

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081120\
 Data File : VV017913.D
 Acq On : 11 Aug 2020 16:59
 Operator : SY/MD
 Sample : VSTD05065
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

Quant Time: Aug 11 19:48:16 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	274417	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	261349	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	134856	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	104100	67.00	ug/L	0.00
7) Chloroethane-d5	1.58	69	85087	64.89	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	198547	56.21	ug/L	0.00
21) 2-Butanone-d5	3.92	46	144496	144.28	ug/L	0.00
24) Chloroform-d	4.37	84	191440	51.06	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	125397	47.16	ug/L	0.00
32) Benzene-d6	5.07	84	373755	59.15	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	122505	71.37	ug/L	0.00
41) Toluene-d8	7.34	98	337421	54.57	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	57055	56.75	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	84314	138.84	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	158830	62.43	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	131335	48.11	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	102835	47.735	ug/L 100
3) Chloromethane	1.25	50	121439	75.991	ug/L 100
5) Vinyl chloride	1.32	62	121401	68.364	ug/L 100
6) Bromomethane	1.53	94	71643	61.285	ug/L 100
8) Chloroethane	1.59	64	76855	68.552	ug/L 100
9) Trichlorofluoromethane	1.76	101	172057	44.503	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	96036	53.626	ug/L 100
12) 1,1-Dichloroethene	2.13	96	91577	54.718	ug/L 100
13) Acetone	2.20	43	147268	118.299	ug/L 100
14) Carbon disulfide	2.31	76	253299	63.560	ug/L 100
15) Methyl Acetate	2.45	43	116455	78.147	ug/L 100
16) Methylene chloride	2.52	84	113426	62.315	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	94435	55.107	ug/L 100
18) Methyl tert-butyl Ether	2.78	73	318895	54.713	ug/L 100
19) 1,1-Dichloroethane	3.21	63	190374	64.709	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	105424	57.036	ug/L 100
22) 2-Butanone	4.00	43	174104	150.451	ug/L 100
23) Bromochloromethane	4.27	128	55293	51.464	ug/L 100
25) Chloroform	4.40	83	193685	54.035	ug/L 100
27) 1,2-Dichloroethane	5.15	62	157034	49.482	ug/L 100
29) Cyclohexane	4.70	56	162478	70.191	ug/L 100
30) 1,1,1-Trichloroethane	4.63	97	163613	45.629	ug/L 100
31) Carbon tetrachloride	4.85	117	135091	42.787	ug/L 100
33) Benzene	5.12	78	418351	63.266	ug/L 100
34) Trichloroethene	5.94	95	106956	55.727	ug/L 100
35) Methylcyclohexane	6.15	83	160860	58.359	ug/L 100
37) 1,2-Dichloropropane	6.20	63	113554	73.737	ug/L 100
38) Bromodichloromethane	6.53	83	141633	56.229	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	166399	66.501	ug/L 100
40) 4-Methyl-2-pentanone	7.25	43	310769	153.152	ug/L 100

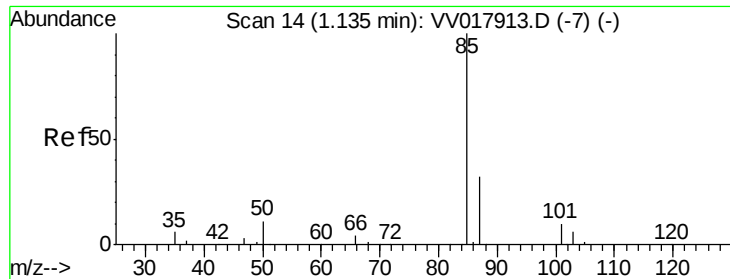
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081120\
 Data File : VV017913.D
 Acq On : 11 Aug 2020 16:59
 Operator : SY/MD
 Sample : VSTD05065
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

Quant Time: Aug 11 19:48:16 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)
42) Toluene	7.41	91	438213	58.353	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	159775	62.548	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	104404	58.373	ug/L	100
46) Tetrachloroethene	8.00	164	79320	46.205	ug/L	100
48) 2-Hexanone	8.16	43	253711	149.776	ug/L	100
49) Dibromochloromethane	8.27	129	103198	53.802	ug/L	100
50) 1,2-Dibromoethane	8.37	107	107750	55.677	ug/L	100
51) Chlorobenzene	8.90	112	272870	53.550	ug/L	100
52) Ethylbenzene	9.03	91	478334	56.367	ug/L	100
53) m,p-Xylene	9.16	106	177850	54.286	ug/L	100
54) o-xylene	9.56	106	173253	53.851	ug/L	100
55) Styrene	9.58	104	305753	55.101	ug/L	100
56) Isopropylbenzene	9.95	105	459866	52.250	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	163796	65.600	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	140208	62.729	ug/L	100
61) Bromoform	9.75	173	66684	55.584	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	214531	51.777	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	218591	51.784	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	220763	51.861	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	35475	61.030	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	163107	49.150	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	149223	51.279	ug/L	100
69) Naphthalene	13.52	128	444564	57.835	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	153963	52.045	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 47.735 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

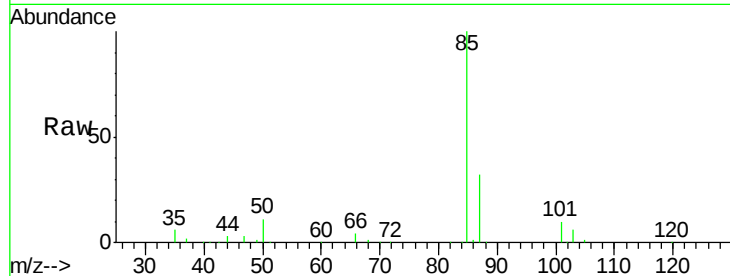
VSTD05065

Tgt Ion: 85 Resp: 102835

Ion Ratio Lower Upper

85 100

87 32.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV017913.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV017913.D (-7) (-)

1.14

120000

100000

80000

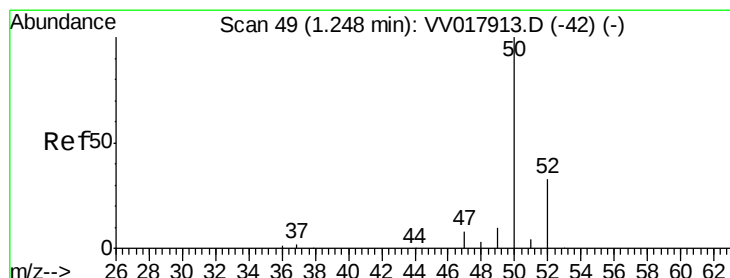
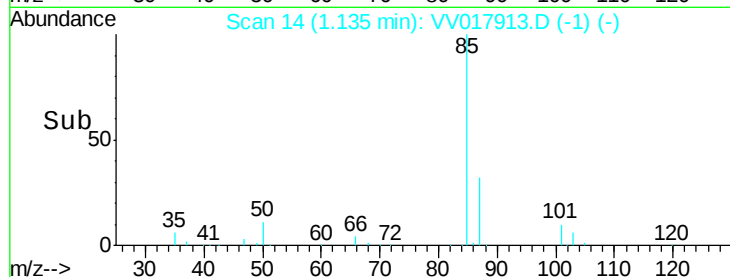
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 75.991 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017913.D

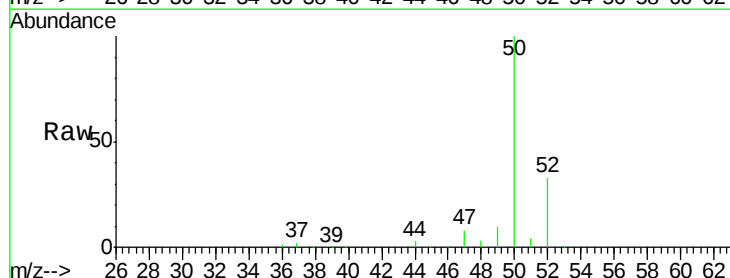
Acq: 11 Aug 2020 16:59

Tgt Ion: 50 Resp: 121439

Ion Ratio Lower Upper

50 100

52 33.2 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV017913.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV017913.D (-42) (-)

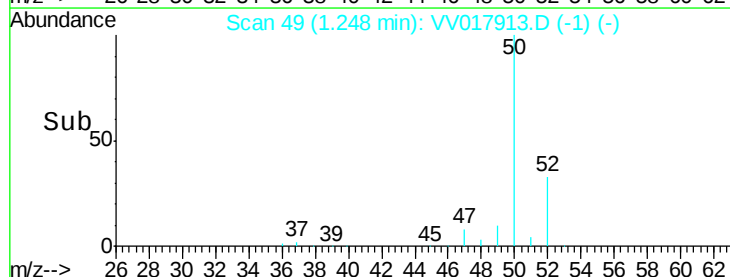
1.25

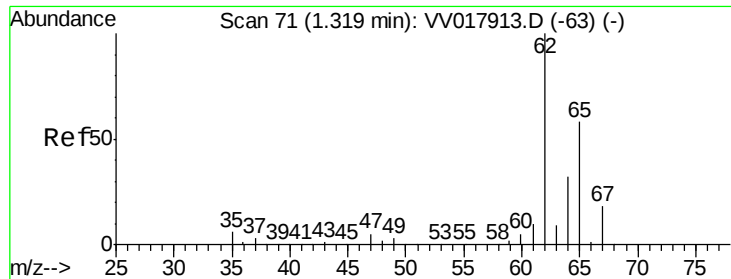
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 68.364 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

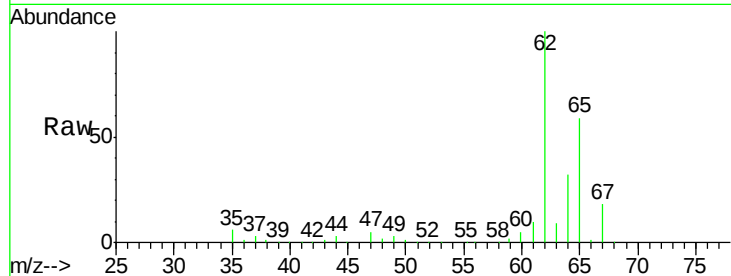
VSTD05065

Tgt Ion: 62 Resp: 121401

Ion Ratio Lower Upper

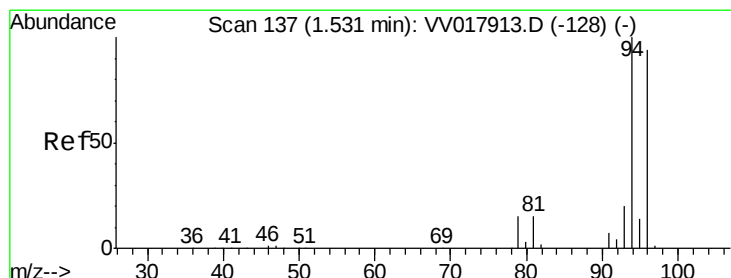
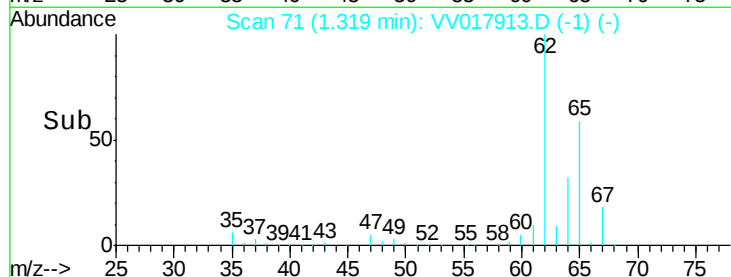
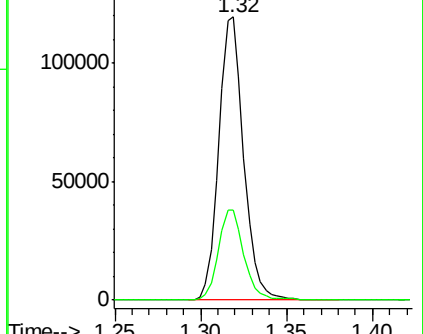
62 100

64 32.0 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: 61.285 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017913.D

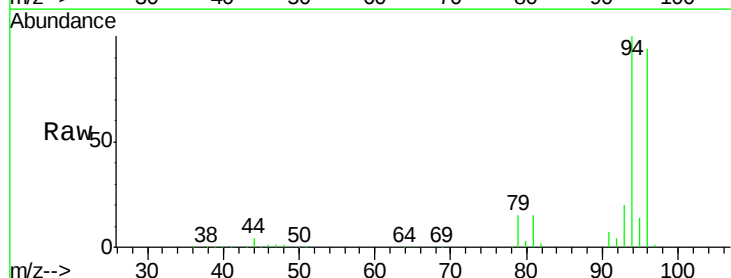
Acq: 11 Aug 2020 16:59

Tgt Ion: 94 Resp: 71643

Ion Ratio Lower Upper

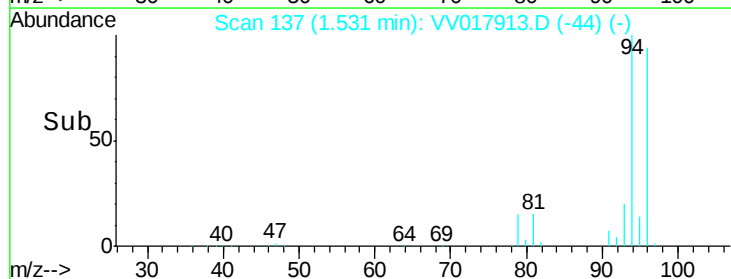
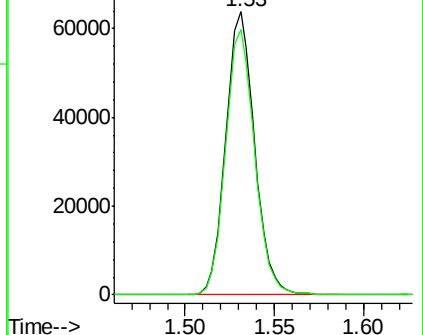
94 100

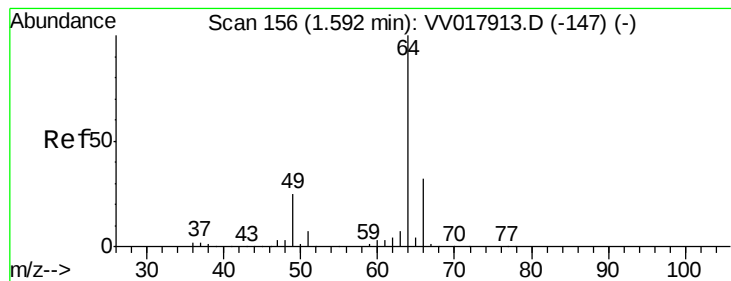
96 93.6 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 68.552 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

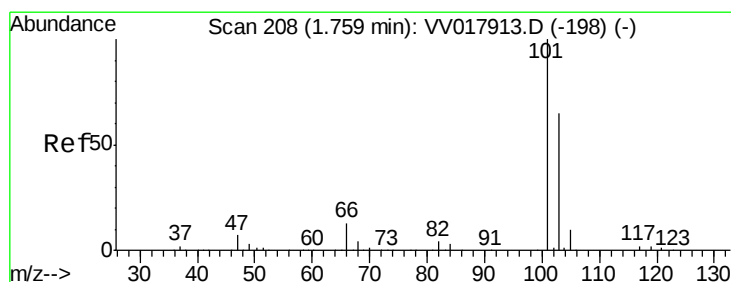
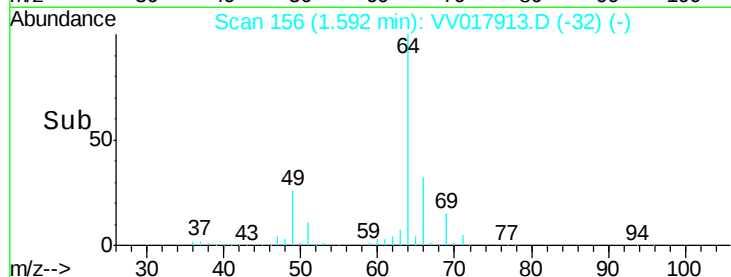
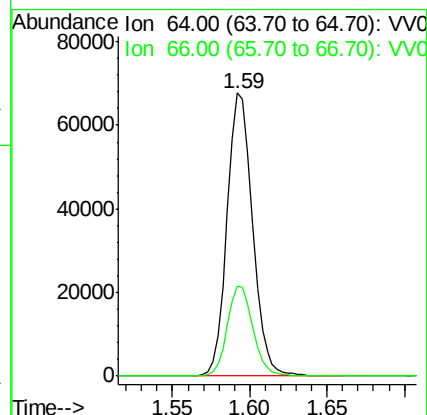
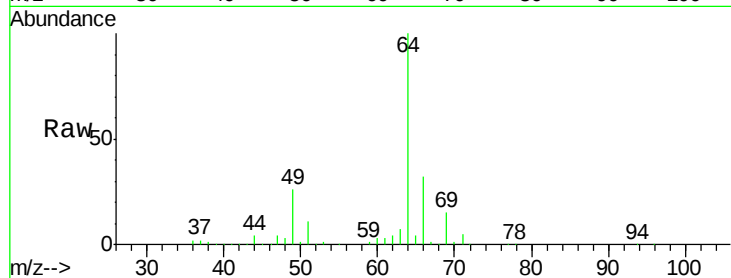
VSTD05065

Tgt Ion: 64 Resp: 76855

Ion Ratio Lower Upper

64 100

66 31.8 22.3 41.3



#9

Trichlorofluoromethane

Concen: 44.503 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV017913.D

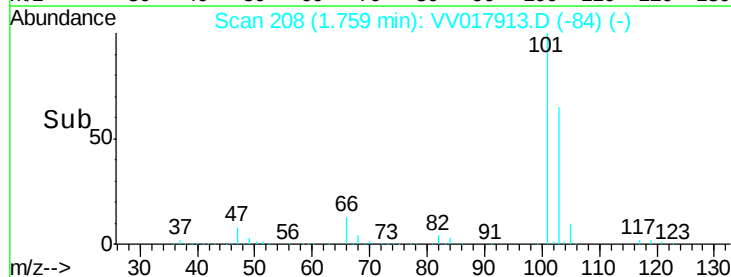
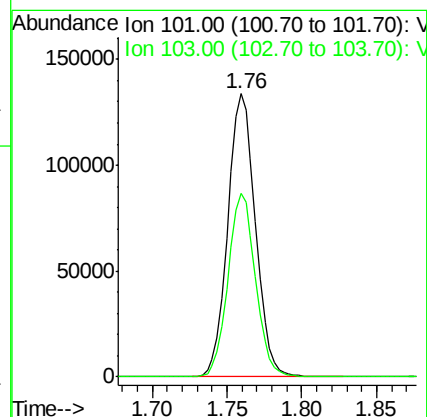
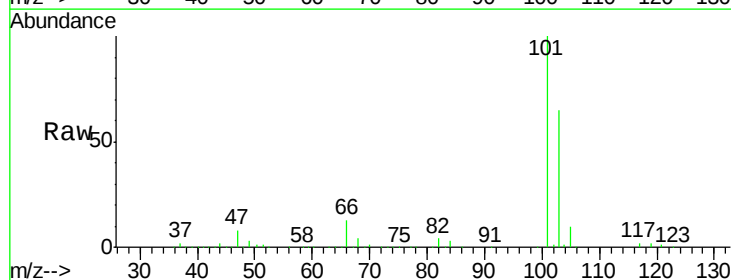
Acq: 11 Aug 2020 16:59

