

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010821\
 Data File : VV019937.D
 Acq On : 08 Jan 2021 09:26
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB77

Quant Time: Jan 08 22:35:53 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM122820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 08 01:32:18 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	553572	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	535885	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	279235	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	167821	39.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.36%
7) Chloroethane-d5	1.57	69	150846	44.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.11	63	364156	44.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.94%
21) 2-Butanone-d5	3.89	46	302094	95.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.15%
24) Chloroform-d	4.35	84	373301	46.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.24%
26) 1,2-Dichloroethane-d4	5.03	65	251601	47.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.12%
32) Benzene-d6	5.05	84	678643	43.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.96%
36) 1,2-Dichloropropane-d6	6.07	67	221724	43.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.40%
41) Toluene-d8	7.32	98	598020	43.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.08%
43) trans-1,3-Dichloropropene-	7.62	79	109155	43.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.56%
47) 2-Hexanone-d5	8.09	63	195328	93.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.14%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	310297	47.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.04%
64) 1,2-Dichlorobenzene-d4	11.63	152	237607	44.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.98%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	203591	47.378	ug/L 99
3) Chloromethane	1.24	50	233957	44.455	ug/L 99
5) Vinyl chloride	1.31	62	234001	45.508	ug/L 99
6) Bromomethane	1.52	94	142311	45.686	ug/L 96
8) Chloroethane	1.59	64	152158	47.600	ug/L 99
9) Trichlorofluoromethane	1.75	101	317966	51.045	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	180491	51.448	ug/L 99
12) 1,1-Dichloroethene	2.12	96	169107	48.038	ug/L 90
13) Acetone	2.19	43	323296	131.529	ug/L 98
14) Carbon disulfide	2.30	76	480237	41.876	ug/L 99
15) Methyl Acetate	2.43	43	226594	45.371	ug/L 98
16) Methylene chloride	2.51	84	202422	45.784	ug/L 99
17) trans-1,2-Dichloroethene	2.76	96	180211	45.755	ug/L 97
18) Methyl tert-butyl Ether	2.77	73	618219	46.489	ug/L 100
19) 1,1-Dichloroethane	3.19	63	374487	47.118	ug/L 99
20) cis-1,2-Dichloroethene	3.91	96	199823	46.372	ug/L 100
22) 2-Butanone	3.97	43	370339	107.316	ug/L 97

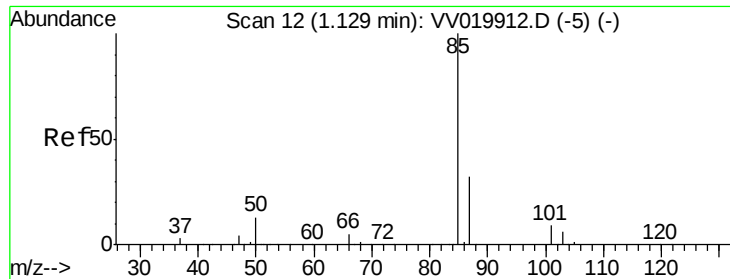
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010821\
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 Quant Title : VOC Analysis
 QLast Update : Fri Jan 08 01:32:18 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	96262	45.211	ug/L	99
25) Chloroform	4.38	83	378947	48.332	ug/L	98
27) 1,2-Dichloroethane	5.13	62	316860	49.018	ug/L	100
29) Cyclohexane	4.68	56	316721	46.162	ug/L	100
30) 1,1,1-Trichloroethane	4.61	97	325932	47.505	ug/L	99
31) Carbon tetrachloride	4.83	117	267041	47.298	ug/L	100
33) Benzene	5.10	78	786933	46.688	ug/L	100
34) Trichloroethene	5.92	95	208661	46.664	ug/L	99
35) Methylcyclohexane	6.14	83	313187	46.704	ug/L	98
37) 1,2-Dichloropropane	6.17	63	210835	46.580	ug/L	98
38) Bromodichloromethane	6.51	83	283073	47.836	ug/L	99
39) cis-1,3-Dichloropropene	7.03	75	329627	47.279	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	635391	93.749	ug/L	98
42) Toluene	7.39	91	818747	47.421	ug/L	99
44) trans-1,3-Dichloropropene	7.65	75	315604	46.411	ug/L	100
45) 1,1,2-Trichloroethane	7.84	97	193359	46.571	ug/L	98
46) Tetrachloroethene	7.98	164	137475	46.037	ug/L	97
48) 2-Hexanone	8.14	43	517660	98.791	ug/L	99
49) Dibromochloromethane	8.25	129	201329	46.895	ug/L	99
50) 1,2-Dibromoethane	8.35	107	200373	45.983	ug/L	99
51) Chlorobenzene	8.88	112	522735	47.479	ug/L	98
52) Ethylbenzene	9.02	91	944571	48.618	ug/L	100
53) m,p-Xylene	9.14	106	341398	48.244	ug/L	99
54) o-xylene	9.55	106	332917	48.121	ug/L	99
55) Styrene	9.57	104	593330	49.345	ug/L	100
56) Isopropylbenzene	9.94	105	907181	48.961	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.25	83	312726	47.422	ug/L	98
59) 1,2,3-Trichloropropane	10.28	75	268313	46.629	ug/L	100
61) Bromoform	9.74	173	129145	44.970	ug/L	100
62) 1,3-Dichlorobenzene	11.19	146	409163	48.133	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	415779	47.556	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	411041	47.370	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	74432	45.064	ug/L	94
67) 1,3,5-Trichlorobenzene	12.65	180	295845	48.238	ug/L	98
68) 1,2,4-trichlorobenzene	13.27	180	267215	48.934	ug/L	100
69) Naphthalene	13.51	128	835784	48.660	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	260114	49.011	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 47.378 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

Instrument :

MSVOA_V

ClientSampleId :

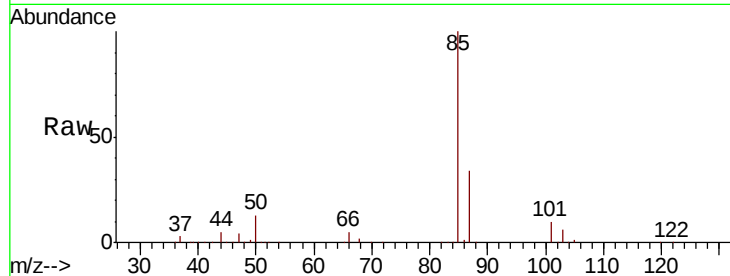
BFB77

Tot Ion: 85 Resp: 203591

Ion Ratio Lower Upper

85 100

87 33.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV019937.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV019937.D (-1) (-)

1.13

250000

200000

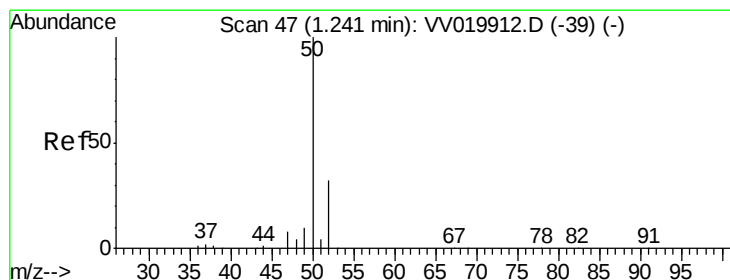
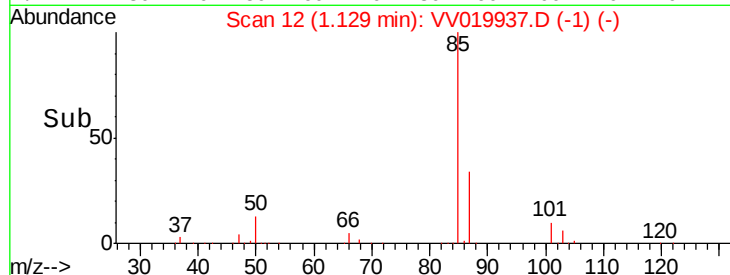
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 44.455 ug/L

RT: 1.24 min Scan# 47

Delta R.T. -0.00 min

Lab File: VV019937.D

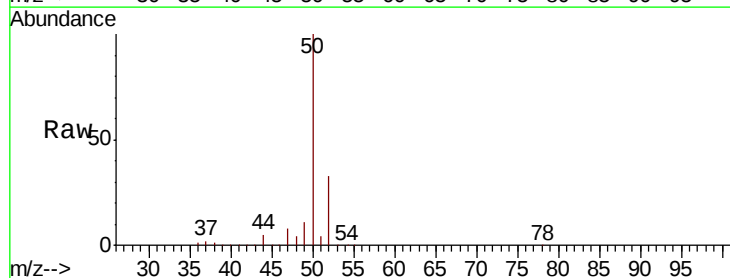
Acq: 08 Jan 2021 09:26

Tgt Ion: 50 Resp: 233957

Ion Ratio Lower Upper

50 100

52 33.1 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV019937.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV019937.D (-1) (-)

1.24

250000

200000

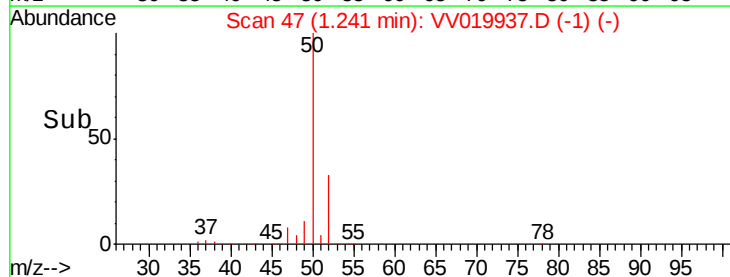
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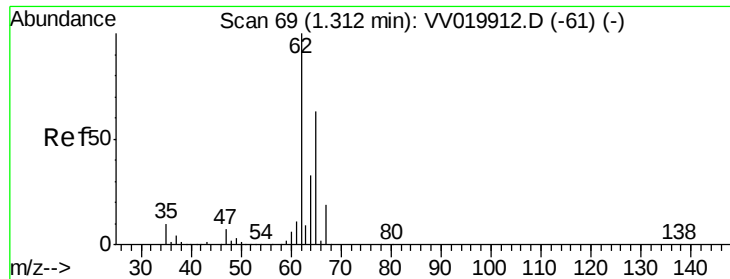
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 45.508 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

Instrument :

MSVOA_V

ClientSampleId :

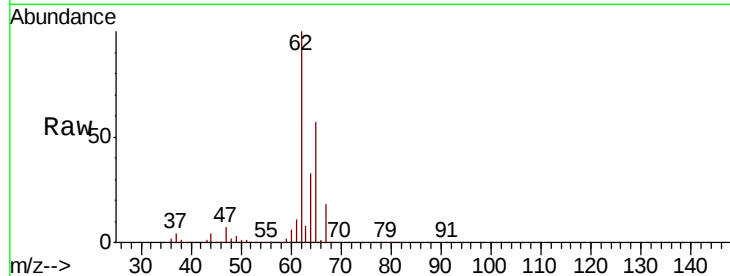
BFB77

Tot Ion: 62 Resp: 234001

Ion Ratio Lower Upper

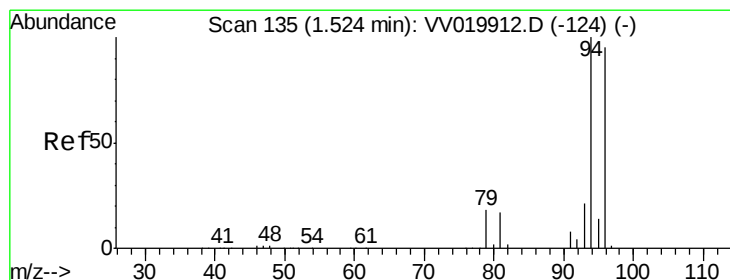
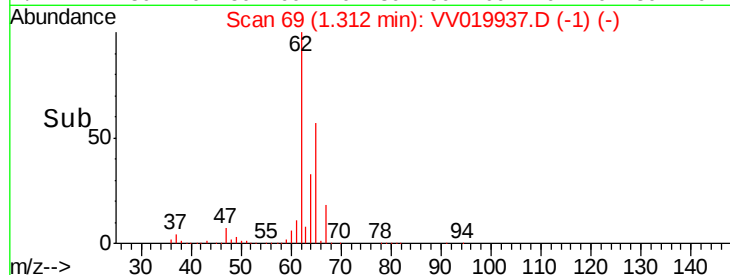
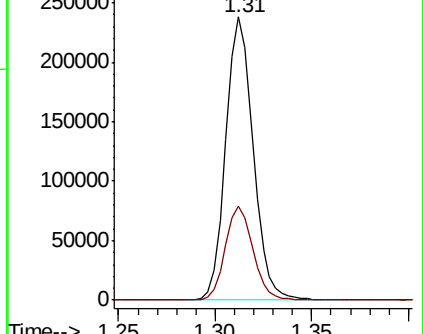
62 100

64 33.1 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 45.686 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV019937.D

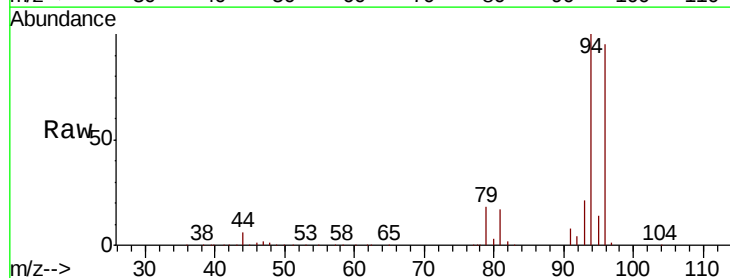
Acq: 08 Jan 2021 09:26

Tgt Ion: 94 Resp: 142311

Ion Ratio Lower Upper

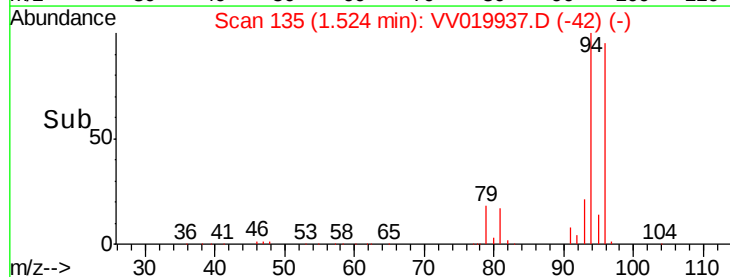
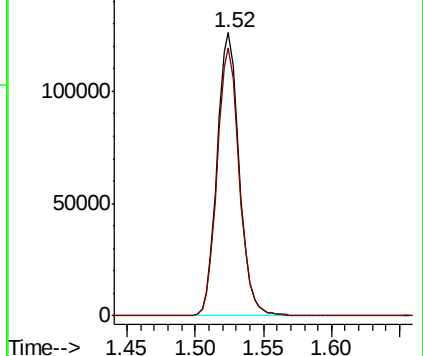
94 100

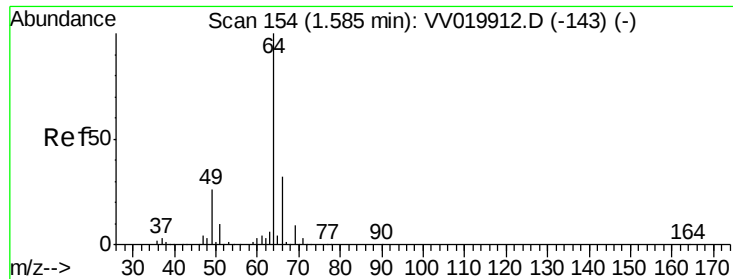
96 94.9 63.6 118.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 47.600 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

Instrument :

MSVOA_V

ClientSampleId :

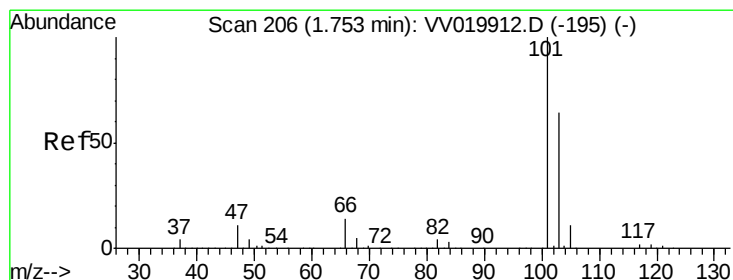
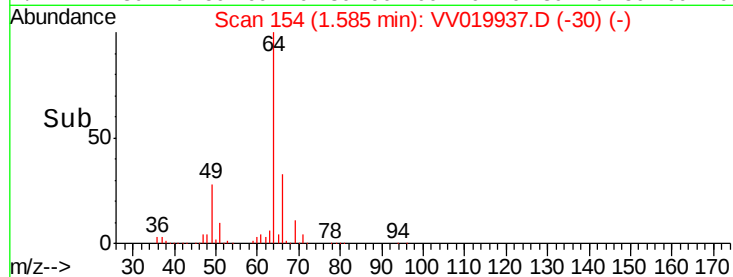
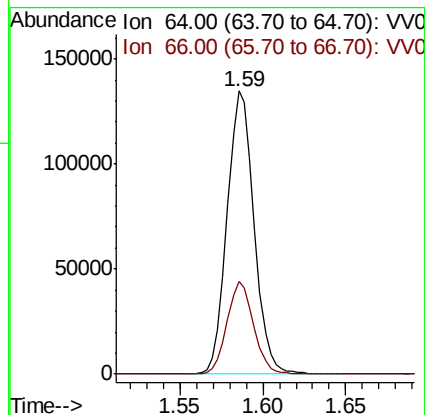
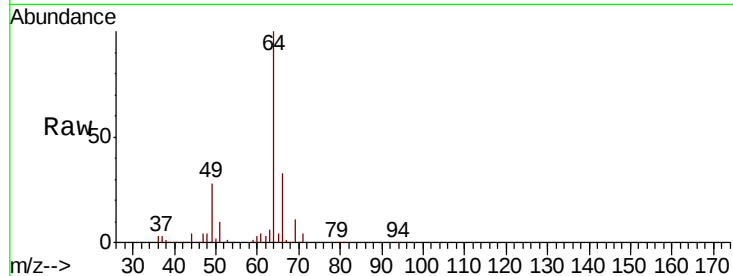
BFB77

