

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081120\
 Data File : VV017915.D
 Acq On : 11 Aug 2020 17:45
 Operator : SY/MD
 Sample : VSTD20061
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20061

Quant Time: Aug 11 19:49:02 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	284225	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	282044	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	155736	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	429775	267.06	ug/L	0.00
7) Chloroethane-d5	1.58	69	347402	255.80	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	819728	224.07	ug/L	0.00
21) 2-Butanone-d5	3.91	46	603726	582.03	ug/L	0.00
24) Chloroform-d	4.37	84	798190	205.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	516277	187.45	ug/L	0.00
32) Benzene-d6	5.07	84	1550948	227.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	503104	271.58	ug/L	0.00
41) Toluene-d8	7.34	98	1448427	217.05	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	263882	243.20	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	398204	607.61	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	697426	254.02	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	609797	193.44	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	408696	183.166	ug/L	100
3) Chloromethane	1.25	50	474228	286.508	ug/L	99
5) Vinyl chloride	1.32	62	481950	262.033	ug/L	98
6) Bromomethane	1.53	94	293221	242.173	ug/L	100
8) Chloroethane	1.59	64	304425	262.167	ug/L	100
9) Trichlorofluoromethane	1.76	101	682113	170.342	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	376826	203.155	ug/L	99
12) 1,1-Dichloroethene	2.13	96	368187	212.402	ug/L	94
13) Acetone	2.20	43	455210	353.048	ug/L	100
14) Carbon disulfide	2.31	76	1065816	258.213	ug/L	100
15) Methyl Acetate	2.45	43	450981	292.189	ug/L	100
16) Methylene chloride	2.52	84	425785	225.848	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	381236	214.791	ug/L	100
18) Methyl tert-butyl Ether	2.78	73	1303515	215.926	ug/L	100
19) 1,1-Dichloroethane	3.21	63	759114	249.123	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	433142	226.249	ug/L	99
22) 2-Butanone	3.99	43	665070	554.884	ug/L	100
23) Bromochloromethane	4.27	128	217833	195.752	ug/L	99
25) Chloroform	4.40	83	765153	206.098	ug/L	99
27) 1,2-Dichloroethane	5.15	62	613269	186.575	ug/L	98
29) Cyclohexane	4.70	56	677246	271.104	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	661218	170.874	ug/L	99
31) Carbon tetrachloride	4.85	117	562417	165.064	ug/L	100
33) Benzene	5.12	78	1658553	232.416	ug/L	100
34) Trichloroethene	5.94	95	427738	206.512	ug/L	99
35) Methylcyclohexane	6.15	83	680417	228.737	ug/L	98
37) 1,2-Dichloropropane	6.20	63	452702	272.395	ug/L	100
38) Bromodichloromethane	6.53	83	588609	216.533	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	729431	270.124	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	1252105	571.780	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081120\
 Data File : VV017915.D
 Acq On : 11 Aug 2020 17:45
 Operator : SY/MD
 Sample : VSTD20061
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20061

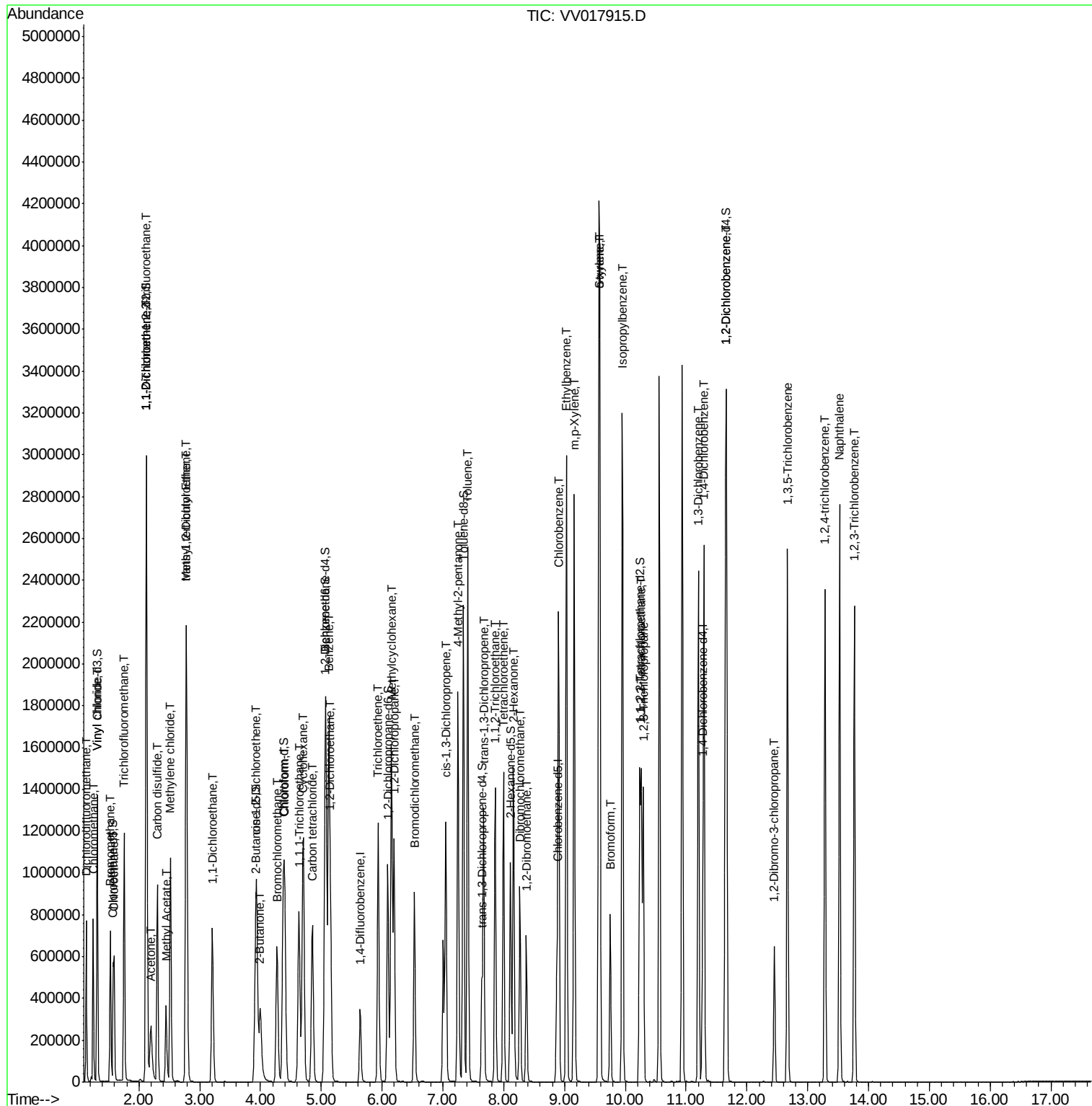
Quant Time: Aug 11 19:49:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 19:45:14 2020
 Response via : Initial Calibration

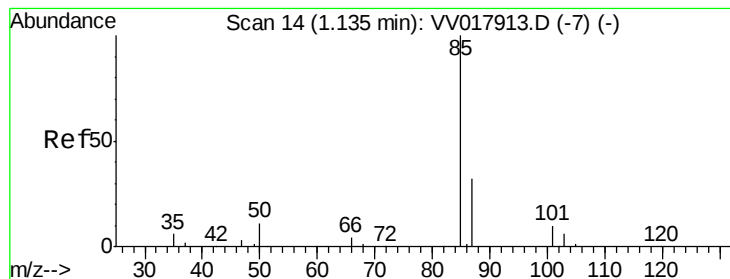
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	1783356	220.049	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	703109	255.052	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	419185	217.173	ug/L	99
