

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010721\
 Data File : VV019912.D
 Acq On : 07 Jan 2021 10:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB76

Quant Time: Jan 08 01:28:36 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM122820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 06 11:30:26 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	557000	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	544857	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	284435	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	192541	44.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.34%
7) Chloroethane-d5	1.57	69	163830	47.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.64%
11) 1,1-Dichloroethene-d2	2.11	63	400013	49.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.20%
21) 2-Butanone-d5	3.89	46	301338	94.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.32%
24) Chloroform-d	4.35	84	393439	48.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.62%
26) 1,2-Dichloroethane-d4	5.03	65	264593	49.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.42%
32) Benzene-d6	5.05	84	733521	46.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.50%
36) 1,2-Dichloropropane-d6	6.07	67	236633	45.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.74%
41) Toluene-d8	7.32	98	661049	47.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.68%
43) trans-1,3-Dichloropropene-	7.62	79	117751	45.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.82%
47) 2-Hexanone-d5	8.09	63	201484	94.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.50%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	324125	48.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.62%
64) 1,2-Dichlorobenzene-d4	11.63	152	253977	46.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	222798	51.528	ug/L 98
3) Chloromethane	1.24	50	245333	46.330	ug/L 99
5) Vinyl chloride	1.31	62	247682	47.872	ug/L 99
6) Bromomethane	1.52	94	147918	47.194	ug/L 96
8) Chloroethane	1.59	64	157943	49.106	ug/L 99
9) Trichlorofluoromethane	1.75	101	330914	52.797	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	188741	53.469	ug/L 99
12) 1,1-Dichloroethene	2.12	96	174621	49.300	ug/L 91
13) Acetone	2.19	43	336456	136.041	ug/L 99
14) Carbon disulfide	2.30	76	513275	44.481	ug/L 100
15) Methyl Acetate	2.43	43	234228	46.611	ug/L 99
16) Methylene chloride	2.51	84	210173	47.245	ug/L 100
17) trans-1,2-Dichloroethene	2.76	96	190152	47.982	ug/L 99
18) Methyl tert-butyl Ether	2.77	73	638640	47.729	ug/L 100
19) 1,1-Dichloroethane	3.19	63	387797	48.492	ug/L 99
20) cis-1,2-Dichloroethene	3.91	96	206944	47.729	ug/L 99
22) 2-Butanone	3.97	43	377870	108.824	ug/L 96

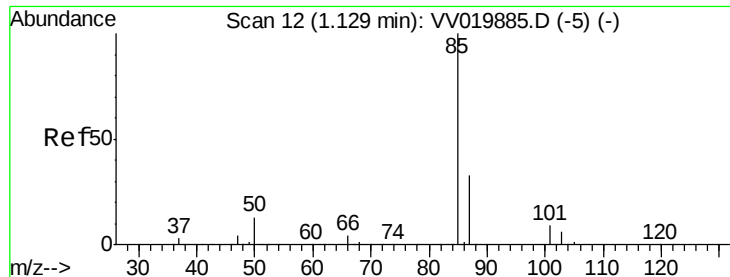
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010721\
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 Quant Title : VOC Analysis
 QLast Update : Wed Jan 06 11:30:26 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	102180	47.695	ug/L	98
25) Chloroform	4.38	83	389492	49.371	ug/L	99
27) 1,2-Dichloroethane	5.13	62	324751	49.929	ug/L	99
29) Cyclohexane	4.68	56	333012	47.737	ug/L	99
30) 1,1,1-Trichloroethane	4.61	97	338458	48.519	ug/L	100
31) Carbon tetrachloride	4.83	117	282208	49.161	ug/L	99
33) Benzene	5.10	78	813454	47.467	ug/L	100
34) Trichloroethene	5.92	95	218106	47.974	ug/L	99
35) Methylcyclohexane	6.13	83	339506	49.795	ug/L	98
37) 1,2-Dichloropropane	6.17	63	220547	47.923	ug/L	99
38) Bromodichloromethane	6.51	83	290778	48.329	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	333948	47.110	ug/L	100
40) 4-Methyl-2-pentanone	7.23	43	640978	93.016	ug/L	99
42) Toluene	7.39	91	851614	48.513	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	334678	48.406	ug/L	100
45) 1,1,2-Trichloroethane	7.84	97	199099	47.164	ug/L	99
46) Tetrachloroethene	7.98	164	146773	48.342	ug/L	97
48) 2-Hexanone	8.14	43	527837	99.074	ug/L	99
49) Dibromochloromethane	8.25	129	208996	47.879	ug/L	99
50) 1,2-Dibromoethane	8.35	107	208190	46.990	ug/L	98
51) Chlorobenzene	8.88	112	541454	48.370	ug/L	99
52) Ethylbenzene	9.02	91	976570	49.437	ug/L	99
53) m,p-Xylene	9.14	106	351826	48.899	ug/L	99
54) o-xylene	9.55	106	347152	49.352	ug/L	99
55) Styrene	9.57	104	617703	50.527	ug/L	98
56) Isopropylbenzene	9.94	105	952830	50.578	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.25	83	320362	47.780	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	276579	47.274	ug/L	99
61) Bromoform	9.74	173	135982	46.485	ug/L	99
62) 1,3-Dichlorobenzene	11.19	146	423601	48.921	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	431697	48.474	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	423102	47.868	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.44	75	75962	45.149	ug/L	97
67) 1,3,5-Trichlorobenzene	12.65	180	314453	50.334	ug/L	99
68) 1,2,4-trichlorobenzene	13.27	180	278105	49.997	ug/L	99
69) Naphthalene	13.51	128	874386	49.977	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	275006	50.870	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 51.528 ug/L

RT: 1.13 min Scan# 12

Delta R.T. 0.00 min

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ClientSampleId :

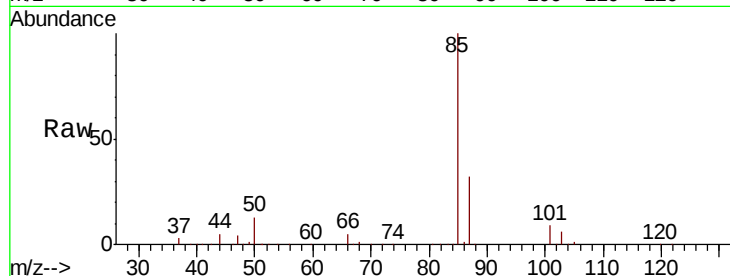
BFB76

Tot Ion: 85 Resp: 222798

Ion Ratio Lower Upper

85 100

87 31.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV019885.D (-5) (-)

Ion 87.00 (86.70 to 87.70): VV019885.D (-5) (-)

1.13

250000

200000

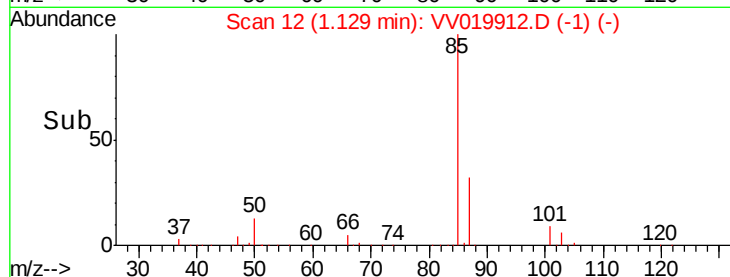
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100000

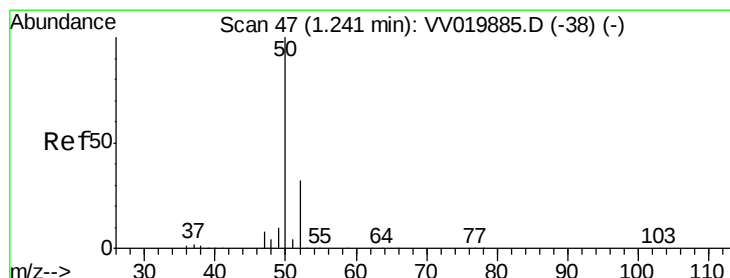
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 46.330 ug/L

RT: 1.24 min Scan# 47

Delta R.T. 0.00 min

Lab File: VV019912.D

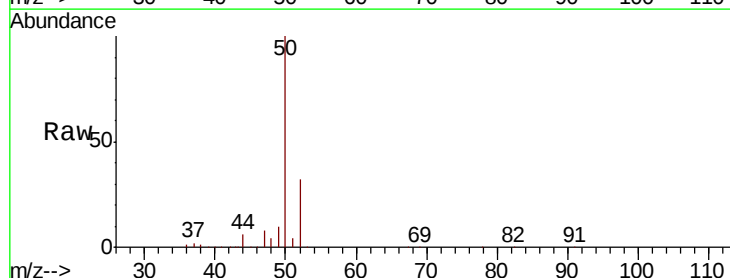
Acq: 07 Jan 2021 10:12

Tgt Ion: 50 Resp: 245333

Ion Ratio Lower Upper

50 100

52 32.1 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV019885.D (-38) (-)

Ion 52.00 (51.70 to 52.70): VV019885.D (-38) (-)

1.24

250000

200000

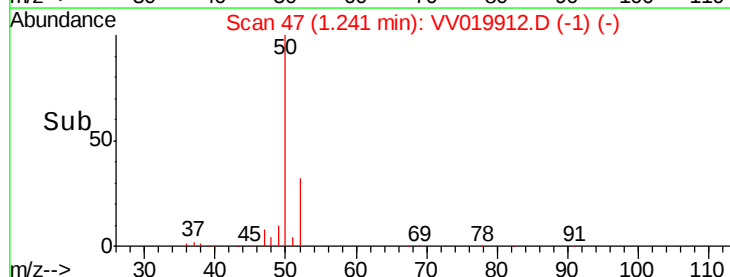
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100000

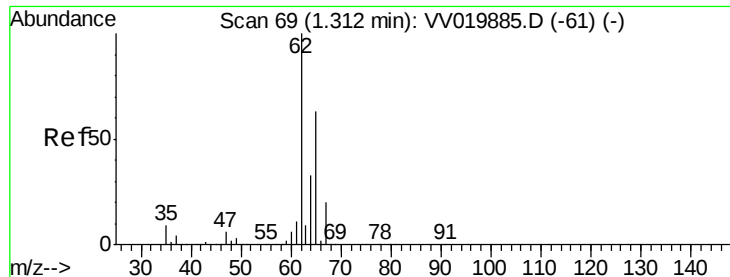
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 47.872 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

Instrument :

MSVOA_V

ClientSampled :

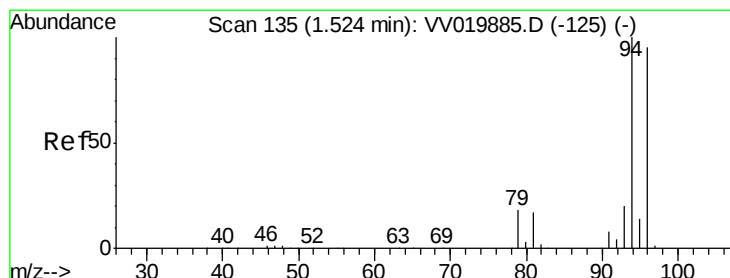
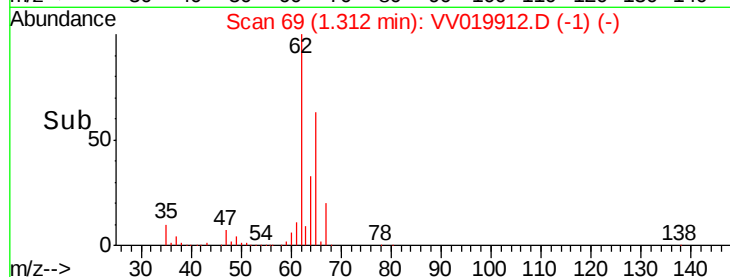
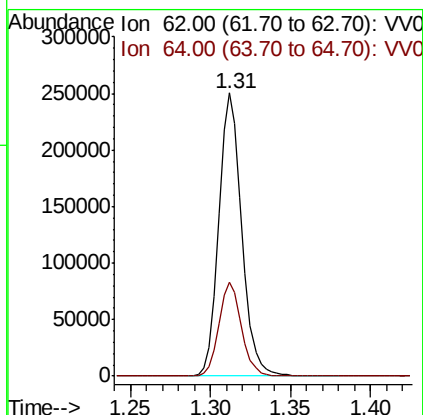
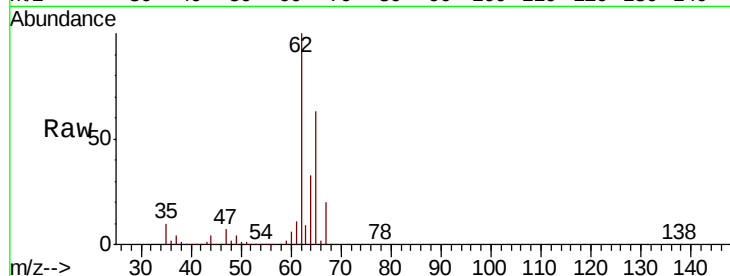
BFB76

Tot Ion: 62 Resp: 247682

Ion Ratio Lower Upper

62 100

64 33.3 23.0 42.6



#6

Bromomethane

Concen: 47.194 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019912.D

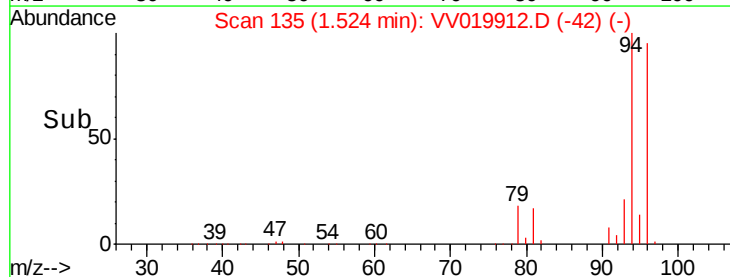
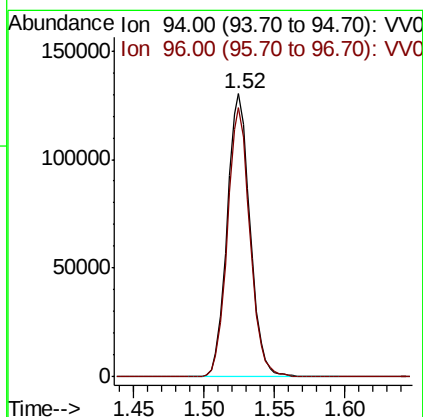
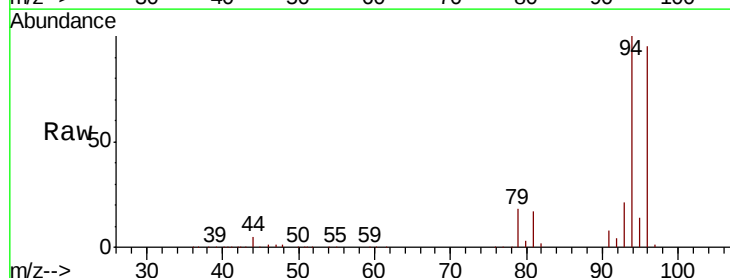
Acq: 07 Jan 2021 10:12

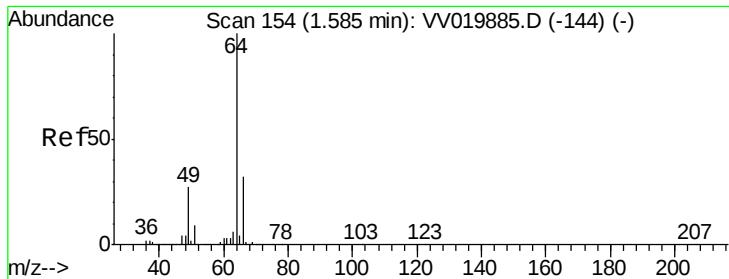
Tgt Ion: 94 Resp: 147918

Ion Ratio Lower Upper

94 100

96 95.2 63.6 118.2





#8

Chloroethane

Concen: 49.106 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

Instrument :

MSVOA_V

ClientSampleId :

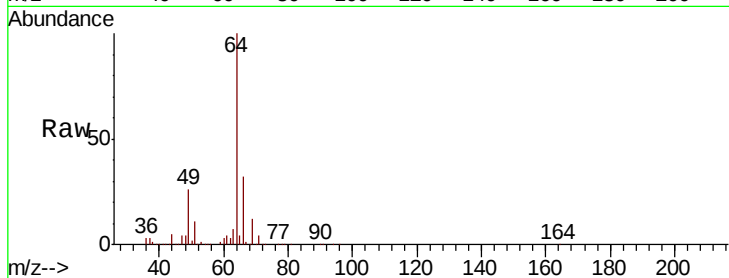
BFB76

Tot Ion: 64 Resp: 157943

Ion Ratio Lower Upper

64 100

66 32.4 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VV019885.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VV019885.D (-144) (-)

150000

100000

50000

0

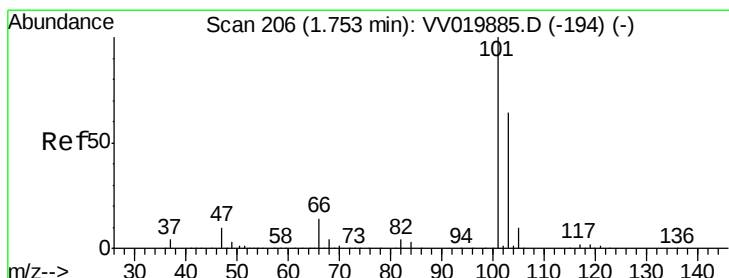
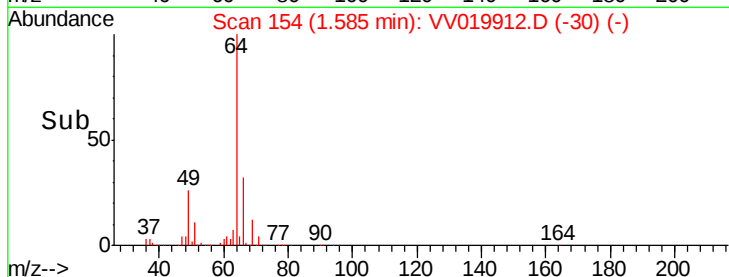
1.59

1.55

1.60

1.65

Time-->



#9

Trichlorofluoromethane

Concen: 52.797 ug/L

RT: 1.75 min Scan# 206

Delta R.T. 0.00 min

Lab File: VV019912.D

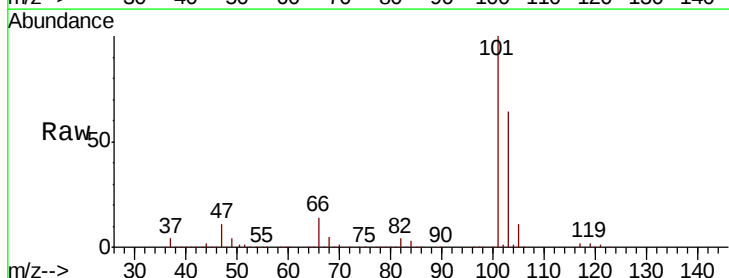
Acq: 07 Jan 2021 10:12

Tgt Ion:101 Resp: 330914

Ion Ratio Lower Upper

101 100

103 64.8 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VV019885.D (-194) (-)