Tot Ion: 64 Resp: 152158

Ion Ratio Lower Upper

64 100

66 32.6 22.4 41.6



#9

Trichlorofluoromethane

Concen: 51.045 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.00 min

Lab File: VV019937.D

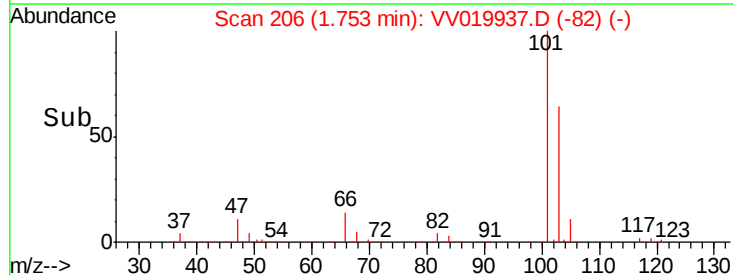
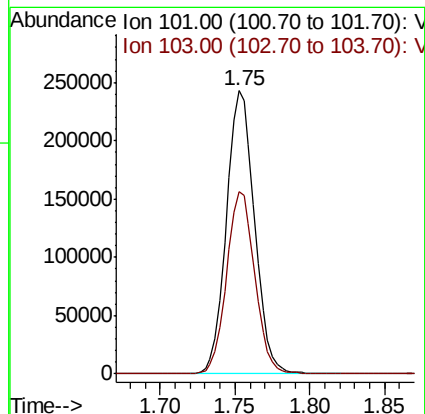
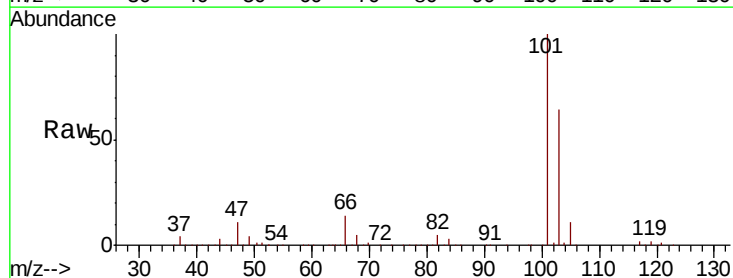
Acq: 08 Jan 2021 09:26

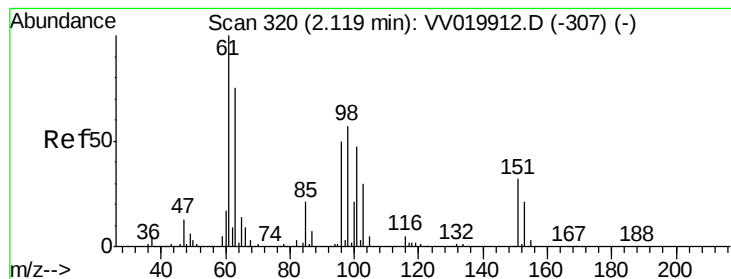
Tgt Ion: 101 Resp: 317966

Ion Ratio Lower Upper

101 100

103 64.5 51.7 77.5





#10

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

Concen: 51.448 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

Instrument :

MSVOA_V

ClientSampleId :

BFB77

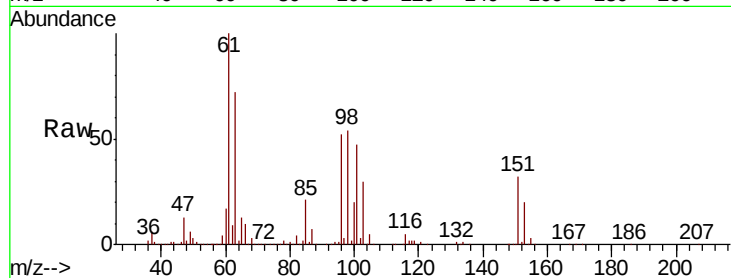
Tot Ion:101 Resp: 180491

Ion Ratio Lower Upper

101 100

85 46.0 35.3 52.9

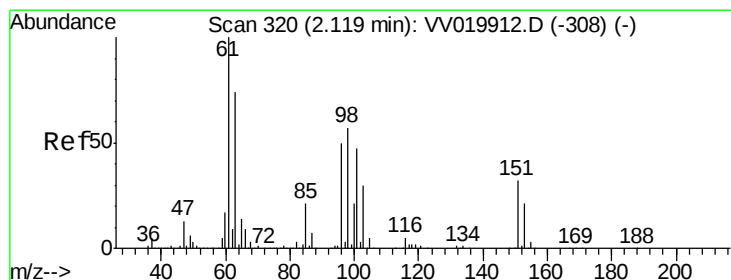
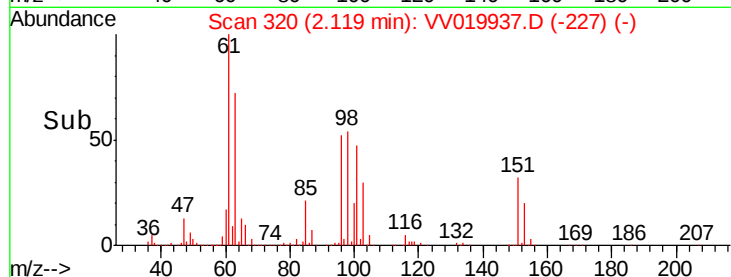
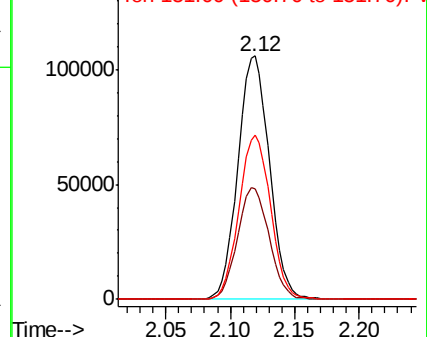
151 67.4 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.038 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

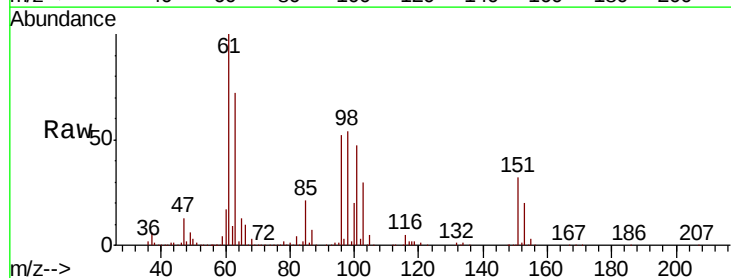
Tgt Ion: 96 Resp: 169107

Ion Ratio Lower Upper

96 100

61 192.5 134.9 250.5

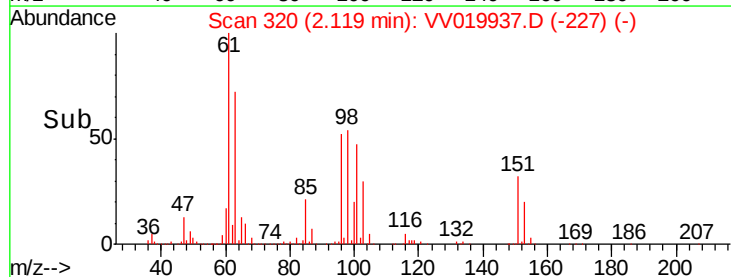
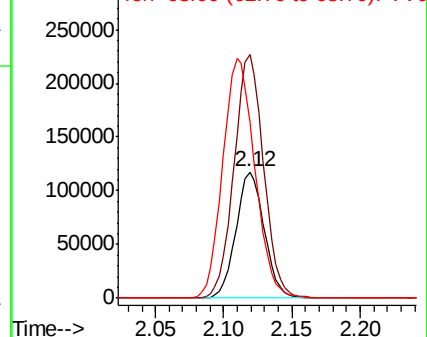
63 138.6 117.6 218.4

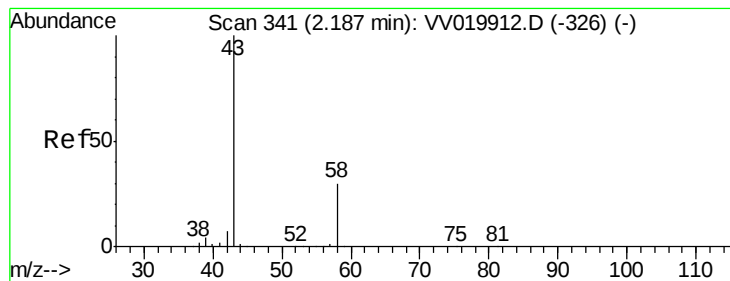


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 131.529 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

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ClientSampleId :

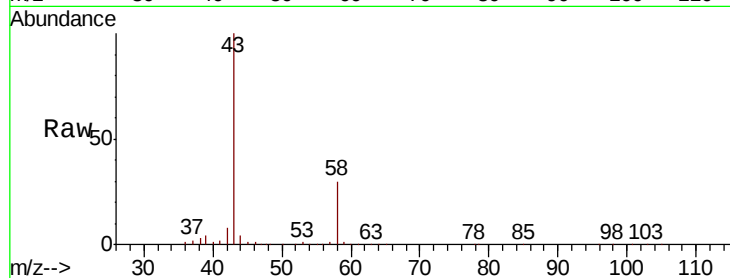
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Tot Ion: 43 Resp: 323296

Ion Ratio Lower Upper

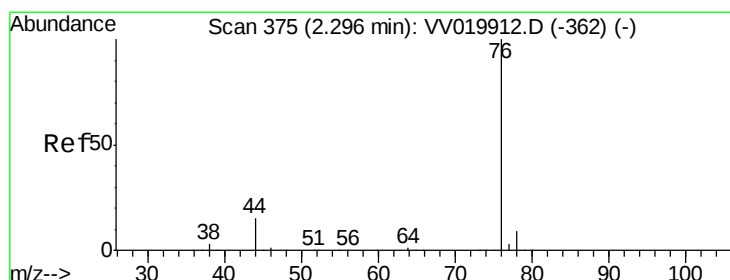
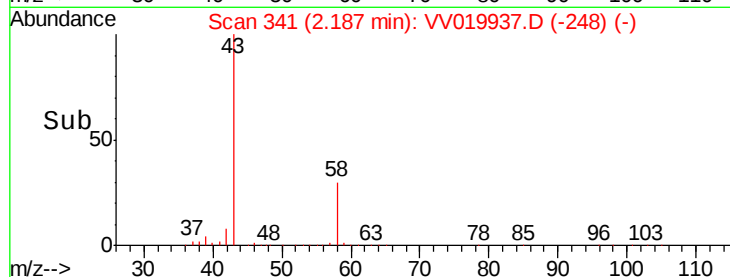
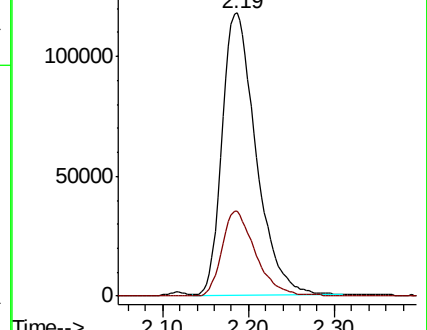
43 100

58 29.2 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV019912.D (-326) (-)

Ion 58.00 (57.70 to 58.70): VV019912.D (-326) (-)



#14

Carbon disulfide

Concen: 41.876 ug/L

RT: 2.30 min Scan# 375

Delta R.T. -0.00 min

Lab File: VV019937.D

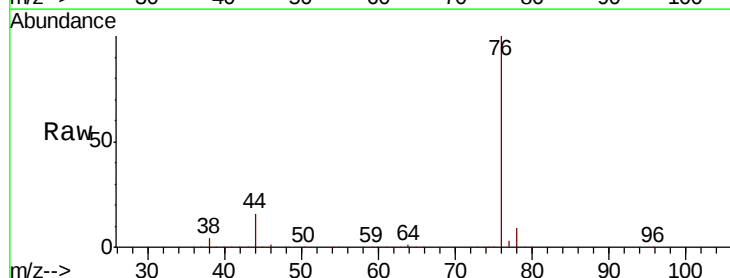
Acq: 08 Jan 2021 09:26

Tgt Ion: 76 Resp: 480237

Ion Ratio Lower Upper

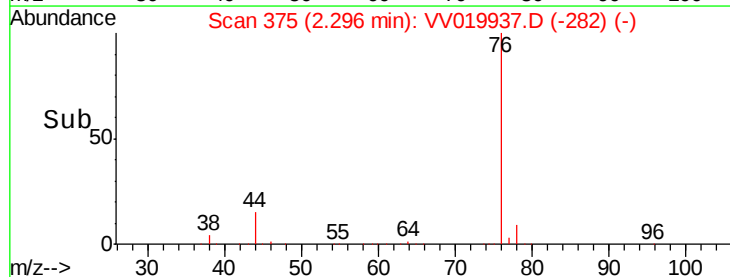
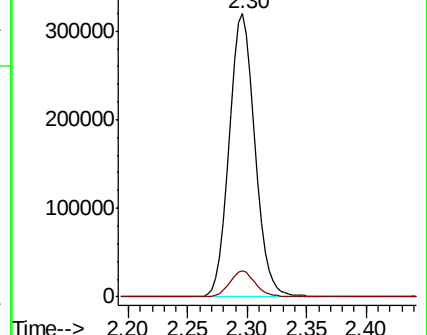
76 100

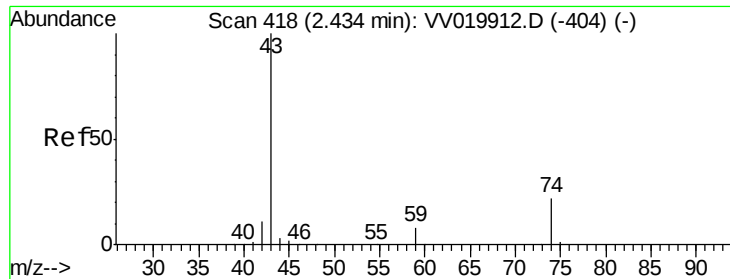
78 9.3 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV019912.D (-362) (-)

Ion 78.00 (77.70 to 78.70): VV019912.D (-362) (-)

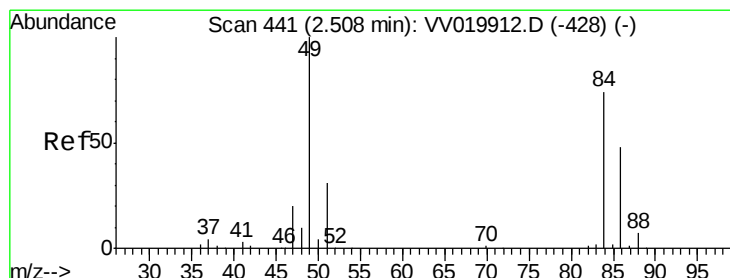
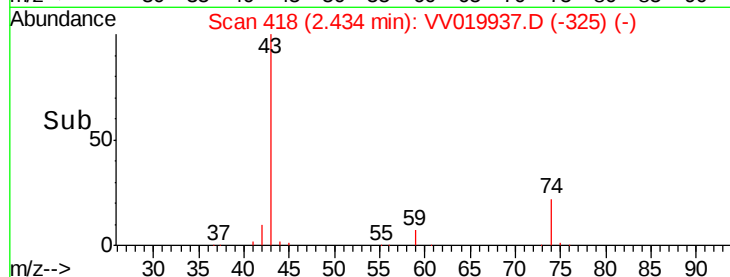
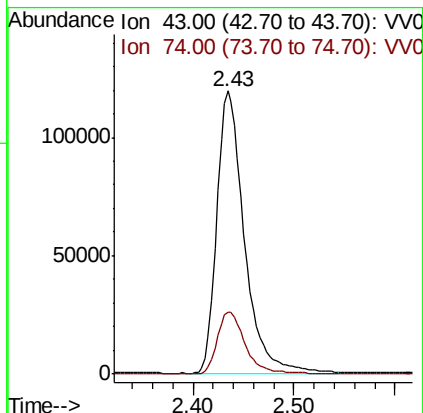
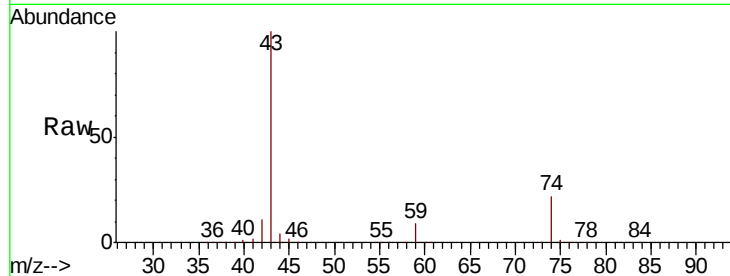




#15
Methvl Acetate
Concen: 45.371 ug/L
RT: 2.43 min Scan# 418
Delta R.T. -0.00 min
Lab File: VV019937.D
Acq: 08 Jan 2021 09:26

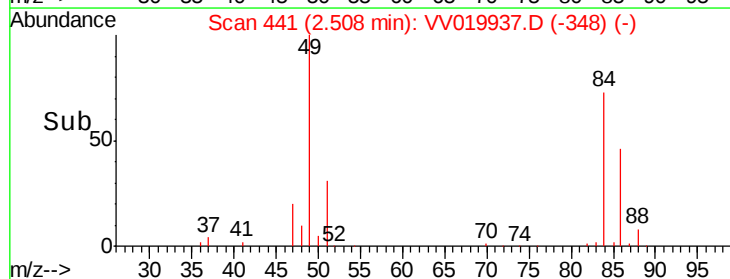
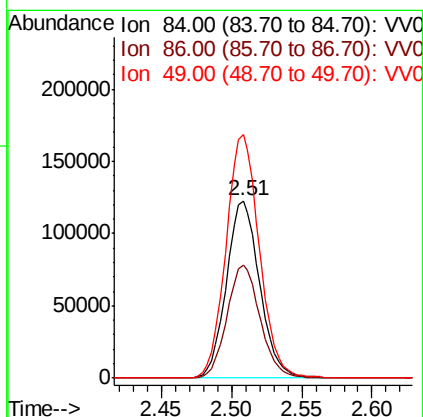
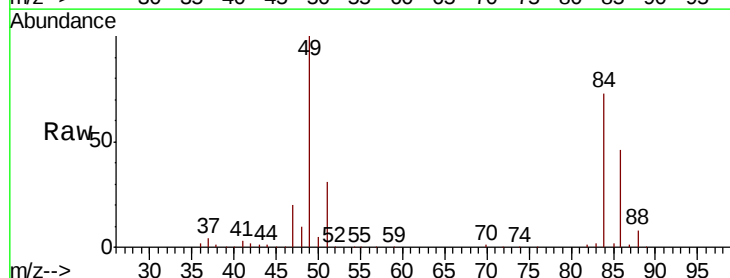
Instrument :
MSVOA_V
ClientSampleId :
BFB77

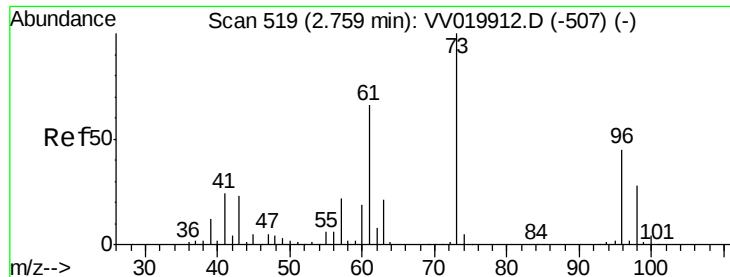
Tot Ion: 43 Resp: 226594
Ion Ratio Lower Upper
43 100
74 22.8 17.6 26.4



#16
Methylene chloride
Concen: 45.784 ug/L
RT: 2.51 min Scan# 441
Delta R.T. -0.00 min
Lab File: VV019937.D
Acq: 08 Jan 2021 09:26

Tgt Ion: 84 Resp: 202422
Ion Ratio Lower Upper
84 100
86 63.6 44.6 82.8
49 137.1 94.6 175.8