46) Tetrachloroethene	8.00	164	324683	175.255	ug/L	98
48) 2-Hexanone	8.16	43	990932	542.065	ug/L	99
49) Dibromochloromethane	8.27	129	459122	221.799	ug/L	100
50) 1,2-Dibromoethane	8.37	107	446951	214.005	ug/L	97
51) Chlorobenzene	8.90	112	1132969	206.029	ug/L	100
52) Ethylbenzene	9.03	91	2014856	220.008	ug/L	100
53) m,p-Xylene	9.16	106	753711	213.179	ug/L	98
54) o-xylene	9.57	106	745898	214.829	ug/L	98
55) Styrene	9.58	104	1325242	221.304	ug/L	100
56) Isopropylbenzene	9.95	105	1983177	208.797	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	697864	258.984	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	568608	235.730	ug/L	100
61) Bromoform	9.75	173	339053	244.725	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	950884	198.727	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	968336	198.643	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	979968	199.345	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	161073	239.953	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	758748	197.982	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	687117	204.463	ug/L	100
69) Naphthalene	13.52	128	1999844	225.287	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	668556	195.697	ug/L	100

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV081120\
Data File : VV017915.D
Acq On    : 11 Aug 2020   17:45
Operator  : SY/MD
Sample    : VSTD20061
Misc      : 5.0mL/MSVOA_V/WATER
ALS Vial  : 6   Sample Multiplier: 1
```

Quant Time: Aug 11 19:49:02 2020
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 11 19:45:14 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 183.166 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

Instrument :

MSVOA_V

ClientSampleId :

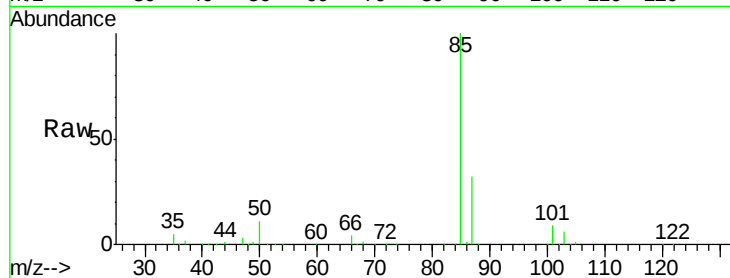
VSTD20061

Tgt Ion: 85 Resp: 408696

Ion Ratio Lower Upper

85 100

87 32.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

400000

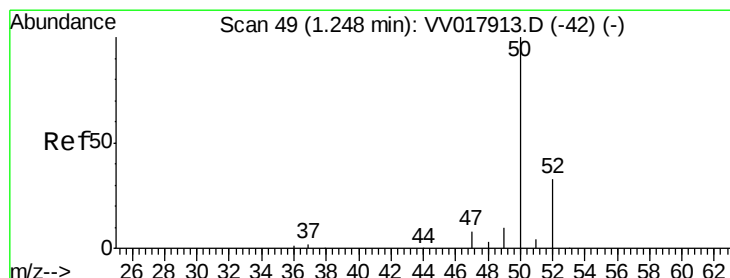
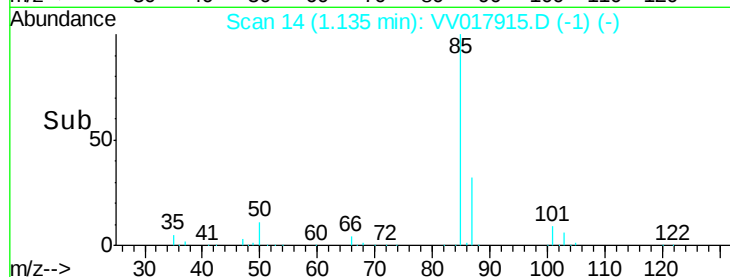
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 286.508 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017915.D

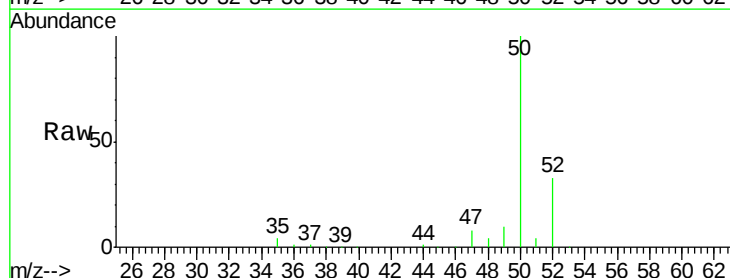
Acq: 11 Aug 2020 17:45

Tgt Ion: 50 Resp: 474228

Ion Ratio Lower Upper

50 100

52 32.8 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

500000

400000

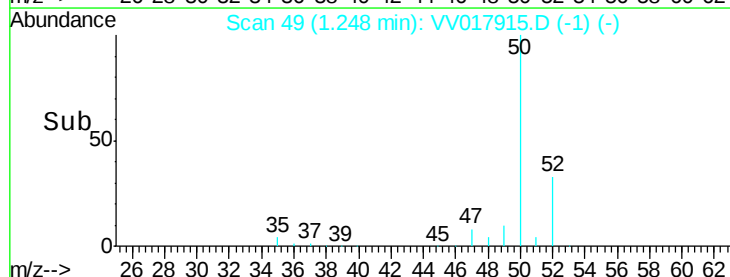
300000

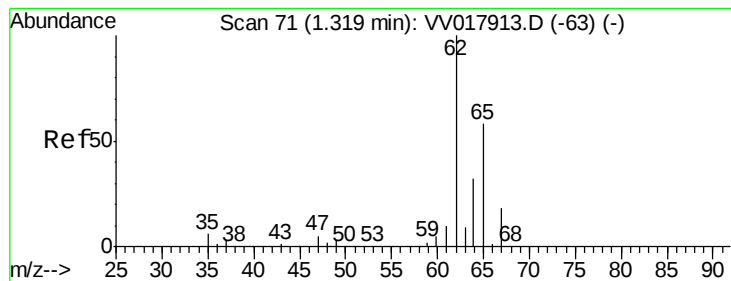
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 262.033 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

Instrument :

MSVOA_V

ClientSampleId :

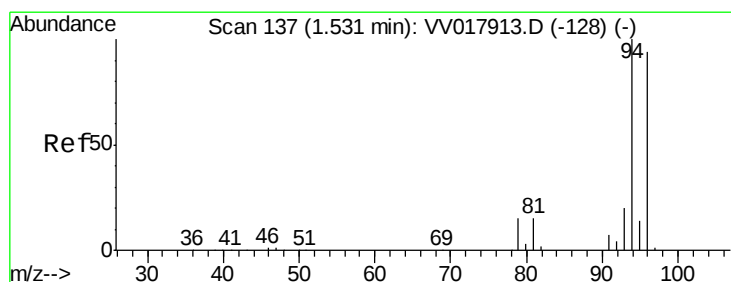
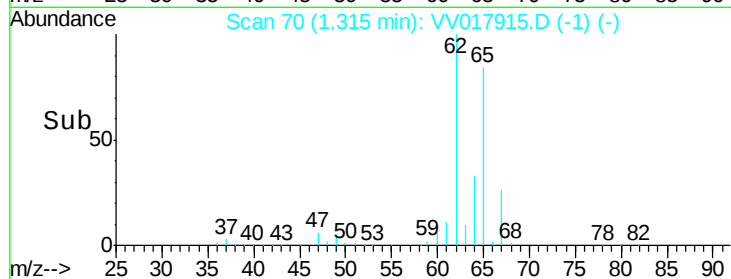
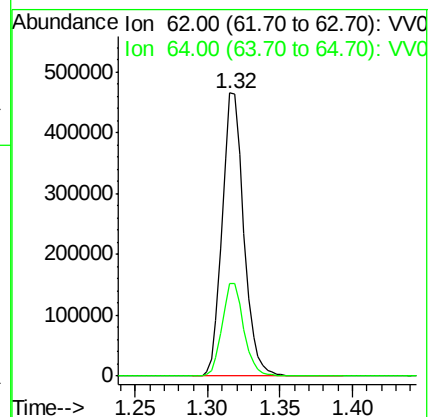
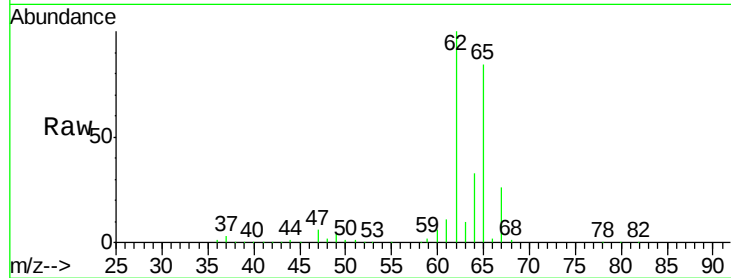
VSTD20061

Tgt Ion: 62 Resp: 481950

Ion Ratio Lower Upper

62 100

64 32.9 22.4 41.6



#6

Bromomethane

Concen: 242.173 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017915.D

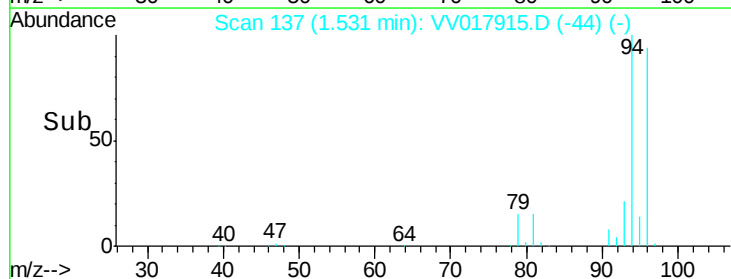
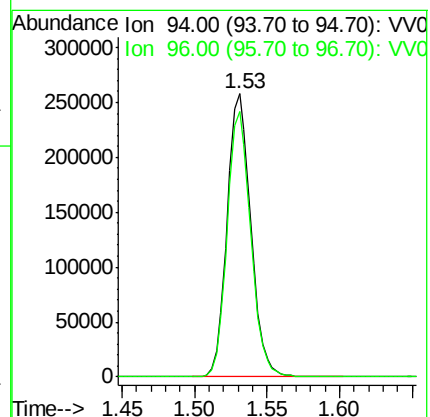
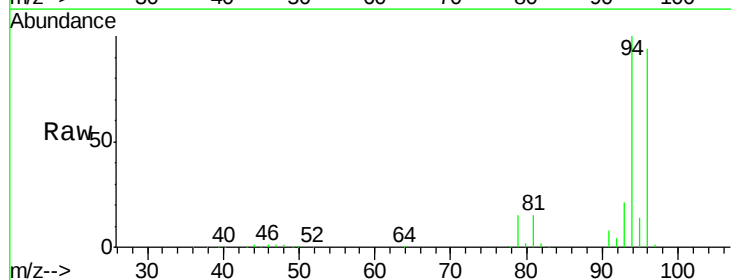
Acq: 11 Aug 2020 17:45

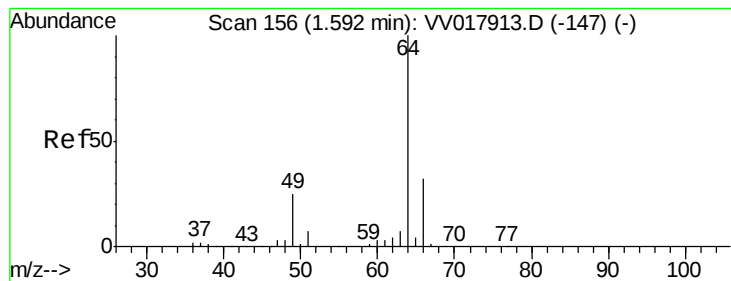
Tgt Ion: 94 Resp: 293221

Ion Ratio Lower Upper

94 100

96 94.0 65.5 121.7





#8

Chloroethane

Concen: 262.167 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

Instrument :

MSVOA_V

ClientSampleId :

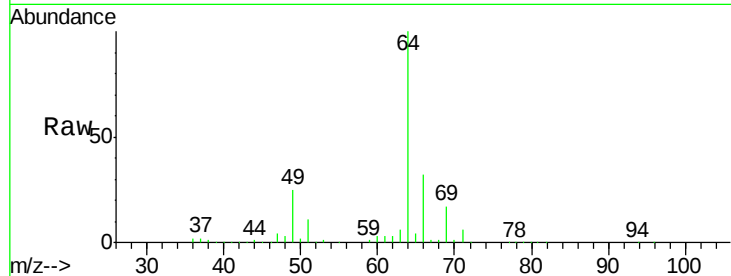
VSTD20061

Tgt Ion: 64 Resp: 304425

Ion Ratio Lower Upper

64 100

