

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070820\
 Data File : VV017390.D
 Acq On : 08 Jul 2020 11:34
 Operator : SY/MD
 Sample : VSTD20062
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

Quant Time: Jul 09 01:18:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 09 01:14:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	313460	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	304376	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	176877	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	330190	159.21	ug/L	0.00
7) Chloroethane-d5	1.58	69	221923	174.75	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	764217	206.21	ug/L	0.00
21) 2-Butanone-d5	3.90	46	484223	319.90	ug/L	0.00
24) Chloroform-d	4.38	84	774597	178.93	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	545176	184.08	ug/L	0.00
32) Benzene-d6	5.08	84	1360730	164.13	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	388499	152.80	ug/L	0.00
41) Toluene-d8	7.34	98	1335188	173.79	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	249888	183.36	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	373209	340.92	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	543842	160.32	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	581343	161.53	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	653460	247.346	ug/L	100
3) Chloromethane	1.25	50	449994	198.159	ug/L	100
5) Vinyl chloride	1.32	62	474086	212.392	ug/L	97
6) Bromomethane	1.53	94	248591	253.499	ug/L	95
8) Chloroethane	1.59	64	237599	214.808	ug/L	99
9) Trichlorofluoromethane	1.76	101	883501	249.354	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	409966	235.708	ug/L	99
12) 1,1-Dichloroethene	2.13	96	374362	233.462	ug/L	99
13) Acetone	2.18	43	588776	506.145	ug/L	98
14) Carbon disulfide	2.31	76	1157794	206.090	ug/L	99
15) Methyl Acetate	2.44	43	404979	174.779	ug/L	99
16) Methylene chloride	2.52	84	416962	186.022	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	407816	194.097	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	1398338	201.552	ug/L	100
19) 1,1-Dichloroethane	3.21	63	735656	187.967	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	445854	195.784	ug/L	99
22) 2-Butanone	3.98	43	649581	398.712	ug/L	93
23) Bromochloromethane	4.27	128	245584	202.505	ug/L	98
25) Chloroform	4.40	83	838114	204.497	ug/L	100
27) 1,2-Dichloroethane	5.15	62	740439	213.300	ug/L	100
29) Cyclohexane	4.70	56	654504	179.516	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	838744	213.584	ug/L	100
31) Carbon tetrachloride	4.86	117	771328	224.810	ug/L	100
33) Benzene	5.13	78	1623489	184.949	ug/L	100
34) Trichloroethene	5.94	95	457465	191.199	ug/L	97
35) Methylcyclohexane	6.15	83	728704	195.140	ug/L	99
37) 1,2-Dichloropropane	6.20	63	393880	174.698	ug/L	99
38) Bromodichloromethane	6.53	83	647278	208.368	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	736249	206.146	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	1127444	356.513	ug/L	99

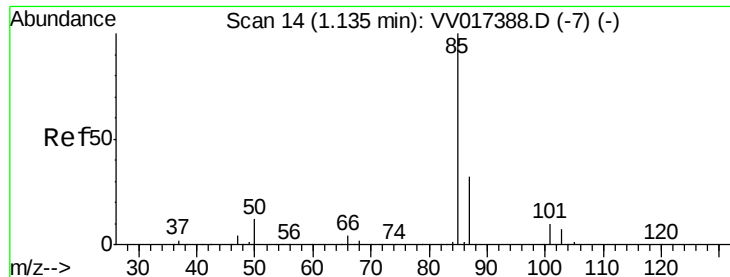
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070820\
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 Quant Title : VOC Analysis
 QLast Update : Thu Jul 09 01:14:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	1825582	195.184	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	759973	217.064	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	416465	188.048	ug/L	96
46) Tetrachloroethene	8.00	164	403459	211.611	ug/L	95
48) 2-Hexanone	8.16	43	938127	377.333	ug/L	100
49) Dibromochloromethane	8.27	129	553319	226.505	ug/L	99
50) 1,2-Dibromoethane	8.37	107	464825	198.882	ug/L	98
51) Chlorobenzene	8.90	112	1210758	197.151	ug/L	100
52) Ethylbenzene	9.03	91	2129938	205.050	ug/L	99
53) m,p-Xylene	9.16	106	811686	209.307	ug/L	99
54) o-xylene	9.57	106	776415	203.170	ug/L	100
55) Styrene	9.58	104	1372956	211.930	ug/L	97
56) Isopropylbenzene	9.95	105	2184900	211.990	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	630230	186.897	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	541927	190.344	ug/L	98
61) Bromoform	9.75	173	431598	232.133	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	1069579	192.595	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	1079795	191.787	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	1050021	189.653	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	187021	212.340	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	841409	201.718	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	781232	206.145	ug/L	99
69) Naphthalene	13.52	128	2309324	212.958	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	780732	208.415	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 247.346 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

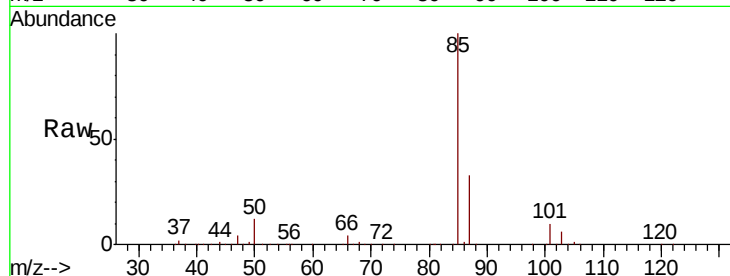
VSTD20062

Tot Ion: 85 Resp: 653460

Ion Ratio Lower Upper

85 100

87 32.6 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV017388.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV017388.D (-7) (-)

1.14

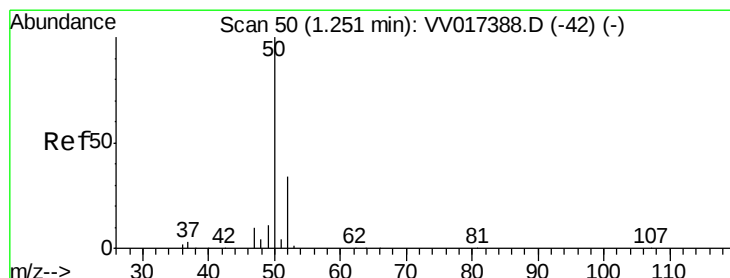
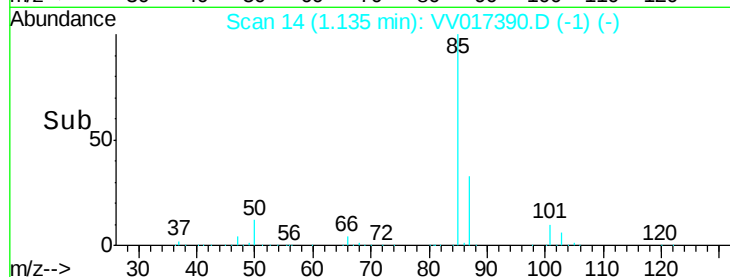
600000

400000

200000

0

Time-->



#3

Chloromethane

Concen: 198.159 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV017390.D

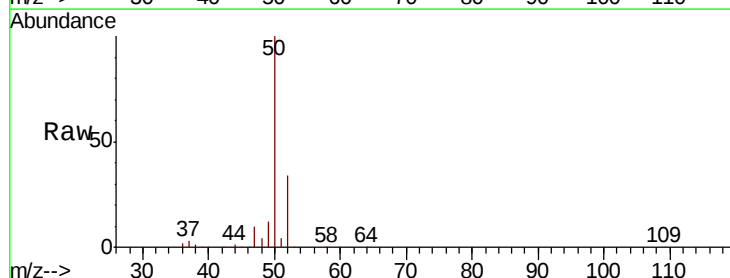
Acq: 08 Jul 2020 11:34

Tgt Ion: 50 Resp: 449994

Ion Ratio Lower Upper

50 100

52 33.6 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VV017388.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV017388.D (-42) (-)

1.25

500000

400000

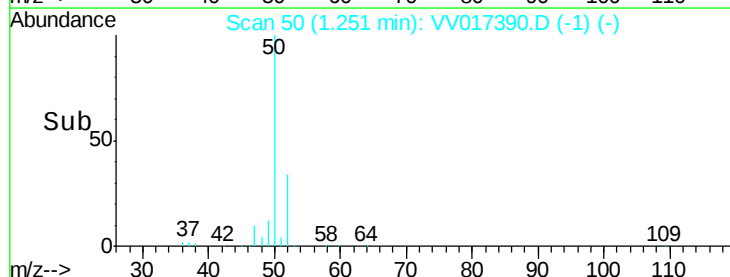
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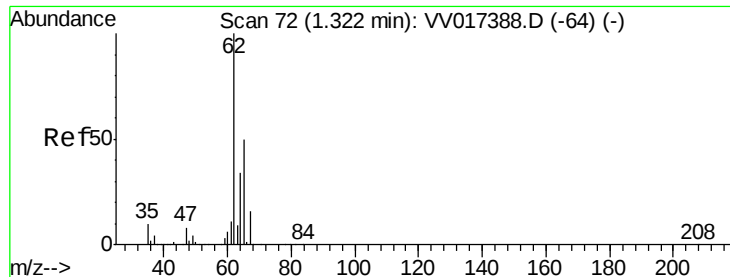
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 212.392 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

Instrument :

MSVOA_V

ClientSampled :

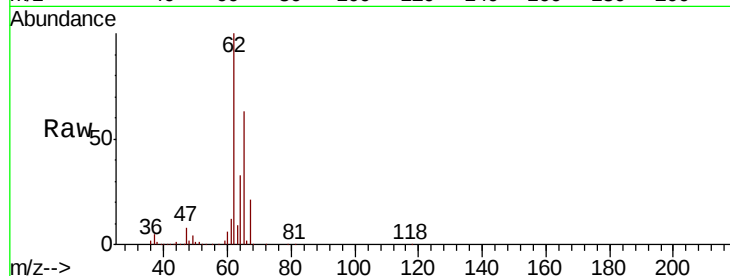
VSTD20062

Tot Ion: 62 Resp: 474086

Ion Ratio Lower Upper

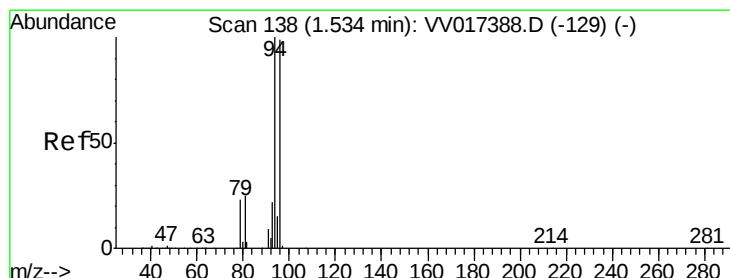
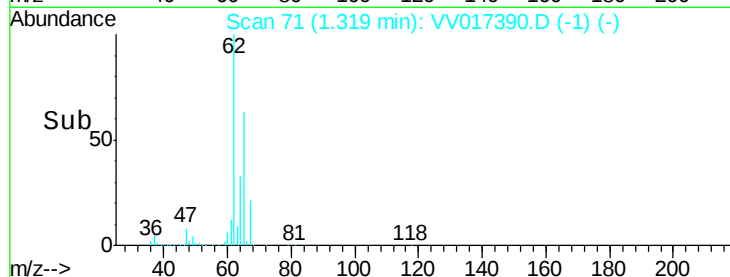
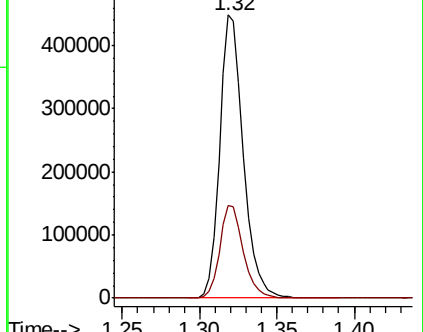
62 100

64 32.7 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 253.499 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017390.D

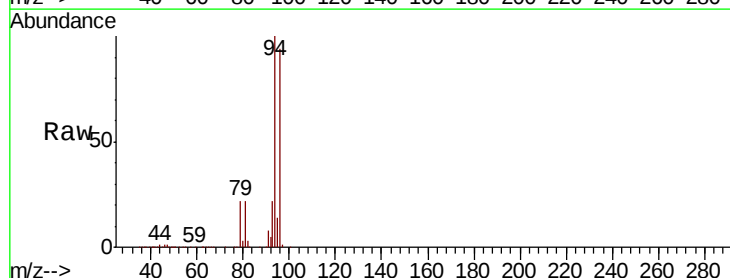
Acq: 08 Jul 2020 11:34

Tgt Ion: 94 Resp: 248591

Ion Ratio Lower Upper

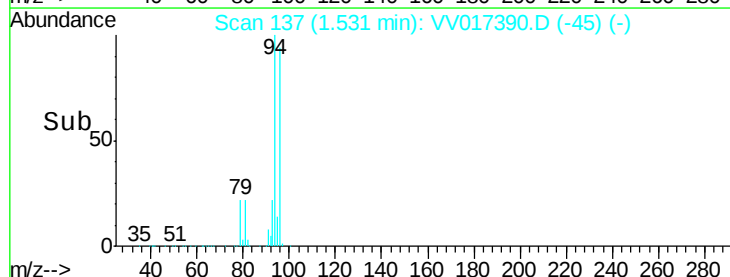
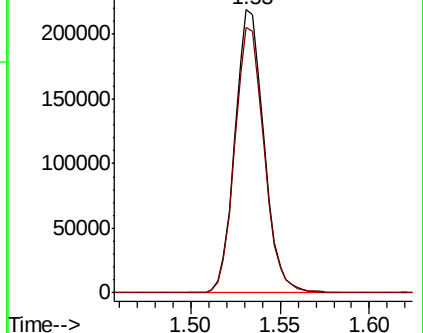
94 100

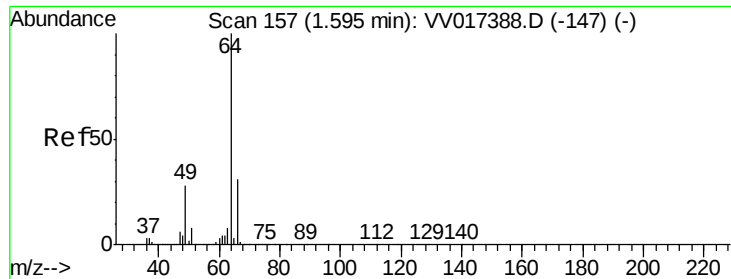
96 94.0 69.0 128.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 214.808 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

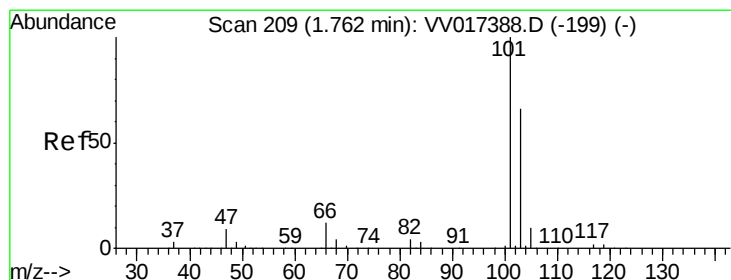
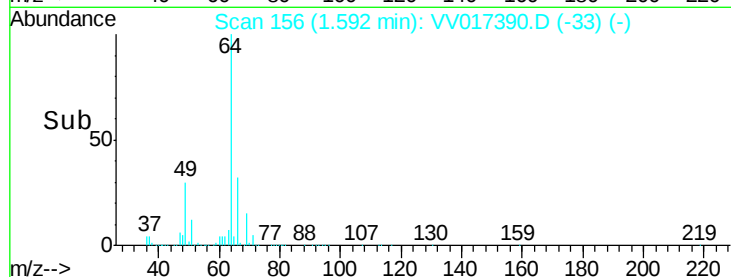
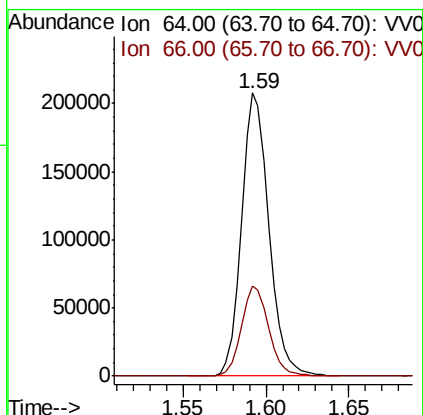
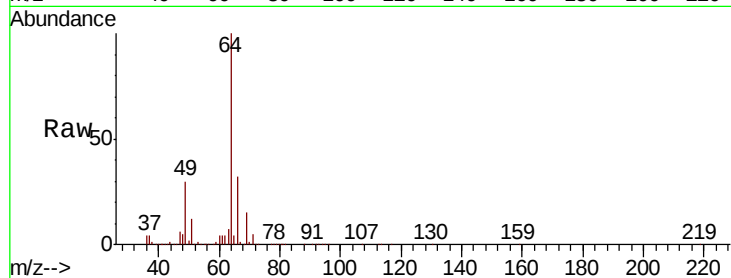
VSTD20062

Tot Ion: 64 Resp: 237599

Ion Ratio Lower Upper

64 100

66 31.8 21.8 40.4



#9

Trichlorofluoromethane

Concen: 249.354 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV017390.D

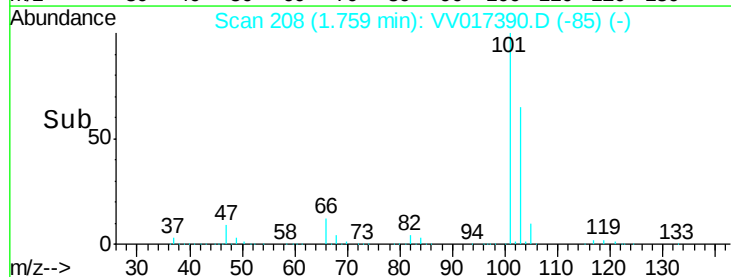
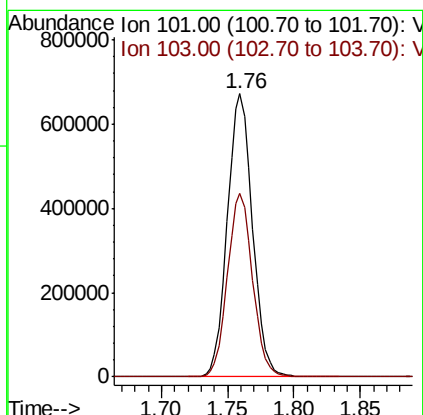
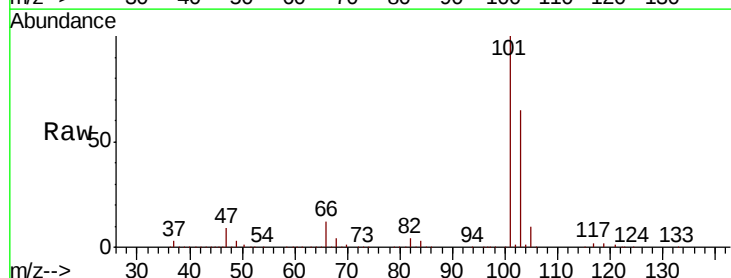
Acq: 08 Jul 2020 11:34