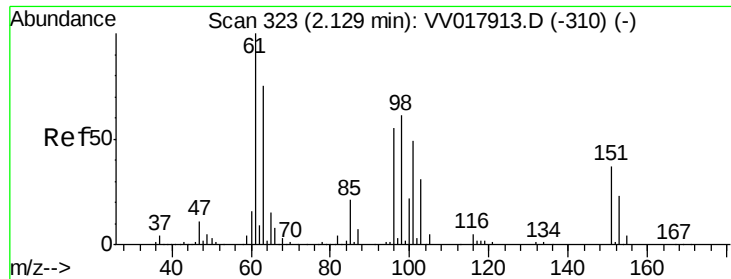
Tgt Ion: 101 Resp: 172057

Ion Ratio Lower Upper

101 100

103 64.4 51.5 77.3





#10

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

Concen: 53.626 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

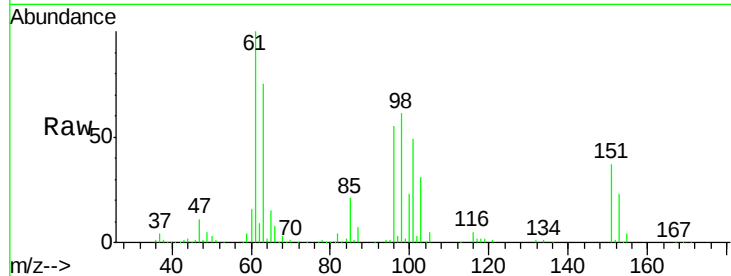
Tgt Ion: 101 Resp: 96036

Ion Ratio Lower Upper

101 100

85 43.6 34.9 52.3

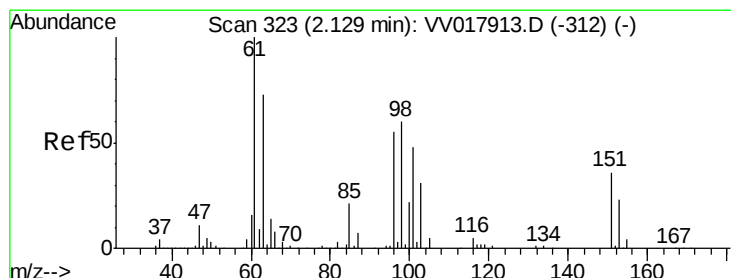
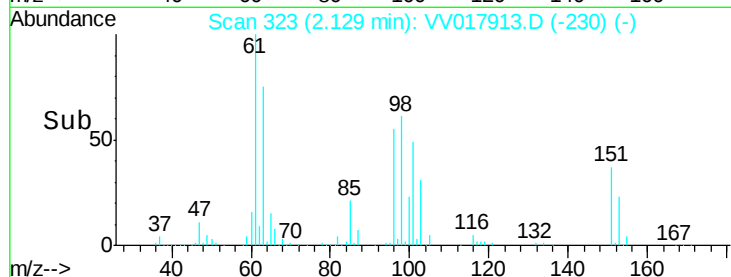
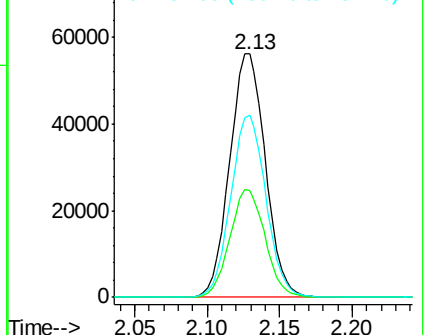
151 73.9 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 54.718 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

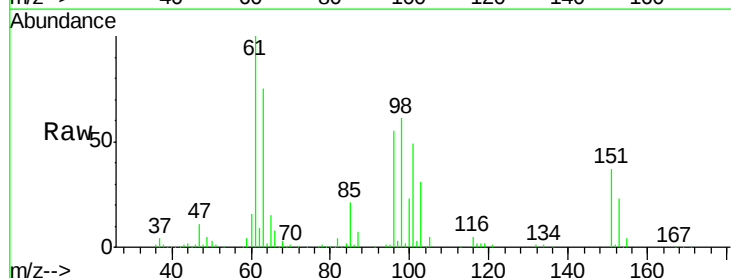
Tgt Ion: 96 Resp: 91577

Ion Ratio Lower Upper

96 100

61 181.5 127.1 236.0

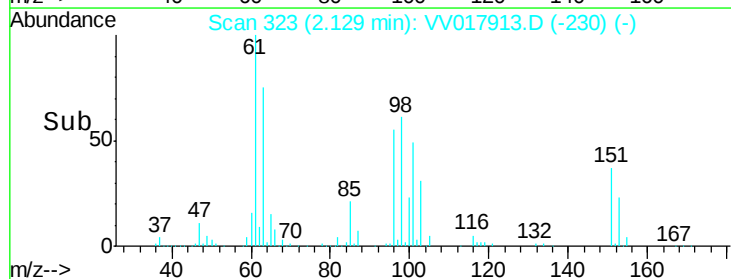
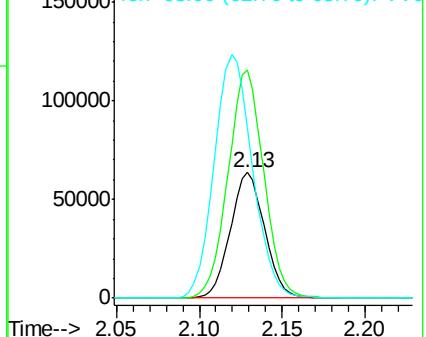
63 136.0 95.2 176.8

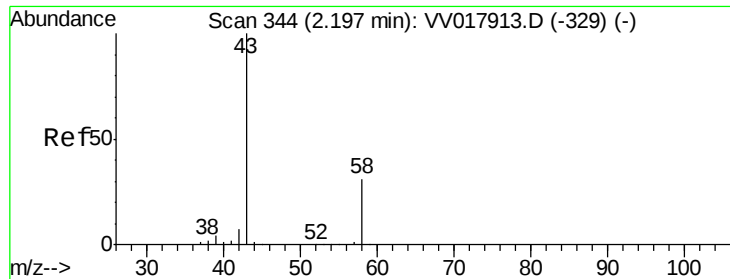


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 118.299 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

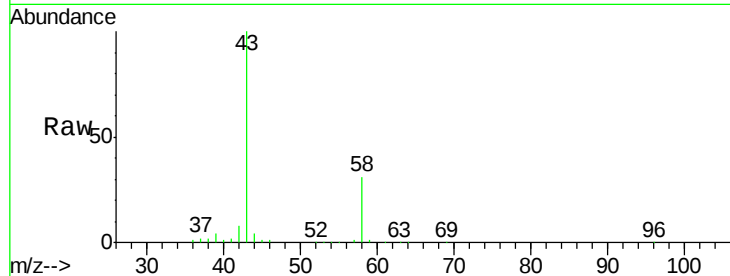
VSTD05065

Tgt Ion: 43 Resp: 147268

Ion Ratio Lower Upper

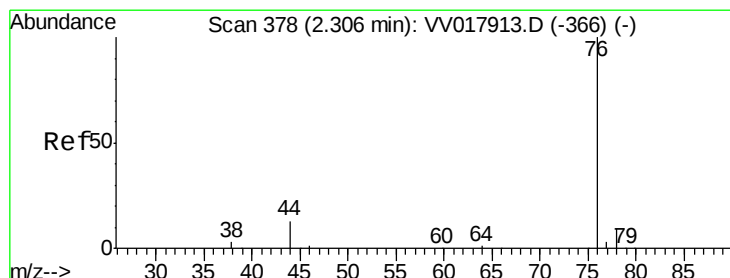
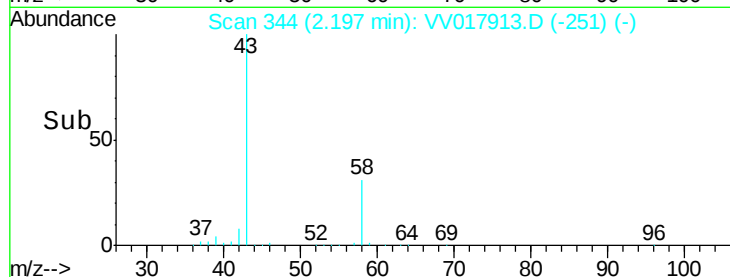
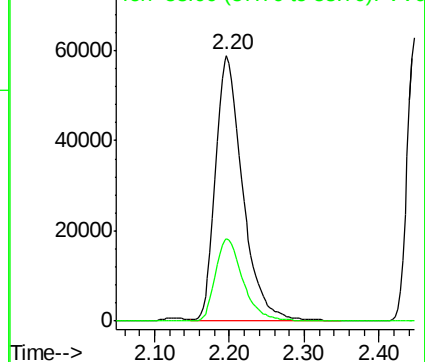
43 100

58 31.8 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV017913.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV017913.D (-329) (-)



#14

Carbon disulfide

Concen: 63.560 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV017913.D

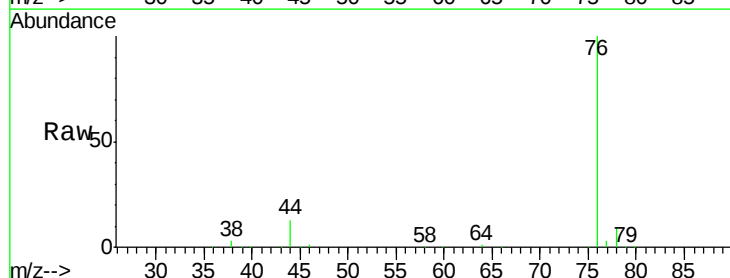
Acq: 11 Aug 2020 16:59

Tgt Ion: 76 Resp: 253299

Ion Ratio Lower Upper

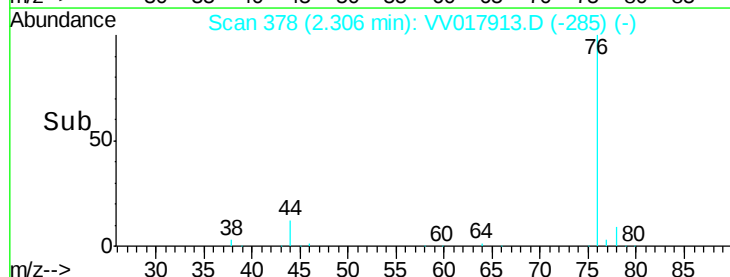
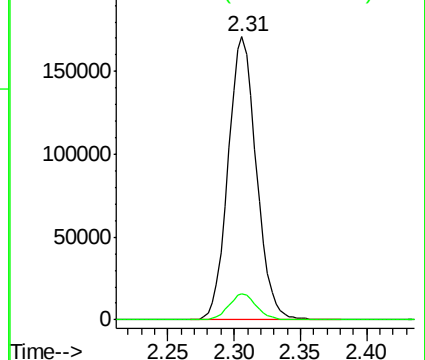
76 100

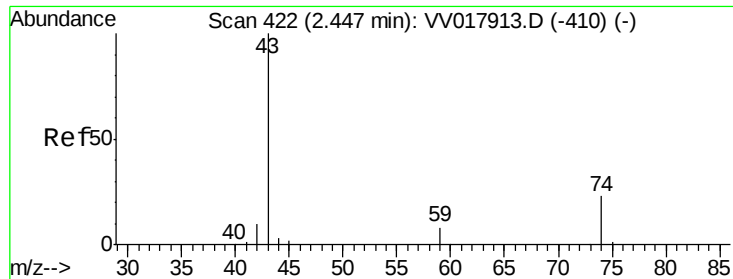
78 9.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV017913.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV017913.D (-366) (-)

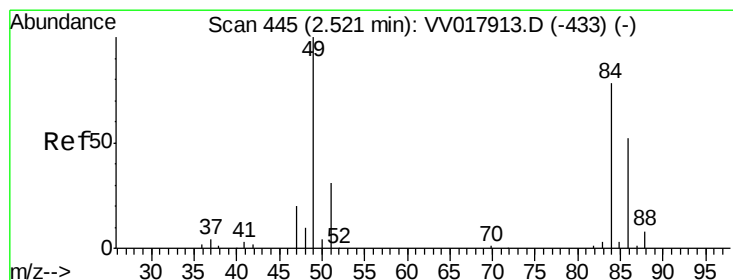
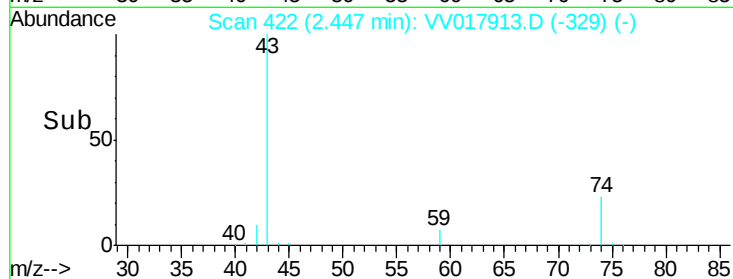
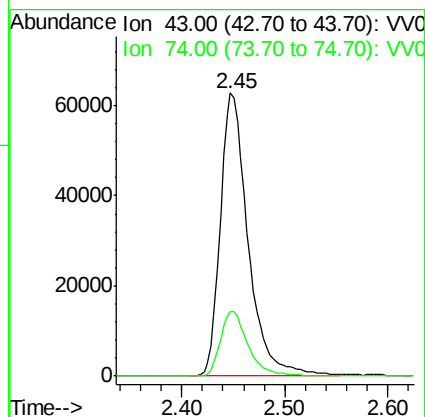
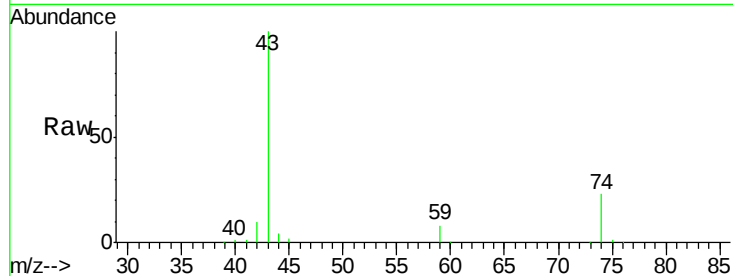




#15
Methyl Acetate
Concen: 78.147 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV017913.D
Acq: 11 Aug 2020 16:59

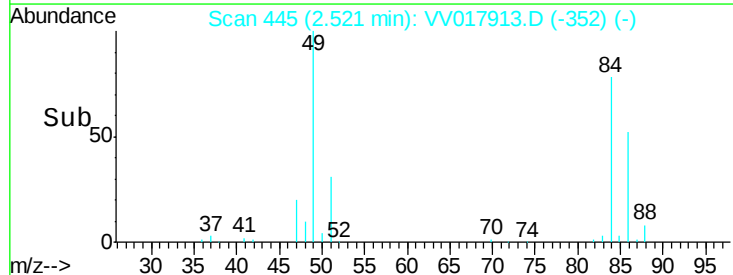
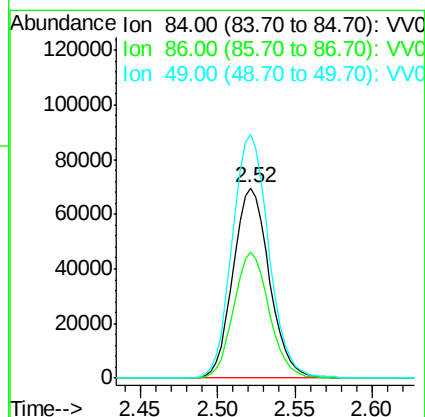
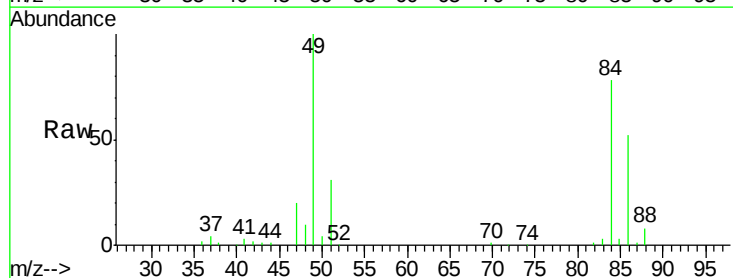
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

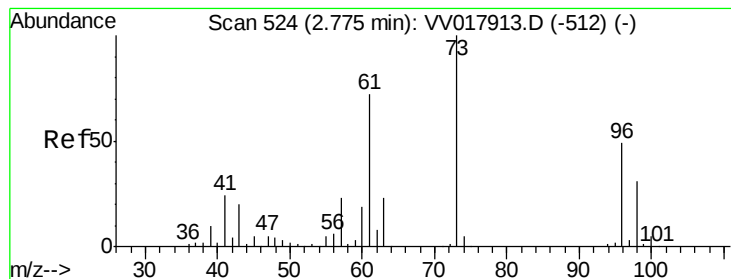
Tgt Ion: 43 Resp: 116455
Ion Ratio Lower Upper
43 100
74 23.0 18.4 27.6



#16
Methylene chloride
Concen: 62.315 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV017913.D
Acq: 11 Aug 2020 16:59

Tgt Ion: 84 Resp: 113426
Ion Ratio Lower Upper
84 100
86 66.1 46.3 85.9
49 128.1 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 55.107 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

Instrument :

MSVOA_V

ClientSampled :