#17

trans-1,2-Dichloroethene

Concen: 45.755 ug/L

RT: 2.76 min Scan# 520

Delta R.T. 0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

Instrument :

MSVOA_V

ClientSampleId :

BFB77

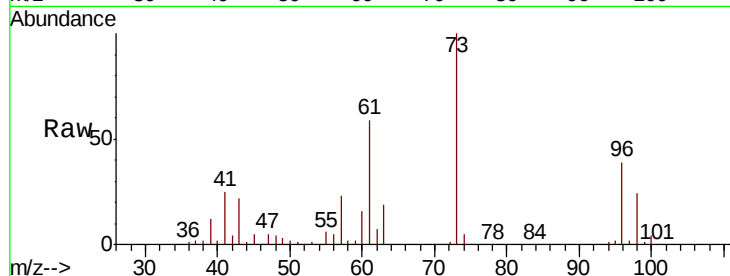
Tot Ion: 96 Resp: 180211

Ion Ratio Lower Upper

96 100

61 151.8 103.1 191.5

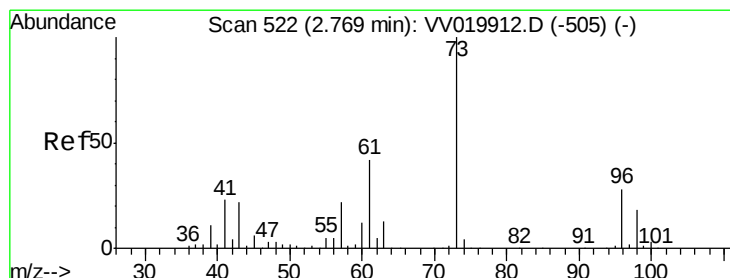
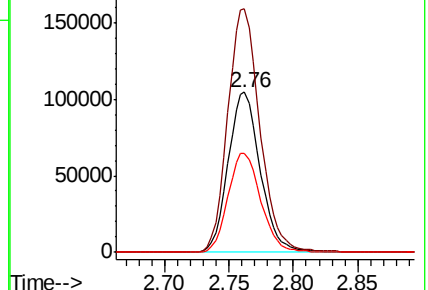
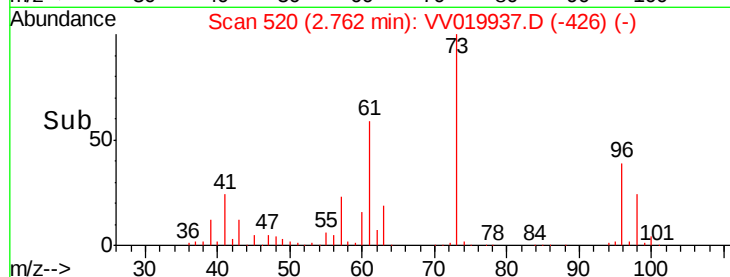
98 61.9 43.1 80.1



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: 46.489 ug/L

RT: 2.77 min Scan# 522

Delta R.T. -0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

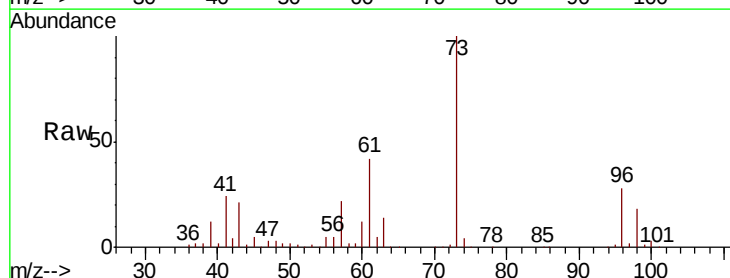
Tgt Ion: 73 Resp: 618219

Ion Ratio Lower Upper

73 100

43 21.9 17.3 25.9

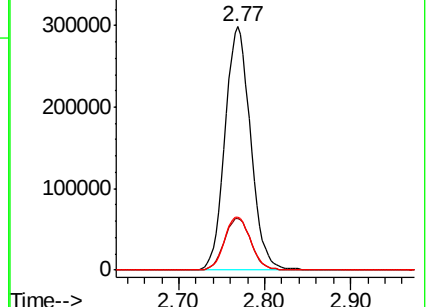
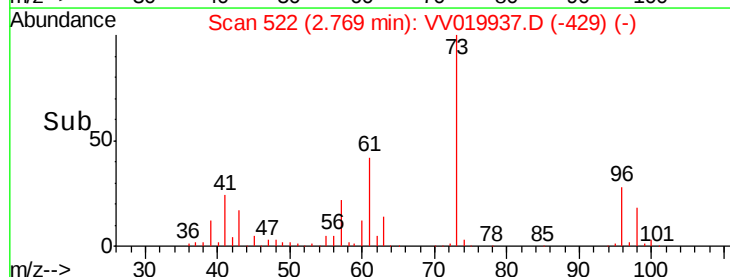
57 22.4 17.9 26.9

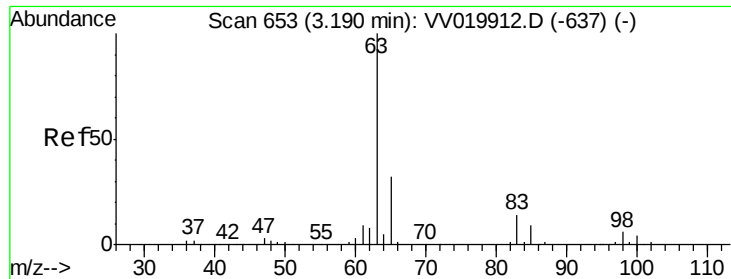


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

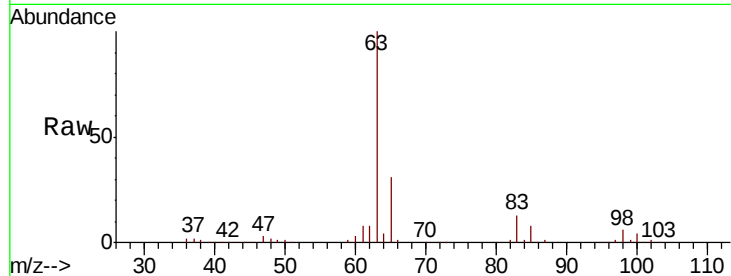




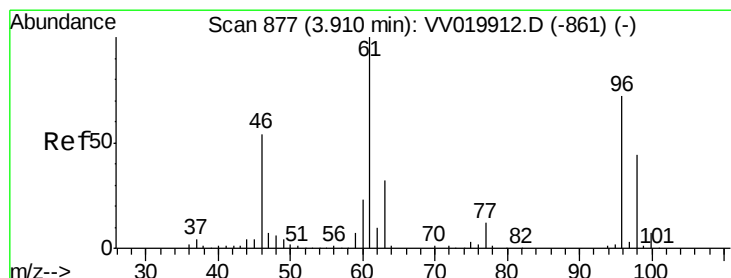
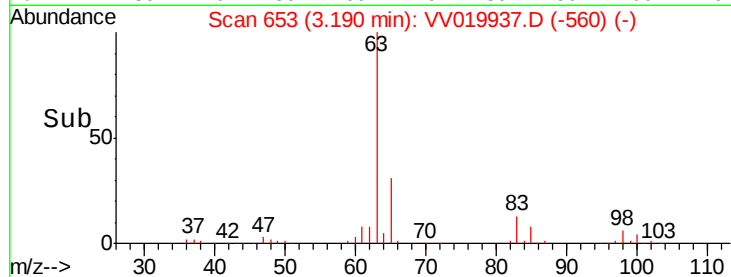
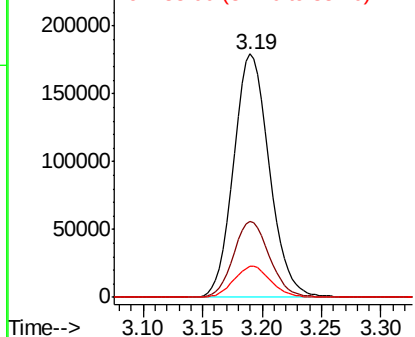
#19
 1,1-Dichloroethane
 Concen: 47.118 ug/L
 RT: 3.19 min Scan# 653
 Delta R.T. -0.00 min
 Lab File: VV019937.D
 Acq: 08 Jan 2021 09:26

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB77

Tot Ion: 63 Resp: 374487
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.9 40.7
 83 12.8 9.5 17.7

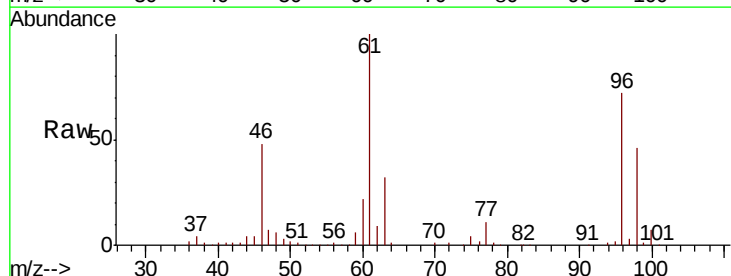


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

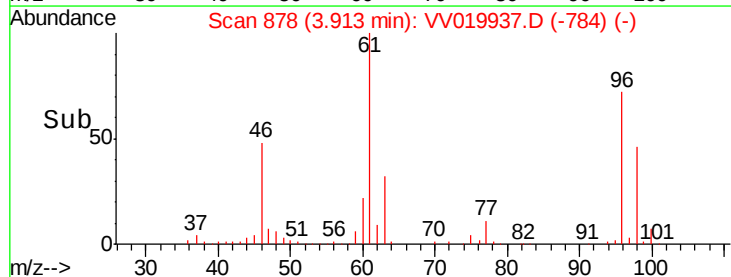
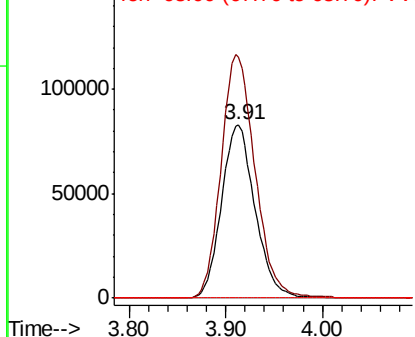


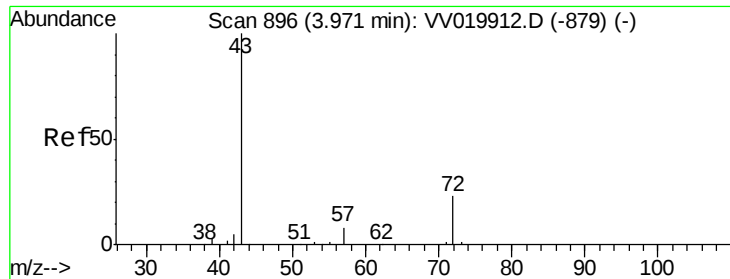
#20
 cis-1,2-Dichloroethene
 Concen: 46.372 ug/L
 RT: 3.91 min Scan# 878
 Delta R.T. 0.00 min
 Lab File: VV019937.D
 Acq: 08 Jan 2021 09:26

Tgt Ion: 96 Resp: 199823
 Ion Ratio Lower Upper
 96 100
 61 138.7 96.9 179.9
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 107.316 ug/L

RT: 3.97 min Scan# 897

Delta R.T. 0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

Instrument :

MSVOA_V

ClientSampleId :

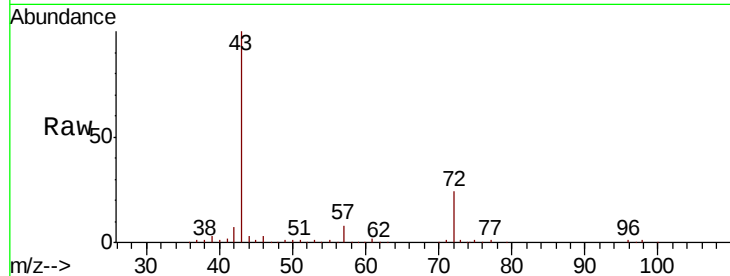
BFB77

Tot Ion: 43 Resp: 370339

Ion Ratio Lower Upper

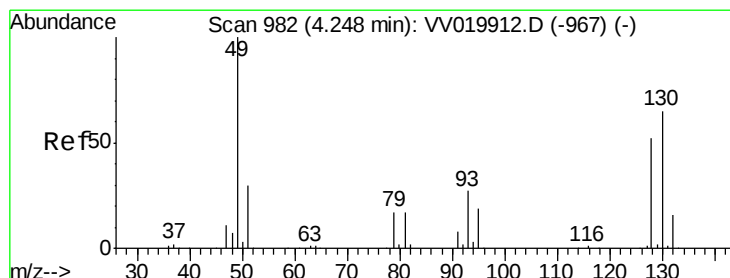
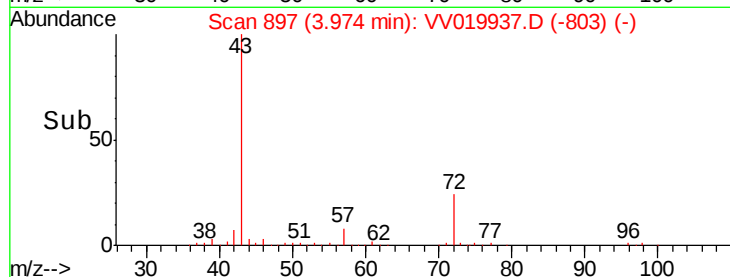
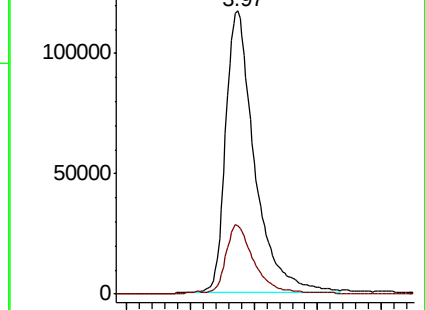
43 100

72 23.1 12.2 36.6



Abundance Ion 43.00 (42.70 to 43.70): VV019937.D (-893) (-)

Ion 72.00 (71.70 to 72.70): VV019937.D (-893) (-)



#23

Bromochloromethane

Concen: 45.211 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

Tgt Ion: 128 Resp: 96262

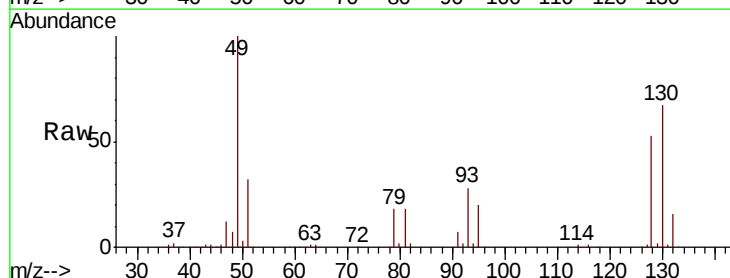
Ion Ratio Lower Upper

128 100

49 188.8 133.1 247.1

130 126.2 89.0 165.4

51 60.3 49.3 73.9

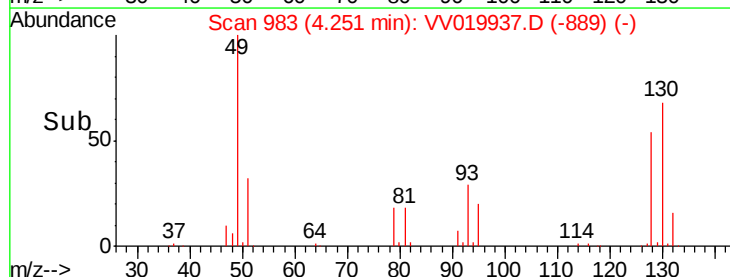
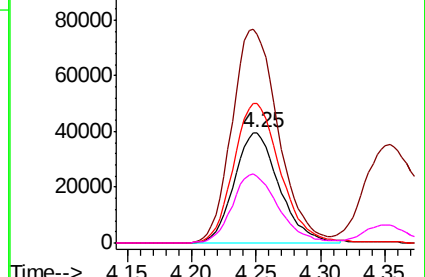


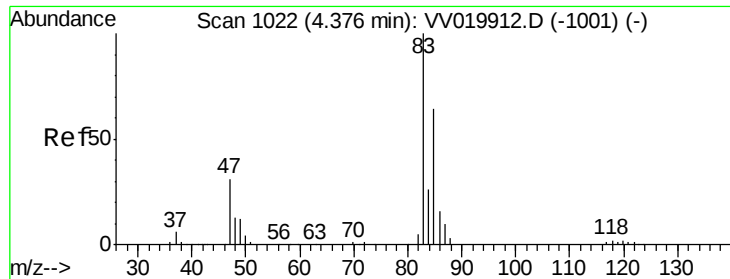
Abundance Ion 128.00 (127.70 to 128.70): VV019937.D (-889) (-)

Ion 49.00 (48.70 to 49.70): VV019937.D (-889) (-)

Ion 130.00 (129.70 to 130.70): VV019937.D (-889) (-)

Ion 51.00 (50.70 to 51.70): VV019937.D (-889) (-)

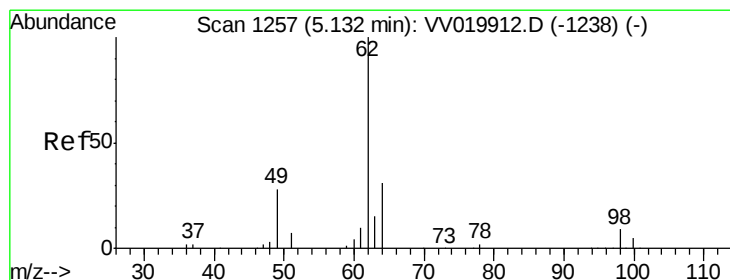
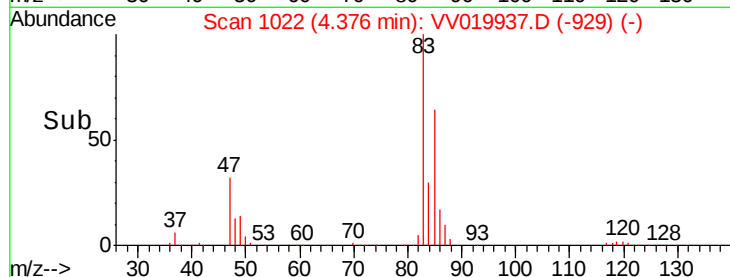
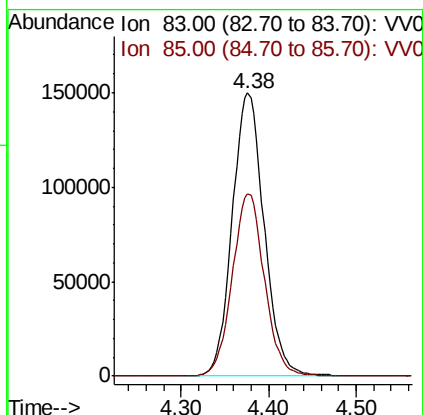
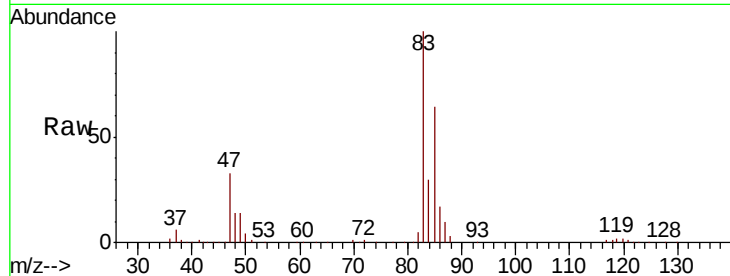




