

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090920\
 Data File : VV018163.D
 Acq On : 09 Sep 2020 10:59
 Operator : SY/MD
 Sample : VSTD05066
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

Quant Time: Sep 10 02:09:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 10 02:02:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	302936	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	295354	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	159710	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	126946	53.80	ug/L	0.00
7) Chloroethane-d5	1.58	69	103900	53.81	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	233157	52.08	ug/L	0.00
21) 2-Butanone-d5	3.91	46	160173	105.71	ug/L	0.00
24) Chloroform-d	4.38	84	219212	51.71	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	140015	51.12	ug/L	0.00
32) Benzene-d6	5.08	84	439300	53.52	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	137926	51.87	ug/L	0.00
41) Toluene-d8	7.34	98	407283	54.86	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	71000	57.58	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	112695	126.80	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	176224	51.05	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	167412	52.47	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	116580	49.587	ug/L 100
3) Chloromethane	1.25	50	126221	47.002	ug/L 100
5) Vinyl chloride	1.32	62	127748	47.905	ug/L 100
6) Bromomethane	1.53	94	78609	48.921	ug/L 100
8) Chloroethane	1.60	64	80914	47.531	ug/L 100
9) Trichlorofluoromethane	1.77	101	178787	47.043	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	107979	50.111	ug/L 100
12) 1,1-Dichloroethene	2.14	96	103540	50.709	ug/L 100
13) Acetone	2.20	43	127020	85.104	ug/L 100
14) Carbon disulfide	2.31	76	318313	55.381	ug/L 100
15) Methyl Acetate	2.45	43	113012	45.918	ug/L 100
16) Methylene chloride	2.53	84	113659	44.701	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	107098	50.993	ug/L 100
18) Methyl tert-butyl Ether	2.79	73	331350	48.546	ug/L 100
19) 1,1-Dichloroethane	3.21	63	202967	48.657	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	114190	49.936	ug/L 100
22) 2-Butanone	4.00	43	159691	94.540	ug/L 100
23) Bromochloromethane	4.28	128	60904	50.812	ug/L 100
25) Chloroform	4.40	83	206270	48.490	ug/L 100
27) 1,2-Dichloroethane	5.16	62	161755	48.091	ug/L 100
29) Cyclohexane	4.71	56	185094	51.838	ug/L 100
30) 1,1,1-Trichloroethane	4.64	97	181214	50.272	ug/L 100
31) Carbon tetrachloride	4.86	117	159886	52.561	ug/L 100
33) Benzene	5.13	78	449207	49.672	ug/L 100
34) Trichloroethene	5.94	95	118891	49.385	ug/L 100
35) Methylcyclohexane	6.16	83	187524	51.881	ug/L 100
37) 1,2-Dichloropropane	6.20	63	118506	48.317	ug/L 100
38) Bromodichloromethane	6.53	83	154298	50.223	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	185555	52.674	ug/L 100
40) 4-Methyl-2-pentanone	7.25	43	298711	94.749	ug/L 100

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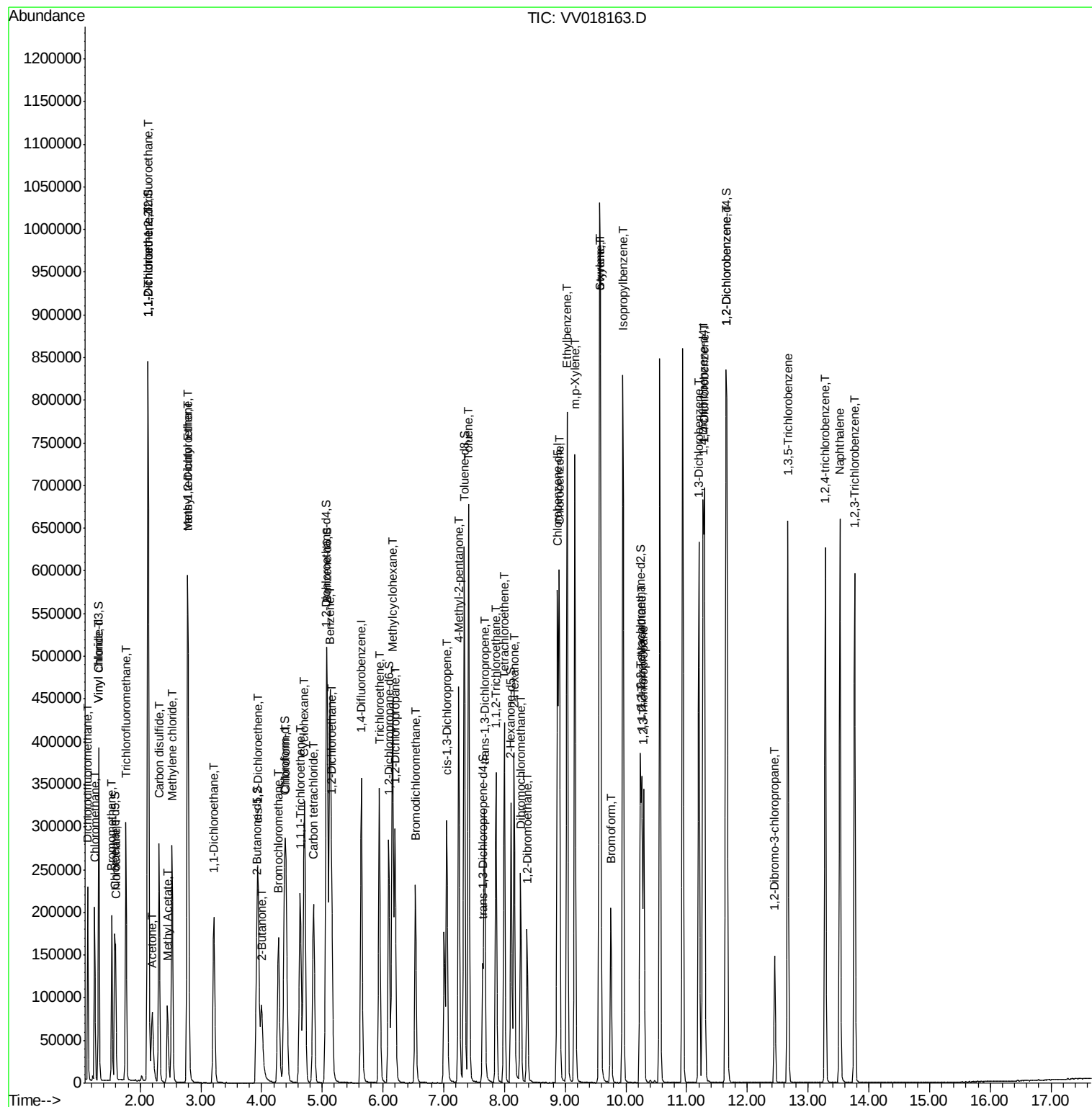
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	481501	50.790	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	181368	54.058	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	110423	48.484	ug/L	100
46) Tetrachloroethene	8.00	164	96113	53.476	ug/L	100
48) 2-Hexanone	8.16	43	238291	94.184	ug/L	100
49) Dibromochloromethane	8.27	129	122597	53.854	ug/L	100
50) 1,2-Dibromoethane	8.37	107	116488	49.223	ug/L	100
51) Chlorobenzene	8.90	112	306042	49.981	ug/L	100
52) Ethylbenzene	9.03	91	529809	51.172	ug/L	100
53) m,p-Xylene	9.16	106	199121	52.175	ug/L	100
54) o-xylene	9.56	106	193026	51.231	ug/L	100
55) Styrene	9.58	104	337237	52.382	ug/L	100
56) Isopropylbenzene	9.95	105	520385	52.186	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	163575	46.635	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	139511	46.475	ug/L	100
61) Bromoform	9.75	173	92337	59.015	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	253840	49.991	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	259123	49.657	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	253805	48.839	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	36376	48.655	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	201582	51.798	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	183960	53.776	ug/L	100
69) Naphthalene	13.52	128	492349	53.444	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	184466	53.346	ug/L	100

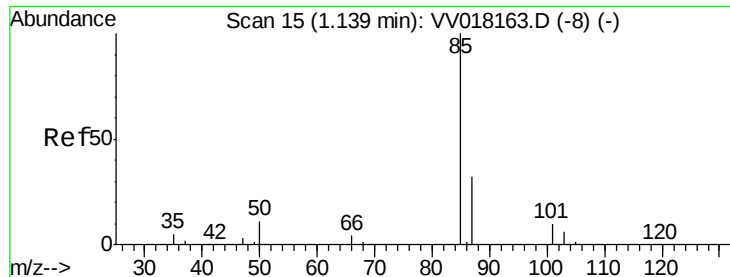
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.587 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

Instrument :

MSVOA_V

ClientSampleId :

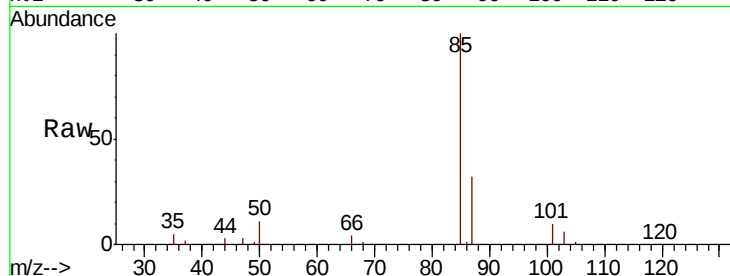
VSTD05066

Tot Ion: 85 Resp: 116580

Ion Ratio Lower Upper

85 100

87 32.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

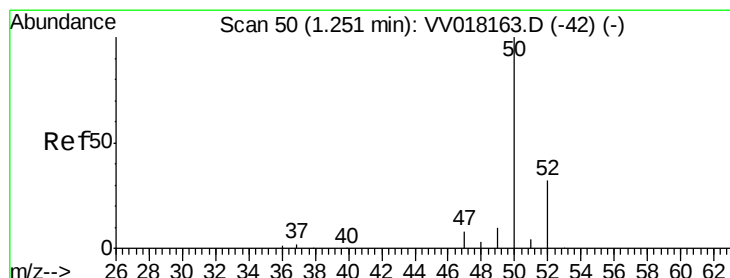
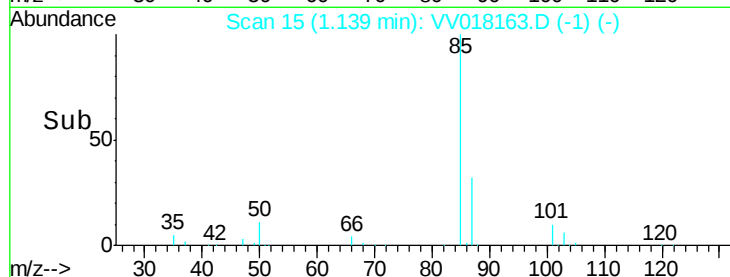
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 47.002 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018163.D

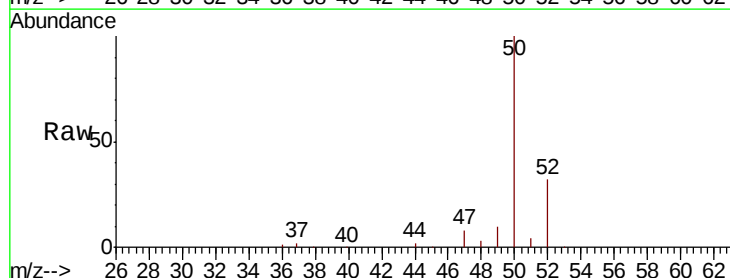
Acq: 09 Sep 2020 10:59

Tgt Ion: 50 Resp: 126221

Ion Ratio Lower Upper

50 100

52 32.5 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

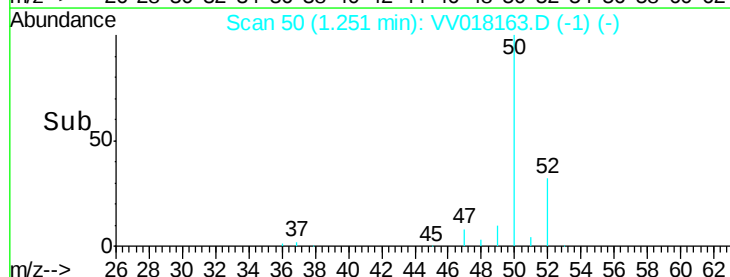
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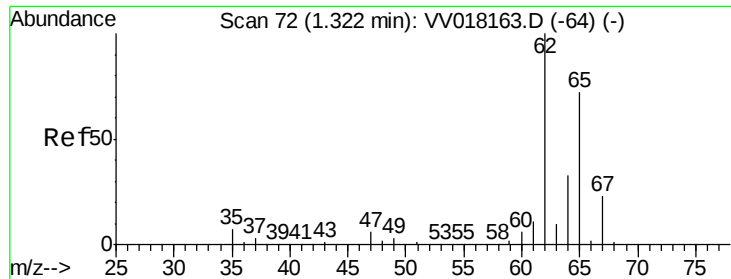
100000

50000

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Time-->





#5

Vinyl chloride

Concen: 47.905 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

Instrument :

MSVOA_V

ClientSampleId :

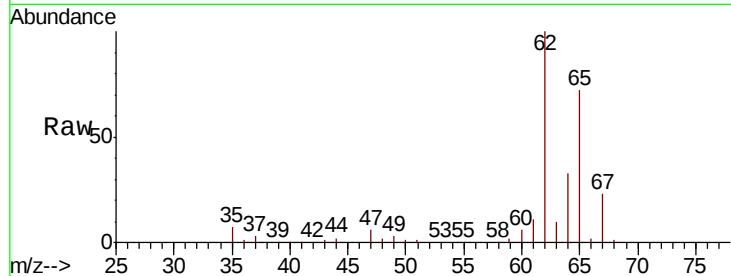
VSTD05066

Tot Ion: 62 Resp: 127748

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV018163.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV018163.D (-64) (-)

1.32

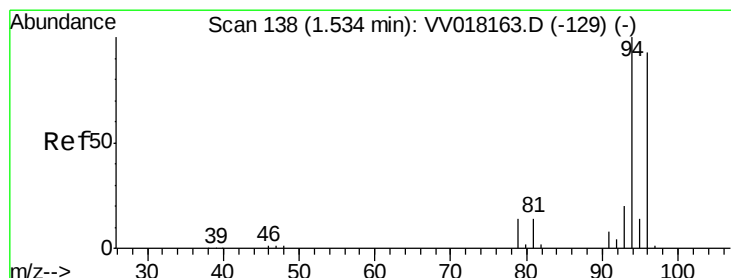
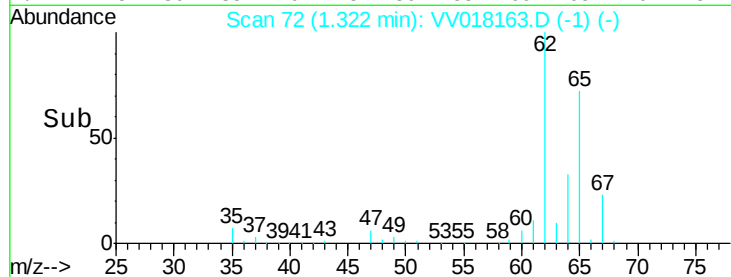
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 48.921 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018163.D

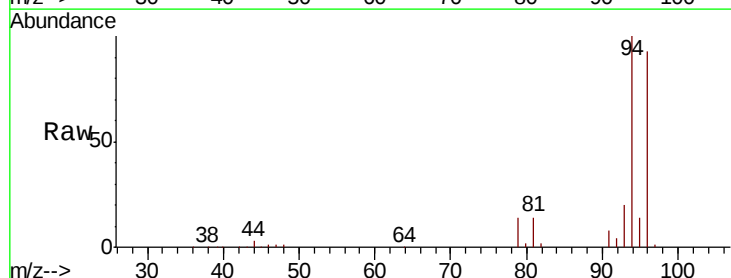
Acq: 09 Sep 2020 10:59

Tgt Ion: 94 Resp: 78609

Ion Ratio Lower Upper

94 100

96 93.0 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV018163.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV018163.D (-129) (-)

1.53

80000

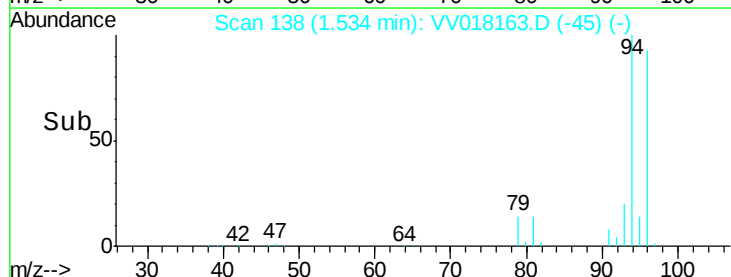
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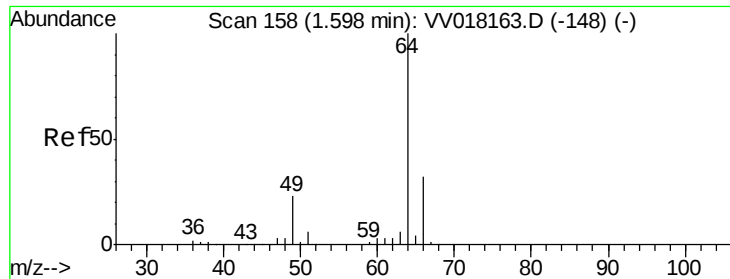
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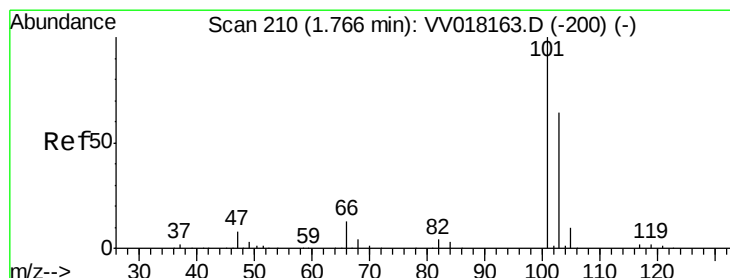
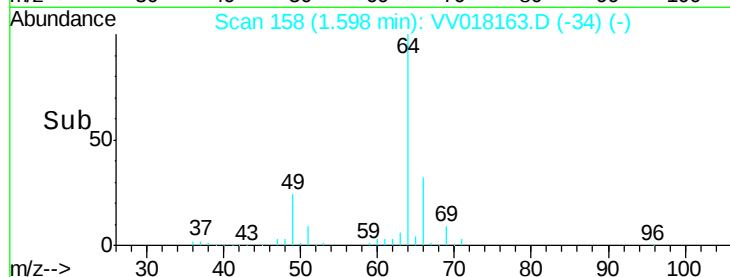
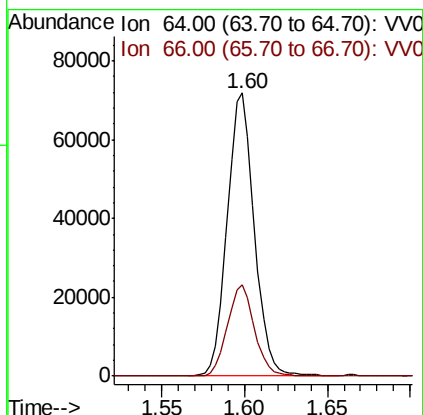
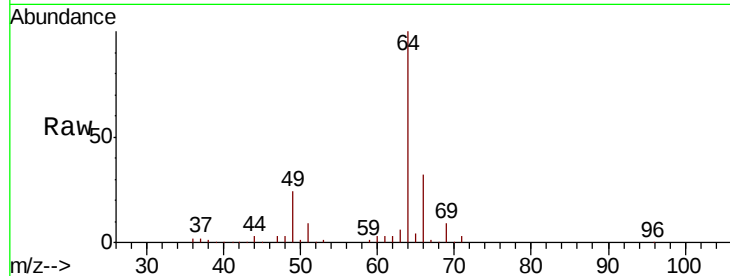