VSTD05065

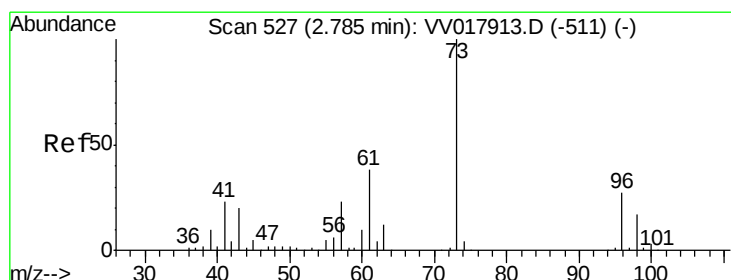
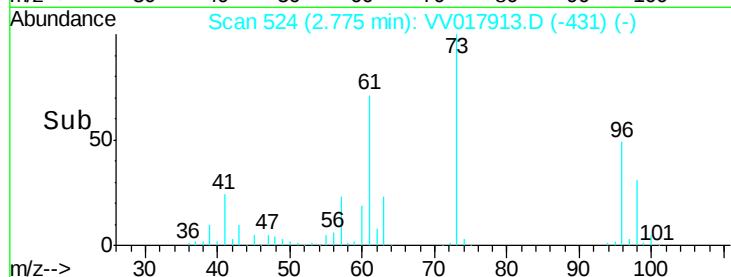
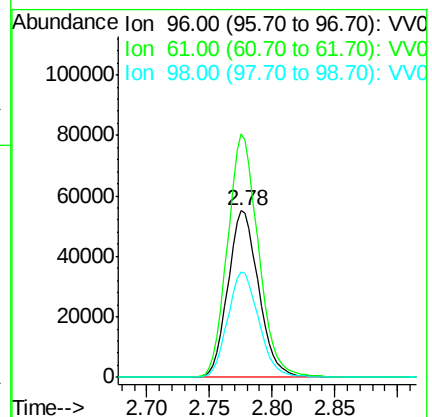
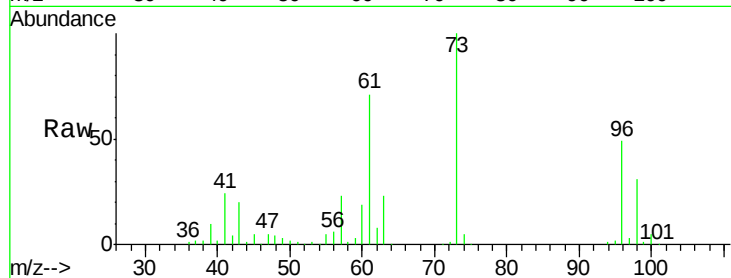
Tgt Ion: 96 Resp: 94435

Ion Ratio Lower Upper

96 100

61 146.3 102.4 190.2

98 63.5 44.4 82.5



#18

Methyl tert-butyl Ether

Concen: 54.713 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

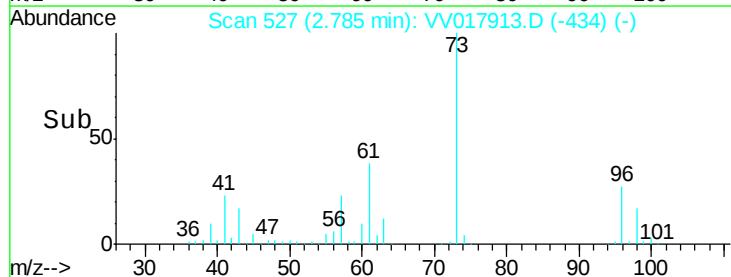
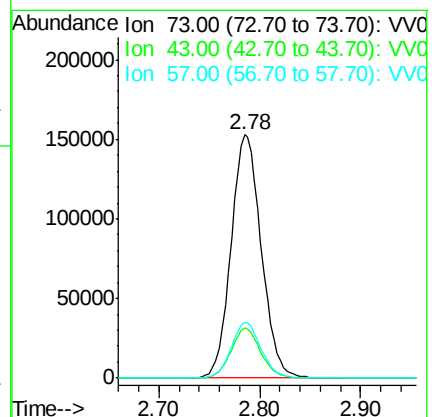
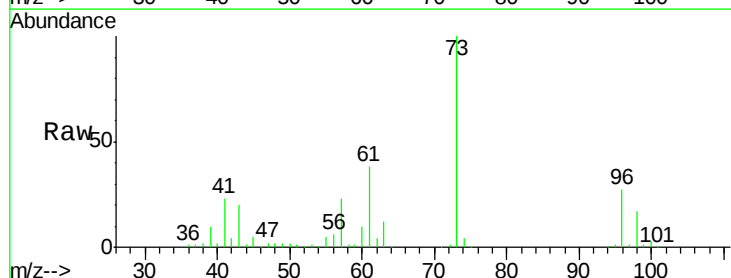
Tgt Ion: 73 Resp: 318895

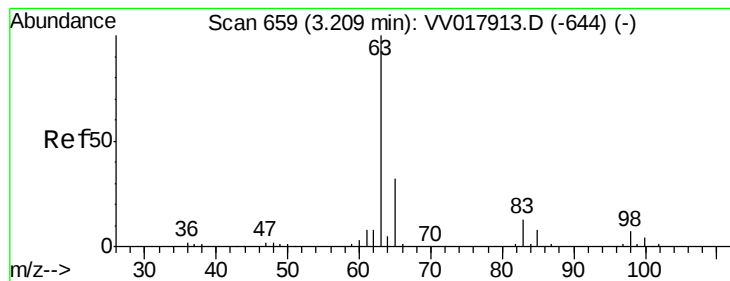
Ion Ratio Lower Upper

73 100

43 19.9 15.9 23.9

57 22.6 18.1 27.1





#19

1,1-Dichloroethane

Concen: 64.709 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

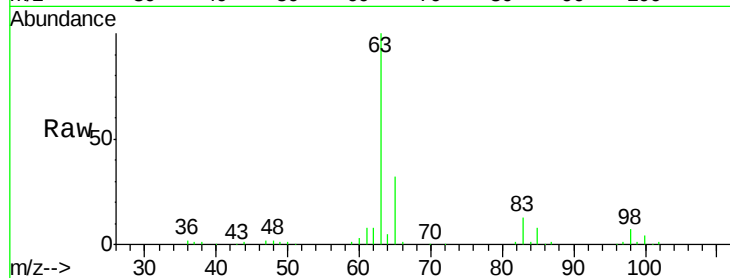
Tgt Ion: 63 Resp: 190374

Ion Ratio Lower Upper

63 100

65 32.1 22.5 41.7

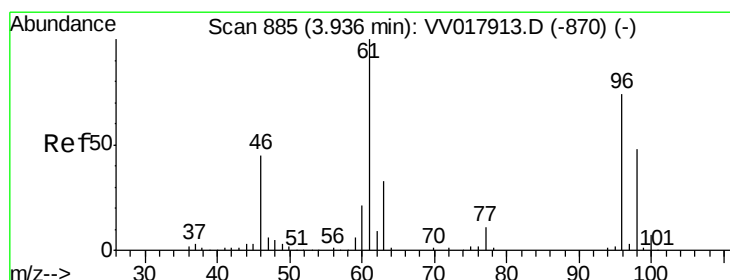
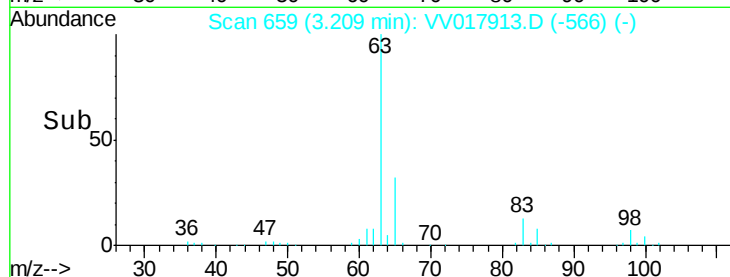
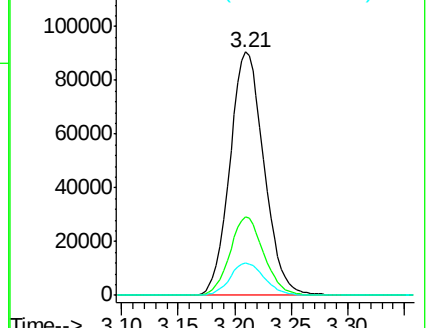
83 13.2 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV017913.D (-644) (-)

Ion 65.00 (64.70 to 65.70): VV017913.D (-644) (-)

Ion 83.00 (82.70 to 83.70): VV017913.D (-644) (-)



#20

cis-1,2-Dichloroethene

Concen: 57.036 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

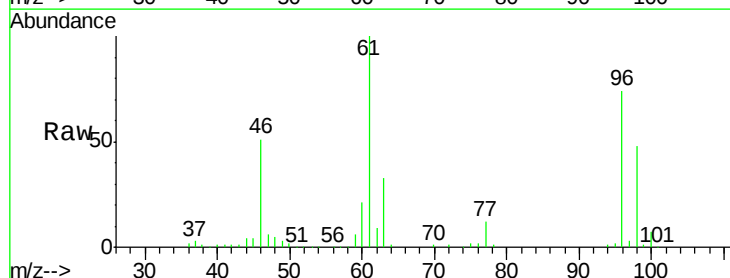
Tgt Ion: 96 Resp: 105424

Ion Ratio Lower Upper

96 100

61 135.7 95.0 176.4

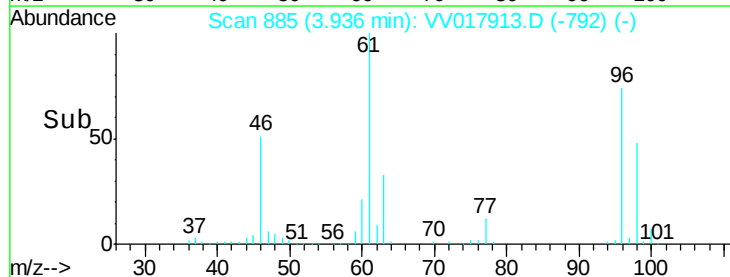
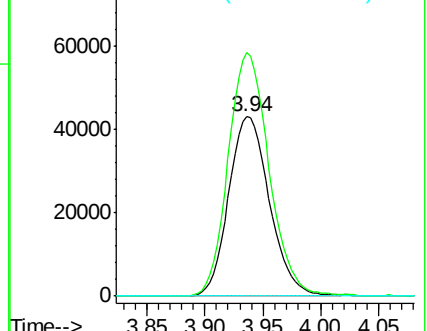
68 0.0 0.0 0.0

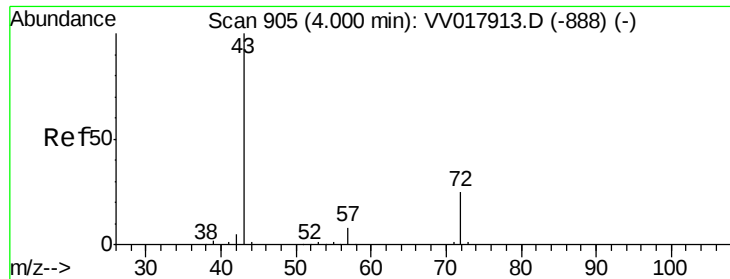


Abundance Ion 96.00 (95.70 to 96.70): VV017913.D (-870) (-)

Ion 61.00 (60.70 to 61.70): VV017913.D (-870) (-)

Ion 68.00 (67.70 to 68.70): VV017913.D (-870) (-)





#22

2-Butanone

Concen: 150.451 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

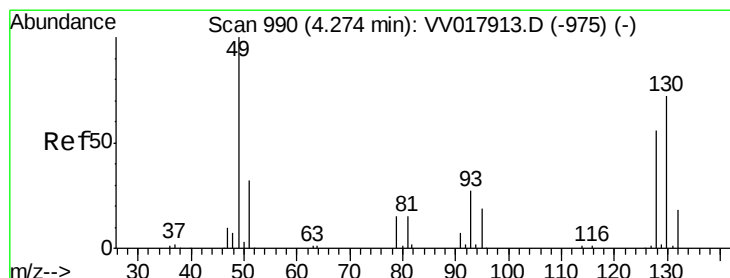
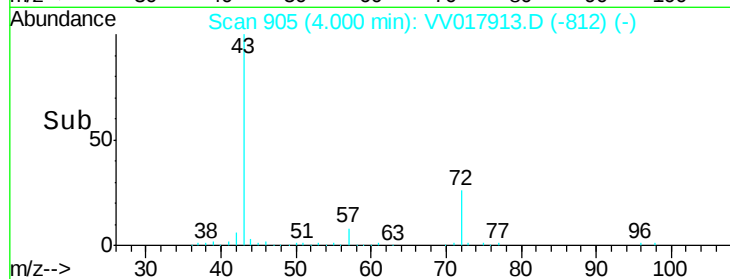
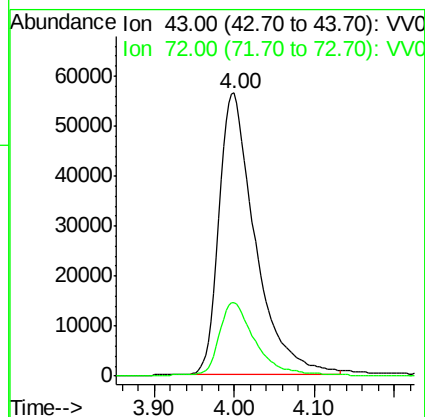
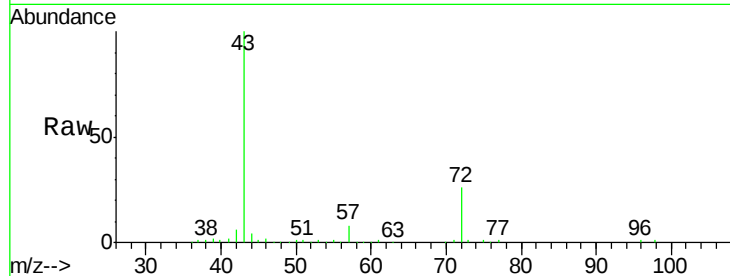
VSTD05065

Tgt Ion: 43 Resp: 174104

Ion Ratio Lower Upper

43 100

72 25.3 12.7 38.0



#23

Bromochloromethane

Concen: 51.464 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

Tgt Ion: 128 Resp: 55293

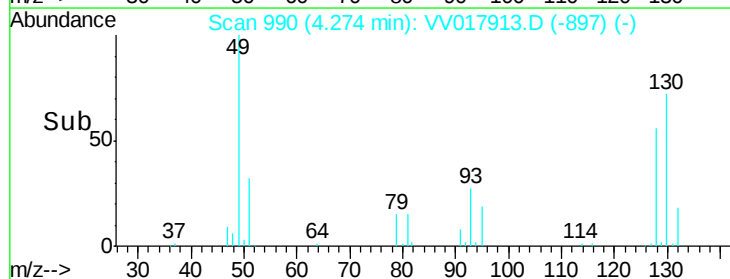
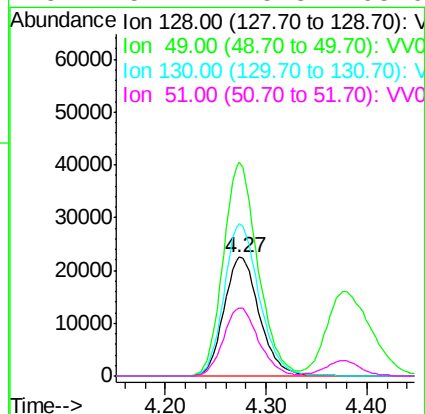
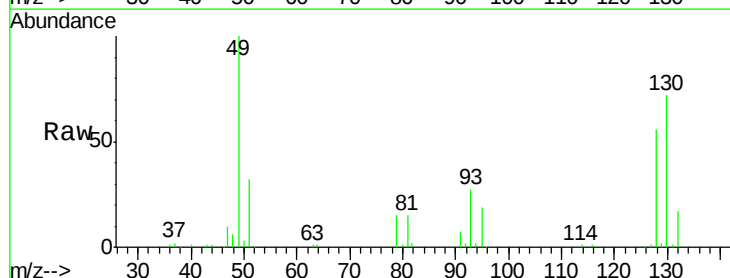
Ion Ratio Lower Upper

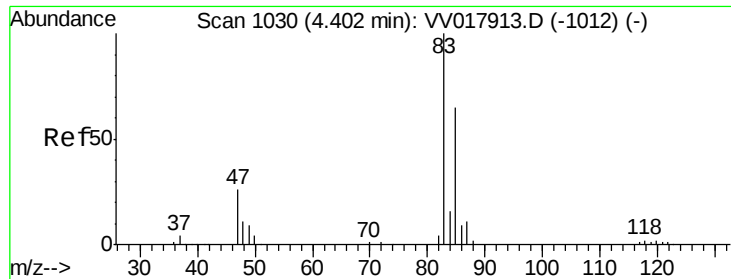
128 100

49 179.5 125.6 233.3

130 128.5 89.9 167.0

51 57.2 45.8 68.6

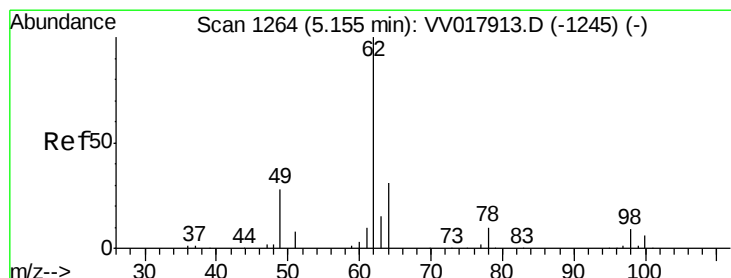
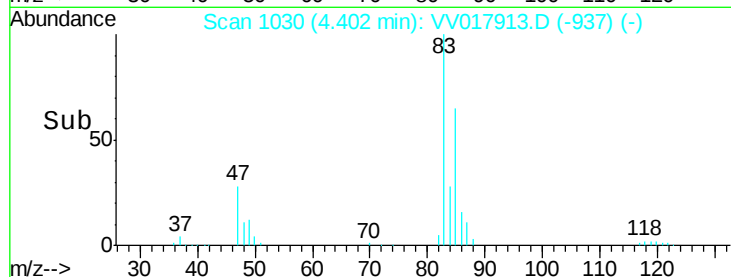
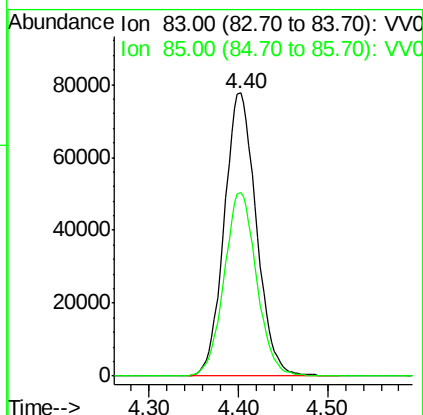
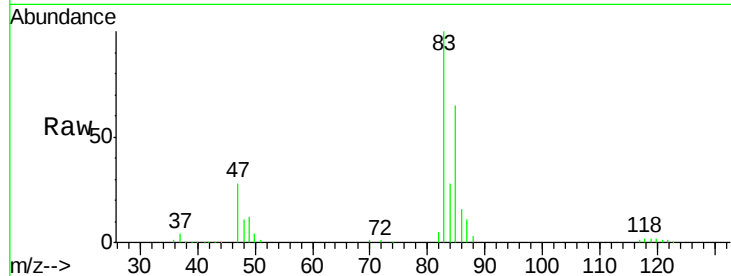




#25
Chloroform
Concen: 54.035 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017913.D
Acq: 11 Aug 2020 16:59

