

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081120\
 Data File : VV017916.D
 Acq On : 11 Aug 2020 18:32
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV62

Quant Time: Aug 11 20:03:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 20:01:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	280445	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	268813	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	137994	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	106525	49.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.56%
7) Chloroethane-d5	1.58	69	88732	50.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.38%
11) 1,1-Dichloroethene-d2	2.12	63	205608	50.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.46%
21) 2-Butanone-d5	3.91	46	141754	101.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.15%
24) Chloroform-d	4.37	84	198204	50.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.76%
26) 1,2-Dichloroethane-d4	5.05	65	128404	50.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.50%
32) Benzene-d6	5.07	84	384960	51.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.92%
36) 1,2-Dichloropropane-d6	6.09	67	124426	51.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.74%
41) Toluene-d8	7.34	98	351436	52.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.50%
43) trans-1,3-Dichloropropene-	7.64	79	59730	54.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.74%
47) 2-Hexanone-d5	8.11	63	82233	105.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.80%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	159448	50.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.12%
64) 1,2-Dichlorobenzene-d4	11.65	152	139123	51.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.46%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	103185	47.658	ug/L 99
3) Chloromethane	1.25	50	121176	48.179	ug/L 99
5) Vinyl chloride	1.32	62	121943	48.935	ug/L 98
6) Bromomethane	1.53	94	73145	49.112	ug/L 99
8) Chloroethane	1.59	64	78155	49.139	ug/L 99
9) Trichlorofluoromethane	1.76	101	172309	48.407	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	97222	48.916	ug/L 99
12) 1,1-Dichloroethene	2.13	96	91826	48.812	ug/L 97
13) Acetone	2.19	43	108546	74.986	ug/L 98
14) Carbon disulfide	2.31	76	260235	50.261	ug/L 100
15) Methyl Acetate	2.45	43	111196	47.600	ug/L 100
16) Methylene chloride	2.52	84	115858	48.342	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	95358	49.312	ug/L 100
18) Methyl tert-butyl Ether	2.78	73	316598	49.505	ug/L 100
19) 1,1-Dichloroethane	3.21	63	191512	49.253	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	105665	49.724	ug/L 100
22) 2-Butanone	4.00	43	155896	96.000	ug/L 99

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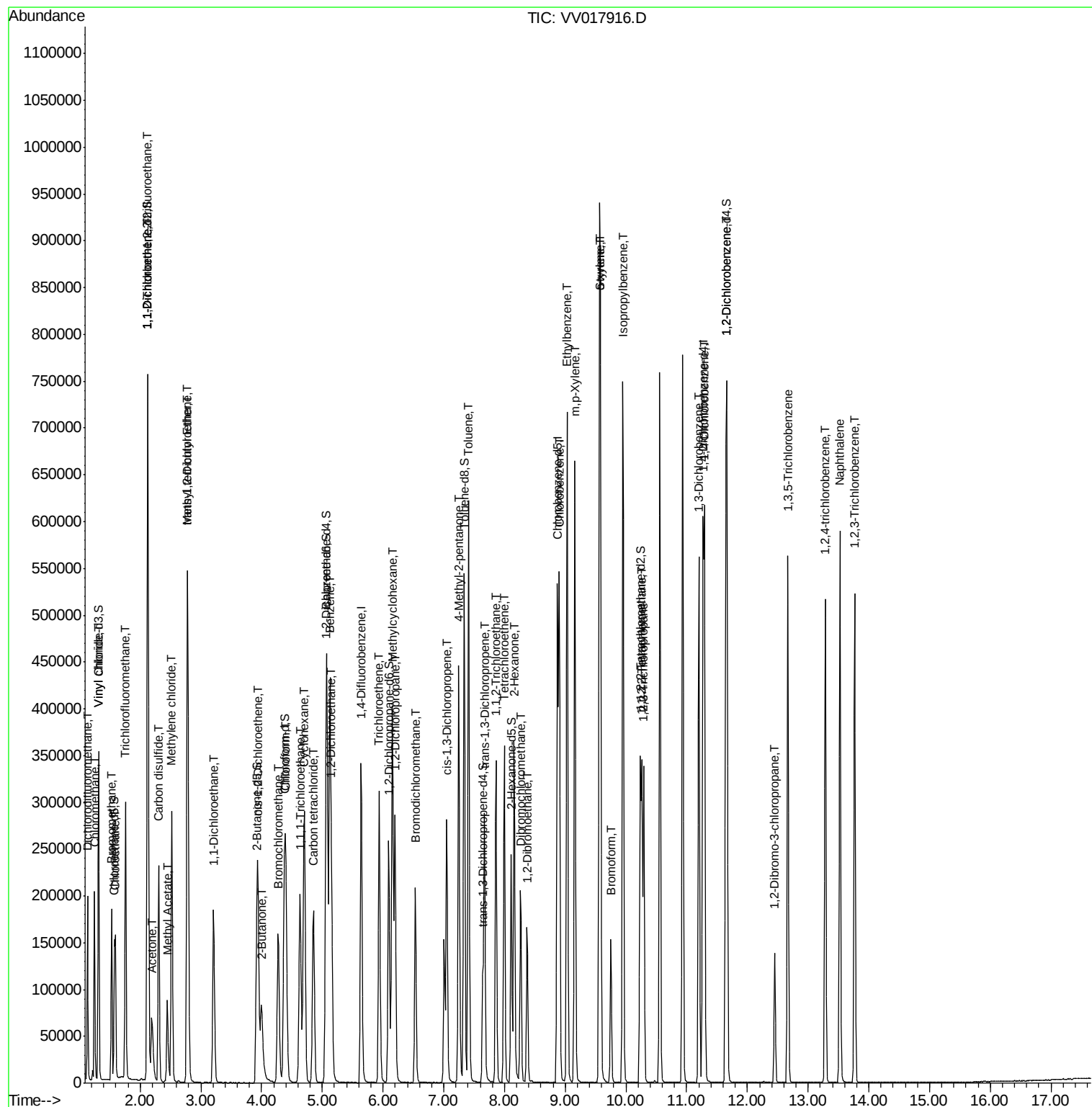
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	53849	48.507	ug/L	99
25) Chloroform	4.40	83	193220	48.719	ug/L	99
27) 1,2-Dichloroethane	5.15	62	152157	48.201	ug/L	98
29) Cyclohexane	4.70	56	164851	50.811	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	163549	49.648	ug/L	100
31) Carbon tetrachloride	4.85	117	139340	50.811	ug/L	98
33) Benzene	5.12	78	417070	50.149	ug/L	100
34) Trichloroethene	5.94	95	107078	48.709	ug/L	99
35) Methylcyclohexane	6.15	83	163127	49.903	ug/L	99
37) 1,2-Dichloropropane	6.20	63	114136	50.323	ug/L	100
38) Bromodichloromethane	6.53	83	139668	49.577	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	163789	50.941	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	294950	99.480	ug/L	100
42) Toluene	7.41	91	436362	50.282	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	159429	52.261	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	102637	48.866	ug/L	98
46) Tetrachloroethene	8.00	164	79773	49.480	ug/L	98
48) 2-Hexanone	8.16	43	232161	97.103	ug/L	99
49) Dibromochloromethane	8.27	129	102609	50.049	ug/L	99
50) 1,2-Dibromoethane	8.37	107	107225	49.341	ug/L	98
51) Chlorobenzene	8.90	112	272080	48.748	ug/L	99
52) Ethylbenzene	9.03	91	478684	50.588	ug/L	99
53) m,p-Xylene	9.16	106	177074	50.880	ug/L	100
54) o-xylene	9.56	106	173739	50.516	ug/L	100
55) Styrene	9.58	104	303055	51.455	ug/L	98
56) Isopropylbenzene	9.95	105	465811	51.340	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	158371	48.421	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	134772	48.115	ug/L	100
61) Bromoform	9.75	173	68055	52.121	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	216233	49.277	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	220938	49.012	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	222034	49.160	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	33737	50.697	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	166813	50.042	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	151597	51.727	ug/L	100
69) Naphthalene	13.52	128	431575	53.427	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	152858	51.288	ug/L	100

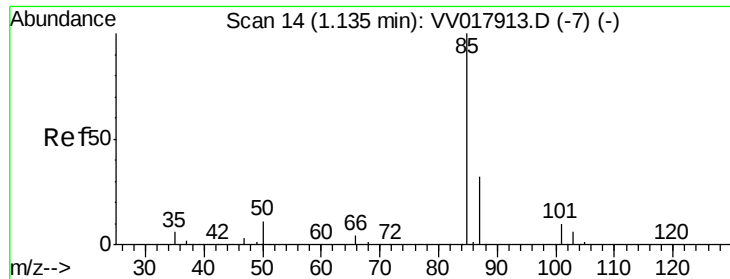
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.658 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

Instrument :

MSVOA_V

ClientSampleId :

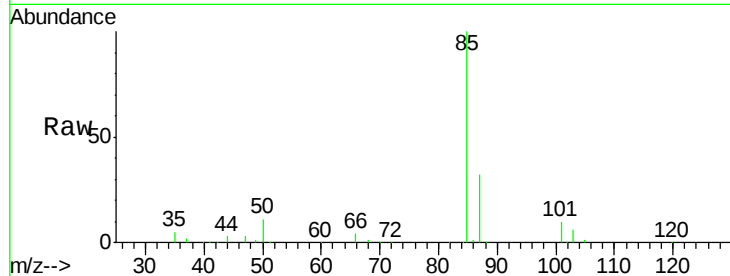
VICV62

Tgt Ion: 85 Resp: 103185

Ion Ratio Lower Upper

85 100

87 32.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

120000

100000

80000

60000

40000

20000

0

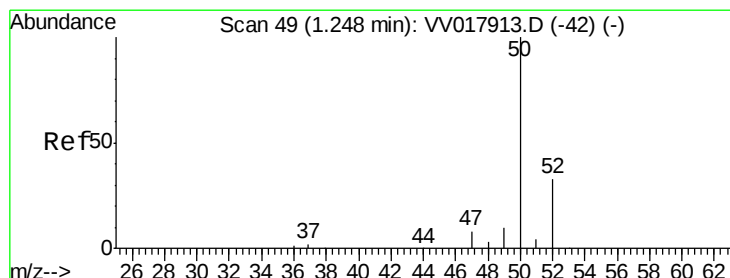
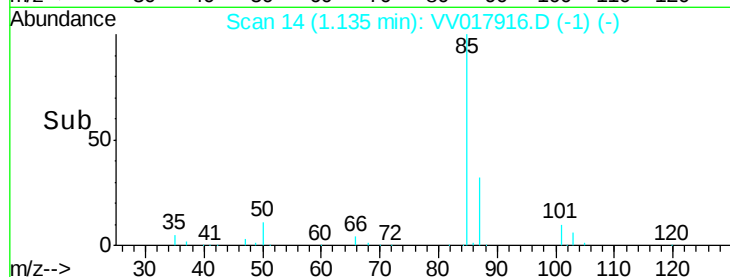
1.10

1.14

1.15

1.20

Time-->



#3

Chloromethane

Concen: 48.179 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017916.D

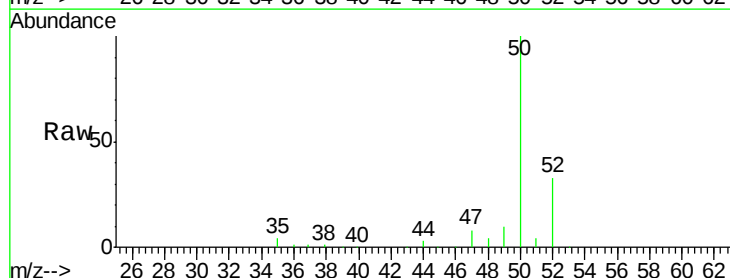
Acq: 11 Aug 2020 18:32

Tgt Ion: 50 Resp: 121176

Ion Ratio Lower Upper

50 100

52 32.8 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

100000

50000

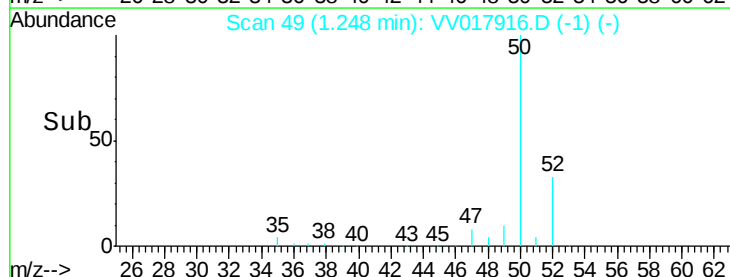
0

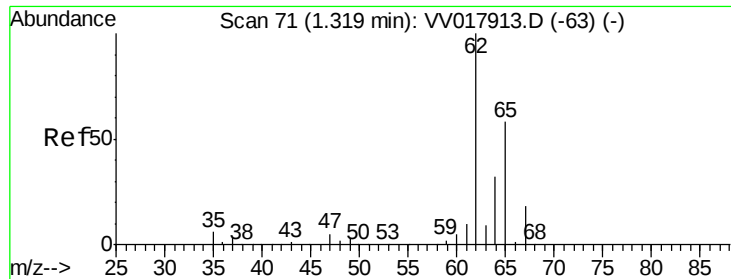
1.20

1.25

1.30

Time-->





#5

Vinyl chloride

Concen: 48.935 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

Instrument :

MSVOA_V

ClientSampleId :

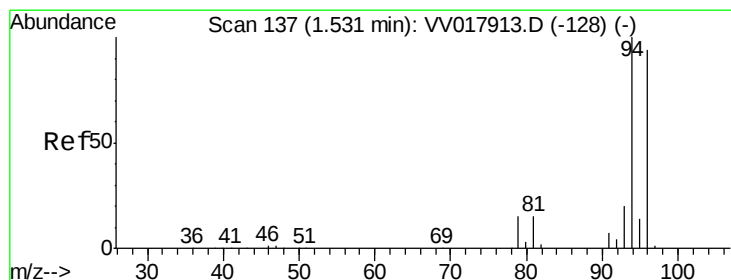
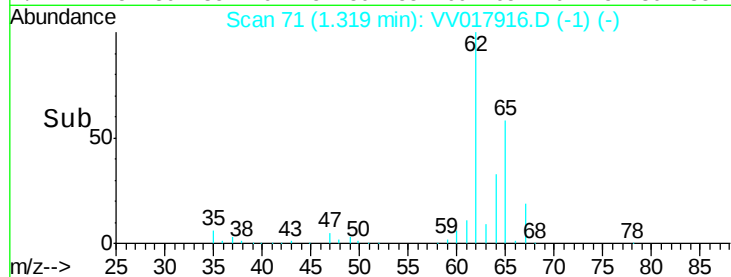
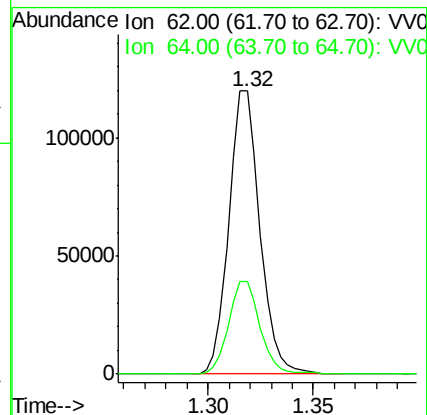
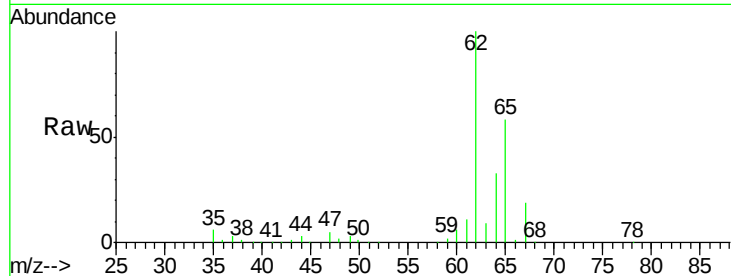
VICV62

Tgt Ion: 62 Resp: 121943

Ion Ratio Lower Upper

62 100

64 32.9 22.4 41.6



#6

Bromomethane

Concen: 49.112 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017916.D

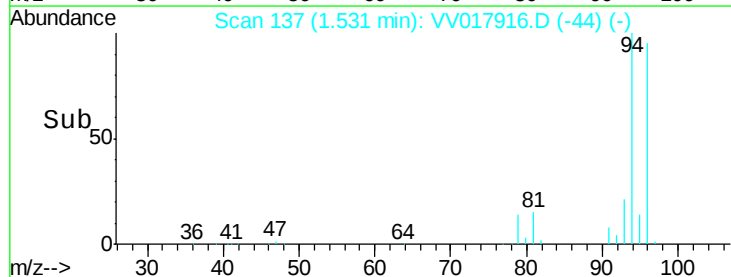
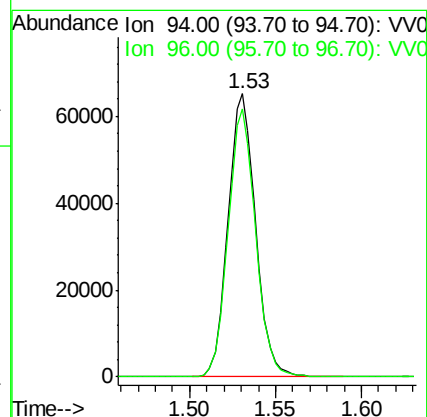
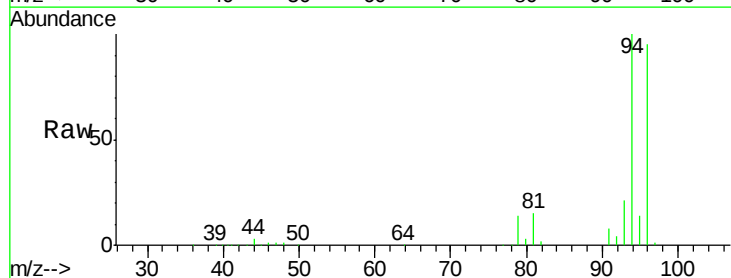
Acq: 11 Aug 2020 18:32

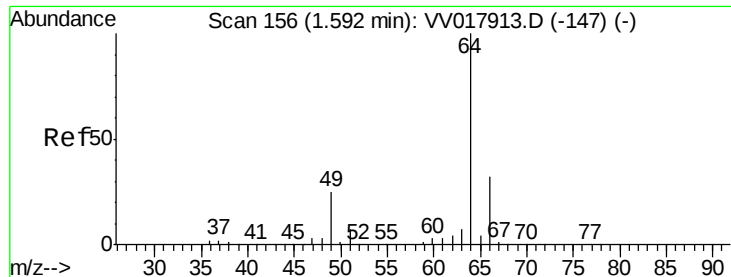
Tgt Ion: 94 Resp: 73145

Ion Ratio Lower Upper

94 100

96 94.7 65.5 121.7





#8

Chloroethane

Concen: 49.139 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

Instrument :

MSVOA_V

ClientSampleId :