#8
Chloroethane
Concen: 47.531 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV018163.D
Acq: 09 Sep 2020 10:59

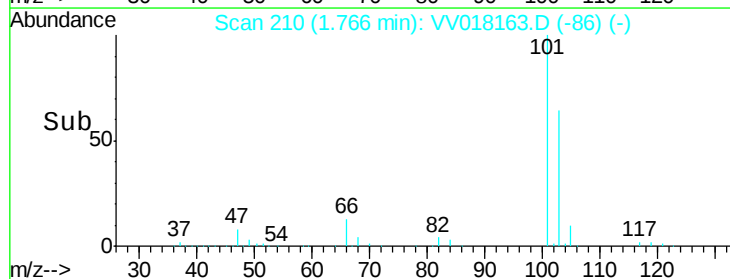
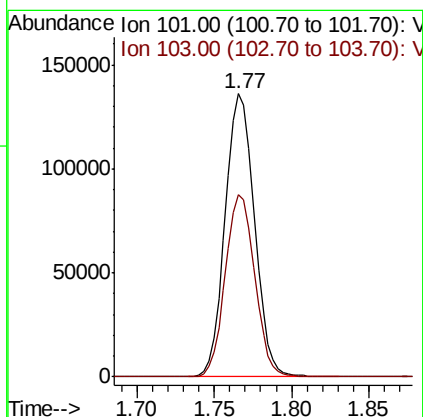
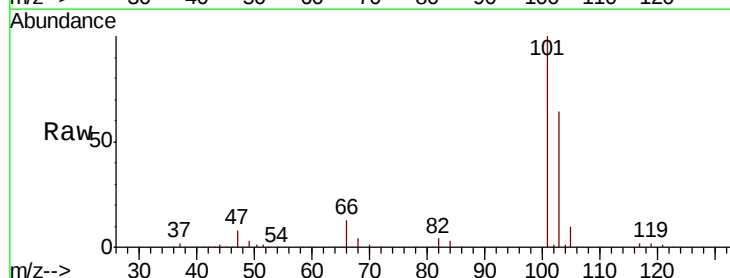
Instrument :
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VSTD05066

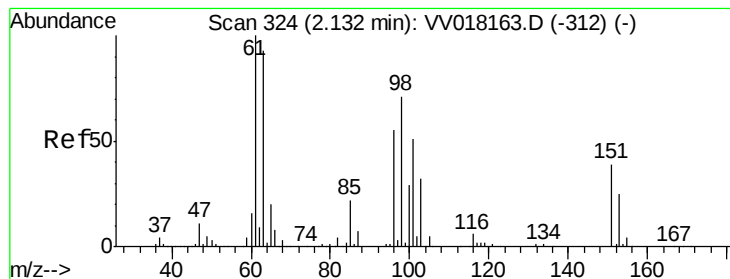
Tot Ion: 64 Resp: 80914
Ion Ratio Lower Upper
64 100
66 32.1 22.5 41.7



#9
Trichlorofluoromethane
Concen: 47.043 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV018163.D
Acq: 09 Sep 2020 10:59

Tgt Ion: 101 Resp: 178787
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.6





#10

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

Concen: 50.111 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

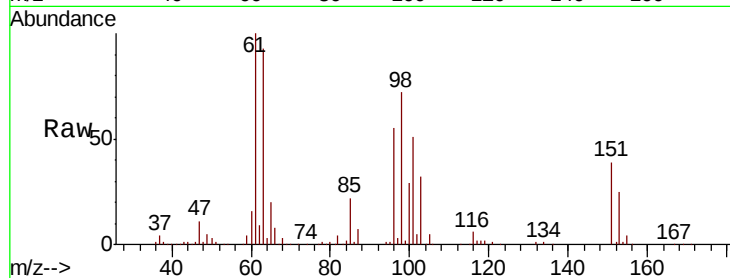
Tot Ion:101 Resp: 107979

Ion Ratio Lower Upper

101 100

85 41.9 33.5 50.3

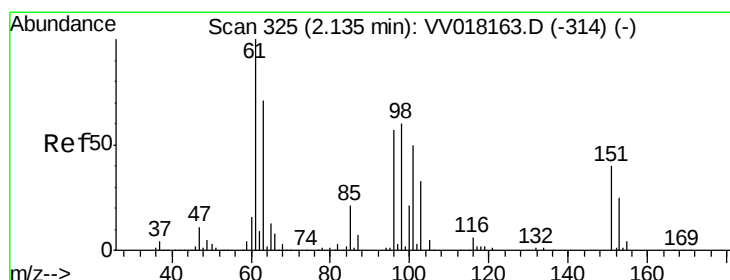
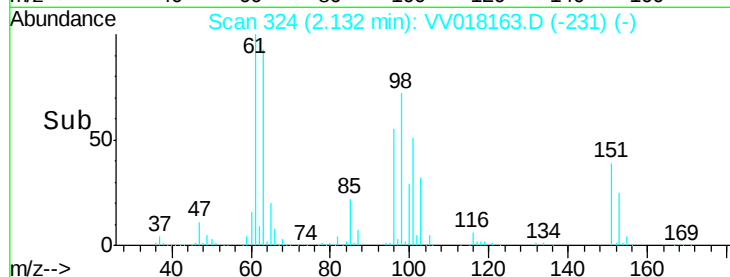
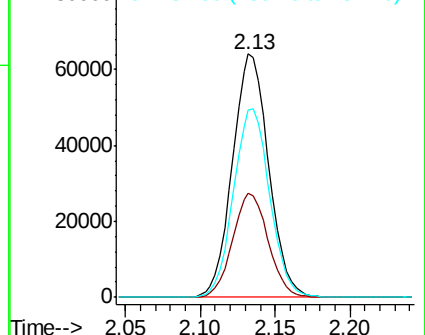
151 77.7 62.2 93.2



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: 50.709 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

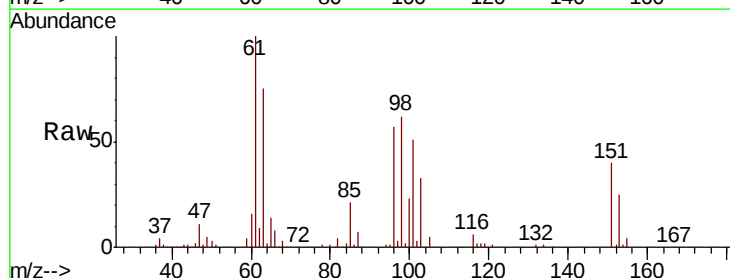
Tgt Ion: 96 Resp: 103540

Ion Ratio Lower Upper

96 100

61 175.6 122.9 228.3

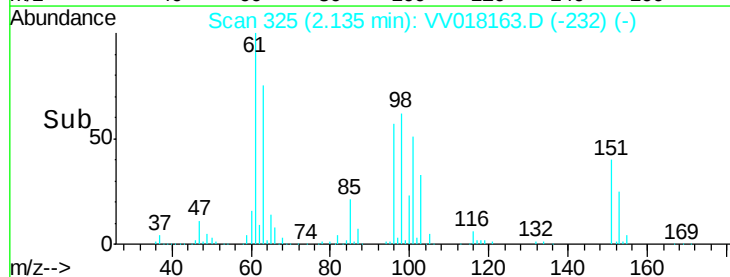
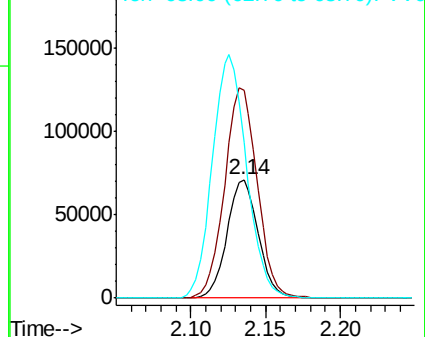
63 131.3 91.9 170.7

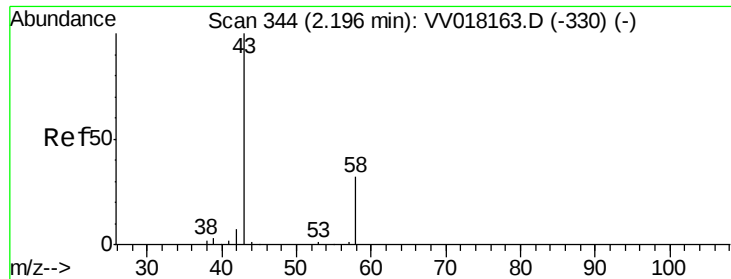


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 85.104 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

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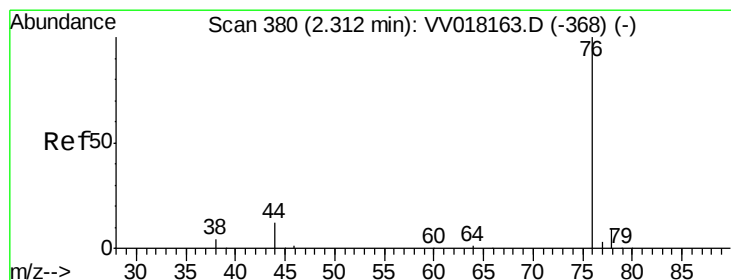
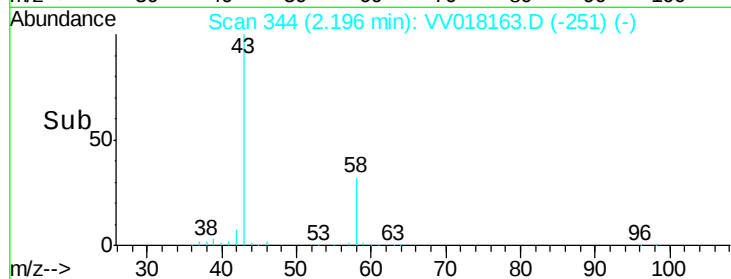
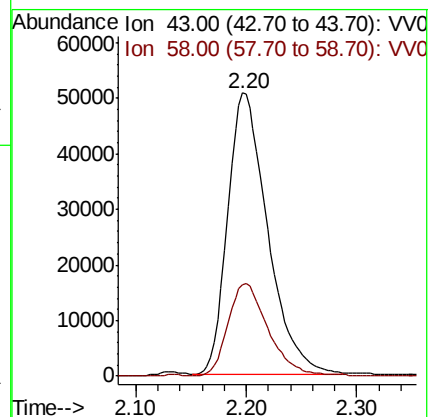
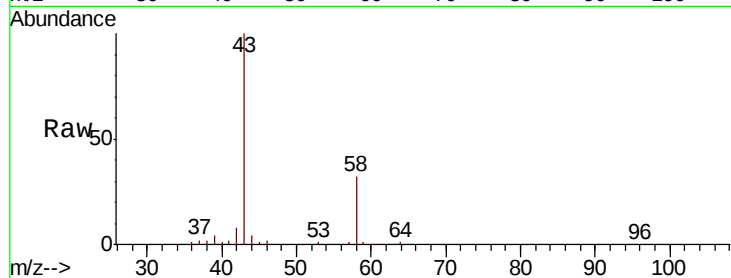
VSTD05066

Tot Ion: 43 Resp: 127020

Ion Ratio Lower Upper

43 100

58 33.7 0.0 67.4



#14

Carbon disulfide

Concen: 55.381 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018163.D

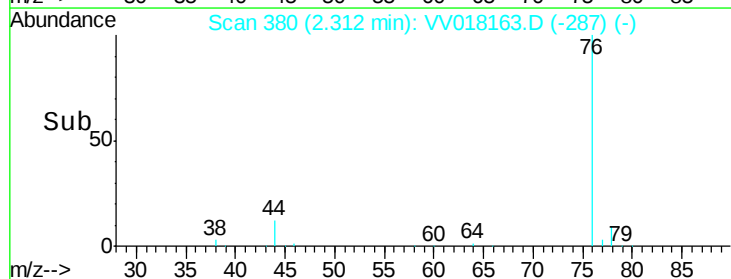
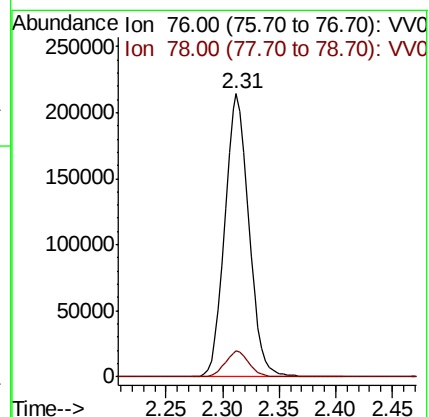
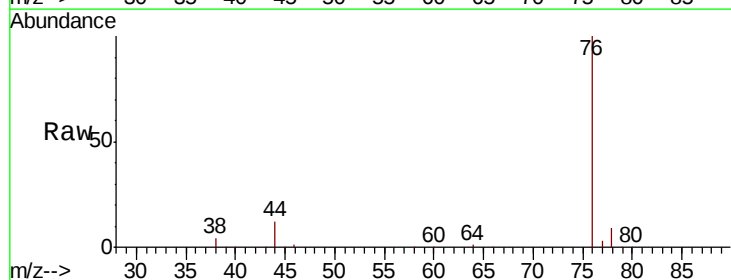
Acq: 09 Sep 2020 10:59

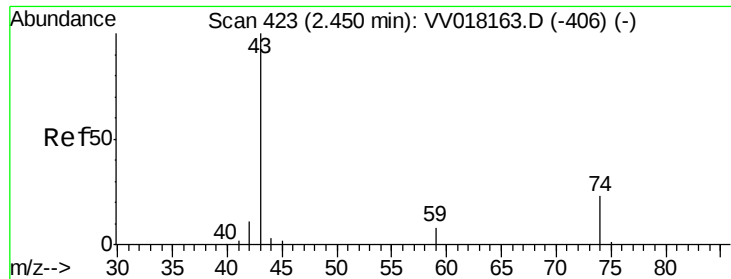
Tgt Ion: 76 Resp: 318313

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#15

Methvl Acetate

Concen: 45.918 ug/L

RT: 2.45 min Scan# 423

Delta R.T. 0.00 min

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Acq: 09 Sep 2020 10:59

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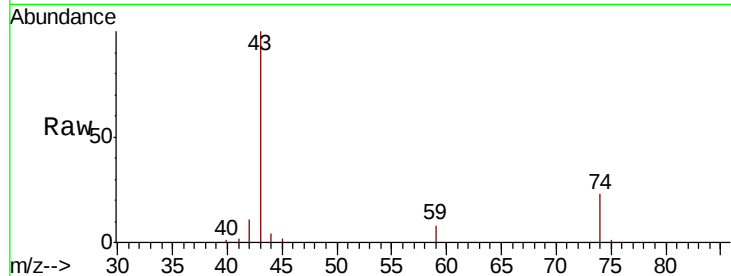
VSTD05066

Tot Ion: 43 Resp: 113012

Ion Ratio Lower Upper

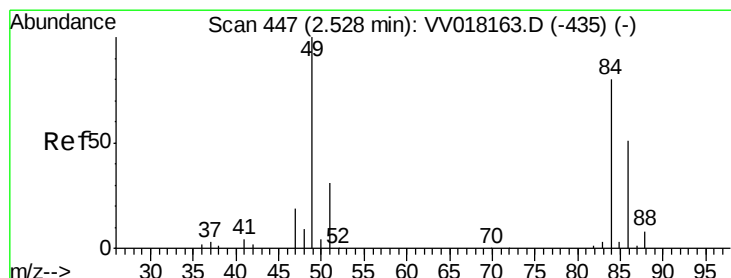
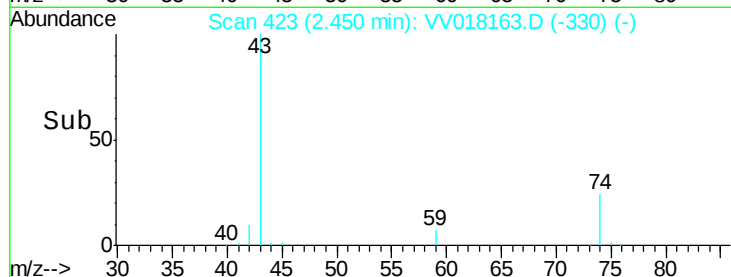
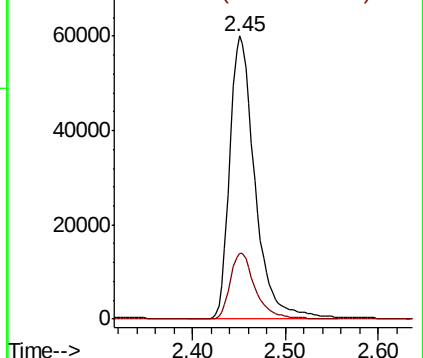
43 100

74 23.0 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 44.701 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