66 32.0 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV017915.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV017915.D (-147) (-)

1.59

250000

200000

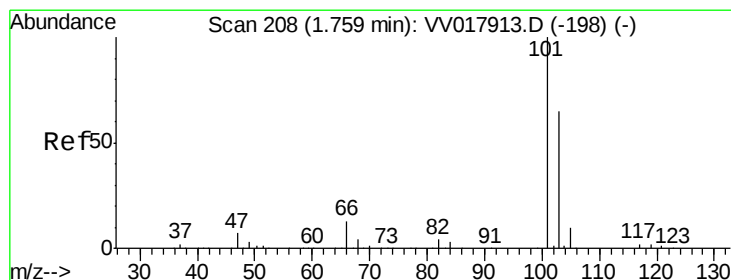
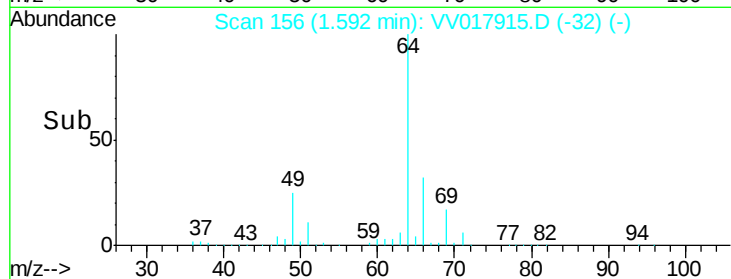
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 170.342 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV017915.D

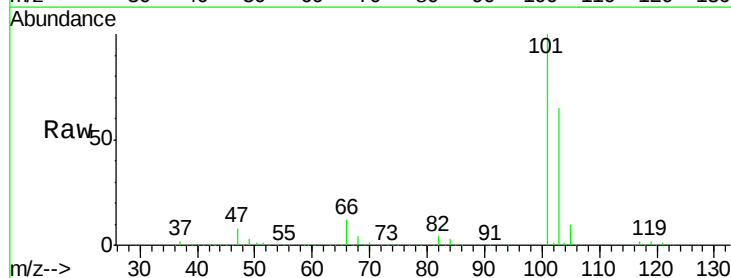
Acq: 11 Aug 2020 17:45

Tgt Ion: 101 Resp: 682113

Ion Ratio Lower Upper

101 100

103 64.7 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV017915.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV017915.D (-198) (-)

1.76

600000

500000

400000

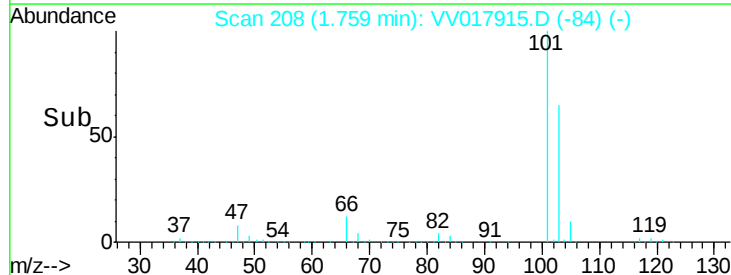
300000

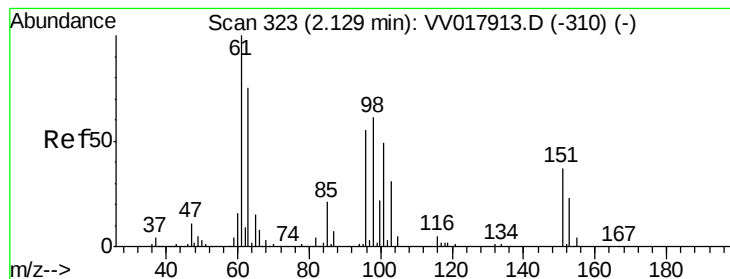
200000

100000

0

Time-->





#10

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

Concen: 203.155 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

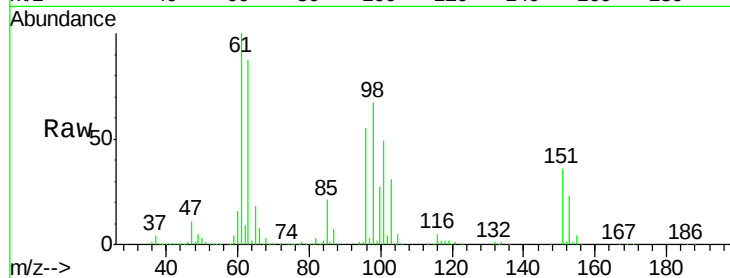
Tgt Ion: 101 Resp: 376826

Ion Ratio Lower Upper

101 100

85 43.3 34.9 52.3

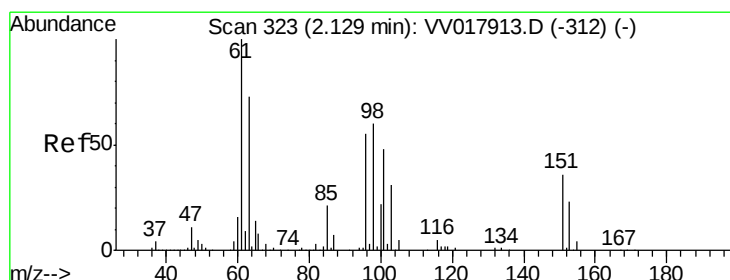
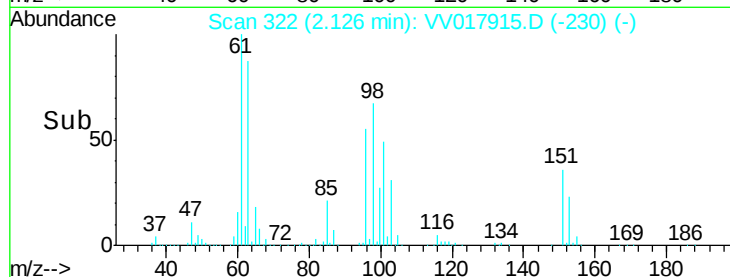
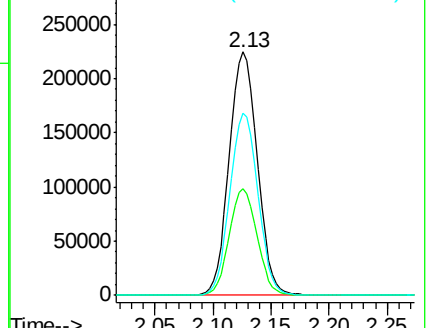
151 74.7 59.1 88.7



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: 212.402 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

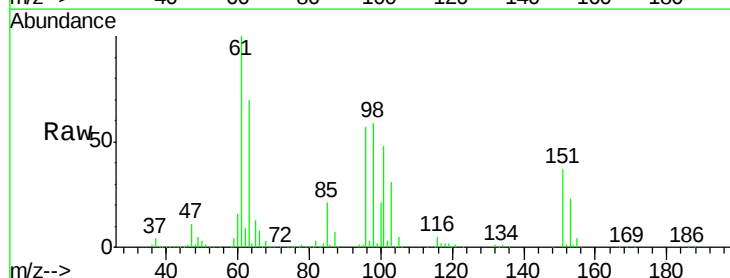
Tgt Ion: 96 Resp: 368187

Ion Ratio Lower Upper

96 100

61 176.6 127.1 236.0

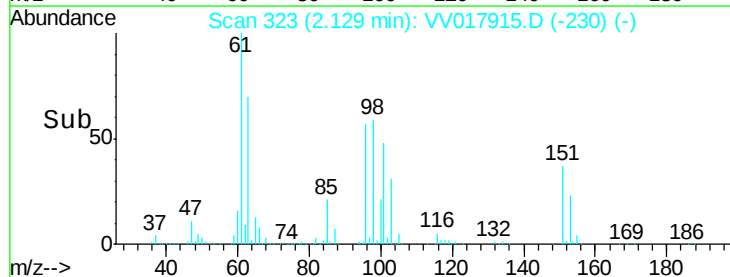
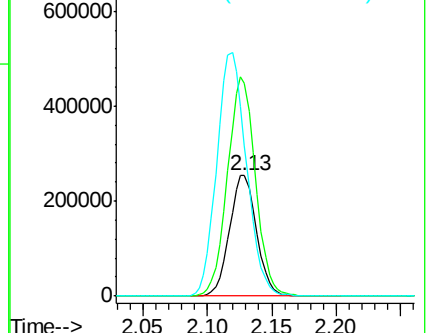
63 124.3 95.2 176.8

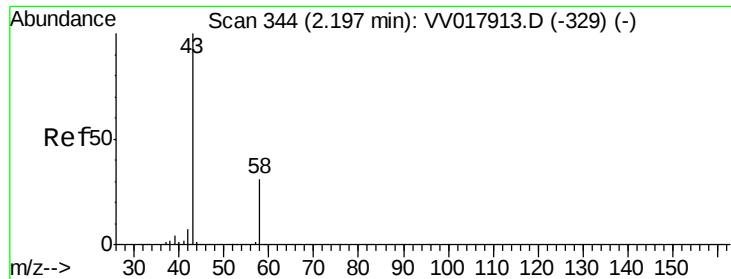


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 353.048 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

Instrument :

MSVOA_V

ClientSampleId :

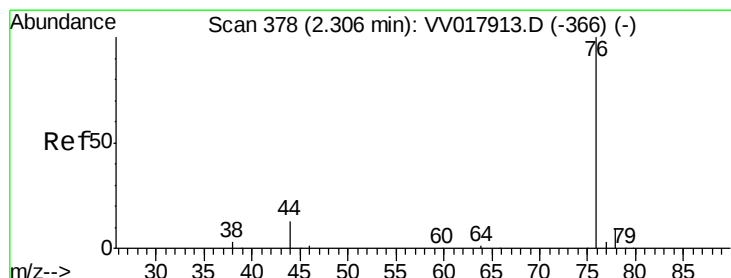
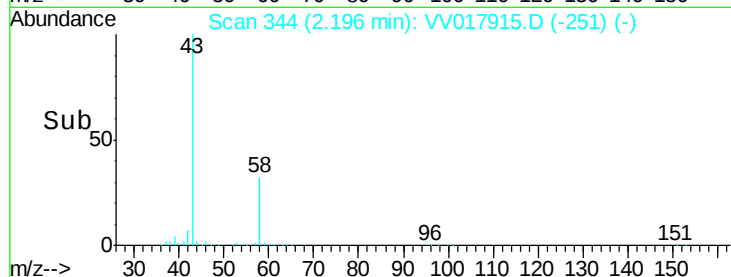
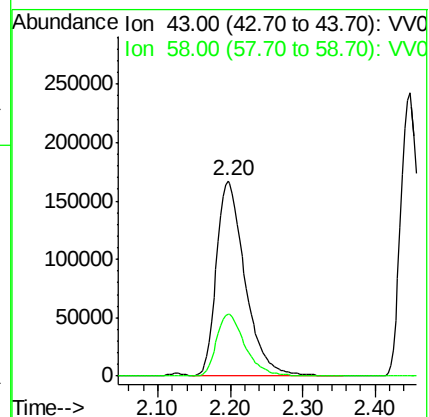
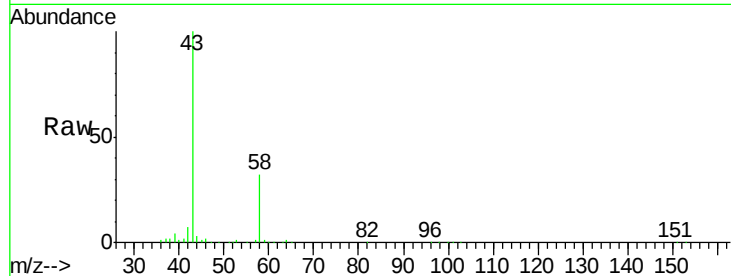
VSTD20061

Tgt Ion: 43 Resp: 455210

Ion Ratio Lower Upper

43 100

58 31.9 0.0 63.6



#14

Carbon disulfide

Concen: 258.213 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017915.D

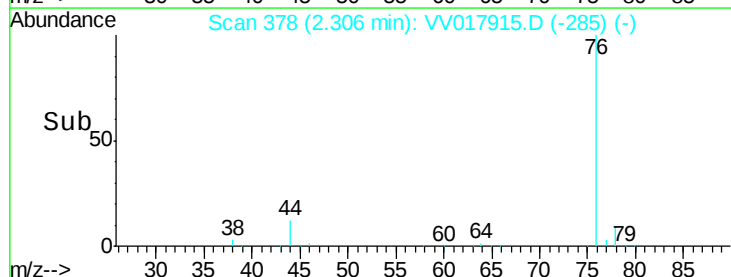
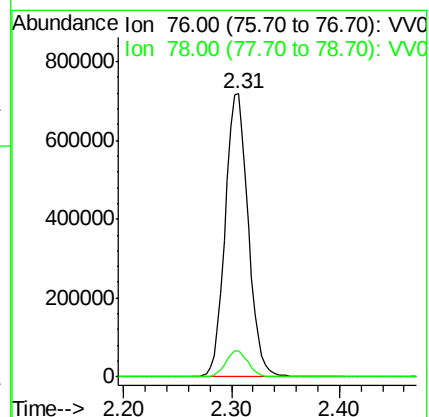
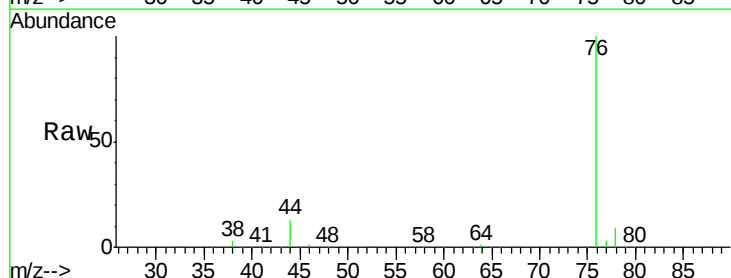
Acq: 11 Aug 2020 17:45

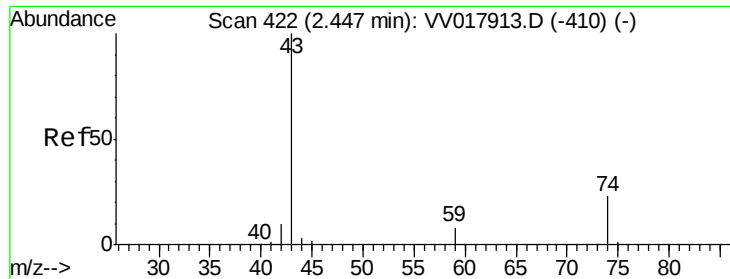
Tgt Ion: 76 Resp: 1065816

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

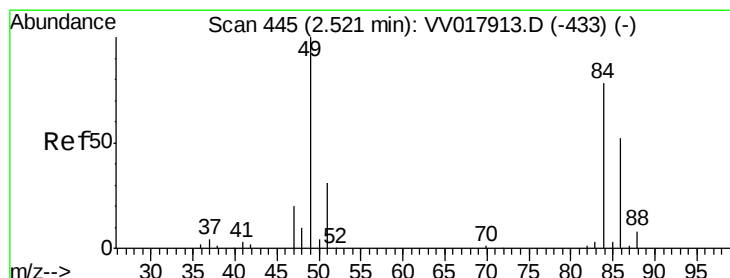
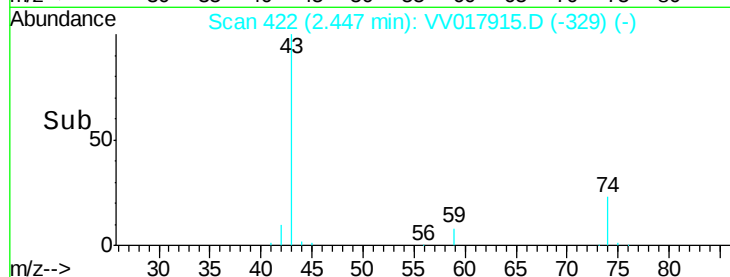
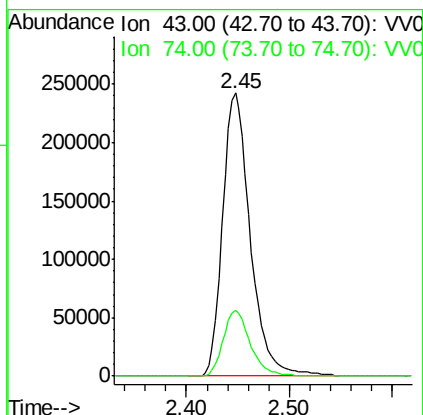
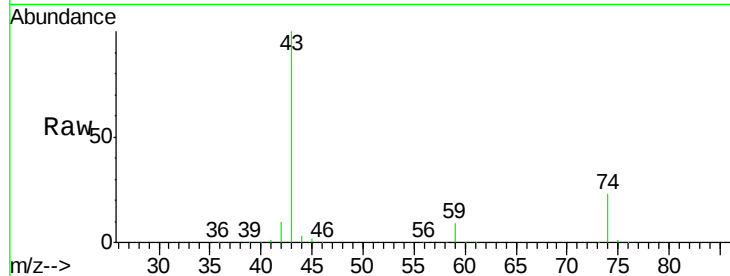




#15
Methyl Acetate
Concen: 292.189 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.00 min
Lab File: VV017915.D
Acq: 11 Aug 2020 17:45

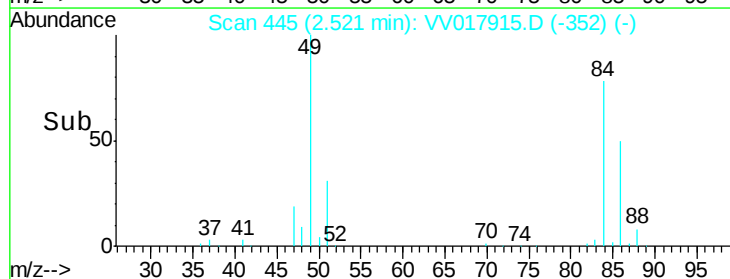
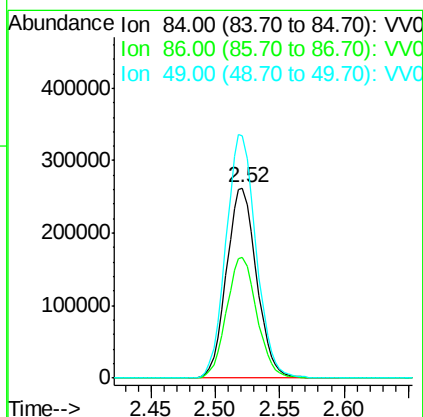
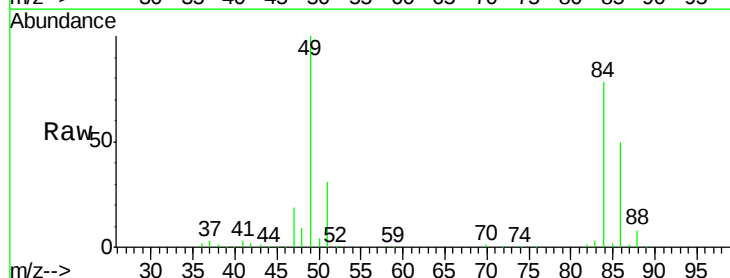
Instrument :
MSVOA_V
ClientSampled :
VSTD20061

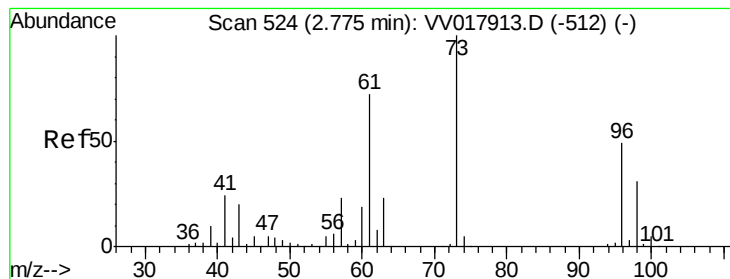
Tgt Ion: 43 Resp: 450981
Ion Ratio Lower Upper
43 100
74 22.8 18.4 27.6



#16
Methylene chloride
Concen: 225.848 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017915.D
Acq: 11 Aug 2020 17:45

Tgt Ion: 84 Resp: 425785
Ion Ratio Lower Upper
84 100
86 63.8 46.3 85.9
49 127.4 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 214.791 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

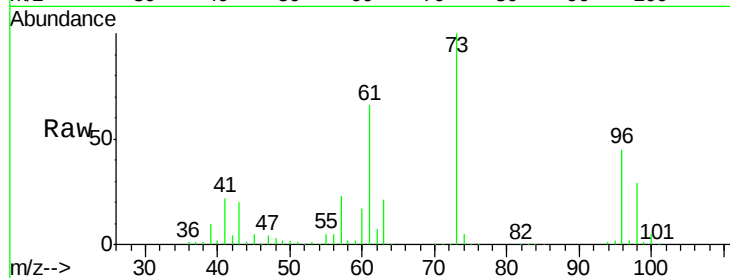
Tgt Ion: 96 Resp: 381236

Ion Ratio Lower Upper

96 100

61 146.5 102.4 190.2

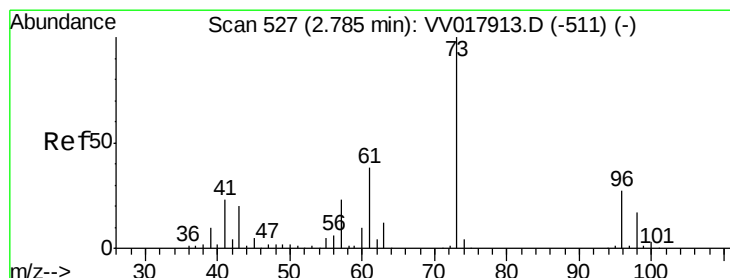
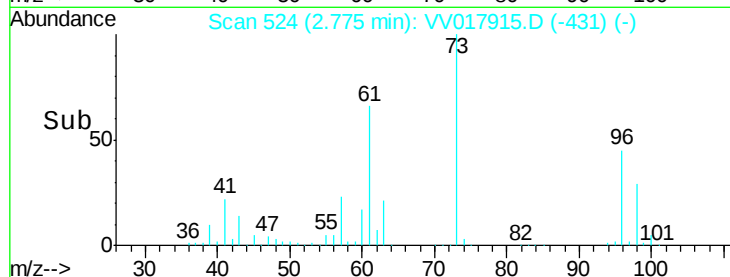
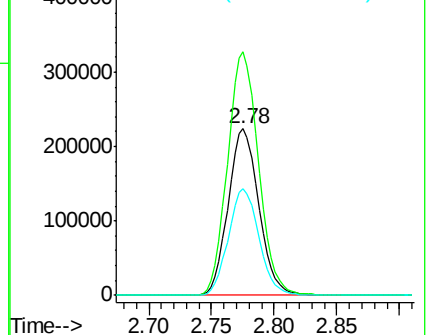