Ion 103.00 (102.70 to 103.70): VV019885.D (-194) (-)

300000

250000

200000

150000

100000

50000

0

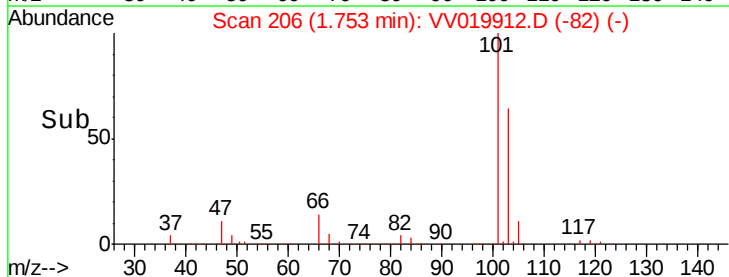
1.75

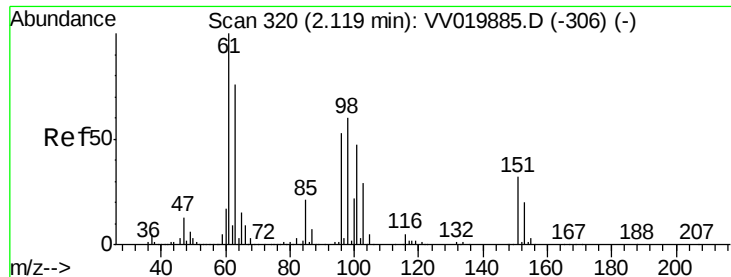
1.70

1.80

1.85

Time-->





#10

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

Concen: 53.469 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

Instrument :

MSVOA_V

ClientSampleId :

BFB76

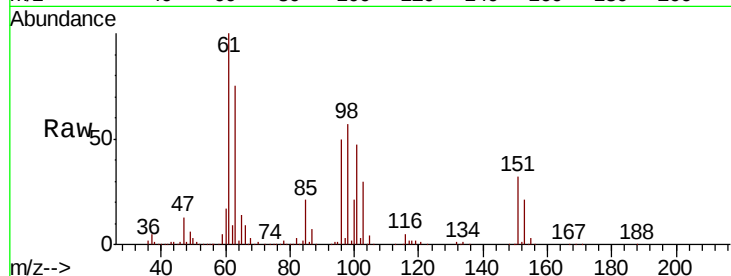
Tot Ion:101 Resp: 188741

Ion Ratio Lower Upper

101 100

85 45.2 35.3 52.9

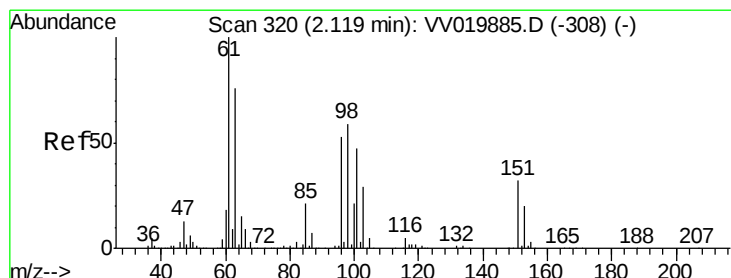
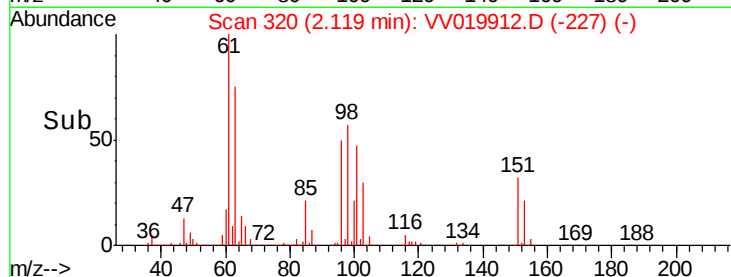
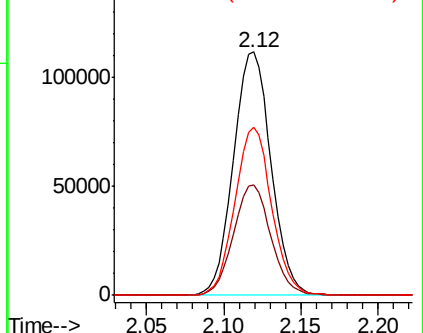
151 67.6 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): VV019912.D (-227) (-)

Ion 85.00 (84.70 to 85.70): VV019912.D (-227) (-)

Ion 151.00 (150.70 to 151.70): VV019912.D (-227) (-)



#12

1,1-Dichloroethene

Concen: 49.300 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

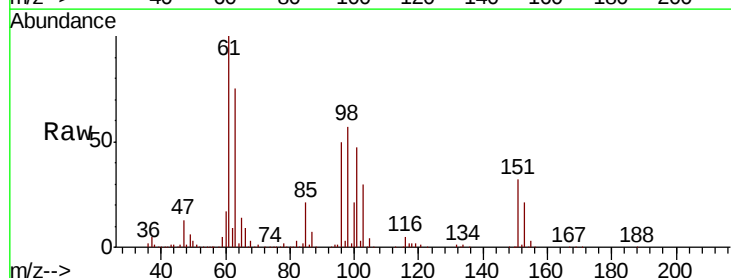
Tgt Ion: 96 Resp: 174621

Ion Ratio Lower Upper

96 100

61 198.6 134.9 250.5

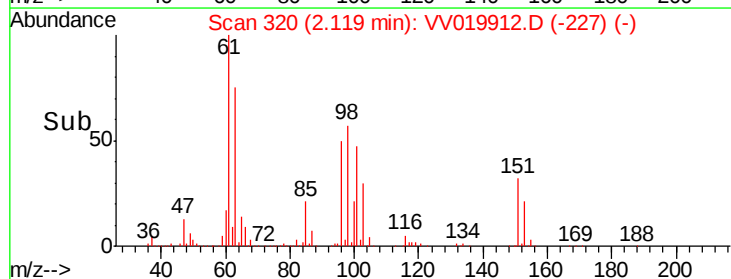
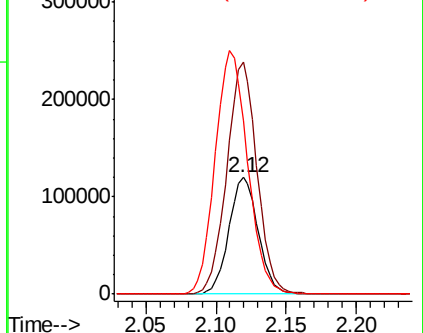
63 148.5 117.6 218.4

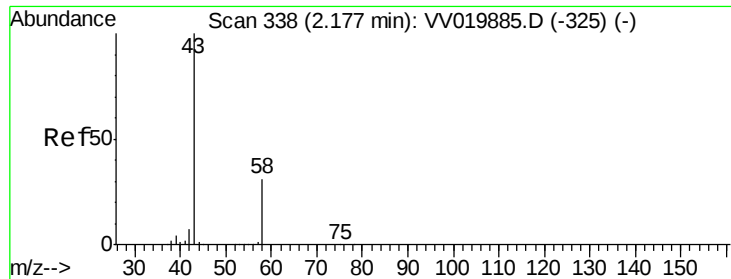


Abundance Ion 96.00 (95.70 to 96.70): VV019912.D (-227) (-)

Ion 61.00 (60.70 to 61.70): VV019912.D (-227) (-)

Ion 63.00 (62.70 to 63.70): VV019912.D (-227) (-)





#13

Acetone

Concen: 136.041 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.01 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

Instrument :

MSVOA_V

ClientSampleId :

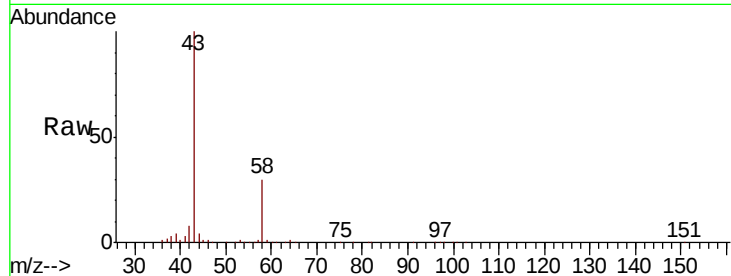
BFB76

Tot Ion: 43 Resp: 336456

Ion Ratio Lower Upper

43 100

58 29.4 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV019885.D (-325) (-)

Ion 58.00 (57.70 to 58.70): VV019885.D (-325) (-)

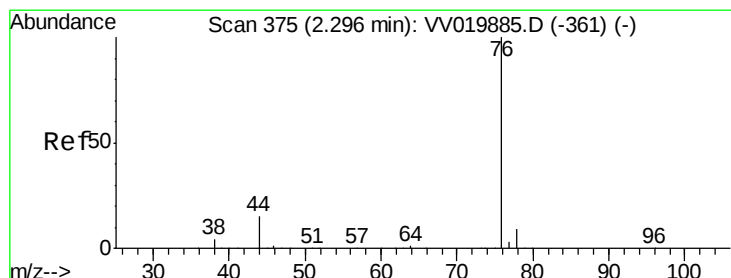
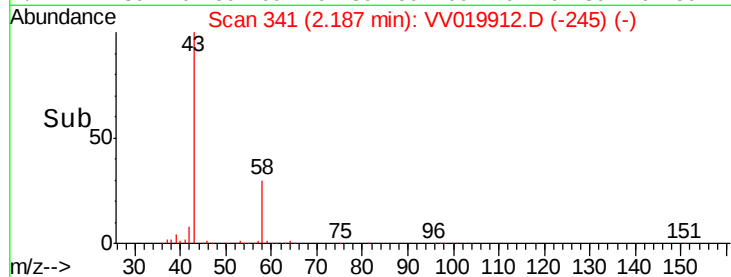
2.19

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 44.481 ug/L

RT: 2.30 min Scan# 375

Delta R.T. 0.00 min

Lab File: VV019912.D

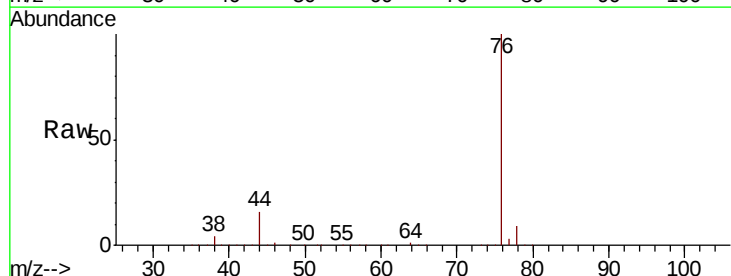
Acq: 07 Jan 2021 10:12

Tgt Ion: 76 Resp: 513275

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV019885.D (-361) (-)

Ion 78.00 (77.70 to 78.70): VV019885.D (-361) (-)

2.30

400000

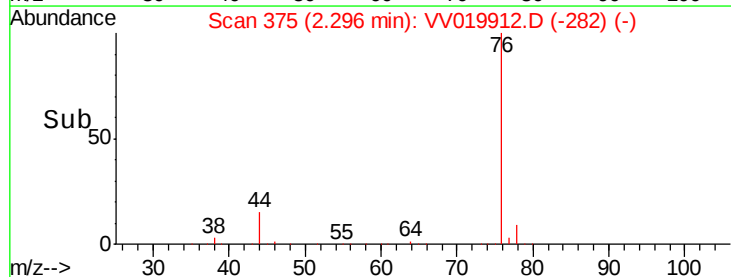
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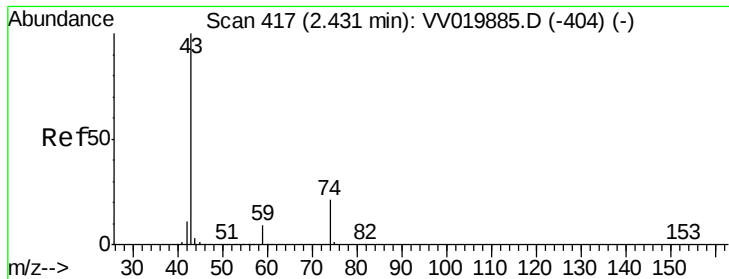
200000

100000

0

Time-->





#15

Methvl Acetate

Concen: 46.611 ug/L

RT: 2.43 min Scan# 418

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

Instrument :

MSVOA_V

ClientSampled :

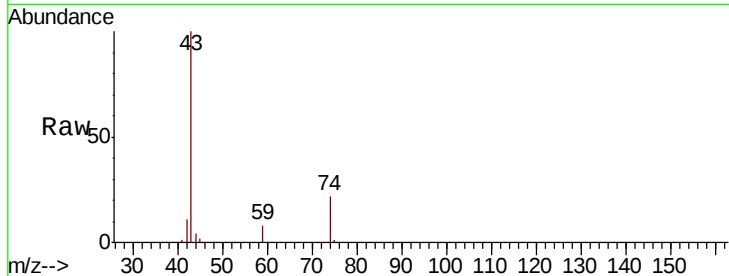
BFB76

Tot Ion: 43 Resp: 234228

Ion Ratio Lower Upper

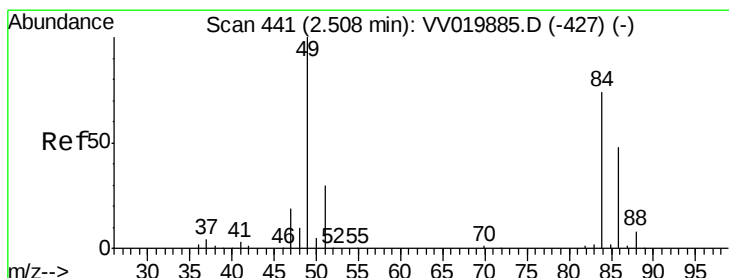
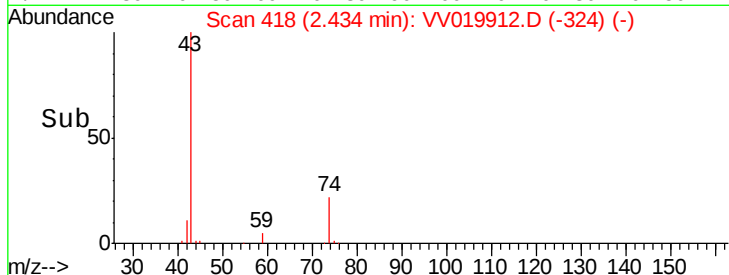
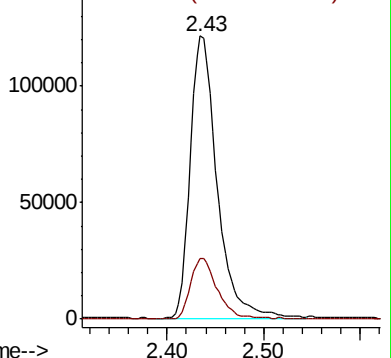
43 100

74 21.7 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 47.245 ug/L

RT: 2.51 min Scan# 441

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

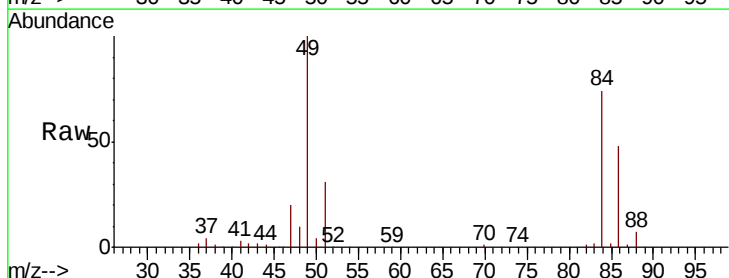
Tgt Ion: 84 Resp: 210173

Ion Ratio Lower Upper

84 100

86 64.6 44.6 82.8

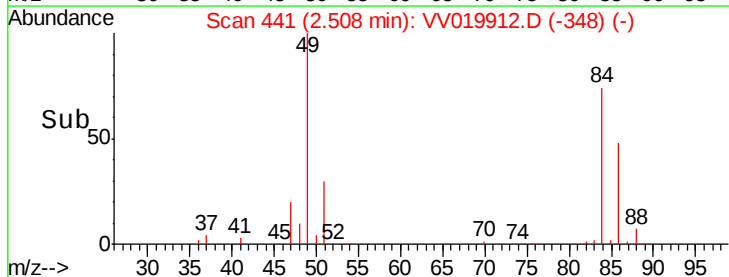
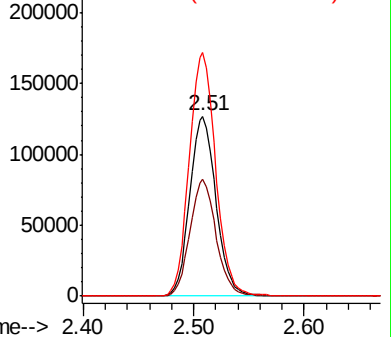
49 135.1 94.6 175.8

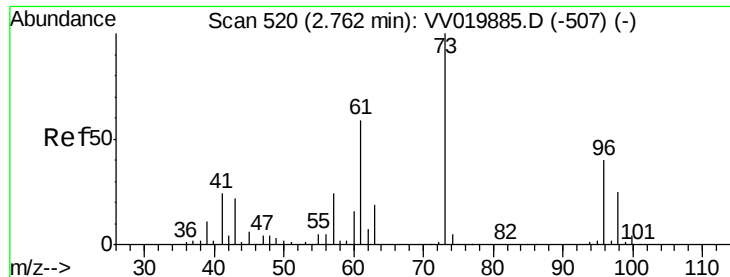


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 47.982 ug/L

RT: 2.76 min Scan# 519

Delta R.T. -0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

Instrument :

MSVOA_V

ClientSampleId :

BFB76

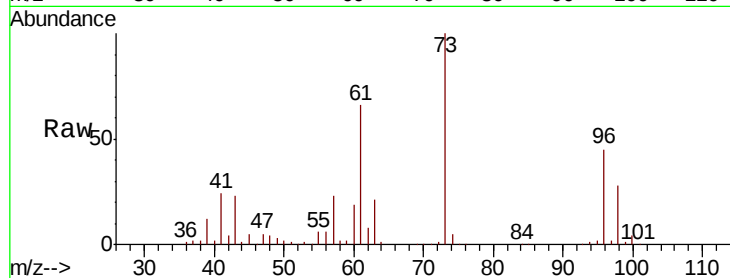
Tot Ion: 96 Resp: 190152

Ion Ratio Lower Upper

96 100

61 149.0 103.1 191.5

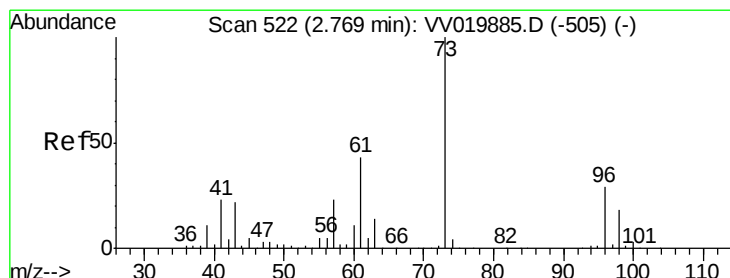
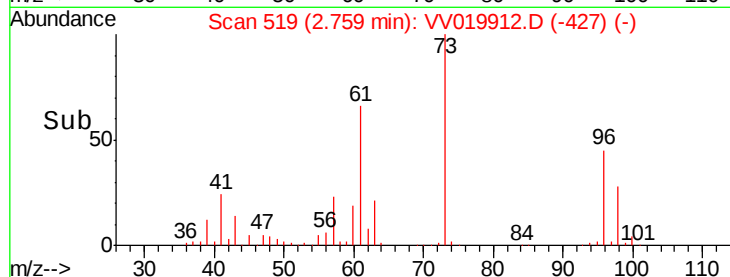
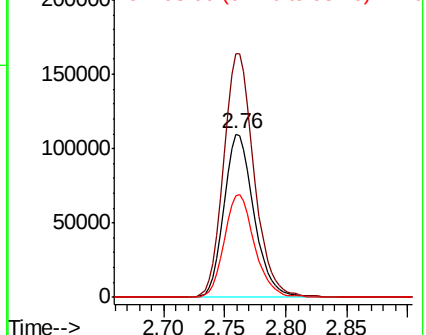
98 62.3 43.1 80.1



