

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102220\
 Data File : VV019069.D
 Acq On : 22 Oct 2020 14:21
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB20

Quant Time: Oct 23 06:31:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 13:54:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	310673	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	299611	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	158992	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	135795	48.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.24%
7) Chloroethane-d5	1.58	69	109276	48.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.12	63	256051	48.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.88%
21) 2-Butanone-d5	3.92	46	187438	98.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.75%
24) Chloroform-d	4.37	84	239885	48.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.05	65	161234	48.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.16%
32) Benzene-d6	5.07	84	460990	50.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.09	67	146306	49.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.56%
41) Toluene-d8	7.34	98	417070	50.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.78%
43) trans-1,3-Dichloropropene-	7.64	79	77291	50.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.62%
47) 2-Hexanone-d5	8.11	63	135067	104.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.64%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	193543	48.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.98%
64) 1,2-Dichlorobenzene-d4	11.65	152	162827	48.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.66%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	123327	50.964	ug/L 99
3) Chloromethane	1.25	50	148405	49.312	ug/L 100
5) Vinyl chloride	1.32	62	147830	49.862	ug/L 99
6) Bromomethane	1.53	94	90109	53.118	ug/L 99
8) Chloroethane	1.60	64	93604	50.346	ug/L 98
9) Trichlorofluoromethane	1.77	101	197116	50.547	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	106819	51.505	ug/L 99
12) 1,1-Dichloroethene	2.13	96	102588	49.440	ug/L 92
13) Acetone	2.20	43	125022	97.181	ug/L 99
14) Carbon disulfide	2.31	76	342585	50.076	ug/L 100
15) Methyl Acetate	2.45	43	137918	51.015	ug/L 100
16) Methylene chloride	2.52	84	122346	50.587	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	111314	50.764	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	369215	51.924	ug/L 100
19) 1,1-Dichloroethane	3.21	63	222027	50.151	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	119699	51.050	ug/L 100
22) 2-Butanone	4.00	43	179882	101.998	ug/L 100

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

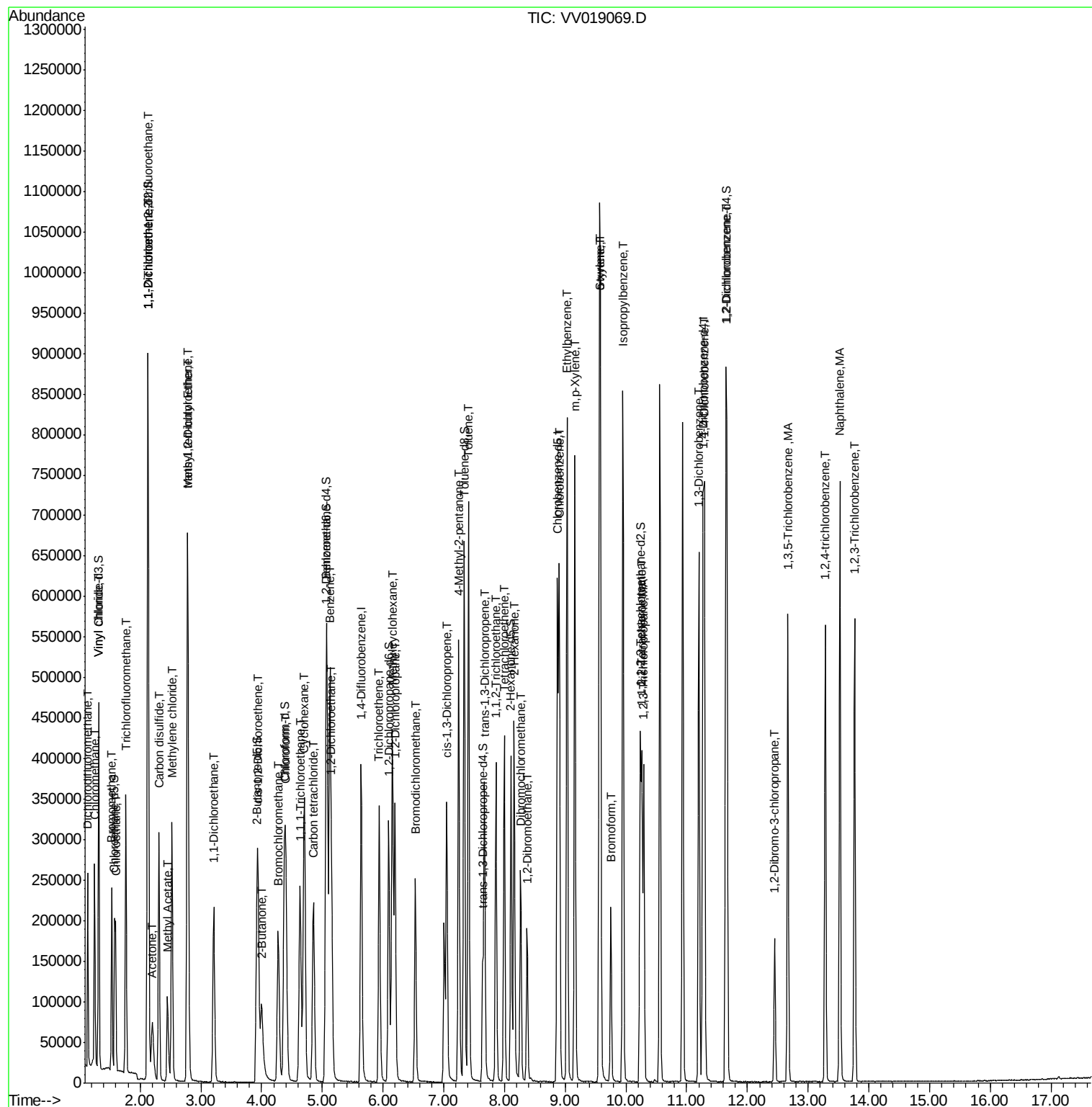
23) Bromochloromethane	4.27	128	61408	51.448	ug/L	97
25) Chloroform	4.40	83	219719	50.380	ug/L	100
27) 1,2-Dichloroethane	5.15	62	187488	51.800	ug/L	100
29) Cyclohexane	4.70	56	194174	54.144	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	192943	51.722	ug/L	99
31) Carbon tetrachloride	4.85	117	164646	50.629	ug/L	99
33) Benzene	5.13	78	471479	51.404	ug/L	100
34) Trichloroethene	5.94	95	117411	50.657	ug/L	97
35) Methylcyclohexane	6.15	83	170776	53.853	ug/L	100
37) 1,2-Dichloropropane	6.20	63	126547	50.116	ug/L	100
38) Bromodichloromethane	6.53	83	165017	51.649	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	192627	51.618	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	368286	108.109	ug/L	100
42) Toluene	7.41	91	490826	52.135	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	194802	52.618	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	114637	51.403	ug/L	98
46) Tetrachloroethene	8.00	164	91217	51.285	ug/L	99
48) 2-Hexanone	8.16	43	280494	106.704	ug/L	99
49) Dibromochloromethane	8.27	129	126836	52.032	ug/L	98
50) 1,2-Dibromoethane	8.37	107	118560	51.228	ug/L	99
51) Chlorobenzene	8.90	112	310983	51.503	ug/L	99
52) Ethylbenzene	9.03	91	537204	52.768	ug/L	100
53) m,p-Xylene	9.16	106	200043	53.676	ug/L	97
54) o-xylene	9.56	106	193270	53.861	ug/L	98
55) Styrene	9.58	104	348305	54.720	ug/L	100
56) Isopropylbenzene	9.95	105	510548	54.110	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	184981	50.408	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	150944	51.124	ug/L	100
61) Bromoform	9.75	173	92387	51.598	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	246380	51.639	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	253328	50.812	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	246223	51.183	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	44095	51.882	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	168661	51.768	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	162675	52.951	ug/L	98
69) Naphthalene	13.52	128	527930	55.772	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	165274	53.096	ug/L	99

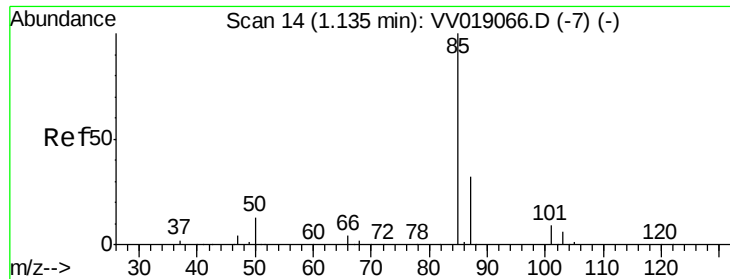
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.964 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

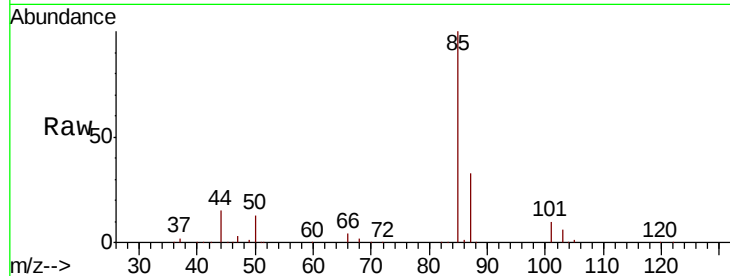
BFB20

Tot Ion: 85 Resp: 123327

Ion Ratio Lower Upper

85 100

87 32.7 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV019066.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV019066.D (-7) (-)

1.14

150000

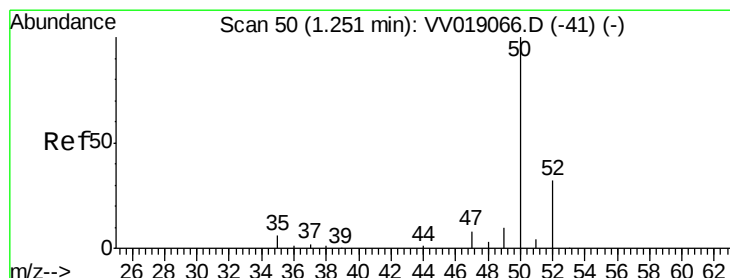
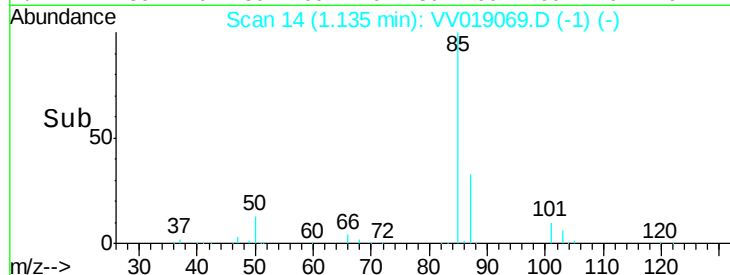
100000

50000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 49.312 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019069.D

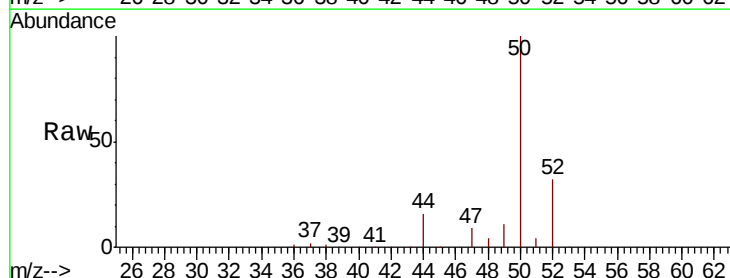
Acq: 22 Oct 2020 14:21

Tgt Ion: 50 Resp: 148405

Ion Ratio Lower Upper

50 100

52 32.2 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV019066.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV019066.D (-41) (-)

1.25

150000

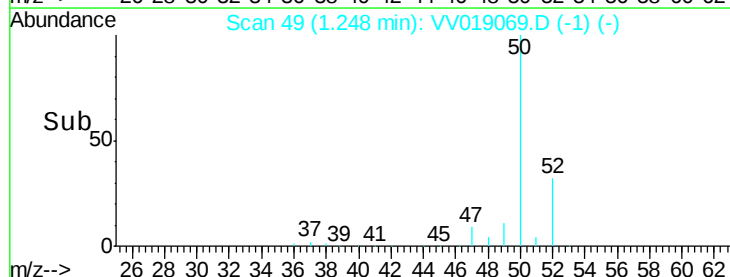
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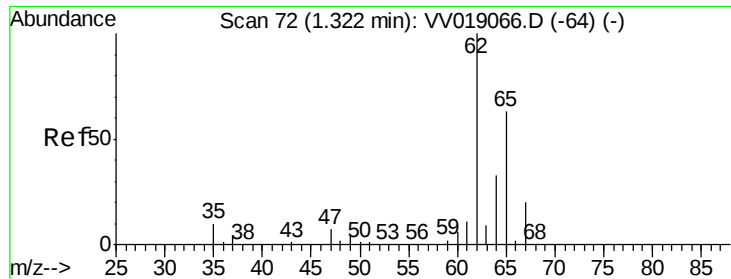
50000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 49.862 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

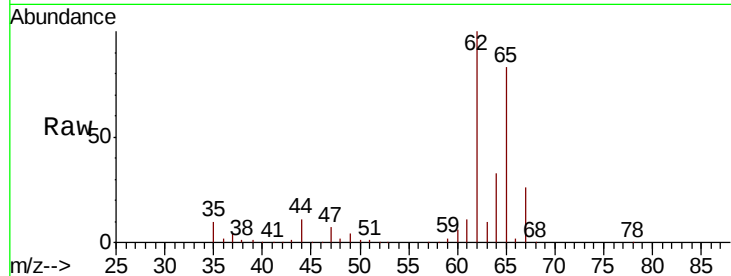
BFB20

Tot Ion: 62 Resp: 147830

Ion Ratio Lower Upper

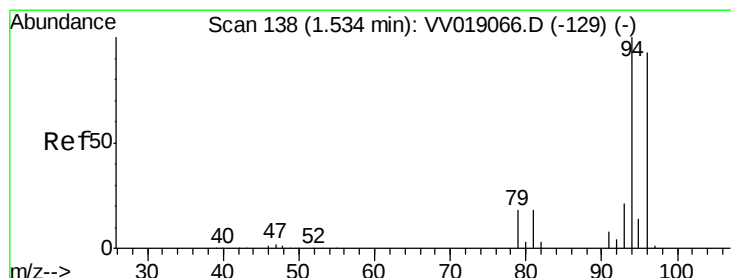
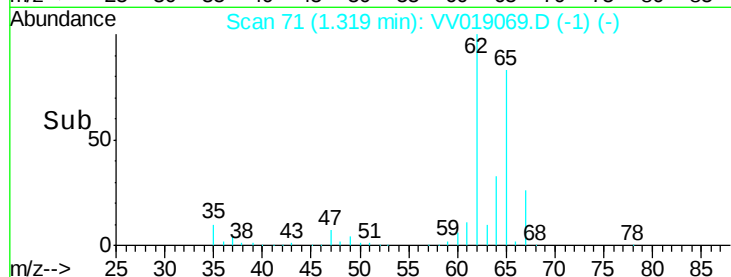
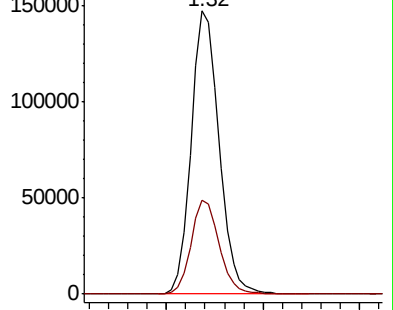
62 100

64 33.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 53.118 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV019069.D

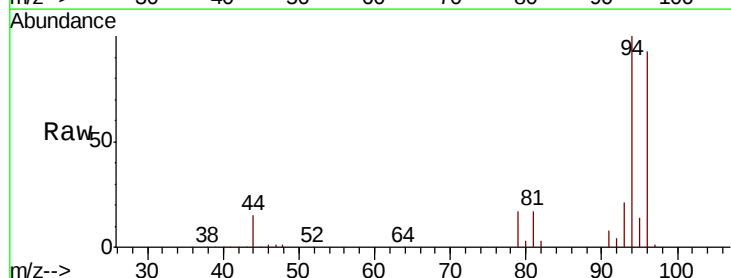
Acq: 22 Oct 2020 14:21

Tgt Ion: 94 Resp: 90109

Ion Ratio Lower Upper

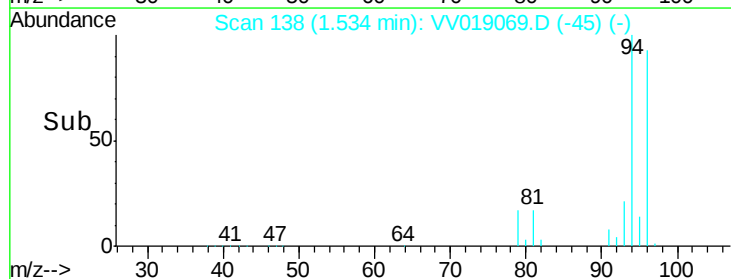
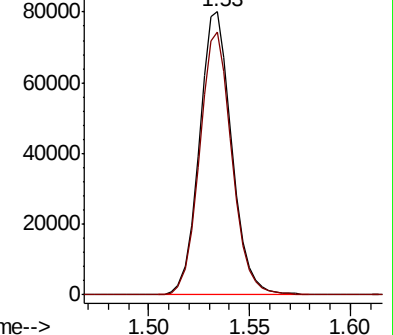
94 100

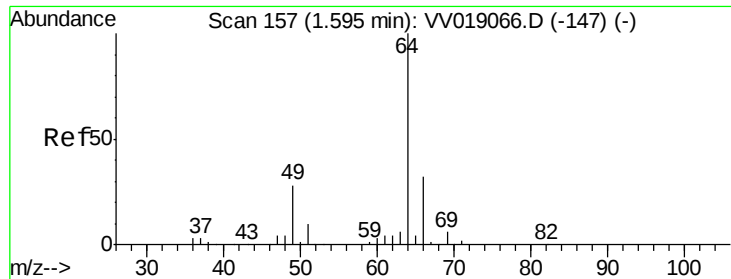
96 92.8 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 50.346 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