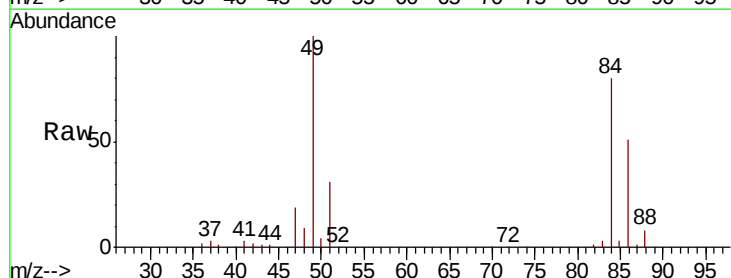
Tgt Ion: 84 Resp: 113659

Ion Ratio Lower Upper

84 100

86 63.4 44.4 82.4

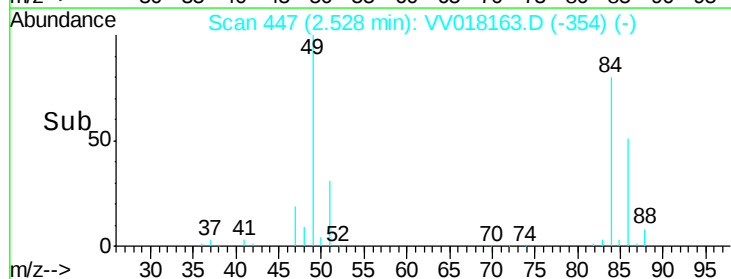
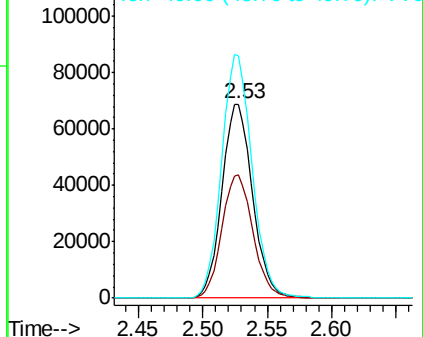
49 124.6 87.2 162.0

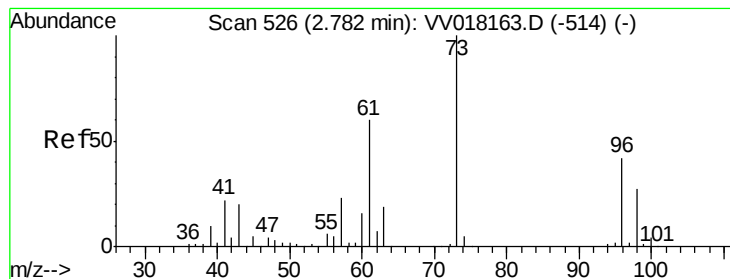


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 50.993 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

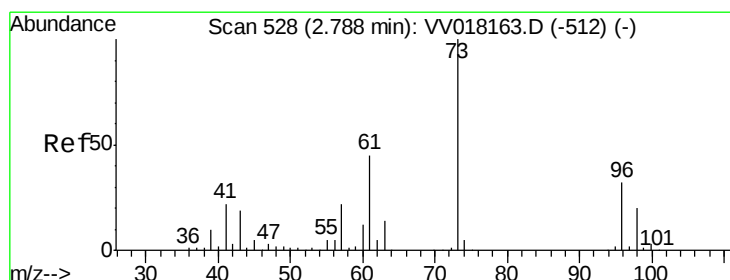
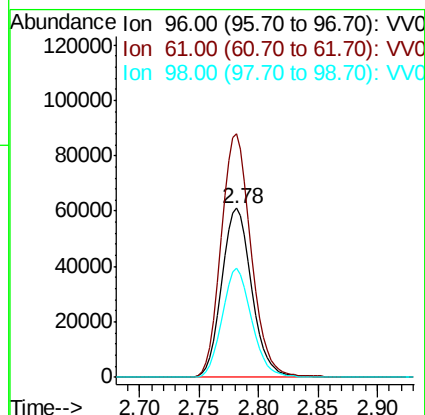
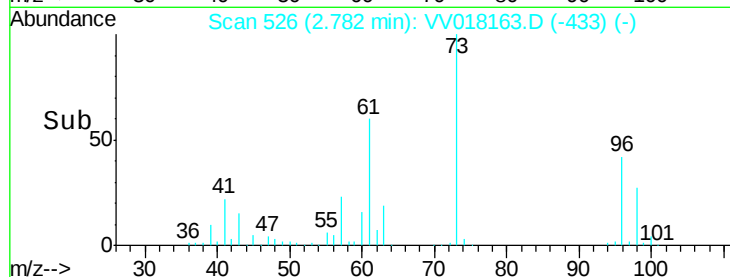
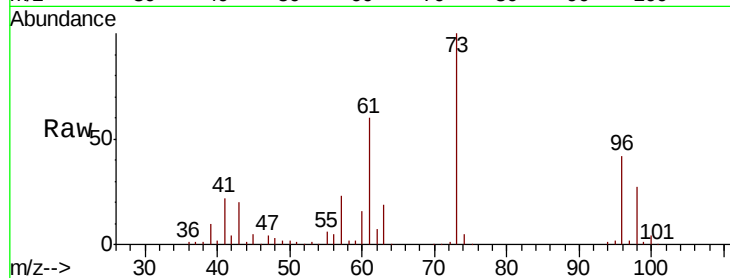
Tot Ion: 96 Resp: 107098

Ion Ratio Lower Upper

96 100

61 143.8 100.7 186.9

98 64.6 45.2 84.0



#18

Methyl tert-butyl Ether

Concen: 48.546 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

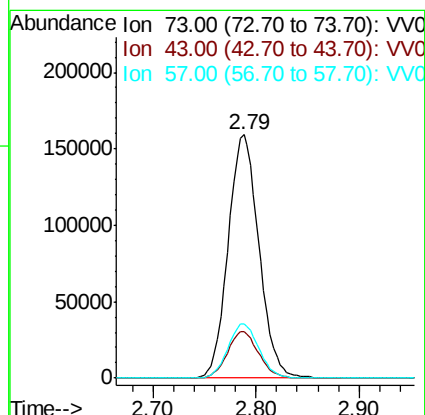
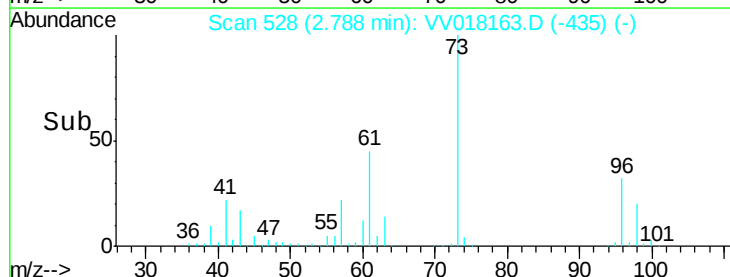
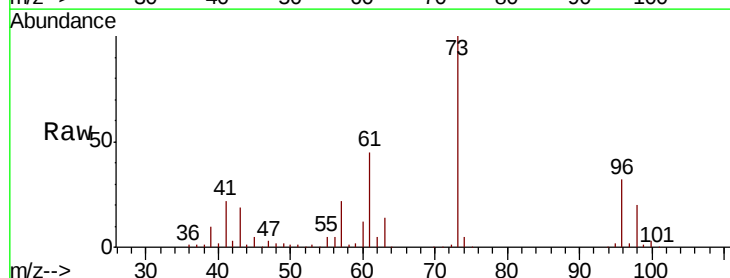
Tgt Ion: 73 Resp: 331350

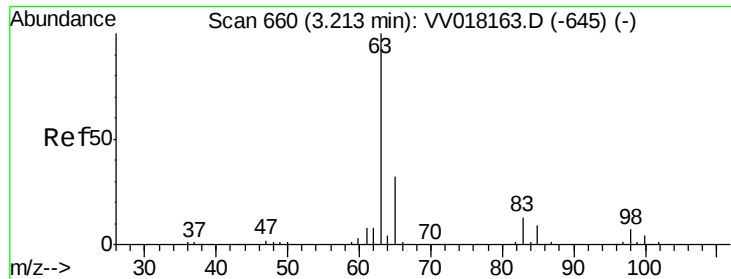
Ion Ratio Lower Upper

73 100

43 19.2 15.4 23.0

57 22.5 18.0 27.0

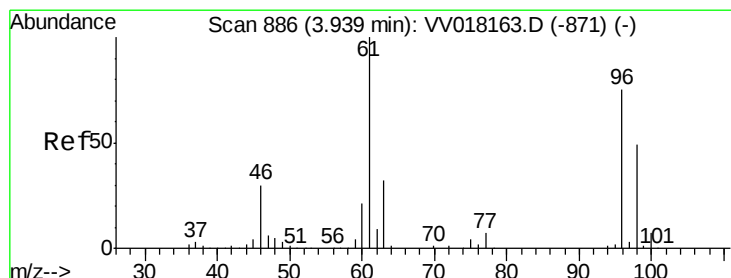
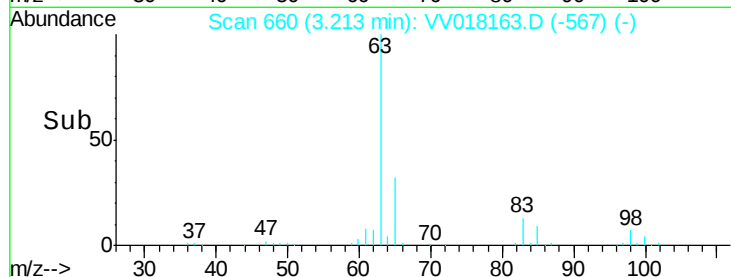
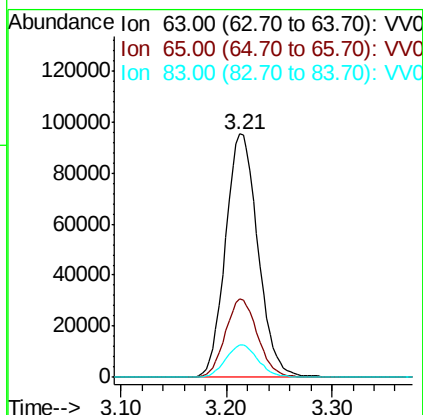
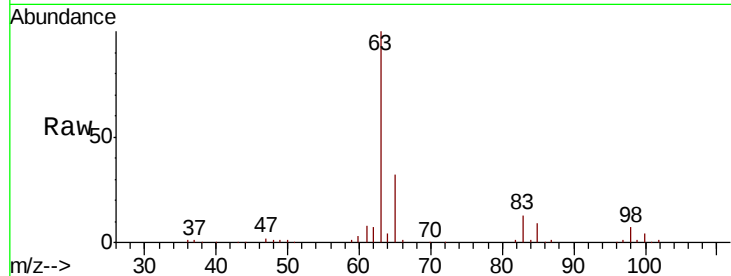




#19
 1,1-Dichloroethane
 Concen: 48.657 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV018163.D
 Acq: 09 Sep 2020 10:59

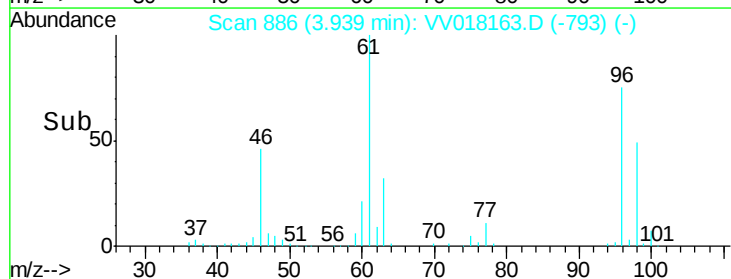
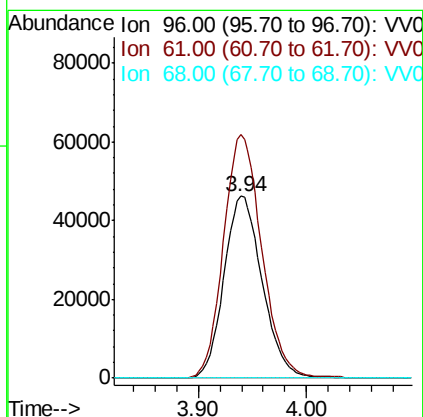
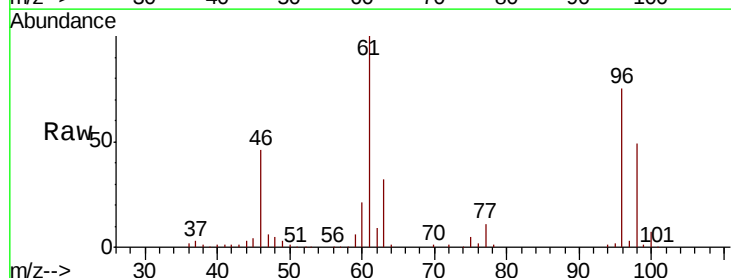
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

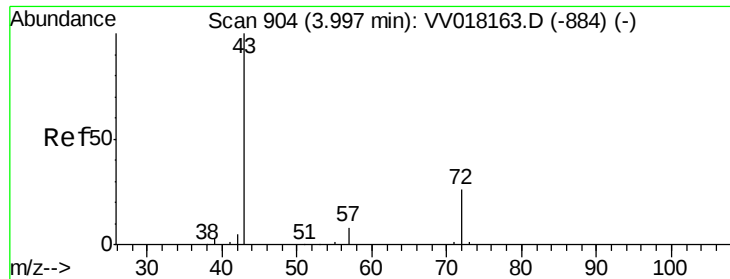
Tot Ion: 63 Resp: 202967
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.5 41.7
 83 13.3 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 49.936 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV018163.D
 Acq: 09 Sep 2020 10:59

Tgt Ion: 96 Resp: 114190
 Ion Ratio Lower Upper
 96 100
 61 133.7 93.6 173.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 94.540 ug/L

RT: 4.00 min Scan# 904

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

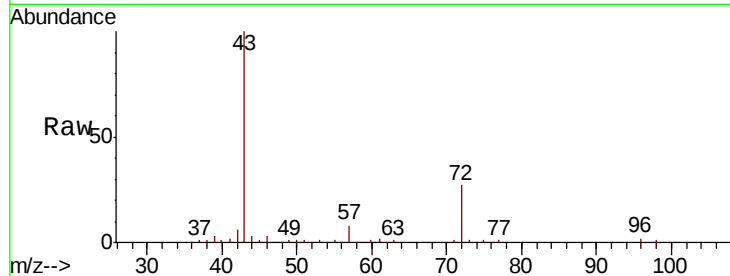
Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

Tot Ion: 43 Resp: 159691

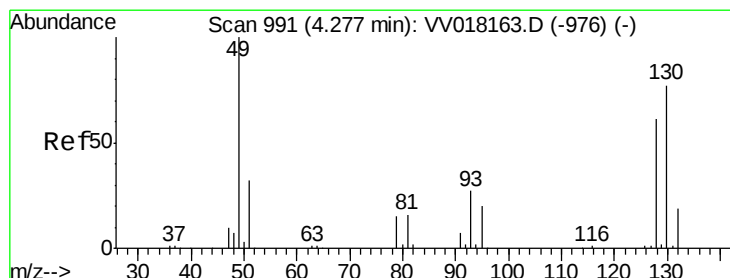
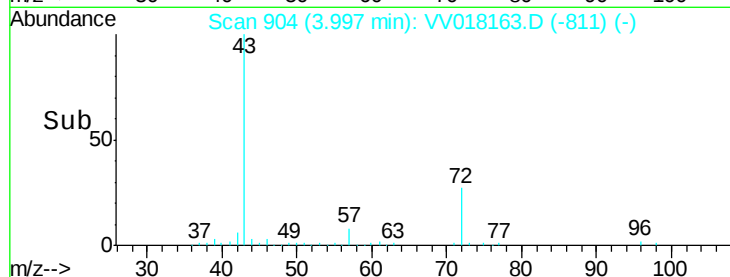
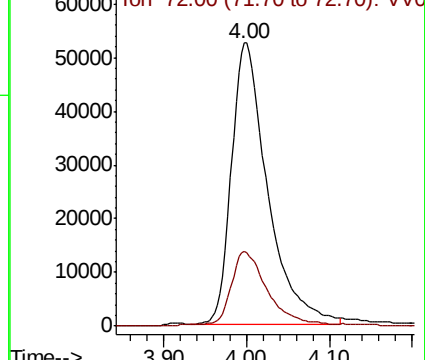
Ion Ratio Lower Upper

43 100

72 26.2 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV018163.D (-884) (-)



#23

Bromochloromethane

Concen: 50.812 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

Tgt Ion: 128 Resp: 60904

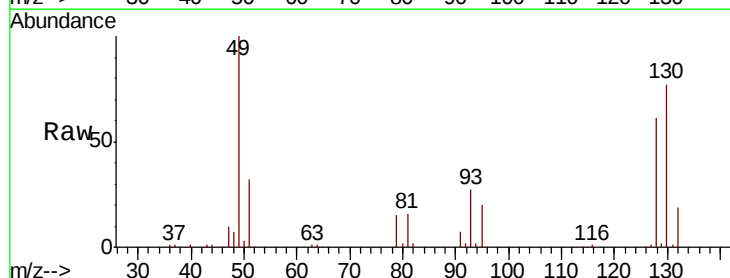
Ion Ratio Lower Upper

128 100

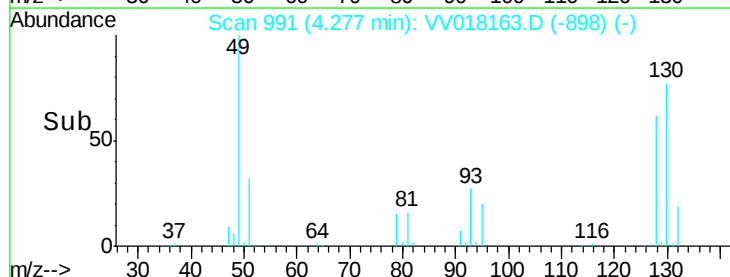
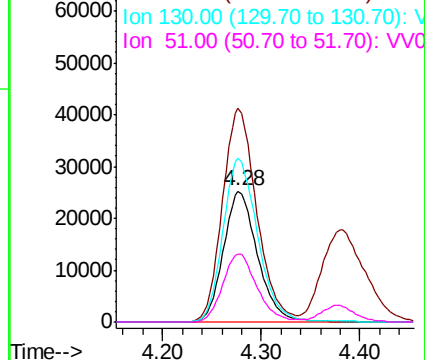
49 163.5 114.4 212.6

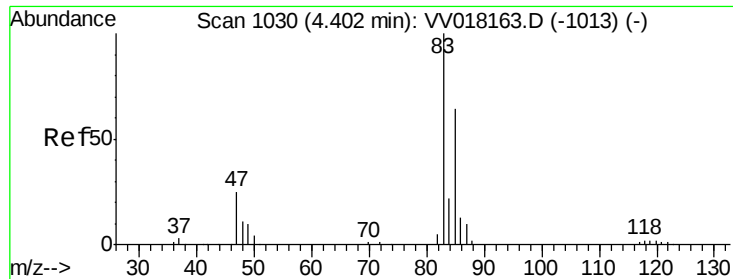
130 125.6 87.9 163.3

51 52.3 41.8 62.8



Abundance Ion 128.00 (127.70 to 128.70): VV018163.D (-976) (-)