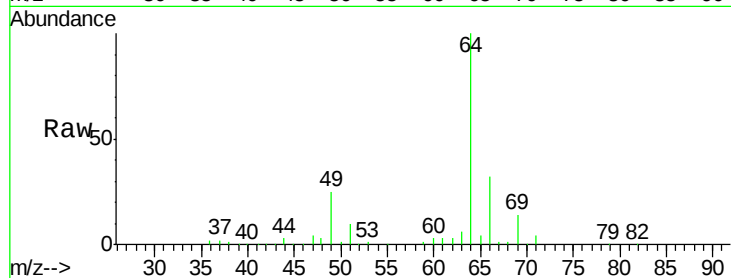
VICV62

Tgt Ion: 64 Resp: 78155

Ion Ratio Lower Upper

64 100

66 32.3 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV017916.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV017916.D (-147) (-)

1.59

80000

60000

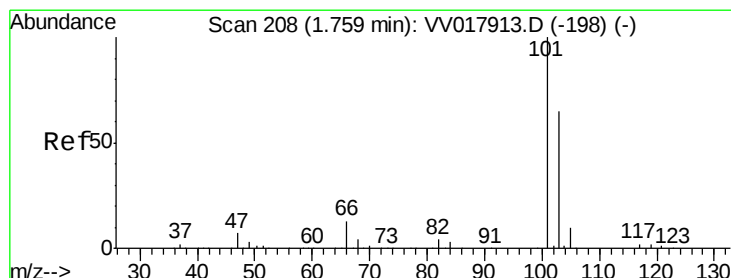
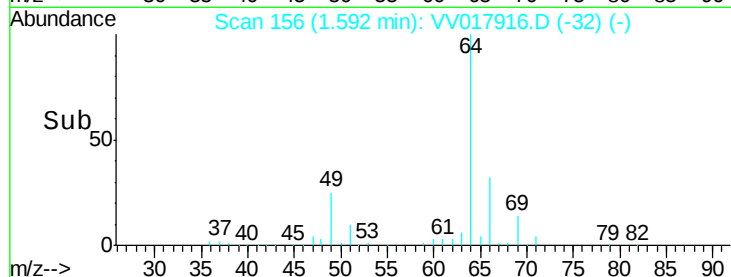
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 48.407 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV017916.D

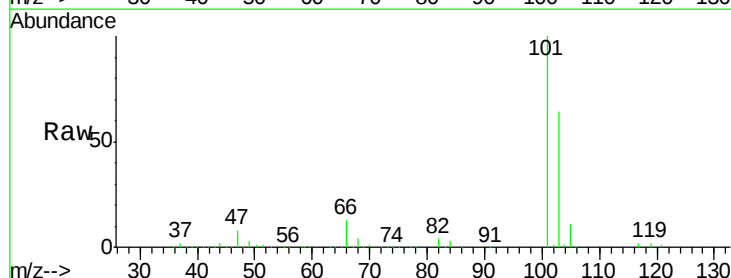
Acq: 11 Aug 2020 18:32

Tgt Ion: 101 Resp: 172309

Ion Ratio Lower Upper

101 100

103 64.0 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV017916.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV017916.D (-198) (-)

1.76

150000

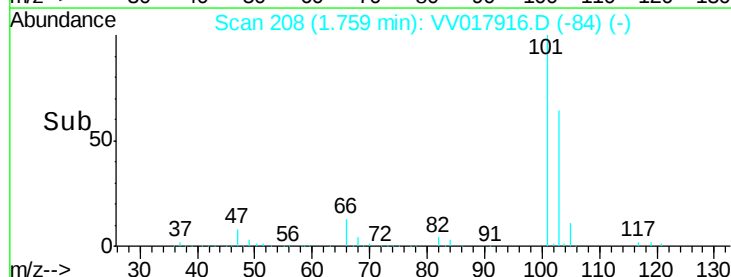
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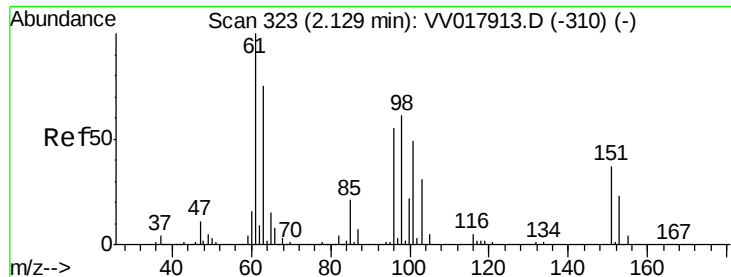
50000

0

1.70 1.75 1.80

Time-->





#10

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

Concen: 48.916 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

Instrument :

MSVOA_V

ClientSampleId :

VICV62

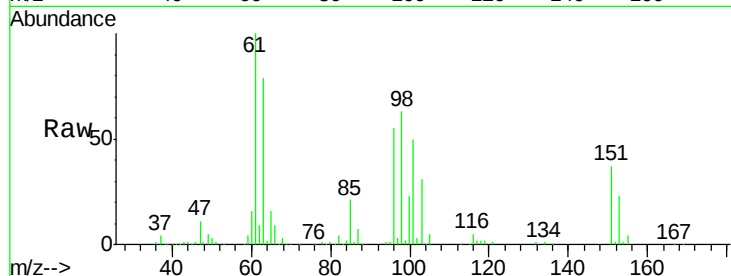
Tgt Ion: 101 Resp: 97222

Ion Ratio Lower Upper

101 100

85 42.7 34.9 52.3

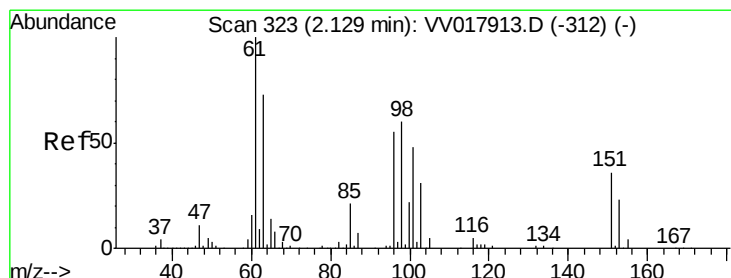
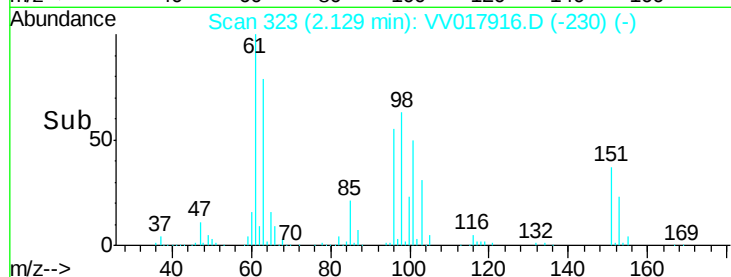
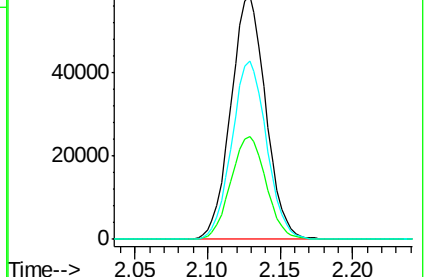
151 73.3 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): VV017916.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV017916.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV017916.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 48.812 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

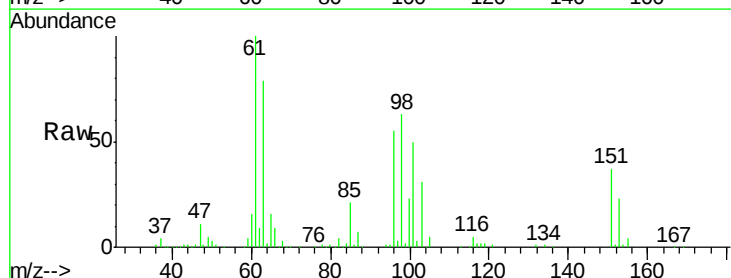
Tgt Ion: 96 Resp: 91826

Ion Ratio Lower Upper

96 100

61 181.7 127.1 236.0

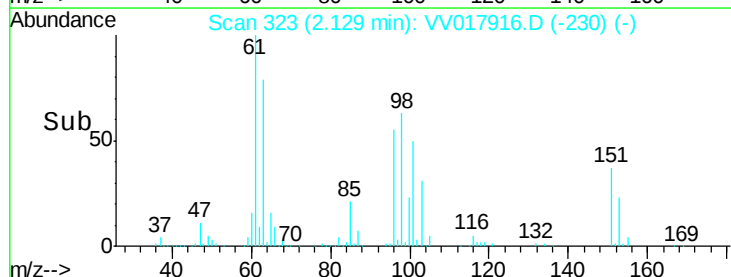
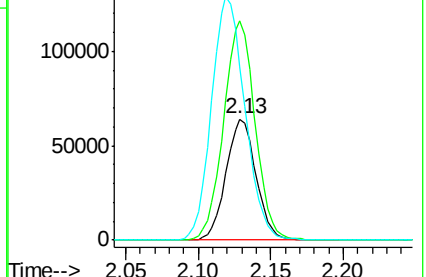
63 143.3 95.2 176.8

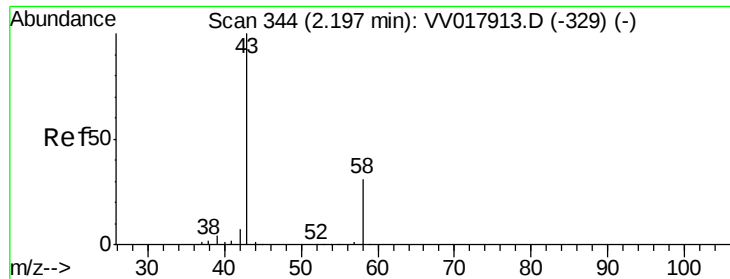


Abundance Ion 96.00 (95.70 to 96.70): VV017916.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV017916.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV017916.D (-230) (-)





#13

Acetone

Concen: 74.986 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

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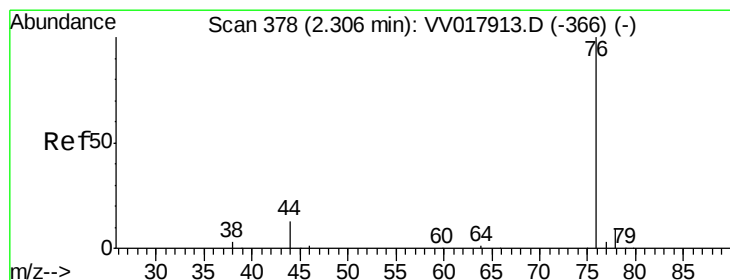
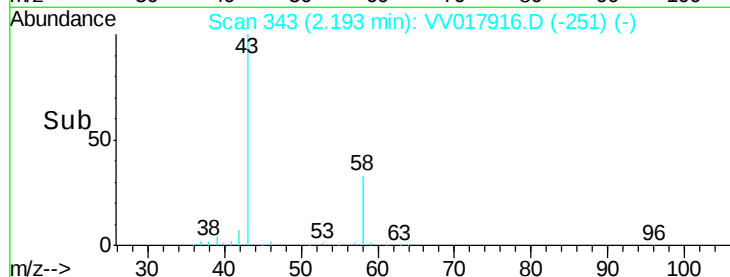
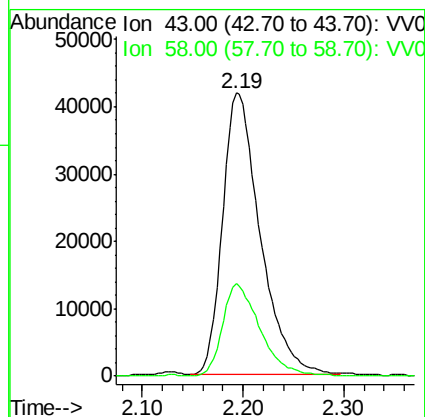
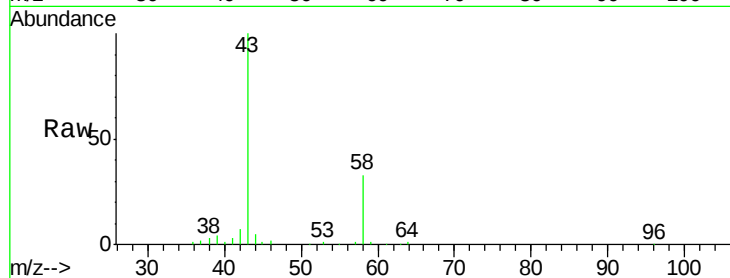
VICV62

Tgt Ion: 43 Resp: 108546

Ion Ratio Lower Upper

43 100

58 32.9 0.0 63.6



#14

Carbon disulfide

Concen: 50.261 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017916.D

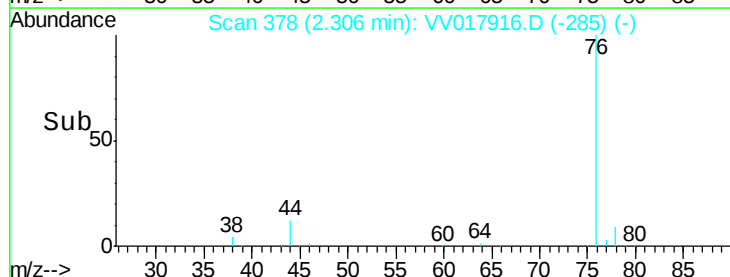
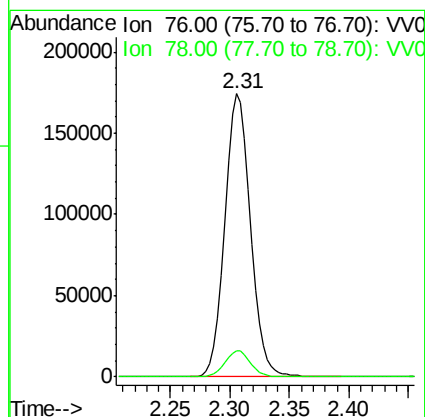
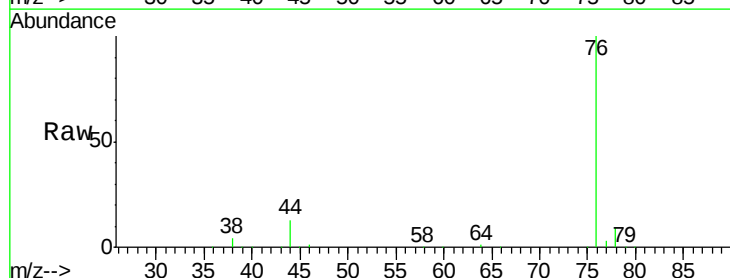
Acq: 11 Aug 2020 18:32

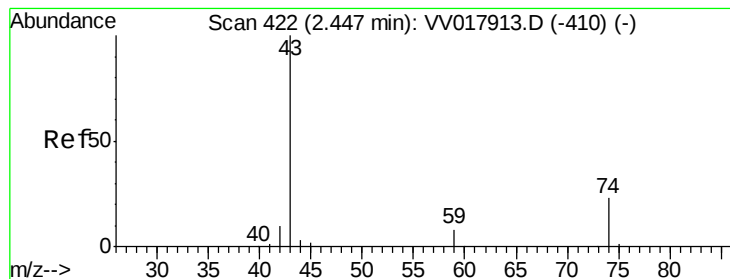
Tgt Ion: 76 Resp: 260235

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2





#15

Methyl Acetate

Concen: 47.600 ug/L

RT: 2.45 min Scan# 422

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

Instrument :

MSVOA_V

ClientSampleId :

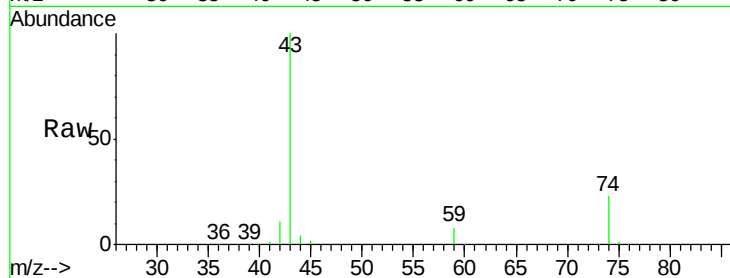
VICV62

Tgt Ion: 43 Resp: 111196

Ion Ratio Lower Upper

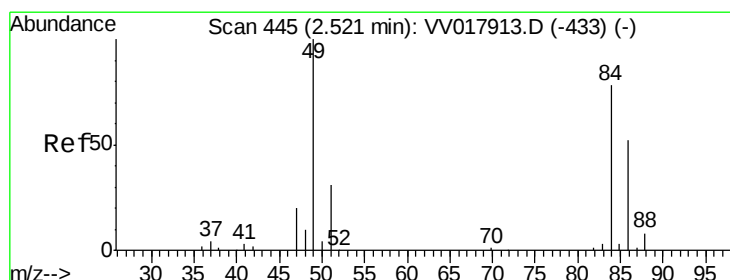
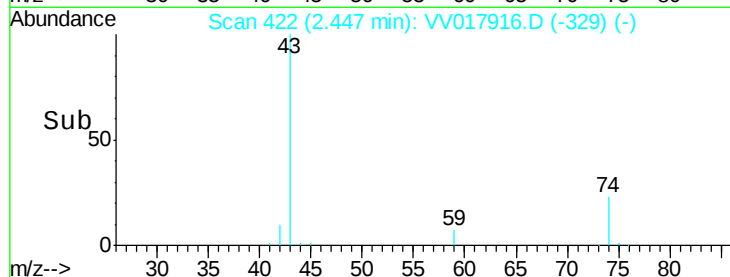
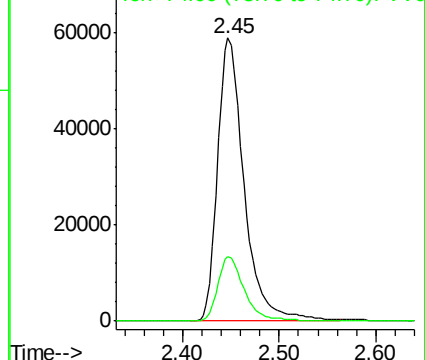
43 100

74 23.0 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 48.342 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

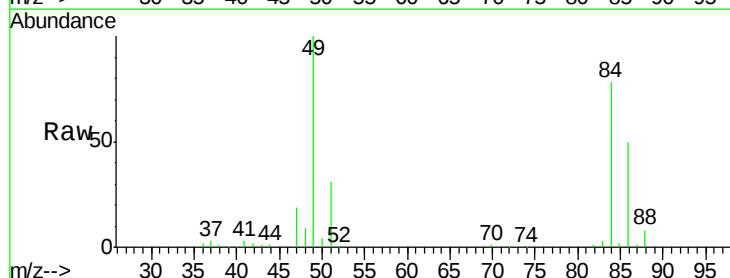
Tgt Ion: 84 Resp: 115858

Ion Ratio Lower Upper

84 100

86 63.8 46.3 85.9

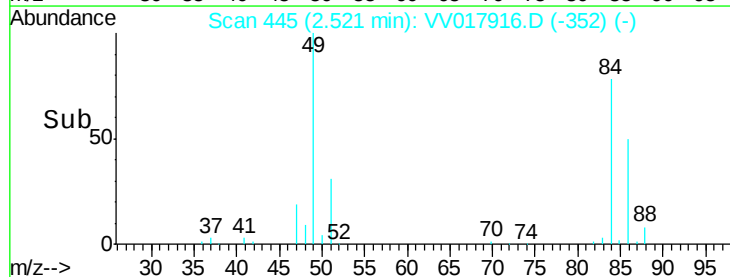
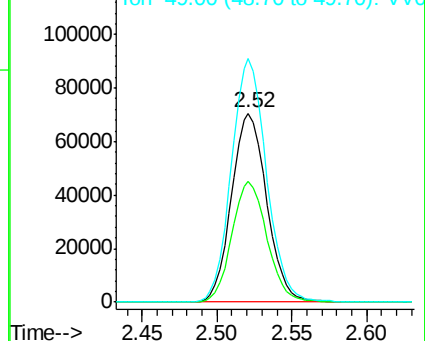
49 128.8 89.7 166.5