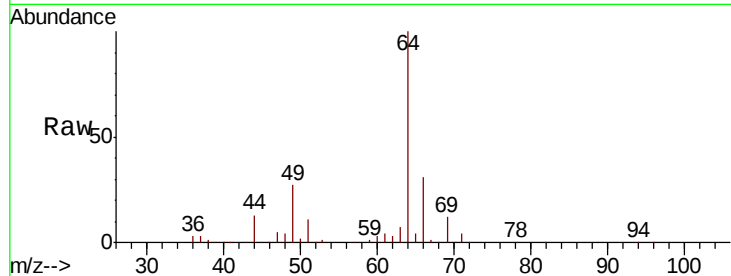
BFB20

Tot Ion: 64 Resp: 93604

Ion Ratio Lower Upper

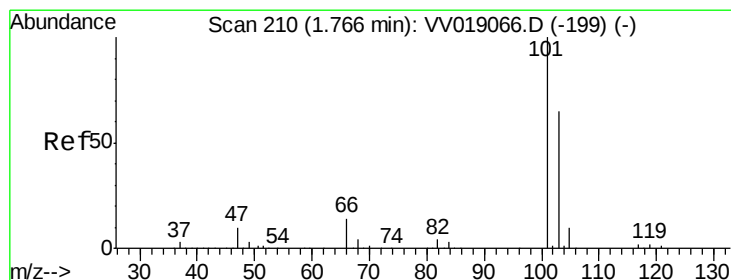
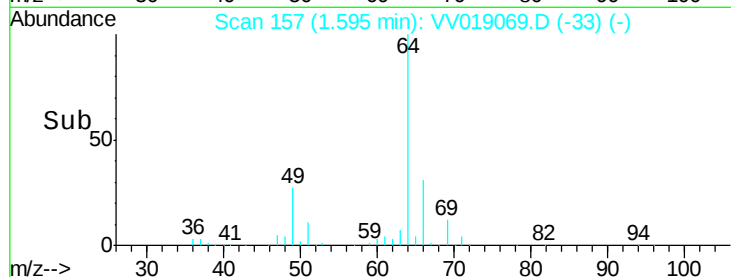
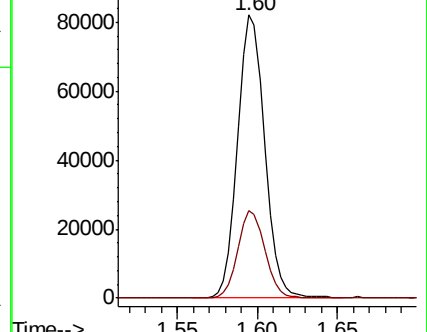
64 100

66 30.9 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VV019066.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV019066.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 50.547 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV019069.D

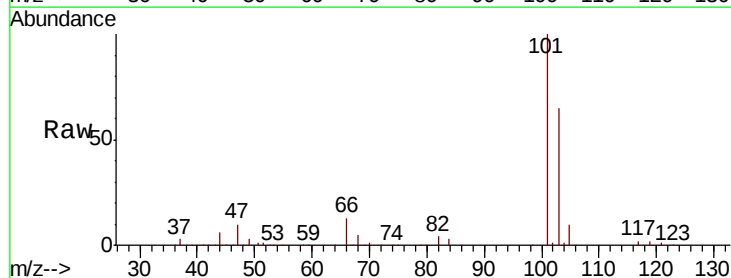
Acq: 22 Oct 2020 14:21

Tgt Ion: 101 Resp: 197116

Ion Ratio Lower Upper

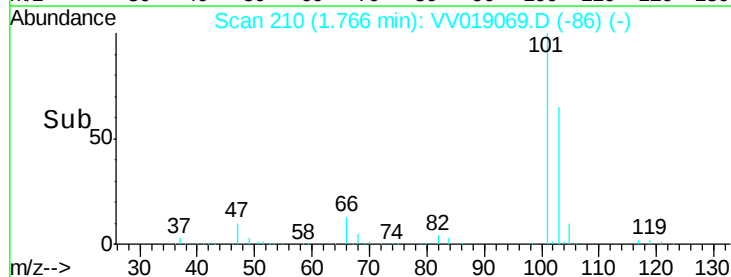
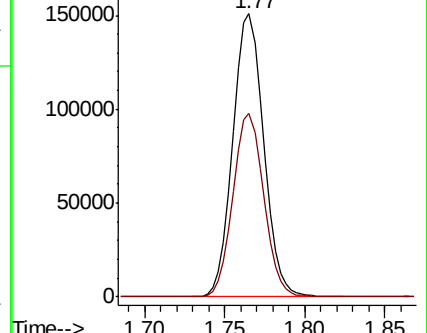
101 100

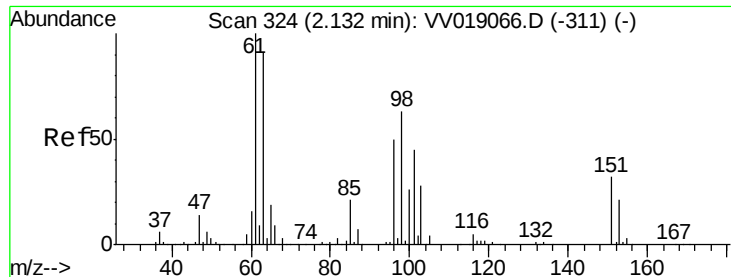
103 64.7 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VV019066.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV019066.D (-199) (-)





#10

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

Concen: 51.505 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

Instrument :

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ClientSampleId :

BFB20

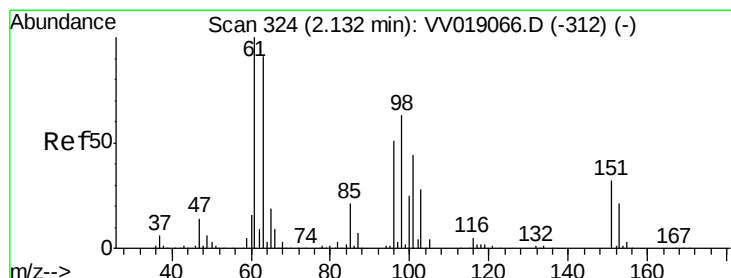
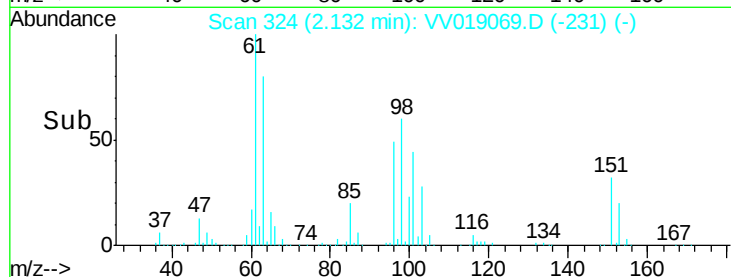
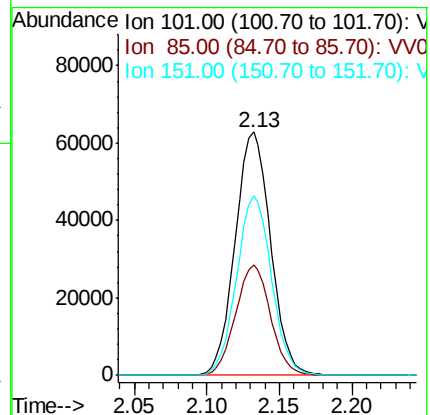
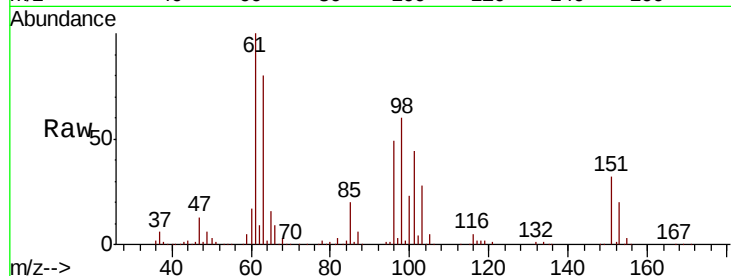
Tot Ion:101 Resp: 106819

Ion Ratio Lower Upper

101 100

85 44.7 36.9 55.3

151 72.8 58.2 87.2



#12

1,1-Dichloroethene

Concen: 49.440 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

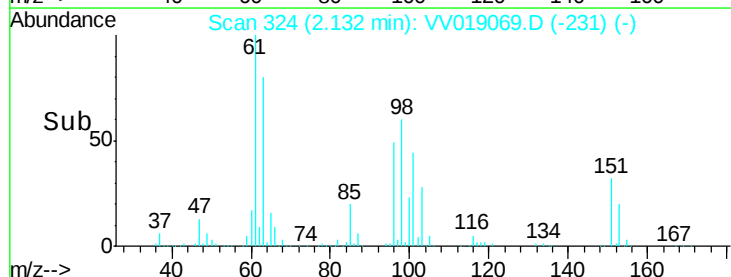
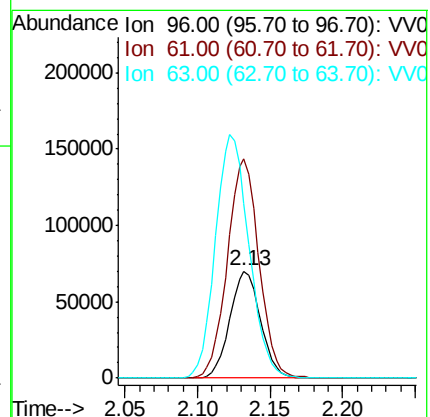
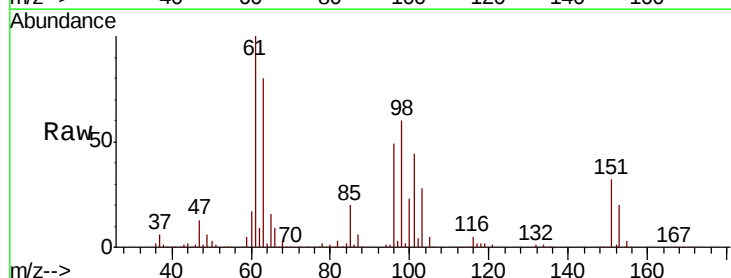
Tgt Ion: 96 Resp: 102588

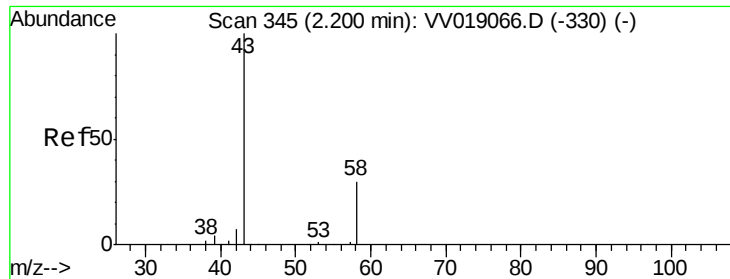
Ion Ratio Lower Upper

96 100

61 204.4 138.7 257.7

63 163.4 126.3 234.6





#13

Acetone

Concen: 97.181 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV019069.D

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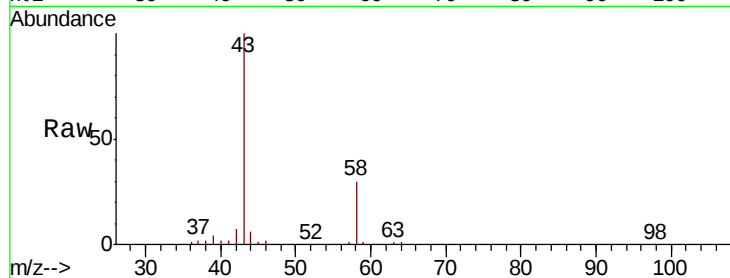
BFB20

Tot Ion: 43 Resp: 125022

Ion Ratio Lower Upper

43 100

58 30.6 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV019066.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV019066.D (-330) (-)

2.20

50000

40000

30000

20000

10000

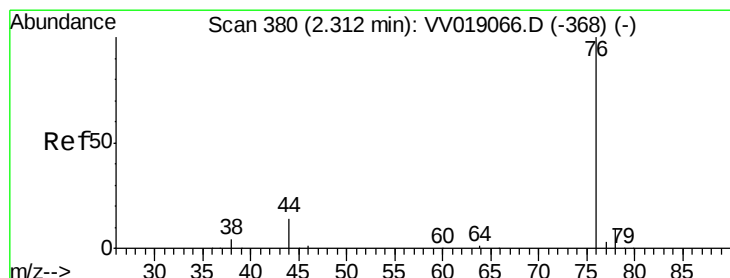
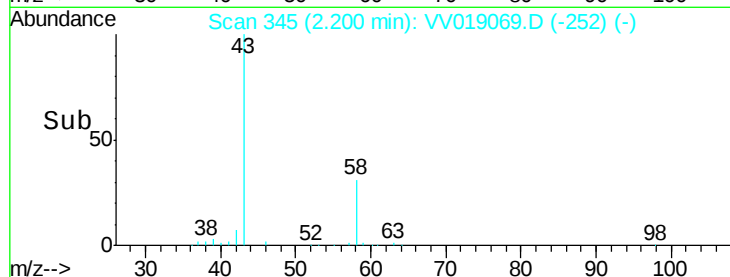
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Time-->

2.10

2.20

2.30



#14

Carbon disulfide

Concen: 50.076 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019069.D

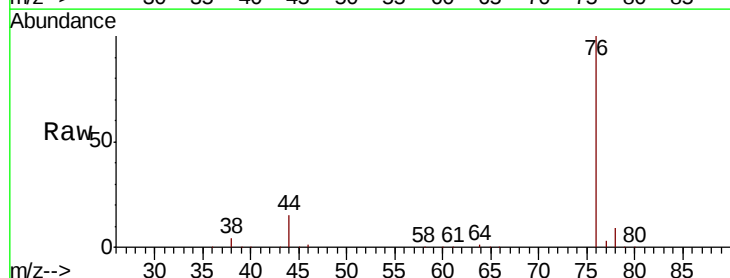
Acq: 22 Oct 2020 14:21

Tgt Ion: 76 Resp: 342585

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019066.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV019066.D (-368) (-)

2.31

250000

200000

150000

100000

50000

0

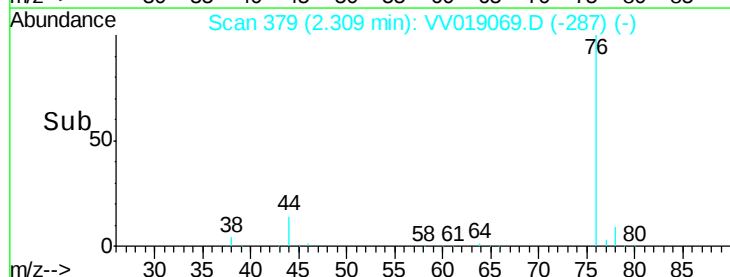
Time-->

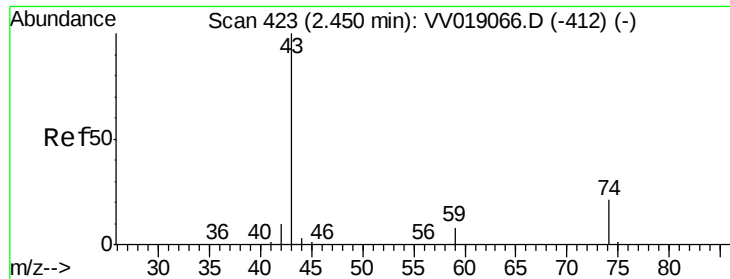
2.25

2.30

2.35

2.40

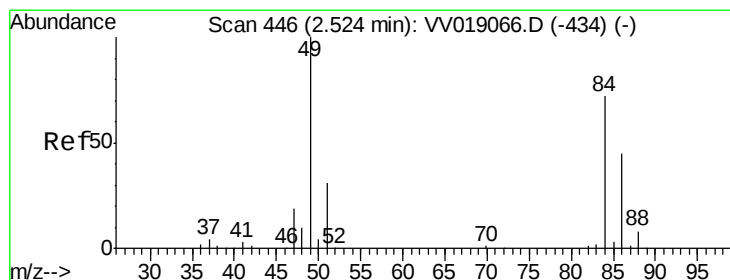
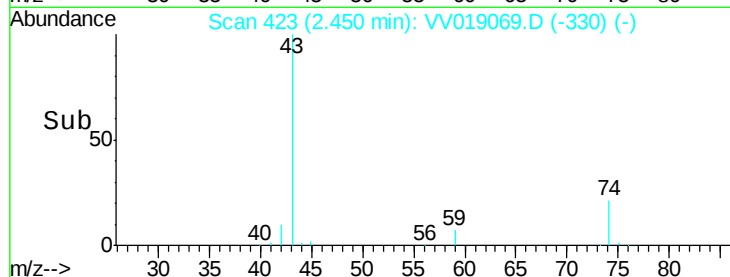
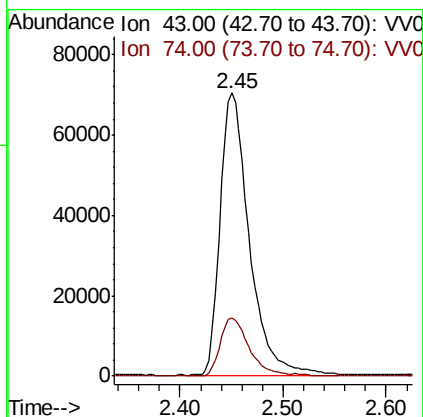
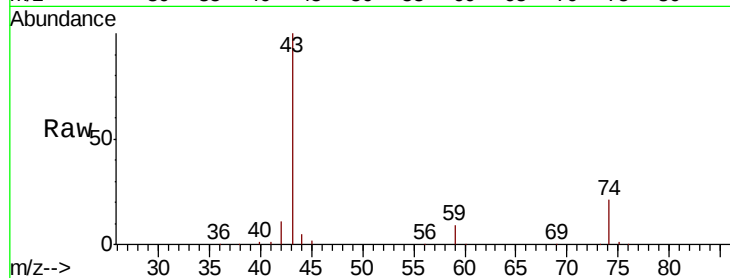




#15
Methvl Acetate
Concen: 51.015 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.00 min
Lab File: VV019069.D
Acq: 22 Oct 2020 14:21

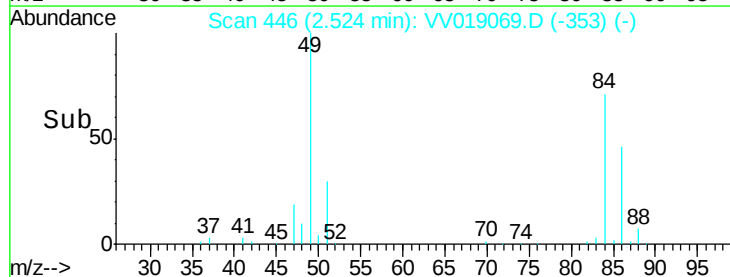
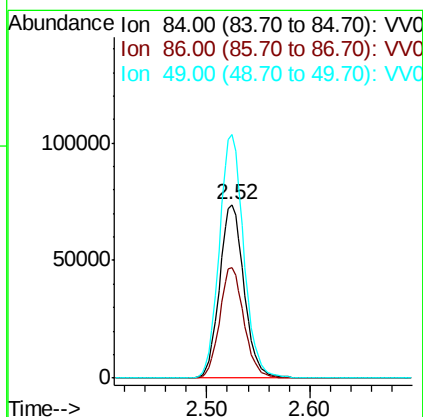
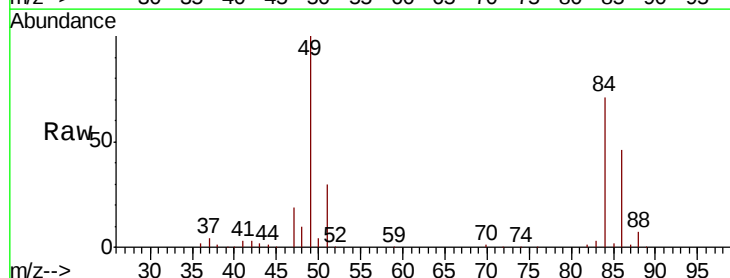
Instrument :
MSVOA_V
ClientSampleId :
BFB20

