

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073020\
 Data File : VV017741.D
 Acq On : 30 Jul 2020 10:27
 Operator : SY/MD
 Sample : VSTD01062
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01062

Quant Time: Jul 31 02:00:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM073020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 31 01:58:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	339181	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	323348	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	173931	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	15944	8.05	ug/L	0.00
7) Chloroethane-d5	1.58	69	13319	9.33	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	37530	9.08	ug/L	0.00
21) 2-Butanone-d5	4.05	46	170	0.11	ug/L	0.14
24) Chloroform-d	4.38	84	41854	8.85	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	31406	9.56	ug/L	0.00
32) Benzene-d6	5.08	84	71522	8.42	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	19615	7.80	ug/L	0.00
41) Toluene-d8	7.34	98	68039	8.43	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	11894	8.01	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	14676	13.01	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	29912	8.36	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	32957	9.24	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	34112	9.771 ug/L	98
3) Chloromethane	1.25	50	22642	8.757 ug/L	97
5) Vinyl chloride	1.32	62	23198	9.229 ug/L	100
6) Bromomethane	1.53	94	13389	8.555 ug/L	98
8) Chloroethane	1.60	64	14349	10.699 ug/L	96
9) Trichlorofluoromethane	1.76	101	47960	11.091 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	21783	10.350 ug/L	98
12) 1,1-Dichloroethene	2.13	96	20051	10.287 ug/L	99
13) Acetone	2.19	43	29074	19.853 ug/L	96
14) Carbon disulfide	2.31	76	61962	9.001 ug/L	97
15) Methyl Acetate	2.45	43	19131	8.177 ug/L	100
16) Methylene chloride	2.52	84	24462	9.681 ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	22757	9.501 ug/L	94
18) Methyl tert-butyl Ether	2.78	73	71228	8.867 ug/L	98
19) 1,1-Dichloroethane	3.21	63	39257	9.155 ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	23869	9.293 ug/L	93
22) 2-Butanone	4.00	43	25619	14.859 ug/L	93
23) Bromochloromethane	4.28	128	12895	9.051 ug/L	95
25) Chloroform	4.40	83	45213	9.645 ug/L	96
27) 1,2-Dichloroethane	5.16	62	38339	9.454 ug/L #	93
29) Cyclohexane	4.70	56	31724	8.391 ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	46529	10.380 ug/L	95
31) Carbon tetrachloride	4.86	117	42170	10.357 ug/L	99
33) Benzene	5.13	78	85887	9.158 ug/L	100
34) Trichloroethene	5.94	95	24092	9.270 ug/L	95
35) Methylcyclohexane	6.15	83	34494	8.609 ug/L	96
37) 1,2-Dichloropropane	6.20	63	19227	8.151 ug/L #	93
38) Bromodichloromethane	6.53	83	33446	9.334 ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	33473	8.381 ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	51587	15.985 ug/L	99

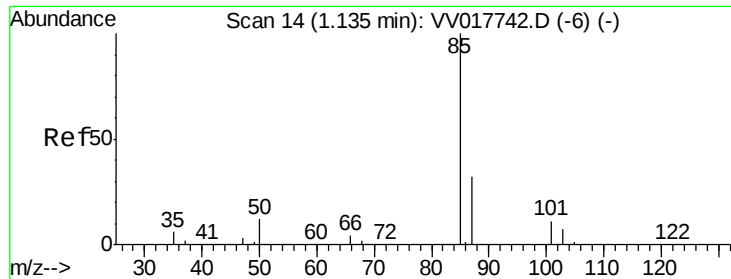
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073020\
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 Quant Title : VOC Analysis
 QLast Update : Fri Jul 31 01:58:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	92346	8.924	ug/L	95
44) trans-1,3-Dichloropropene	7.68	75	33781	8.365	ug/L	95
45) 1,1,2-Trichloroethane	7.86	97	22606	9.342	ug/L	96
46) Tetrachloroethene	8.00	164	21196	9.553	ug/L	99
48) 2-Hexanone	8.16	43	39362	15.188	ug/L	96
49) Dibromochloromethane	8.27	129	28189	9.390	ug/L	99
50) 1,2-Dibromoethane	8.37	107	23491	8.941	ug/L	90
51) Chlorobenzene	8.90	112	63161	9.168	ug/L	99
52) Ethylbenzene	9.03	91	102108	8.787	ug/L	98
53) m,p-Xylene	9.16	106	40916	9.201	ug/L	92
54) o-xylene	9.57	106	38731	8.969	ug/L	94
55) Styrene	9.58	104	64549	8.763	ug/L	95
56) Isopropylbenzene	9.95	105	103265	8.819	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	31808	8.503	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	28126	8.952	ug/L	99
61) Bromoform	9.75	173	20280	9.050	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	53961	9.334	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	54792	9.265	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	54558	9.320	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.45	75	8402	8.887	ug/L	94
67) 1,3,5-Trichlorobenzene	12.67	180	40896	8.919	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	33392	8.198	ug/L	95
69) Naphthalene	13.53	128	82581	7.401	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	33754	8.352	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 9.771 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

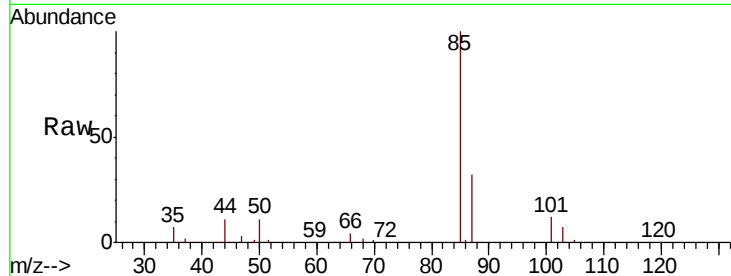
VSTD01062

Tot Ion: 85 Resp: 34112

Ion Ratio Lower Upper

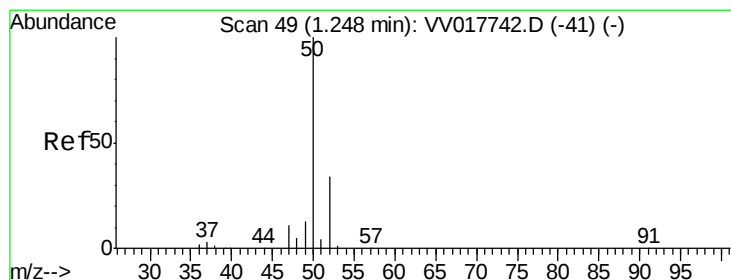
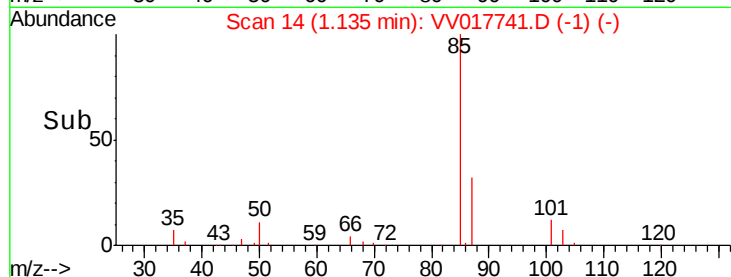
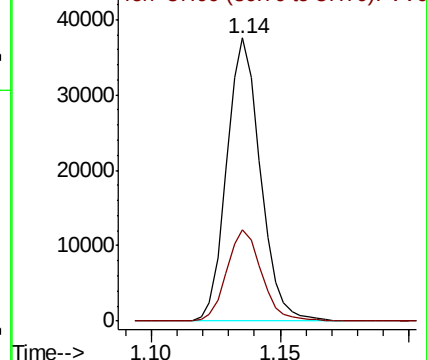
85 100

87 33.4 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 8.757 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017741.D

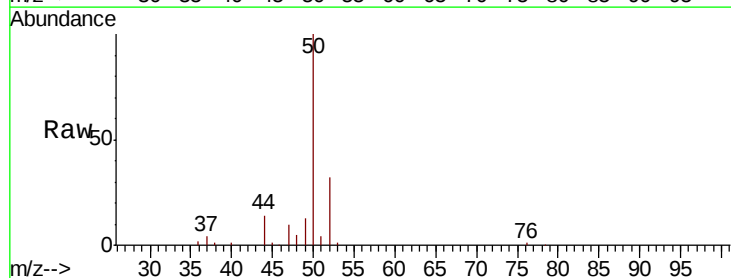
Acq: 30 Jul 2020 10:27

Tgt Ion: 50 Resp: 22642

Ion Ratio Lower Upper

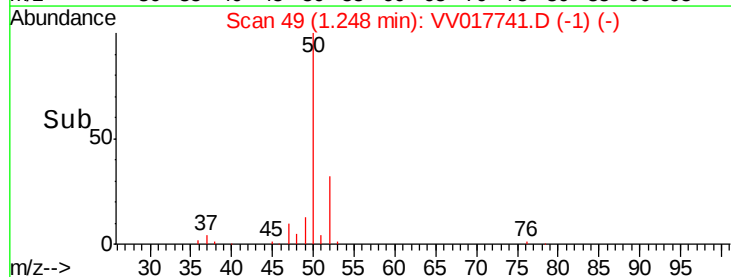
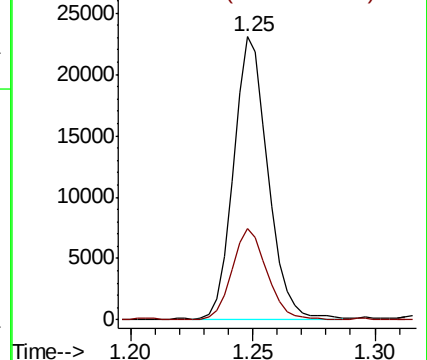
50 100

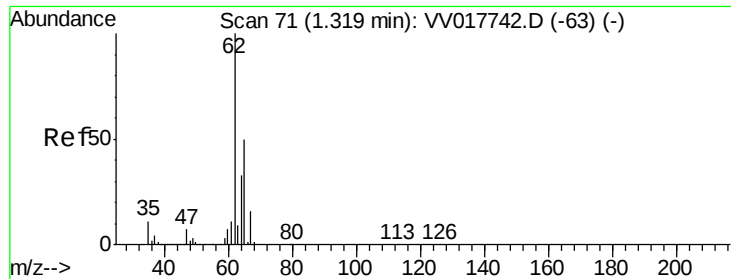
52 32.2 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 9.229 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

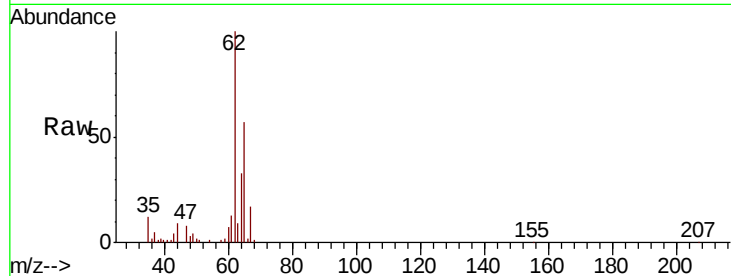
VSTD01062

Tot Ion: 62 Resp: 23198

Ion Ratio Lower Upper

62 100

64 32.9 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

25000

20000

15000

10000

5000

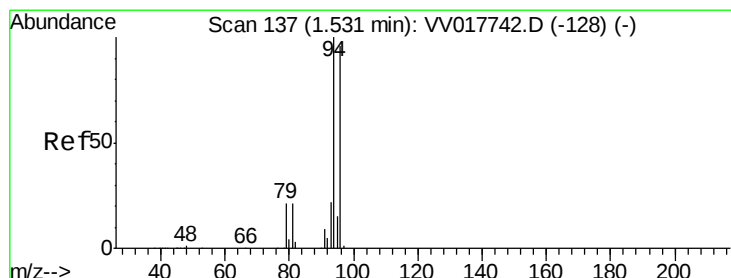
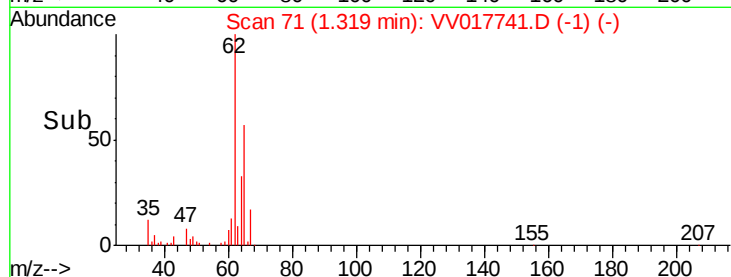
0

1.30

1.32

1.35

Time-->



#6

Bromomethane

Concen: 8.555 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017741.D

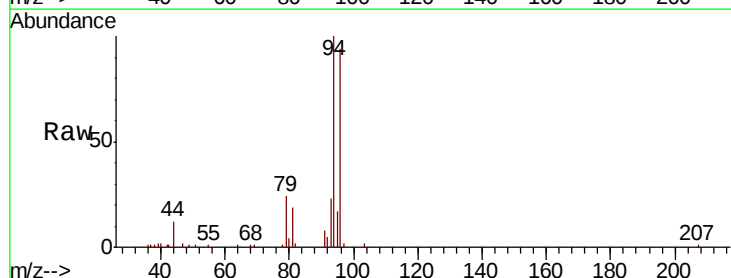
Acq: 30 Jul 2020 10:27

Tgt Ion: 94 Resp: 13389

Ion Ratio Lower Upper

94 100

96 93.7 66.9 124.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

10000

5000

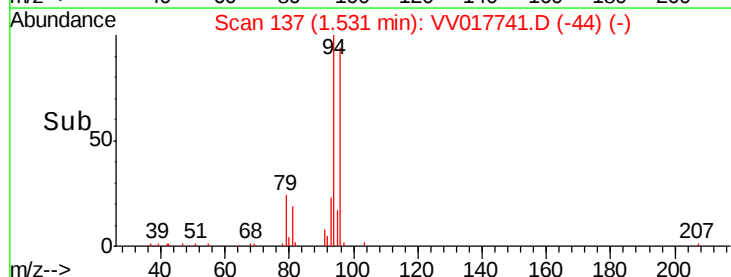
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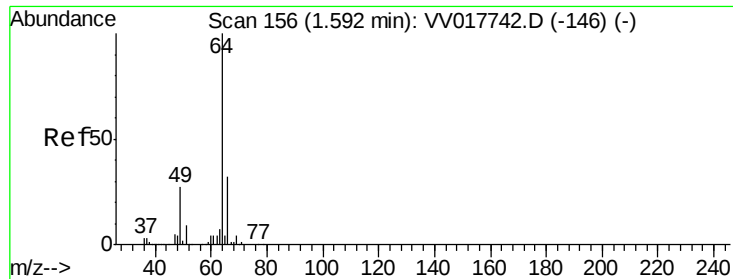
1.50

1.53

1.55

Time-->

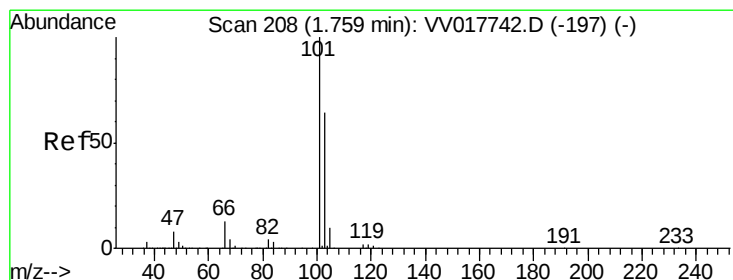
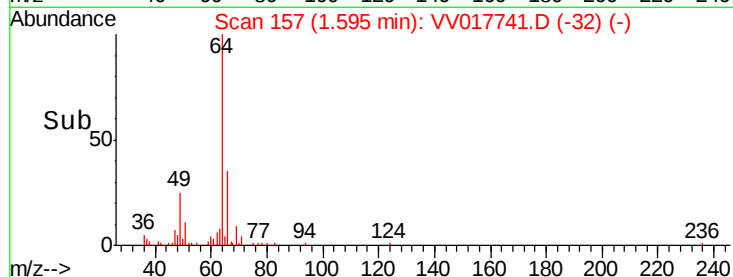
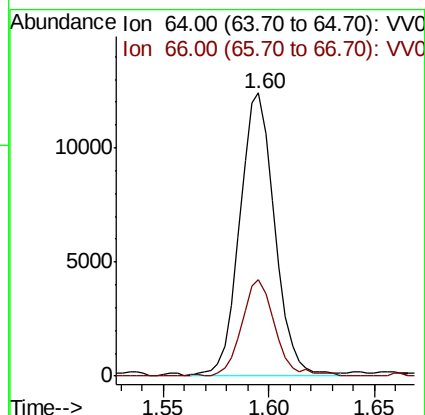
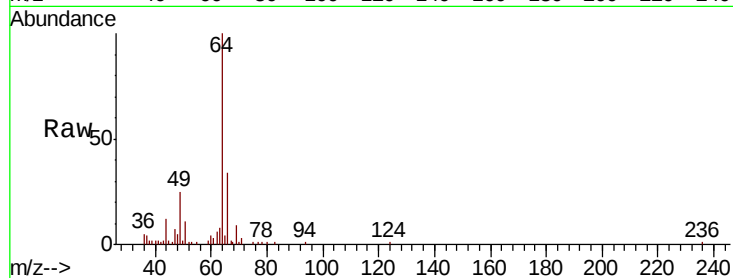




#8
Chloroethane
Concen: 10.699 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017741.D
Acq: 30 Jul 2020 10:27

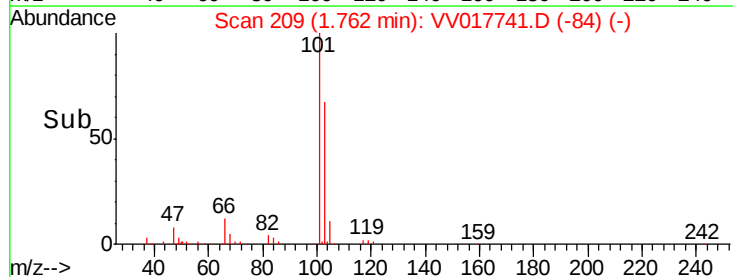
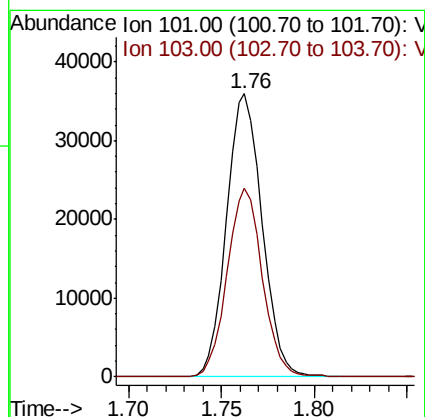
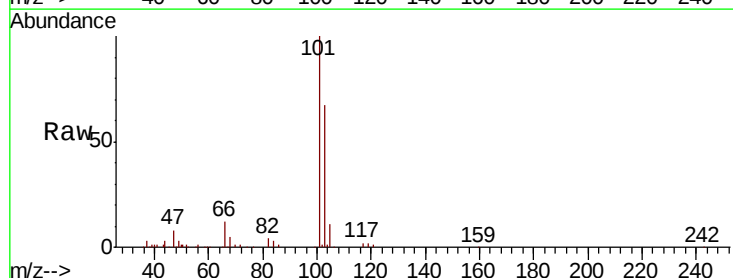
Instrument :
MSVOA_V
ClientSampleId :
VSTD01062

