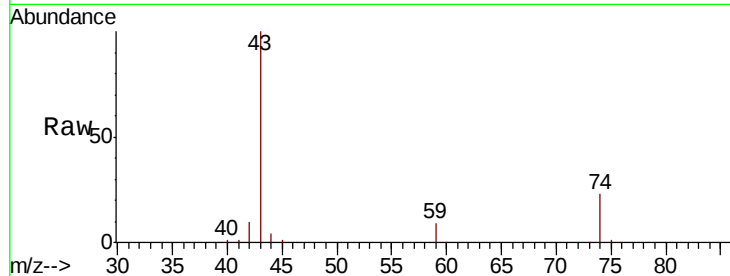




#15
Methvl Acetate
Concen: 52.411 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.00 min
Lab File: VV018171.D
Acq: 10 Sep 2020 10:24

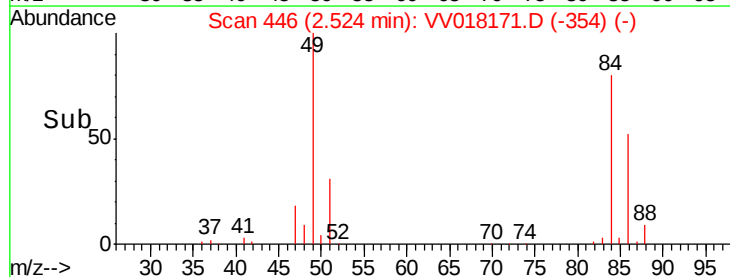
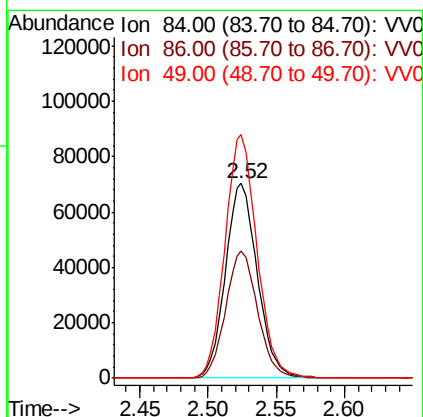
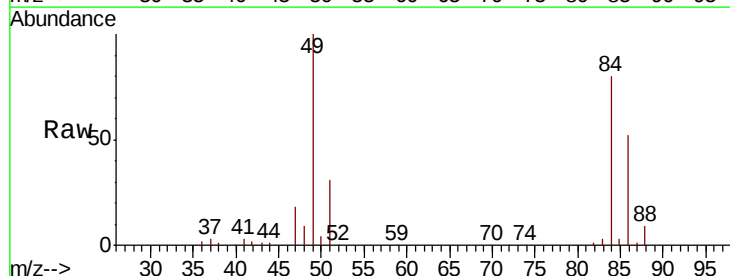
Instrument :
MSVOA_V
ClientSampleId :
BFB

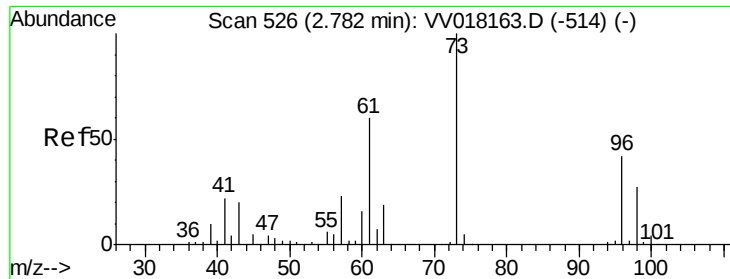
Tot Ion: 43 Resp: 113778
Ion Ratio Lower Upper
43 100
74 23.3 18.4 27.6



#16
Methylene chloride
Concen: 51.537 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV018171.D
Acq: 10 Sep 2020 10:24

Tgt Ion: 84 Resp: 114772
Ion Ratio Lower Upper
84 100
86 65.5 44.4 82.4
49 125.0 87.2 162.0

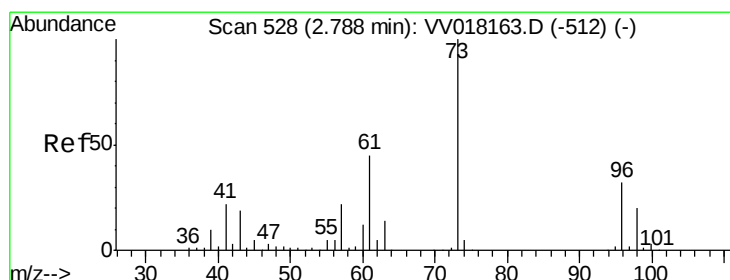
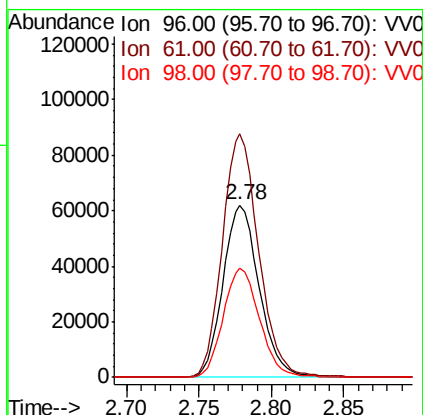
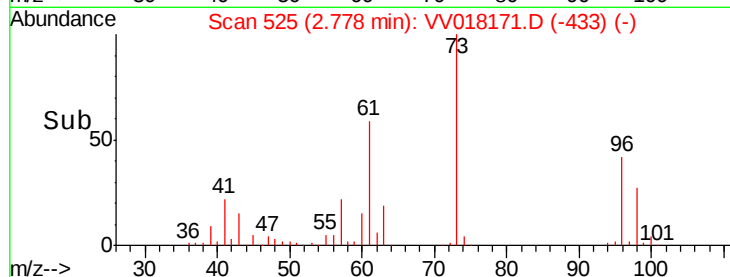
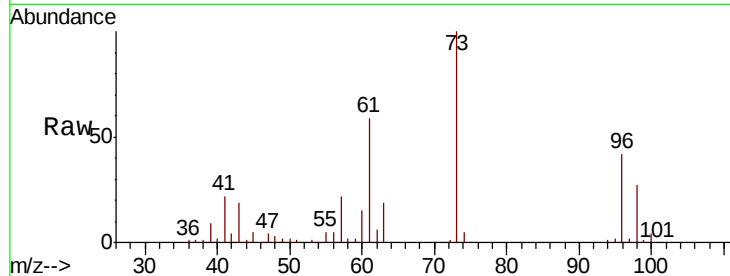




#17
trans-1,2-Dichloroethene
Concen: 52.316 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV018171.D
Acq: 10 Sep 2020 10:24

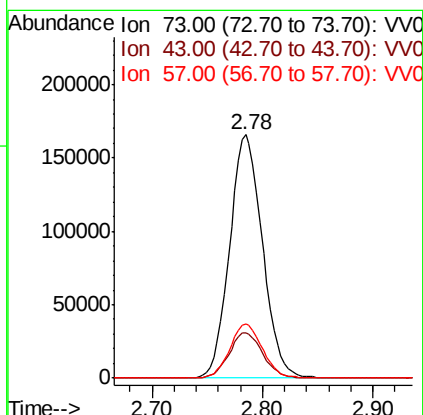
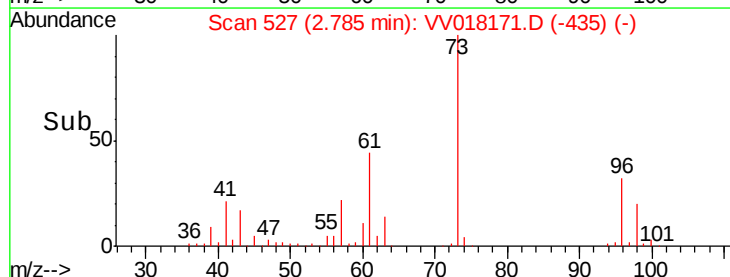
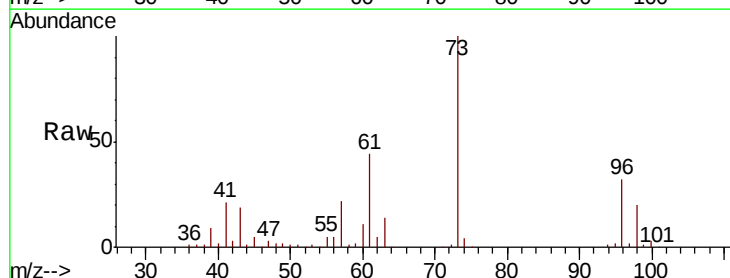
Instrument :
MSVOA_V
ClientSampleId :
BFB

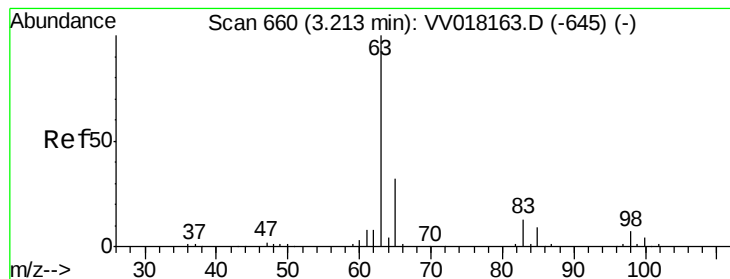
Tot Ion: 96 Resp: 107059
Ion Ratio Lower Upper
96 100
61 141.6 100.7 186.9
98 63.6 45.2 84.0



#18
Methyl tert-butyl Ether
Concen: 54.059 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV018171.D
Acq: 10 Sep 2020 10:24

Tgt Ion: 73 Resp: 342208
Ion Ratio Lower Upper
73 100
43 18.8 15.4 23.0
57 22.1 18.0 27.0





#19

1,1-Dichloroethane

Concen: 51.857 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

BFB

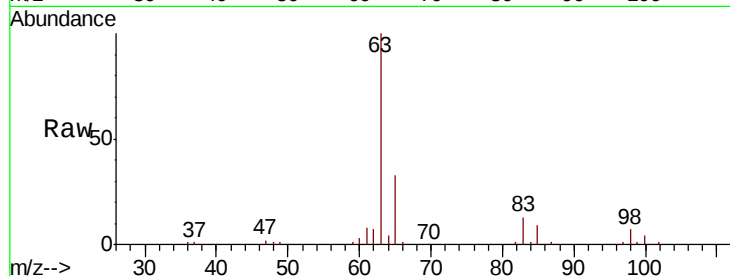
Tot Ion: 63 Resp: 200644

Ion Ratio Lower Upper

63 100

65 32.8 22.5 41.7

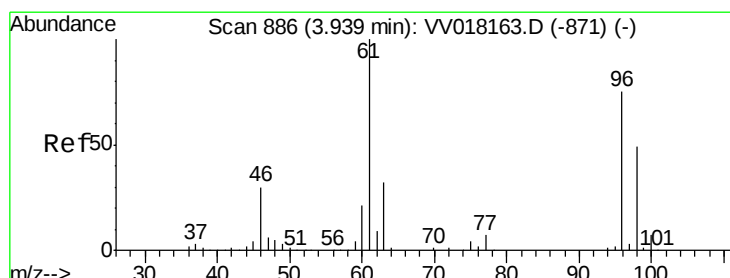
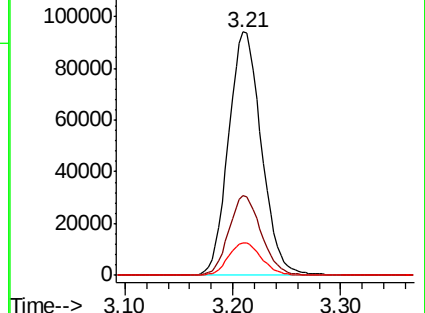
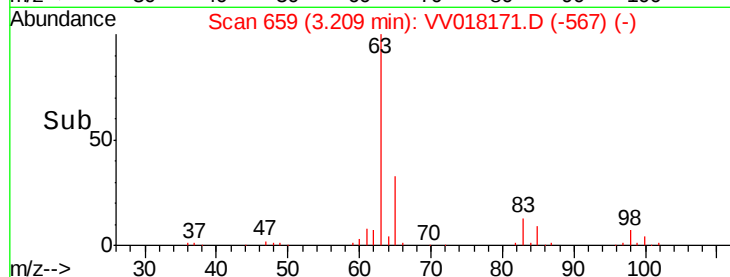
83 13.3 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 53.568 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

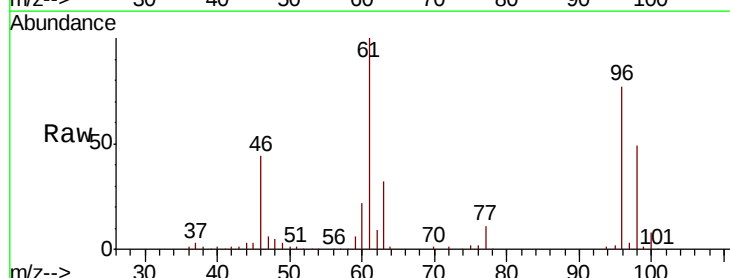
Tgt Ion: 96 Resp: 117184

Ion Ratio Lower Upper

96 100

61 129.9 93.6 173.8

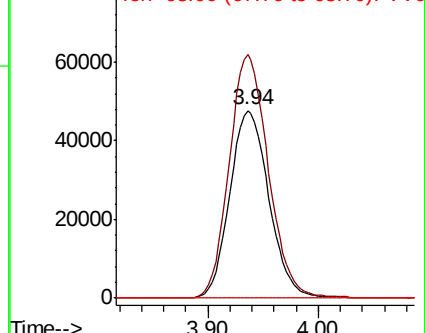
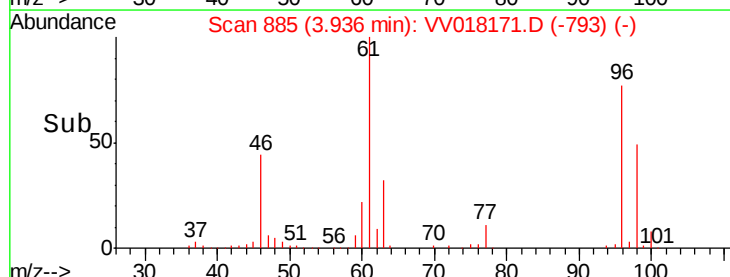
68 0.0 0.0 0.0