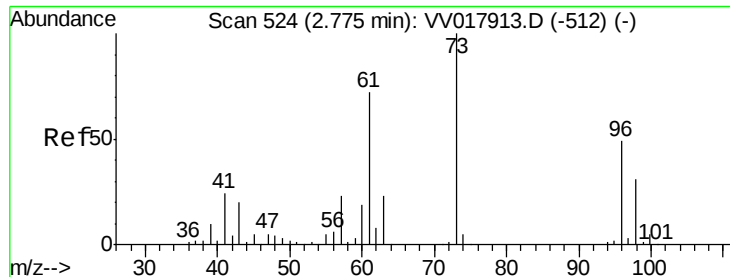


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

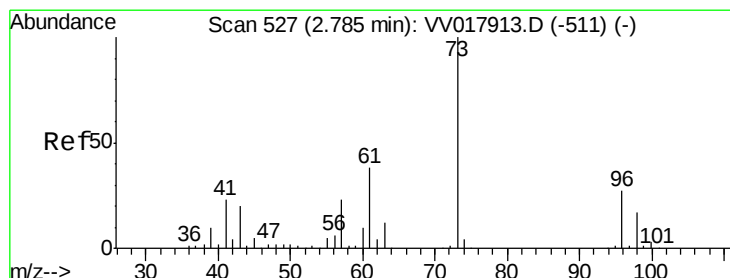
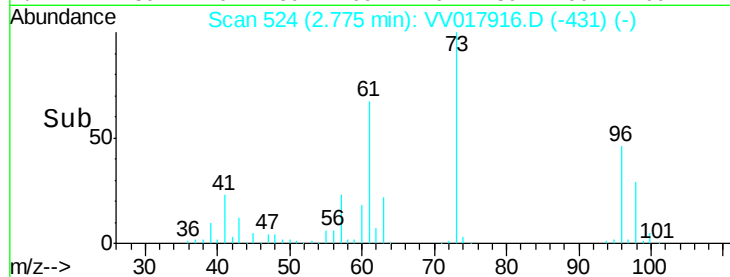
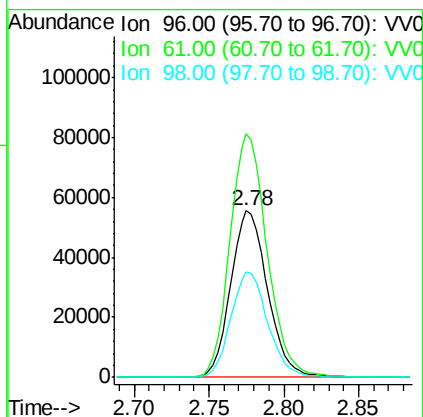
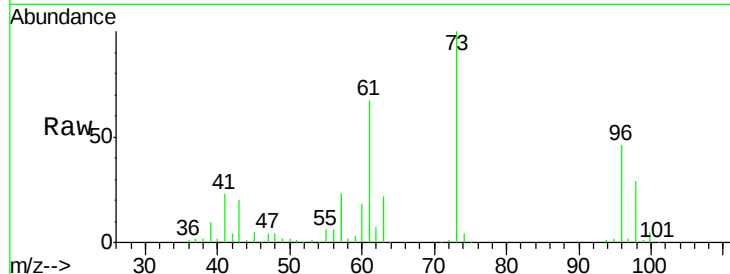




#17
trans-1,2-Dichloroethene
Concen: 49.312 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV017916.D
Acq: 11 Aug 2020 18:32

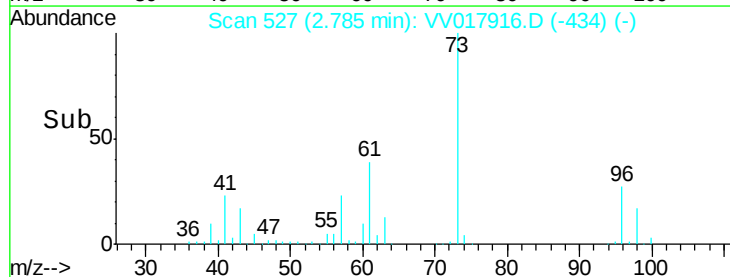
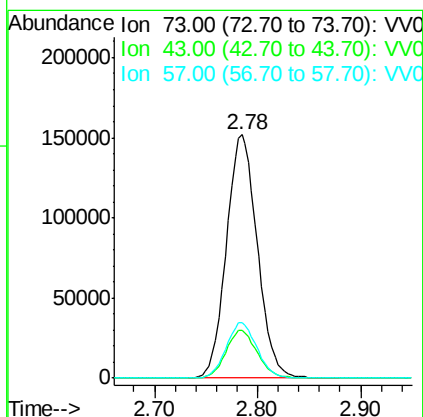
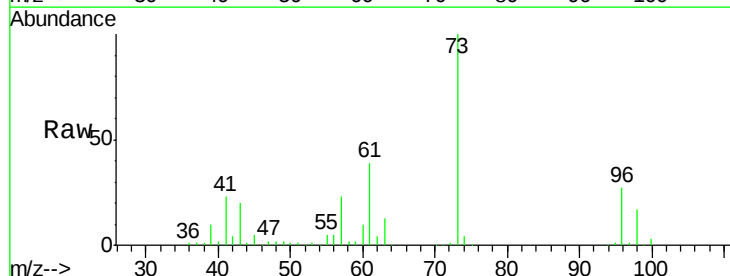
Instrument :
MSVOA_V
ClientSampled :
VICV62

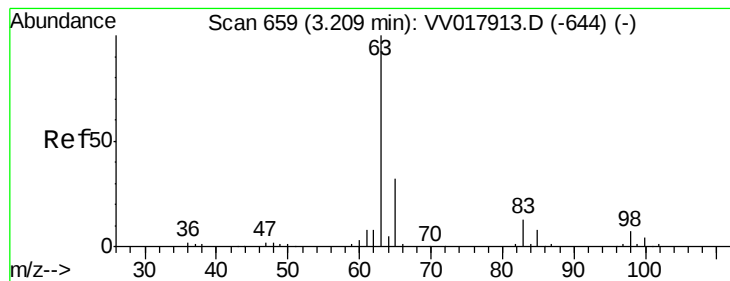
Tgt Ion: 96 Resp: 95358
Ion Ratio Lower Upper
96 100
61 146.4 102.4 190.2
98 63.4 44.4 82.5



#18
Methyl tert-butyl Ether
Concen: 49.505 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV017916.D
Acq: 11 Aug 2020 18:32

Tgt Ion: 73 Resp: 316598
Ion Ratio Lower Upper
73 100
43 19.5 15.9 23.9
57 22.7 18.1 27.1





#19

1,1-Dichloroethane

Concen: 49.253 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

Instrument :

MSVOA_V

ClientSampleId :

VICV62

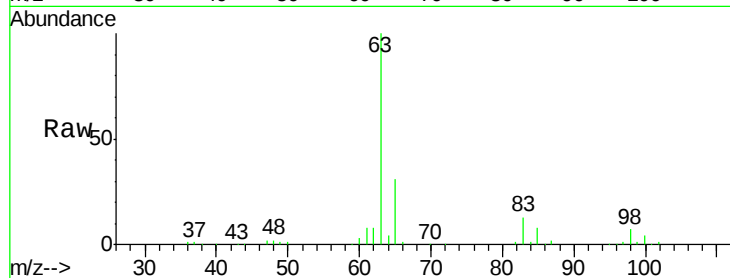
Tgt Ion: 63 Resp: 191512

Ion Ratio Lower Upper

63 100

65 31.2 22.5 41.7

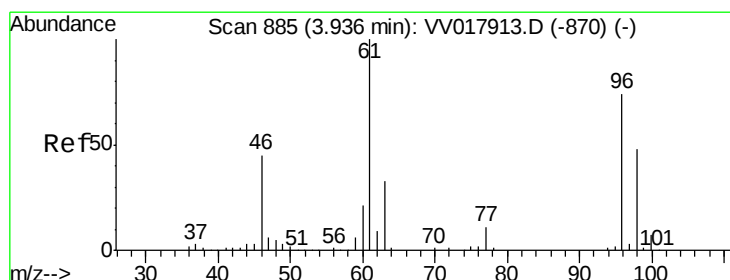
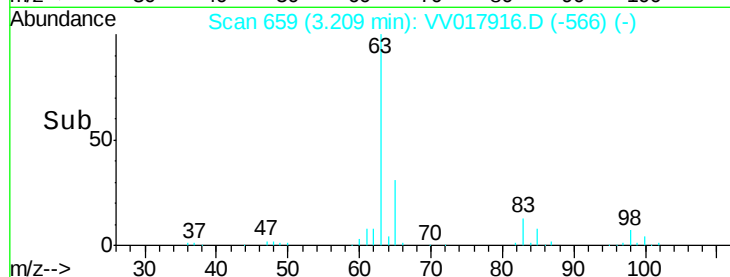
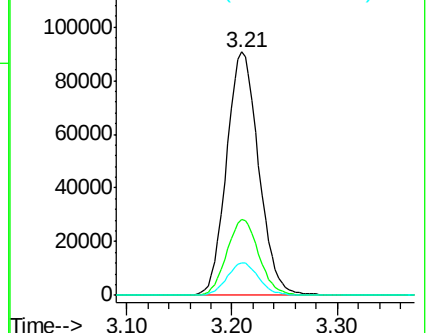
83 13.3 9.2 17.2



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: 49.724 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

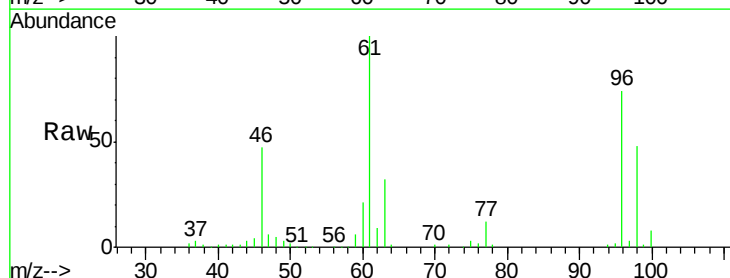
Tgt Ion: 96 Resp: 105665

Ion Ratio Lower Upper

96 100

61 135.5 95.0 176.4

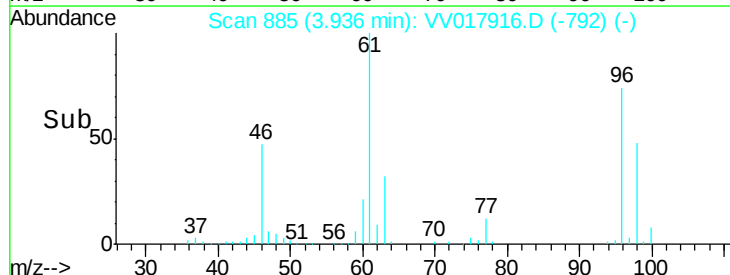
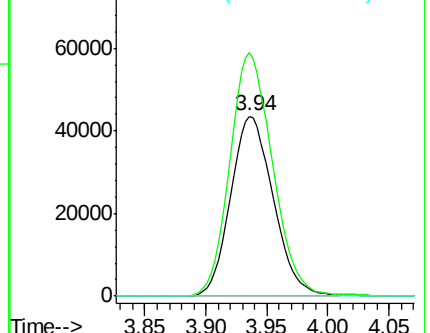
68 0.0 0.0 0.0

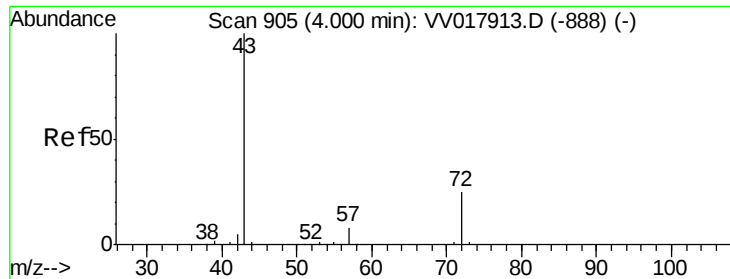


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 96.000 ug/L

RT: 4.00 min Scan# 904

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

Instrument :

MSVOA_V

ClientSampled :

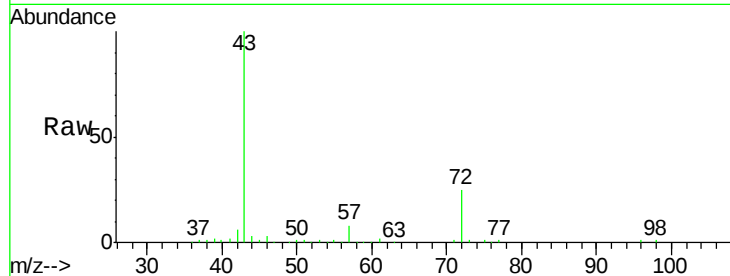
VICV62

Tgt Ion: 43 Resp: 155896

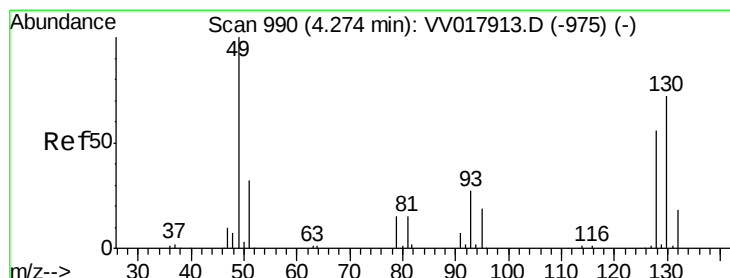
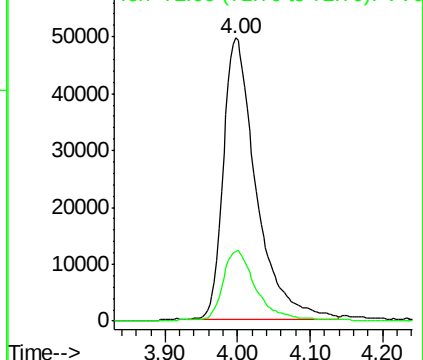
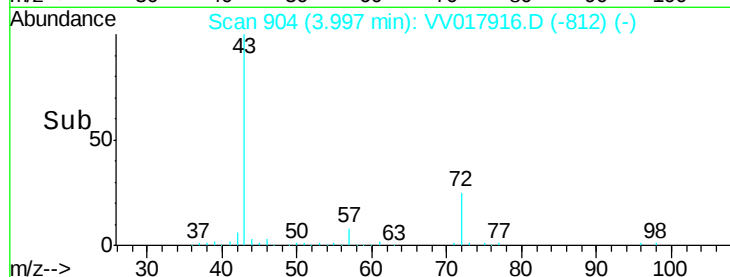
Ion Ratio Lower Upper

43 100

72 24.7 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV017916.D (-812) (-)



#23

Bromochloromethane

Concen: 48.507 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

Tgt Ion: 128 Resp: 53849

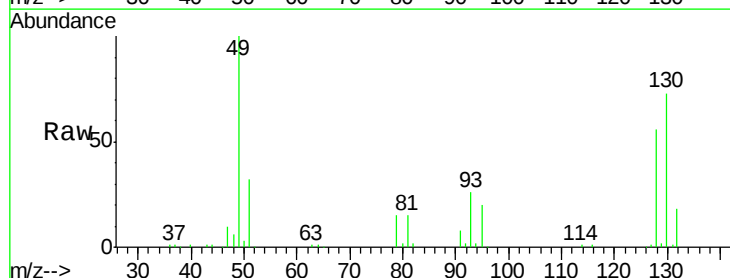
Ion Ratio Lower Upper

128 100

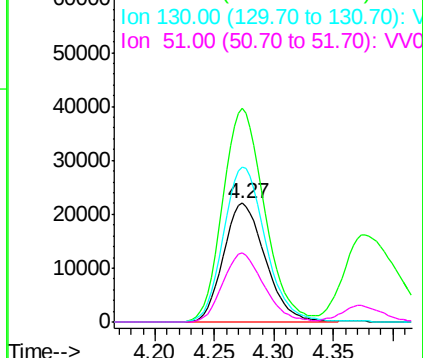
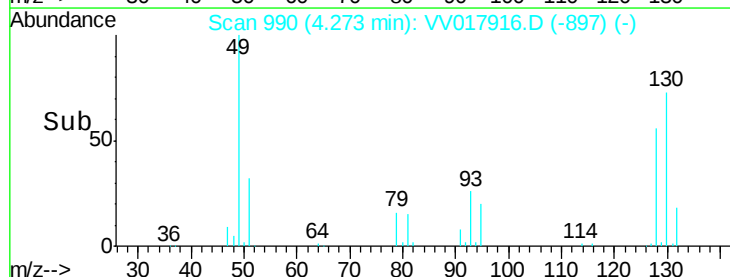
49 179.7 125.6 233.3

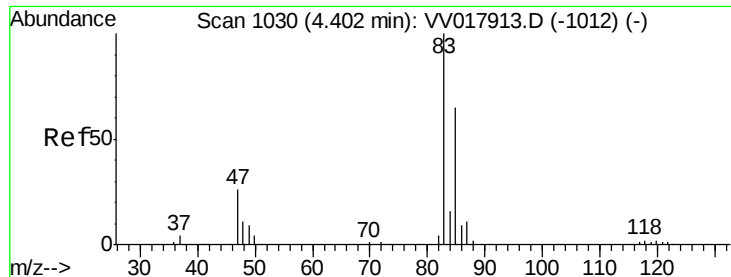
130 130.8 89.9 167.0

51 57.7 45.8 68.6



Abundance Ion 128.00 (127.70 to 128.70): VV017916.D (-897) (-)

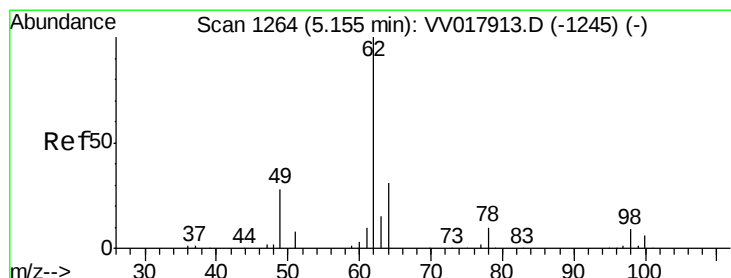
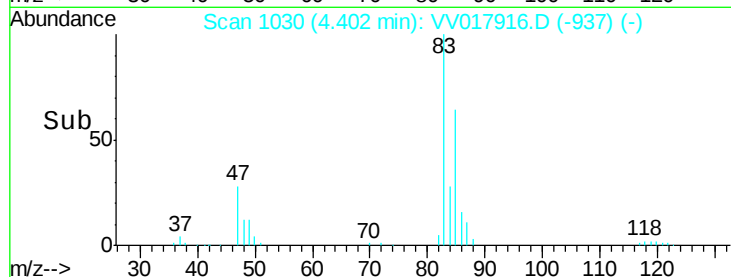
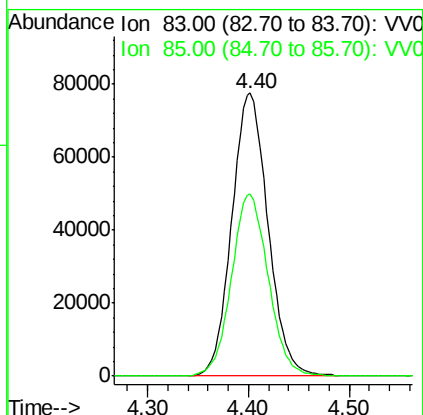
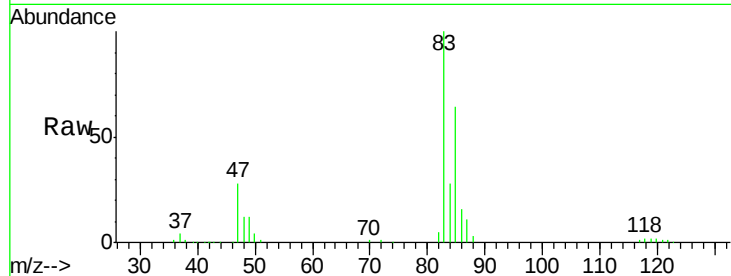