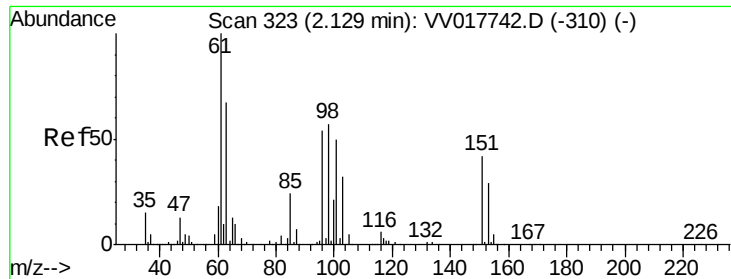
Tot Ion: 64 Resp: 14349
Ion Ratio Lower Upper
64 100
66 34.2 22.3 41.3



#9
Trichlorofluoromethane
Concen: 11.091 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV017741.D
Acq: 30 Jul 2020 10:27

Tgt Ion:101 Resp: 47960
Ion Ratio Lower Upper
101 100
103 65.9 51.6 77.4





#10

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

Concen: 10.350 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

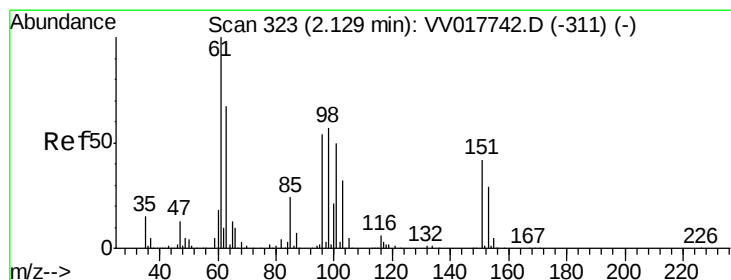
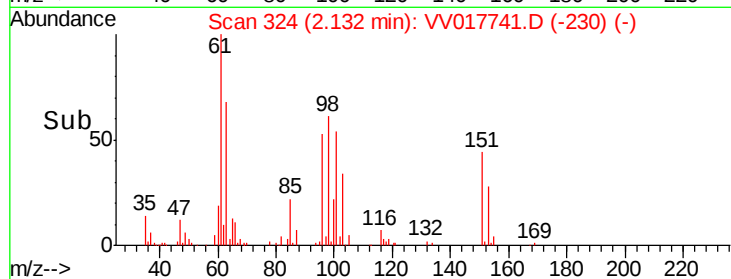
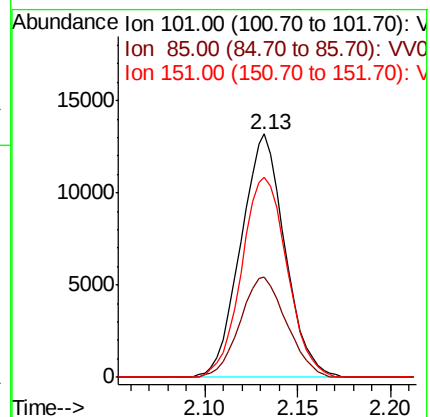
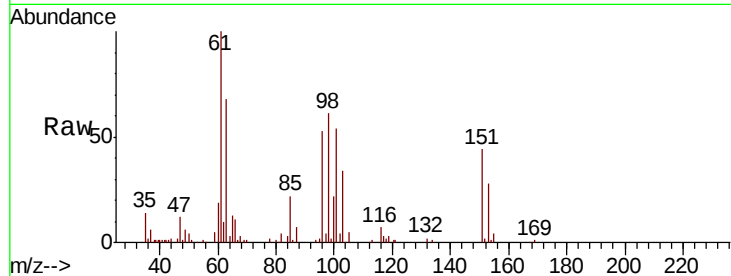
Tot Ion:101 Resp: 21783

Ion Ratio Lower Upper

101 100

85 43.3 37.2 55.8

151 84.5 68.2 102.2



#12

1,1-Dichloroethene

Concen: 10.287 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

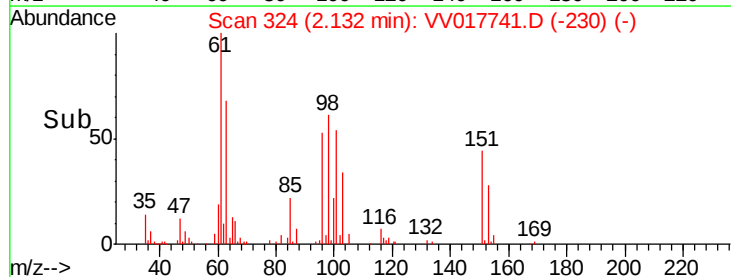
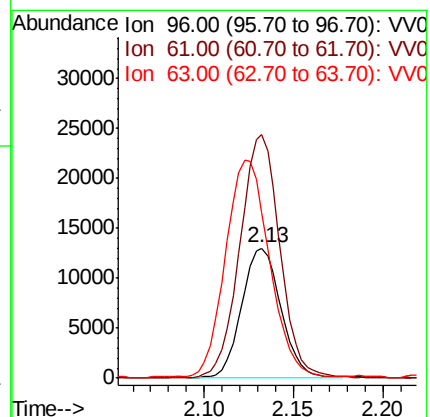
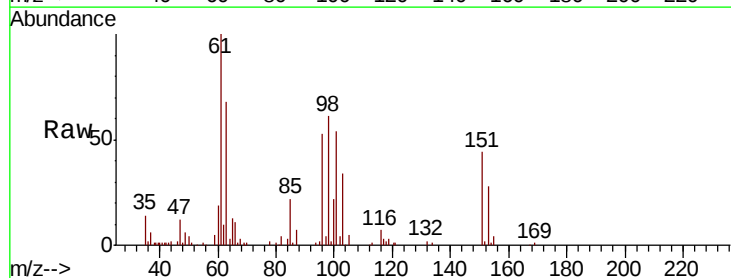
Tgt Ion: 96 Resp: 20051

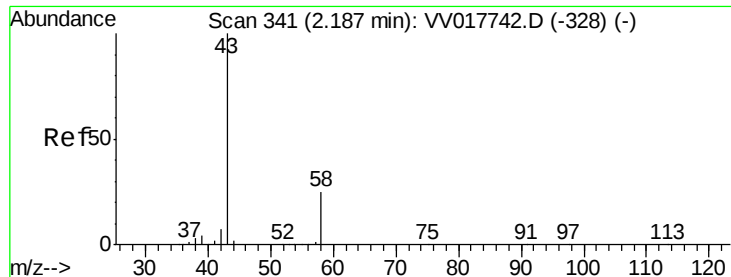
Ion Ratio Lower Upper

96 100

61 187.6 131.0 243.2

63 127.7 88.5 164.3





#13

Acetone

Concen: 19.853 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

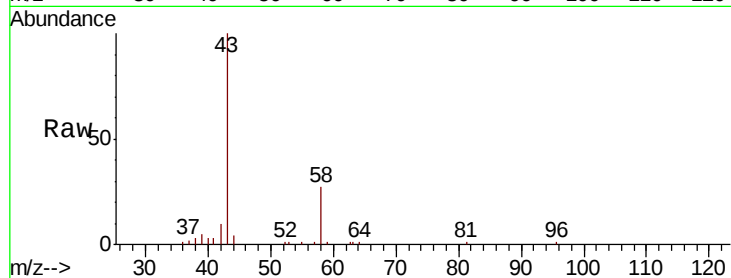
Instrument :
MSVOA_V
ClientSampleId :
VSTD01062

Tot Ion: 43 Resp: 29074

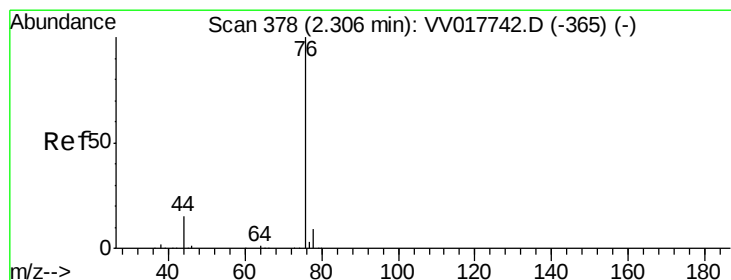
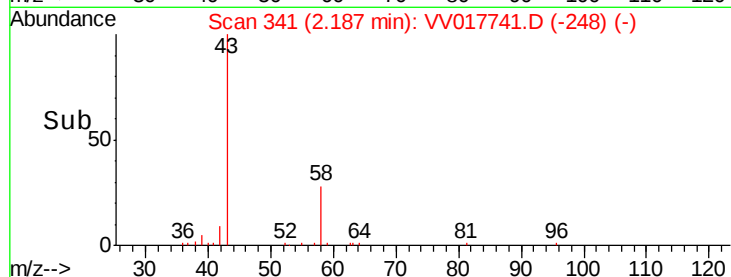
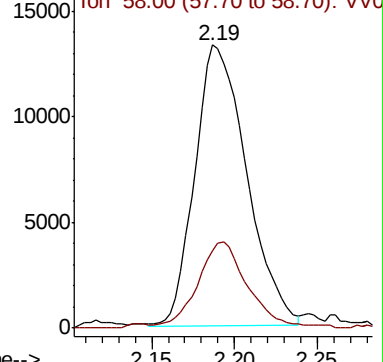
Ion Ratio Lower Upper

43 100

58 28.5 0.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VV017741.D (-248) (-)



#14

Carbon disulfide

Concen: 9.001 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017741.D

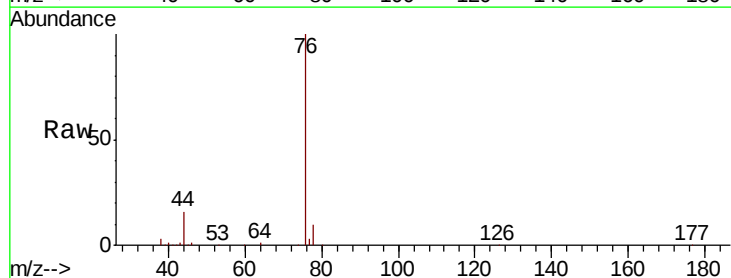
Acq: 30 Jul 2020 10:27

Tgt Ion: 76 Resp: 61962

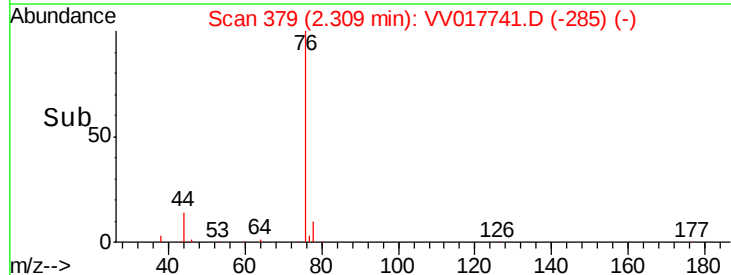
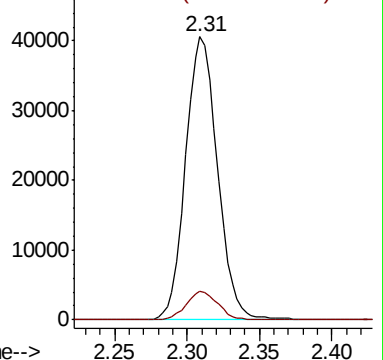
Ion Ratio Lower Upper

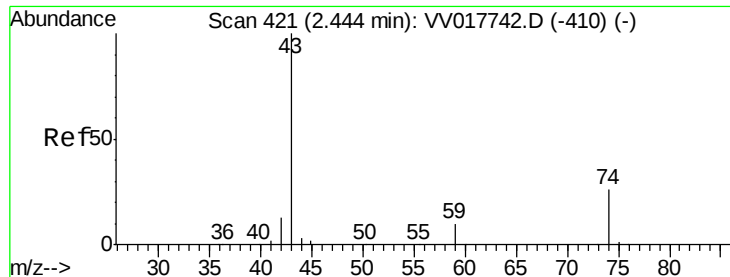
76 100

78 10.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV017741.D (-285) (-)

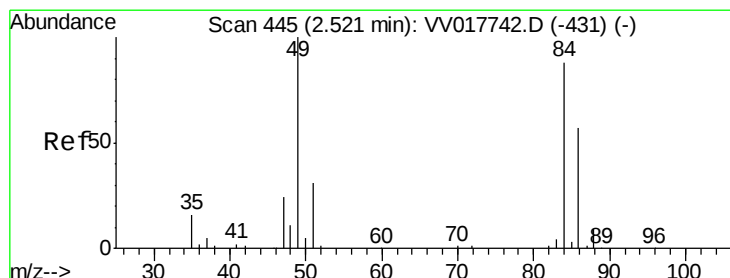
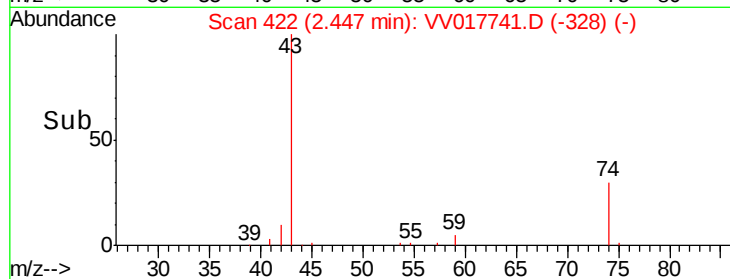
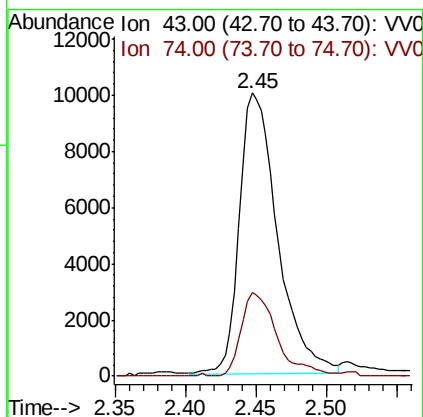
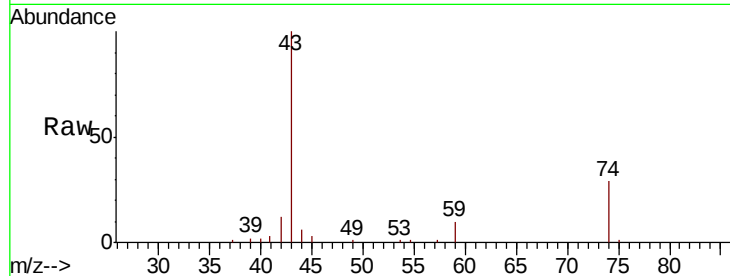




#15
Methvl Acetate
Concen: 8.177 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV017741.D
Acq: 30 Jul 2020 10:27

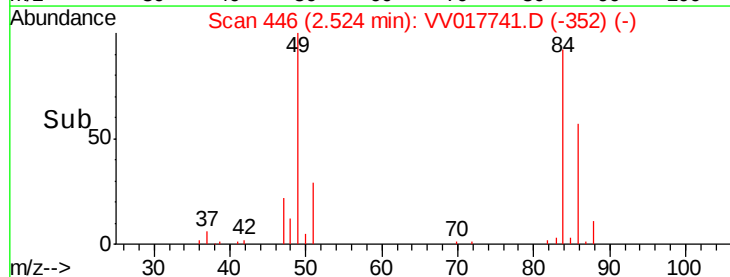
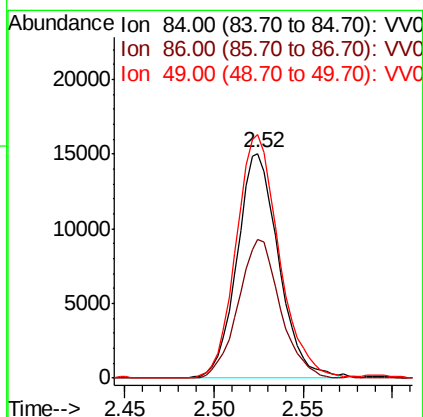
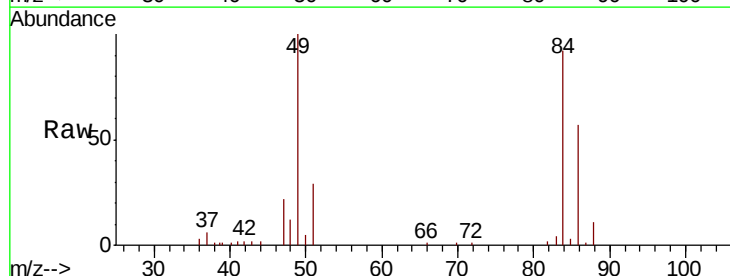
Instrument :
MSVOA_V
ClientSampleId :
VSTD01062

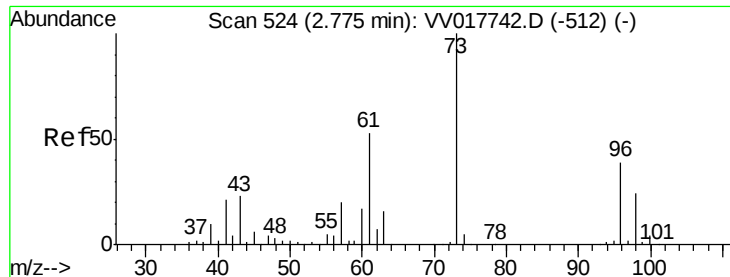
Tot Ion: 43 Resp: 19131
Ion Ratio Lower Upper
43 100
74 25.9 20.6 31.0



#16
Methylene chloride
Concen: 9.681 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017741.D
Acq: 30 Jul 2020 10:27

Tgt Ion: 84 Resp: 24462
Ion Ratio Lower Upper
84 100
86 61.9 45.4 84.4
49 108.3 79.2 147.2