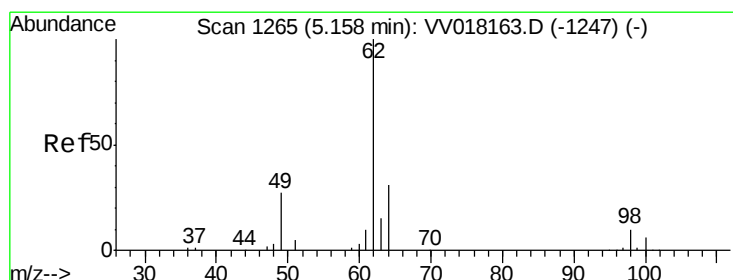
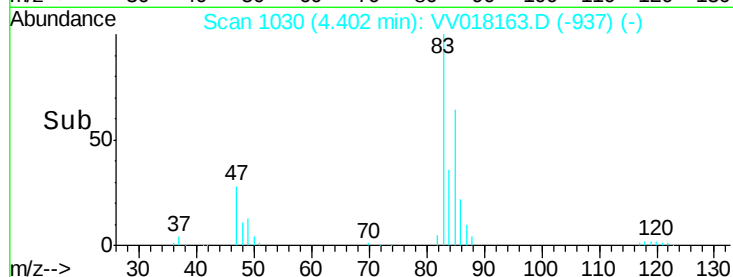
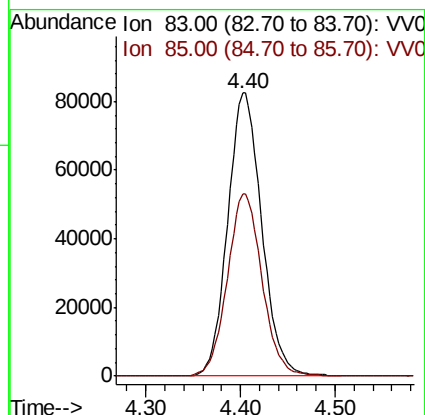
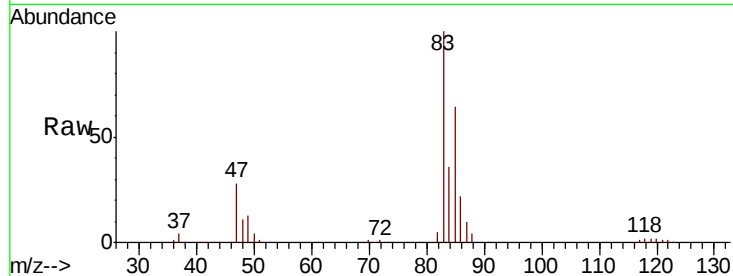




#25
Chloroform
Concen: 48.490 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018163.D
Acq: 09 Sep 2020 10:59

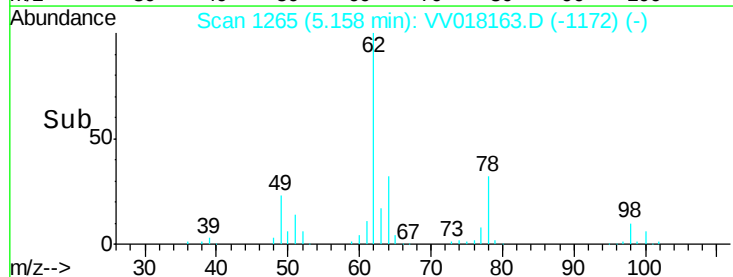
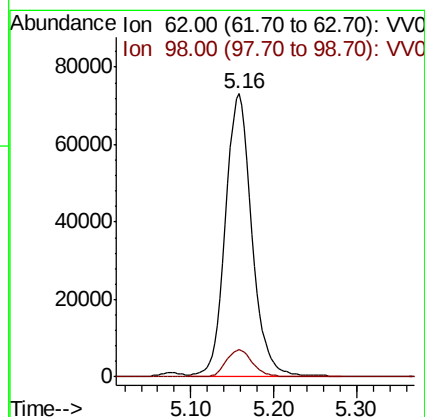
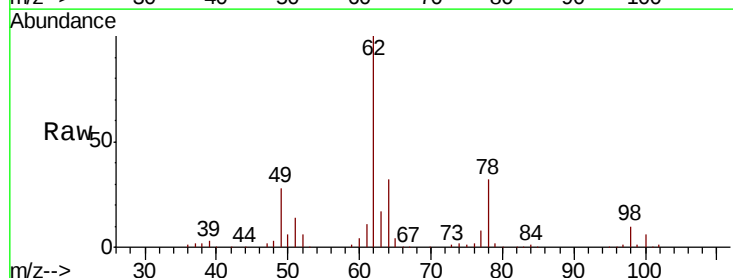
Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

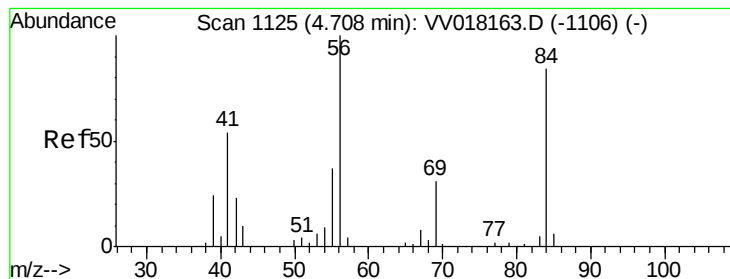
Tot Ion: 83 Resp: 206270
Ion Ratio Lower Upper
83 100
85 64.3 45.0 83.6



#27
1,2-Dichloroethane
Concen: 48.091 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV018163.D
Acq: 09 Sep 2020 10:59

Tgt Ion: 62 Resp: 161755
Ion Ratio Lower Upper
62 100
98 9.5 7.6 11.4





#29

Cyclohexane

Concen: 51.838 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

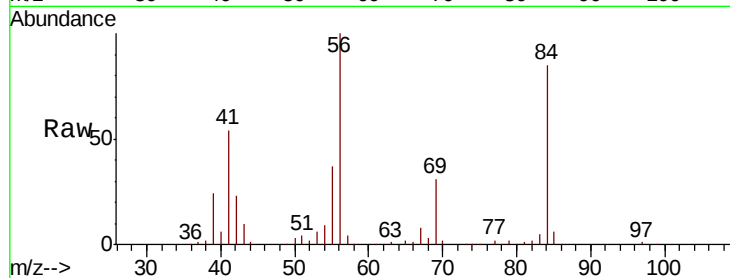
Tot Ion: 56 Resp: 185094

Ion Ratio Lower Upper

56 100

69 30.2 24.2 36.2

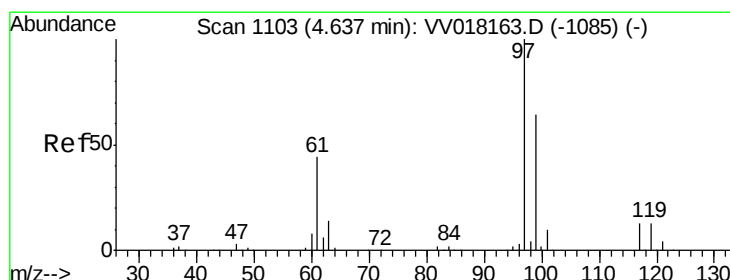
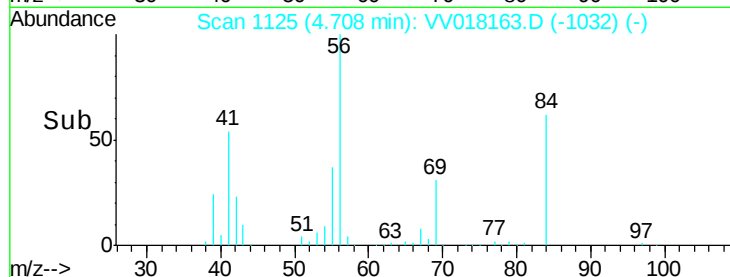
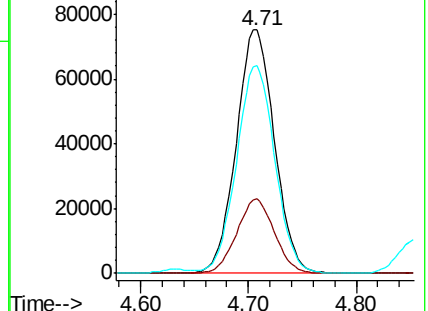
84 85.4 68.3 102.5



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: 50.272 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

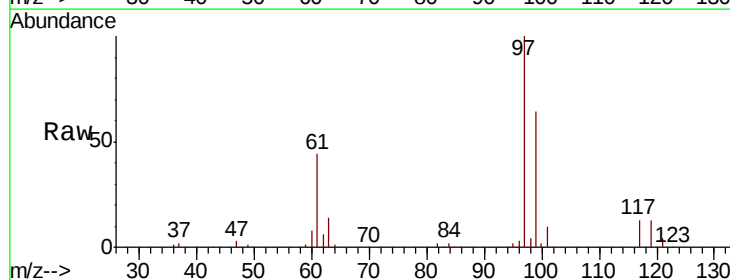
Tgt Ion: 97 Resp: 181214

Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

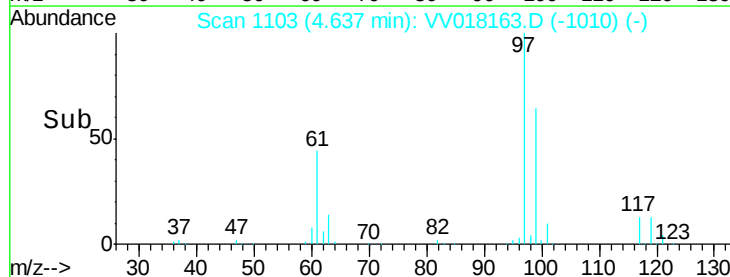
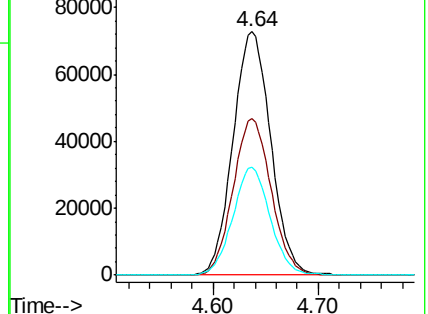
61 43.6 34.9 52.3

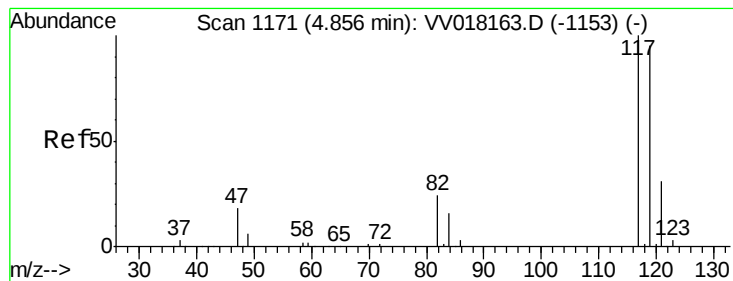


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 52.561 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

Instrument :

MSVOA_V

ClientSampleId :

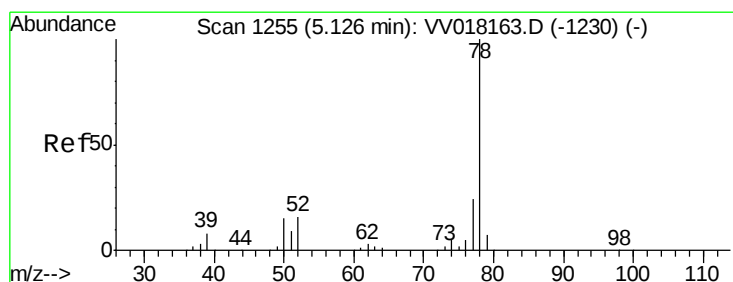
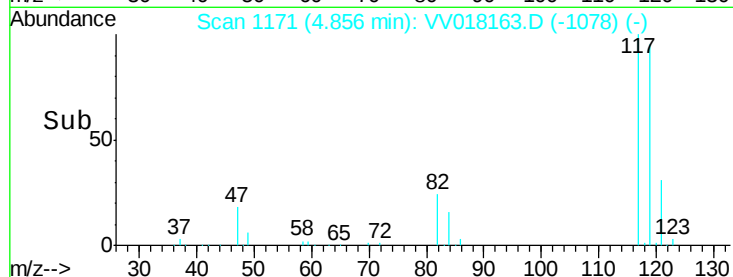
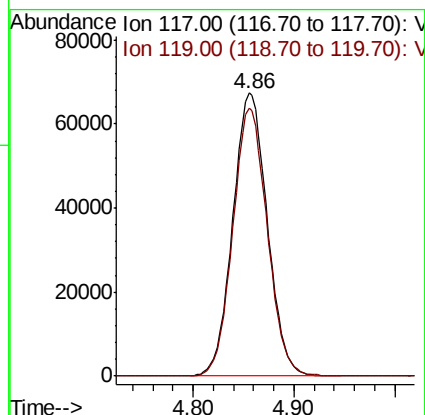
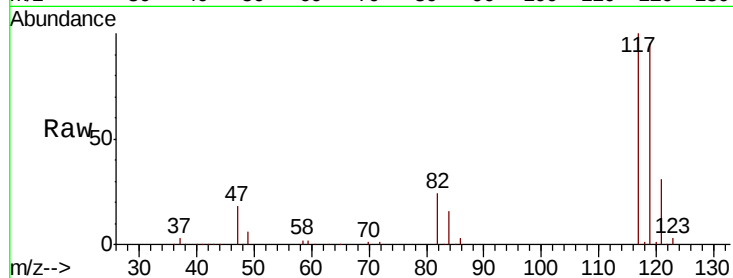
VSTD05066

Tot Ion:117 Resp: 159886

Ion Ratio Lower Upper

117 100

119 94.6 75.7 113.5



#33

Benzene

Concen: 49.672 ug/L

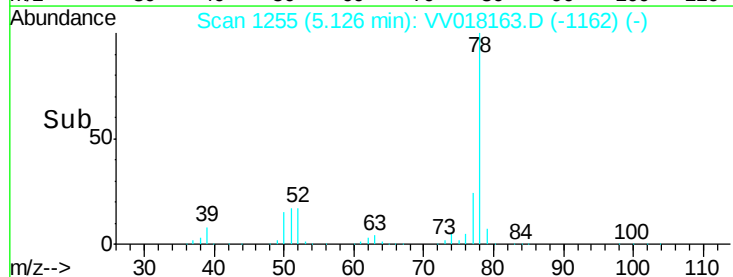
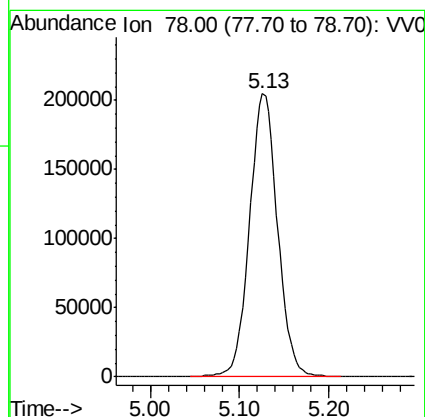
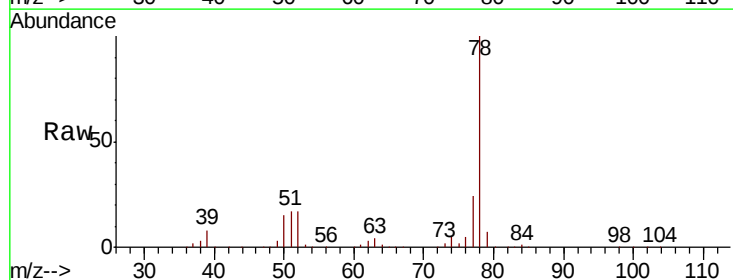
RT: 5.13 min Scan# 1255

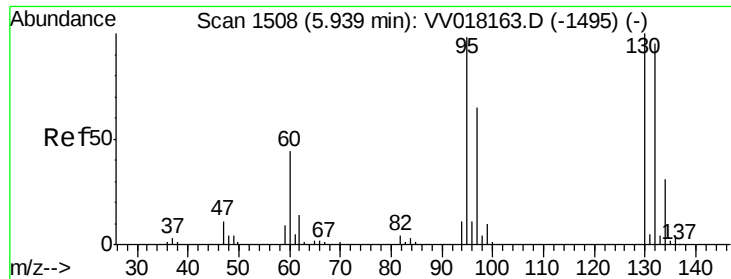
Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

Tgt Ion: 78 Resp: 449207





#34

Trichloroethene

Concen: 49.385 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

Tot Ion: 95 Resp: 118891

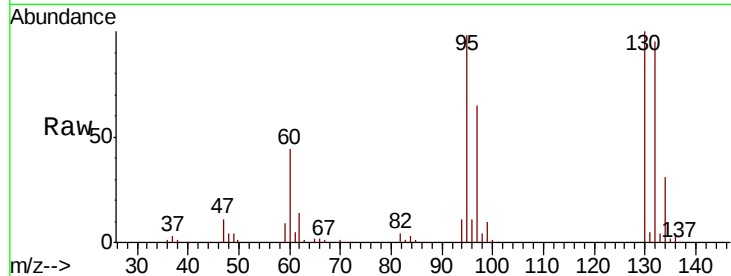
Ion Ratio Lower Upper

95 100

97 66.1 46.3 85.9

132 97.3 68.1 126.5

130 102.2 71.5 132.9

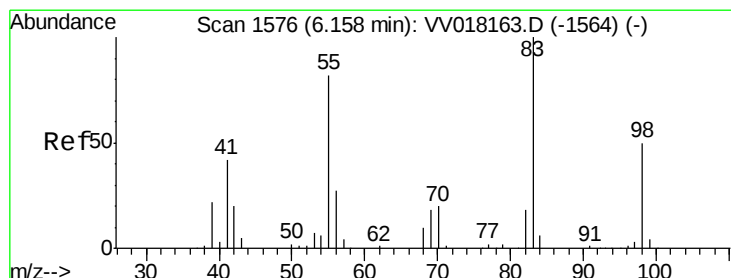
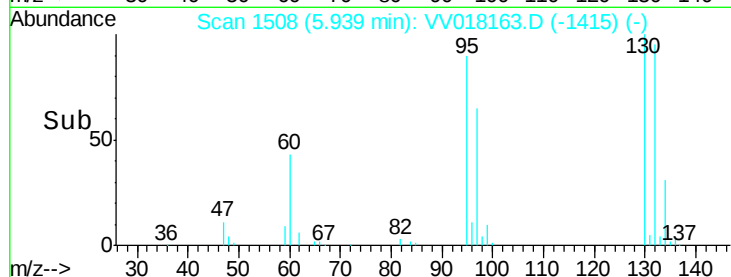
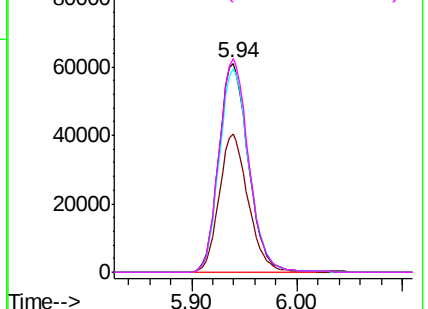