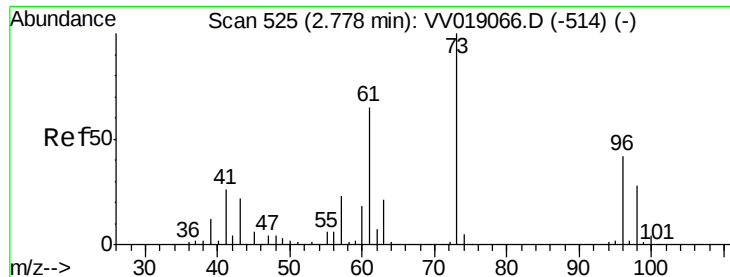
Tot Ion: 43 Resp: 137918
Ion Ratio Lower Upper
43 100
74 20.4 16.4 24.6



#16
Methylene chloride
Concen: 50.587 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV019069.D
Acq: 22 Oct 2020 14:21

Tgt Ion: 84 Resp: 122346
Ion Ratio Lower Upper
84 100
86 64.1 44.2 82.2
49 140.5 98.0 182.0

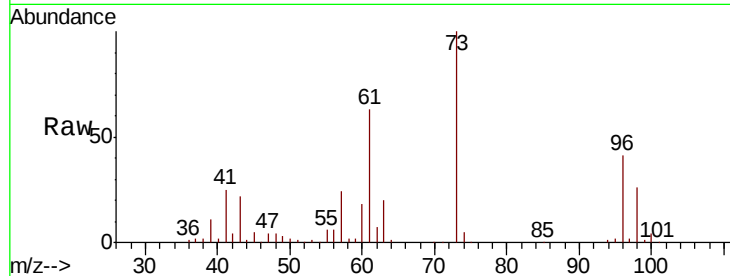




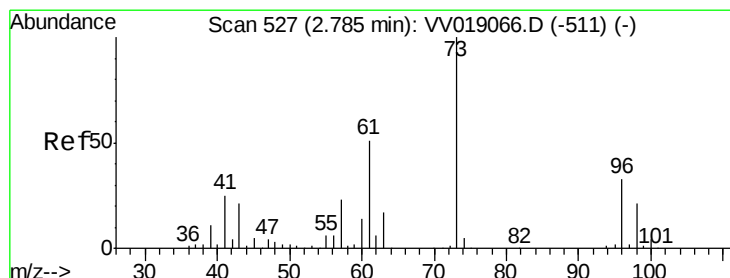
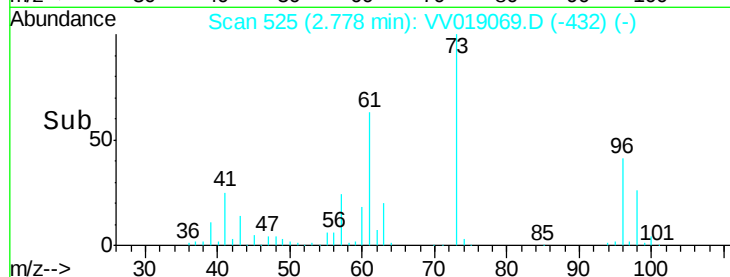
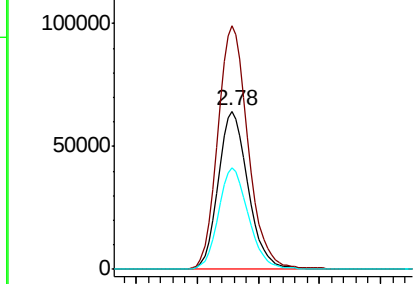
#17
trans-1,2-Dichloroethene
Concen: 50.764 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV019069.D
Acq: 22 Oct 2020 14:21

Instrument :
MSVOA_V
ClientSampled :
BFB20

Tot Ion: 96 Resp: 111314
Ion Ratio Lower Upper
96 100
61 154.1 108.6 201.8
98 64.0 45.7 84.9

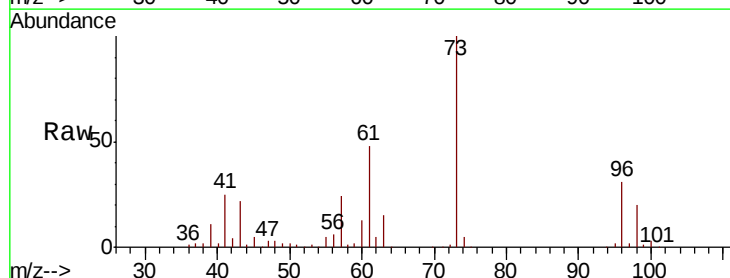


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

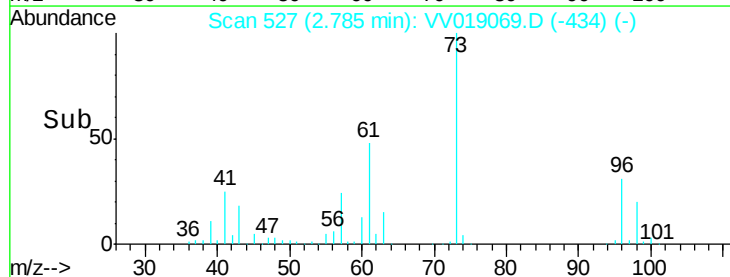
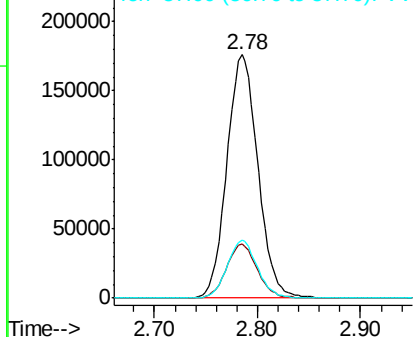


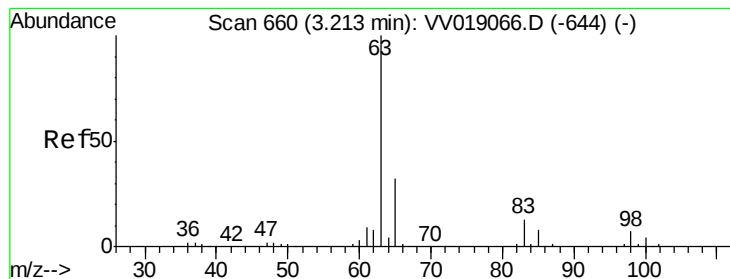
#18
Methyl tert-butyl Ether
Concen: 51.924 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV019069.D
Acq: 22 Oct 2020 14:21

Tgt Ion: 73 Resp: 369215
Ion Ratio Lower Upper
73 100
43 21.8 17.2 25.8
57 23.1 18.5 27.7



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: 50.151 ug/L

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

Instrument :

MSVOA_V

ClientSampled :

BFB20

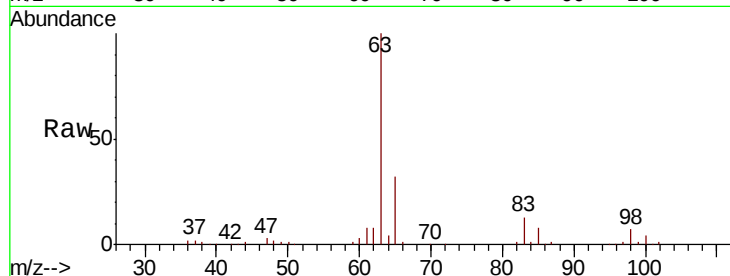
Tot Ion: 63 Resp: 222027

Ion Ratio Lower Upper

63 100

65 32.3 22.7 42.1

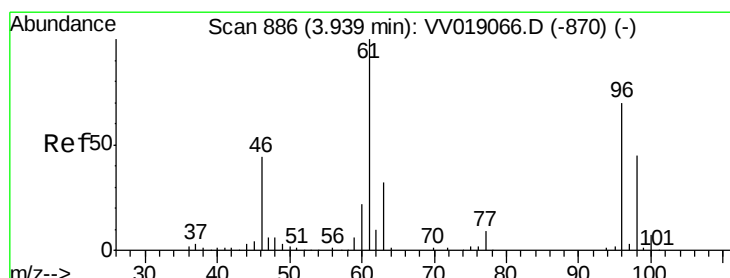
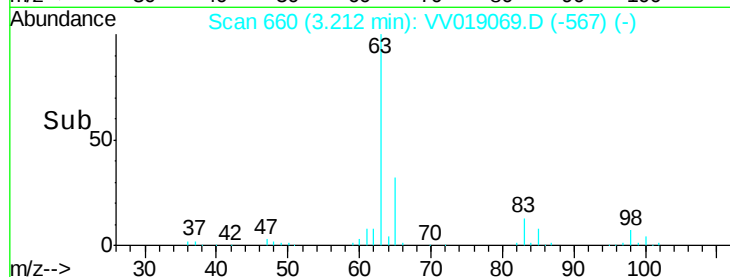
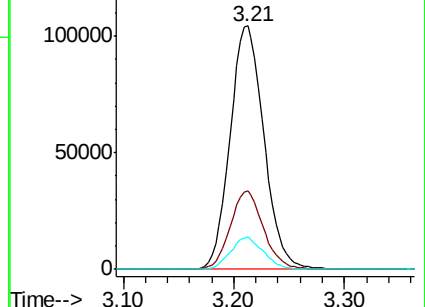
83 13.1 9.0 16.8



Abundance Ion 63.00 (62.70 to 63.70): VV019066.D (-644) (-)

Ion 65.00 (64.70 to 65.70): VV019066.D (-644) (-)

Ion 83.00 (82.70 to 83.70): VV019066.D (-644) (-)



#20

cis-1,2-Dichloroethene

Concen: 51.050 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

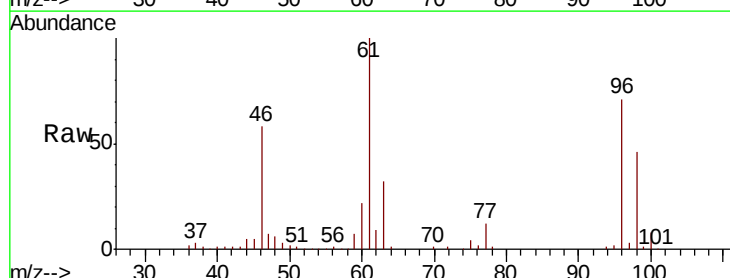
Tgt Ion: 96 Resp: 119699

Ion Ratio Lower Upper

96 100

61 141.6 99.4 184.6

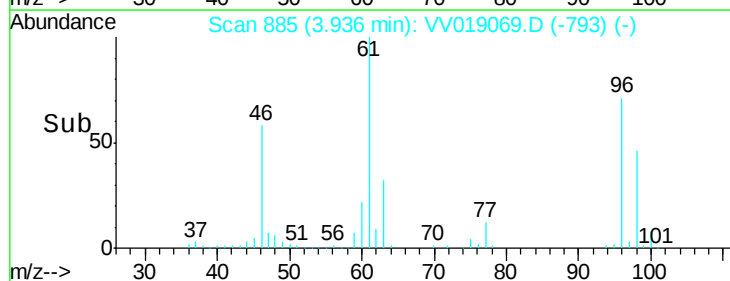
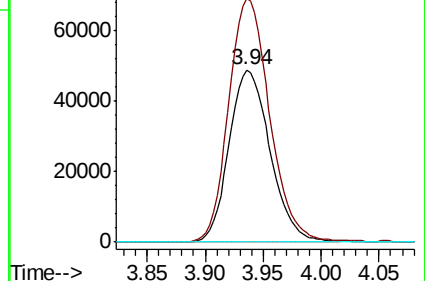
68 0.0 0.0 0.0

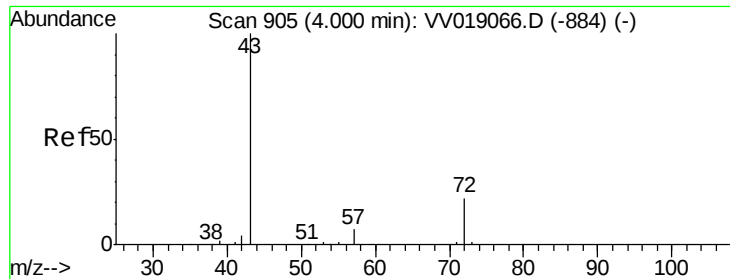


Abundance Ion 96.00 (95.70 to 96.70): VV019066.D (-870) (-)

Ion 61.00 (60.70 to 61.70): VV019066.D (-870) (-)

Ion 68.00 (67.70 to 68.70): VV019066.D (-870) (-)





#22

2-Butanone

Concen: 101.998 ug/L

RT: 4.00 min Scan# 905

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

Instrument :

MSVOA_V

ClientSampled :

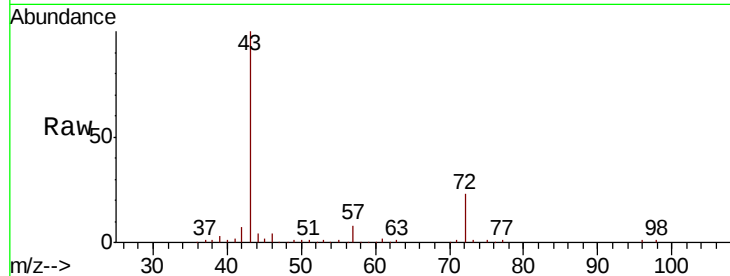
BFB20

Tot Ion: 43 Resp: 179882

Ion Ratio Lower Upper

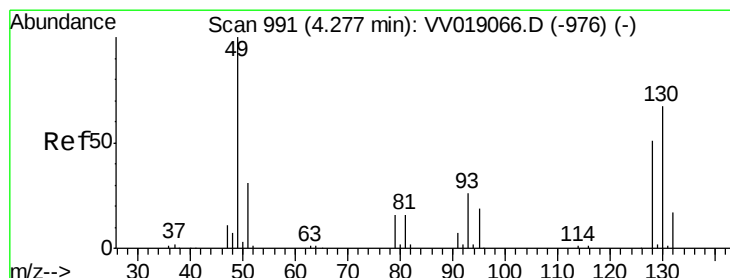
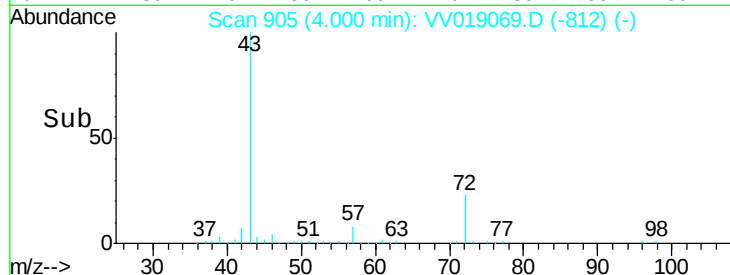
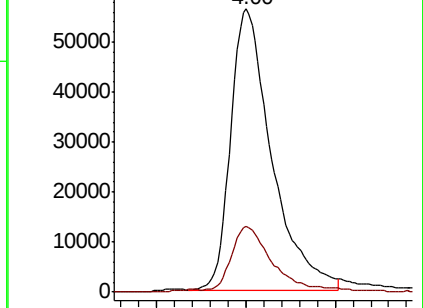
43 100

72 21.6 10.8 32.4



Abundance Ion 43.00 (42.70 to 43.70): VV019069.D (-898) (-)

Ion 72.00 (71.70 to 72.70): VV019069.D (-898) (-)



#23

Bromochloromethane

Concen: 51.448 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

Tgt Ion:128 Resp: 61408

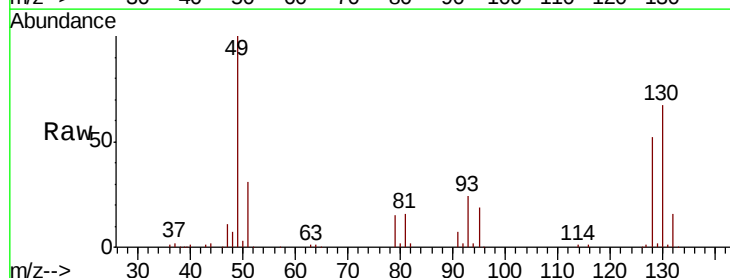
Ion Ratio Lower Upper

128 100

49 191.7 137.1 254.5

130 128.8 92.0 170.9

51 58.8 49.0 73.4

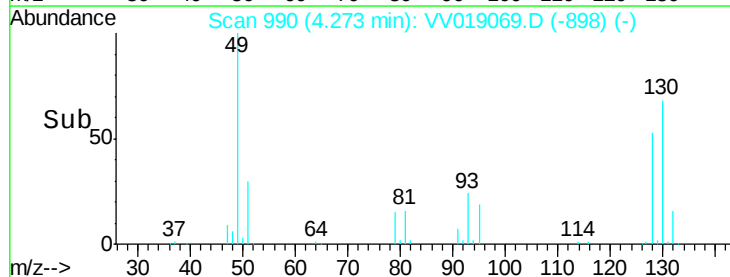
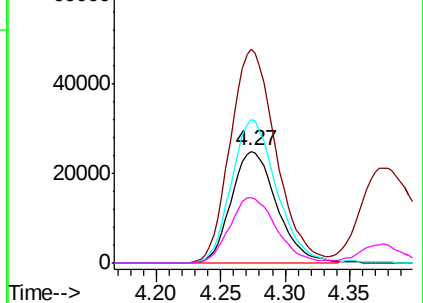


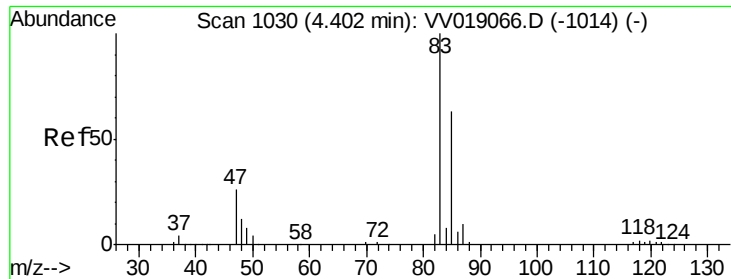
Abundance Ion 128.00 (127.70 to 128.70): VV019069.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV019069.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV019069.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV019069.D (-898) (-)