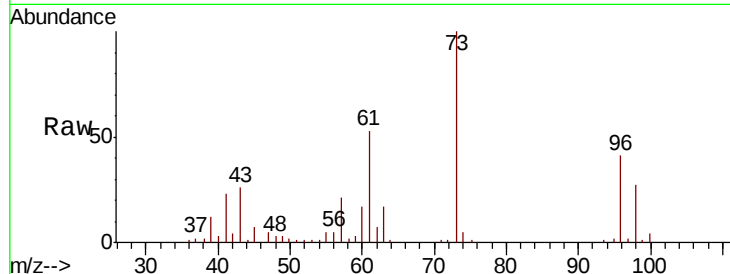




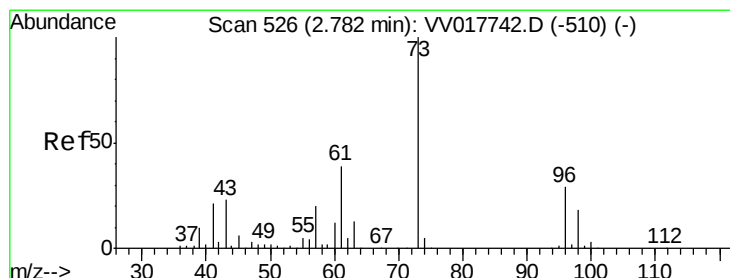
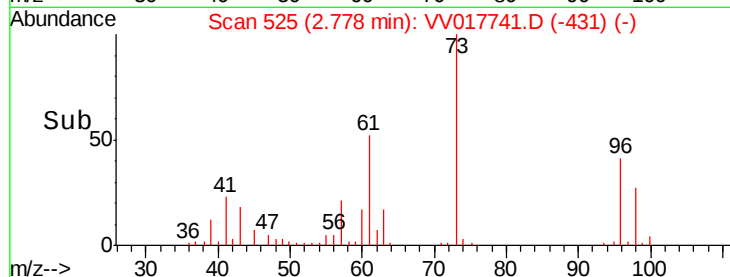
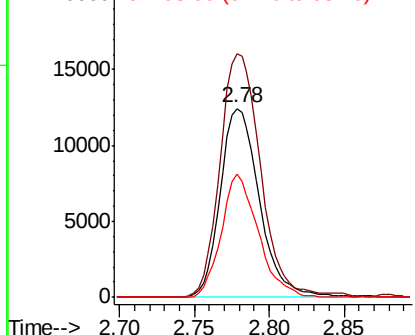
#17
trans-1,2-Dichloroethene
Concen: 9.501 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV017741.D
Acq: 30 Jul 2020 10:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD01062

Tot Ion: 96 Resp: 22757
Ion Ratio Lower Upper
96 100
61 128.7 96.2 178.8
98 65.0 43.2 80.2

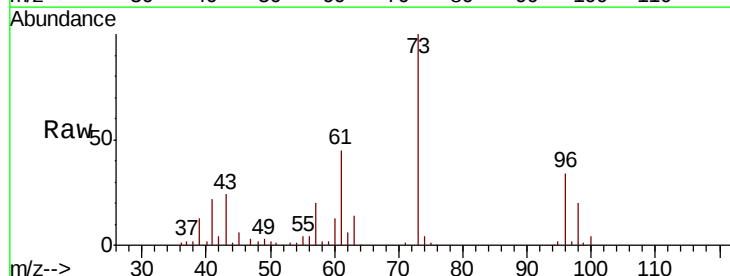


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

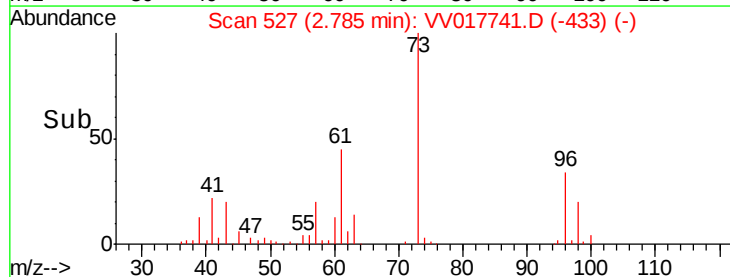
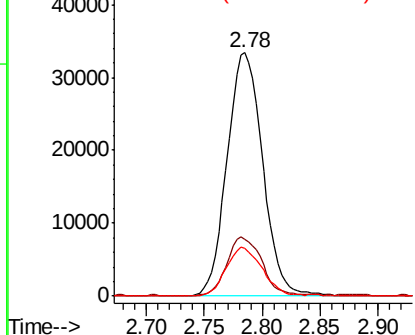


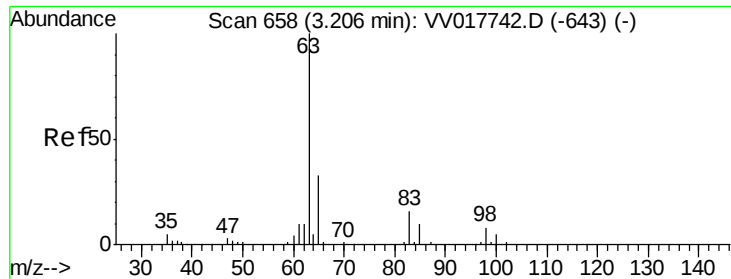
#18
Methyl tert-butyl Ether
Concen: 8.867 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV017741.D
Acq: 30 Jul 2020 10:27

Tgt Ion: 73 Resp: 71228
Ion Ratio Lower Upper
73 100
43 23.8 18.1 27.1
57 20.3 16.0 24.0



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: 9.155 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.01 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

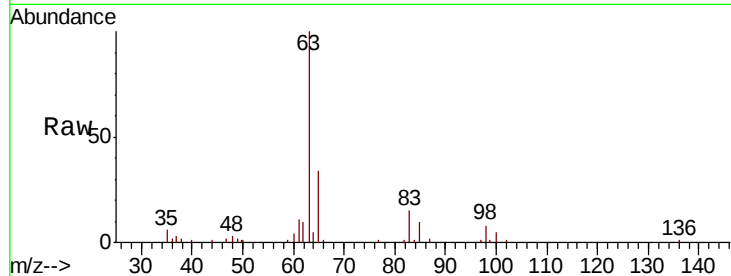
Tot Ion: 63 Resp: 39257

Ion Ratio Lower Upper

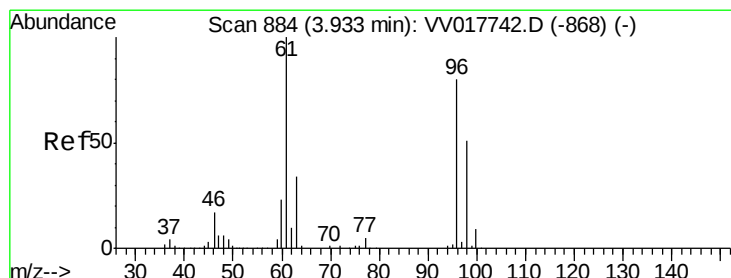
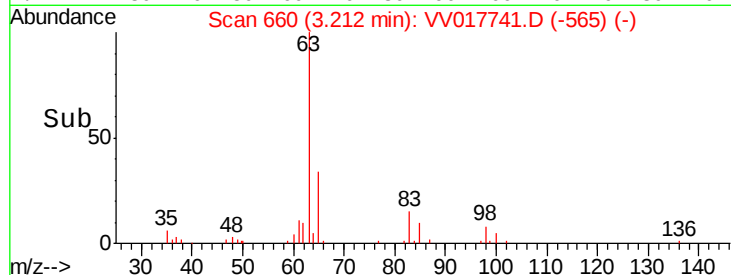
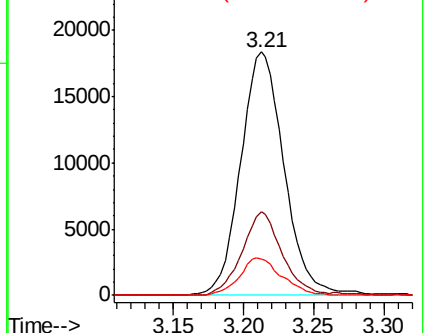
63 100

65 34.4 22.8 42.4

83 15.0 11.0 20.4



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



#20

cis-1,2-Dichloroethene

Concen: 9.293 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

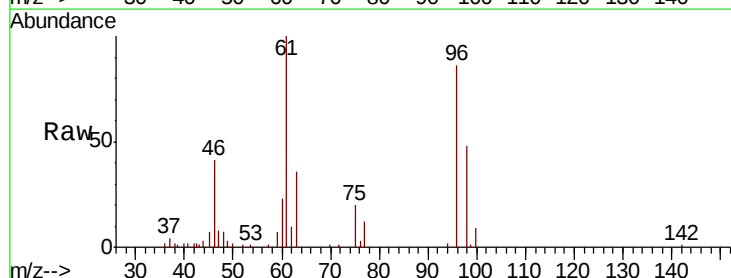
Tgt Ion: 96 Resp: 23869

Ion Ratio Lower Upper

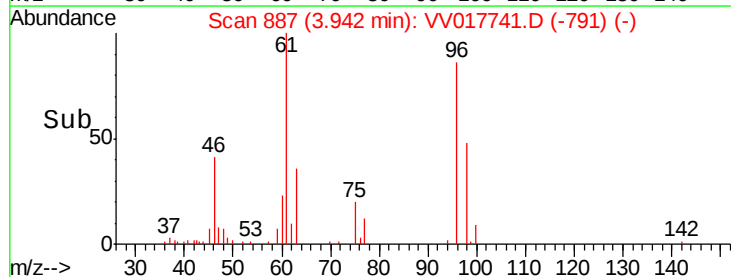
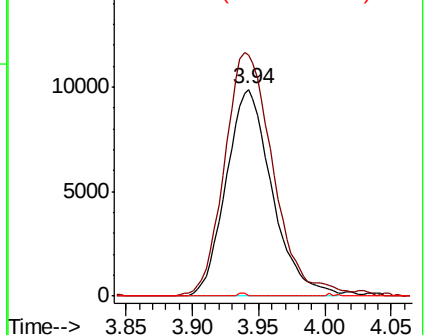
96 100

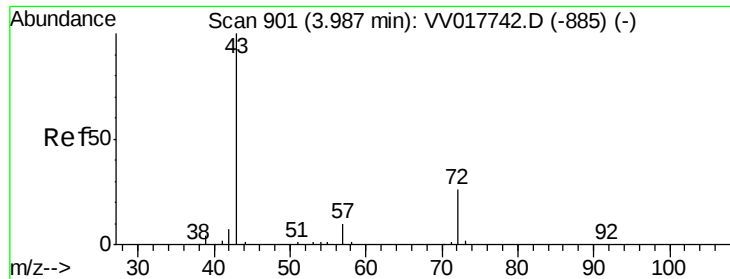
61 116.7 87.3 162.1

68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 14.859 ug/L

RT: 4.00 min Scan# 906

Delta R.T. 0.02 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

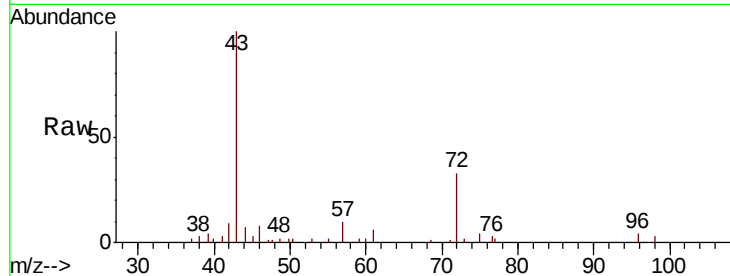
VSTD01062

Tot Ion: 43 Resp: 25619

Ion Ratio Lower Upper

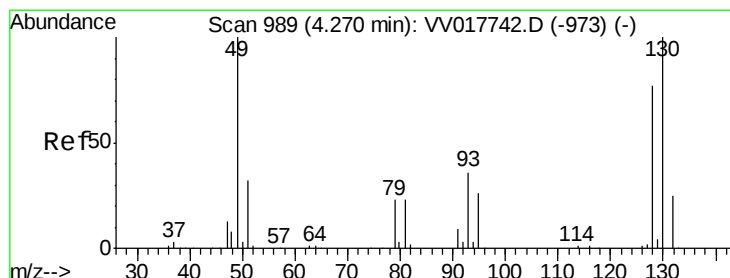
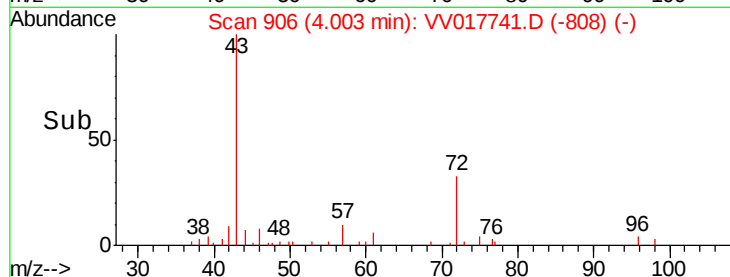
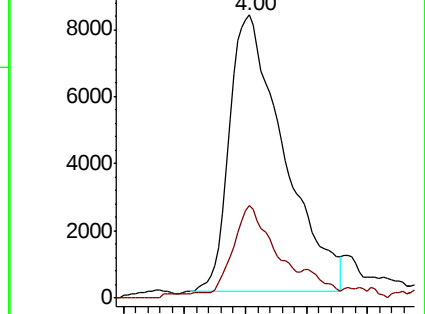
43 100

72 22.5 13.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VV017741.D (-896) (-)

Ion 72.00 (71.70 to 72.70): VV017741.D (-896) (-)



#23

Bromochloromethane

Concen: 9.051 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.01 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

Tgt Ion: 128 Resp: 12895

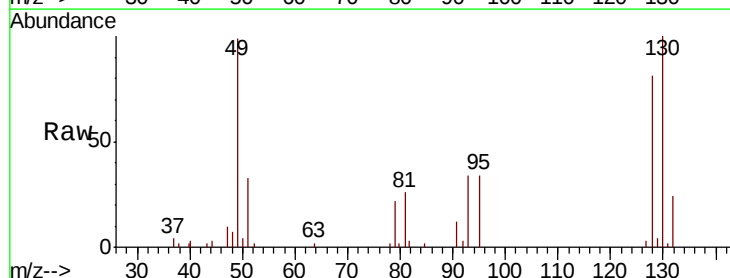
Ion Ratio Lower Upper

128 100

49 122.0 90.4 168.0

130 123.0 90.5 168.1

51 40.8 32.7 49.1

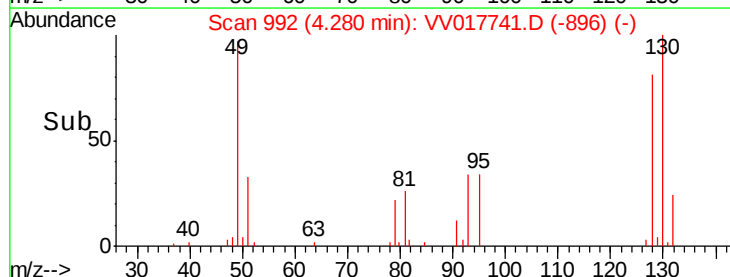
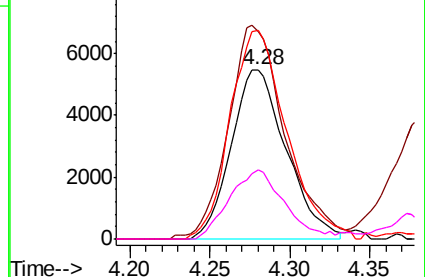


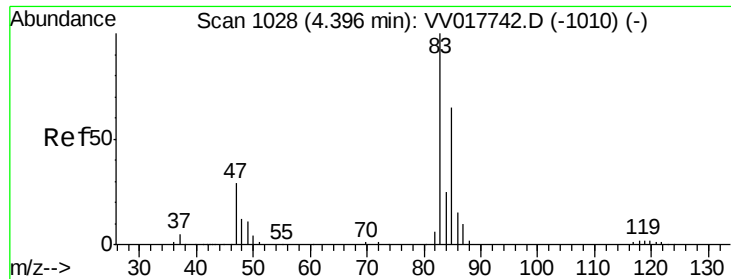
Abundance Ion 128.00 (127.70 to 128.70): VV017741.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV017741.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV017741.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV017741.D (-896) (-)

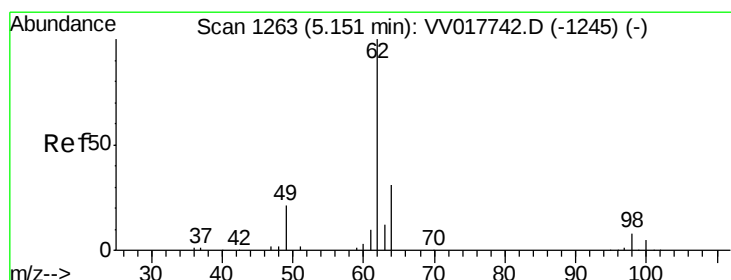
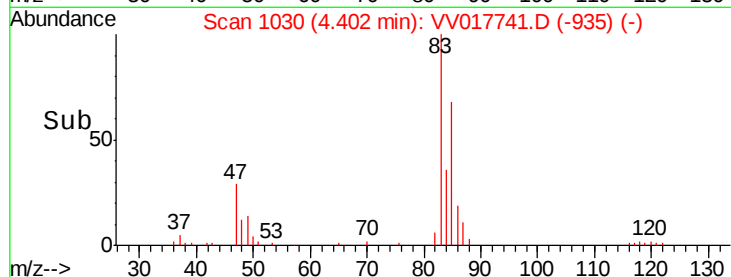
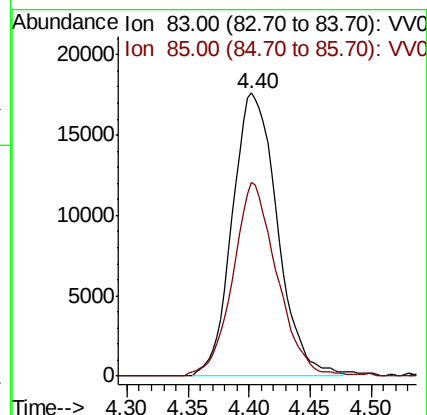
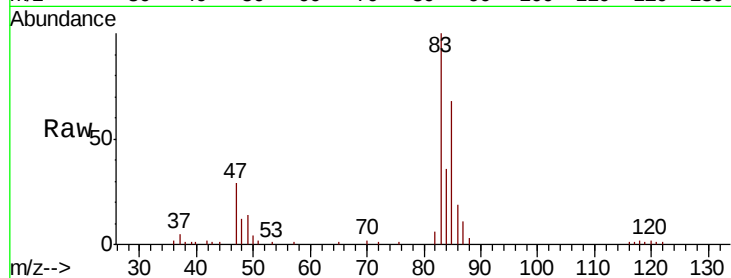




#25
Chloroform
Concen: 9.645 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VV017741.D
Acq: 30 Jul 2020 10:27