#25
Chloroform
Concen: 48.719 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV017916.D
Acq: 11 Aug 2020 18:32

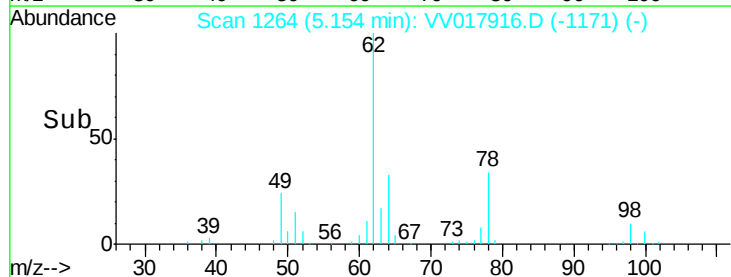
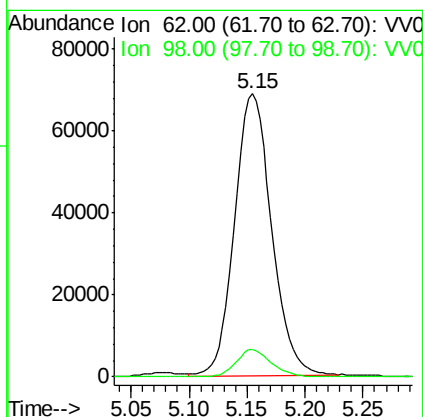
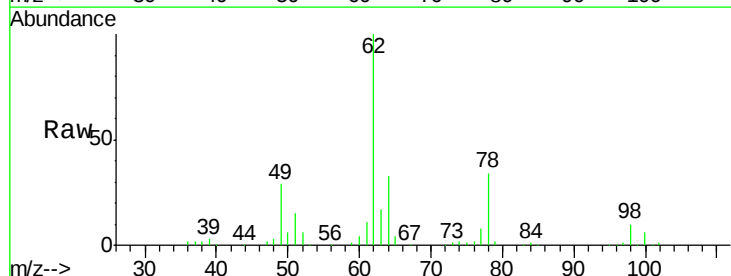
Instrument :
MSVOA_V
ClientSampleId :
VICV62

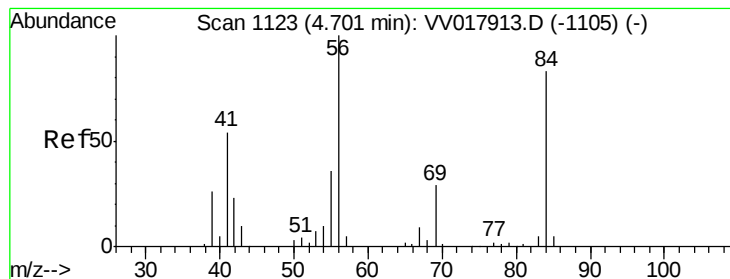
Tgt Ion: 83 Resp: 193220
Ion Ratio Lower Upper
83 100
85 64.2 45.5 84.5



#27
1,2-Dichloroethane
Concen: 48.201 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV017916.D
Acq: 11 Aug 2020 18:32

Tgt Ion: 62 Resp: 152157
Ion Ratio Lower Upper
62 100
98 9.8 7.1 10.7





#29

Cyclohexane

Concen: 50.811 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

Instrument :

MSVOA_V

ClientSampleId :

VICV62

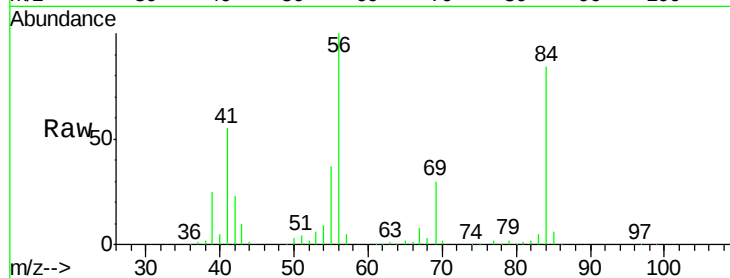
Tgt Ion: 56 Resp: 164851

Ion Ratio Lower Upper

56 100

69 30.1 23.8 35.8

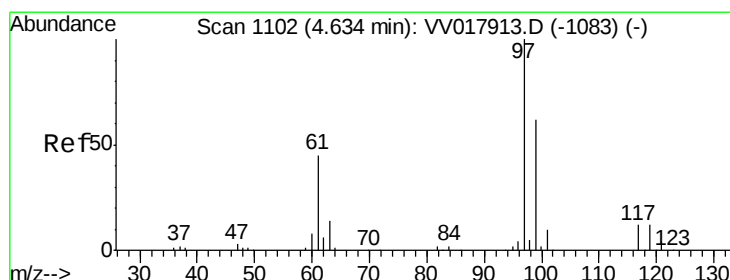
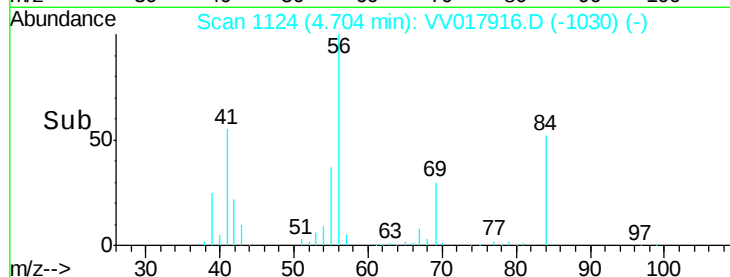
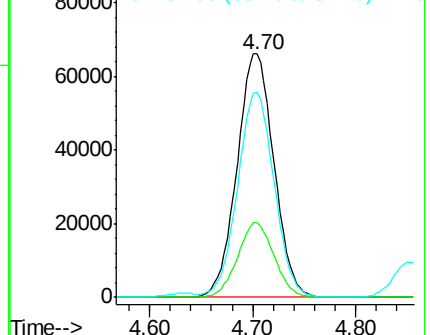
84 83.3 66.8 100.2



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 49.648 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

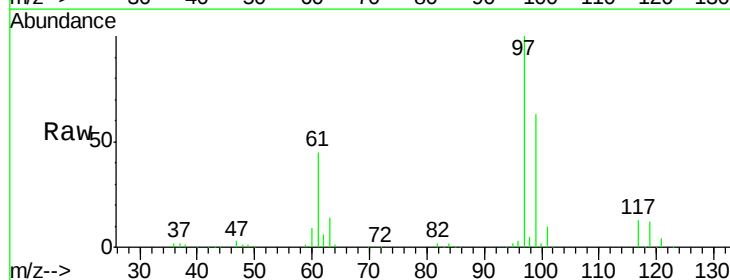
Tgt Ion: 97 Resp: 163549

Ion Ratio Lower Upper

97 100

99 63.5 50.6 76.0

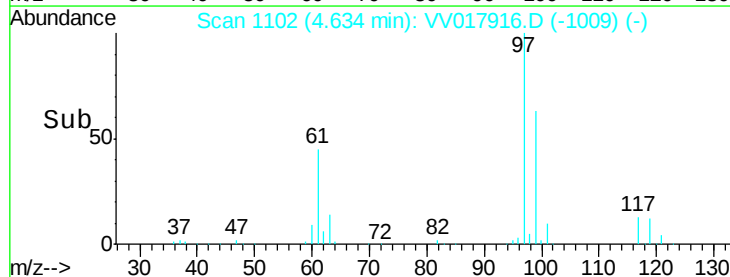
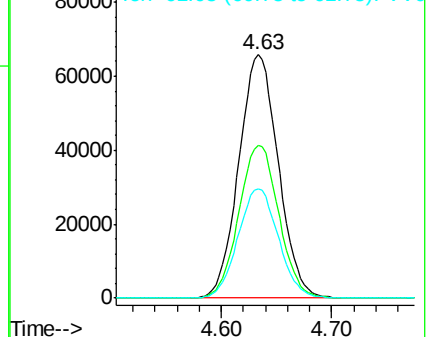
61 45.9 37.0 55.6

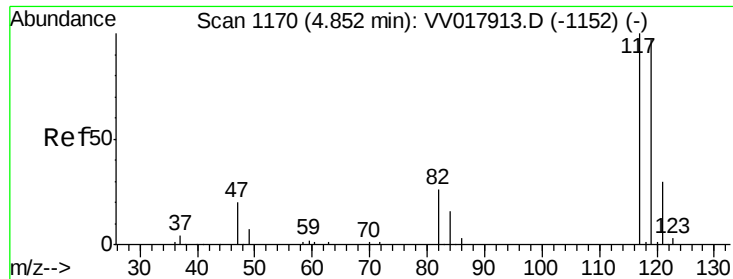


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 50.811 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

Instrument :

MSVOA_V

ClientSampleId :

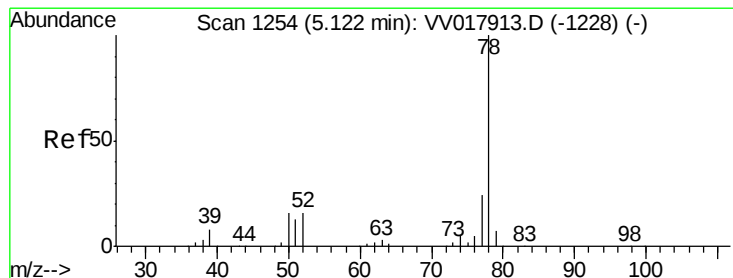
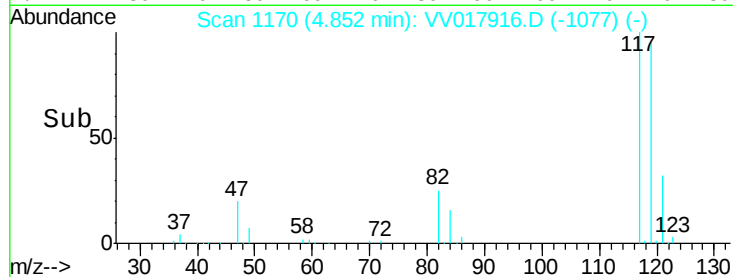
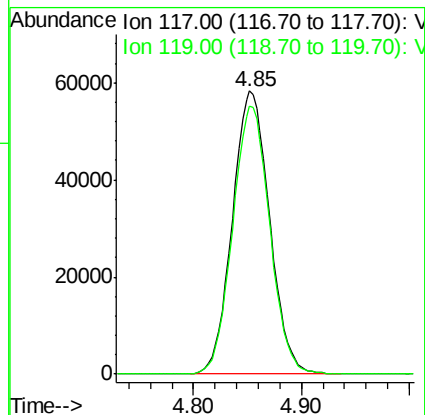
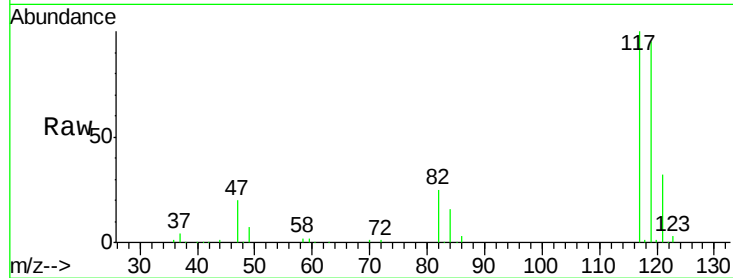
VICV62

Tgt Ion:117 Resp: 139340

Ion Ratio Lower Upper

117 100

119 94.7 77.0 115.6



#33

Benzene

Concen: 50.149 ug/L

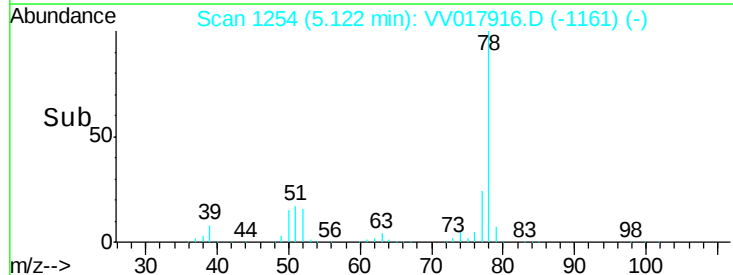
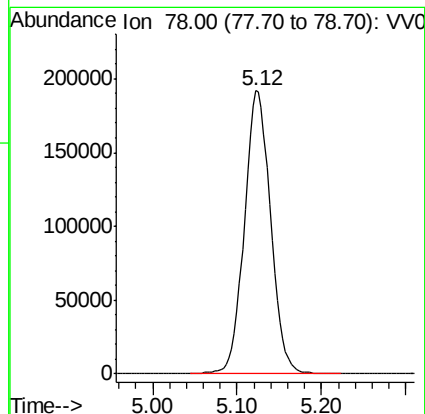
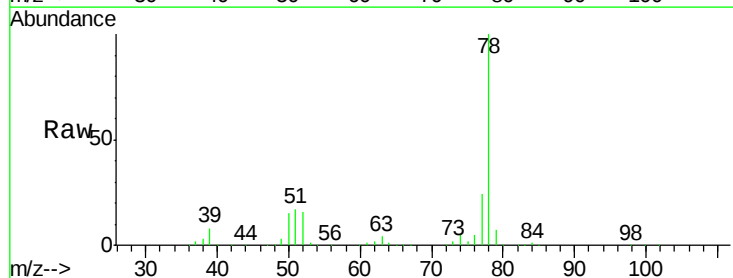
RT: 5.12 min Scan# 1254

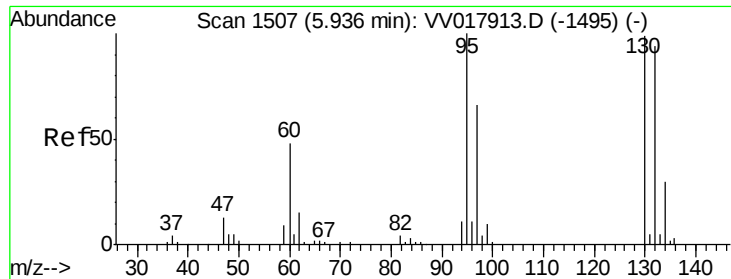
Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

Tgt Ion: 78 Resp: 417070





#34

Trichloroethene

Concen: 48.709 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

Instrument :

MSVOA_V

ClientSampleId :

VICV62

Tgt Ion: 95 Resp: 107078

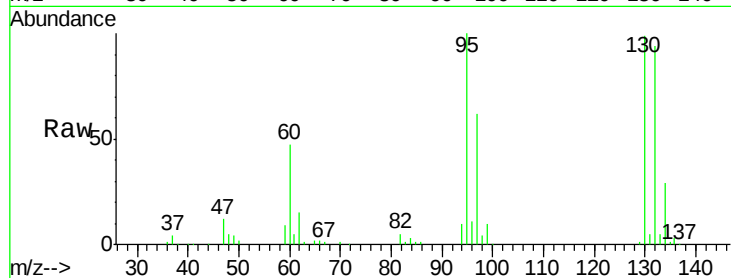
Ion Ratio Lower Upper

95 100

97 62.5 46.0 85.4

132 93.6 65.8 122.2

130 98.6 69.2 128.6

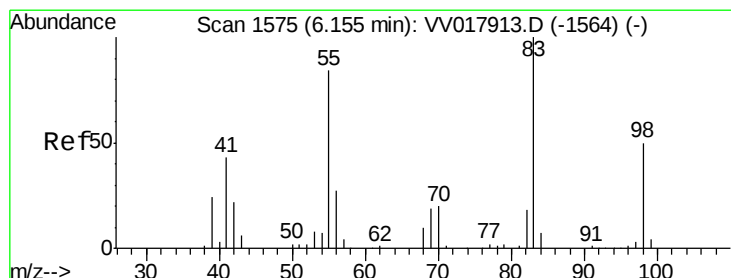
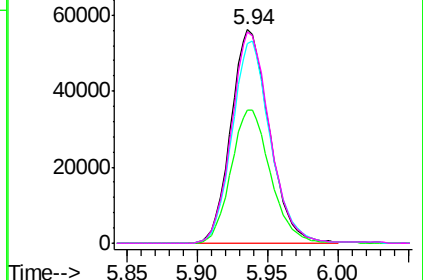
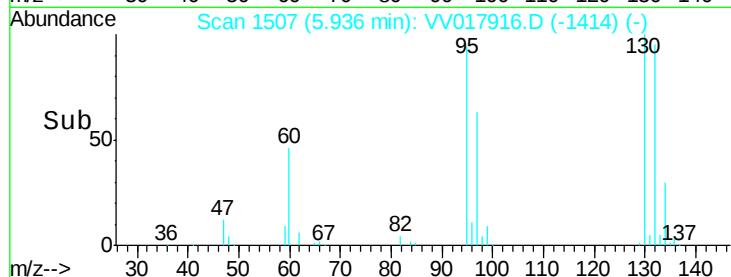


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 49.903 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

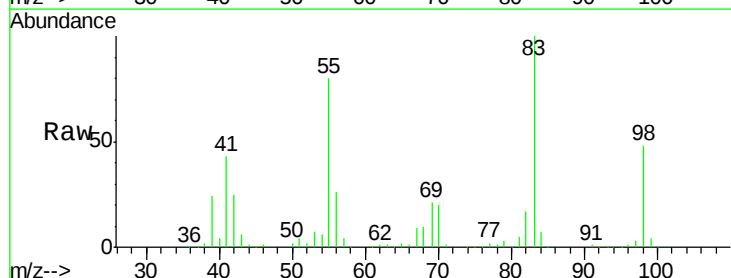
Tgt Ion: 83 Resp: 163127

Ion Ratio Lower Upper

83 100

55 80.2 64.9 97.3

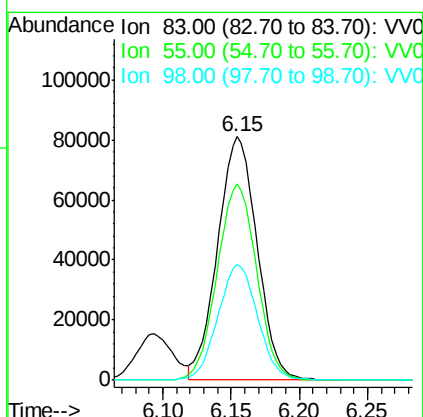
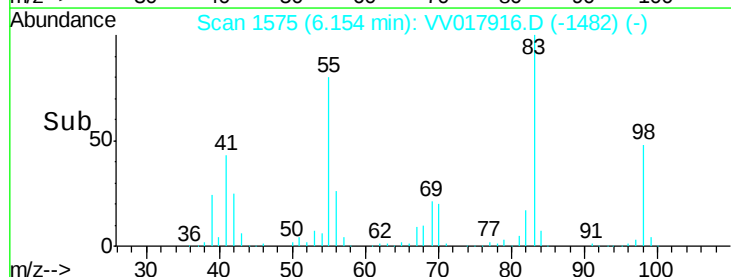
98 47.9 38.7 58.1