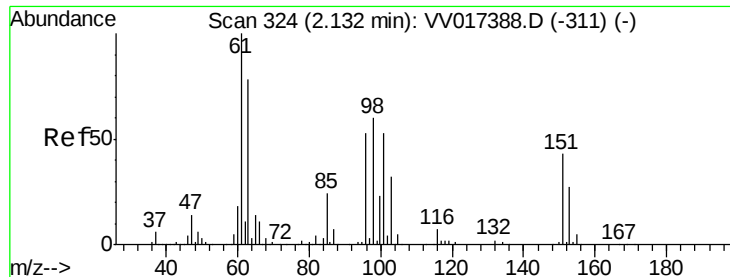
Tgt Ion: 101 Resp: 883501

Ion Ratio Lower Upper

101 100

103 64.8 51.9 77.9





#10

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

Concen: 235.708 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

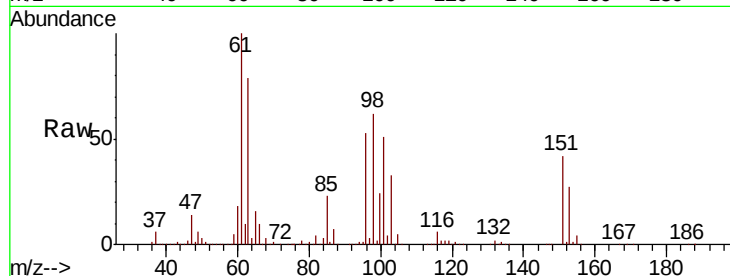
Tot Ion:101 Resp: 409966

Ion Ratio Lower Upper

101 100

85 44.2 36.2 54.4

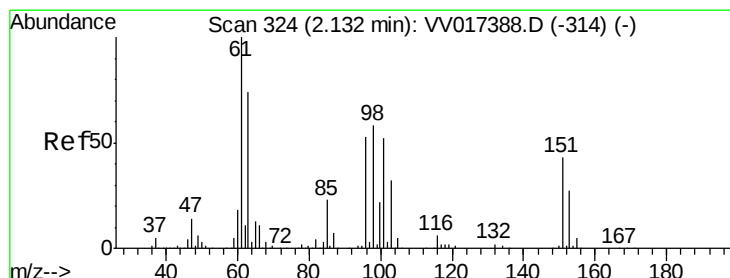
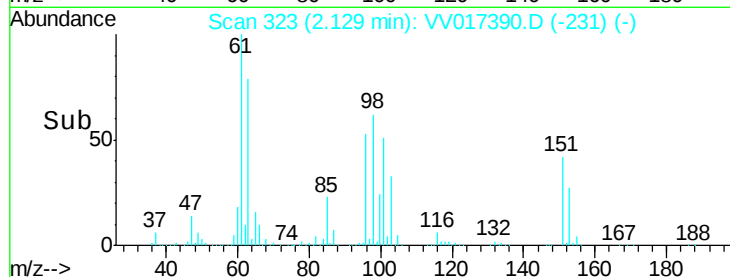
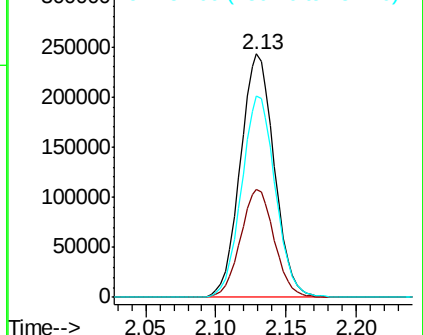
151 82.5 66.8 100.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 233.462 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

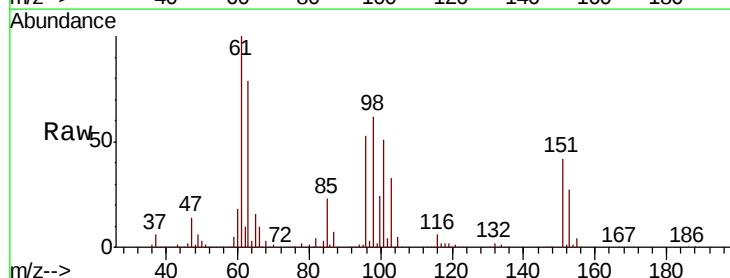
Tgt Ion: 96 Resp: 374362

Ion Ratio Lower Upper

96 100

61 187.8 132.7 246.4

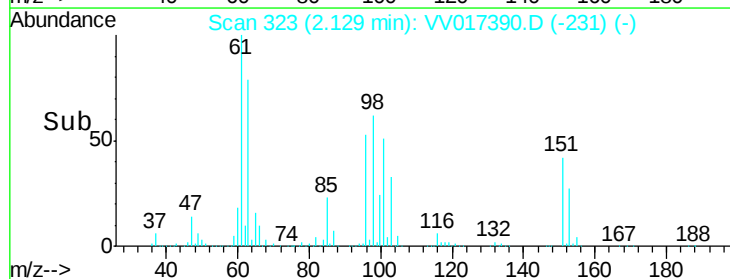
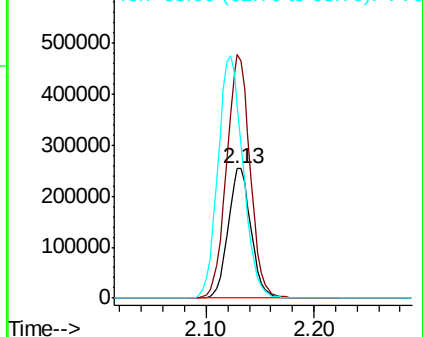
63 148.6 103.3 191.8

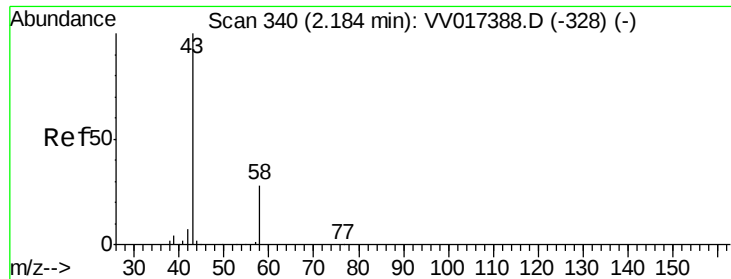


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 506.145 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

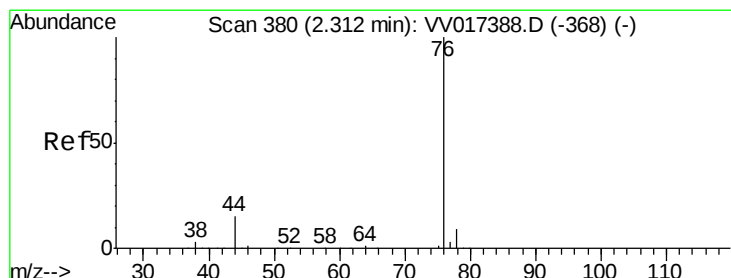
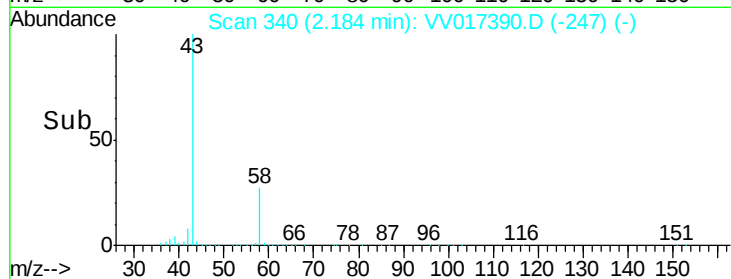
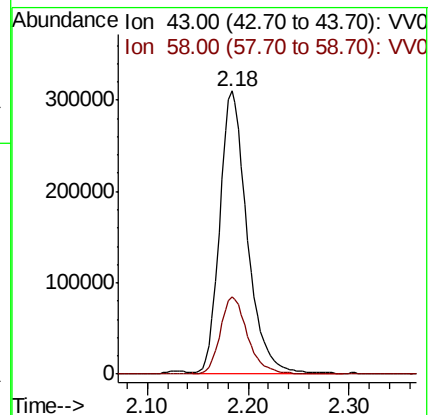
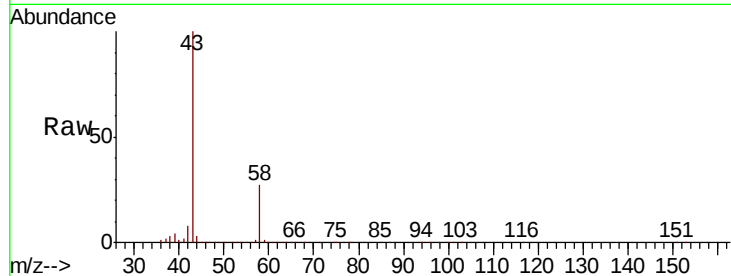
VSTD20062

Tot Ion: 43 Resp: 588776

Ion Ratio Lower Upper

43 100

58 26.8 0.0 56.0



#14

Carbon disulfide

Concen: 206.090 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV017390.D

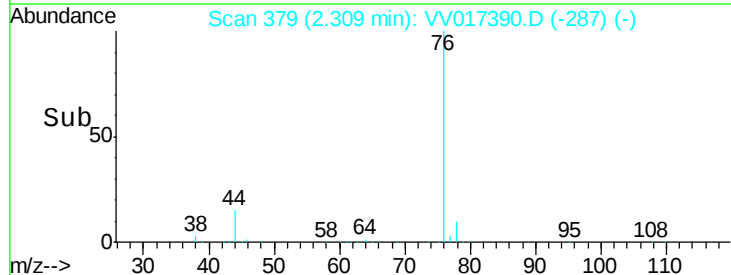
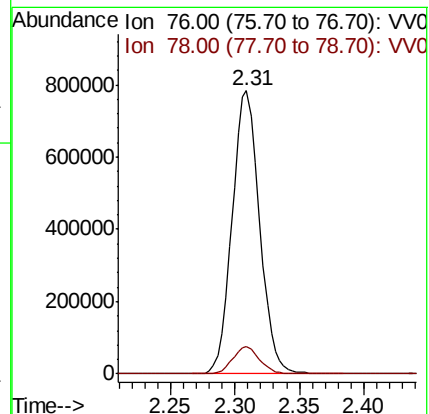
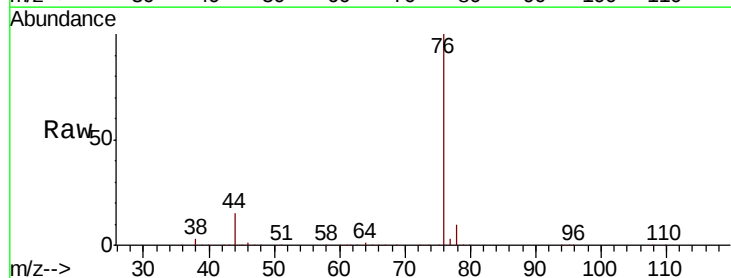
Acq: 08 Jul 2020 11:34

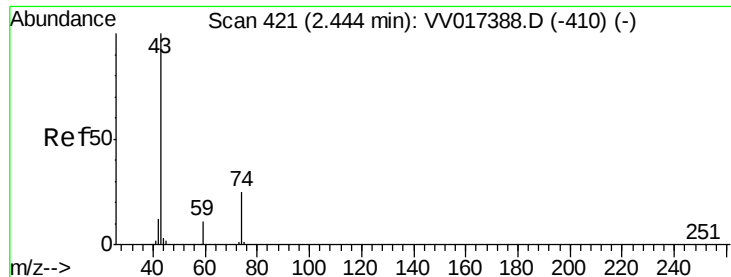
Tgt Ion: 76 Resp: 1157794

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2

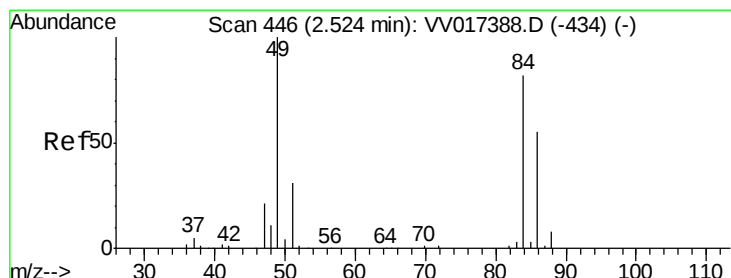
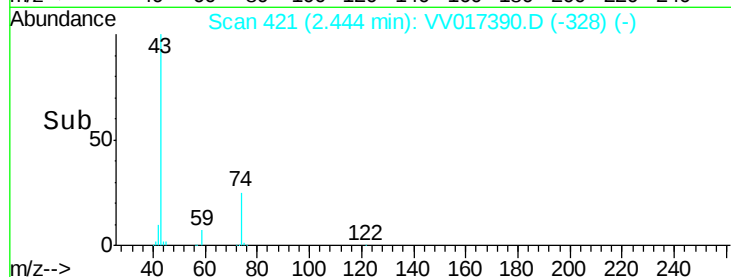
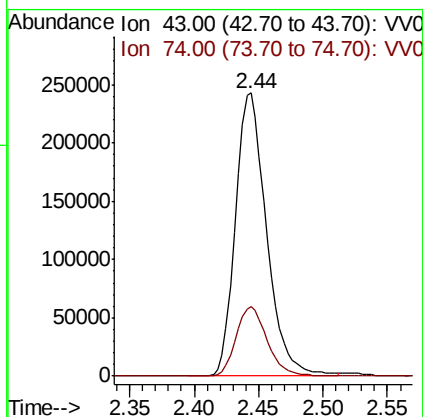
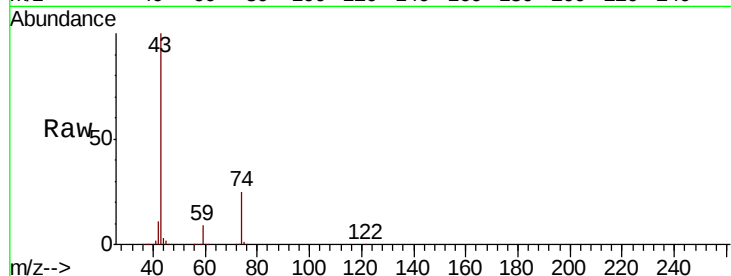




#15
Methvl Acetate
Concen: 174.779 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV017390.D
Acq: 08 Jul 2020 11:34

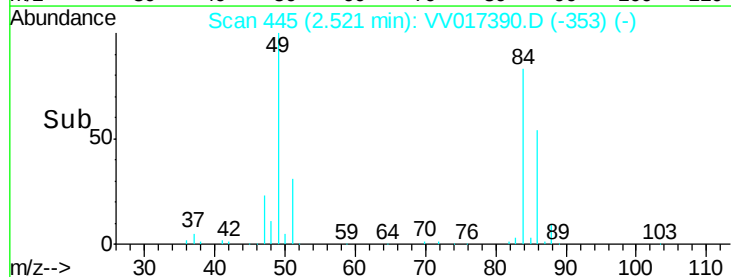
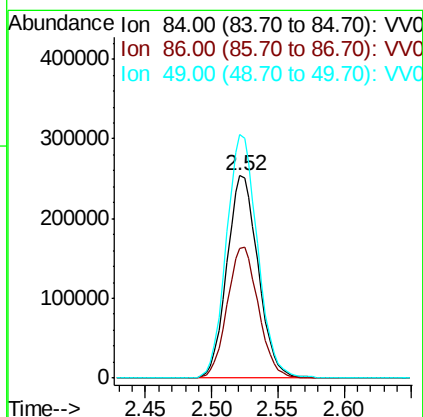
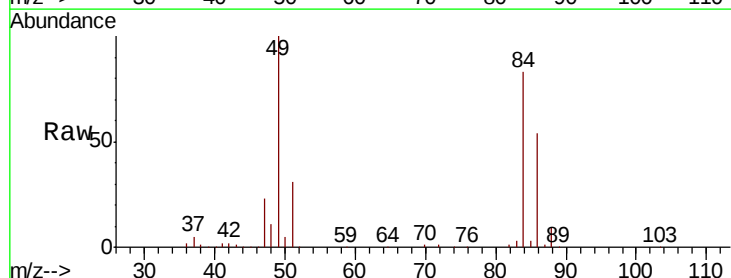
Instrument :
MSVOA_V
ClientSampled :
VSTD20062

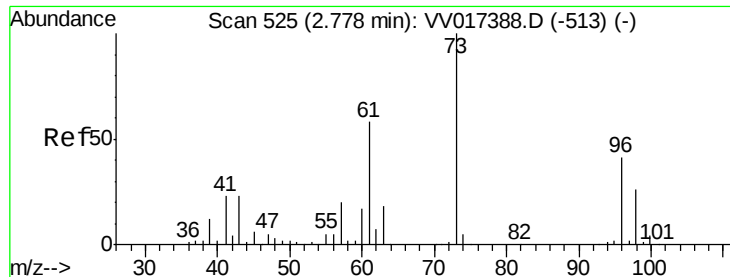
Tot Ion: 43 Resp: 404979
Ion Ratio Lower Upper
43 100
74 24.6 20.2 30.4



#16
Methylene chloride
Concen: 186.022 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017390.D
Acq: 08 Jul 2020 11:34

Tgt Ion: 84 Resp: 416962
Ion Ratio Lower Upper
84 100
86 64.4 46.5 86.5
49 120.3 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 194.097 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