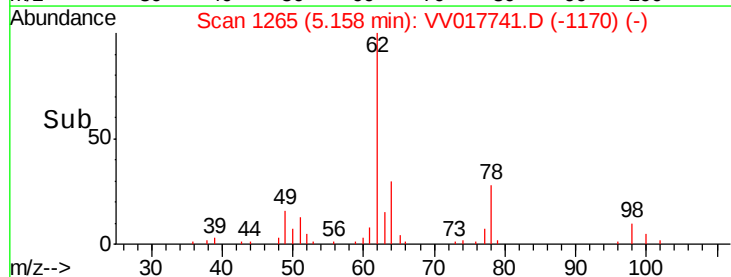
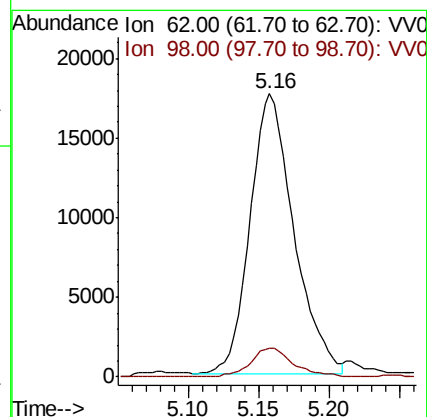
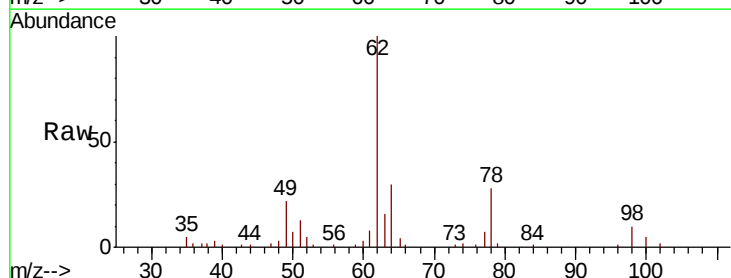
Instrument :
MSVOA_V
ClientSampleId :
VSTD01062

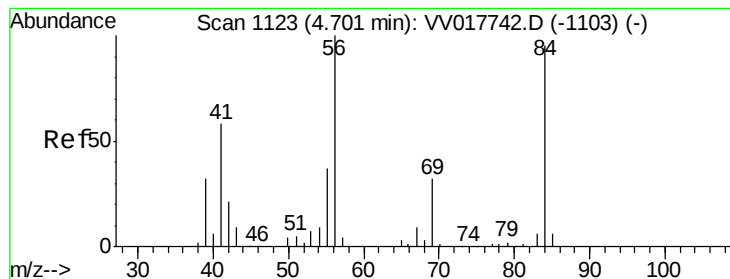
Tot Ion: 83 Resp: 45213
Ion Ratio Lower Upper
83 100
85 68.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 9.454 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VV017741.D
Acq: 30 Jul 2020 10:27

Tgt Ion: 62 Resp: 38339
Ion Ratio Lower Upper
62 100
98 10.0 6.0 9.0#





#29

Cyclohexane

Concen: 8.391 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

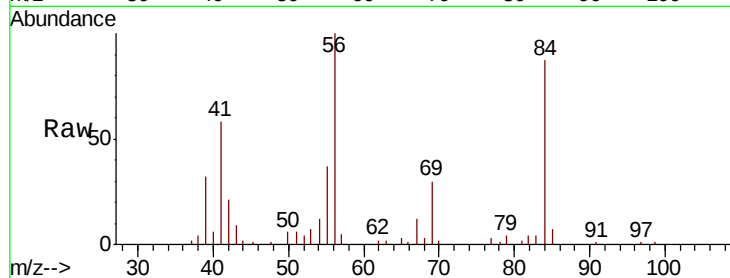
Tot Ion: 56 Resp: 31724

Ion Ratio Lower Upper

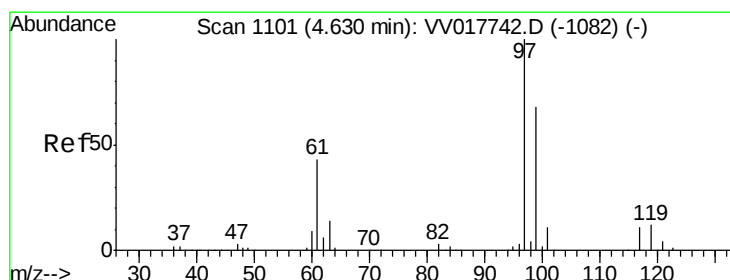
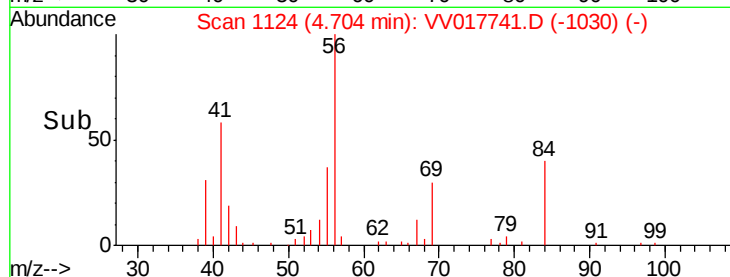
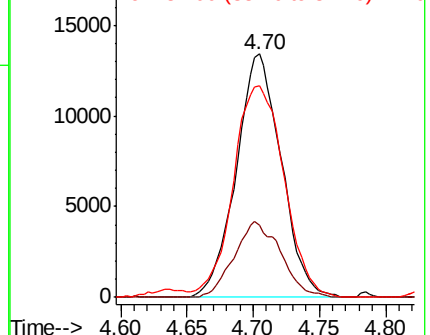
56 100

69 32.0 26.1 39.1

84 97.8 76.6 114.8



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: 10.380 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

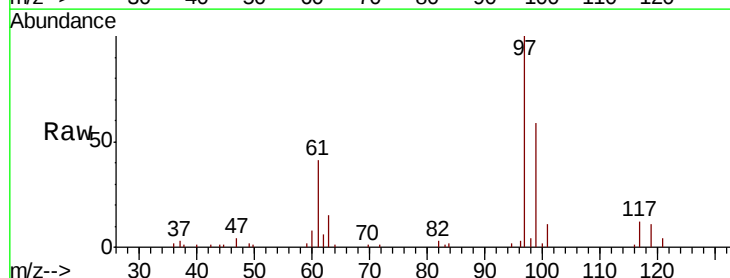
Tgt Ion: 97 Resp: 46529

Ion Ratio Lower Upper

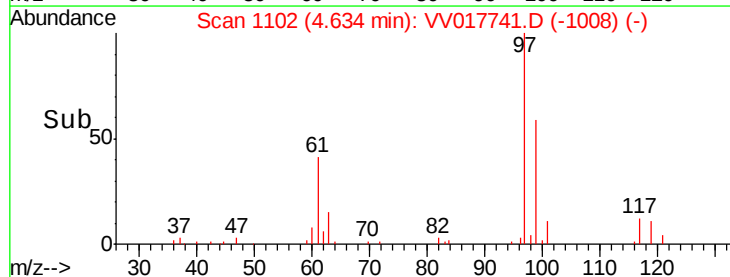
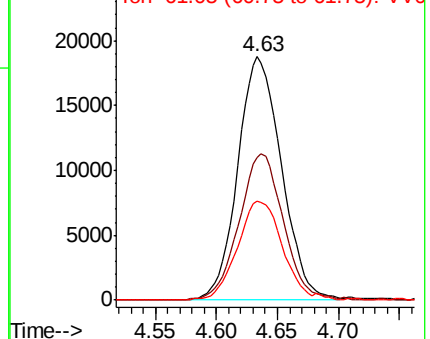
97 100

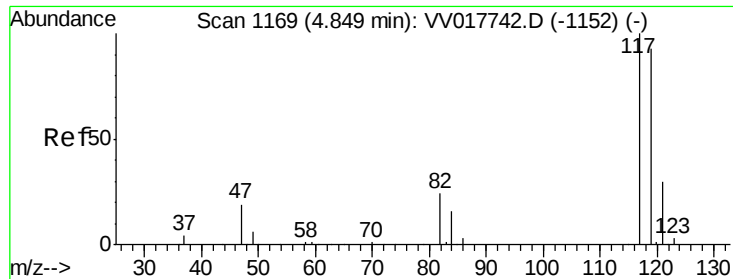
99 59.6 52.0 78.0

61 41.4 34.1 51.1



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: 10.357 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

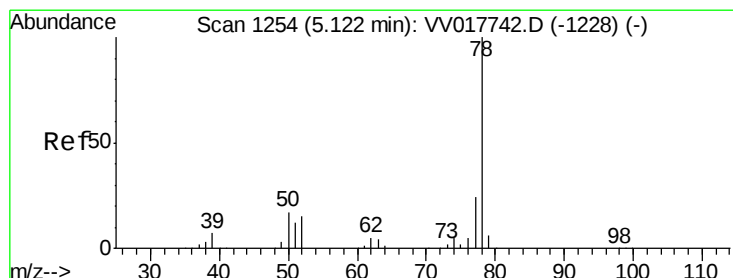
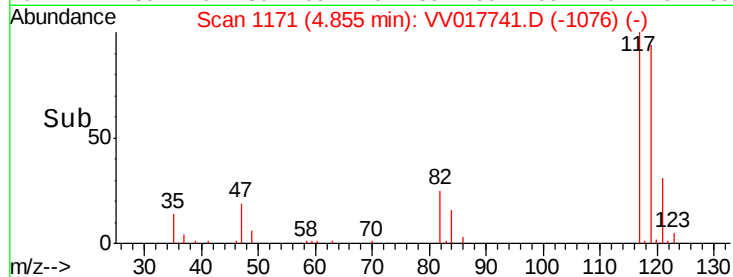
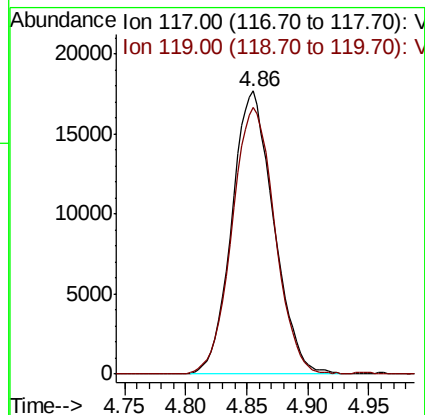
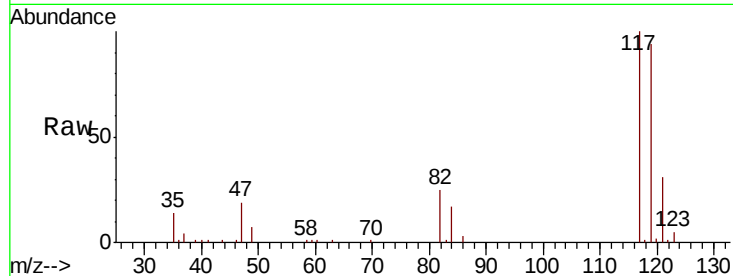
VSTD01062

Tot Ion:117 Resp: 42170

Ion Ratio Lower Upper

117 100

119 95.7 77.6 116.4



#33

Benzene

Concen: 9.158 ug/L

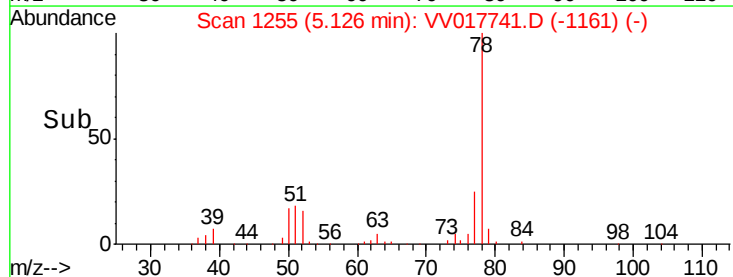
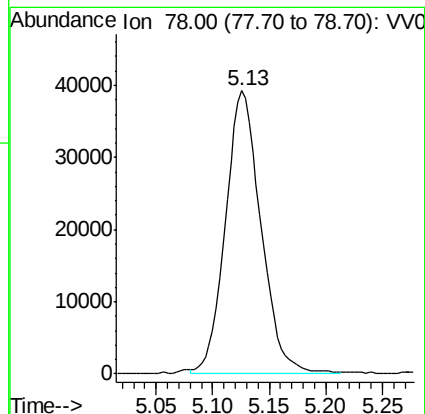
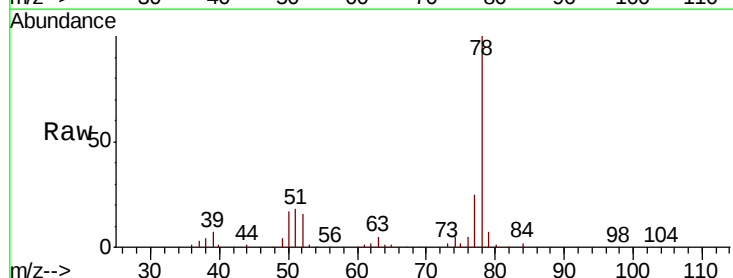
RT: 5.13 min Scan# 1255

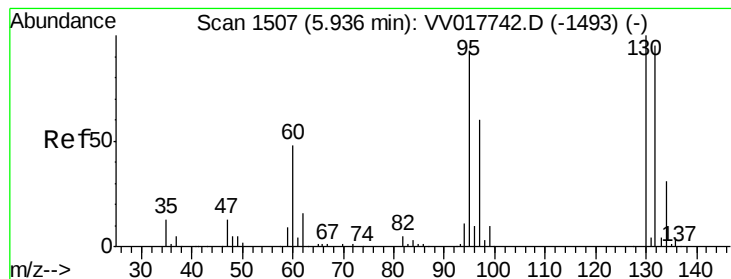
Delta R.T. 0.00 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

Tgt Ion: 78 Resp: 85887





#34

Trichloroethene

Concen: 9.270 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

Tot Ion: 95 Resp: 24092

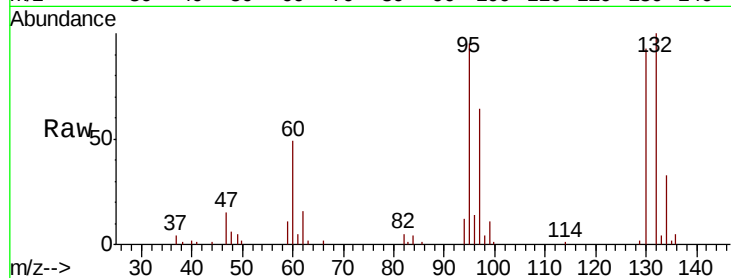
Ion Ratio Lower Upper

95 100

97 67.1 45.3 84.1

132 105.7 71.4 132.6

130 98.8 75.3 139.9

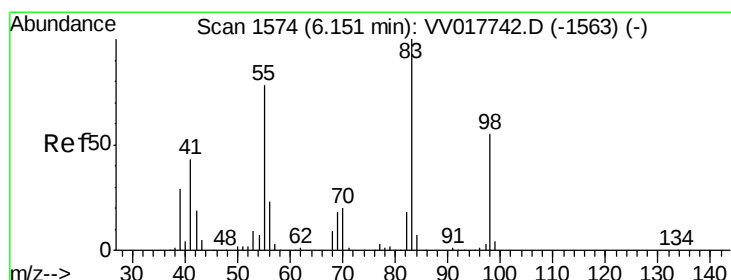
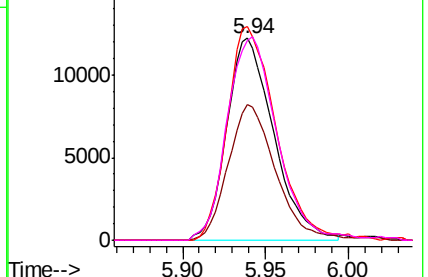
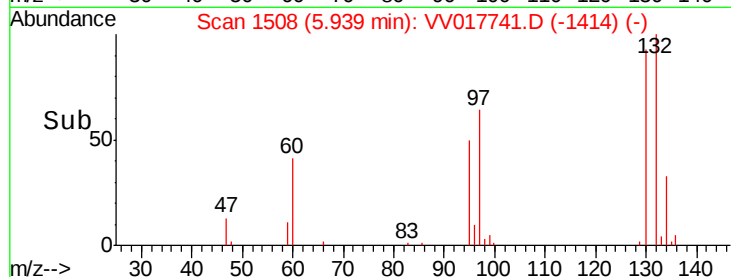


Abundance Ion 95.00 (94.70 to 95.70): VV017741.D (-1493) (-)

Ion 97.00 (96.70 to 97.70): VV017741.D (-1493) (-)

Ion 132.00 (131.70 to 132.70): VV017741.D (-1493) (-)

Ion 130.00 (129.70 to 130.70): VV017741.D (-1493) (-)



#35

Methylcyclohexane

Concen: 8.609 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

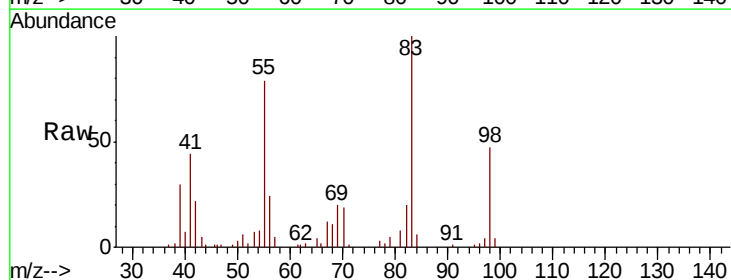
Tgt Ion: 83 Resp: 34494

Ion Ratio Lower Upper

83 100

55 79.3 59.4 89.2

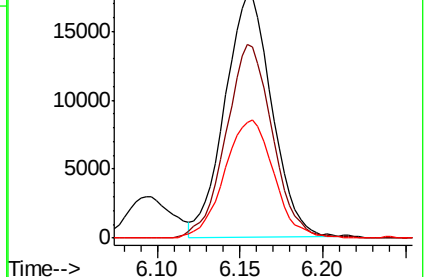
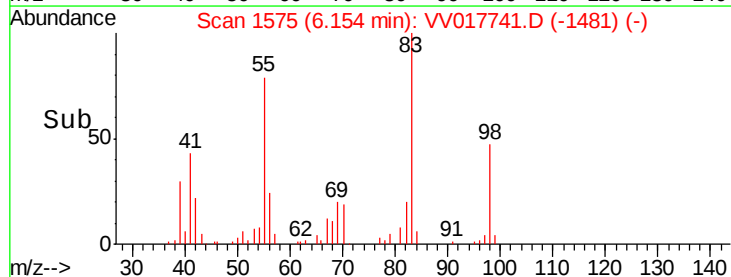
98 51.4 41.2 61.8

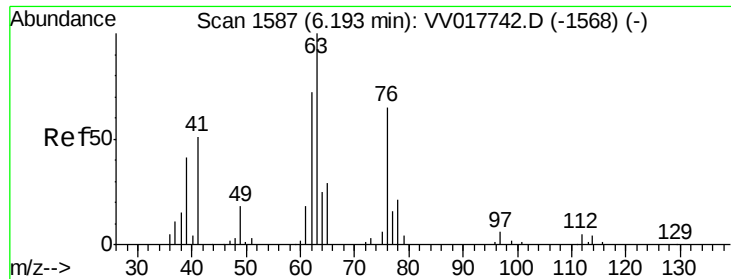


Abundance Ion 83.00 (82.70 to 83.70): VV017741.D (-1481) (-)