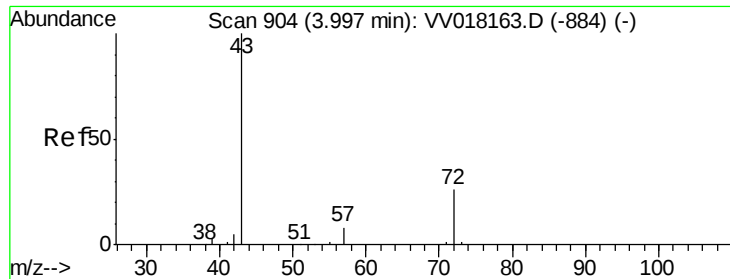


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 127.801 ug/L

RT: 3.99 min Scan# 903

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

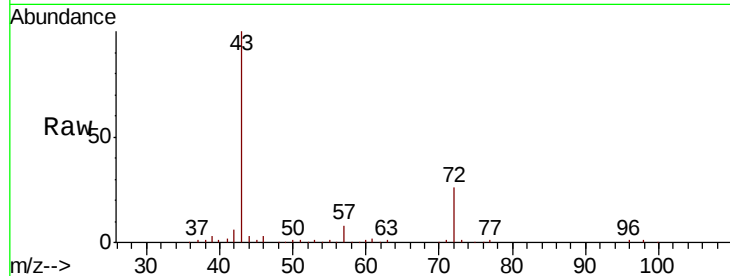
BFB

Tot Ion: 43 Resp: 182808

Ion Ratio Lower Upper

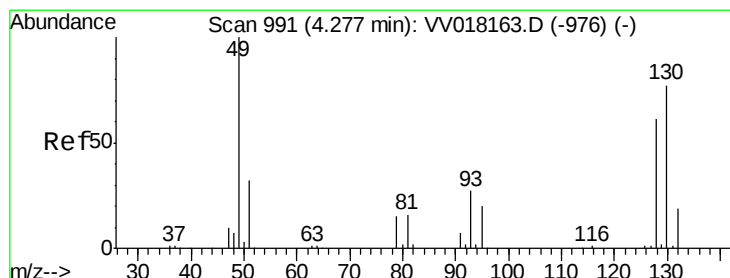
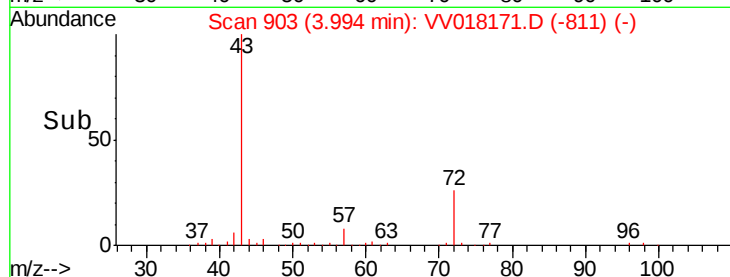
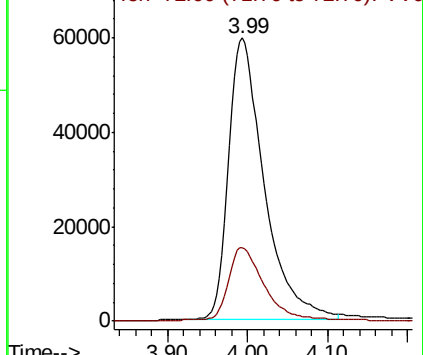
43 100

72 26.2 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV018171.D (-811) (-)

Ion 72.00 (71.70 to 72.70): VV018171.D (-811) (-)



#23

Bromochloromethane

Concen: 53.415 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

Tgt Ion:128 Resp: 61136

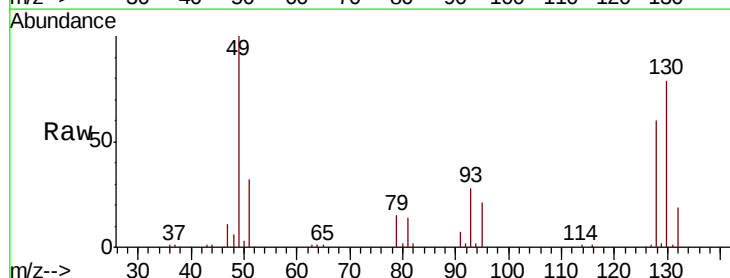
Ion Ratio Lower Upper

128 100

49 167.3 114.4 212.6

130 132.7 87.9 163.3

51 54.2 41.8 62.8

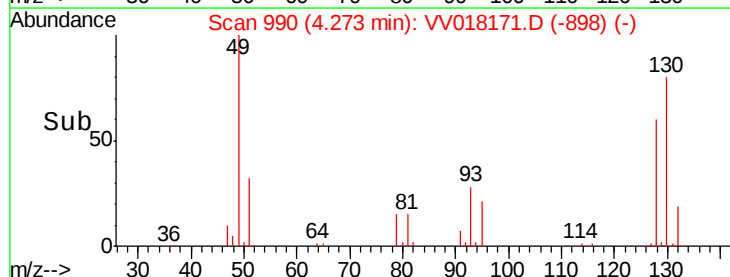
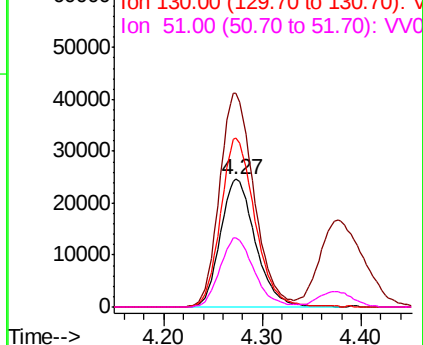


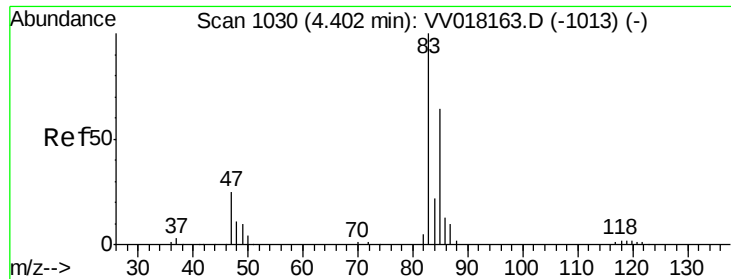
Abundance Ion 128.00 (127.70 to 128.70): VV018171.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV018171.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV018171.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV018171.D (-898) (-)

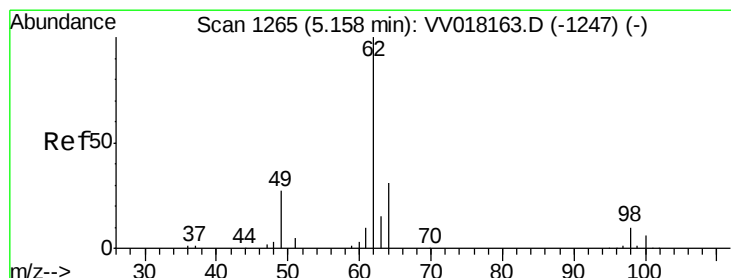
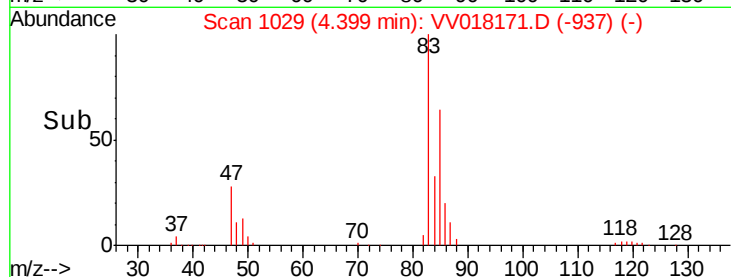
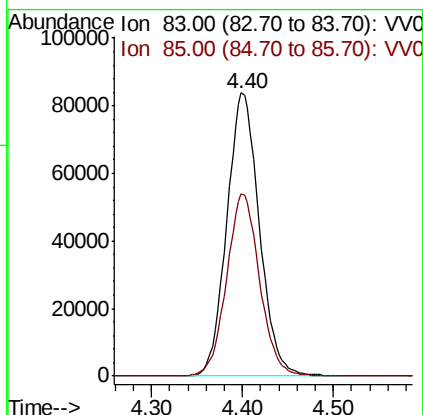
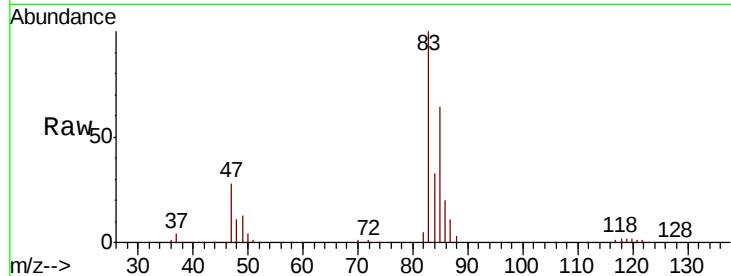




#25
Chloroform
Concen: 52.973 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018171.D
Acq: 10 Sep 2020 10:24

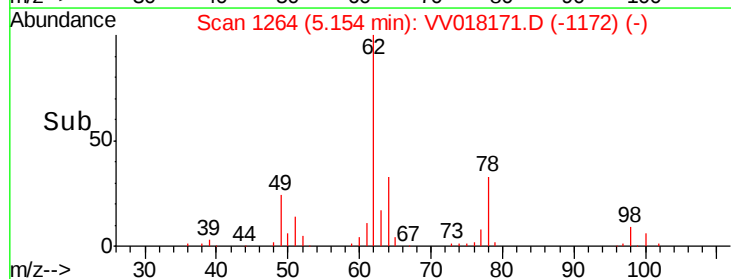
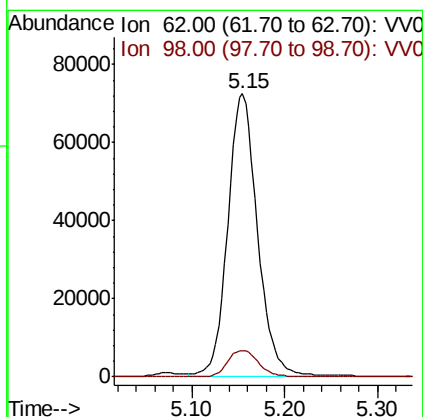
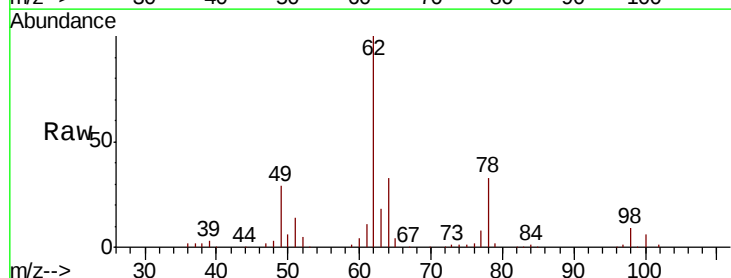
Instrument :
MSVOA_V
ClientSampleId :
BFB

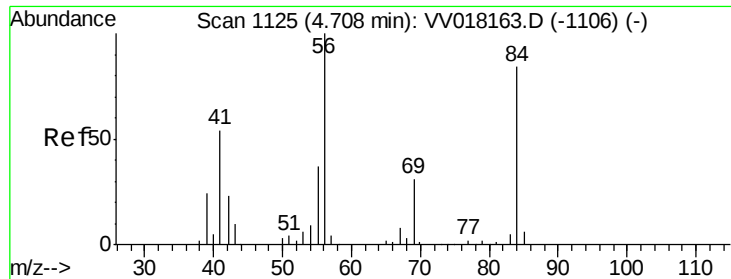
Tot Ion: 83 Resp: 208343
Ion Ratio Lower Upper
83 100
85 64.2 45.0 83.6



#27
1,2-Dichloroethane
Concen: 53.309 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018171.D
Acq: 10 Sep 2020 10:24

Tgt Ion: 62 Resp: 162312
Ion Ratio Lower Upper
62 100
98 9.2 7.6 11.4





#29

Cyclohexane

Concen: 54.031 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

BFB

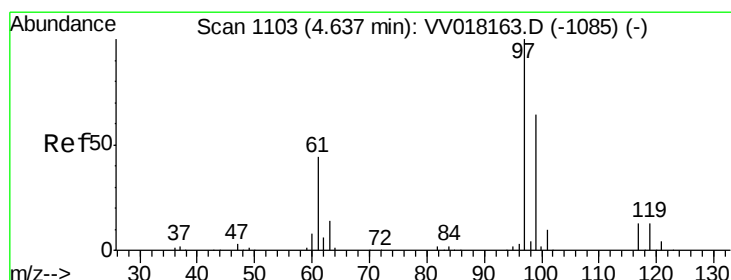
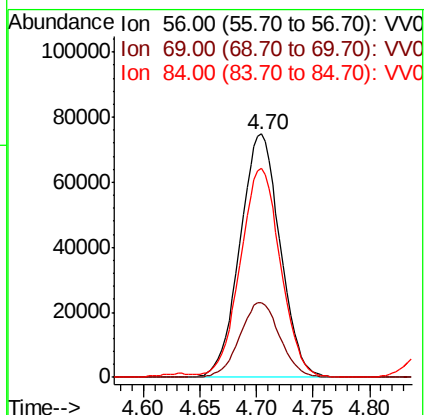
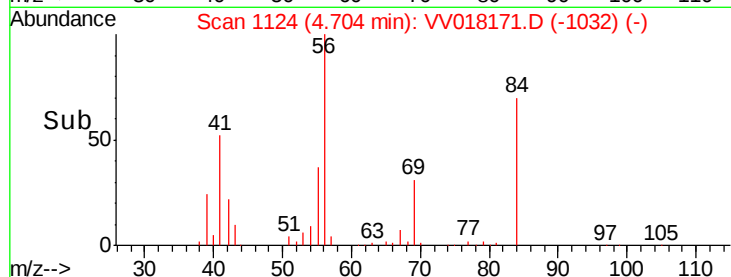
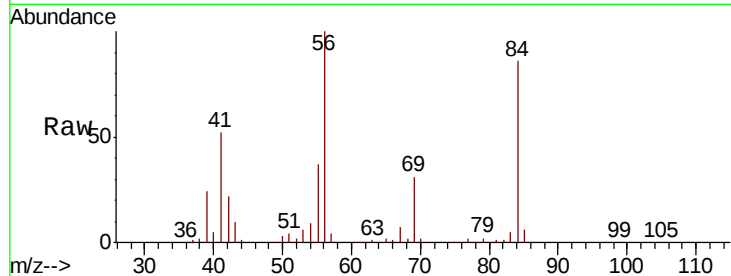
Tot Ion: 56 Resp: 184392

