

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072120\
 Data File : VV017563.D
 Acq On : 21 Jul 2020 14:16
 Operator : SY/MD
 Sample : VSTD05062
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

Quant Time: Jul 22 02:37:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 22 02:35:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	344771	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	329497	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	176285	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	104901	53.84	ug/L	0.00
7) Chloroethane-d5	1.58	69	68134	44.16	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	211200	45.64	ug/L	0.00
21) 2-Butanone-d5	3.91	46	163964	112.81	ug/L	0.00
24) Chloroform-d	4.38	84	242060	53.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	164284	53.60	ug/L	0.00
32) Benzene-d6	5.07	84	438450	57.72	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	133022	58.69	ug/L	0.00
41) Toluene-d8	7.34	98	421789	58.61	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	76881	56.33	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	127269	120.89	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	189312	58.65	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	185787	55.90	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	177474	53.826	ug/L	100
3) Chloromethane	1.25	50	134217	50.975	ug/L	100
5) Vinyl chloride	1.32	62	130211	47.554	ug/L	100
6) Bromomethane	1.53	94	78375	44.621	ug/L	100
8) Chloroethane	1.60	64	62861	41.293	ug/L	100
9) Trichlorofluoromethane	1.76	101	216014	45.867	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	105194	42.185	ug/L	100
12) 1,1-Dichloroethene	2.13	96	98887	43.842	ug/L	100
13) Acetone	2.19	43	143177	84.961	ug/L	100
14) Carbon disulfide	2.31	76	347926	53.517	ug/L	100
15) Methyl Acetate	2.44	43	125877	49.968	ug/L	100
16) Methylene chloride	2.52	84	127345	48.208	ug/L	100
17) trans-1,2-Dichloroethene	2.78	96	120056	52.175	ug/L	100
18) Methyl tert-butyl Ether	2.78	73	406676	50.239	ug/L	100
19) 1,1-Dichloroethane	3.21	63	220847	51.891	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	131298	52.551	ug/L	100
22) 2-Butanone	3.99	43	187228	115.700	ug/L	100
23) Bromochloromethane	4.28	128	70609	50.947	ug/L	100
25) Chloroform	4.40	83	238309	50.673	ug/L	100
27) 1,2-Dichloroethane	5.15	62	199613	49.654	ug/L	100
29) Cyclohexane	4.70	56	202840	60.762	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	229461	51.564	ug/L	100
31) Carbon tetrachloride	4.86	117	205281	50.419	ug/L	100
33) Benzene	5.13	78	486272	55.264	ug/L	100
34) Trichloroethene	5.94	95	131640	54.416	ug/L	100
35) Methylcyclohexane	6.15	83	211844	58.530	ug/L	100
37) 1,2-Dichloropropane	6.20	63	121560	54.292	ug/L	100
38) Bromodichloromethane	6.53	83	184699	52.199	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	210684	56.329	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	349569	112.711	ug/L	100

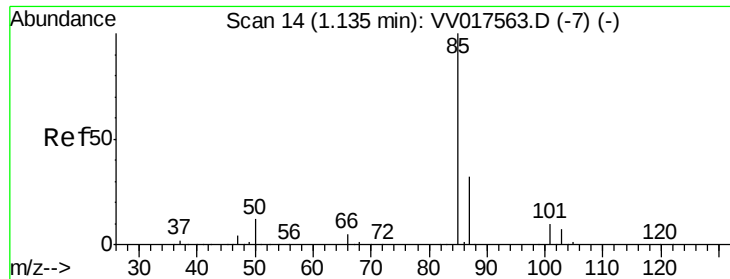
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072120\
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 Quant Title : VOC Analysis
 QLast Update : Wed Jul 22 02:35:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	537361	55.374	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	209694	53.676	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	124241	51.813	ug/L	100
46) Tetrachloroethene	8.00	164	114547	54.488	ug/L	100
48) 2-Hexanone	8.16	43	284466	115.000	ug/L	100
49) Dibromochloromethane	8.27	129	152987	51.294	ug/L	100
50) 1,2-Dibromoethane	8.37	107	136452	52.307	ug/L	100
51) Chlorobenzene	8.90	112	352101	52.084	ug/L	100
52) Ethylbenzene	9.03	91	602038	53.072	ug/L	100
53) m,p-Xylene	9.16	106	232271	54.848	ug/L	100
54) o-xylene	9.56	106	226754	55.108	ug/L	100
55) Styrene	9.58	104	388159	55.348	ug/L	100
56) Isopropylbenzene	9.95	105	620562	55.918	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	200165	55.645	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	160781	52.526	ug/L	100
61) Bromoform	9.75	173	116532	51.529	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	297665	52.828	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	300470	51.276	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	305582	52.403	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	51899	49.045	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	234981	52.343	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	208955	52.018	ug/L	100
69) Naphthalene	13.52	128	614964	54.250	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	212224	53.068	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 53.826 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

Instrument :

MSVOA_V

ClientSampleId :

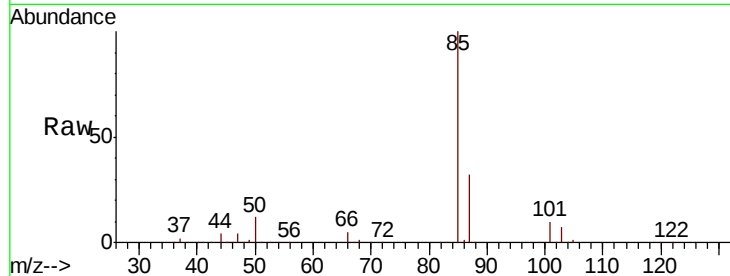
VSTD05062

Tot Ion: 85 Resp: 177474

Ion Ratio Lower Upper

85 100

87 32.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV017563.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV017563.D (-7) (-)

1.14

200000

150000

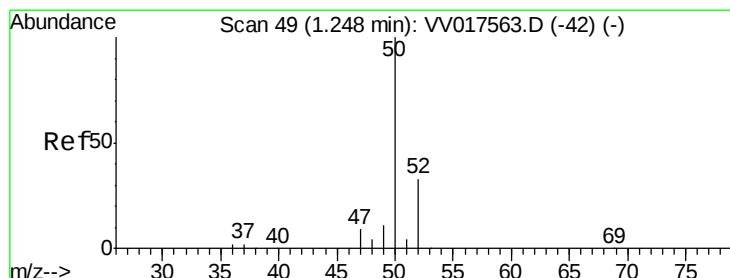
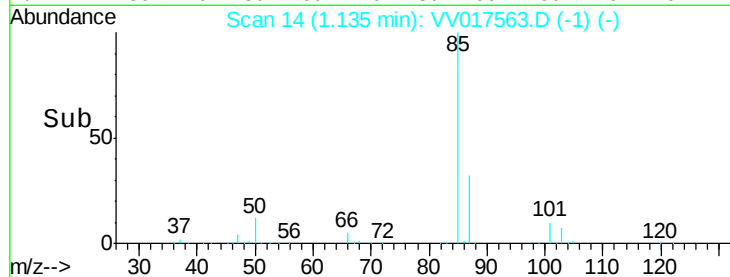
100000

50000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 50.975 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017563.D

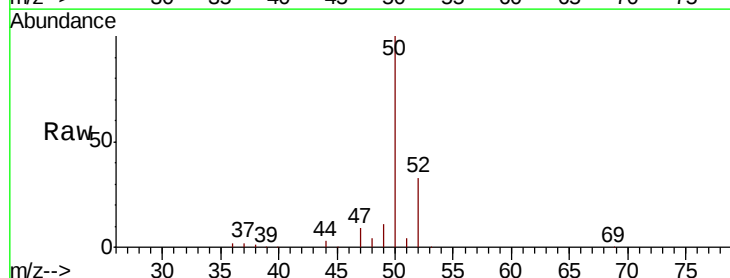
Acq: 21 Jul 2020 14:16

Tgt Ion: 50 Resp: 134217

Ion Ratio Lower Upper

50 100

52 32.5 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV017563.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV017563.D (-42) (-)

1.25

150000

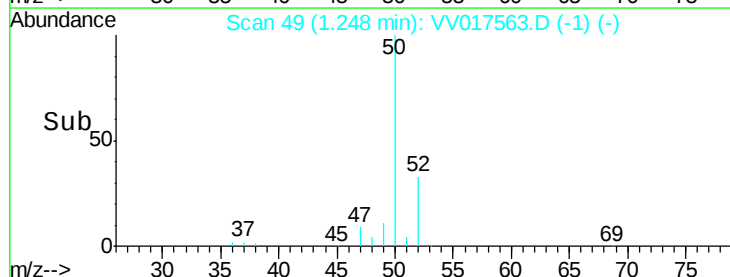
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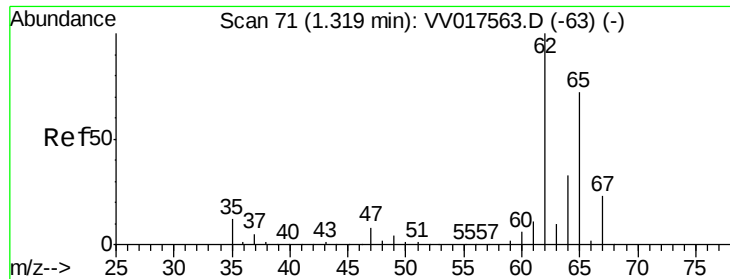
50000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 47.554 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

Instrument :

MSVOA_V

ClientSampleId :

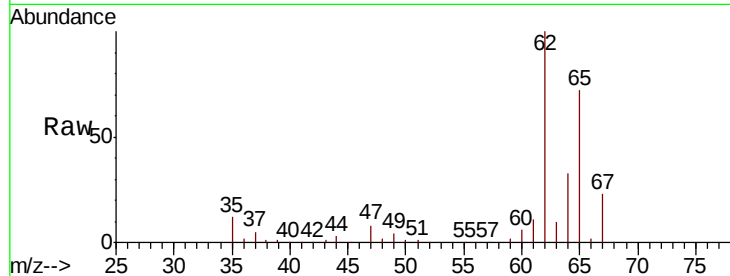
VSTD05062

Tot Ion: 62 Resp: 130211

Ion Ratio Lower Upper

62 100

64 32.6 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

150000

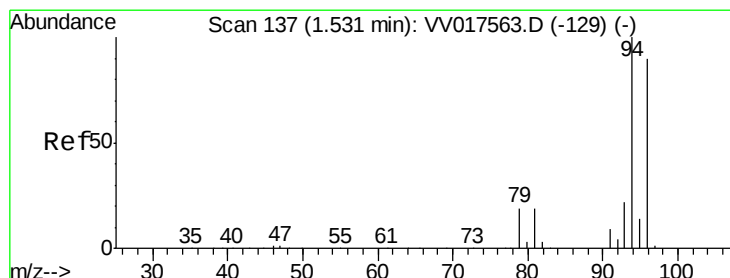
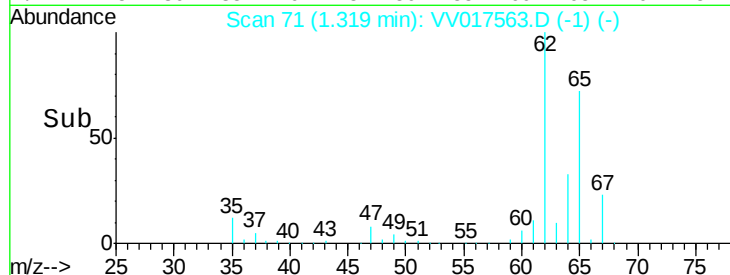
100000

50000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 44.621 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017563.D

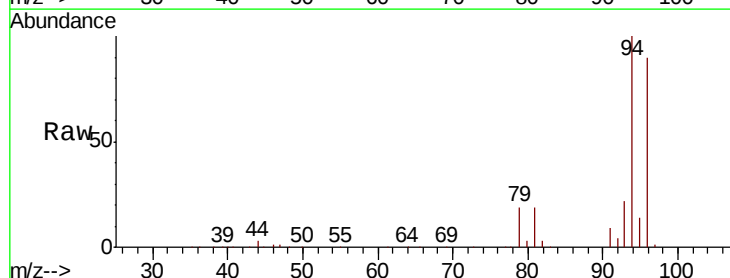
Acq: 21 Jul 2020 14:16

Tgt Ion: 94 Resp: 78375

Ion Ratio Lower Upper

94 100

96 90.5 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

80000

60000

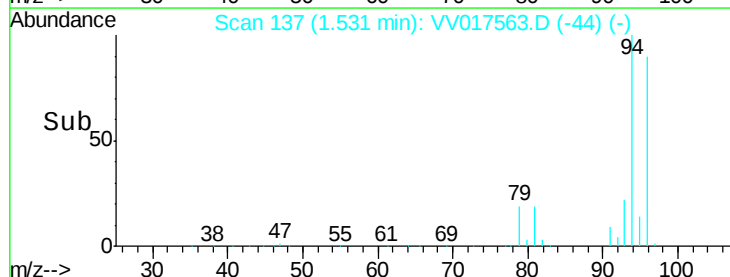
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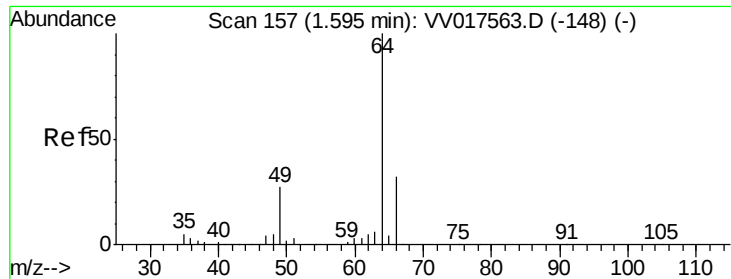
20000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 41.293 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

Instrument :

MSVOA_V

ClientSampleId :

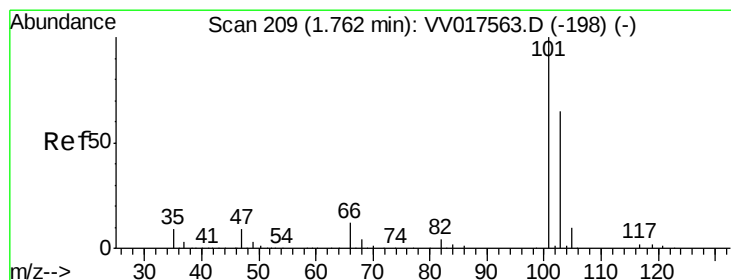
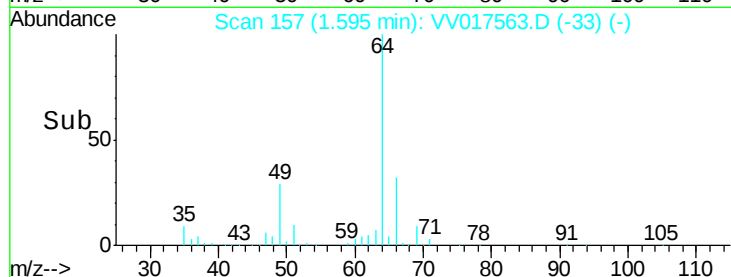
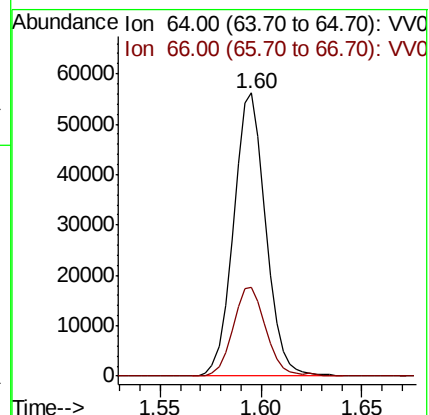
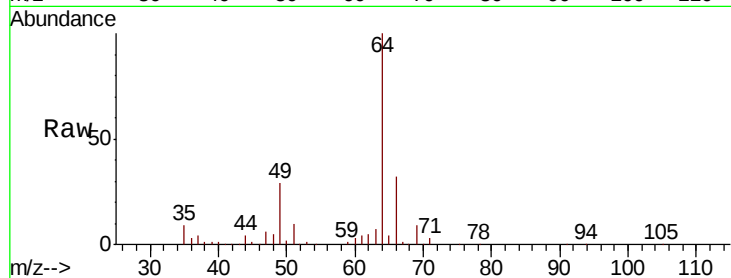
VSTD05062

Tot Ion: 64 Resp: 62861

Ion Ratio Lower Upper

64 100

66 31.6 22.1 41.1



#9

Trichlorofluoromethane

Concen: 45.867 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV017563.D

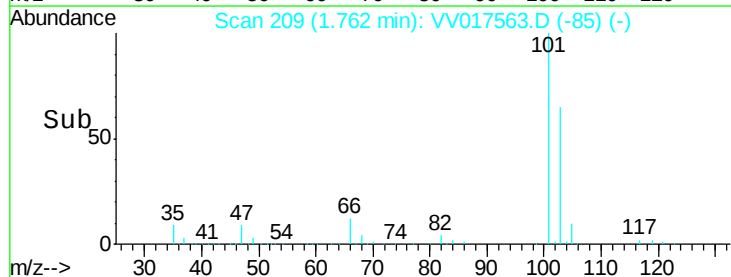
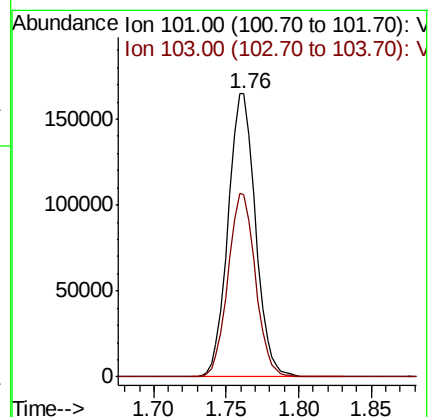
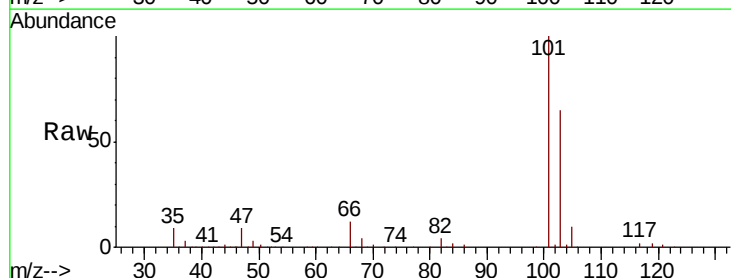
Acq: 21 Jul 2020 14:16