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: 47.729 ug/L

RT: 2.77 min Scan# 522

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

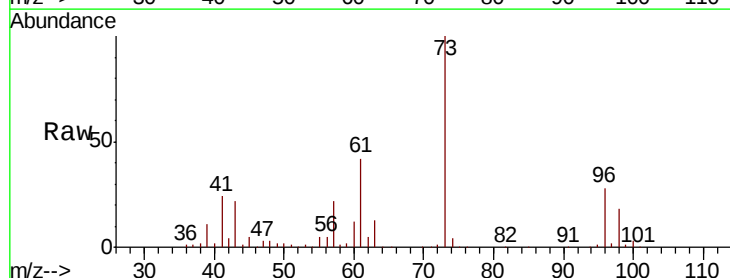
Tgt Ion: 73 Resp: 638640

Ion Ratio Lower Upper

73 100

43 22.0 17.3 25.9

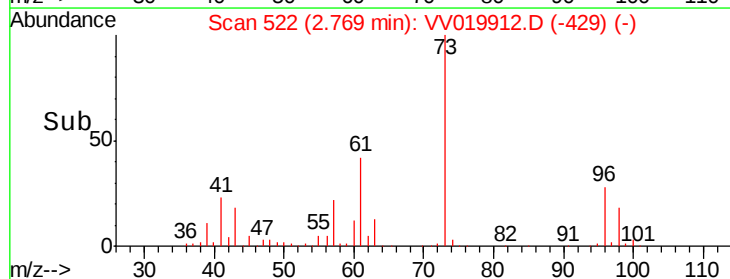
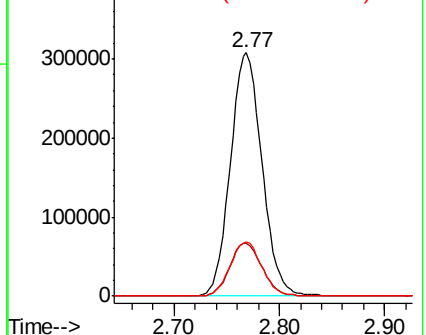
57 22.4 17.9 26.9

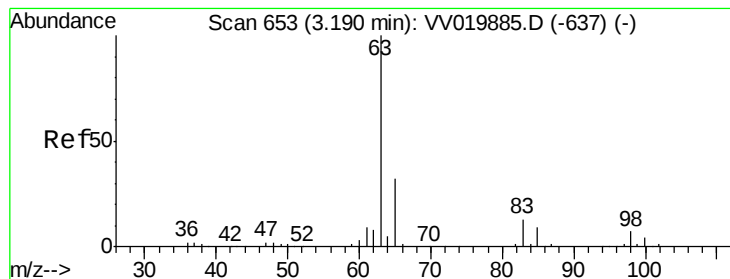


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 48.492 ug/L

RT: 3.19 min Scan# 653

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

Instrument :

MSVOA_V

ClientSampleId :

BFB76

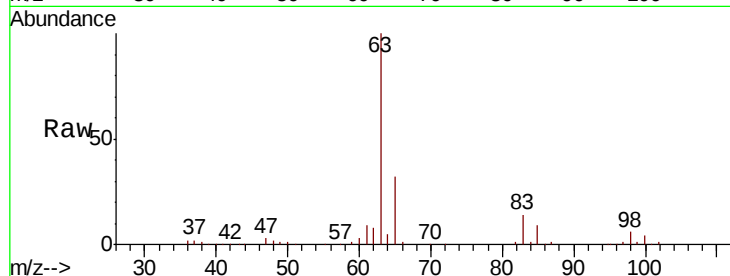
Tot Ion: 63 Resp: 387797

Ion Ratio Lower Upper

63 100

65 31.9 21.9 40.7

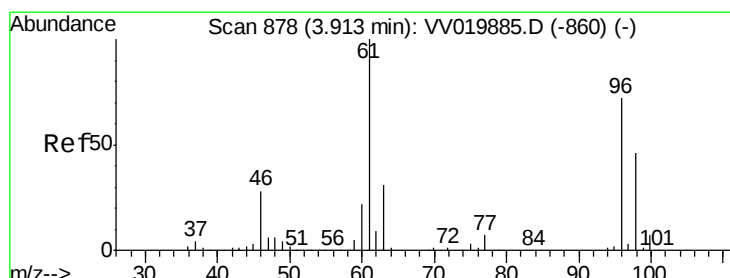
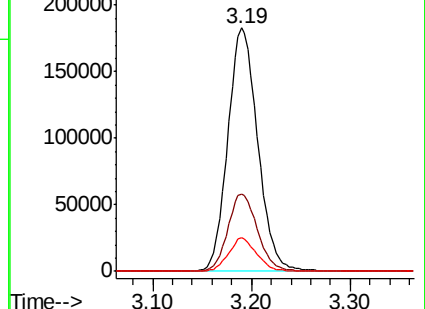
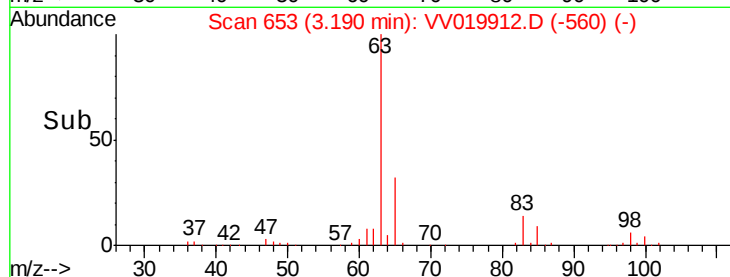
83 13.7 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VV019912.D (-560) (-)

Ion 65.00 (64.70 to 65.70): VV019912.D (-560) (-)

Ion 83.00 (82.70 to 83.70): VV019912.D (-560) (-)



#20

cis-1,2-Dichloroethene

Concen: 47.729 ug/L

RT: 3.91 min Scan# 877

Delta R.T. -0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

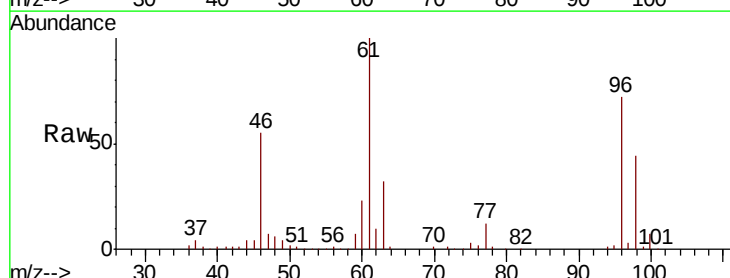
Tgt Ion: 96 Resp: 206944

Ion Ratio Lower Upper

96 100

61 139.4 96.9 179.9

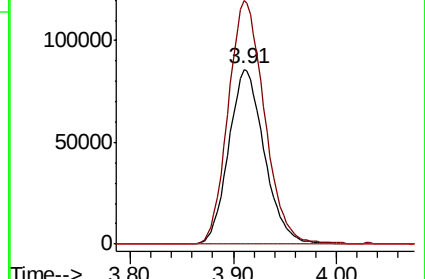
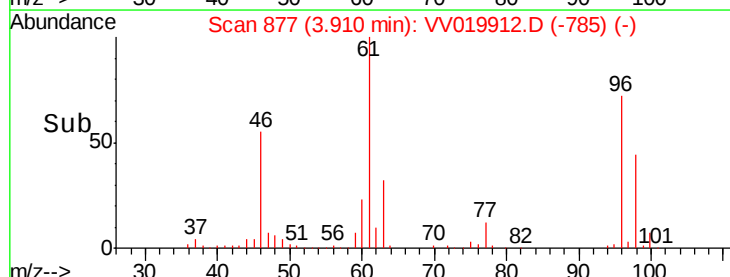
68 0.0 0.0 0.0

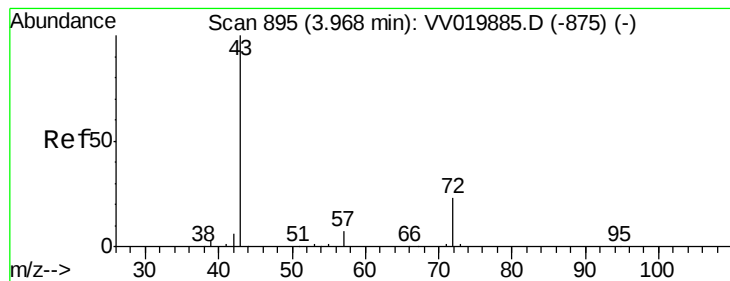


Abundance Ion 96.00 (95.70 to 96.70): VV019912.D (-785) (-)

Ion 61.00 (60.70 to 61.70): VV019912.D (-785) (-)

Ion 68.00 (67.70 to 68.70): VV019912.D (-785) (-)





#22

2-Butanone

Concen: 108.824 ug/L

RT: 3.97 min Scan# 896

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

Instrument :

MSVOA_V

ClientSampleId :

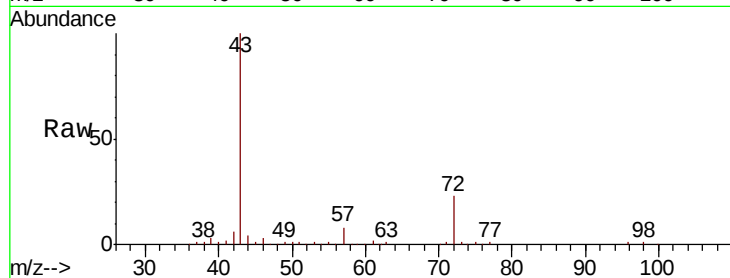
BFB76

Tot Ion: 43 Resp: 377870

Ion Ratio Lower Upper

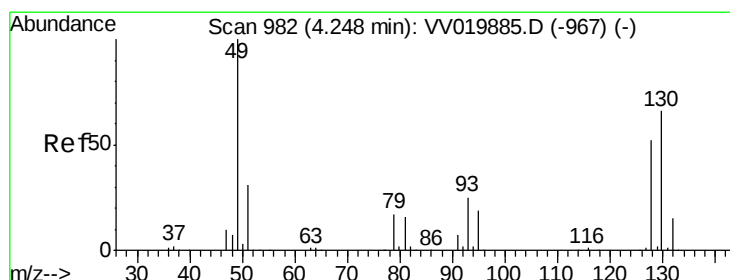
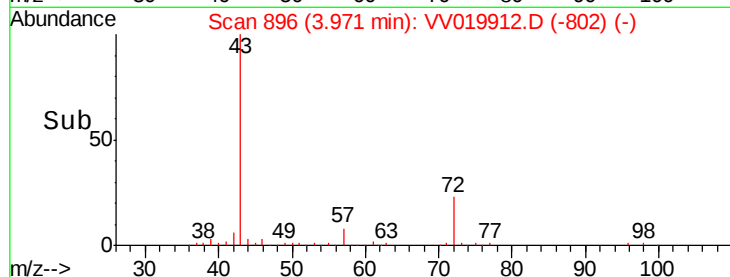
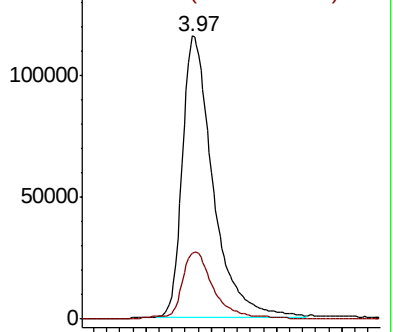
43 100

72 22.2 12.2 36.6



Abundance Ion 43.00 (42.70 to 43.70): VV019885.D (-875) (-)

Ion 72.00 (71.70 to 72.70): VV019885.D (-875) (-)



#23

Bromochloromethane

Concen: 47.695 ug/L

RT: 4.25 min Scan# 982

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

Tgt Ion:128 Resp: 102180

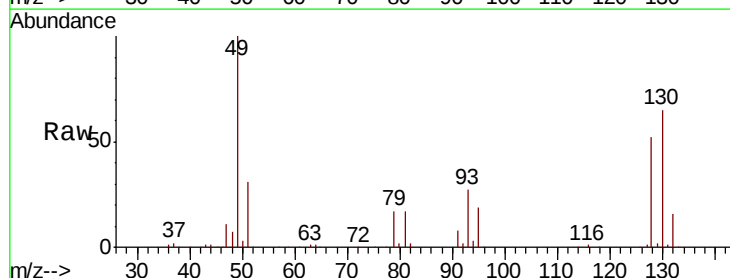
Ion Ratio Lower Upper

128 100

49 192.3 133.1 247.1

130 124.4 89.0 165.4

51 58.9 49.3 73.9

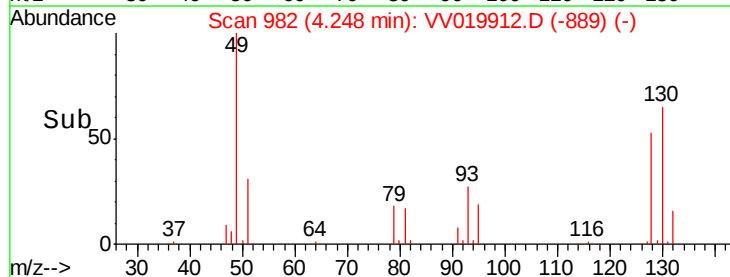
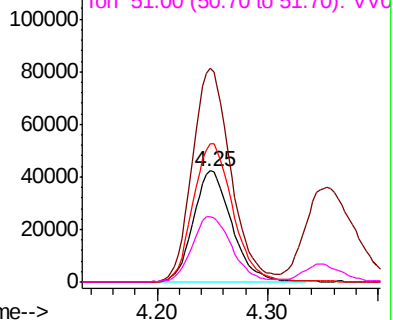


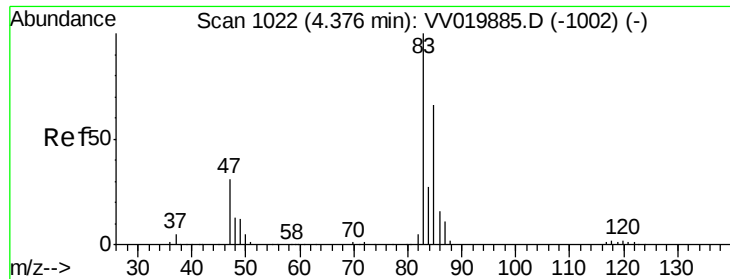
Abundance Ion 128.00 (127.70 to 128.70): VV019885.D (-967) (-)

Ion 49.00 (48.70 to 49.70): VV019885.D (-967) (-)

Ion 130.00 (129.70 to 130.70): VV019885.D (-967) (-)

Ion 51.00 (50.70 to 51.70): VV019885.D (-967) (-)

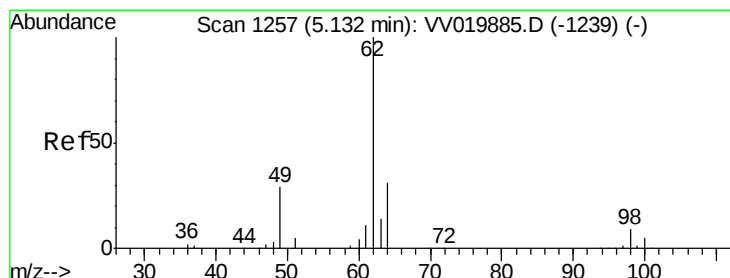
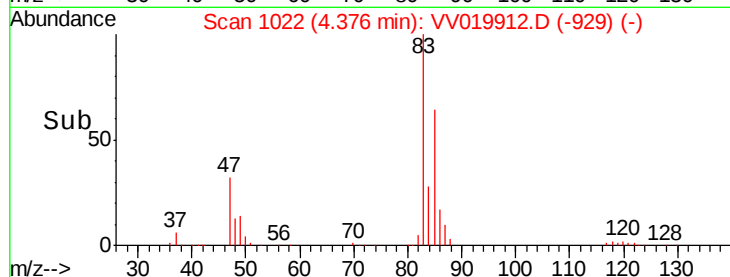
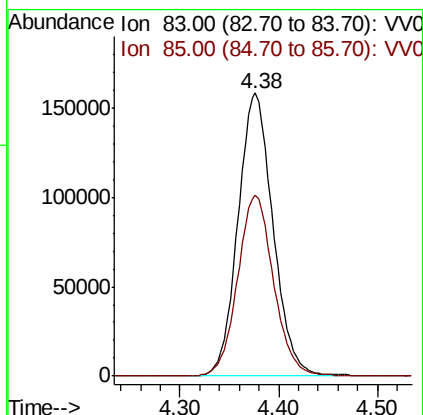
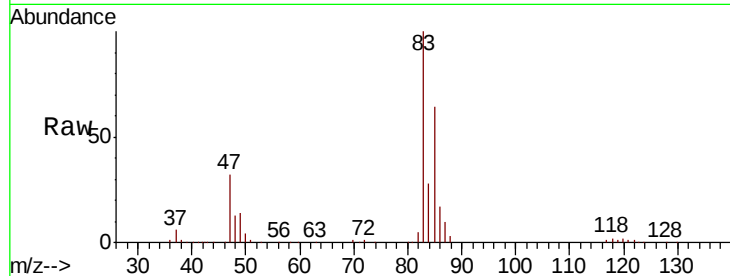




#25
Chloroform
Concen: 49.371 ug/L
RT: 4.38 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VV019912.D
Acq: 07 Jan 2021 10:12