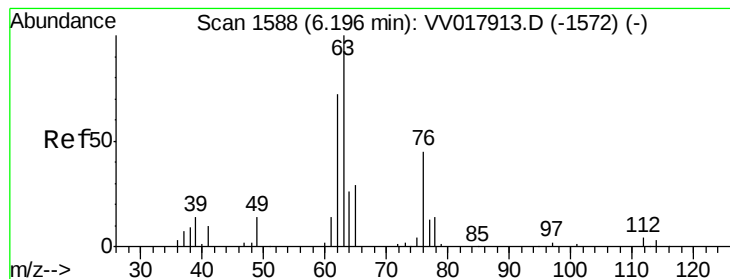


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 50.323 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

Instrument :

MSVOA_V

ClientSampleId :

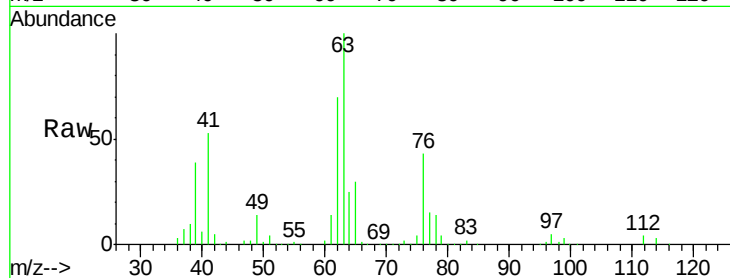
VICV62

Tgt Ion: 63 Resp: 114136

Ion Ratio Lower Upper

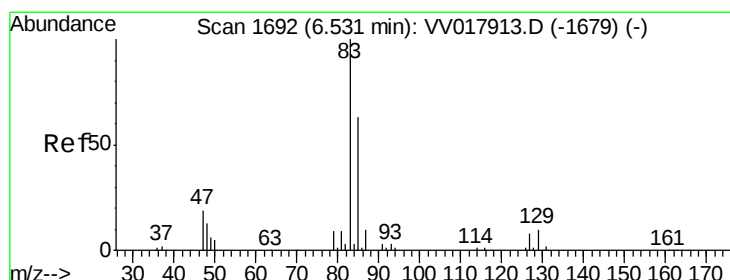
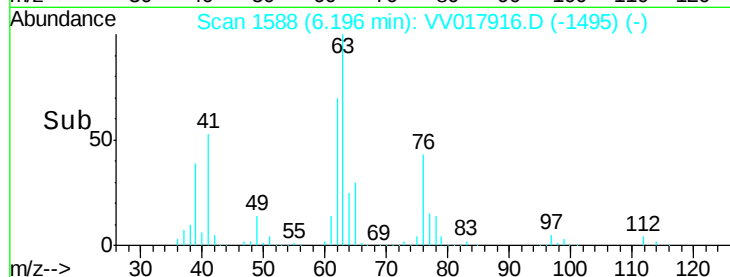
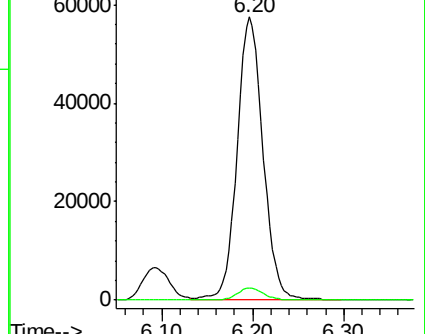
63 100

112 4.4 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 49.577 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

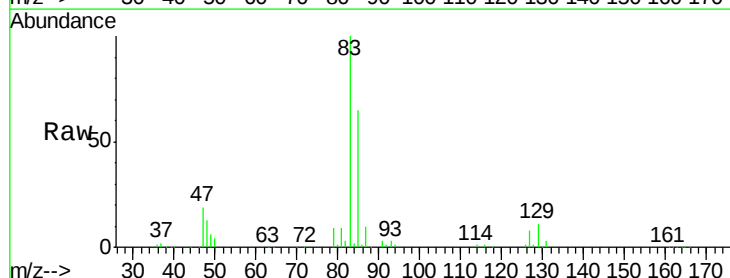
Tgt Ion: 83 Resp: 139668

Ion Ratio Lower Upper

83 100

85 64.7 44.3 82.3

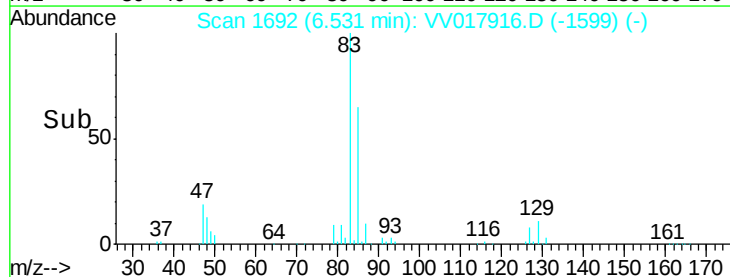
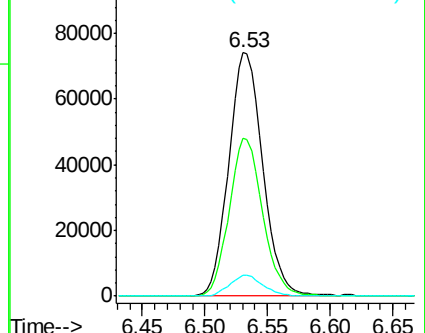
127 8.4 6.5 9.7

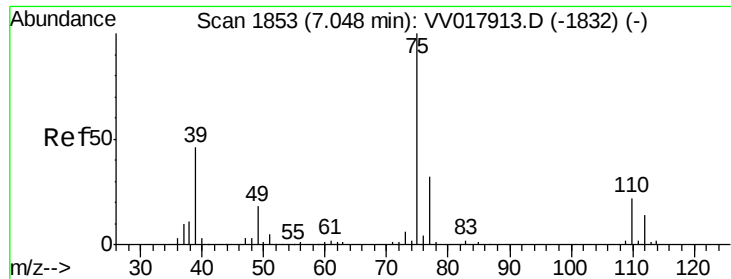


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): V

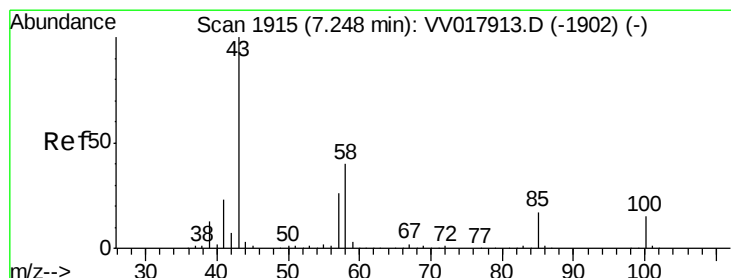
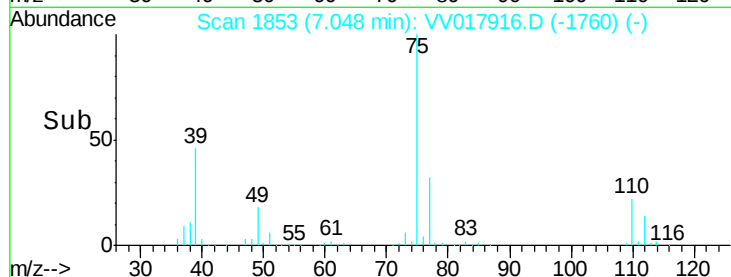
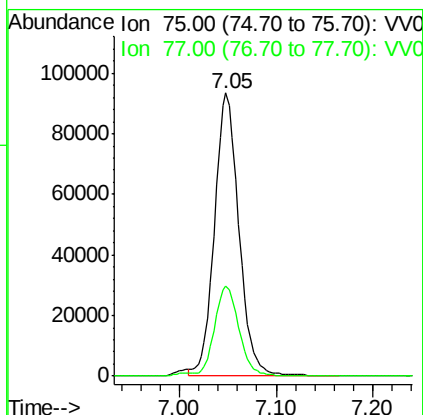
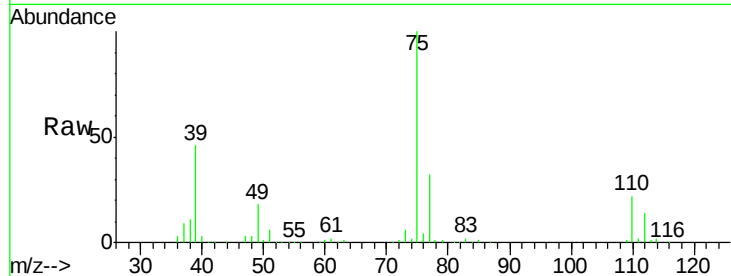




#39
 cis-1,3-Dichloropropene
 Concen: 50.941 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV017916.D
 Acq: 11 Aug 2020 18:32

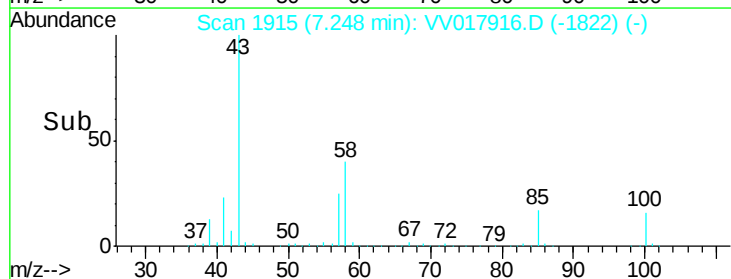
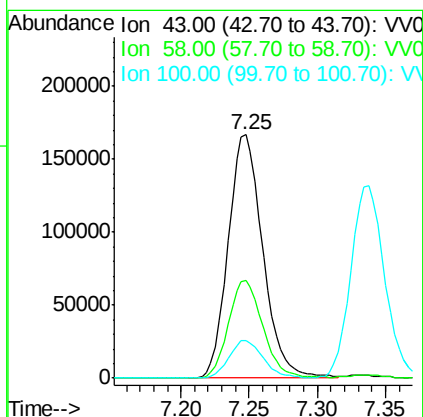
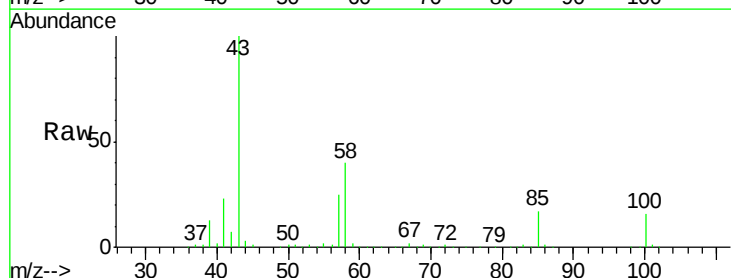
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV62

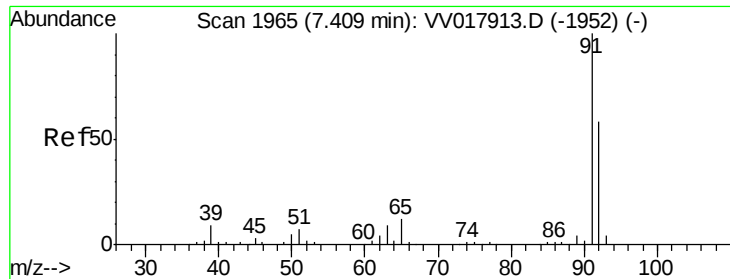
Tgt Ion: 75 Resp: 163789
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 99.480 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VV017916.D
 Acq: 11 Aug 2020 18:32

Tgt Ion: 43 Resp: 294950
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.9 47.9
 100 15.3 12.2 18.2





#42

Toluene

Concen: 50.282 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

Instrument :

MSVOA_V

ClientSampleId :

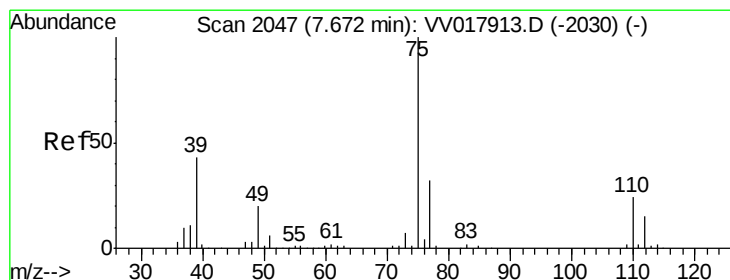
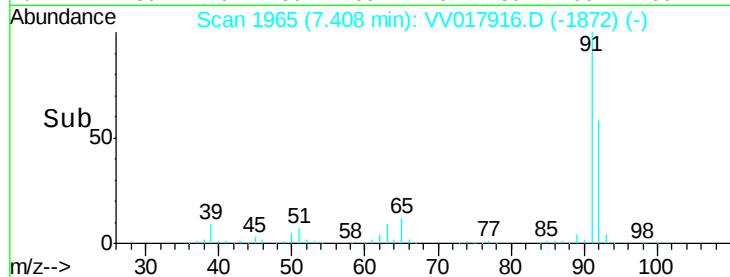
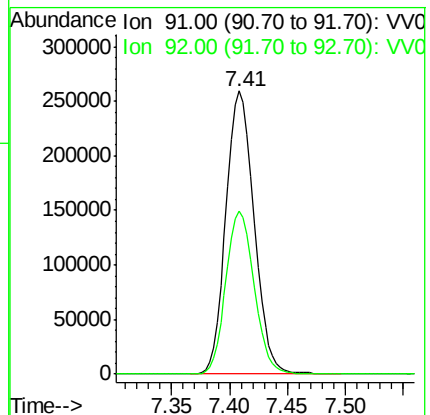
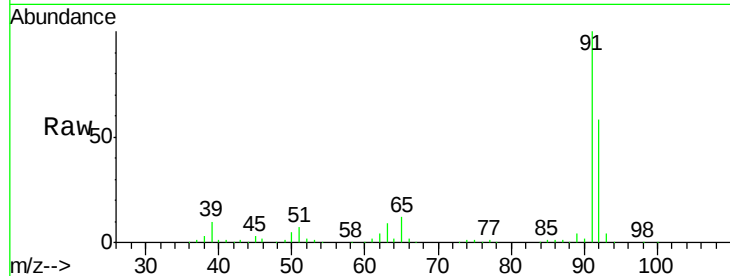
VICV62

Tgt Ion: 91 Resp: 436362

Ion Ratio Lower Upper

91 100

92 57.6 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 52.261 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV017916.D

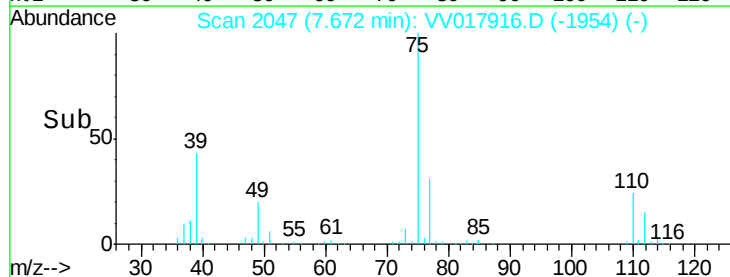
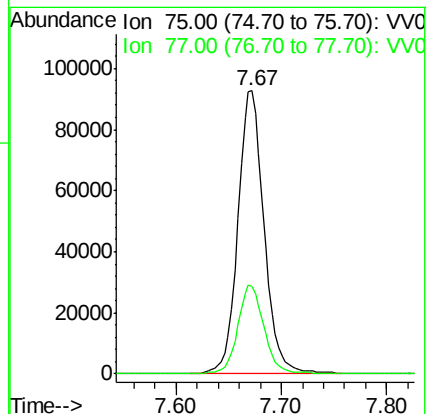
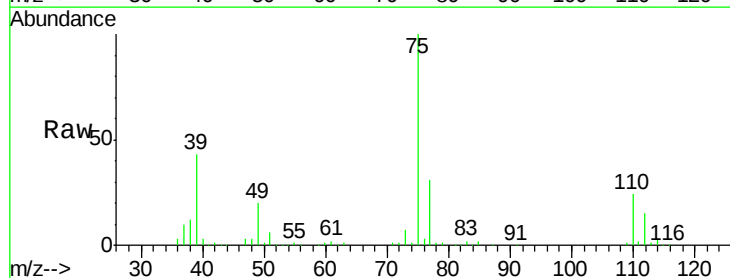
Acq: 11 Aug 2020 18:32

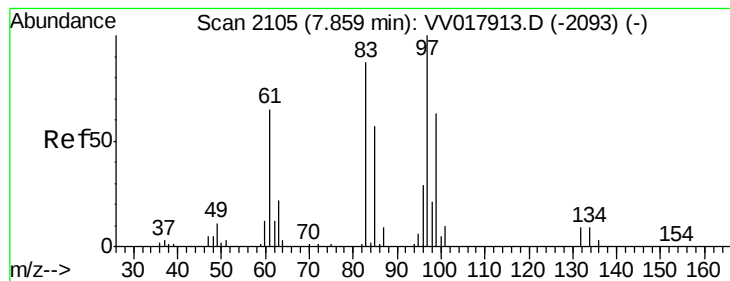
Tgt Ion: 75 Resp: 159429

Ion Ratio Lower Upper

75 100

77 31.1 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 48.866 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

Instrument :

MSVOA_V

ClientSampleId :