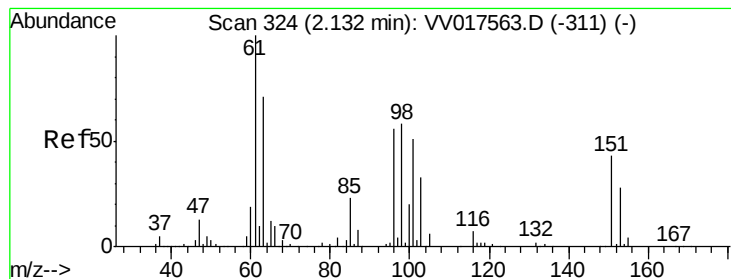
Tgt Ion: 101 Resp: 216014

Ion Ratio Lower Upper

101 100

103 64.7 51.8 77.6





#10

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

Concen: 42.185 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

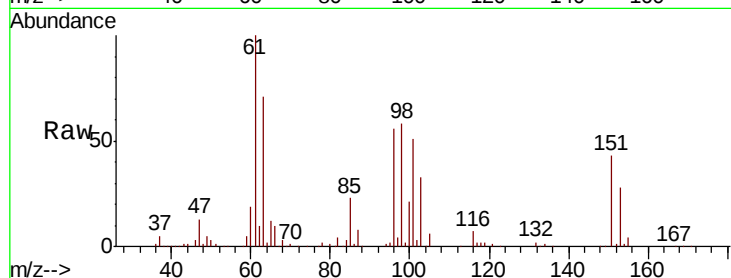
Tot Ion:101 Resp: 105194

Ion Ratio Lower Upper

101 100

85 43.9 35.1 52.7

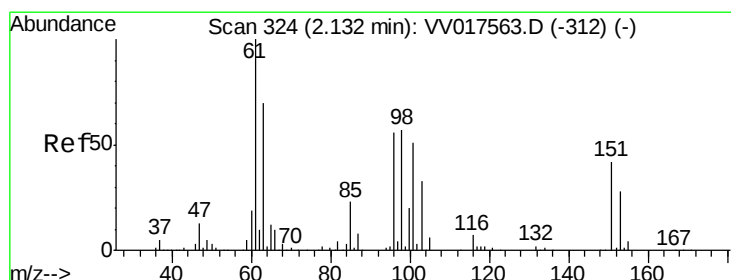
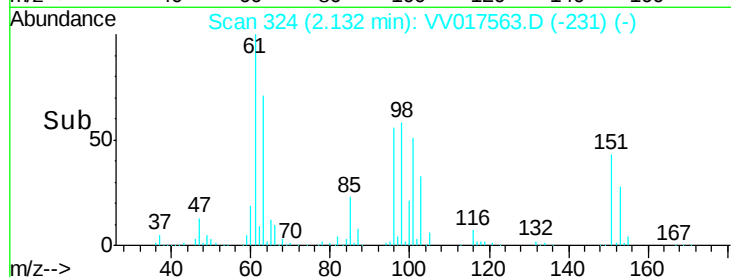
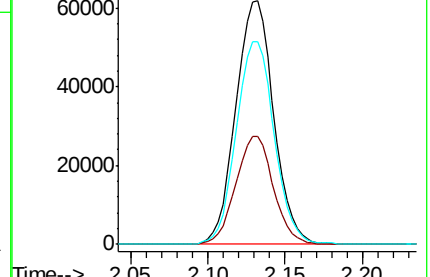
151 83.7 67.0 100.4



Abundance Ion 101.00 (100.70 to 101.70): VV017563.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV017563.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV017563.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 43.842 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

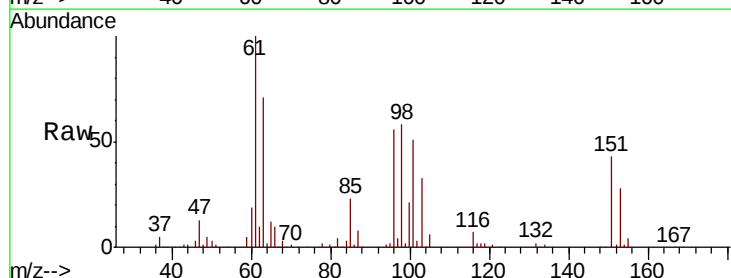
Tgt Ion: 96 Resp: 98887

Ion Ratio Lower Upper

96 100

61 177.9 124.5 231.3

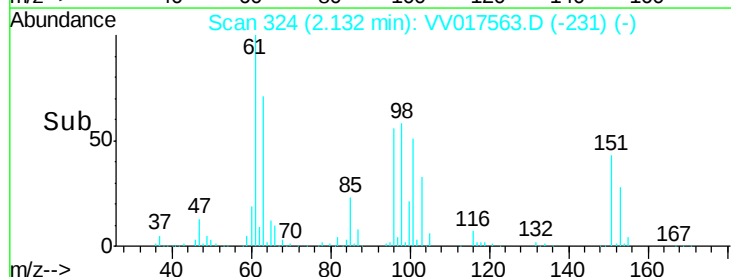
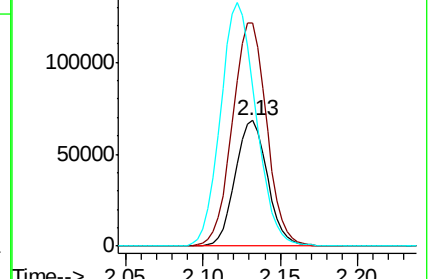
63 127.2 89.0 165.4

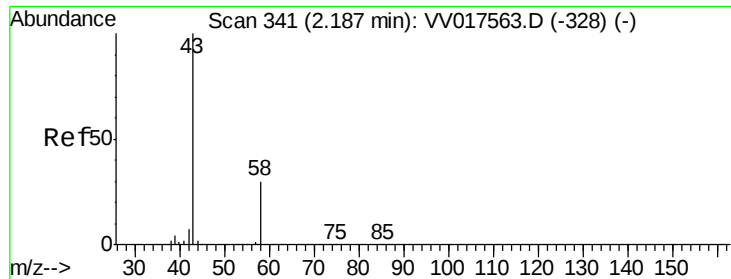


Abundance Ion 96.00 (95.70 to 96.70): VV017563.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV017563.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV017563.D (-312) (-)





#13

Acetone

Concen: 84.961 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

Instrument :

MSVOA_V

ClientSampleId :

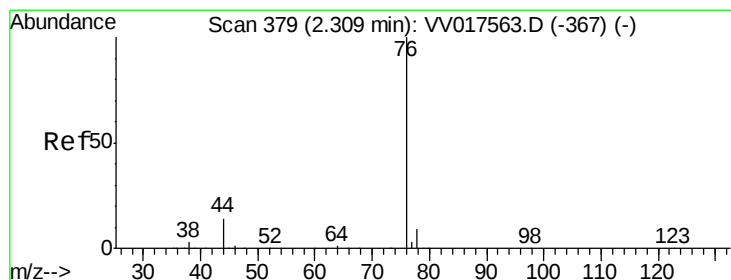
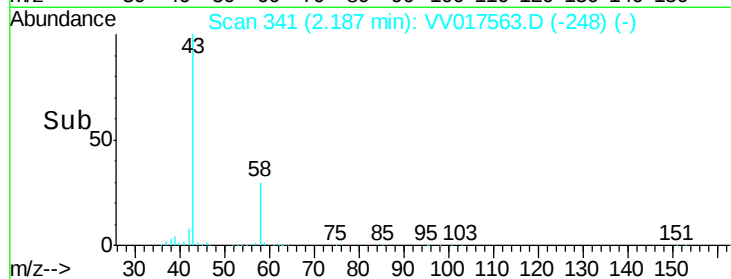
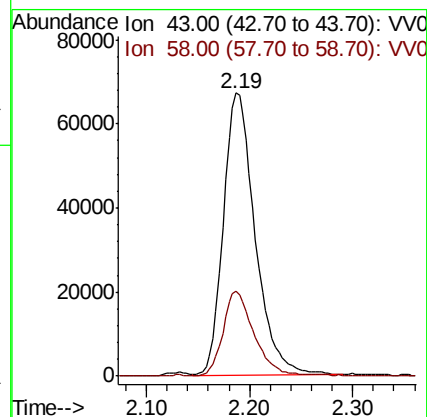
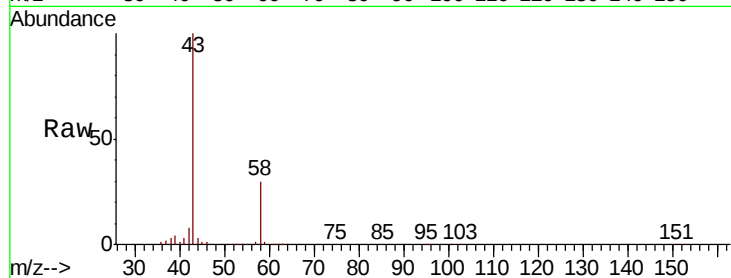
VSTD05062

Tot Ion: 43 Resp: 143177

Ion Ratio Lower Upper

43 100

58 29.0 0.0 58.0



#14

Carbon disulfide

Concen: 53.517 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017563.D

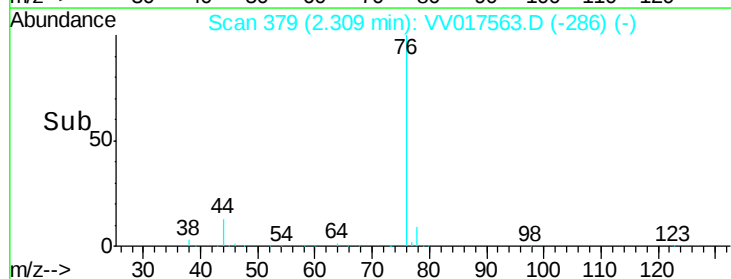
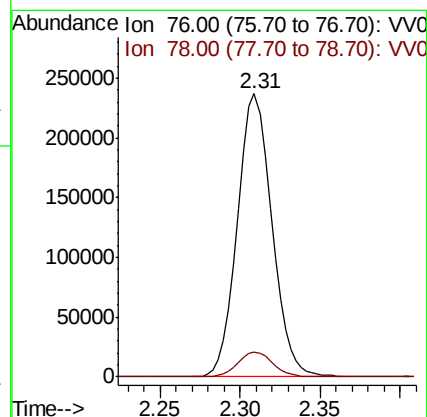
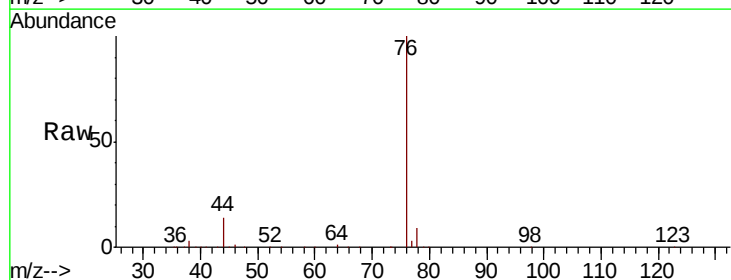
Acq: 21 Jul 2020 14:16

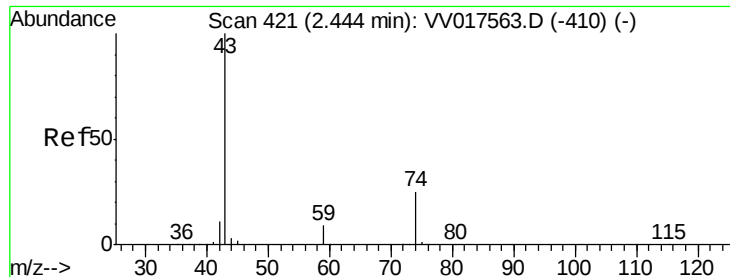
Tgt Ion: 76 Resp: 347926

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

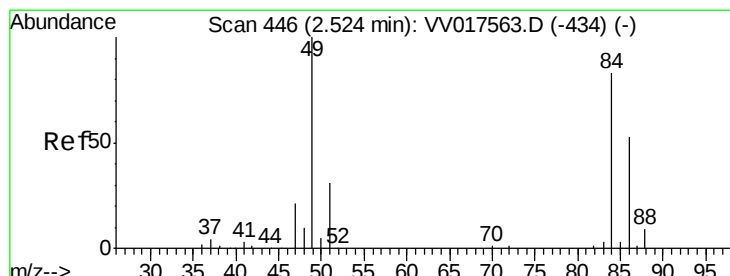
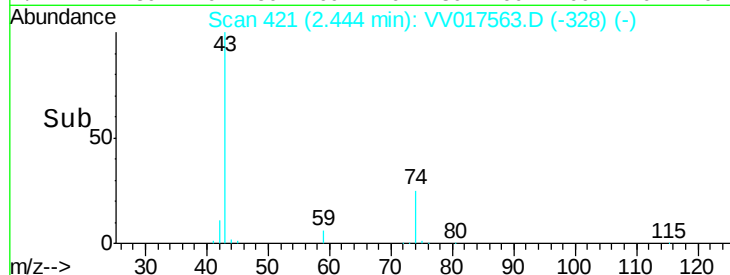
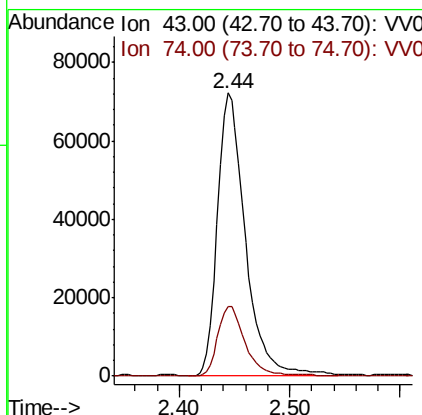
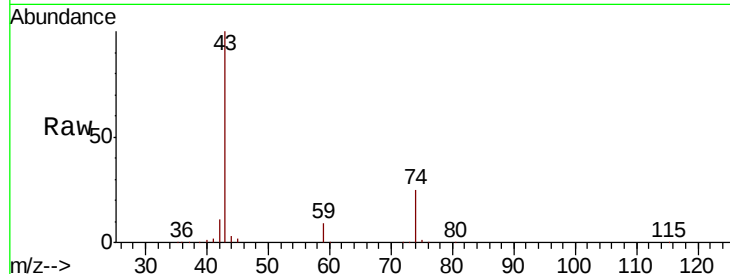




#15
Methvl Acetate
Concen: 49.968 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV017563.D
Acq: 21 Jul 2020 14:16

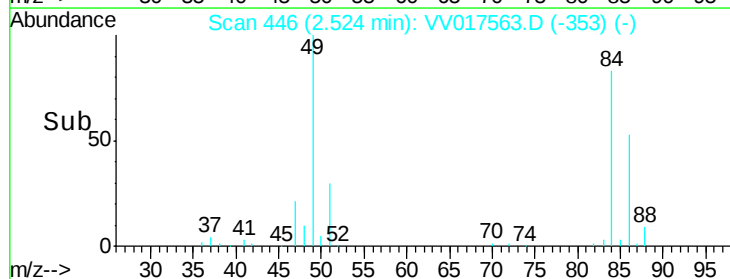
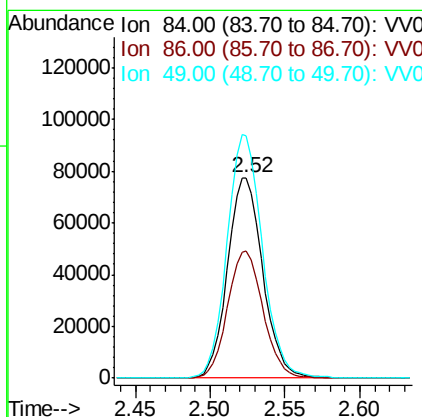
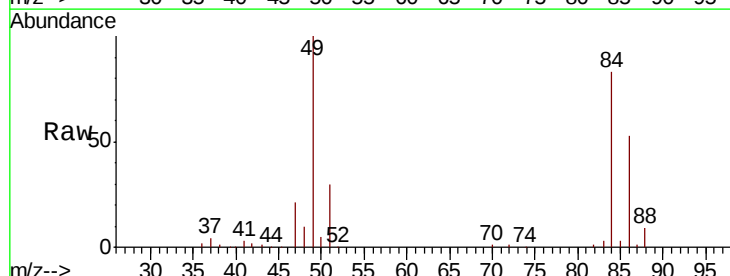
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

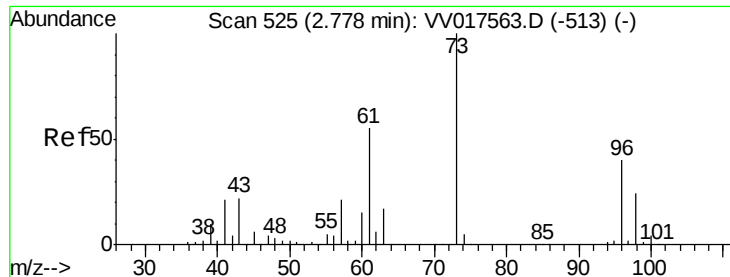
Tot Ion: 43 Resp: 125877
Ion Ratio Lower Upper
43 100
74 24.4 19.5 29.3



#16
Methylene chloride
Concen: 48.208 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017563.D
Acq: 21 Jul 2020 14:16

Tgt Ion: 84 Resp: 127345
Ion Ratio Lower Upper
84 100
86 63.6 44.5 82.7
49 120.6 84.4 156.8