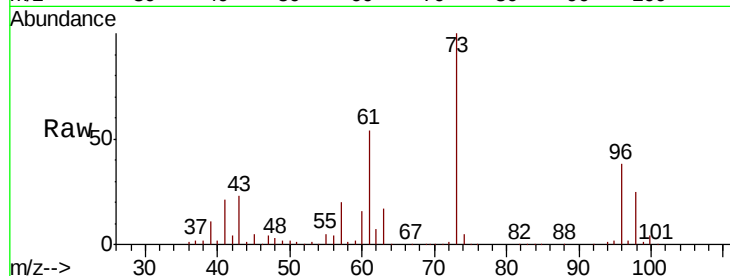
Tot Ion: 96 Resp: 407816

Ion Ratio Lower Upper

96 100

61 141.5 99.0 184.0

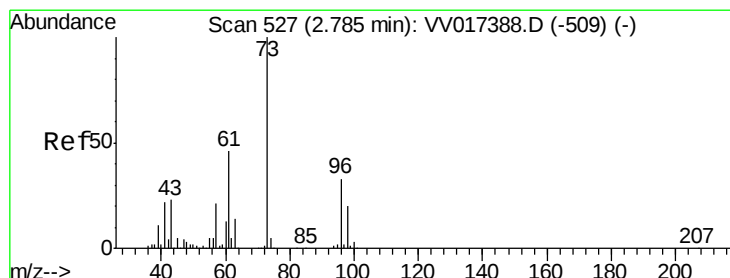
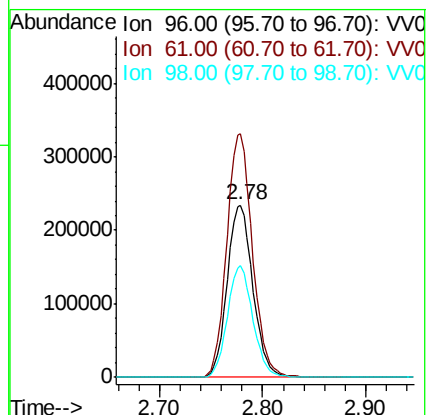
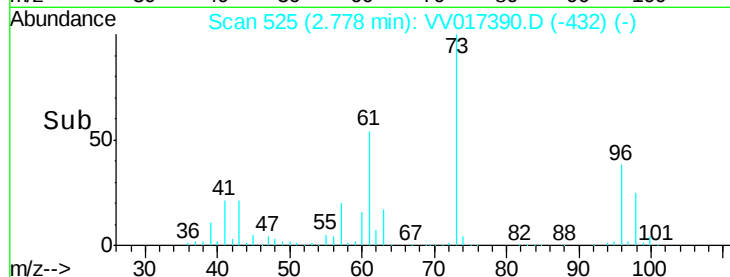
98 64.8 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 201.552 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

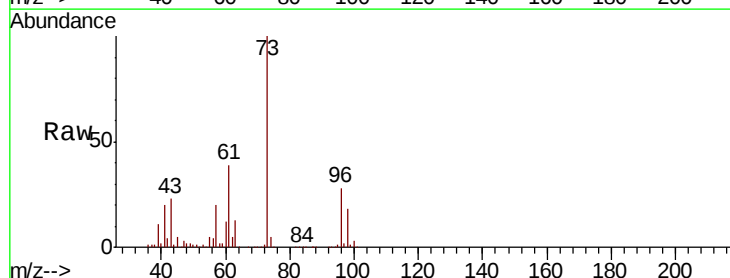
Tgt Ion: 73 Resp: 1398338

Ion Ratio Lower Upper

73 100

43 23.0 18.2 27.2

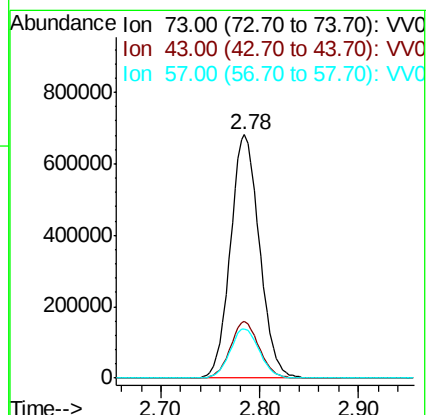
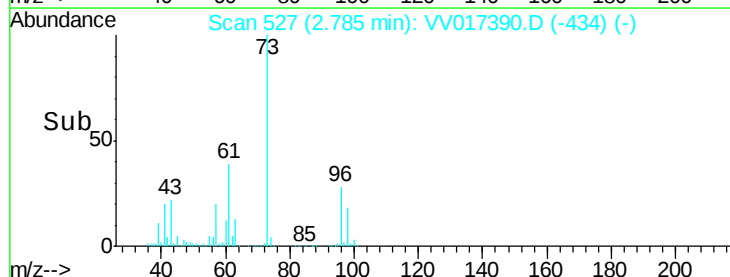
57 20.5 16.2 24.4

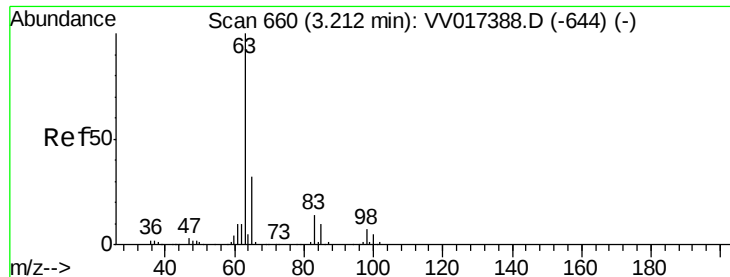


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

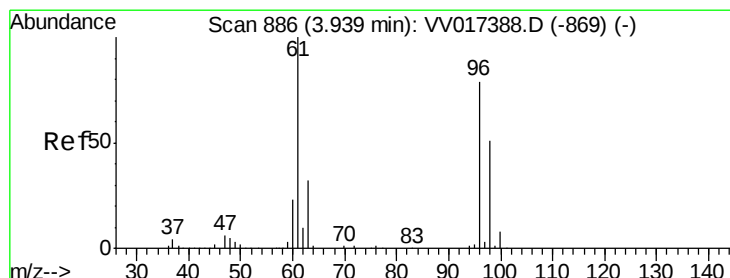
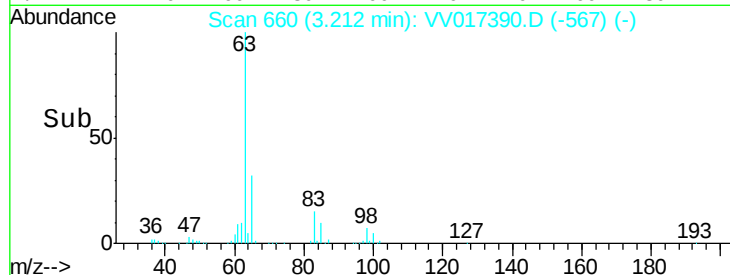
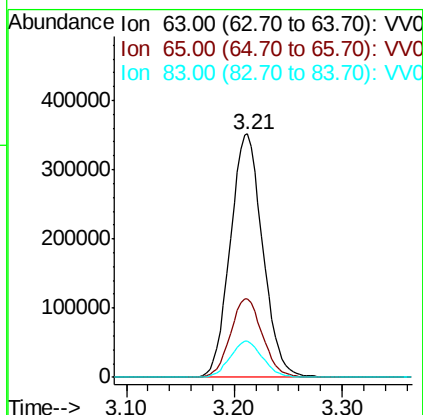
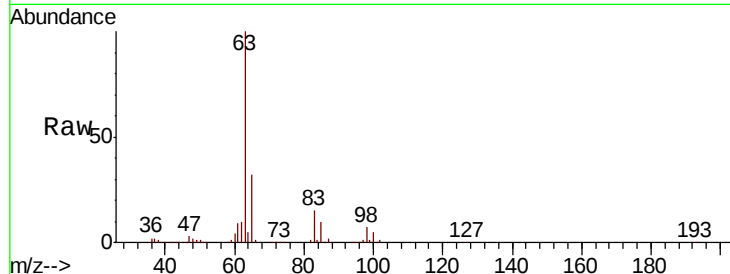




#19
 1,1-Dichloroethane
 Concen: 187.967 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV017390.D
 Acq: 08 Jul 2020 11:34

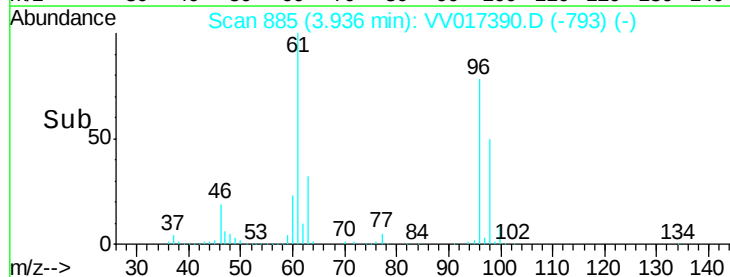
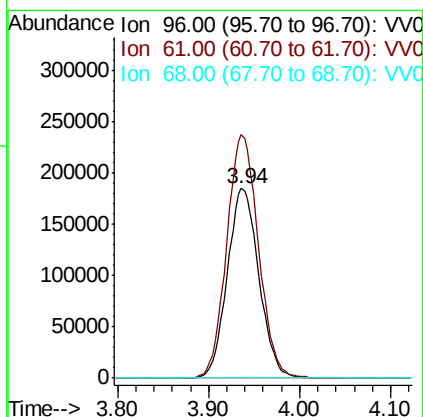
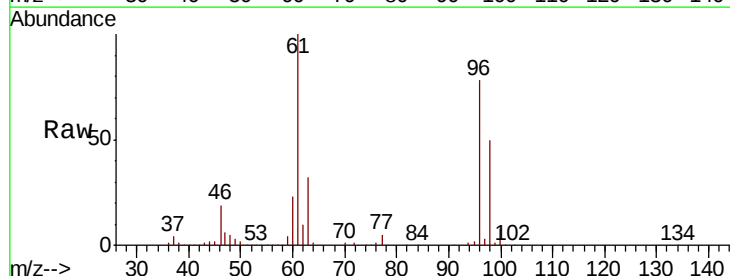
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

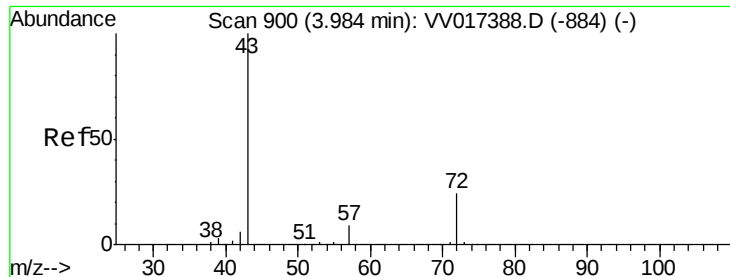
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	22.1	41.1
83	14.7	10.1	18.9



#20
 cis-1,2-Dichloroethene
 Concen: 195.784 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV017390.D
 Acq: 08 Jul 2020 11:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.4	88.9	165.1
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 398.712 ug/L

RT: 3.98 min Scan# 900

Delta R.T. 0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

Instrument :

MSVOA_V

ClientSampled :

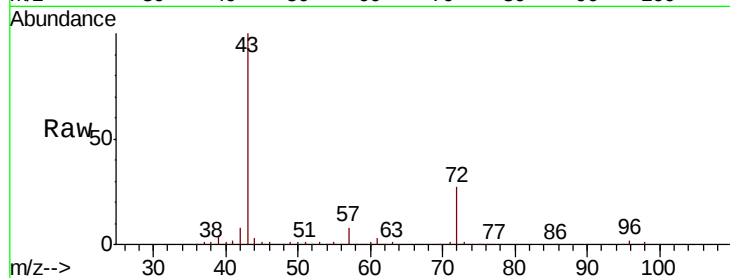
VSTD20062

Tot Ion: 43 Resp: 649581

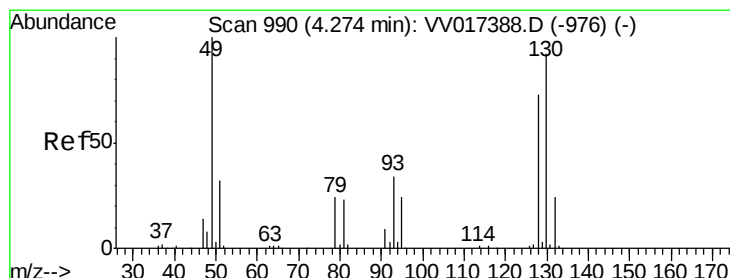
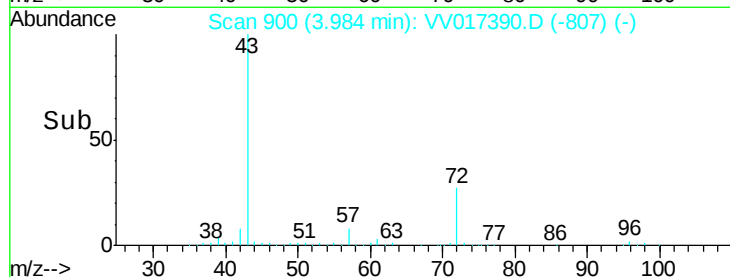
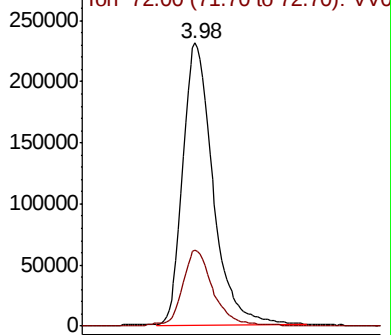
Ion Ratio Lower Upper

43 100

72 27.4 11.9 35.5



Abundance Ion 43.00 (42.70 to 43.70): VV017388.D (-884) (-)



#23

Bromochloromethane

Concen: 202.505 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

Tgt Ion: 128 Resp: 245584

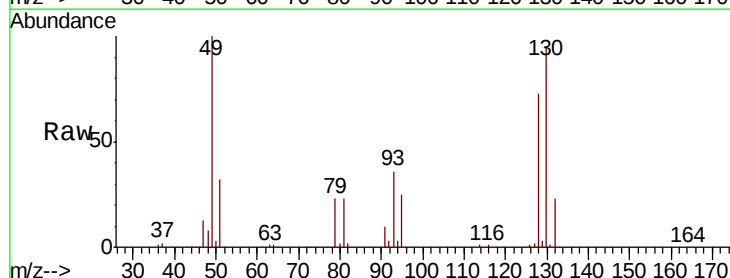
Ion Ratio Lower Upper

128 100

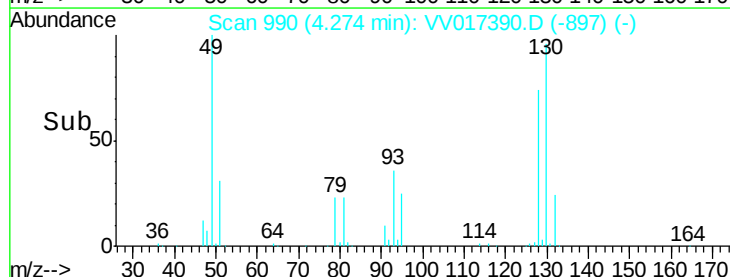
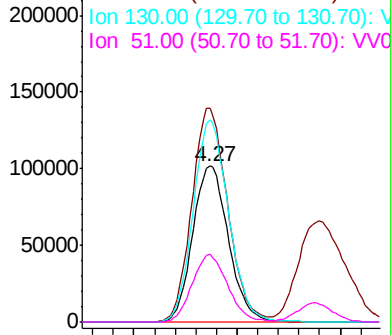
49 136.8 96.7 179.5

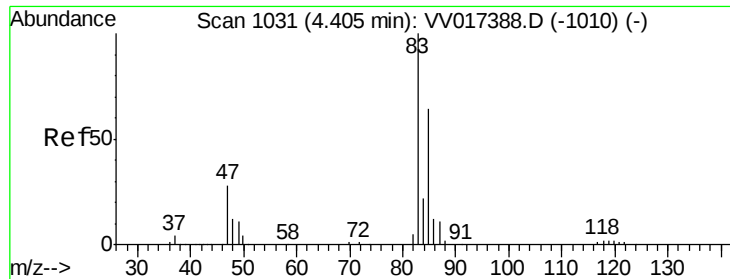
130 129.8 88.3 164.1

51 43.1 36.1 54.1



Abundance Ion 128.00 (127.70 to 128.70): VV017388.D (-976) (-)

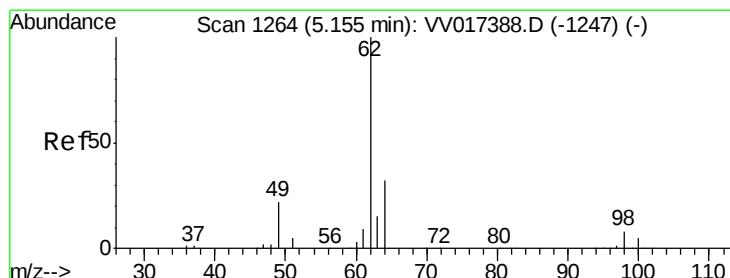
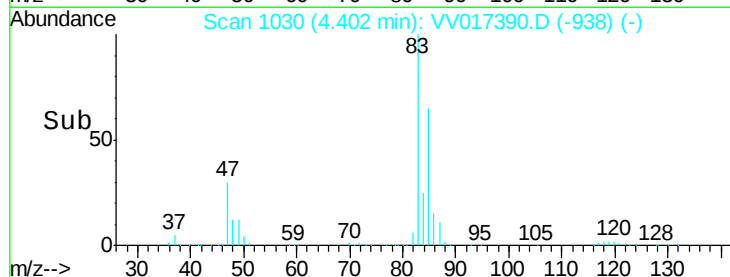
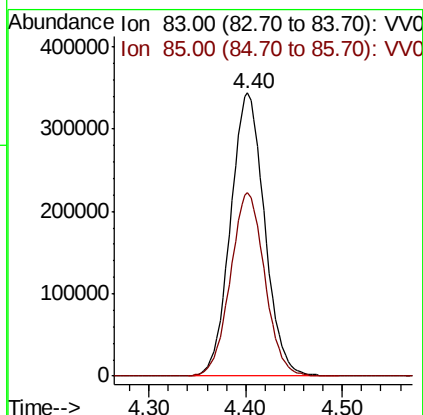
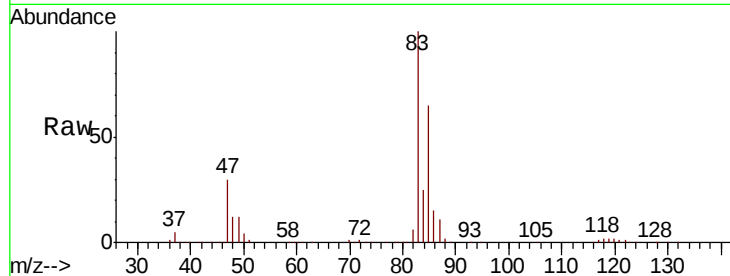




#25
Chloroform
Concen: 204.497 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV017390.D
Acq: 08 Jul 2020 11:34

