

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081120\
 Data File : VV017911.D
 Acq On : 11 Aug 2020 16:01
 Operator : SY/MD
 Sample : VSTD00563
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Quant Time: Aug 11 19:47:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 19:45:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	265547	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	254276	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	123064	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	9908	6.59	ug/L	0.00
7) Chloroethane-d5	1.58	69	8317	6.55	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	19637	5.75	ug/L	0.00
21) 2-Butanone-d5	3.93	46	11446	11.81	ug/L	0.02
24) Chloroform-d	4.38	84	17815	4.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	11369	4.42	ug/L	0.00
32) Benzene-d6	5.08	84	32804	5.34	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	10901	6.53	ug/L	0.00
41) Toluene-d8	7.34	98	28192	4.69	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	3978	4.07	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	4804	8.13	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	13344	5.39	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	11928	4.79	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	11133	5.340	ug/L 100
3) Chloromethane	1.25	50	13158	8.509	ug/L 99
5) Vinyl chloride	1.32	62	12586	7.324	ug/L 92
6) Bromomethane	1.53	94	7550	6.674	ug/L 97
8) Chloroethane	1.59	64	8291	7.642	ug/L 99
9) Trichlorofluoromethane	1.76	101	18374	4.911	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	10402	6.002	ug/L 99
12) 1,1-Dichloroethene	2.13	96	9536	5.888	ug/L 97
13) Acetone	2.19	43	16178	13.430	ug/L 99
14) Carbon disulfide	2.31	76	24930	6.465	ug/L 100
15) Methyl Acetate	2.45	43	11689	8.106	ug/L 98
16) Methylene chloride	2.52	84	13300	7.551	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	9735	5.871	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	30537	5.414	ug/L 98
19) 1,1-Dichloroethane	3.21	63	19611	6.889	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	10192	5.698	ug/L 99
22) 2-Butanone	4.01	43	13449	12.010	ug/L 99
23) Bromochloromethane	4.28	128	5576	5.363	ug/L 92
25) Chloroform	4.40	83	20229	5.832	ug/L 99
27) 1,2-Dichloroethane	5.16	62	16307	5.310	ug/L 97
29) Cyclohexane	4.70	56	15429	6.851	ug/L 99
30) 1,1,1-Trichloroethane	4.63	97	16059	4.603	ug/L 99
31) Carbon tetrachloride	4.85	117	13683	4.454	ug/L 98
33) Benzene	5.13	78	40988	6.371	ug/L 100
34) Trichloroethene	5.94	95	11476	6.146	ug/L 97
35) Methylcyclohexane	6.15	83	15728	5.865	ug/L 97
37) 1,2-Dichloropropane	6.20	63	11683	7.797	ug/L 99
38) Bromodichloromethane	6.53	83	13492	5.505	ug/L 96
39) cis-1,3-Dichloropropene	7.05	75	13915	5.716	ug/L 97
40) 4-Methyl-2-pentanone	7.25	43	26049	13.194	ug/L 99

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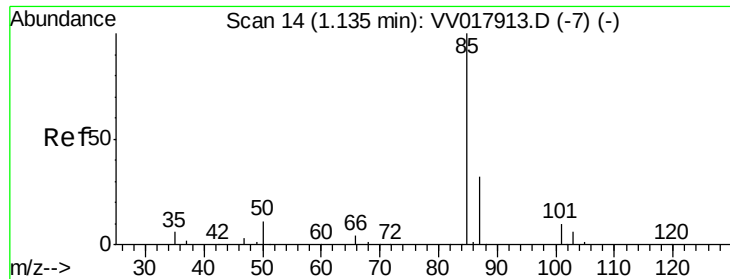
Quant Time: Aug 11 19:47:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.41	91	41746	5.714	ug/L	95
44) trans-1,3-Dichloropropene	7.68	75	12287	4.944	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	10575	6.077	ug/L	98
46) Tetrachloroethene	8.00	164	8028	4.807	ug/L	97
48) 2-Hexanone	8.16	43	20356	12.351	ug/L	98
49) Dibromochloromethane	8.27	129	9096	4.874	ug/L	96
50) 1,2-Dibromoethane	8.38	107	10588	5.623	ug/L	98
51) Chlorobenzene	8.90	112	28171	5.682	ug/L	99
52) Ethylbenzene	9.03	91	43838	5.310	ug/L	96
53) m,p-Xylene	9.16	106	15746	4.940	ug/L	97
54) o-xylene	9.56	106	15914	5.084	ug/L	93
55) Styrene	9.58	104	24868	4.606	ug/L	99
56) Isopropylbenzene	9.95	105	39930	4.663	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	15257	6.280	ug/L	96
59) 1,2,3-Trichloropropane	10.30	75	13815	6.353	ug/L	99
61) Bromoform	9.76	173	4880	4.457	ug/L #	95
62) 1,3-Dichlorobenzene	11.20	146	20906	5.529	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	21838	5.669	ug/L	95
65) 1,2-Dichlorobenzene	11.67	146	21444	5.520	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	2491	4.696	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	15058	4.972	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	12096	4.555	ug/L	98
69) Naphthalene	13.53	128	28842	4.112	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	12822	4.750	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 5.340 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017911.D

Acq: 11 Aug 2020 16:01

Instrument :

MSVOA_V

ClientSampleId :

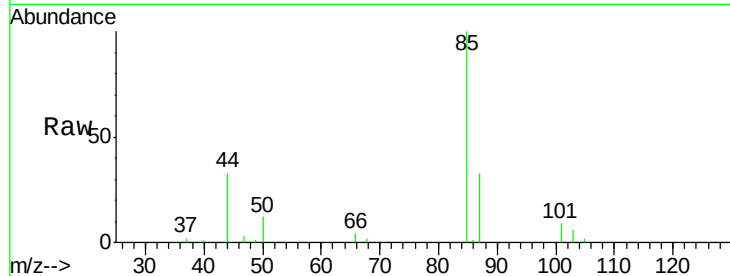
VSTD00563

Tgt Ion: 85 Resp: 11133

Ion Ratio Lower Upper

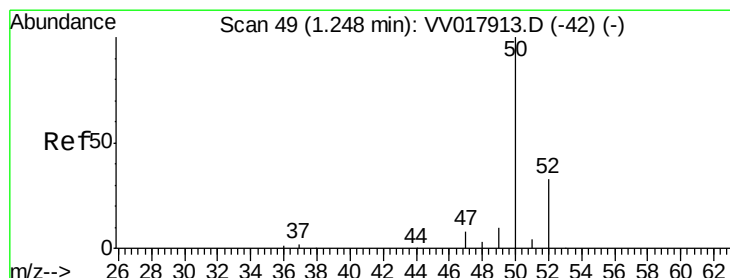
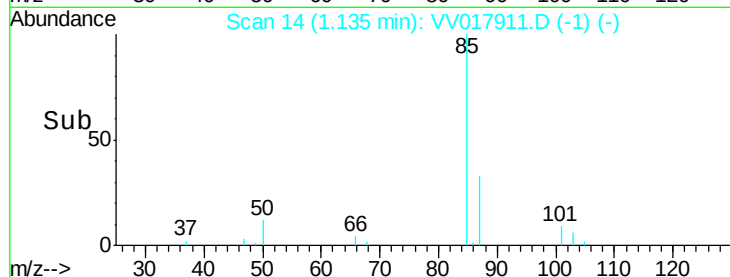
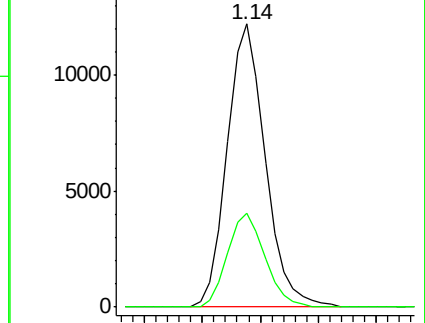
85 100

87 32.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 8.509 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017911.D

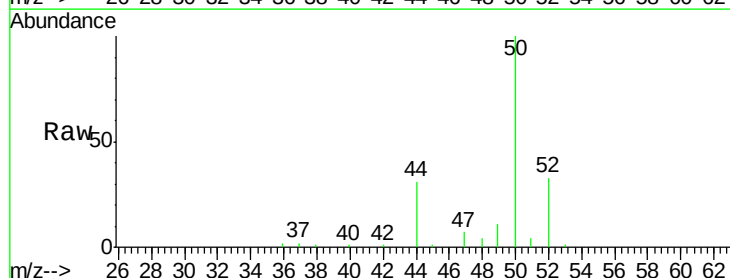
Acq: 11 Aug 2020 16:01

Tgt Ion: 50 Resp: 13158

Ion Ratio Lower Upper

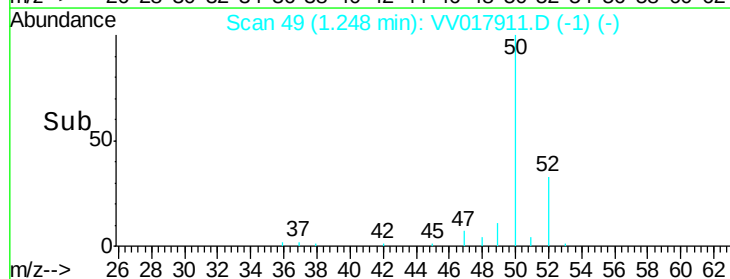
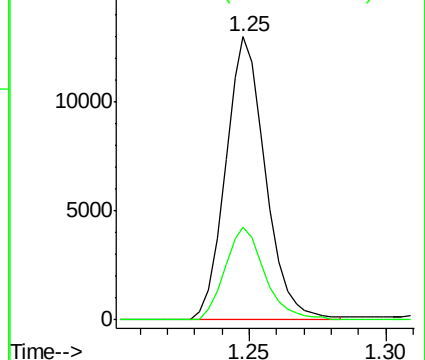
50 100

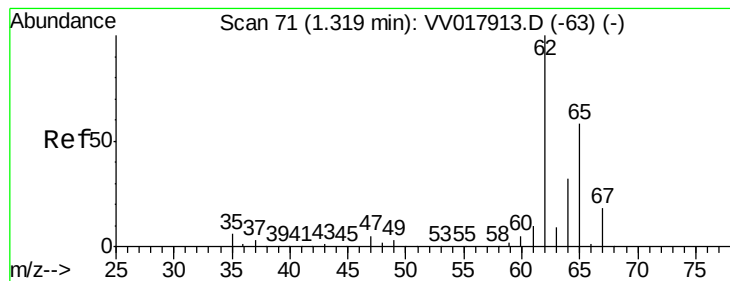
52 32.5 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 7.324 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017911.D

Acq: 11 Aug 2020 16:01

Instrument :

MSVOA_V

ClientSampleId :

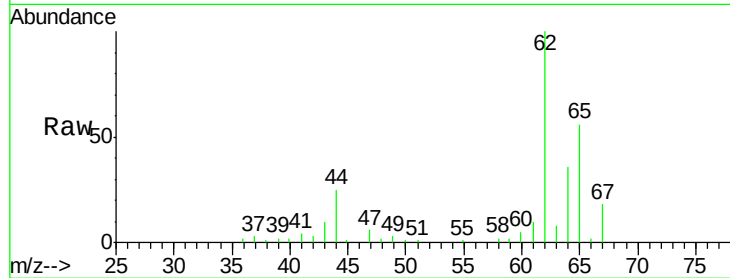
VSTD00563

Tgt Ion: 62 Resp: 12586

Ion Ratio Lower Upper

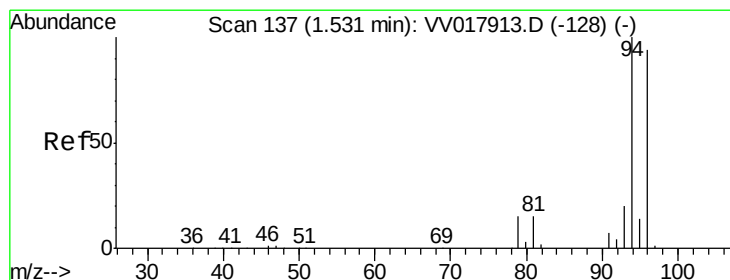
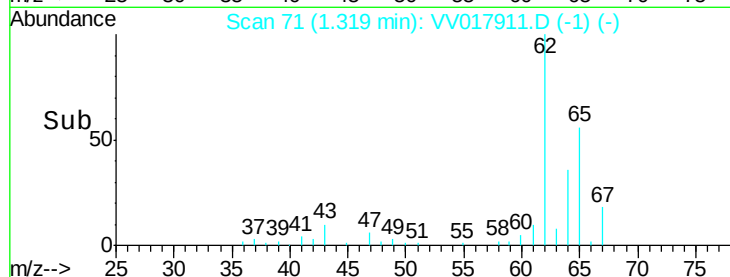
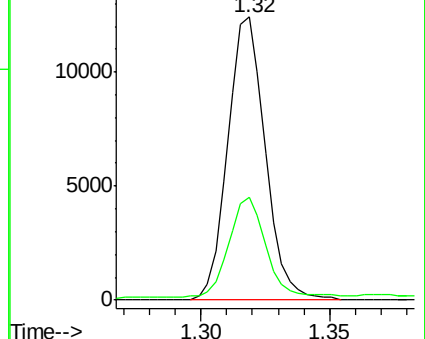
62 100

64 36.4 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 6.674 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017911.D

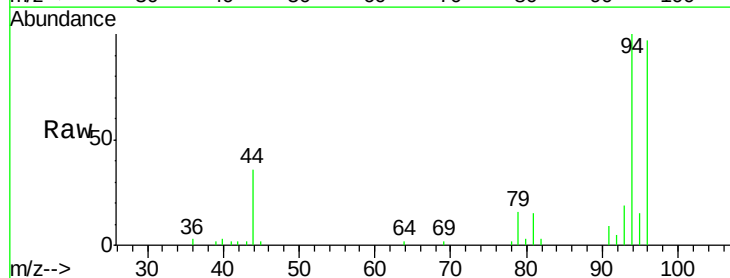
Acq: 11 Aug 2020 16:01

Tgt Ion: 94 Resp: 7550

Ion Ratio Lower Upper

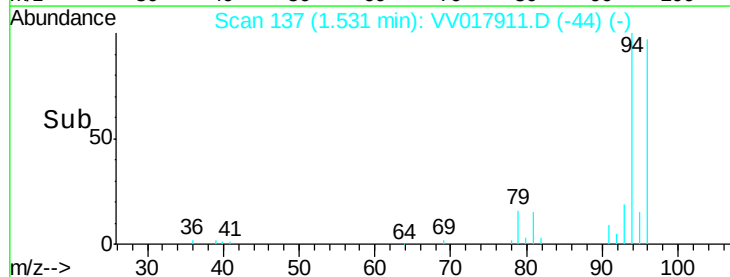
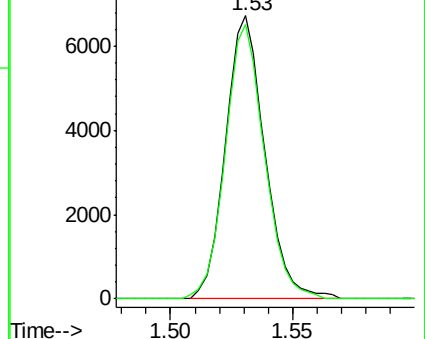
94 100

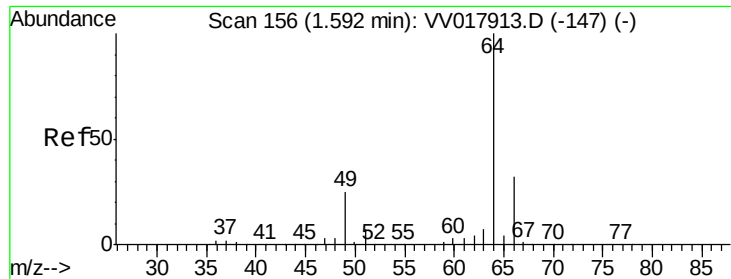
96 97.0 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