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 51.881 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

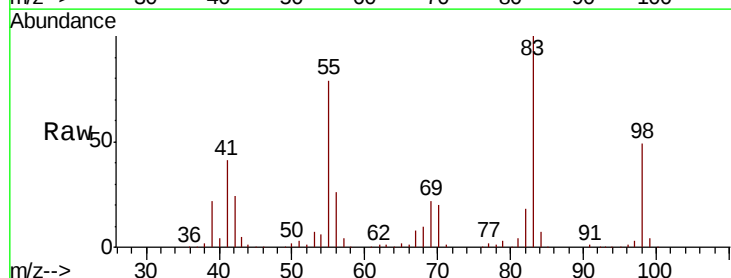
Tgt Ion: 83 Resp: 187524

Ion Ratio Lower Upper

83 100

55 79.3 63.4 95.2

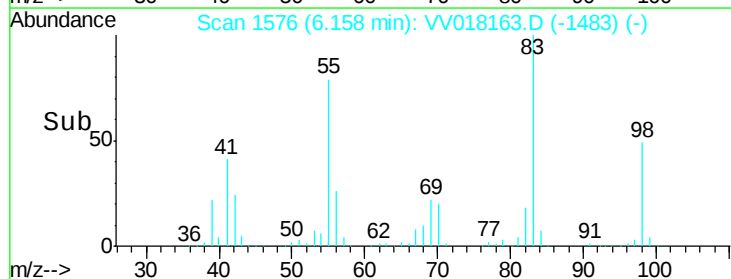
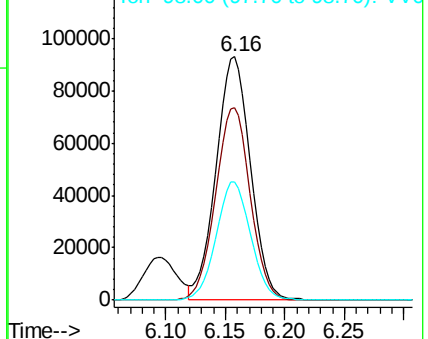
98 48.5 38.8 58.2

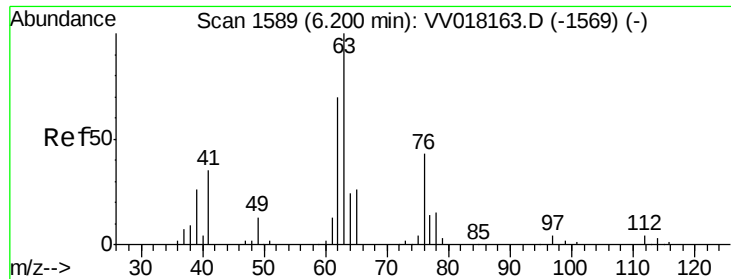


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

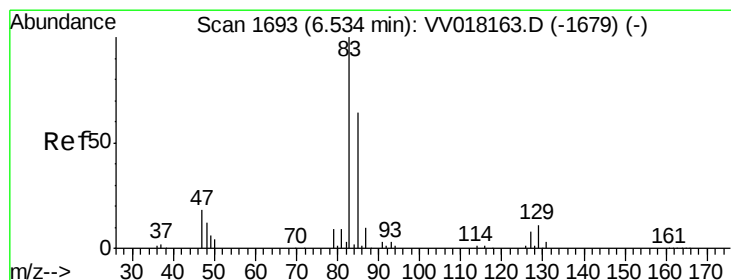
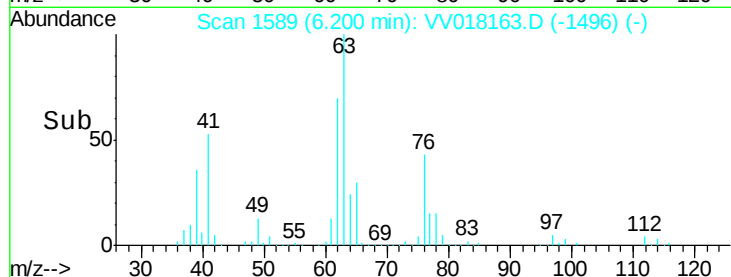
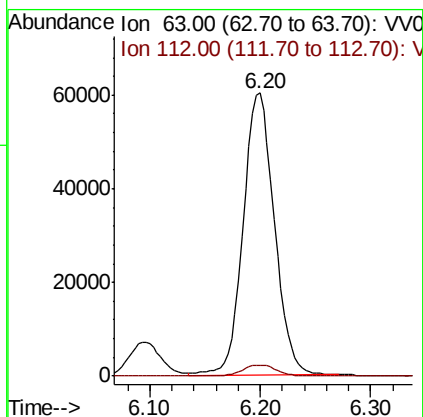
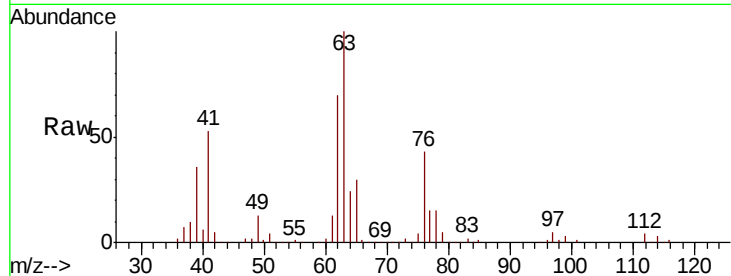




#37
 1,2-Dichloropropane
 Concen: 48.317 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV018163.D
 Acq: 09 Sep 2020 10:59

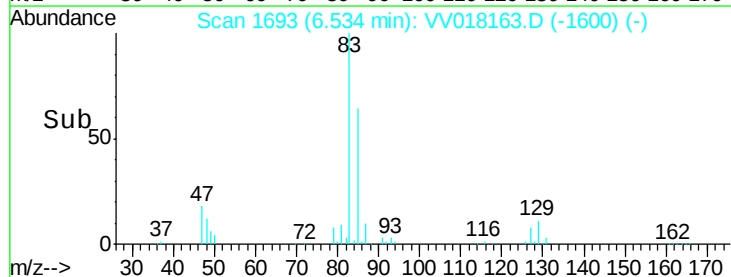
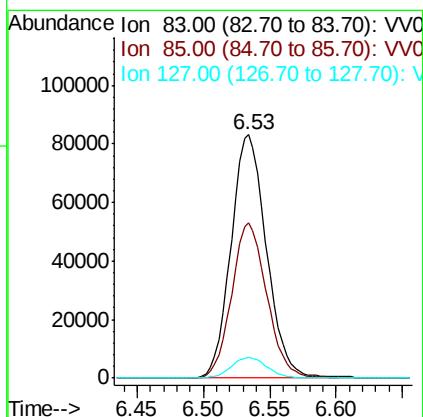
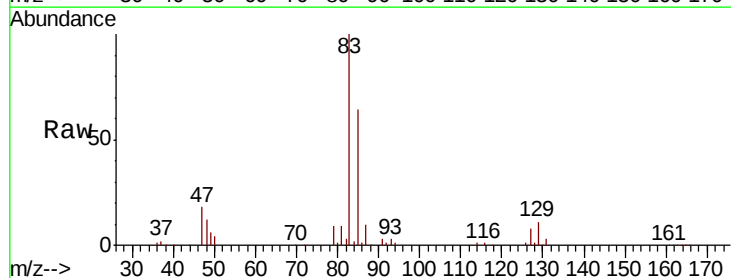
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

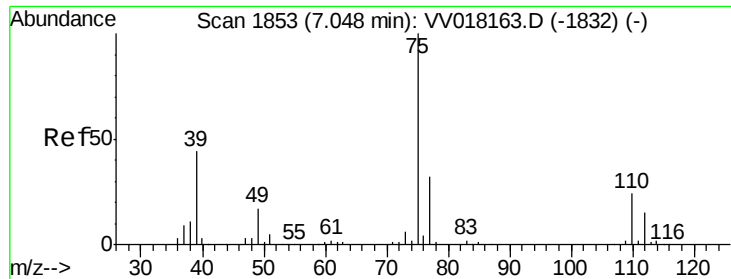
Tot Ion: 63 Resp: 118506
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#38
 Bromodichloromethane
 Concen: 50.223 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV018163.D
 Acq: 09 Sep 2020 10:59

Tgt Ion: 83 Resp: 154298
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.7 82.9
 127 8.4 6.7 10.1

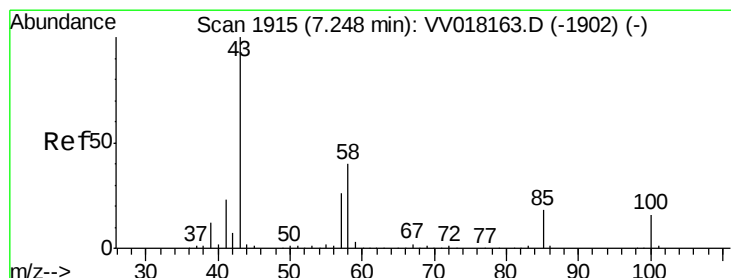
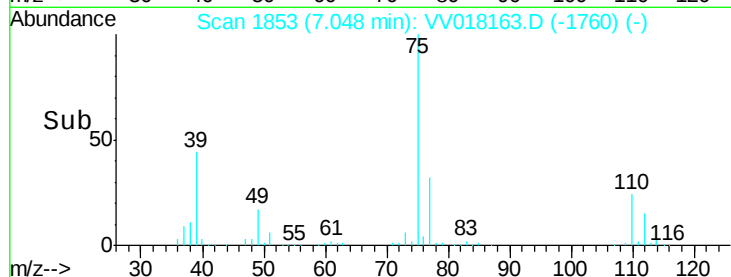
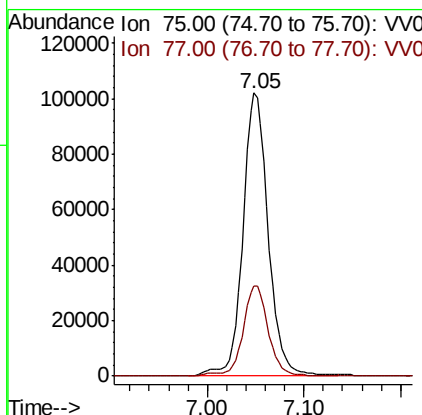
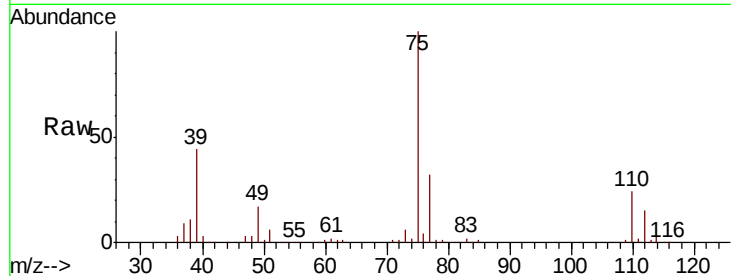




#39
 cis-1,3-Dichloropropene
 Concen: 52.674 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018163.D
 Acq: 09 Sep 2020 10:59

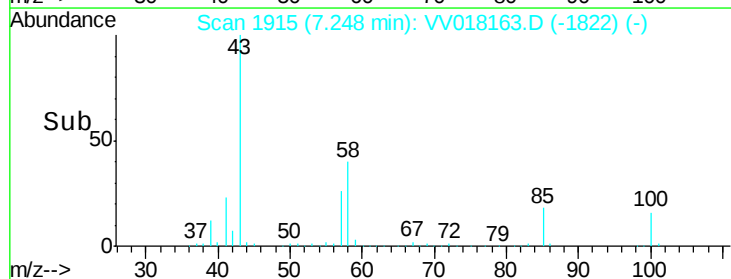
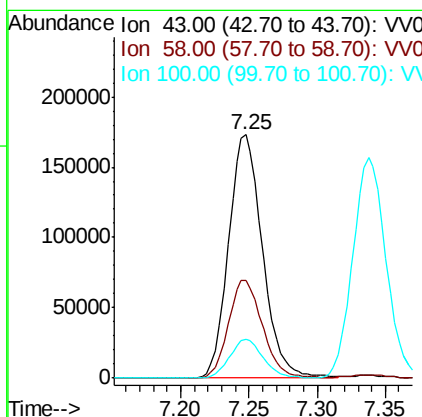
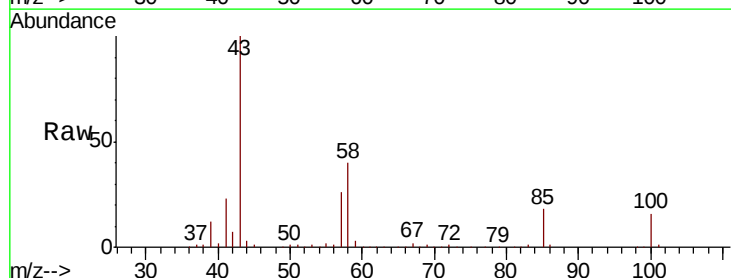
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

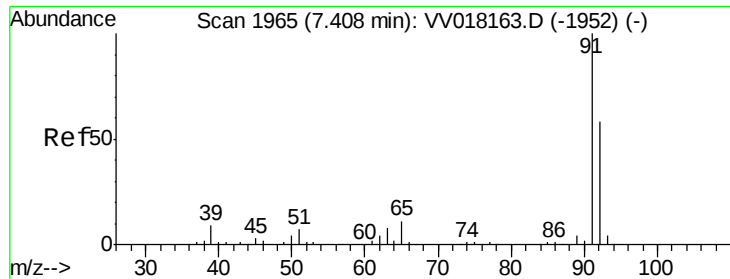
Tot Ion: 75 Resp: 18555
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 94.749 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV018163.D
 Acq: 09 Sep 2020 10:59

Tgt Ion: 43 Resp: 298711
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.4 48.6
 100 15.9 12.7 19.1





#42

Toluene

Concen: 50.790 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

Instrument :

MSVOA_V

ClientSampleId :

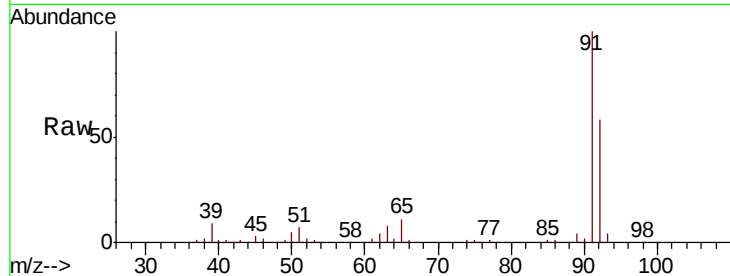
VSTD05066

Tot Ion: 91 Resp: 481501

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

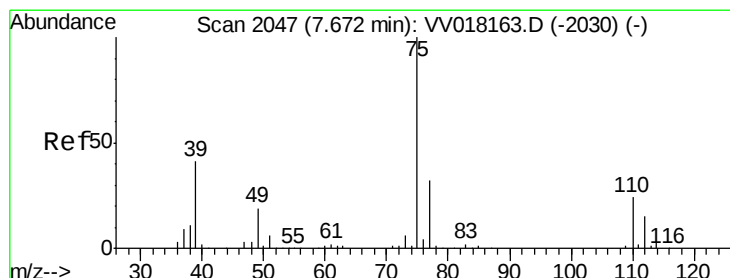
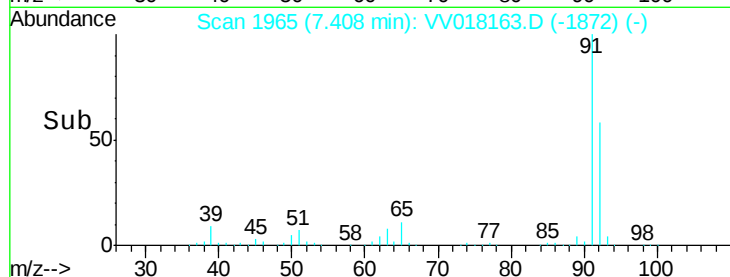
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 54.058 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018163.D

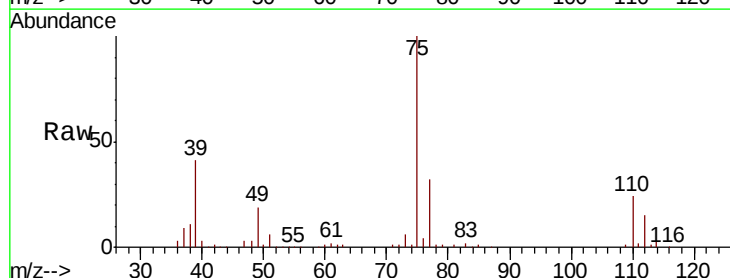
Acq: 09 Sep 2020 10:59

Tgt Ion: 75 Resp: 181368

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

120000

100000

80000

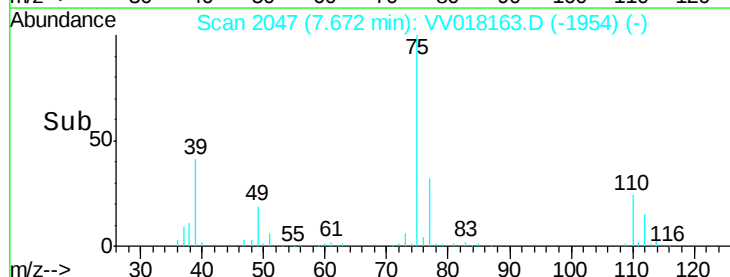
60000

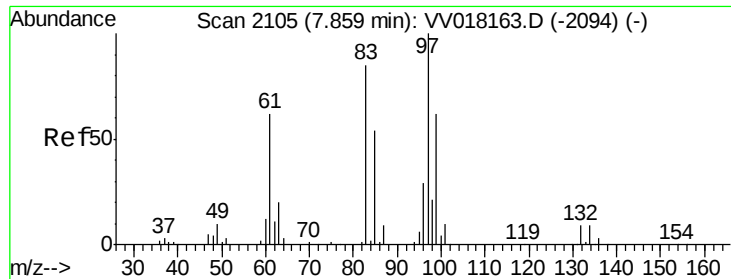
40000

20000

0

Time-->

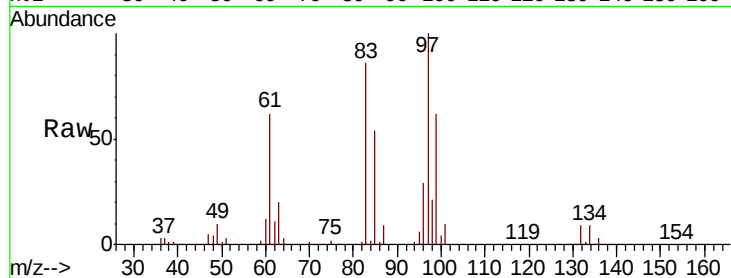




#45
 1,1,2-Trichloroethane
 Concen: 48.484 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV018163.D
 Acq: 09 Sep 2020 10:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