Ion Ratio Lower Upper

56 100

69 30.7 24.2 36.2

84 86.0 68.3 102.5



#30

1,1,1-Trichloroethane

Concen: 52.261 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

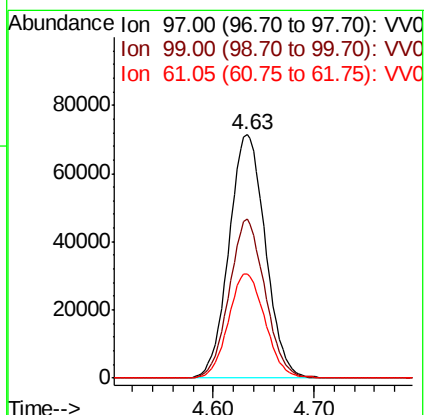
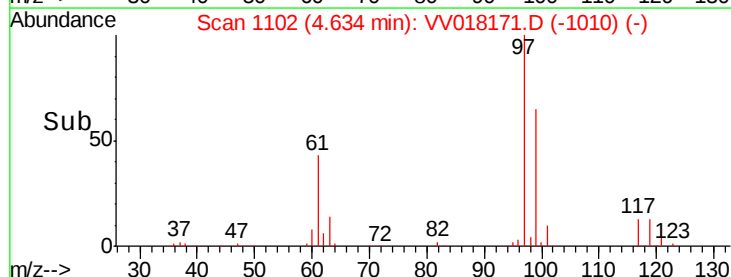
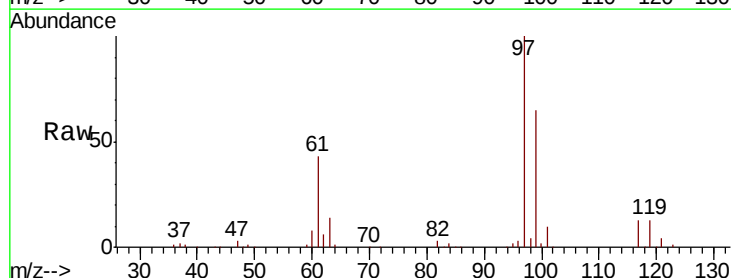
Tgt Ion: 97 Resp: 179249

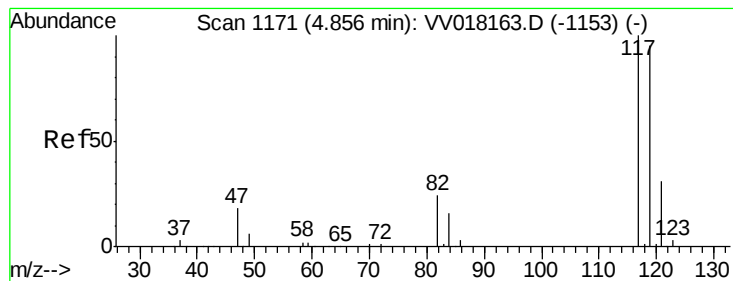
Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

61 43.2 34.9 52.3





#31

Carbon tetrachloride

Concen: 52.267 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

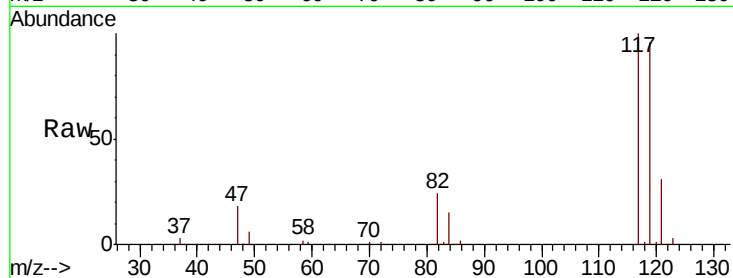
BFB

Tot Ion:117 Resp: 157631

Ion Ratio Lower Upper

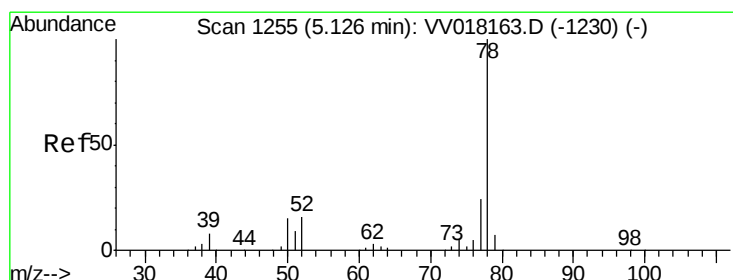
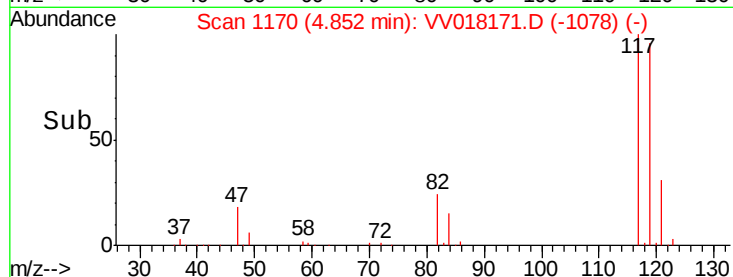
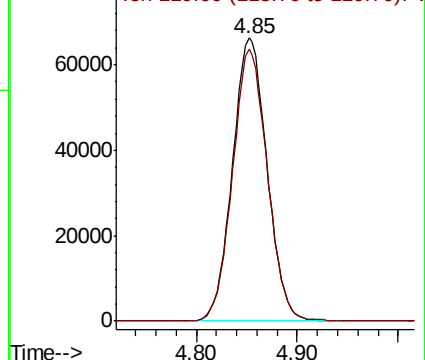
117 100

119 96.4 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 53.086 ug/L

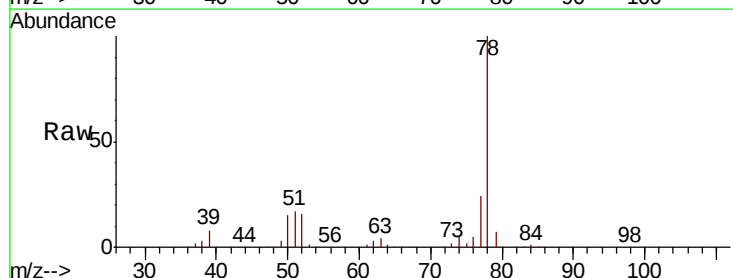
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

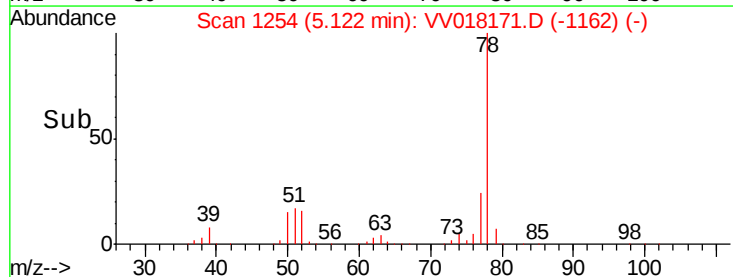
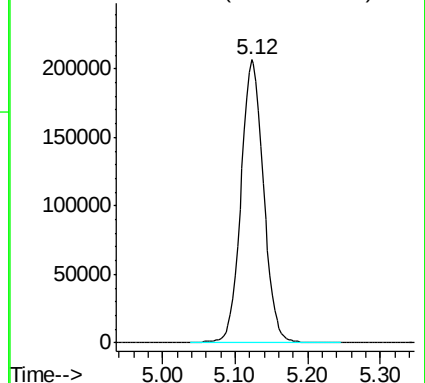
Lab File: VV018171.D

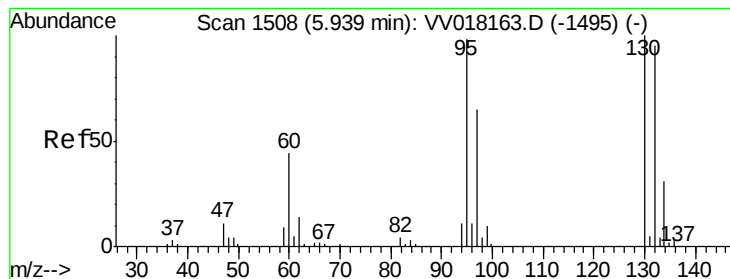
Acq: 10 Sep 2020 10:24

Tgt Ion: 78 Resp: 448565



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 52.608 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampled :

BFB

Tot Ion: 95 Resp: 121095

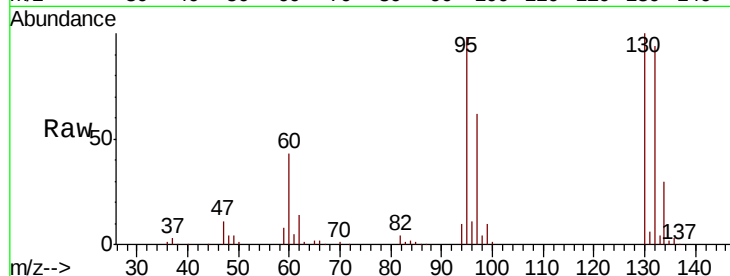
Ion Ratio Lower Upper

95 100

97 63.1 46.3 85.9

132 96.6 68.1 126.5

130 102.5 71.5 132.9

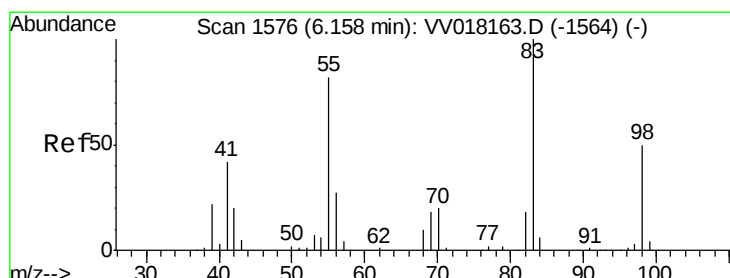
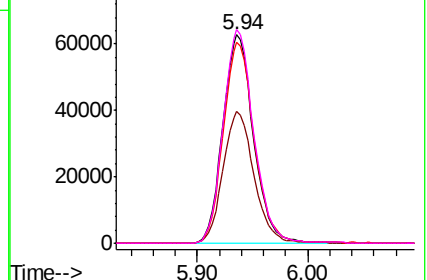
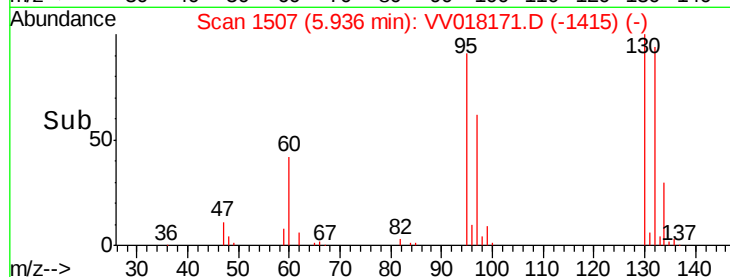


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 54.790 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

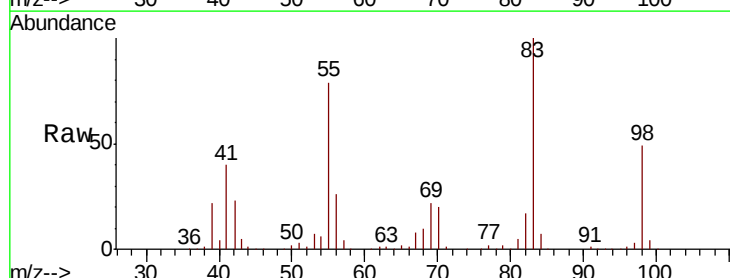
Tgt Ion: 83 Resp: 189889

Ion Ratio Lower Upper

83 100

55 79.5 63.4 95.2

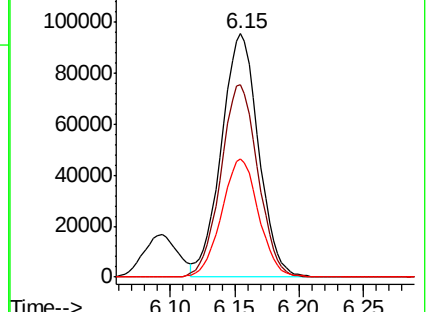
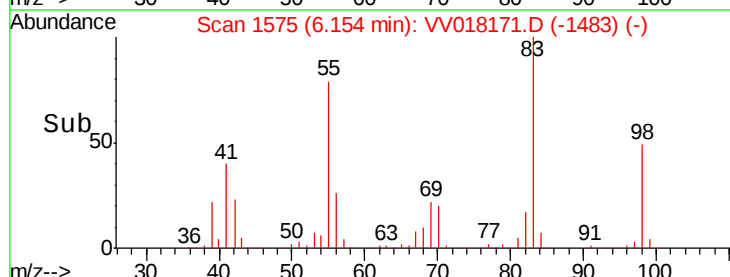
98 48.7 38.8 58.2

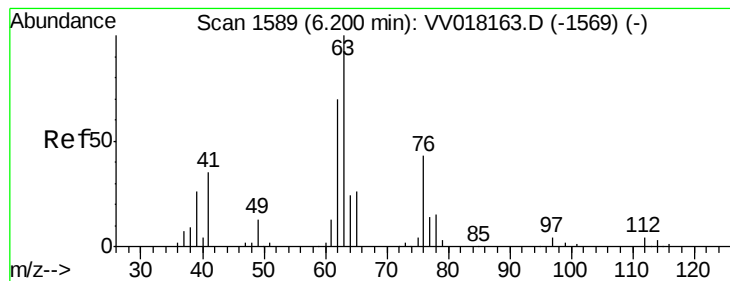


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 53.073 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampled :

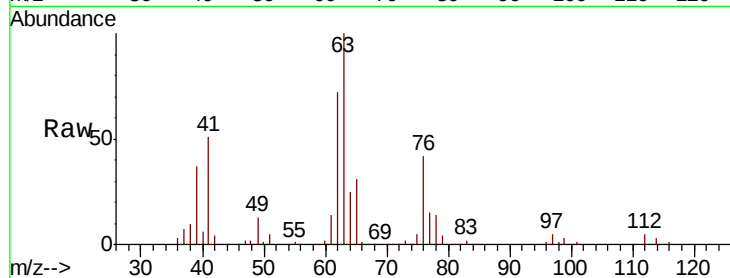
BFB

Tot Ion: 63 Resp: 118836

Ion Ratio Lower Upper

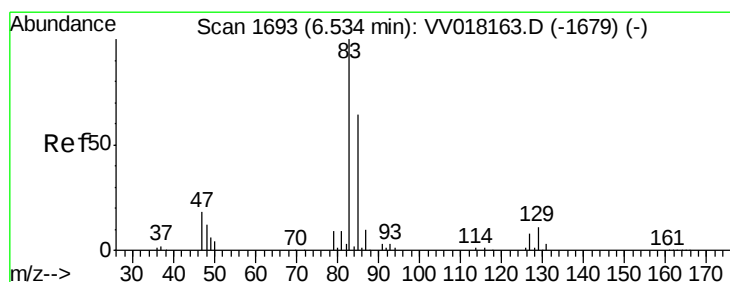
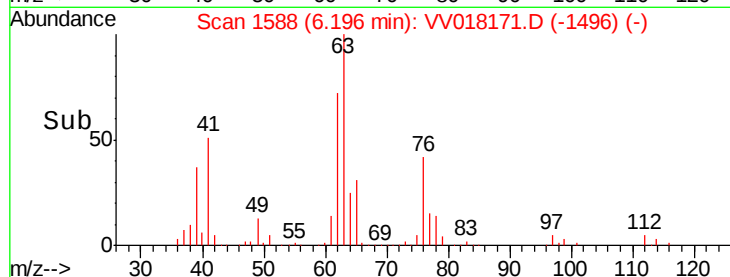
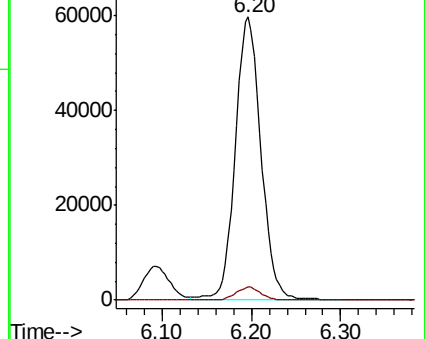
63 100

112 4.5 3.4 5.2



Abundance Ion 63.00 (62.70 to 63.70): VV018163.D (-1569) (-)

Ion 112.00 (111.70 to 112.70): VV018163.D (-1569) (-)



#38

Bromodichloromethane

Concen: 53.013 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

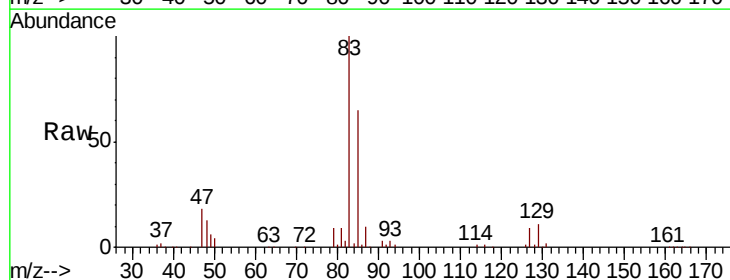
Tgt Ion: 83 Resp: 154470

Ion Ratio Lower Upper

83 100

85 64.9 44.7 82.9

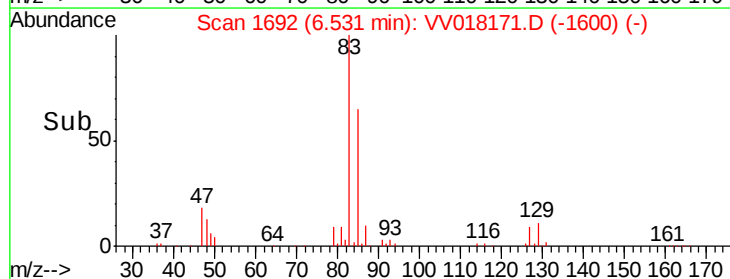
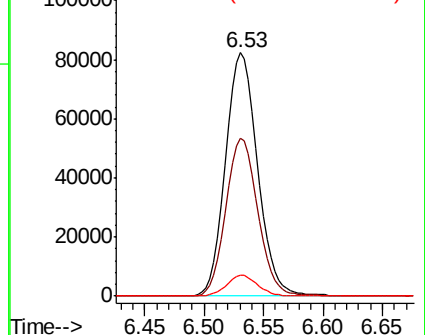
127 8.5 6.7 10.1

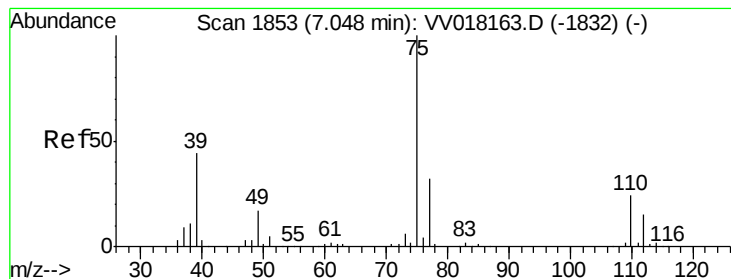


Abundance Ion 83.00 (82.70 to 83.70): VV018163.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV018163.D (-1679) (-)

Ion 127.00 (126.70 to 127.70): VV018163.D (-1679) (-)



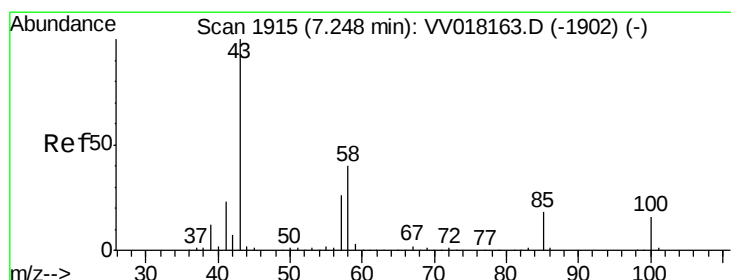
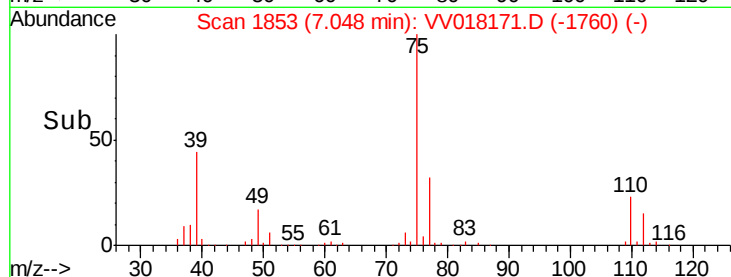
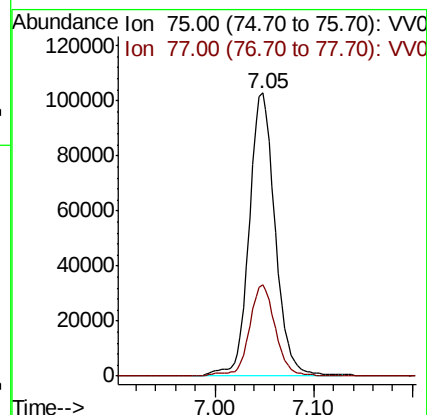
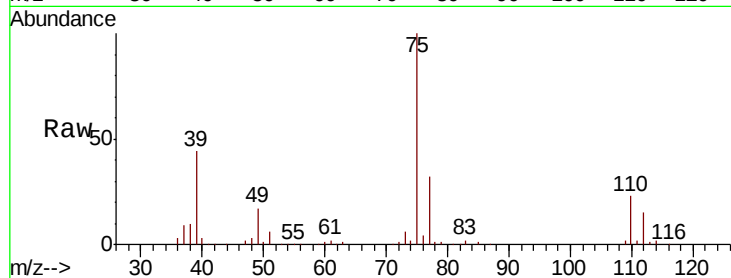


#39

cis-1,3-Dichloropropene
 Concen: 54.279 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV018171.D
 Acq: 10 Sep 2020 10:24

Instrument :
 MSVOA_V
 ClientSampled :
 BFB

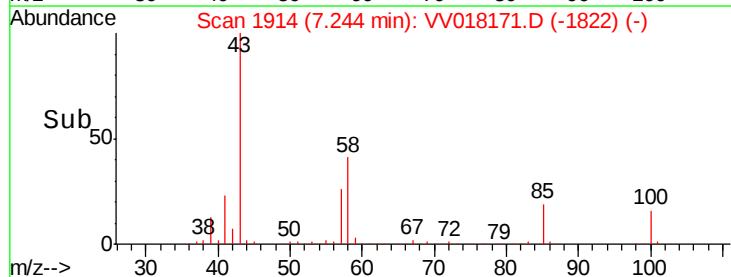
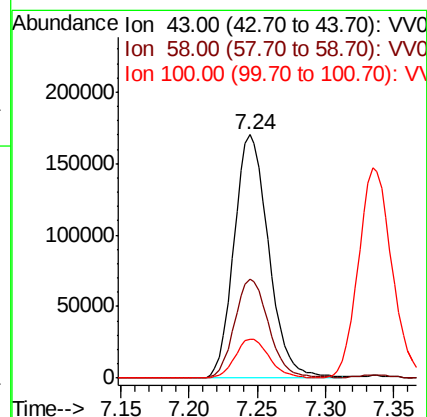
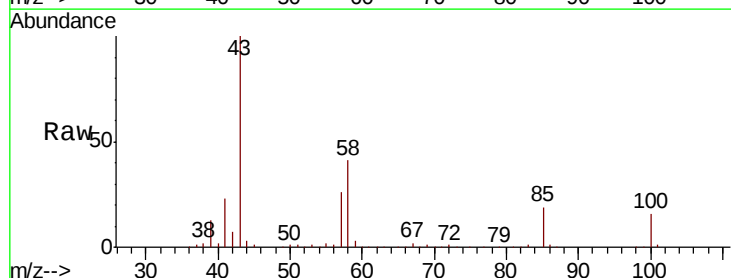
Tot Ion: 75 Resp: 187258
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.3 41.3

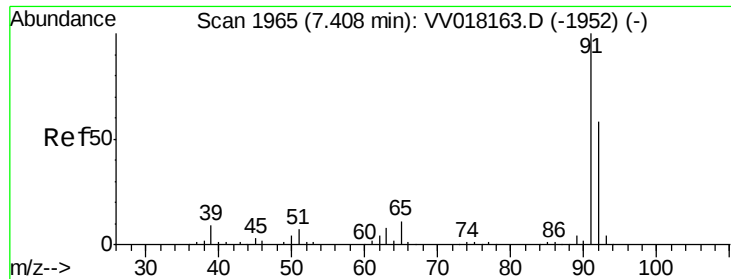


#40

4-Methyl-2-pentanone
 Concen: 110.433 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV018171.D
 Acq: 10 Sep 2020 10:24

Tgt Ion: 43 Resp: 299980
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.4 48.6
 100 16.0 12.7 19.1





#42

Toluene

Concen: 53.779 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

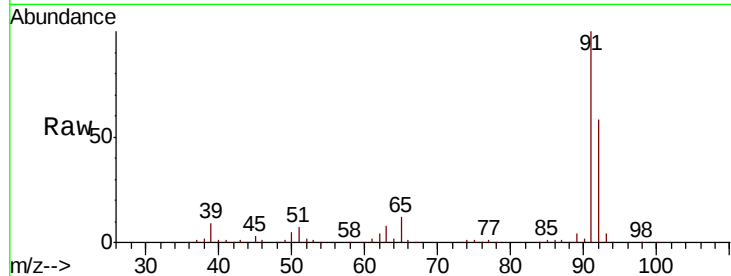
BFB

Tot Ion: 91 Resp: 480903

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

300000

250000

200000

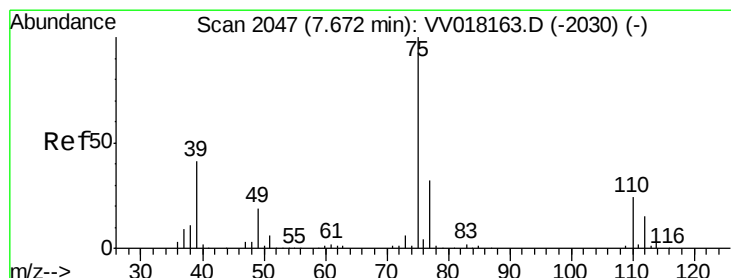
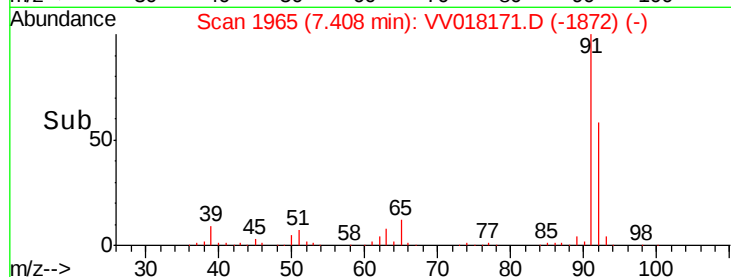
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 54.382 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018171.D