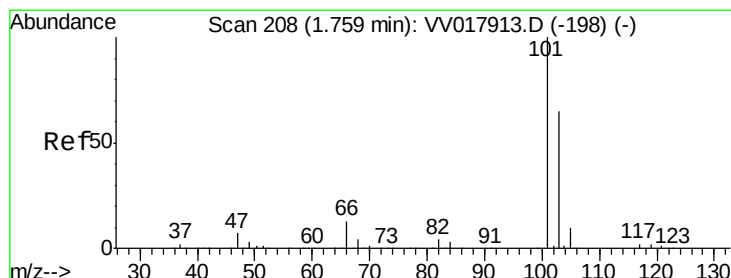
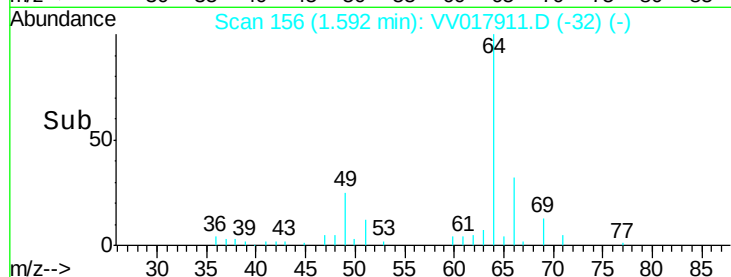
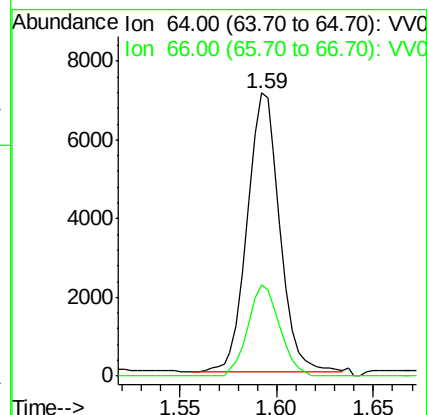
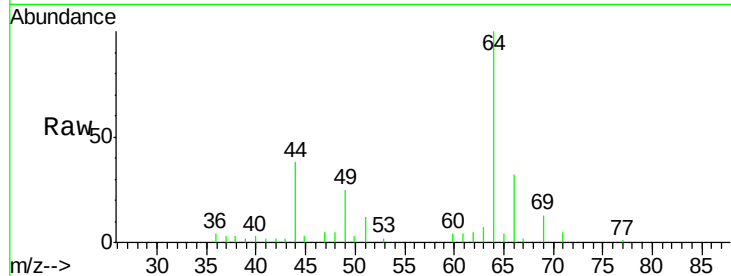




#8
Chloroethane
Concen: 7.642 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV017911.D
Acq: 11 Aug 2020 16:01

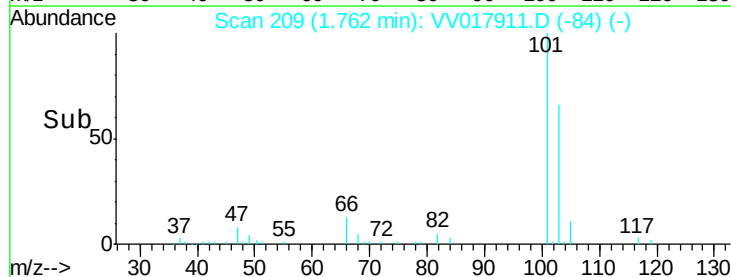
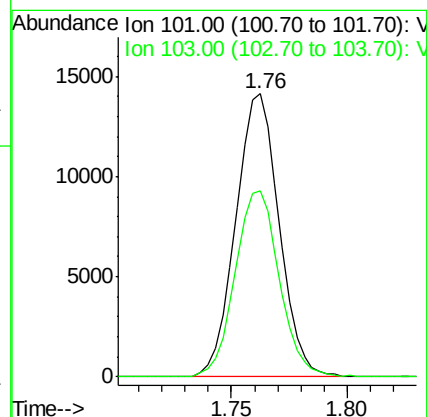
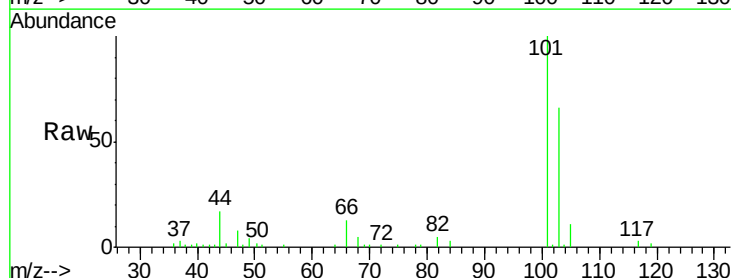
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

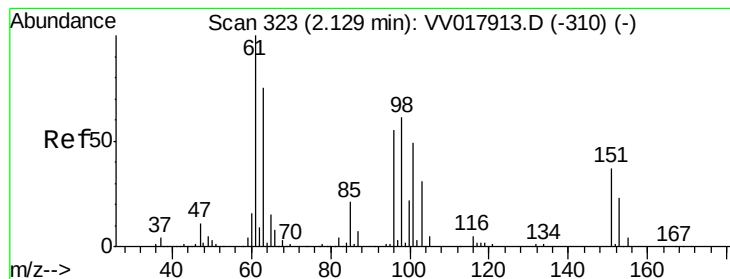
Tgt Ion: 64 Resp: 8291
Ion Ratio Lower Upper
64 100
66 32.3 22.3 41.3



#9
Trichlorofluoromethane
Concen: 4.911 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV017911.D
Acq: 11 Aug 2020 16:01

Tgt Ion: 101 Resp: 18374
Ion Ratio Lower Upper
101 100
103 66.7 51.5 77.3





#10

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

Concen: 6.002 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017911.D

Acq: 11 Aug 2020 16:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

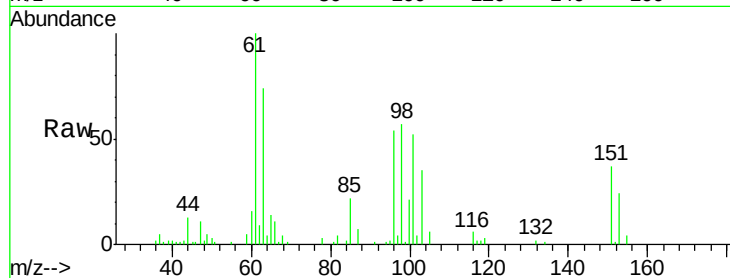
Tgt Ion: 101 Resp: 10402

Ion Ratio Lower Upper

101 100

85 44.3 34.9 52.3

151 74.3 59.1 88.7

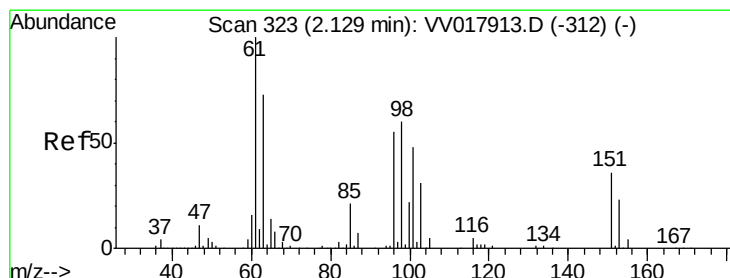
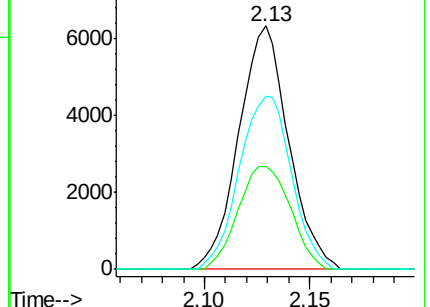
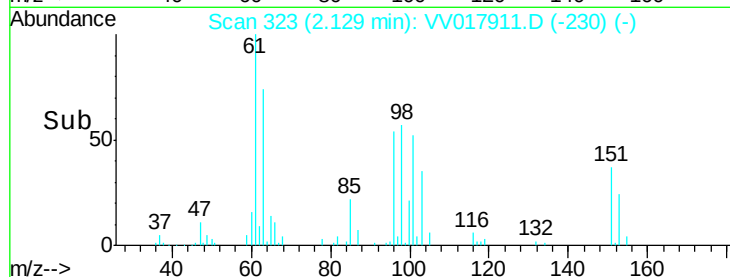


Abundance Ion 101.00 (100.70 to 101.70): VV017911.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV017911.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV017911.D (-230) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 5.888 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017911.D

Acq: 11 Aug 2020 16:01

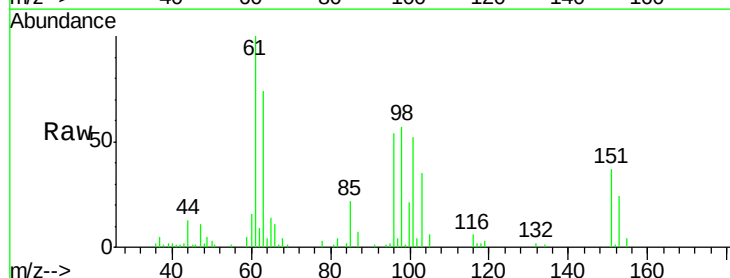
Tgt Ion: 96 Resp: 9536

Ion Ratio Lower Upper

96 100

61 186.2 127.1 236.0

63 138.1 95.2 176.8

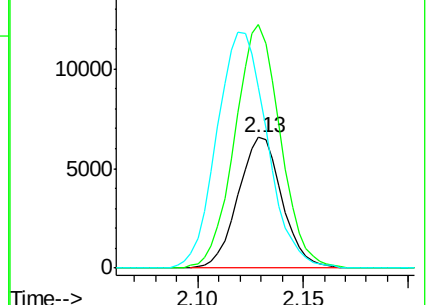
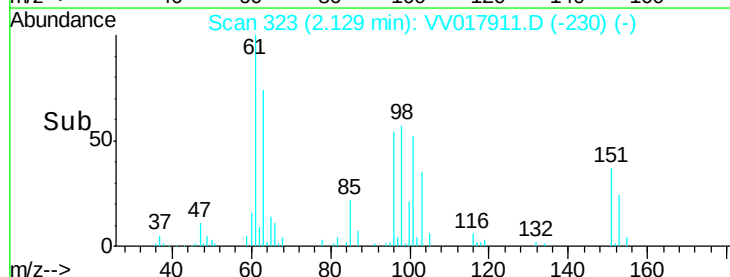


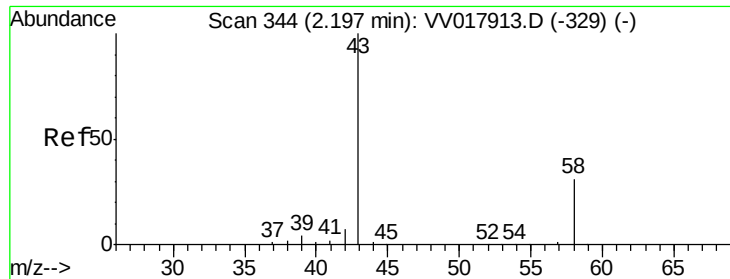
Abundance Ion 96.00 (95.70 to 96.70): VV017911.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV017911.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV017911.D (-230) (-)

Time-->





#13

Acetone

Concen: 13.430 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV017911.D

Acq: 11 Aug 2020 16:01

Instrument :

MSVOA_V

ClientSampleId :

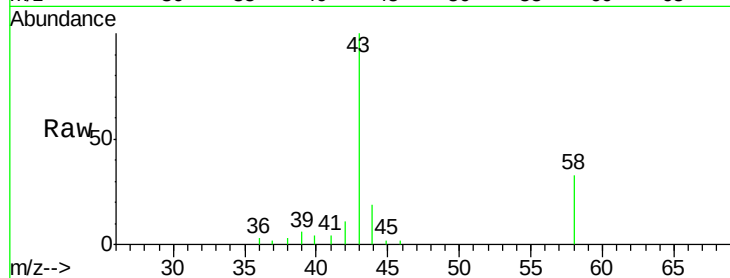
VSTD00563

Tgt Ion: 43 Resp: 16178

Ion Ratio Lower Upper

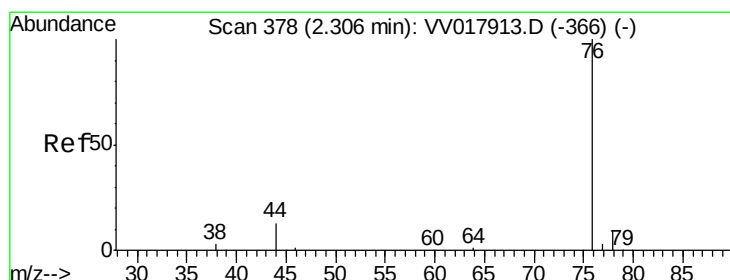
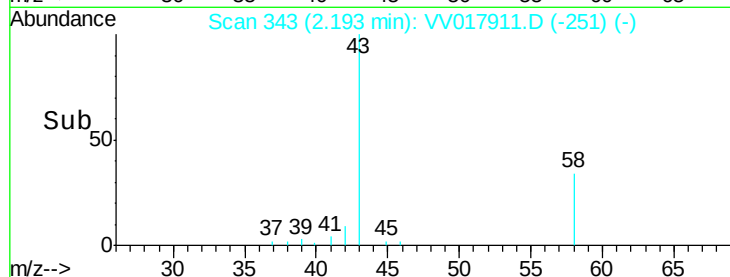
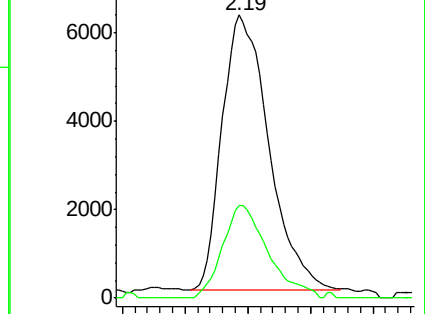
43 100

58 32.6 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV017911.D (-251) (-)

Ion 58.00 (57.70 to 58.70): VV017911.D (-251) (-)



#14

Carbon disulfide

Concen: 6.465 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017911.D

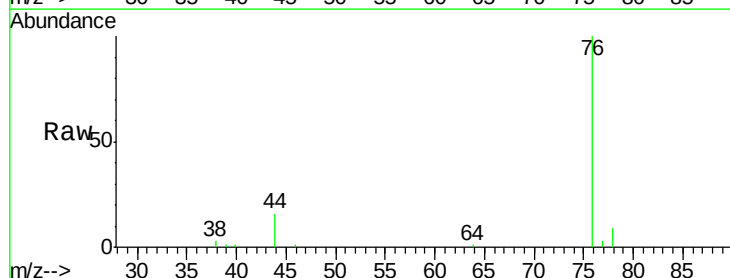
Acq: 11 Aug 2020 16:01

Tgt Ion: 76 Resp: 24930

Ion Ratio Lower Upper

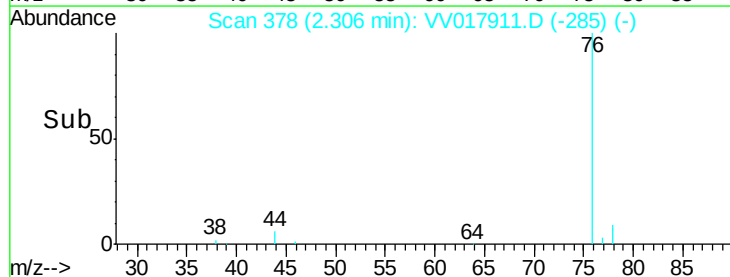
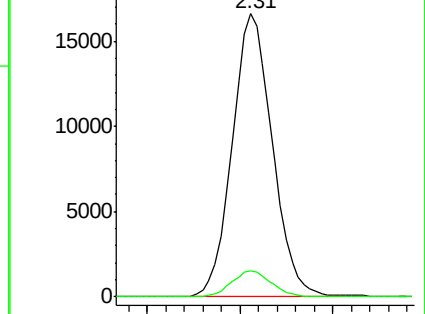
76 100

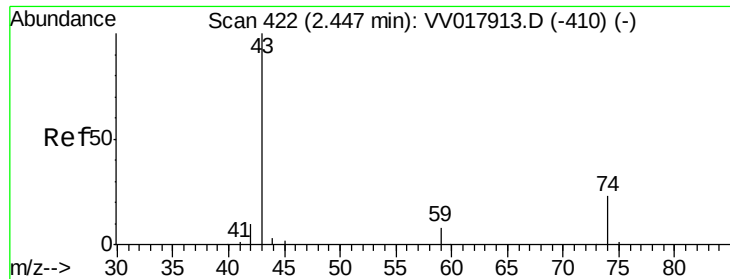
78 9.4 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV017911.D (-285) (-)

Ion 78.00 (77.70 to 78.70): VV017911.D (-285) (-)

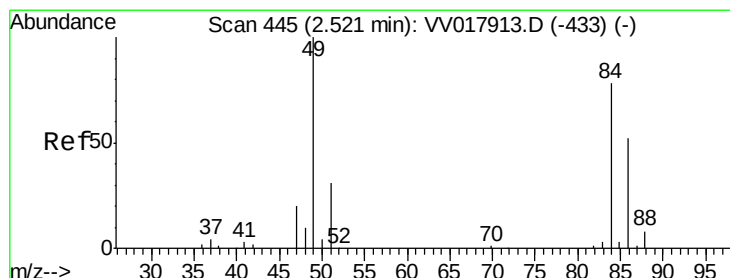
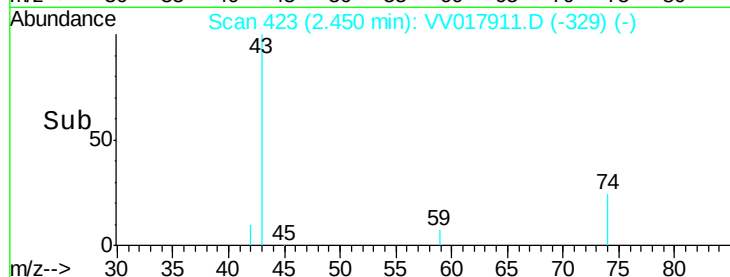
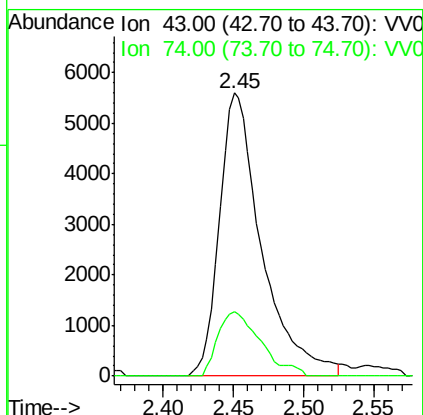
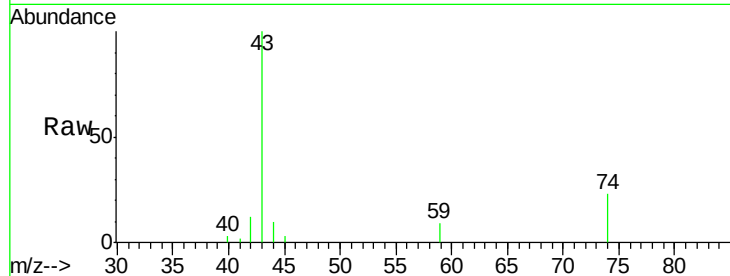