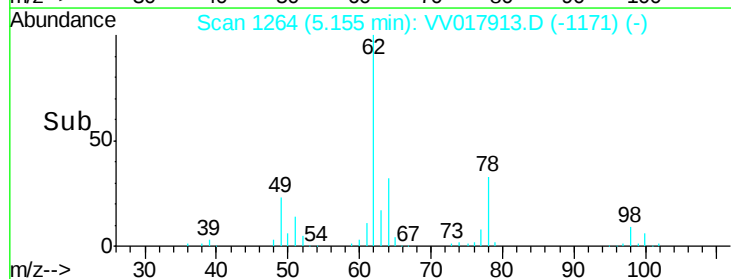
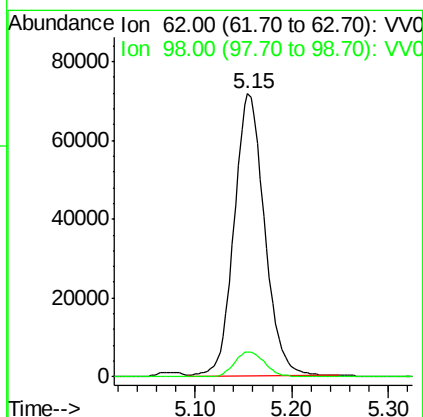
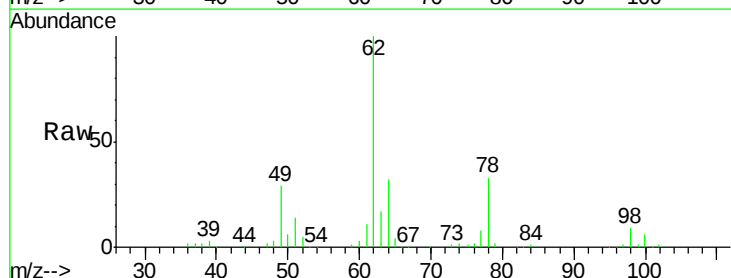
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

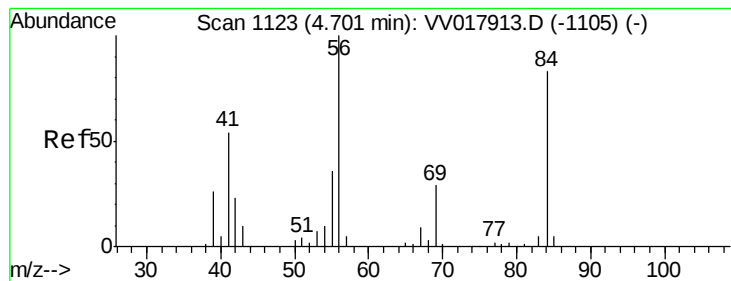
Tgt Ion: 83 Resp: 193685
Ion Ratio Lower Upper
83 100
85 65.0 45.5 84.5



#27
1,2-Dichloroethane
Concen: 49.482 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017913.D
Acq: 11 Aug 2020 16:59

Tgt Ion: 62 Resp: 157034
Ion Ratio Lower Upper
62 100
98 8.9 7.1 10.7





#29

Cyclohexane

Concen: 70.191 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

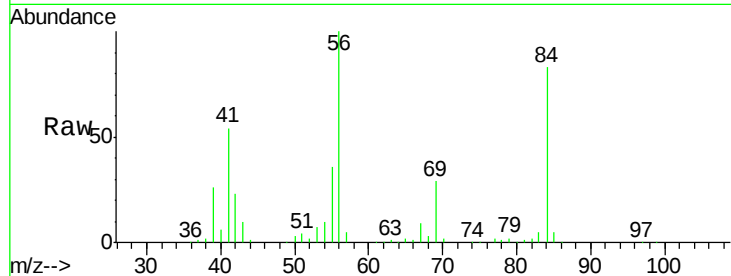
Tgt Ion: 56 Resp: 162478

Ion Ratio Lower Upper

56 100

69 29.8 23.8 35.8

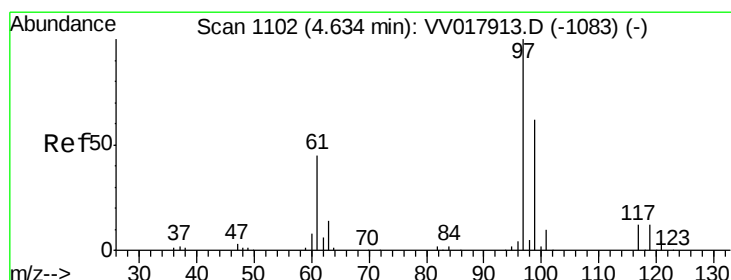
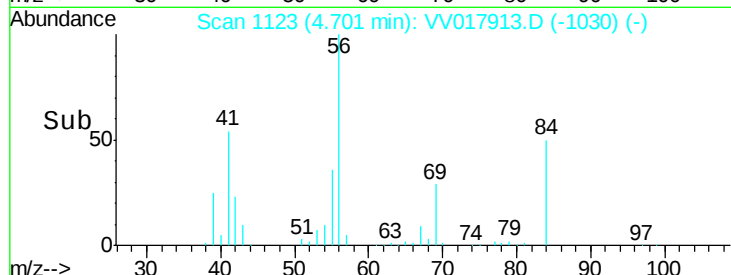
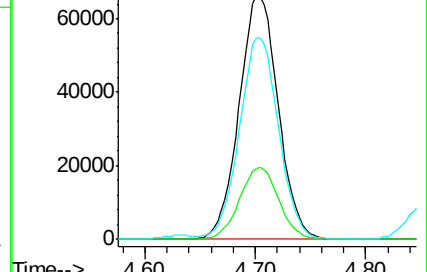
84 83.5 66.8 100.2



Abundance Ion 56.00 (55.70 to 56.70): VV017913.D (-1105) (-)

Ion 69.00 (68.70 to 69.70): VV017913.D (-1105) (-)

Ion 84.00 (83.70 to 84.70): VV017913.D (-1105) (-)



#30

1,1,1-Trichloroethane

Concen: 45.629 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

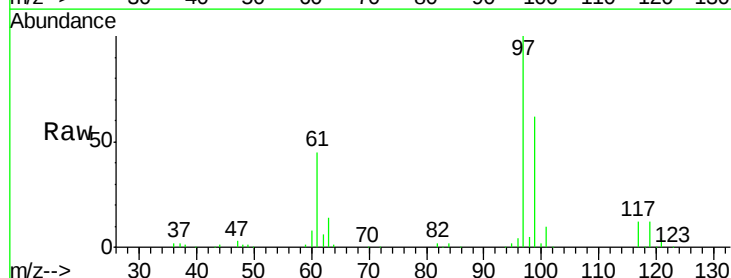
Tgt Ion: 97 Resp: 163613

Ion Ratio Lower Upper

97 100

99 63.3 50.6 76.0

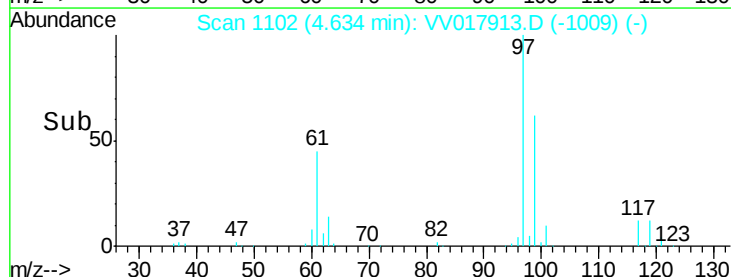
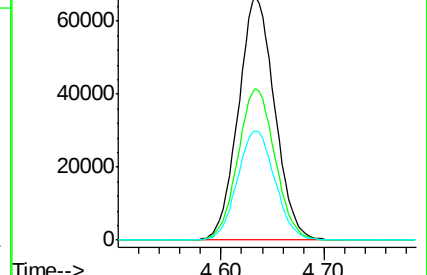
61 46.3 37.0 55.6

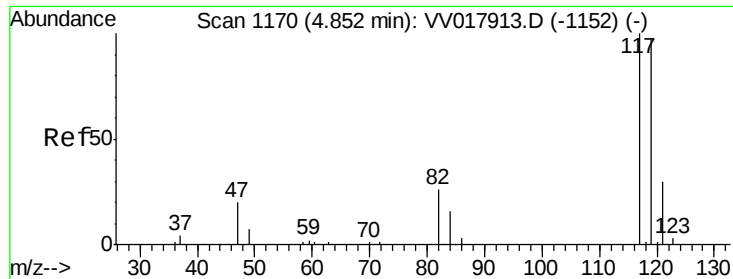


Abundance Ion 97.00 (96.70 to 97.70): VV017913.D (-1083) (-)

Ion 99.00 (98.70 to 99.70): VV017913.D (-1083) (-)

Ion 61.05 (60.75 to 61.75): VV017913.D (-1083) (-)





#31

Carbon tetrachloride

Concen: 42.787 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

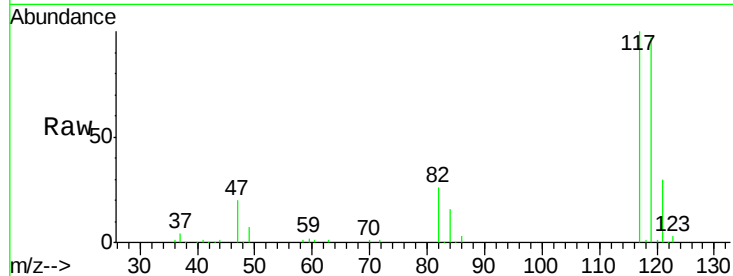
VSTD05065

Tgt Ion:117 Resp: 135091

Ion Ratio Lower Upper

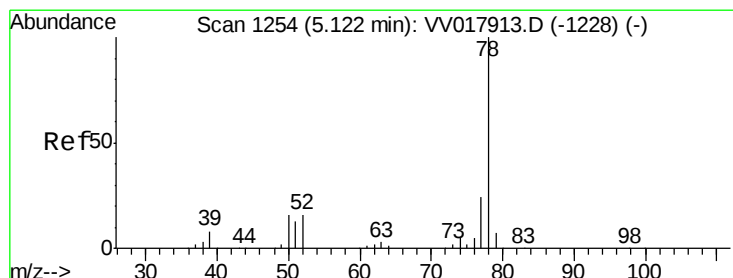
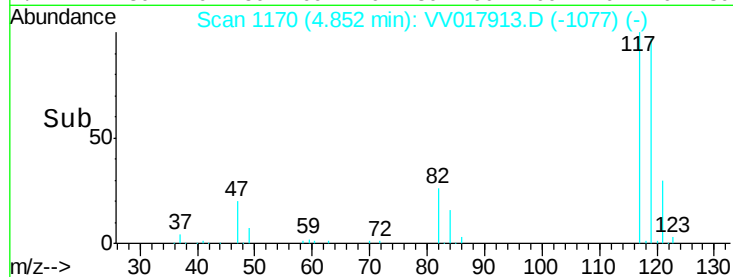
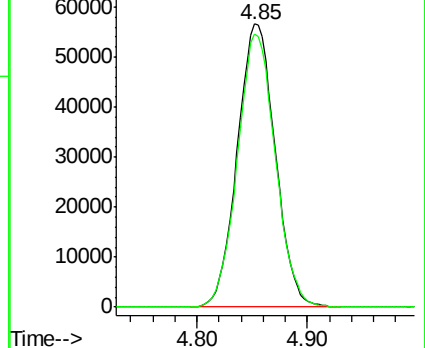
117 100

119 96.3 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: 63.266 ug/L

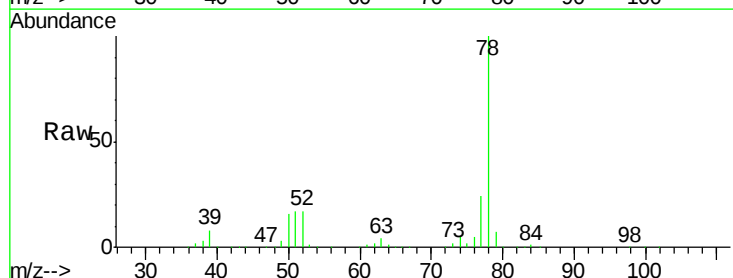
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

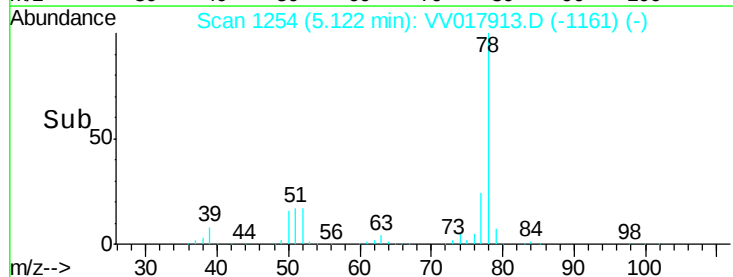
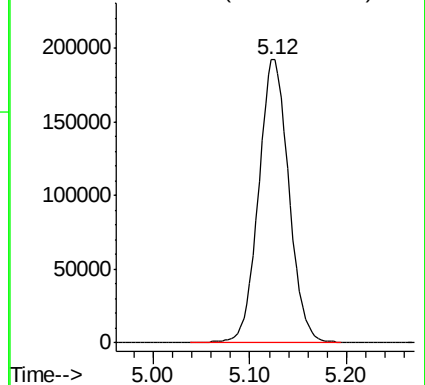
Lab File: VV017913.D

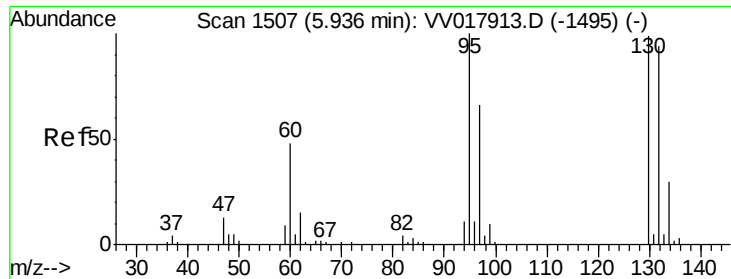
Acq: 11 Aug 2020 16:59

Tgt Ion: 78 Resp: 418351



Abundance Ion 78.00 (77.70 to 78.70): VV0

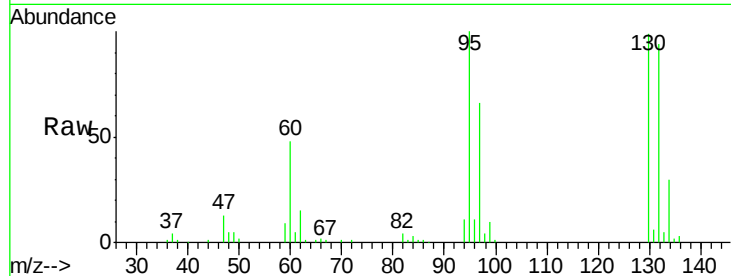




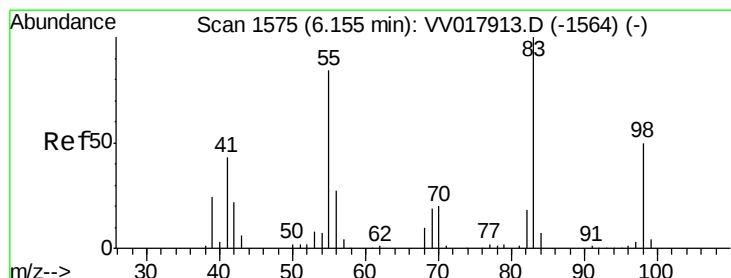
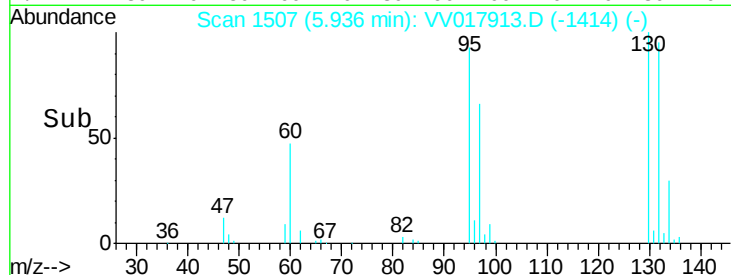
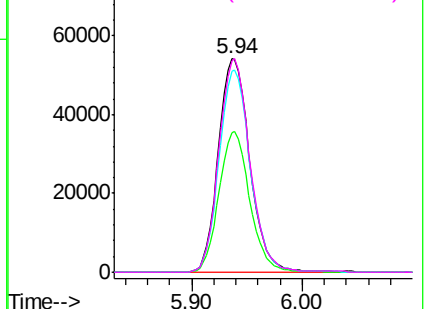
#34
 Trichloroethene
 Concen: 55.727 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV017913.D
 Acq: 11 Aug 2020 16:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

Tgt Ion:	95	Resp:	106956
Ion	Ratio	Lower	Upper
95	100		
97	65.7	46.0	85.4
132	94.0	65.8	122.2
130	98.9	69.2	128.6

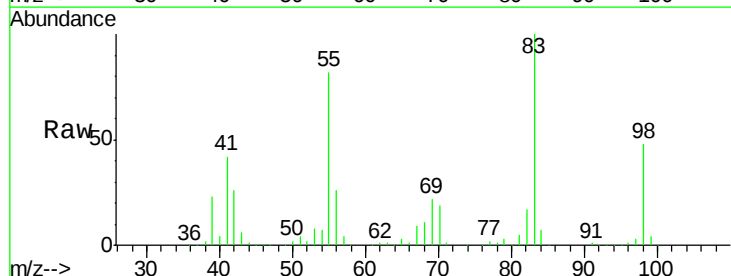


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

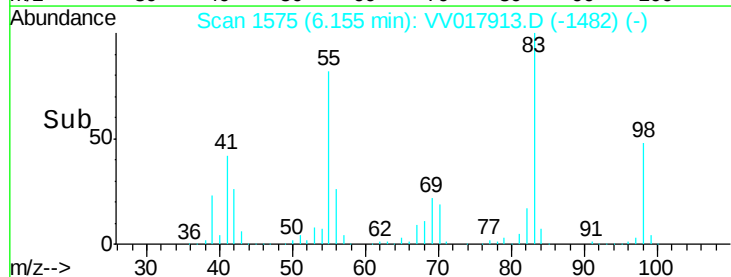
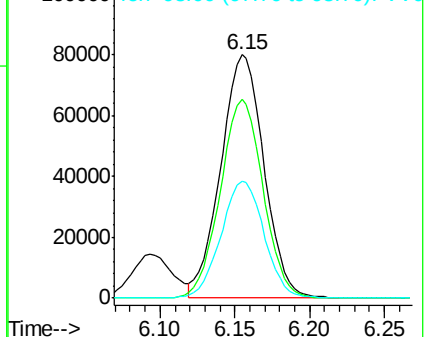


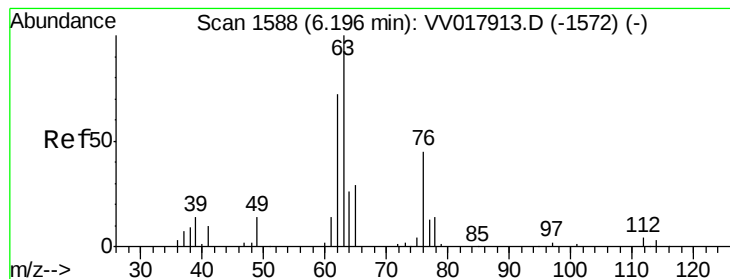
#35
 Methylcyclohexane
 Concen: 58.359 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV017913.D
 Acq: 11 Aug 2020 16:59