#25
Chloroform
Concen: 48.332 ug/L
RT: 4.38 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VV019937.D
Acq: 08 Jan 2021 09:26

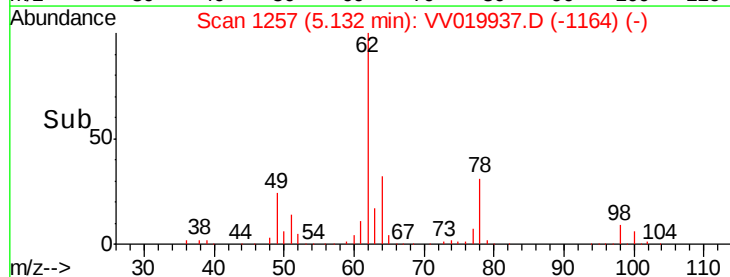
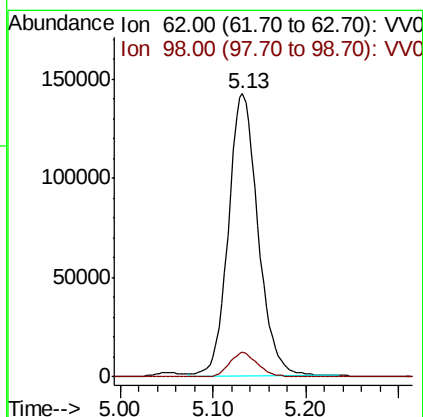
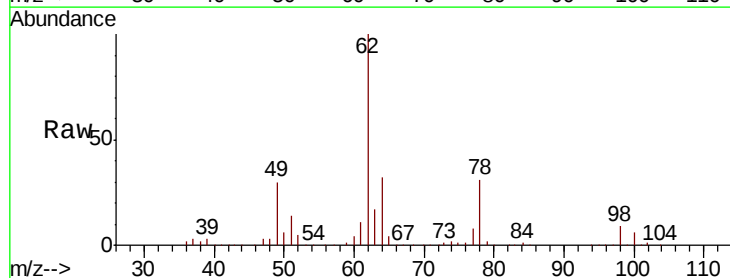
Instrument :
MSVOA_V
ClientSampleId :
BFB77

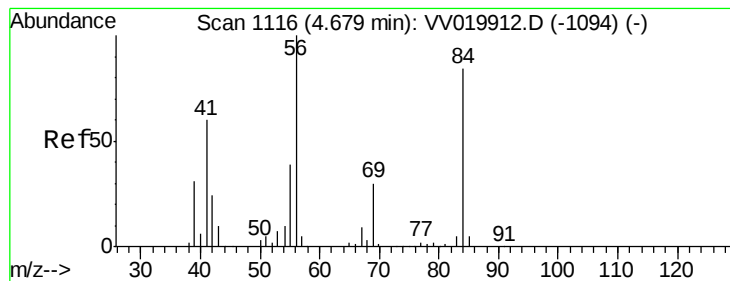
Tot Ion: 83 Resp: 378947
Ion Ratio Lower Upper
83 100
85 64.4 44.2 82.2



#27
1,2-Dichloroethane
Concen: 49.018 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VV019937.D
Acq: 08 Jan 2021 09:26

Tgt Ion: 62 Resp: 316860
Ion Ratio Lower Upper
62 100
98 8.6 6.9 10.3





#29

Cyclohexane

Concen: 46.162 ug/L

RT: 4.68 min Scan# 1116

Delta R.T. -0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

Instrument :

MSVOA_V

ClientSampleId :

BFB77

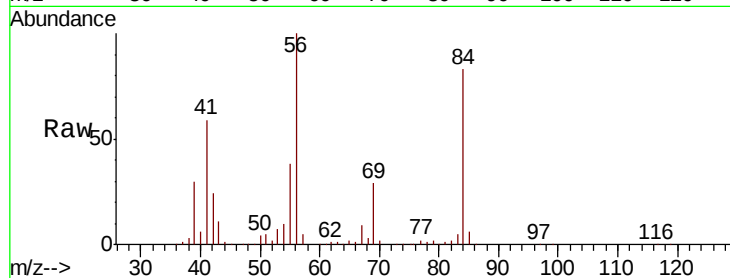
Tot Ion: 56 Resp: 316721

Ion Ratio Lower Upper

56 100

69 29.5 24.2 36.2

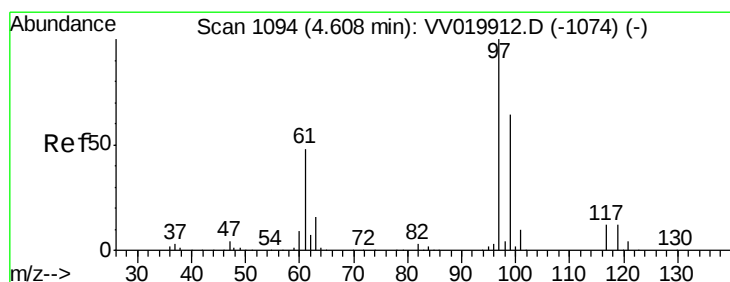
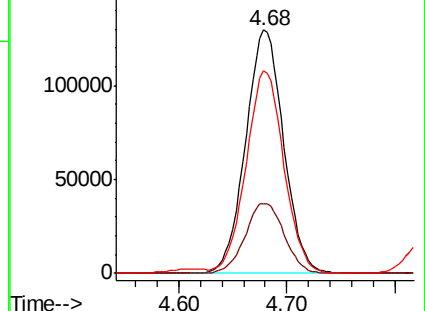
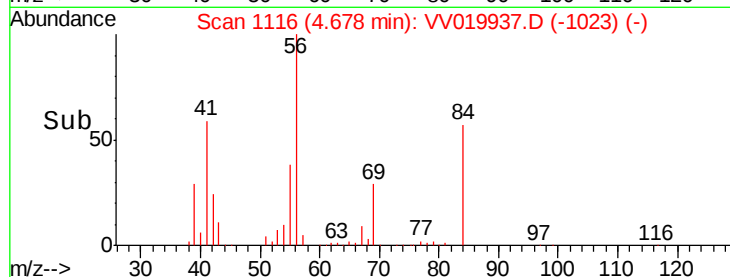
84 82.8 66.3 99.5



Abundance Ion 56.00 (55.70 to 56.70): VV019937.D (-1023) (-)

Ion 69.00 (68.70 to 69.70): VV019937.D (-1023) (-)

Ion 84.00 (83.70 to 84.70): VV019937.D (-1023) (-)



#30

1,1,1-Trichloroethane

Concen: 47.505 ug/L

RT: 4.61 min Scan# 1095

Delta R.T. 0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

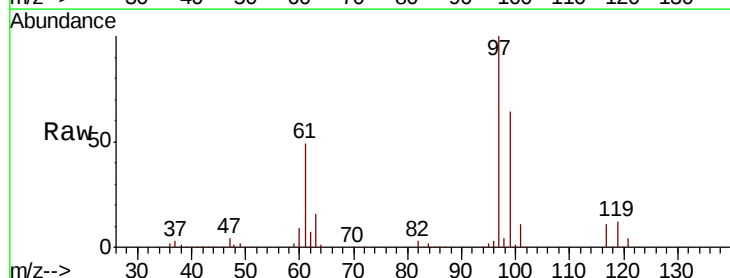
Tgt Ion: 97 Resp: 325932

Ion Ratio Lower Upper

97 100

99 63.2 51.2 76.8

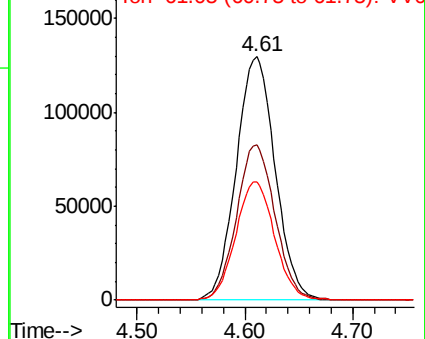
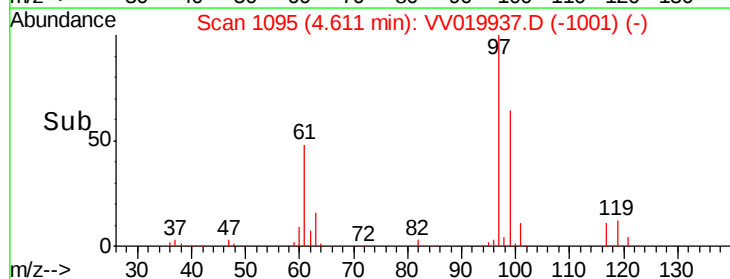
61 48.9 38.5 57.7

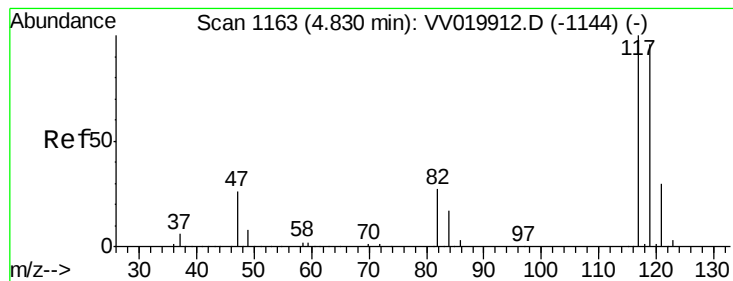


Abundance Ion 97.00 (96.70 to 97.70): VV019937.D (-1001) (-)

Ion 99.00 (98.70 to 99.70): VV019937.D (-1001) (-)

Ion 61.05 (60.75 to 61.75): VV019937.D (-1001) (-)





#31

Carbon tetrachloride

Concen: 47.298 ug/L

RT: 4.83 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

Instrument :

MSVOA_V

ClientSampleId :

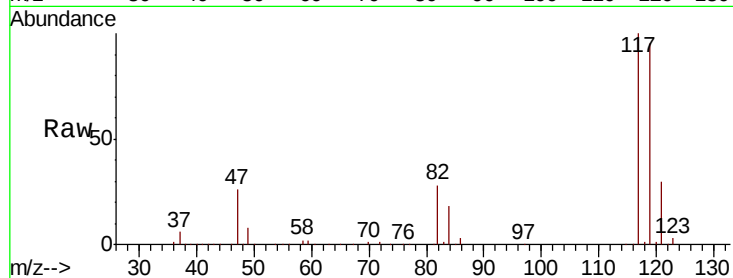
BFB77

Tot Ion:117 Resp: 267041

Ion Ratio Lower Upper

117 100

119 95.0 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.83

120000

100000

80000

60000

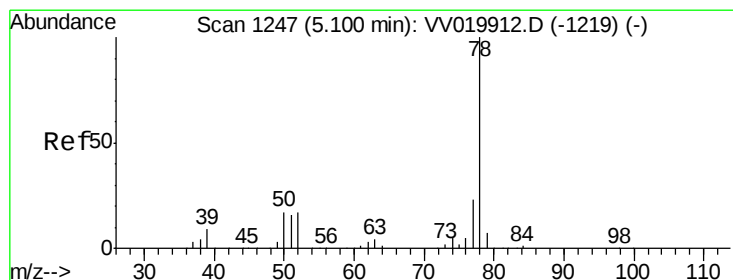
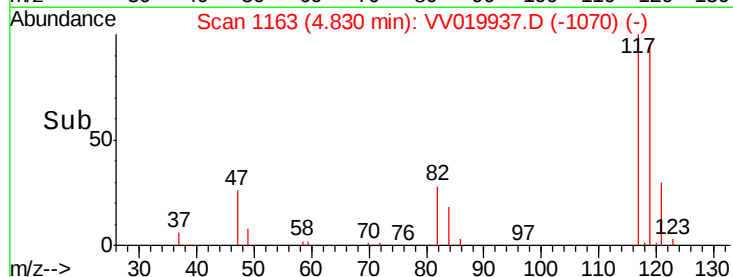
40000

20000

0

Time-->

4.70 4.80 4.90



#33

Benzene

Concen: 46.688 ug/L

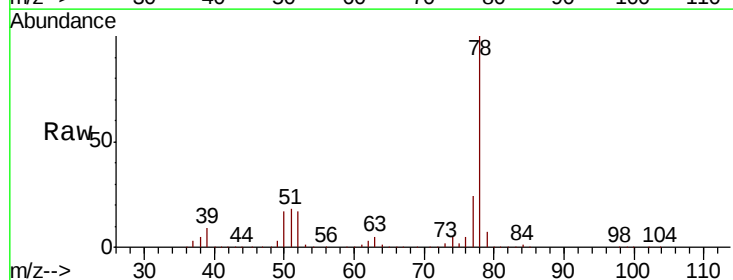
RT: 5.10 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

Tgt Ion: 78 Resp: 786933



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.10

400000

300000

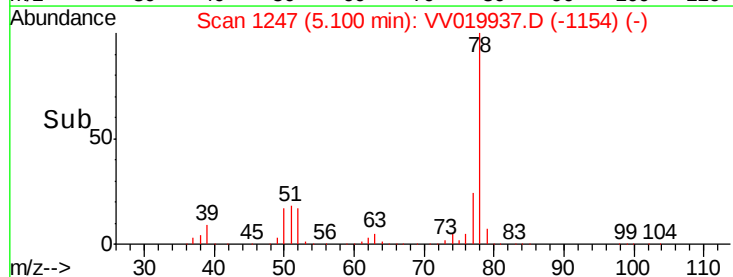
200000

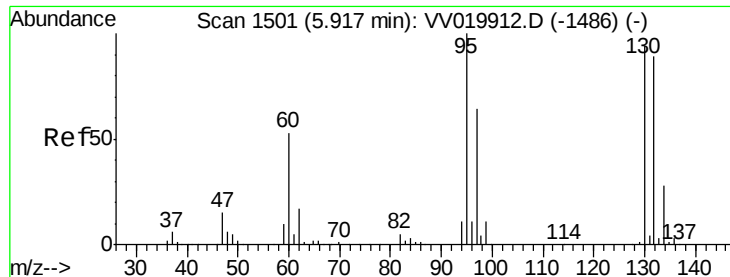
100000

0

Time-->

5.00 5.10 5.20





#34

Trichloroethene

Concen: 46.664 ug/L

RT: 5.92 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

Instrument :

MSVOA_V

ClientSampleId :

BFB77

Tot Ion: 95 Resp: 208661

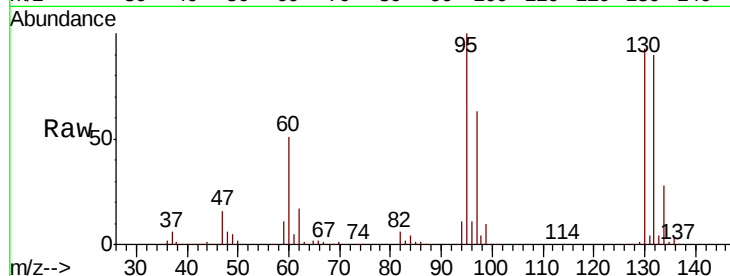
Ion Ratio Lower Upper

95 100

97 62.9 44.5 82.7

132 90.0 63.4 117.8

130 93.2 67.1 124.5

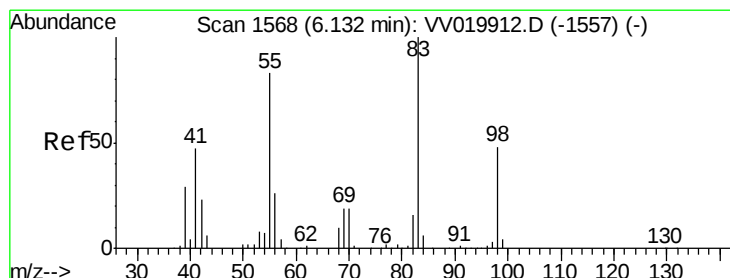
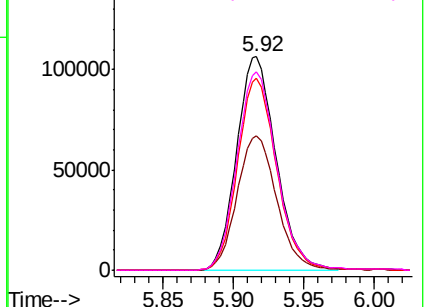
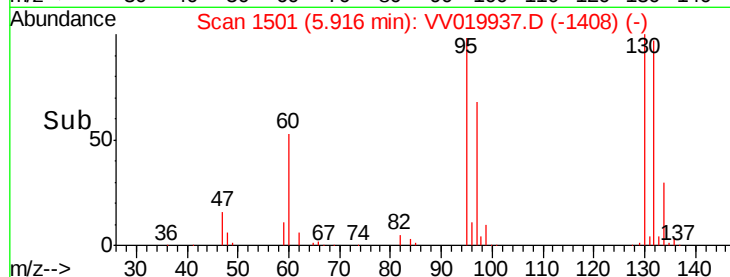


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 46.704 ug/L

RT: 6.14 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

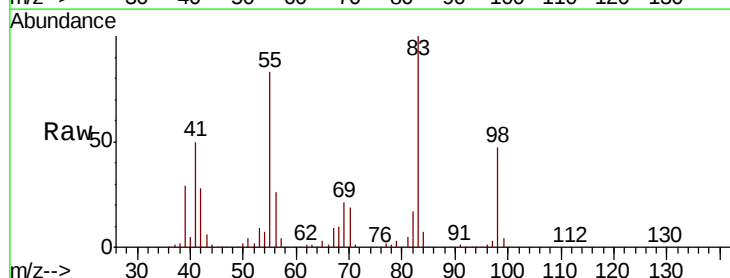
Tgt Ion: 83 Resp: 313187

Ion Ratio Lower Upper

83 100

55 83.4 65.1 97.7

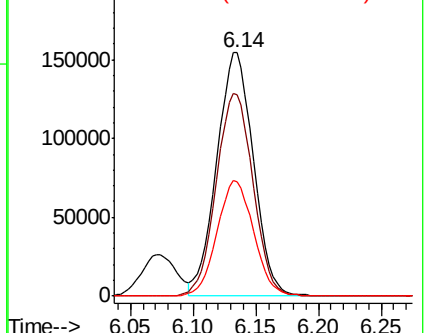
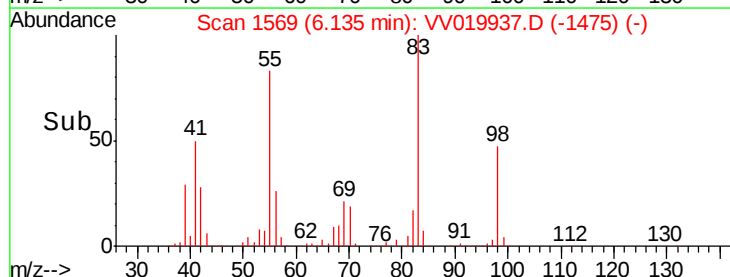
98 47.5 38.2 57.2