#15
Methyl Acetate
Concen: 8.106 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.00 min
Lab File: VV017911.D
Acq: 11 Aug 2020 16:01

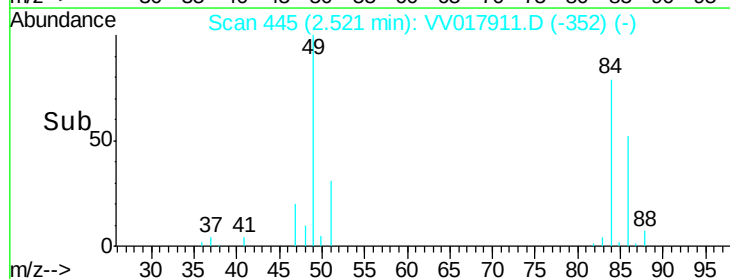
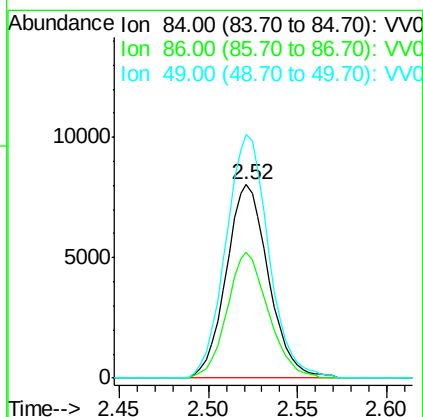
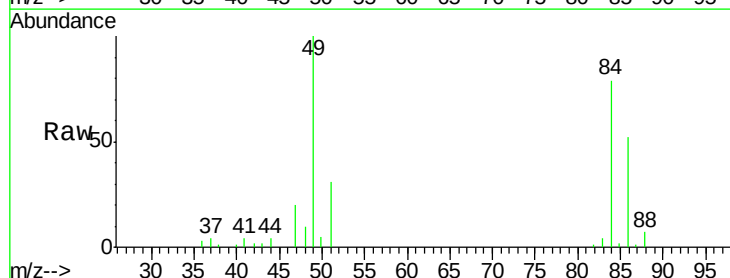
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

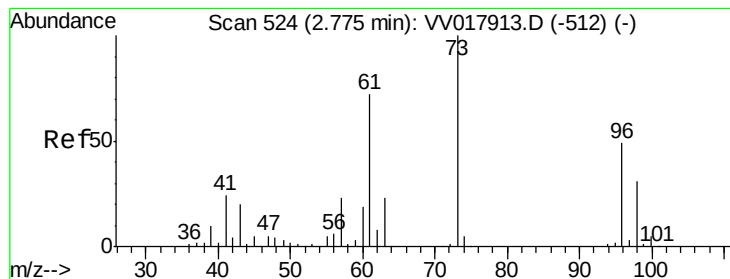
Tgt Ion: 43 Resp: 11689
Ion Ratio Lower Upper
43 100
74 21.8 18.4 27.6



#16
Methylene chloride
Concen: 7.551 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017911.D
Acq: 11 Aug 2020 16:01

Tgt Ion: 84 Resp: 13300
Ion Ratio Lower Upper
84 100
86 65.1 46.3 85.9
49 126.0 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 5.871 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017911.D

Acq: 11 Aug 2020 16:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

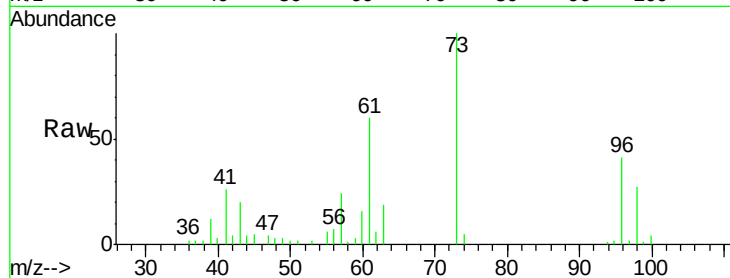
Tgt Ion: 96 Resp: 9735

Ion Ratio Lower Upper

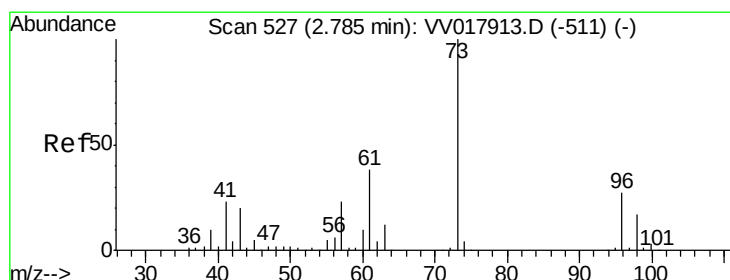
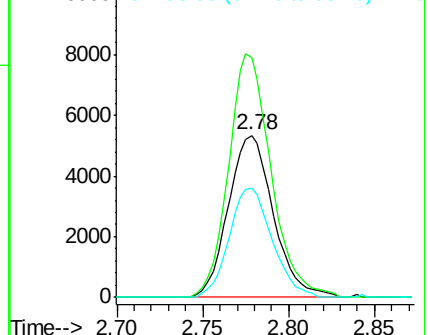
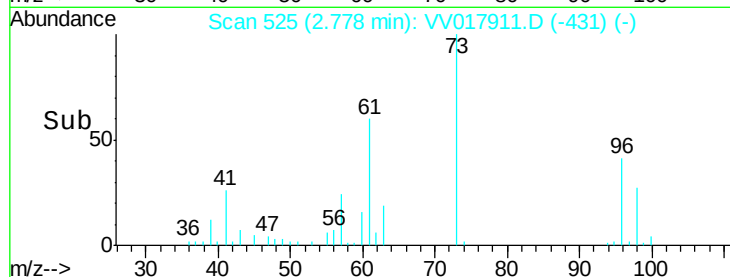
96 100

61 147.8 102.4 190.2

98 67.4 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV017911.D (-431) (-)



#18

Methyl tert-butyl Ether

Concen: 5.414 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV017911.D

Acq: 11 Aug 2020 16:01

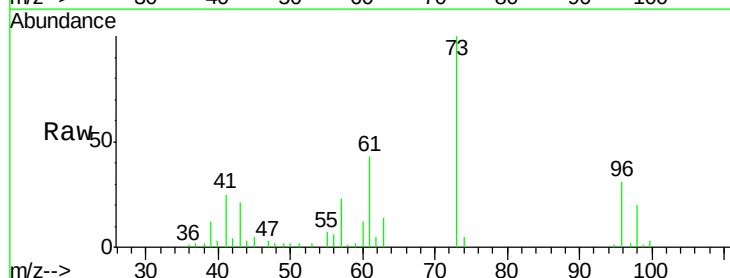
Tgt Ion: 73 Resp: 30537

Ion Ratio Lower Upper

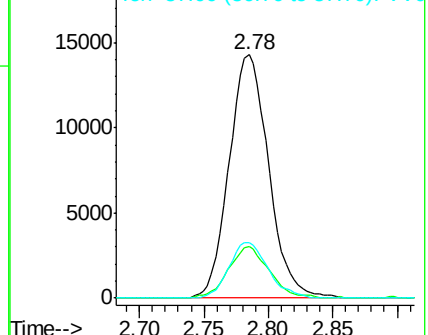
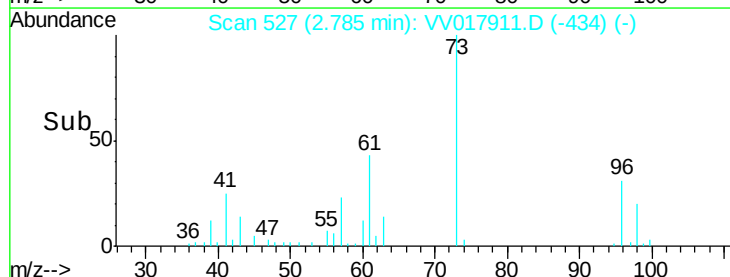
73 100

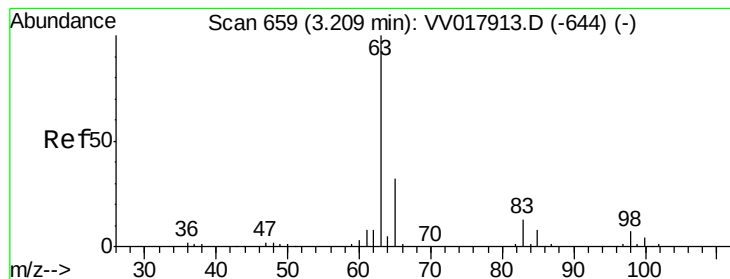
43 21.7 15.9 23.9

57 22.5 18.1 27.1



Abundance Ion 73.00 (72.70 to 73.70): VV017911.D (-434) (-)





#19

1,1-Dichloroethane

Concen: 6.889 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV017911.D

Acq: 11 Aug 2020 16:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

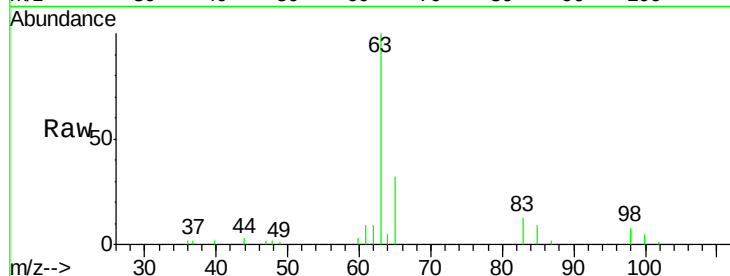
Tgt Ion: 63 Resp: 19611

Ion Ratio Lower Upper

63 100

65 31.7 22.5 41.7

83 13.1 9.2 17.2

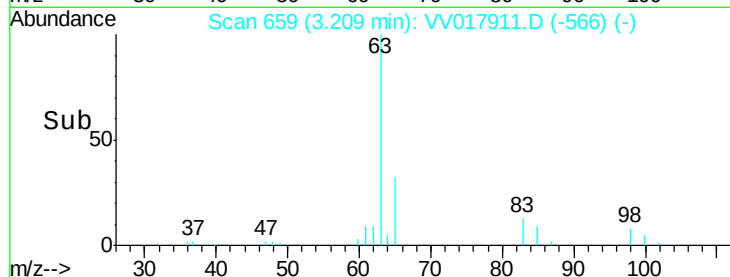


Abundance Ion 63.00 (62.70 to 63.70): VV017911.D (-644) (-)

Ion 65.00 (64.70 to 65.70): VV017911.D (-644) (-)

Ion 83.00 (82.70 to 83.70): VV017911.D (-644) (-)

Time-->



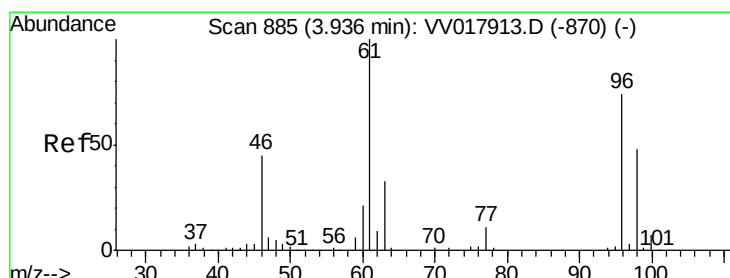
Abundance

Ion 63.00 (62.70 to 63.70): VV017911.D (-566) (-)

Ion 65.00 (64.70 to 65.70): VV017911.D (-566) (-)

Ion 83.00 (82.70 to 83.70): VV017911.D (-566) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 5.698 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017911.D

Acq: 11 Aug 2020 16:01

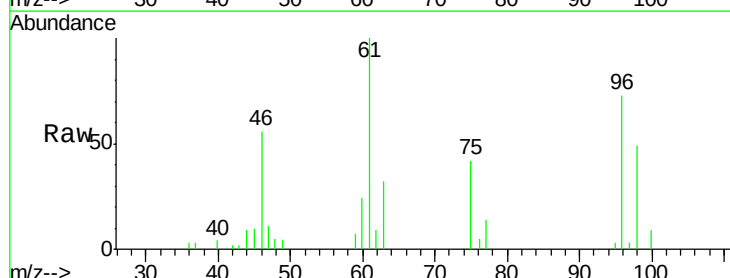
Tgt Ion: 96 Resp: 10192

Ion Ratio Lower Upper

96 100

61 136.8 95.0 176.4

68 0.0 0.0 0.0

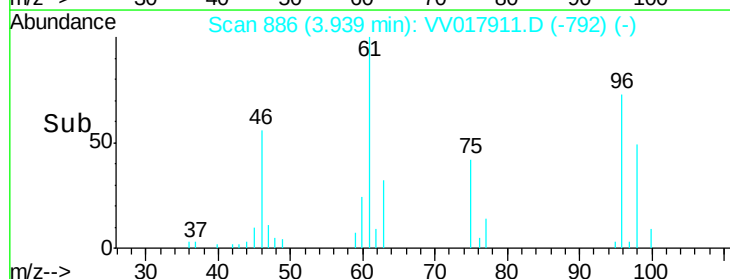


Abundance Ion 96.00 (95.70 to 96.70): VV017911.D (-870) (-)

Ion 61.00 (60.70 to 61.70): VV017911.D (-870) (-)

Ion 68.00 (67.70 to 68.70): VV017911.D (-870) (-)

Time-->



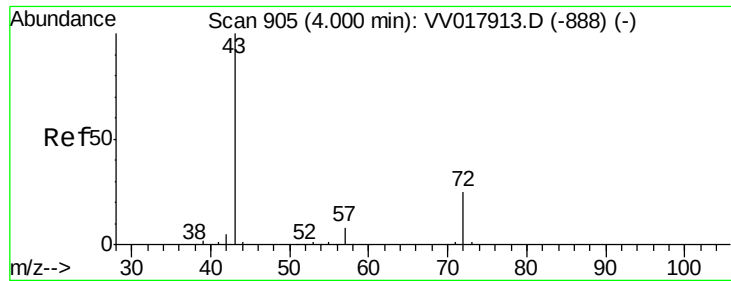
Abundance

Ion 96.00 (95.70 to 96.70): VV017911.D (-792) (-)

Ion 61.00 (60.70 to 61.70): VV017911.D (-792) (-)

Ion 68.00 (67.70 to 68.70): VV017911.D (-792) (-)

Time-->



#22

2-Butanone

Concen: 12.010 ug/L

RT: 4.01 min Scan# 909

Delta R.T. 0.01 min

Lab File: VV017911.D

Acq: 11 Aug 2020 16:01

Instrument :

MSVOA_V

ClientSampleId :

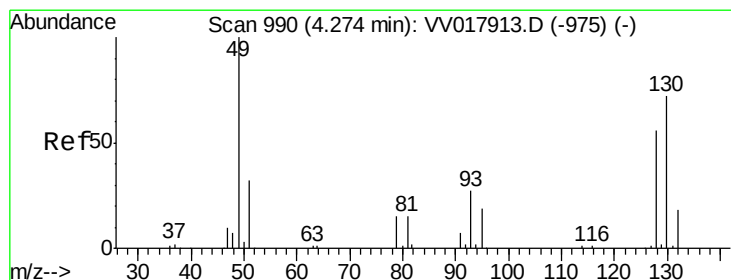
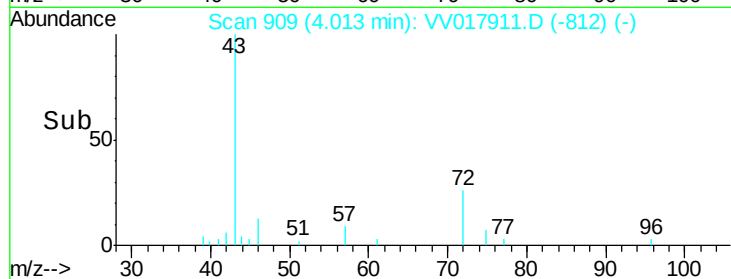
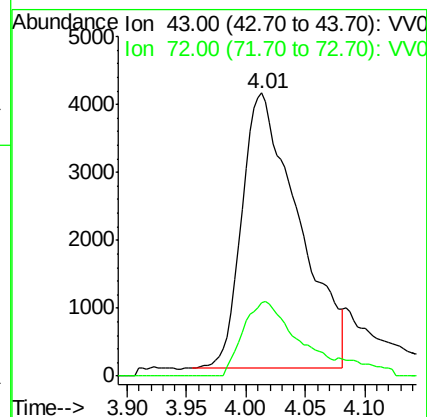
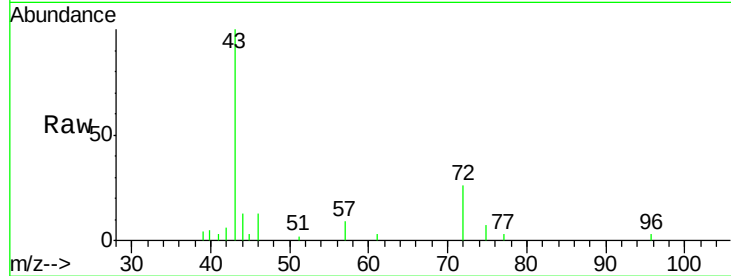
VSTD00563