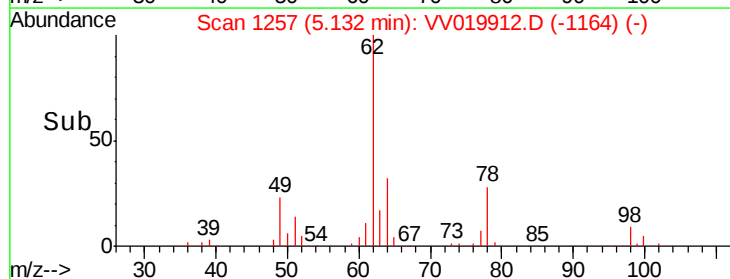
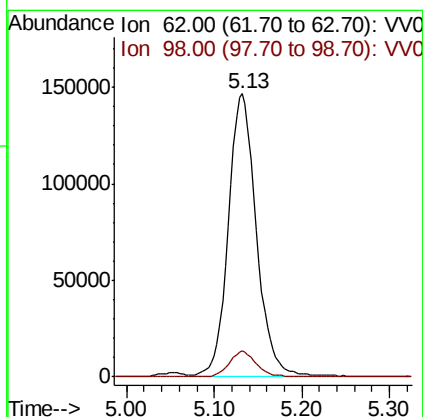
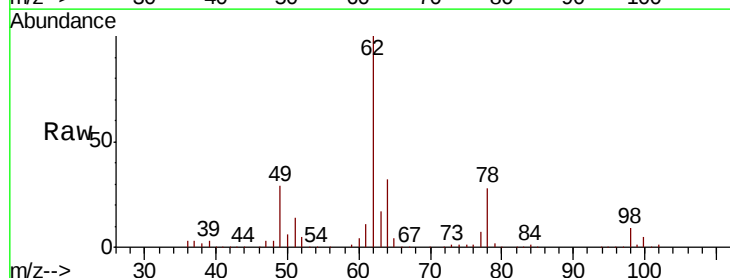
Instrument :
MSVOA_V
ClientSampleId :
BFB76

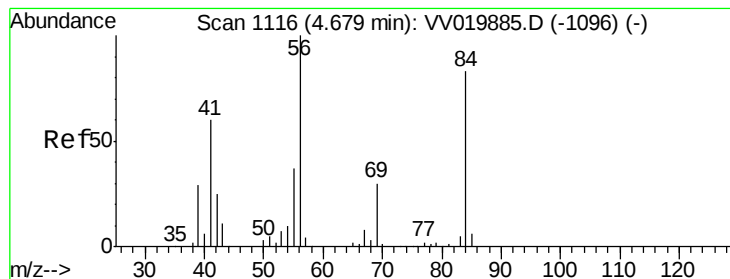
Tot Ion: 83 Resp: 389492
Ion Ratio Lower Upper
83 100
85 63.9 44.2 82.2



#27
1,2-Dichloroethane
Concen: 49.929 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VV019912.D
Acq: 07 Jan 2021 10:12

Tgt Ion: 62 Resp: 324751
Ion Ratio Lower Upper
62 100
98 9.1 6.9 10.3





#29

Cyclohexane

Concen: 47.737 ug/L

RT: 4.68 min Scan# 1116

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

Instrument :

MSVOA_V

ClientSampleId :

BFB76

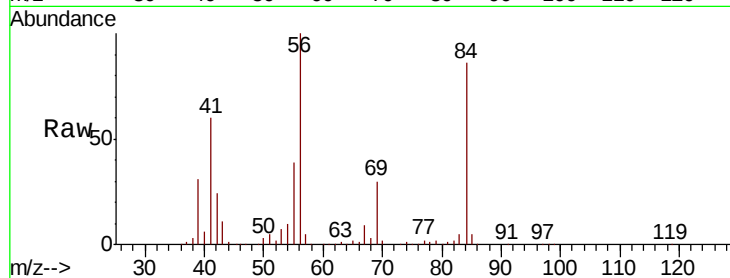
Tot Ion: 56 Resp: 333012

Ion Ratio Lower Upper

56 100

69 29.6 24.2 36.2

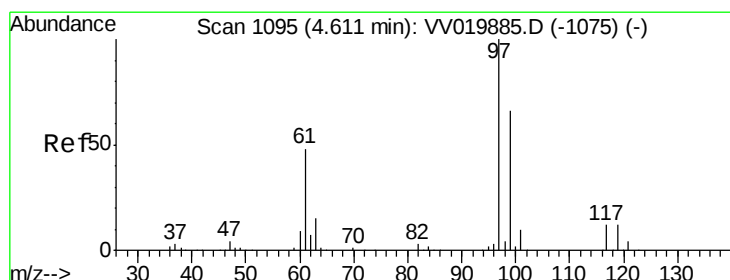
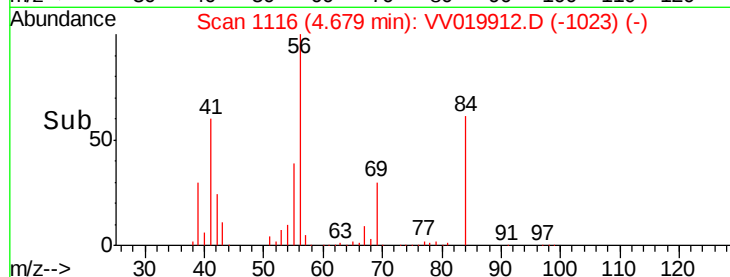
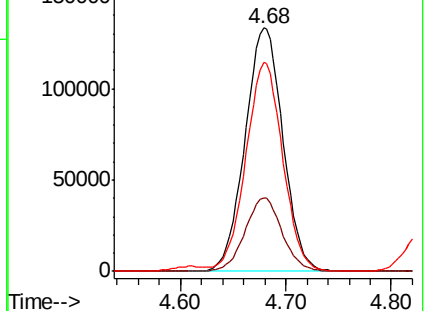
84 83.5 66.3 99.5



Abundance Ion 56.00 (55.70 to 56.70): VV019912.D (-1023) (-)

Ion 69.00 (68.70 to 69.70): VV019912.D (-1023) (-)

Ion 84.00 (83.70 to 84.70): VV019912.D (-1023) (-)



#30

1,1,1-Trichloroethane

Concen: 48.519 ug/L

RT: 4.61 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

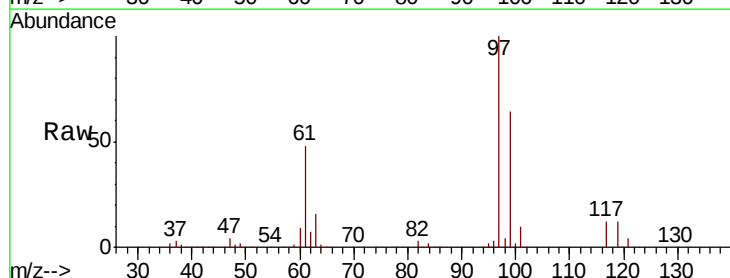
Tgt Ion: 97 Resp: 338458

Ion Ratio Lower Upper

97 100

99 63.9 51.2 76.8

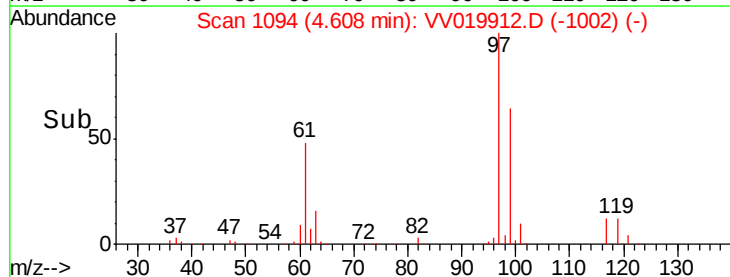
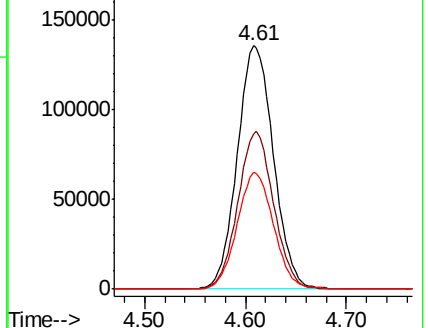
61 48.3 38.5 57.7

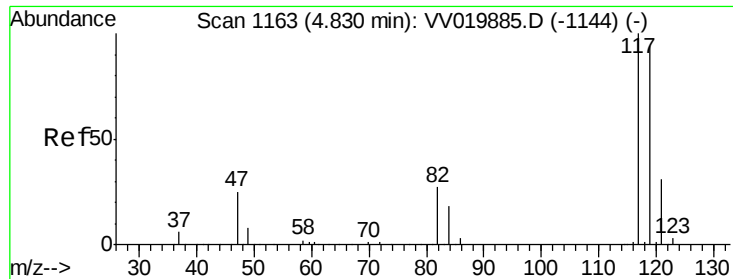


Abundance Ion 97.00 (96.70 to 97.70): VV019912.D (-1002) (-)

Ion 99.00 (98.70 to 99.70): VV019912.D (-1002) (-)

Ion 61.05 (60.75 to 61.75): VV019912.D (-1002) (-)





#31

Carbon tetrachloride

Concen: 49.161 ug/L

RT: 4.83 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

Instrument :

MSVOA_V

ClientSampleId :

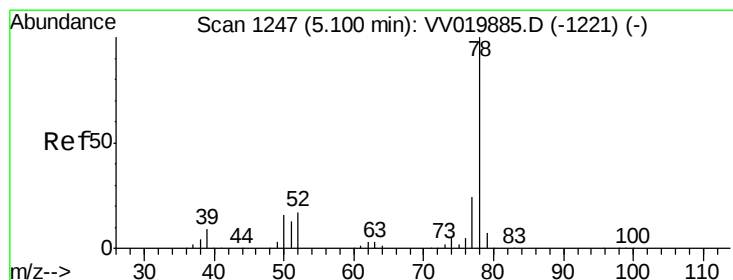
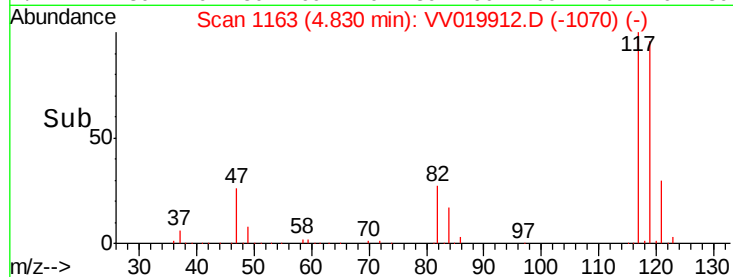
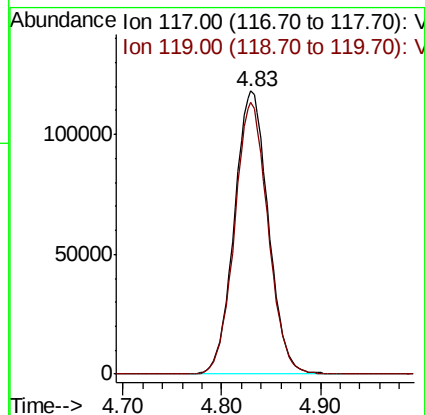
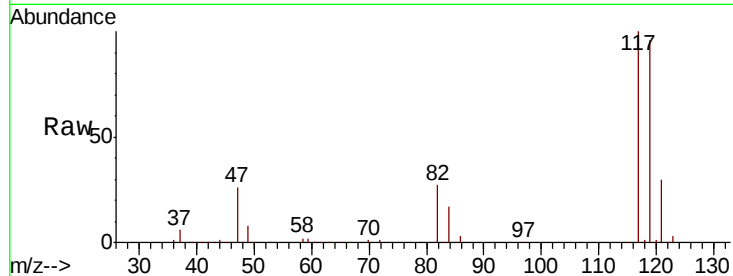
BFB76

Tot Ion:117 Resp: 282208

Ion Ratio Lower Upper

117 100

119 94.7 76.3 114.5



#33

Benzene

Concen: 47.467 ug/L

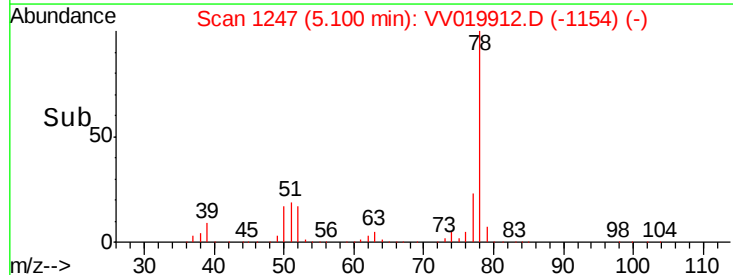
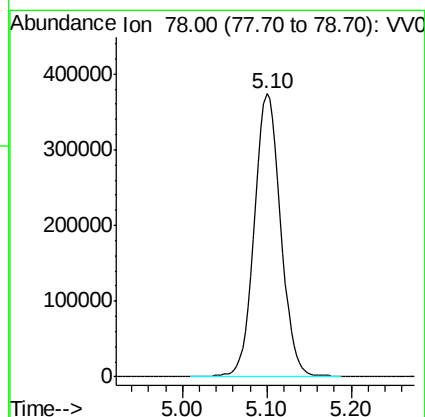
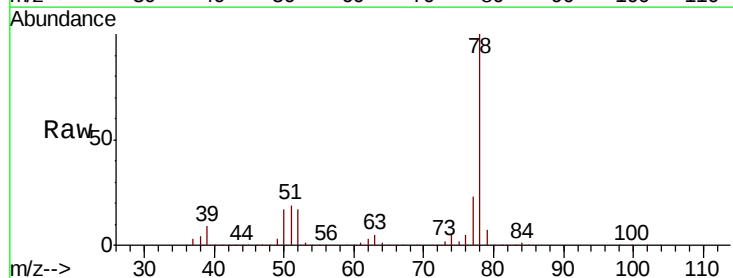
RT: 5.10 min Scan# 1247

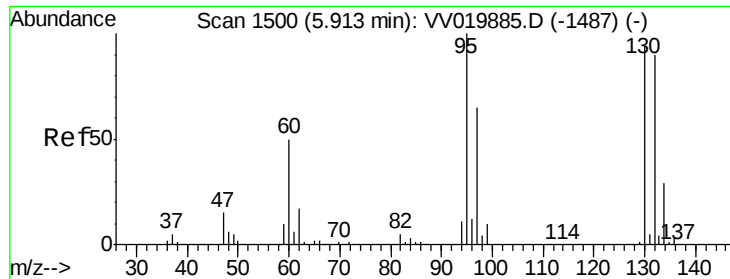
Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

Tgt Ion: 78 Resp: 813454





#34

Trichloroethene

Concen: 47.974 ug/L

RT: 5.92 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

Instrument :

MSVOA_V

ClientSampleId :

BFB76

Tot Ion: 95 Resp: 218106

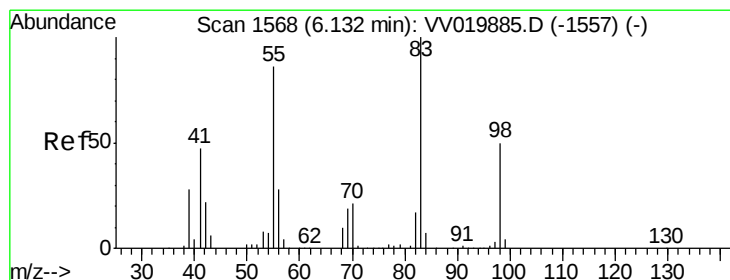
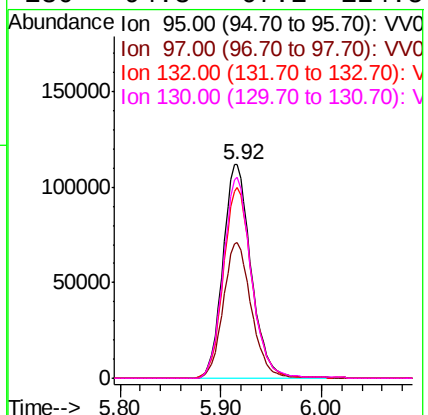
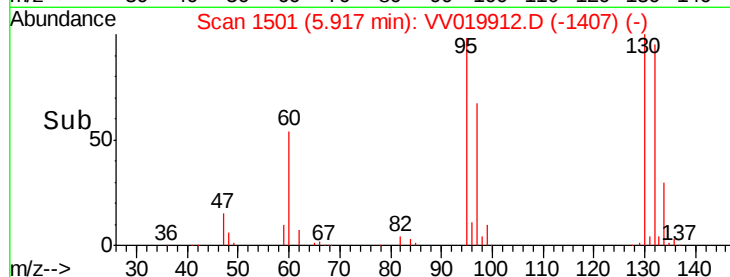
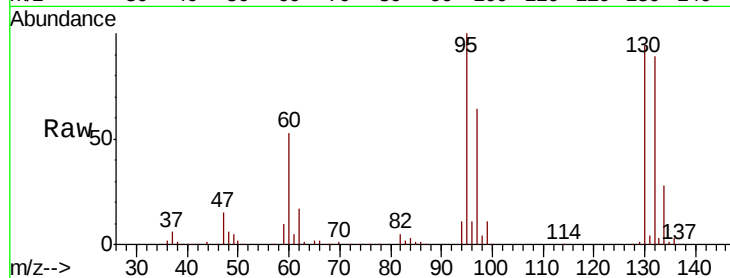
Ion Ratio Lower Upper

95 100

97 63.5 44.5 82.7

132 89.2 63.4 117.8

130 94.3 67.1 124.5



#35

Methylcyclohexane

Concen: 49.795 ug/L

RT: 6.13 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

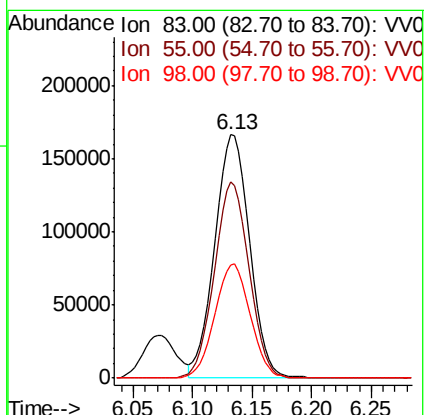
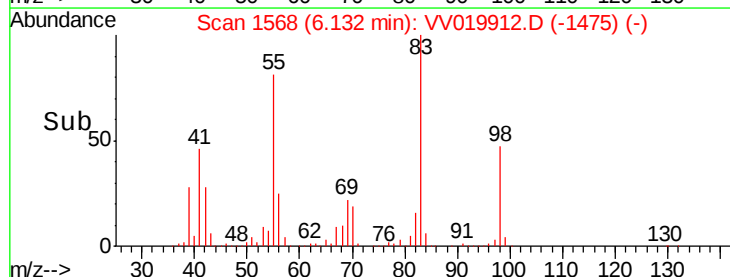
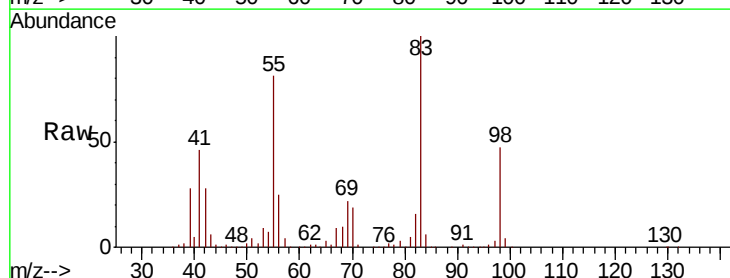
Tgt Ion: 83 Resp: 339506