#17

trans-1,2-Dichloroethene

Concen: 52.175 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

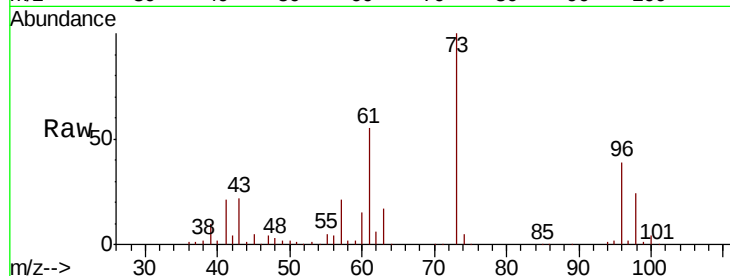
Tot Ion: 96 Resp: 120056

Ion Ratio Lower Upper

96 100

61 138.6 97.0 180.2

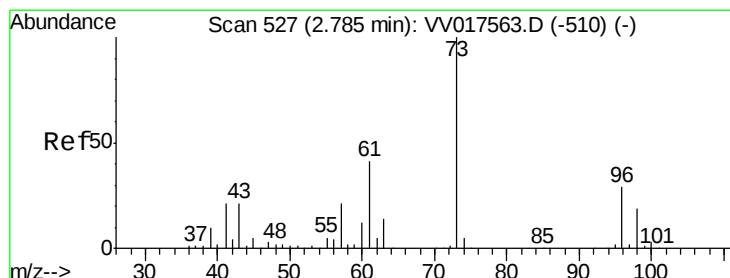
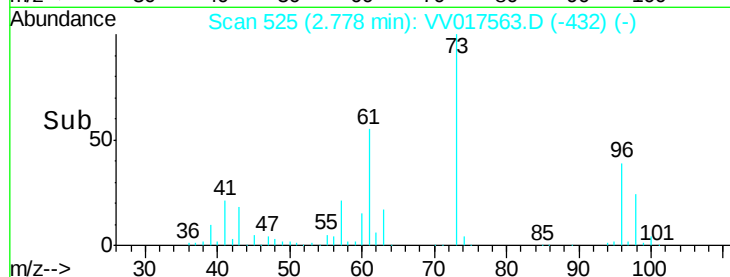
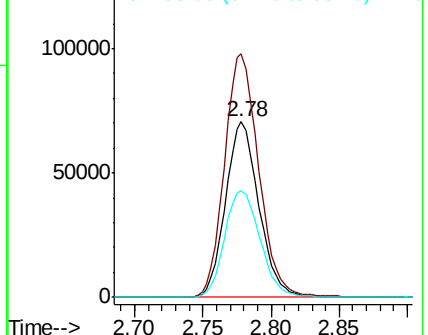
98 60.8 42.6 79.0



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: 50.239 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

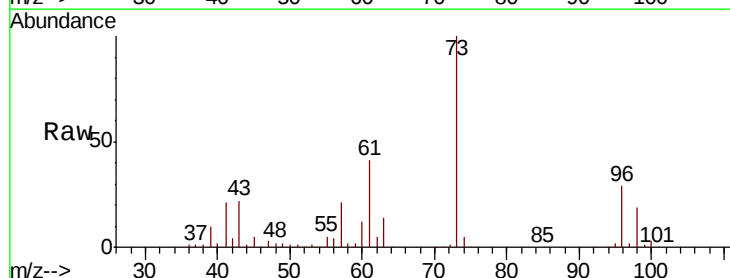
Tgt Ion: 73 Resp: 406676

Ion Ratio Lower Upper

73 100

43 21.6 17.3 25.9

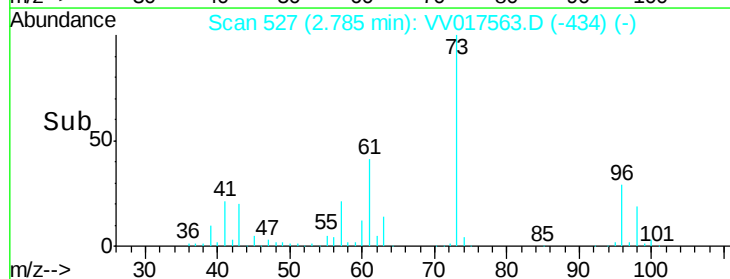
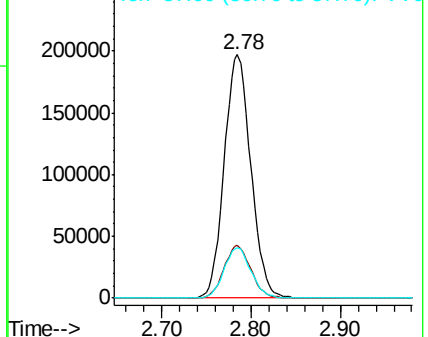
57 21.0 16.8 25.2

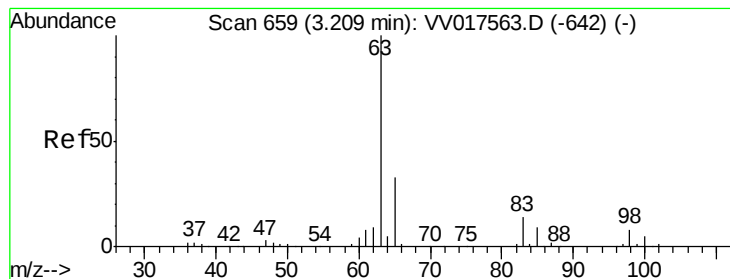


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 51.891 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

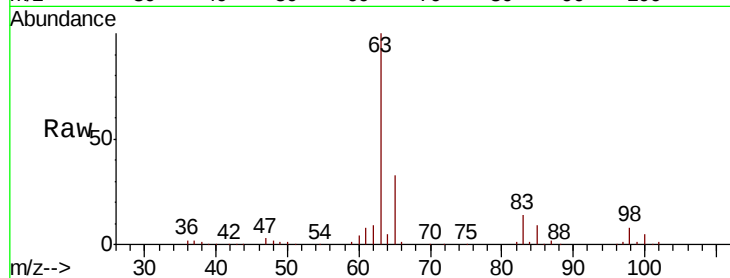
Tot Ion: 63 Resp: 220847

Ion Ratio Lower Upper

63 100

65 32.9 23.0 42.8

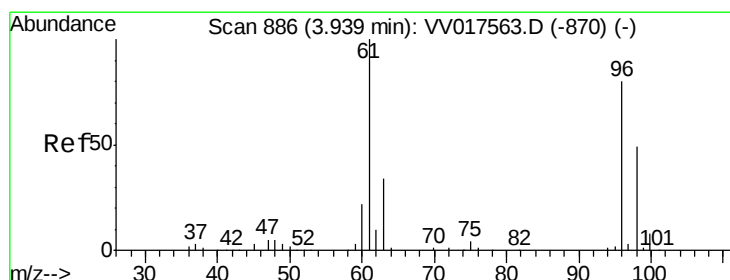
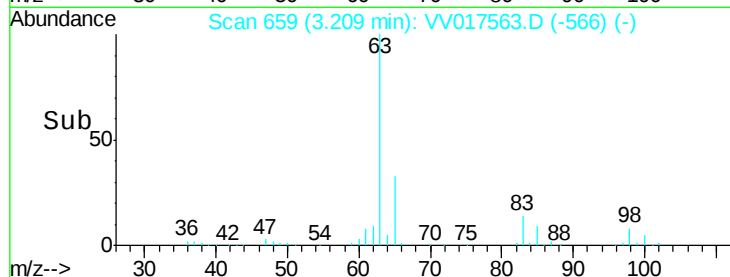
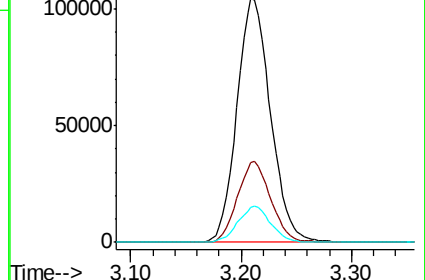
83 14.2 9.9 18.5



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: 52.551 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

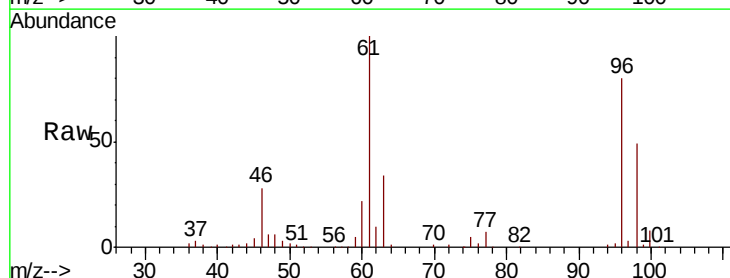
Tgt Ion: 96 Resp: 131298

Ion Ratio Lower Upper

96 100

61 125.5 87.8 163.2

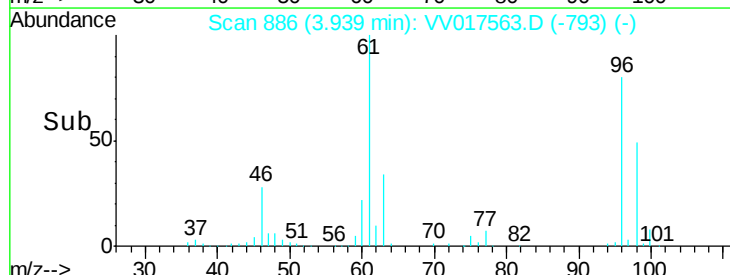
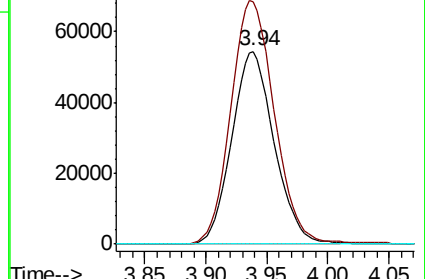
68 0.0 0.0 0.0

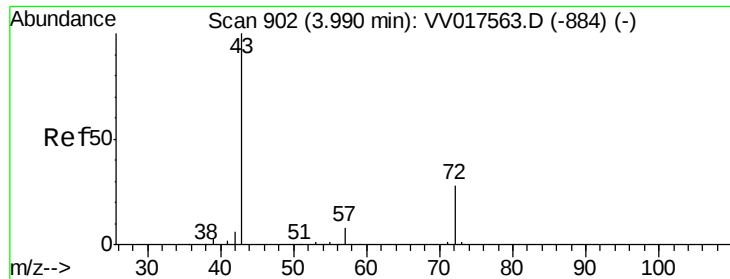


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 115.700 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

Instrument :

MSVOA_V

ClientSampleId :

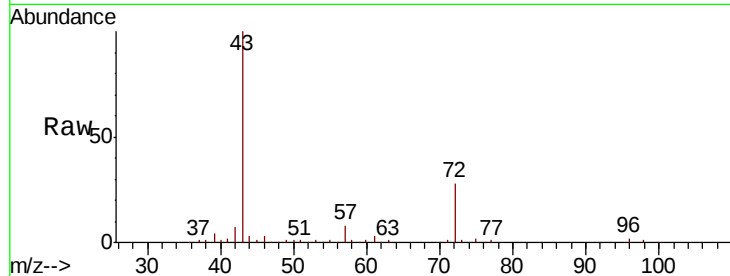
VSTD05062

Tot Ion: 43 Resp: 187228

Ion Ratio Lower Upper

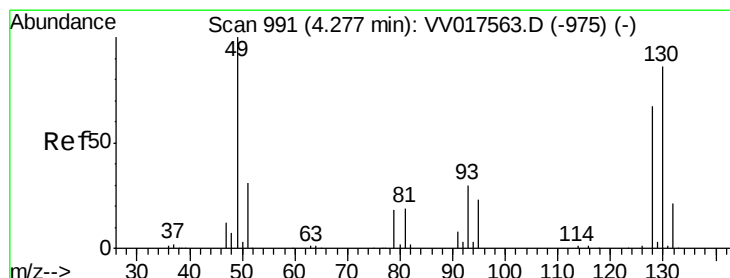
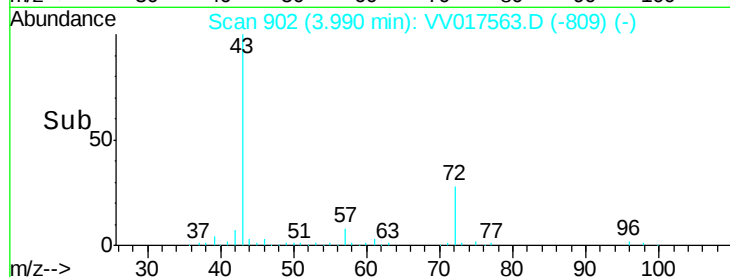
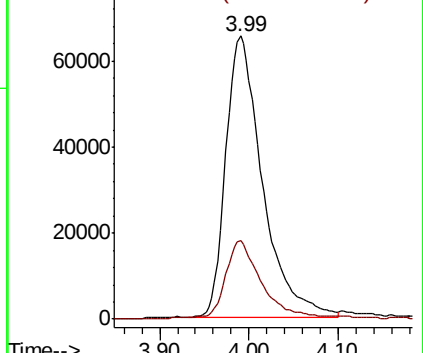
43 100

72 26.0 13.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VV017563.D (-884) (-)

Ion 72.00 (71.70 to 72.70): VV017563.D (-884) (-)



#23

Bromochloromethane

Concen: 50.947 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

Tgt Ion:128 Resp: 70609

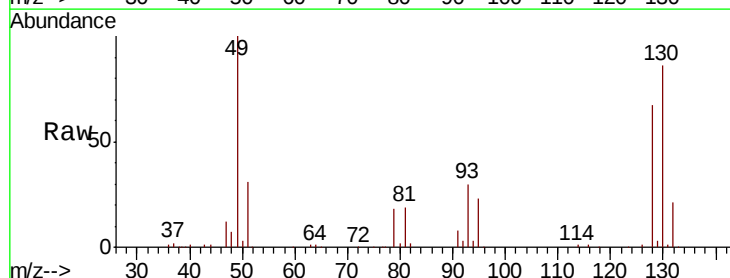
Ion Ratio Lower Upper

128 100

49 148.2 103.7 192.7

130 127.7 89.4 166.0

51 46.1 36.9 55.3

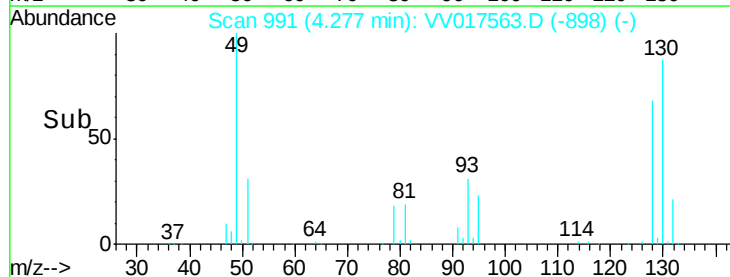
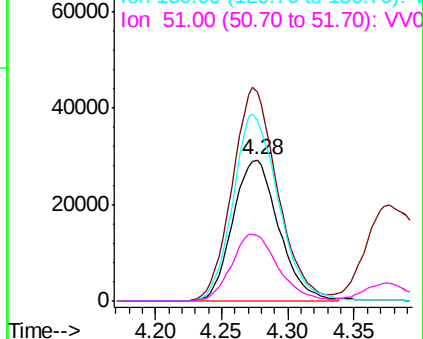


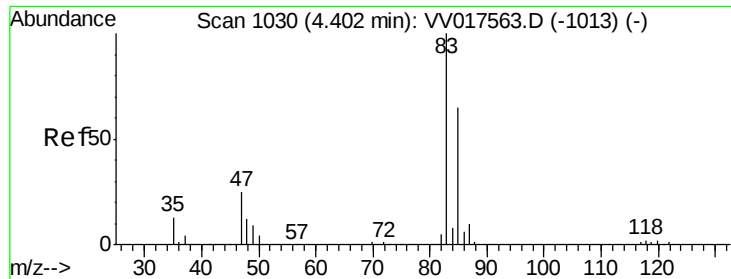
Abundance Ion 128.00 (127.70 to 128.70): VV017563.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV017563.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV017563.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV017563.D (-975) (-)

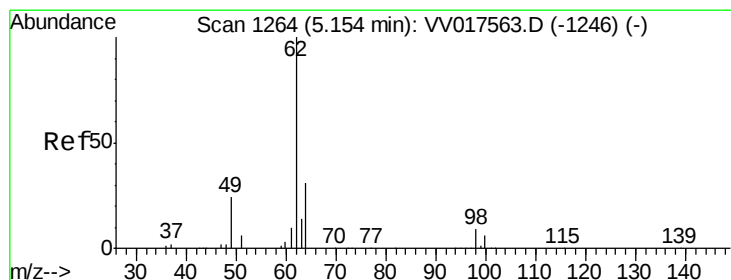
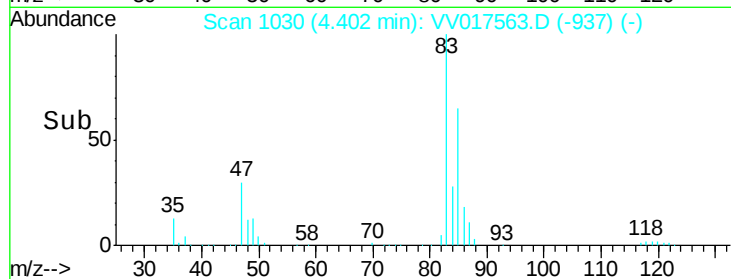
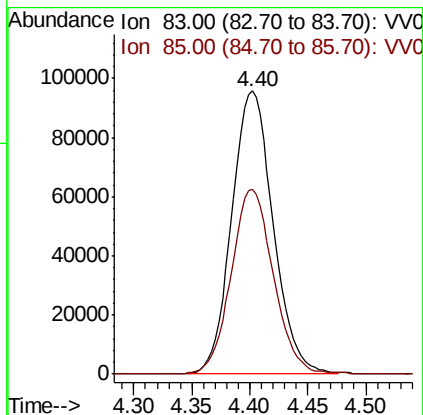
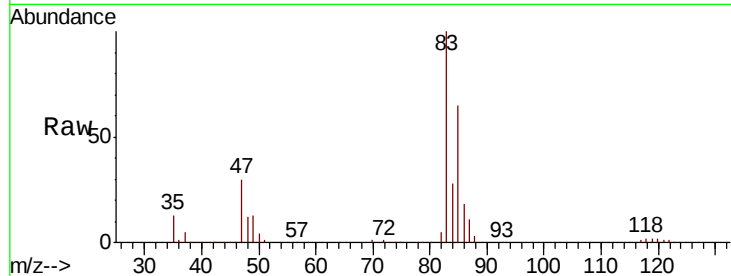




#25
Chloroform
Concen: 50.673 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017563.D
Acq: 21 Jul 2020 14:16