Tgt Ion:	83	Resp:	160860
Ion	Ratio	Lower	Upper
83	100		
55	81.1	64.9	97.3
98	48.4	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: 73.737 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

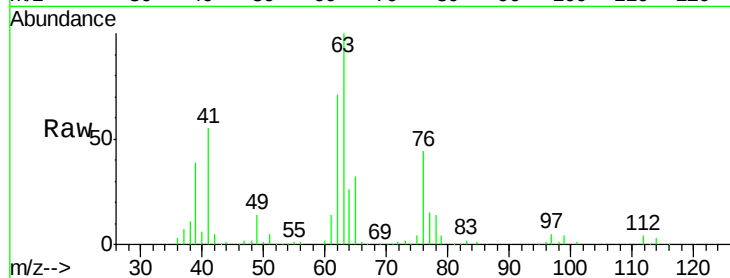
VSTD05065

Tgt Ion: 63 Resp: 113554

Ion Ratio Lower Upper

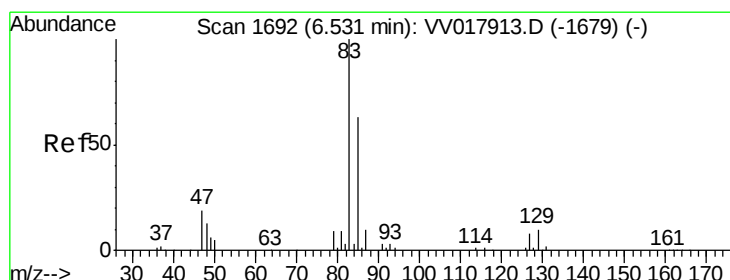
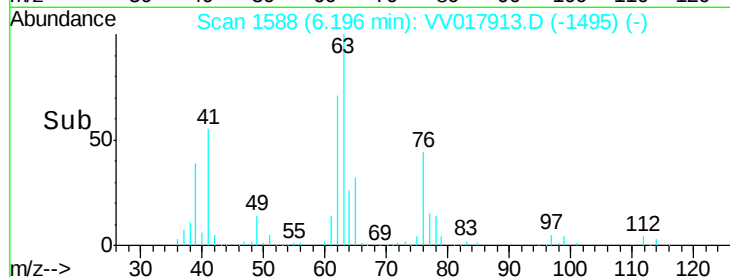
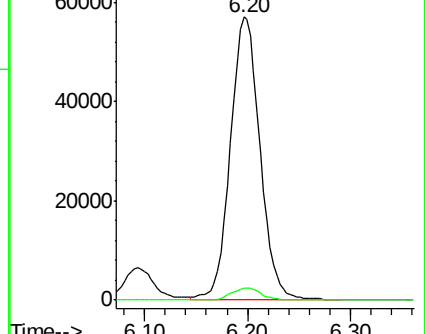
63 100

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: 56.229 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

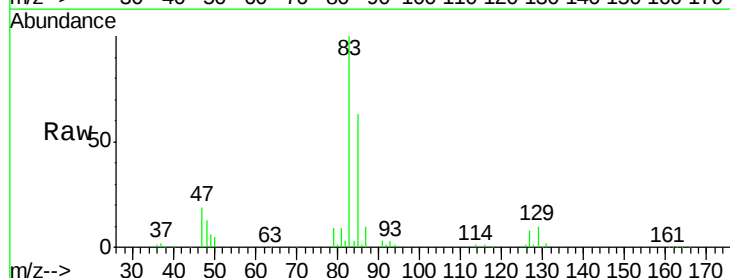
Tgt Ion: 83 Resp: 141633

Ion Ratio Lower Upper

83 100

85 63.3 44.3 82.3

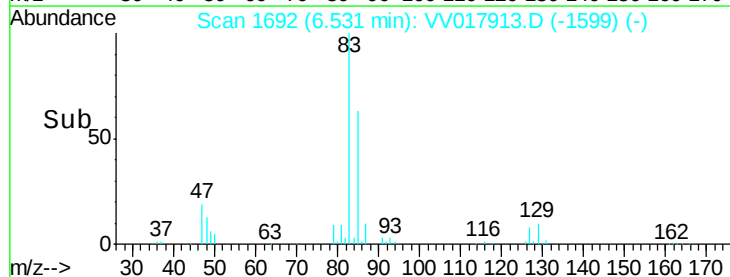
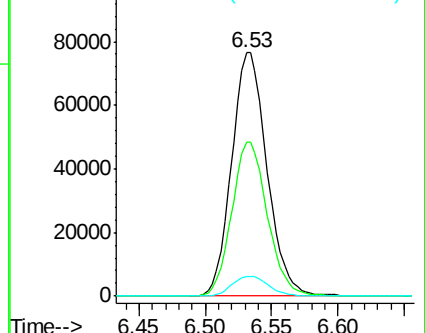
127 8.1 6.5 9.7

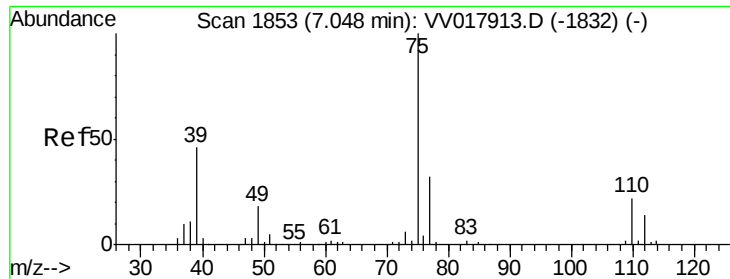


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): V

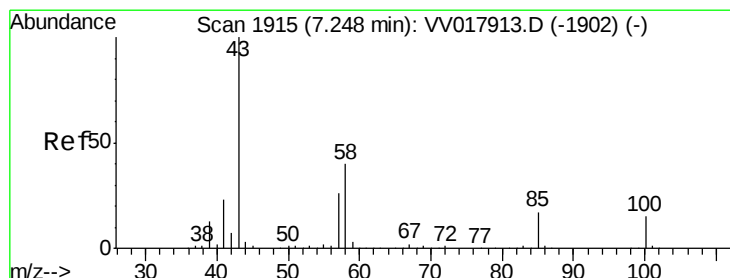
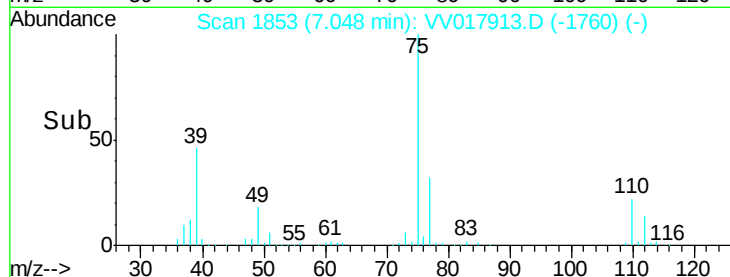
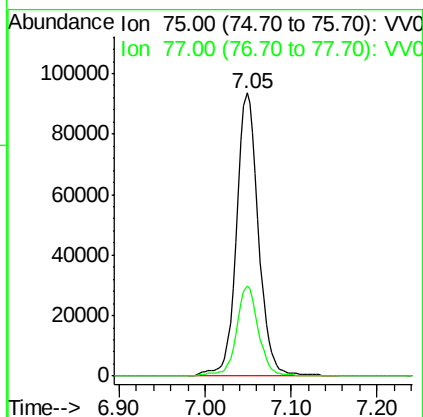
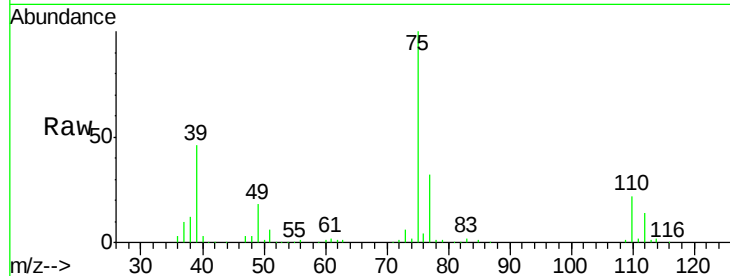




#39
 cis-1,3-Dichloropropene
 Concen: 66.501 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017913.D
 Acq: 11 Aug 2020 16:59

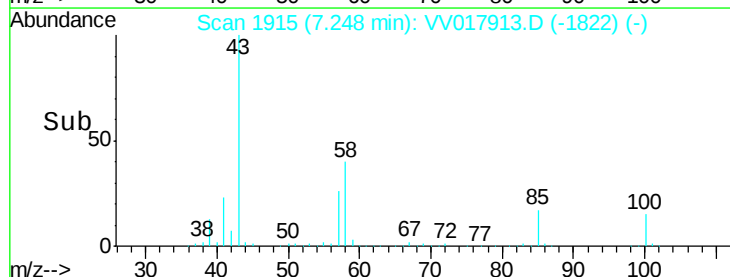
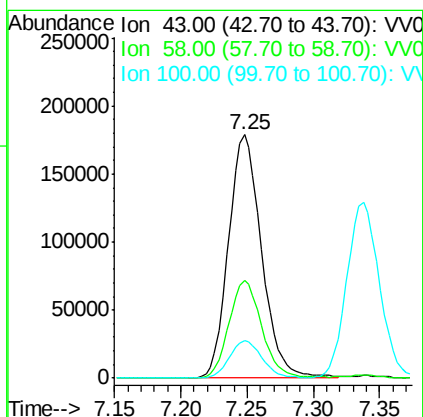
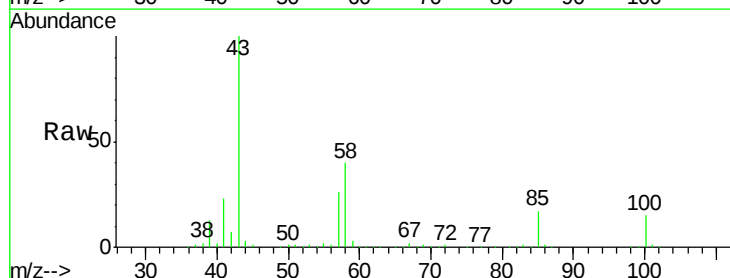
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

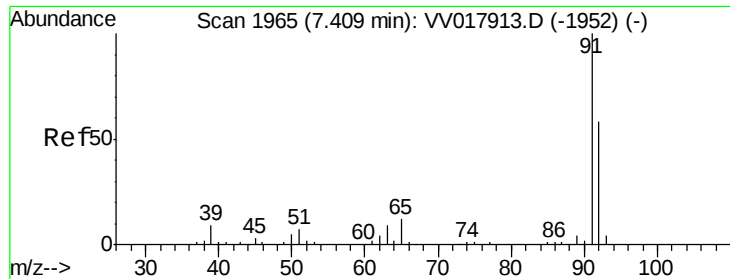
Tgt Ion: 75 Resp: 166399
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 153.152 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV017913.D
 Acq: 11 Aug 2020 16:59

Tgt Ion: 43 Resp: 310769
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.9 47.9
 100 15.2 12.2 18.2





#42

Toluene

Concen: 58.353 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

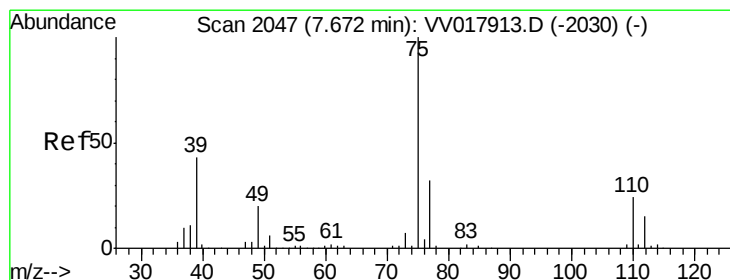
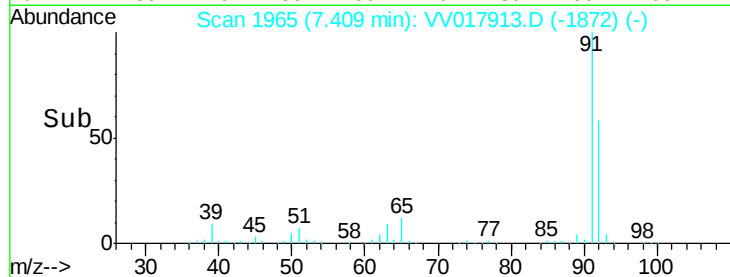
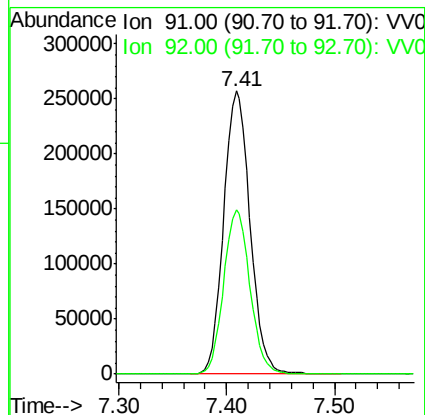
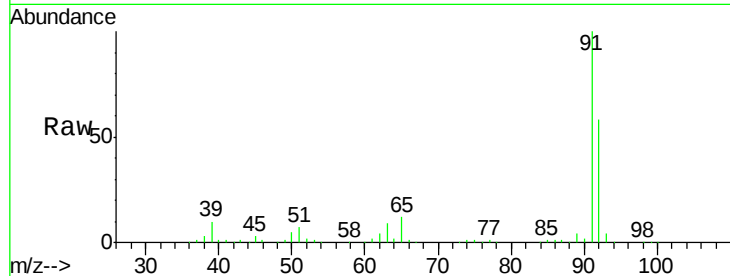
VSTD05065

Tgt Ion: 91 Resp: 438213

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 62.548 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017913.D

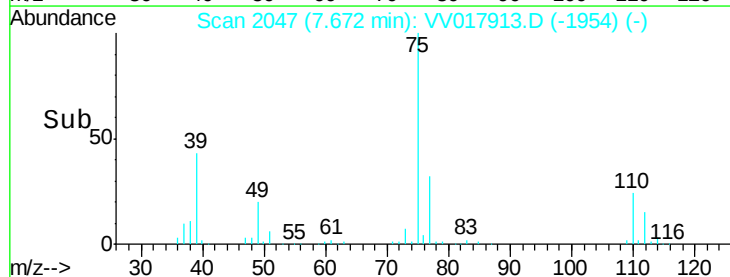
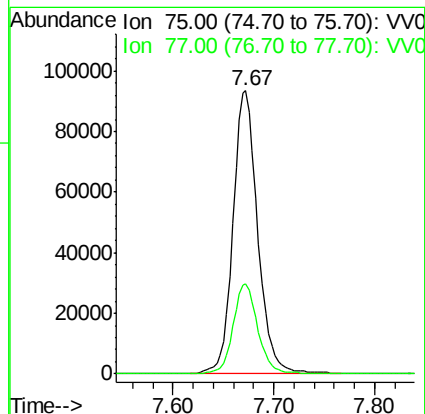
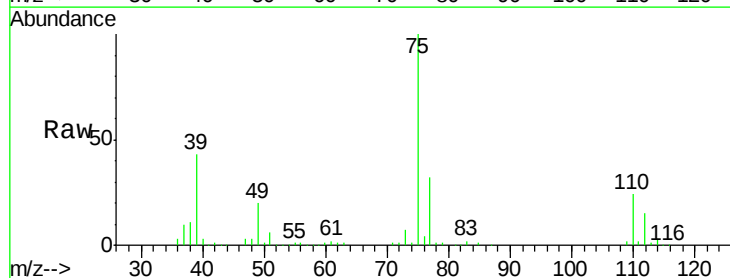
Acq: 11 Aug 2020 16:59

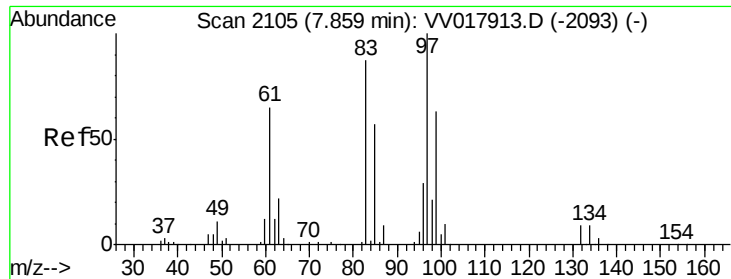
Tgt Ion: 75 Resp: 159775

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5

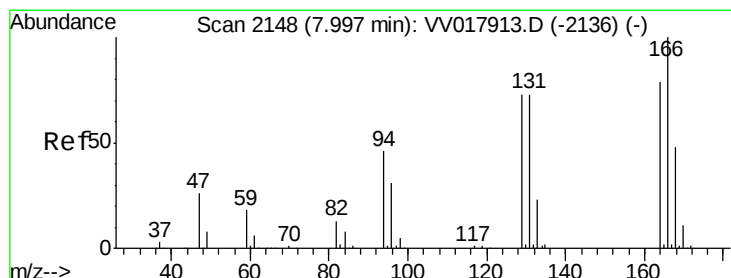
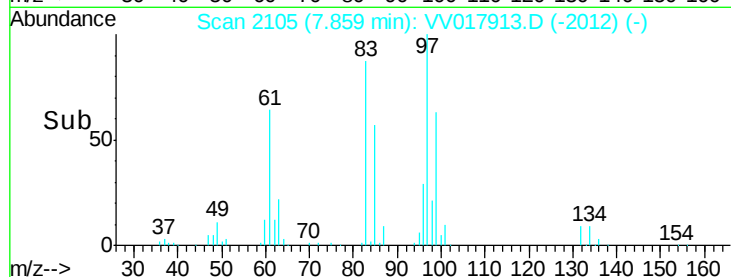
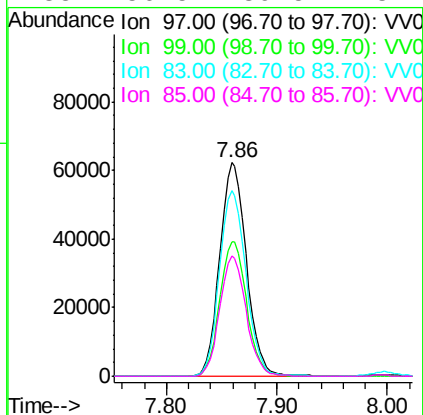
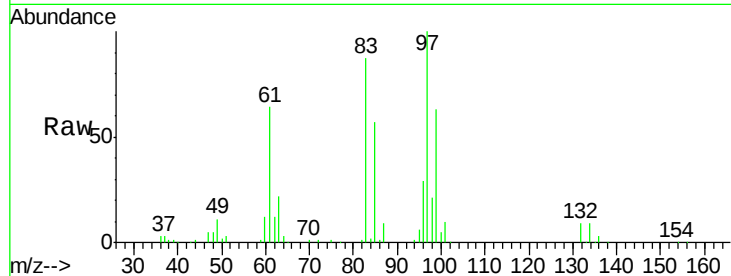