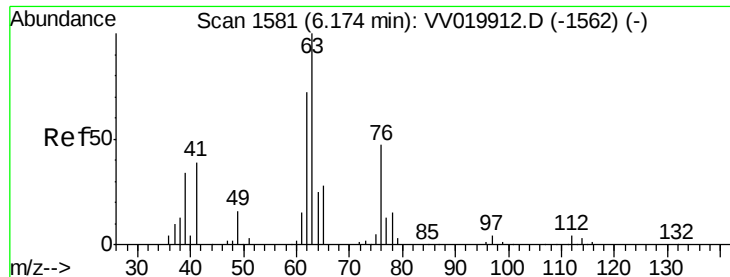


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

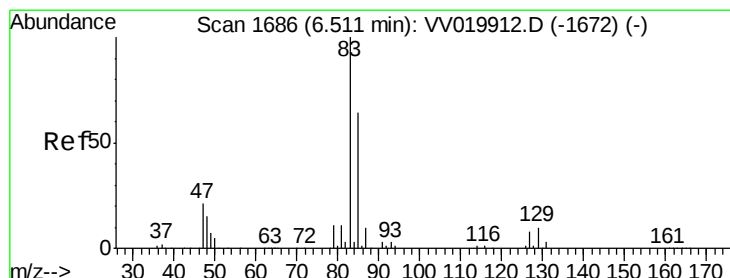
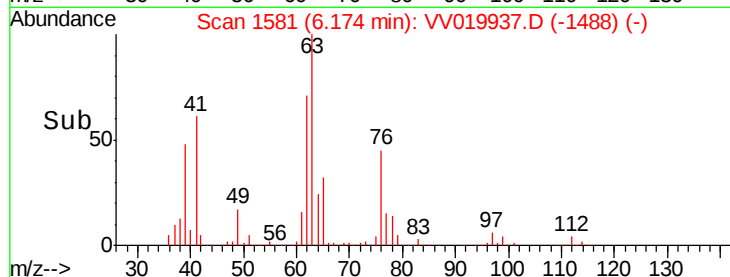
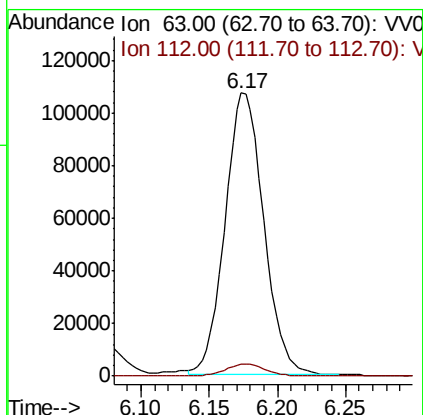
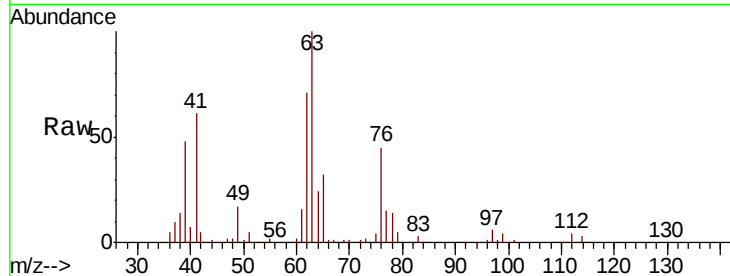




#37
 1,2-Dichloropropane
 Concen: 46.580 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV019937.D
 Acq: 08 Jan 2021 09:26

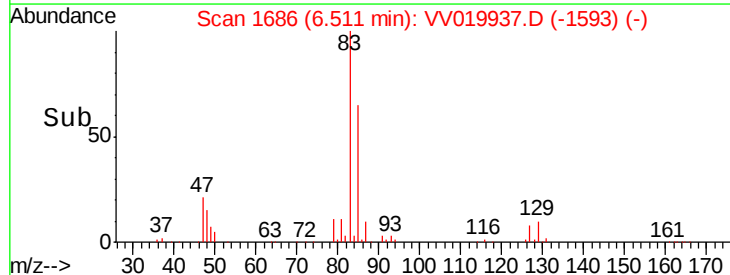
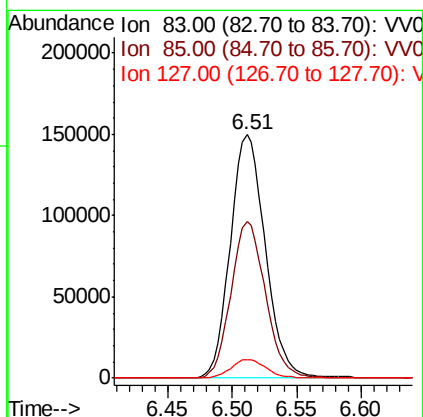
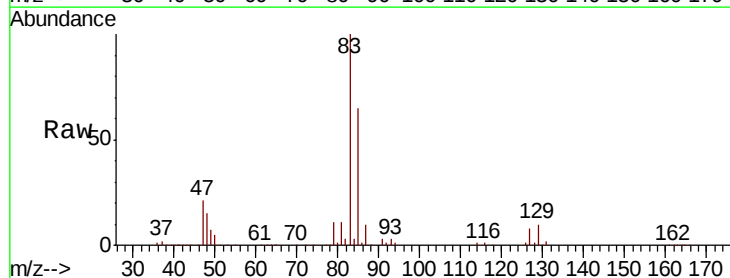
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB77

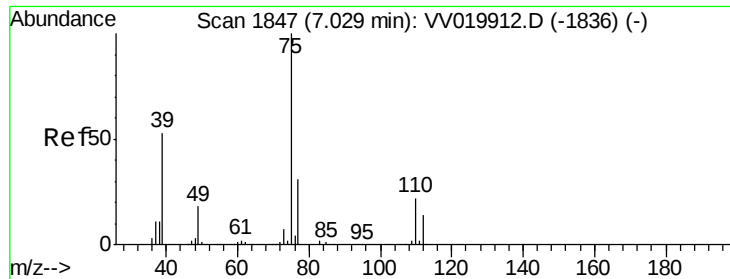
Tot Ion: 63 Resp: 210835
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.3 4.9



#38
 Bromodichloromethane
 Concen: 47.836 ug/L
 RT: 6.51 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VV019937.D
 Acq: 08 Jan 2021 09:26

Tgt Ion: 83 Resp: 283073
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.5 82.7
 127 7.6 6.3 9.5



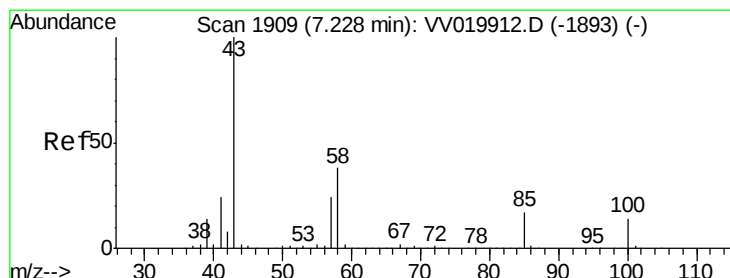
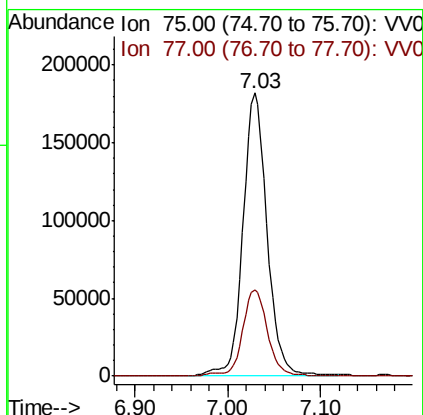
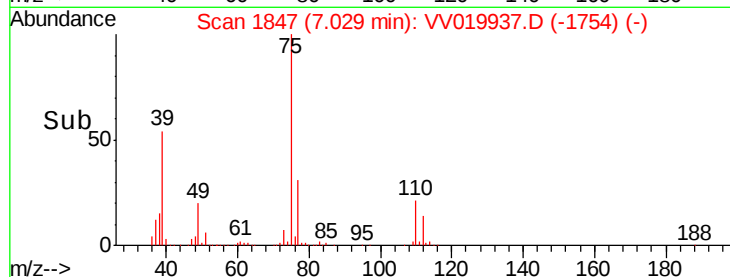
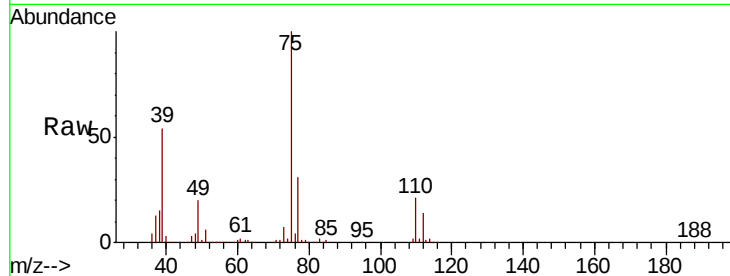


#39

cis-1,3-Dichloropropene
 Concen: 47.279 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: VV019937.D
 Acq: 08 Jan 2021 09:26

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB77

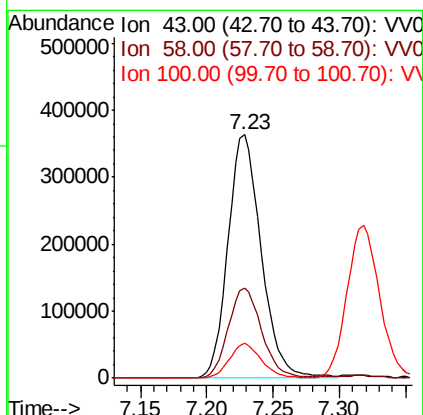
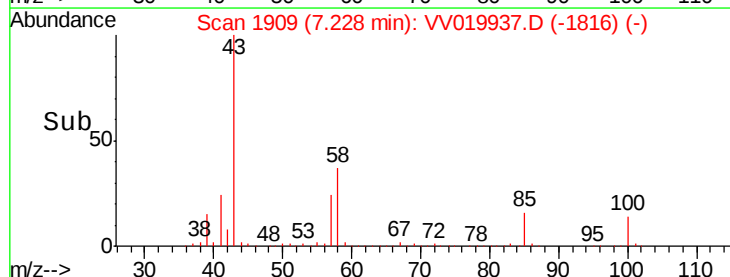
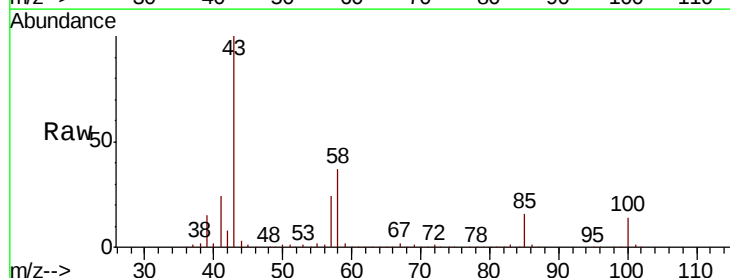
Tot Ion: 75 Resp: 329627
 Ion Ratio Lower Upper
 75 100
 77 30.6 21.8 40.6

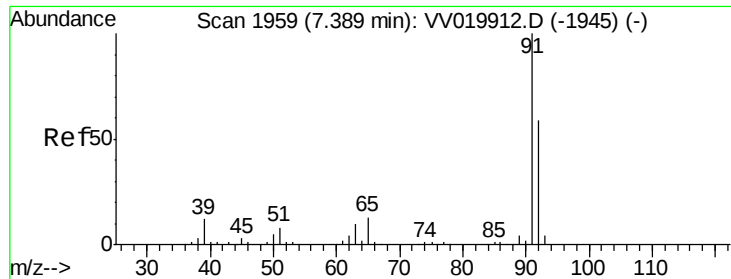


#40

4-Methyl-2-pentanone
 Concen: 93.749 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VV019937.D
 Acq: 08 Jan 2021 09:26

Tgt Ion: 43 Resp: 635391
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.7 46.1
 100 13.8 11.6 17.4





#42

Toluene

Concen: 47.421 ug/L

RT: 7.39 min Scan# 1959

Delta R.T. -0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

Instrument :

MSVOA_V

ClientSampled :

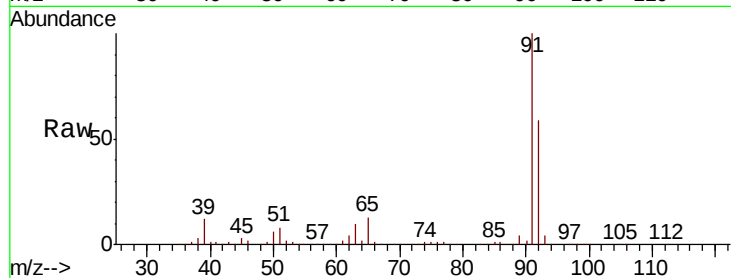
BFB77

Tot Ion: 91 Resp: 818747

Ion Ratio Lower Upper

91 100

92 58.8 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.39

500000

400000

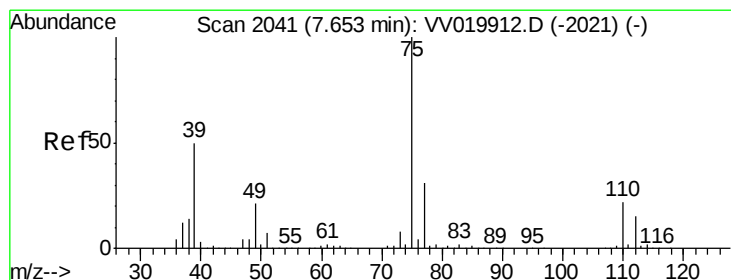
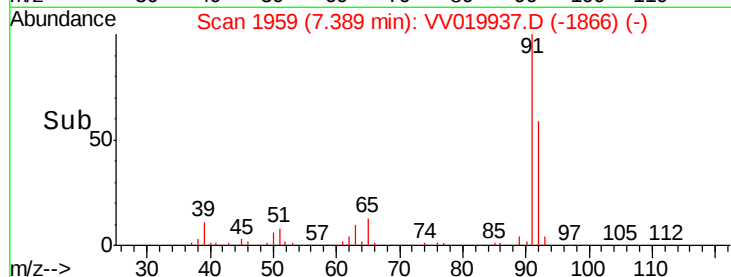
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 46.411 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. -0.00 min

Lab File: VV019937.D

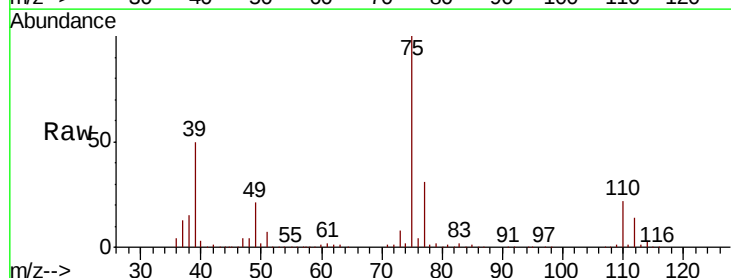
Acq: 08 Jan 2021 09:26

Tgt Ion: 75 Resp: 315604

Ion Ratio Lower Upper

75 100

77 31.4 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.65

200000

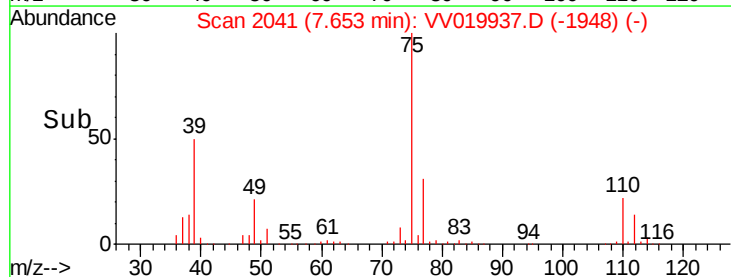
150000

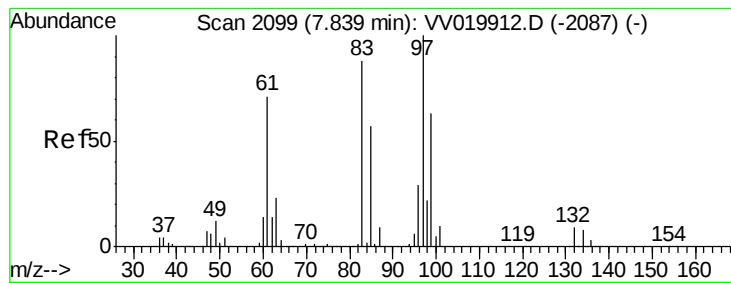
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 46.571 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. 0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

Instrument :

MSVOA_V

ClientSampleId :

BFB77

Tot Ion: 97 Resp: 193359

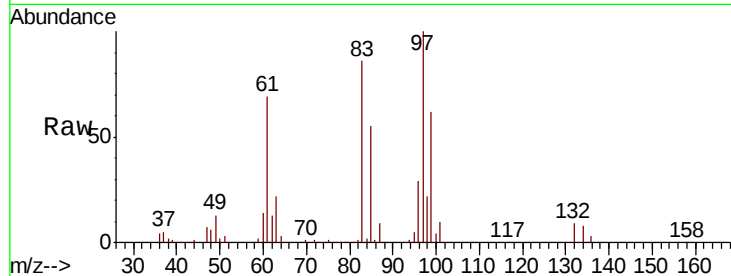
Ion Ratio Lower Upper

97 100

99 62.4 43.8 81.3

83 86.1 62.2 115.4

85 54.7 39.0 72.4

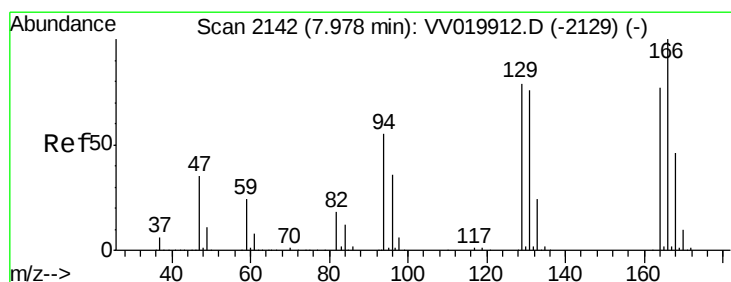
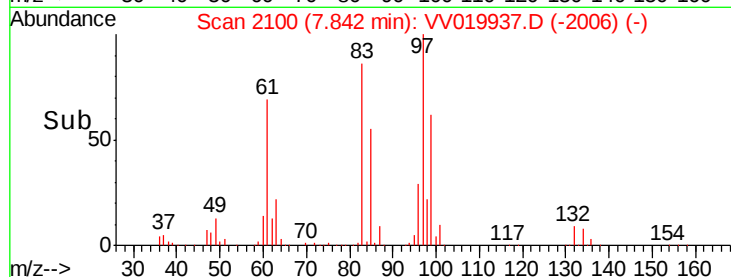
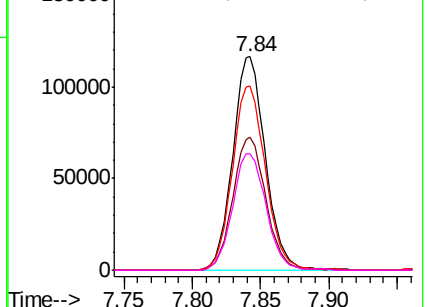