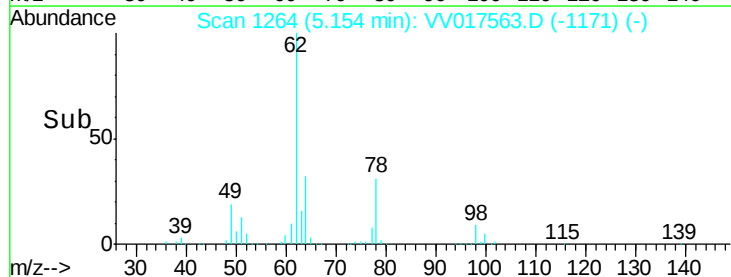
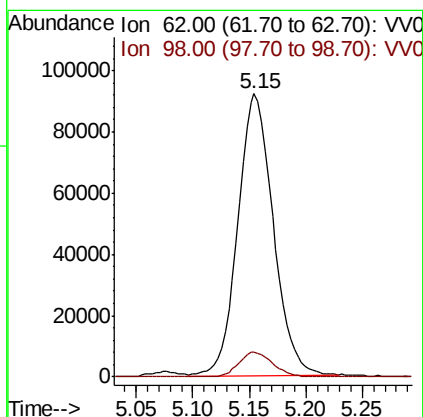
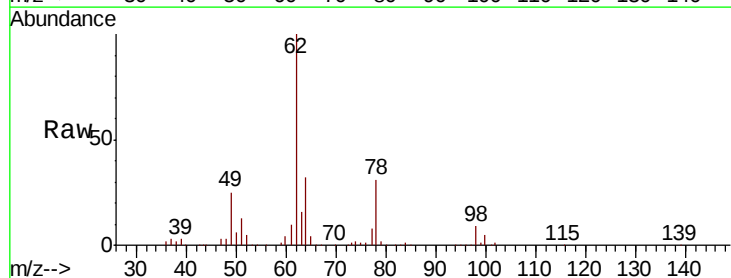
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

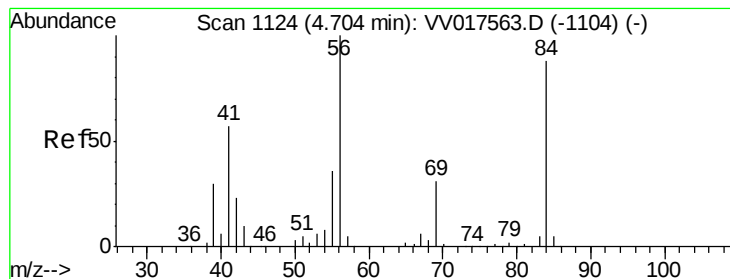
Tot Ion: 83 Resp: 238309
Ion Ratio Lower Upper
83 100
85 65.2 45.6 84.8



#27
1,2-Dichloroethane
Concen: 49.654 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017563.D
Acq: 21 Jul 2020 14:16

Tgt Ion: 62 Resp: 199613
Ion Ratio Lower Upper
62 100
98 8.9 7.1 10.7





#29

Cyclohexane

Concen: 60.762 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

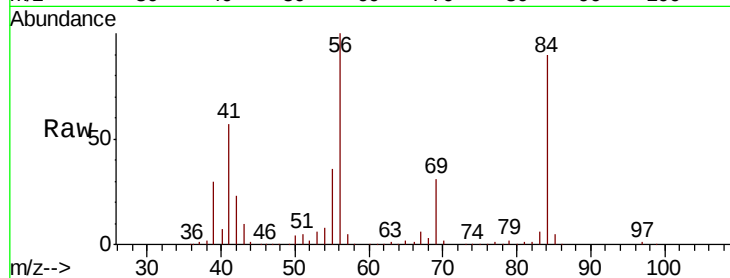
Tot Ion: 56 Resp: 202840

Ion Ratio Lower Upper

56 100

69 31.8 25.4 38.2

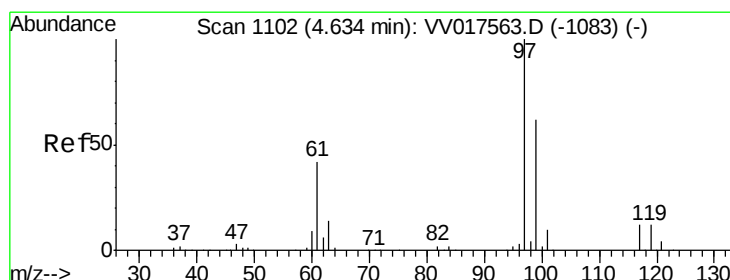
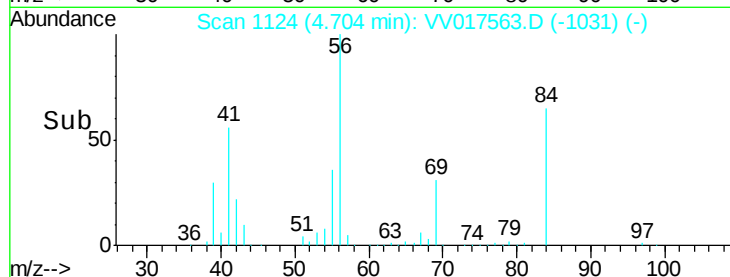
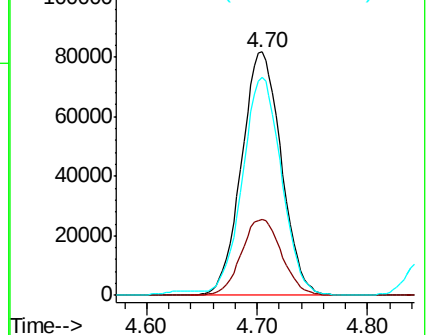
84 88.2 70.6 105.8



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: 51.564 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

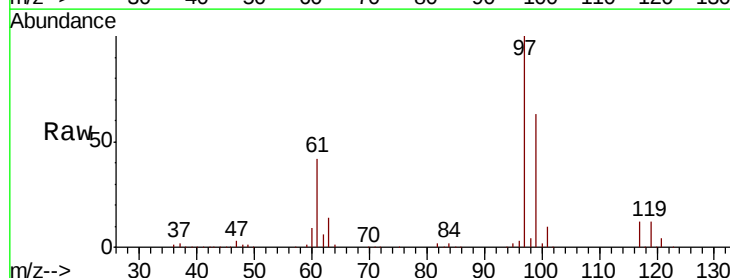
Tgt Ion: 97 Resp: 229461

Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.4

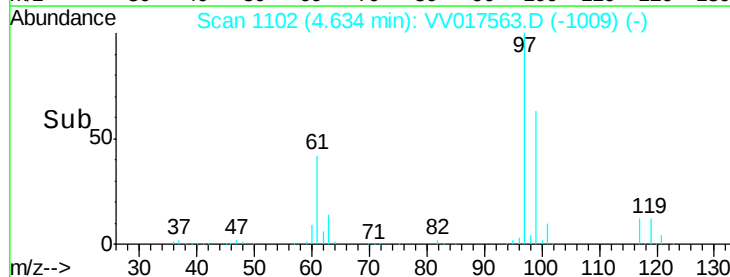
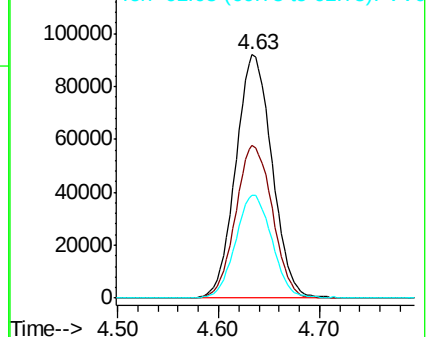
61 42.6 34.1 51.1

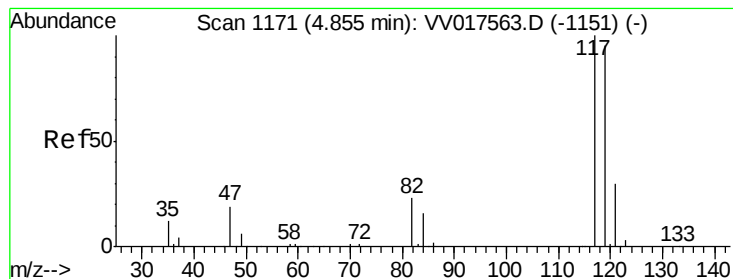


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 50.419 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

Instrument :

MSVOA_V

ClientSampleId :

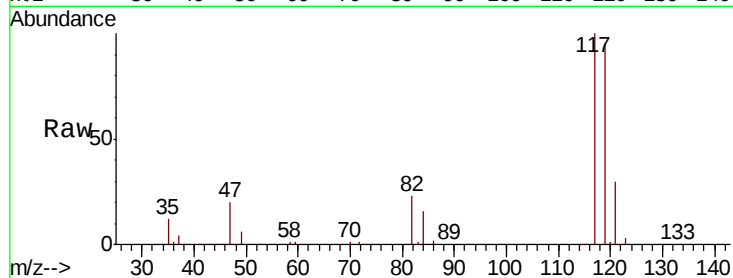
VSTD05062

Tot Ion:117 Resp: 205281

Ion Ratio Lower Upper

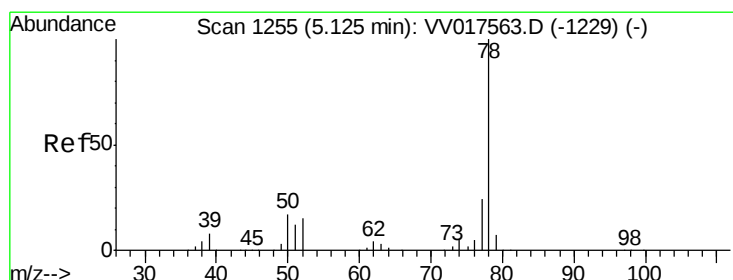
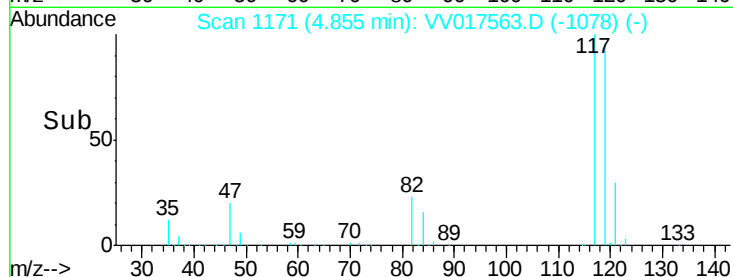
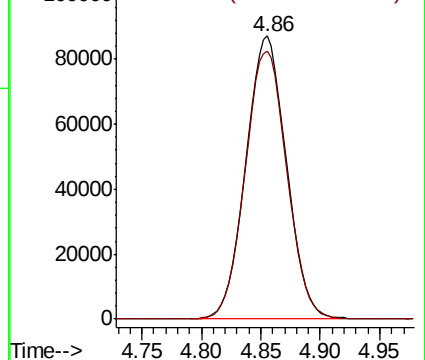
117 100

119 97.7 78.2 117.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 55.264 ug/L

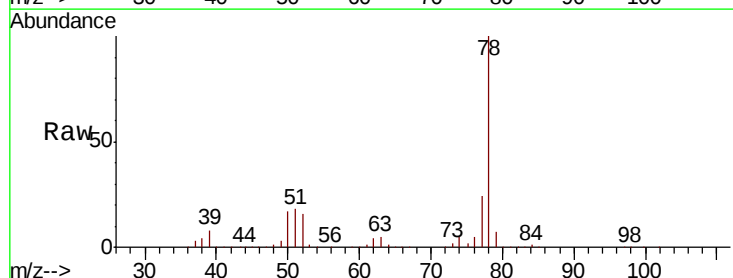
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

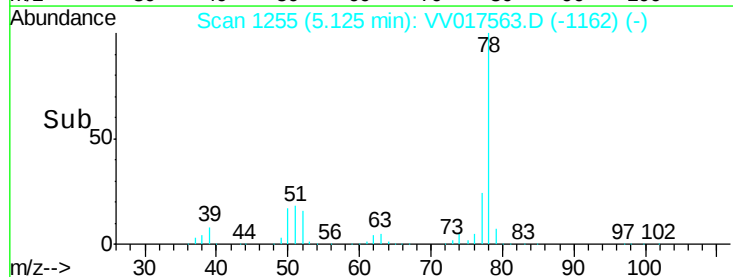
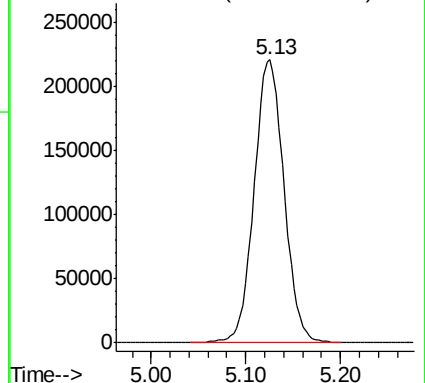
Lab File: VV017563.D

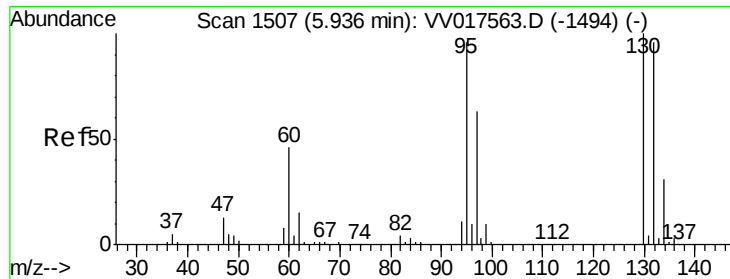
Acq: 21 Jul 2020 14:16

Tgt Ion: 78 Resp: 486272



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 54.416 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

Instrument :

MSVOA_V

ClientSampled :

VSTD05062

Tot Ion: 95 Resp: 131640

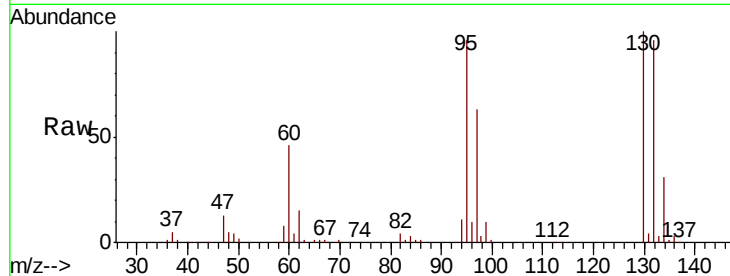
Ion Ratio Lower Upper

95 100

97 65.5 45.8 85.2

132 100.4 70.3 130.5

130 104.1 72.9 135.3

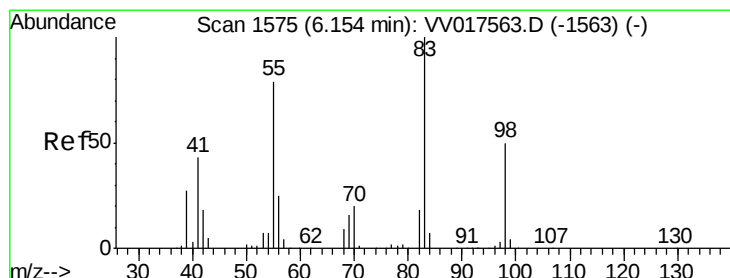
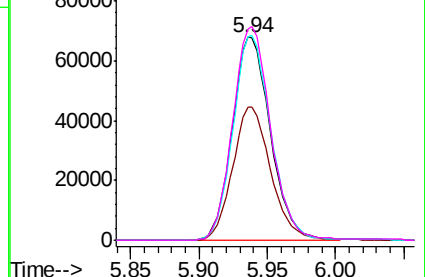
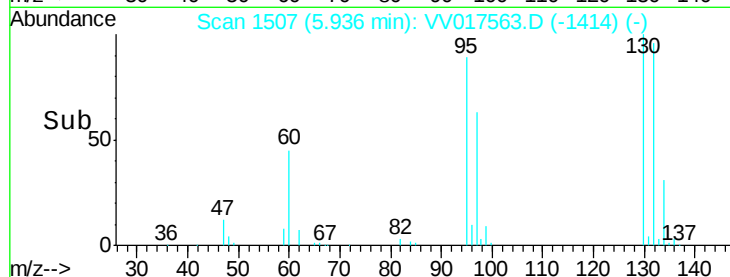


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 58.530 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

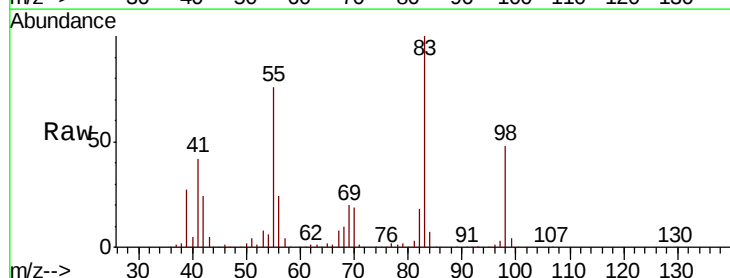
Tgt Ion: 83 Resp: 211844

Ion Ratio Lower Upper

83 100

55 77.1 61.7 92.5

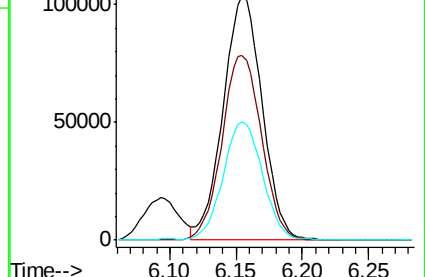
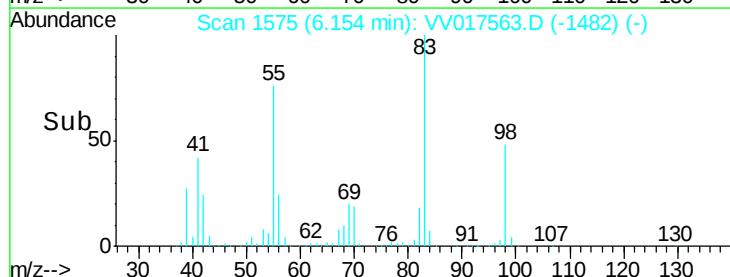
98 49.1 39.3 58.9

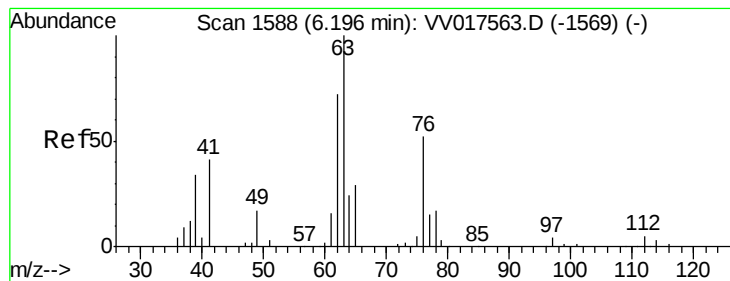


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 54.292 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