#45
 1,1,2-Trichloroethane
 Concen: 58.373 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV017913.D
 Acq: 11 Aug 2020 16:59

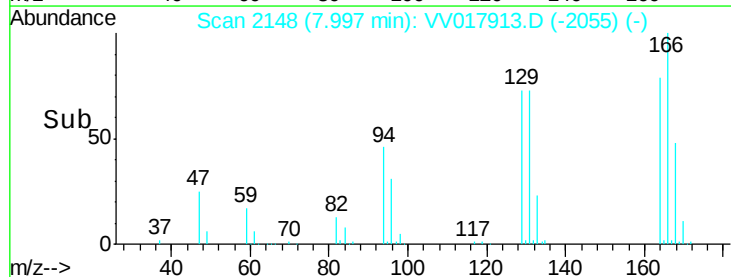
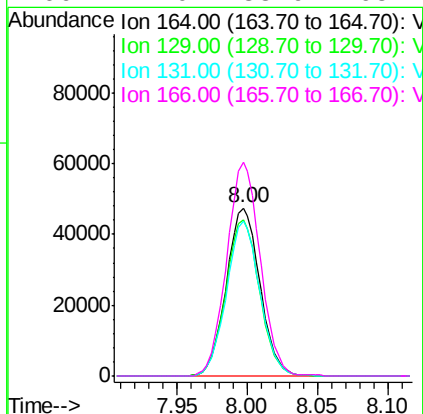
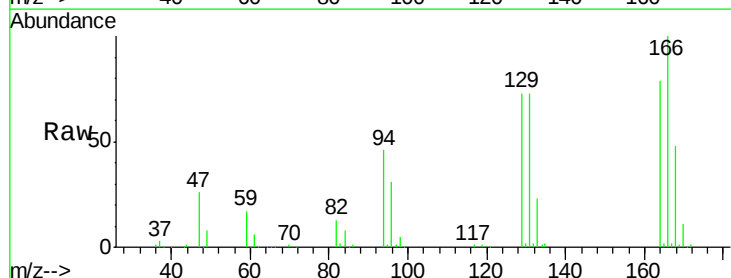
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

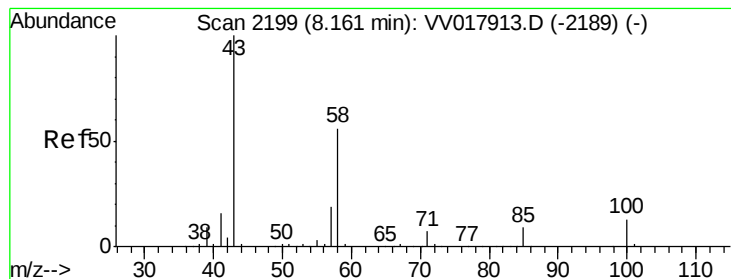
Tgt Ion:	97	Resp:	104404
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.2	82.2
83	87.2	61.0	113.4
85	56.5	39.5	73.4



#46
 Tetrachloroethene
 Concen: 46.205 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017913.D
 Acq: 11 Aug 2020 16:59

Tgt Ion:	164	Resp:	79320
Ion	Ratio	Lower	Upper
164	100		
129	92.5	64.8	120.3
131	92.2	64.5	119.9
166	127.0	88.9	165.1





#48

2-Hexanone

Concen: 149.776 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

Tgt Ion: 43 Resp: 253711

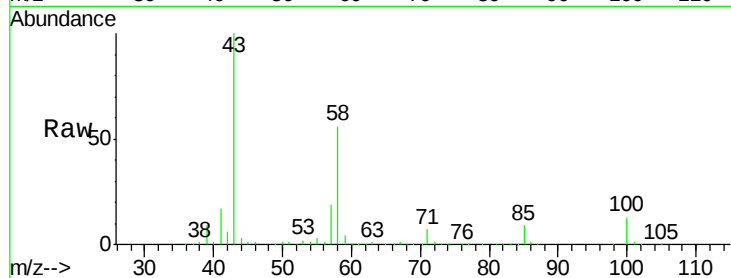
Ion Ratio Lower Upper

43 100

58 55.5 44.4 66.6

57 19.0 15.2 22.8

100 12.2 9.8 14.6

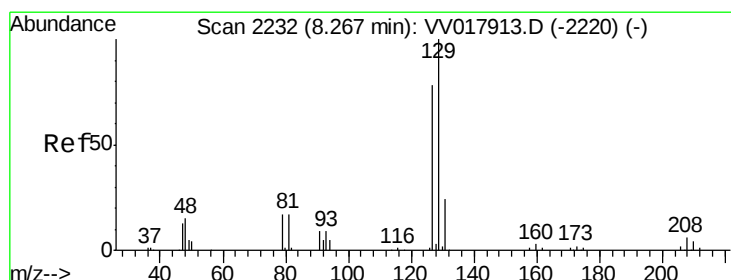
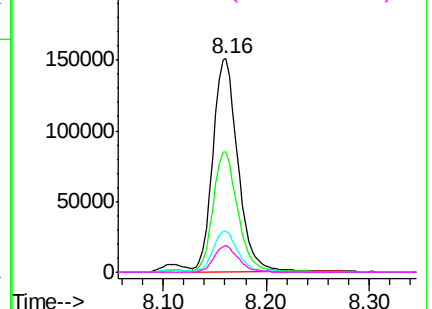
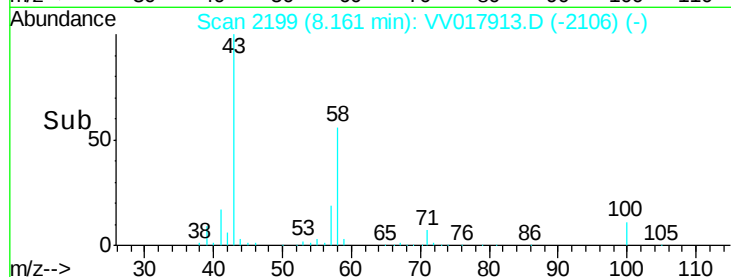


Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 53.802 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV017913.D

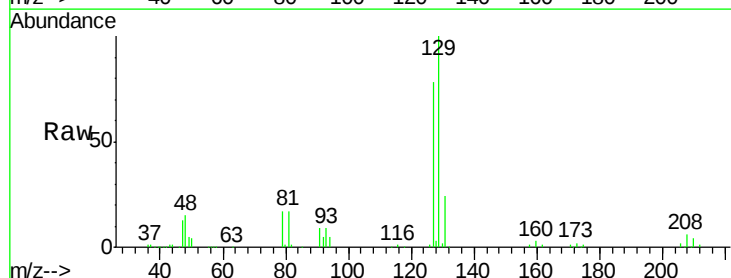
Acq: 11 Aug 2020 16:59

Tgt Ion: 129 Resp: 103198

Ion Ratio Lower Upper

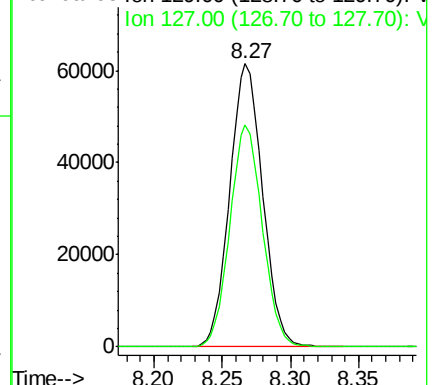
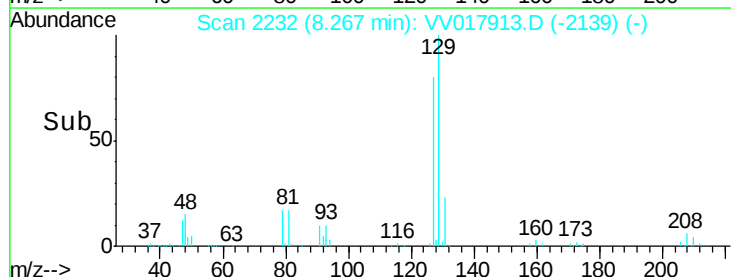
129 100

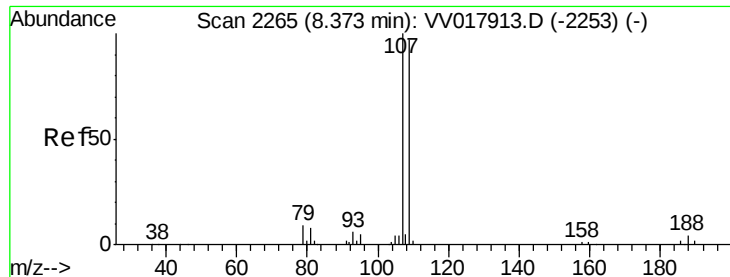
127 78.4 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

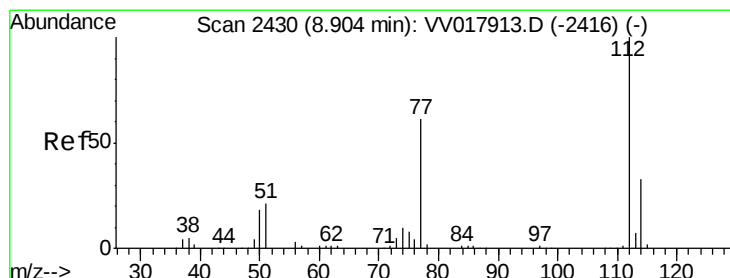
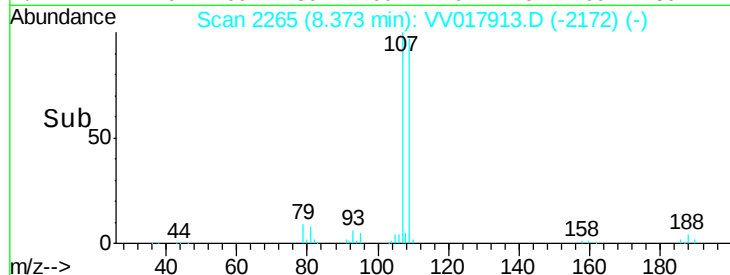
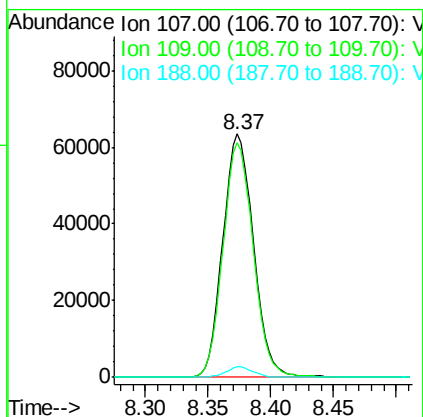
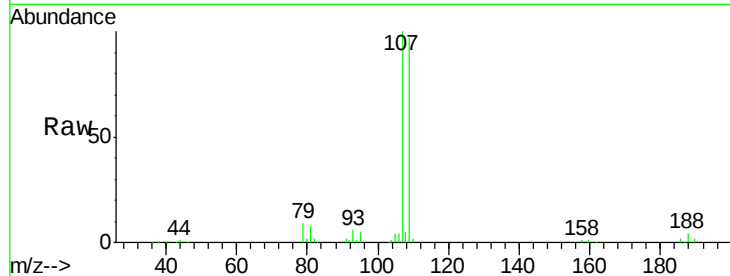




#50
 1,2-Dibromoethane
 Concen: 55.677 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV017913.D
 Acq: 11 Aug 2020 16:59

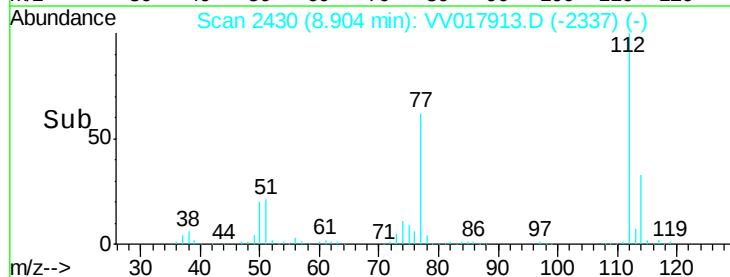
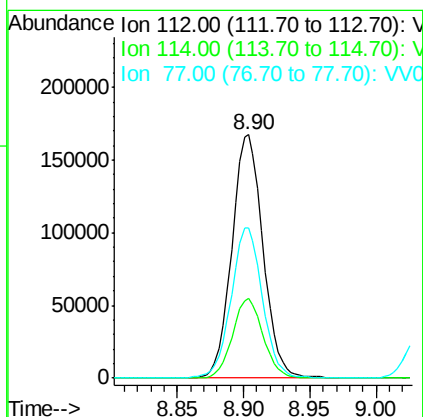
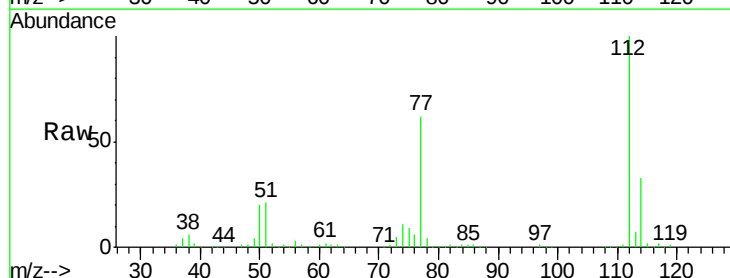
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

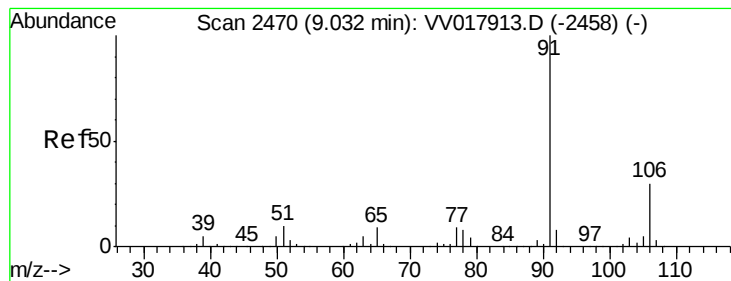
Tgt Ion:107 Resp: 107750
 Ion Ratio Lower Upper
 107 100
 109 96.5 67.5 125.4
 188 4.2 3.4 5.0



#51
 Chlorobenzene
 Concen: 53.550 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV017913.D
 Acq: 11 Aug 2020 16:59

Tgt Ion:112 Resp: 272870
 Ion Ratio Lower Upper
 112 100
 114 32.5 22.7 42.3
 77 61.8 49.4 74.2





#52

Ethylbenzene

Concen: 56.367 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

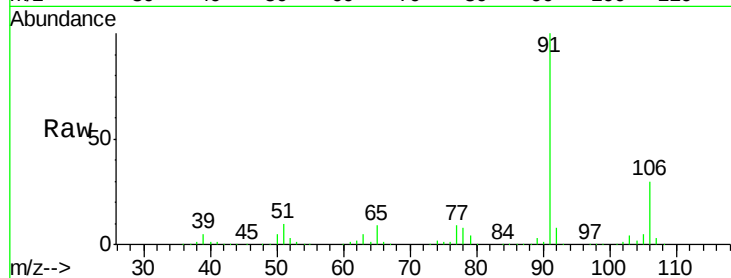
VSTD05065

Tgt Ion: 91 Resp: 478334

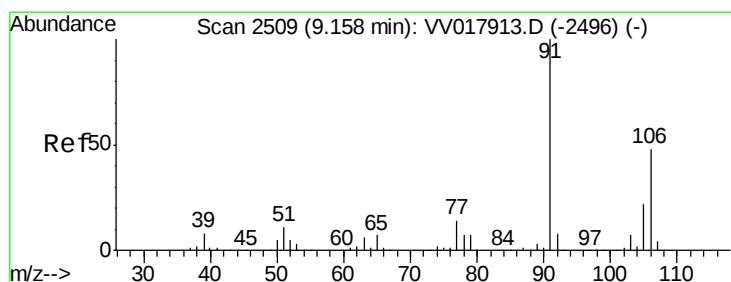
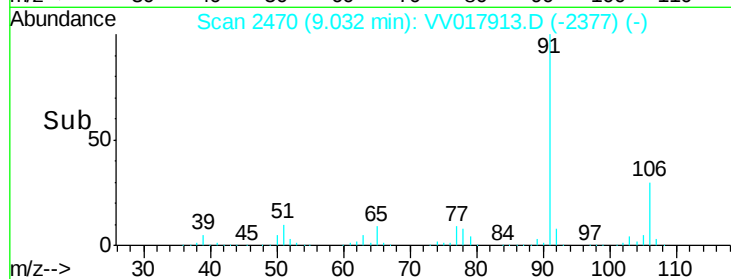
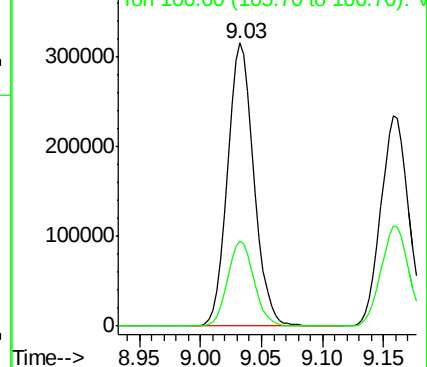
Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV017913.D (-2458) (-)



#53

m,p-Xylene

Concen: 54.286 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017913.D

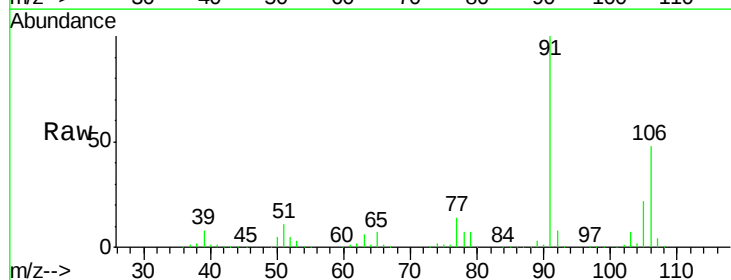
Acq: 11 Aug 2020 16:59

Tgt Ion: 106 Resp: 177850

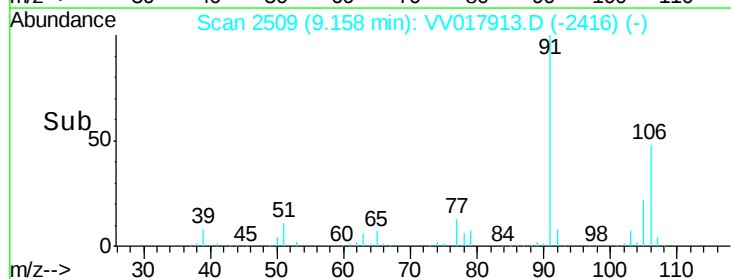
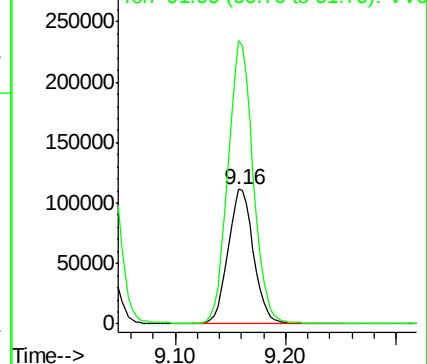
Ion Ratio Lower Upper