Tot Ion:	97	Resp:	110423
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.7	81.1
83	85.6	59.9	111.3
85	53.7	37.6	69.8



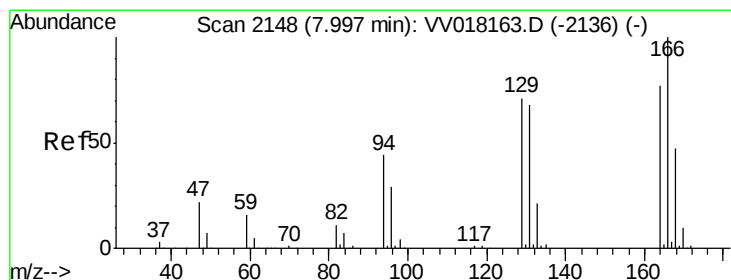
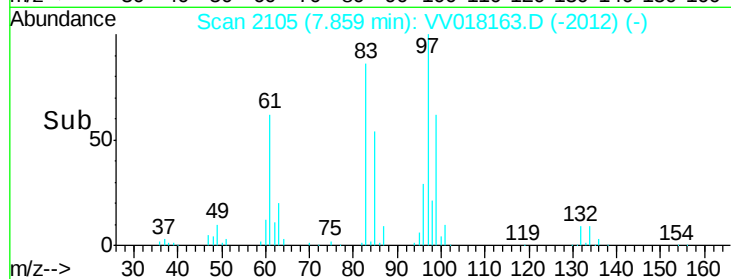
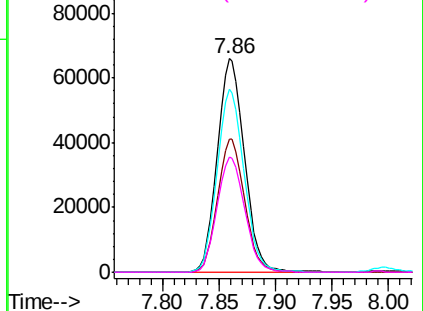
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

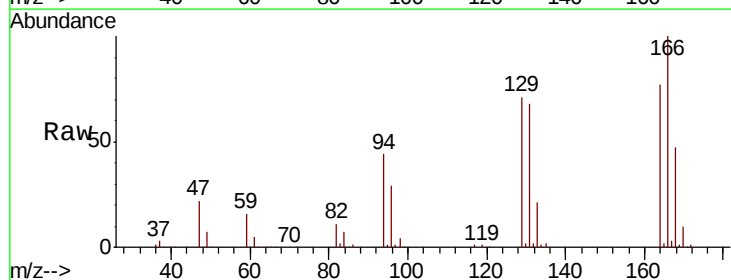
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 53.476 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV018163.D
 Acq: 09 Sep 2020 10:59

Tgt Ion:	164	Resp:	96113
Ion	Ratio	Lower	Upper
164	100		
129	92.1	64.5	119.7
131	88.3	61.8	114.8
166	129.4	90.6	168.2



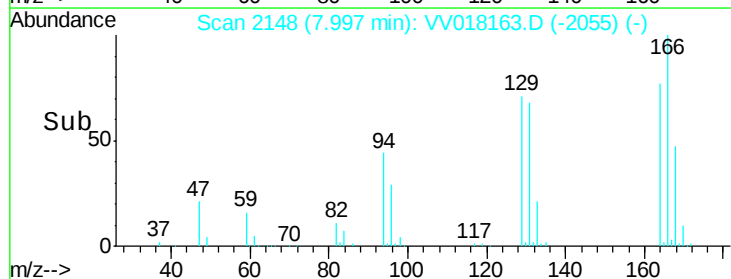
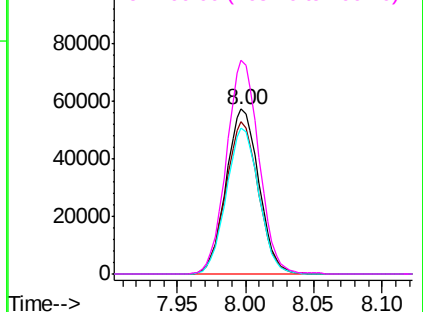
Abundance

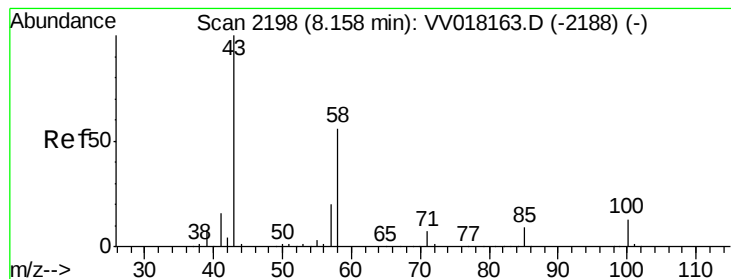
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 94.184 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

Tot Ion: 43 Resp: 238291

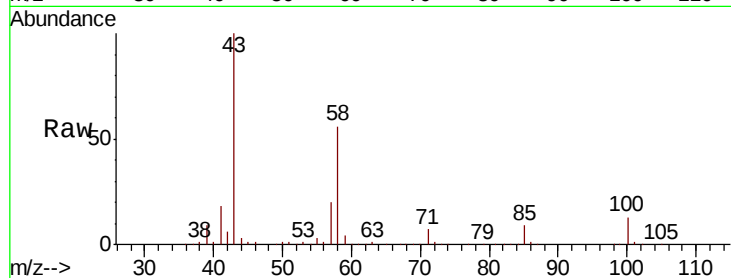
Ion Ratio Lower Upper

43 100

58 56.0 44.8 67.2

57 19.7 15.8 23.6

100 12.8 10.2 15.4

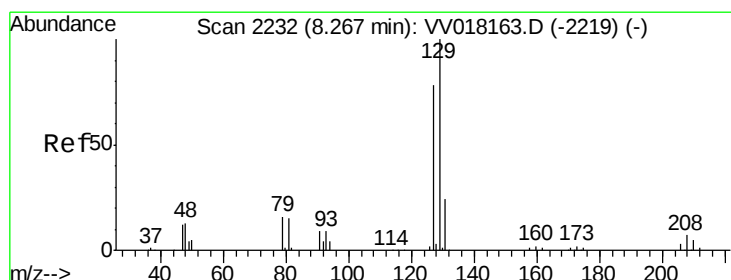
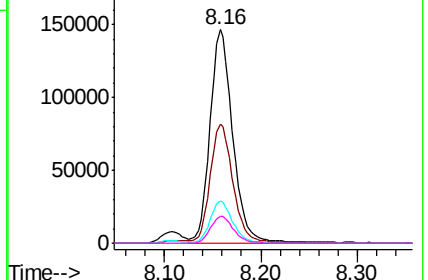
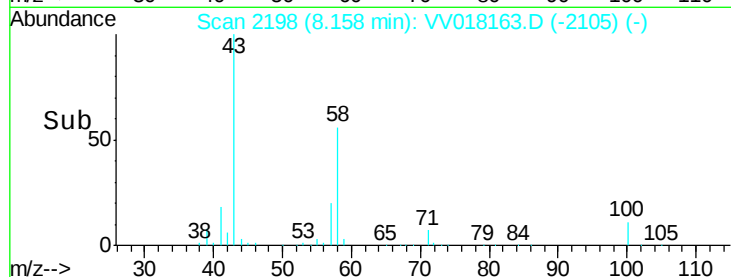


Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 53.854 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV018163.D

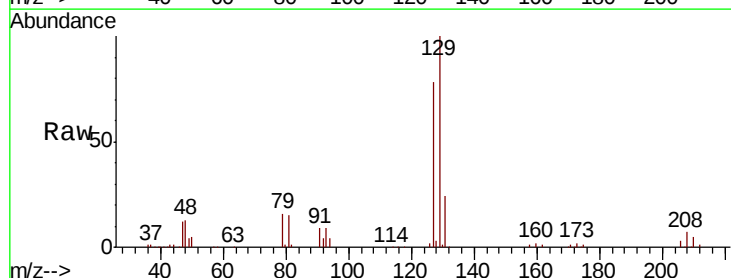
Acq: 09 Sep 2020 10:59

Tgt Ion: 129 Resp: 122597

Ion Ratio Lower Upper

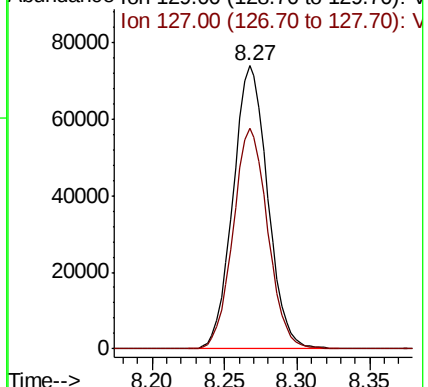
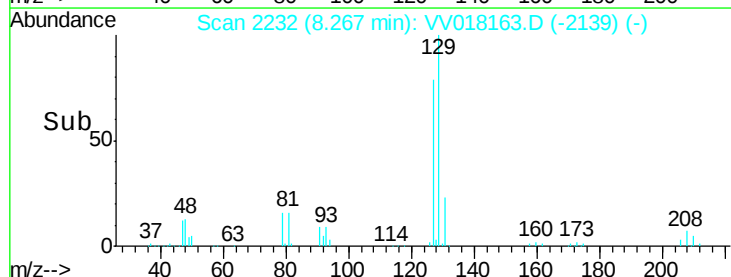
129 100

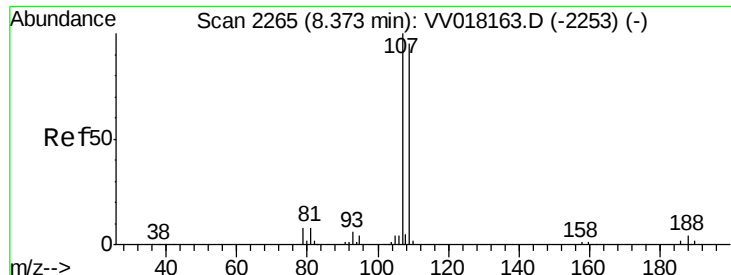
127 77.8 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

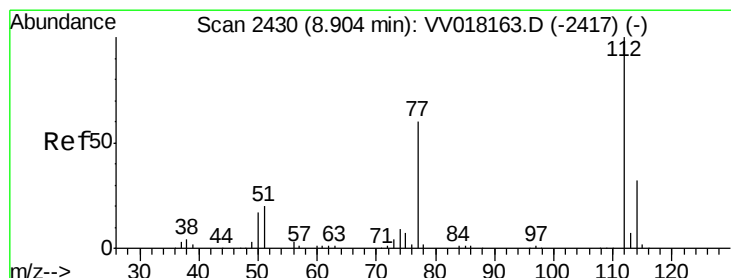
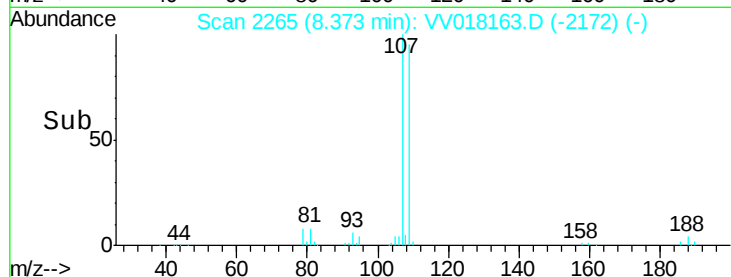
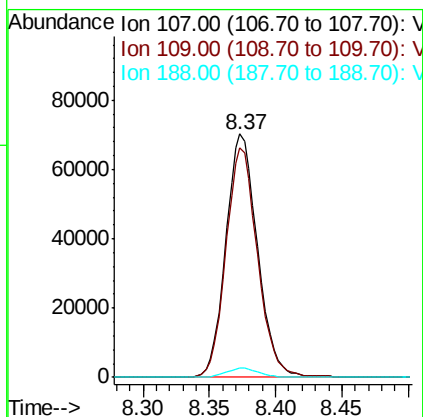
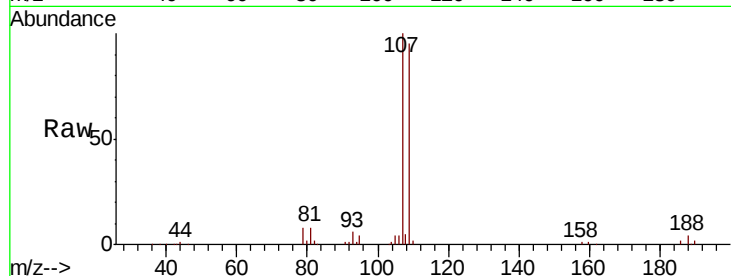




#50
 1,2-Dibromoethane
 Concen: 49.223 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV018163.D
 Acq: 09 Sep 2020 10:59

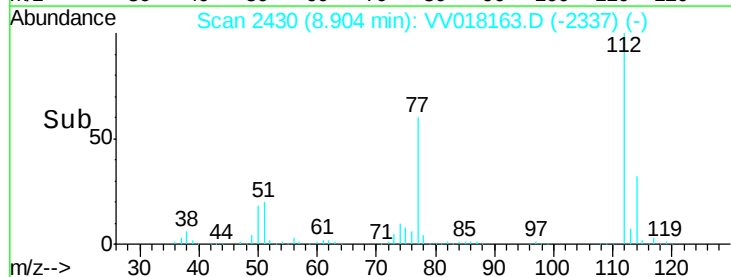
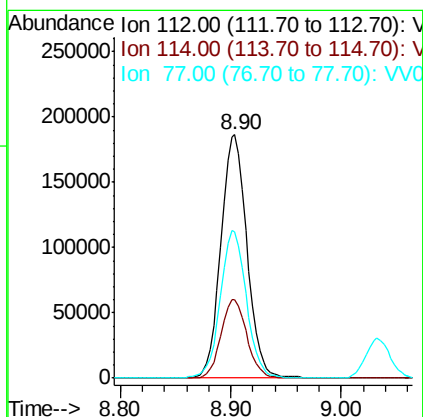
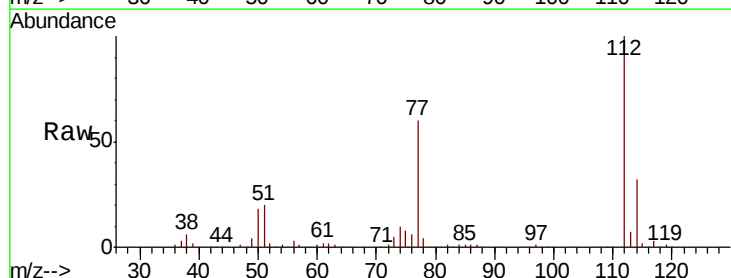
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

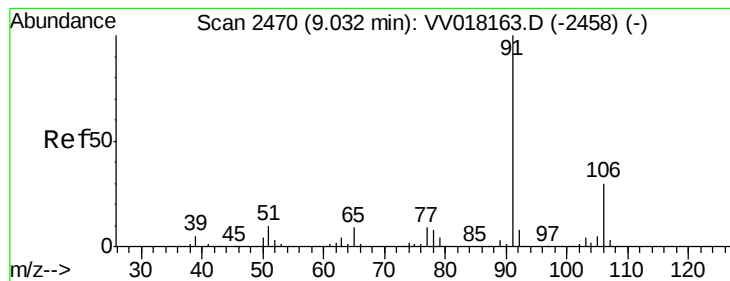
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	66.1	122.8
188	4.0	3.2	4.8



#51
 Chlorobenzene
 Concen: 49.981 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV018163.D
 Acq: 09 Sep 2020 10:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.6	42.0
77	60.0	48.0	72.0





#52

Ethylbenzene

Concen: 51.172 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

Instrument :

MSVOA_V

ClientSampleId :

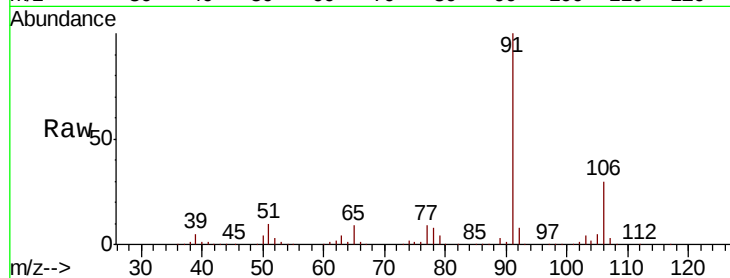
VSTD05066

Tot Ion: 91 Resp: 529809

Ion Ratio Lower Upper

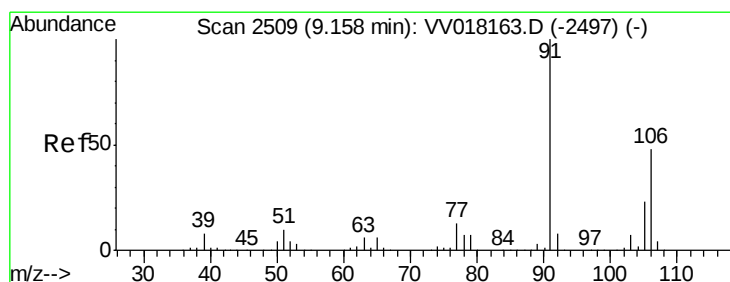
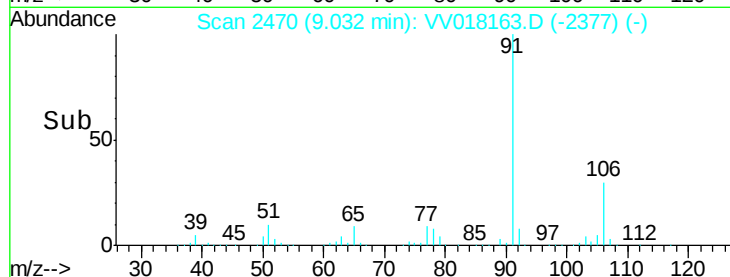
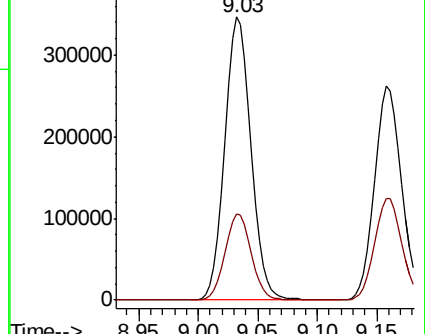
91 100