Instrument :

MSVOA_V

ClientSampleId :

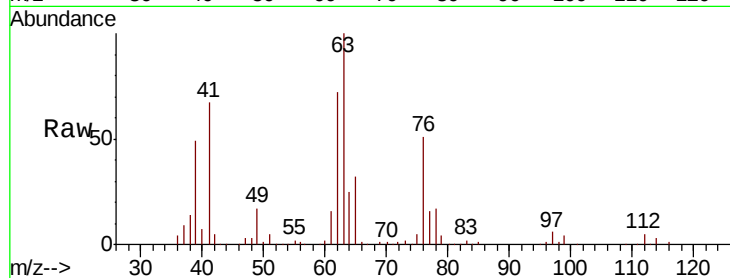
VSTD05062

Tot Ion: 63 Resp: 121560

Ion Ratio Lower Upper

63 100

112 4.8 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VV017563.D (-1569) (-)

Ion 112.00 (111.70 to 112.70): VV017563.D (-1569) (-)

6.20

60000

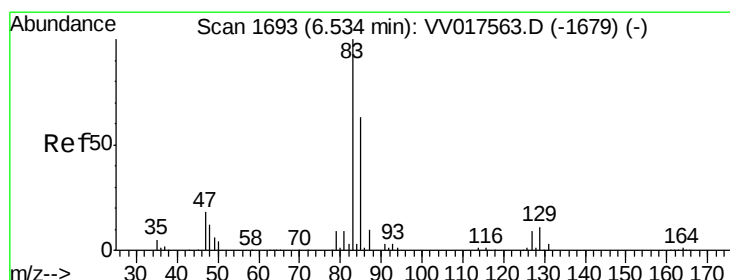
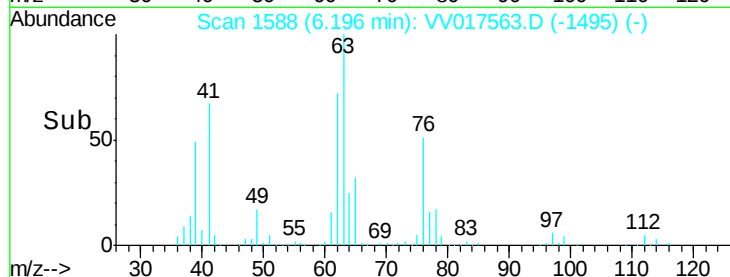
40000

20000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 52.199 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

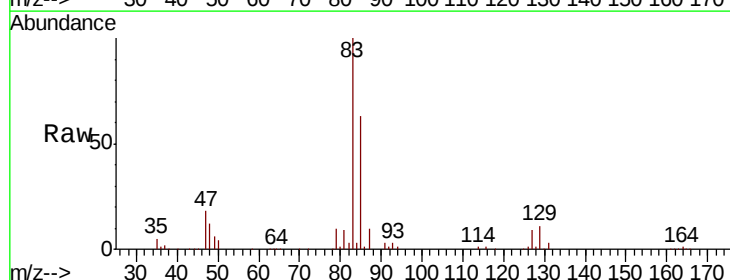
Tgt Ion: 83 Resp: 184699

Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.4

127 9.3 7.4 11.2



Abundance Ion 83.00 (82.70 to 83.70): VV017563.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV017563.D (-1679) (-)

Ion 127.00 (126.70 to 127.70): VV017563.D (-1679) (-)

6.53

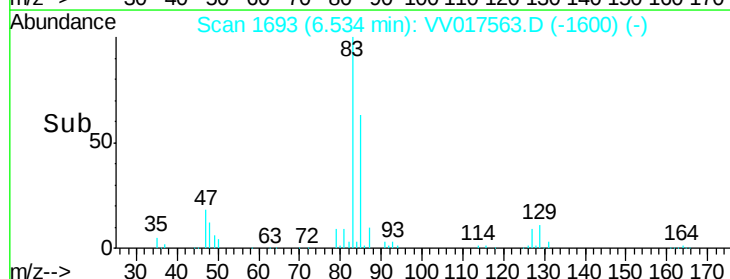
100000

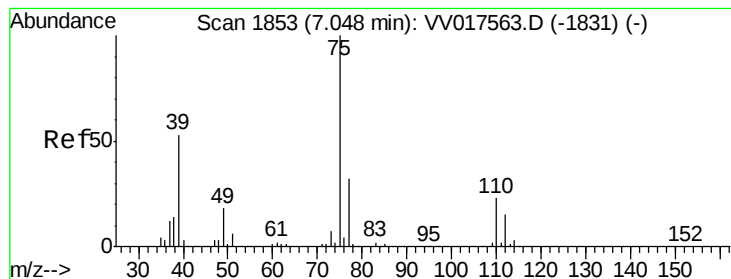
50000

0

6.45 6.50 6.55 6.60 6.65

Time-->



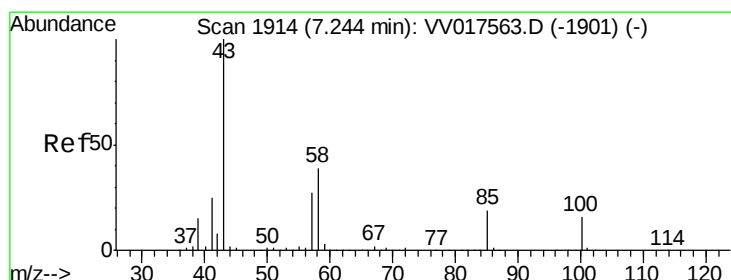
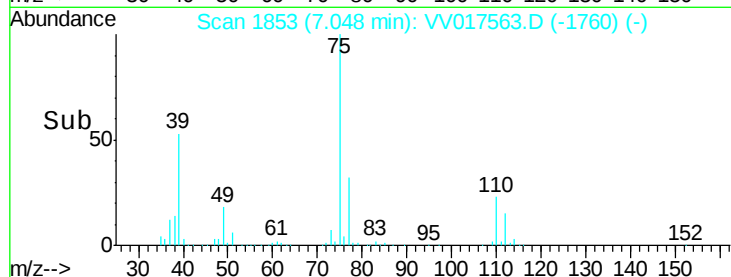
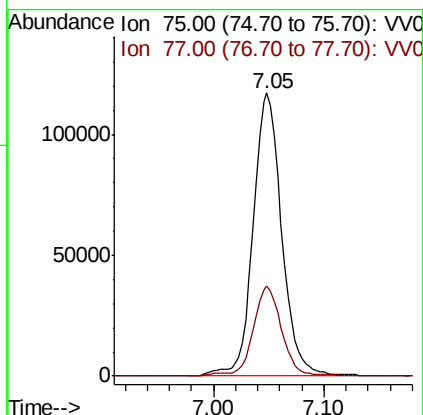
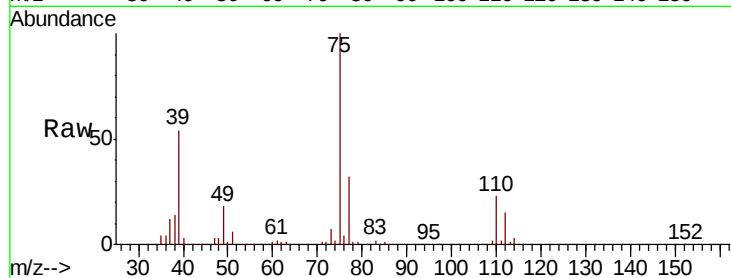


#39

cis-1,3-Dichloropropene
 Concen: 56.329 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017563.D
 Acq: 21 Jul 2020 14:16

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

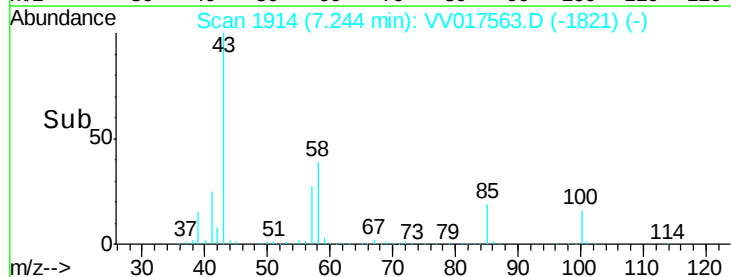
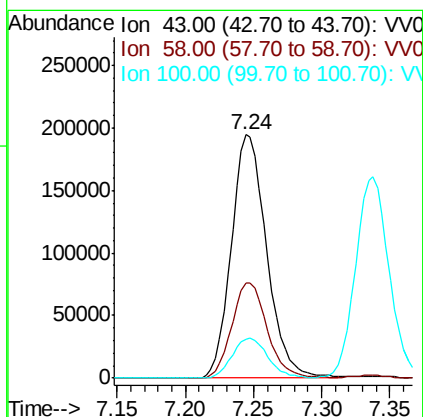
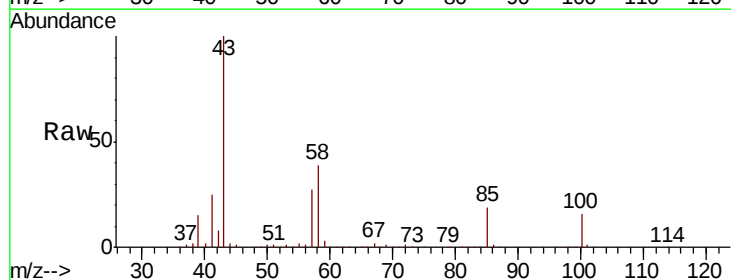
Tot Ion: 75 Resp: 210684
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2

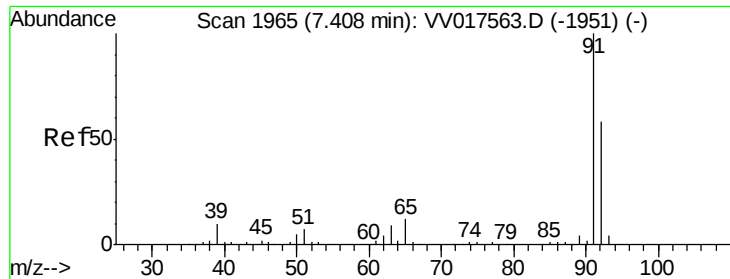


#40

4-Methyl-2-pentanone
 Concen: 112.711 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV017563.D
 Acq: 21 Jul 2020 14:16

Tgt Ion: 43 Resp: 349569
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.5 47.3
 100 16.6 13.3 19.9





#42

Toluene

Concen: 55.374 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

Instrument :

MSVOA_V

ClientSampleId :

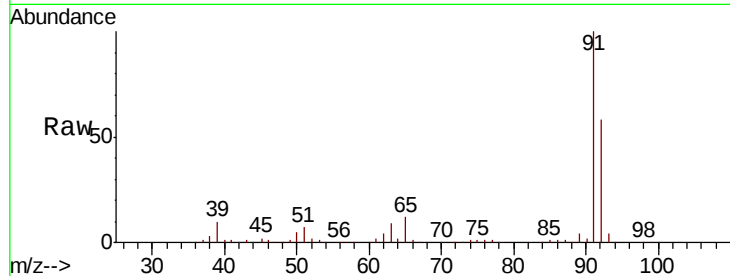
VSTD05062

Tot Ion: 91 Resp: 537361

Ion Ratio Lower Upper

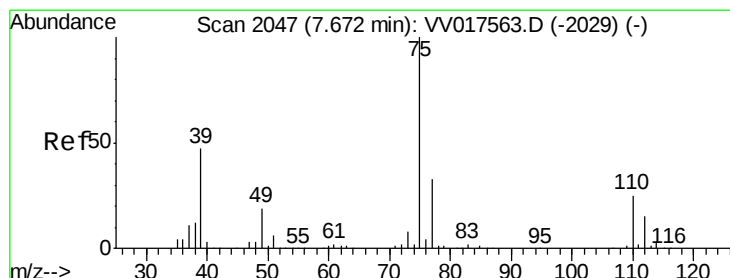
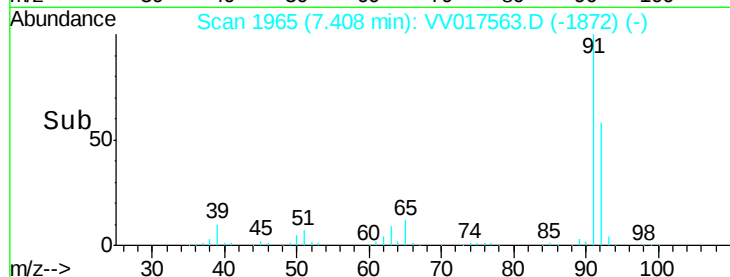
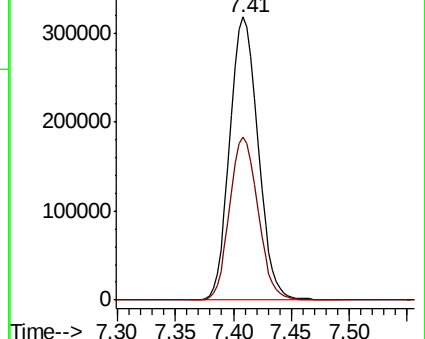
91 100

92 57.7 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 53.676 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017563.D

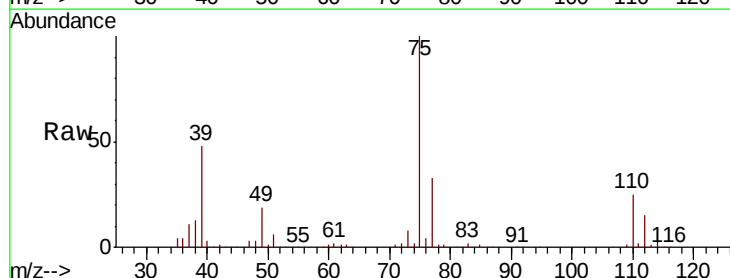
Acq: 21 Jul 2020 14:16

Tgt Ion: 75 Resp: 209694

Ion Ratio Lower Upper

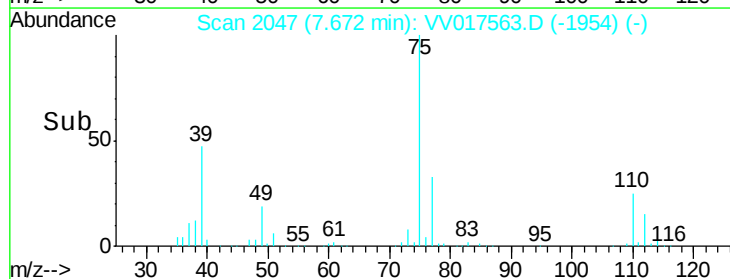
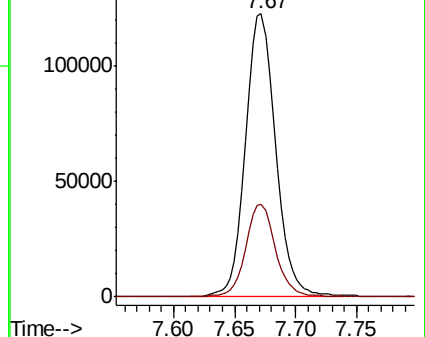
75 100

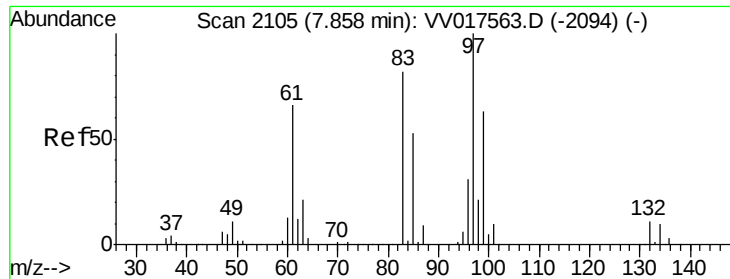
77 32.9 23.0 42.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

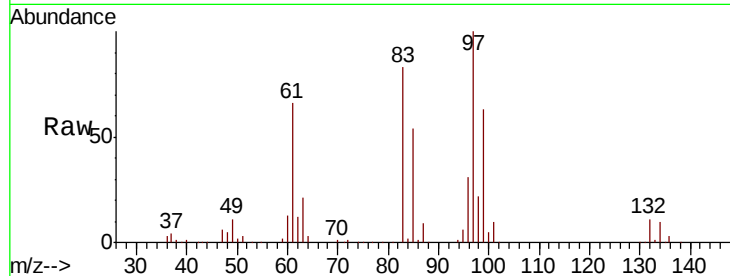




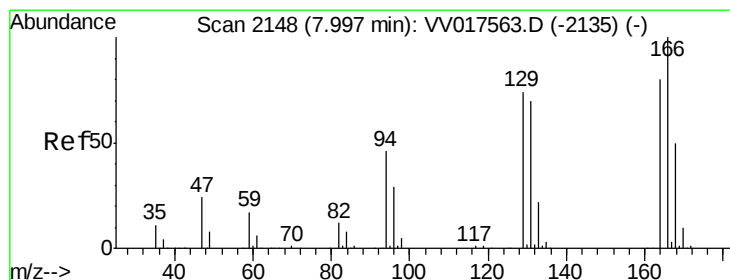
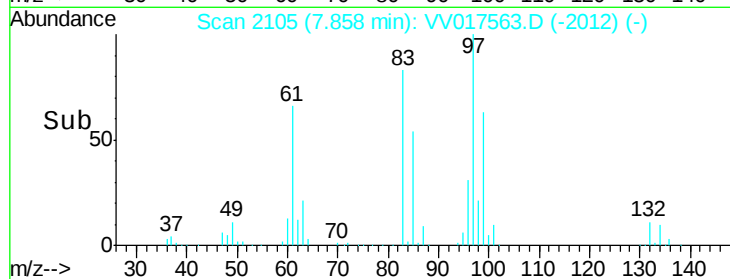
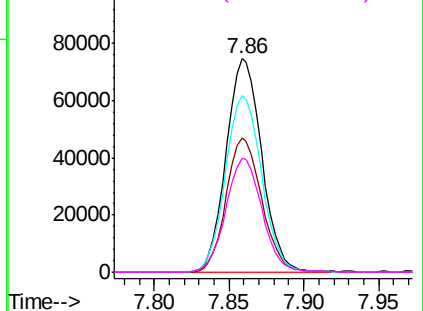
#45
 1,1,2-Trichloroethane
 Concen: 51.813 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV017563.D
 Acq: 21 Jul 2020 14:16

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

Tot Ion:	97	Resp:	124241
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.2	82.0
83	82.7	57.9	107.5
85	53.6	37.5	69.7