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 46.037 ug/L

RT: 7.98 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

Tgt Ion: 164 Resp: 137475

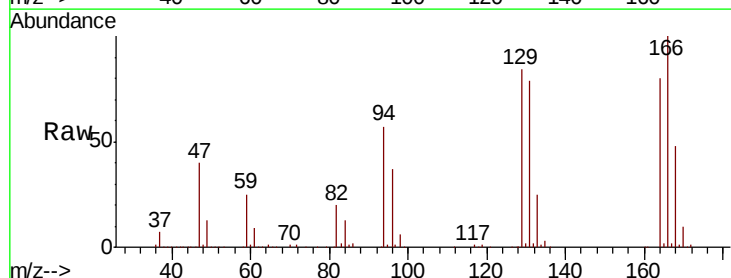
Ion Ratio Lower Upper

164 100

129 104.5 70.6 131.0

131 98.8 66.8 124.0

166 124.5 88.2 163.8

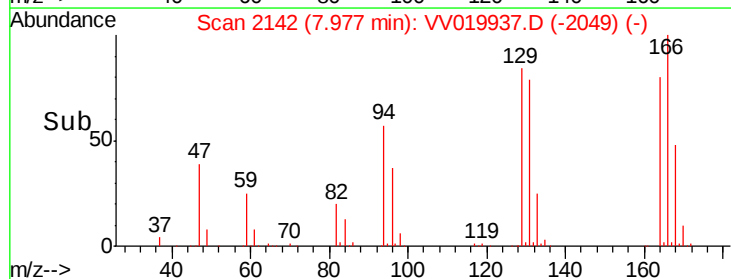
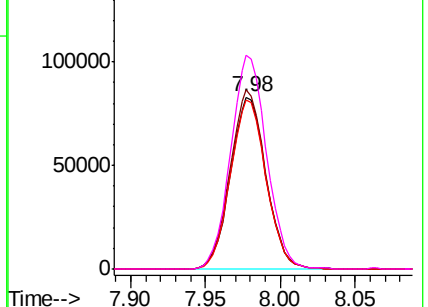


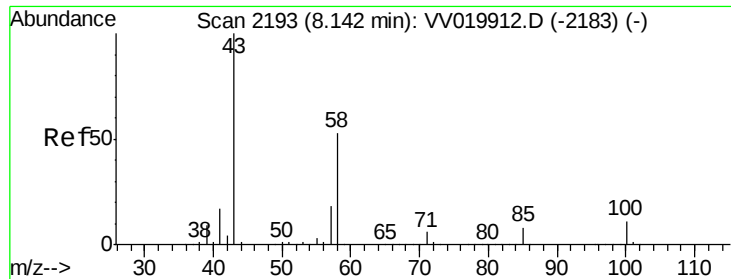
Abundance Ion 164.00 (163.70 to 164.70): V

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

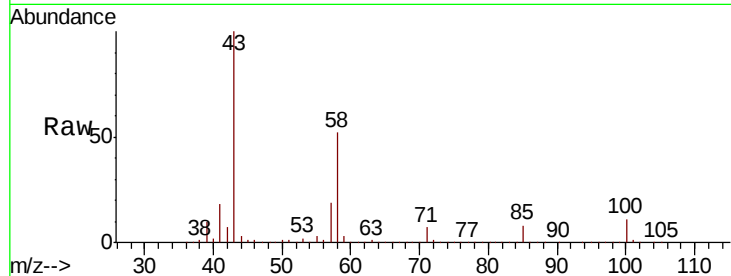




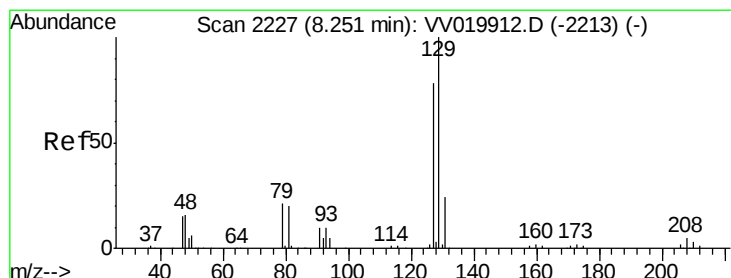
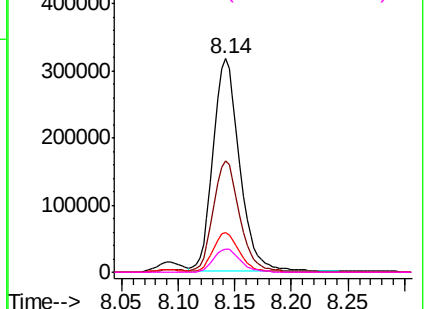
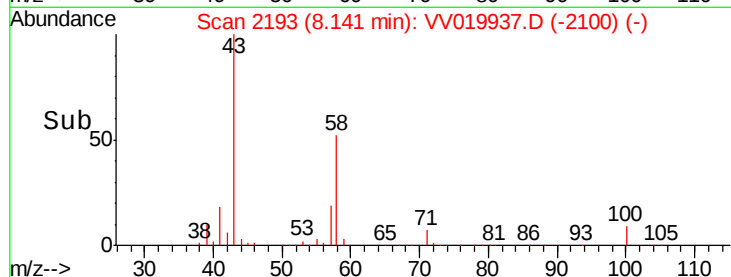
#48
2-Hexanone
Concen: 98.791 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VV019937.D
Acq: 08 Jan 2021 09:26

Instrument :
MSVOA_V
ClientSampleId :
BFB77

Tot Ion: 43 Resp: 517660
Ion Ratio Lower Upper
43 100
58 50.8 41.8 62.6
57 18.4 15.0 22.4
100 11.1 8.9 13.3

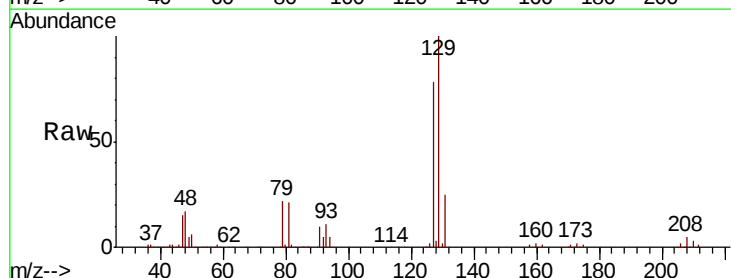


Abundance Ion 43.00 (42.70 to 43.70): VV019937.D (-2100) (-)
Ion 58.00 (57.70 to 58.70): VV019937.D (-2100) (-)
Ion 57.00 (56.70 to 57.70): VV019937.D (-2100) (-)
Ion 100.00 (99.70 to 100.70): VV019937.D (-2100) (-)

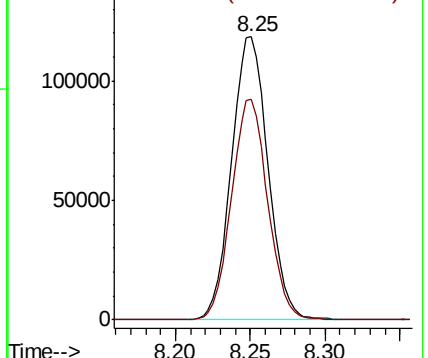
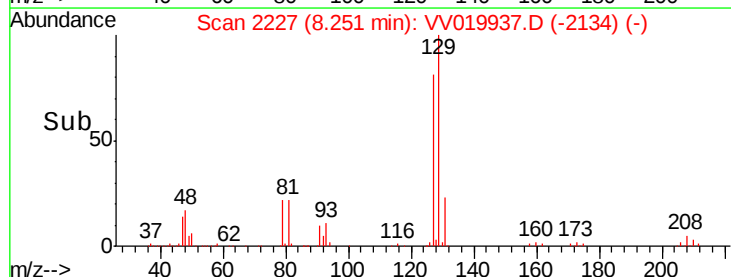


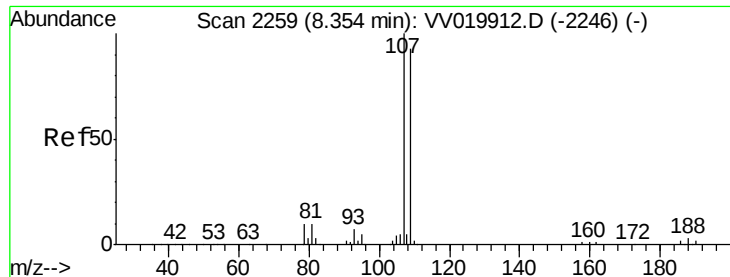
#49
Dibromochloromethane
Concen: 46.895 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. -0.00 min
Lab File: VV019937.D
Acq: 08 Jan 2021 09:26

Tgt Ion: 129 Resp: 201329
Ion Ratio Lower Upper
129 100
127 78.2 55.2 102.6



Abundance Ion 129.00 (128.70 to 129.70): VV019937.D (-2134) (-)
Ion 127.00 (126.70 to 127.70): VV019937.D (-2134) (-)

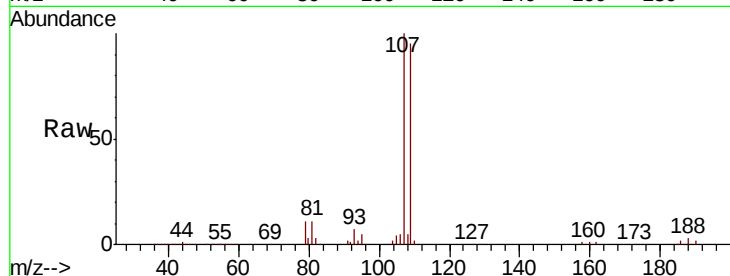




#50
1,2-Dibromoethane
Concen: 45.983 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. -0.00 min
Lab File: VV019937.D
Acq: 08 Jan 2021 09:26

Instrument :
MSVOA_V
ClientSampleId :
BFB77

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	66.2	123.0
188	3.3	2.6	3.8

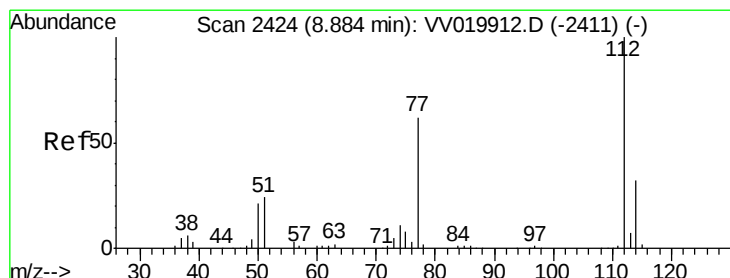
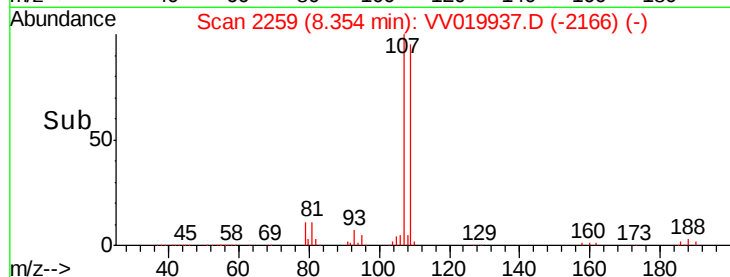
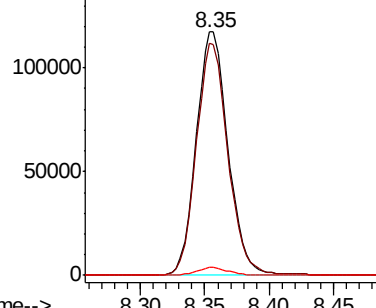


Abundance

Ion 107.00 (106.70 to 107.70): V

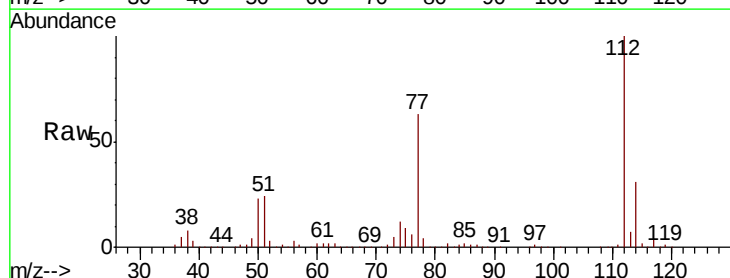
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 47.479 ug/L
RT: 8.88 min Scan# 2424
Delta R.T. -0.00 min
Lab File: VV019937.D
Acq: 08 Jan 2021 09:26

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.2	41.2
77	63.3	49.0	73.6

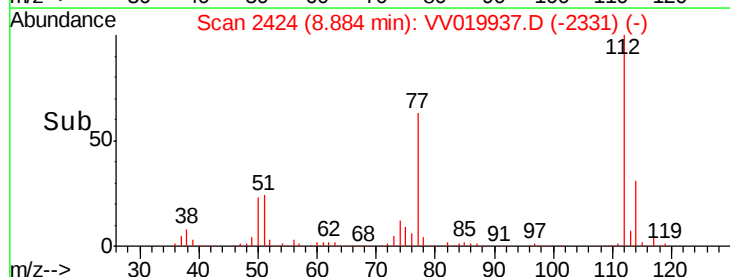
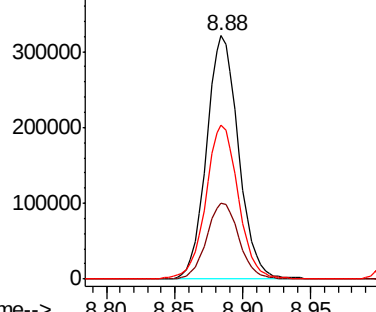


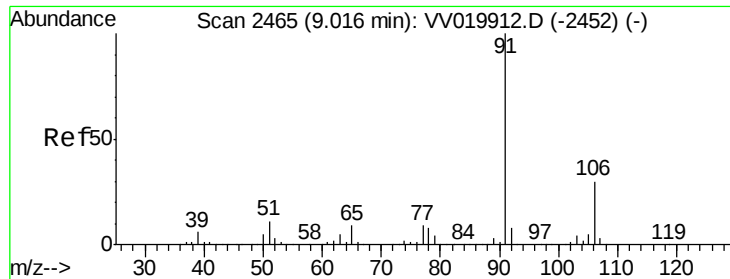
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 48.618 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. -0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

Instrument :

MSVOA_V

ClientSampleId :

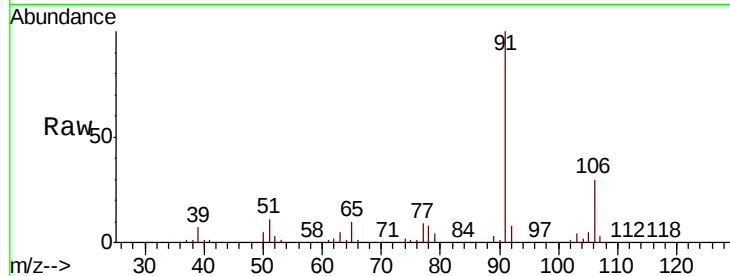
BFB77

Tot Ion: 91 Resp: 944571

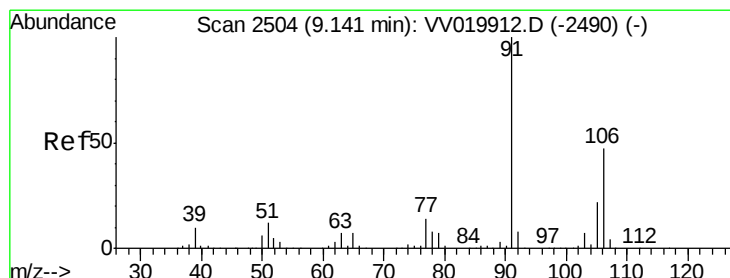
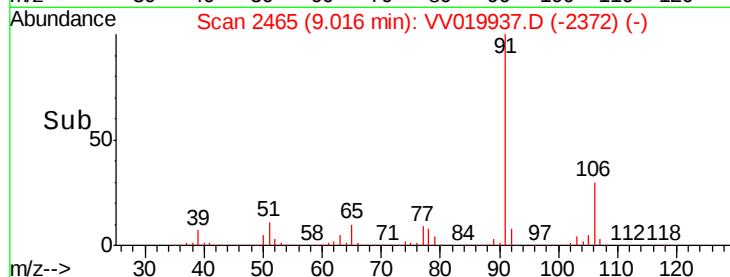
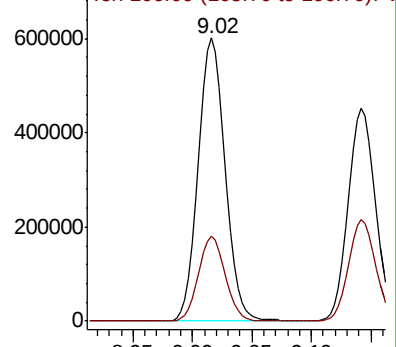
Ion Ratio Lower Upper

91 100

106 29.9 21.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VV019937.D (-2372) (-)



#53

m,p-Xylene

Concen: 48.244 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VV019937.D

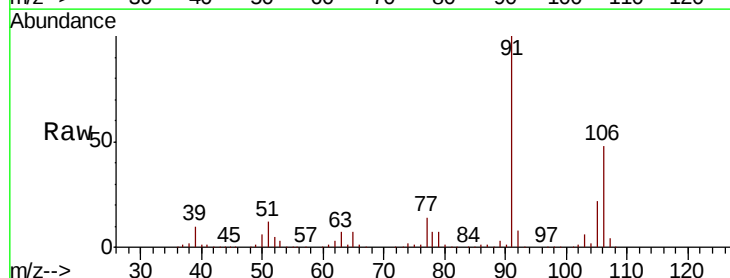
Acq: 08 Jan 2021 09:26

Tgt Ion: 106 Resp: 341398

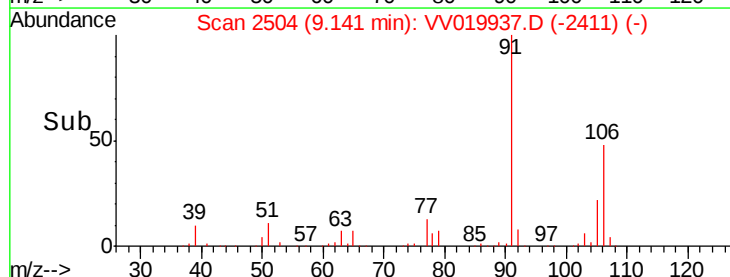
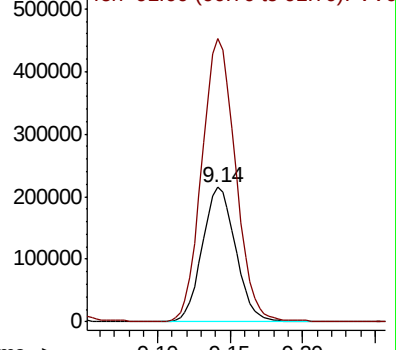
Ion Ratio Lower Upper