Ion 55.00 (54.70 to 55.70): VV017741.D (-1481) (-)

Ion 98.00 (97.70 to 98.70): VV017741.D (-1481) (-)

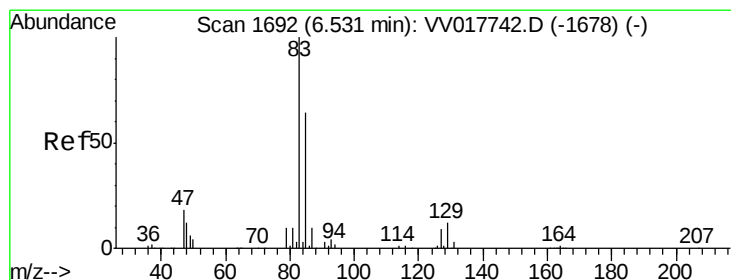
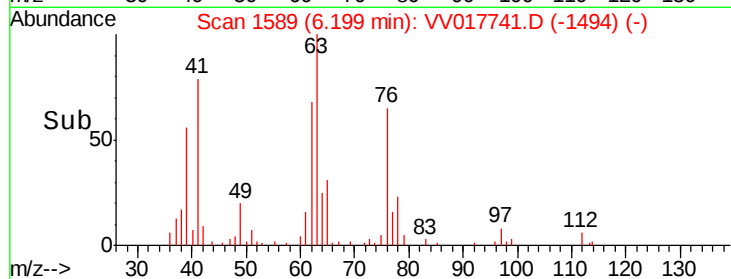
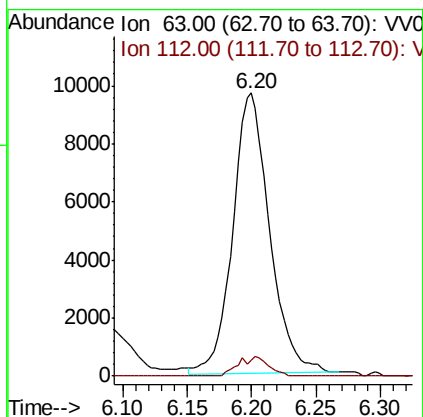
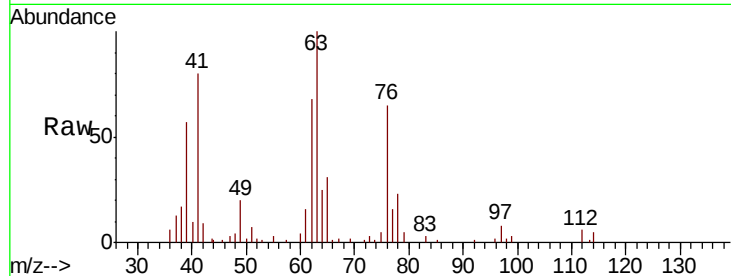




#37
 1,2-Dichloropropane
 Concen: 8.151 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.01 min
 Lab File: VV017741.D
 Acq: 30 Jul 2020 10:27

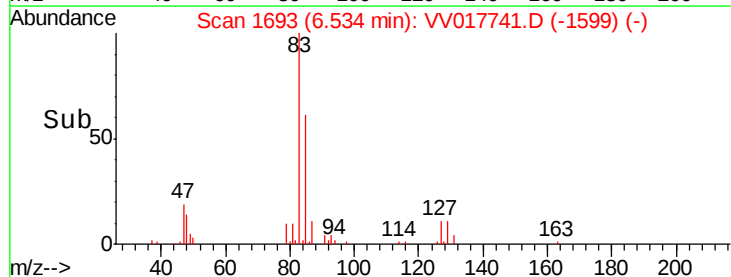
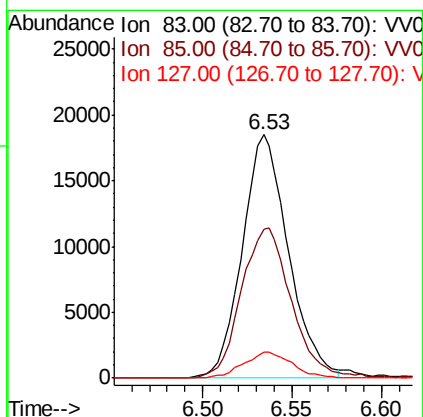
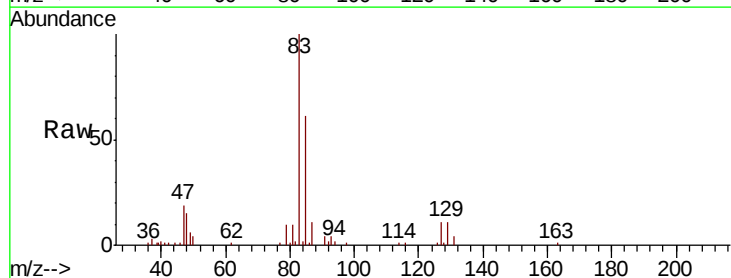
Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD01062

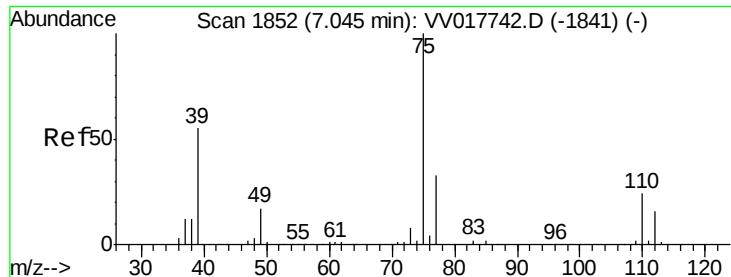
Tot Ion: 63 Resp: 19227
 Ion Ratio Lower Upper
 63 100
 112 3.5 4.6 6.8#



#38
 Bromodichloromethane
 Concen: 9.334 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017741.D
 Acq: 30 Jul 2020 10:27

Tgt Ion: 83 Resp: 33446
 Ion Ratio Lower Upper
 83 100
 85 61.1 44.8 83.2
 127 10.7 7.4 11.0

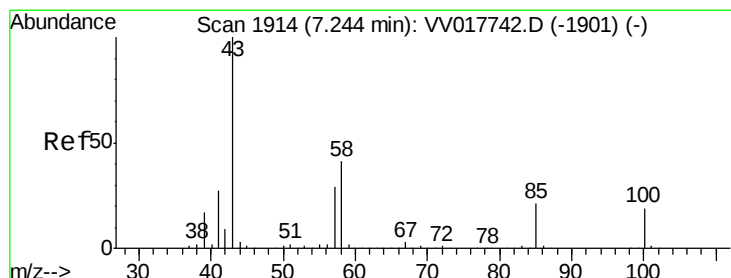
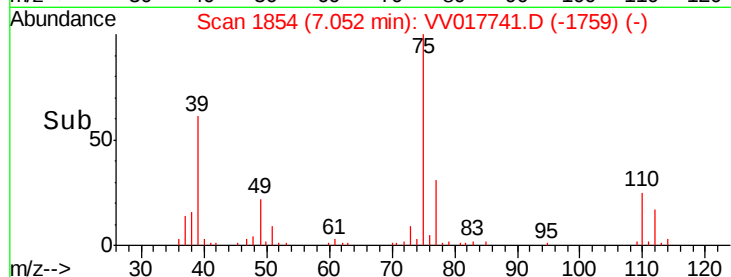
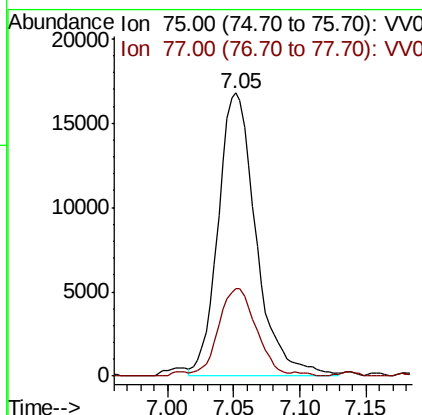
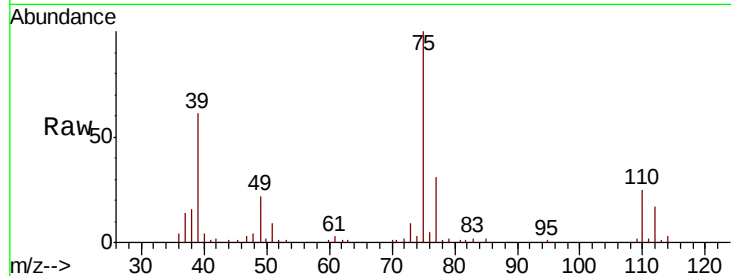




#39
 cis-1,3-Dichloropropene
 Concen: 8.381 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.01 min
 Lab File: VV017741.D
 Acq: 30 Jul 2020 10:27

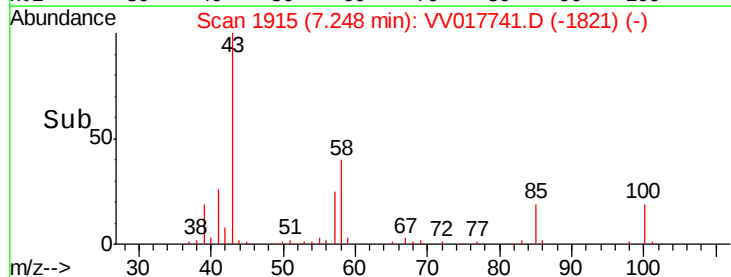
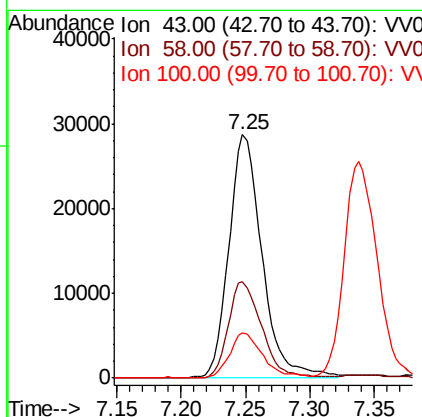
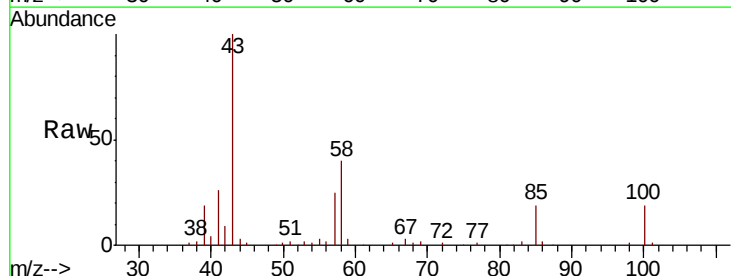
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01062

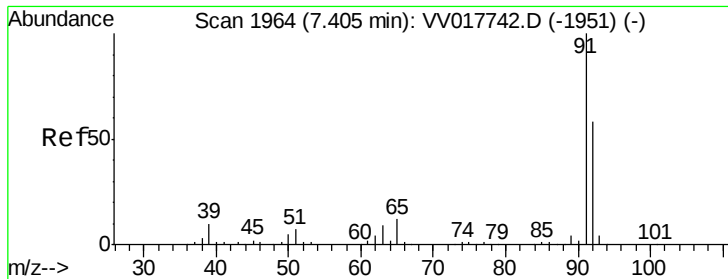
Tot Ion: 75 Resp: 33473
 Ion Ratio Lower Upper
 75 100
 77 30.9 23.2 43.0



#40
 4-Methyl-2-pentanone
 Concen: 15.985 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV017741.D
 Acq: 30 Jul 2020 10:27

Tgt Ion: 43 Resp: 51587
 Ion Ratio Lower Upper
 43 100
 58 39.6 32.4 48.6
 100 17.9 14.9 22.3





#42

Toluene

Concen: 8.924 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.01 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

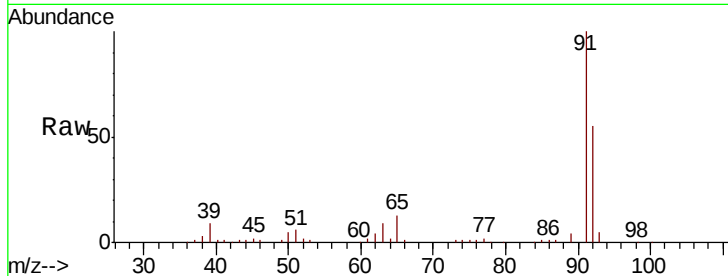
VSTD01062

Tot Ion: 91 Resp: 92346

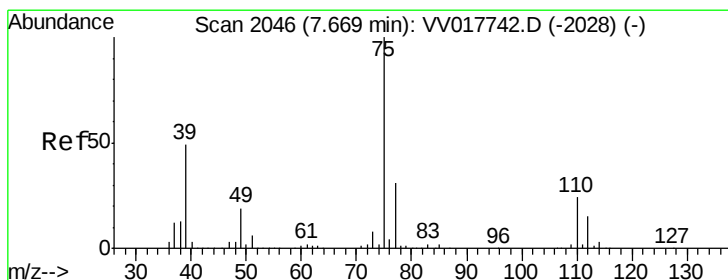
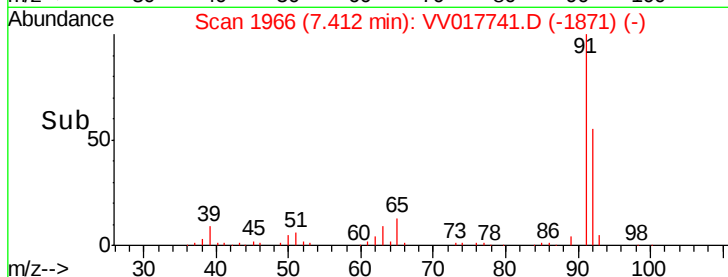
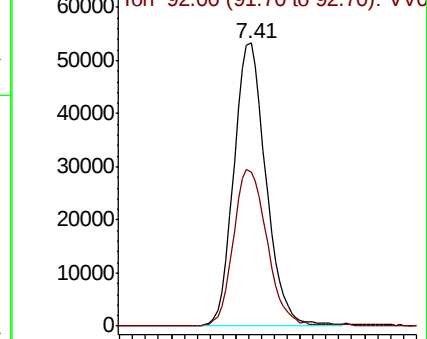
Ion Ratio Lower Upper

91 100

92 54.7 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV017741.D (-1871) (-)



#44

trans-1,3-Dichloropropene

Concen: 8.365 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV017741.D

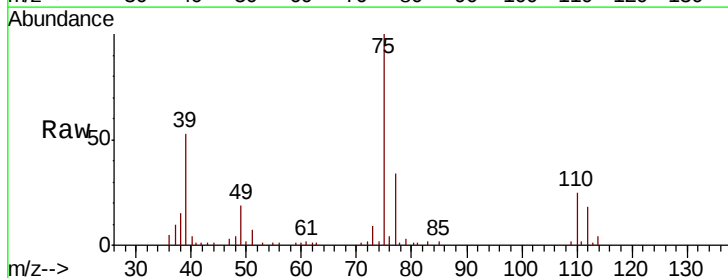
Acq: 30 Jul 2020 10:27

Tgt Ion: 75 Resp: 33781

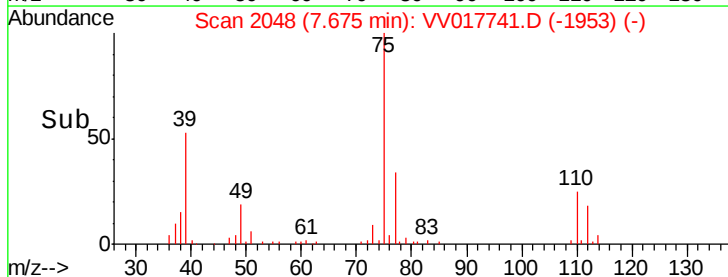
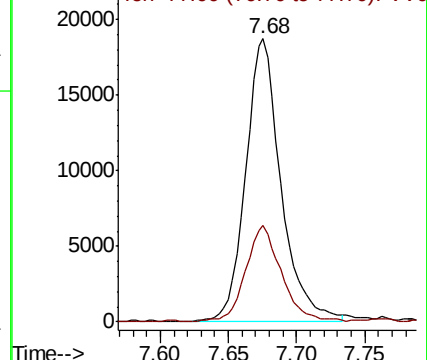
Ion Ratio Lower Upper

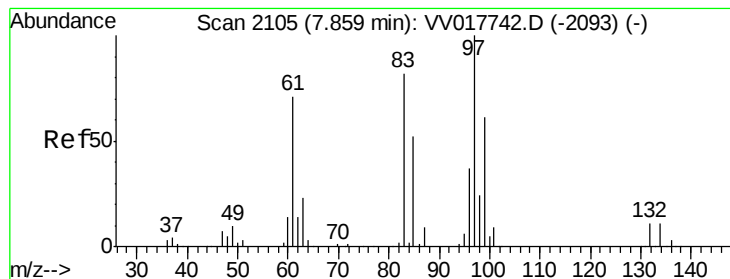
75 100

77 34.0 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV017741.D (-1953) (-)





#45

1,1,2-Trichloroethane

Concen: 9.342 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

Tot Ion: 97 Resp: 22606

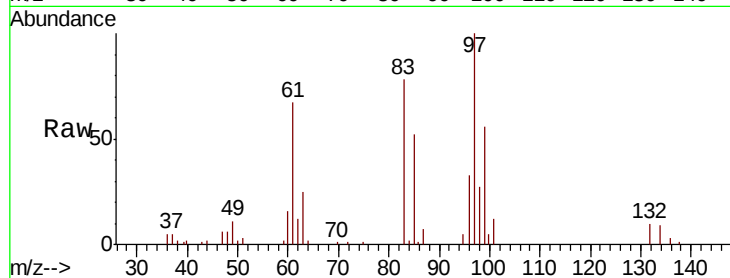
Ion Ratio Lower Upper

97 100

99 55.6 43.0 80.0

83 78.2 57.3 106.5

85 51.7 36.6 68.0

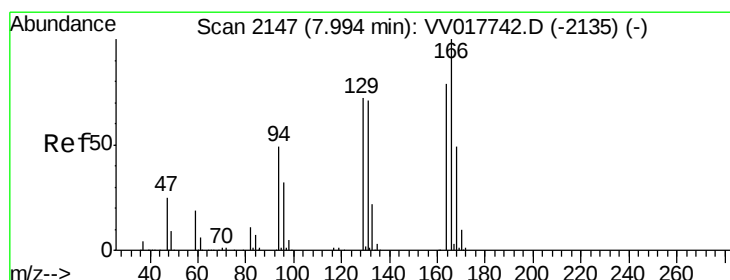
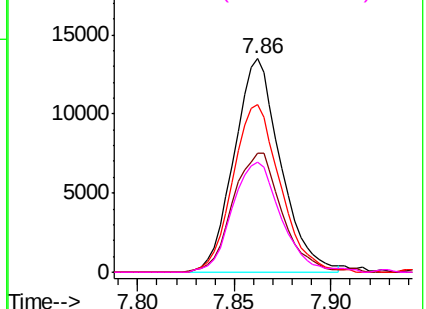
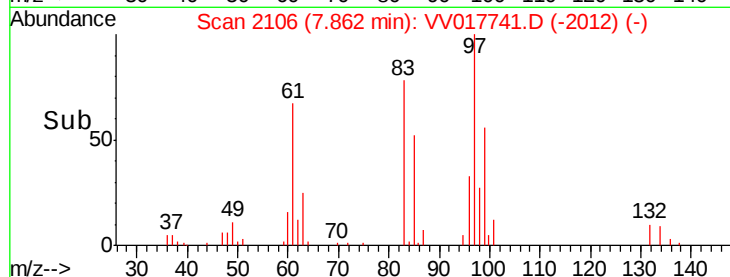