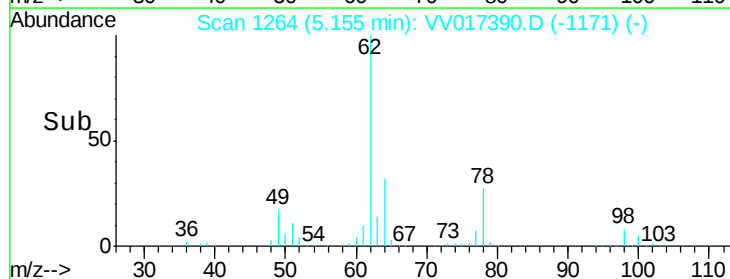
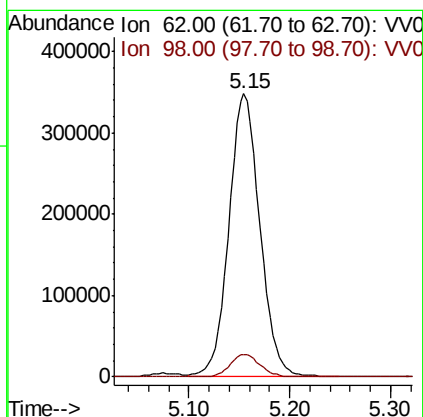
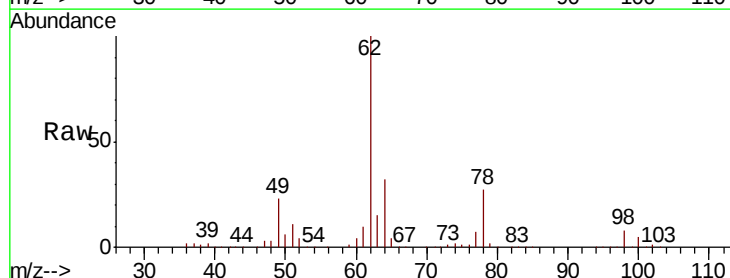
Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

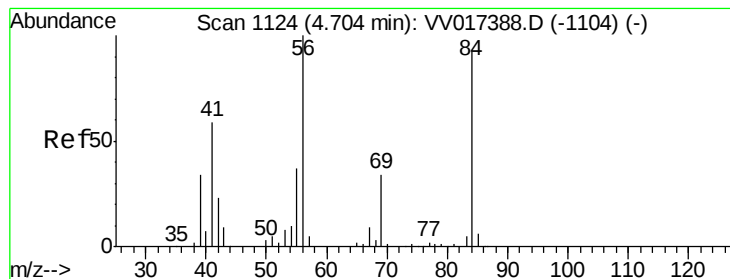
Tot Ion: 83 Resp: 838114
Ion Ratio Lower Upper
83 100
85 64.8 45.1 83.9



#27
1,2-Dichloroethane
Concen: 213.300 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017390.D
Acq: 08 Jul 2020 11:34

Tgt Ion: 62 Resp: 740439
Ion Ratio Lower Upper
62 100
98 8.1 6.4 9.6





#29

Cvclohexane

Concen: 179.516 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

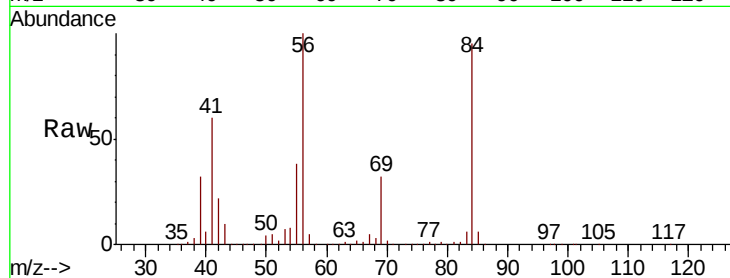
Tot Ion: 56 Resp: 654504

Ion Ratio Lower Upper

56 100

69 32.4 27.0 40.4

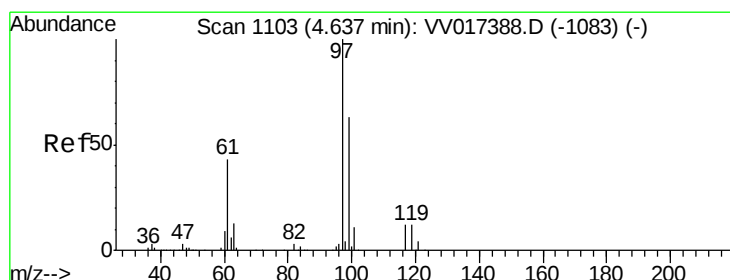
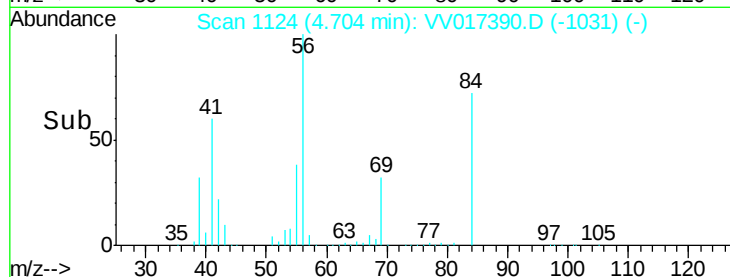
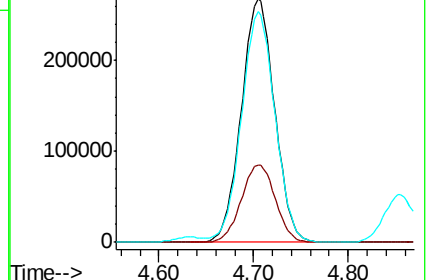
84 95.3 77.4 116.0



Abundance Ion 56.00 (55.70 to 56.70): VV017388.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV017388.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV017388.D (-1104) (-)



#30

1,1,1-Trichloroethane

Concen: 213.584 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

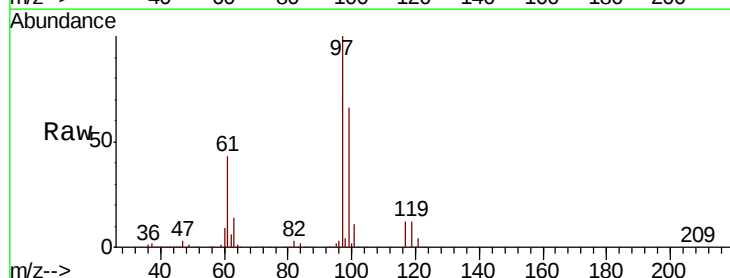
Tgt Ion: 97 Resp: 838744

Ion Ratio Lower Upper

97 100

99 64.5 51.3 76.9

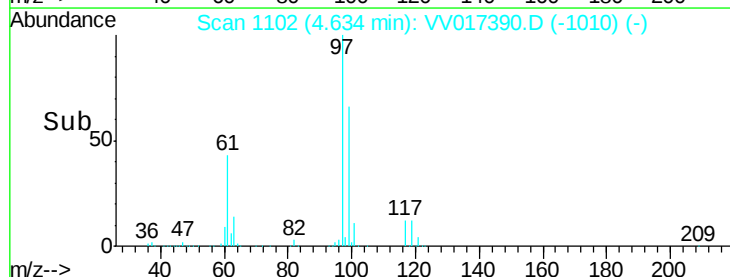
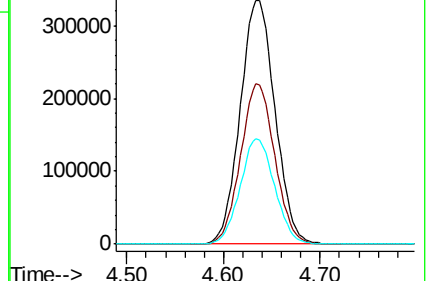
61 42.7 34.1 51.1

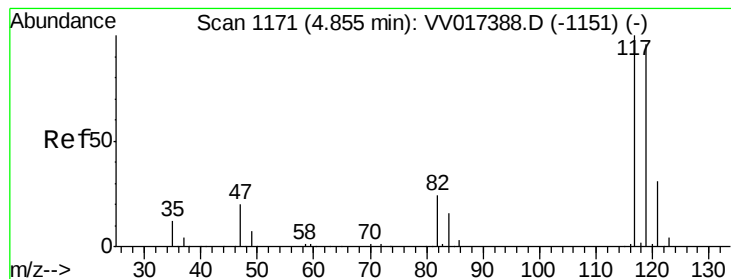


Abundance Ion 97.00 (96.70 to 97.70): VV017388.D (-1083) (-)

Ion 99.00 (98.70 to 99.70): VV017388.D (-1083) (-)

Ion 61.05 (60.75 to 61.75): VV017388.D (-1083) (-)





#31

Carbon tetrachloride

Concen: 224.810 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

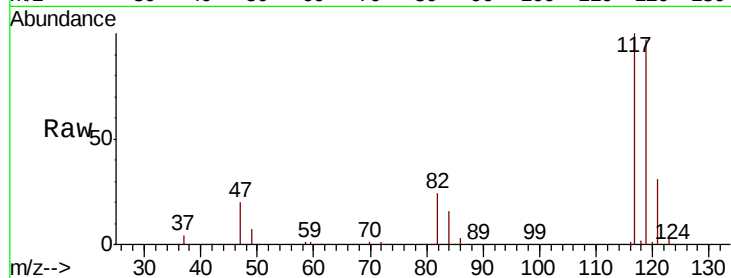
VSTD20062

Tot Ion:117 Resp: 771328

Ion Ratio Lower Upper

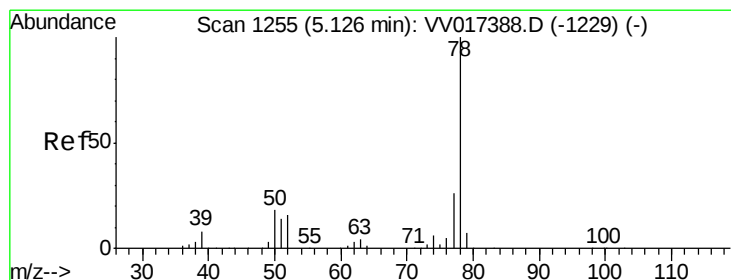
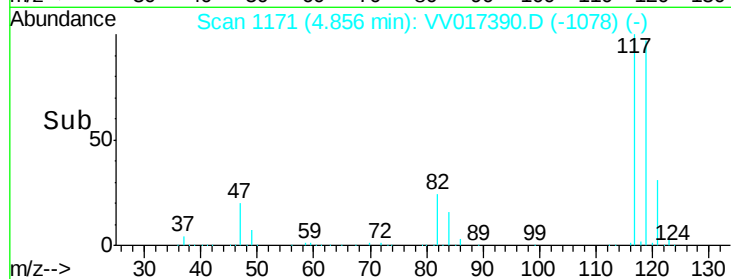
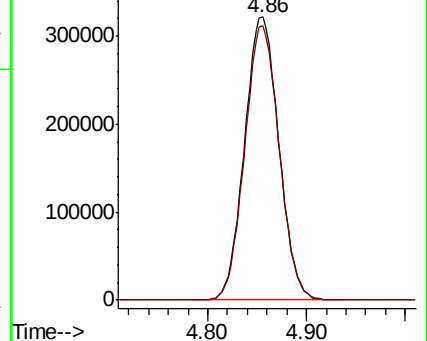
117 100

119 97.0 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 184.949 ug/L

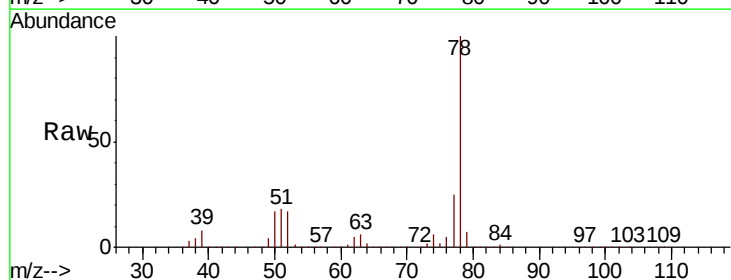
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

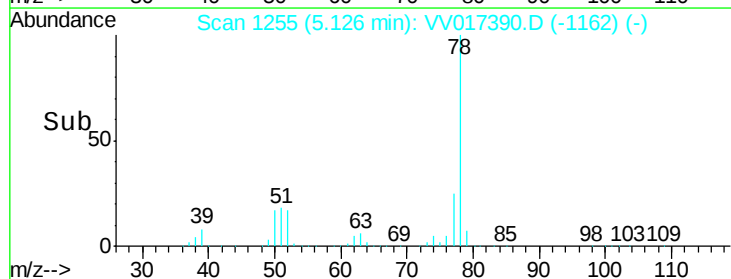
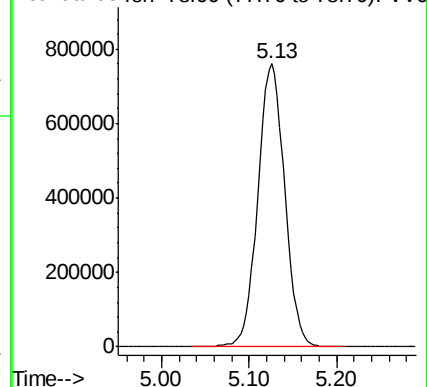
Lab File: VV017390.D

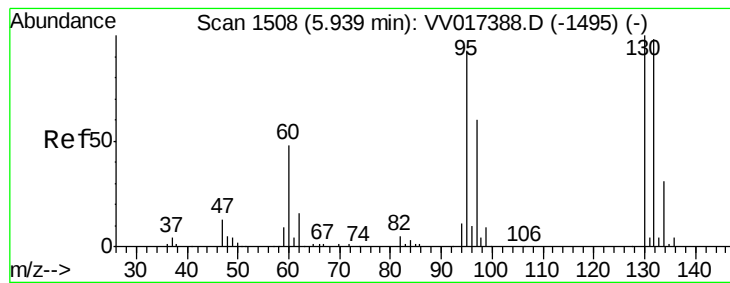
Acq: 08 Jul 2020 11:34

Tgt Ion: 78 Resp: 1623489



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 191.199 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

Tot Ion: 95 Resp: 457465

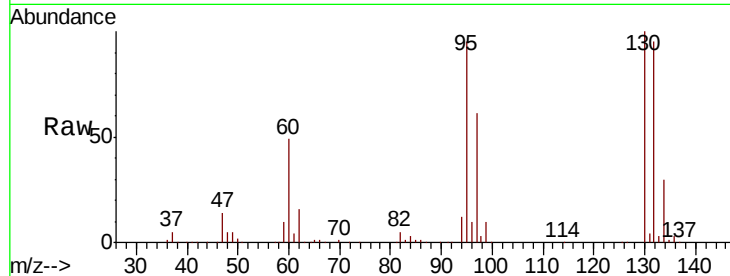
Ion Ratio Lower Upper

95 100

97 64.5 45.6 84.6

132 100.6 74.1 137.5

130 105.7 75.5 140.3



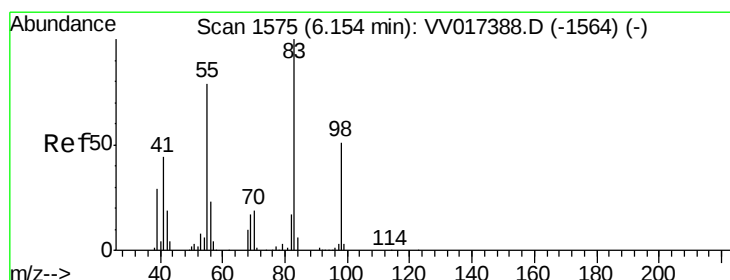
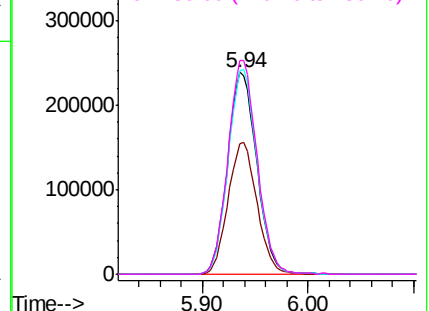
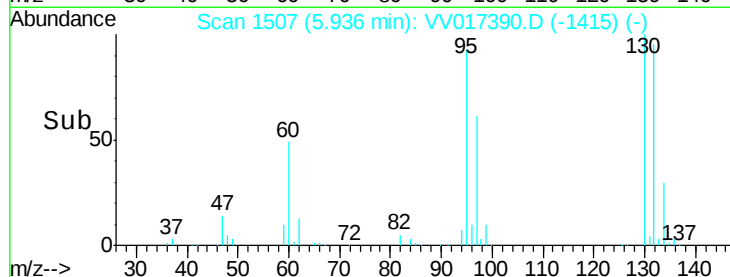
Abundance

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: 195.140 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

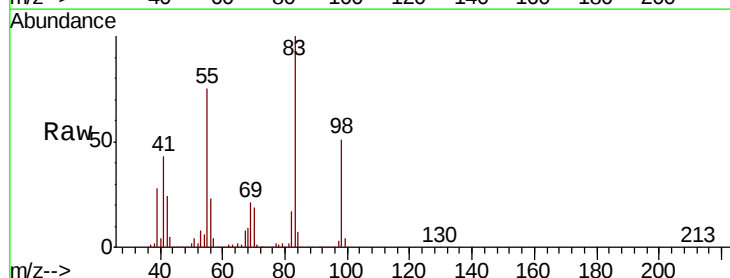
Tgt Ion: 83 Resp: 728704

Ion Ratio Lower Upper

83 100

55 74.8 61.0 91.6

98 51.1 41.3 61.9

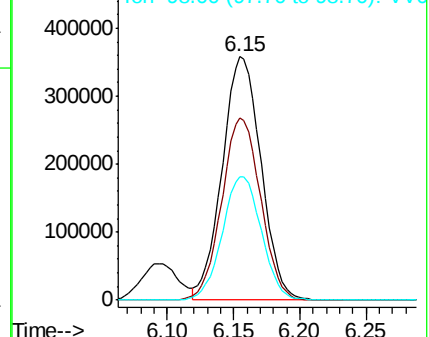
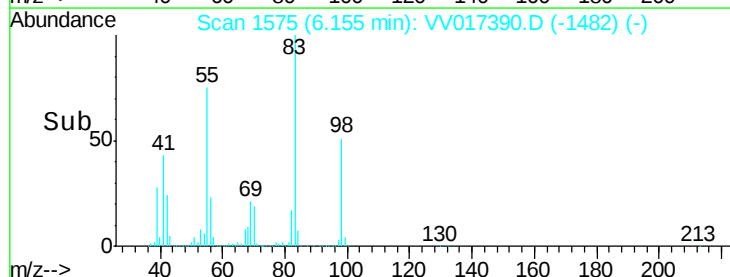


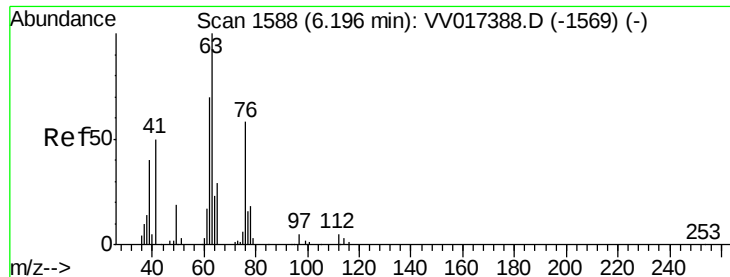
Abundance

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: 174.698 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