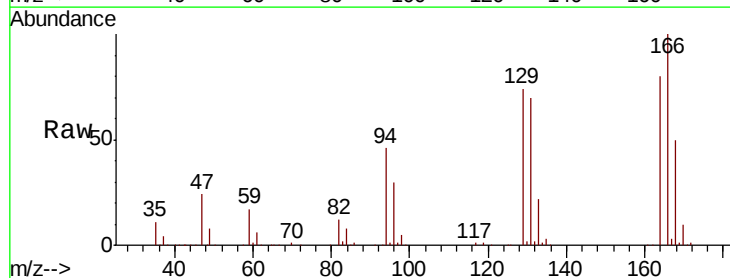


Abundance Ion 97.00 (96.70 to 97.70): VV017563.D (-2094) (-)

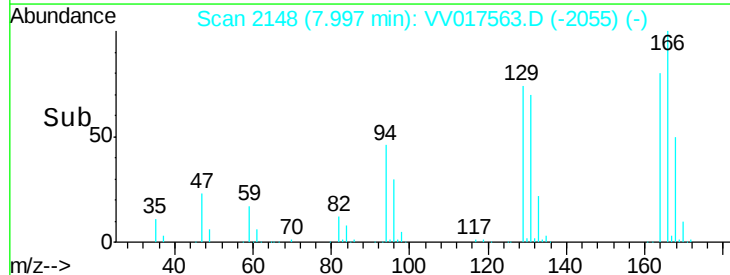
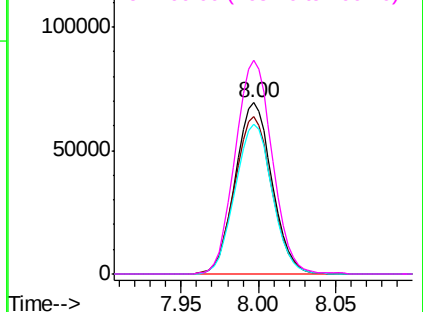


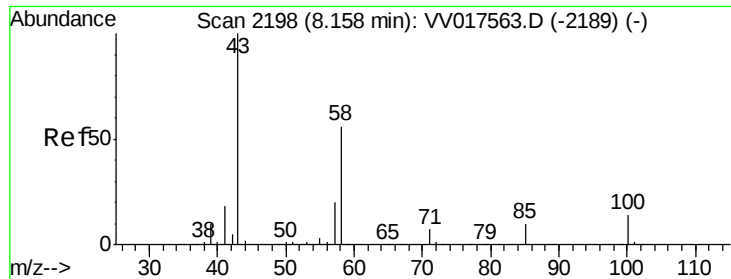
#46
 Tetrachloroethene
 Concen: 54.488 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017563.D
 Acq: 21 Jul 2020 14:16

Tgt Ion:	164	Resp:	114547
Ion	Ratio	Lower	Upper
164	100		
129	91.9	64.3	119.5
131	87.8	61.5	114.1
166	124.6	87.2	162.0



Abundance Ion 164.00 (163.70 to 164.70): VV017563.D (-2135) (-)

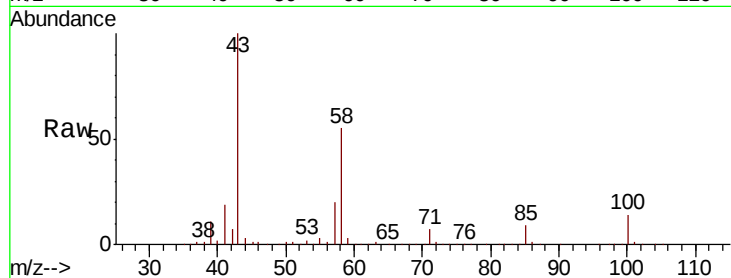




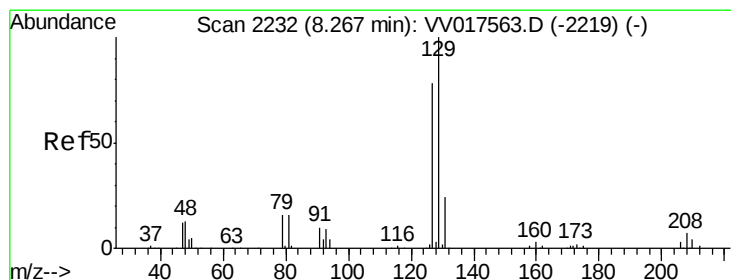
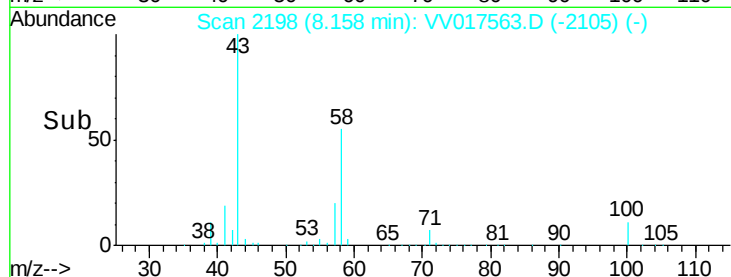
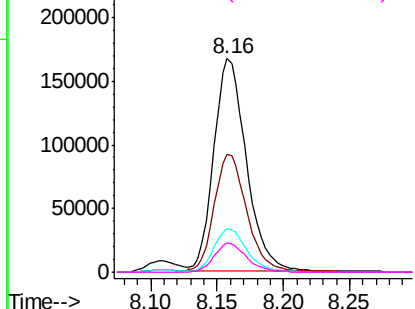
#48
2-Hexanone
Concen: 115.000 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV017563.D
Acq: 21 Jul 2020 14:16

Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

Tot Ion: 43 Resp: 284466
Ion Ratio Lower Upper
43 100
58 55.4 44.3 66.5
57 21.1 16.9 25.3
100 13.7 11.0 16.4

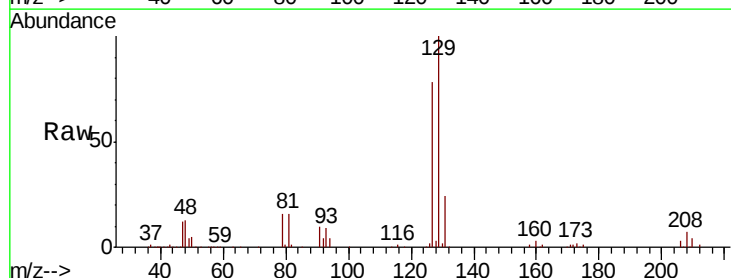


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

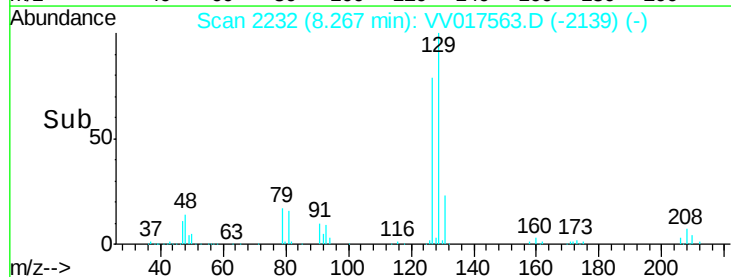
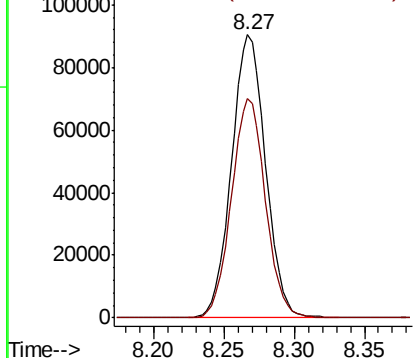


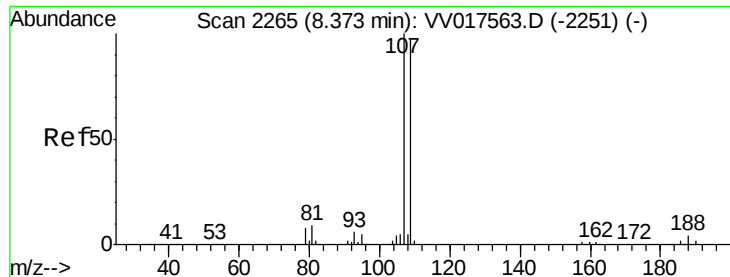
#49
Dibromochloromethane
Concen: 51.294 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017563.D
Acq: 21 Jul 2020 14:16

Tgt Ion: 129 Resp: 152987
Ion Ratio Lower Upper
129 100
127 77.6 54.3 100.9



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

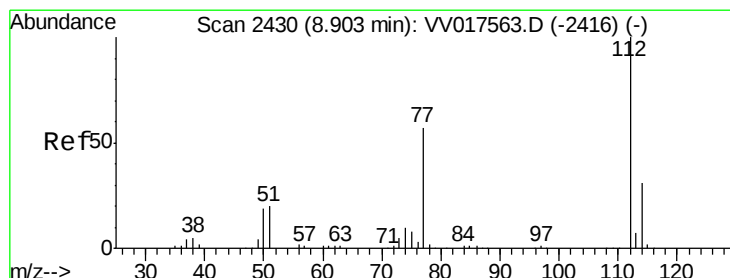
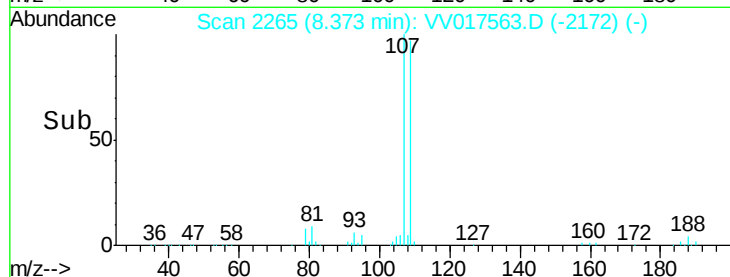
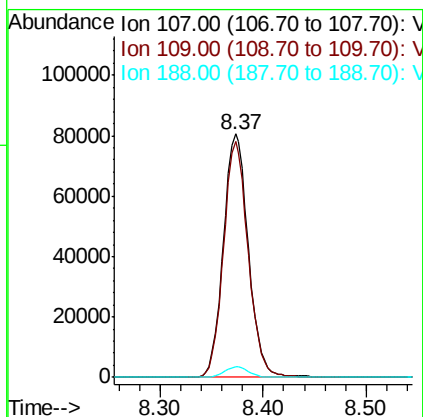
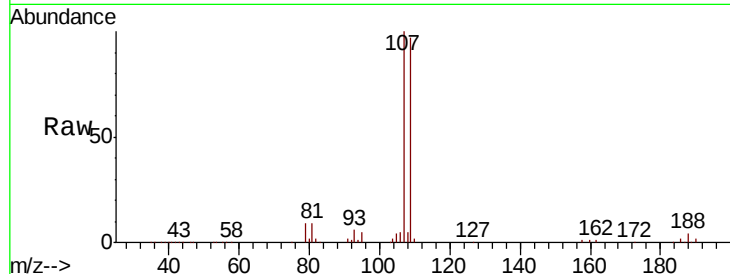




#50
1,2-Dibromoethane
Concen: 52.307 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV017563.D
Acq: 21 Jul 2020 14:16

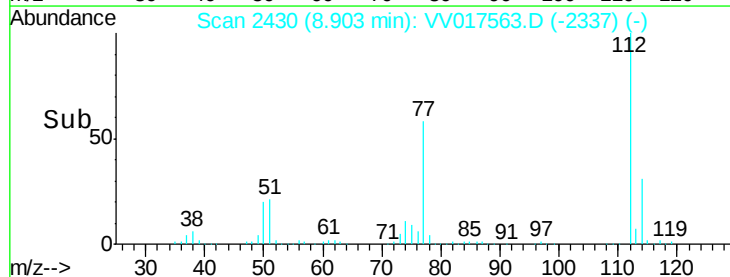
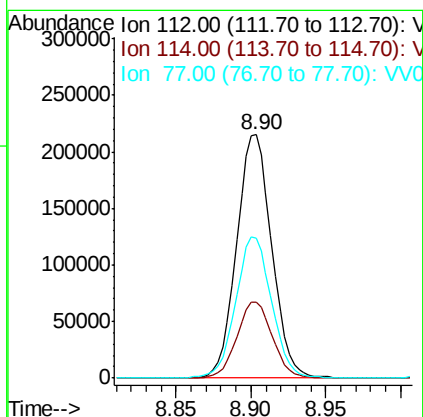
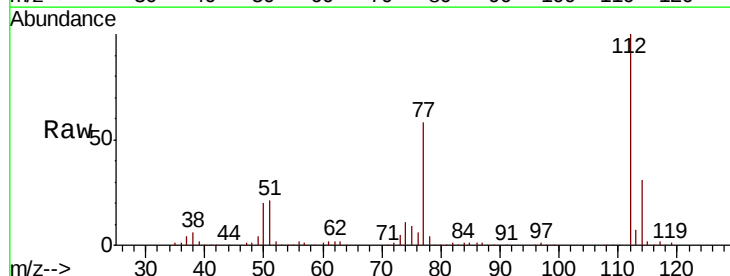
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

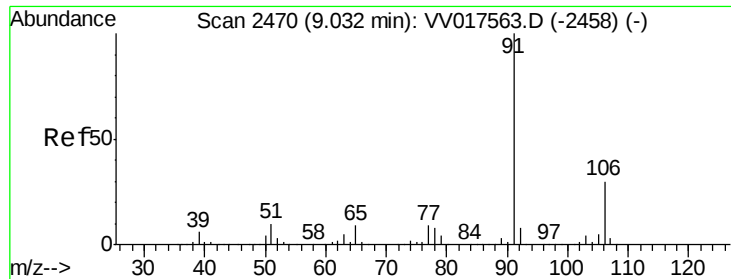
Tot Ion:107 Resp: 136452
Ion Ratio Lower Upper
107 100
109 96.7 67.7 125.7
188 4.4 3.5 5.3



#51
Chlorobenzene
Concen: 52.084 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017563.D
Acq: 21 Jul 2020 14:16

Tgt Ion:112 Resp: 352101
Ion Ratio Lower Upper
112 100
114 31.3 21.9 40.7
77 57.6 46.1 69.1

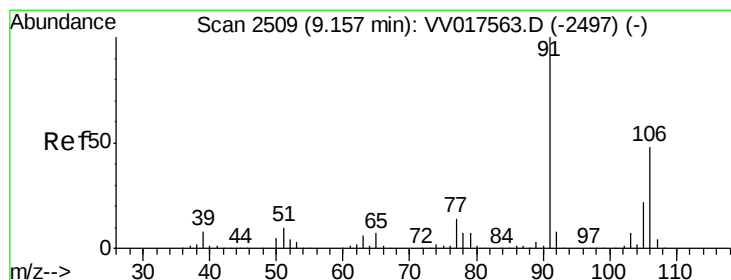
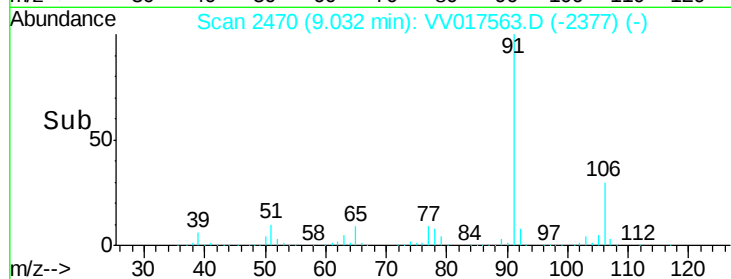
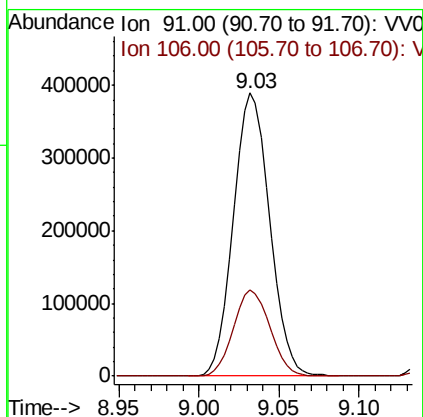
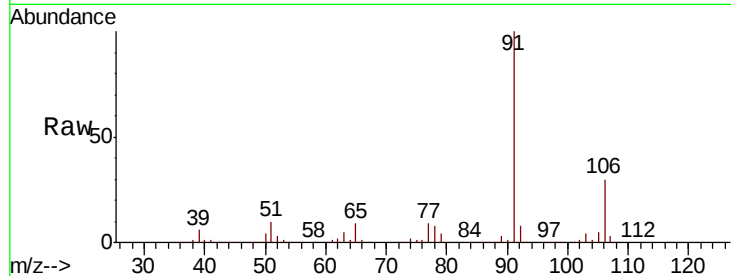




#52
Ethylbenzene
Concen: 53.072 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV017563.D
Acq: 21 Jul 2020 14:16

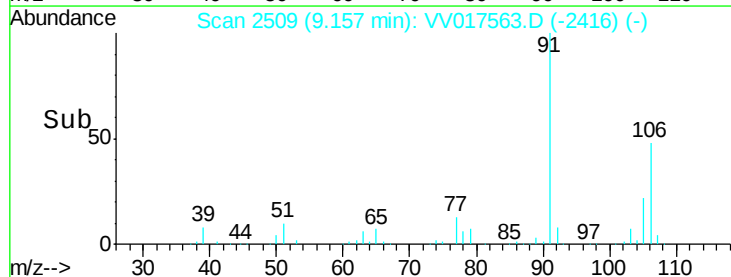
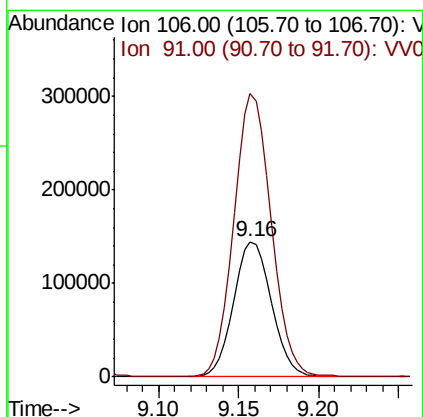
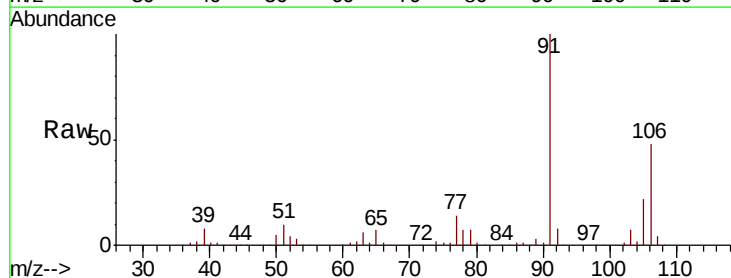
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