98 64.0 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 215.926 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

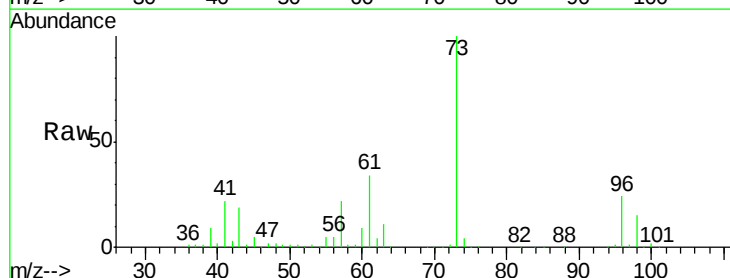
Tgt Ion: 73 Resp: 1303515

Ion Ratio Lower Upper

73 100

43 19.5 15.9 23.9

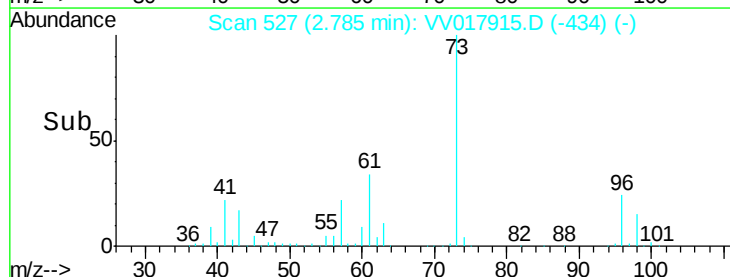
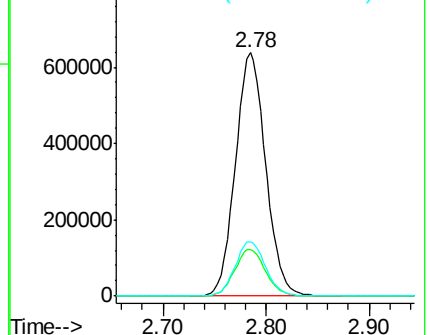
57 22.6 18.1 27.1

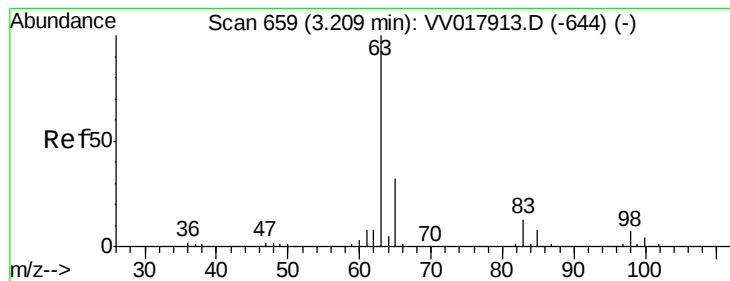


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 249.123 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

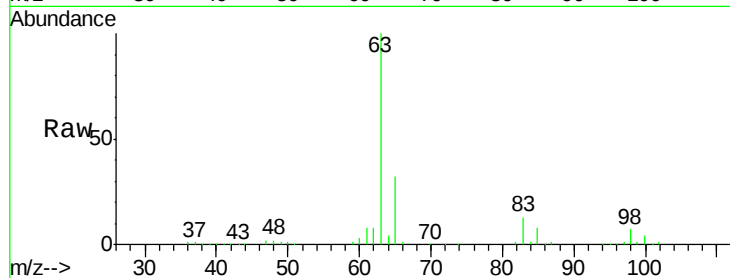
Tgt Ion: 63 Resp: 759114

Ion Ratio Lower Upper

63 100

65 31.8 22.5 41.7

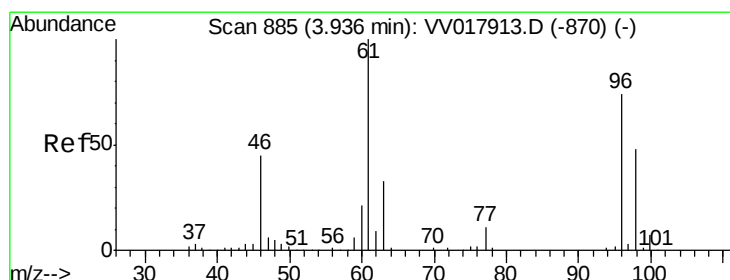
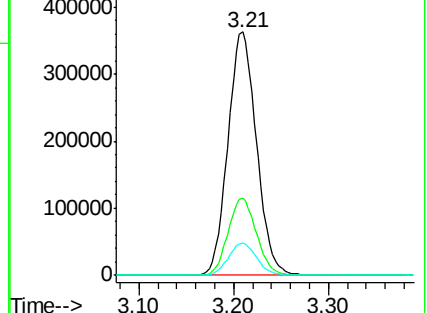
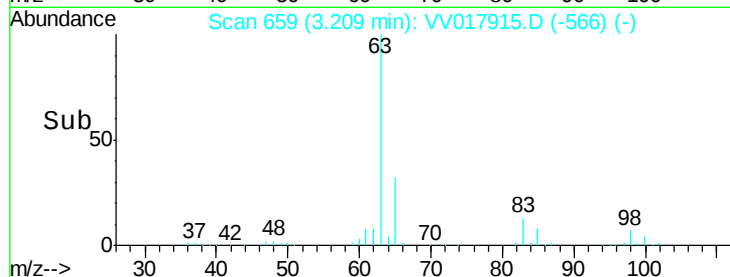
83 13.3 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV017915.D (-566) (-)

Ion 65.00 (64.70 to 65.70): VV017915.D (-566) (-)

Ion 83.00 (82.70 to 83.70): VV017915.D (-566) (-)



#20

cis-1,2-Dichloroethene

Concen: 226.249 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

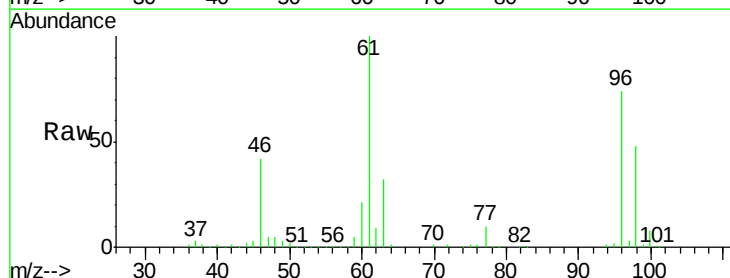
Tgt Ion: 96 Resp: 433142

Ion Ratio Lower Upper

96 100

61 134.3 95.0 176.4

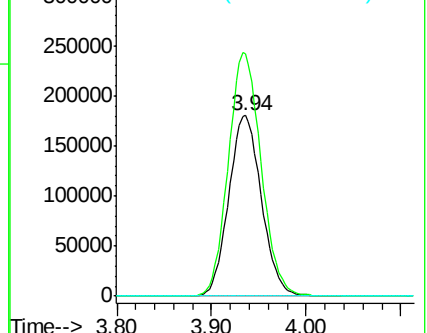
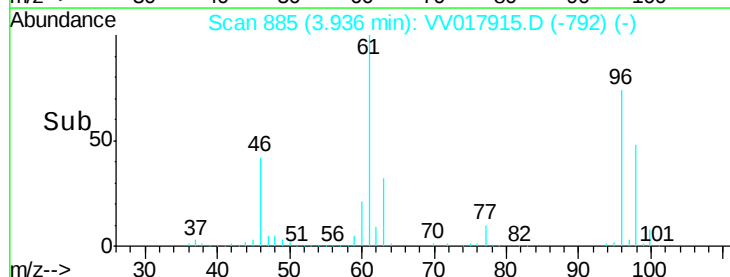
68 0.0 0.0 0.0

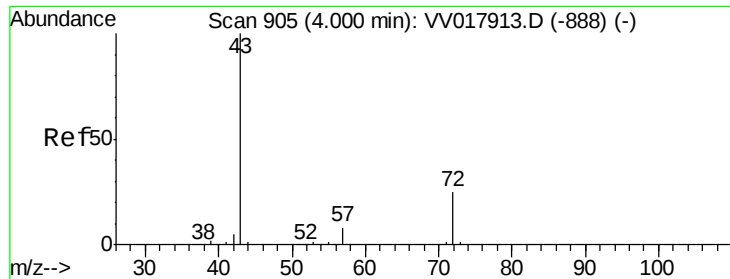


Abundance Ion 96.00 (95.70 to 96.70): VV017915.D (-792) (-)

Ion 61.00 (60.70 to 61.70): VV017915.D (-792) (-)

Ion 68.00 (67.70 to 68.70): VV017915.D (-792) (-)





#22

2-Butanone

Concen: 554.884 ug/L

RT: 3.99 min Scan# 903

Delta R.T. -0.01 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

Instrument :

MSVOA_V

ClientSampleId :

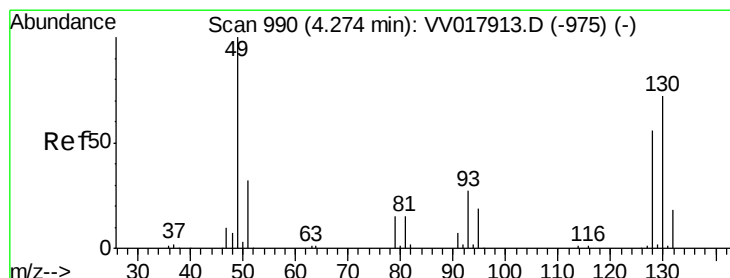
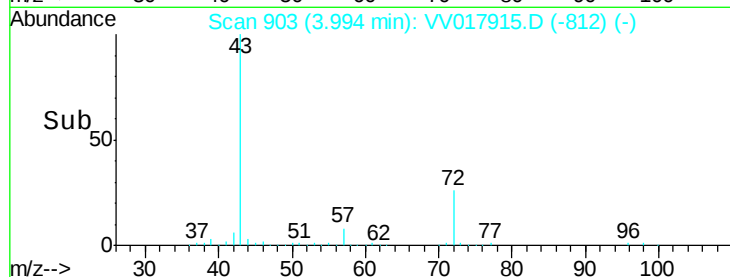
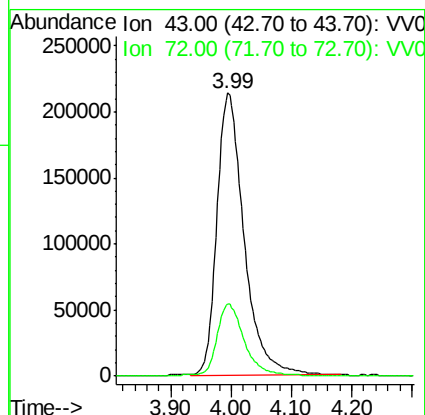
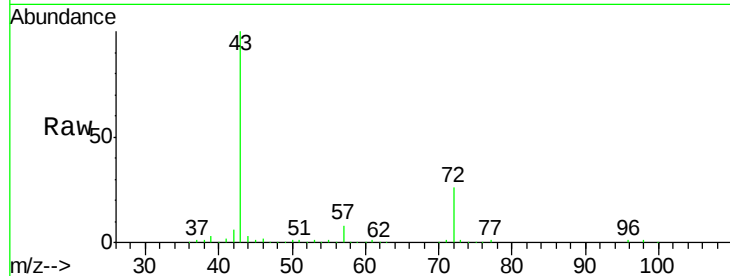
VSTD20061

Tgt Ion: 43 Resp: 665070

Ion Ratio Lower Upper

43 100

72 25.4 12.7 38.0



#23

Bromochloromethane

Concen: 195.752 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

Tgt Ion: 128 Resp: 217833

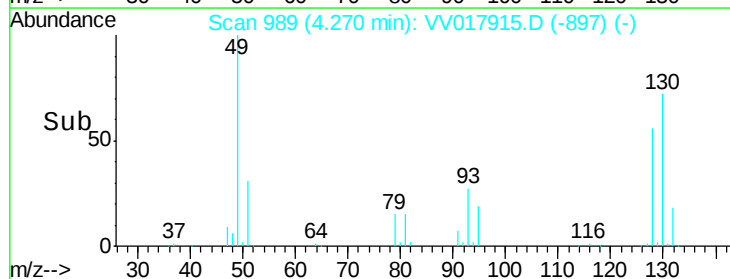
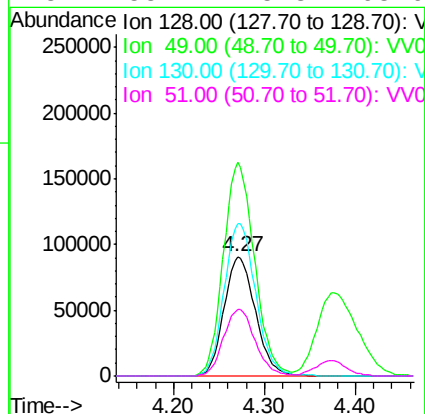
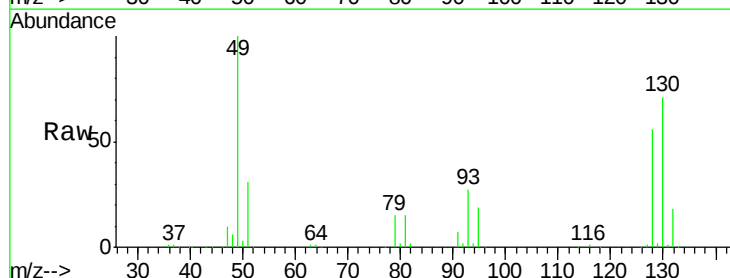
Ion Ratio Lower Upper

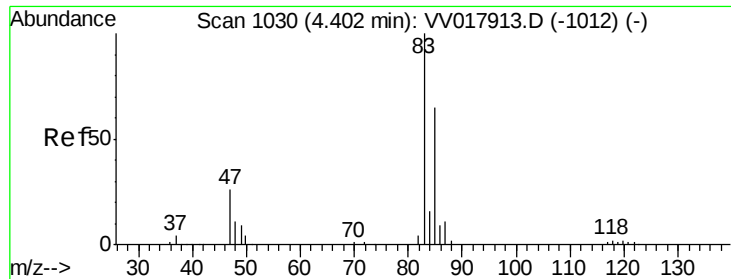
128 100

49 178.9 125.6 233.3

130 127.9 89.9 167.0

51 55.7 45.8 68.6

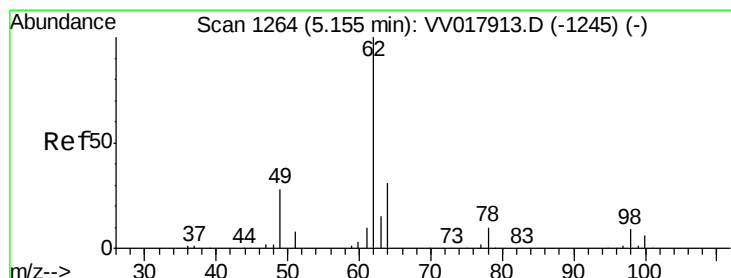
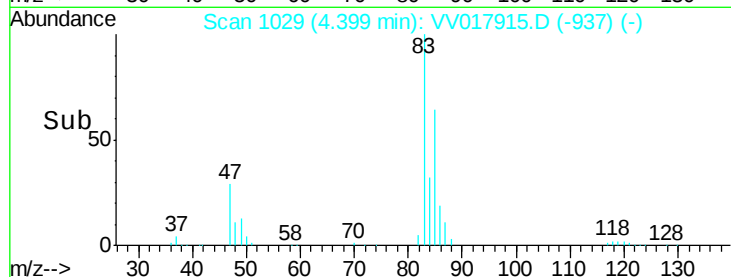
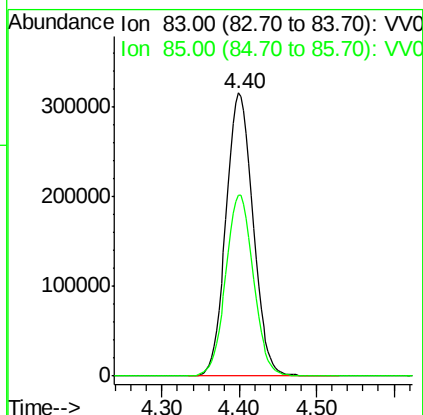
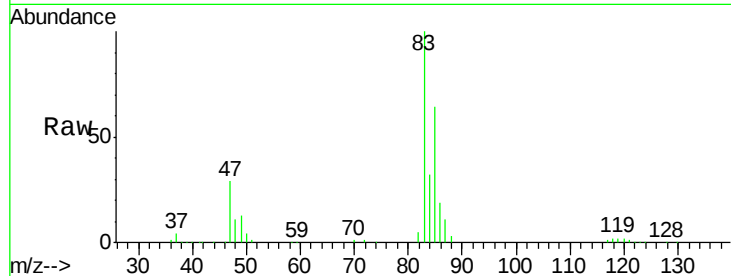




#25
Chloroform
Concen: 206.098 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017915.D
Acq: 11 Aug 2020 17:45

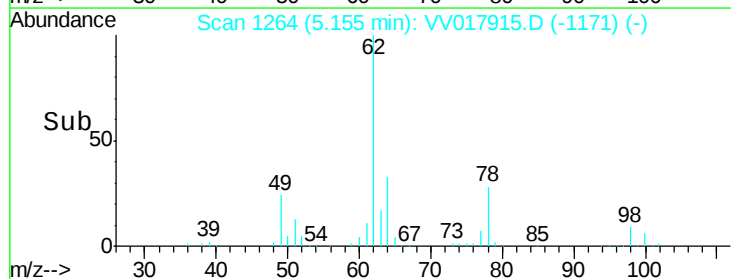
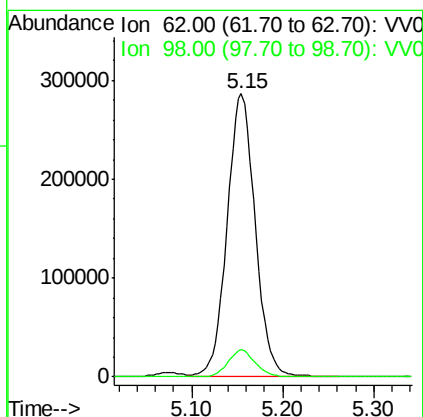
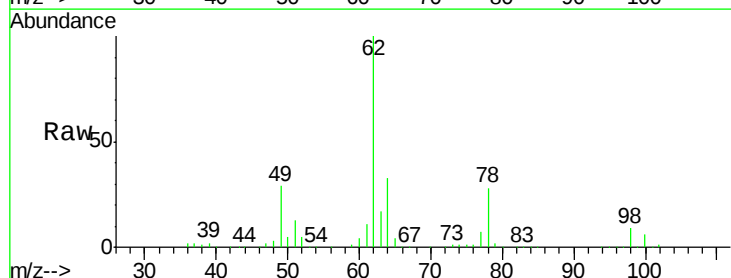
Instrument :
MSVOA_V
ClientSampleId :
VSTD20061

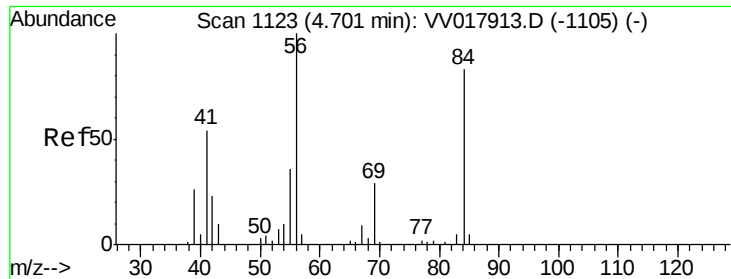
Tgt Ion: 83 Resp: 765153
Ion Ratio Lower Upper
83 100
85 64.1 45.5 84.5



#27
1,2-Dichloroethane
Concen: 186.575 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV017915.D
Acq: 11 Aug 2020 17:45

Tgt Ion: 62 Resp: 613269
Ion Ratio Lower Upper
62 100
98 9.5 7.1 10.7

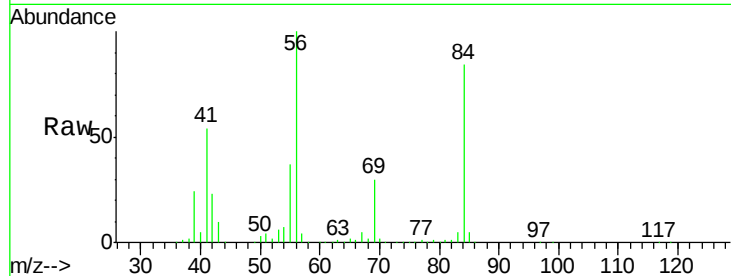




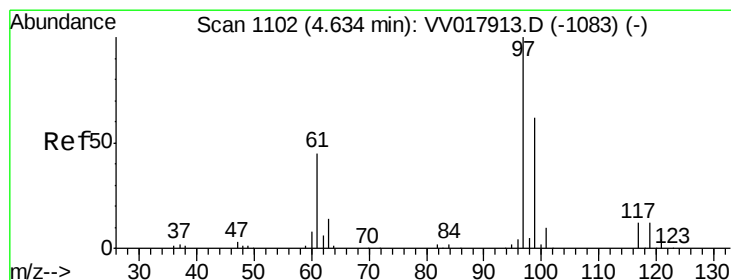
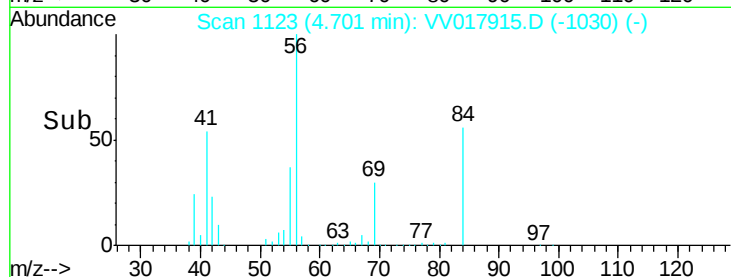
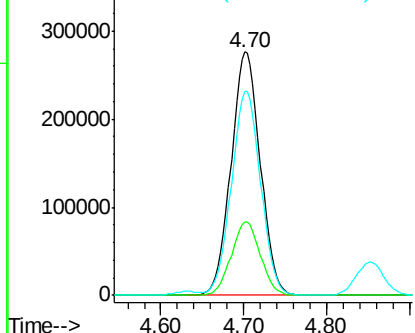
#29
Cyclohexane
Concen: 271.104 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV017915.D
Acq: 11 Aug 2020 17:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD20061

Tgt Ion: 56 Resp: 677246
Ion Ratio Lower Upper
56 100
69 30.2 23.8 35.8
84 84.1 66.8 100.2