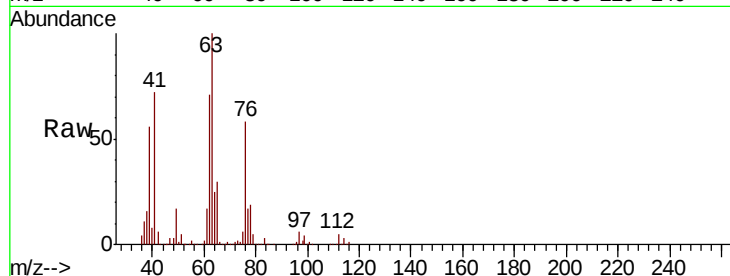
VSTD20062

Tot Ion: 63 Resp: 393880

Ion Ratio Lower Upper

63 100

112 5.3 4.4 6.6



Abundance Ion 63.00 (62.70 to 63.70): VV017388.D (-1569) (-)

Ion 112.00 (111.70 to 112.70): VV017388.D (-1569) (-)

6.20

200000

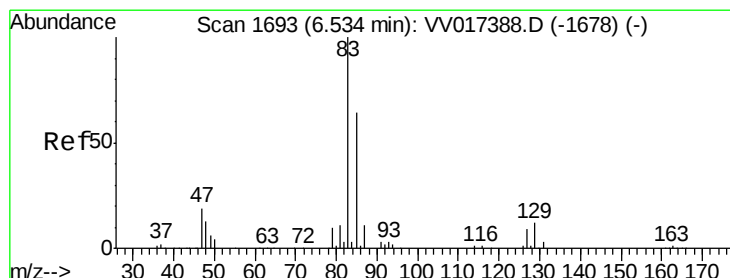
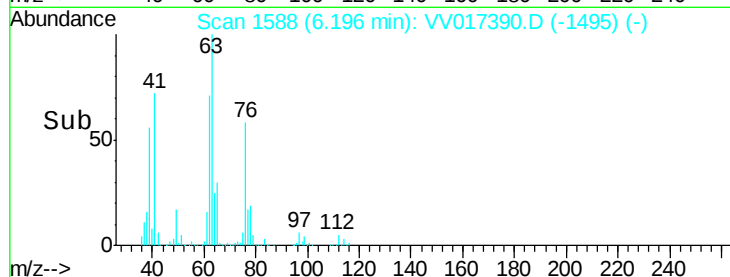
150000

100000

50000

0

Time-->



#38

Bromodichloromethane

Concen: 208.368 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

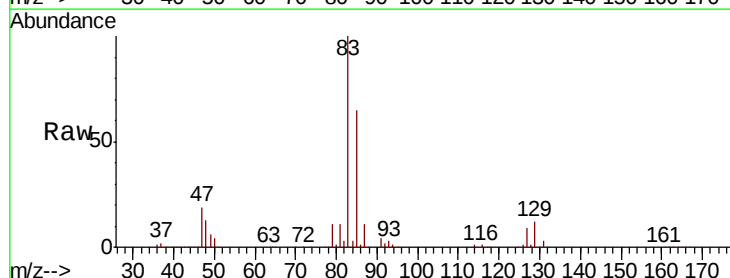
Tgt Ion: 83 Resp: 647278

Ion Ratio Lower Upper

83 100

85 64.6 44.6 82.8

127 9.2 7.4 11.2



Abundance Ion 83.00 (82.70 to 83.70): VV017388.D (-1678) (-)

Ion 85.00 (84.70 to 85.70): VV017388.D (-1678) (-)

Ion 127.00 (126.70 to 127.70): VV017388.D (-1678) (-)

6.53

400000

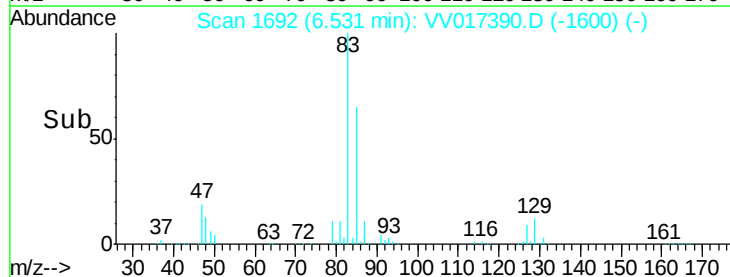
300000

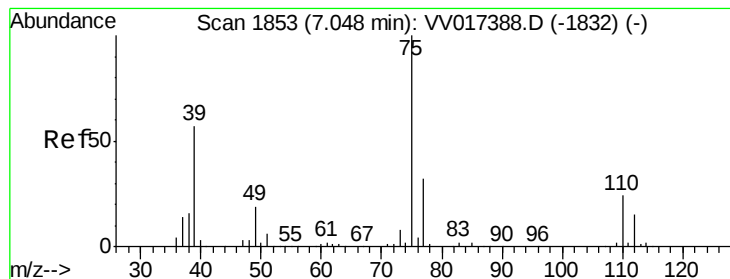
200000

100000

0

Time-->



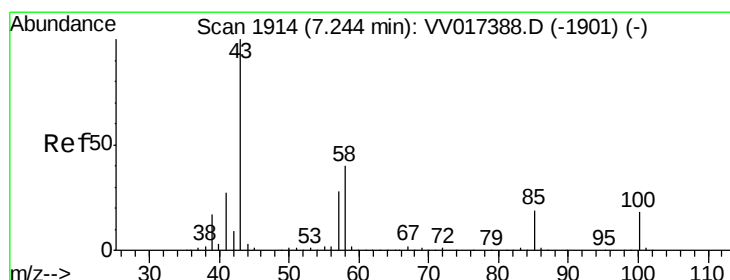
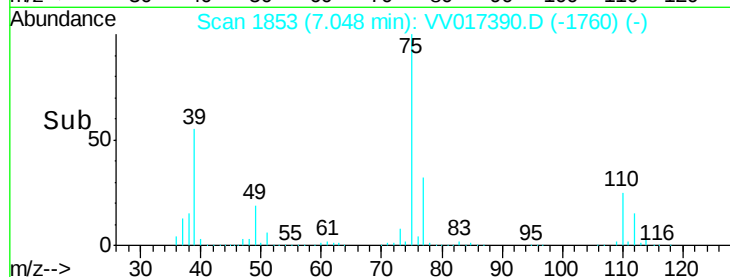
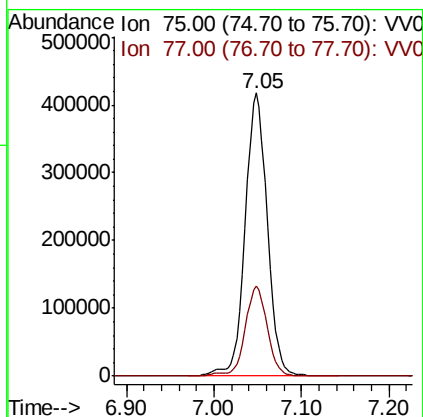
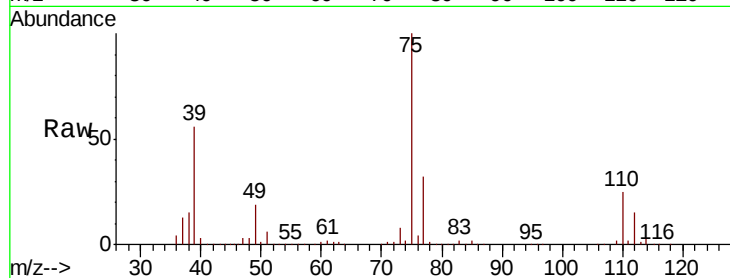


#39

cis-1,3-Dichloropropene
Concen: 206.146 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV017390.D
Acq: 08 Jul 2020 11:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

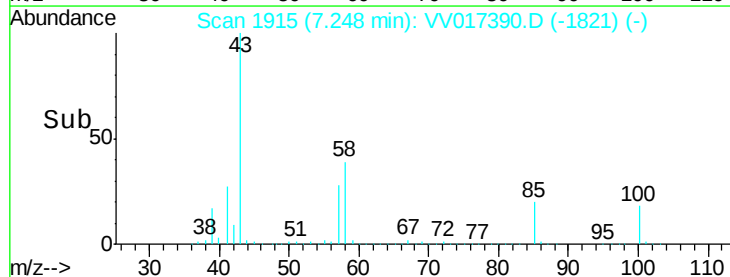
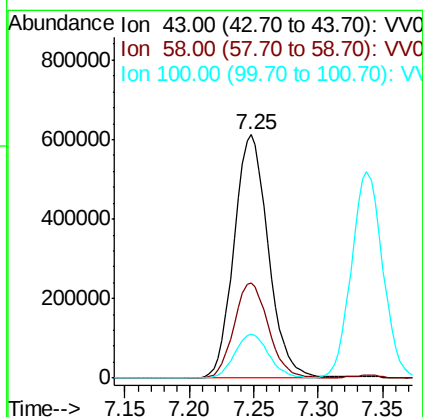
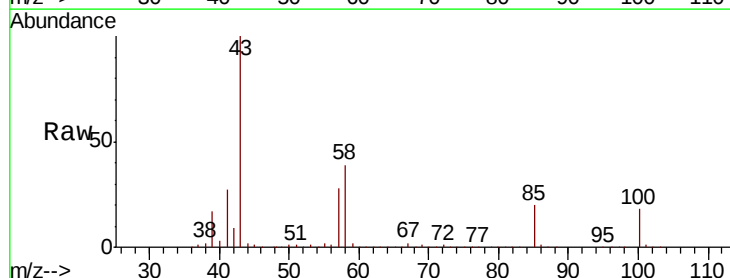
Tot Ion: 75 Resp: 736249
Ion Ratio Lower Upper
75 100
77 32.0 22.2 41.2

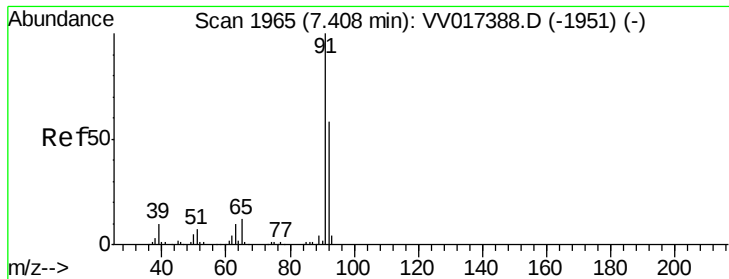


#40

4-Methyl-2-pentanone
Concen: 356.513 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VV017390.D
Acq: 08 Jul 2020 11:34

Tgt Ion: 43 Resp: 1127444
Ion Ratio Lower Upper
43 100
58 39.6 32.2 48.4
100 18.0 14.1 21.1





#42

Toluene

Concen: 195.184 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

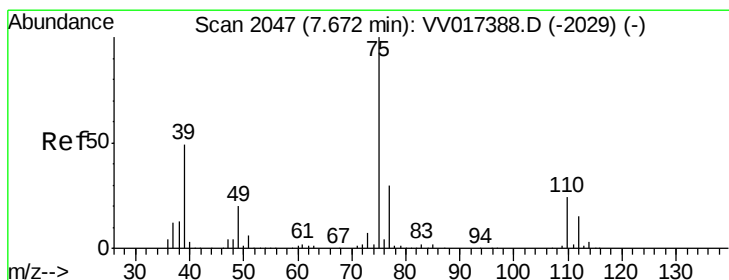
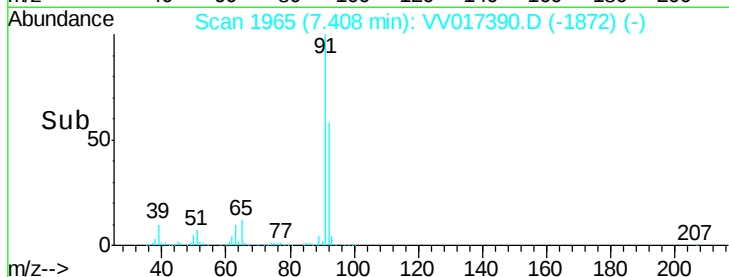
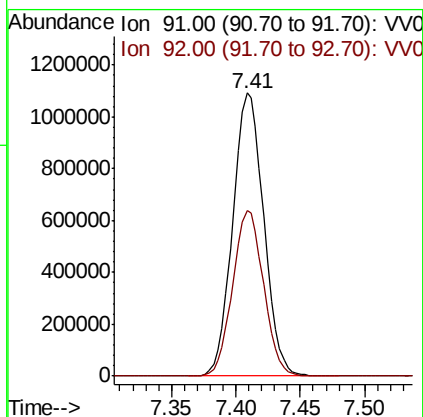
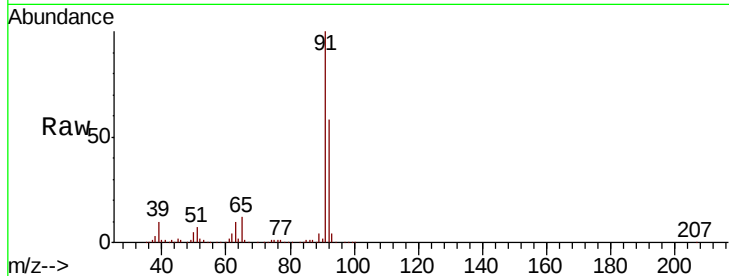
VSTD20062

Tot Ion: 91 Resp: 1825582

Ion Ratio Lower Upper

91 100

92 58.4 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 217.064 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017390.D

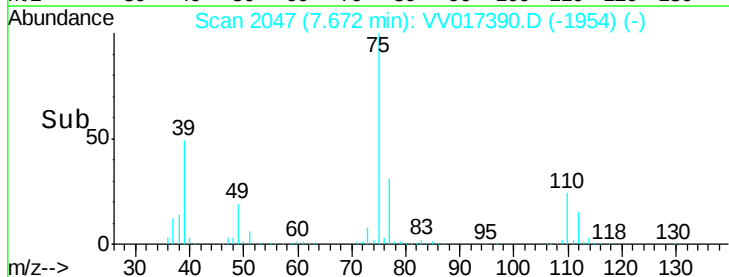
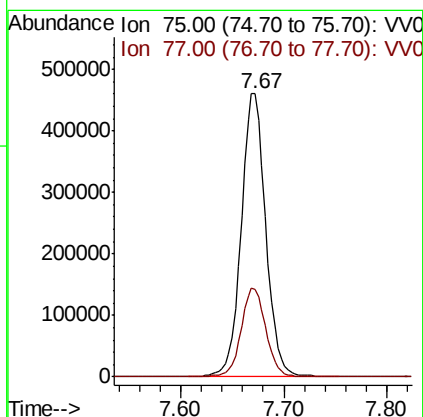
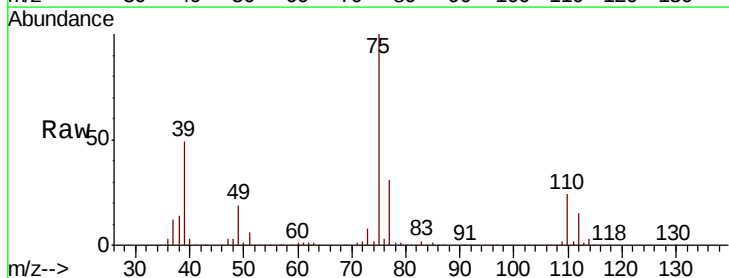
Acq: 08 Jul 2020 11:34

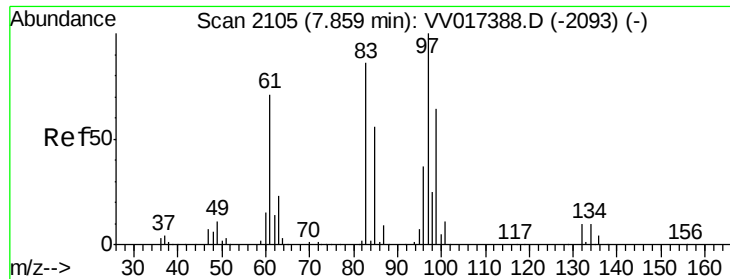
Tgt Ion: 75 Resp: 759973

Ion Ratio Lower Upper

75 100

77 31.1 21.3 39.5

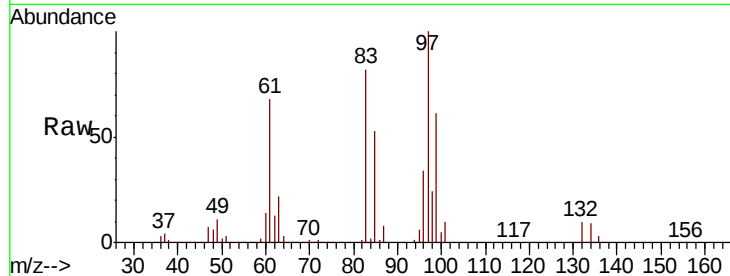




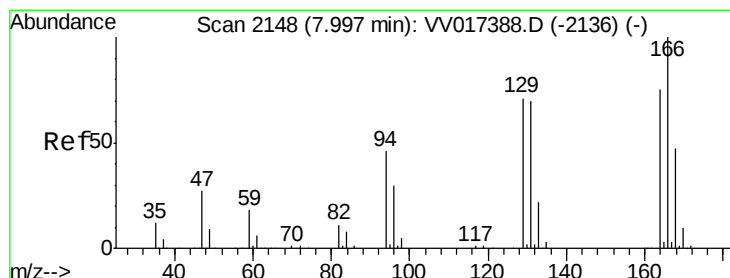
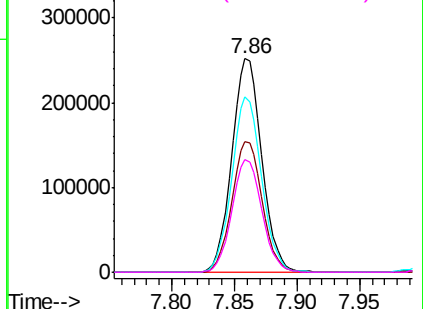
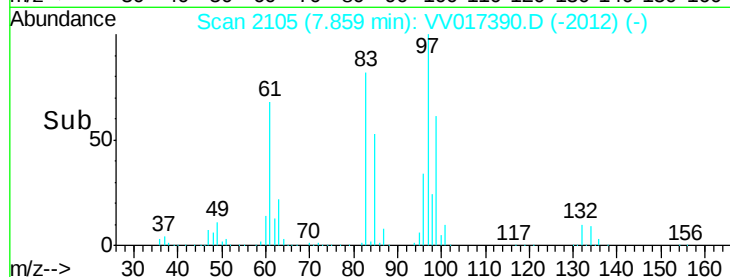
#45
 1,1,2-Trichloroethane
 Concen: 188.048 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV017390.D
 Acq: 08 Jul 2020 11:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

Tot Ion:	97	Resp:	416465
Ion	Ratio	Lower	Upper
97	100		
99	61.4	44.6	82.8
83	82.0	60.1	111.7
85	52.6	39.0	72.4