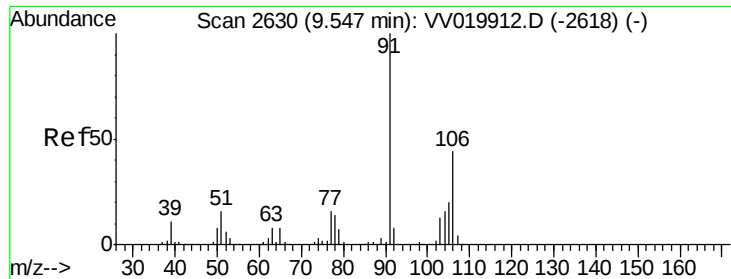
106 100

91 209.9 148.1 275.0



Abundance Ion 106.00 (105.70 to 106.70): VV019937.D (-2411) (-)

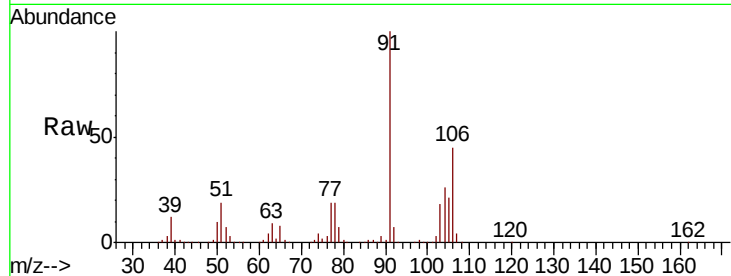




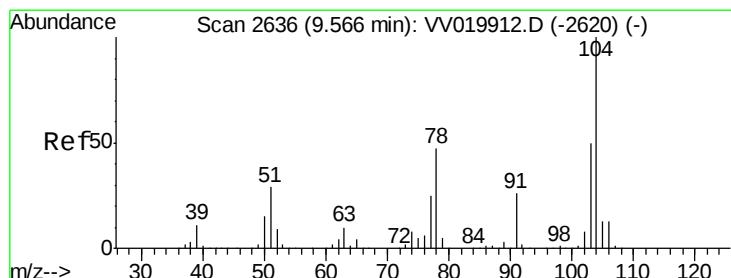
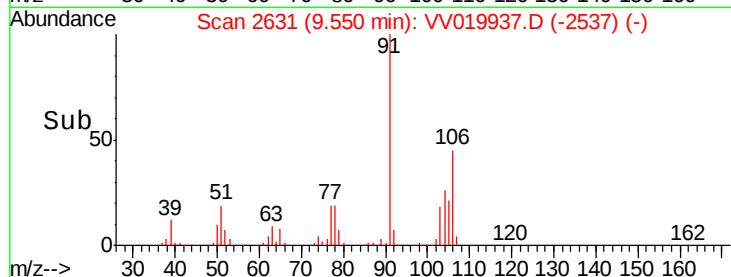
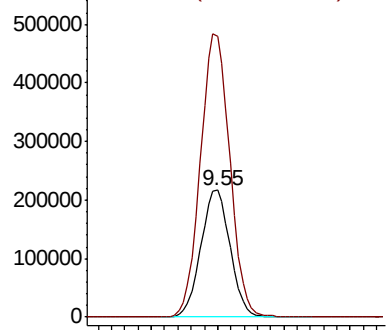
#54
o-xylene
Concen: 48.121 ug/L
RT: 9.55 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VV019937.D
Acq: 08 Jan 2021 09:26

Instrument :
MSVOA_V
ClientSampleId :
BFB77

Tot Ion:106 Resp: 332917
Ion Ratio Lower Upper
106 100
91 221.5 156.4 290.6

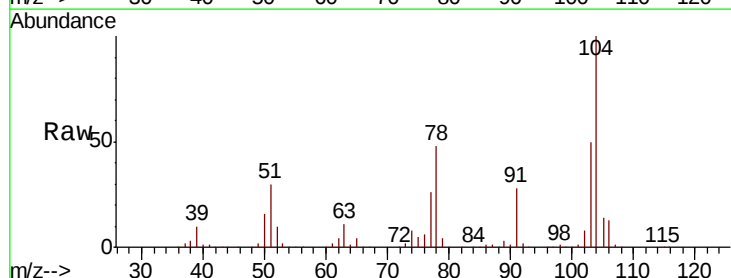


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

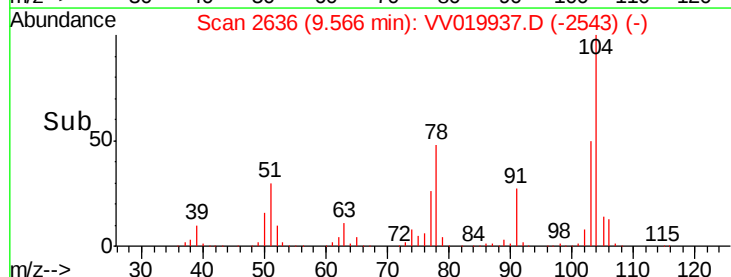
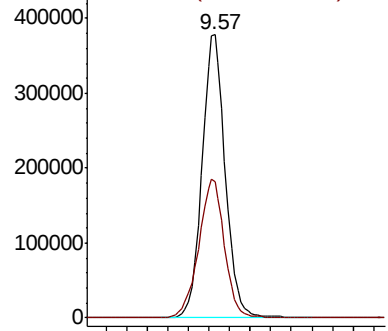


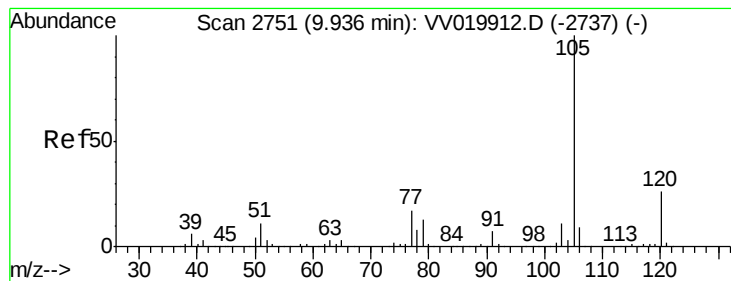
#55
Styrene
Concen: 49.345 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VV019937.D
Acq: 08 Jan 2021 09:26

Tgt Ion:104 Resp: 593330
Ion Ratio Lower Upper
104 100
78 47.9 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: 48.961 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

Instrument :

MSVOA_V

ClientSampleId :

BFB77

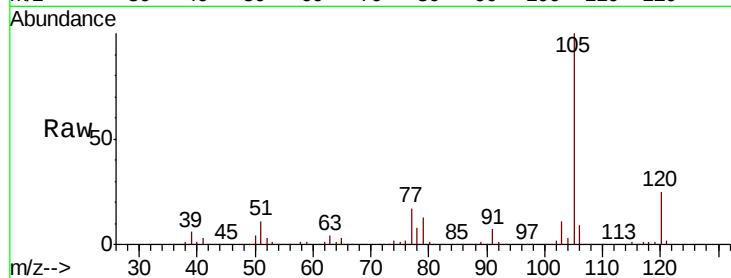
Tot Ion:105 Resp: 907181

Ion Ratio Lower Upper

105 100

120 25.3 20.5 30.7

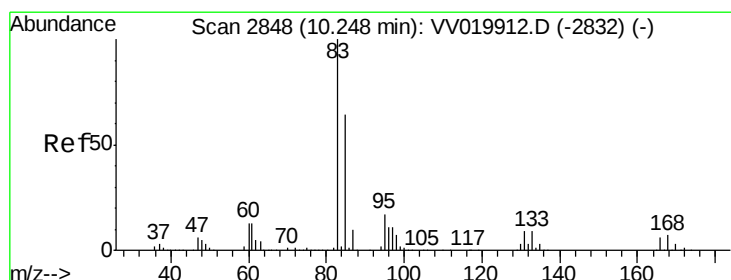
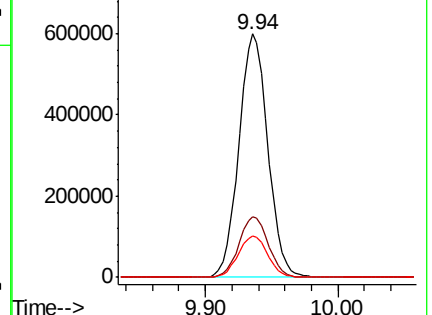
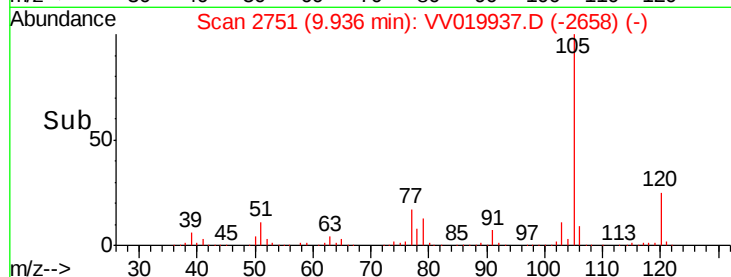
77 17.4 13.6 20.4



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: 47.422 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

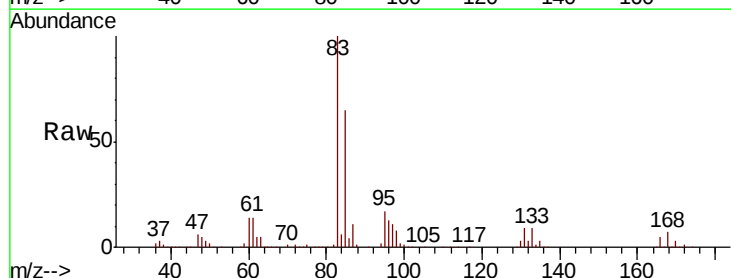
Tgt Ion: 83 Resp: 312726

Ion Ratio Lower Upper

83 100

85 65.0 44.3 82.3

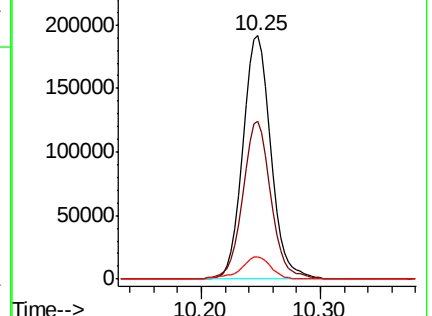
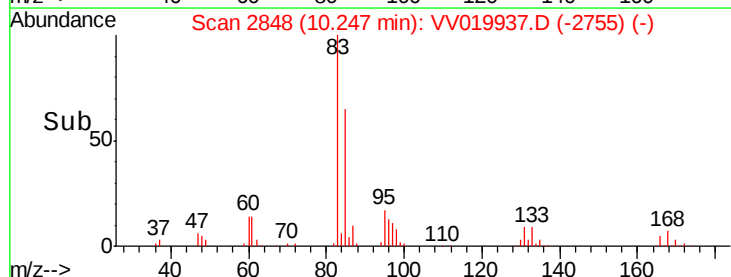
131 9.1 7.3 10.9

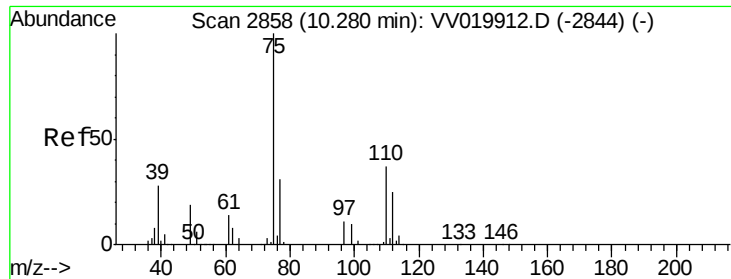


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 46.629 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

Instrument :

MSVOA_V

ClientSampleId :

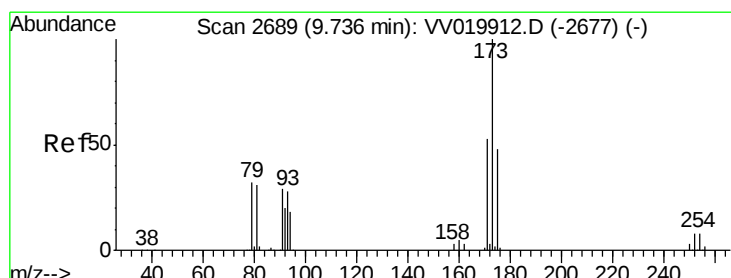
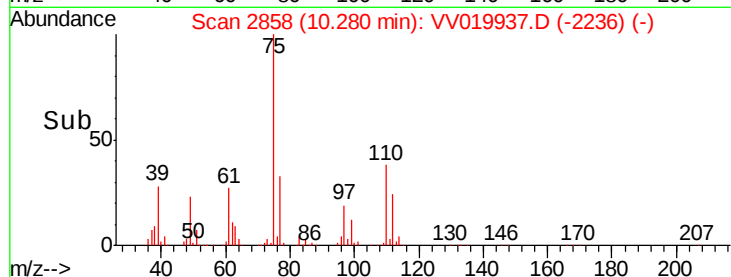
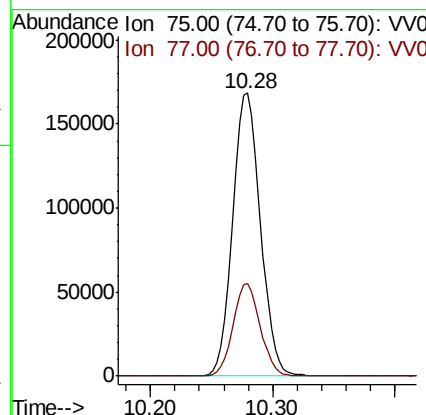
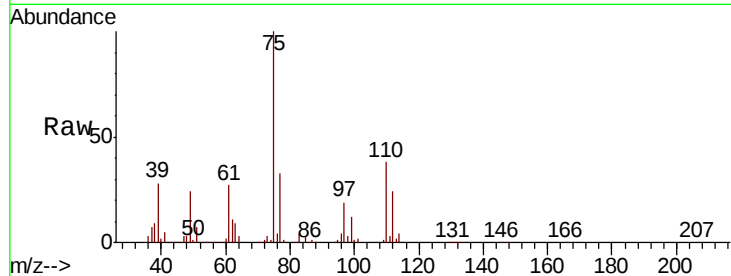
BFB77

Tot Ion: 75 Resp: 268313

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0



#61

Bromoform

Concen: 44.970 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. -0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

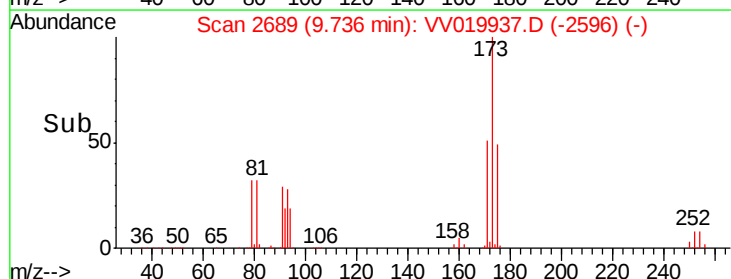
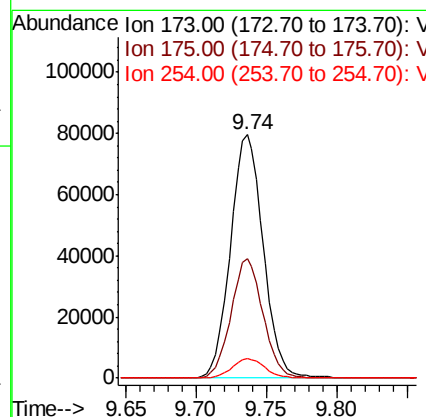
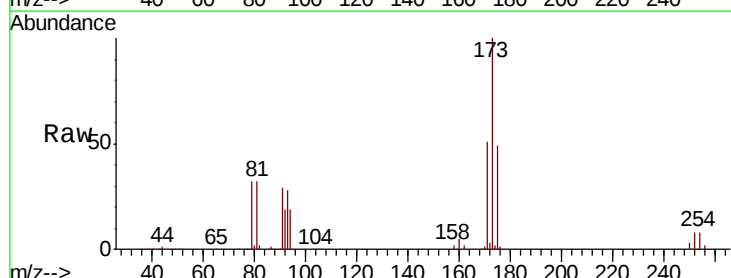
Tgt Ion: 173 Resp: 129145

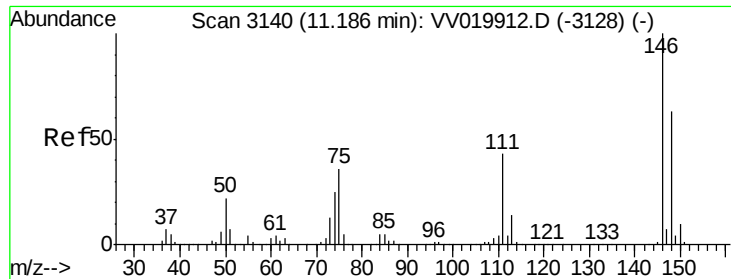
Ion Ratio Lower Upper

173 100

175 47.9 38.6 57.8

254 8.0 6.5 9.7

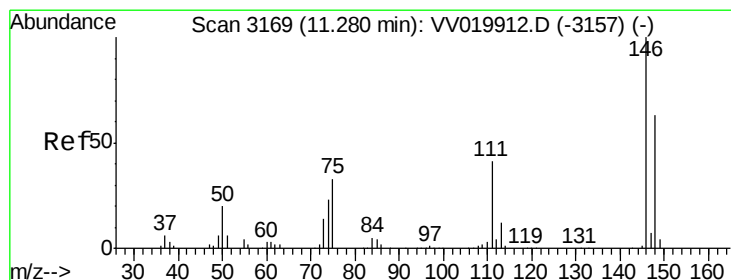
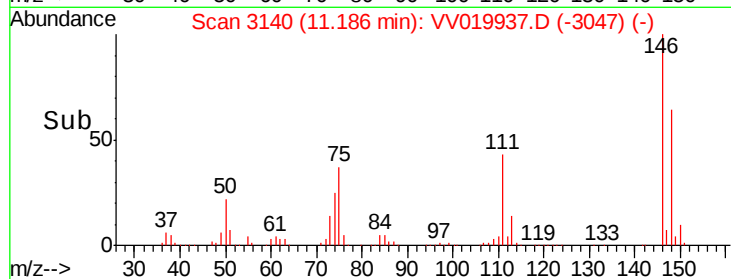
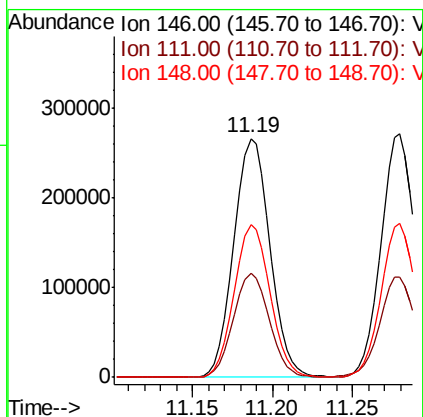
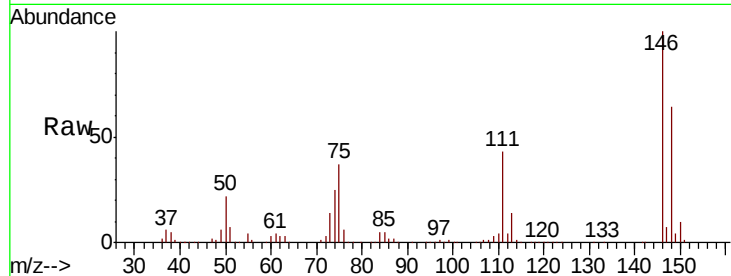