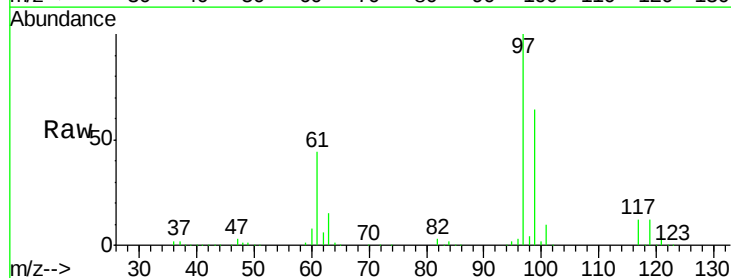


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

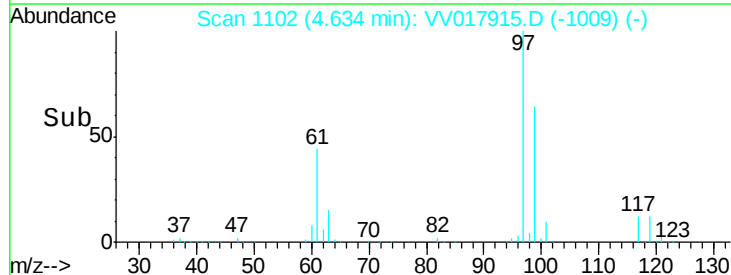
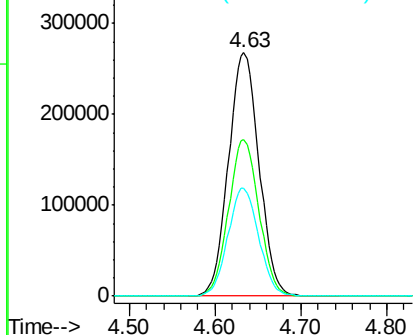


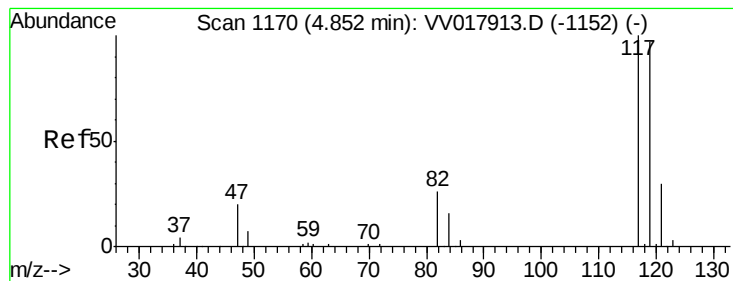
#30
1,1,1-Trichloroethane
Concen: 170.874 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV017915.D
Acq: 11 Aug 2020 17:45

Tgt Ion: 97 Resp: 661218
Ion Ratio Lower Upper
97 100
99 64.0 50.6 76.0
61 44.8 37.0 55.6



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 165.064 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

Instrument :

MSVOA_V

ClientSampleId :

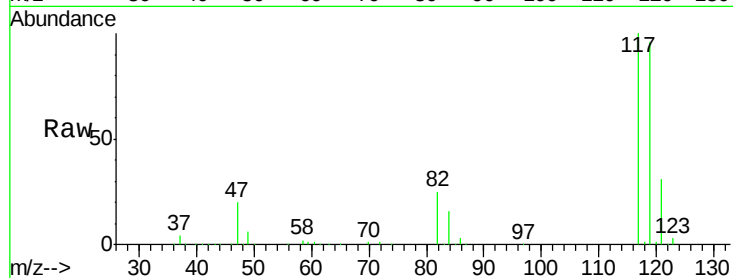
VSTD20061

Tgt Ion:117 Resp: 562417

Ion Ratio Lower Upper

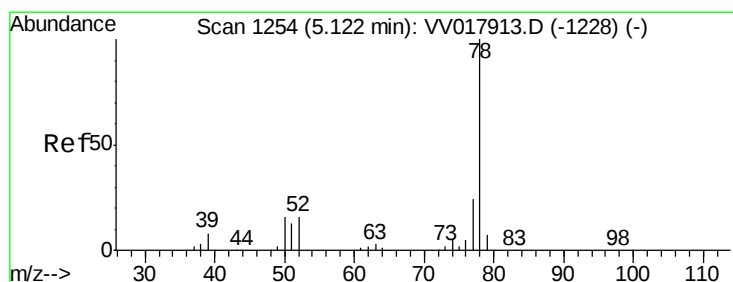
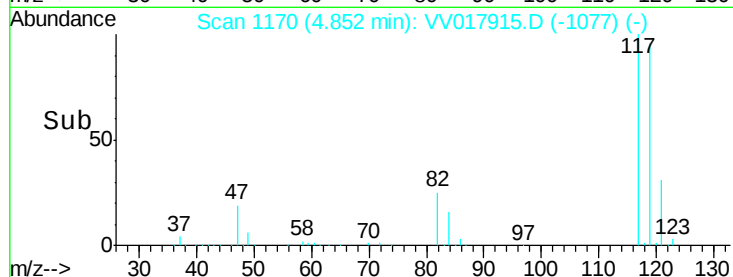
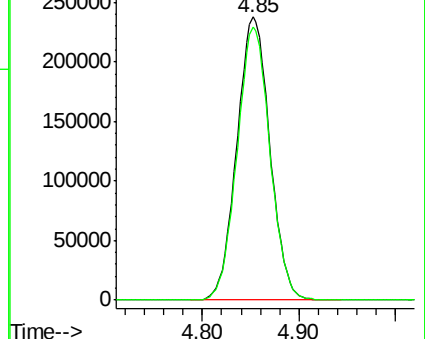
117 100

119 96.2 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: 232.416 ug/L

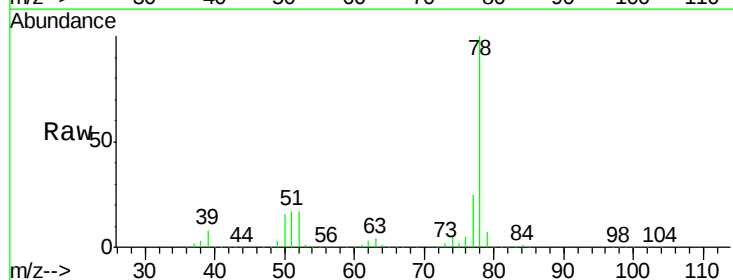
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

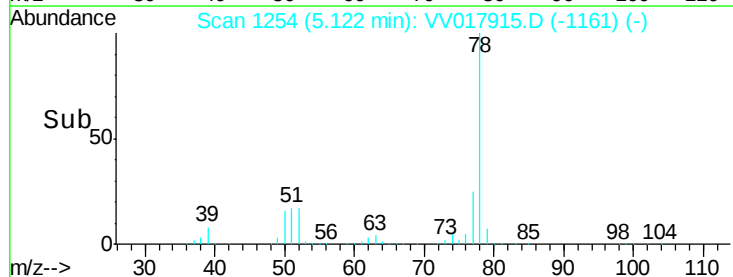
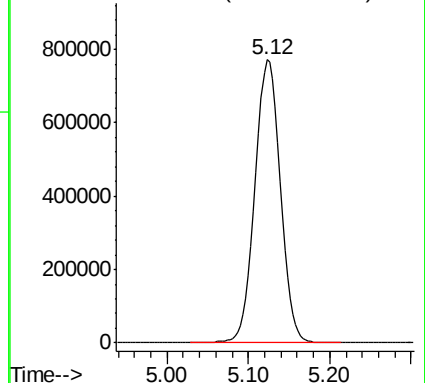
Lab File: VV017915.D

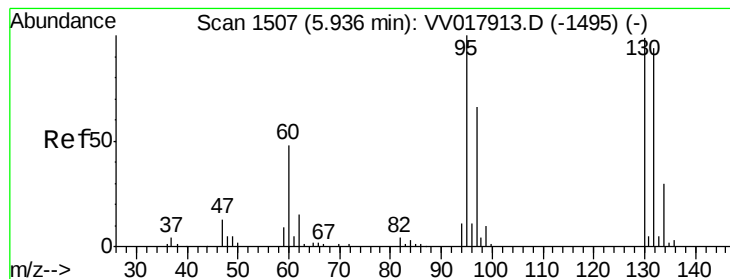
Acq: 11 Aug 2020 17:45

Tgt Ion: 78 Resp: 1658553



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 206.512 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

Tgt Ion: 95 Resp: 427738

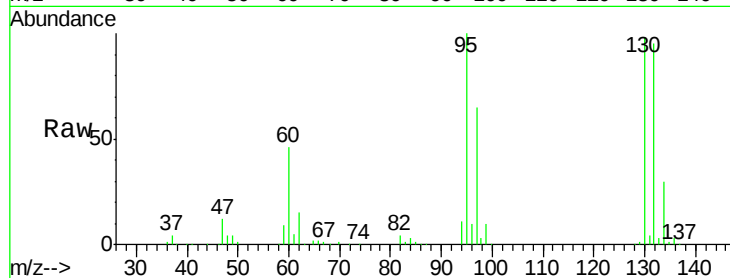
Ion Ratio Lower Upper

95 100

97 64.8 46.0 85.4

132 94.6 65.8 122.2

130 98.5 69.2 128.6

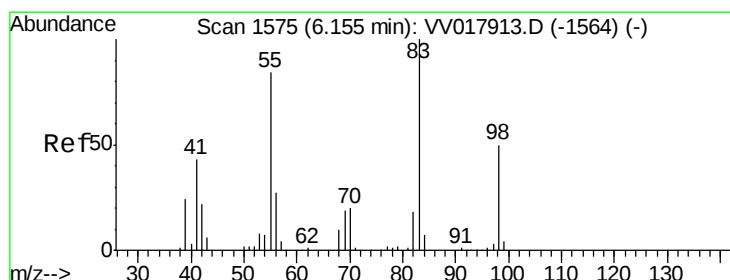
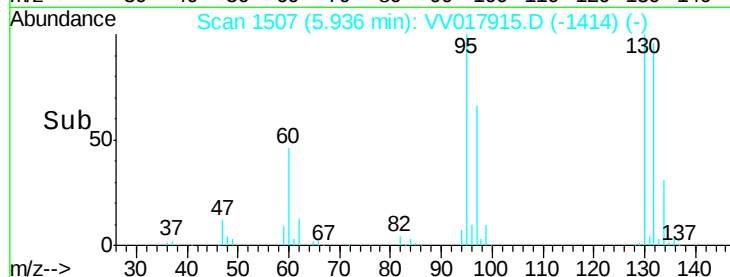
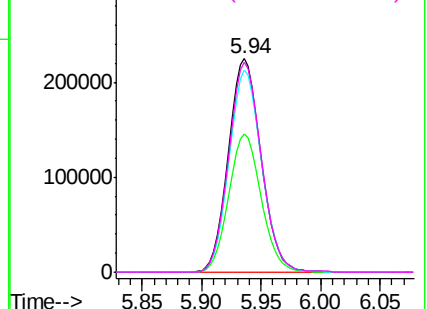


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 228.737 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

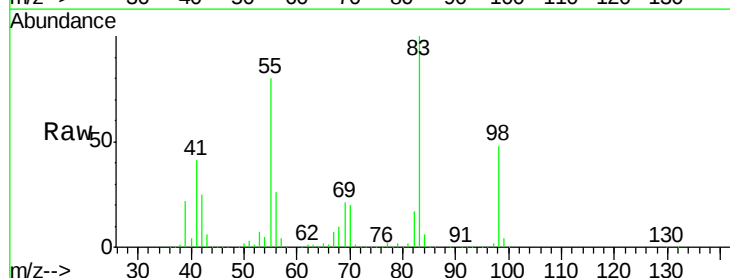
Tgt Ion: 83 Resp: 680417

Ion Ratio Lower Upper

83 100

55 79.1 64.9 97.3

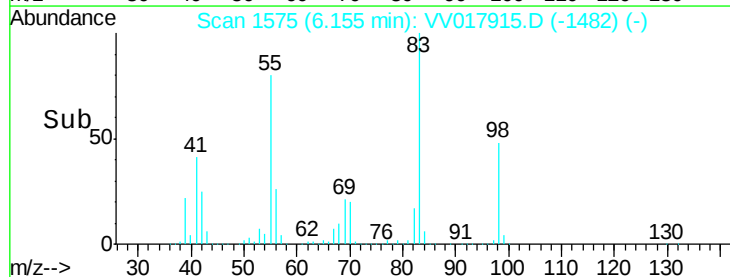
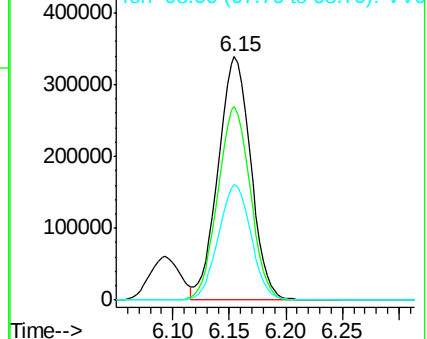
98 47.7 38.7 58.1

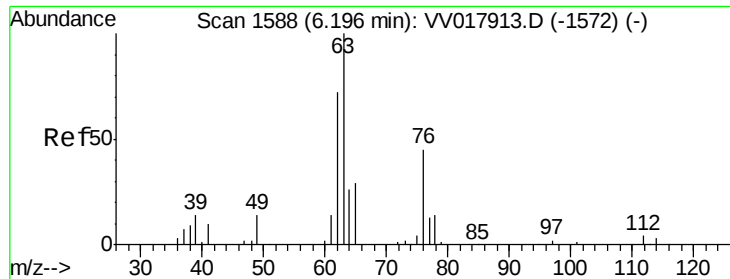


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

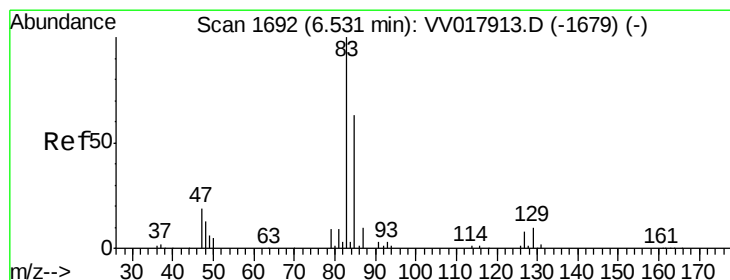
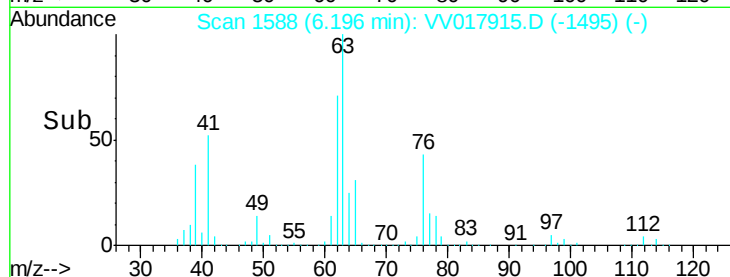
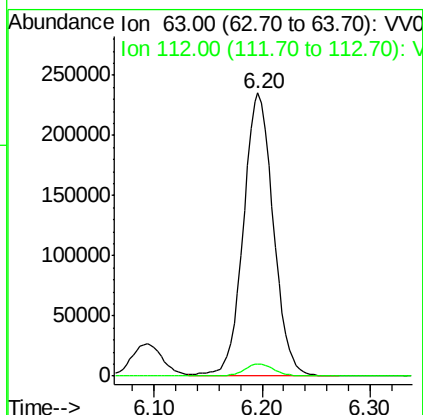
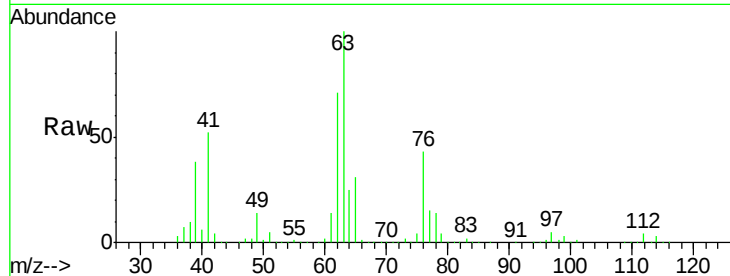




#37
 1,2-Dichloropropane
 Concen: 272.395 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV017915.D
 Acq: 11 Aug 2020 17:45

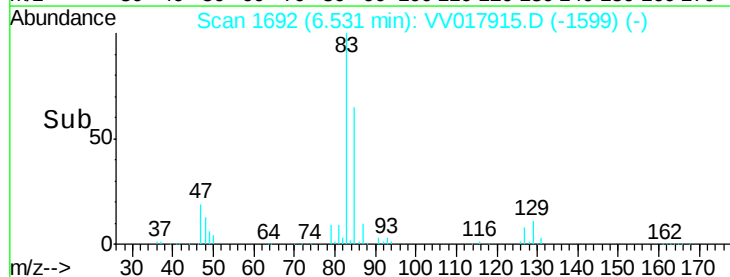
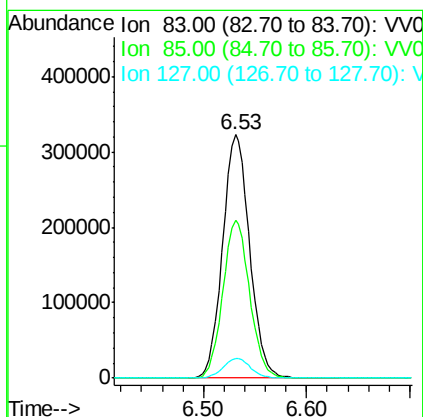
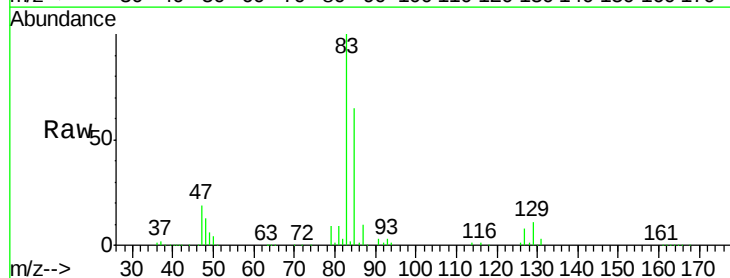
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20061

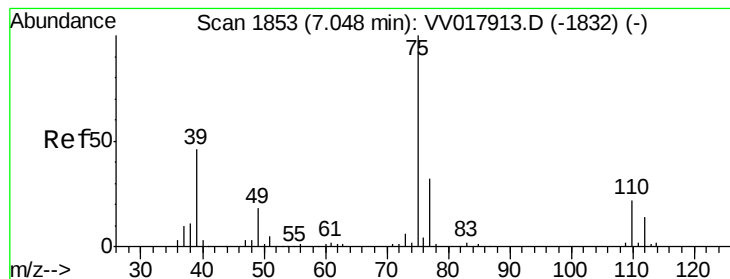
Tgt Ion: 63 Resp: 452702
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#38
 Bromodichloromethane
 Concen: 216.533 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV017915.D
 Acq: 11 Aug 2020 17:45

Tgt Ion: 83 Resp: 588609
 Ion Ratio Lower Upper
 83 100
 85 64.9 44.3 82.3
 127 8.2 6.5 9.7



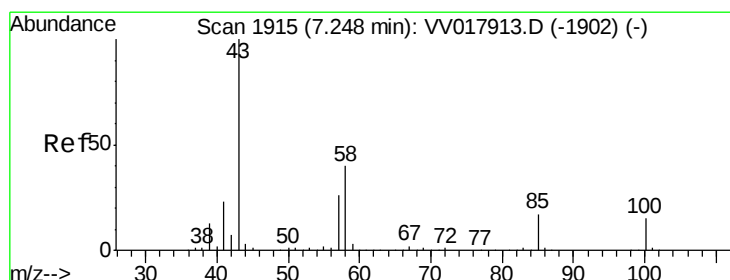
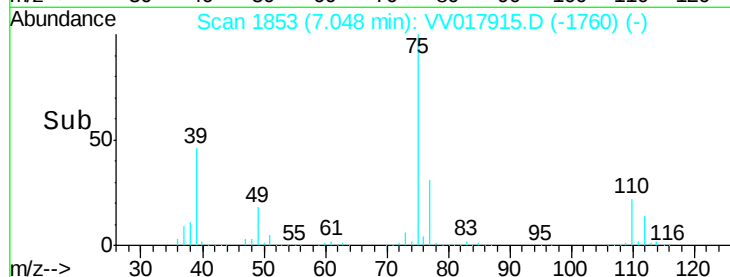
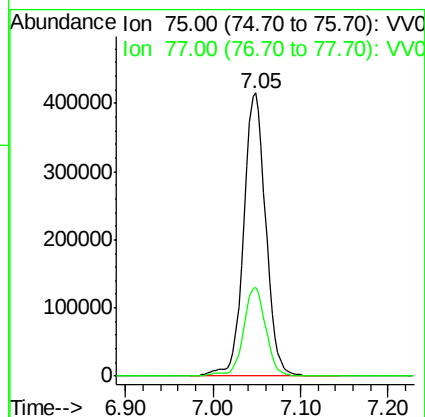
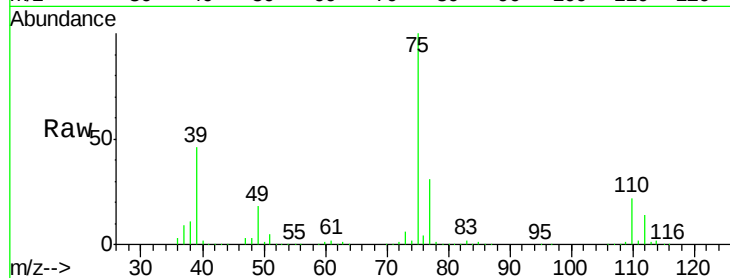


#39

cis-1,3-Dichloropropene
Concen: 270.124 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV017915.D
Acq: 11 Aug 2020 17:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD20061

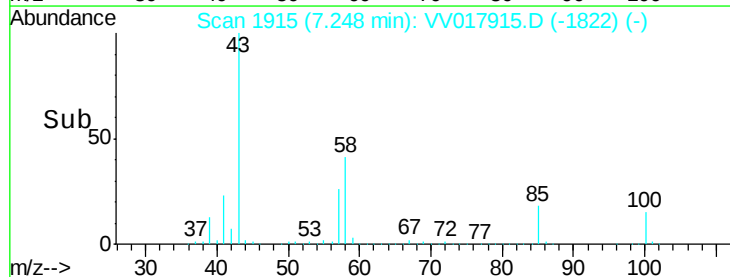
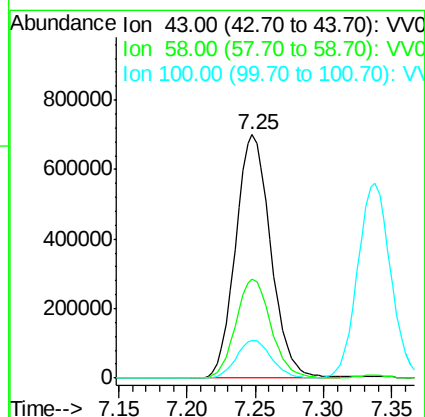
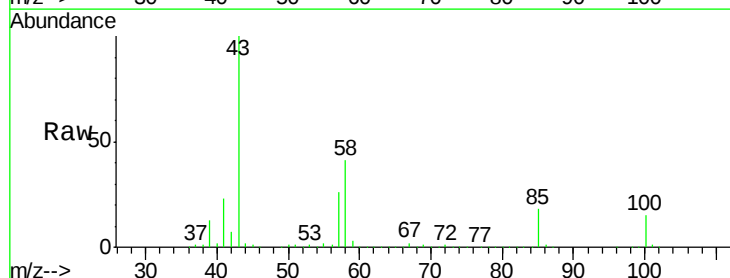
Tgt Ion: 75 Resp: 729431
Ion Ratio Lower Upper
75 100
77 31.5 22.3 41.5

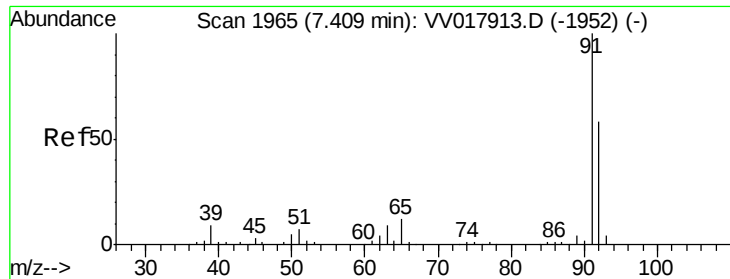


#40

4-Methyl-2-pentanone