VICV62

Tgt Ion: 97 Resp: 102637

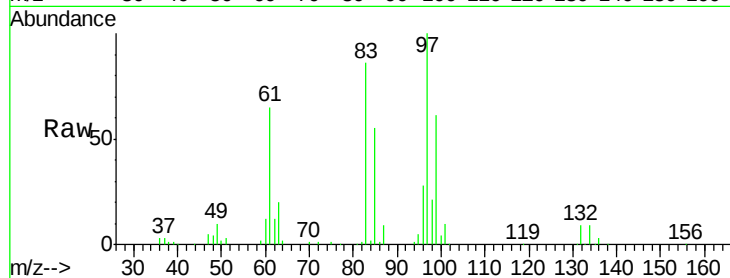
Ion Ratio Lower Upper

97 100

99 61.2 44.2 82.2

83 86.5 61.0 113.4

85 55.1 39.5 73.4

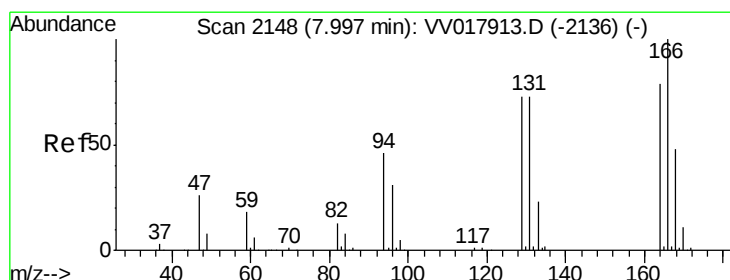
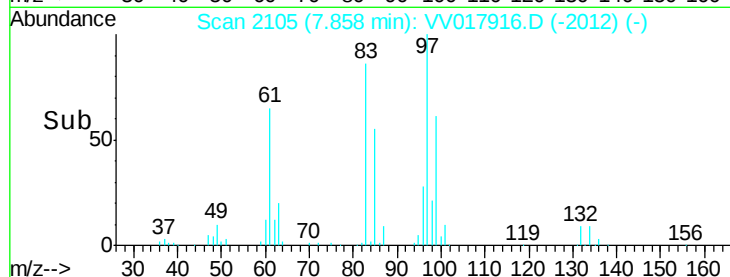
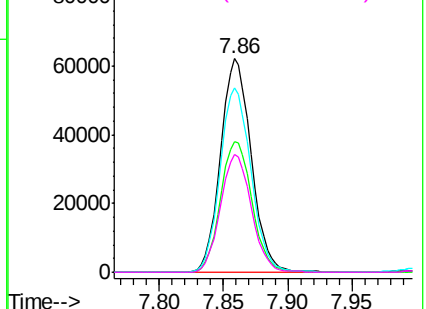


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 49.480 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

Tgt Ion: 164 Resp: 79773

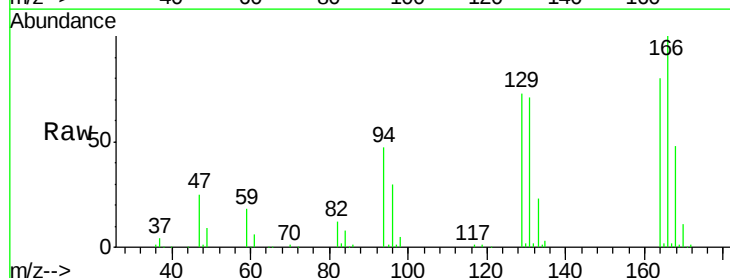
Ion Ratio Lower Upper

164 100

129 91.7 64.8 120.3

131 88.8 64.5 119.9

166 125.5 88.9 165.1

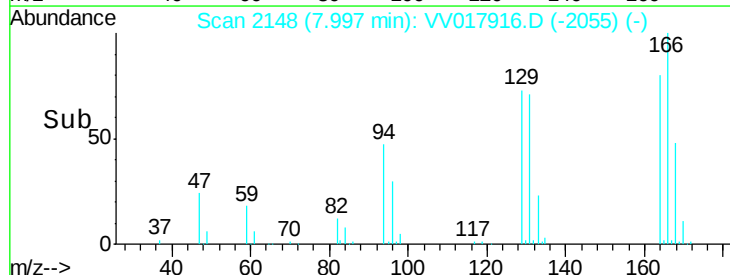
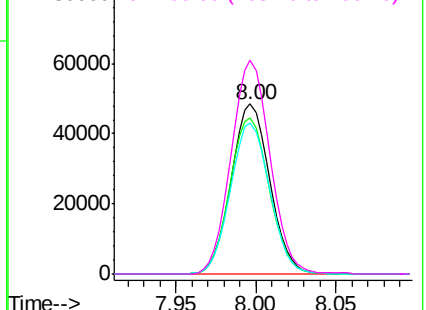


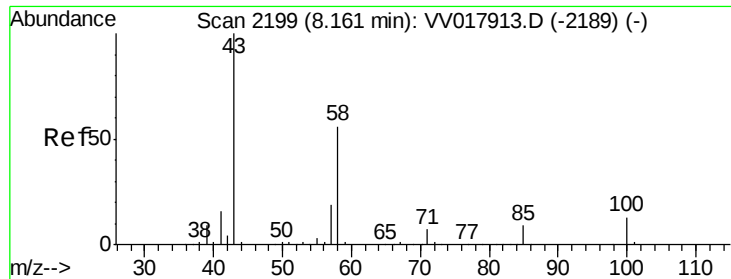
Abundance Ion 164.00 (163.70 to 164.70): V

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

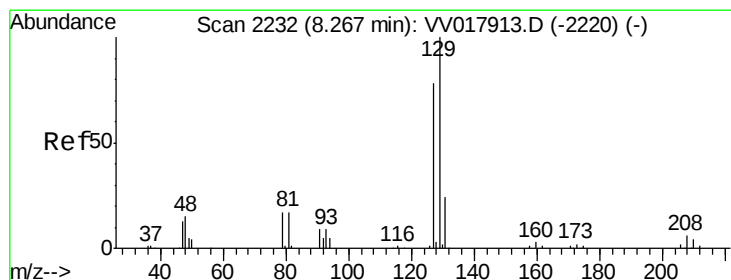
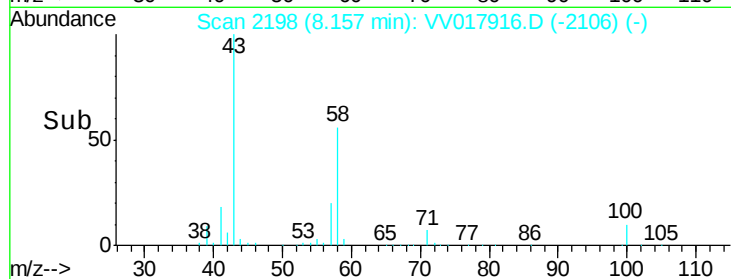
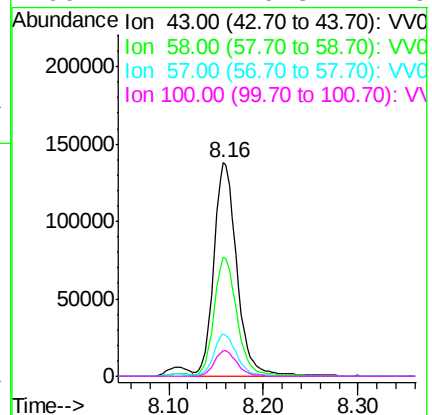
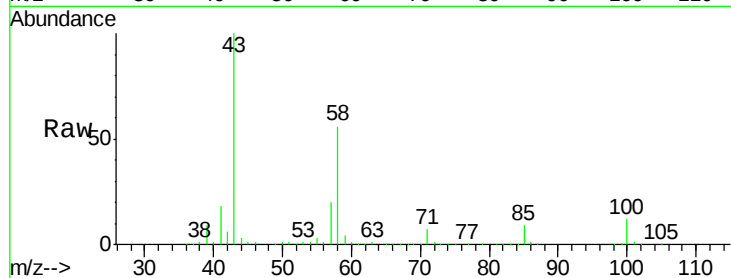




#48
2-Hexanone
Concen: 97.103 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV017916.D
Acq: 11 Aug 2020 18:32

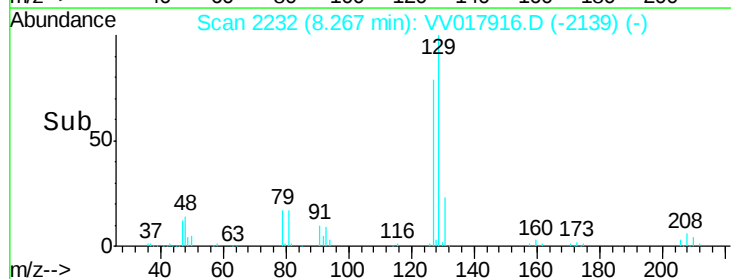
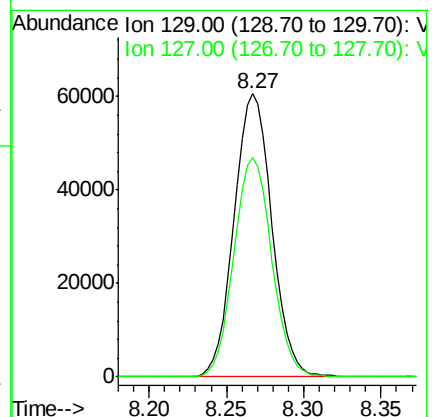
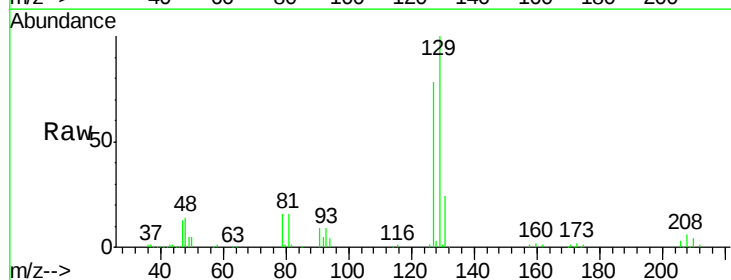
Instrument :
MSVOA_V
ClientSampleId :
VICV62

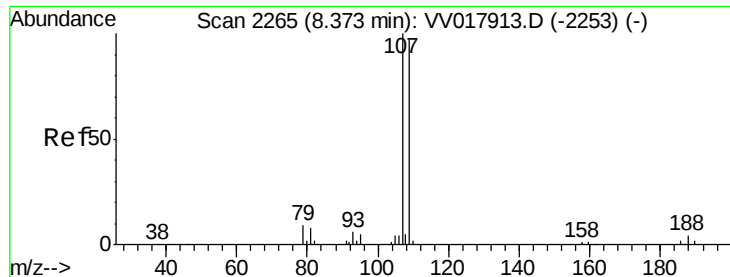
Tgt Ion: 43 Resp: 232161
Ion Ratio Lower Upper
43 100
58 54.6 44.4 66.6
57 19.1 15.2 22.8
100 12.1 9.8 14.6



#49
Dibromochloromethane
Concen: 50.049 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017916.D
Acq: 11 Aug 2020 18:32

Tgt Ion: 129 Resp: 102609
Ion Ratio Lower Upper
129 100
127 77.6 54.9 101.9

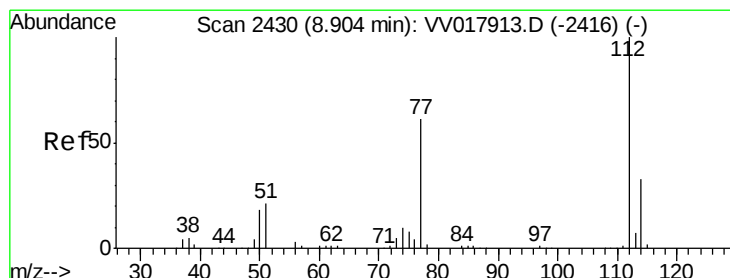
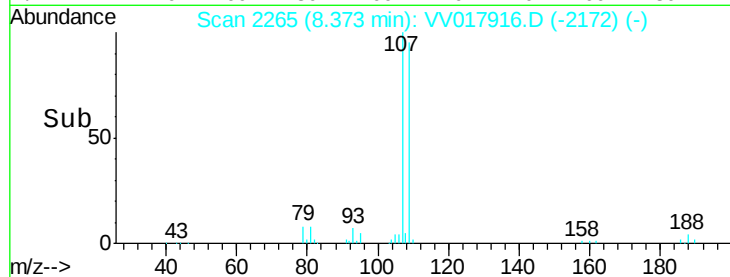
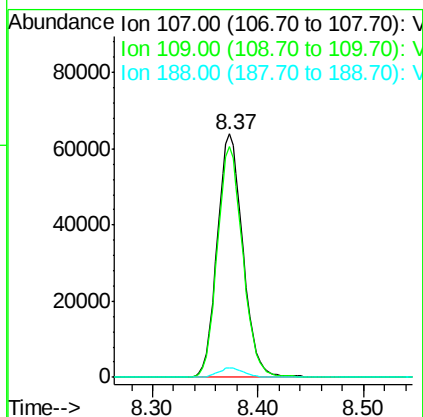
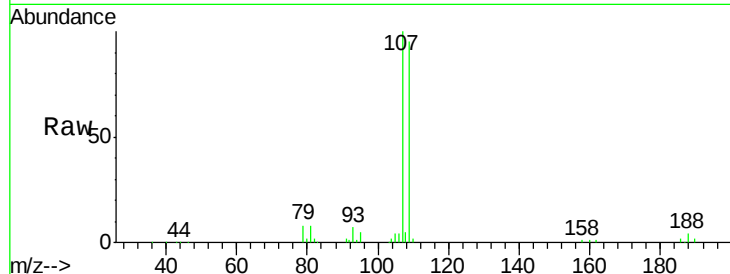




#50
1,2-Dibromoethane
Concen: 49.341 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV017916.D
Acq: 11 Aug 2020 18:32

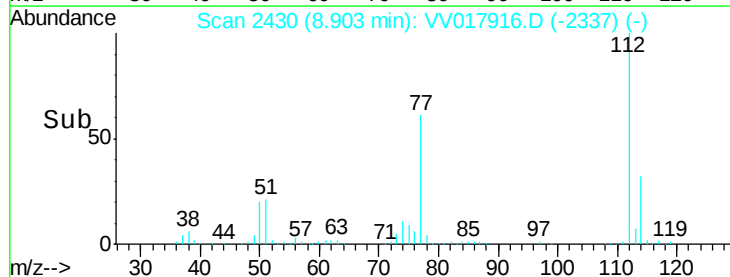
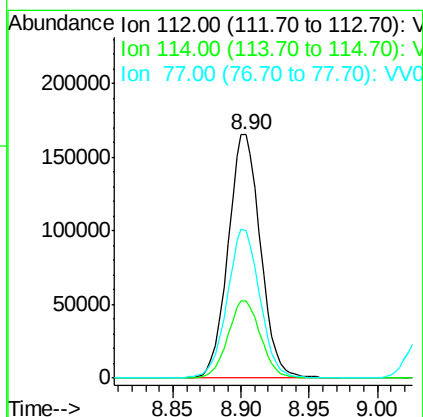
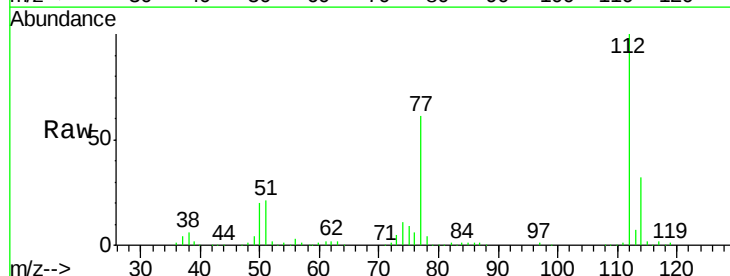
Instrument :
MSVOA_V
ClientSampleId :
VICV62

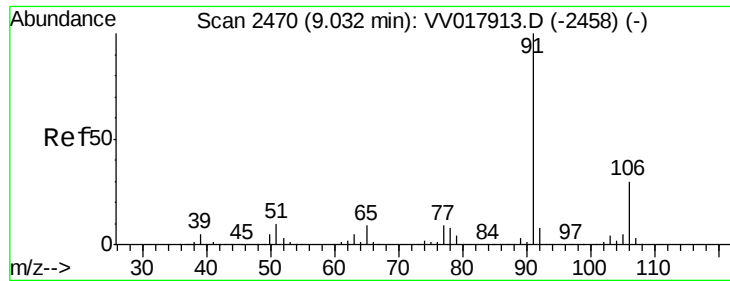
Tgt Ion:107 Resp: 107225
Ion Ratio Lower Upper
107 100
109 94.6 67.5 125.4
188 4.0 3.4 5.0



#51
Chlorobenzene
Concen: 48.748 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV017916.D
Acq: 11 Aug 2020 18:32

Tgt Ion:112 Resp: 272080
Ion Ratio Lower Upper
112 100
114 31.7 22.7 42.3
77 60.6 49.4 74.2





#52

Ethylbenzene

Concen: 50.588 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

Instrument :

MSVOA_V

ClientSampleId :

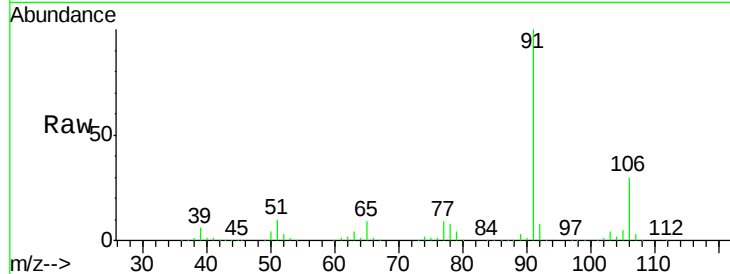
VICV62

Tgt Ion: 91 Resp: 478684

Ion Ratio Lower Upper

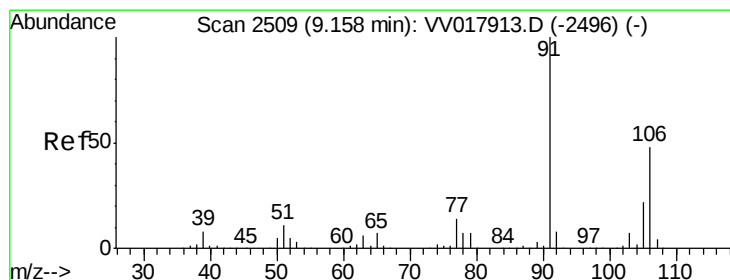
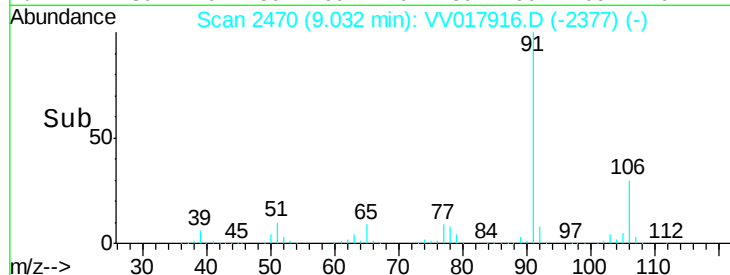
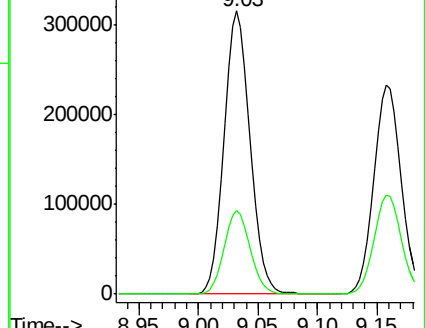
91 100

106 29.6 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV017916.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV017916.D (-2377) (-)