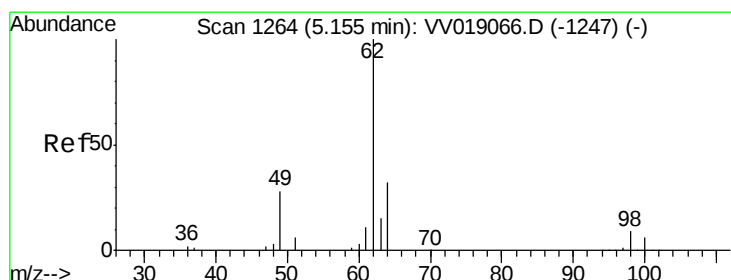
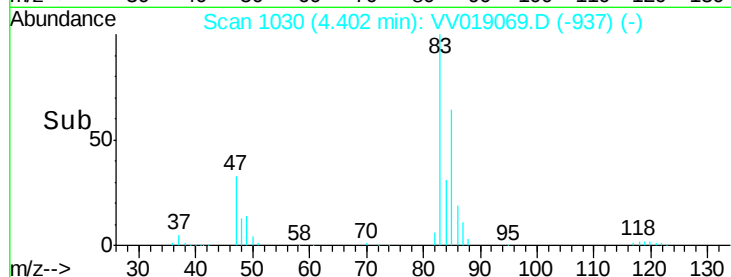
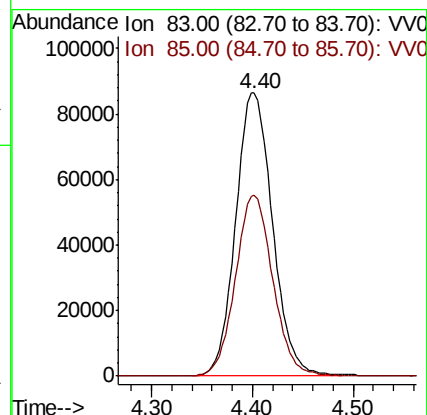
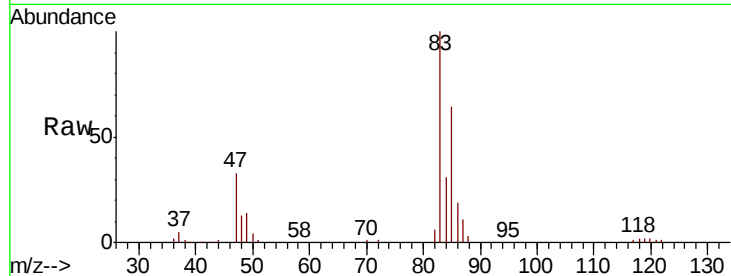




#25
Chloroform
Concen: 50.380 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV019069.D
Acq: 22 Oct 2020 14:21

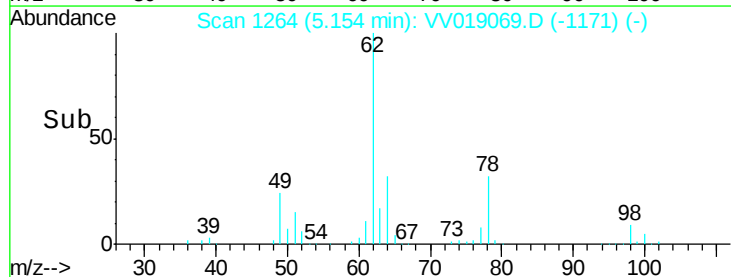
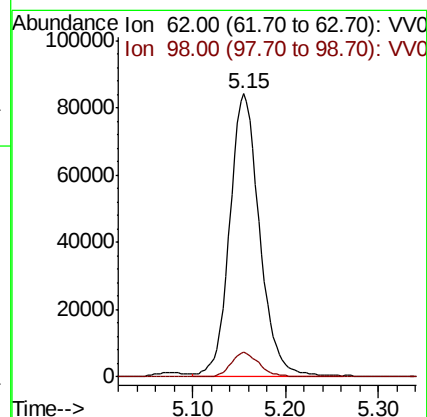
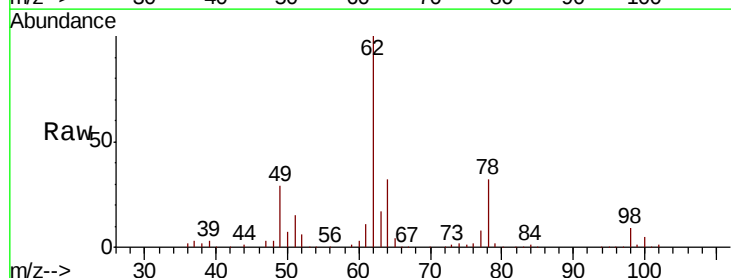
Instrument :
MSVOA_V
ClientSampleId :
BFB20

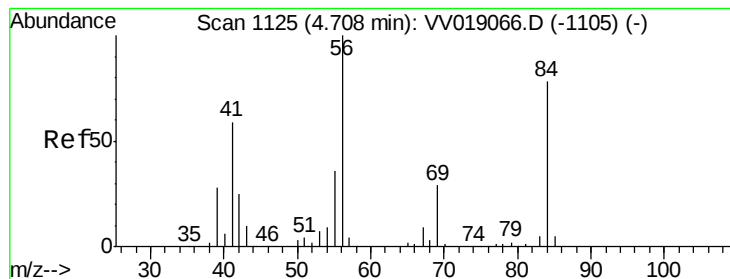
Tot Ion: 83 Resp: 219719
Ion Ratio Lower Upper
83 100
85 63.8 44.5 82.7



#27
1,2-Dichloroethane
Concen: 51.800 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV019069.D
Acq: 22 Oct 2020 14:21

Tgt Ion: 62 Resp: 187488
Ion Ratio Lower Upper
62 100
98 8.7 6.9 10.3





#29

Cyclohexane

Concen: 54.144 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

BFB20

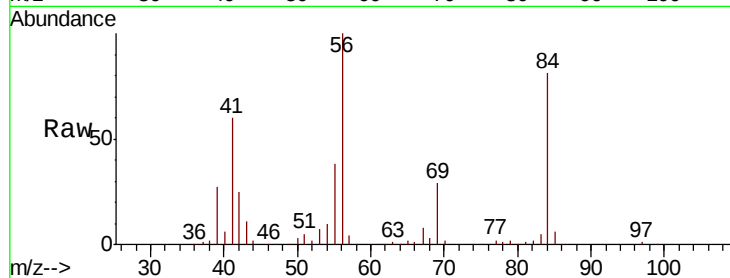
Tot Ion: 56 Resp: 194174

Ion Ratio Lower Upper

56 100

69 29.0 22.7 34.1

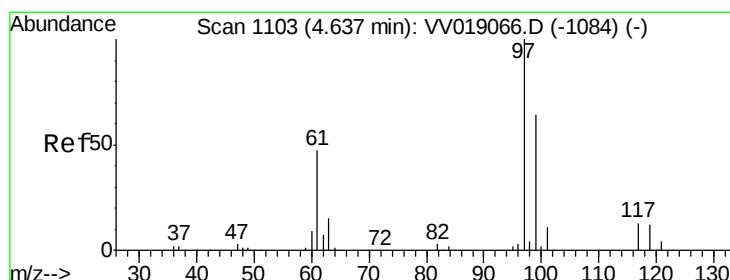
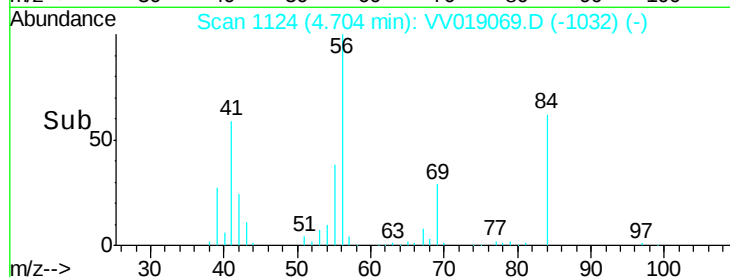
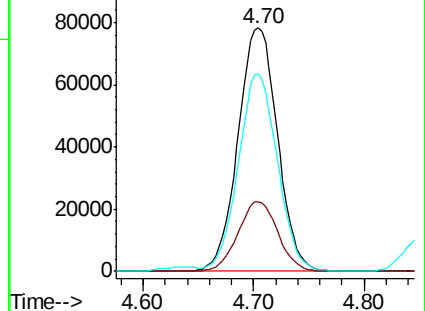
84 80.8 63.5 95.3



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: 51.722 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

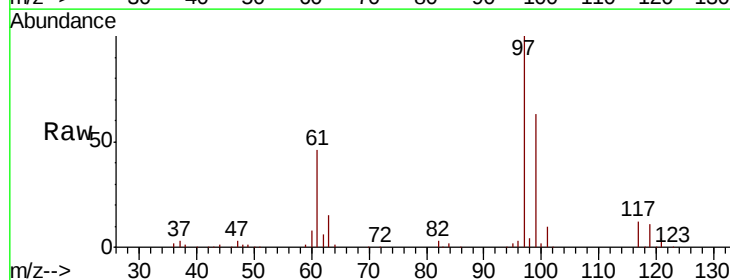
Tgt Ion: 97 Resp: 192943

Ion Ratio Lower Upper

97 100

99 63.9 50.5 75.7

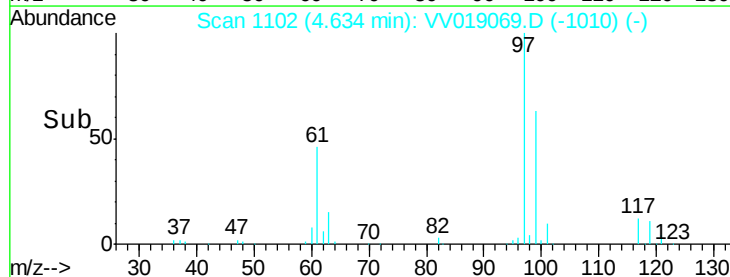
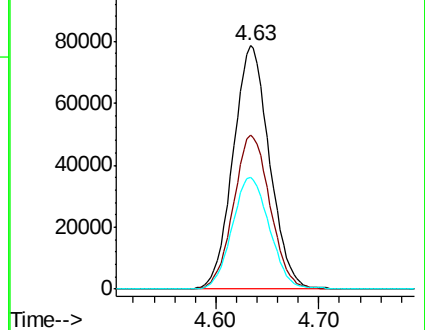
61 47.3 38.1 57.1

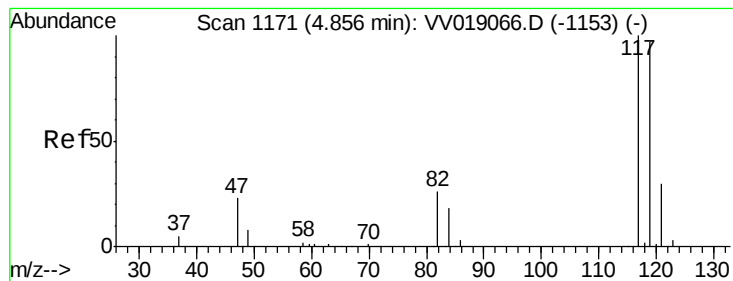


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 50.629 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

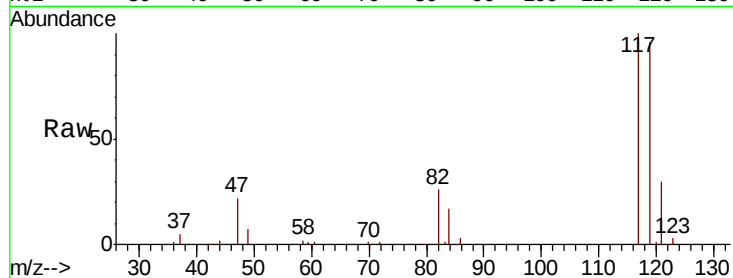
BFB20

Tot Ion:117 Resp: 164646

Ion Ratio Lower Upper

117 100

119 95.9 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.85

80000

60000

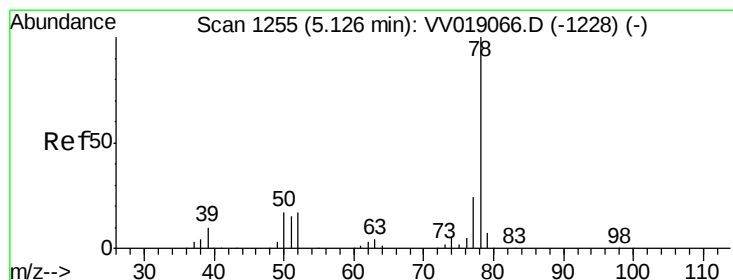
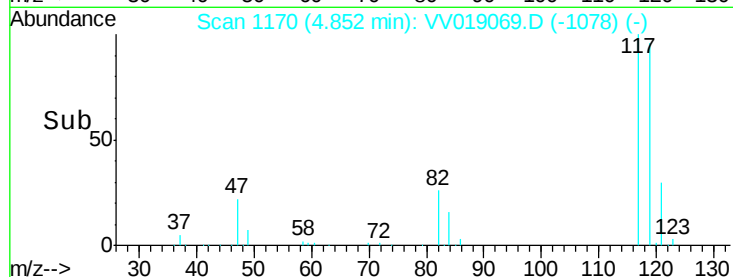
40000

20000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 51.404 ug/L

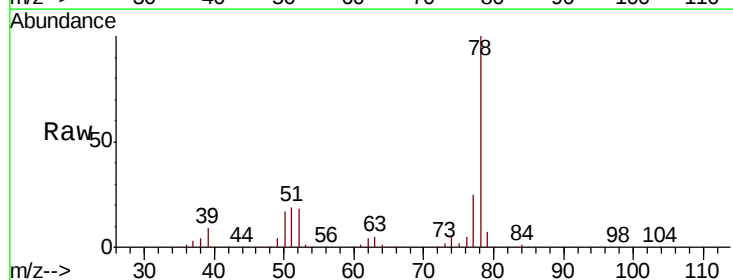
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

Tgt Ion: 78 Resp: 471479



Abundance Ion 78.00 (77.70 to 78.70): VV0

250000

200000

150000

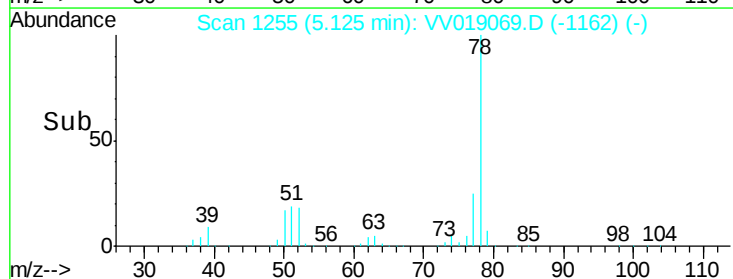
100000

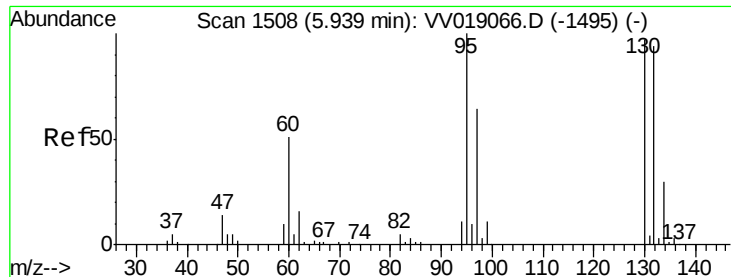
50000

0

Time-->

5.00 5.10 5.20





#34

Trichloroethene

Concen: 50.657 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

BFB20

Tot Ion: 95 Resp: 117411

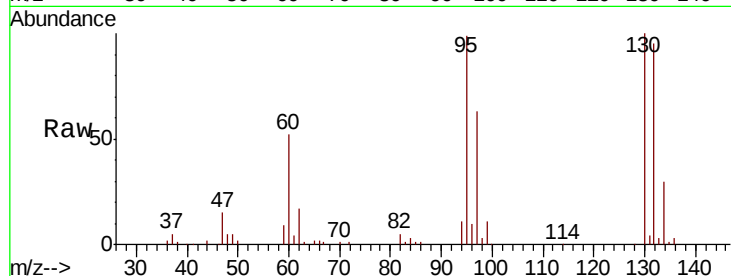
Ion Ratio Lower Upper

95 100

97 63.7 44.6 82.8

132 96.0 66.0 122.6

130 101.5 67.6 125.6

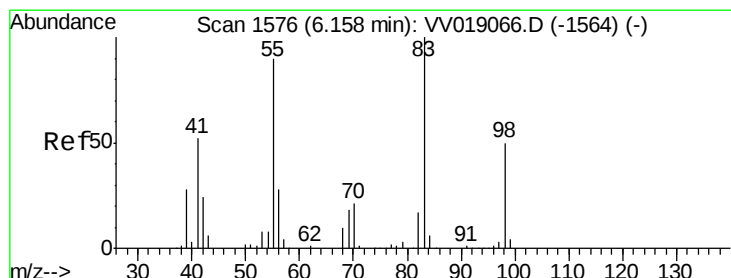
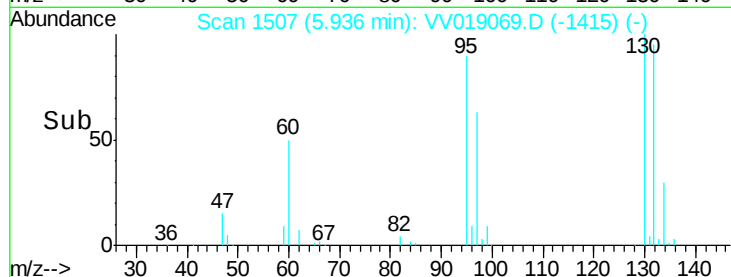
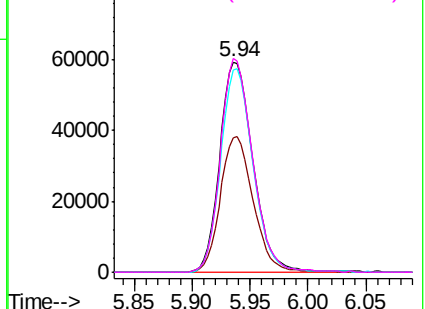


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 53.853 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