Concen: 571.780 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VV017915.D
Acq: 11 Aug 2020 17:45

Tgt Ion: 43 Resp: 1252105
Ion Ratio Lower Upper
43 100
58 40.8 31.9 47.9
100 15.6 12.2 18.2





#42

Toluene

Concen: 220.049 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

Instrument :

MSVOA_V

ClientSampleId :

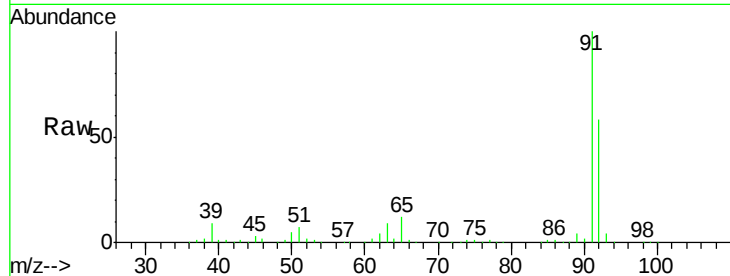
VSTD20061

Tgt Ion: 91 Resp: 1783356

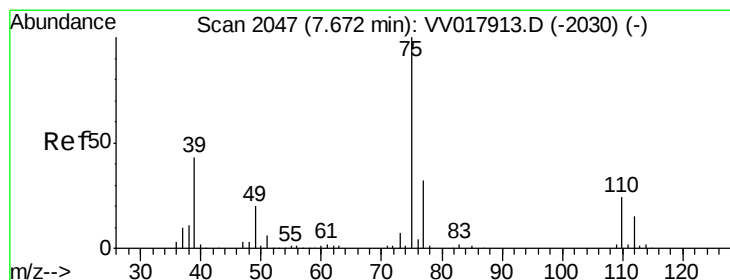
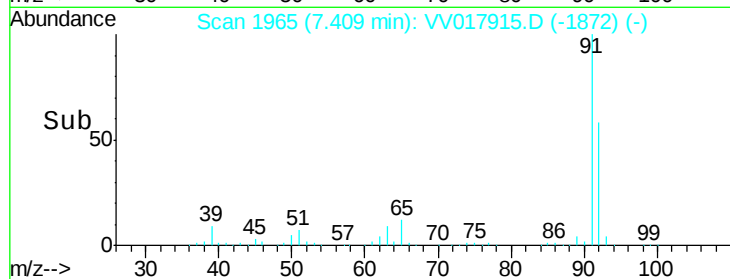
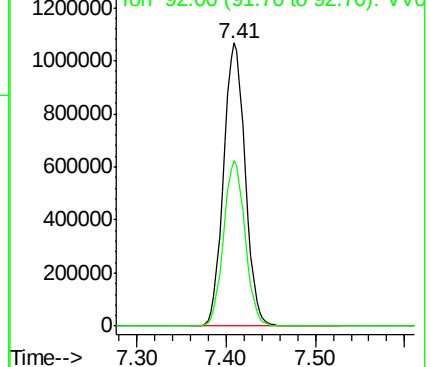
Ion Ratio Lower Upper

91 100

92 58.4 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV017915.D (-1872) (-)



#44

trans-1,3-Dichloropropene

Concen: 255.052 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV017915.D

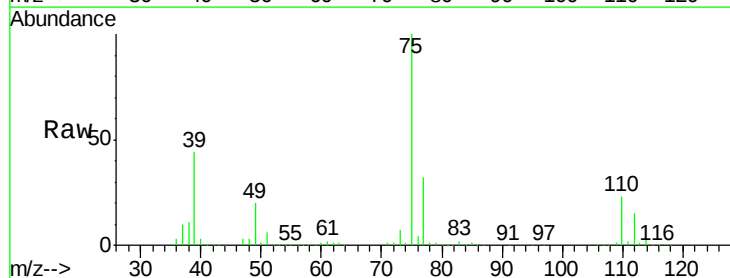
Acq: 11 Aug 2020 17:45

Tgt Ion: 75 Resp: 703109

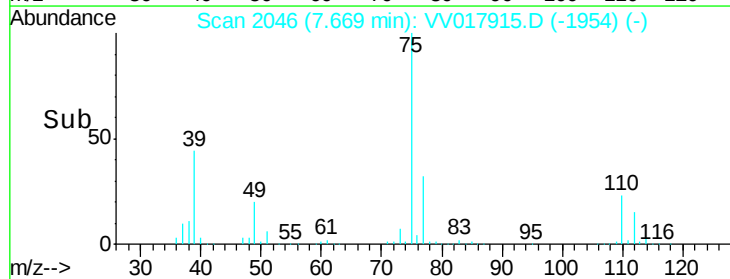
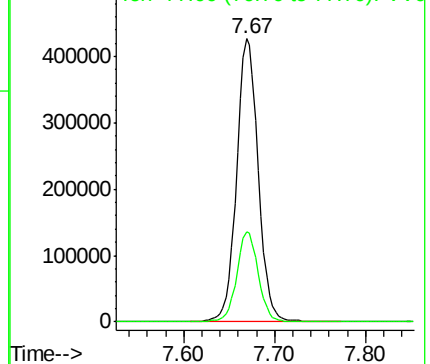
Ion Ratio Lower Upper

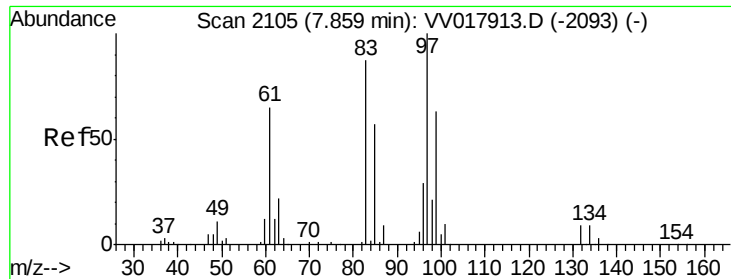
75 100

77 31.9 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV017915.D (-1954) (-)

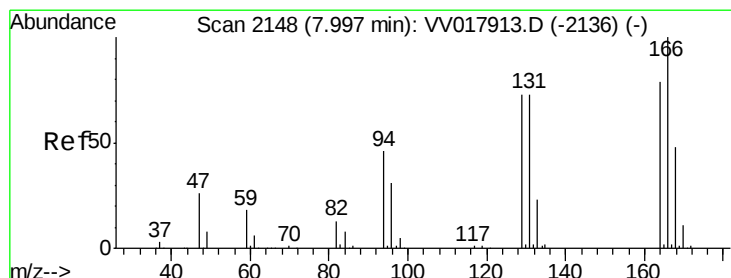
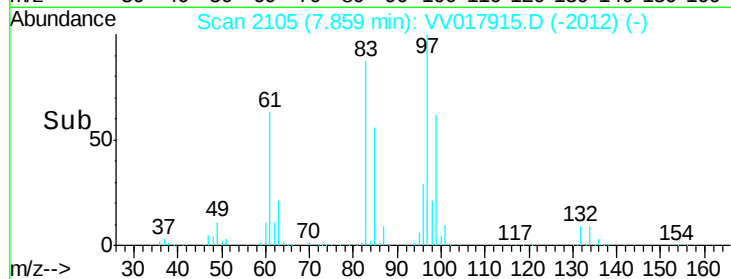
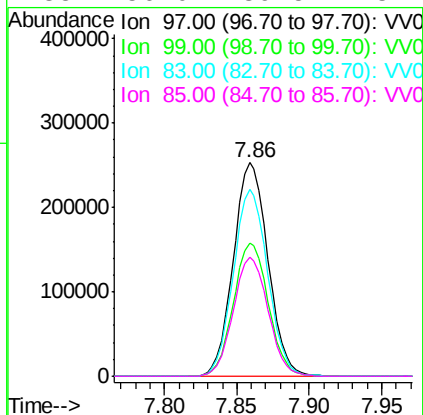
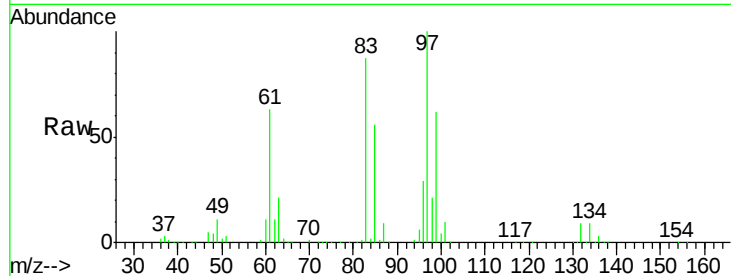




#45
 1,1,2-Trichloroethane
 Concen: 217.173 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV017915.D
 Acq: 11 Aug 2020 17:45

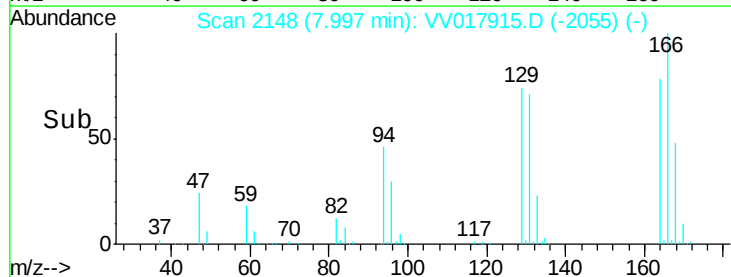
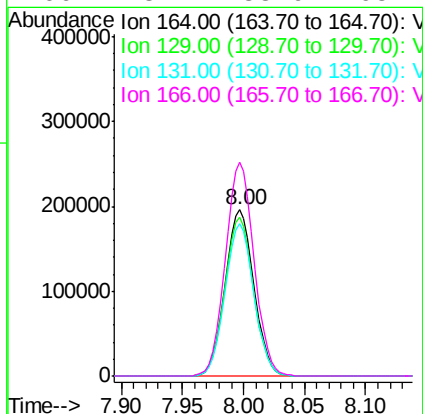
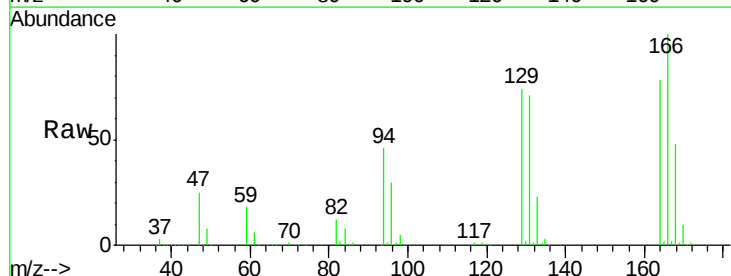
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20061

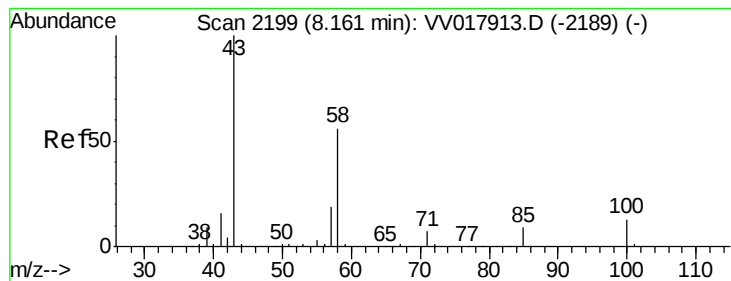
Tgt Ion:	97	Resp:	419185
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.2	82.2
83	87.3	61.0	113.4
85	56.0	39.5	73.4



#46
 Tetrachloroethene
 Concen: 175.255 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV017915.D
 Acq: 11 Aug 2020 17:45

Tgt Ion:	164	Resp:	324683
Ion	Ratio	Lower	Upper
164	100		
129	95.3	64.8	120.3
131	91.6	64.5	119.9
166	128.7	88.9	165.1





#48

2-Hexanone

Concen: 542.065 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

Tgt Ion: 43 Resp: 990932

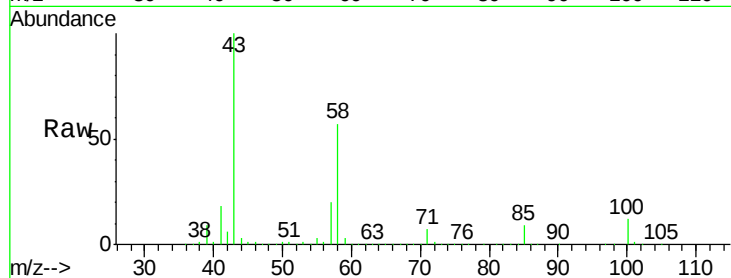
Ion Ratio Lower Upper

43 100

58 56.5 44.4 66.6

57 19.6 15.2 22.8

100 12.3 9.8 14.6

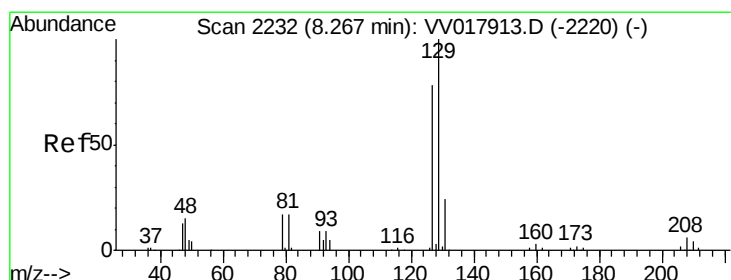
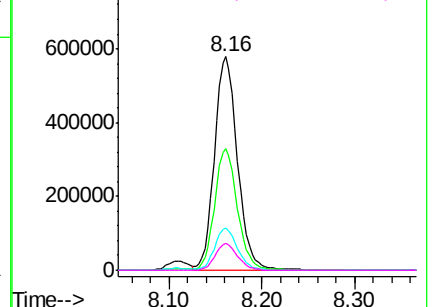
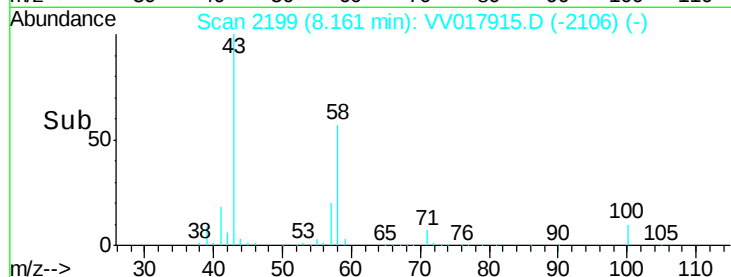


Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 221.799 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV017915.D

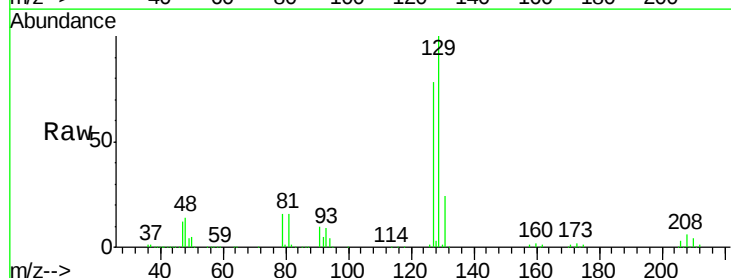
Acq: 11 Aug 2020 17:45

Tgt Ion: 129 Resp: 459122

Ion Ratio Lower Upper

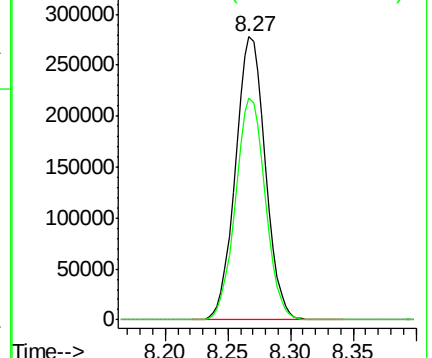
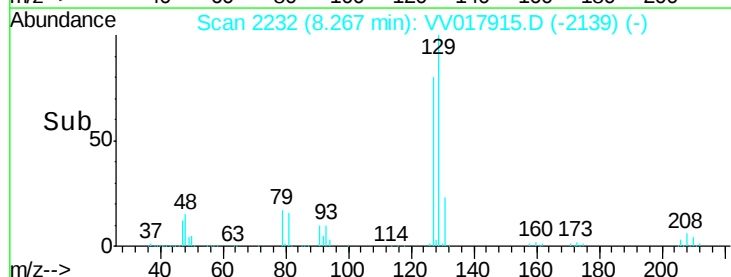
129 100

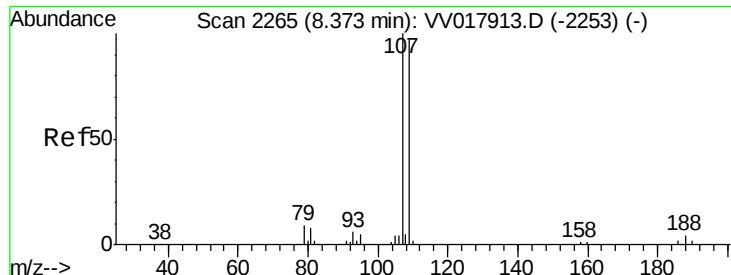
127 78.3 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

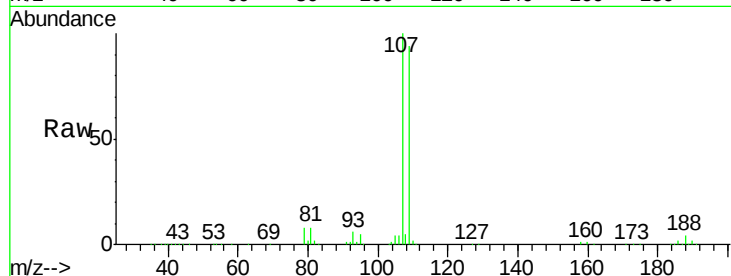




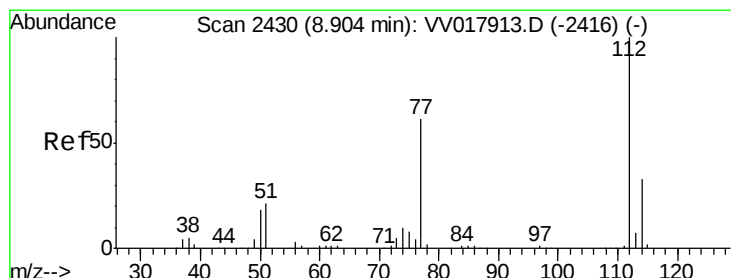
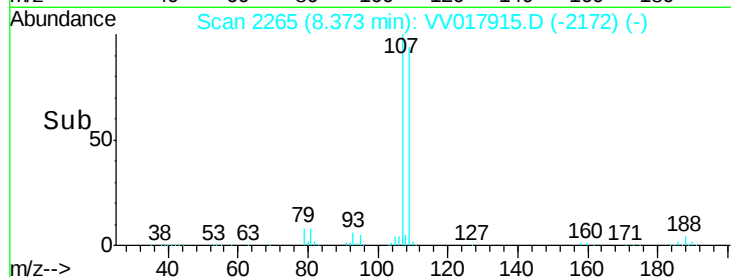
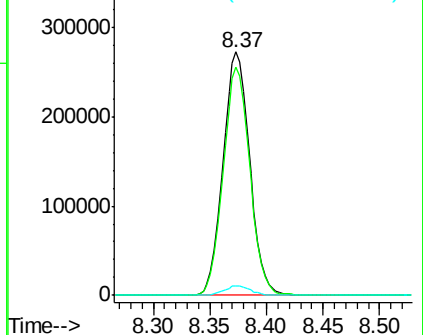
#50
1,2-Dibromoethane
Concen: 214.005 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV017915.D
Acq: 11 Aug 2020 17:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD20061

Tgt Ion:107 Resp: 446951
Ion Ratio Lower Upper
107 100
109 93.6 67.5 125.4
188 3.9 3.4 5.0

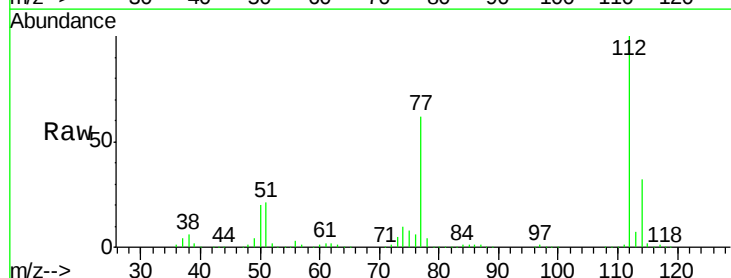


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

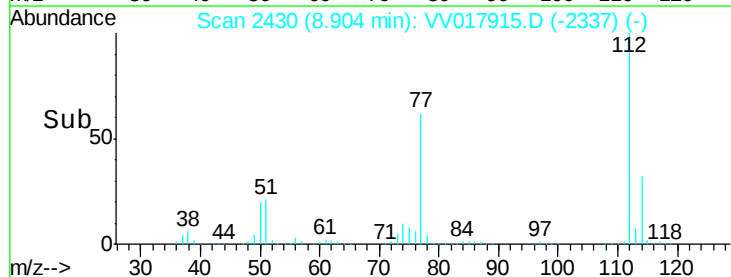
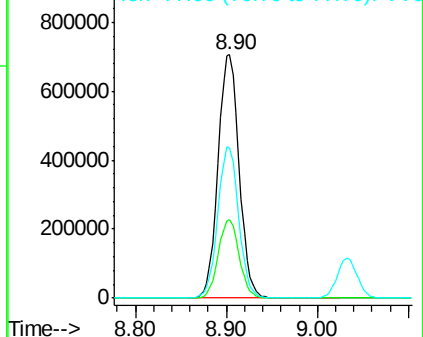


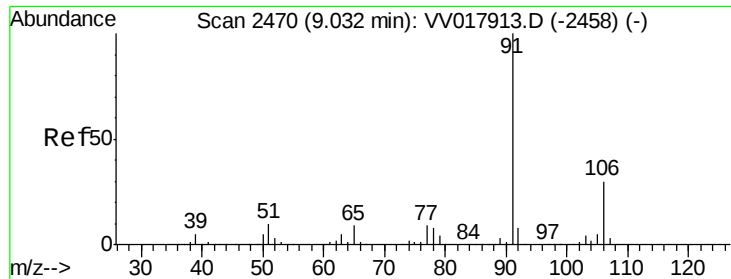
#51
Chlorobenzene