Tgt Ion: 43 Resp: 13449

Ion Ratio Lower Upper

43 100

72 25.7 12.7 38.0



#23

Bromochloromethane

Concen: 5.363 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.01 min

Lab File: VV017911.D

Acq: 11 Aug 2020 16:01

Tgt Ion: 128 Resp: 5576

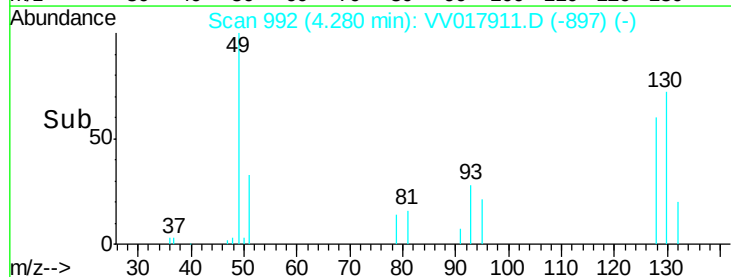
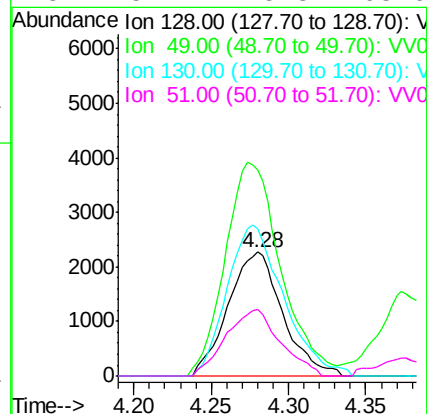
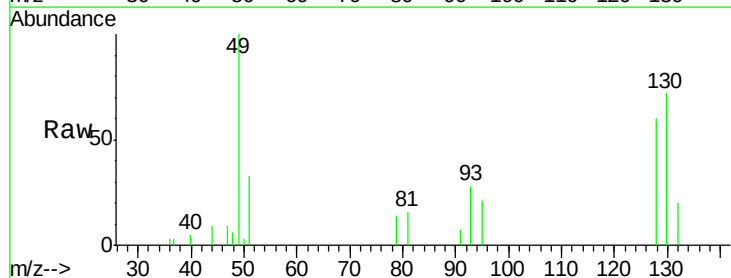
Ion Ratio Lower Upper

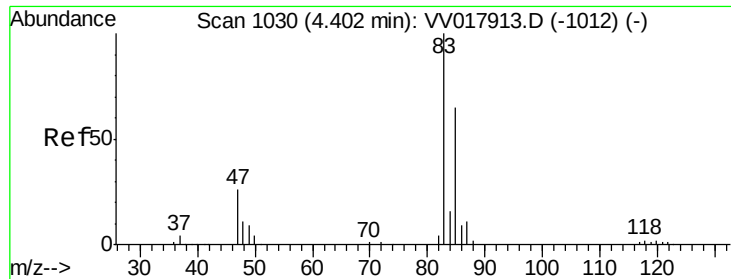
128 100

49 166.2 125.6 233.3

130 118.8 89.9 167.0

51 54.2 45.8 68.6

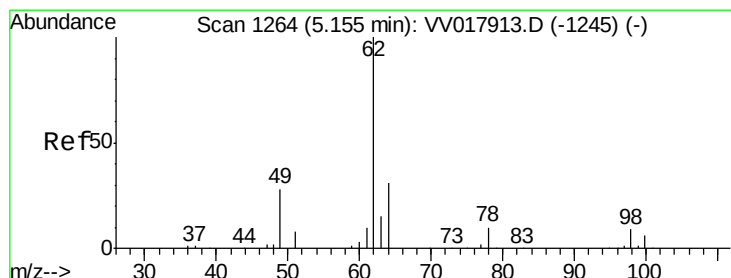
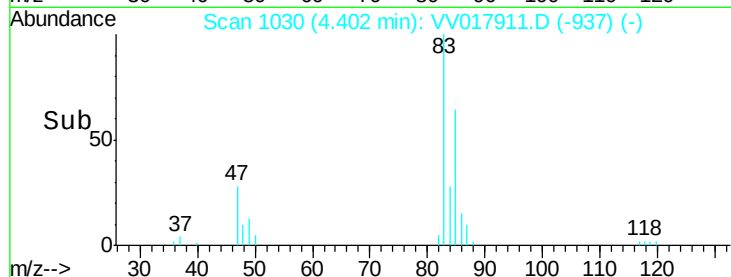
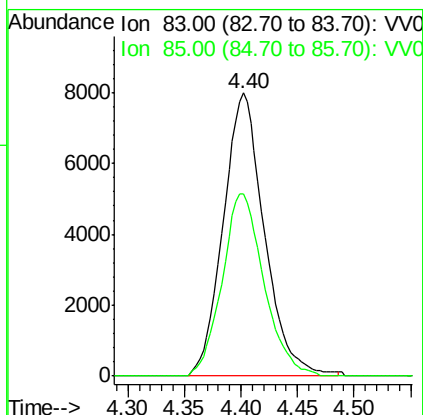
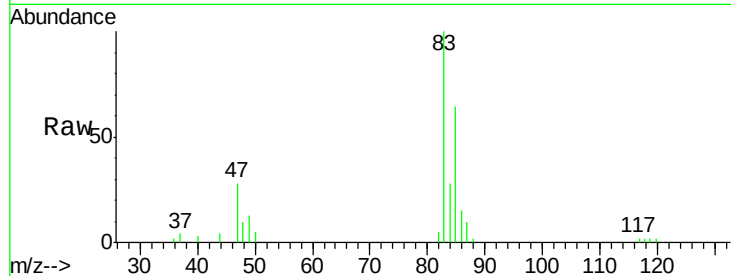




#25
Chloroform
Concen: 5.832 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV017911.D
Acq: 11 Aug 2020 16:01

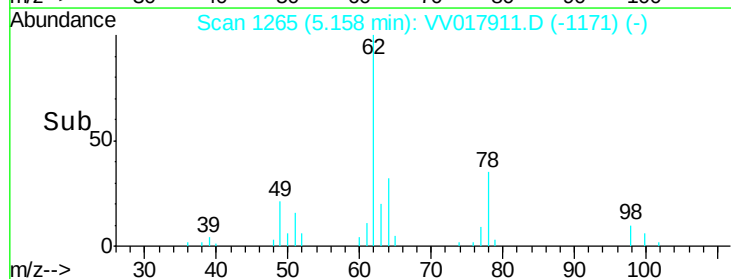
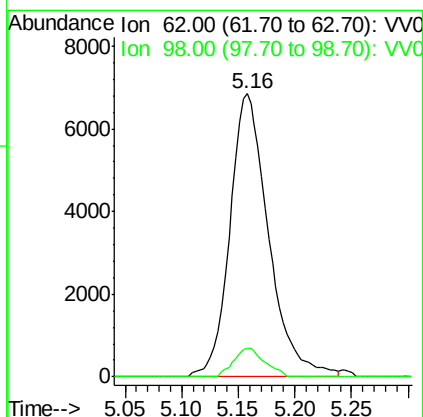
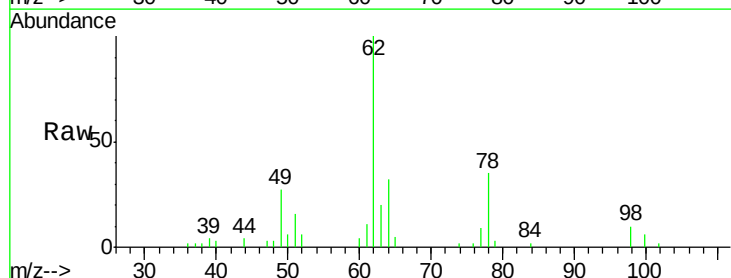
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

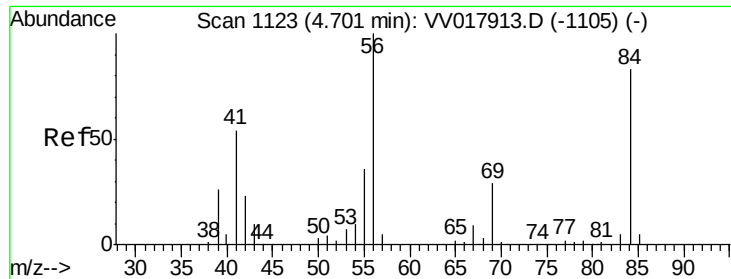
Tgt Ion: 83 Resp: 20229
Ion Ratio Lower Upper
83 100
85 64.3 45.5 84.5



#27
1,2-Dichloroethane
Concen: 5.310 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV017911.D
Acq: 11 Aug 2020 16:01

Tgt Ion: 62 Resp: 16307
Ion Ratio Lower Upper
62 100
98 10.1 7.1 10.7

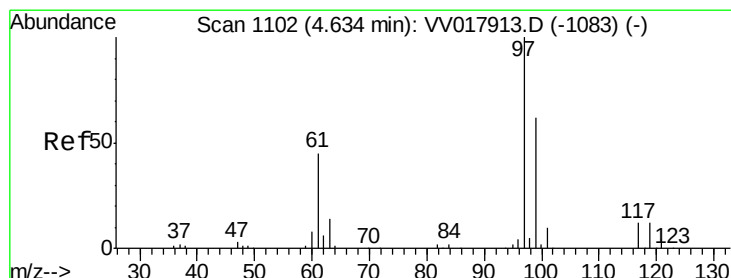
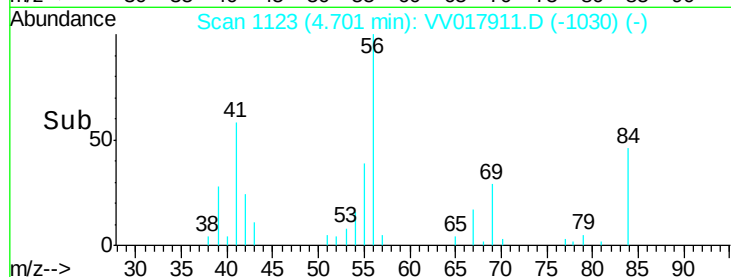
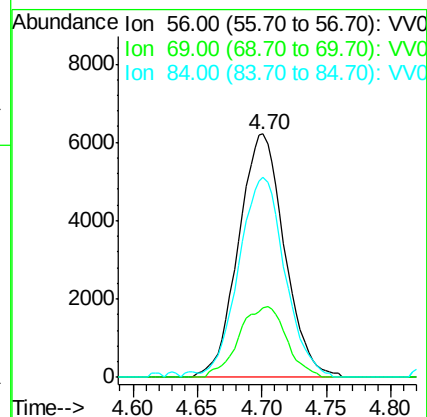
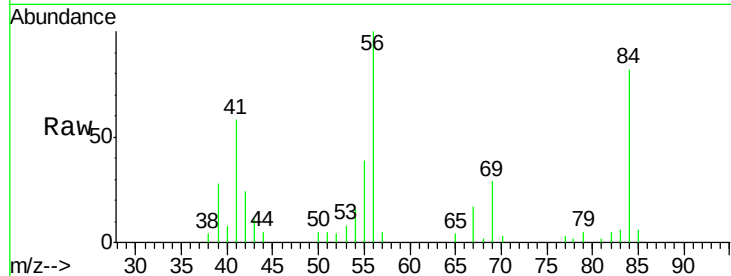




#29
Cyclohexane
Concen: 6.851 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV017911.D
Acq: 11 Aug 2020 16:01

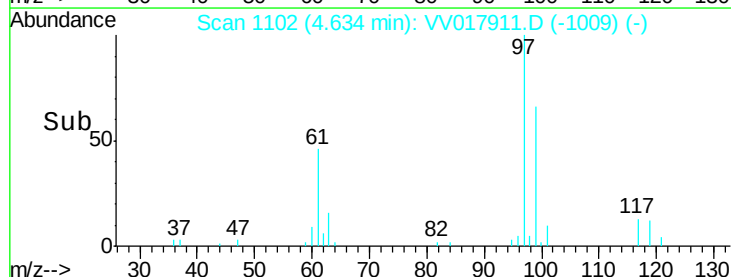
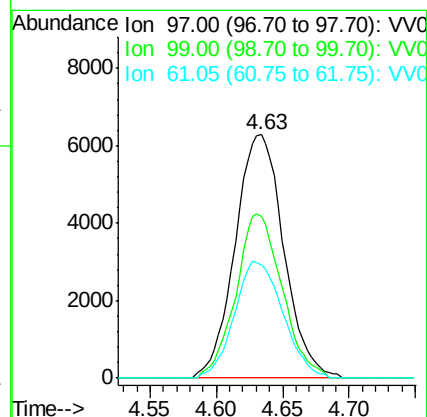
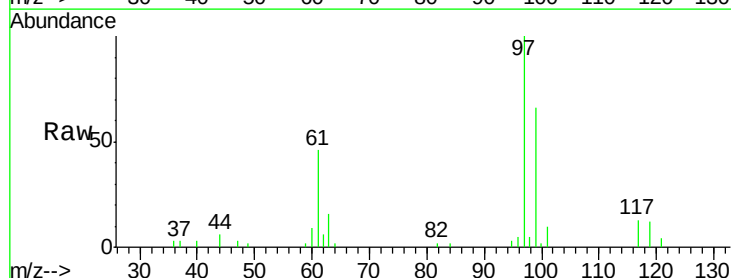
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

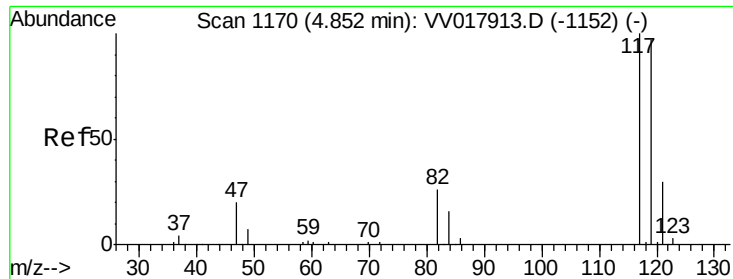
Tgt Ion: 56 Resp: 15429
Ion Ratio Lower Upper
56 100
69 29.9 23.8 35.8
84 82.5 66.8 100.2



#30
1,1,1-Trichloroethane
Concen: 4.603 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV017911.D
Acq: 11 Aug 2020 16:01

Tgt Ion: 97 Resp: 16059
Ion Ratio Lower Upper
97 100
99 63.9 50.6 76.0
61 47.6 37.0 55.6





#31

Carbon tetrachloride

Concen: 4.454 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV017911.D

Acq: 11 Aug 2020 16:01

Instrument :

MSVOA_V

ClientSampleId :

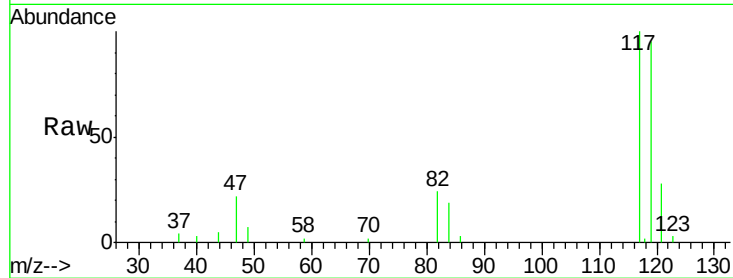
VSTD00563

Tgt Ion:117 Resp: 13683

Ion Ratio Lower Upper

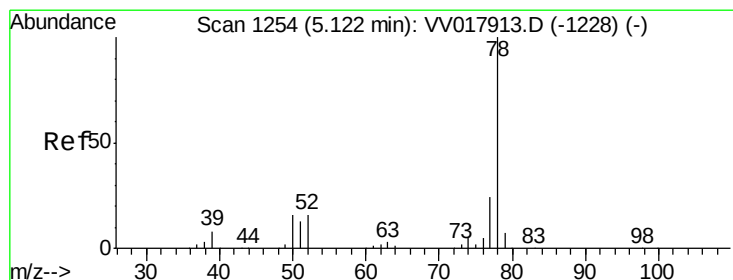
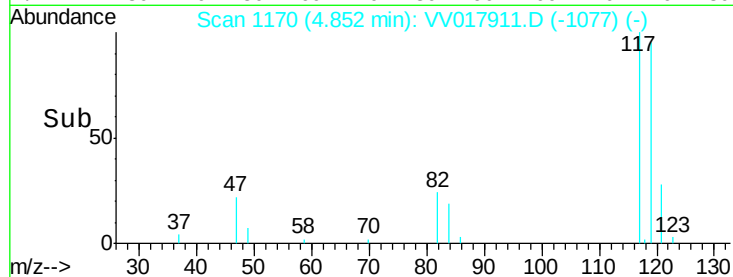
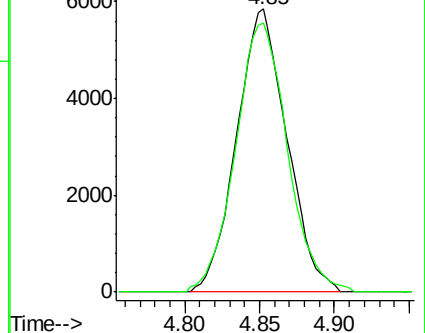
117 100