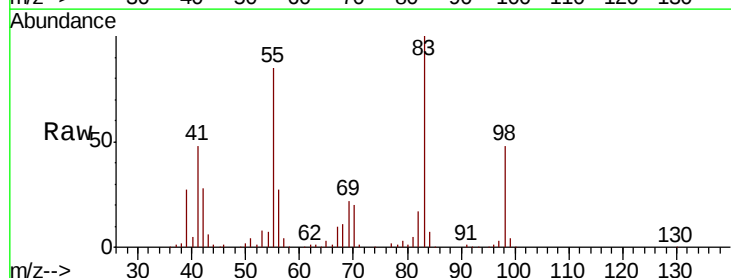
Tgt Ion: 83 Resp: 170776

Ion Ratio Lower Upper

83 100

55 84.7 68.1 102.1

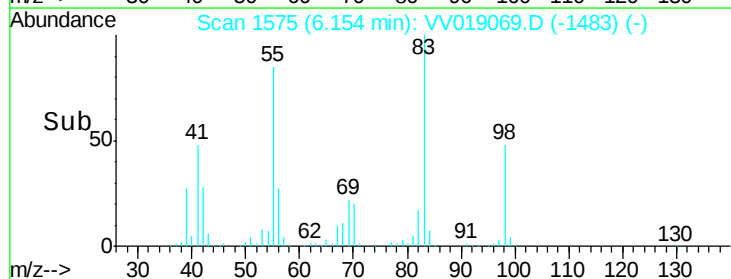
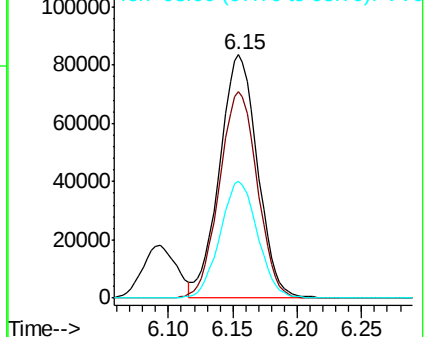
98 47.6 37.9 56.9

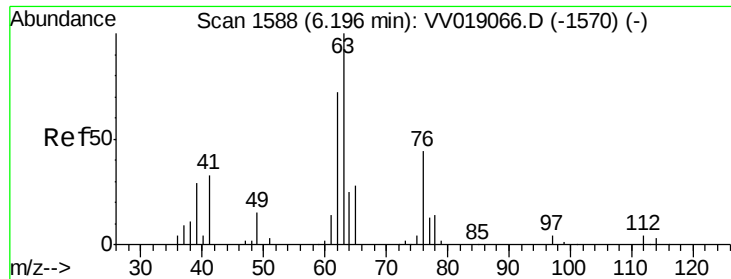


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

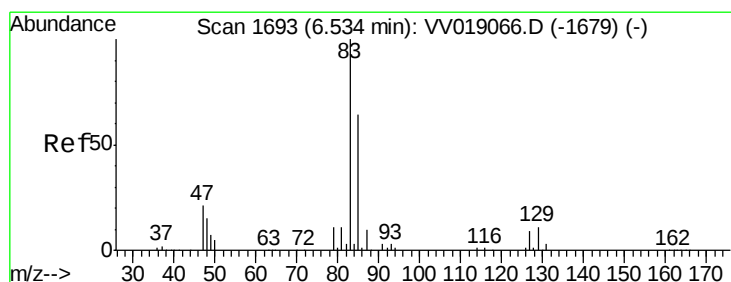
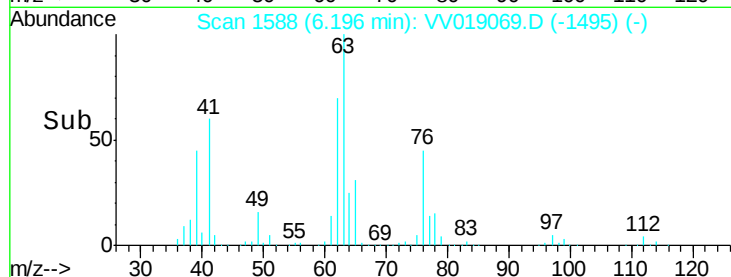
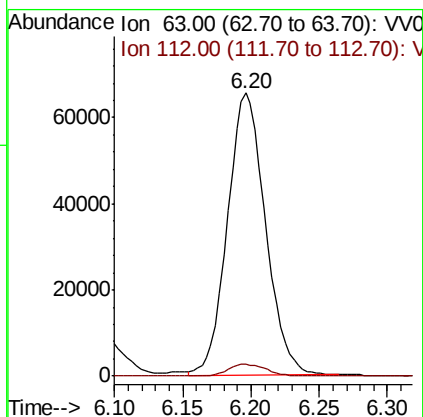
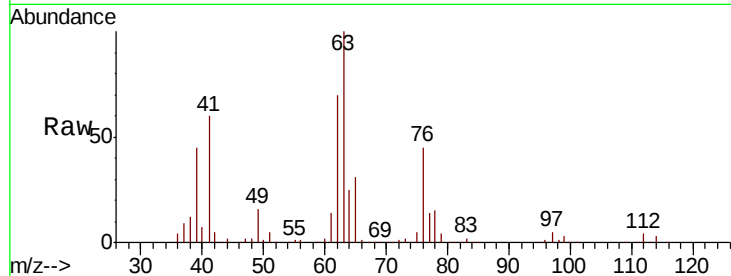




#37
 1,2-Dichloropropane
 Concen: 50.116 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV019069.D
 Acq: 22 Oct 2020 14:21

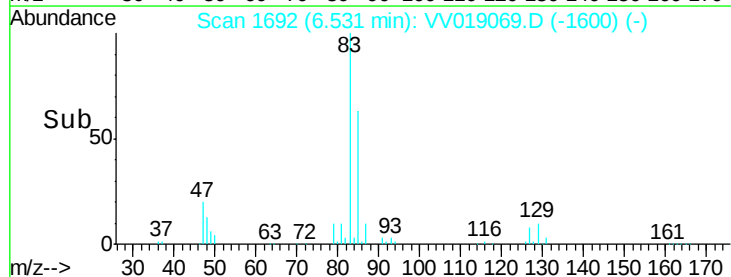
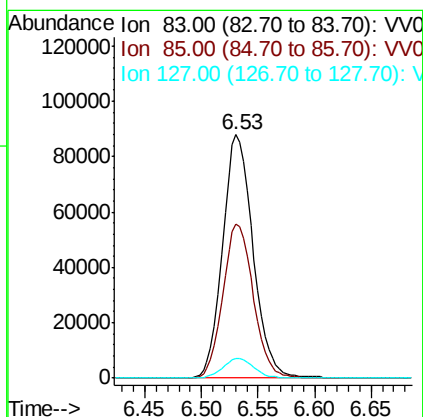
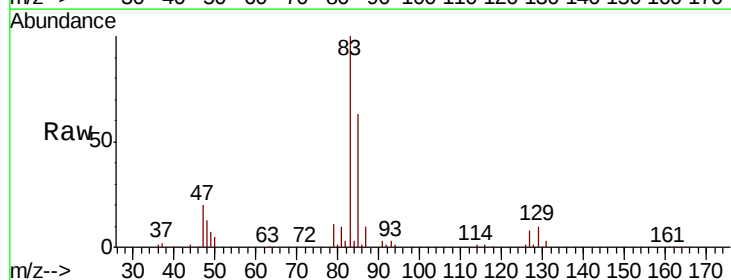
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB20

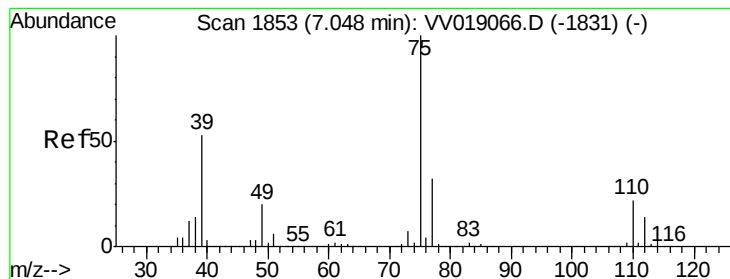
Tot Ion: 63 Resp: 126547
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#38
 Bromodichloromethane
 Concen: 51.649 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV019069.D
 Acq: 22 Oct 2020 14:21

Tgt Ion: 83 Resp: 165017
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.9 83.3
 127 8.1 7.0 10.4



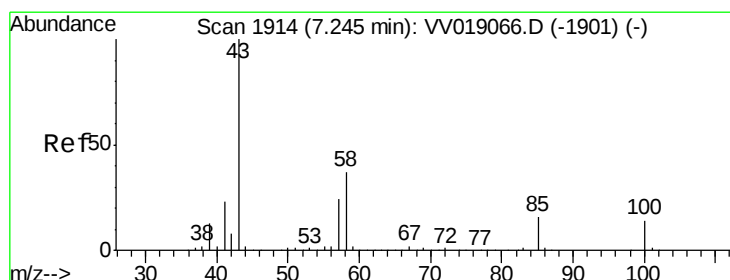
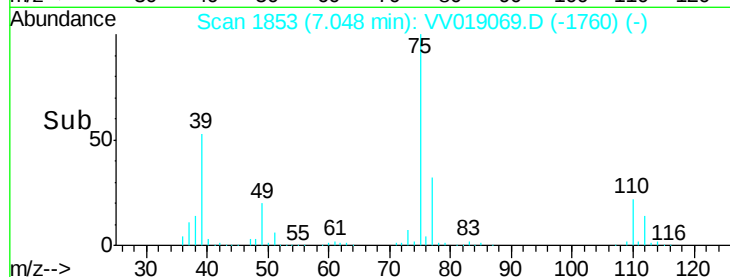
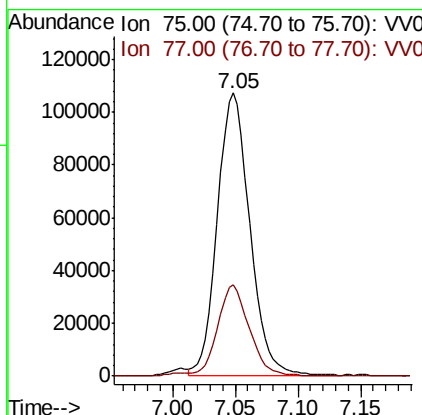
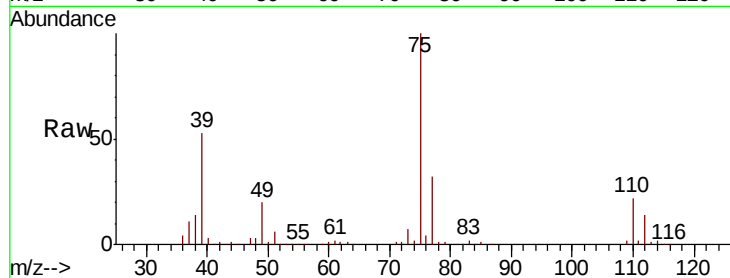


#39

cis-1,3-Dichloropropene
Concen: 51.618 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV019069.D
Acq: 22 Oct 2020 14:21

Instrument :
MSVOA_V
ClientSampleId :
BFB20

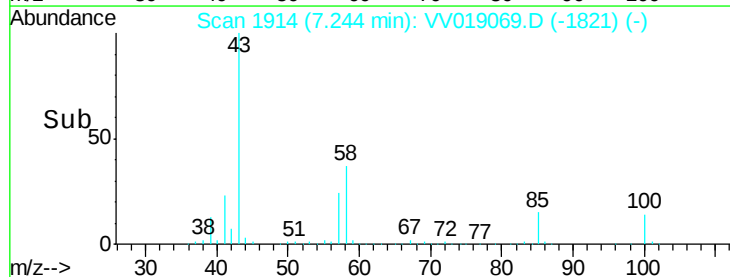
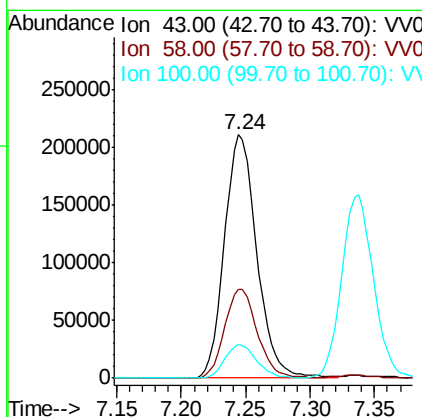
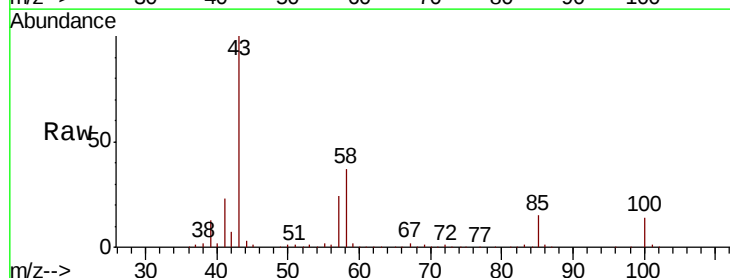
Tot Ion: 75 Resp: 192627
Ion Ratio Lower Upper
75 100
77 32.4 22.1 41.1

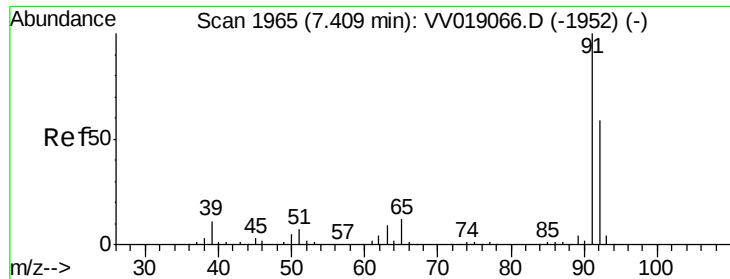


#40

4-Methyl-2-pentanone
Concen: 108.109 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV019069.D
Acq: 22 Oct 2020 14:21

Tgt Ion: 43 Resp: 368286
Ion Ratio Lower Upper
43 100
58 36.7 29.6 44.4
100 13.6 10.9 16.3





#42

Toluene

Concen: 52.135 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

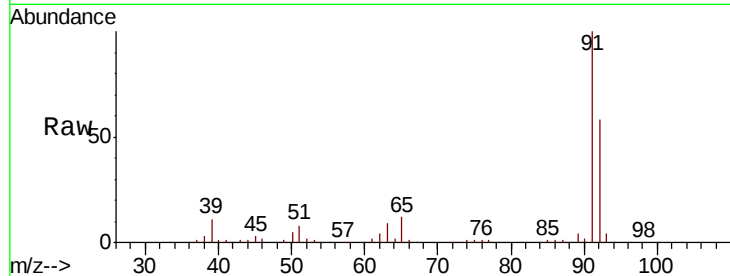
BFB20

Tot Ion: 91 Resp: 490826

Ion Ratio Lower Upper

91 100

92 57.7 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VV019066.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV019066.D (-1952) (-)

7.41

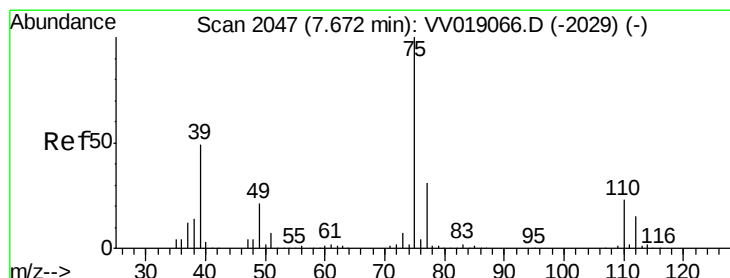
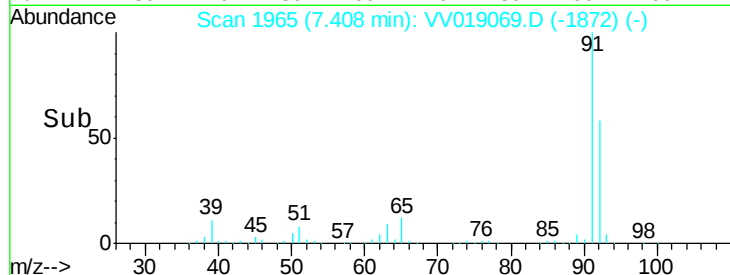
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.618 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV019069.D

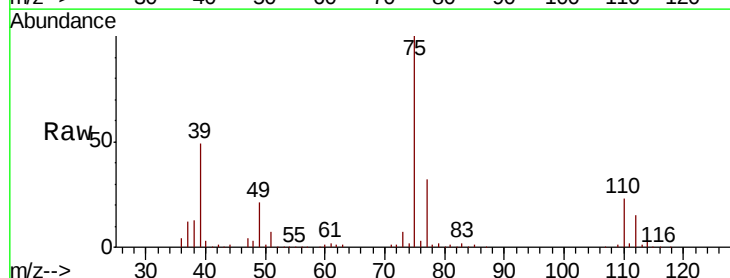
Acq: 22 Oct 2020 14:21

Tgt Ion: 75 Resp: 194802

Ion Ratio Lower Upper

75 100

77 31.6 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VV019066.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV019066.D (-2029) (-)

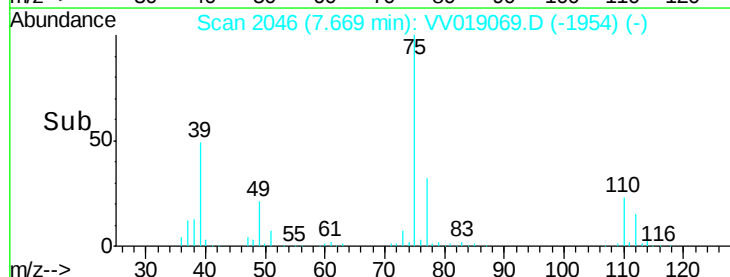
7.67

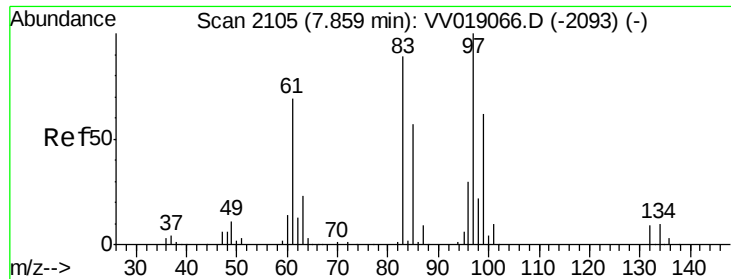
100000

50000

0

Time-->

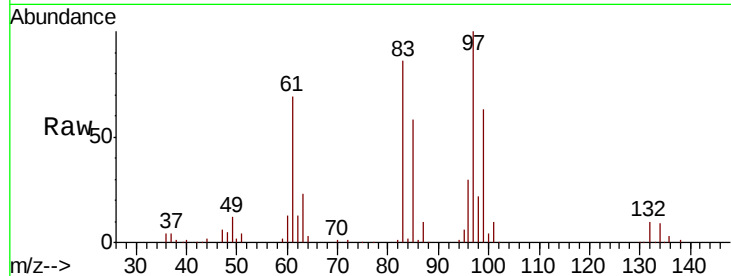




#45
1,1,2-Trichloroethane
Concen: 51.403 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VV019069.D
Acq: 22 Oct 2020 14:21