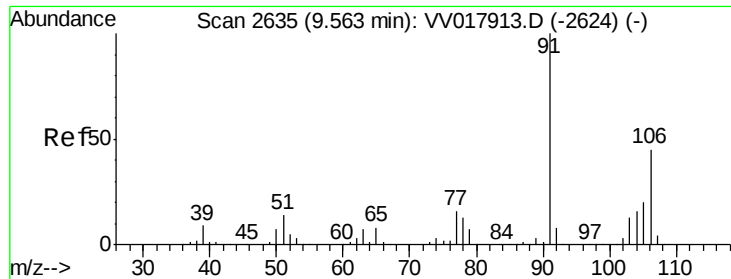
106 100

91 210.5 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV017913.D (-2496) (-)





#54

o-xylene

Concen: 53.851 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

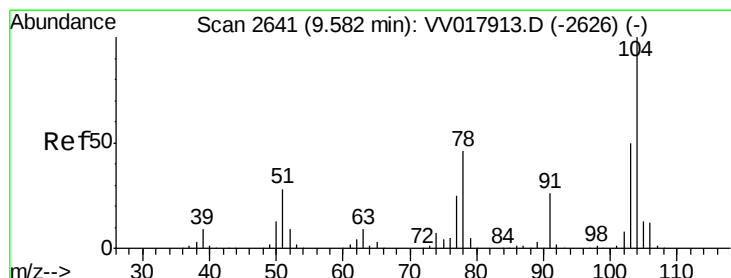
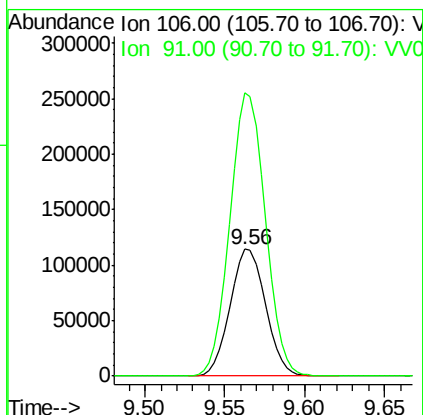
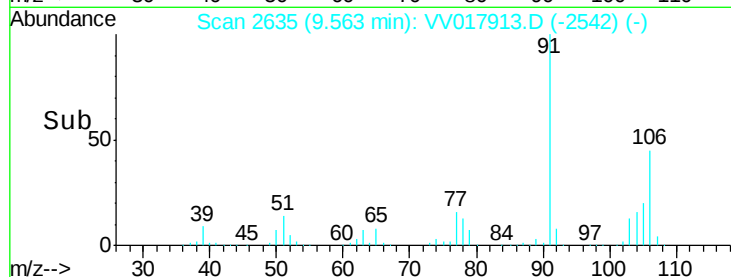
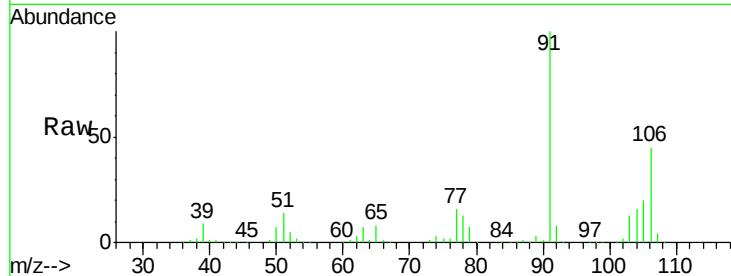
VSTD05065

Tgt Ion:106 Resp: 173253

Ion Ratio Lower Upper

106 100

91 222.9 156.0 289.8



#55

Styrene

Concen: 55.101 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV017913.D

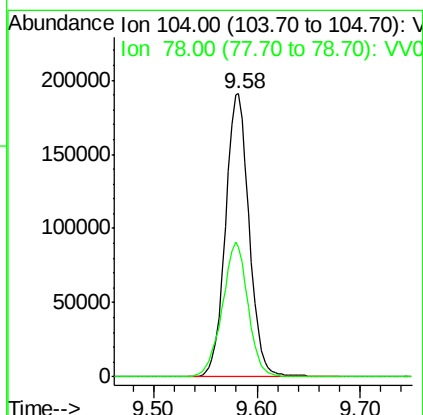
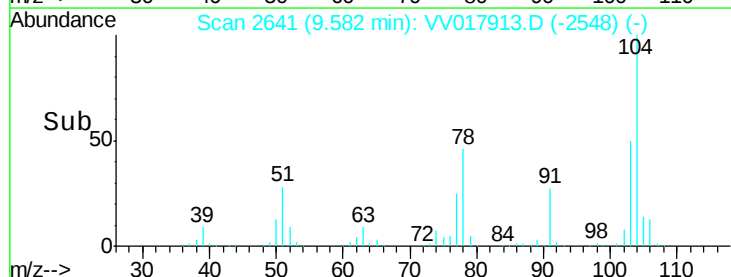
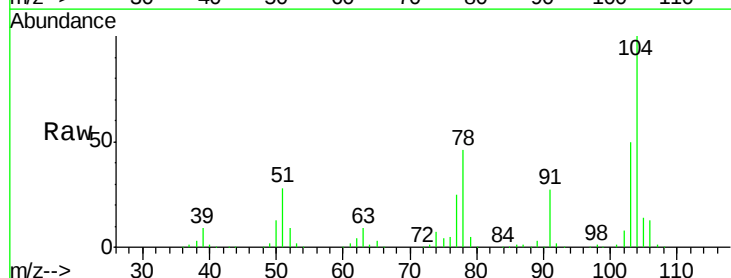
Acq: 11 Aug 2020 16:59

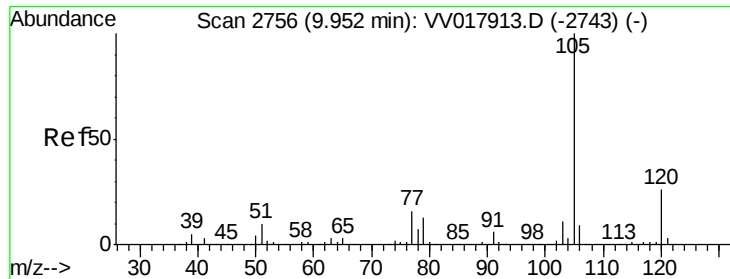
Tgt Ion:104 Resp: 305753

Ion Ratio Lower Upper

104 100

78 46.0 32.2 59.8





#56

Isopropylbenzene

Concen: 52.250 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

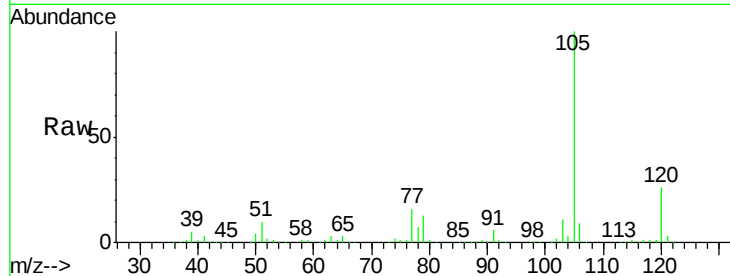
Tgt Ion: 105 Resp: 459866

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

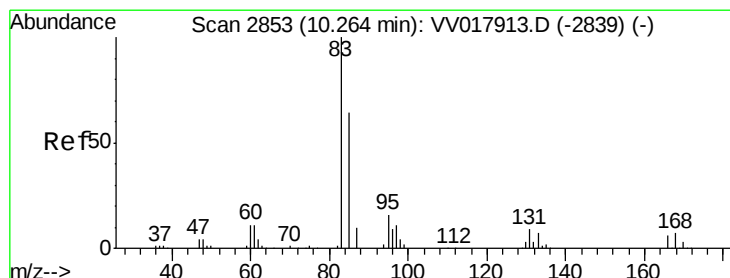
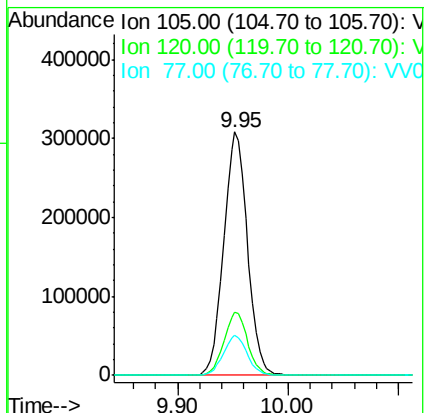
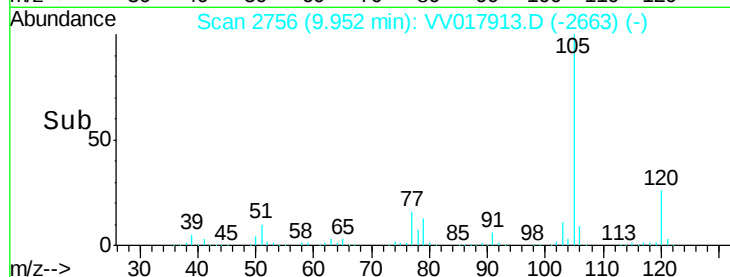
77 16.4 13.1 19.7



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: 65.600 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

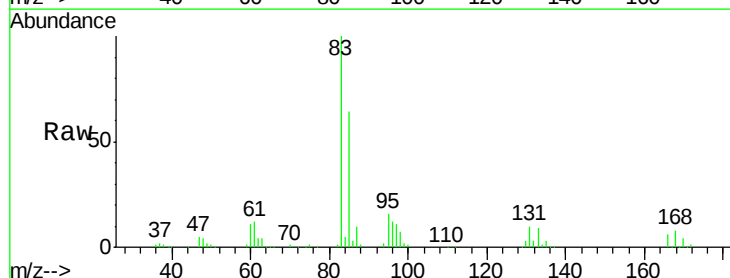
Tgt Ion: 83 Resp: 163796

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

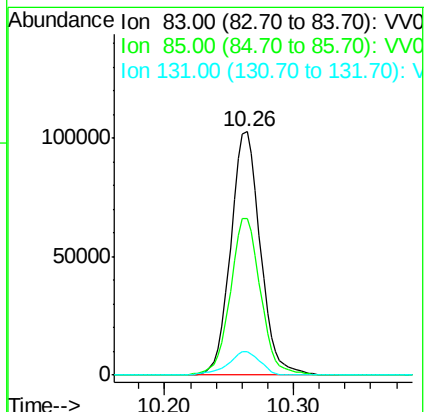
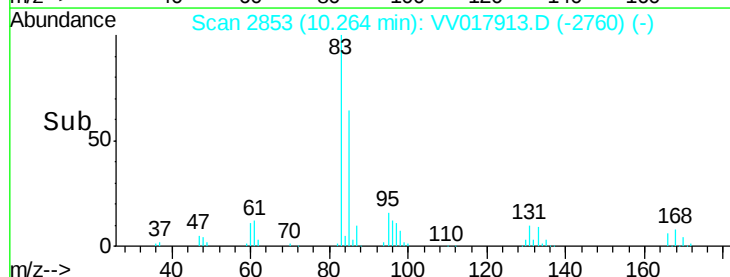
131 9.7 7.8 11.6

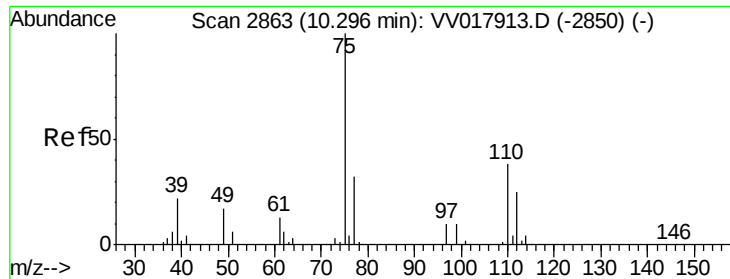


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

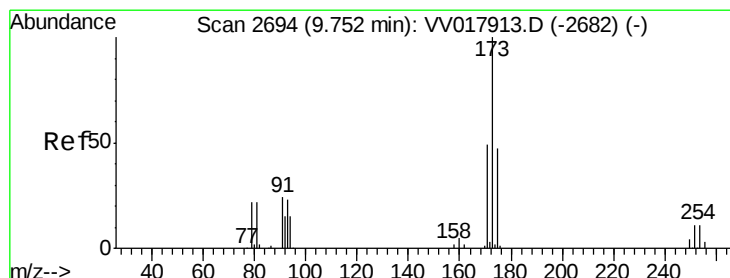
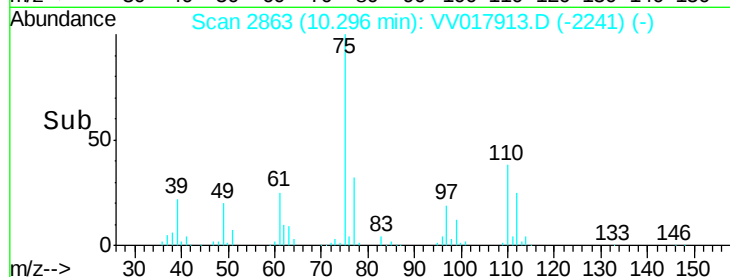
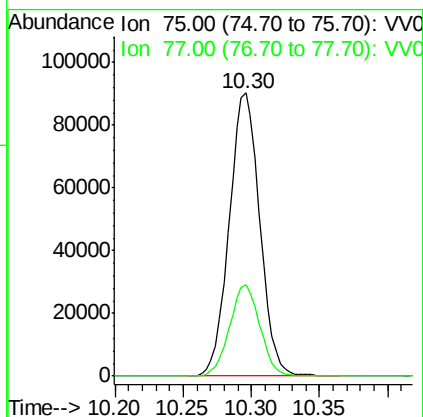
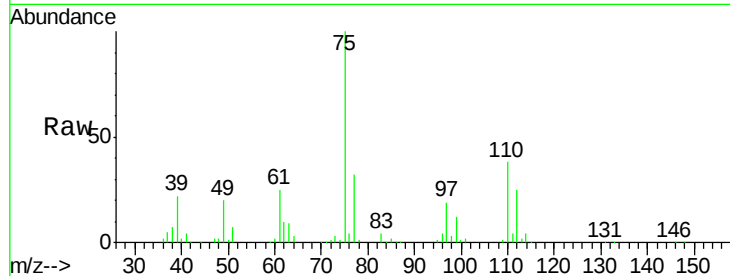




#59
 1,2,3-Trichloropropane
 Concen: 62.729 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV017913.D
 Acq: 11 Aug 2020 16:59

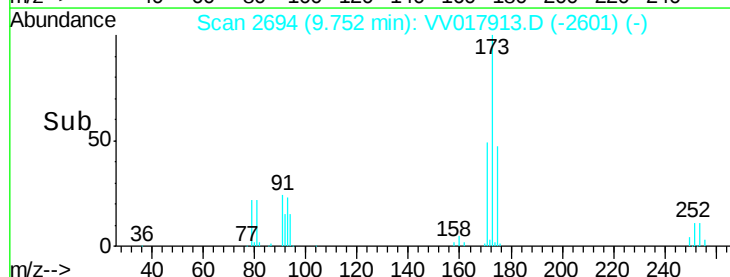
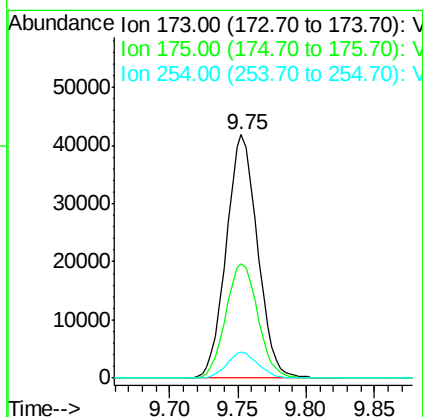
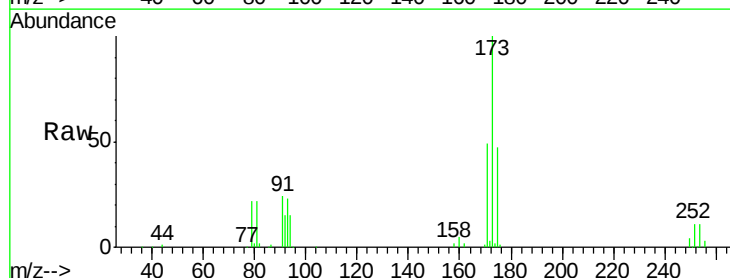
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

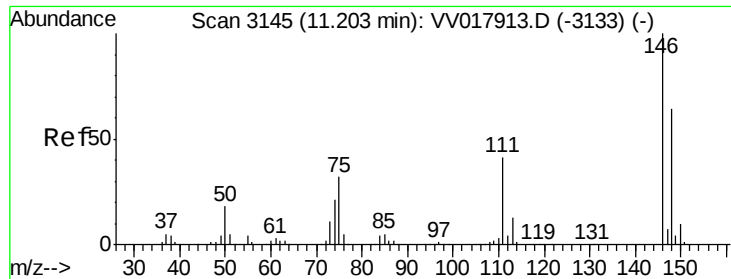
Tgt Ion: 75 Resp: 140208
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.7 38.5



#61
 Bromoform
 Concen: 55.584 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV017913.D
 Acq: 11 Aug 2020 16:59

Tgt Ion: 173 Resp: 66684
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.6 57.8
 254 10.5 8.4 12.6