119 98.2 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 6.371 ug/L

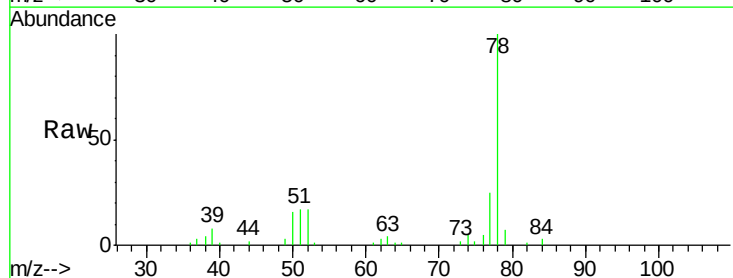
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

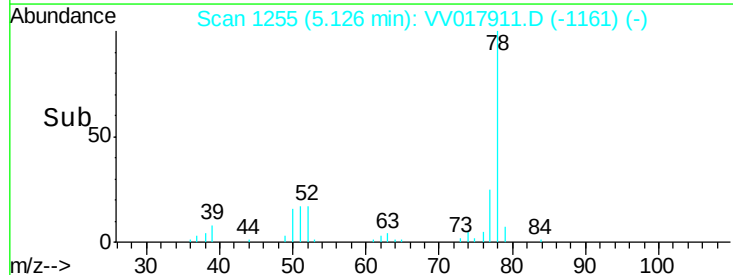
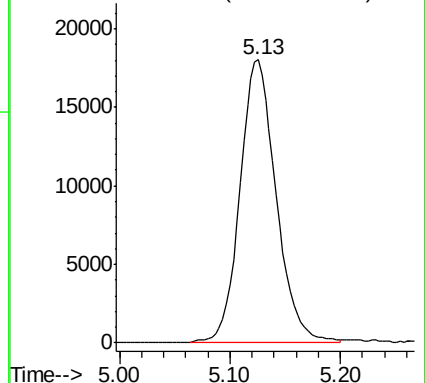
Lab File: VV017911.D

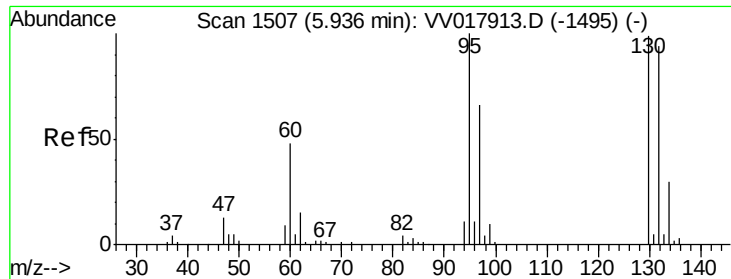
Acq: 11 Aug 2020 16:01

Tgt Ion: 78 Resp: 40988



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 6.146 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017911.D

Acq: 11 Aug 2020 16:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

Tgt Ion: 95 Resp: 11476

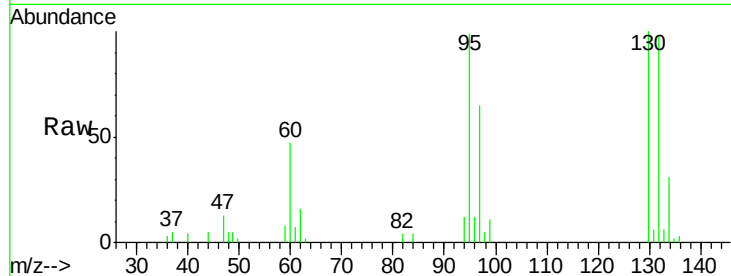
Ion Ratio Lower Upper

95 100

97 64.9 46.0 85.4

132 99.0 65.8 122.2

130 100.6 69.2 128.6



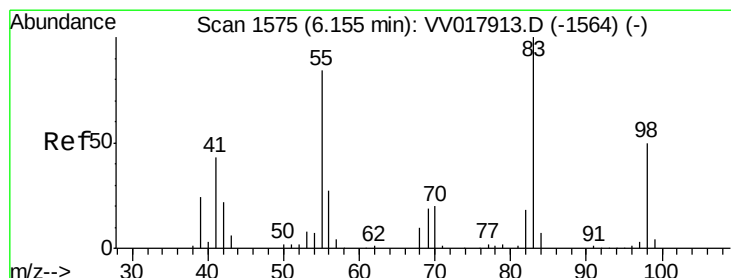
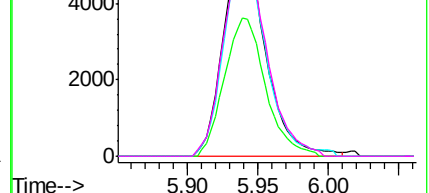
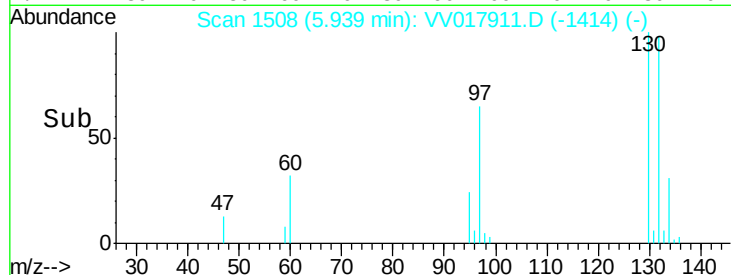
Abundance Ion 95.00 (94.70 to 95.70): VV017911.D (-1495) (-)

Ion 97.00 (96.70 to 97.70): VV017911.D (-1495) (-)

Ion 132.00 (131.70 to 132.70): VV017911.D (-1495) (-)

Ion 130.00 (129.70 to 130.70): VV017911.D (-1495) (-)

Time-->



#35

Methylcyclohexane

Concen: 5.865 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV017911.D

Acq: 11 Aug 2020 16:01

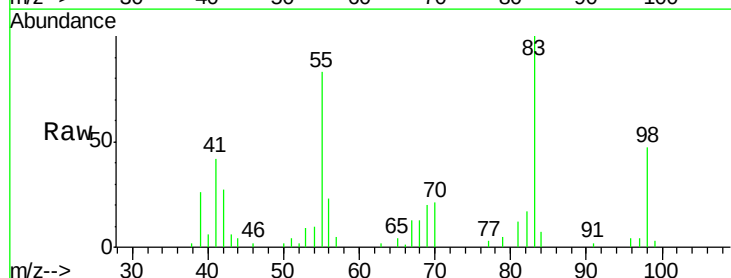
Tgt Ion: 83 Resp: 15728

Ion Ratio Lower Upper

83 100

55 84.9 64.9 97.3

98 48.2 38.7 58.1

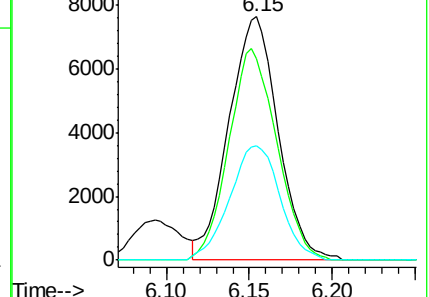
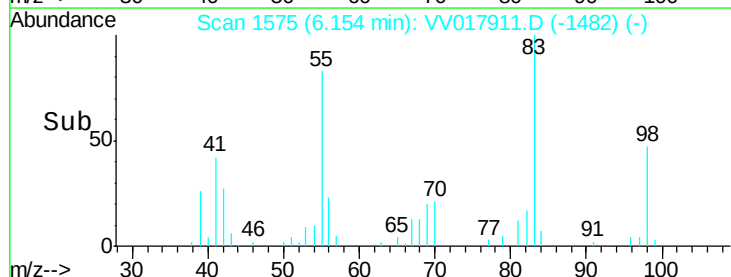


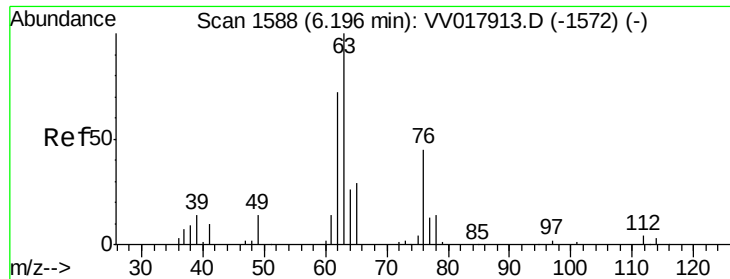
Abundance Ion 83.00 (82.70 to 83.70): VV017911.D (-1564) (-)

Ion 55.00 (54.70 to 55.70): VV017911.D (-1564) (-)

Ion 98.00 (97.70 to 98.70): VV017911.D (-1564) (-)

Time-->

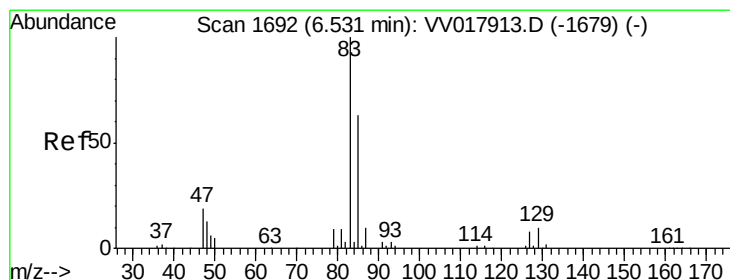
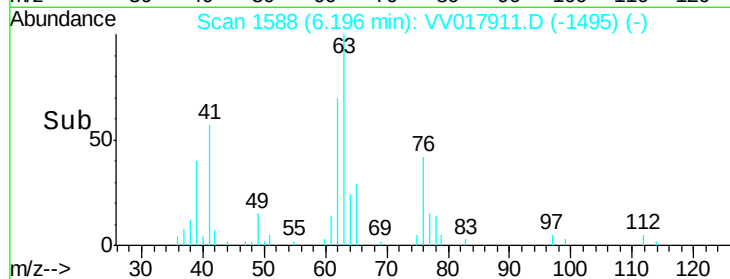
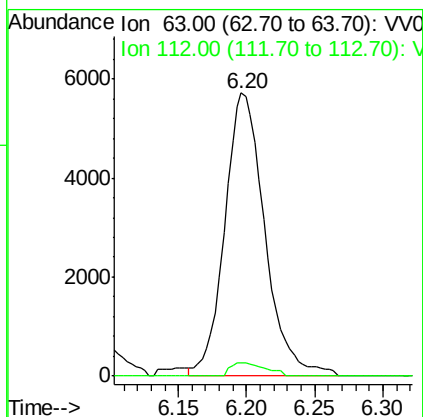
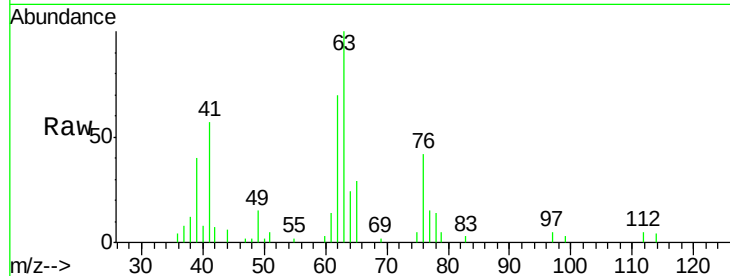




#37
 1,2-Dichloropropane
 Concen: 7.797 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV017911.D
 Acq: 11 Aug 2020 16:01

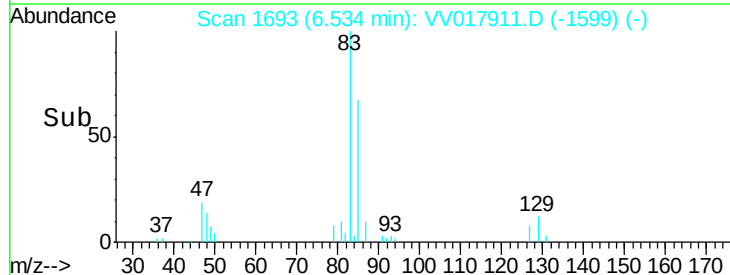
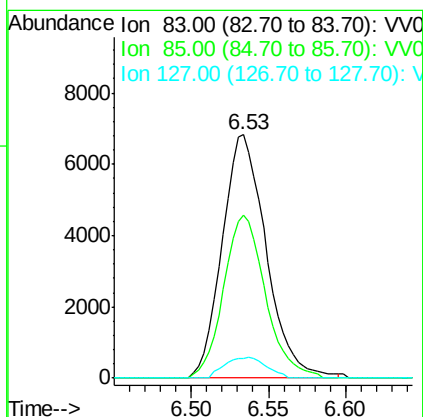
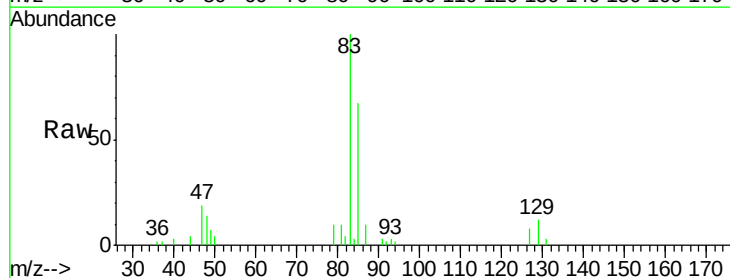
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

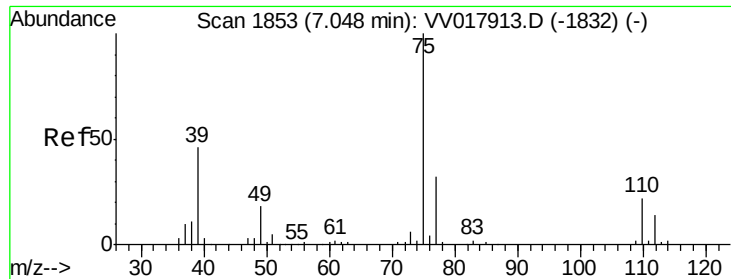
Tgt Ion: 63 Resp: 11683
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.505 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017911.D
 Acq: 11 Aug 2020 16:01

Tgt Ion: 83 Resp: 13492
 Ion Ratio Lower Upper
 83 100
 85 66.7 44.3 82.3
 127 8.3 6.5 9.7

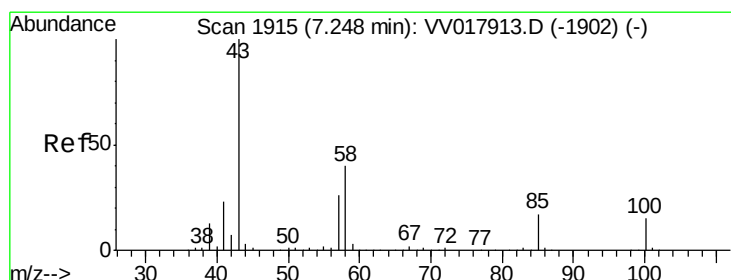
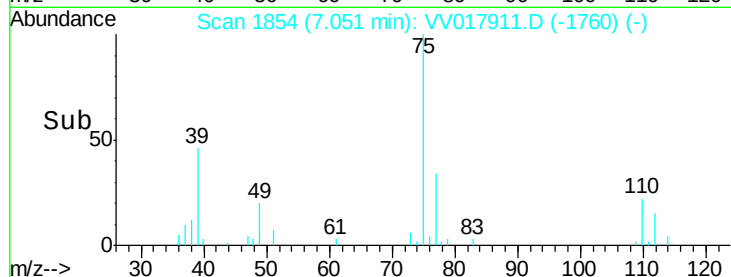
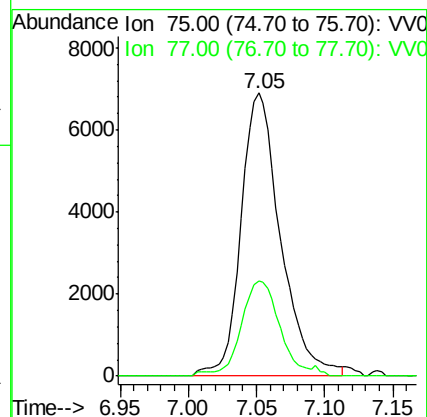
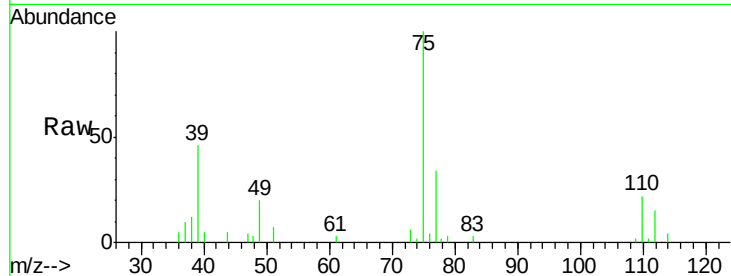