Concen: 206.029 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV017915.D
Acq: 11 Aug 2020 17:45

Tgt Ion:112 Resp: 1132969
Ion Ratio Lower Upper
112 100
114 32.0 22.7 42.3
77 61.8 49.4 74.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 220.008 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

Instrument :

MSVOA_V

ClientSampleId :

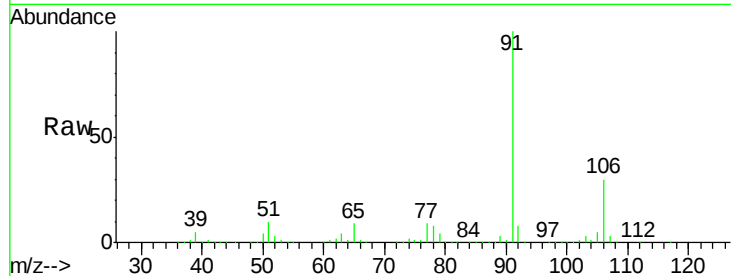
VSTD20061

Tgt Ion: 91 Resp: 2014856

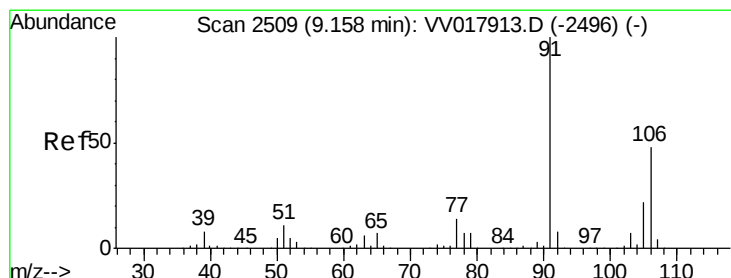
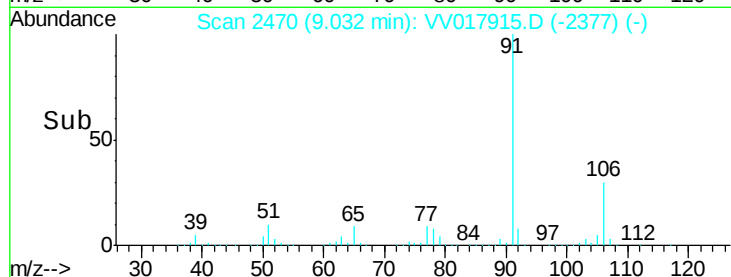
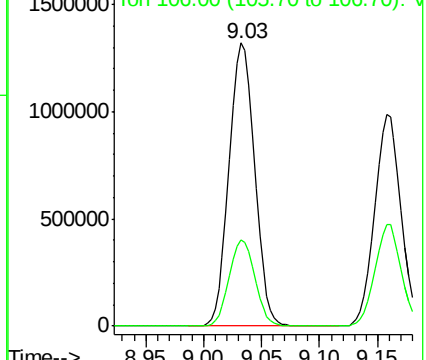
Ion Ratio Lower Upper

91 100

106 30.3 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV017915.D (-2458) (-)



#53

m,p-Xylene

Concen: 213.179 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017915.D

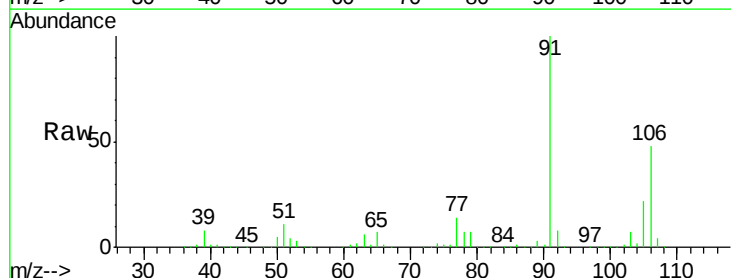
Acq: 11 Aug 2020 17:45

Tgt Ion: 106 Resp: 753711

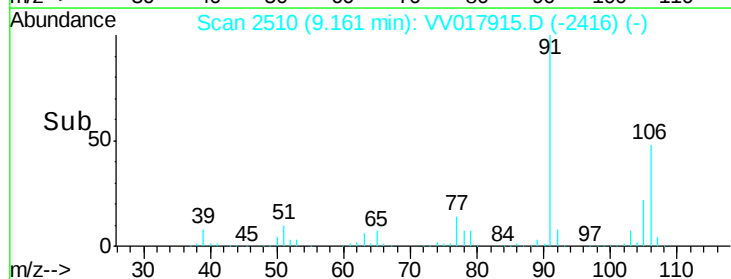
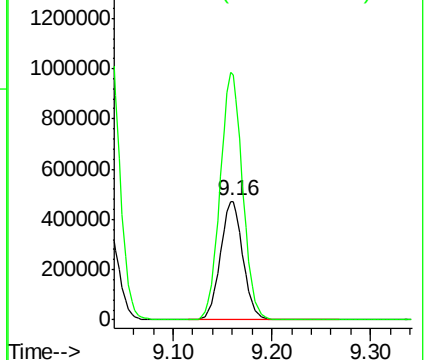
Ion Ratio Lower Upper

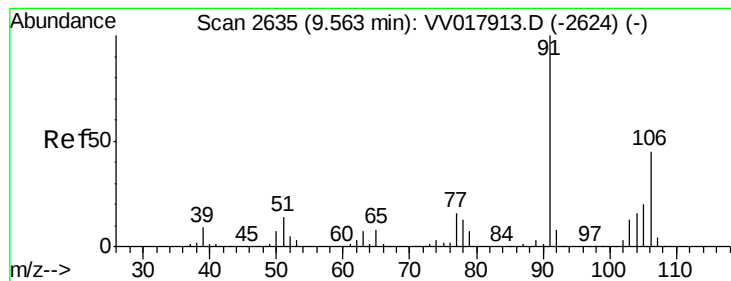
106 100

91 206.6 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV017915.D (-2496) (-)





#54

o-xylene

Concen: 214.829 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

Instrument :

MSVOA_V

ClientSampleId :

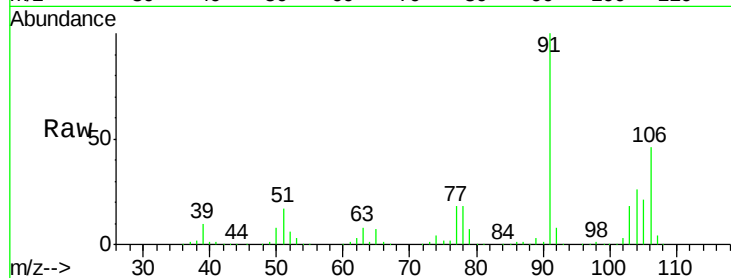
VSTD20061

Tgt Ion:106 Resp: 745898

Ion Ratio Lower Upper

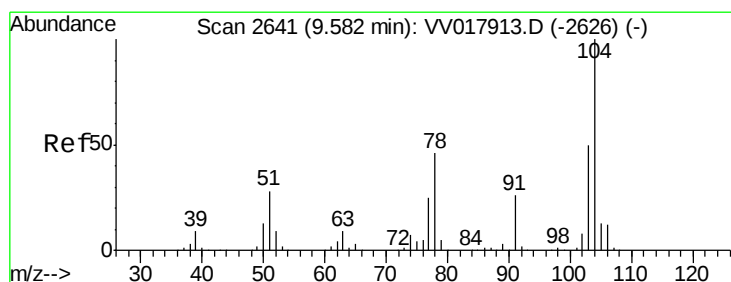
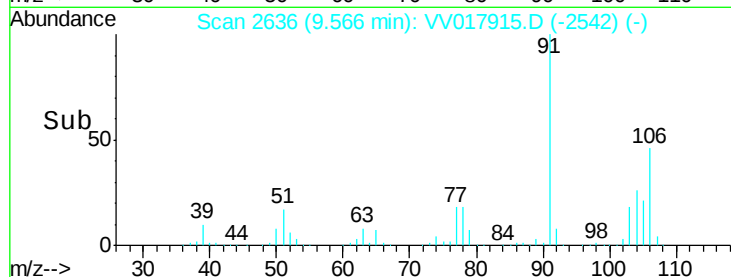
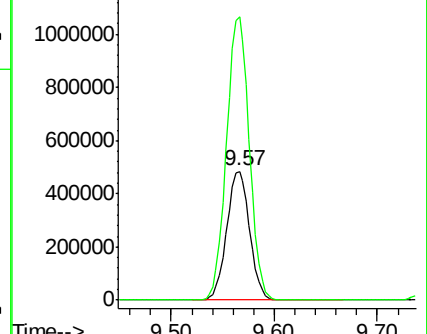
106 100

91 219.3 156.0 289.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 221.304 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV017915.D

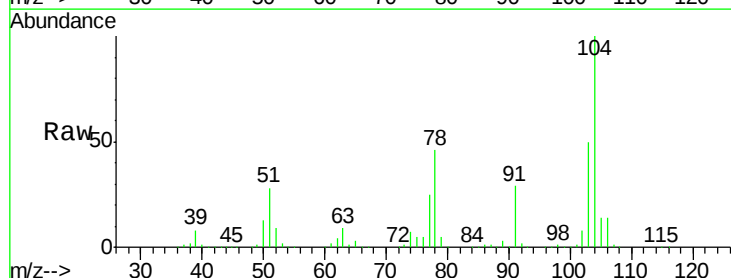
Acq: 11 Aug 2020 17:45

Tgt Ion:104 Resp: 1325242

Ion Ratio Lower Upper

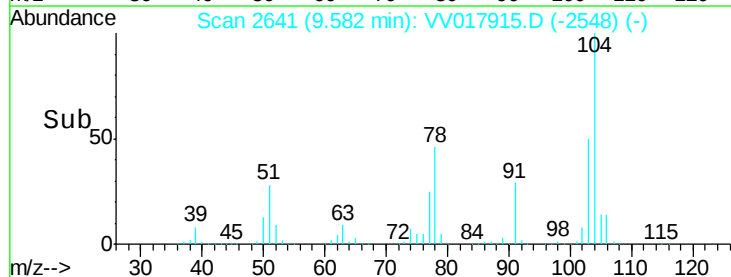
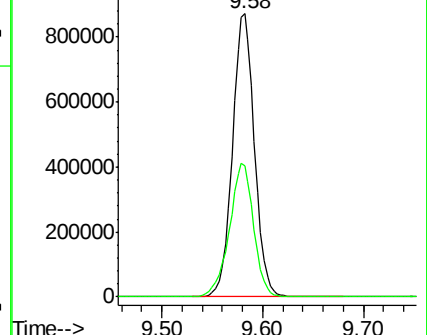
104 100

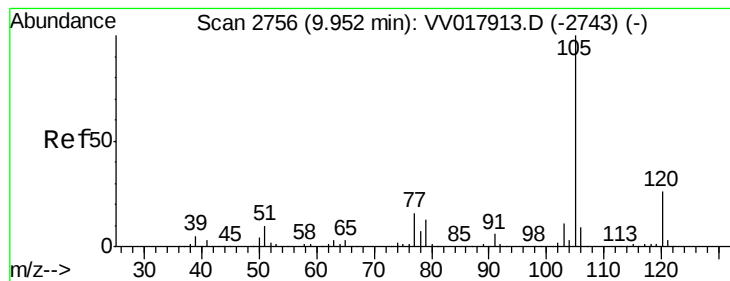
78 46.1 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 208.797 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

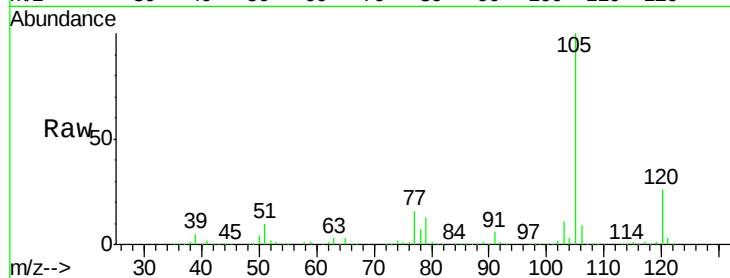
Tgt Ion:105 Resp: 1983177

Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0

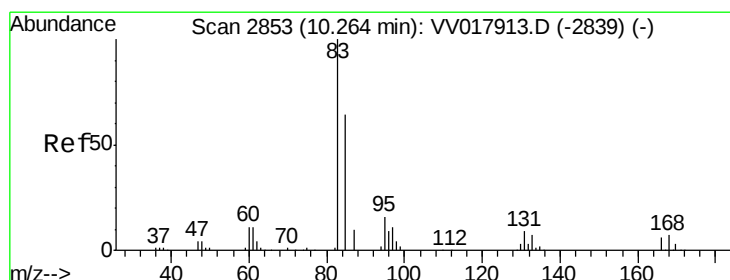
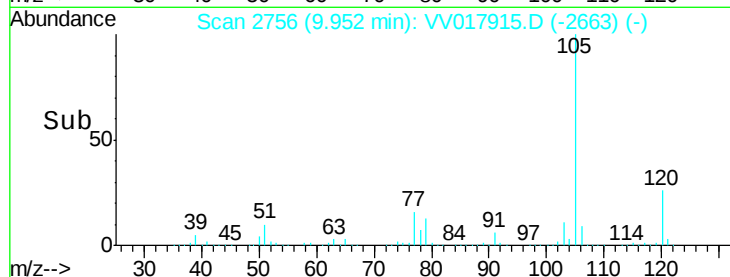
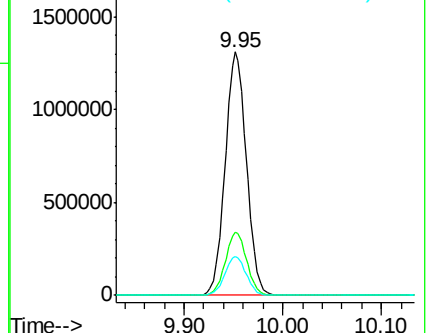
77 16.1 13.1 19.7



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: 258.984 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

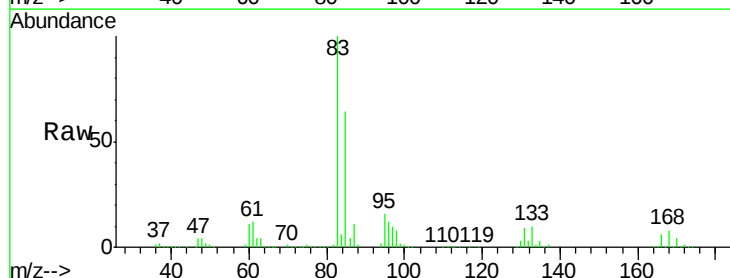
Tgt Ion: 83 Resp: 697864

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

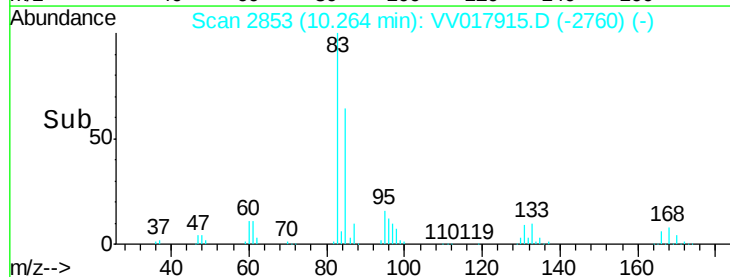
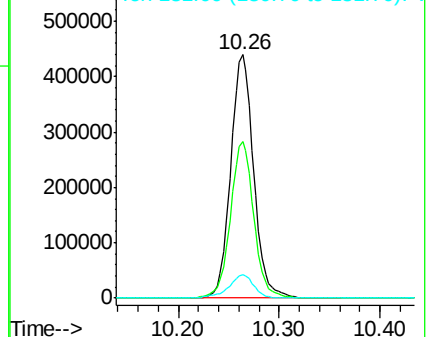
131 9.5 7.8 11.6

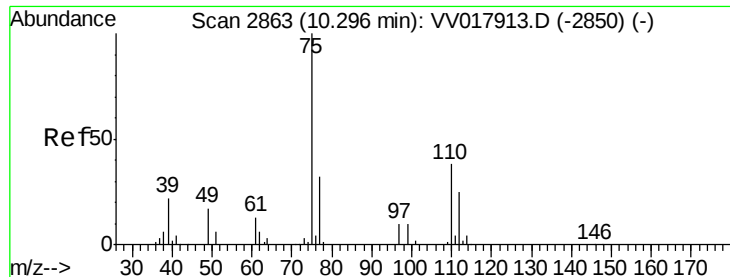


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 235.730 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

Instrument :

MSVOA_V

ClientSampleId :

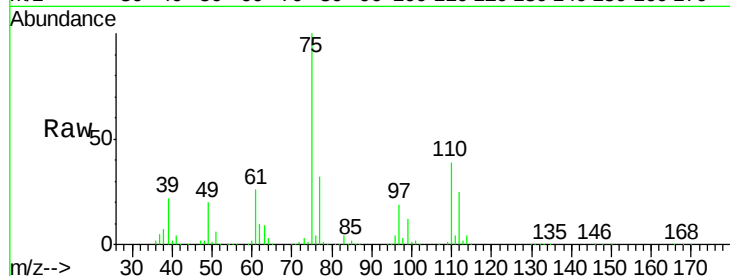
VSTD20061

Tgt Ion: 75 Resp: 568608

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



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

Ion 77.00 (76.70 to 77.70): VV017913.D (-2850) (-)

10.30

400000

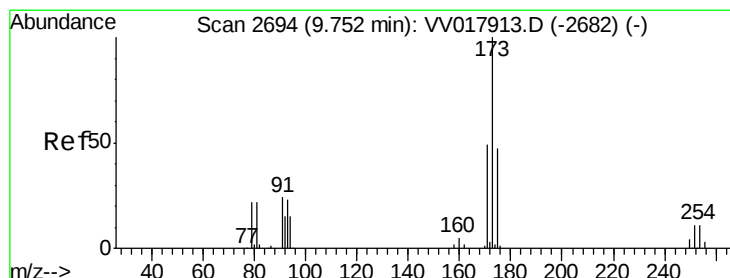
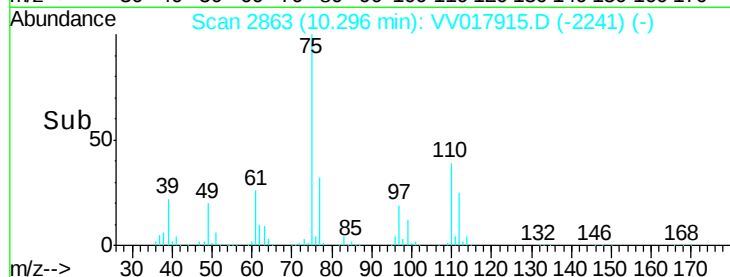
300000

200000

100000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 244.725 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

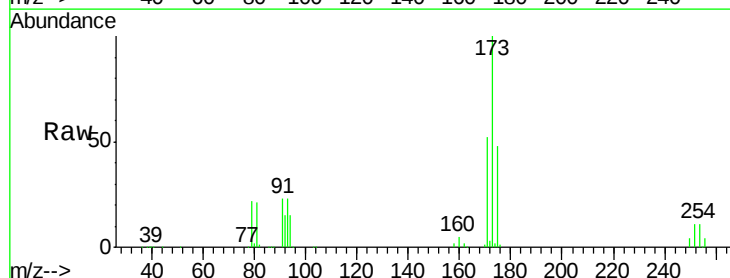
Tgt Ion: 173 Resp: 339053

Ion Ratio Lower Upper

173 100

175 48.8 38.6 57.8

254 11.0 8.4 12.6



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