#53

m,p-Xylene

Concen: 50.880 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017916.D

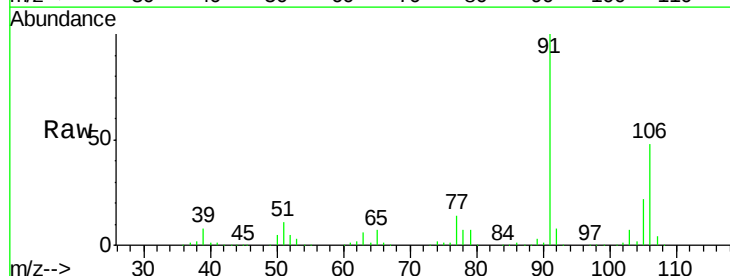
Acq: 11 Aug 2020 18:32

Tgt Ion: 106 Resp: 177074

Ion Ratio Lower Upper

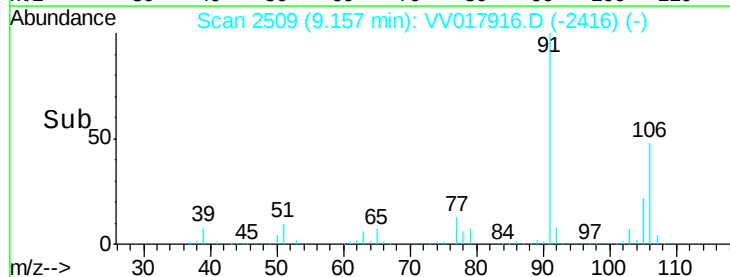
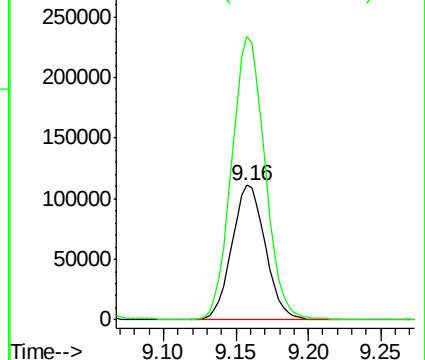
106 100

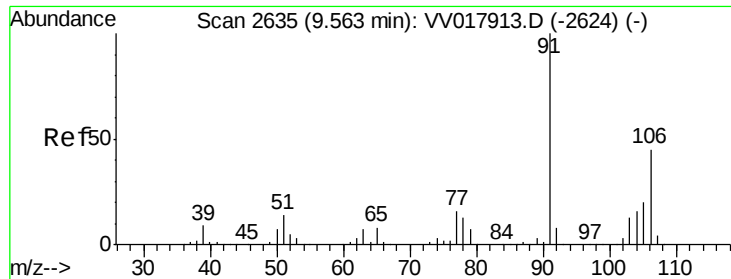
91 210.4 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV017916.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV017916.D (-2416) (-)





#54

o-xylene

Concen: 50.516 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

Instrument :

MSVOA_V

ClientSampleId :

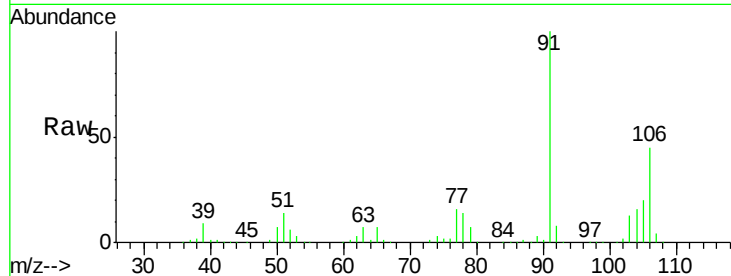
VICV62

Tgt Ion:106 Resp: 173739

Ion Ratio Lower Upper

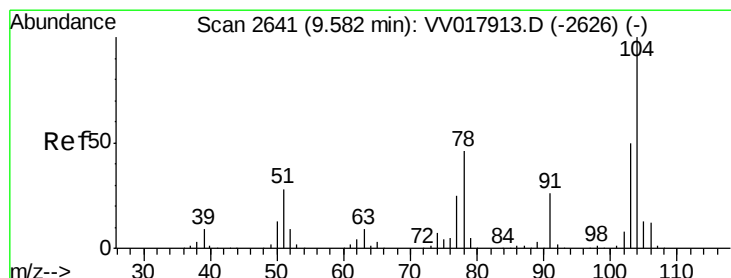
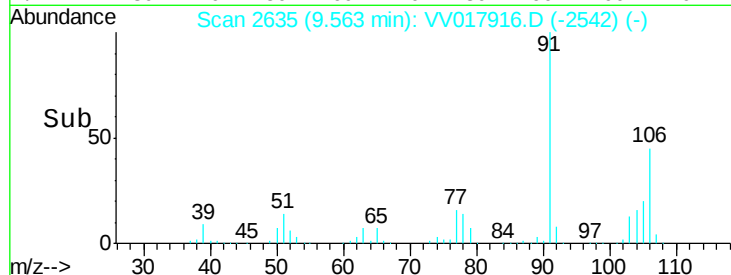
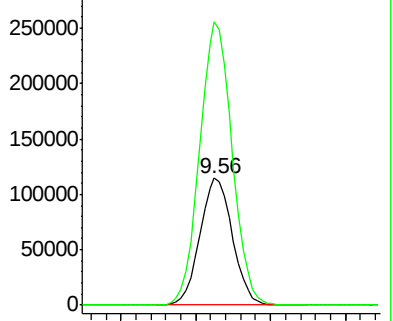
106 100

91 223.0 156.0 289.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.455 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV017916.D

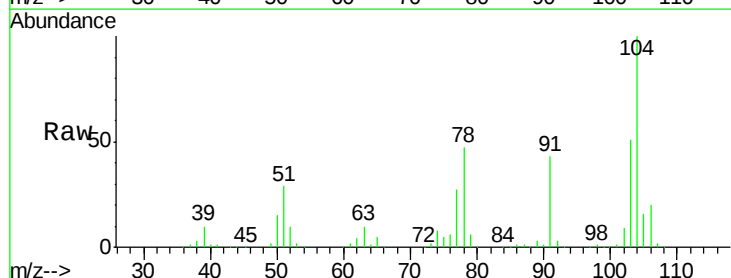
Acq: 11 Aug 2020 18:32

Tgt Ion:104 Resp: 303055

Ion Ratio Lower Upper

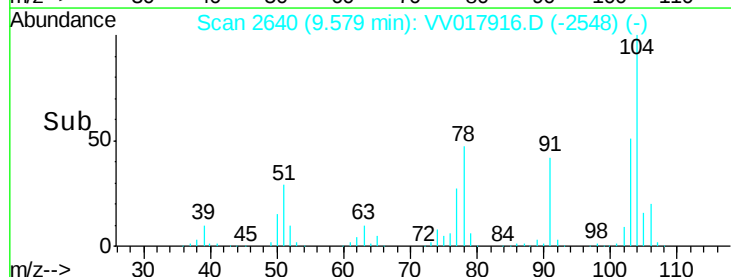
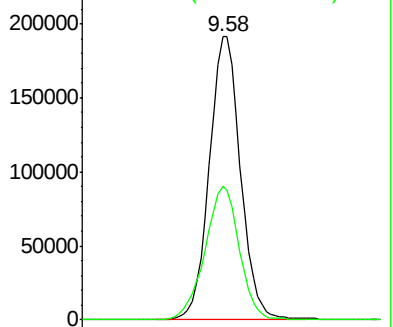
104 100

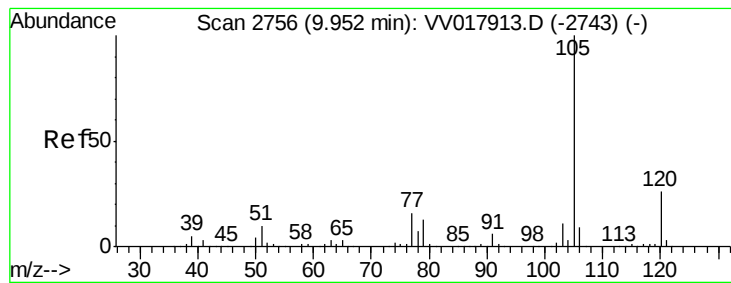
78 47.3 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.340 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

Instrument :

MSVOA_V

ClientSampleId :

VICV62

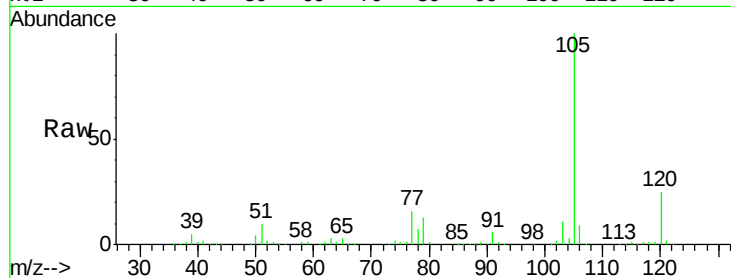
Tgt Ion: 105 Resp: 465811

Ion Ratio Lower Upper

105 100

120 25.5 20.6 31.0

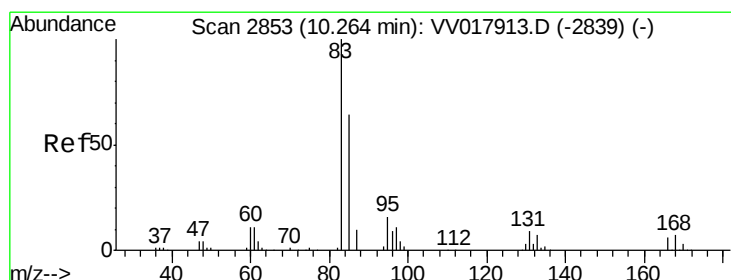
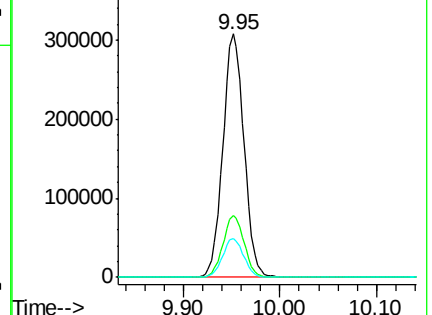
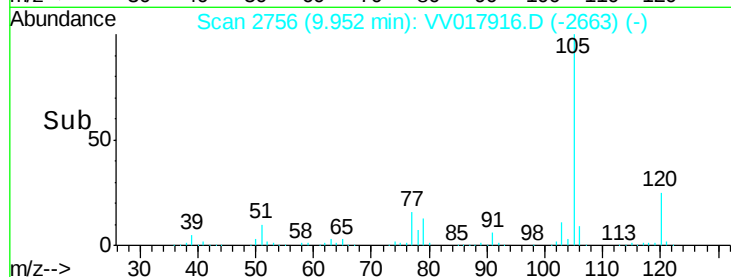
77 16.0 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.421 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

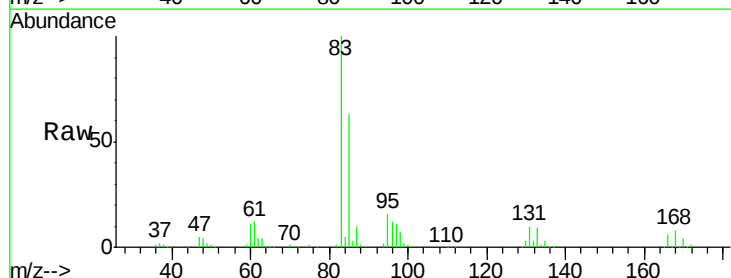
Tgt Ion: 83 Resp: 158371

Ion Ratio Lower Upper

83 100

85 63.5 45.1 83.7

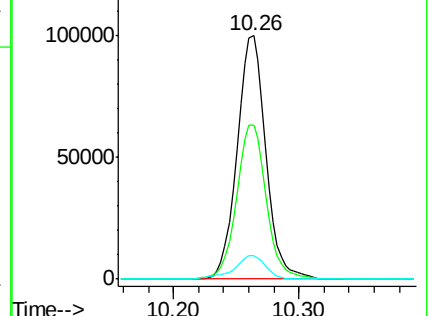
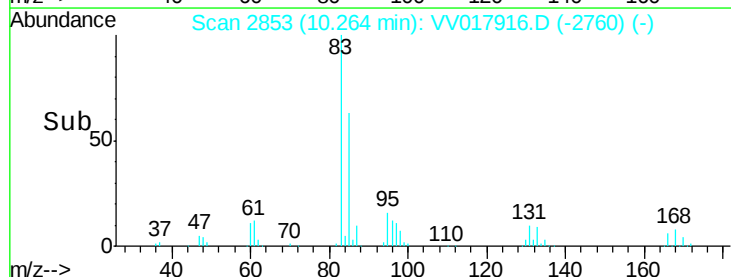
131 9.6 7.8 11.6

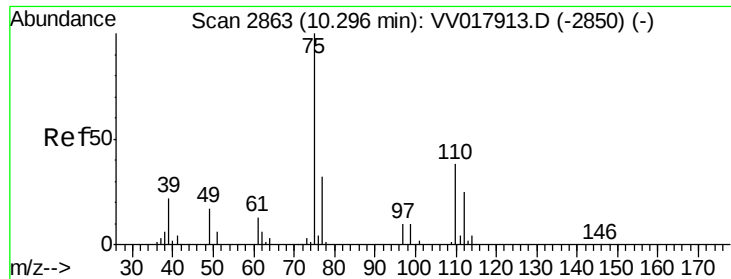


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.115 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

Instrument :

MSVOA_V

ClientSampleId :

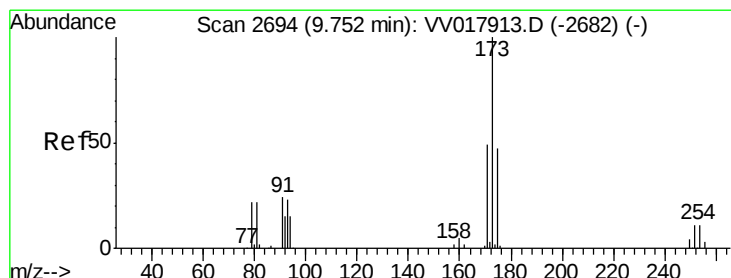
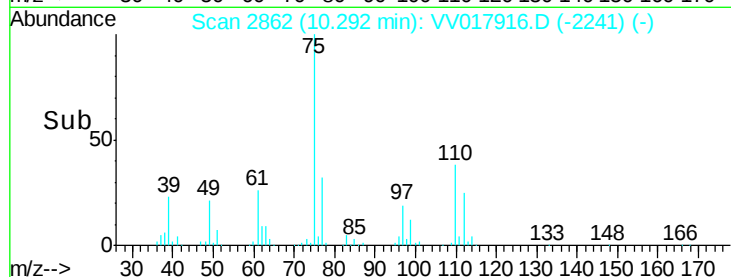
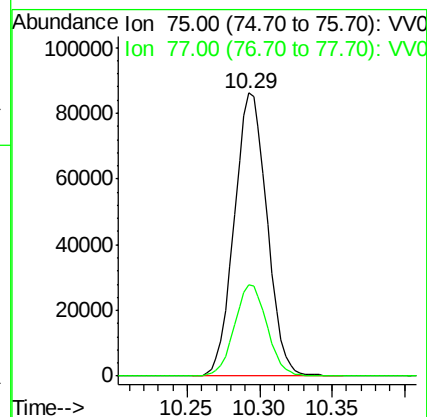
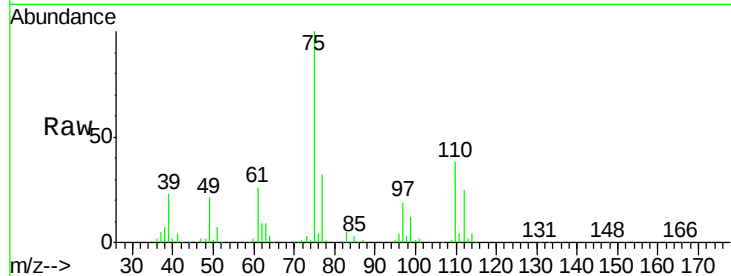
VICV62

Tgt Ion: 75 Resp: 134772

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5



#61

Bromoform

Concen: 52.121 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

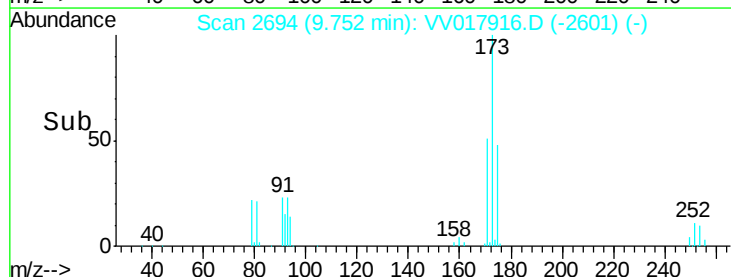
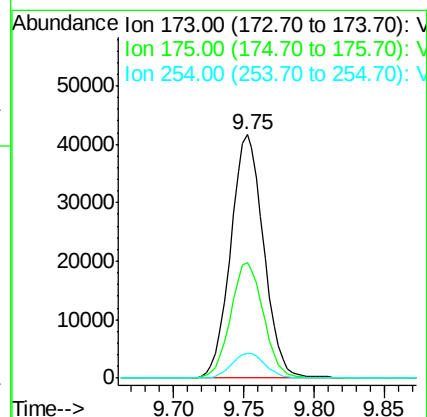
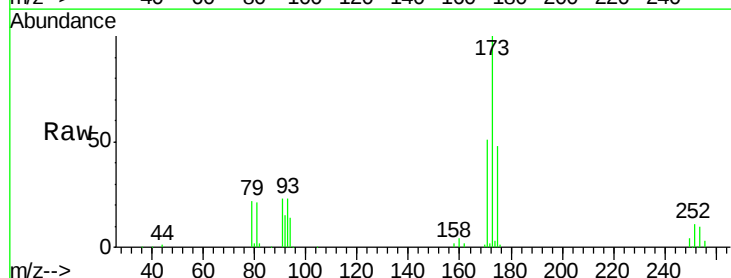
Tgt Ion: 173 Resp: 68055

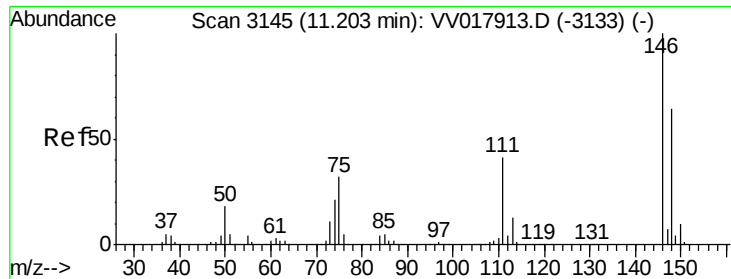
Ion Ratio Lower Upper

173 100

175 47.2 38.6 57.8

254 10.3 8.4 12.6

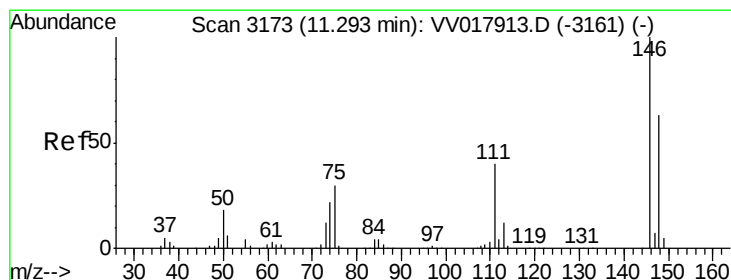
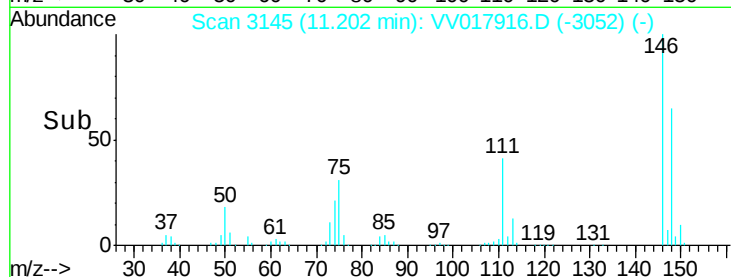
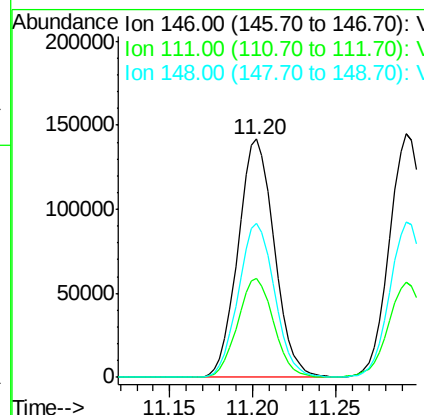
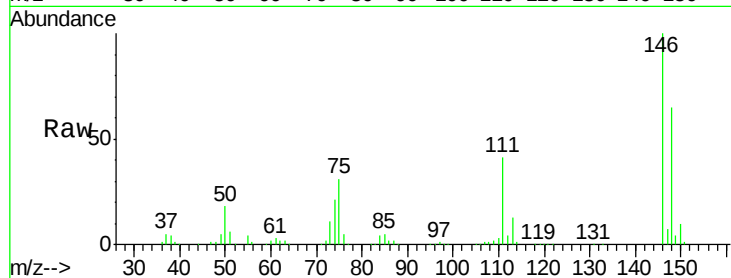