#39
 cis-1,3-Dichloropropene
 Concen: 5.716 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV017911.D
 Acq: 11 Aug 2020 16:01

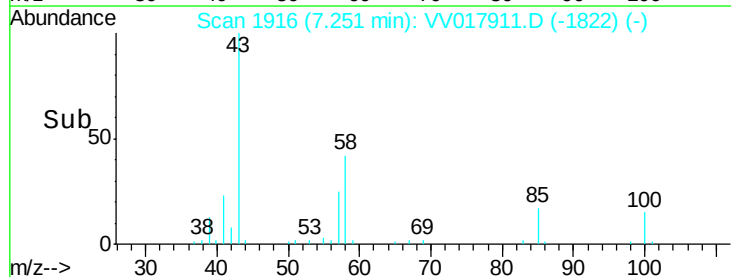
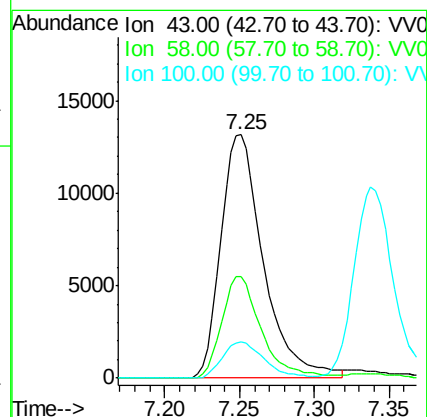
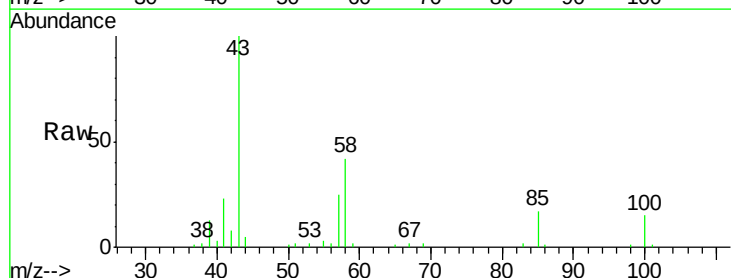
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

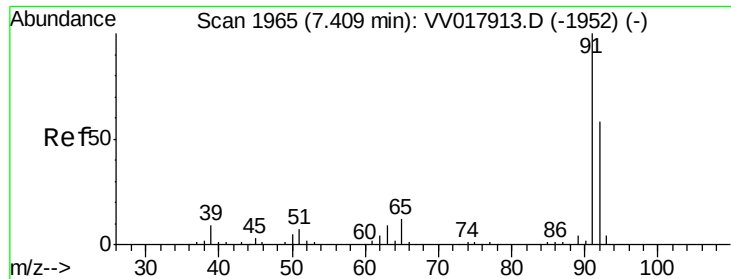
Tgt Ion: 75 Resp: 13915
 Ion Ratio Lower Upper
 75 100
 77 33.7 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 13.194 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV017911.D
 Acq: 11 Aug 2020 16:01

Tgt Ion: 43 Resp: 26049
 Ion Ratio Lower Upper
 43 100
 58 39.0 31.9 47.9
 100 14.6 12.2 18.2





#42

Toluene

Concen: 5.714 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017911.D

Acq: 11 Aug 2020 16:01

Instrument :

MSVOA_V

ClientSampled :

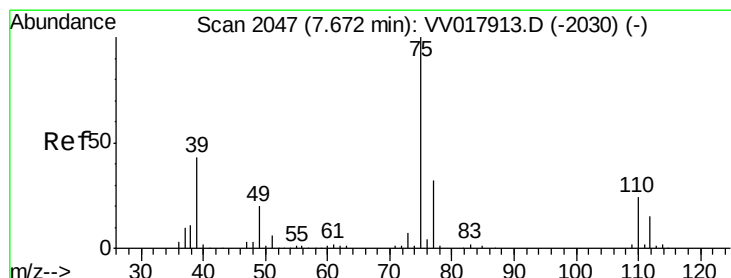
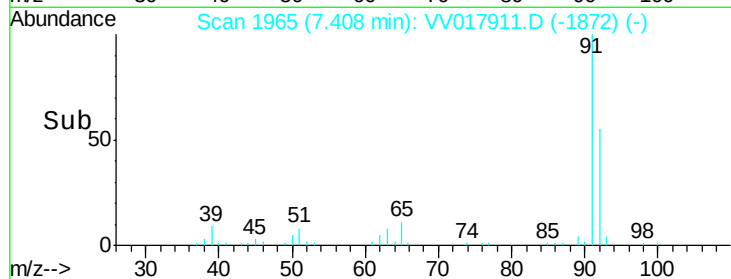
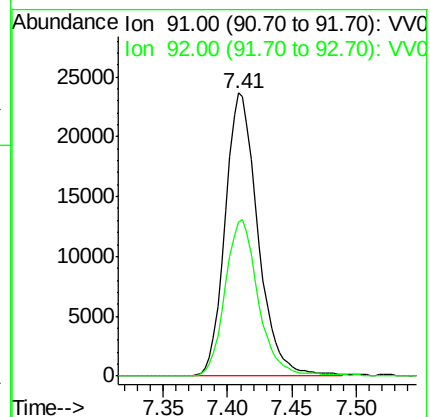
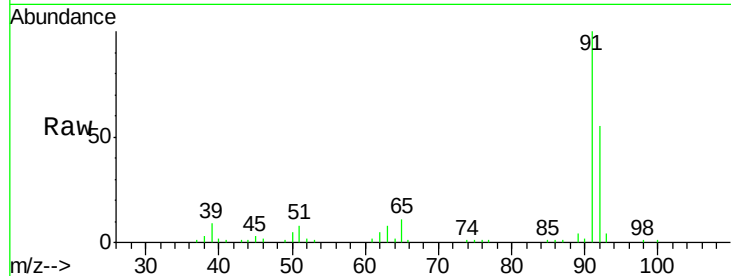
VSTD00563

Tgt Ion: 91 Resp: 41746

Ion Ratio Lower Upper

91 100

92 54.6 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 4.944 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV017911.D

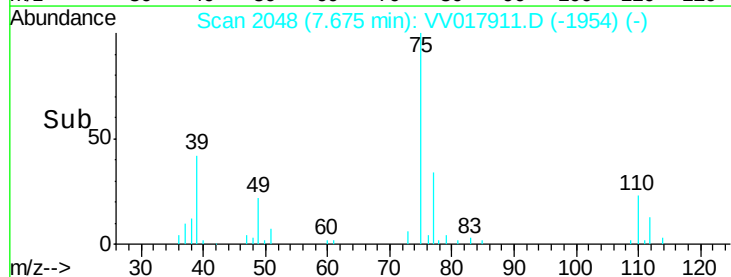
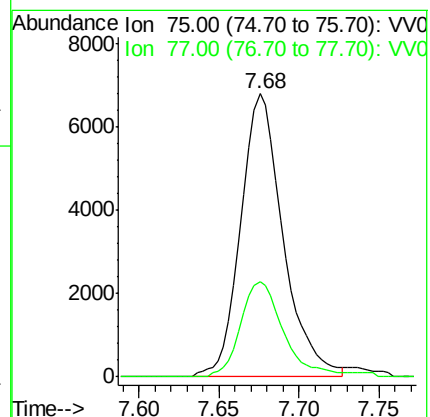
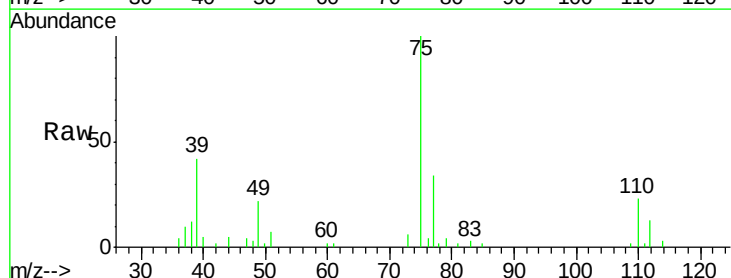
Acq: 11 Aug 2020 16:01

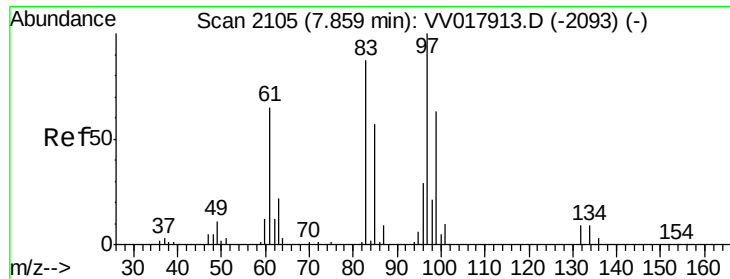
Tgt Ion: 75 Resp: 12287

Ion Ratio Lower Upper

75 100

77 33.7 22.3 41.5

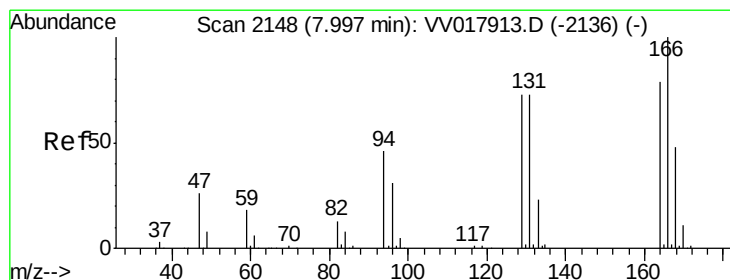
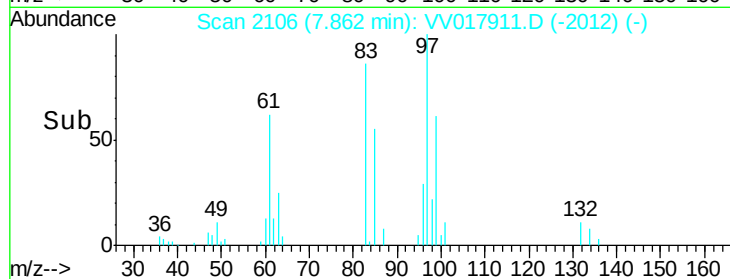
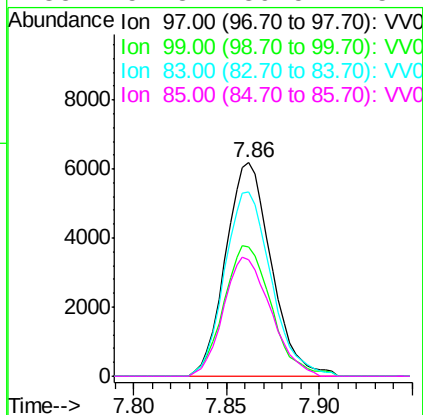
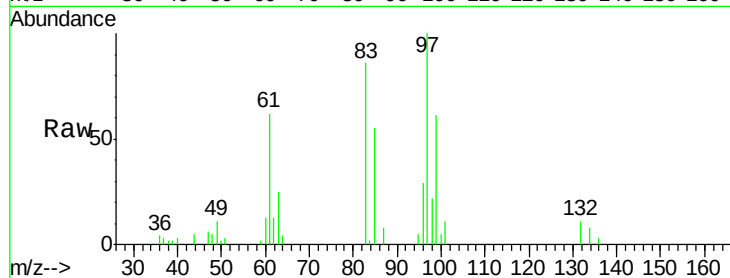




#45
 1,1,2-Trichloroethane
 Concen: 6.077 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV017911.D
 Acq: 11 Aug 2020 16:01

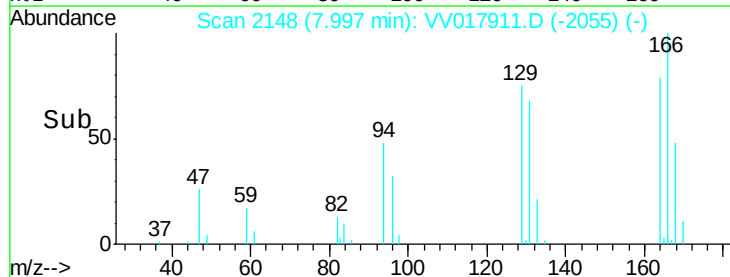
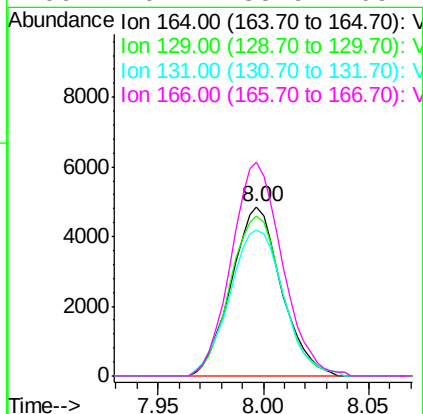
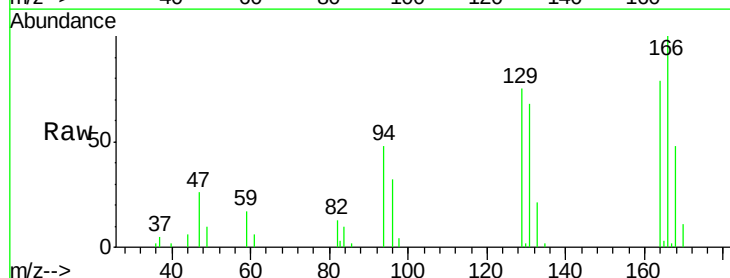
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

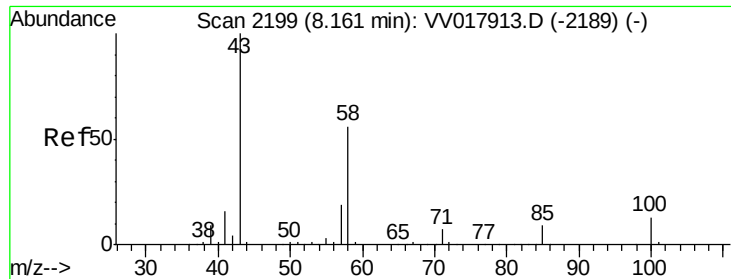
Tgt Ion:	97	Resp:	10575
Ion	Ratio	Lower	Upper
97	100		
99	60.6	44.2	82.2
83	86.5	61.0	113.4
85	54.8	39.5	73.4



#46
 Tetrachloroethene
 Concen: 4.807 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV017911.D
 Acq: 11 Aug 2020 16:01

Tgt Ion:	164	Resp:	8028
Ion	Ratio	Lower	Upper
164	100		
129	94.4	64.8	120.3
131	86.3	64.5	119.9
166	126.1	88.9	165.1

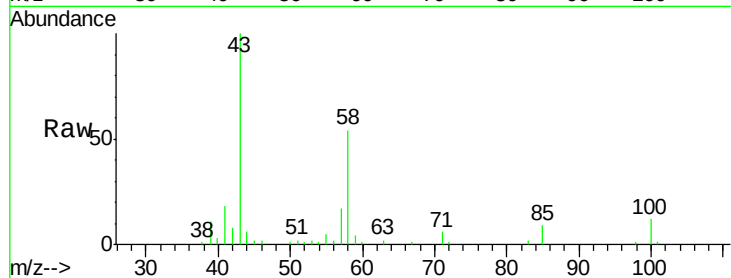




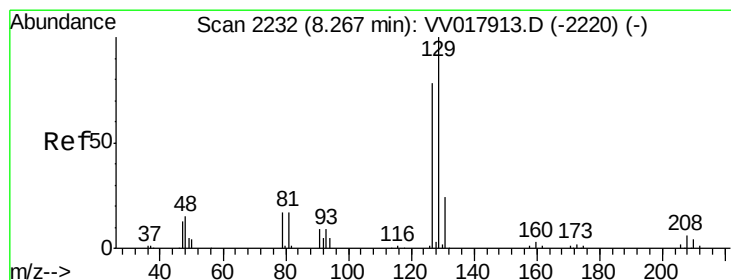
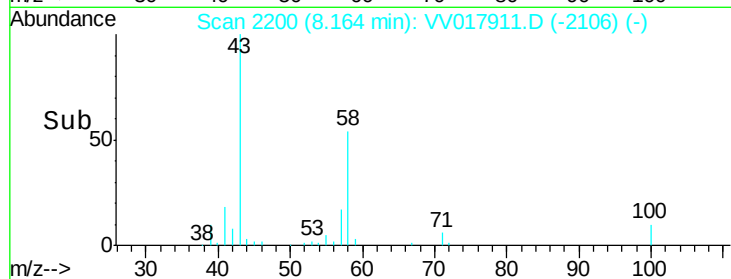
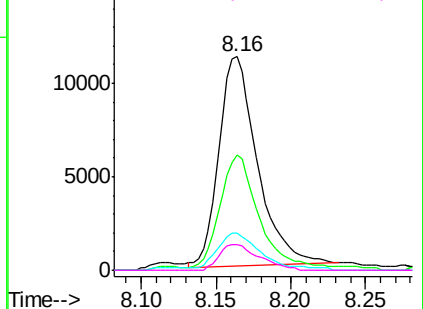
#48
2-Hexanone
Concen: 12.351 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV017911.D
Acq: 11 Aug 2020 16:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Tgt Ion: 43 Resp: 20356
Ion Ratio Lower Upper
43 100
58 53.8 44.4 66.6
57 17.2 15.2 22.8
100 12.5 9.8 14.6