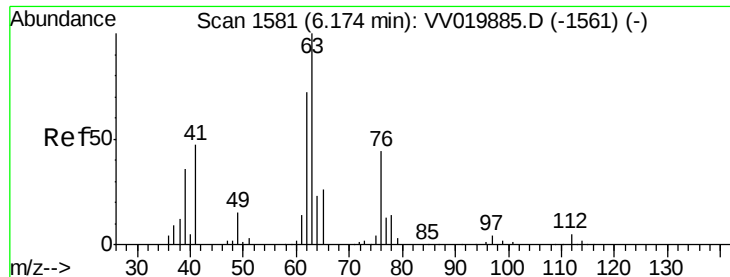
Ion Ratio Lower Upper

83 100

55 79.6 65.1 97.7

98 47.1 38.2 57.2

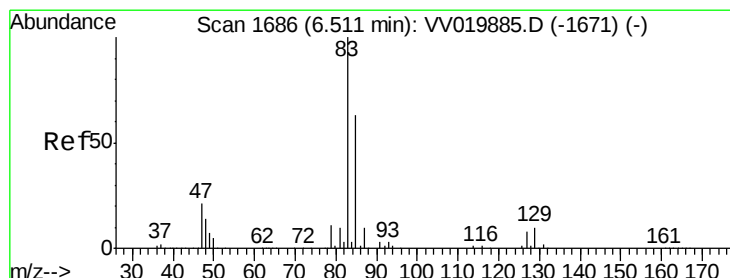
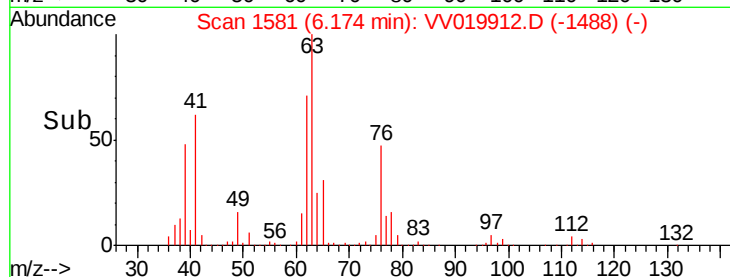
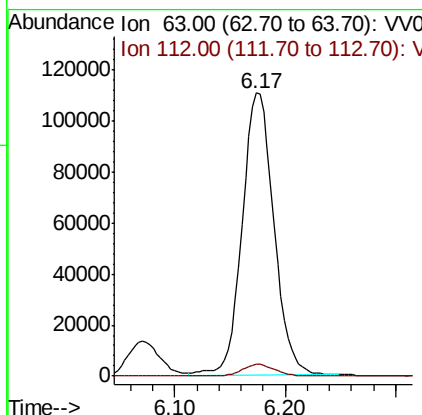
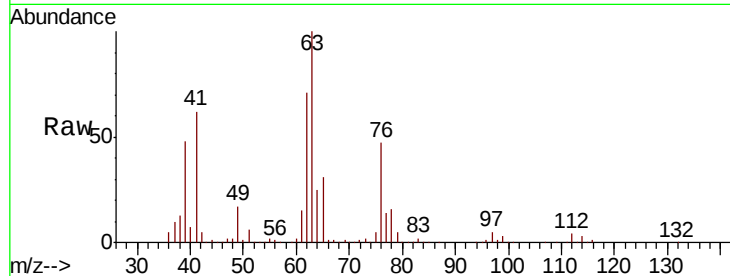




#37
 1,2-Dichloropropane
 Concen: 47.923 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV019912.D
 Acq: 07 Jan 2021 10:12

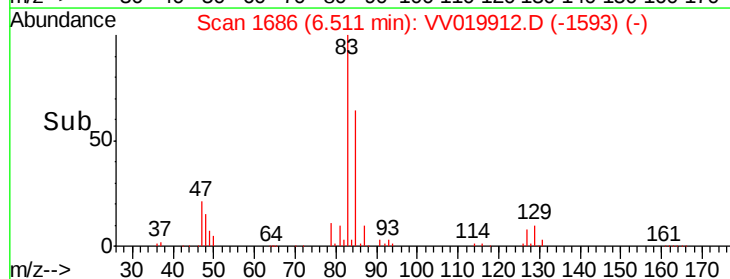
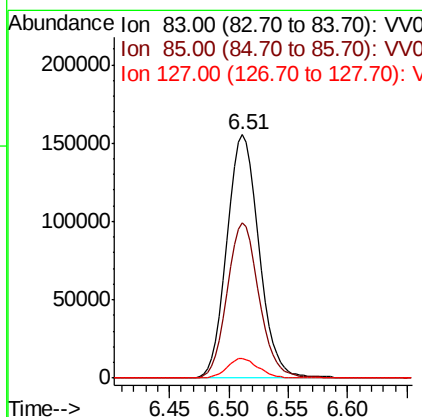
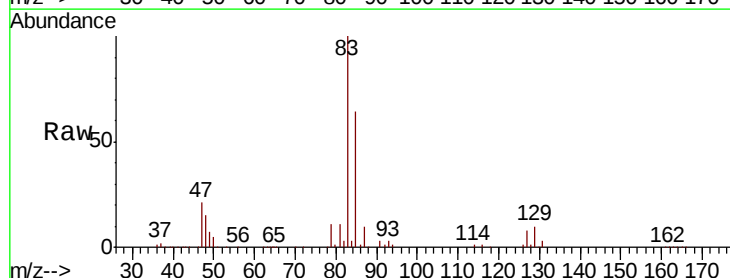
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB76

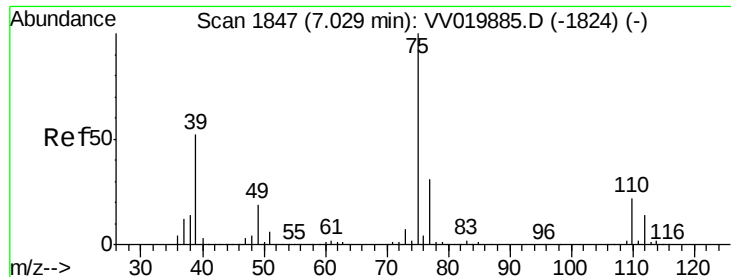
Tot Ion: 63 Resp: 220547
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.3 4.9



#38
 Bromodichloromethane
 Concen: 48.329 ug/L
 RT: 6.51 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VV019912.D
 Acq: 07 Jan 2021 10:12

Tgt Ion: 83 Resp: 290778
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.5 82.7
 127 8.1 6.3 9.5

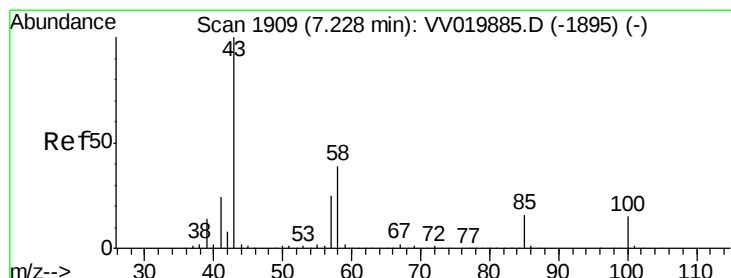
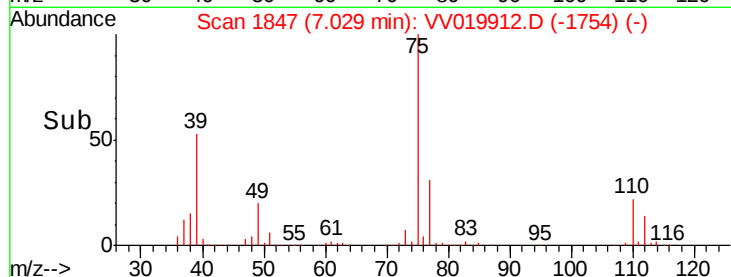
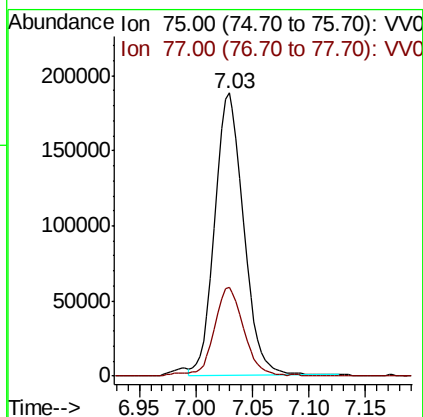
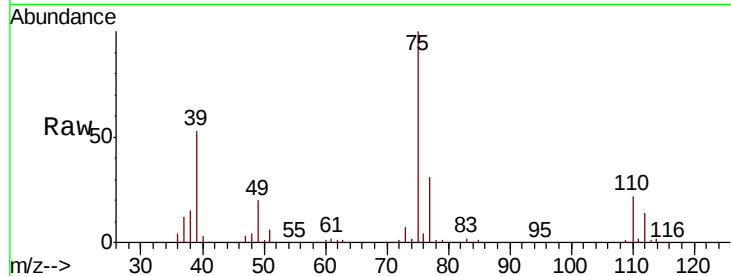




#39
 cis-1,3-Dichloropropene
 Concen: 47.110 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: VV019912.D
 Acq: 07 Jan 2021 10:12

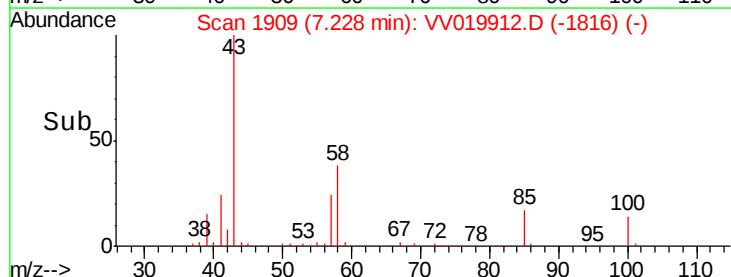
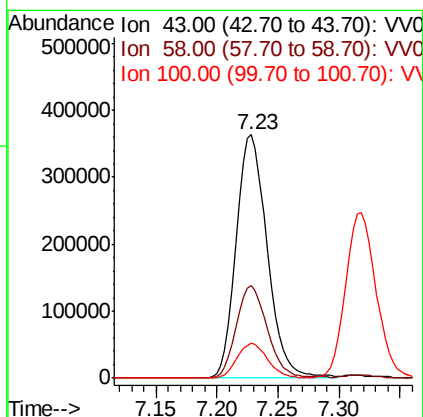
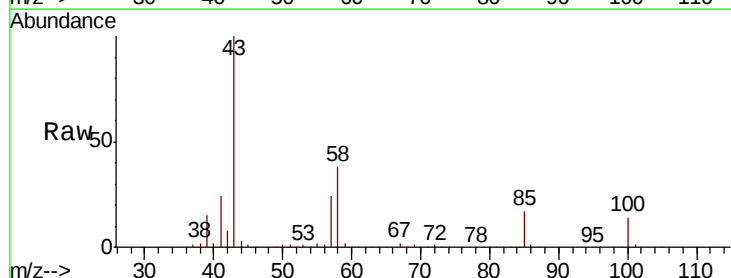
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB76

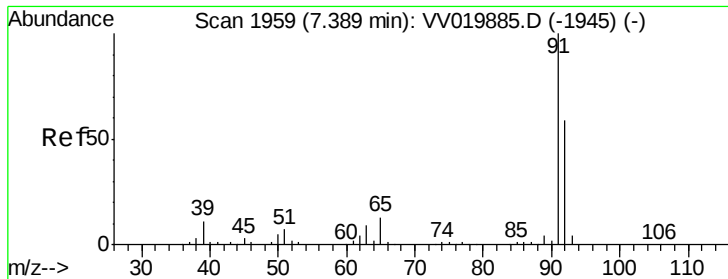
Tot Ion: 75 Resp: 333948
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 93.016 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VV019912.D
 Acq: 07 Jan 2021 10:12

Tgt Ion: 43 Resp: 640978
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.7 46.1
 100 14.2 11.6 17.4





#42

Toluene

Concen: 48.513 ug/L

RT: 7.39 min Scan# 1959

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

Instrument :

MSVOA_V

ClientSampleId :

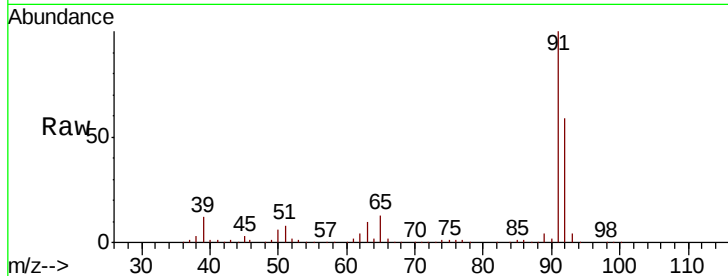
BFB76

Tot Ion: 91 Resp: 851614

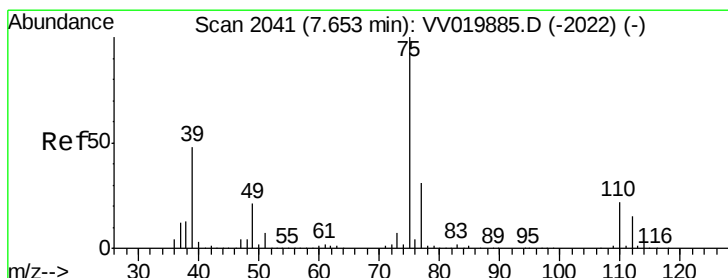
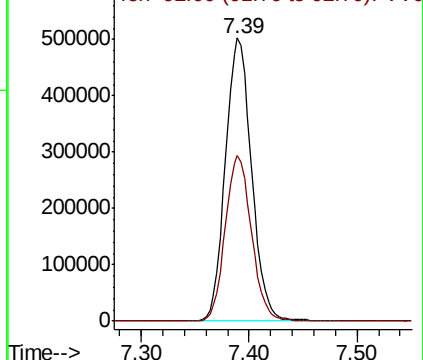
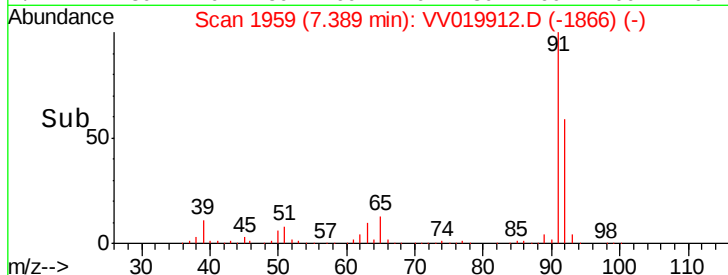
Ion Ratio Lower Upper

91 100

92 58.6 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VV019912.D (-1866) (-)



#44

trans-1,3-Dichloropropene

Concen: 48.406 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. 0.00 min

Lab File: VV019912.D

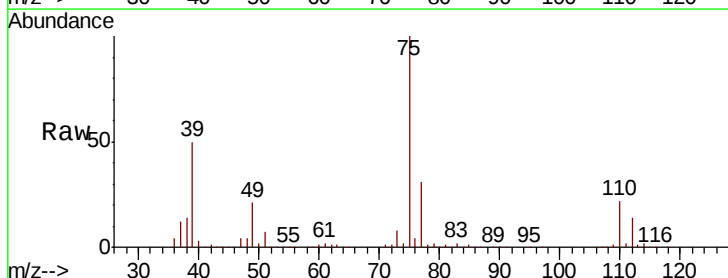
Acq: 07 Jan 2021 10:12

Tgt Ion: 75 Resp: 334678

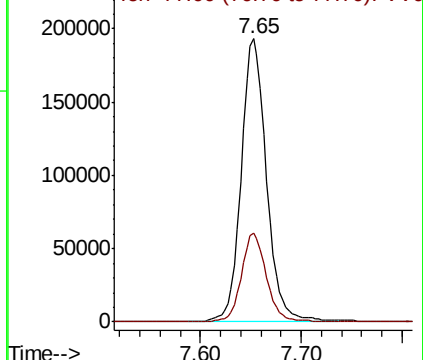
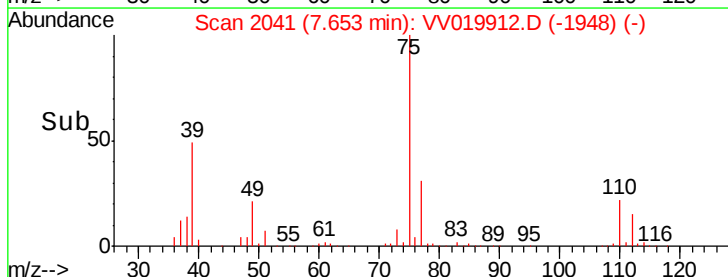
Ion Ratio Lower Upper

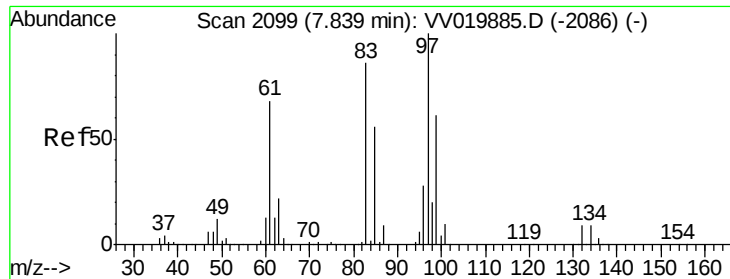
75 100

77 31.4 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV019912.D (-1948) (-)





#45

1,1,2-Trichloroethane

Concen: 47.164 ug/L

RT: 7.84 min Scan# 2099

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

Instrument :

MSVOA_V

ClientSampleId :

BFB76

Tot Ion: 97 Resp: 199099

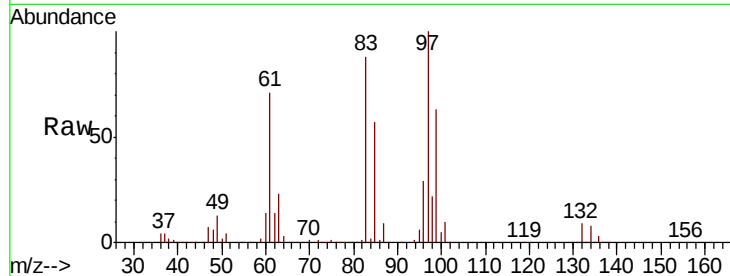
Ion Ratio Lower Upper

97 100

99 62.5 43.8 81.3

83 88.4 62.2 115.4

85 57.3 39.0 72.4

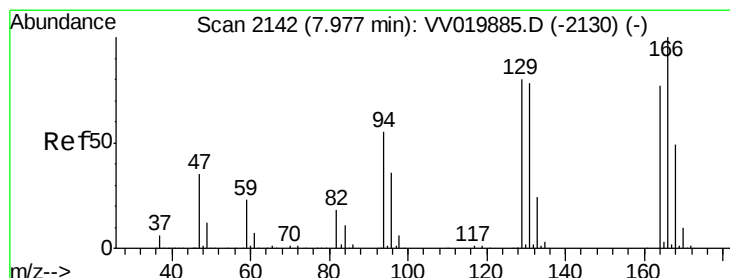
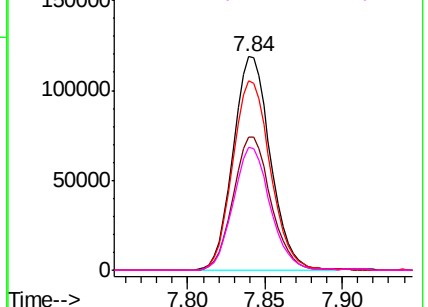
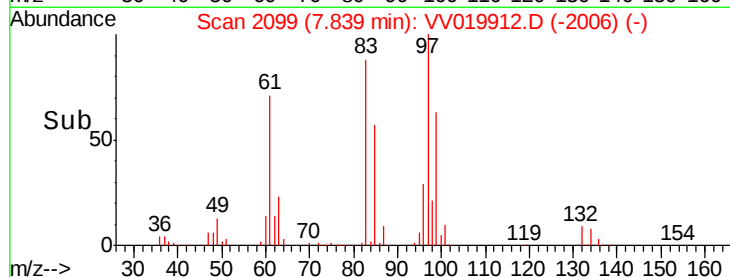