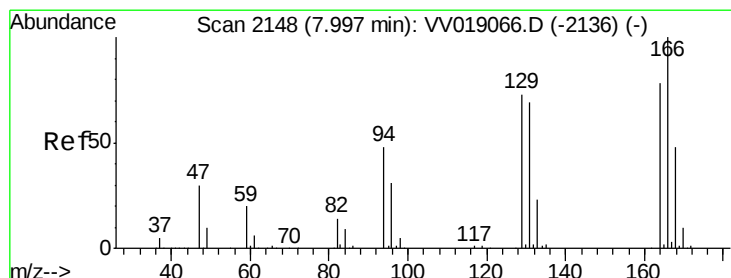
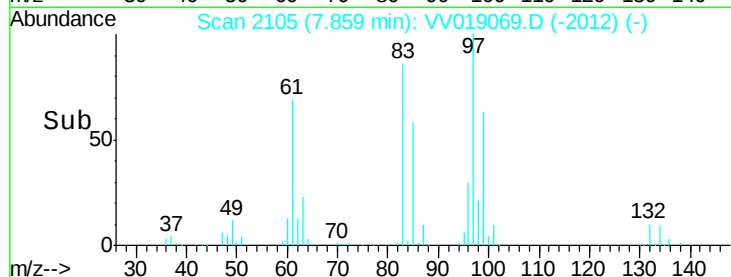
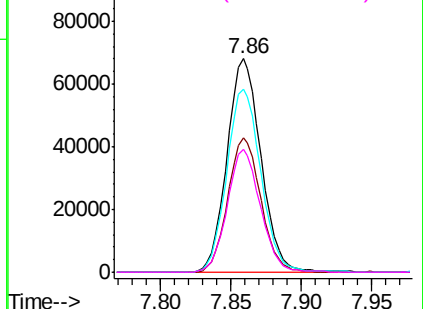
Instrument :
MSVOA_V
ClientSampled :
BFB20

Tot Ion:	97	Resp:	114637
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.5	80.9
83	86.0	62.2	115.4
85	57.5	39.9	74.1



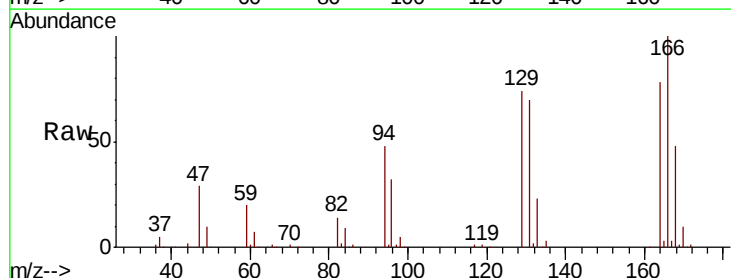
Abundance

Ion 97.00 (96.70 to 97.70): VV019069.D (-2093) (-)



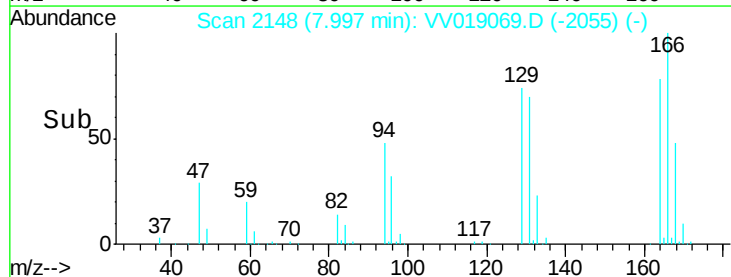
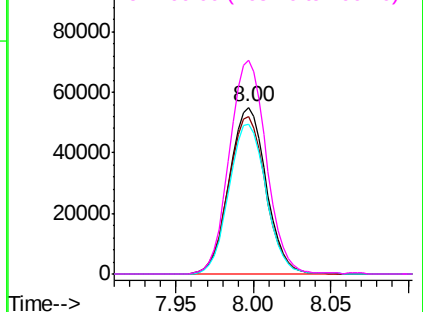
#46
Tetrachloroethene
Concen: 51.285 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV019069.D
Acq: 22 Oct 2020 14:21

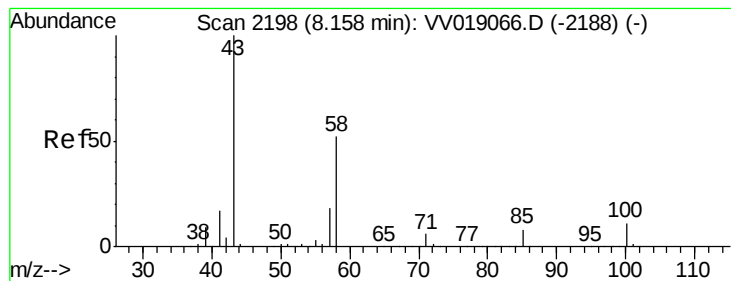
Tgt Ion:	164	Resp:	91217
Ion	Ratio	Lower	Upper
164	100		
129	94.5	65.5	121.6
131	90.0	62.4	115.8
166	128.2	90.0	167.2



Abundance

Ion 164.00 (163.70 to 164.70): VV019069.D (-2136) (-)





#48

2-Hexanone

Concen: 106.704 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

BFB20

Tot Ion: 43 Resp: 280494

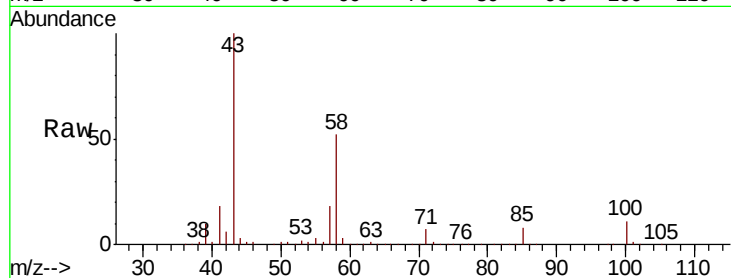
Ion Ratio Lower Upper

43 100

58 52.0 41.1 61.7

57 17.9 14.7 22.1

100 11.3 8.6 12.8

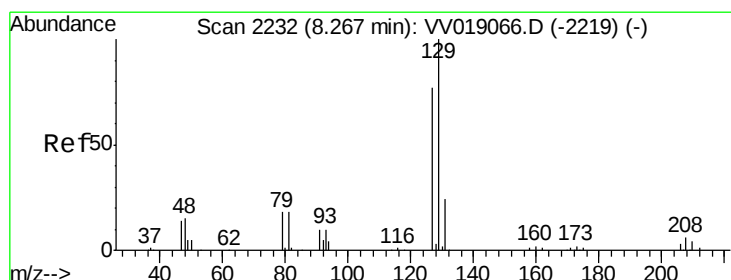
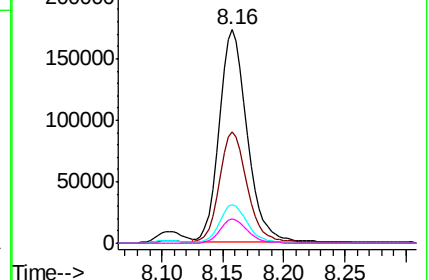
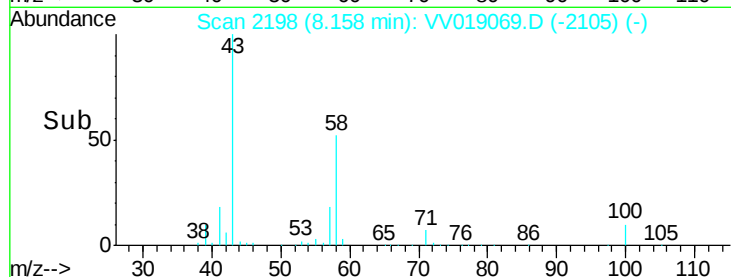


Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 52.032 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV019069.D

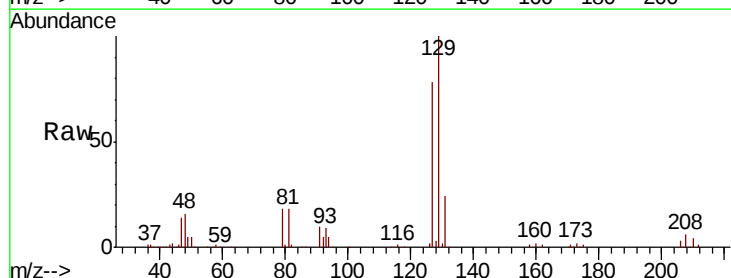
Acq: 22 Oct 2020 14:21

Tgt Ion: 129 Resp: 126836

Ion Ratio Lower Upper

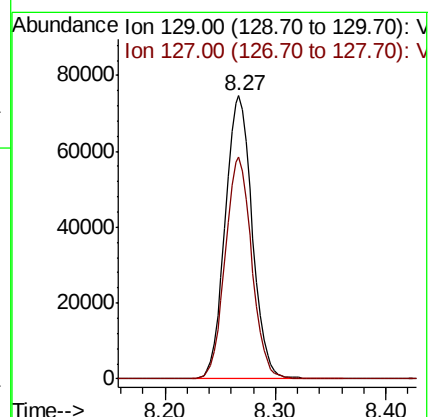
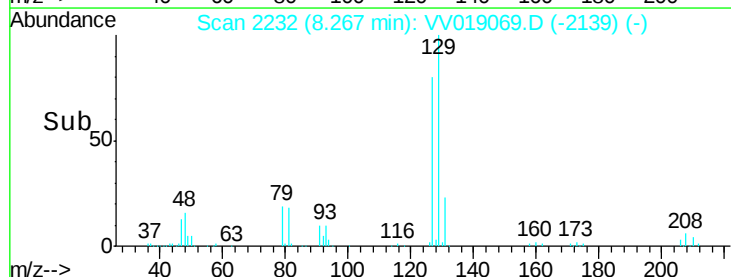
129 100

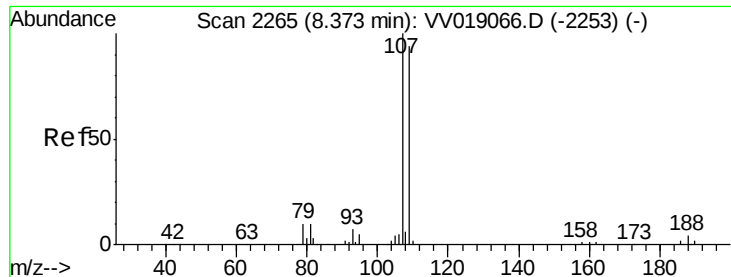
127 78.3 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

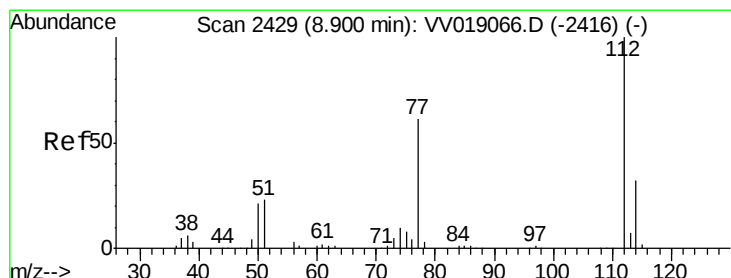
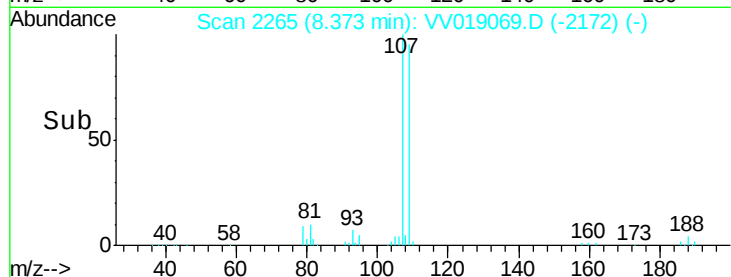
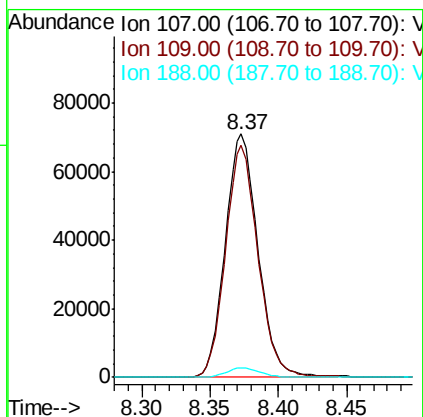
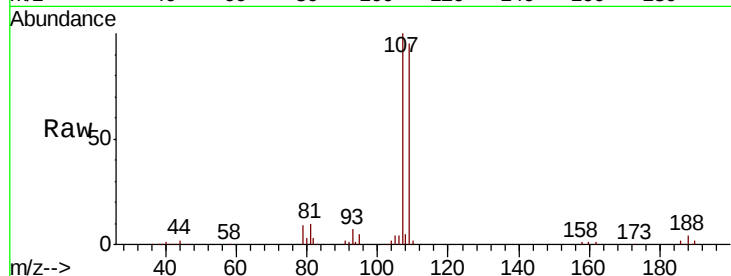




#50
 1,2-Dibromoethane
 Concen: 51.228 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV019069.D
 Acq: 22 Oct 2020 14:21

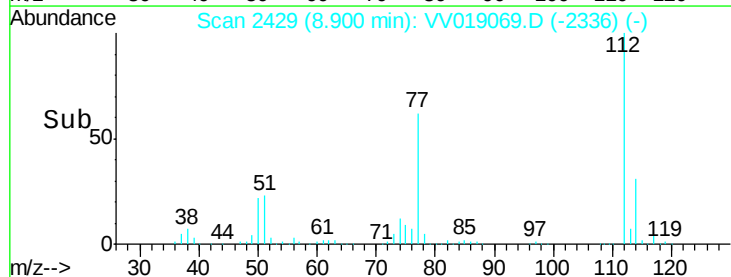
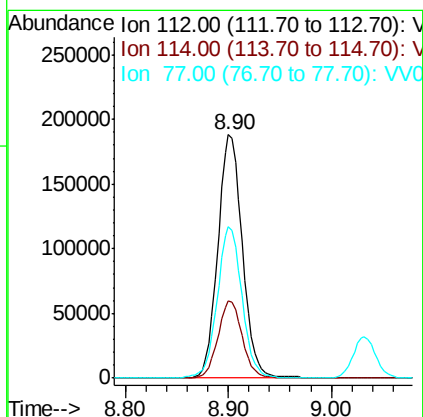
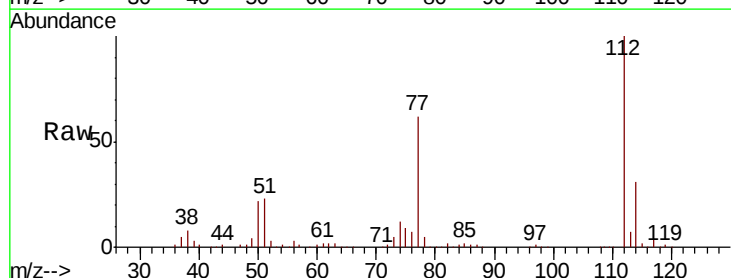
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB20

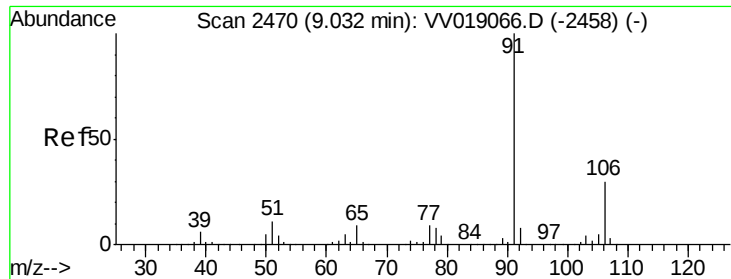
Tot Ion:107 Resp: 118560
 Ion Ratio Lower Upper
 107 100
 109 95.3 66.1 122.7
 188 3.9 3.2 4.8



#51
 Chlorobenzene
 Concen: 51.503 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV019069.D
 Acq: 22 Oct 2020 14:21

Tgt Ion:112 Resp: 310983
 Ion Ratio Lower Upper
 112 100
 114 31.5 22.2 41.2
 77 62.5 49.1 73.7





#52

Ethylbenzene

Concen: 52.768 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

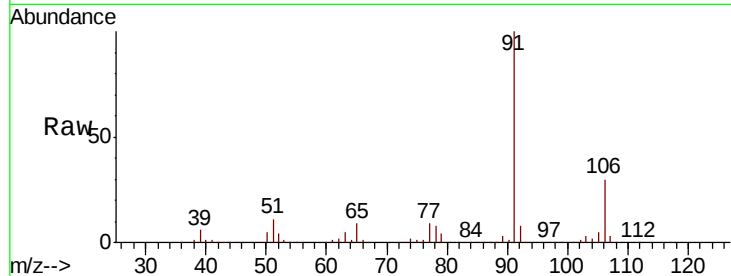
BFB20

Tot Ion: 91 Resp: 537204

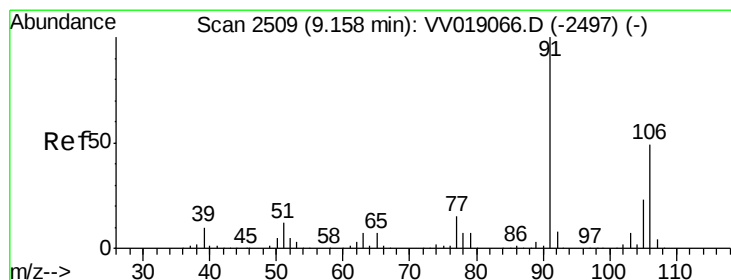
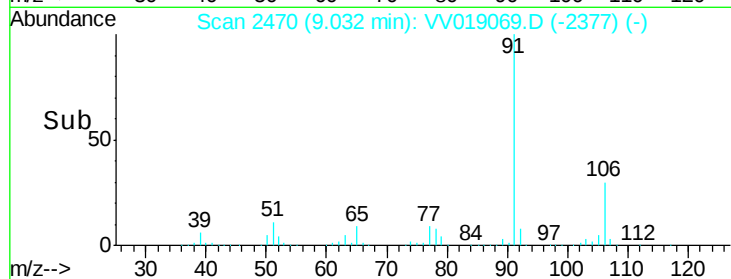
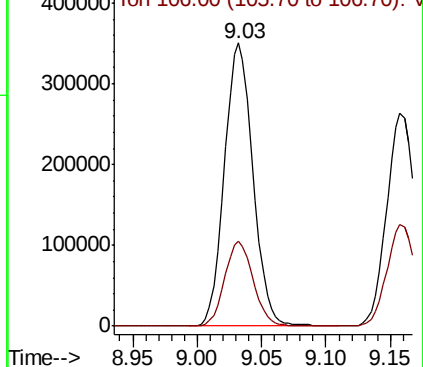
Ion Ratio Lower Upper

91 100

106 30.0 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VV019069.D (-2377) (-)