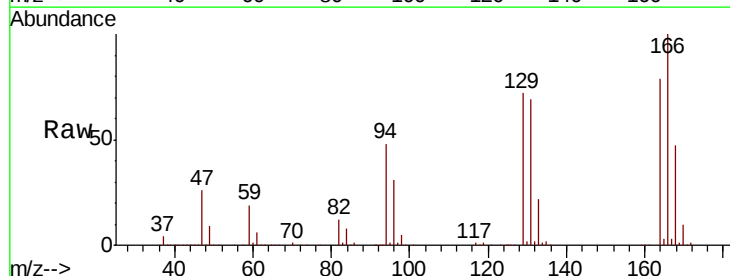


Abundance Ion 97.00 (96.70 to 97.70): VV017390.D (-2012) (-)
 Ion 99.00 (98.70 to 99.70): VV017390.D (-2012) (-)
 Ion 83.00 (82.70 to 83.70): VV017390.D (-2012) (-)
 Ion 85.00 (84.70 to 85.70): VV017390.D (-2012) (-)

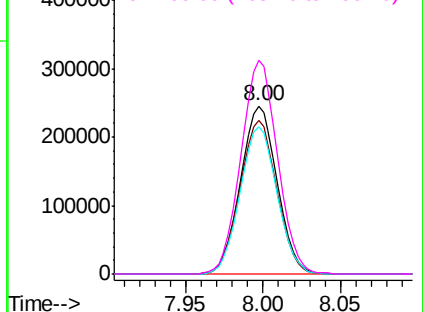
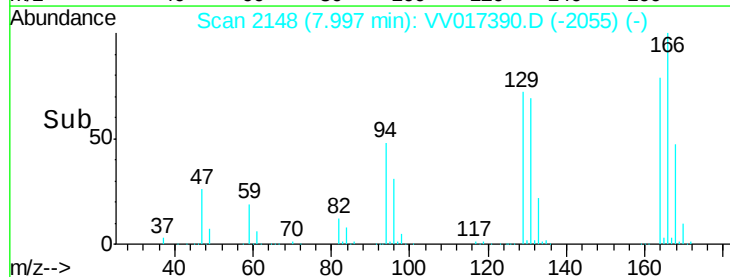


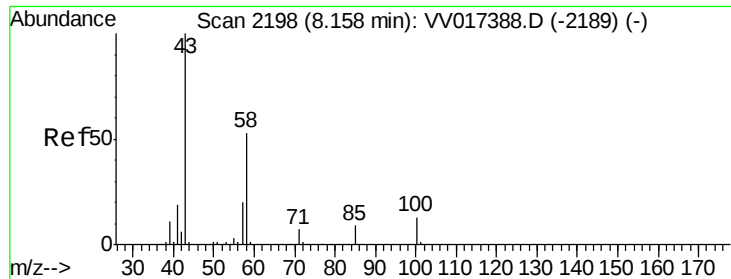
#46
 Tetrachloroethene
 Concen: 211.611 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017390.D
 Acq: 08 Jul 2020 11:34

Tgt Ion:	164	Resp:	403459
Ion	Ratio	Lower	Upper
164	100		
129	91.7	66.6	123.8
131	87.7	65.5	121.7
166	127.3	93.9	174.5



Abundance Ion 164.00 (163.70 to 164.70): VV017390.D (-2055) (-)
 Ion 129.00 (128.70 to 129.70): VV017390.D (-2055) (-)
 Ion 131.00 (130.70 to 131.70): VV017390.D (-2055) (-)
 Ion 166.00 (165.70 to 166.70): VV017390.D (-2055) (-)

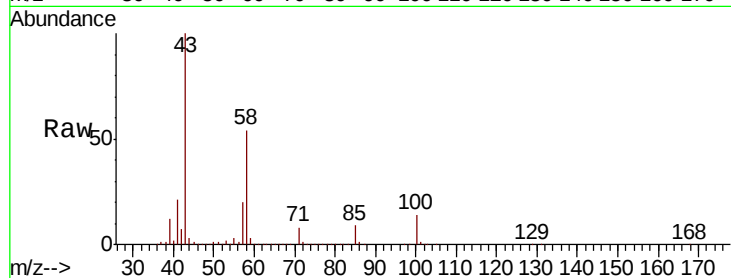




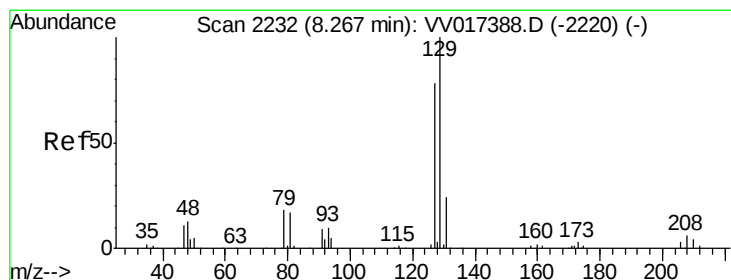
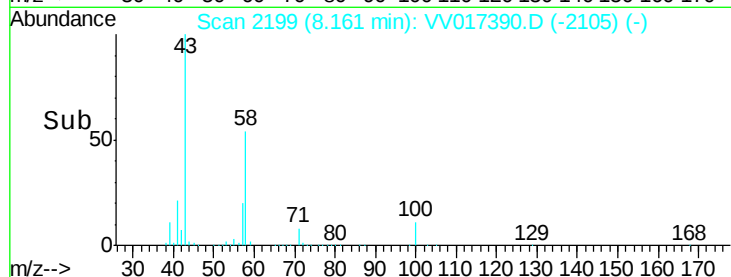
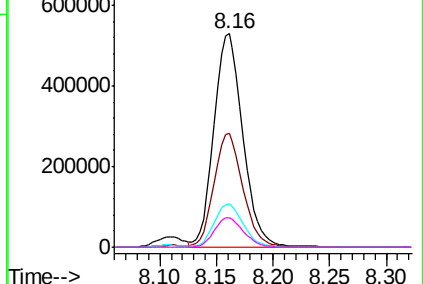
#48
2-Hexanone
Concen: 377.333 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV017390.D
Acq: 08 Jul 2020 11:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

Tot Ion:	43	Resp:	938127
Ion	Ratio	Lower	Upper
43	100		
58	53.3	42.6	64.0
57	20.3	16.2	24.4
100	14.0	10.9	16.3

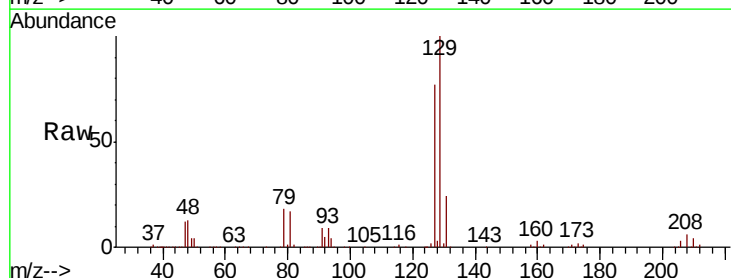


Abundance Ion 43.00 (42.70 to 43.70): VV017388.D (-2189) (-)
Ion 58.00 (57.70 to 58.70): VV017388.D (-2189) (-)
Ion 57.00 (56.70 to 57.70): VV017388.D (-2189) (-)
Ion 100.00 (99.70 to 100.70): VV017388.D (-2189) (-)

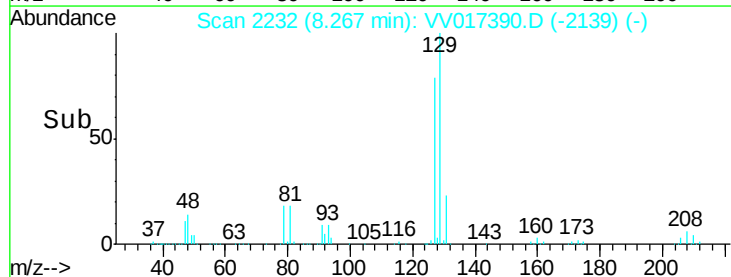
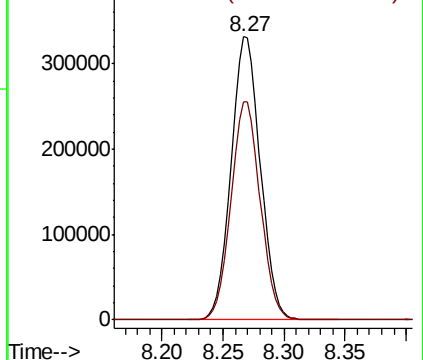


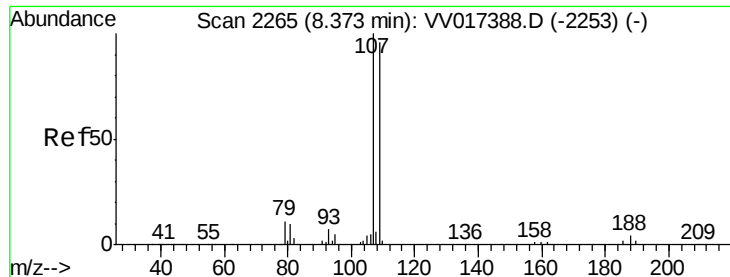
#49
Dibromochloromethane
Concen: 226.505 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017390.D
Acq: 08 Jul 2020 11:34

Tgt Ion:	129	Resp:	553319
Ion	Ratio	Lower	Upper
129	100		
127	77.3	54.6	101.4



Abundance Ion 129.00 (128.70 to 129.70): VV017388.D (-2220) (-)
Ion 127.00 (126.70 to 127.70): VV017388.D (-2220) (-)

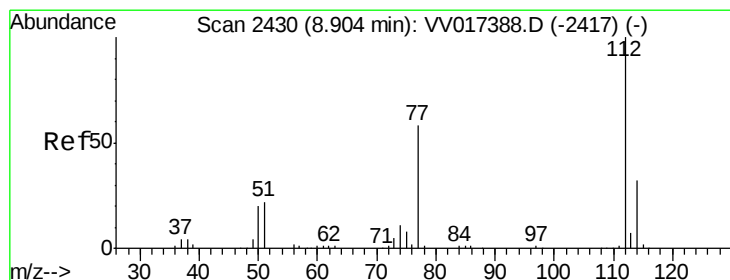
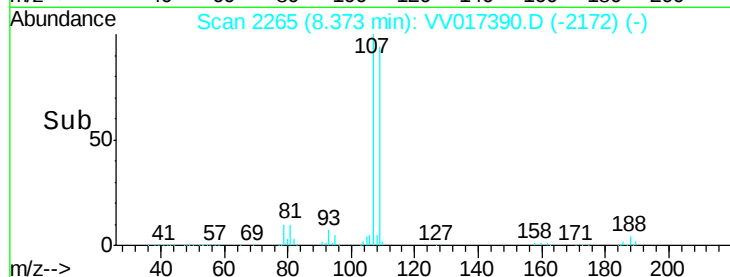
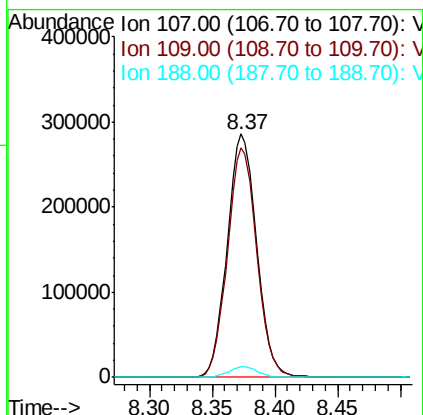
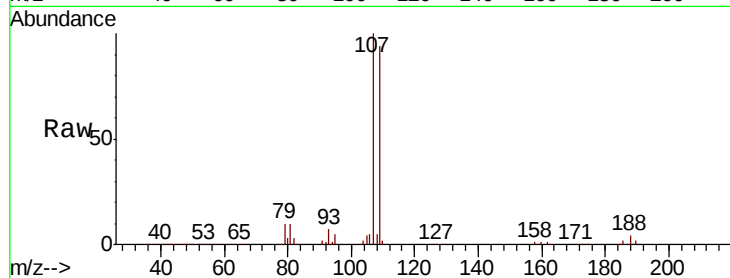




#50
1,2-Dibromoethane
Concen: 198.882 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV017390.D
Acq: 08 Jul 2020 11:34

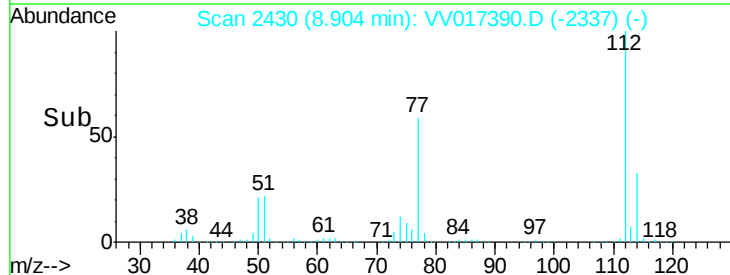
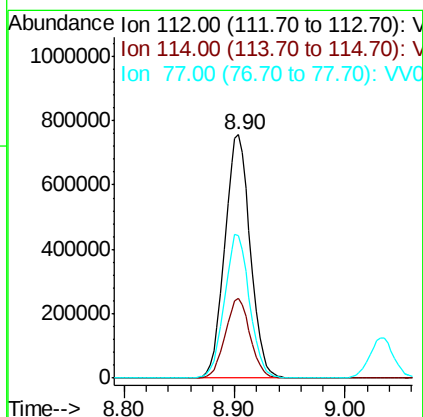
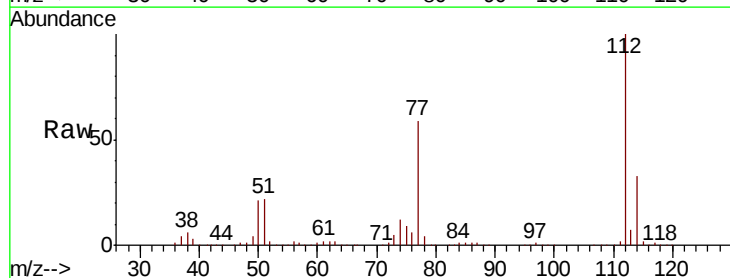
Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

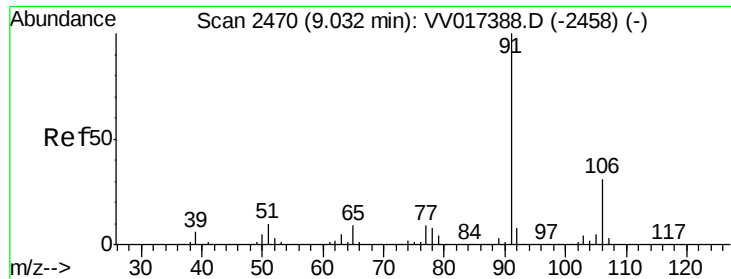
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	67.3	125.1
188	4.4	3.5	5.3



#51
Chlorobenzene
Concen: 197.151 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017390.D
Acq: 08 Jul 2020 11:34

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.7	42.1
77	58.8	46.7	70.1

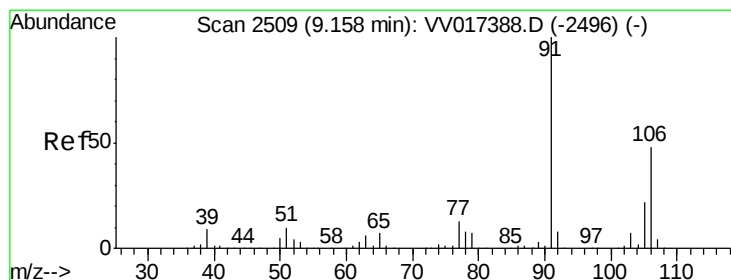
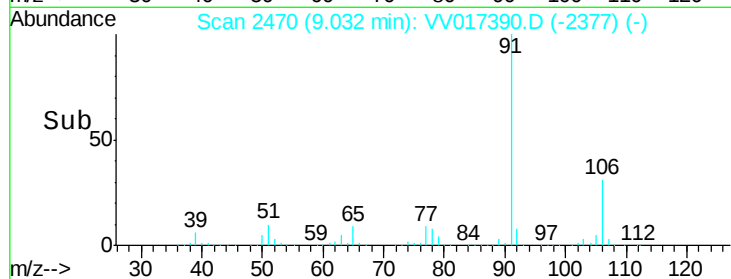
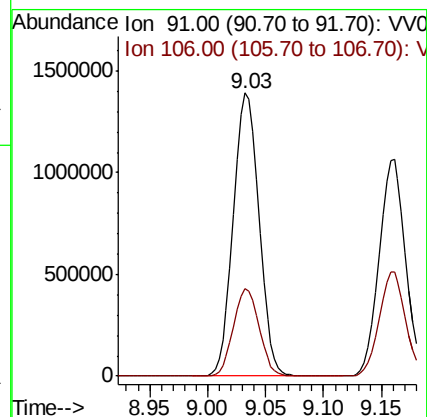
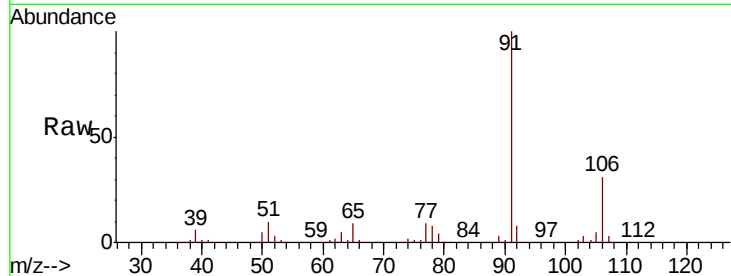




#52
Ethylbenzene
Concen: 205.050 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV017390.D
Acq: 08 Jul 2020 11:34

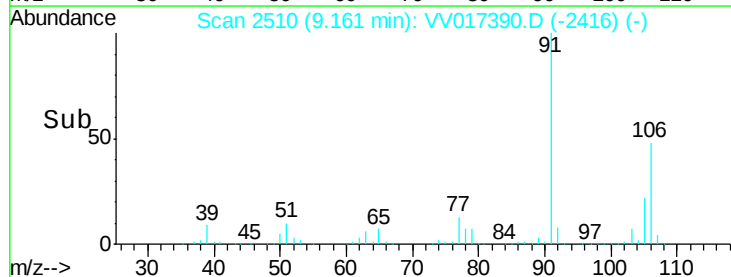
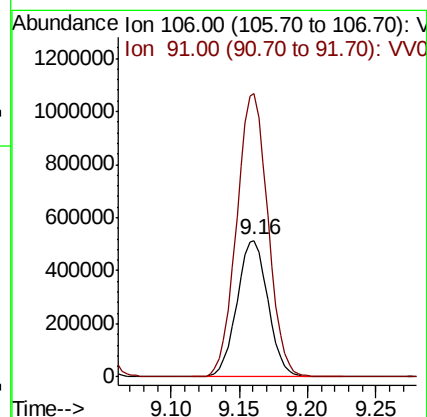
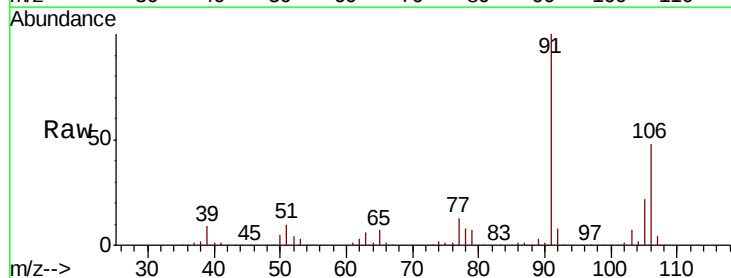
Instrument :
MSVOA_V
ClientSampled :
VSTD20062