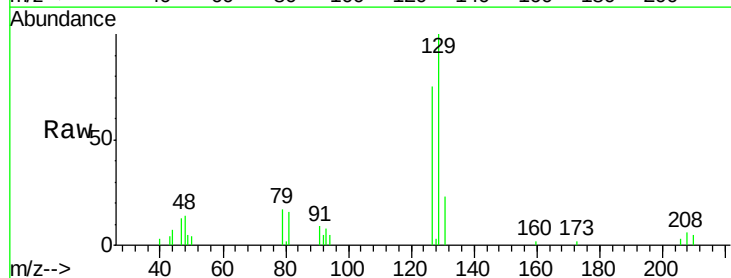


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

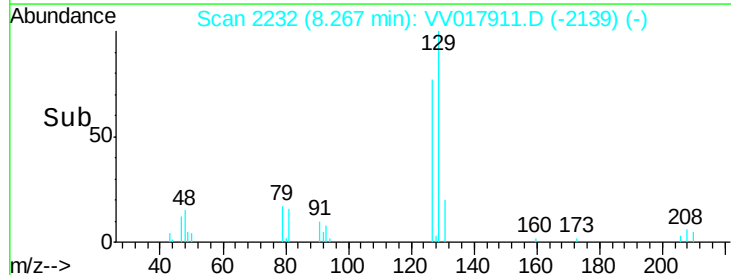
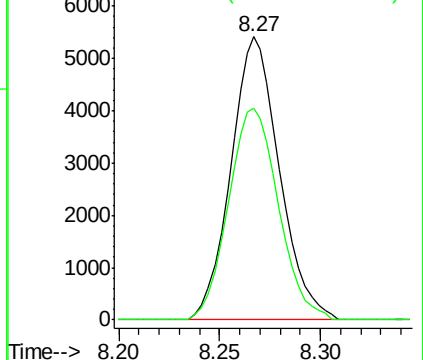


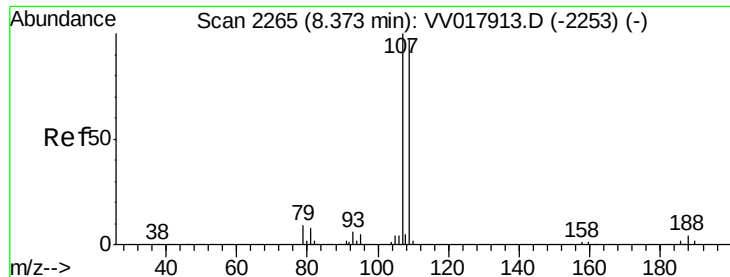
#49
Dibromochloromethane
Concen: 4.874 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017911.D
Acq: 11 Aug 2020 16:01

Tgt Ion: 129 Resp: 9096
Ion Ratio Lower Upper
129 100
127 74.7 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

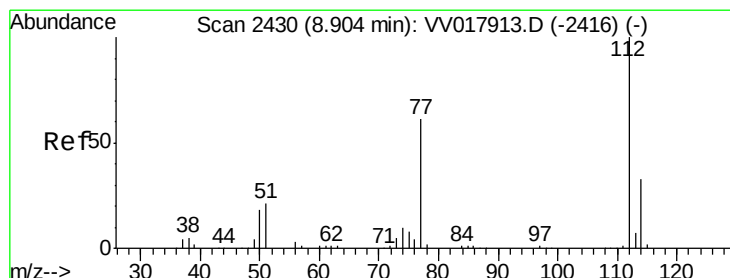
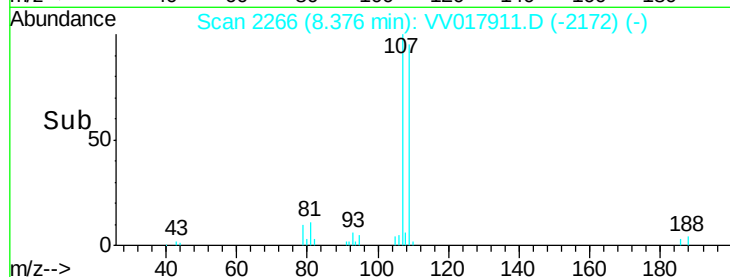
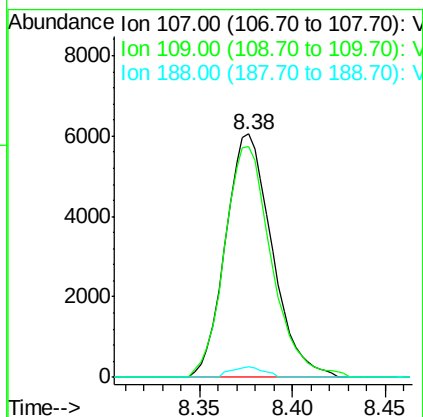
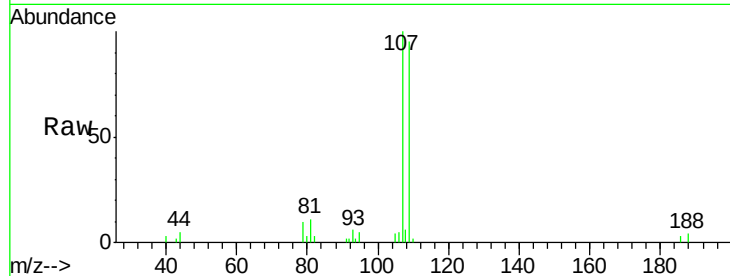




#50
1,2-Dibromoethane
Concen: 5.623 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV017911.D
Acq: 11 Aug 2020 16:01

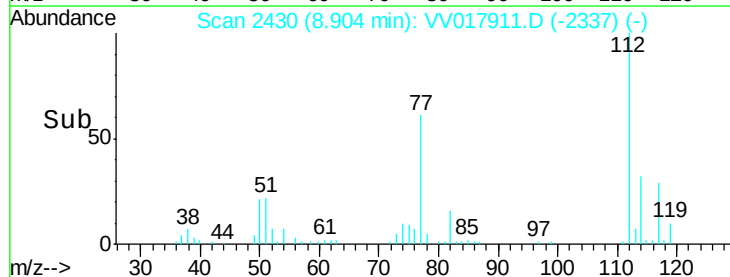
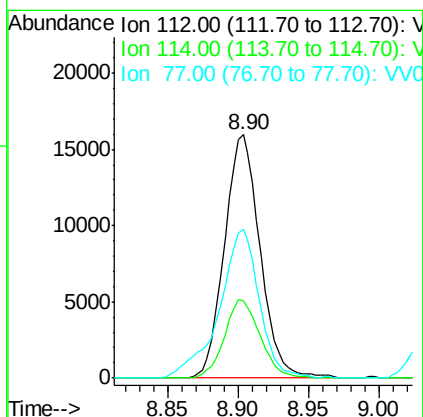
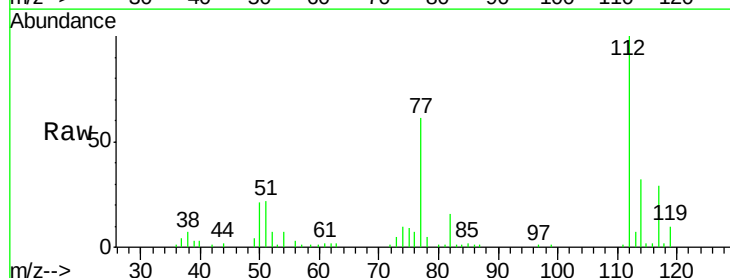
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

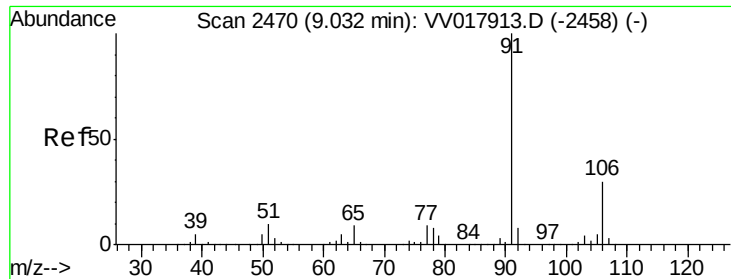
Tgt Ion:107 Resp: 10588
Ion Ratio Lower Upper
107 100
109 94.8 67.5 125.4
188 4.4 3.4 5.0



#51
Chlorobenzene
Concen: 5.682 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV017911.D
Acq: 11 Aug 2020 16:01

Tgt Ion:112 Resp: 28171
Ion Ratio Lower Upper
112 100
114 31.5 22.7 42.3
77 61.1 49.4 74.2





#52

Ethylbenzene

Concen: 5.310 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017911.D

Acq: 11 Aug 2020 16:01

Instrument :

MSVOA_V

ClientSampleId :

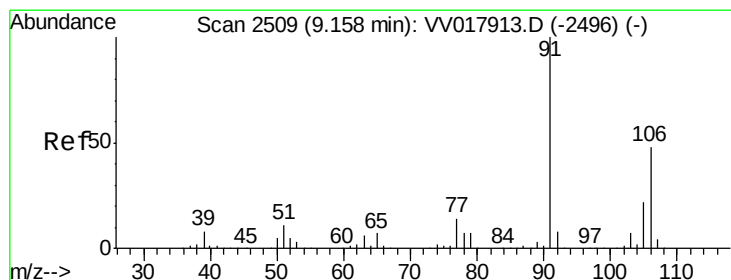
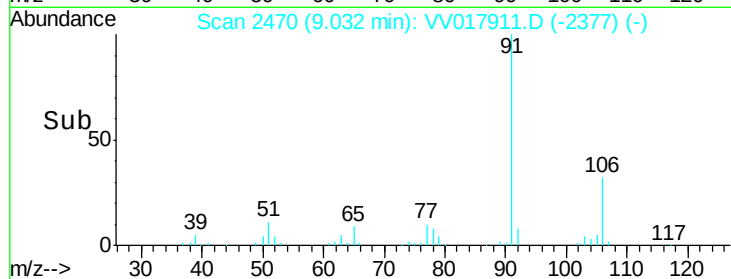
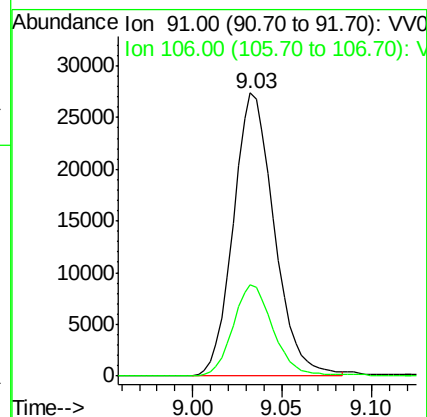
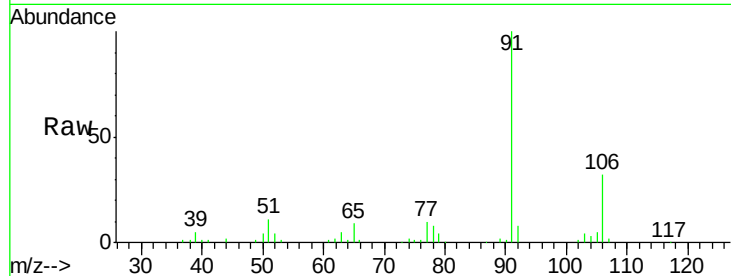
VSTD00563

Tgt Ion: 91 Resp: 43838

Ion Ratio Lower Upper

91 100

106 32.3 21.1 39.3



#53

m,p-Xylene

Concen: 4.940 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017911.D

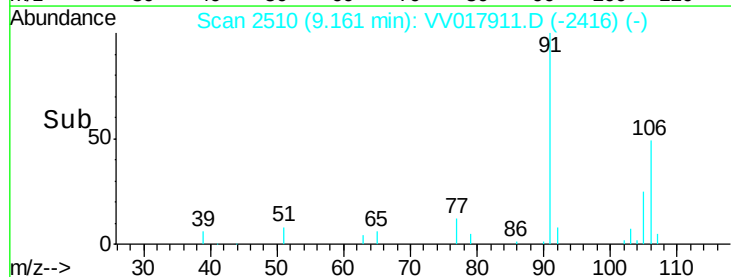
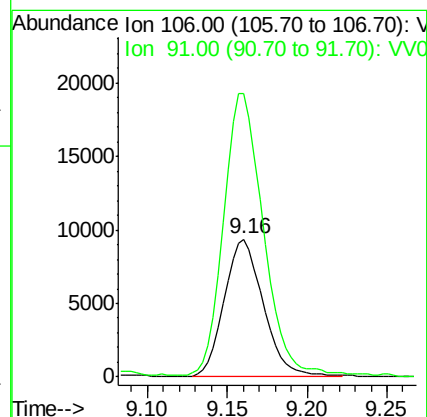
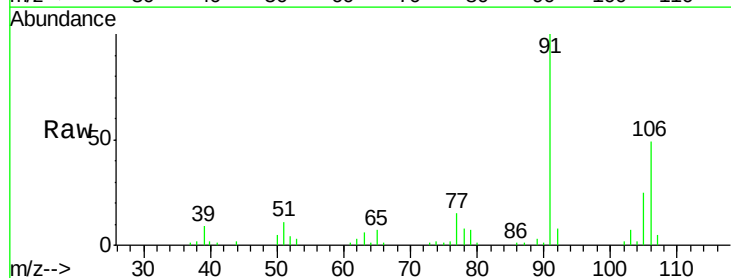
Acq: 11 Aug 2020 16:01

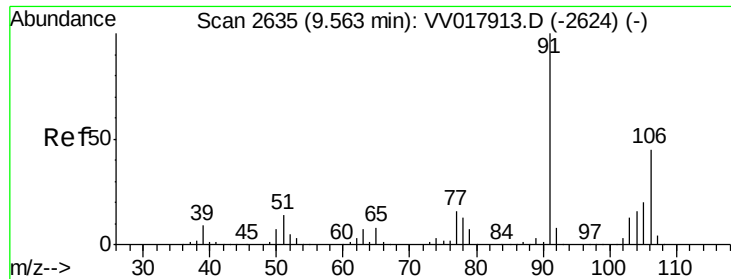
Tgt Ion: 106 Resp: 15746

Ion Ratio Lower Upper

106 100

91 205.5 147.3 273.6





#54

o-xylene

Concen: 5.084 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV017911.D

Acq: 11 Aug 2020 16:01

Instrument :

MSVOA_V

ClientSampleId :

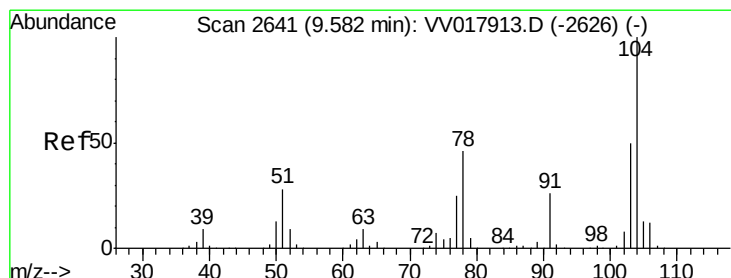
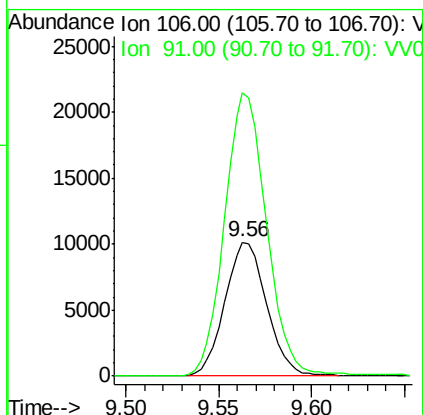
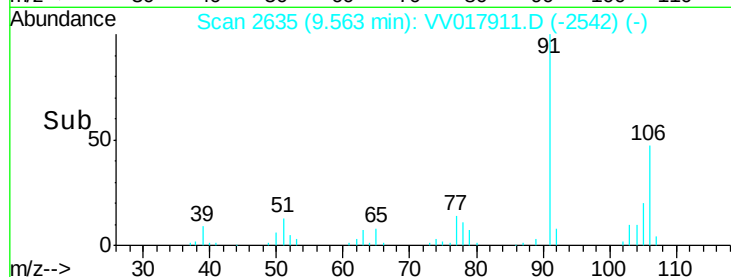
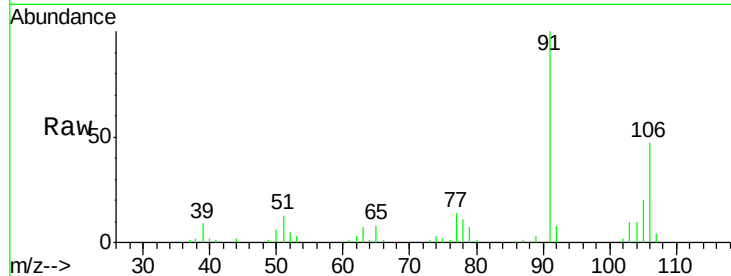
VSTD00563