106 30.4 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV018163.D (-2458) (-)

Ion 106.00 (105.70 to 106.70): VV018163.D (-2458) (-)



#53

m,p-Xylene

Concen: 52.175 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018163.D

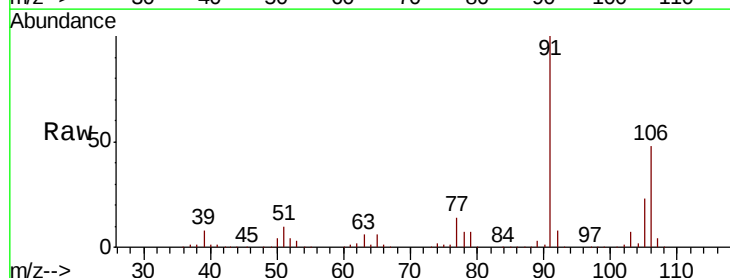
Acq: 09 Sep 2020 10:59

Tgt Ion: 106 Resp: 199121

Ion Ratio Lower Upper

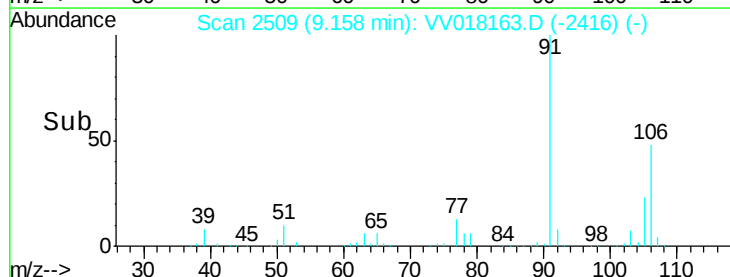
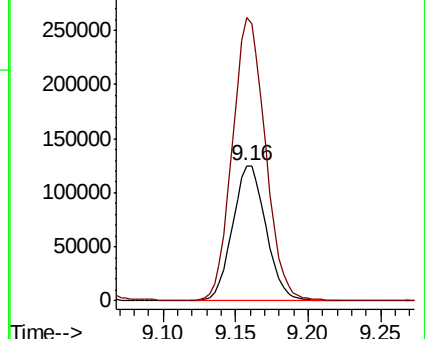
106 100

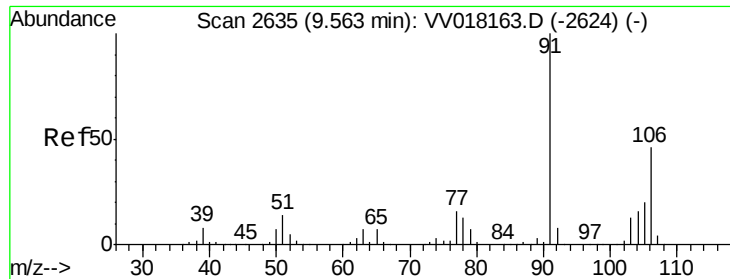
91 209.6 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018163.D (-2497) (-)

Ion 91.00 (90.70 to 91.70): VV018163.D (-2497) (-)





#54

o-xylene

Concen: 51.231 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

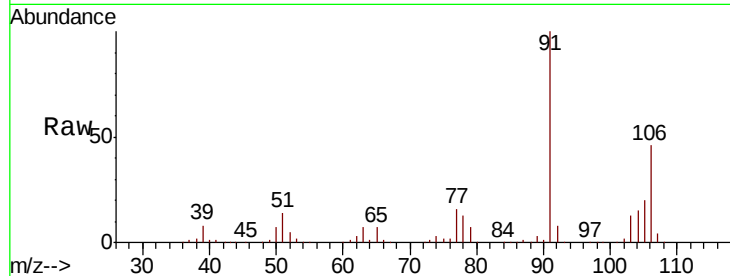
Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

Tot Ion:106 Resp: 193026

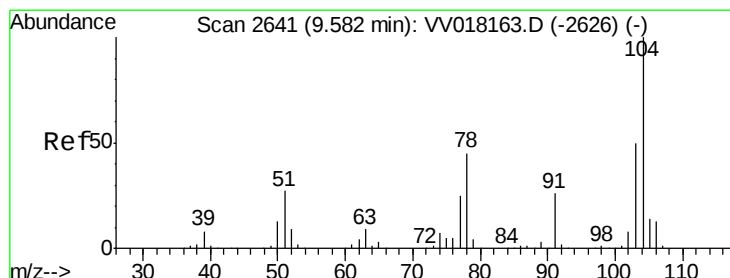
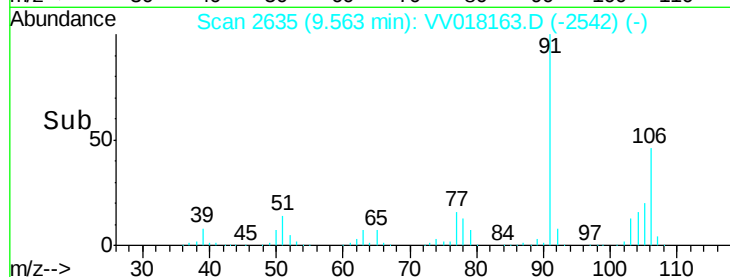
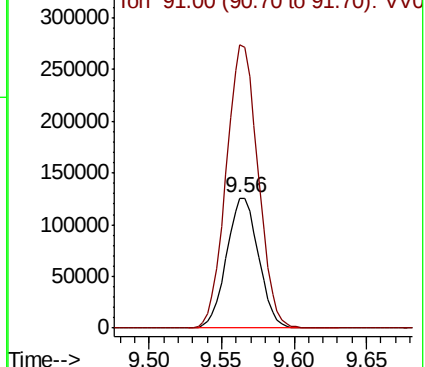
Ion Ratio Lower Upper

106 100

91 217.4 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 52.382 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV018163.D

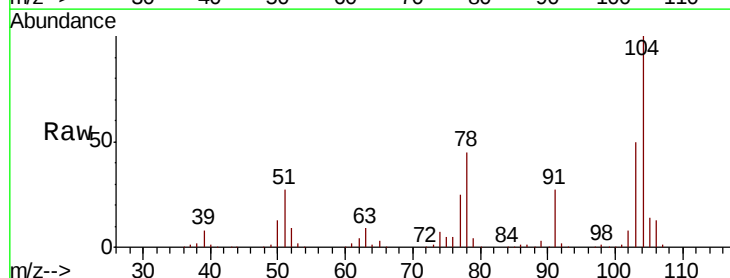
Acq: 09 Sep 2020 10:59

Tgt Ion:104 Resp: 337237

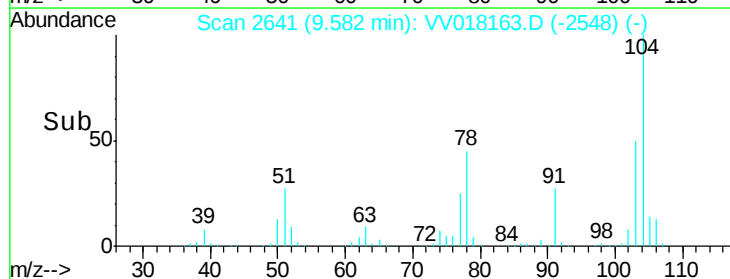
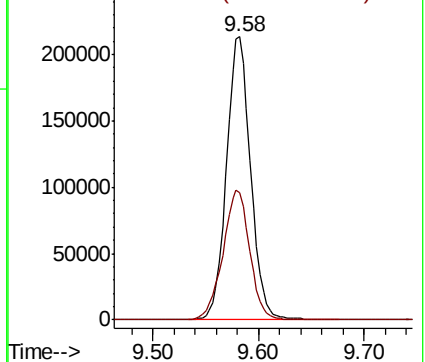
Ion Ratio Lower Upper

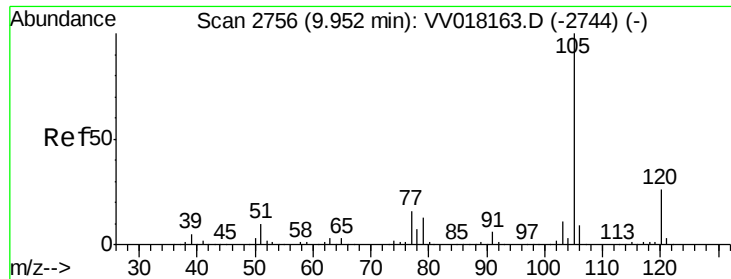
104 100

78 44.8 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.186 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

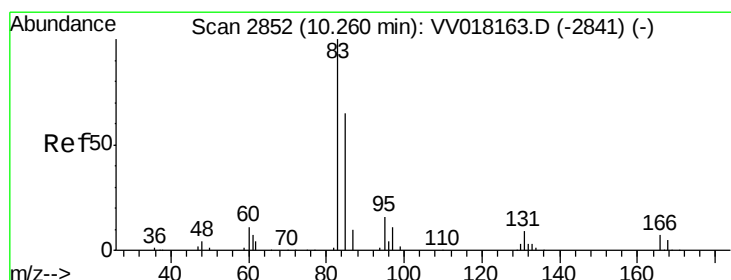
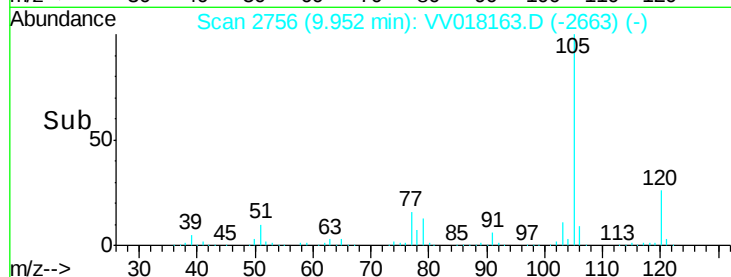
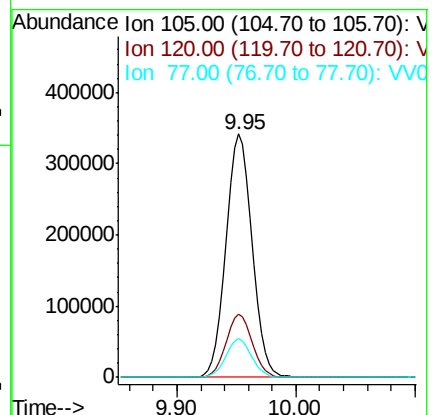
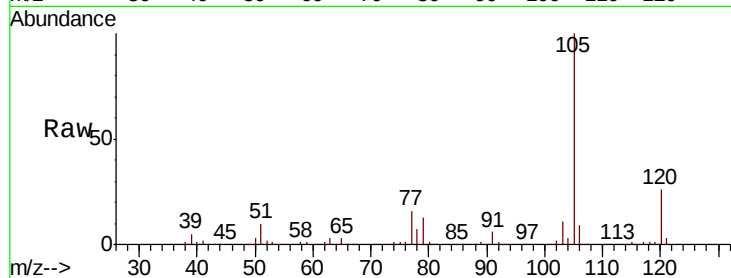
Tot Ion:105 Resp: 520385

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

77 15.6 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 46.635 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

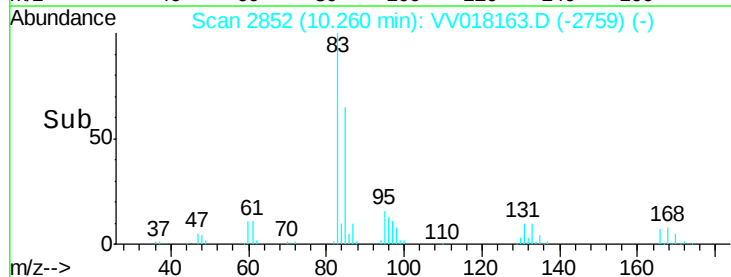
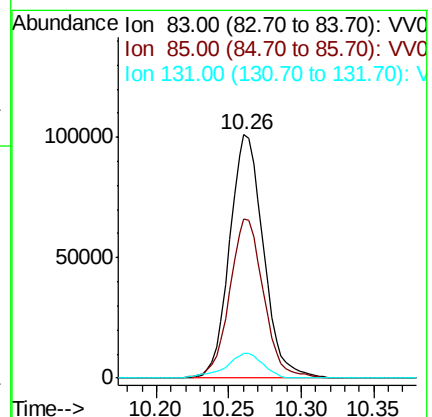
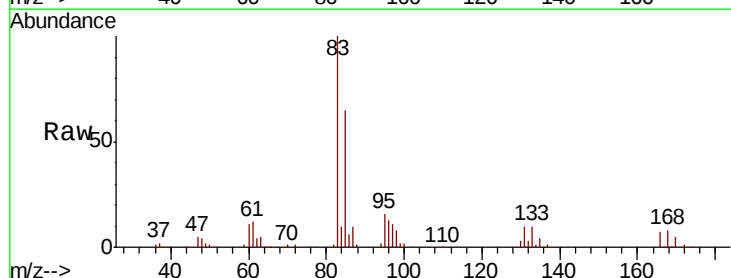
Tgt Ion: 83 Resp: 163575

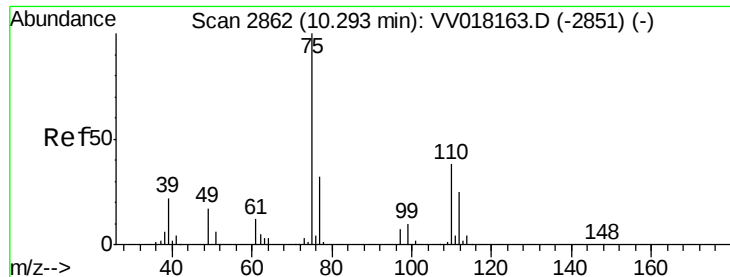
Ion Ratio Lower Upper

83 100

85 65.5 45.8 85.2

131 10.0 8.0 12.0





#59

1,2,3-Trichloropropane

Concen: 46.475 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

Instrument :

MSVOA_V

ClientSampleId :

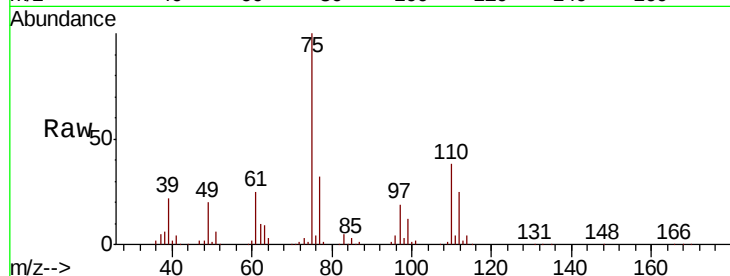
VSTD05066

Tot Ion: 75 Resp: 139511

Ion Ratio Lower Upper

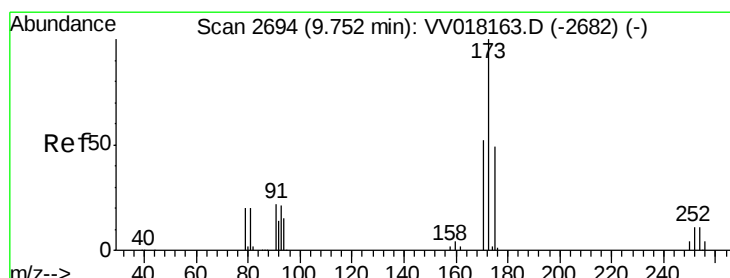
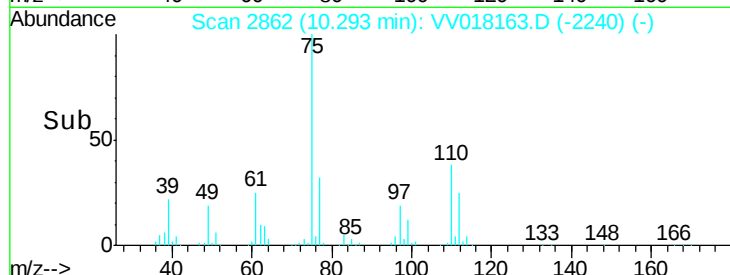
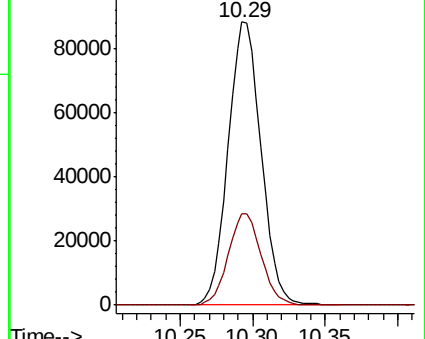
75 100

77 32.2 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV018163.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV018163.D (-2851) (-)



#61

Bromoform

Concen: 59.015 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

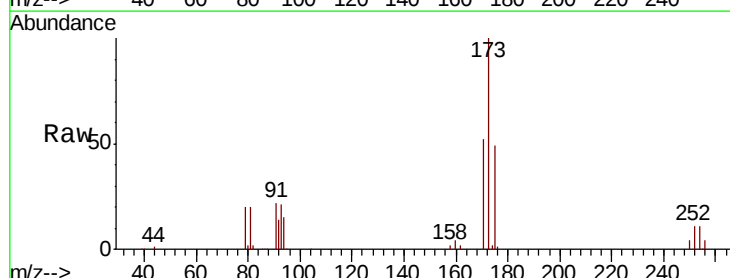
Tgt Ion: 173 Resp: 92337

Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.6

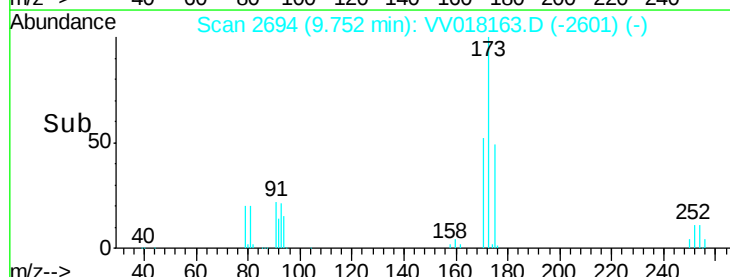
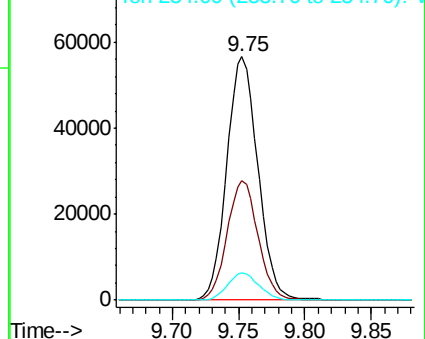
254 11.2 9.0 13.4