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 9.553 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

Tgt Ion: 164 Resp: 21196

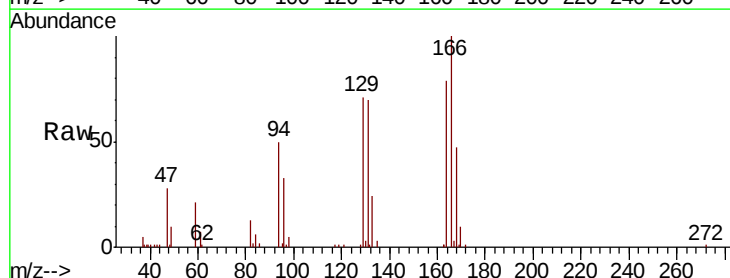
Ion Ratio Lower Upper

164 100

129 89.9 63.9 118.7

131 88.3 62.6 116.3

166 125.8 88.3 164.1

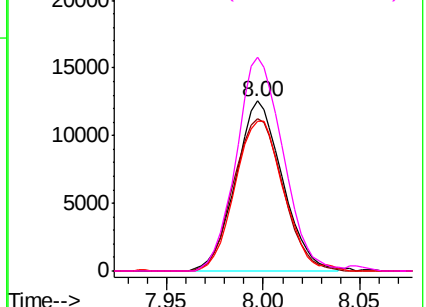
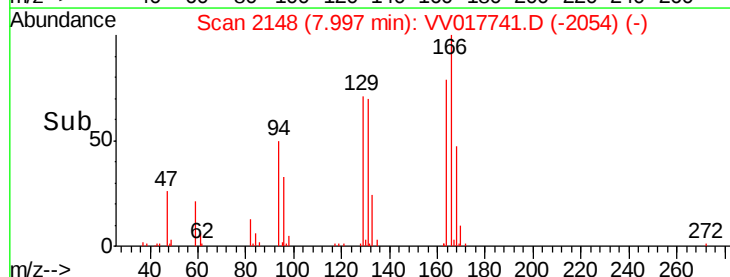


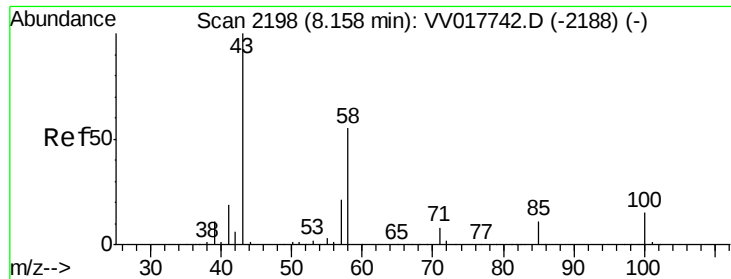
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

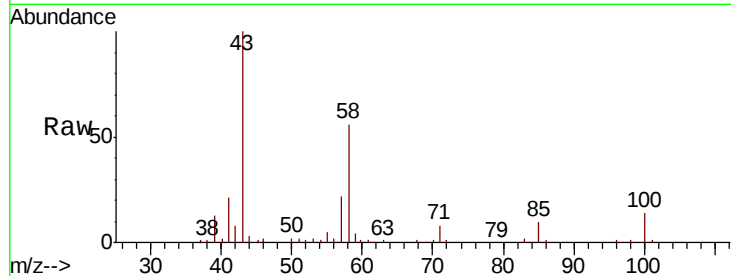




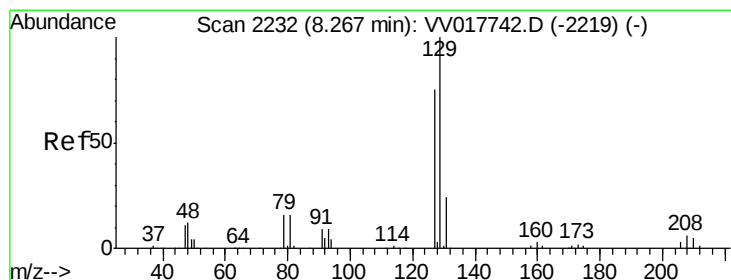
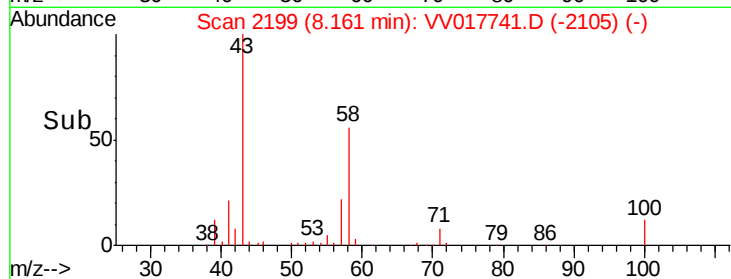
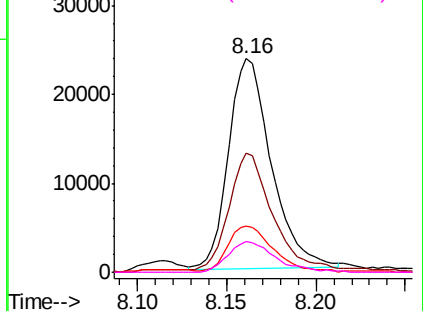
#48
2-Hexanone
Concen: 15.188 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV017741.D
Acq: 30 Jul 2020 10:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD01062

Tot Ion: 43 Resp: 39362
Ion Ratio Lower Upper
43 100
58 56.5 42.8 64.2
57 23.3 16.6 24.8
100 15.1 11.6 17.4

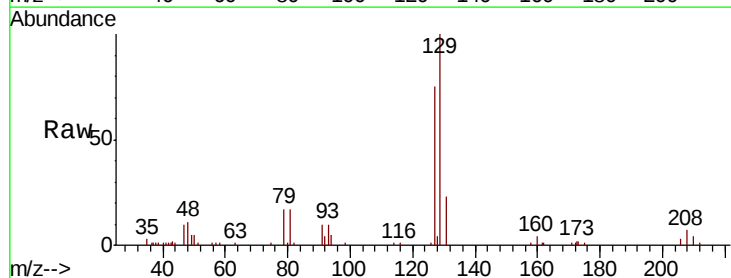


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

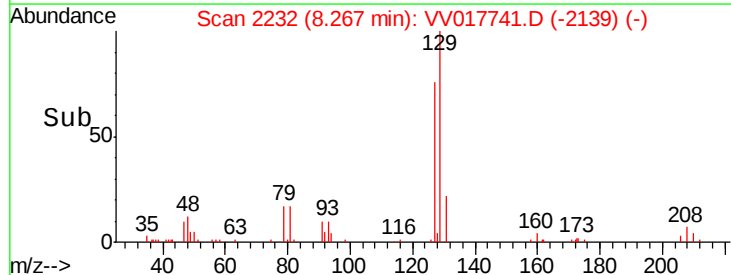
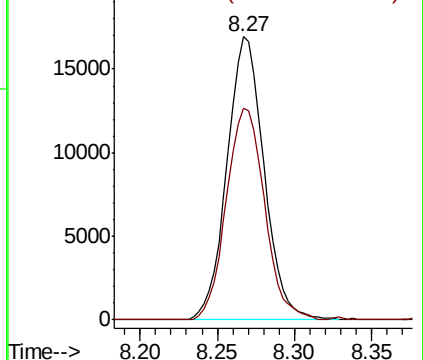


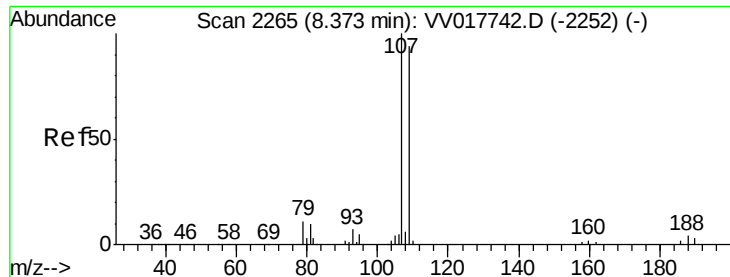
#49
Dibromochloromethane
Concen: 9.390 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017741.D
Acq: 30 Jul 2020 10:27

Tgt Ion: 129 Resp: 28189
Ion Ratio Lower Upper
129 100
127 74.6 52.6 97.8



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

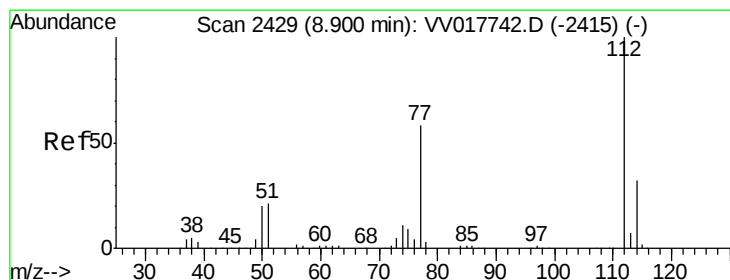
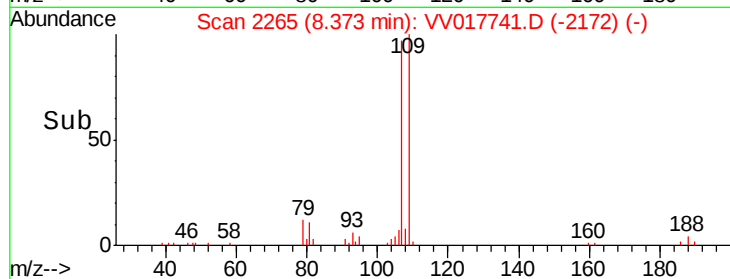
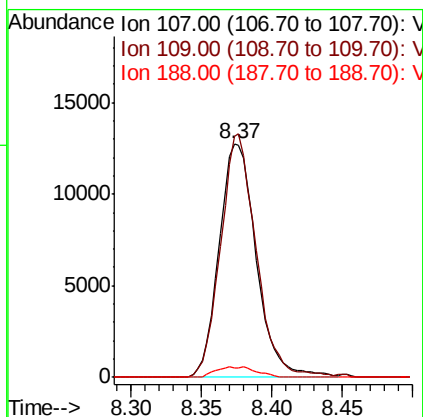
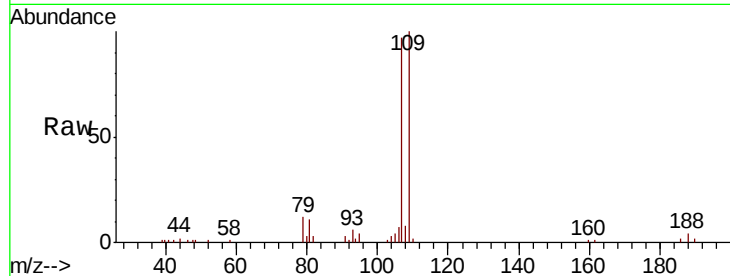




#50
1,2-Dibromoethane
Concen: 8.941 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV017741.D
Acq: 30 Jul 2020 10:27

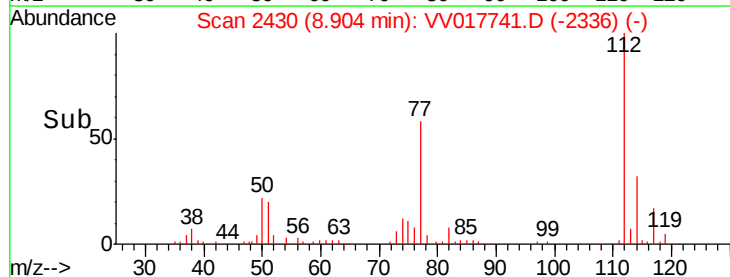
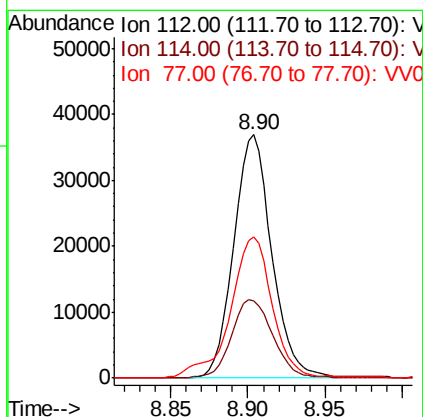
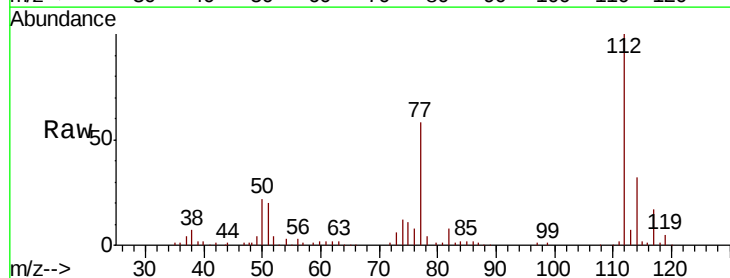
Instrument :
MSVOA_V
ClientSampleId :
VSTD01062

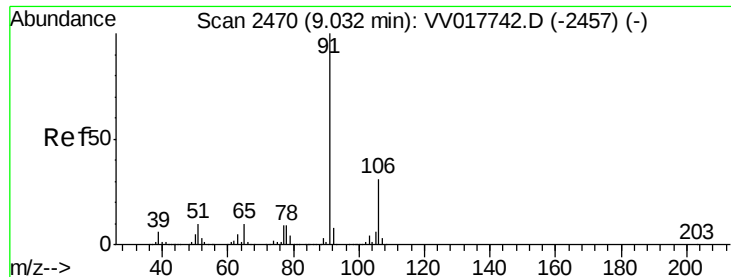
Tot Ion:107 Resp: 23491
Ion Ratio Lower Upper
107 100
109 103.3 65.5 121.7
188 4.2 3.6 5.4



#51
Chlorobenzene
Concen: 9.168 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017741.D
Acq: 30 Jul 2020 10:27

Tgt Ion:112 Resp: 63161
Ion Ratio Lower Upper
112 100
114 31.5 22.7 42.1
77 58.1 46.6 70.0





#52

Ethylbenzene

Concen: 8.787 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

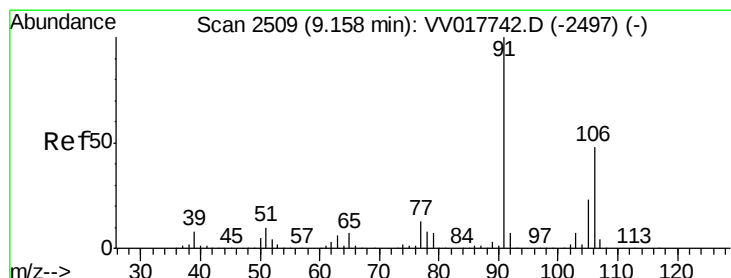
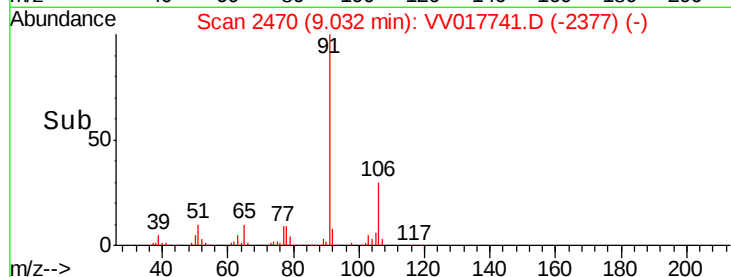
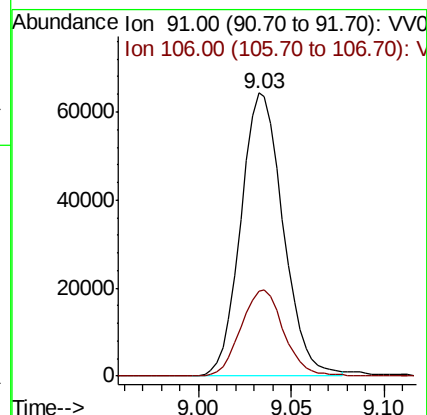
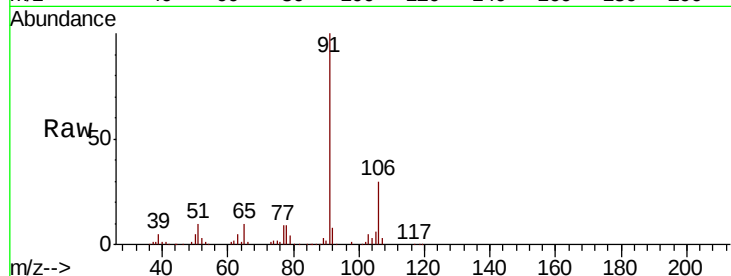
VSTD01062

Tot Ion: 91 Resp: 102108

Ion Ratio Lower Upper

91 100

106 29.8 21.5 39.9



#53

m,p-Xylene

Concen: 9.201 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017741.D

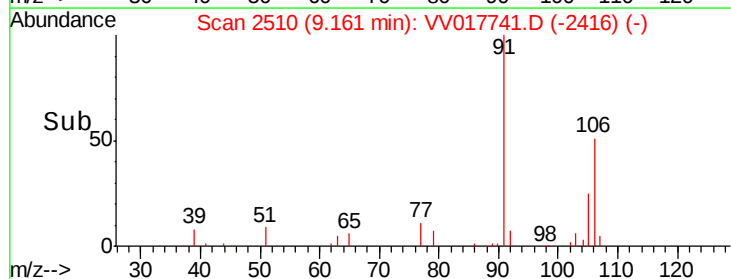
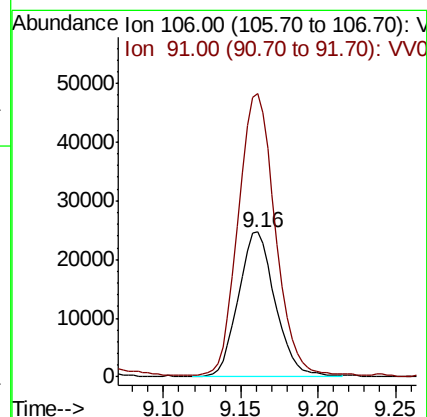
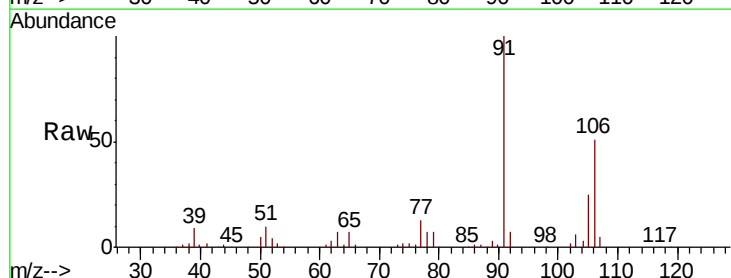
Acq: 30 Jul 2020 10:27