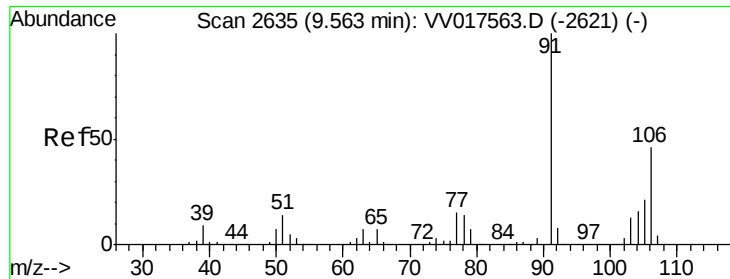
Tot Ion: 91 Resp: 602038
Ion Ratio Lower Upper
91 100
106 30.5 21.3 39.6



#53
m,p-Xylene
Concen: 54.848 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV017563.D
Acq: 21 Jul 2020 14:16

Tgt Ion: 106 Resp: 232271
Ion Ratio Lower Upper
106 100
91 208.9 146.2 271.6





#54

o-xylene

Concen: 55.108 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

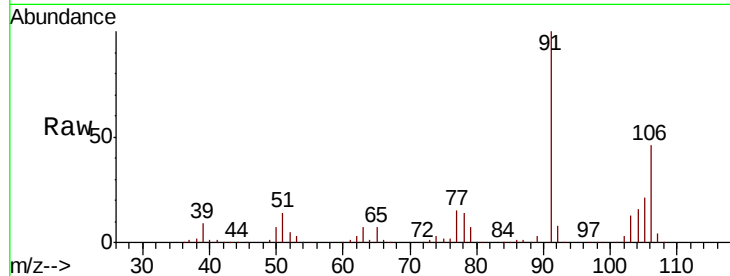
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

Tot Ion:106 Resp: 226754

Ion Ratio Lower Upper

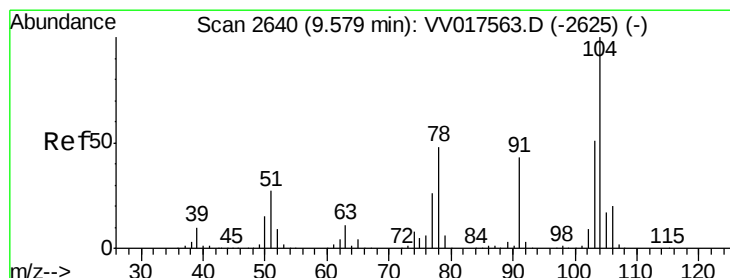
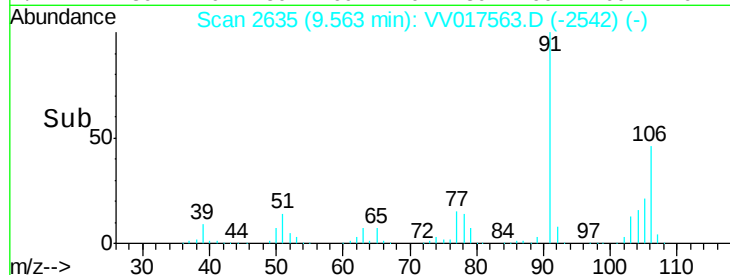
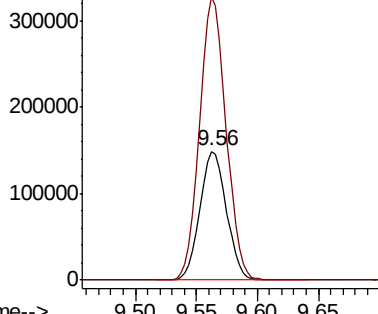
106 100

91 219.4 153.6 285.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 55.348 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV017563.D

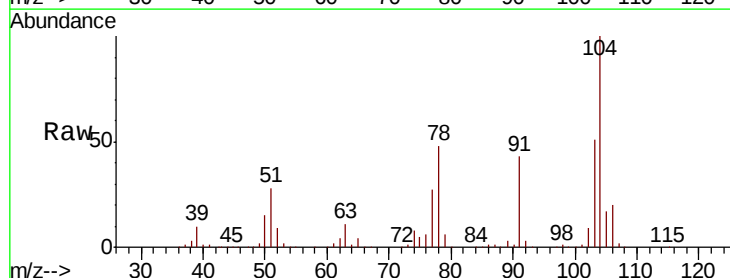
Acq: 21 Jul 2020 14:16

Tgt Ion:104 Resp: 388159

Ion Ratio Lower Upper

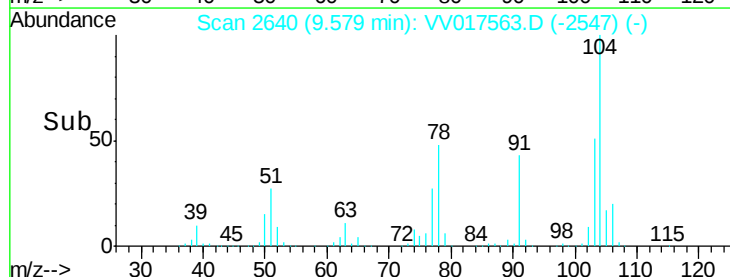
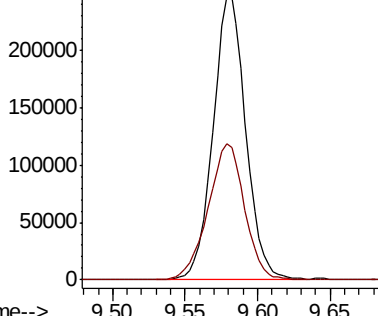
104 100

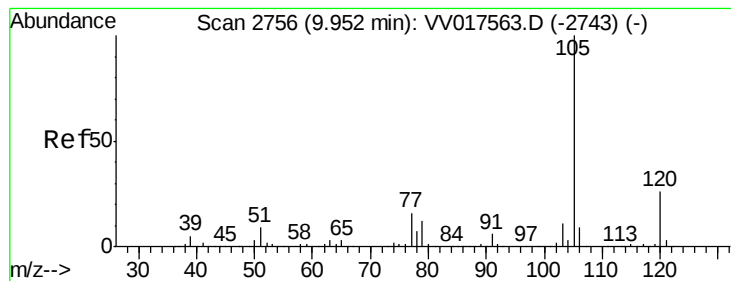
78 48.2 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 55.918 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

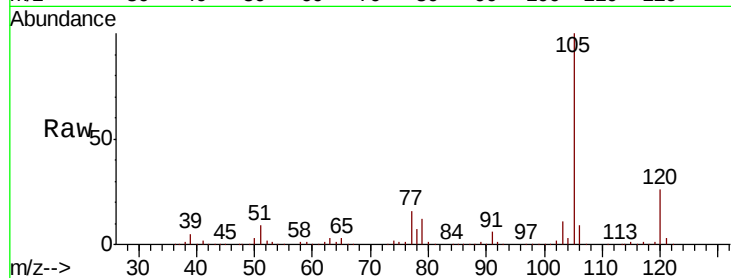
Tot Ion:105 Resp: 620562

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

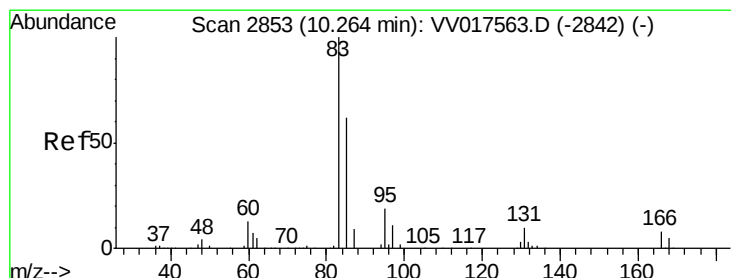
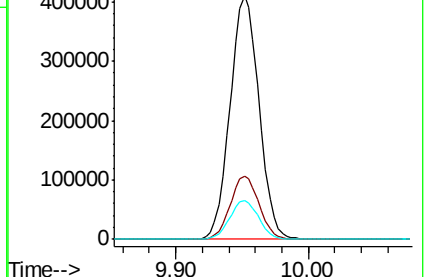
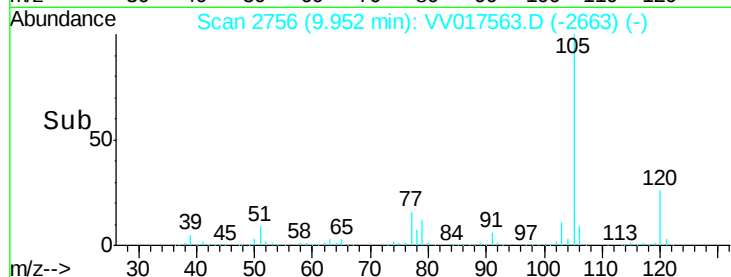
77 16.0 12.8 19.2



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: 55.645 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

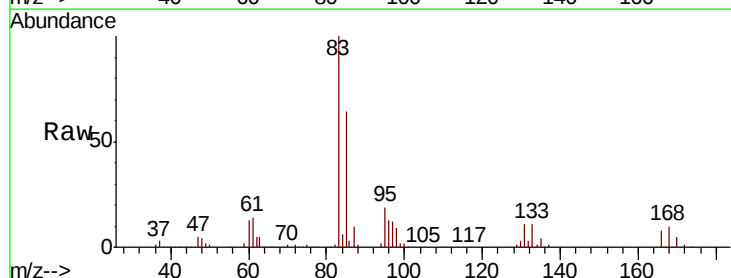
Tgt Ion: 83 Resp: 200165

Ion Ratio Lower Upper

83 100

85 63.6 44.5 82.7

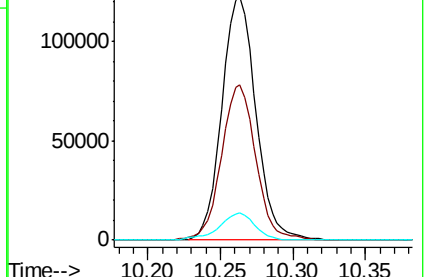
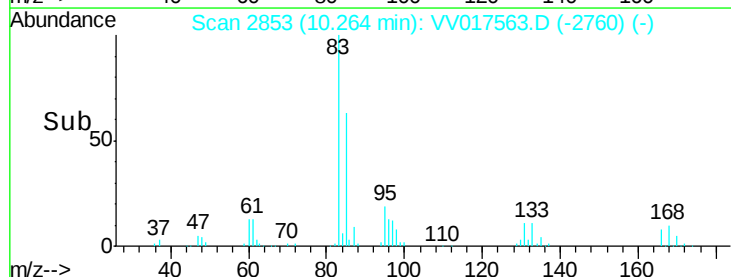
131 11.1 8.9 13.3

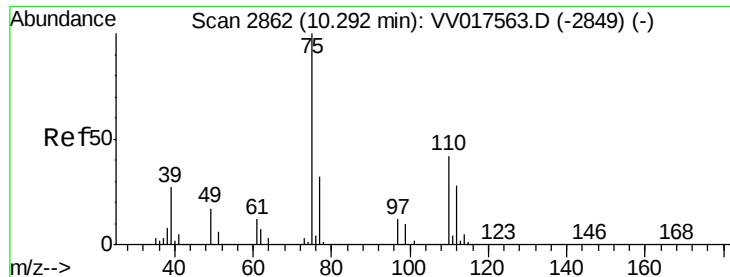


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.526 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

Instrument :

MSVOA_V

ClientSampleId :

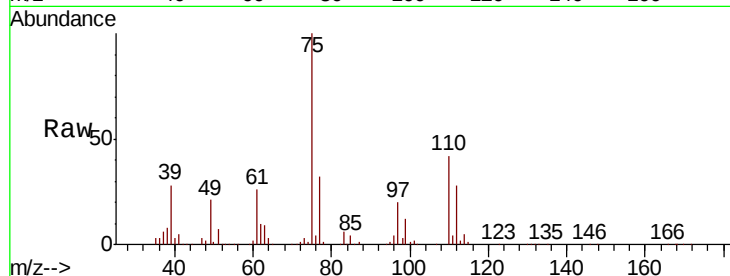
VSTD05062

Tot Ion: 75 Resp: 160781

Ion Ratio Lower Upper

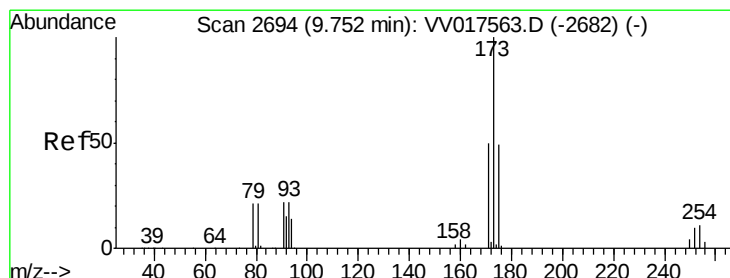
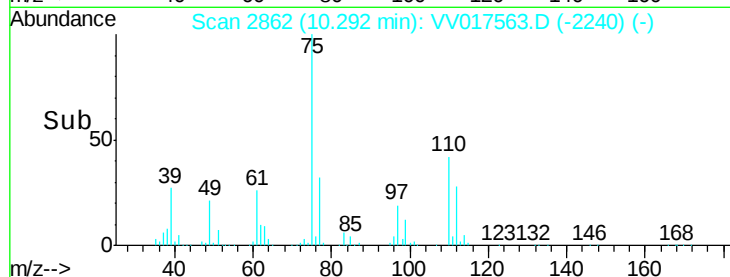
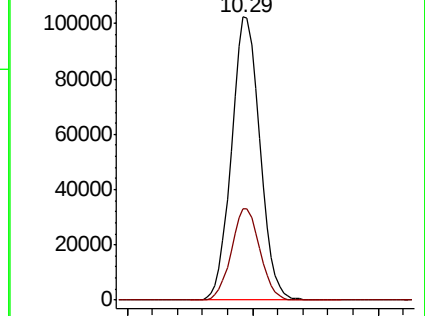
75 100

77 32.4 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV017563.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV017563.D (-2849) (-)



#61

Bromoform

Concen: 51.529 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

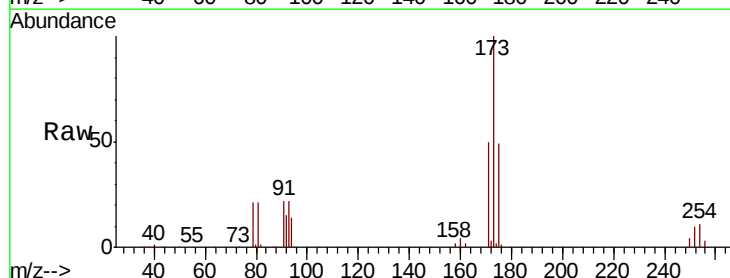
Tgt Ion: 173 Resp: 116532

Ion Ratio Lower Upper

173 100

175 48.1 38.5 57.7

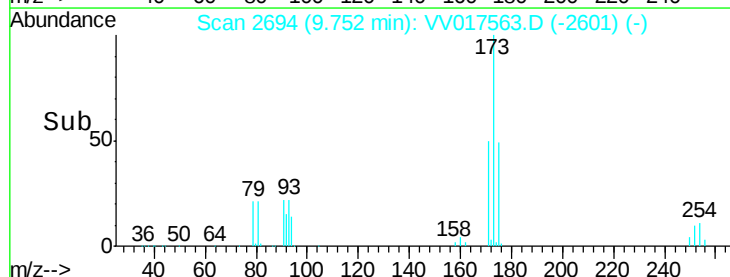
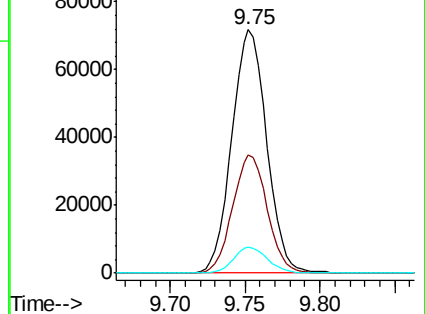
254 10.4 8.3 12.5

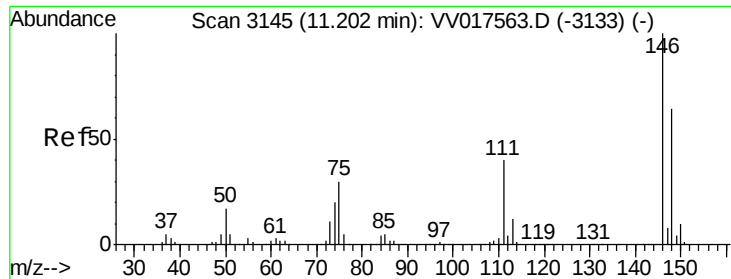


Abundance Ion 173.00 (172.70 to 173.70): VV017563.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV017563.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV017563.D (-2682) (-)