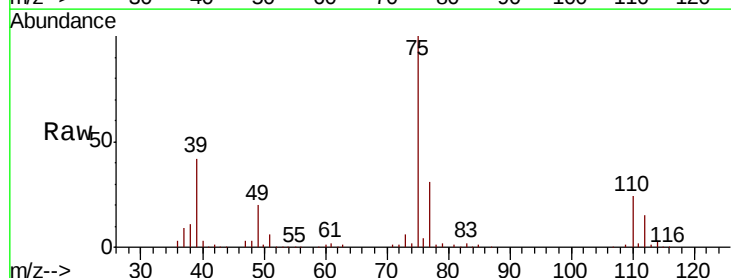
Acq: 10 Sep 2020 10:24

Tgt Ion: 75 Resp: 182672

Ion Ratio Lower Upper

75 100

77 31.3 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

120000

100000

80000

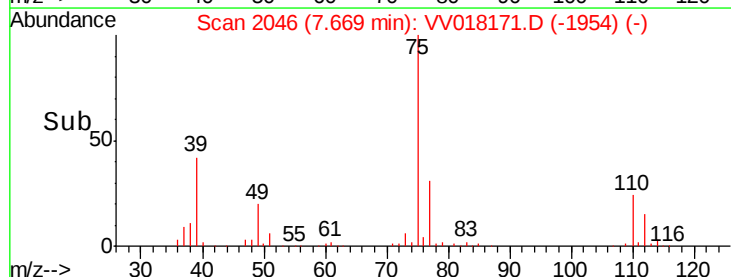
60000

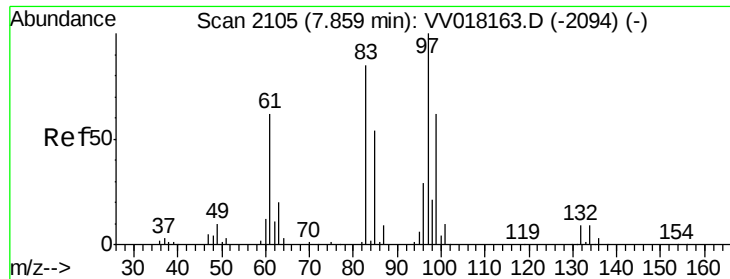
40000

20000

0

Time-->

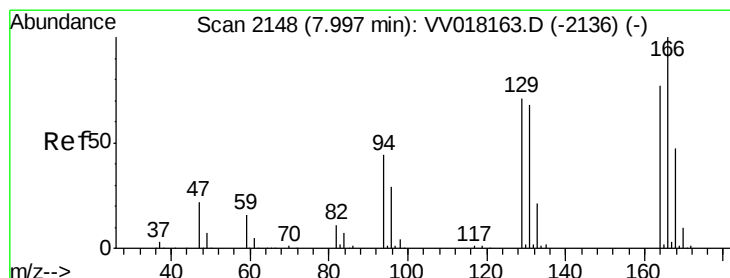
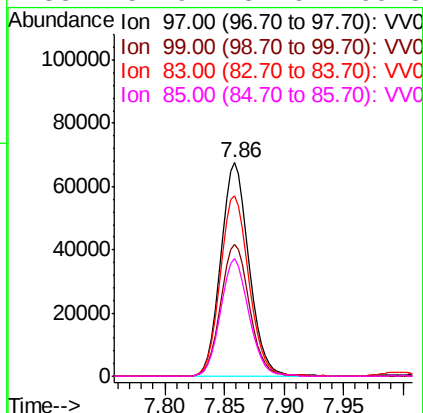
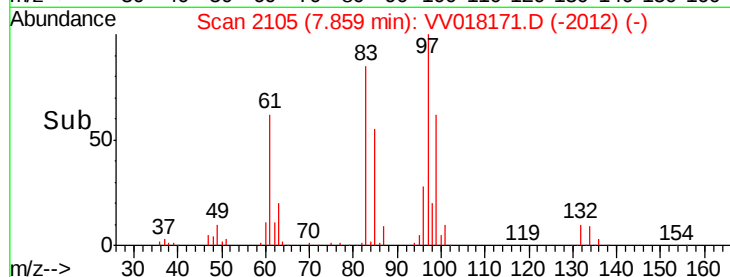
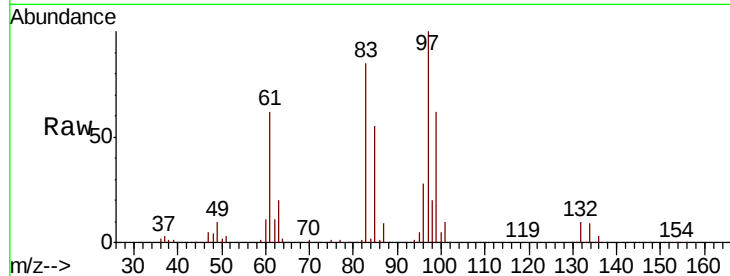




#45
 1,1,2-Trichloroethane
 Concen: 53.531 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018171.D
 Acq: 10 Sep 2020 10:24

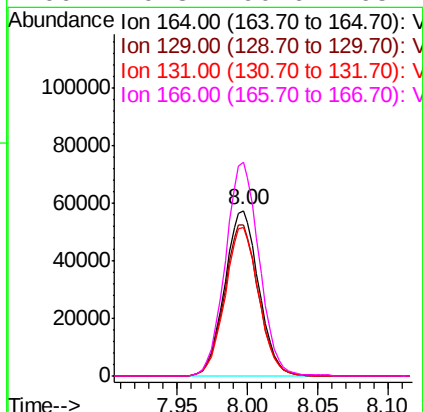
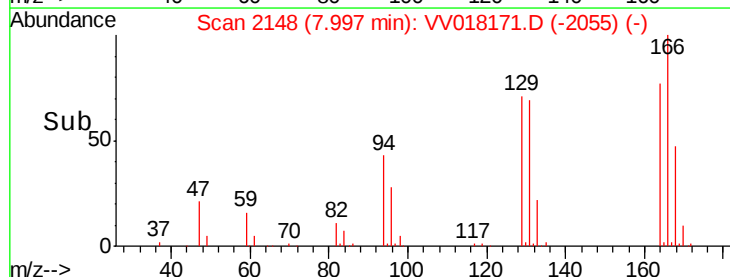
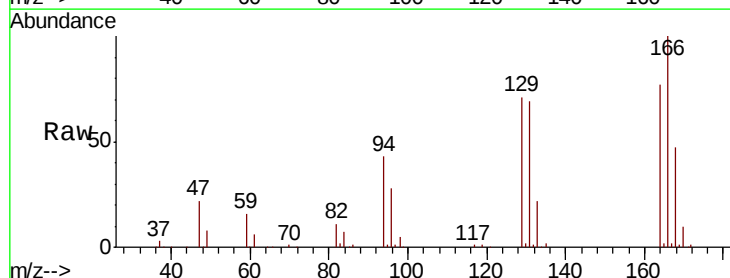
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB

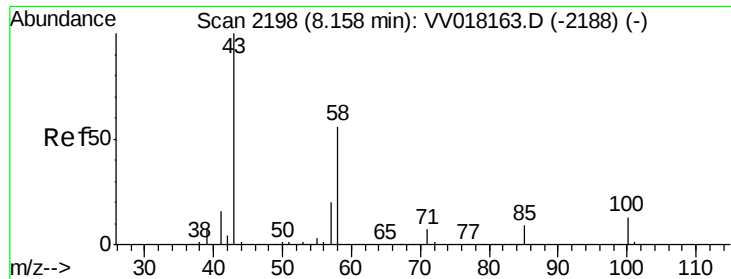
Tot Ion:	97	Resp:	111096
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.7	81.1
83	84.8	59.9	111.3
85	54.9	37.6	69.8



#46
 Tetrachloroethene
 Concen: 53.592 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV018171.D
 Acq: 10 Sep 2020 10:24

Tgt Ion:	164	Resp:	96724
Ion	Ratio	Lower	Upper
164	100		
129	91.5	64.5	119.7
131	89.6	61.8	114.8
166	129.3	90.6	168.2

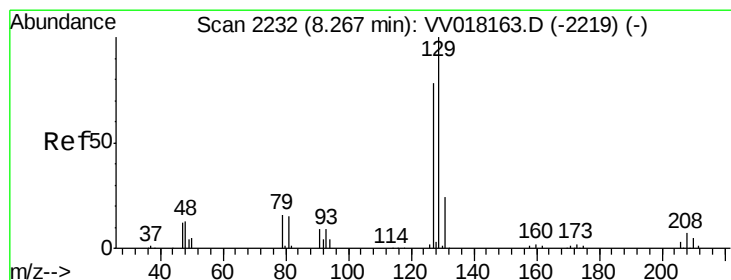
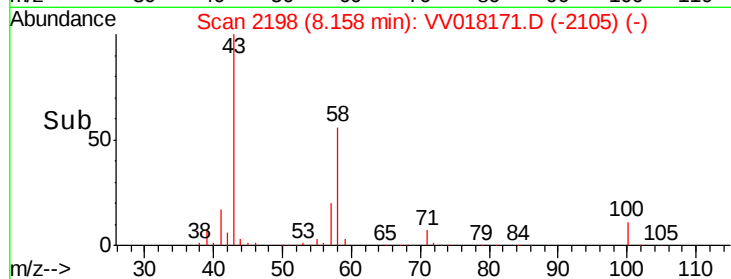
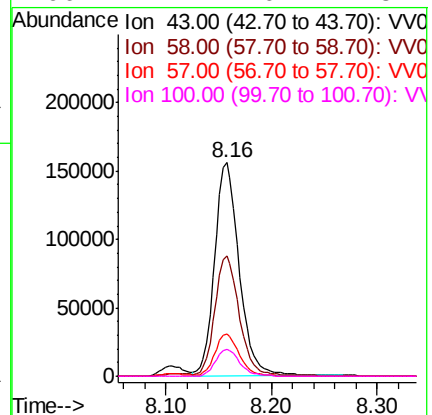
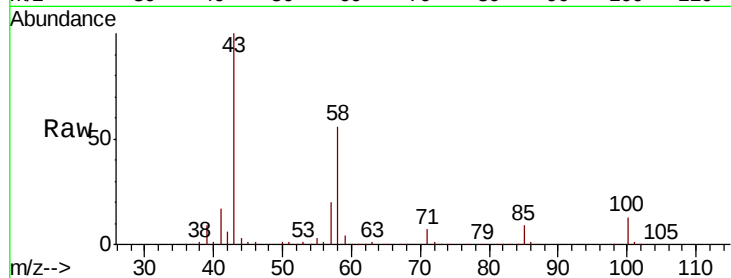




#48
2-Hexanone
Concen: 118.267 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018171.D
Acq: 10 Sep 2020 10:24

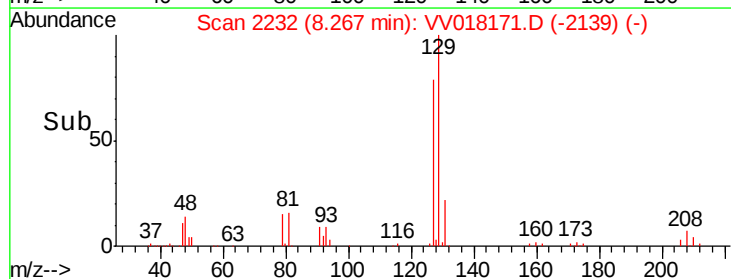
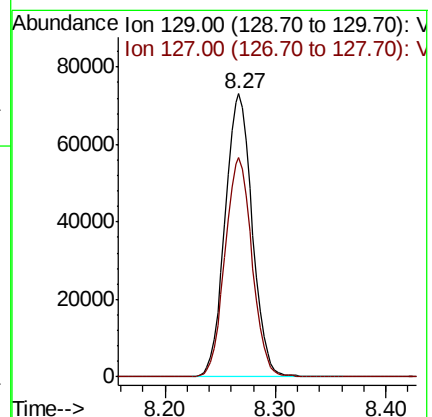
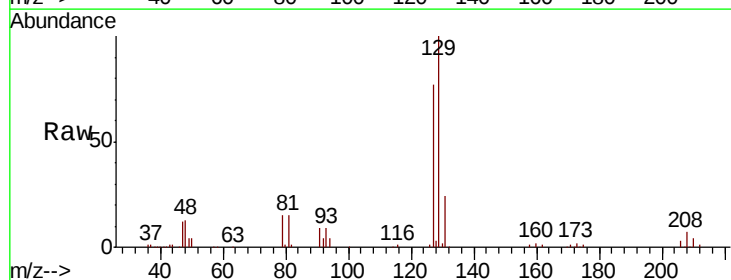
Instrument :
MSVOA_V
ClientSampleId :
BFB

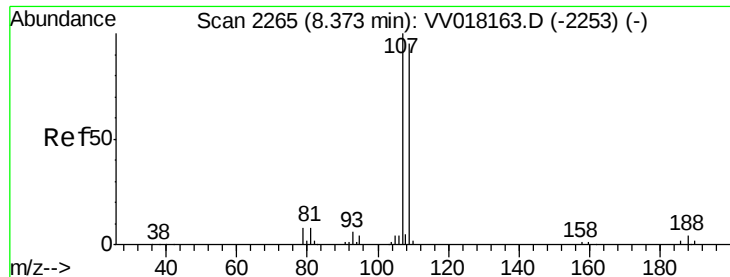
Tot Ion: 43 Resp: 253276
Ion Ratio Lower Upper
43 100
58 56.4 44.8 67.2
57 19.4 15.8 23.6
100 12.7 10.2 15.4



#49
Dibromochloromethane
Concen: 53.612 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018171.D
Acq: 10 Sep 2020 10:24

Tgt Ion: 129 Resp: 124892
Ion Ratio Lower Upper
129 100
127 77.4 54.5 101.1

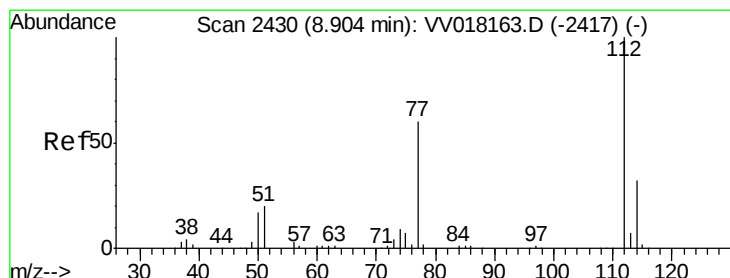
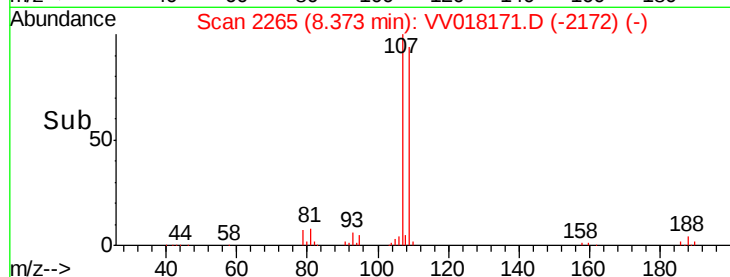
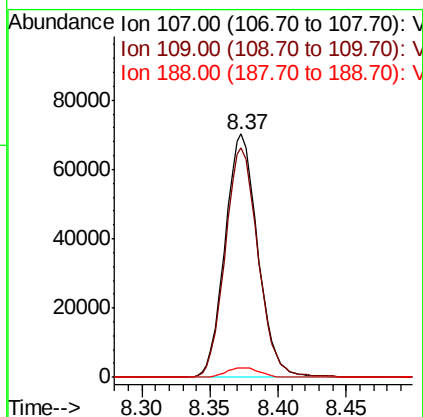
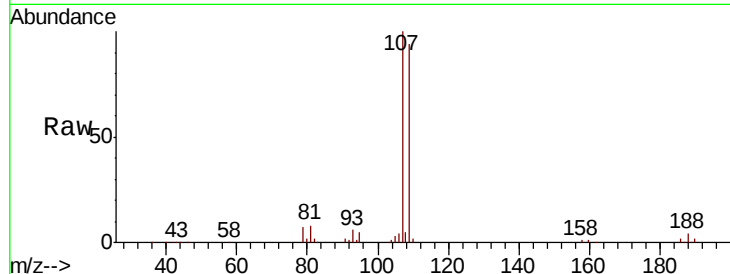




#50
 1,2-Dibromoethane
 Concen: 53.833 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV018171.D
 Acq: 10 Sep 2020 10:24