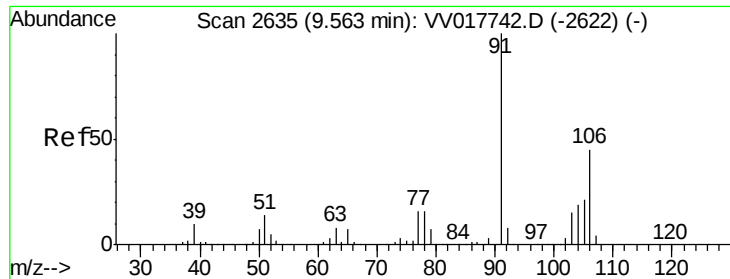
Tgt Ion: 106 Resp: 40916

Ion Ratio Lower Upper

106 100

91 195.1 145.8 270.8





#54

o-xylene

Concen: 8.969 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

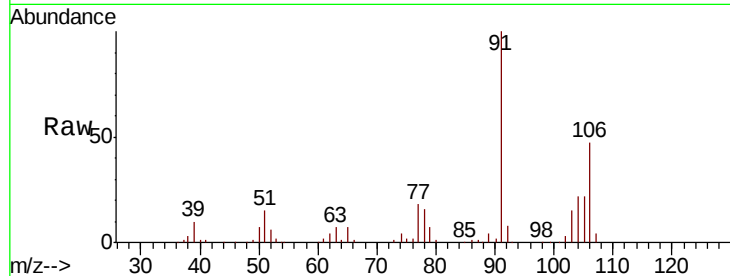
VSTD01062

Tot Ion:106 Resp: 38731

Ion Ratio Lower Upper

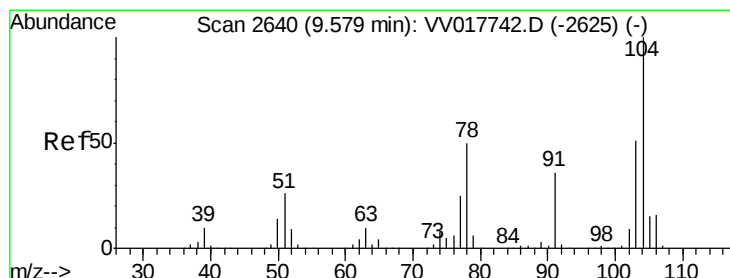
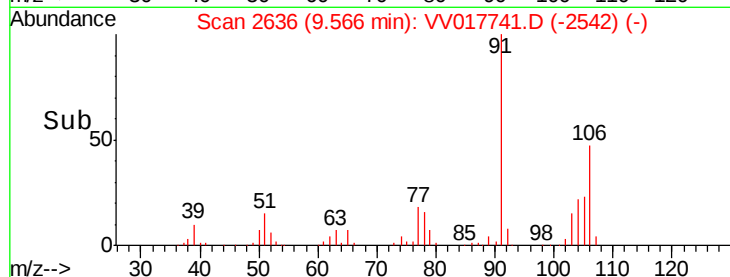
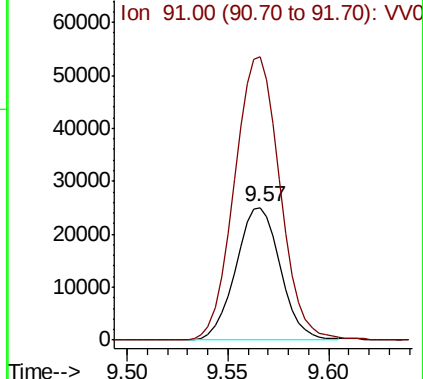
106 100

91 213.0 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 8.763 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV017741.D

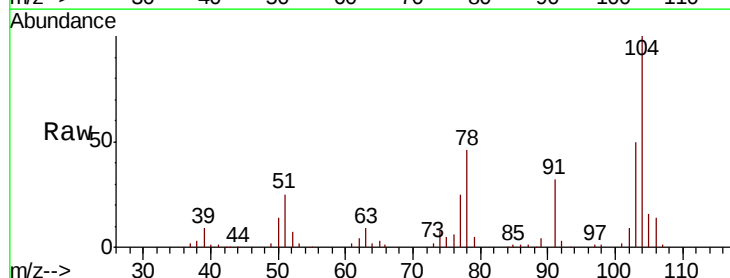
Acq: 30 Jul 2020 10:27

Tgt Ion:104 Resp: 64549

Ion Ratio Lower Upper

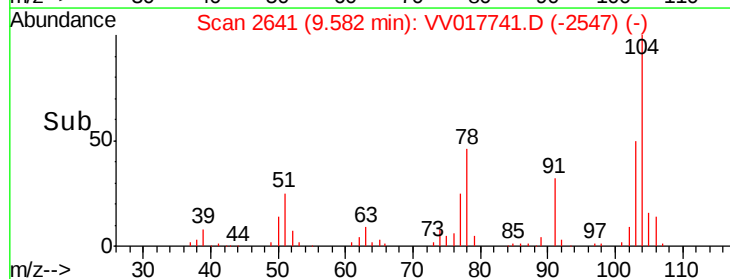
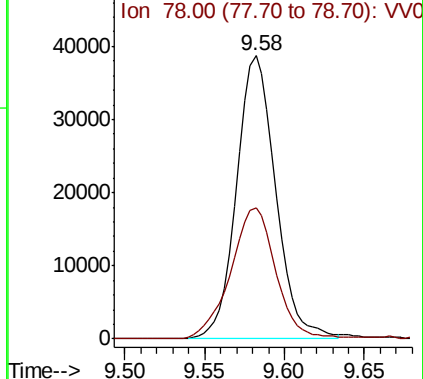
104 100

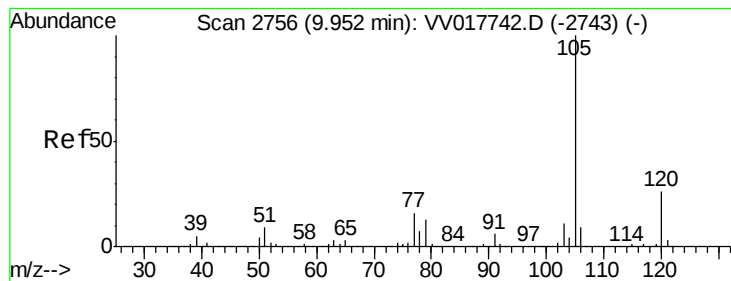
78 46.1 34.9 64.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 8.819 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

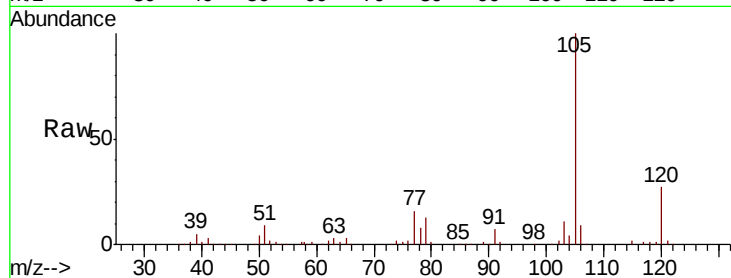
Tot Ion:105 Resp: 103265

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.6

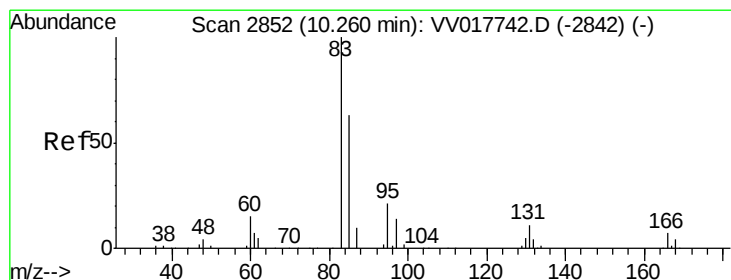
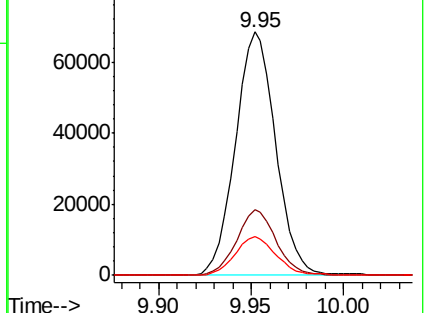
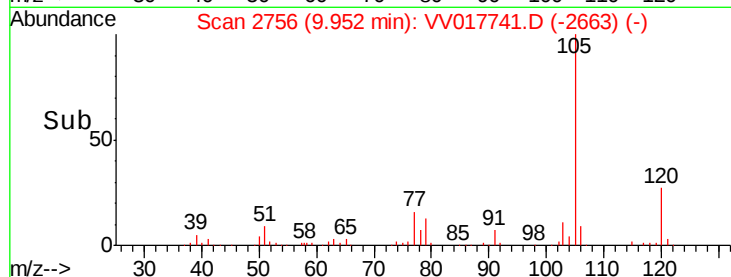
77 16.0 13.2 19.8



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: 8.503 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

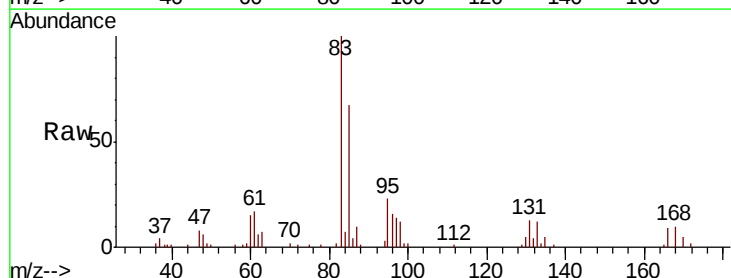
Tgt Ion: 83 Resp: 31808

Ion Ratio Lower Upper

83 100

85 67.0 45.6 84.8

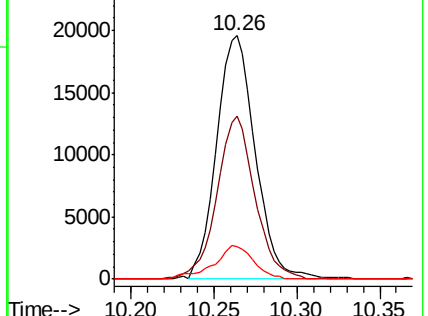
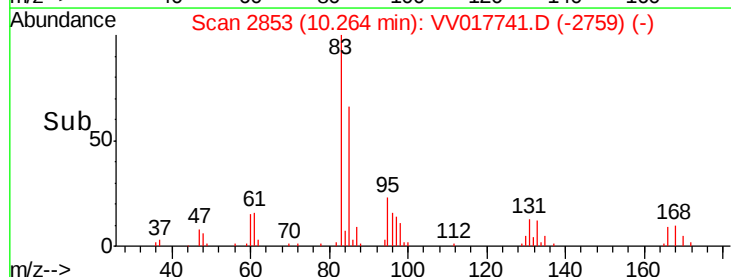
131 13.5 9.5 14.3

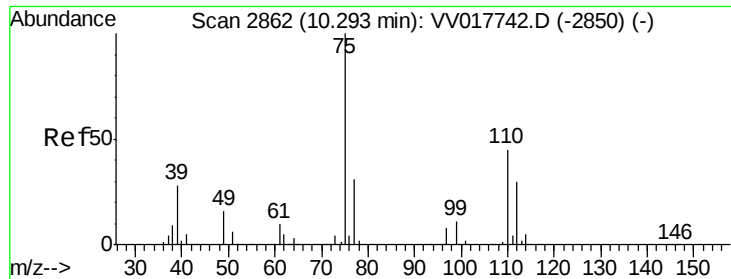


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 8.952 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

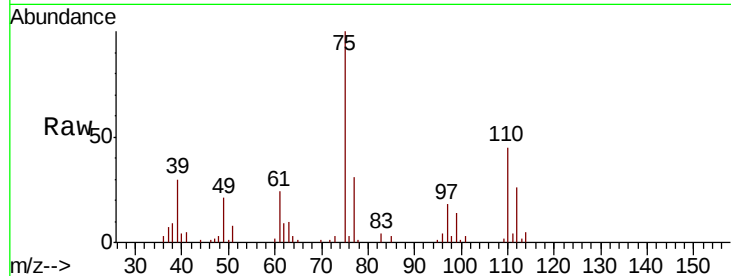
VSTD01062

Tot Ion: 75 Resp: 28126

Ion Ratio Lower Upper

75 100

77 32.1 25.1 37.7



Abundance Ion 75.00 (74.70 to 75.70): VV017742.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV017742.D (-2850) (-)

10.30

20000

15000

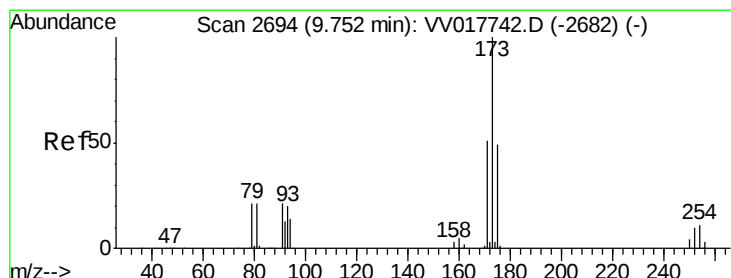
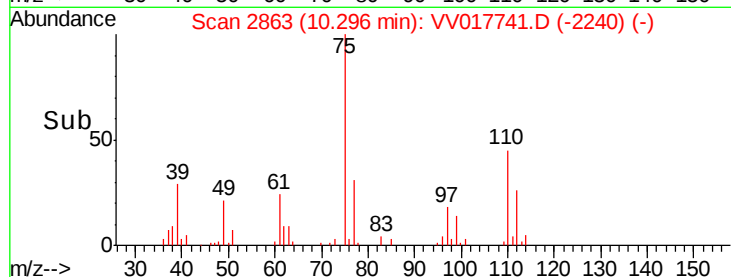
10000

5000

0

Time-->

10.25 10.30 10.35



#61

Bromoform

Concen: 9.050 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

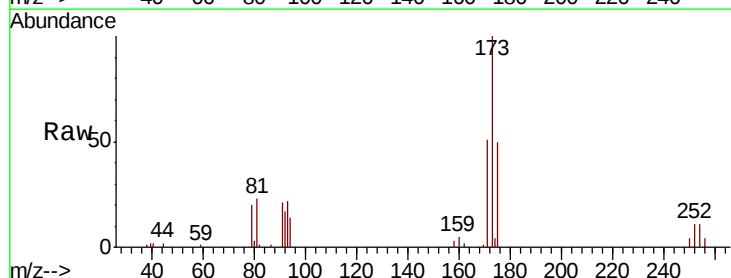
Tgt Ion: 173 Resp: 20280

Ion Ratio Lower Upper

173 100

175 48.5 39.8 59.8

254 9.3 8.4 12.6



Abundance Ion 173.00 (172.70 to 173.70): VV017742.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV017742.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV017742.D (-2682) (-)

9.75

15000

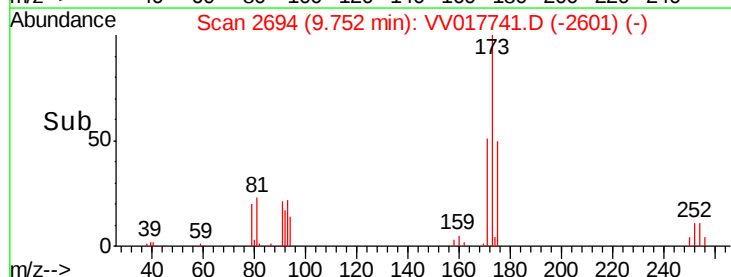
10000

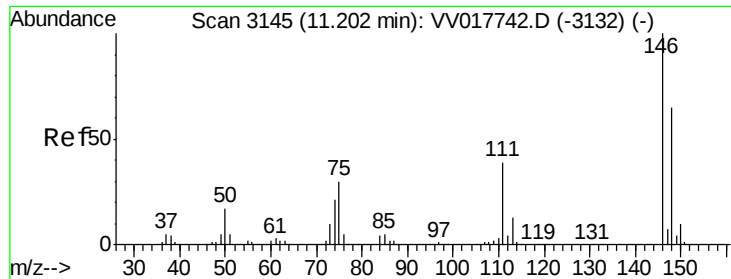
5000

0

Time-->

9.70 9.75 9.80

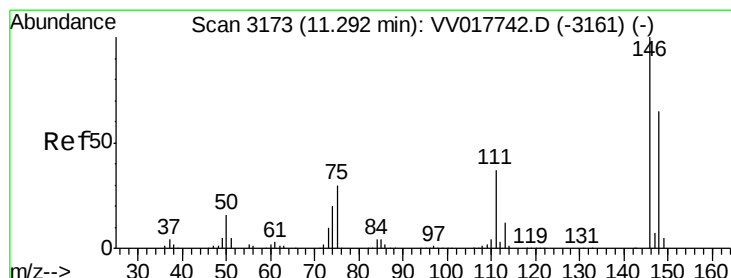
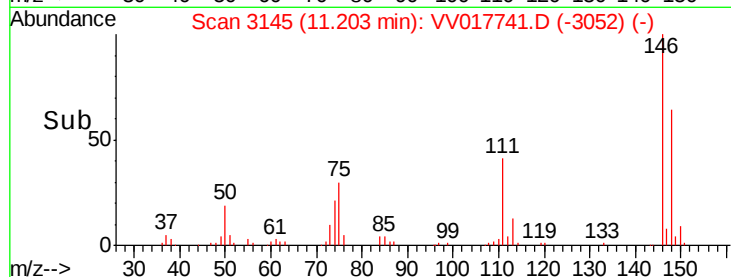
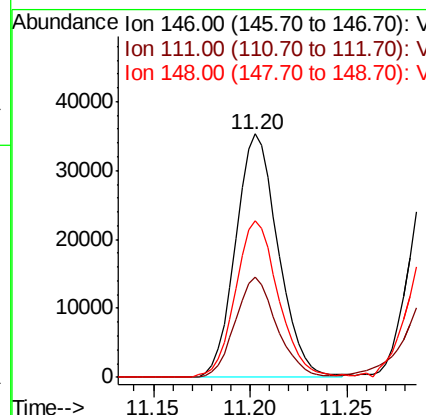
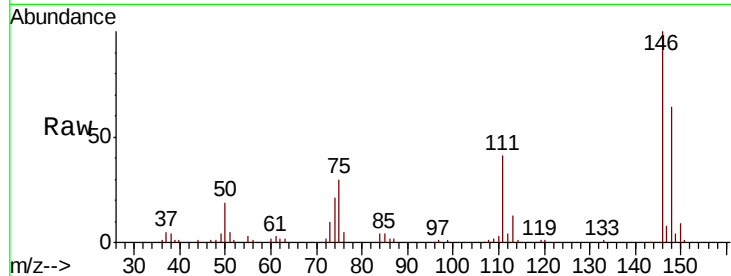