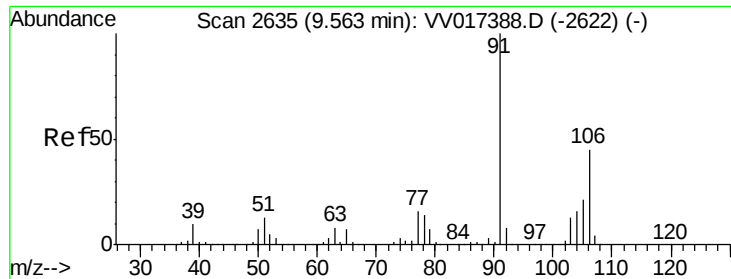
Tot Ion: 91 Resp: 2129938
Ion Ratio Lower Upper
91 100
106 30.8 21.8 40.6



#53
m,p-Xylene
Concen: 209.307 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV017390.D
Acq: 08 Jul 2020 11:34

Tgt Ion: 106 Resp: 811686
Ion Ratio Lower Upper
106 100
91 207.8 146.4 271.8





#54

o-xylene

Concen: 203.170 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

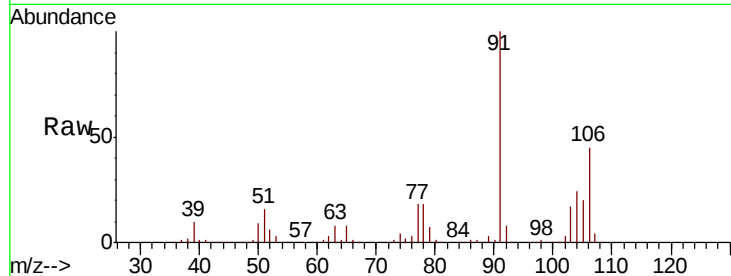
VSTD20062

Tot Ion:106 Resp: 776415

Ion Ratio Lower Upper

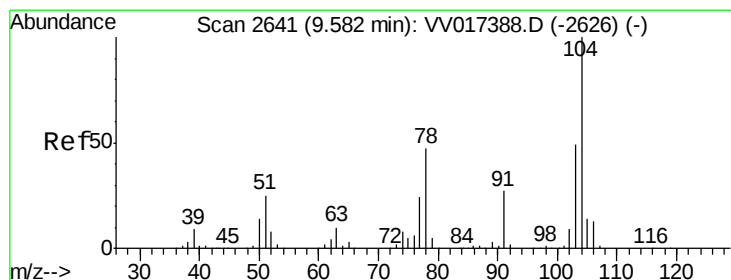
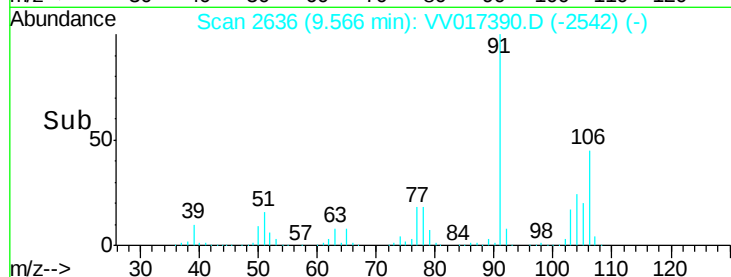
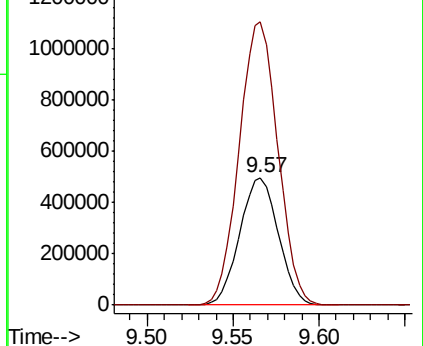
106 100

91 222.4 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 211.930 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV017390.D

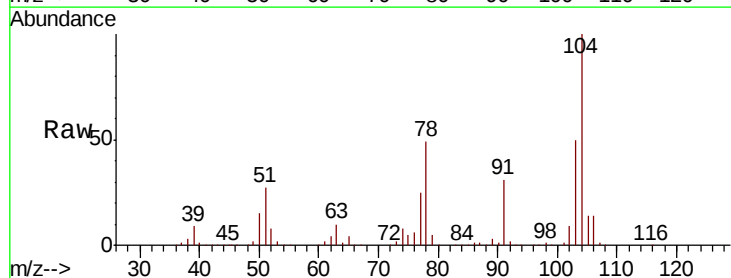
Acq: 08 Jul 2020 11:34

Tgt Ion:104 Resp: 1372956

Ion Ratio Lower Upper

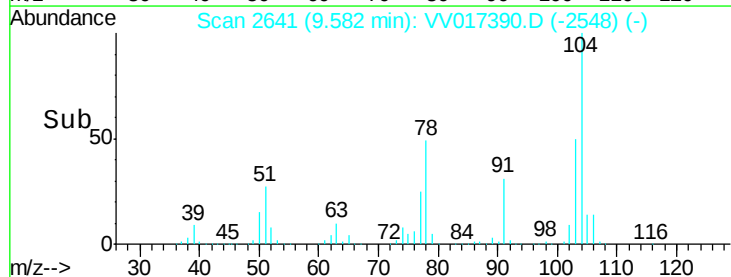
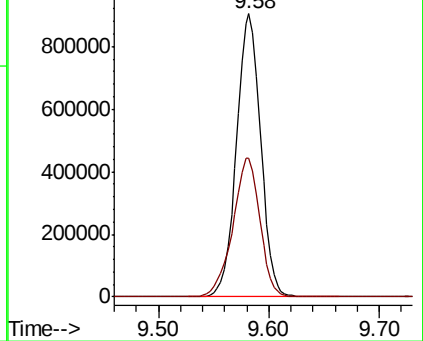
104 100

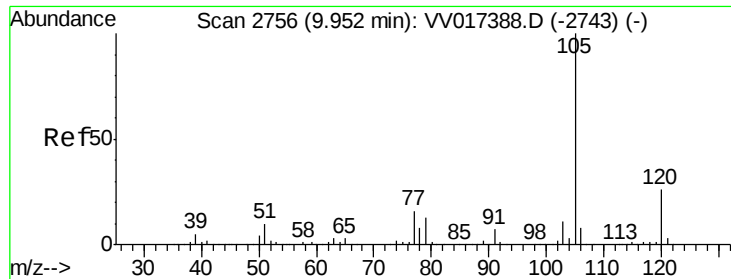
78 49.0 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 211.990 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

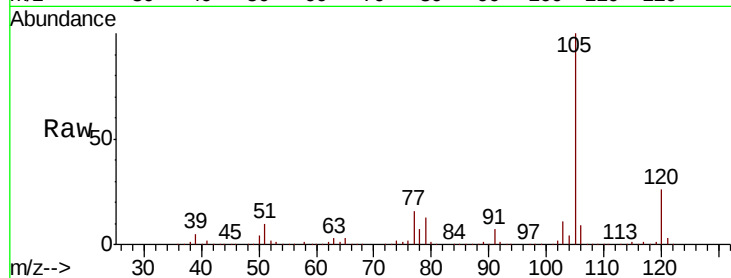
Tot Ion:105 Resp: 2184900

Ion Ratio Lower Upper

105 100

120 26.3 21.1 31.7

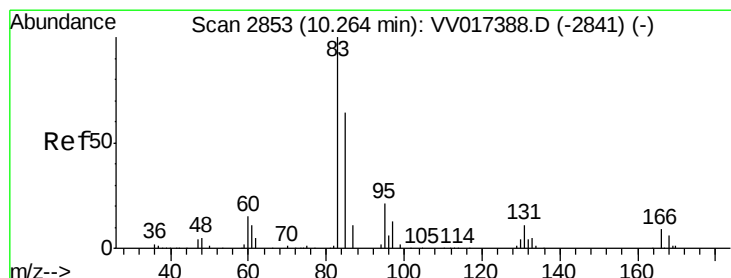
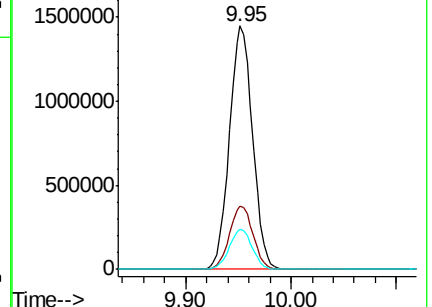
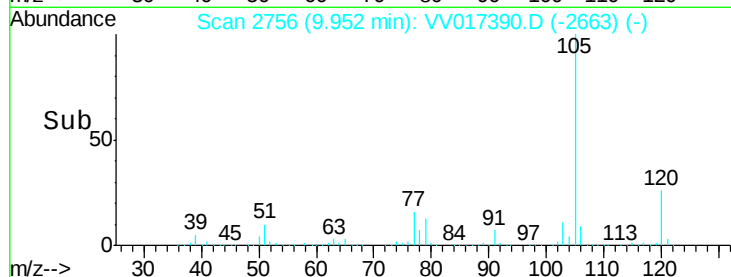
77 16.4 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): VV017388.D (-2743) (-)

Ion 120.00 (119.70 to 120.70): VV017388.D (-2743) (-)

Ion 77.00 (76.70 to 77.70): VV017388.D (-2743) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 186.897 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

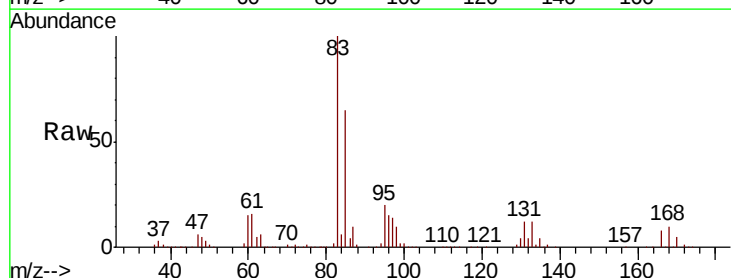
Tgt Ion: 83 Resp: 630230

Ion Ratio Lower Upper

83 100

85 65.0 44.9 83.5

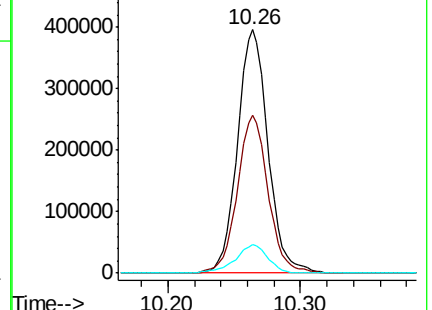
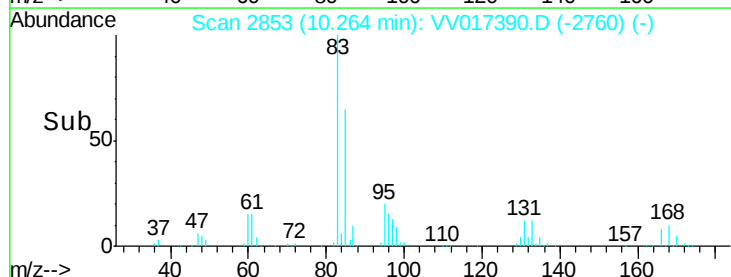
131 11.6 9.4 14.2

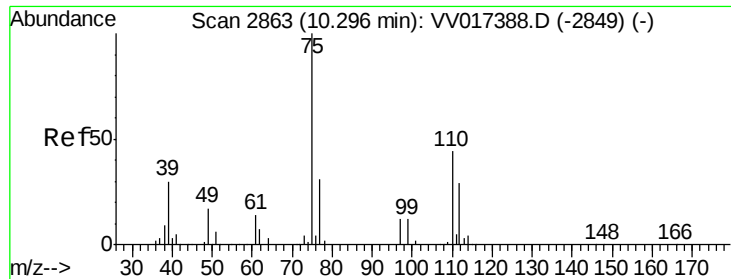


Abundance Ion 83.00 (82.70 to 83.70): VV017388.D (-2841) (-)

Ion 85.00 (84.70 to 85.70): VV017388.D (-2841) (-)

Ion 131.00 (130.70 to 131.70): VV017388.D (-2841) (-)





#59

1,2,3-Trichloropropane

Concen: 190.344 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

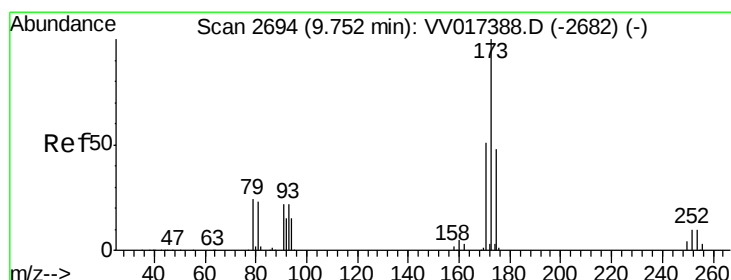
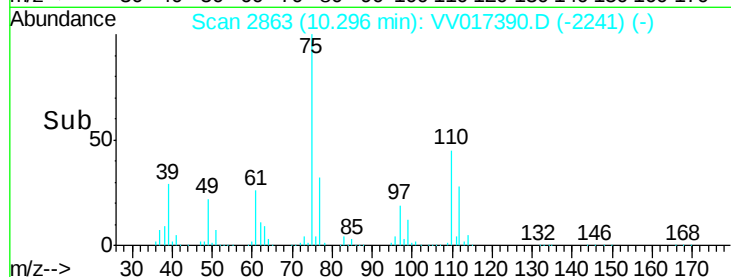
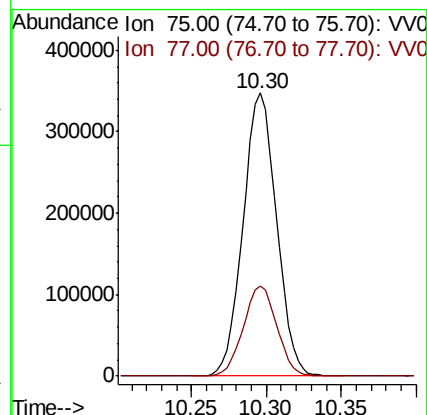
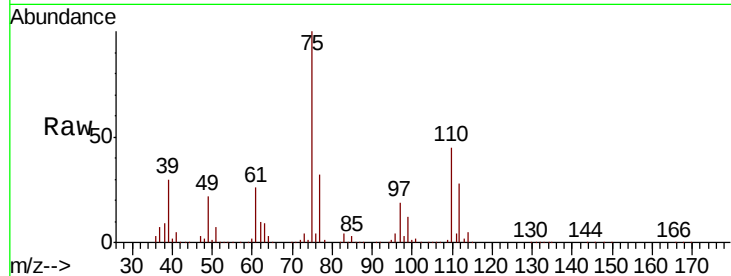
VSTD20062

Tot Ion: 75 Resp: 541927

Ion Ratio Lower Upper

75 100

77 31.8 26.5 39.7



#61

Bromoform

Concen: 232.133 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

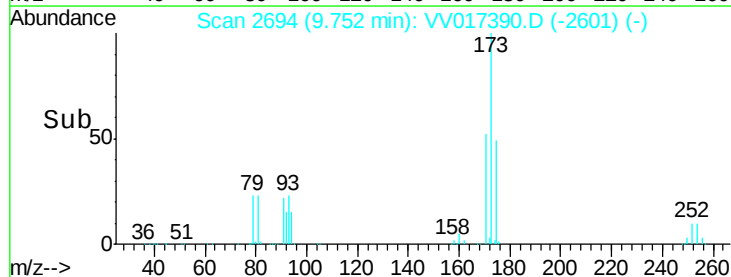
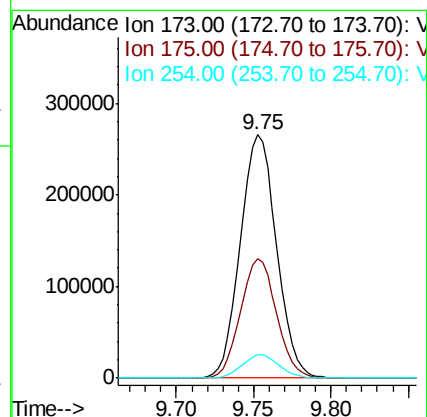
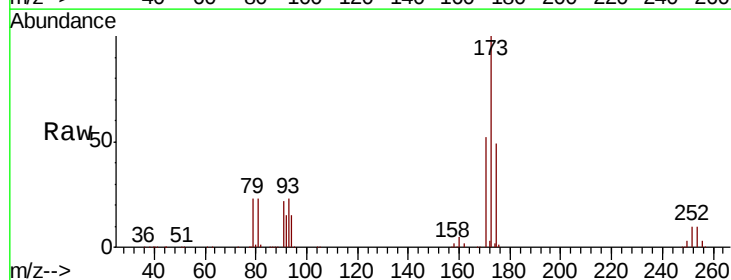
Tgt Ion: 173 Resp: 431598

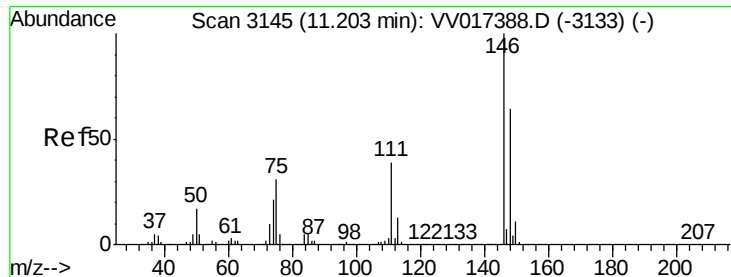
Ion Ratio Lower Upper

173 100

175 48.7 38.1 57.1

254 9.7 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 192.595 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