#62
 1,3-Dichlorobenzene
 Concen: 49.277 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV017916.D
 Acq: 11 Aug 2020 18:32

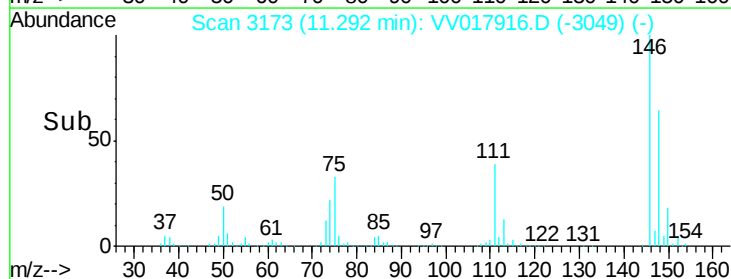
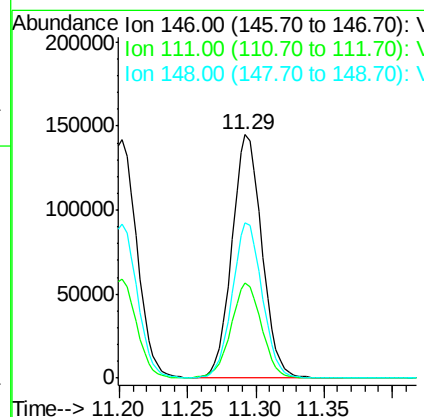
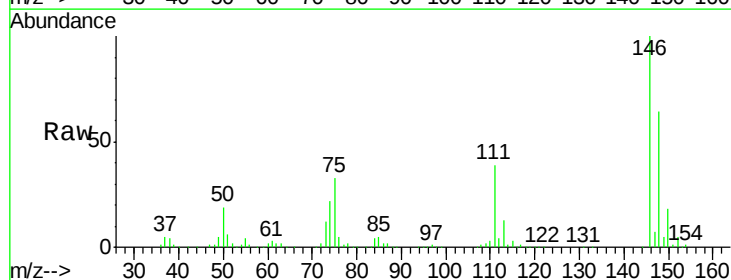
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV62

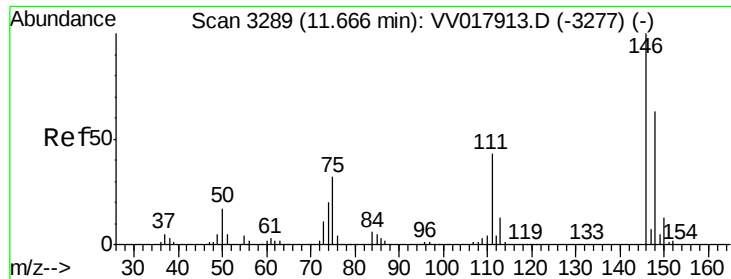
Tgt Ion:146 Resp: 216233
 Ion Ratio Lower Upper
 146 100
 111 41.3 28.8 53.4
 148 64.7 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 49.012 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV017916.D
 Acq: 11 Aug 2020 18:32

Tgt Ion:146 Resp: 220938
 Ion Ratio Lower Upper
 146 100
 111 39.1 28.0 52.0
 148 64.0 44.2 82.2

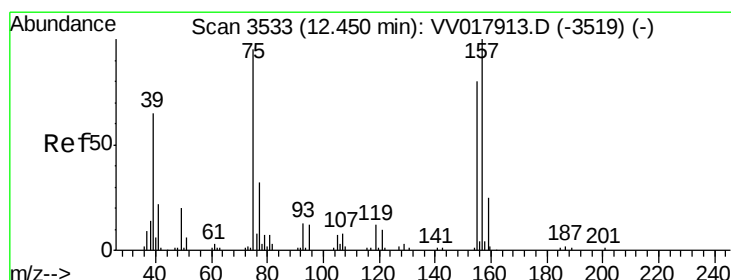
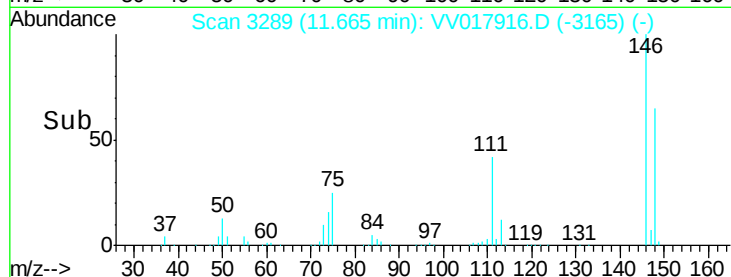
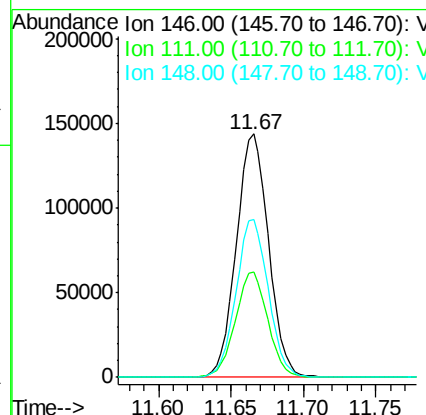
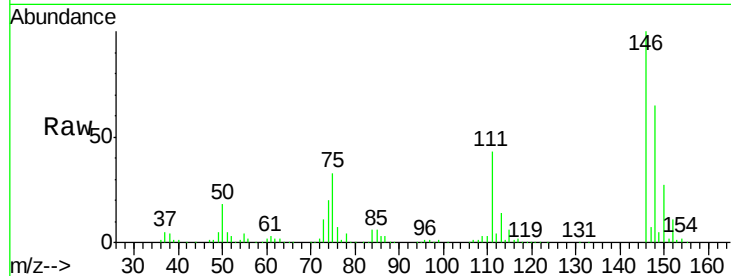




#65
 1,2-Dichlorobenzene
 Concen: 49.160 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017916.D
 Acq: 11 Aug 2020 18:32

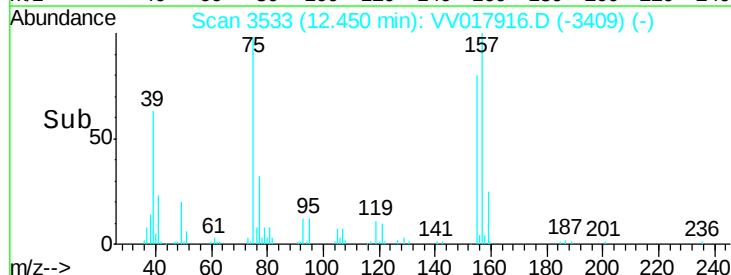
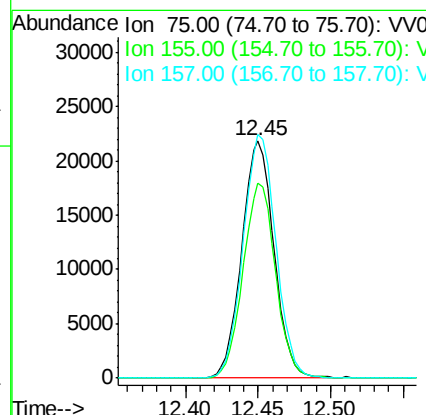
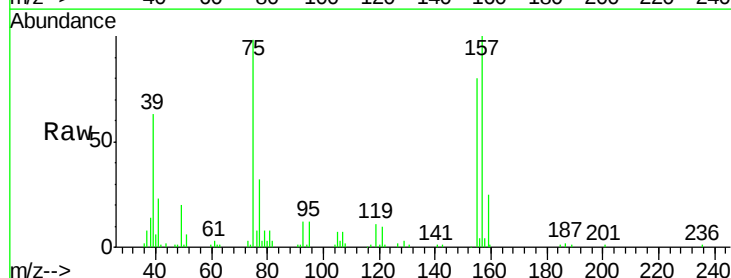
Instrument :
 MSVOA_V
 ClientSampled :
 VICV62

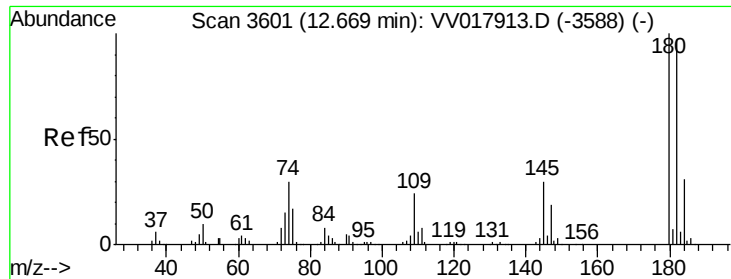
Tgt Ion: 146 Resp: 222034
 Ion Ratio Lower Upper
 146 100
 111 43.1 34.2 51.4
 148 65.0 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.697 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV017916.D
 Acq: 11 Aug 2020 18:32

Tgt Ion: 75 Resp: 33737
 Ion Ratio Lower Upper
 75 100
 155 82.0 67.6 101.4
 157 102.5 84.3 126.5

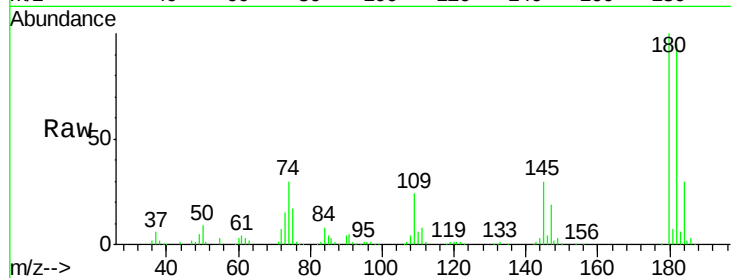




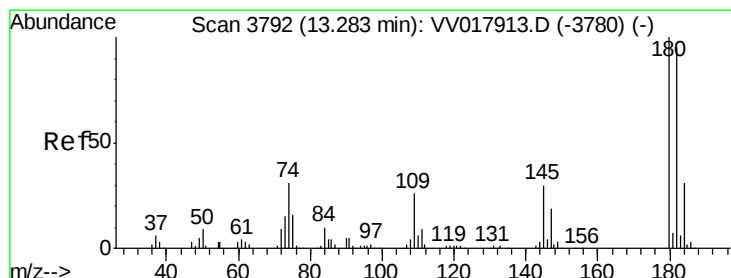
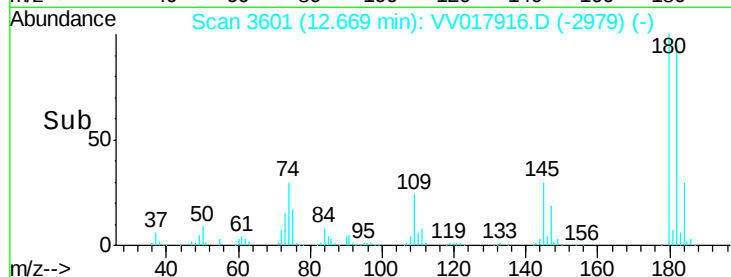
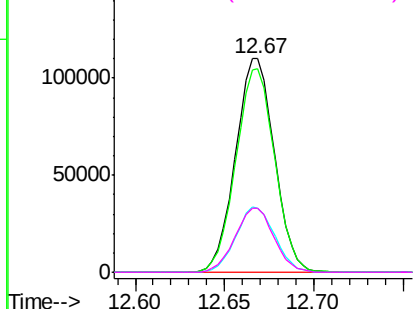
#67
 1,3,5-Trichlorobenzene
 Concen: 50.042 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV017916.D
 Acq: 11 Aug 2020 18:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV62

Tgt Ion:180 Resp: 166813
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.2 115.8
 184 30.4 24.6 36.8
 145 30.1 23.5 35.3

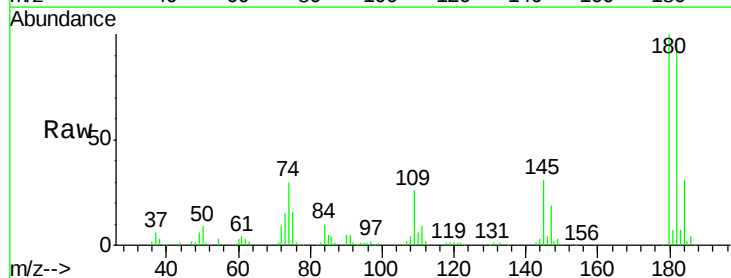


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

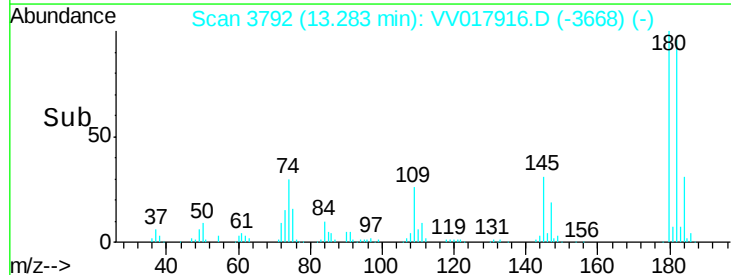
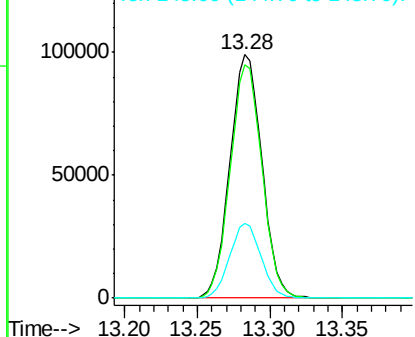


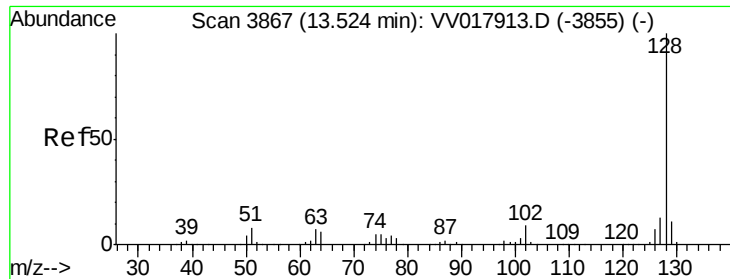
#68
 1,2,4-trichlorobenzene
 Concen: 51.727 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017916.D
 Acq: 11 Aug 2020 18:32

Tgt Ion:180 Resp: 151597
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.4 114.6
 145 30.1 24.0 36.0



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





#69

Naphthalene

Concen: 53.427 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

Instrument :

MSVOA_V

ClientSampleId :

VICV62

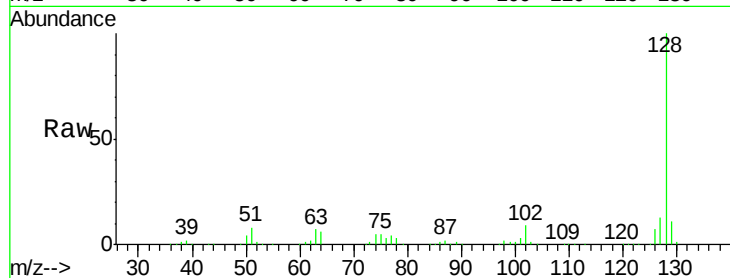
Tgt Ion:128 Resp: 431575

Ion Ratio Lower Upper

128 100

127 12.8 10.6 15.8

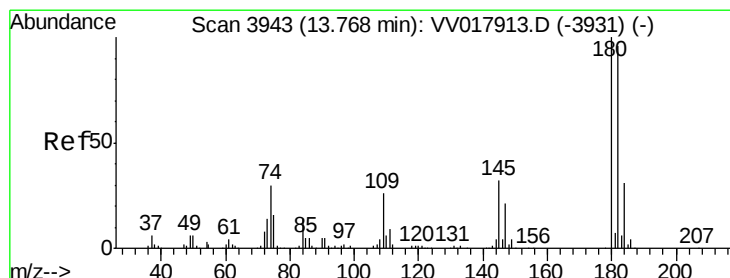
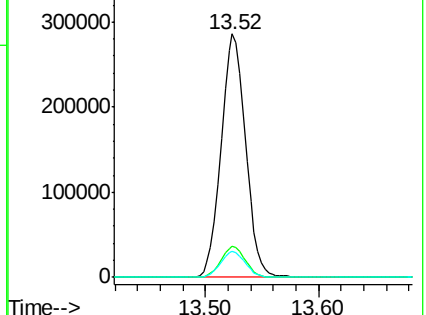
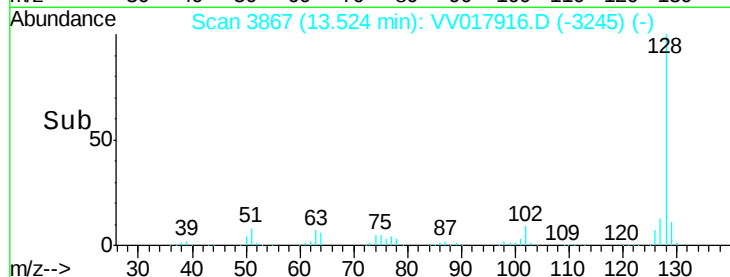
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.288 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV017916.D

Acq: 11 Aug 2020 18:32

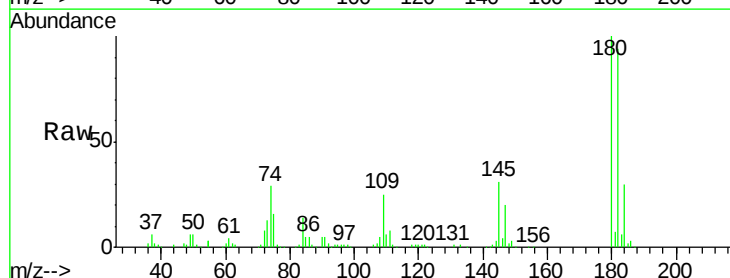
Tgt Ion:180 Resp: 152858

Ion Ratio Lower Upper

180 100

182 95.5 76.5 114.7

145 32.2 26.0 39.0



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