#53

m,p-Xylene

Concen: 53.676 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV019069.D

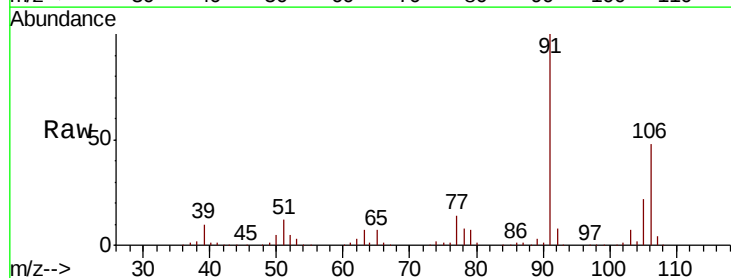
Acq: 22 Oct 2020 14:21

Tgt Ion: 106 Resp: 200043

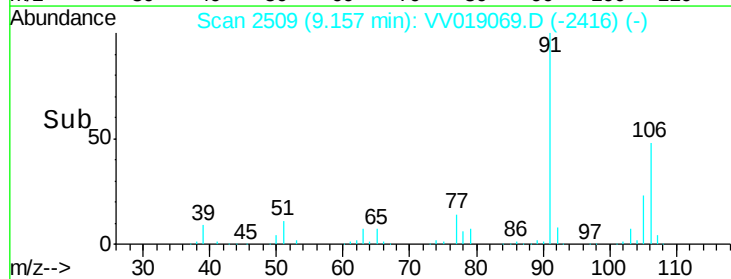
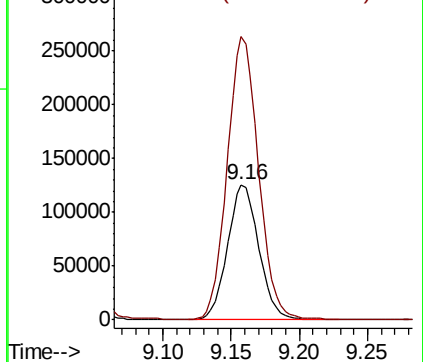
Ion Ratio Lower Upper

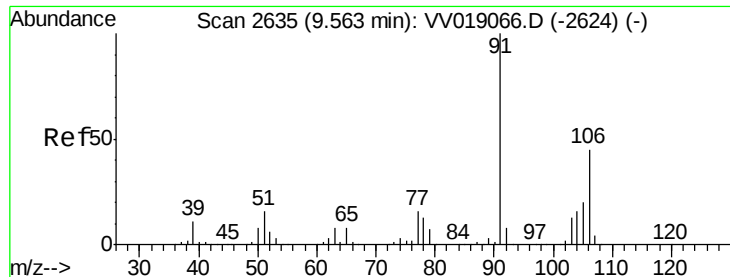
106 100

91 209.1 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): VV019069.D (-2416) (-)





#54

o-xylene

Concen: 53.861 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

Instrument :

MSVOA_V

ClientSampled :

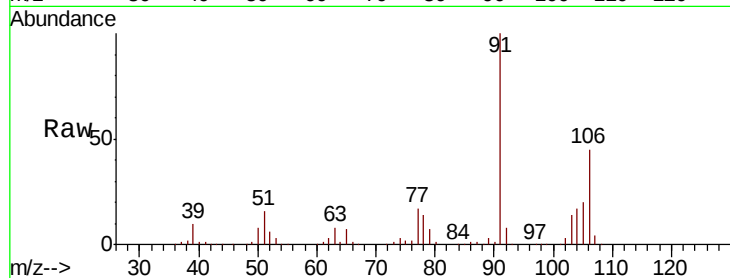
BFB20

Tot Ion:106 Resp: 193270

Ion Ratio Lower Upper

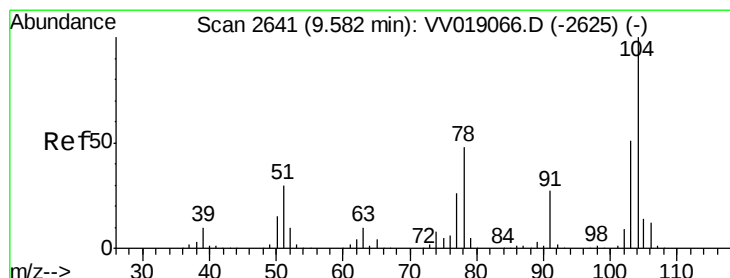
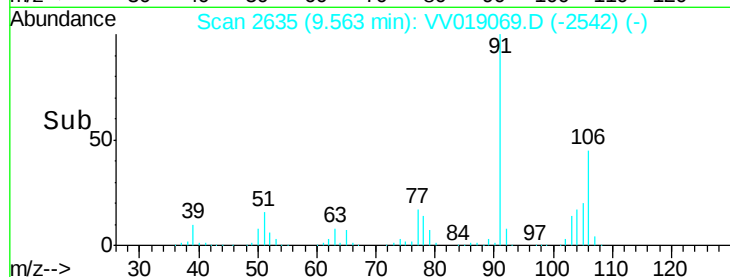
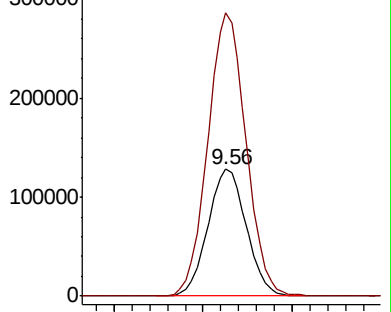
106 100

91 223.2 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 54.720 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV019069.D

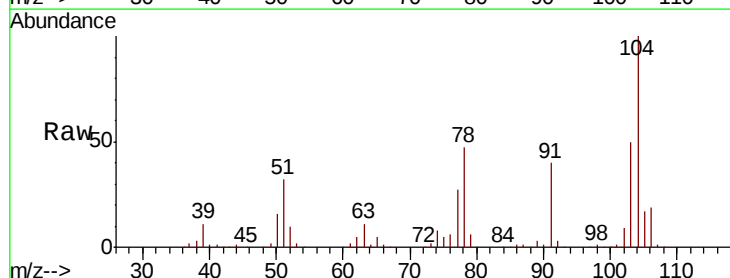
Acq: 22 Oct 2020 14:21

Tgt Ion:104 Resp: 348305

Ion Ratio Lower Upper

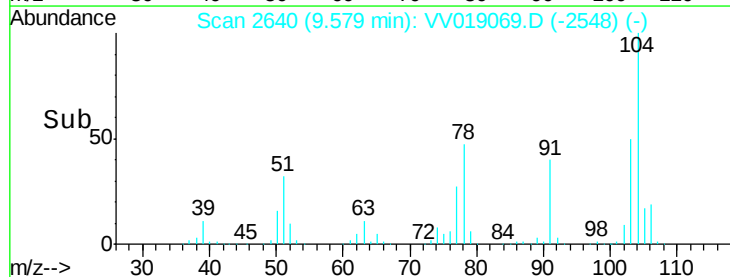
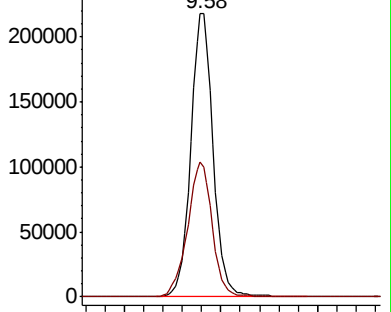
104 100

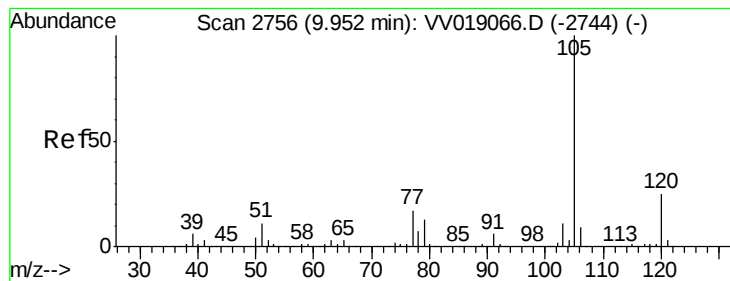
78 47.5 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 54.110 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

Instrument :

MSVOA_V

ClientSampled :

BFB20

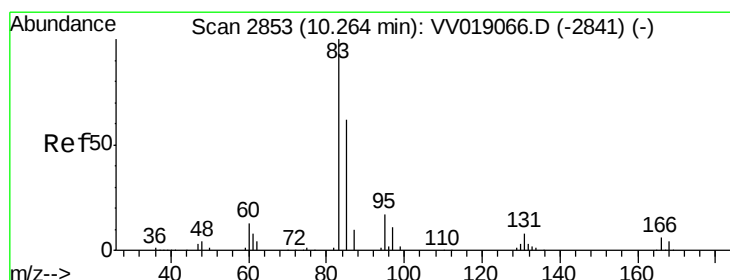
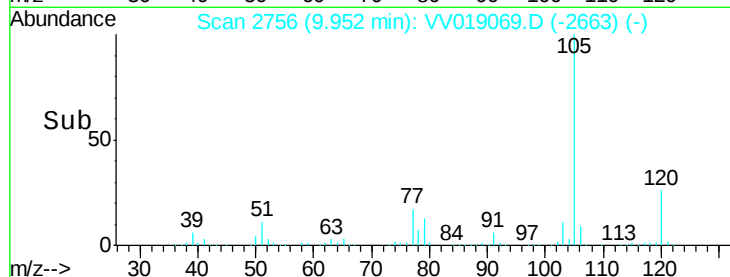
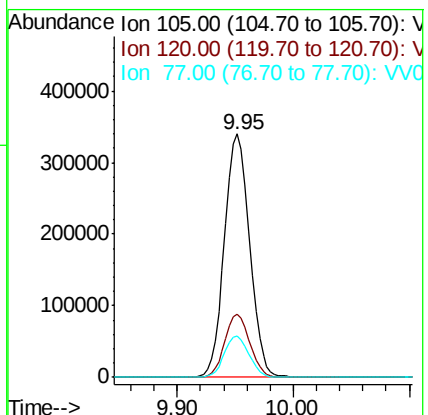
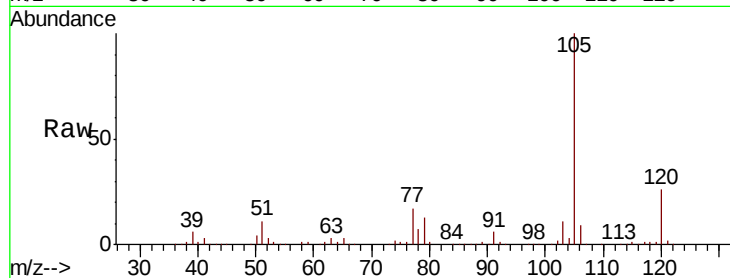
Tot Ion:105 Resp: 510548

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

77 16.7 13.4 20.0



#58

1,1,2,2-Tetrachloroethane

Concen: 50.408 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

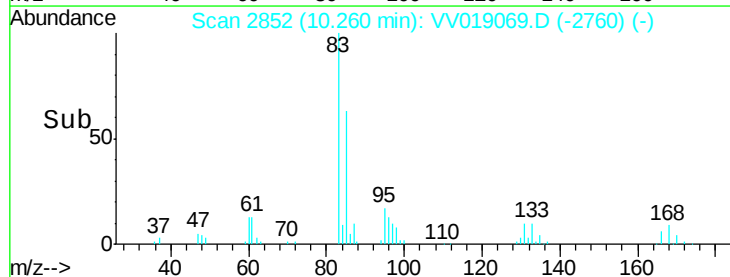
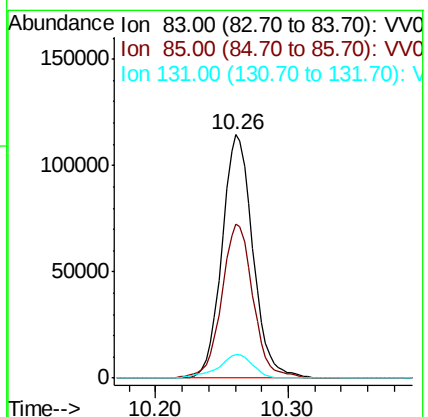
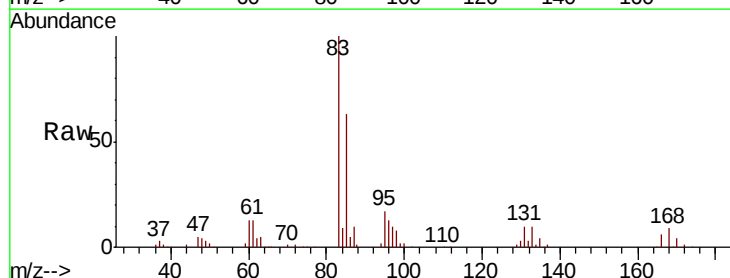
Tgt Ion: 83 Resp: 184981

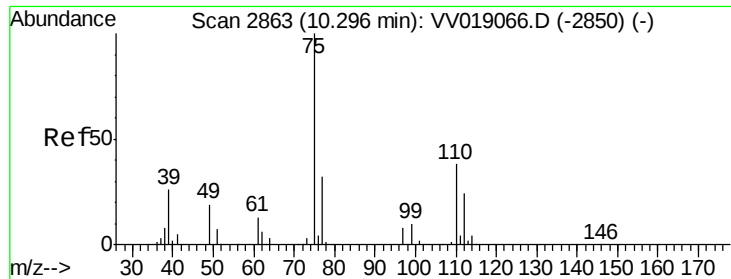
Ion Ratio Lower Upper

83 100

85 63.2 44.2 82.2

131 9.8 7.4 11.2





#59

1,2,3-Trichloropropane

Concen: 51.124 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

Instrument :

MSVOA_V

ClientSampled :

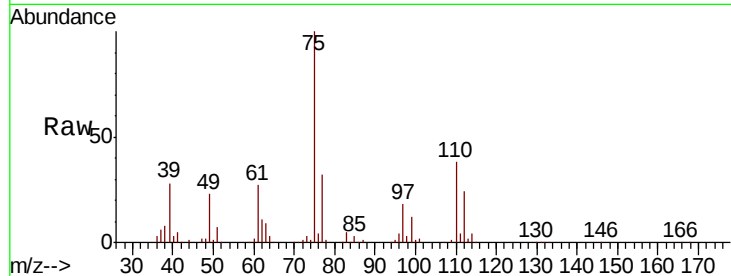
BFB20

Tot Ion: 75 Resp: 150944

Ion Ratio Lower Upper

75 100

77 32.5 25.9 38.9

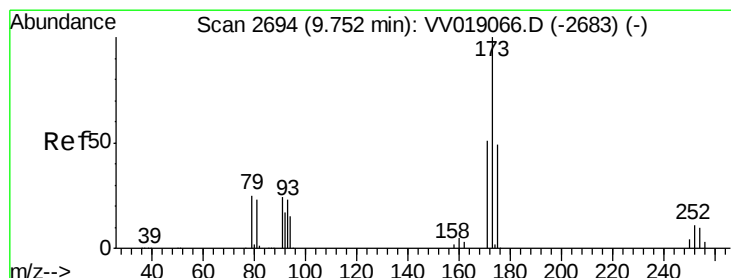
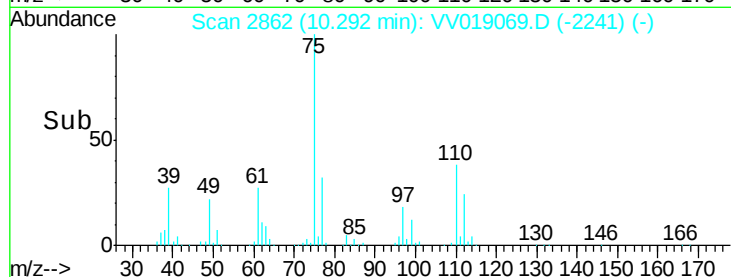


Abundance Ion 75.00 (74.70 to 75.70): VV019066.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV019066.D (-2850) (-)

10.29

Time--> 10.20 10.25 10.30 10.35



#61

Bromoform

Concen: 51.598 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

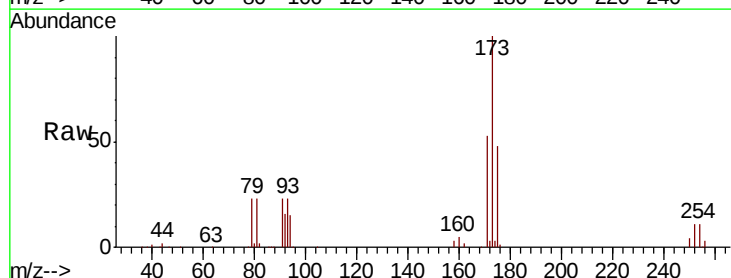
Tgt Ion: 173 Resp: 92387

Ion Ratio Lower Upper

173 100

175 48.4 38.3 57.5

254 10.8 8.3 12.5



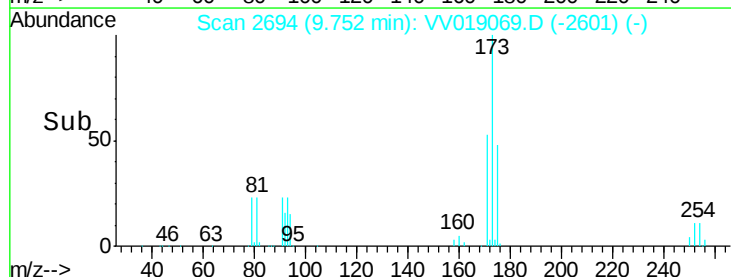
Abundance Ion 173.00 (172.70 to 173.70): VV019066.D (-2683) (-)

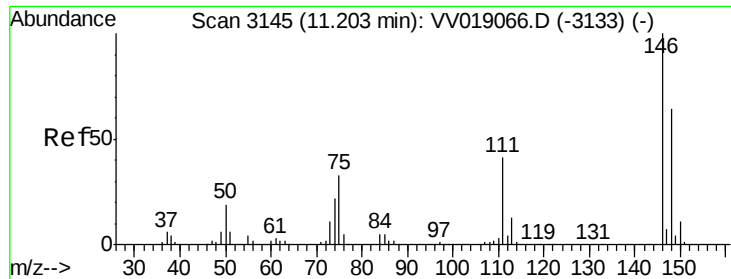
Ion 175.00 (174.70 to 175.70): VV019066.D (-2683) (-)

Ion 254.00 (253.70 to 254.70): VV019066.D (-2683) (-)

9.75

Time--> 9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 51.639 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

Instrument :

MSVOA_V

ClientSampled :