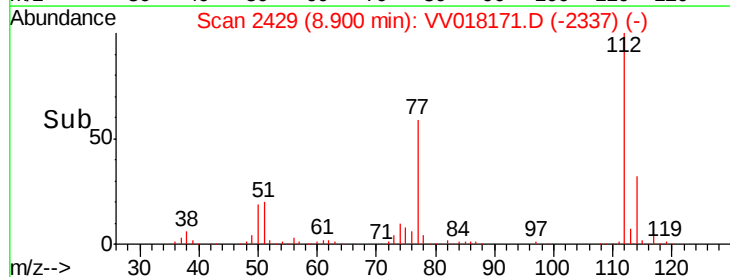
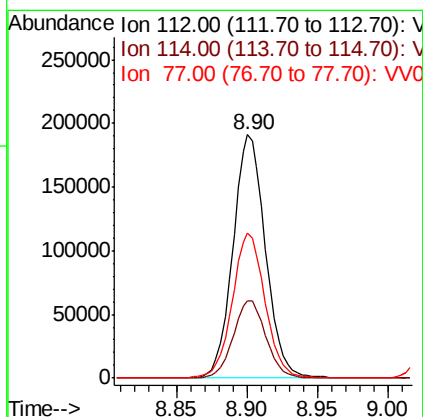
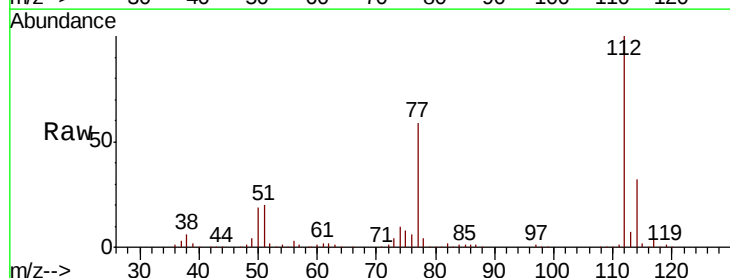
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB

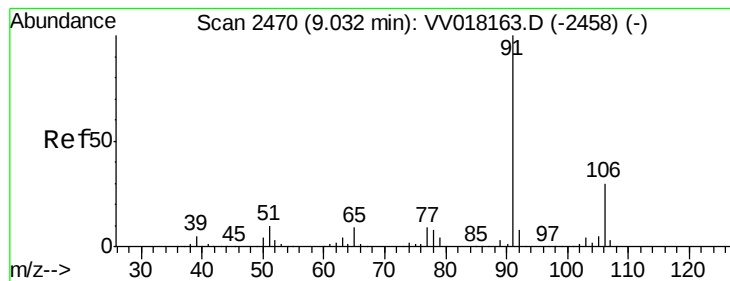
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	66.1	122.8
188	4.0	3.2	4.8



#51
 Chlorobenzene
 Concen: 53.002 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV018171.D
 Acq: 10 Sep 2020 10:24

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.6	42.0
77	59.3	48.0	72.0





#52

Ethylbenzene

Concen: 54.522 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

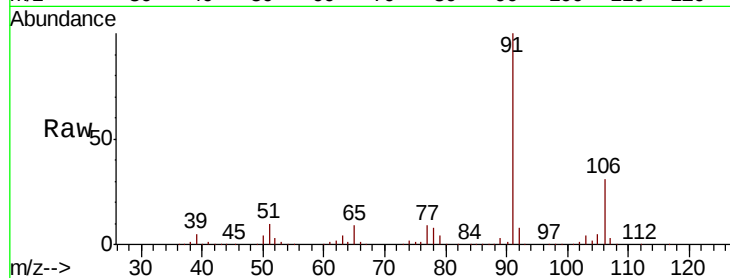
BFB

Tot Ion: 91 Resp: 532287

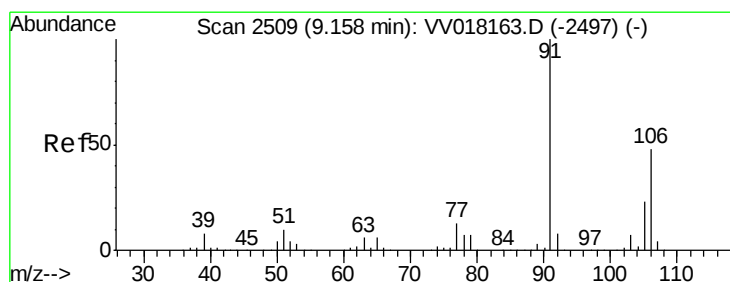
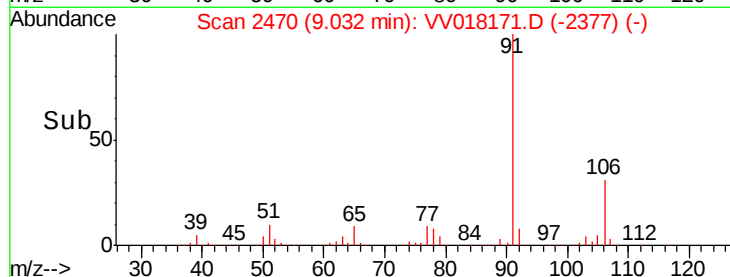
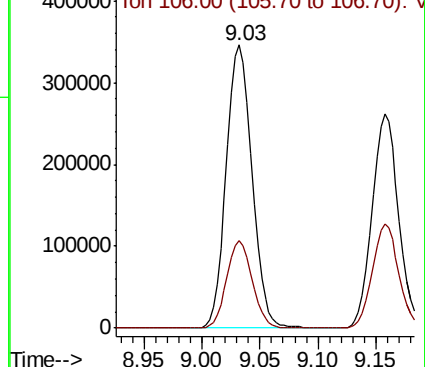
Ion Ratio Lower Upper

91 100

106 30.8 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV018171.D (-2377) (-)



#53

m,p-Xylene

Concen: 55.198 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018171.D

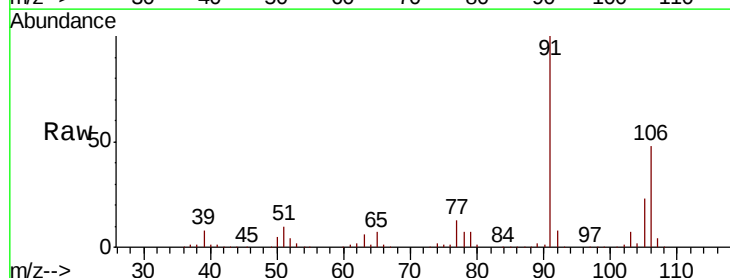
Acq: 10 Sep 2020 10:24

Tgt Ion: 106 Resp: 201140

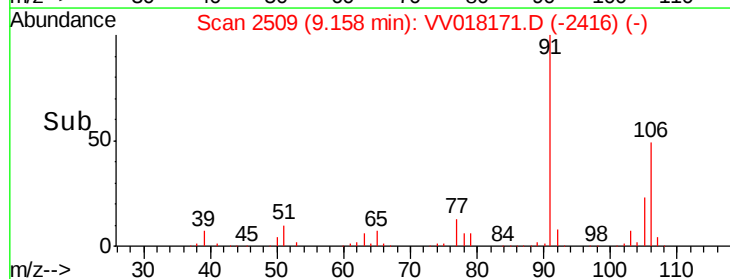
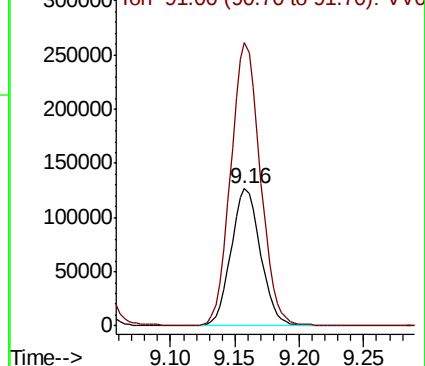
Ion Ratio Lower Upper

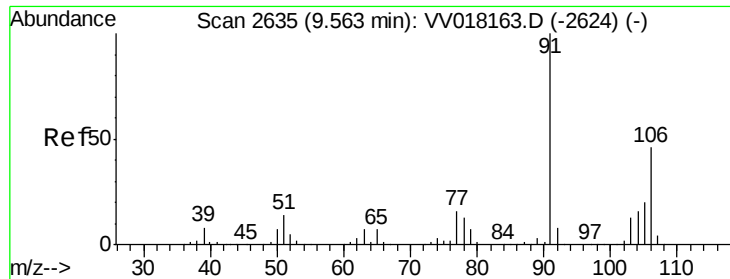
106 100

91 206.2 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018171.D (-2416) (-)





#54

o-xylene

Concen: 55.442 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

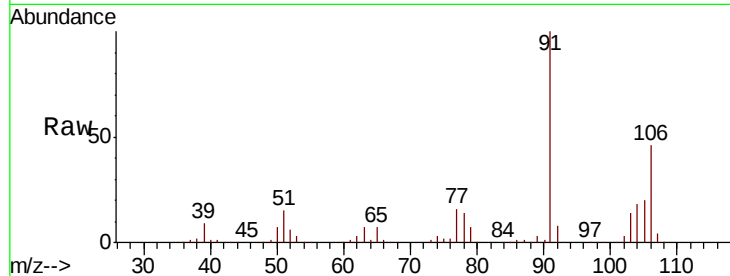
Instrument :
MSVOA_V
ClientSampled :
BFB

Tot Ion:106 Resp: 194633

Ion Ratio Lower Upper

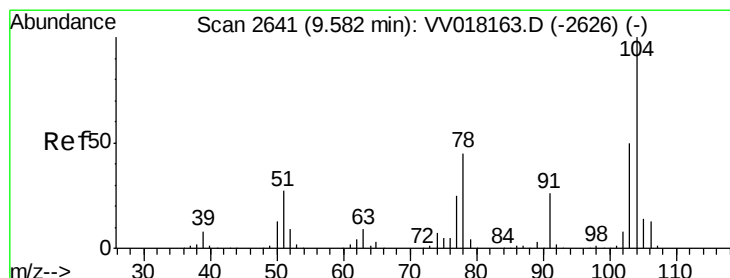
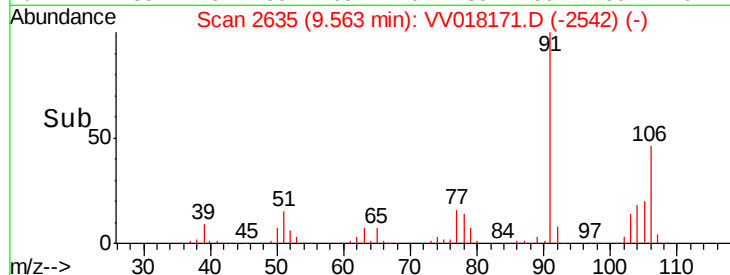
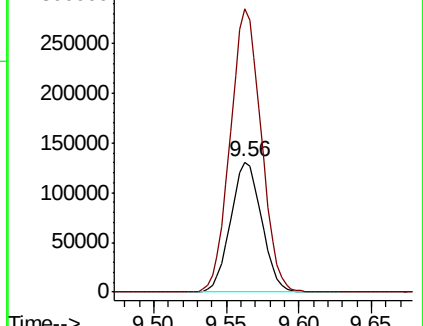
106 100

91 218.1 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 56.502 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018171.D

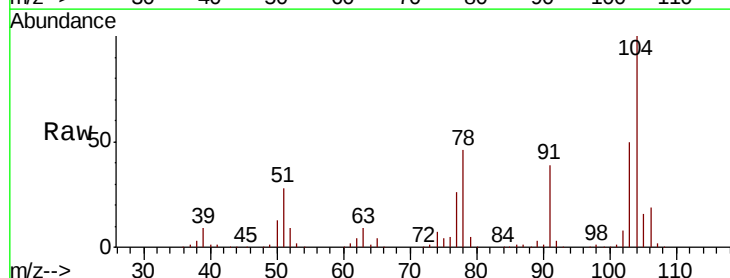
Acq: 10 Sep 2020 10:24

Tgt Ion:104 Resp: 344760

Ion Ratio Lower Upper

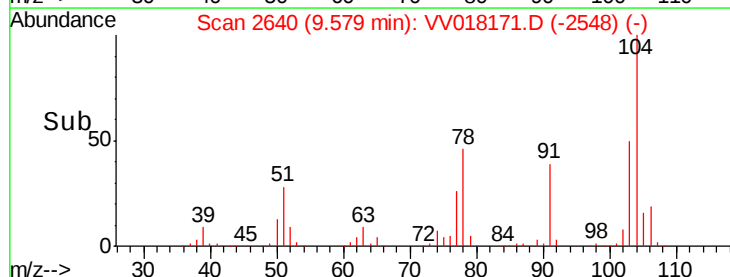
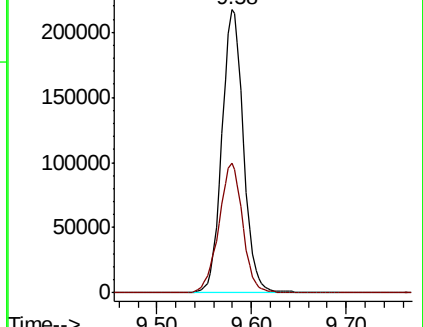
104 100

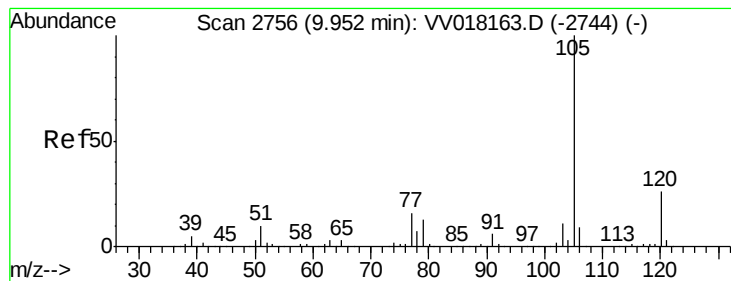
78 45.8 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 55.332 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

BFB

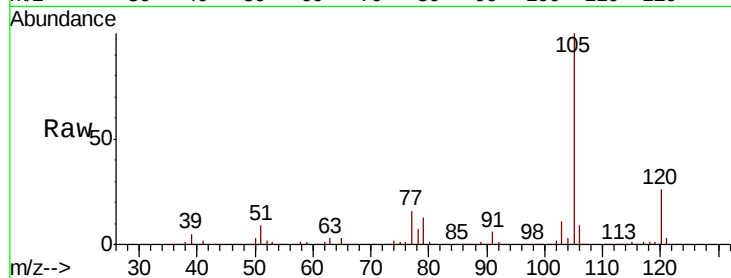
Tot Ion:105 Resp: 523513

Ion Ratio Lower Upper

105 100

120 26.3 20.9 31.3

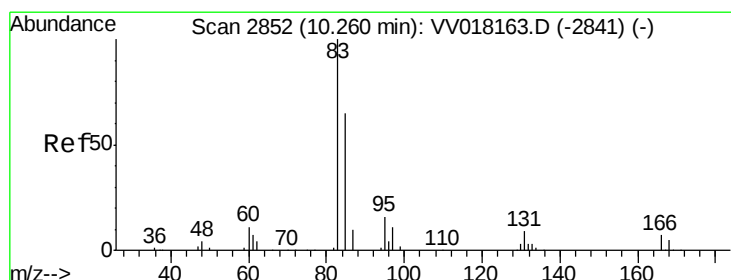
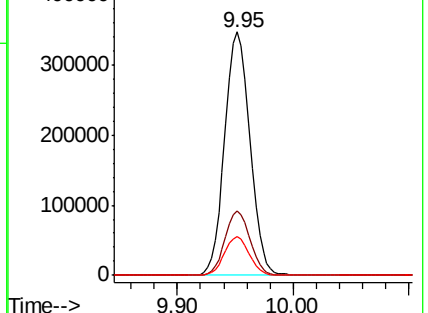
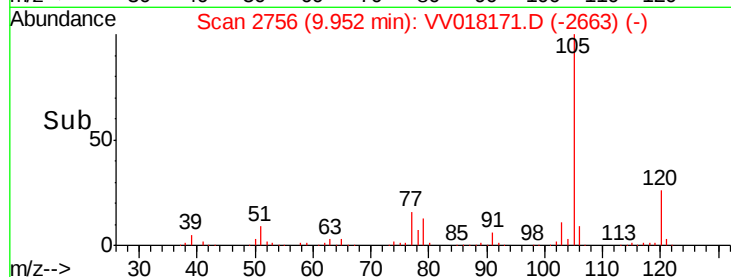
77 15.7 12.5 18.7