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 48.342 ug/L

RT: 7.98 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

Tgt Ion: 164 Resp: 146773

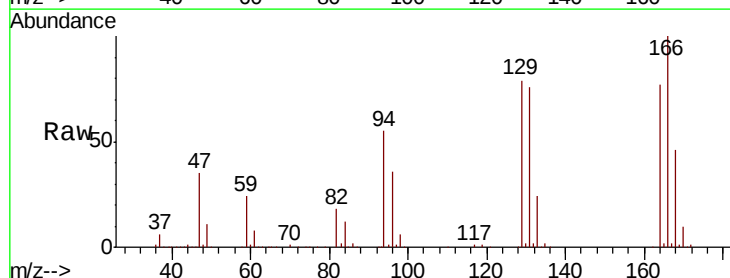
Ion Ratio Lower Upper

164 100

129 103.0 70.6 131.0

131 98.7 66.8 124.0

166 129.6 88.2 163.8

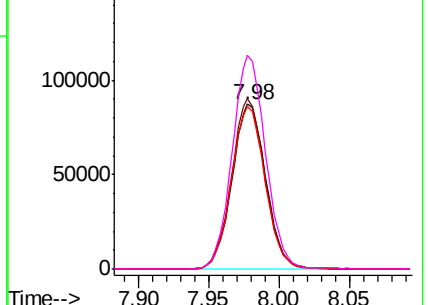
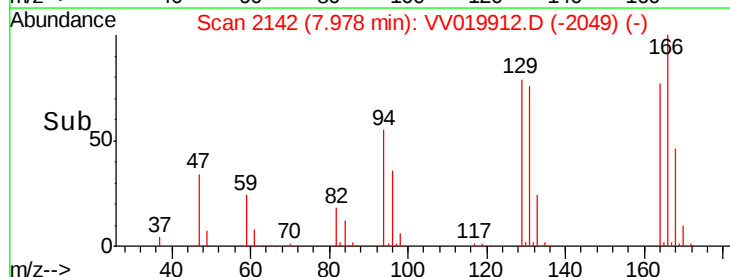


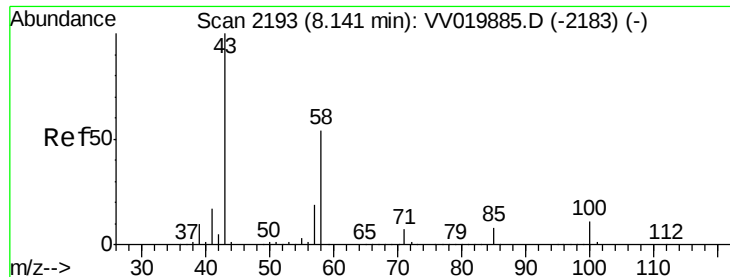
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

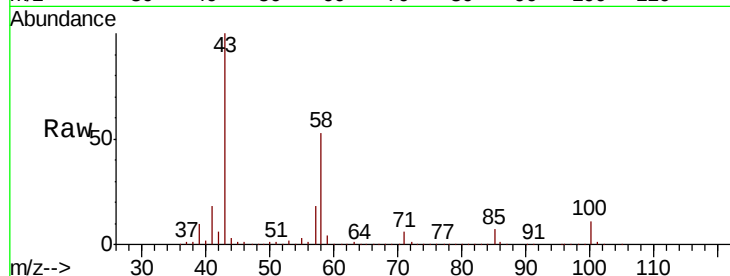




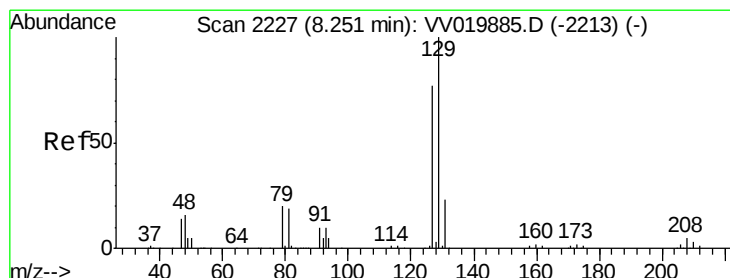
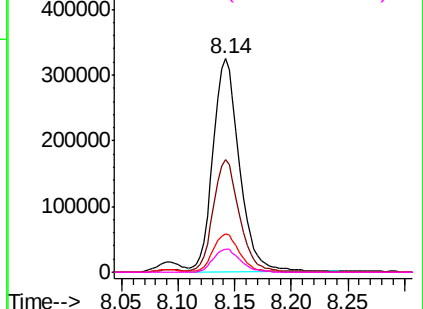
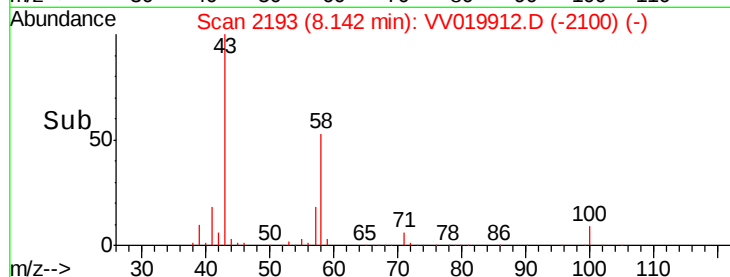
#48
2-Hexanone
Concen: 99.074 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VV019912.D
Acq: 07 Jan 2021 10:12

Instrument :
MSVOA_V
ClientSampleId :
BFB76

Tot Ion:	43	Resp:	527837
Ion	Ratio	Lower	Upper
43	100		
58	51.8	41.8	62.6
57	18.2	15.0	22.4
100	11.2	8.9	13.3

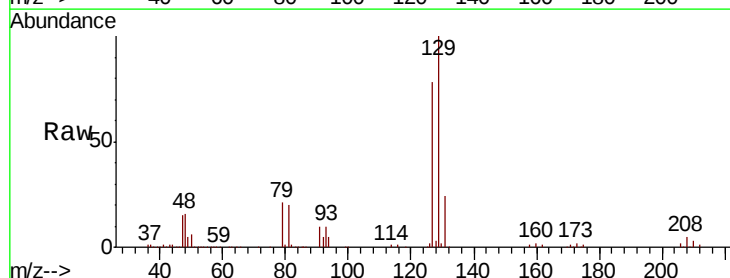


Abundance Ion 43.00 (42.70 to 43.70): VV019912.D (-2100) (-)
Ion 58.00 (57.70 to 58.70): VV019912.D (-2100) (-)
Ion 57.00 (56.70 to 57.70): VV019912.D (-2100) (-)
Ion 100.00 (99.70 to 100.70): VV019912.D (-2100) (-)

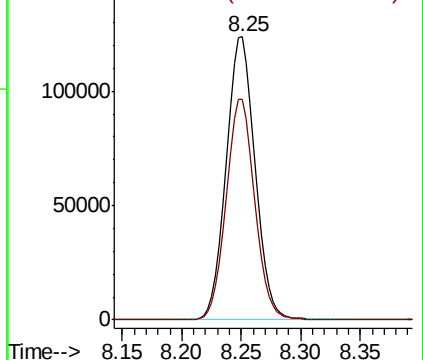
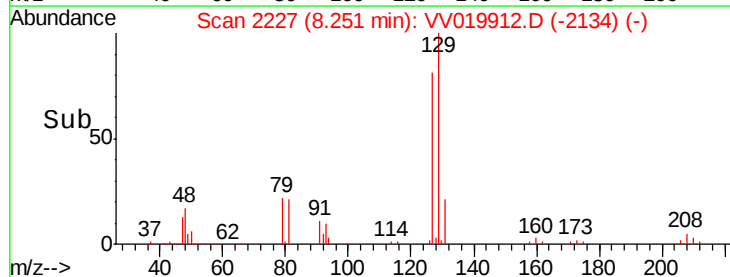


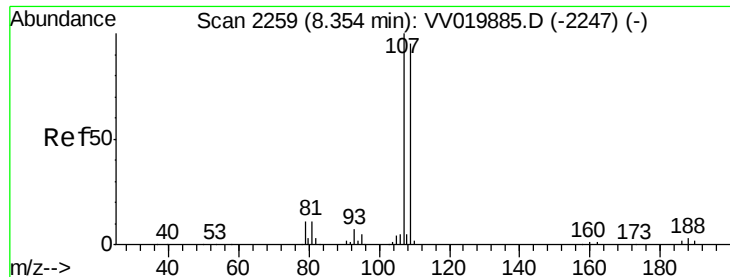
#49
Dibromochloromethane
Concen: 47.879 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. 0.00 min
Lab File: VV019912.D
Acq: 07 Jan 2021 10:12

Tgt Ion:	129	Resp:	208996
Ion	Ratio	Lower	Upper
129	100		
127	77.9	55.2	102.6



Abundance Ion 129.00 (128.70 to 129.70): VV019912.D (-2134) (-)
Ion 127.00 (126.70 to 127.70): VV019912.D (-2134) (-)

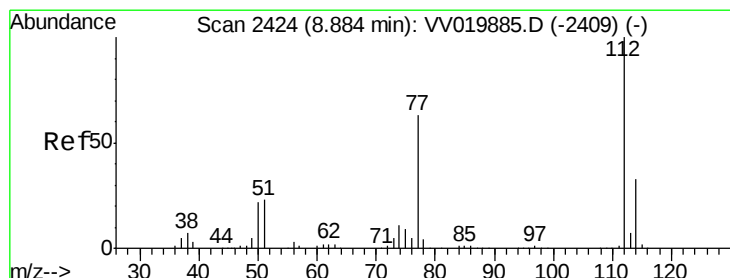
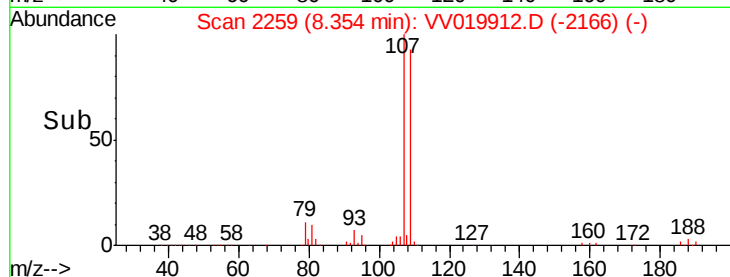
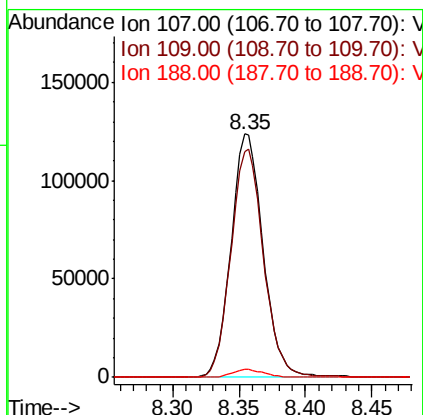
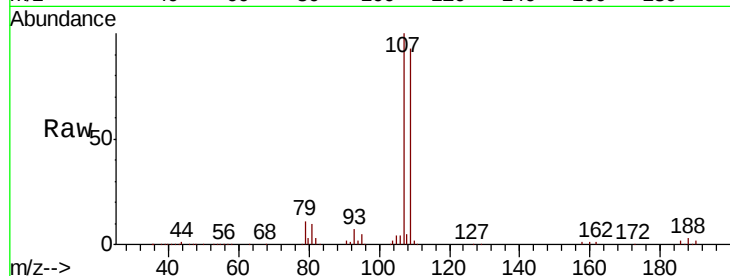




#50
1,2-Dibromoethane
Concen: 46.990 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.00 min
Lab File: VV019912.D
Acq: 07 Jan 2021 10:12

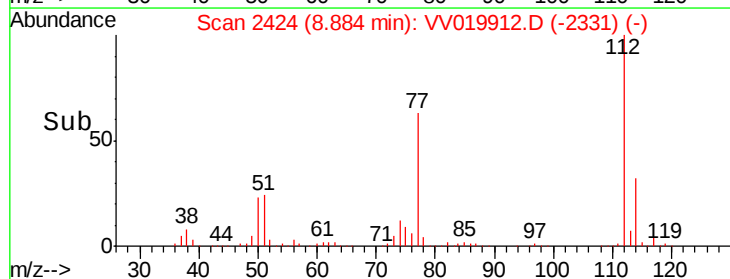
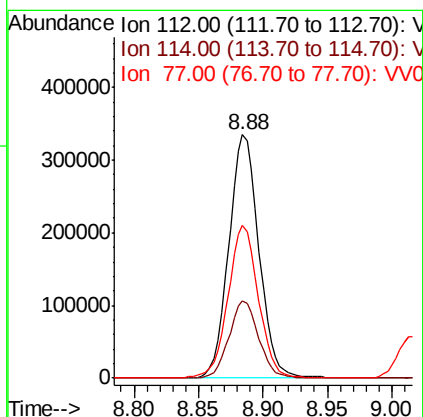
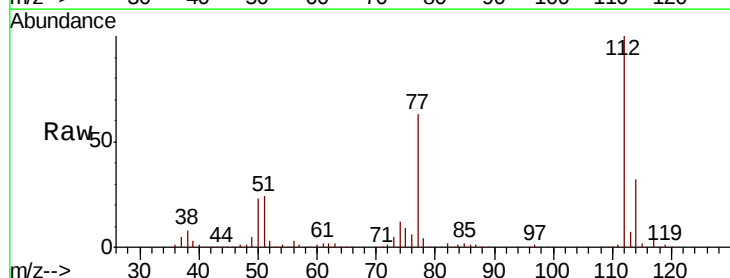
Instrument :
MSVOA_V
ClientSampleId :
BFB76

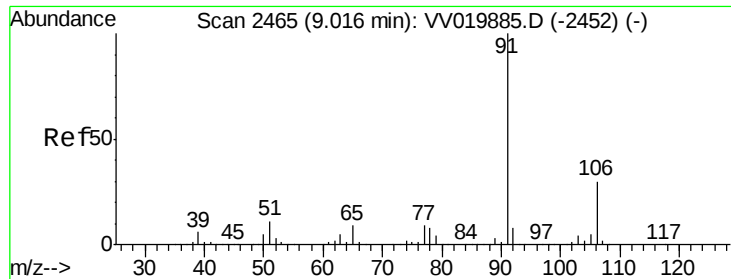
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	66.2	123.0
188	3.2	2.6	3.8



#51
Chlorobenzene
Concen: 48.370 ug/L
RT: 8.88 min Scan# 2424
Delta R.T. 0.00 min
Lab File: VV019912.D
Acq: 07 Jan 2021 10:12

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.2	41.2
77	62.9	49.0	73.6





#52

Ethylbenzene

Concen: 49.437 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

Instrument :

MSVOA_V

ClientSampleId :

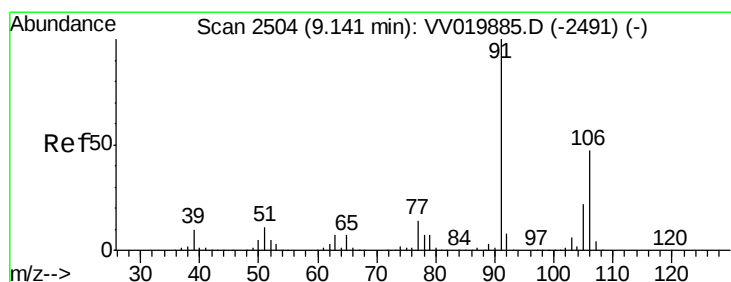
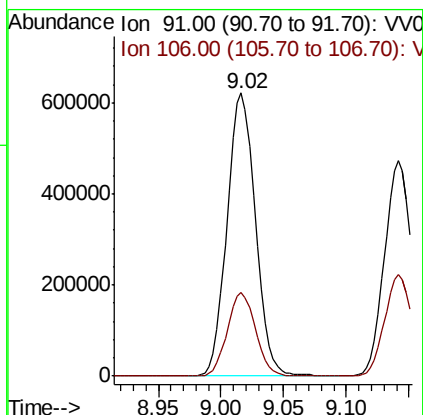
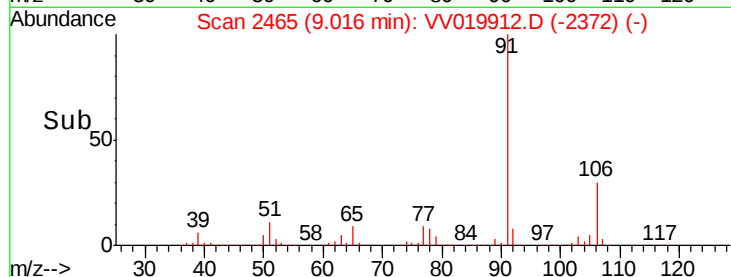
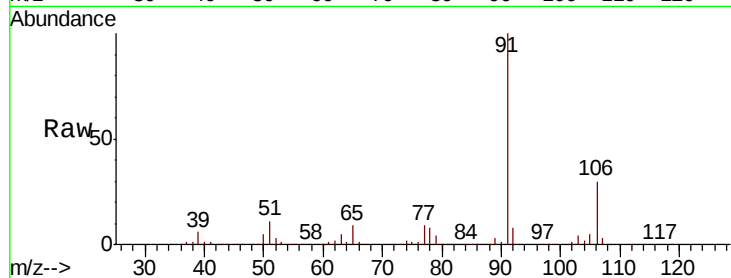
BFB76