Tgt Ion:106 Resp: 15914

Ion Ratio Lower Upper

106 100

91 211.7 156.0 289.8



#55

Styrene

Concen: 4.606 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV017911.D

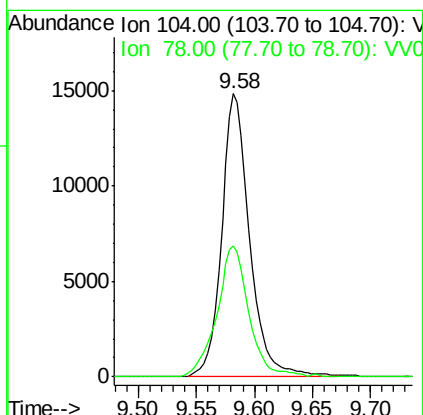
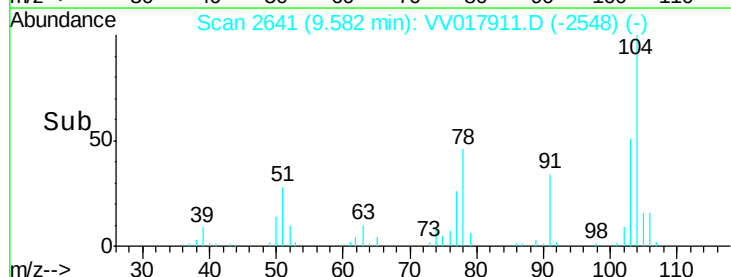
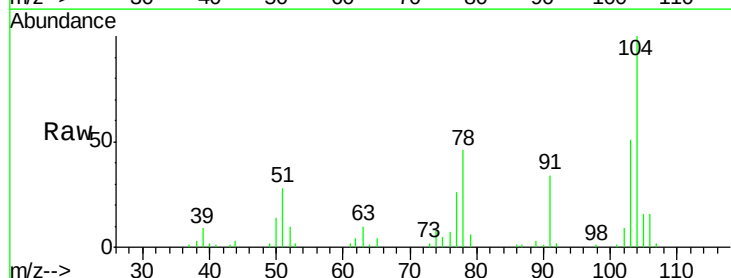
Acq: 11 Aug 2020 16:01

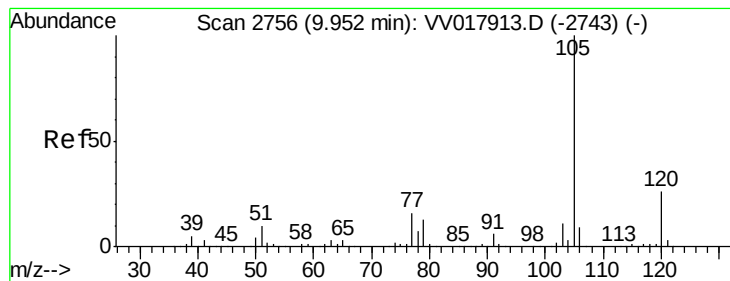
Tgt Ion:104 Resp: 24868

Ion Ratio Lower Upper

104 100

78 46.5 32.2 59.8





#56

Isopropylbenzene

Concen: 4.663 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017911.D

Acq: 11 Aug 2020 16:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

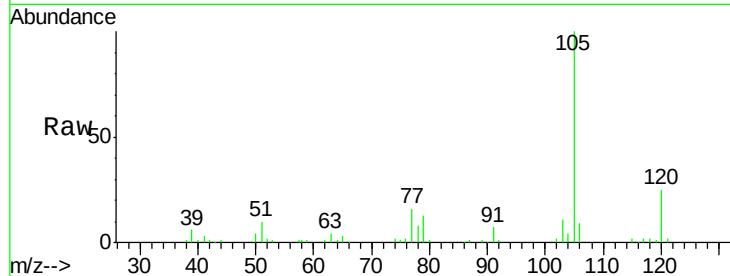
Tgt Ion: 105 Resp: 39930

Ion Ratio Lower Upper

105 100

120 25.6 20.6 31.0

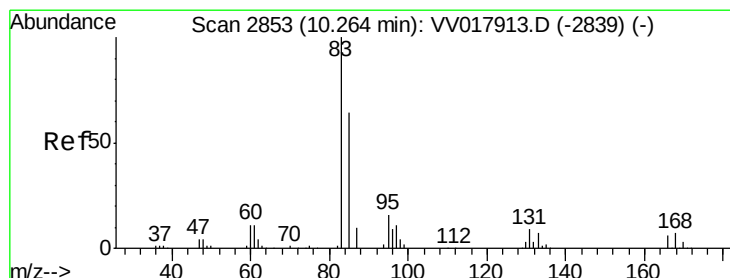
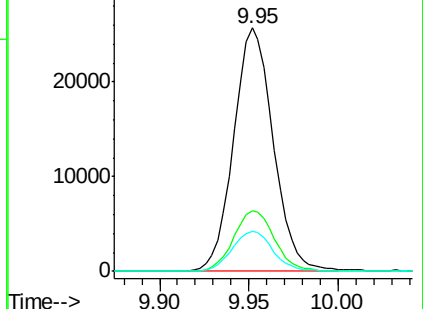
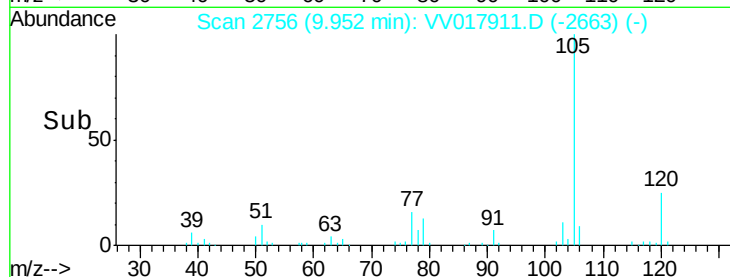
77 16.8 13.1 19.7



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: 6.280 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017911.D

Acq: 11 Aug 2020 16:01

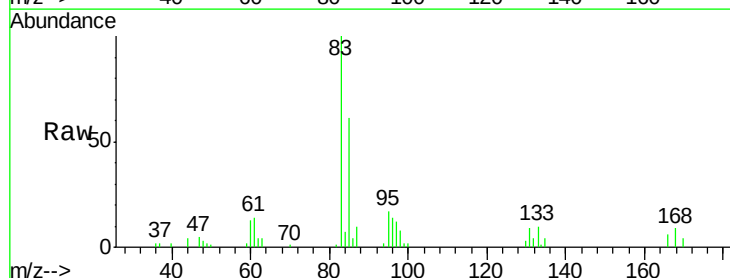
Tgt Ion: 83 Resp: 15257

Ion Ratio Lower Upper

83 100

85 61.2 45.1 83.7

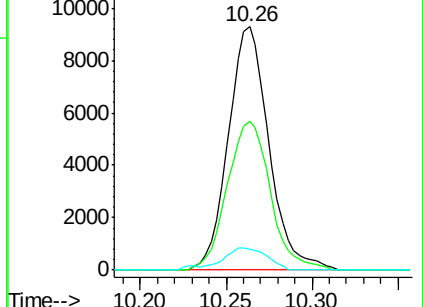
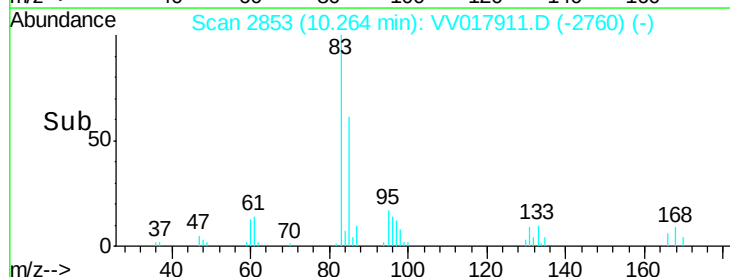
131 8.6 7.8 11.6

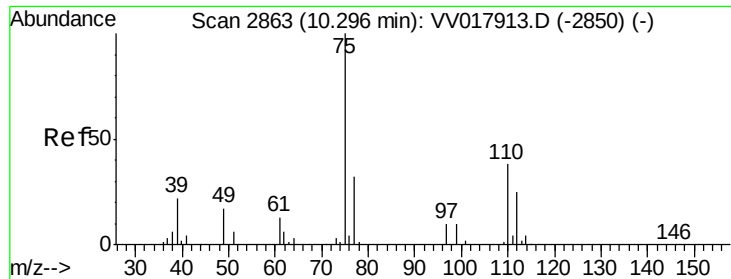


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 6.353 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV017911.D

Acq: 11 Aug 2020 16:01

Instrument :

MSVOA_V

ClientSampleId :

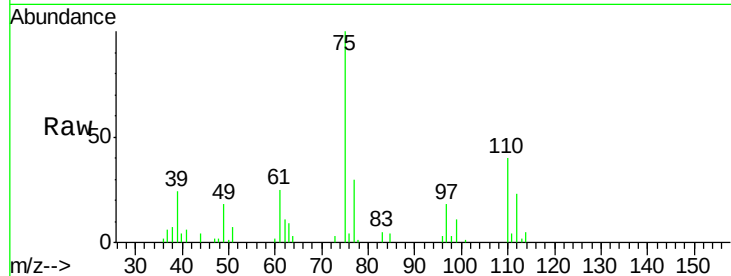
VSTD00563

Tgt Ion: 75 Resp: 13815

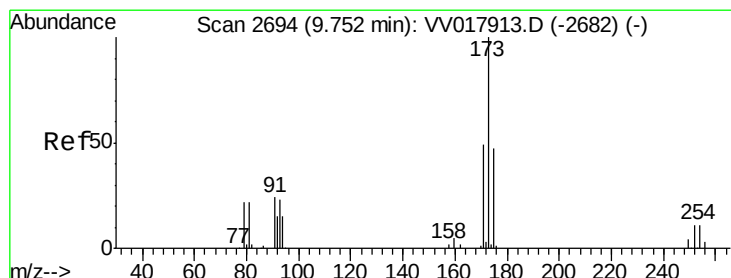
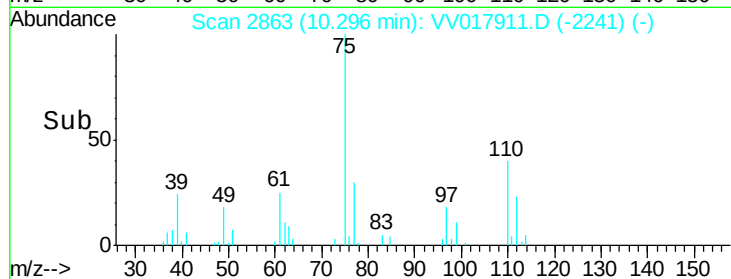
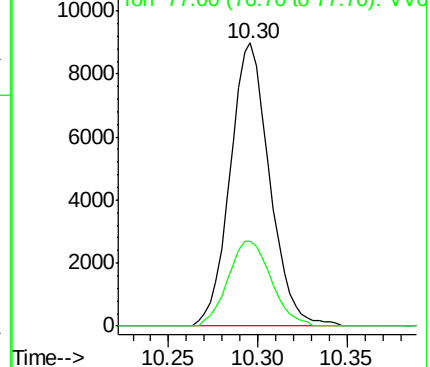
Ion Ratio Lower Upper

75 100

77 32.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV017913.D (-2850) (-)



#61

Bromoform

Concen: 4.457 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV017911.D

Acq: 11 Aug 2020 16:01

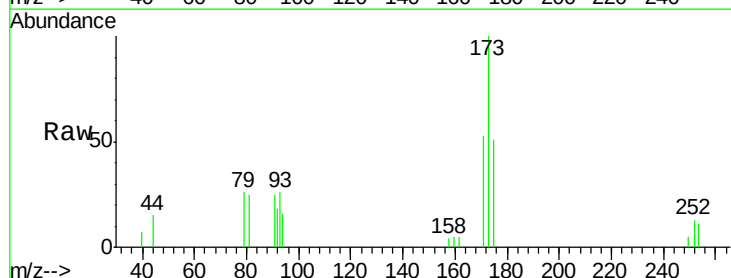
Tgt Ion: 173 Resp: 4880

Ion Ratio Lower Upper

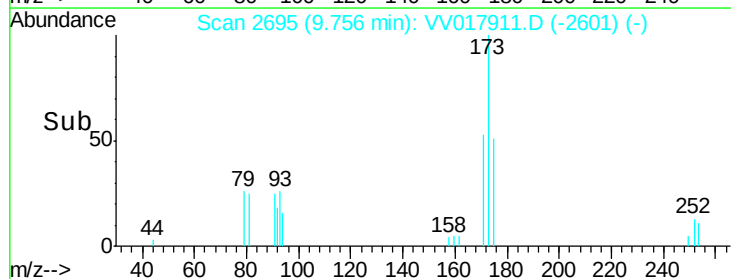
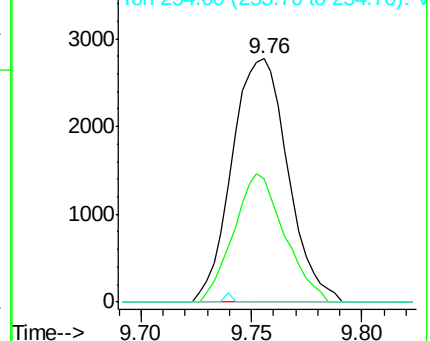
173 100

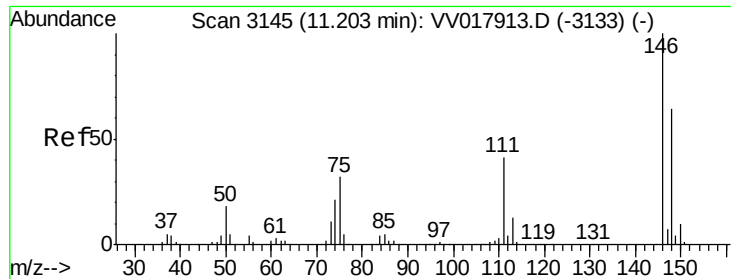
175 47.9 38.6 57.8

254 0.0 8.4 12.6#



Abundance Ion 173.00 (172.70 to 173.70): VV017913.D (-2682) (-)

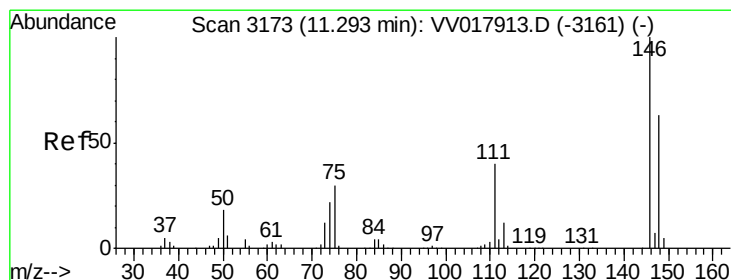
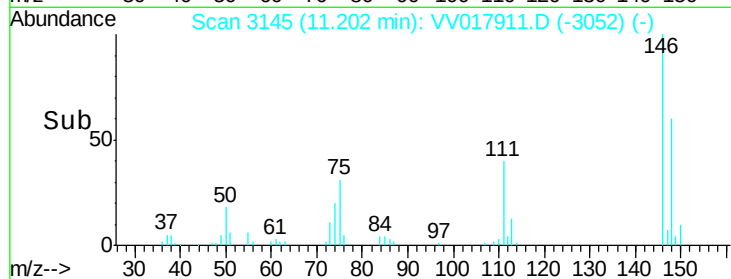
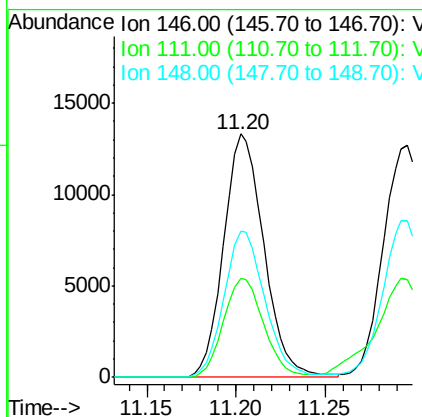
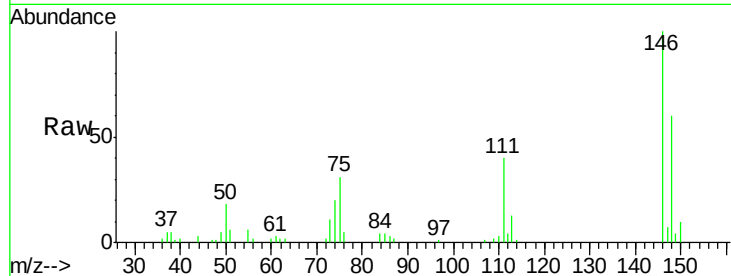




#62
 1,3-Dichlorobenzene
 Concen: 5.529 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV017911.D
 Acq: 11 Aug 2020 16:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tgt Ion:146 Resp: 20906
 Ion Ratio Lower Upper
 146 100
 111 40.4 28.8 53.4
 148 60.3 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 5.669 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV017911.D
 Acq: 11 Aug 2020 16:01

Tgt Ion:146 Resp: 21838
 Ion Ratio Lower Upper
 146 100
 111 42.3 28.0 52.0
 148 67.3 44.2 82.2