Ion 175.00 (174.70 to 175.70): VV017913.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV017913.D (-2682) (-)

9.75

300000

250000

200000

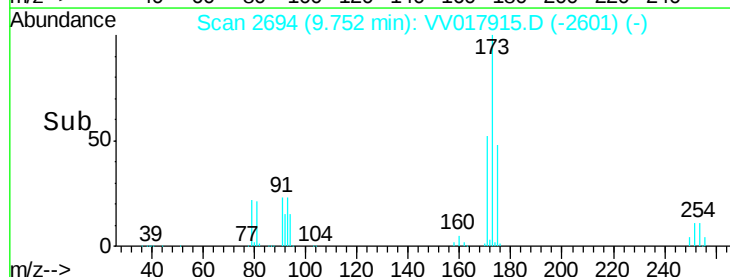
150000

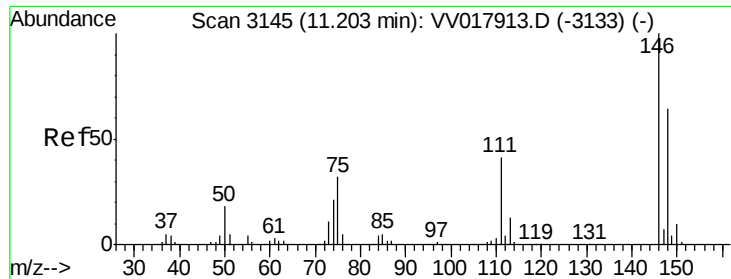
100000

50000

0

Time--> 9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 198.727 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

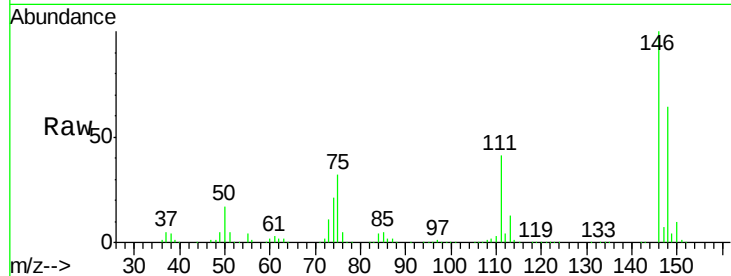
Tgt Ion:146 Resp: 950884

Ion Ratio Lower Upper

146 100

111 40.8 28.8 53.4

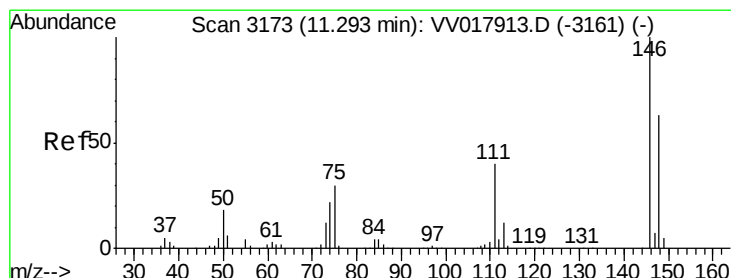
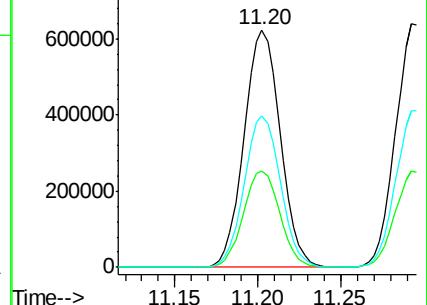
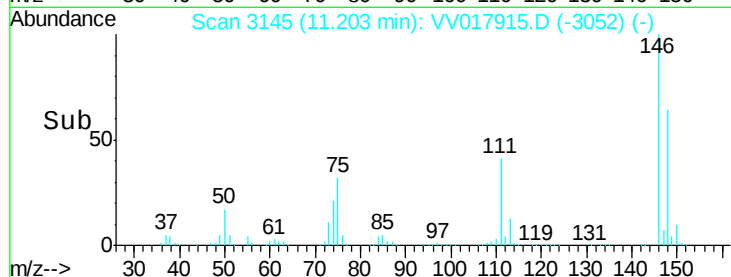
148 63.9 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 198.643 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

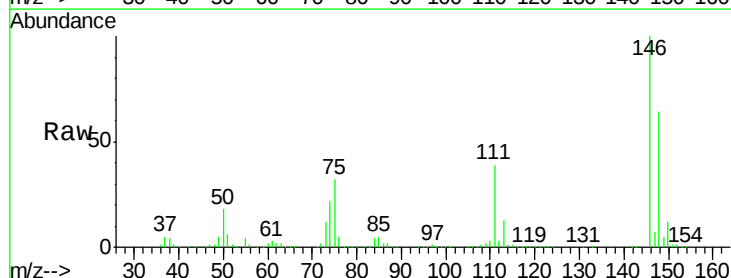
Tgt Ion:146 Resp: 968336

Ion Ratio Lower Upper

146 100

111 39.4 28.0 52.0

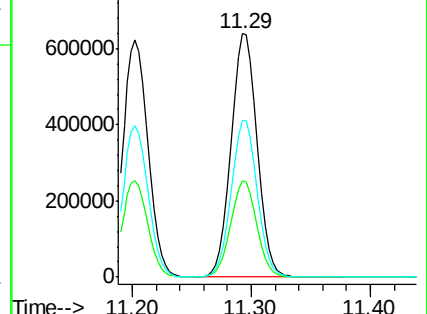
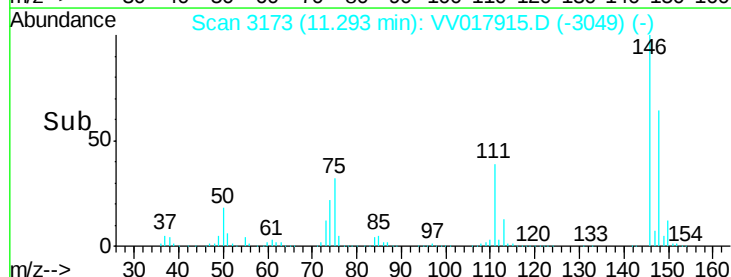
148 64.3 44.2 82.2

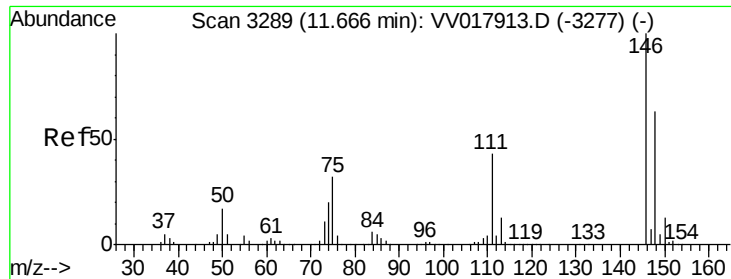


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 199.345 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

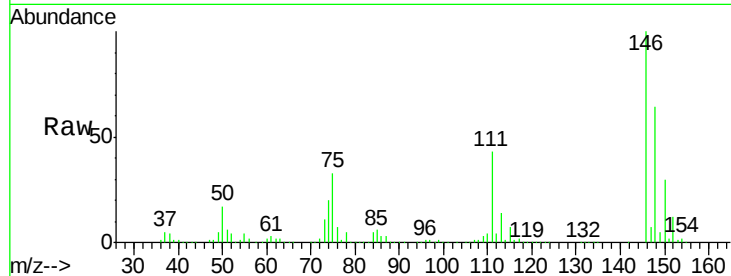
Tgt Ion:146 Resp: 979968

Ion Ratio Lower Upper

146 100

111 42.8 34.2 51.4

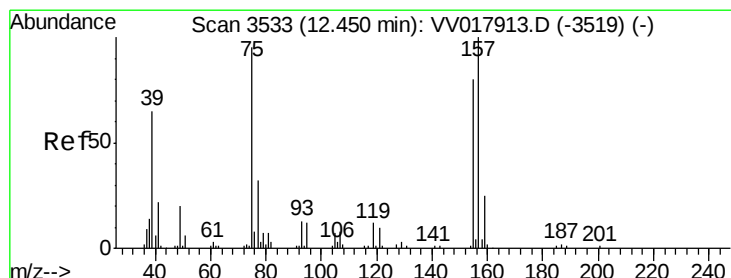
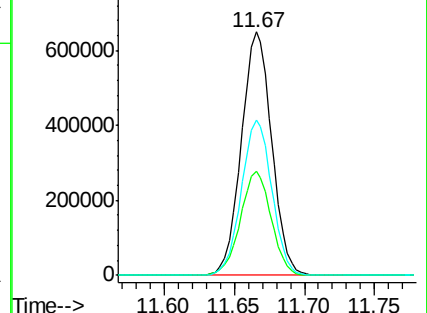
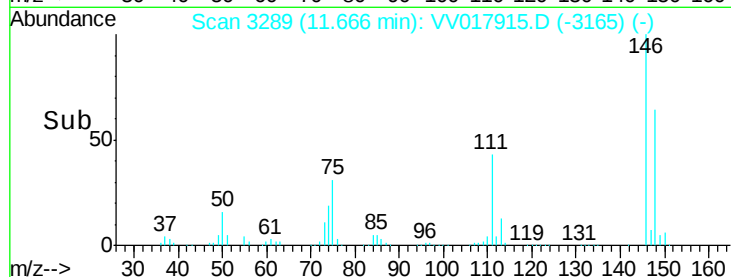
148 63.9 50.6 76.0



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: 239.953 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

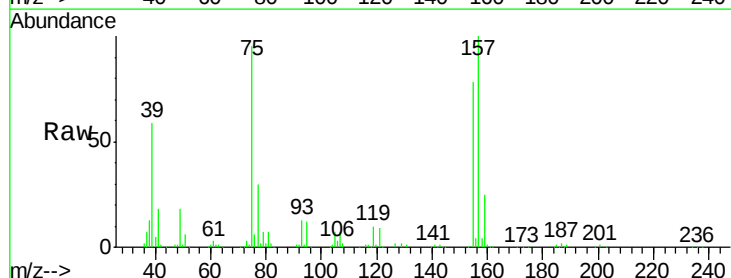
Tgt Ion: 75 Resp: 161073

Ion Ratio Lower Upper

75 100

155 82.5 67.6 101.4

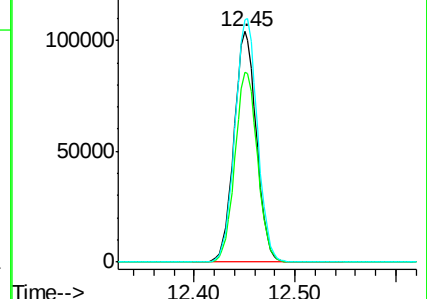
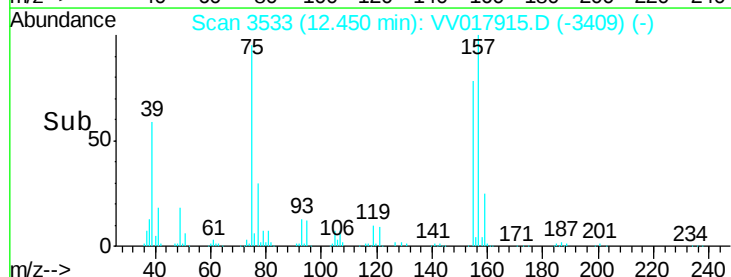
157 105.1 84.3 126.5

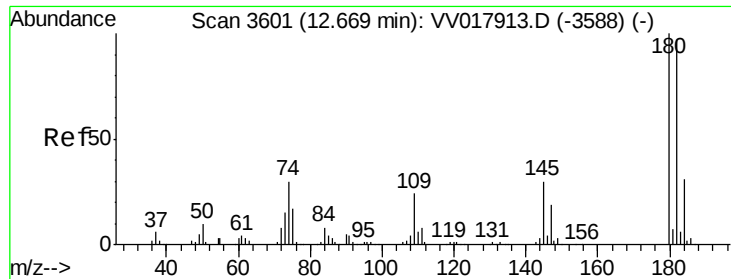


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

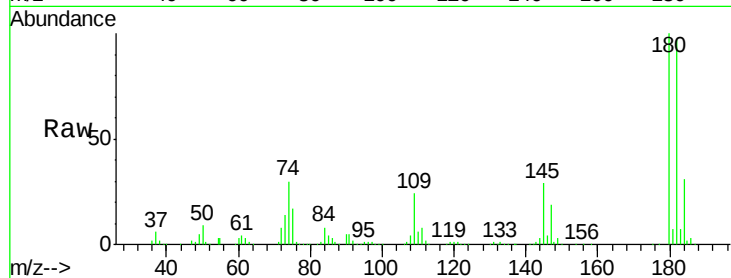




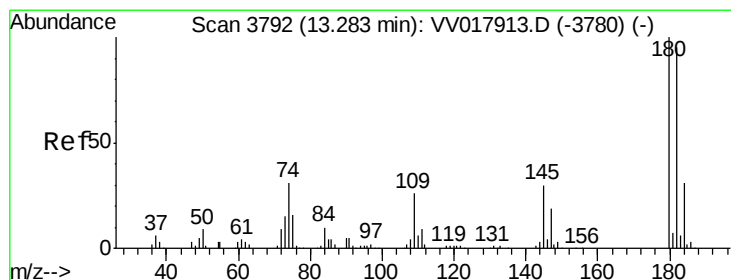
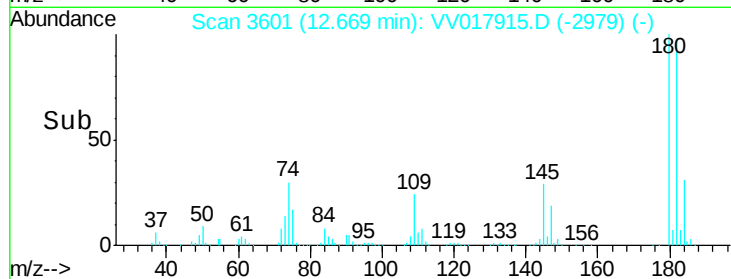
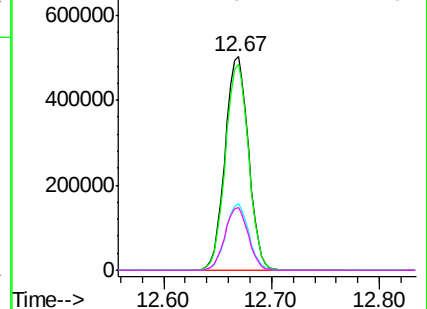
#67
 1,3,5-Trichlorobenzene
 Concen: 197.982 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV017915.D
 Acq: 11 Aug 2020 17:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20061

Tgt Ion:180 Resp: 758748
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.2 115.8
 184 30.8 24.6 36.8
 145 29.4 23.5 35.3

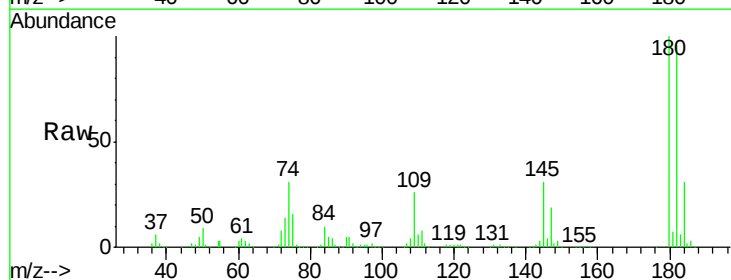


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

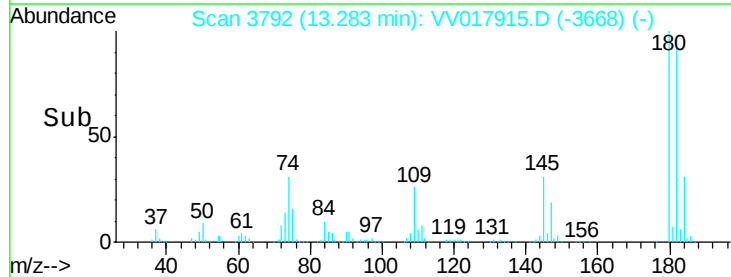
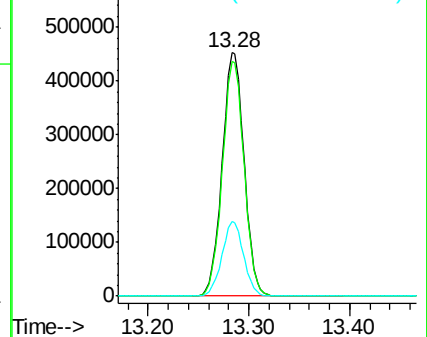


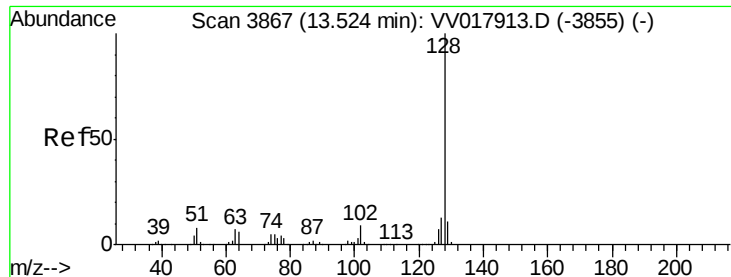
#68
 1,2,4-trichlorobenzene
 Concen: 204.463 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017915.D
 Acq: 11 Aug 2020 17:45

Tgt Ion:180 Resp: 687117
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.4 114.6
 145 30.2 24.0 36.0



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





#69

Naphthalene

Concen: 225.287 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD20061

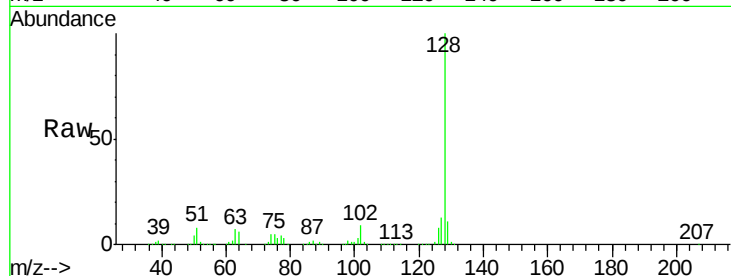
Tgt Ion:128 Resp: 1999844

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

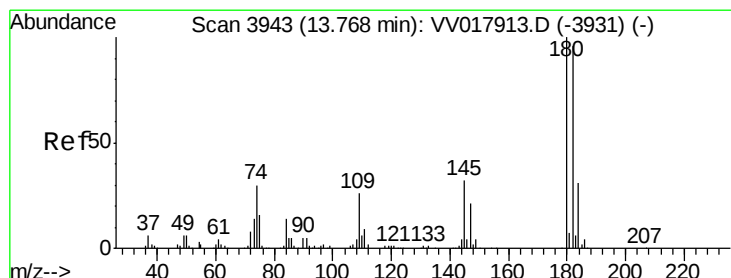
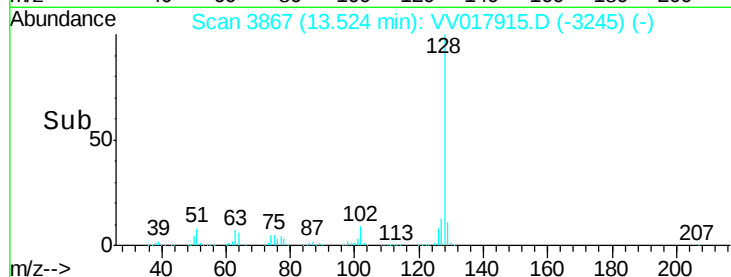
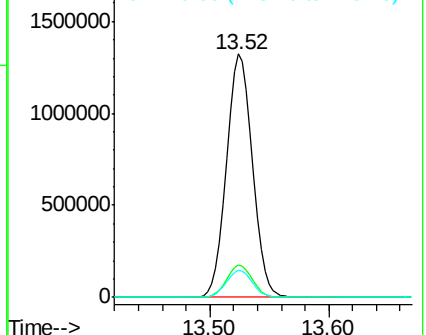
129 11.0 8.7 13.1



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: 195.697 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV017915.D

Acq: 11 Aug 2020 17:45

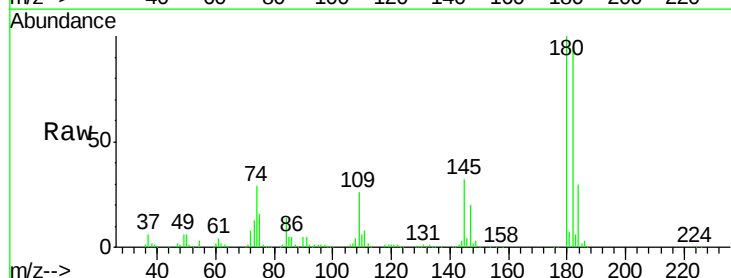
Tgt Ion:180 Resp: 668556

Ion Ratio Lower Upper

180 100

182 95.2 76.5 114.7

145 32.3 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