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: 54.091 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

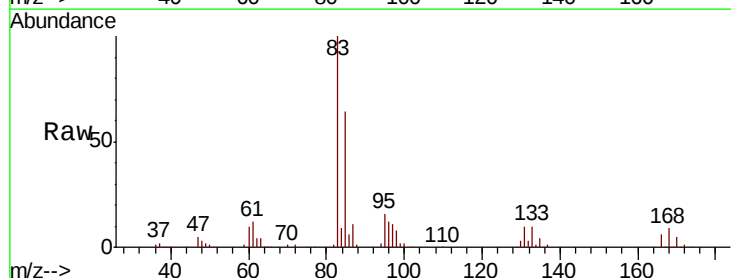
Tgt Ion: 83 Resp: 166058

Ion Ratio Lower Upper

83 100

85 64.1 45.8 85.2

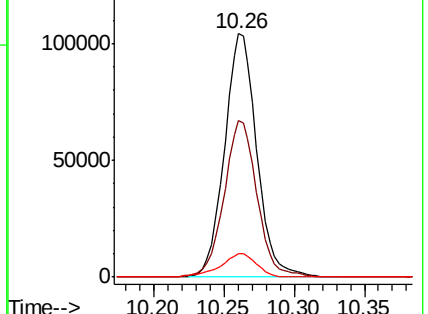
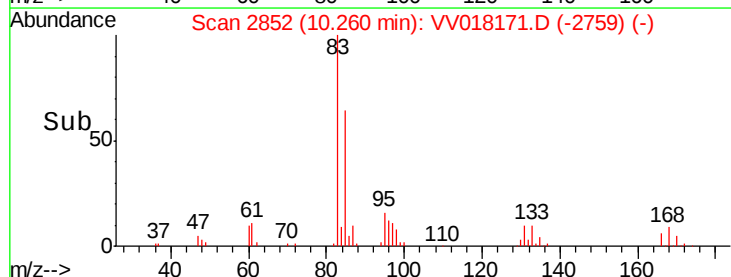
131 9.5 8.0 12.0

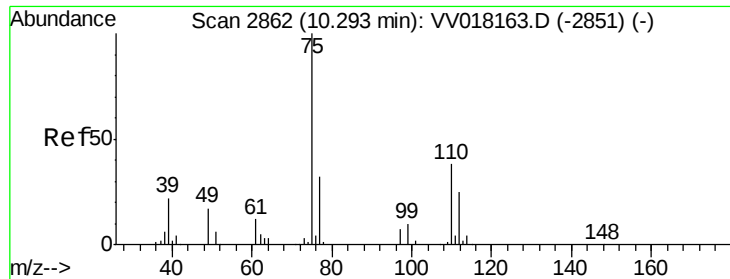


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 53.749 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampled :

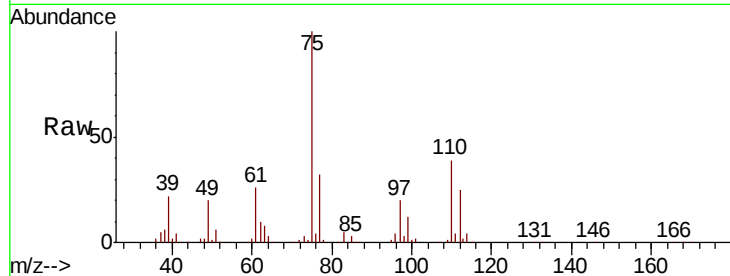
BFB

Tot Ion: 75 Resp: 141553

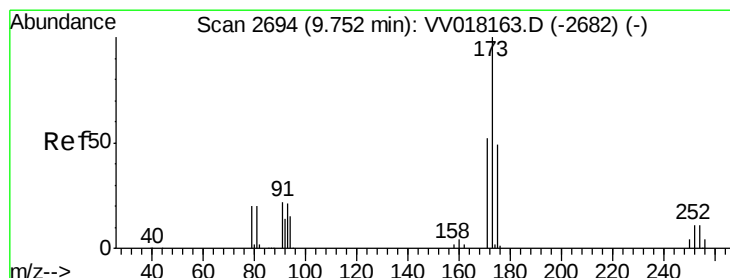
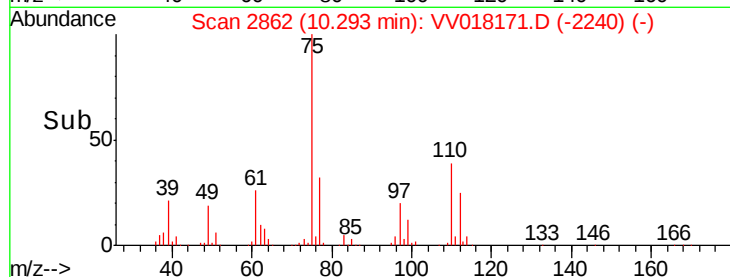
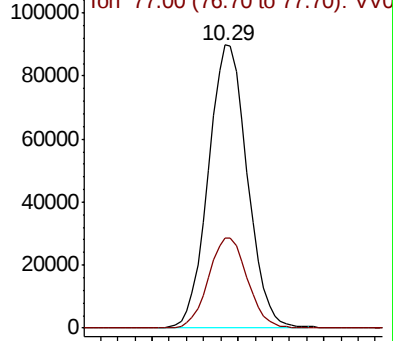
Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV018163.D (-2851) (-)



#61

Bromoform

Concen: 52.521 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

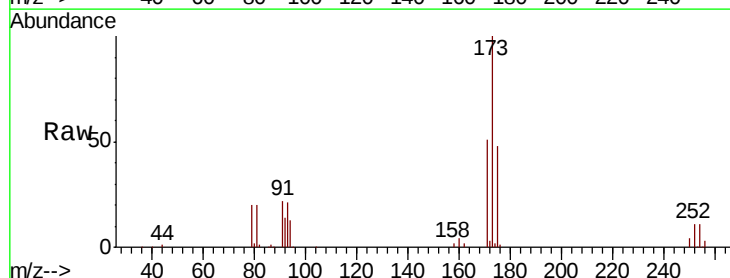
Tgt Ion: 173 Resp: 91945

Ion Ratio Lower Upper

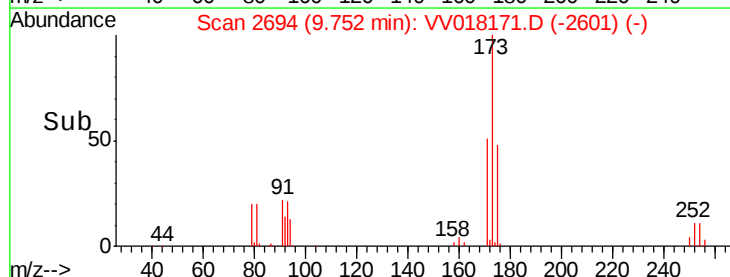
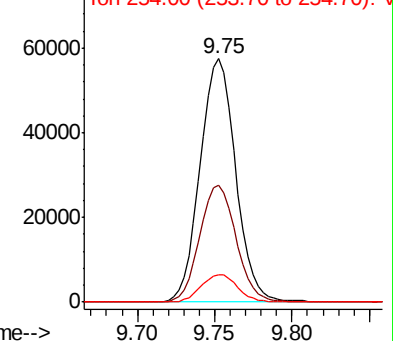
173 100

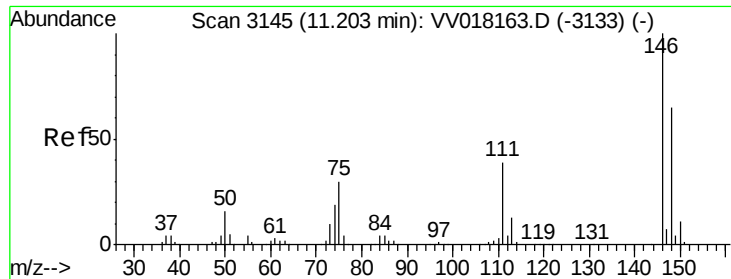
175 49.2 39.0 58.6

254 11.5 9.0 13.4



Abundance Ion 173.00 (172.70 to 173.70): VV018163.D (-2682) (-)





#62

1,3-Dichlorobenzene

Concen: 54.148 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

BFB

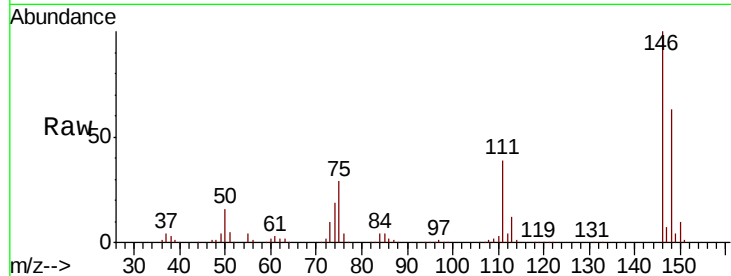
Tot Ion:146 Resp: 262384

Ion Ratio Lower Upper

146 100

111 38.7 27.6 51.2

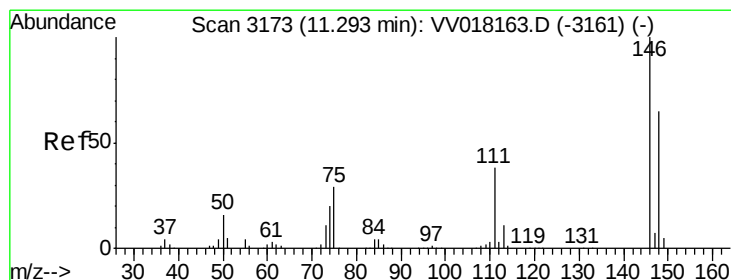
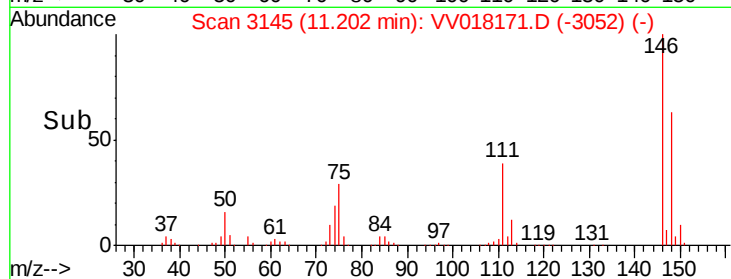
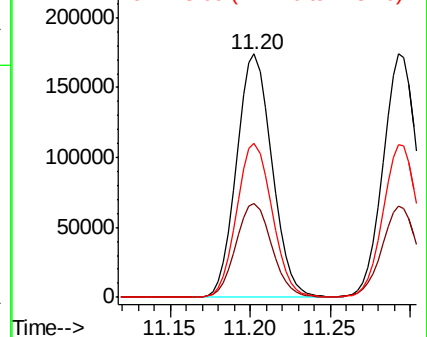
148 63.4 45.4 84.2



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



#63

1,4-Dichlorobenzene

Concen: 53.466 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

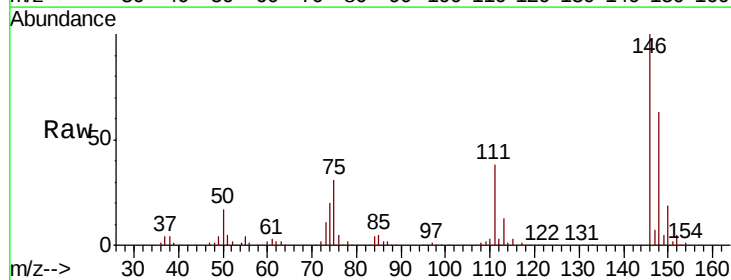
Tgt Ion:146 Resp: 266297

Ion Ratio Lower Upper

146 100

111 37.6 27.1 50.3

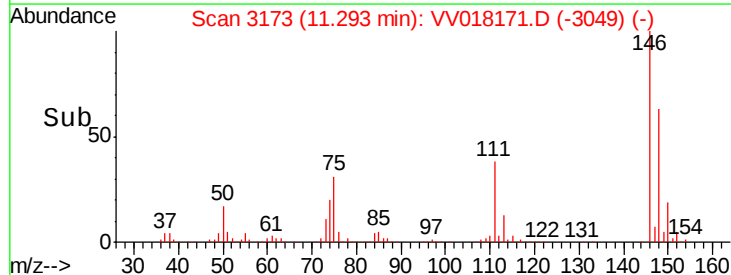
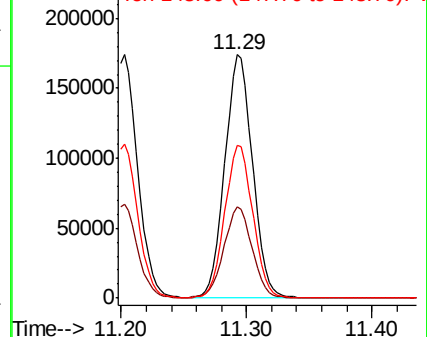
148 62.7 45.4 84.2