#62
 1,3-Dichlorobenzene
 Concen: 9.334 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV017741.D
 Acq: 30 Jul 2020 10:27

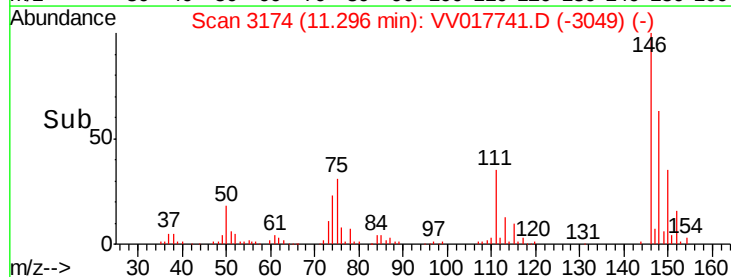
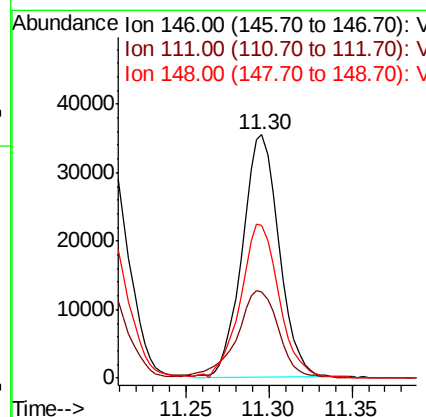
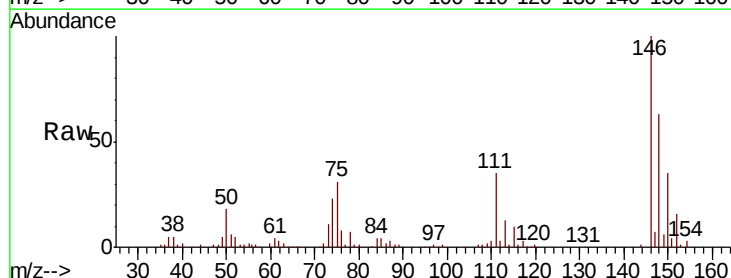
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01062

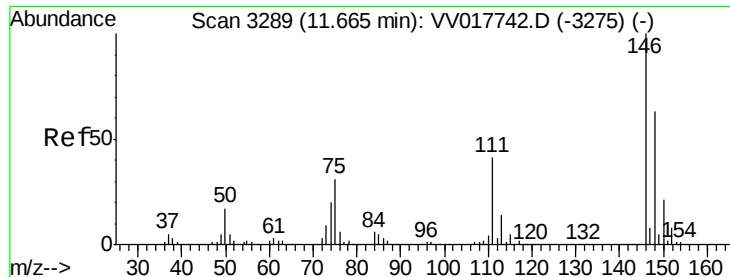
Tot Ion:146 Resp: 53961
 Ion Ratio Lower Upper
 146 100
 111 41.1 27.6 51.4
 148 64.1 45.3 84.1



#63
 1,4-Dichlorobenzene
 Concen: 9.265 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV017741.D
 Acq: 30 Jul 2020 10:27

Tgt Ion:146 Resp: 54792
 Ion Ratio Lower Upper
 146 100
 111 35.1 26.4 49.0
 148 62.9 45.3 84.1





#65

1,2-Dichlorobenzene

Concen: 9.320 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

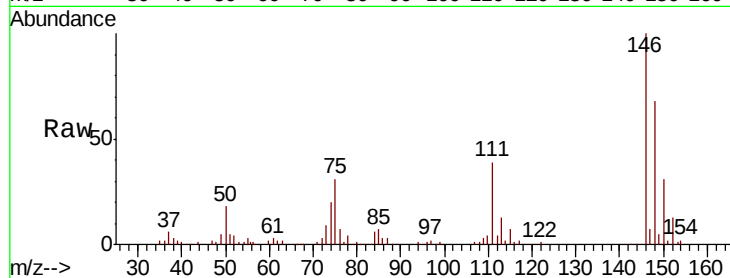
Tot Ion:146 Resp: 54558

Ion Ratio Lower Upper

146 100

111 39.2 32.6 49.0

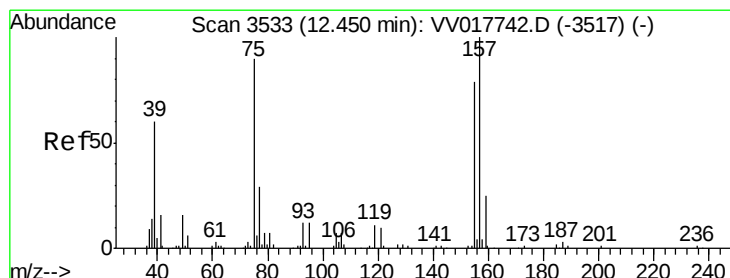
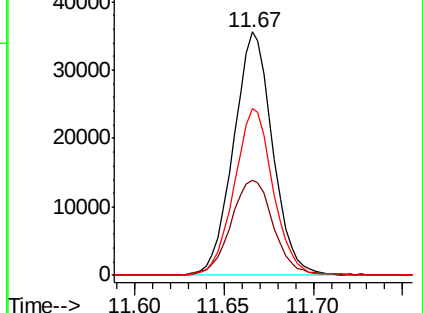
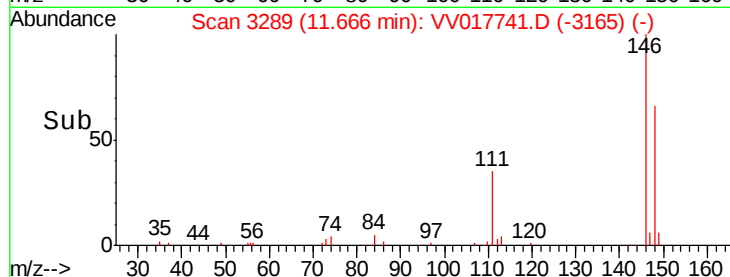
148 68.3 50.4 75.6



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: 8.887 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

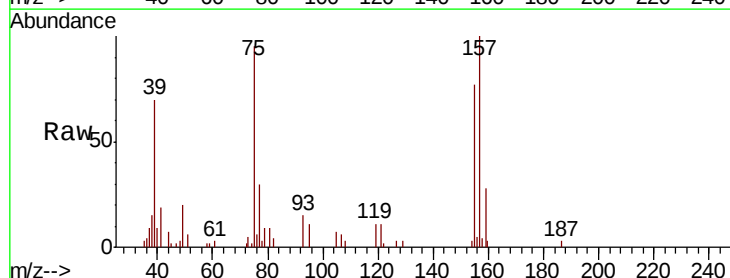
Tgt Ion: 75 Resp: 8402

Ion Ratio Lower Upper

75 100

155 80.9 70.2 105.2

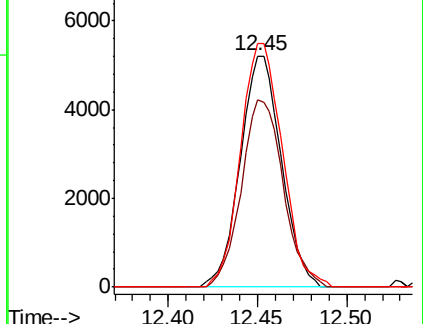
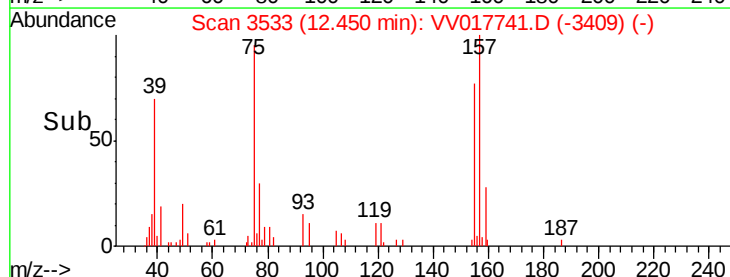
157 105.3 88.9 133.3

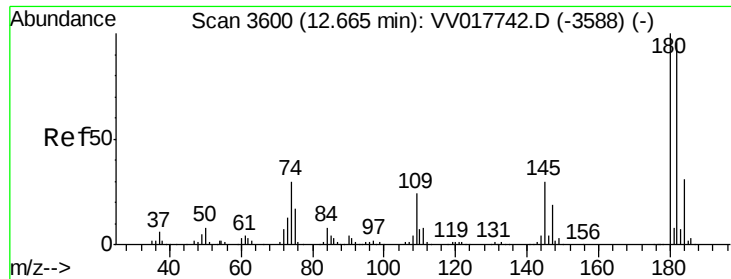


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

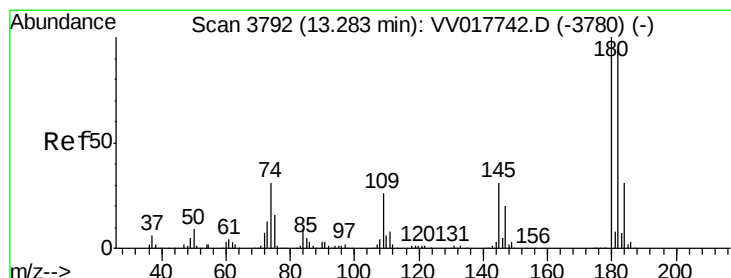
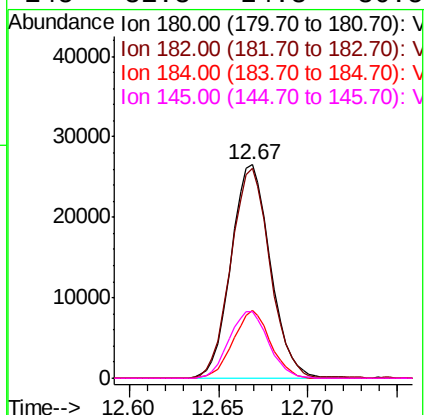
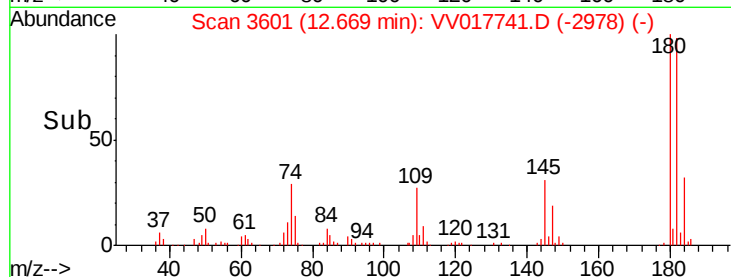
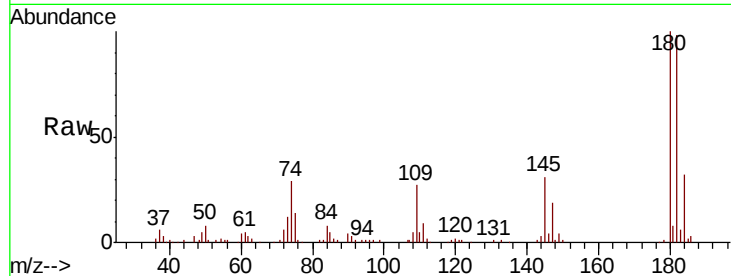




#67
 1,3,5-Trichlorobenzene
 Concen: 8.919 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017741.D
 Acq: 30 Jul 2020 10:27

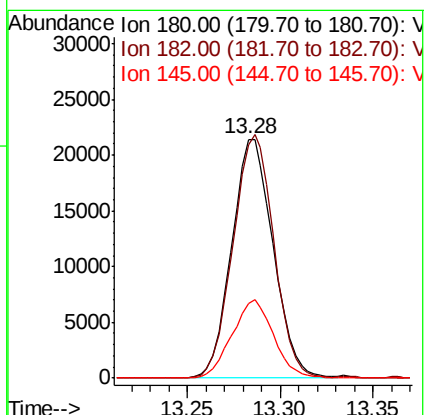
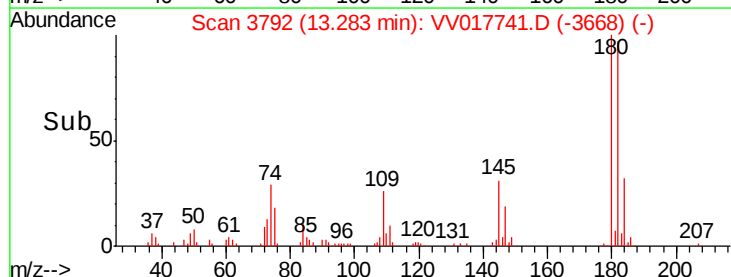
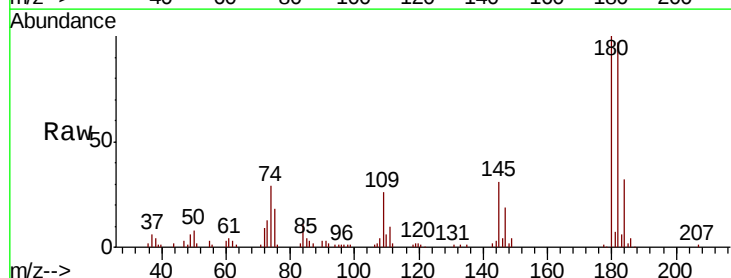
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01062

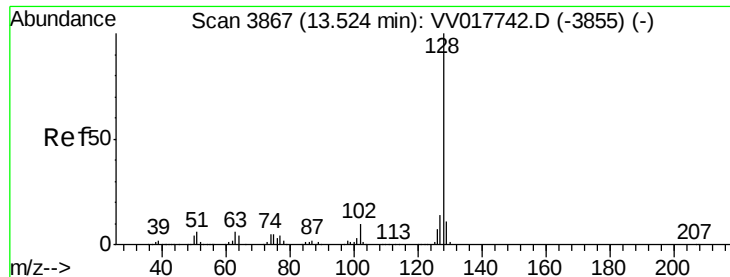
Tot Ion:	180	Resp:	40896
Ion	Ratio	Lower	Upper
180	100		
182	97.6	76.9	115.3
184	29.9	25.1	37.7
145	31.3	24.3	36.5



#68
 1,2,4-trichlorobenzene
 Concen: 8.198 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017741.D
 Acq: 30 Jul 2020 10:27

Tgt Ion:	180	Resp:	33392
Ion	Ratio	Lower	Upper
180	100		
182	99.9	76.0	114.0
145	32.8	24.6	36.8





#69

Naphthalene

Concen: 7.401 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD01062

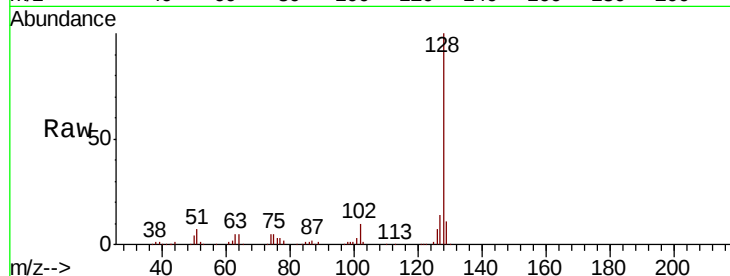
Tot Ion:128 Resp: 82581

Ion Ratio Lower Upper

128 100

127 13.5 10.7 16.1

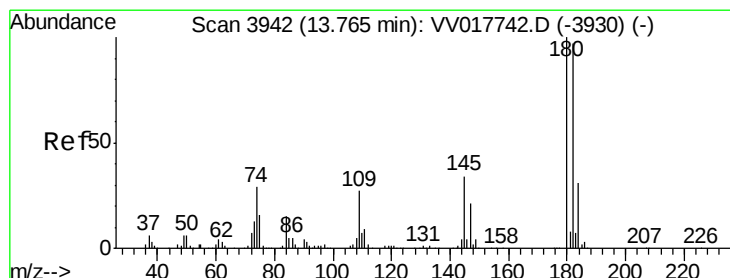
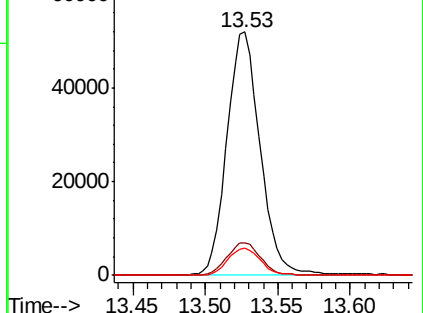
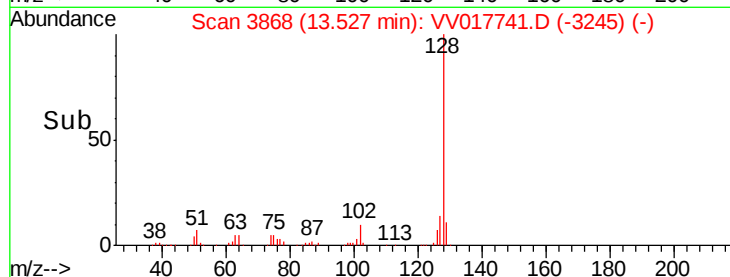
129 11.0 8.4 12.6



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: 8.352 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017741.D

Acq: 30 Jul 2020 10:27

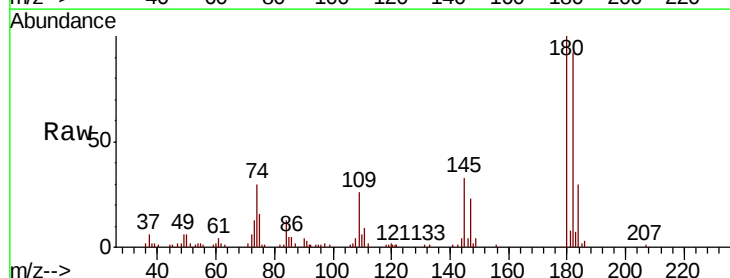
Tgt Ion:180 Resp: 33754

Ion Ratio Lower Upper

180 100

182 97.1 76.7 115.1

145 33.0 26.4 39.6



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