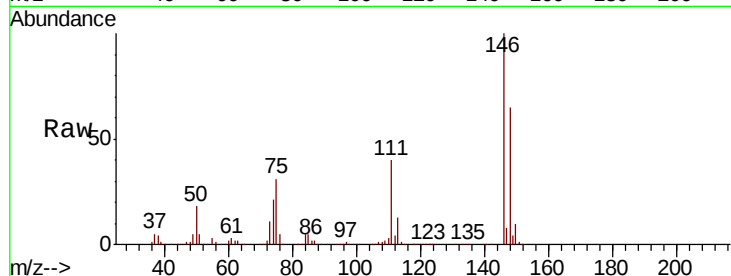
Tot Ion:146 Resp: 1069579

Ion Ratio Lower Upper

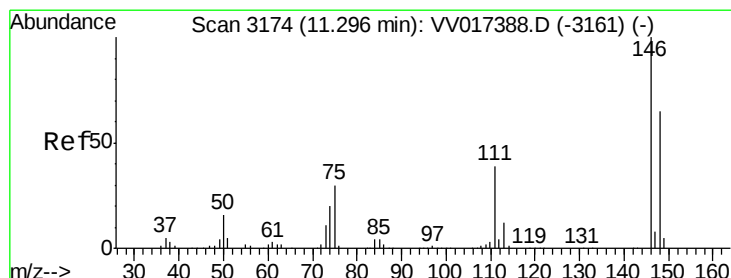
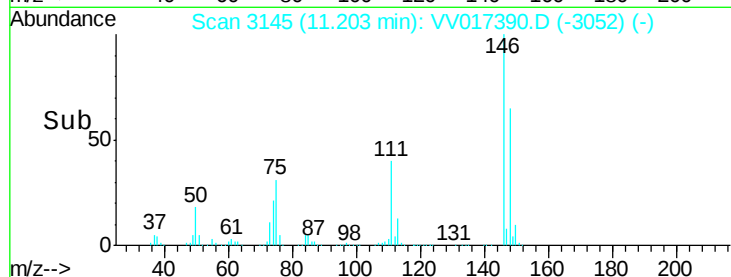
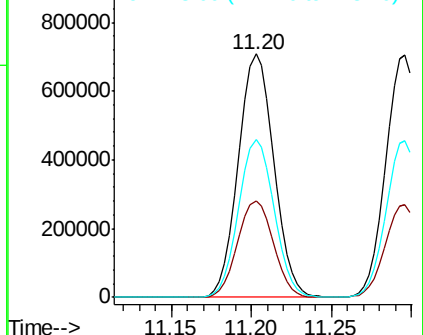
146 100

111 39.7 27.2 50.6

148 64.8 44.7 82.9



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



#63

1,4-Dichlorobenzene

Concen: 191.787 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

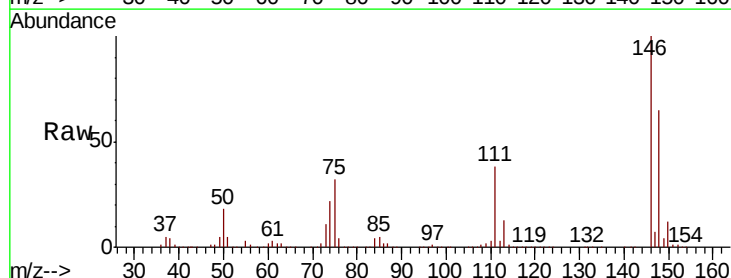
Tgt Ion:146 Resp: 1079795

Ion Ratio Lower Upper

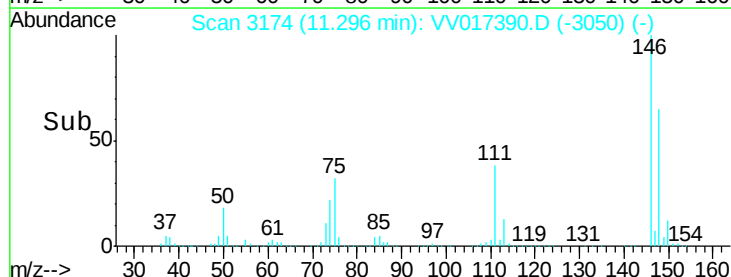
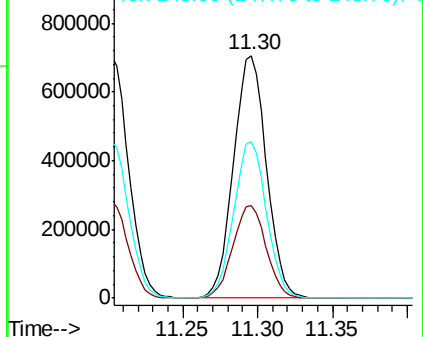
146 100

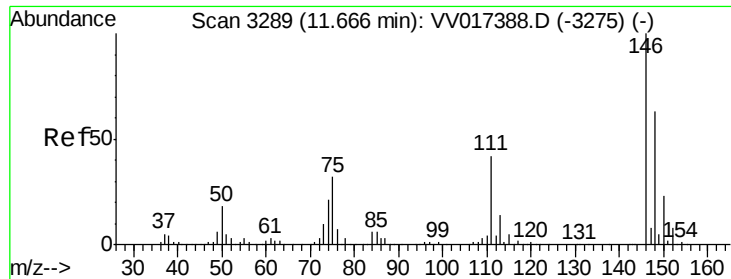
111 38.0 27.2 50.4

148 64.7 45.4 84.4



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





#65

1,2-Dichlorobenzene

Concen: 189.653 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

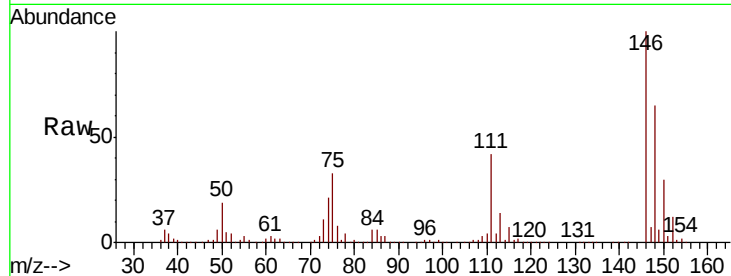
Tot Ion:146 Resp: 1050021

Ion Ratio Lower Upper

146 100

111 42.2 33.5 50.3

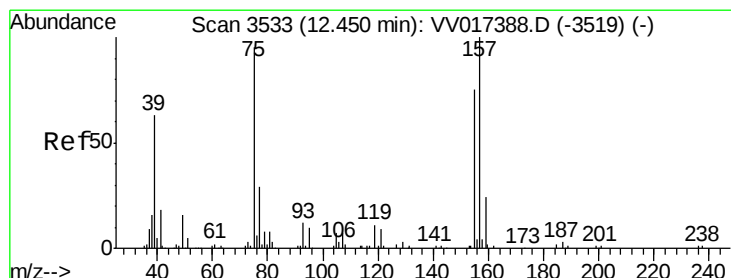
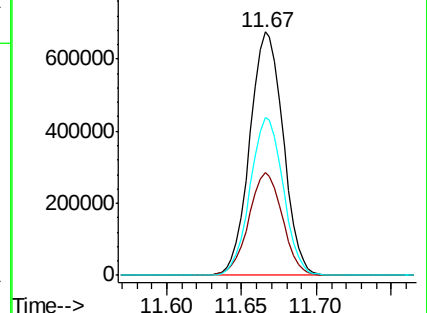
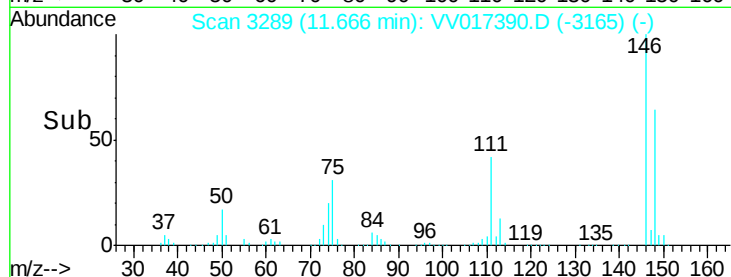
148 64.6 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 212.340 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

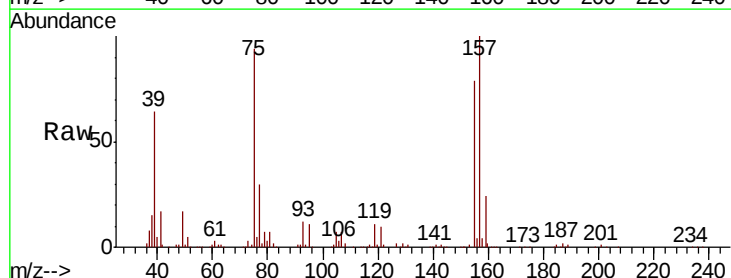
Tgt Ion: 75 Resp: 187021

Ion Ratio Lower Upper

75 100

155 83.7 63.4 95.2

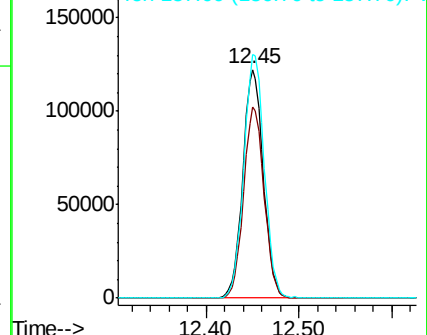
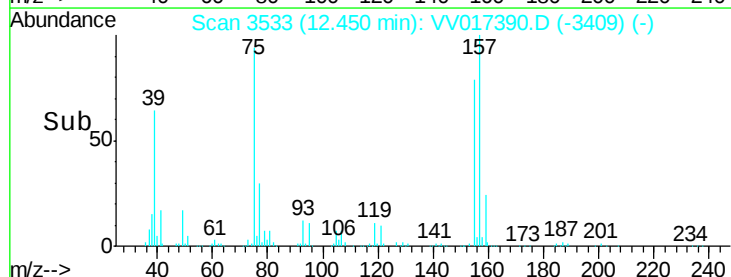
157 106.4 84.5 126.7

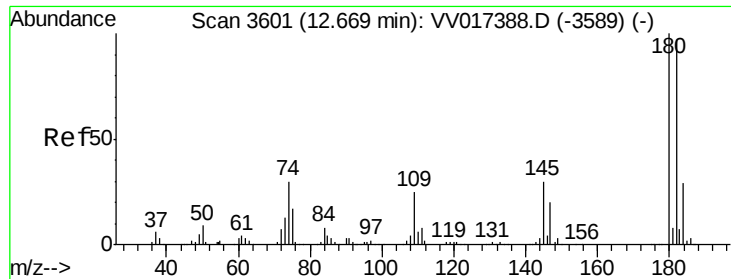


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

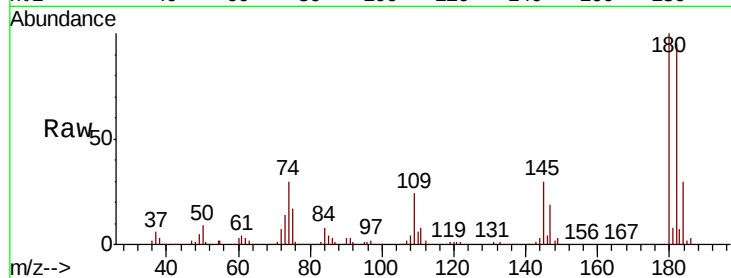




#67
 1,3,5-Trichlorobenzene
 Concen: 201.718 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017390.D
 Acq: 08 Jul 2020 11:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.0	115.4
184	30.4	24.0	36.0
145	30.0	23.8	35.8



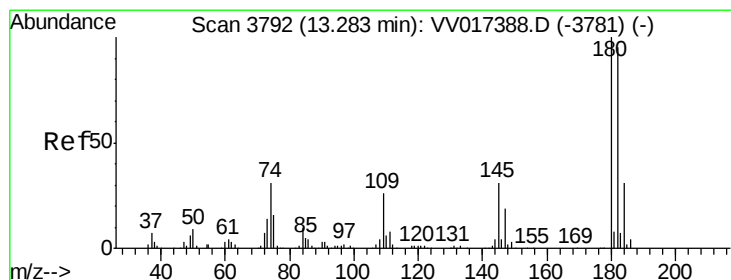
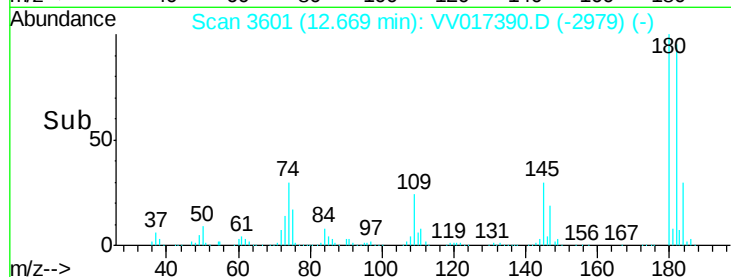
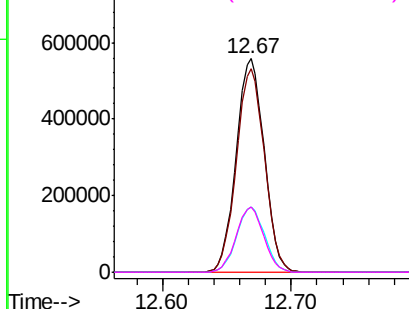
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

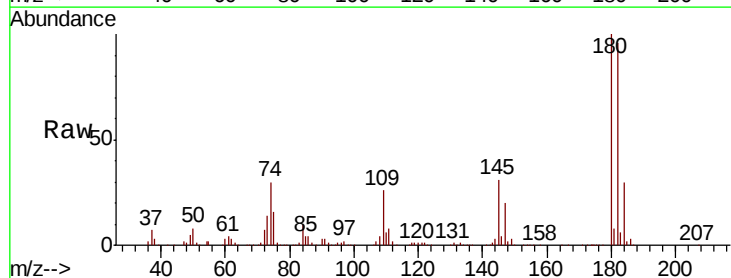
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 206.145 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017390.D
 Acq: 08 Jul 2020 11:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.0	114.0
145	31.2	24.6	36.8

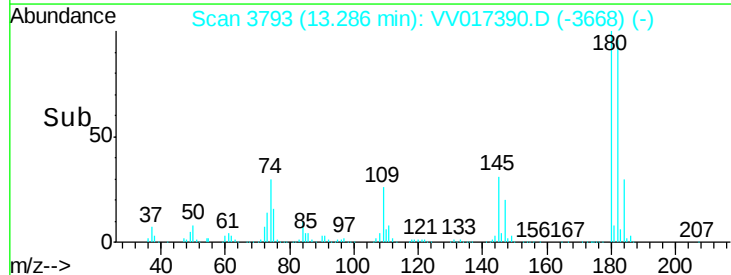
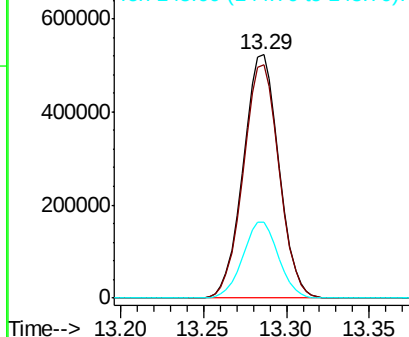


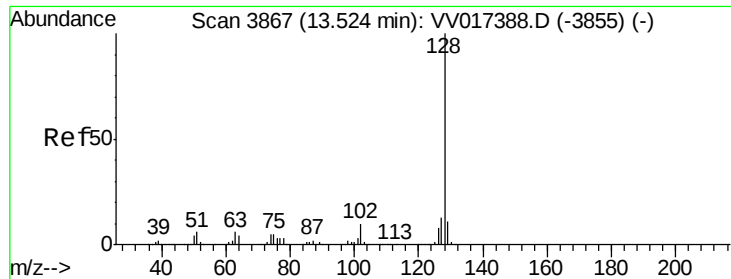
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 212.958 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

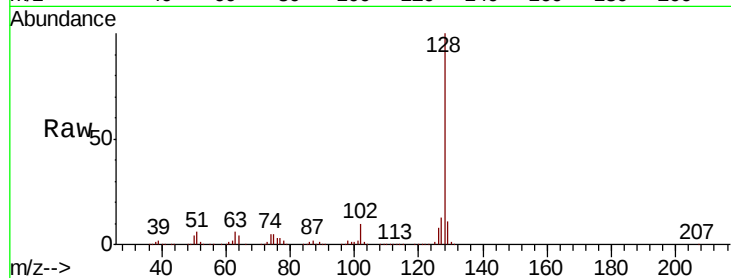
Tot Ion:128 Resp: 2309324

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

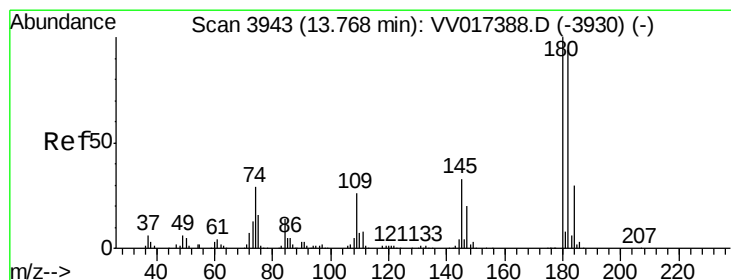
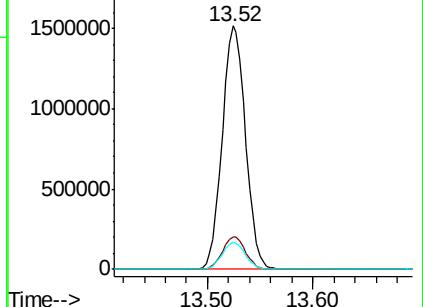
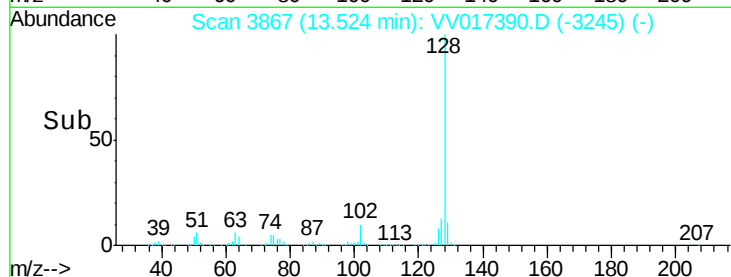
129 11.0 8.6 12.8



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: 208.415 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017390.D

Acq: 08 Jul 2020 11:34

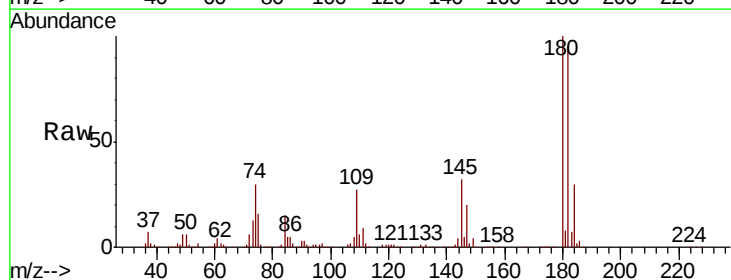
Tgt Ion:180 Resp: 780732

Ion Ratio Lower Upper

180 100

182 95.0 76.3 114.5

145 32.3 26.5 39.7



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