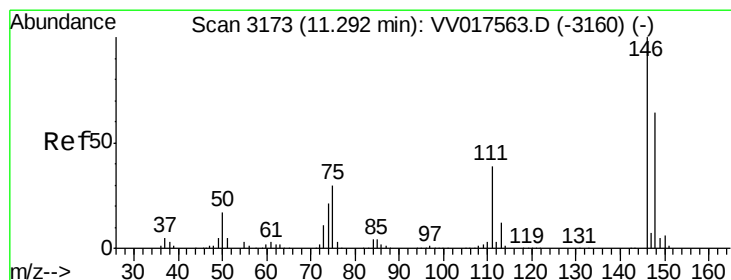
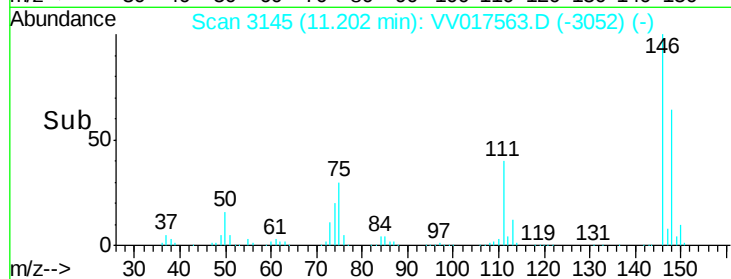
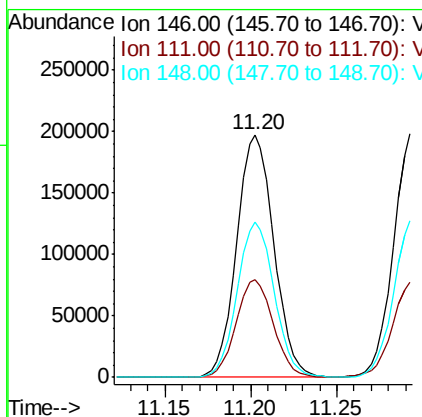
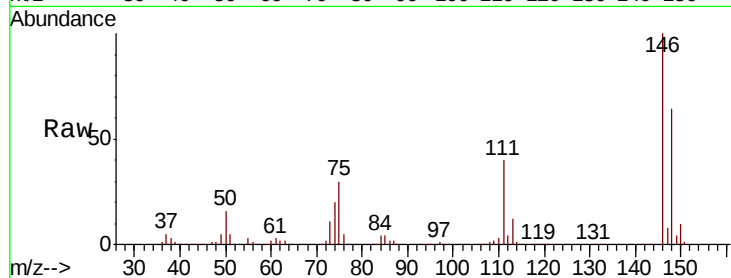




#62
 1,3-Dichlorobenzene
 Concen: 52.828 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV017563.D
 Acq: 21 Jul 2020 14:16

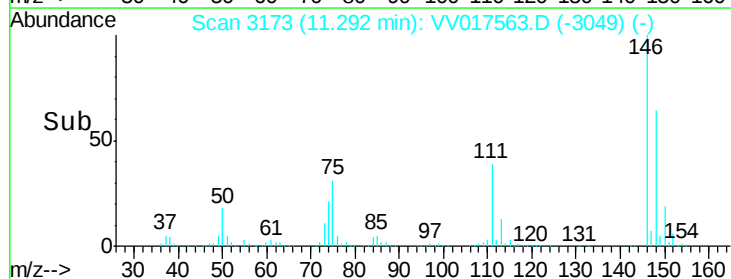
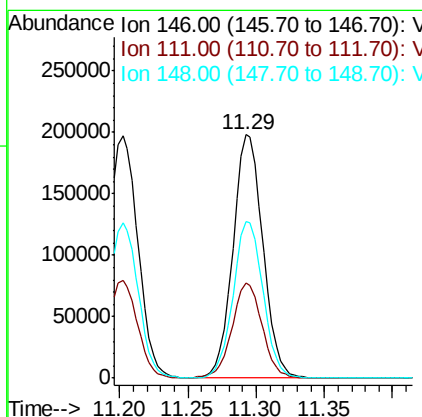
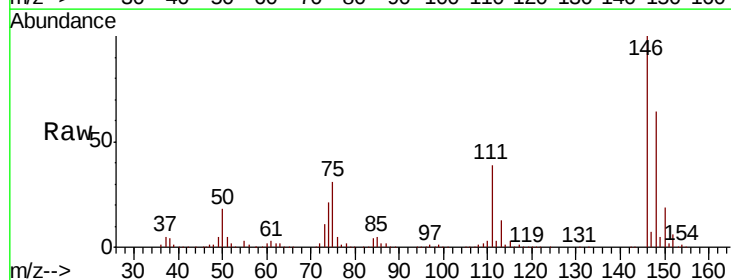
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

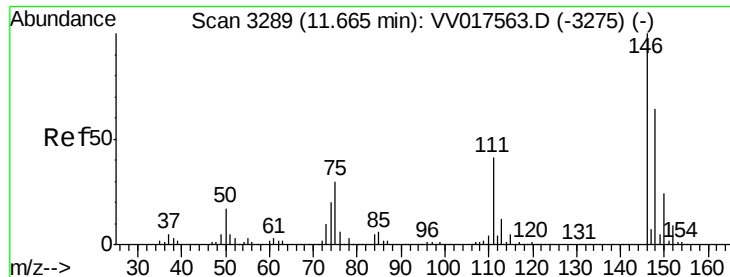
Tot Ion:146 Resp: 297665
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.2 52.4
 148 63.8 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 51.276 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV017563.D
 Acq: 21 Jul 2020 14:16

Tgt Ion:146 Resp: 300470
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.3 50.7
 148 64.5 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 52.403 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

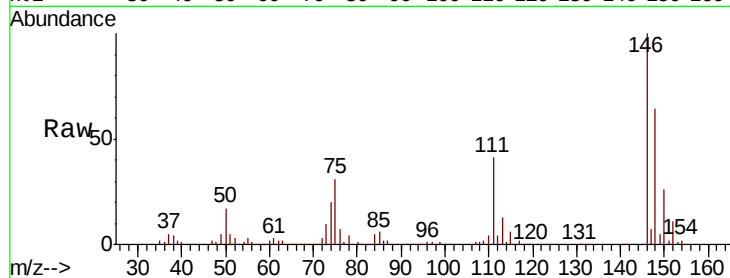
Tot Ion:146 Resp: 305582

Ion Ratio Lower Upper

146 100

111 41.1 32.9 49.3

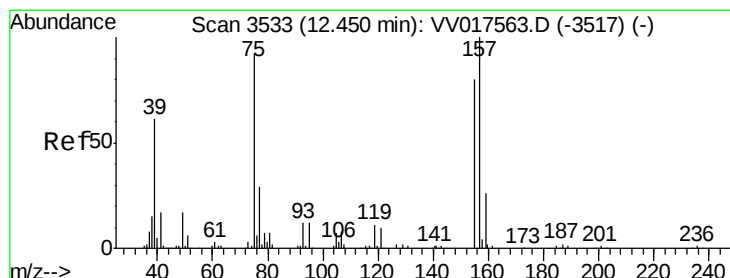
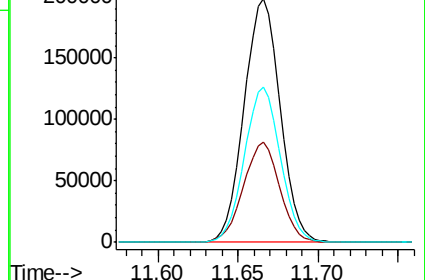
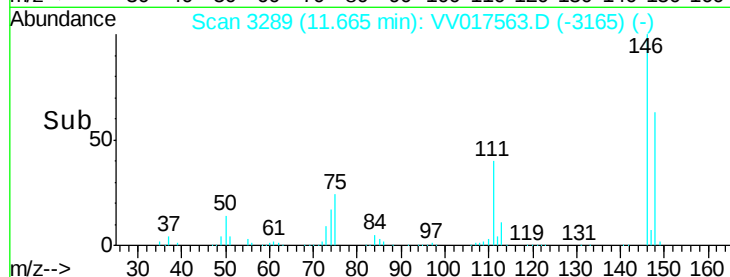
148 63.7 51.0 76.4



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: 49.045 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

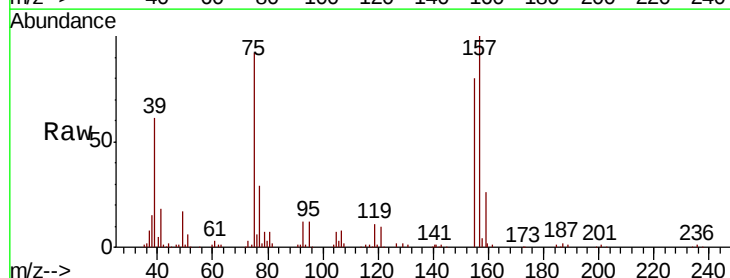
Tgt Ion: 75 Resp: 51899

Ion Ratio Lower Upper

75 100

155 86.5 69.2 103.8

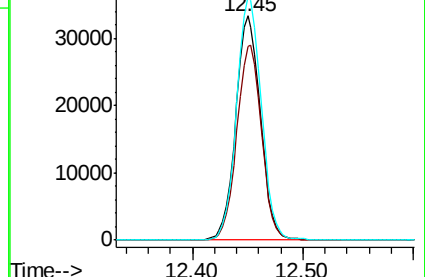
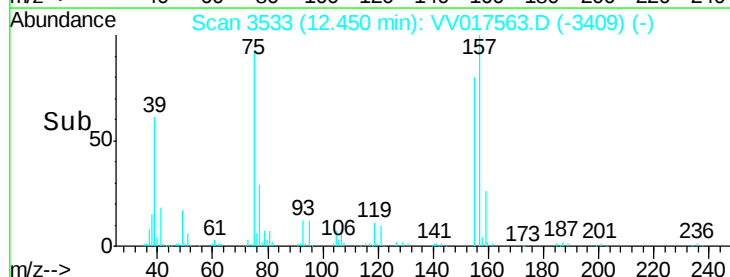
157 108.6 86.9 130.3

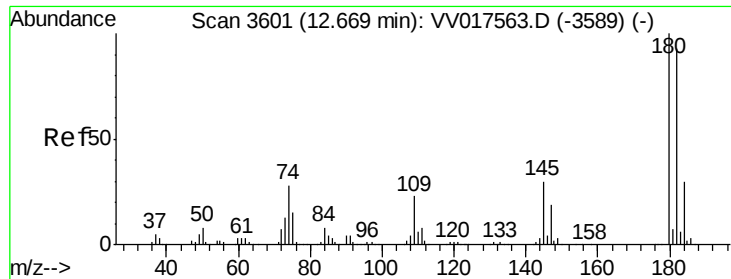


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

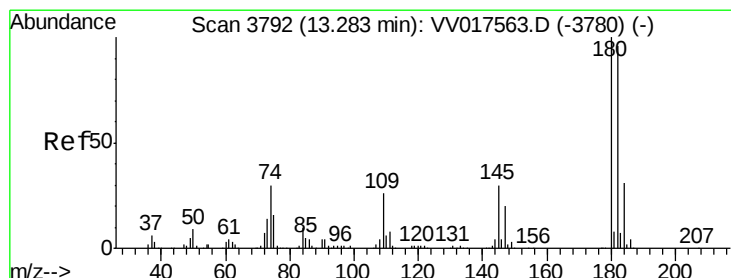
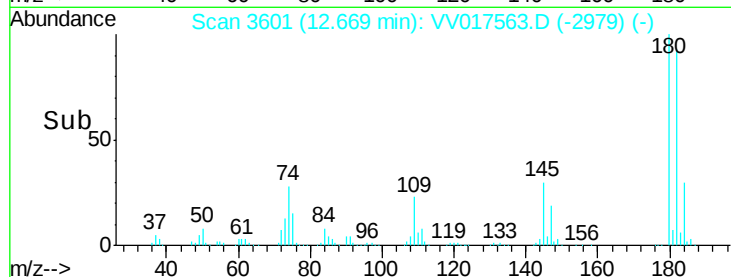
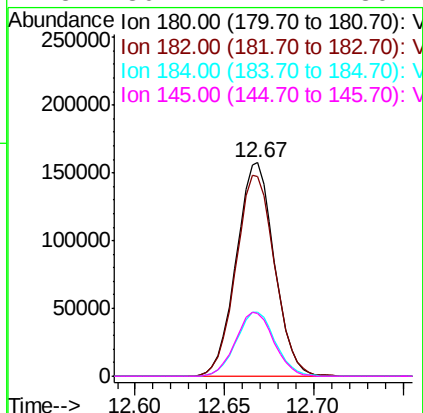
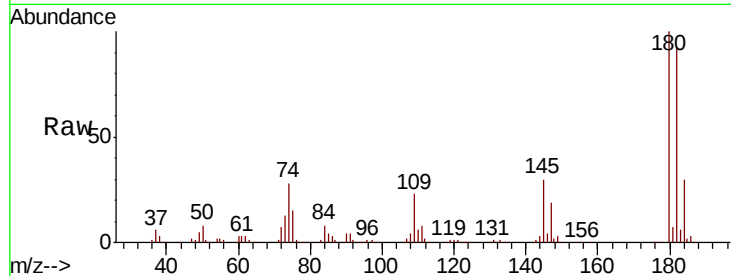




#67
 1,3,5-Trichlorobenzene
 Concen: 52.343 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017563.D
 Acq: 21 Jul 2020 14:16

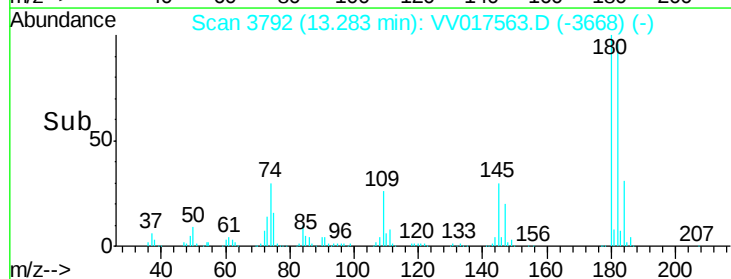
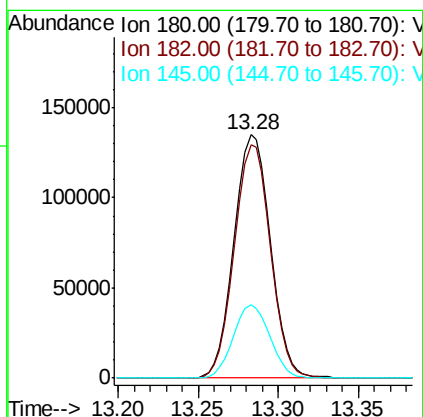
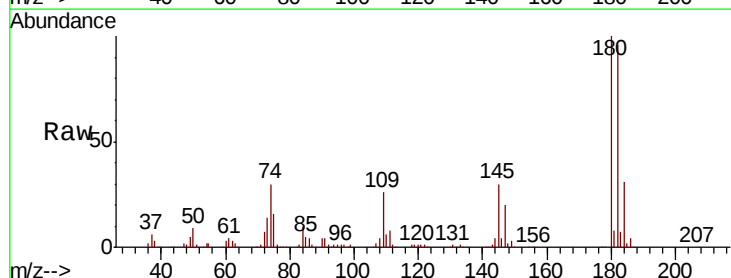
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

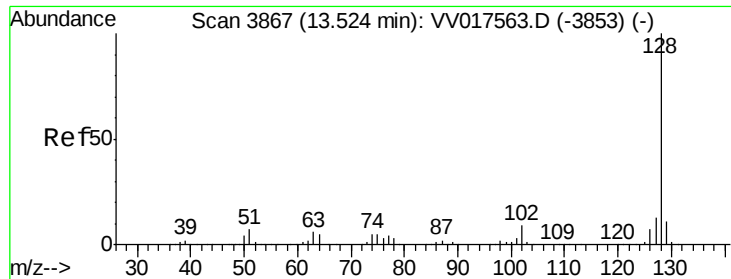
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
184	30.6	24.5	36.7
145	30.2	24.2	36.2



#68
 1,2,4-trichlorobenzene
 Concen: 52.018 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017563.D
 Acq: 21 Jul 2020 14:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	30.1	24.1	36.1





#69

Naphthalene

Concen: 54.250 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

Instrument :

MSVOA_V

ClientSampled :

VSTD05062

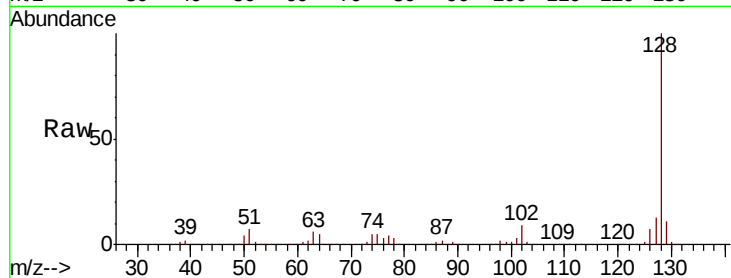
Tot Ion:128 Resp: 614964

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

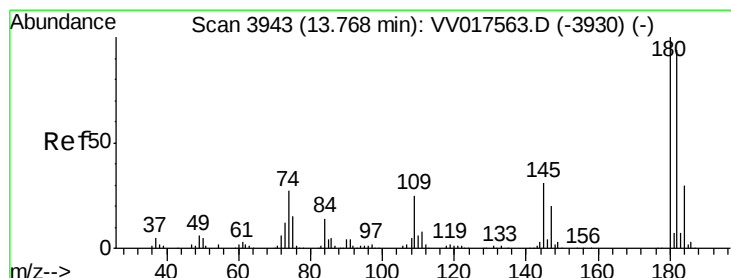
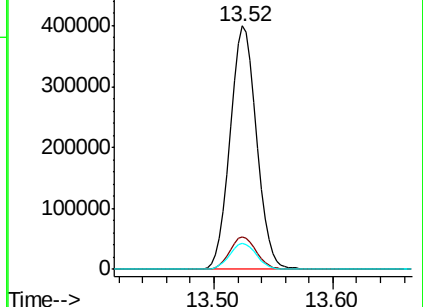
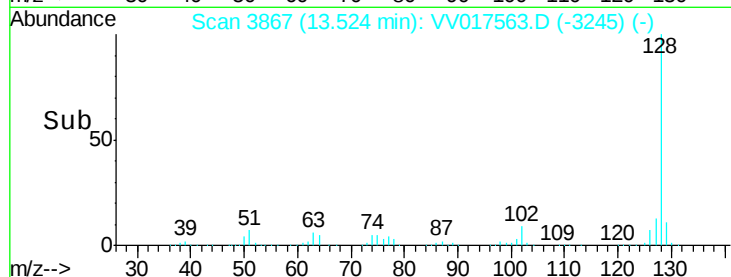
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.068 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017563.D

Acq: 21 Jul 2020 14:16

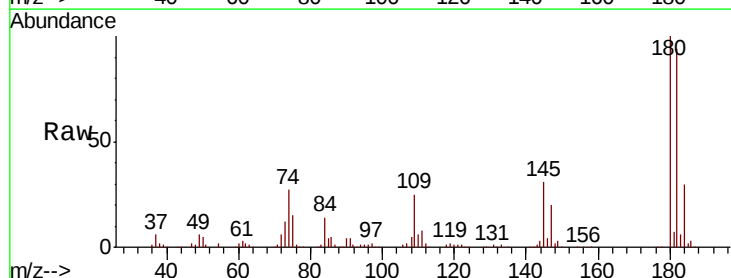
Tgt Ion:180 Resp: 212224

Ion Ratio Lower Upper

180 100

182 94.8 75.8 113.8

145 31.9 25.5 38.3



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