#62
 1,3-Dichlorobenzene
 Concen: 48.133 ug/L
 RT: 11.19 min Scan# 3140
 Delta R.T. -0.00 min
 Lab File: VV019937.D
 Acq: 08 Jan 2021 09:26

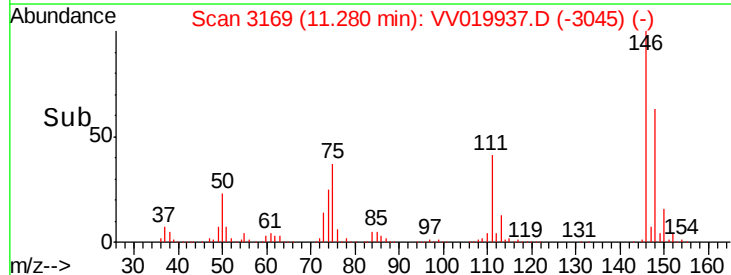
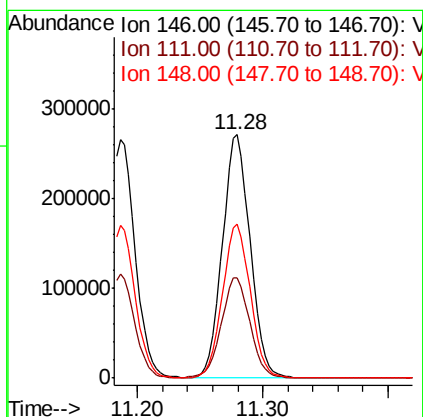
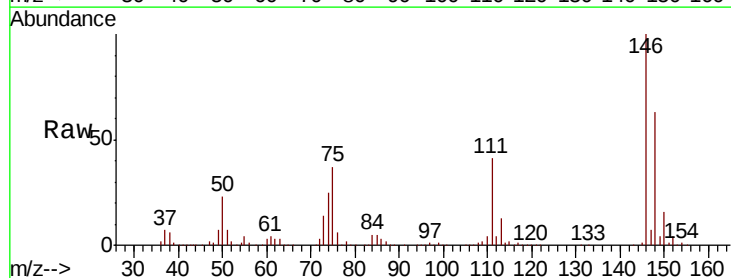
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB77

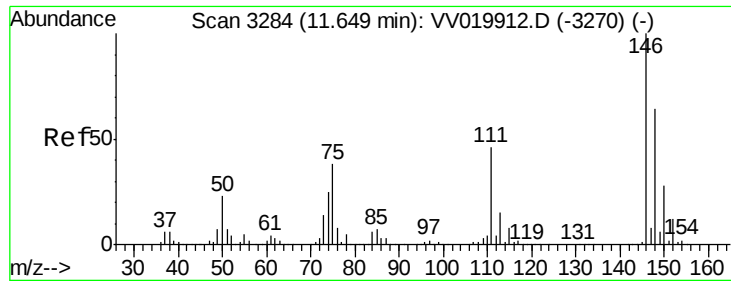
Tot Ion:146 Resp: 409163
 Ion Ratio Lower Upper
 146 100
 111 43.5 30.2 56.2
 148 63.7 45.0 83.6



#63
 1,4-Dichlorobenzene
 Concen: 47.556 ug/L
 RT: 11.28 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VV019937.D
 Acq: 08 Jan 2021 09:26

Tgt Ion:146 Resp: 415779
 Ion Ratio Lower Upper
 146 100
 111 41.1 29.4 54.6
 148 63.1 44.7 83.1





#65

1,2-Dichlorobenzene

Concen: 47.370 ug/L

RT: 11.65 min Scan# 3284

Delta R.T. -0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

Instrument :

MSVOA_V

ClientSampleId :

BFB77

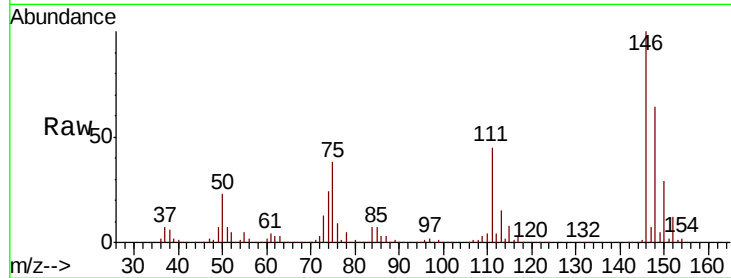
Tot Ion:146 Resp: 411041

Ion Ratio Lower Upper

146 100

111 44.8 36.3 54.5

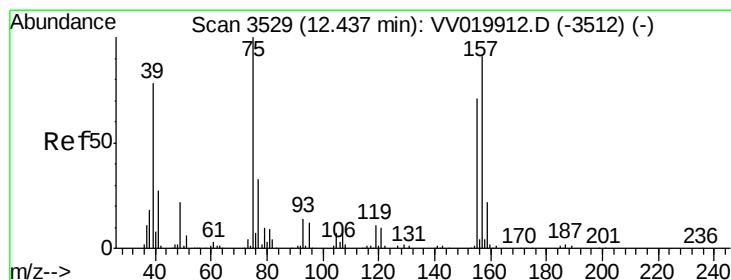
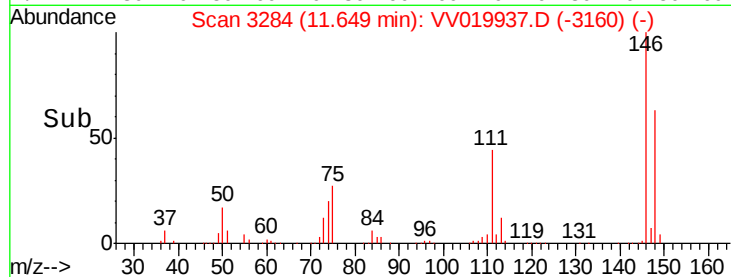
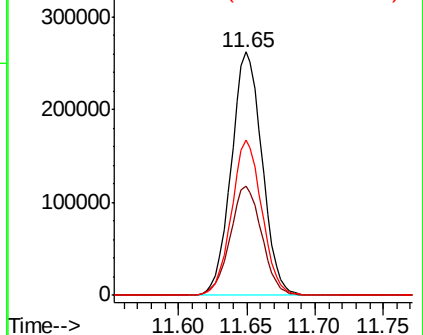
148 63.5 51.7 77.5



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: 45.064 ug/L

RT: 12.43 min Scan# 3528

Delta R.T. -0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

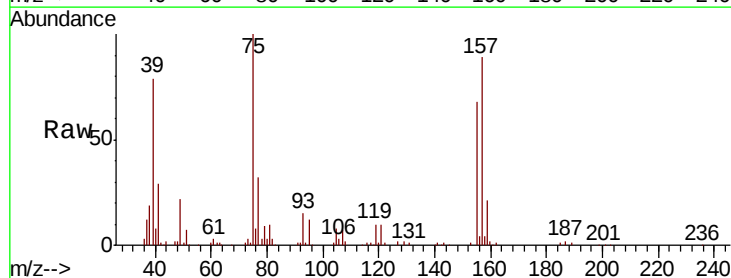
Tgt Ion: 75 Resp: 74432

Ion Ratio Lower Upper

75 100

155 68.2 59.1 88.7

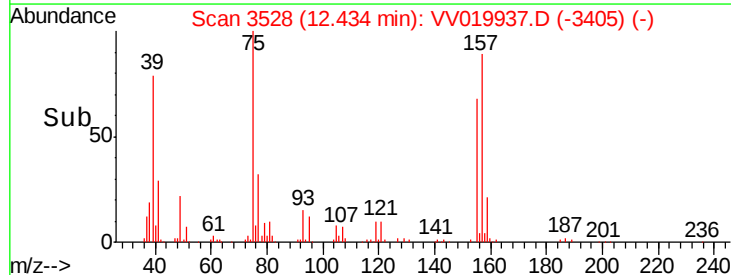
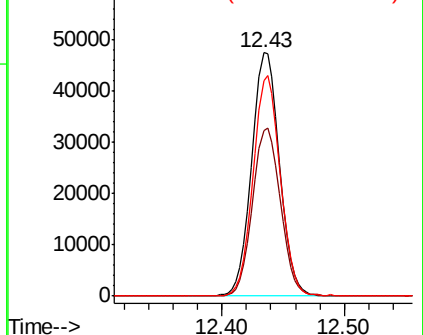
157 88.7 75.4 113.0

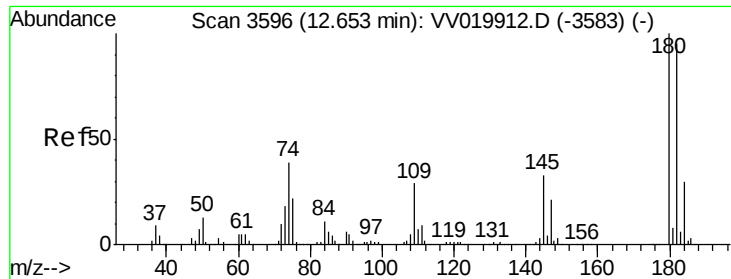


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

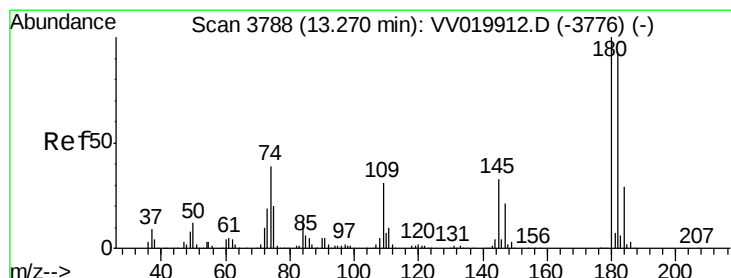
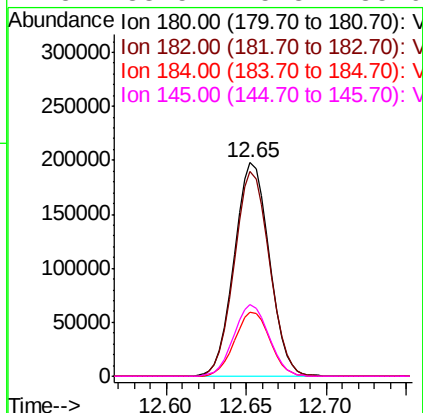
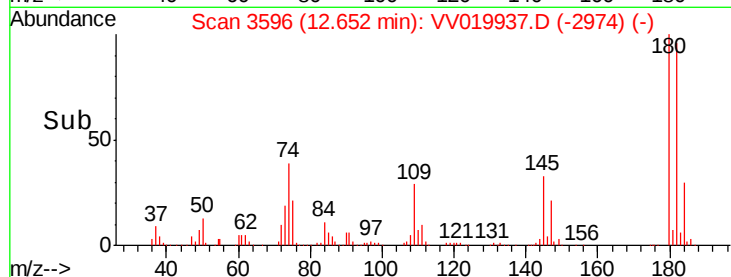
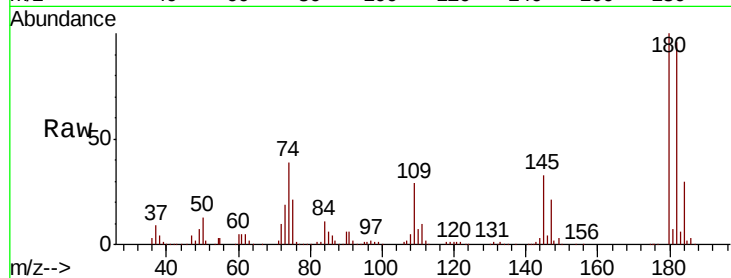




#67
 1,3,5-Trichlorobenzene
 Concen: 48.238 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VV019937.D
 Acq: 08 Jan 2021 09:26

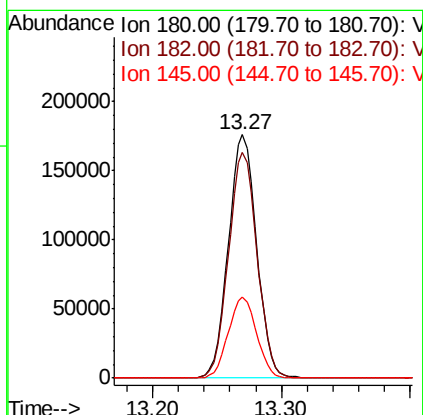
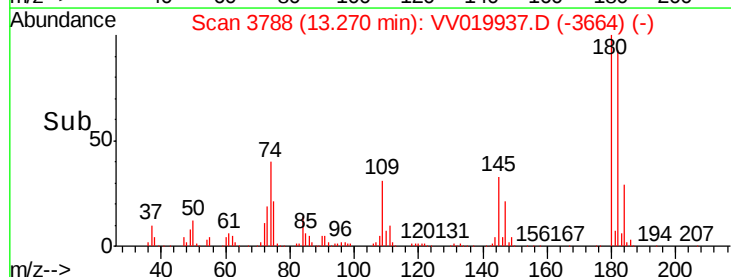
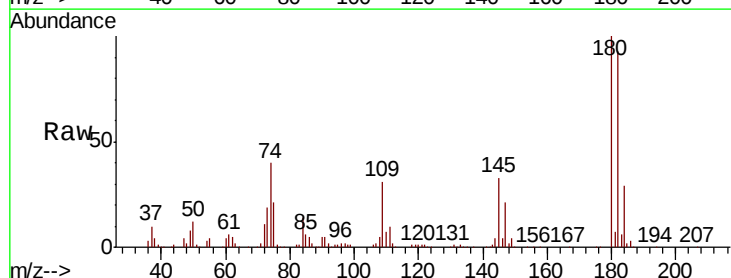
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB77

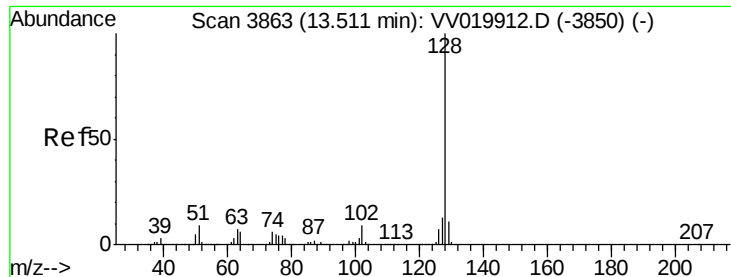
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.0	112.6
184	30.3	24.0	36.0
145	33.5	25.8	38.6



#68
 1,2,4-trichlorobenzene
 Concen: 48.934 ug/L
 RT: 13.27 min Scan# 3788
 Delta R.T. -0.00 min
 Lab File: VV019937.D
 Acq: 08 Jan 2021 09:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.1	112.7
145	33.5	26.8	40.2





#69

Naphthalene

Concen: 48.660 ug/L

RT: 13.51 min Scan# 3863

Delta R.T. -0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

Instrument :

MSVOA_V

ClientSampleId :

BFB77

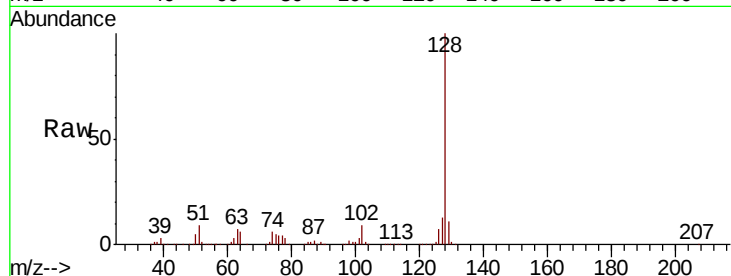
Tot Ion:128 Resp: 835784

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

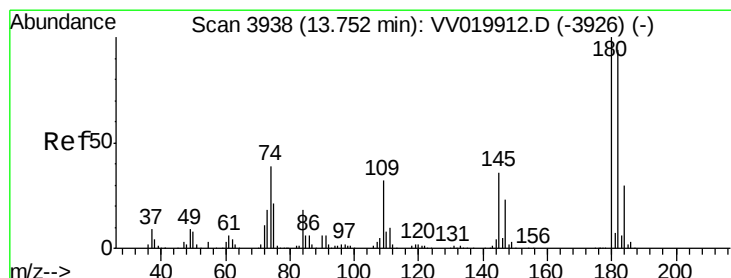
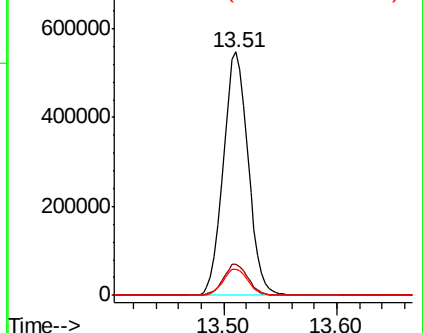
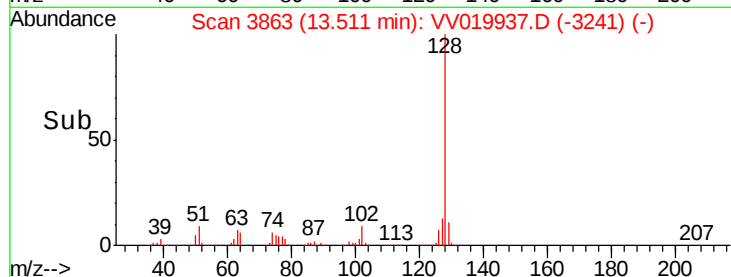
129 10.7 8.6 13.0



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: 49.011 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. -0.00 min

Lab File: VV019937.D

Acq: 08 Jan 2021 09:26

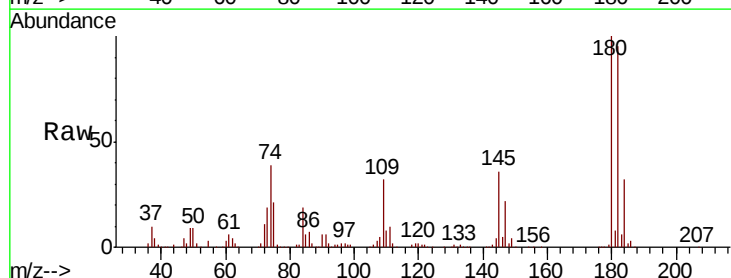
Tgt Ion:180 Resp: 260114

Ion Ratio Lower Upper

180 100

182 96.4 76.1 114.1

145 35.5 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