Tot Ion: 91 Resp: 976570

Ion Ratio Lower Upper

91 100

106 29.5 21.0 39.0



#53

m,p-Xylene

Concen: 48.899 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VV019912.D

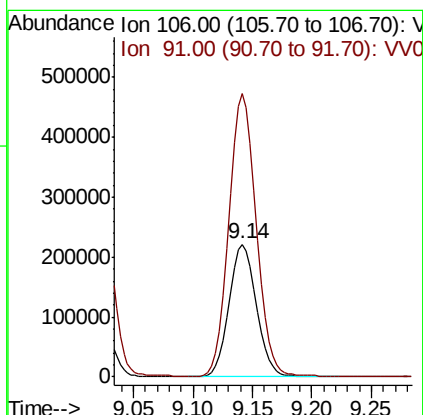
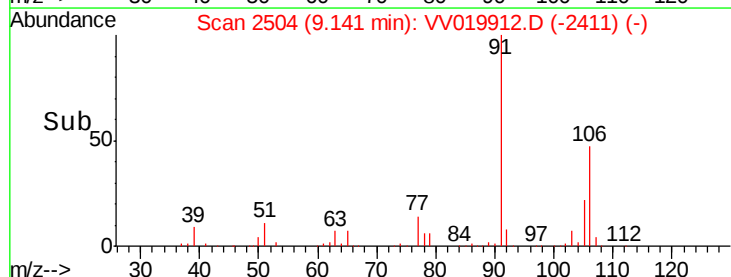
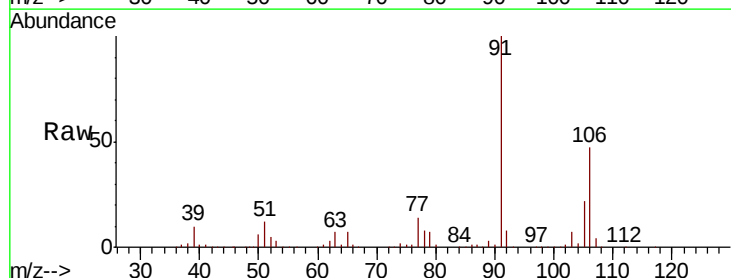
Acq: 07 Jan 2021 10:12

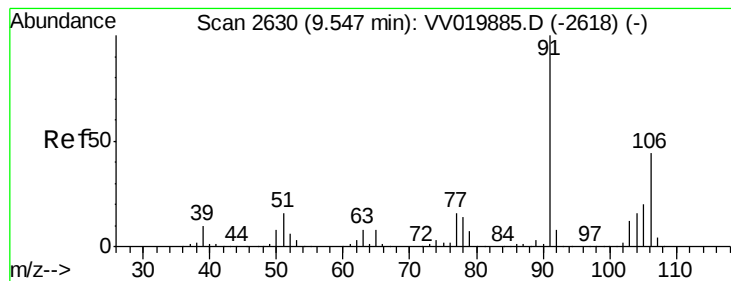
Tgt Ion: 106 Resp: 351826

Ion Ratio Lower Upper

106 100

91 213.1 148.1 275.0





#54

o-xylene

Concen: 49.352 ug/L

RT: 9.55 min Scan# 2630

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

Instrument :

MSVOA_V

ClientSampled :

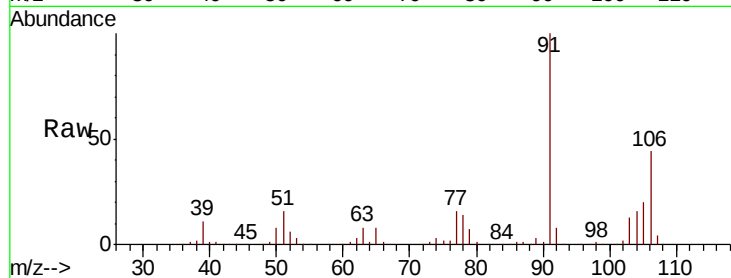
BFB76

Tot Ion:106 Resp: 347152

Ion Ratio Lower Upper

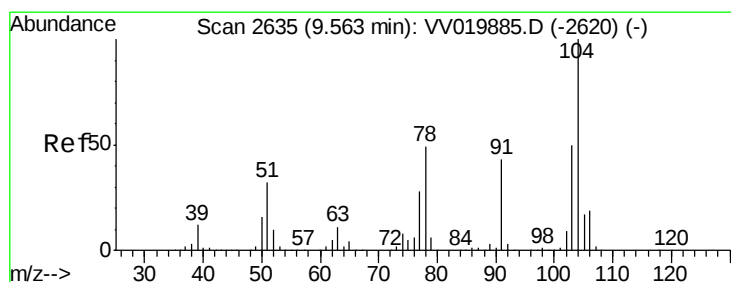
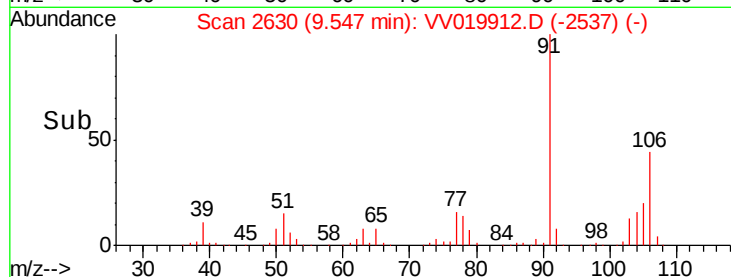
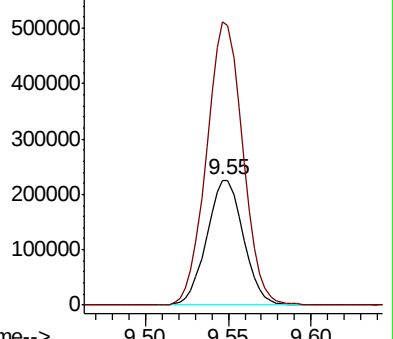
106 100

91 225.9 156.4 290.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 50.527 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV019912.D

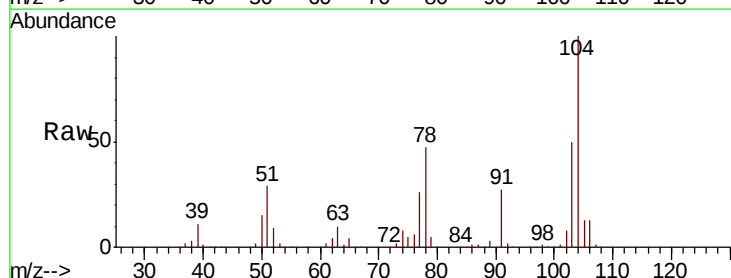
Acq: 07 Jan 2021 10:12

Tgt Ion:104 Resp: 617703

Ion Ratio Lower Upper

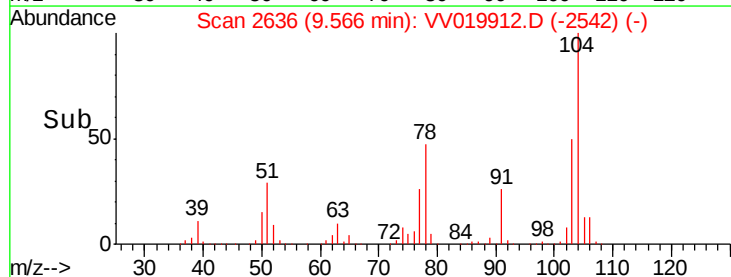
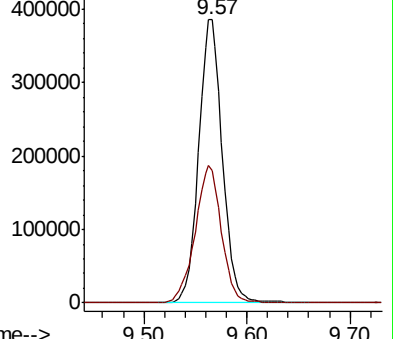
104 100

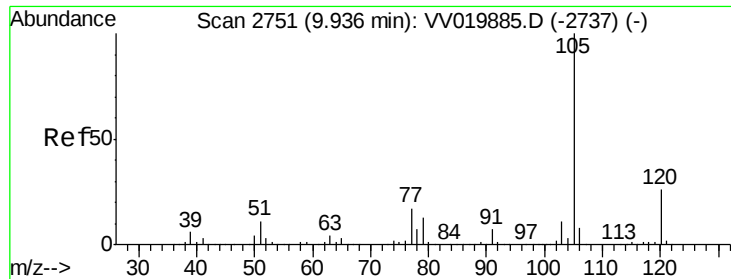
78 46.9 33.7 62.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.578 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

Instrument :

MSVOA_V

ClientSampleId :

BFB76

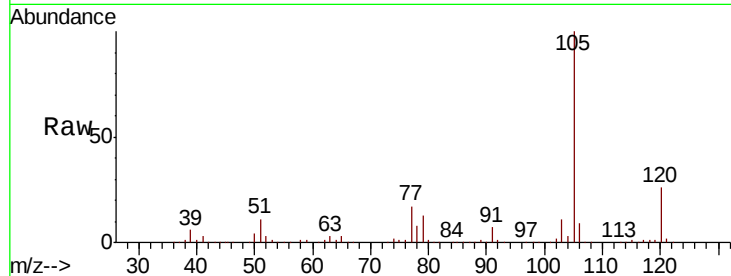
Tot Ion:105 Resp: 952830

Ion Ratio Lower Upper

105 100

120 25.8 20.5 30.7

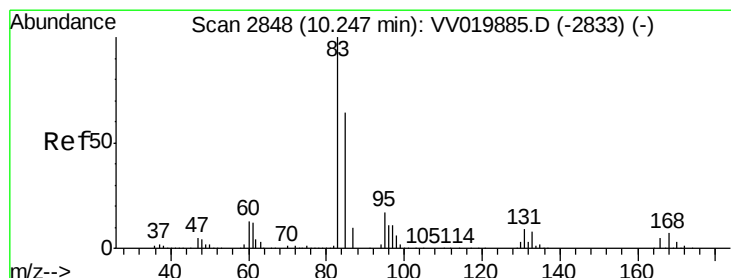
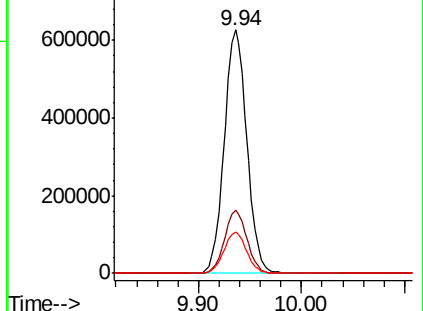
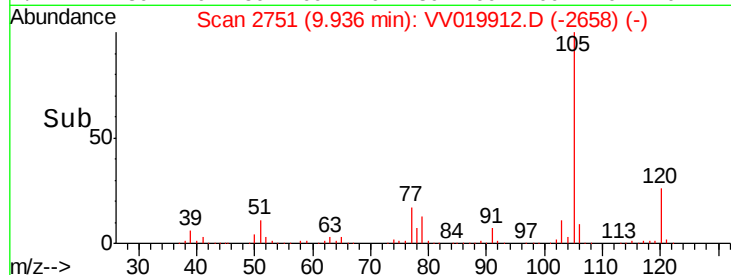
77 16.9 13.6 20.4



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: 47.780 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

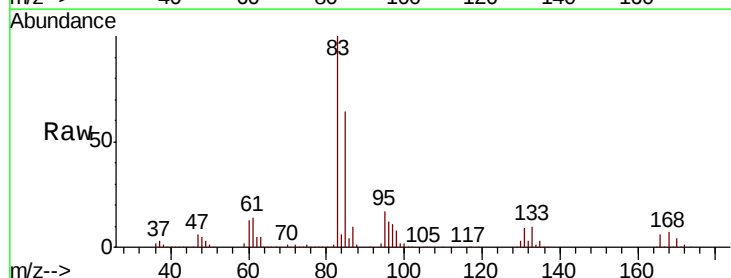
Tgt Ion: 83 Resp: 320362

Ion Ratio Lower Upper

83 100

85 63.7 44.3 82.3

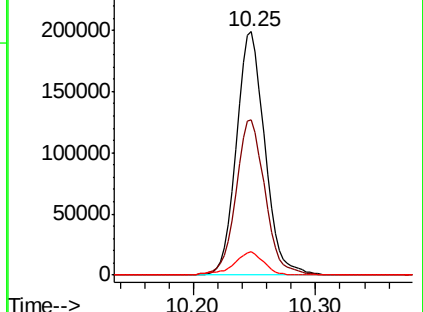
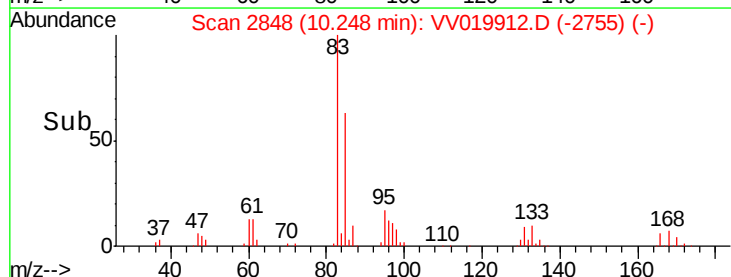
131 9.4 7.3 10.9

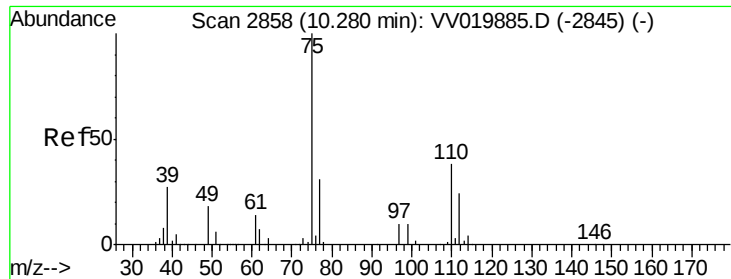


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.274 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

Instrument :

MSVOA_V

ClientSampleId :

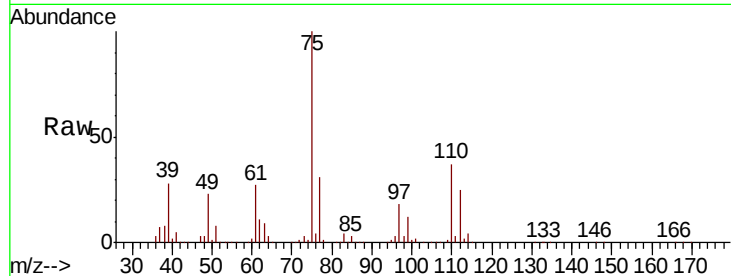
BFB76

Tot Ion: 75 Resp: 276579

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

200000

150000

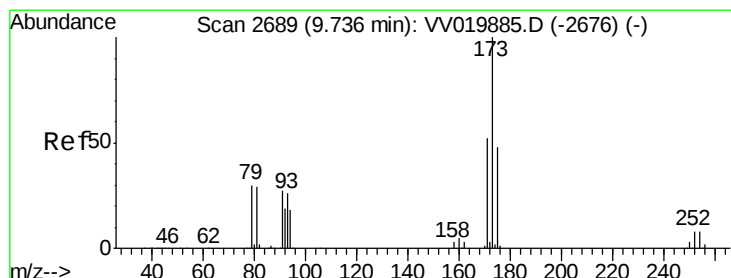
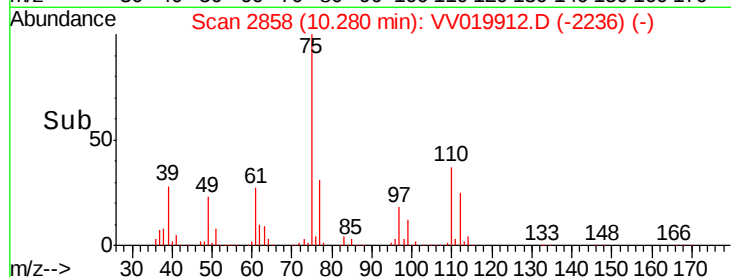
100000

50000

0

10.20 10.30

Time-->



#61

Bromoform

Concen: 46.485 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

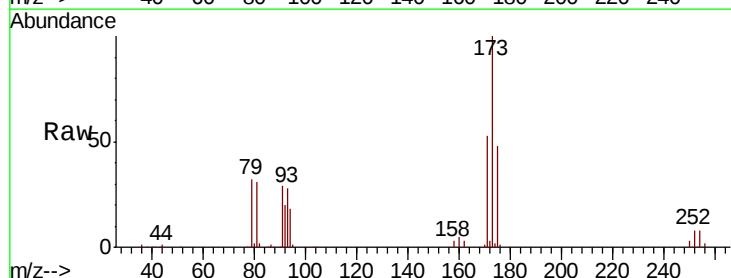
Tgt Ion: 173 Resp: 135982

Ion Ratio Lower Upper

173 100

175 47.8 38.6 57.8

254 7.8 6.5 9.7



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

100000

80000

60000

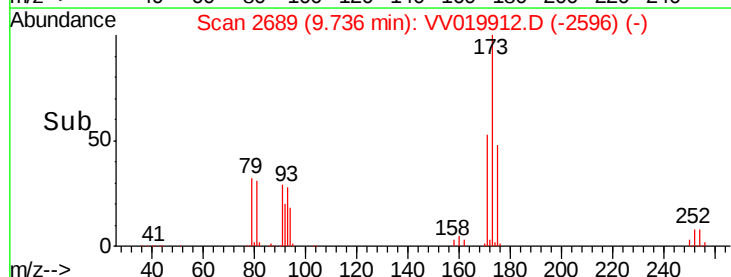
40000

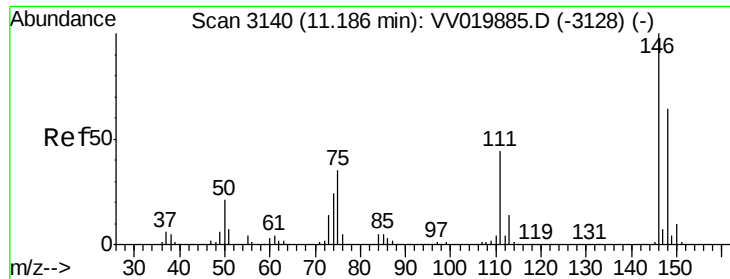
20000

0

9.70 9.80

Time-->





#62

1,3-Dichlorobenzene

Concen: 48.921 ug/L

RT: 11.19 min Scan# 3140

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

Instrument :

MSVOA_V

ClientSampleId :