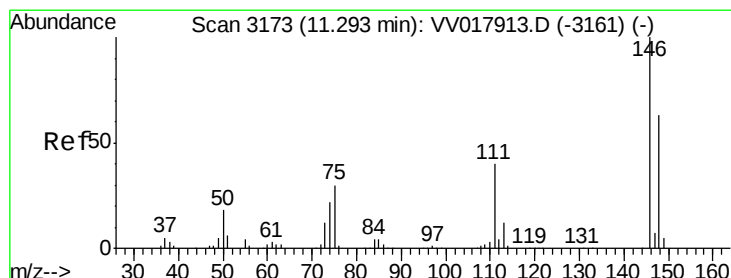
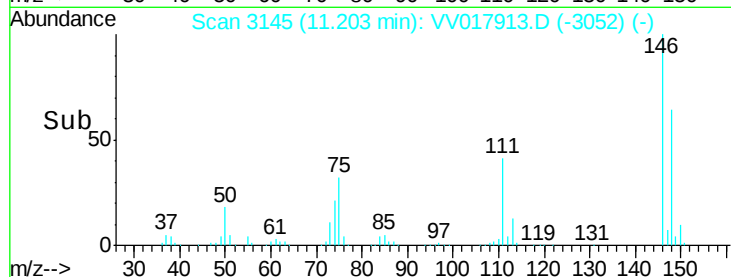
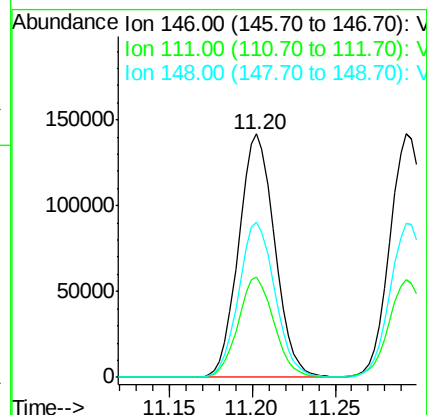
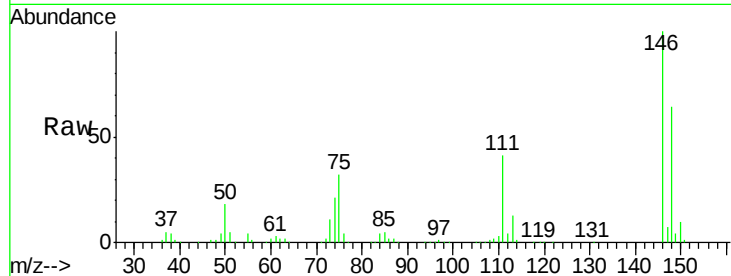




#62
 1,3-Dichlorobenzene
 Concen: 51.777 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV017913.D
 Acq: 11 Aug 2020 16:59

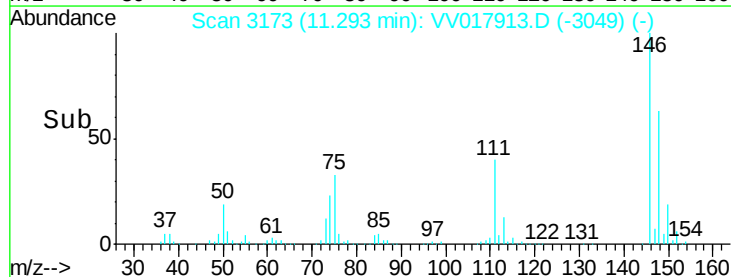
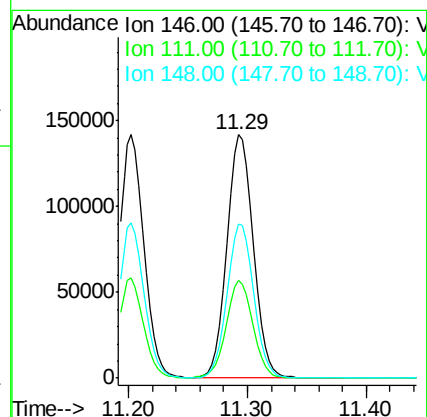
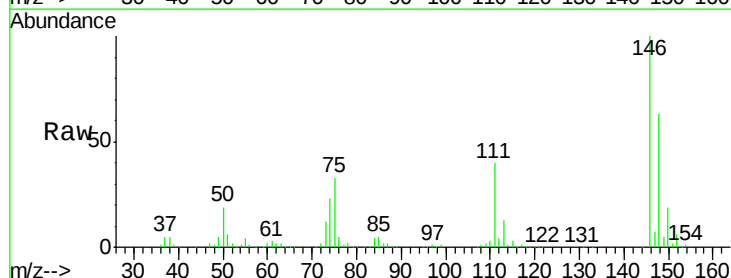
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

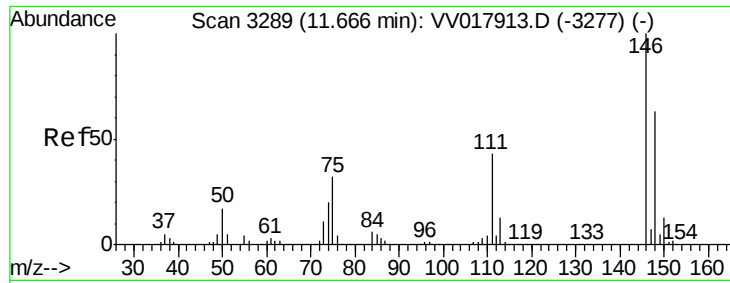
Tgt Ion:146 Resp: 214531
 Ion Ratio Lower Upper
 146 100
 111 41.1 28.8 53.4
 148 64.2 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 51.784 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV017913.D
 Acq: 11 Aug 2020 16:59

Tgt Ion:146 Resp: 218591
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.0 52.0
 148 63.2 44.2 82.2

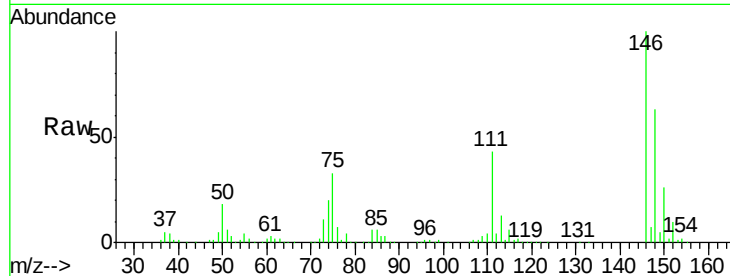




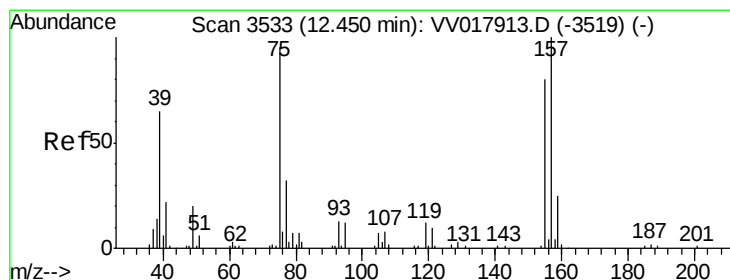
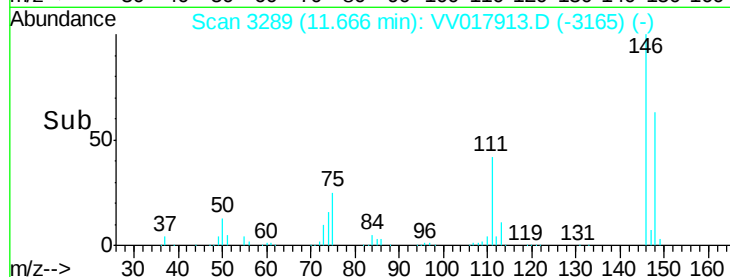
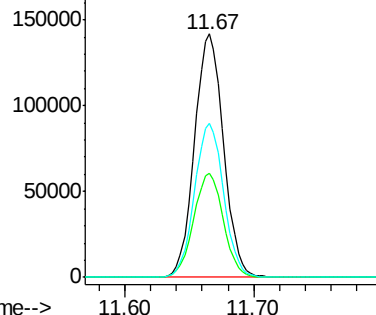
#65
 1,2-Dichlorobenzene
 Concen: 51.861 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV017913.D
 Acq: 11 Aug 2020 16:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

Tgt Ion: 146 Resp: 220763
 Ion Ratio Lower Upper
 146 100
 111 42.8 34.2 51.4
 148 63.3 50.6 76.0

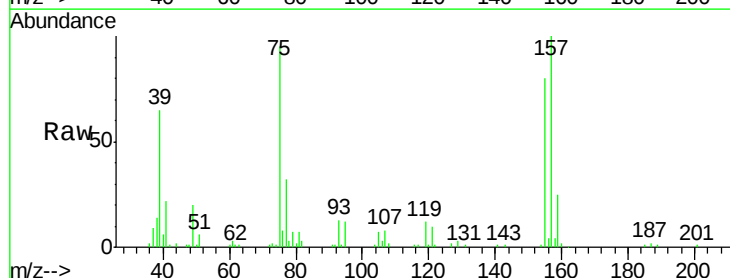


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

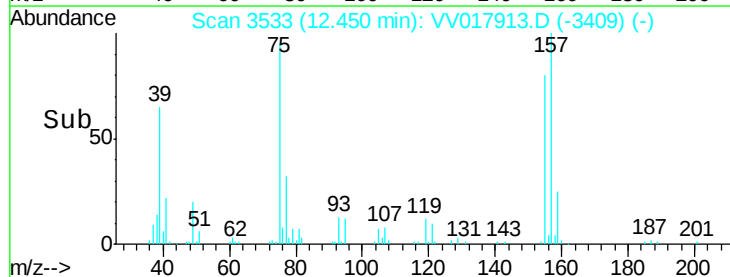
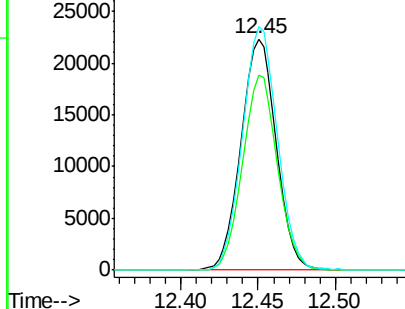


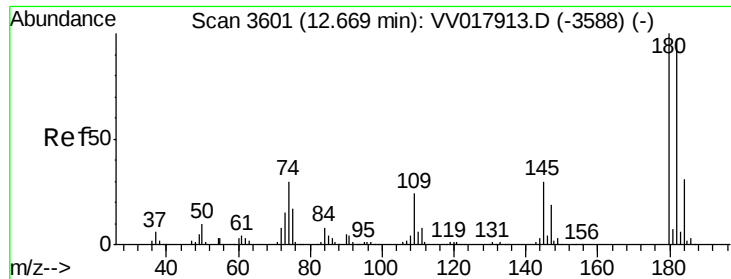
#66
 1,2-Dibromo-3-chloropropane
 Concen: 61.030 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV017913.D
 Acq: 11 Aug 2020 16:59

Tgt Ion: 75 Resp: 35475
 Ion Ratio Lower Upper
 75 100
 155 84.5 67.6 101.4
 157 105.4 84.3 126.5



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

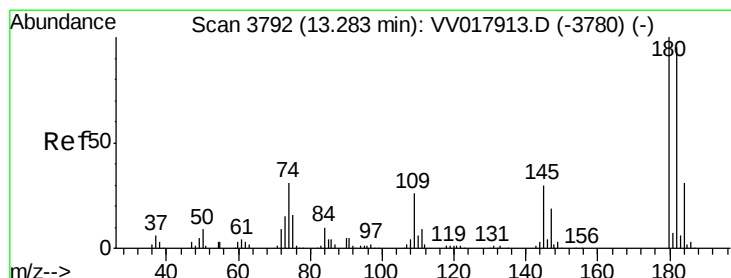
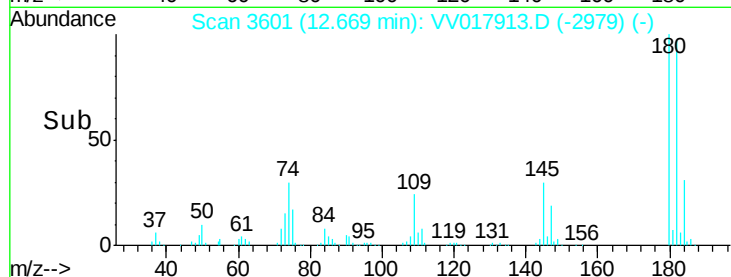
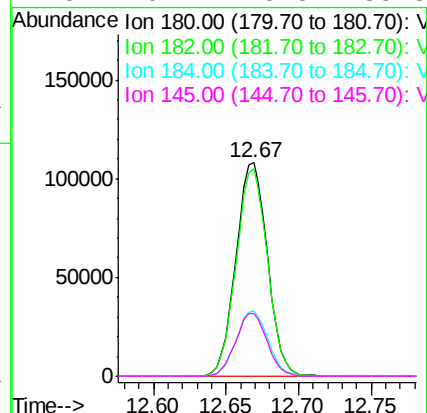
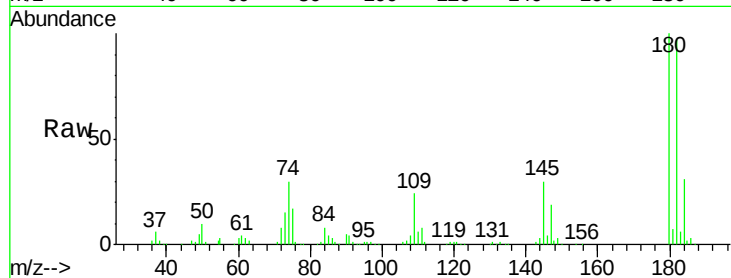




#67
 1,3,5-Trichlorobenzene
 Concen: 49.150 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017913.D
 Acq: 11 Aug 2020 16:59

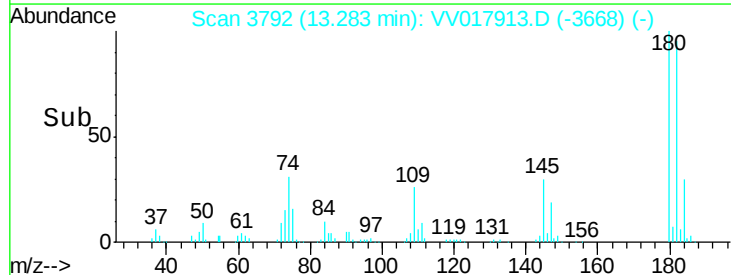
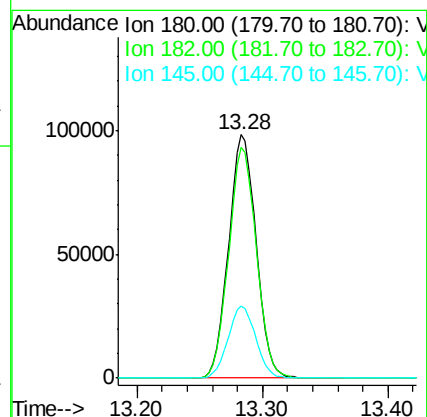
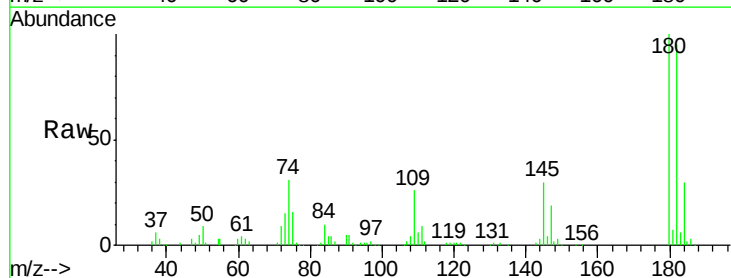
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

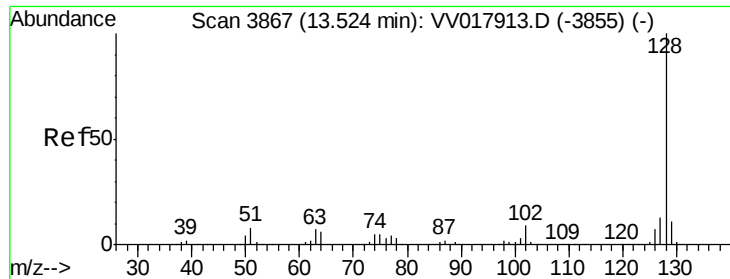
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.2	115.8
184	30.7	24.6	36.8
145	29.4	23.5	35.3



#68
 1,2,4-trichlorobenzene
 Concen: 51.279 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017913.D
 Acq: 11 Aug 2020 16:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
145	30.0	24.0	36.0





#69

Naphthalene

Concen: 57.835 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

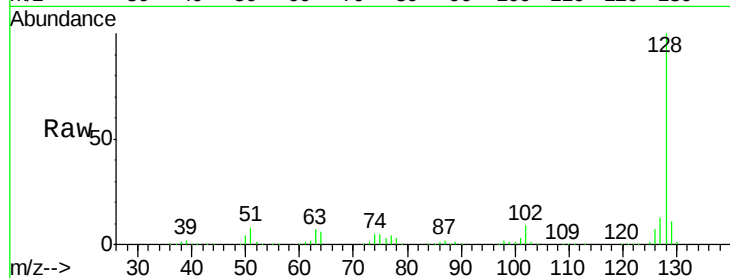
Tgt Ion:128 Resp: 444564

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

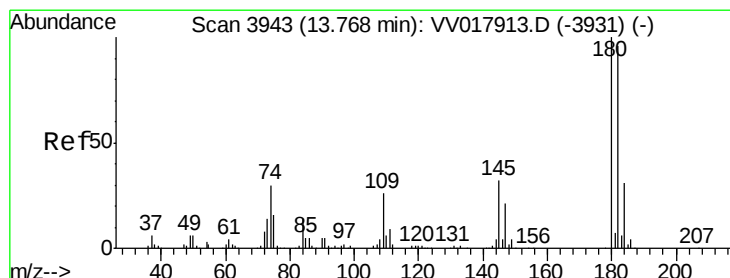
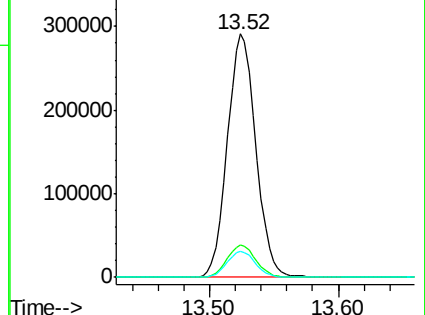
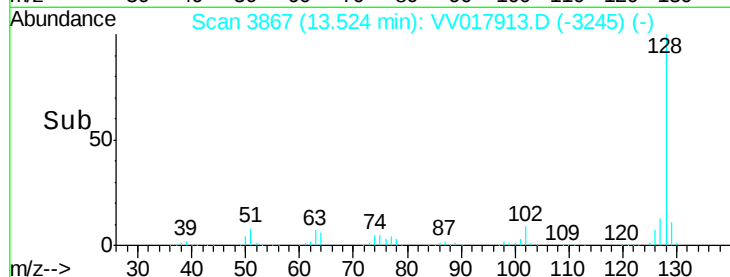
129 10.9 8.7 13.1



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: 52.045 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017913.D

Acq: 11 Aug 2020 16:59

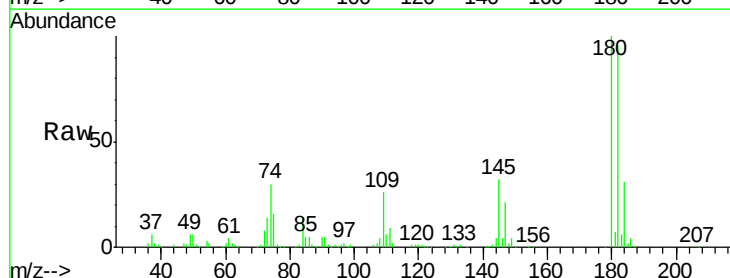
Tgt Ion:180 Resp: 153963

Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

145 32.5 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