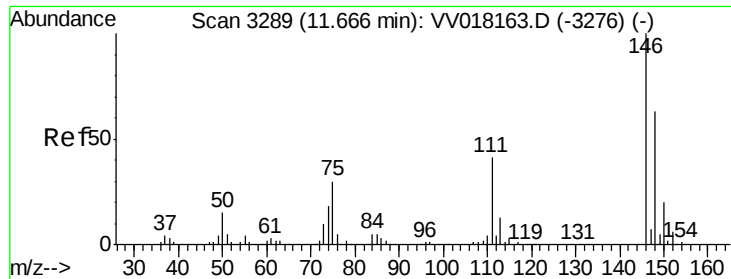


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

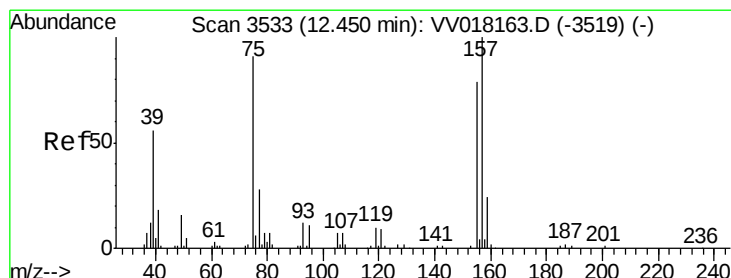
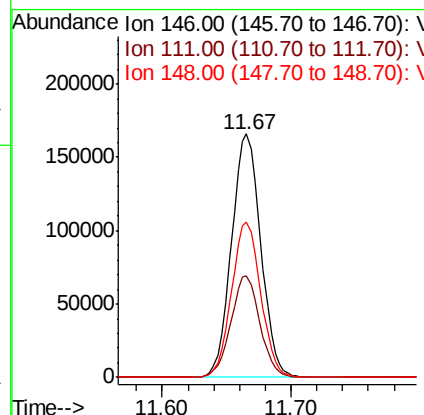
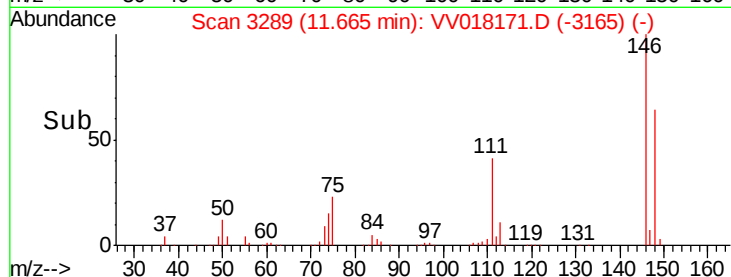
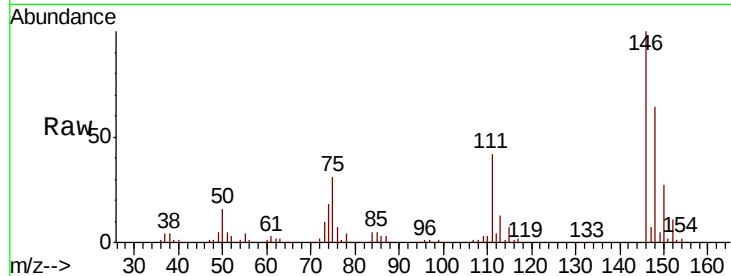




#65
 1,2-Dichlorobenzene
 Concen: 53.246 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018171.D
 Acq: 10 Sep 2020 10:24

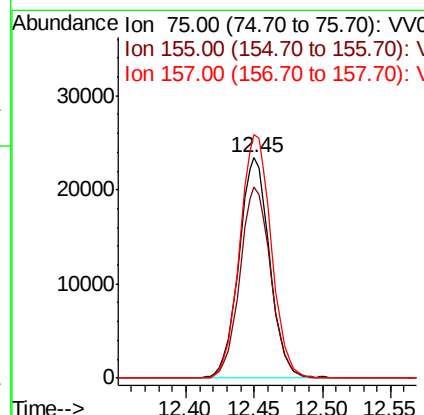
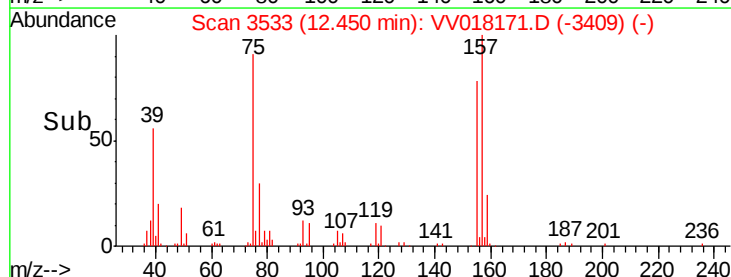
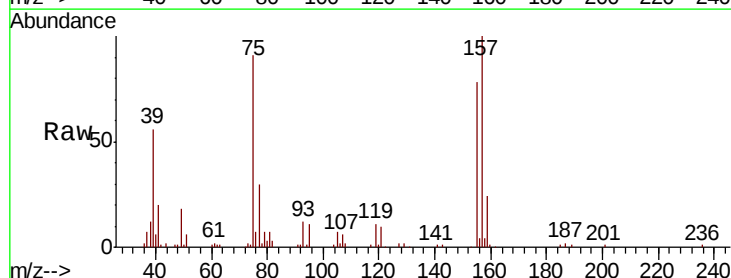
Instrument :
 MSVOA_V
 ClientSampled :
 BFB

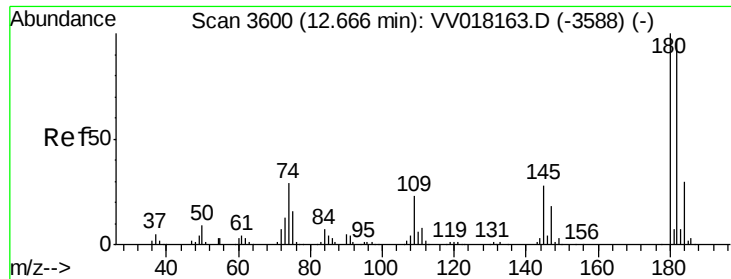
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	32.8	49.2
148	63.8	50.7	76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 52.976 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV018171.D
 Acq: 10 Sep 2020 10:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.4	69.7	104.5
157	110.4	88.2	132.4

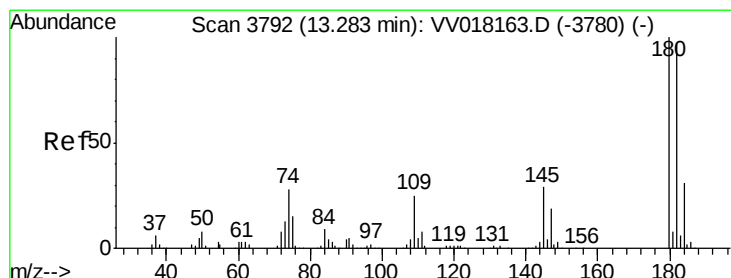
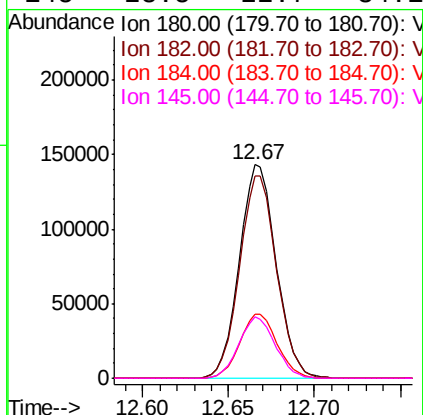
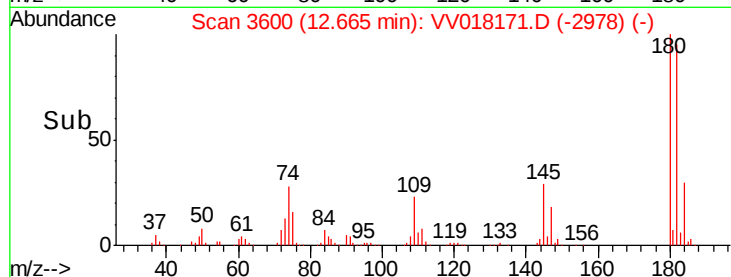
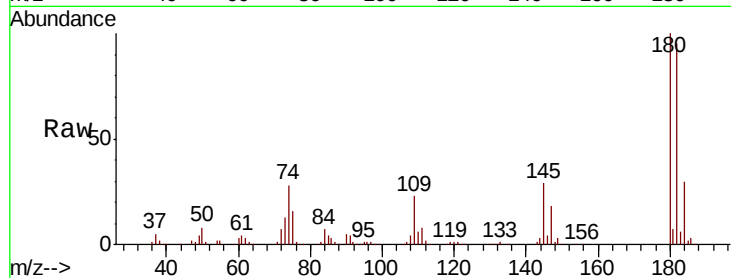




#67
 1,3,5-Trichlorobenzene
 Concen: 55.745 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018171.D
 Acq: 10 Sep 2020 10:24

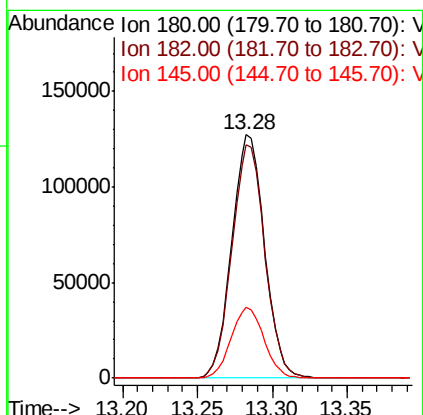
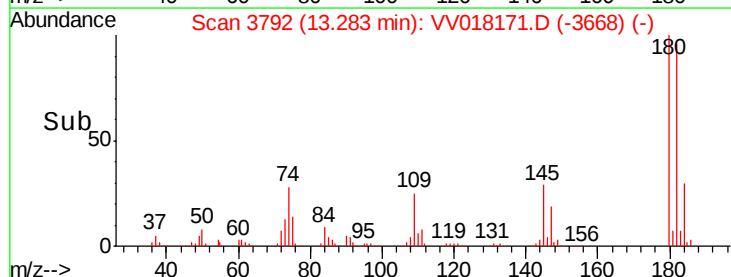
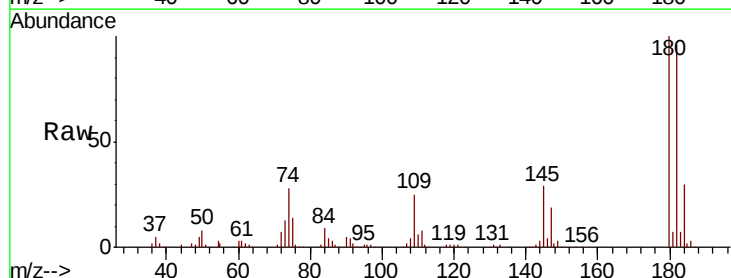
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB

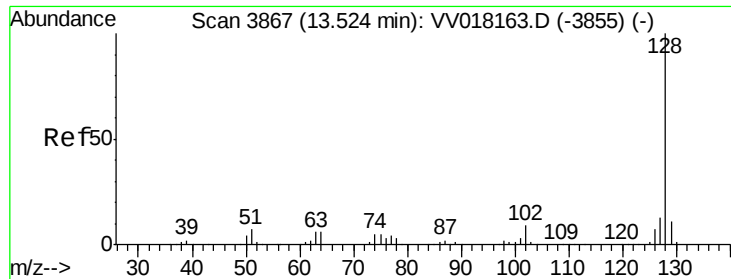
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.8	115.2
184	30.7	24.6	36.8
145	28.5	22.7	34.1



#68
 1,2,4-trichlorobenzene
 Concen: 57.185 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018171.D
 Acq: 10 Sep 2020 10:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.4	116.2
145	29.2	23.2	34.8





#69

Naphthalene

Concen: 59.835 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

BFB

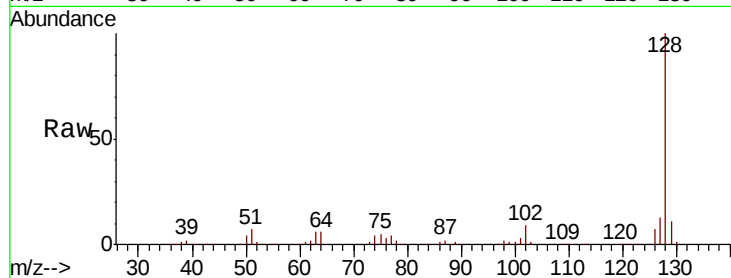
Tot Ion:128 Resp: 515037

Ion Ratio Lower Upper

128 100

127 12.8 10.6 15.8

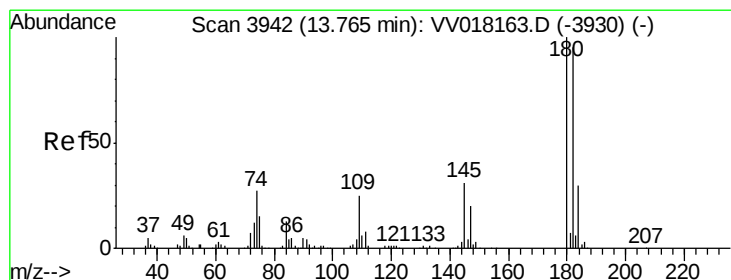
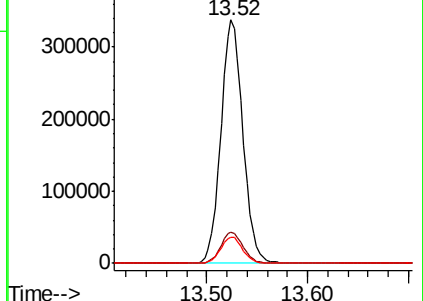
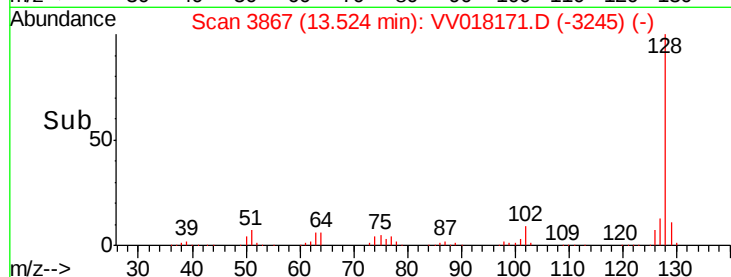
129 10.9 8.6 13.0



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: 57.518 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018171.D

Acq: 10 Sep 2020 10:24

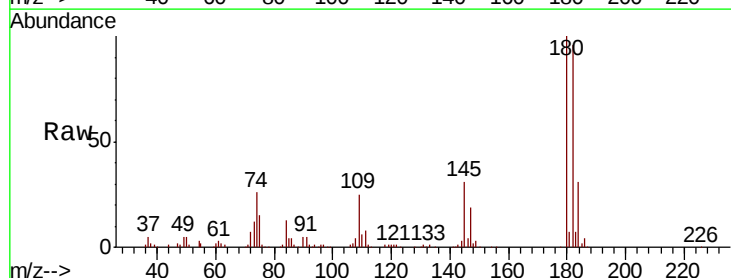
Tgt Ion:180 Resp: 192715

Ion Ratio Lower Upper

180 100

182 95.7 76.5 114.7

145 30.5 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