BFB76

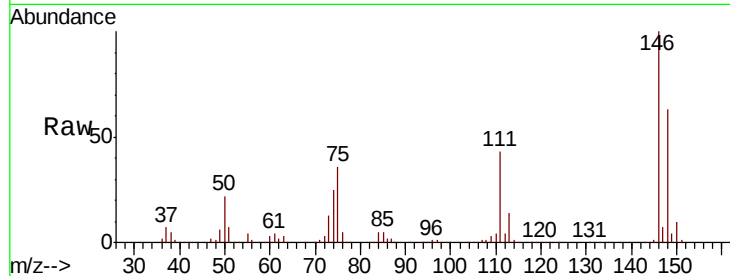
Tot Ion:146 Resp: 423601

Ion Ratio Lower Upper

146 100

111 42.6 30.2 56.2

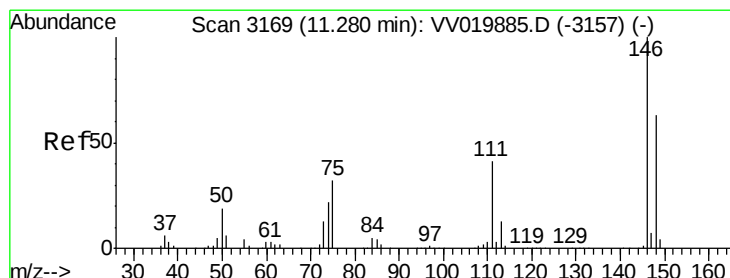
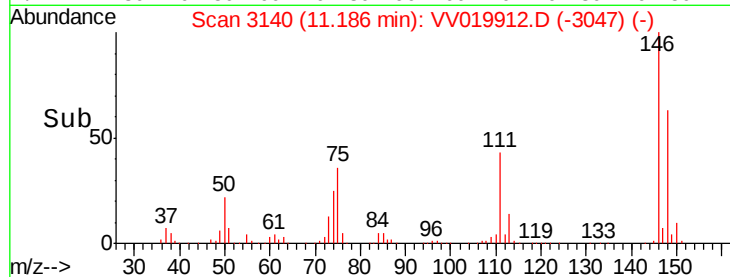
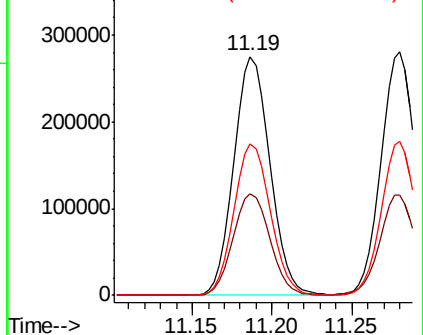
148 63.5 45.0 83.6



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: 48.474 ug/L

RT: 11.28 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

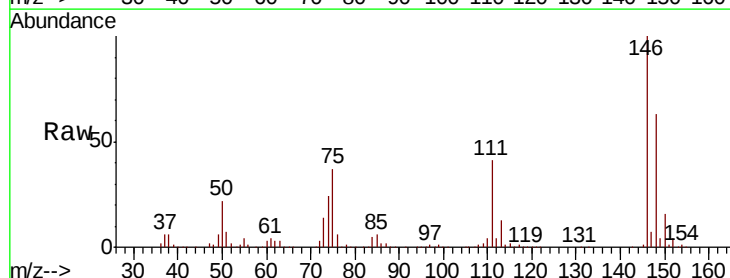
Tgt Ion:146 Resp: 431697

Ion Ratio Lower Upper

146 100

111 41.3 29.4 54.6

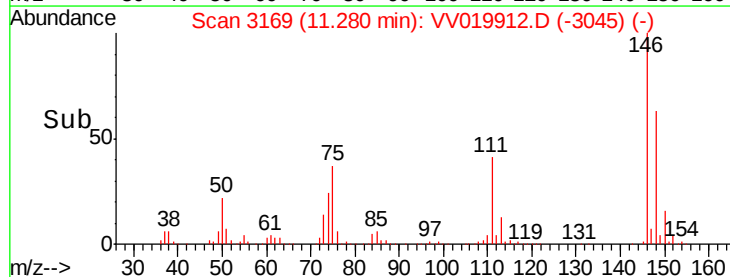
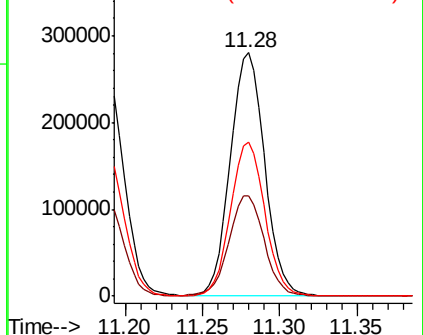
148 63.3 44.7 83.1

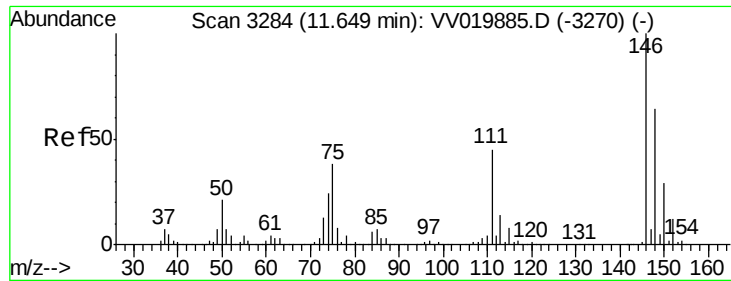


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 47.868 ug/L

RT: 11.65 min Scan# 3284

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

Instrument :

MSVOA_V

ClientSampleId :

BFB76

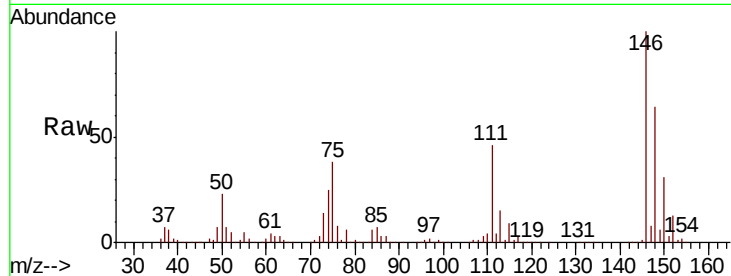
Tot Ion:146 Resp: 423102

Ion Ratio Lower Upper

146 100

111 45.6 36.3 54.5

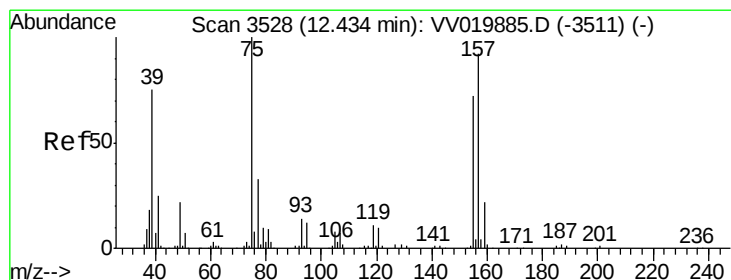
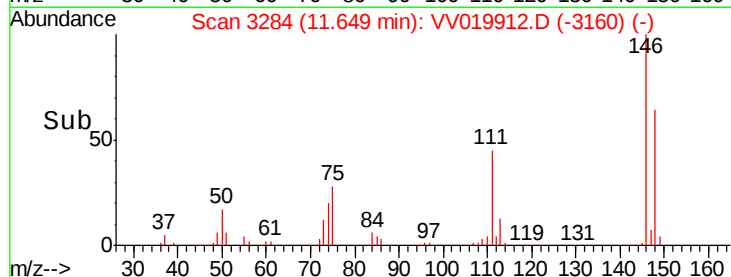
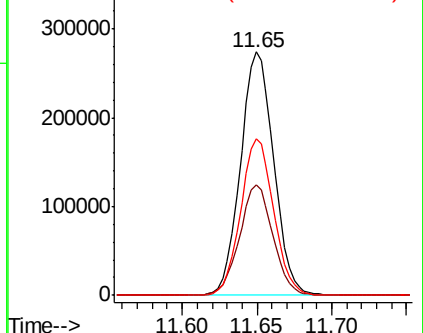
148 64.3 51.7 77.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 45.149 ug/L

RT: 12.44 min Scan# 3529

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

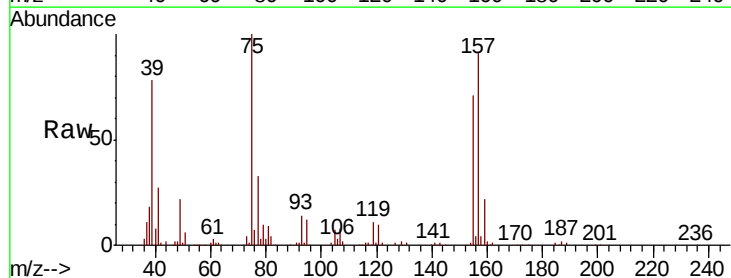
Tgt Ion: 75 Resp: 75962

Ion Ratio Lower Upper

75 100

155 70.7 59.1 88.7

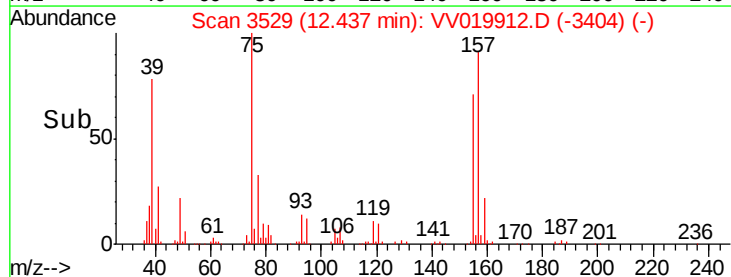
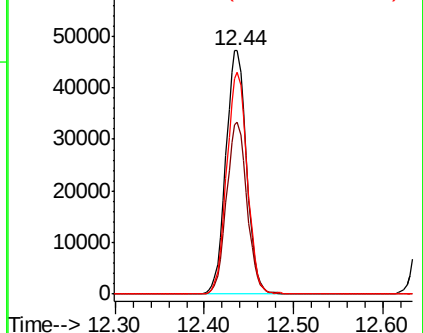
157 91.3 75.4 113.0

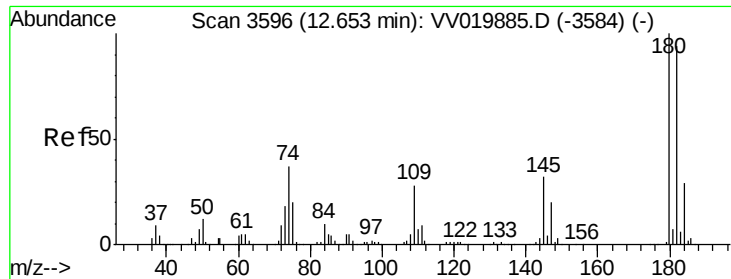


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

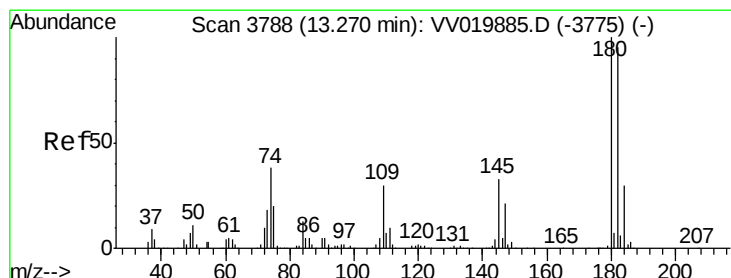
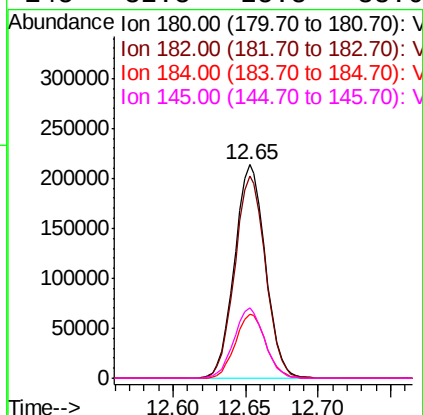
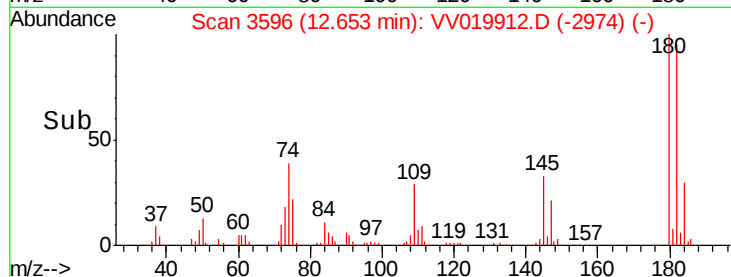
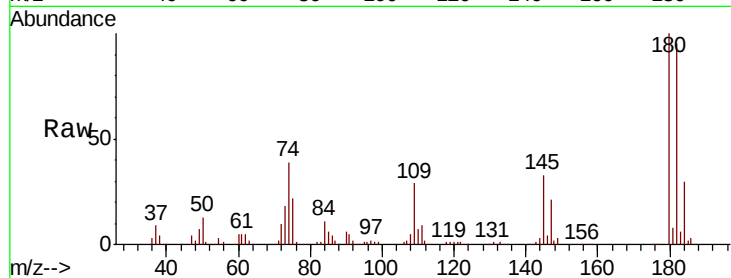




#67
 1,3,5-Trichlorobenzene
 Concen: 50.334 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VV019912.D
 Acq: 07 Jan 2021 10:12

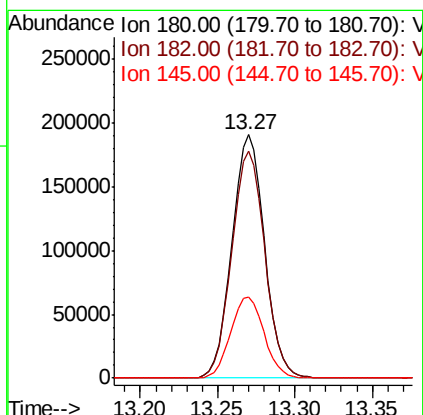
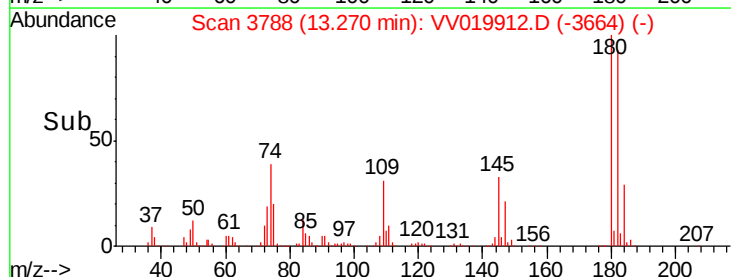
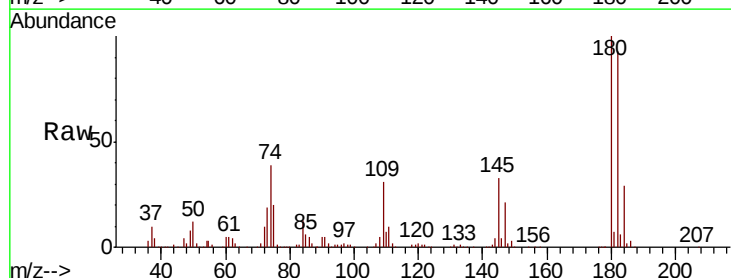
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB76

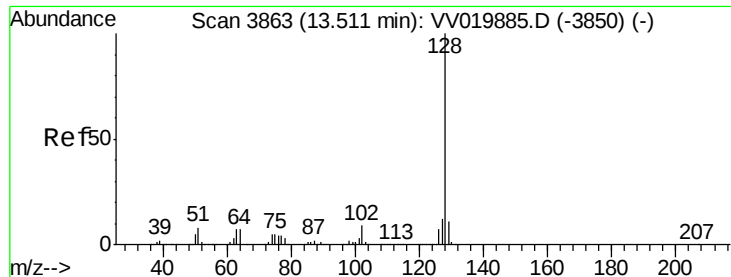
Tot Ion:180 Resp: 314453
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.0 112.6
 184 29.7 24.0 36.0
 145 32.8 25.8 38.6



#68
 1,2,4-trichlorobenzene
 Concen: 49.997 ug/L
 RT: 13.27 min Scan# 3788
 Delta R.T. 0.00 min
 Lab File: VV019912.D
 Acq: 07 Jan 2021 10:12

Tgt Ion:180 Resp: 278105
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.1 112.7
 145 34.1 26.8 40.2





#69

Naphthalene

Concen: 49.977 ug/L

RT: 13.51 min Scan# 3863

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

Instrument :

MSVOA_V

ClientSampleId :

BFB76

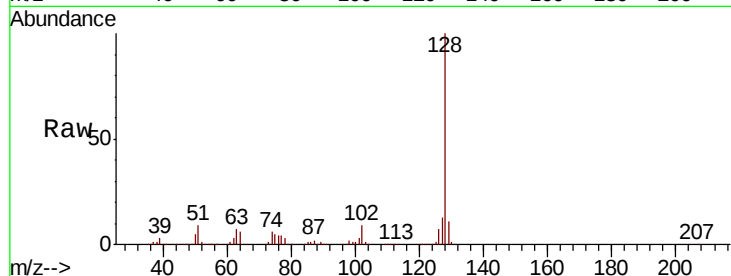
Tot Ion:128 Resp: 874386

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 10.9 8.6 13.0

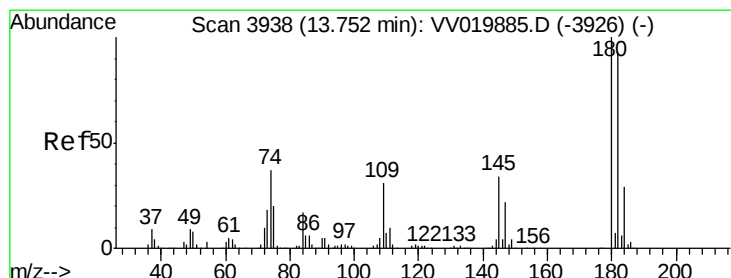
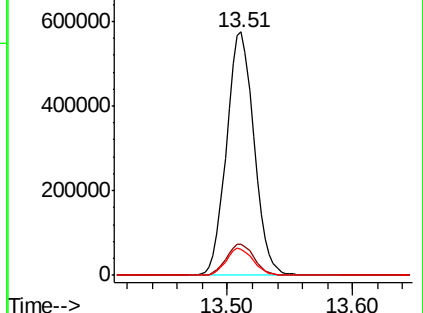
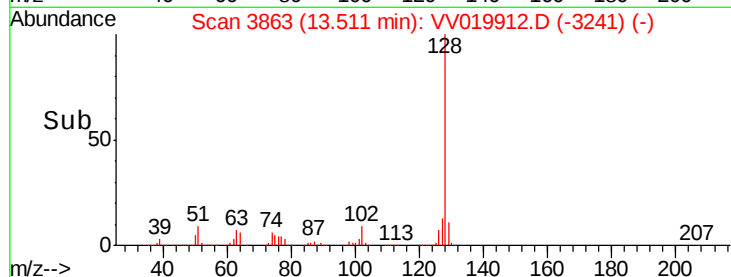


Abundance

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: 50.870 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. 0.00 min

Lab File: VV019912.D

Acq: 07 Jan 2021 10:12

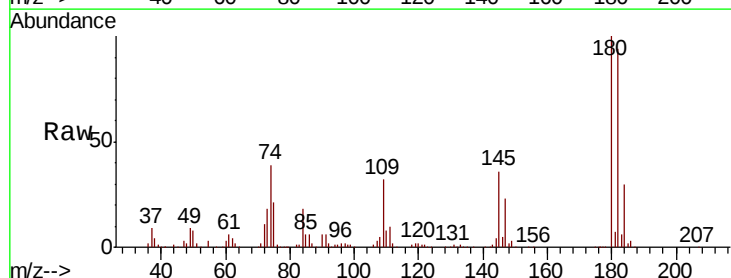
Tgt Ion:180 Resp: 275006

Ion Ratio Lower Upper

180 100

182 94.0 76.1 114.1

145 34.9 27.9 41.9



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