BFB20

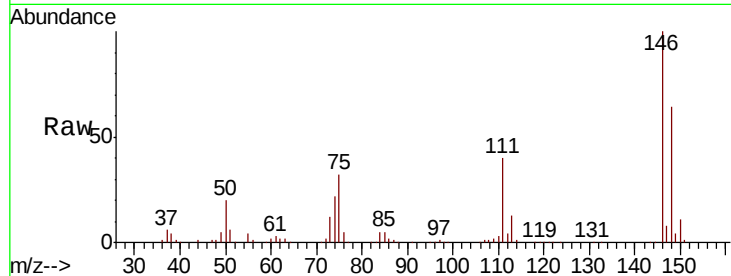
Tot Ion:146 Resp: 246380

Ion Ratio Lower Upper

146 100

111 40.4 28.8 53.4

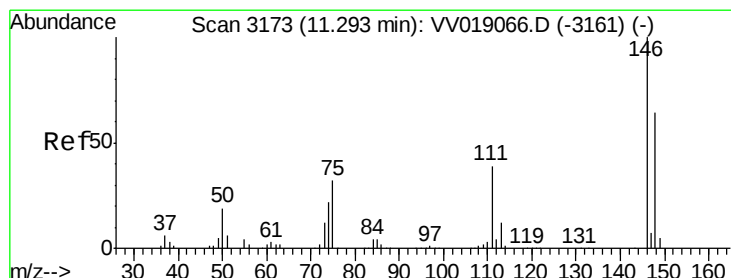
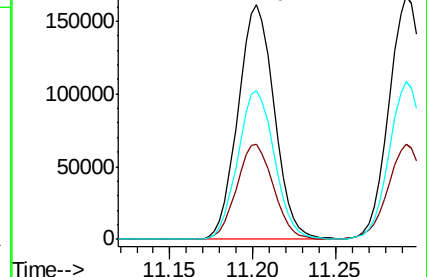
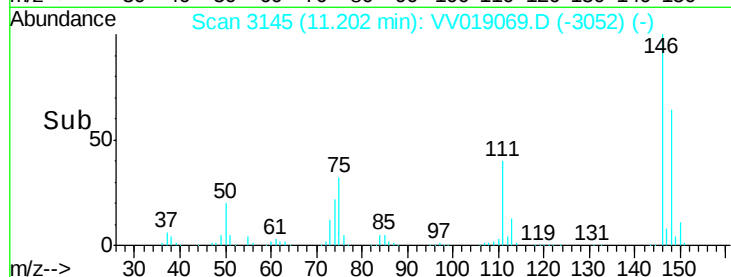
148 63.8 44.5 82.7



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: 50.812 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

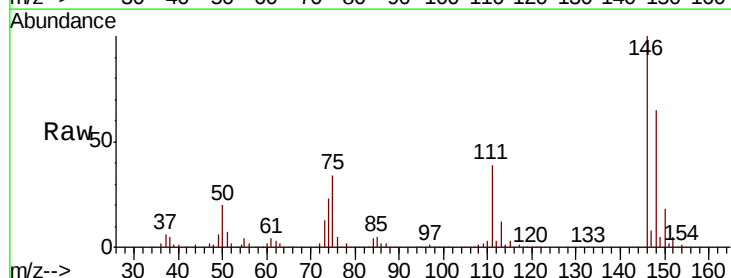
Tgt Ion:146 Resp: 253328

Ion Ratio Lower Upper

146 100

111 39.1 27.8 51.6

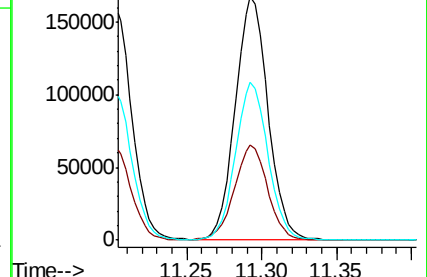
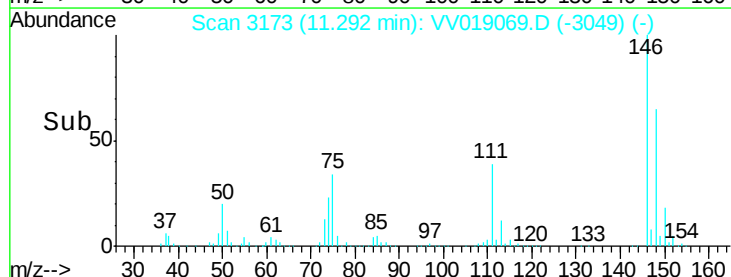
148 64.7 45.1 83.9

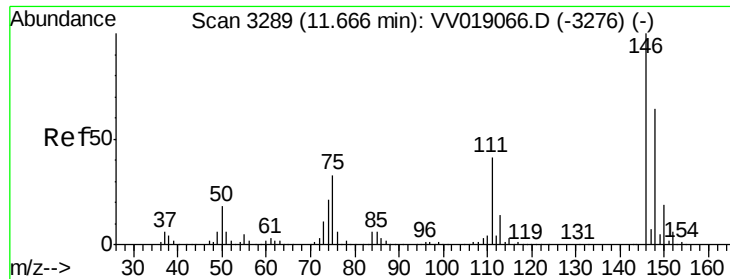


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 51.183 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

BFB20

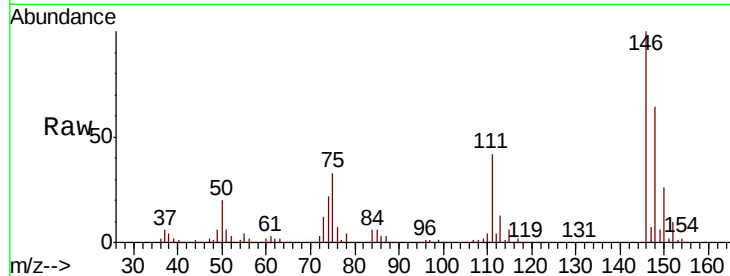
Tot Ion:146 Resp: 246223

Ion Ratio Lower Upper

146 100

111 42.0 33.3 49.9

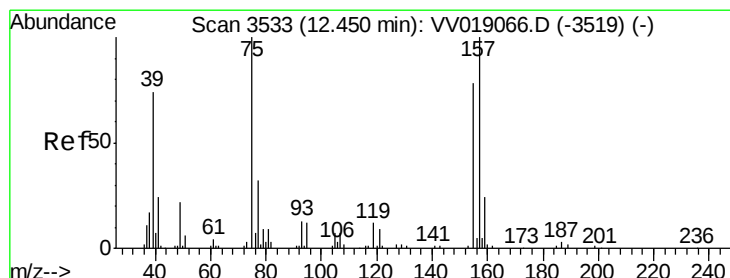
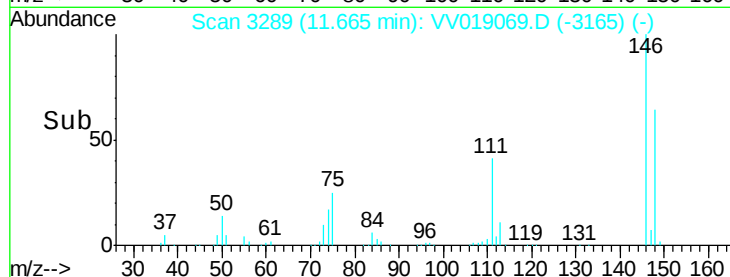
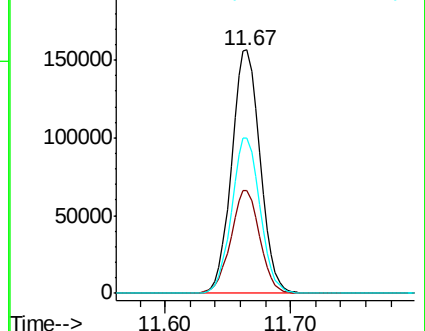
148 63.8 51.1 76.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 51.882 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

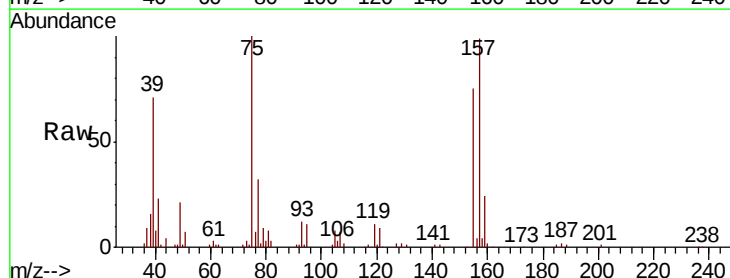
Tgt Ion: 75 Resp: 44095

Ion Ratio Lower Upper

75 100

155 75.1 62.2 93.4

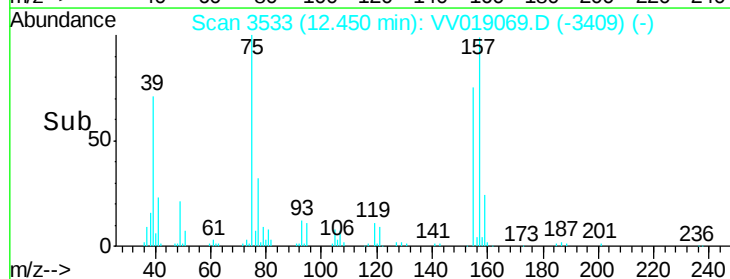
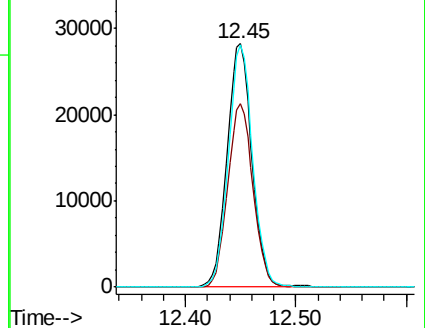
157 99.5 79.9 119.9

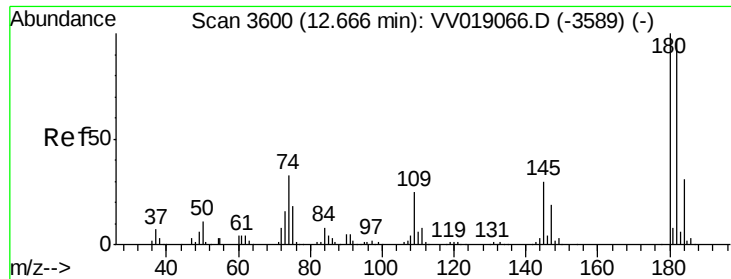


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#67

1,3,5-Trichlorobenzene

Concen: 51.768 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

BFB20

Tot Ion:180 Resp: 168661

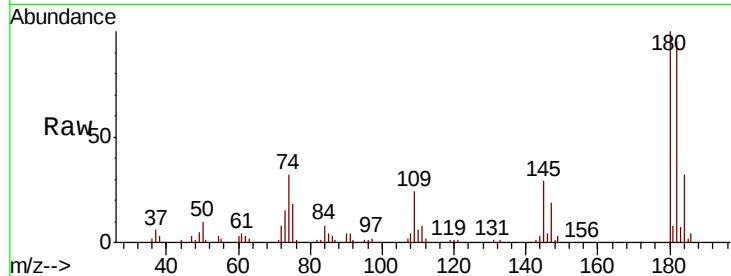
Ion Ratio Lower Upper

180 100

182 96.8 77.4 116.0

184 31.1 24.7 37.1

145 28.9 23.5 35.3

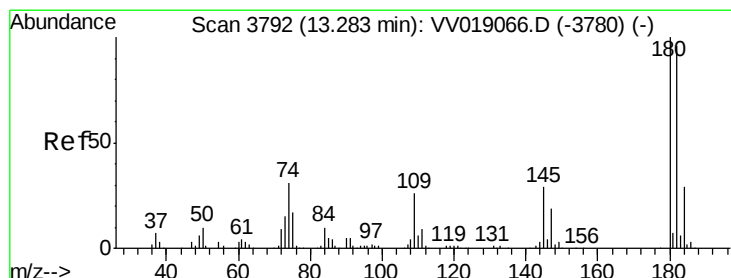
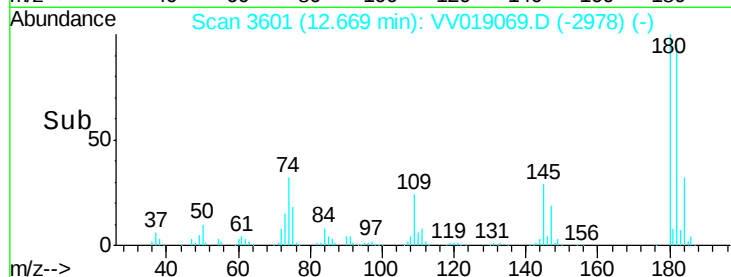
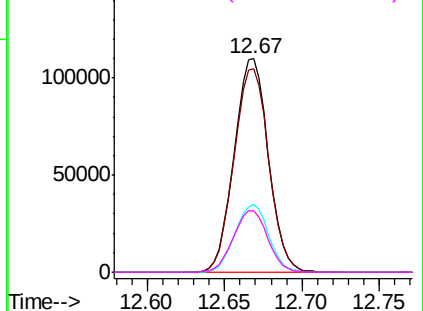


Abundance Ion 180.00 (179.70 to 180.70): V

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: 52.951 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

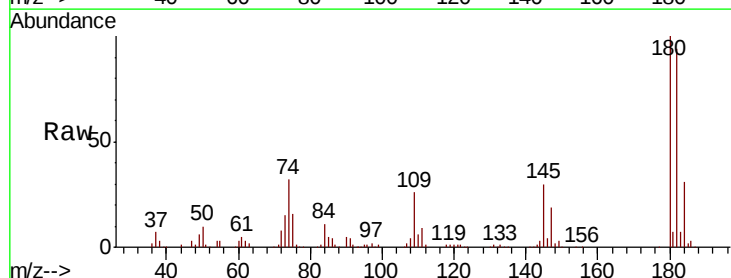
Tgt Ion:180 Resp: 162675

Ion Ratio Lower Upper

180 100

182 94.2 77.4 116.2

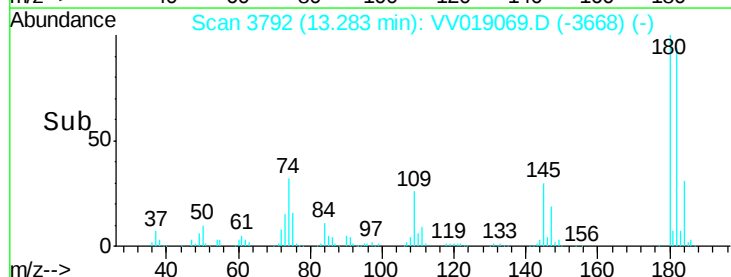
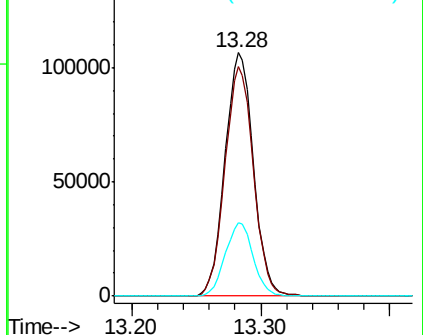
145 29.6 23.7 35.5

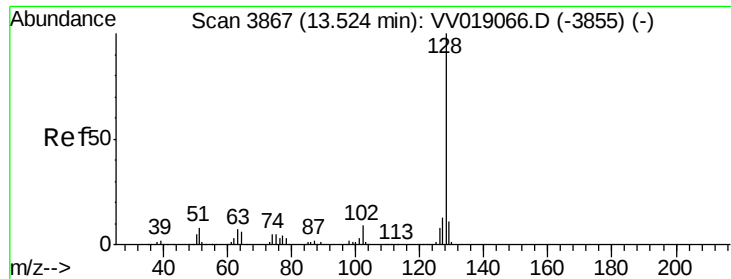


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 55.772 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

Instrument :

MSVOA_V

ClientSampleId :

BFB20

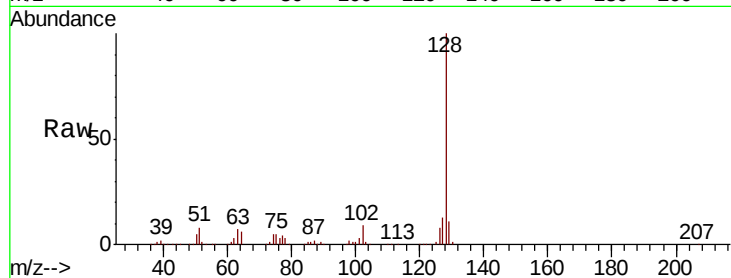
Tot Ion:128 Resp: 527930

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

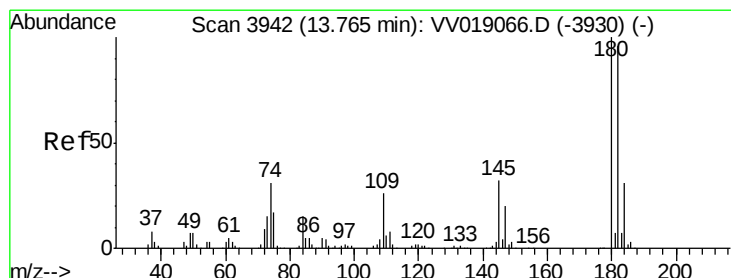
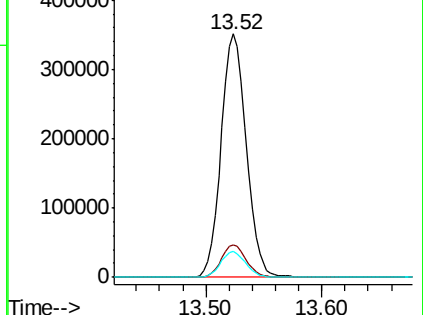
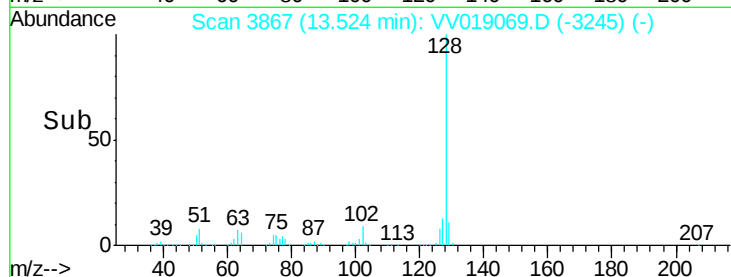
129 10.7 8.7 13.1



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: 53.096 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV019069.D

Acq: 22 Oct 2020 14:21

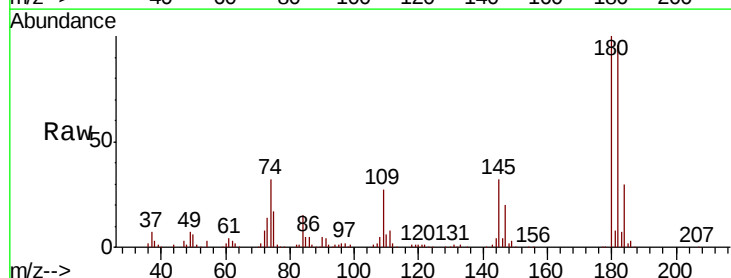
Tgt Ion:180 Resp: 165274

Ion Ratio Lower Upper

180 100

182 94.7 76.9 115.3

145 31.5 25.6 38.4



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