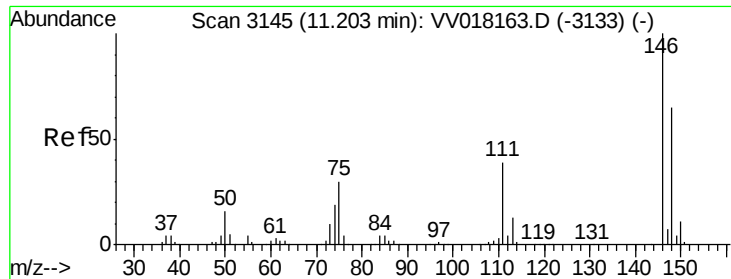


Abundance Ion 173.00 (172.70 to 173.70): VV018163.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018163.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018163.D (-2682) (-)





#62

1,3-Dichlorobenzene

Concen: 49.991 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

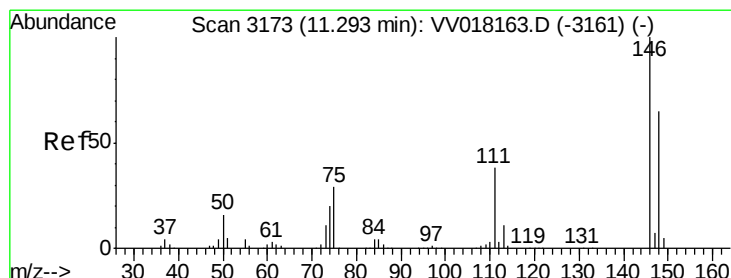
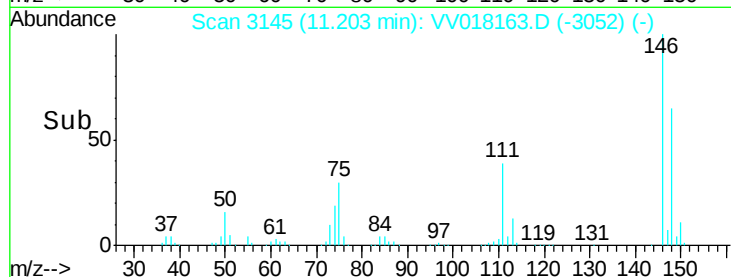
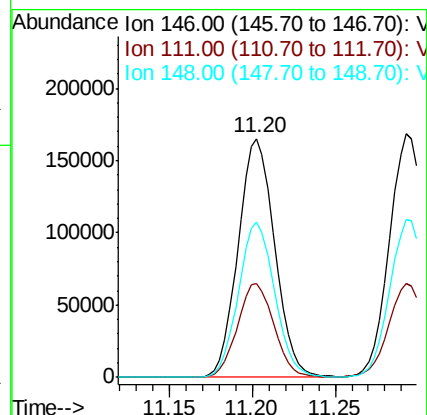
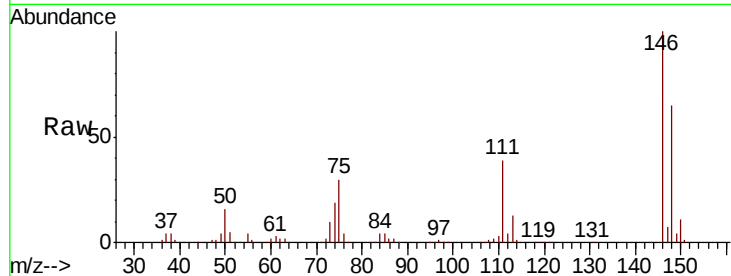
Tot Ion:146 Resp: 253840

Ion Ratio Lower Upper

146 100

111 39.4 27.6 51.2

148 64.8 45.4 84.2



#63

1,4-Dichlorobenzene

Concen: 49.657 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

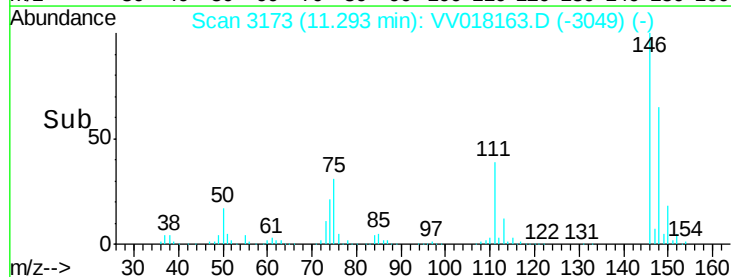
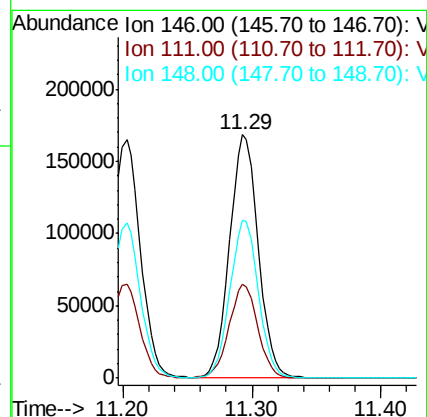
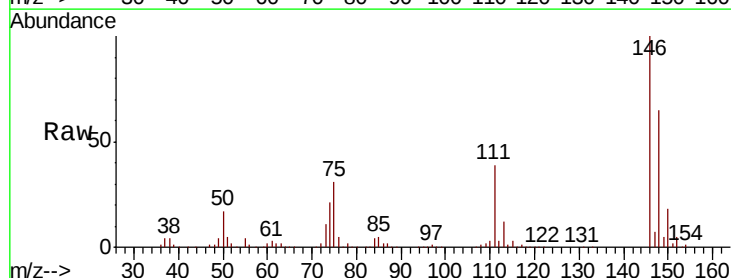
Tgt Ion:146 Resp: 259123

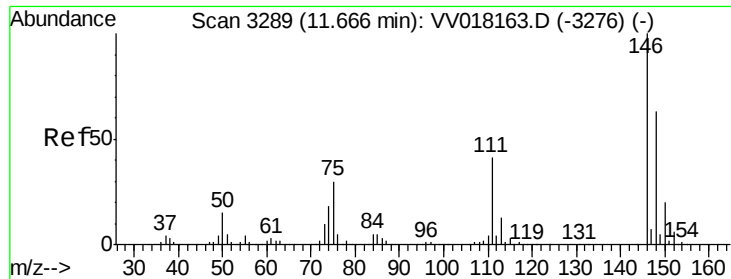
Ion Ratio Lower Upper

146 100

111 38.7 27.1 50.3

148 64.8 45.4 84.2





#65

1,2-Dichlorobenzene

Concen: 48.839 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

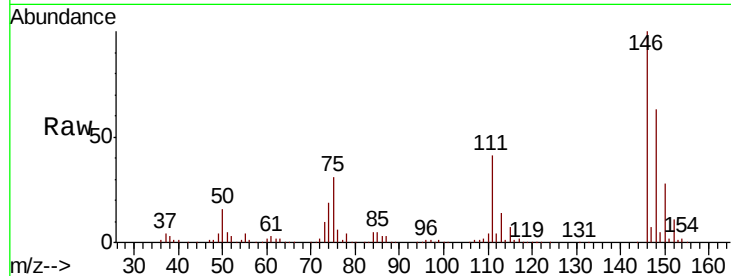
Tot Ion:146 Resp: 253805

Ion Ratio Lower Upper

146 100

111 41.0 32.8 49.2

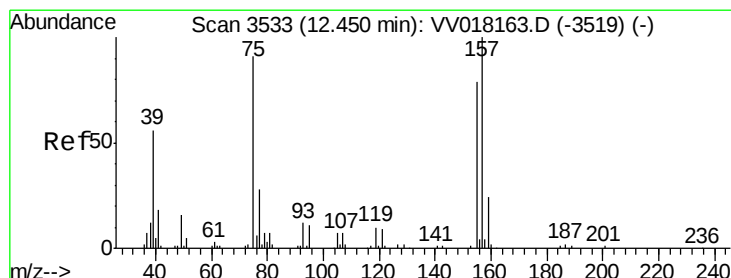
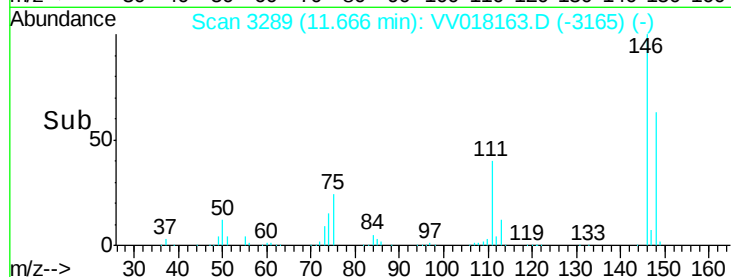
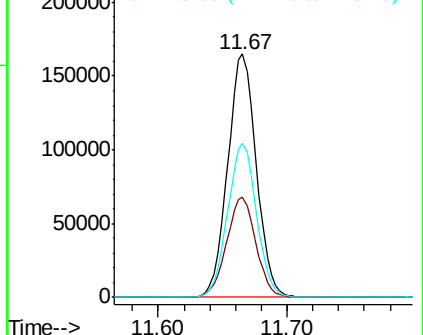
148 63.4 50.7 76.1



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: 48.655 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

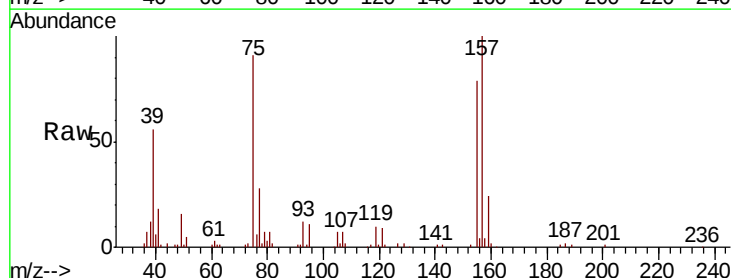
Tgt Ion: 75 Resp: 36376

Ion Ratio Lower Upper

75 100

155 87.1 69.7 104.5

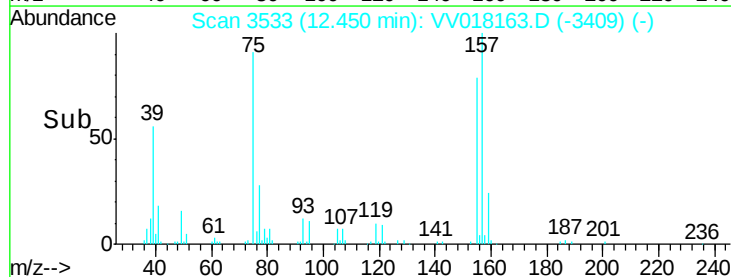
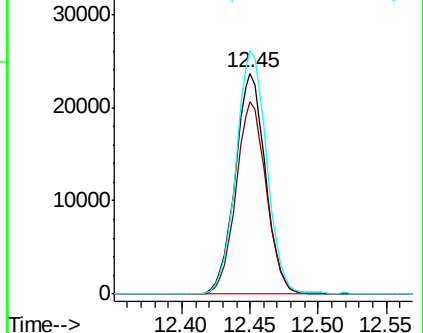
157 110.3 88.2 132.4

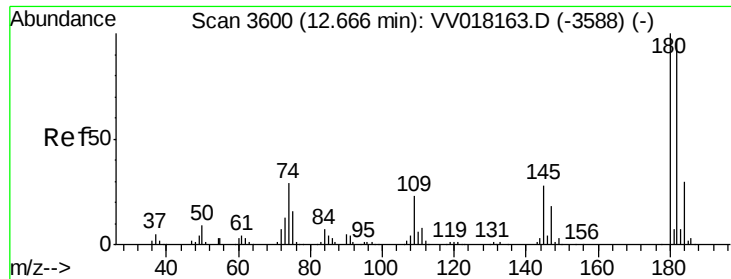


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

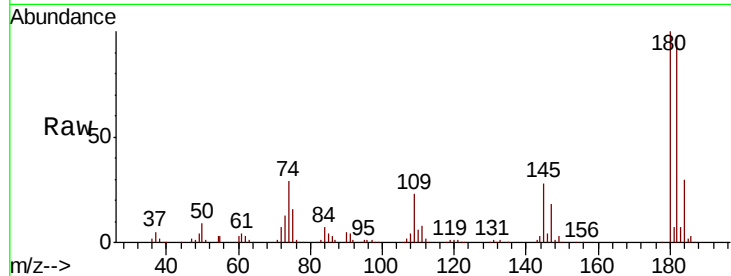




#67
 1,3,5-Trichlorobenzene
 Concen: 51.798 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV018163.D
 Acq: 09 Sep 2020 10:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
184	30.7	24.6	36.8
145	28.4	22.7	34.1



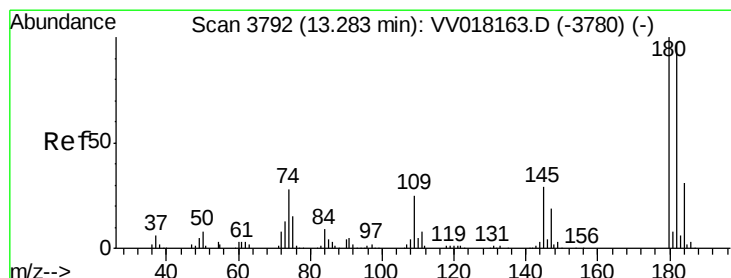
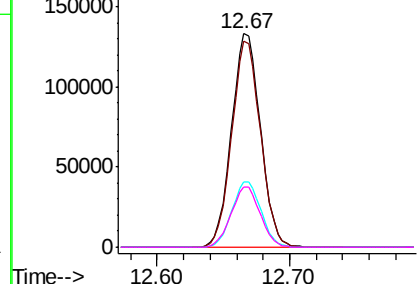
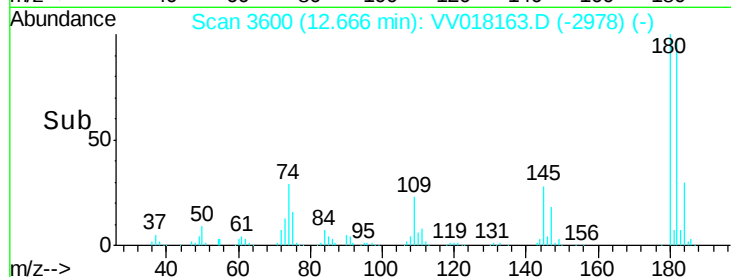
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

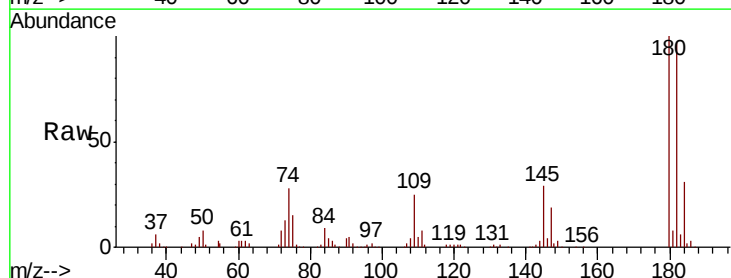
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.776 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018163.D
 Acq: 09 Sep 2020 10:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.4	116.2
145	29.0	23.2	34.8

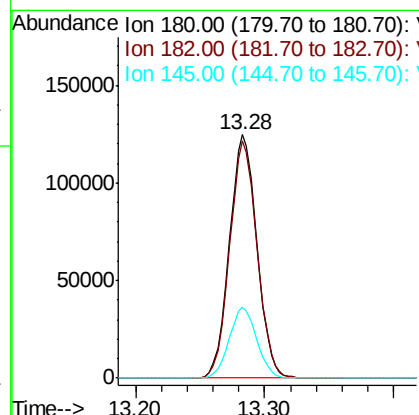
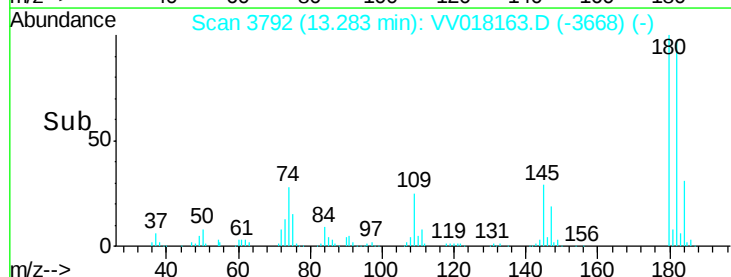


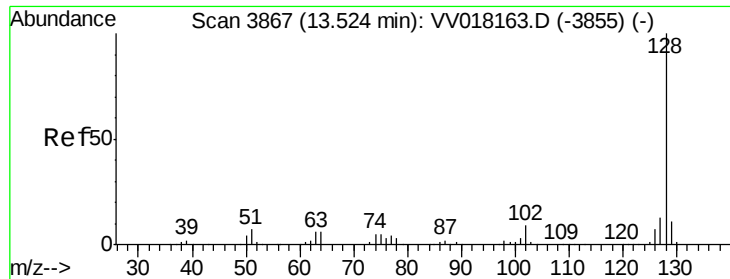
Abundance

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: 53.444 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

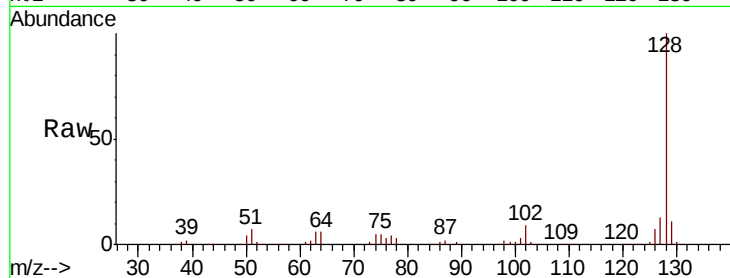
Tot Ion:128 Resp: 492349

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

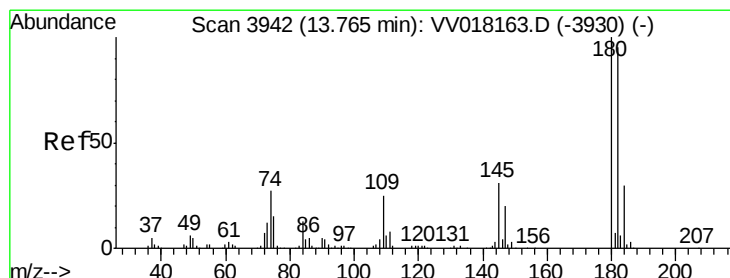
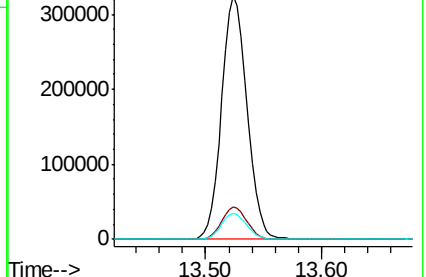
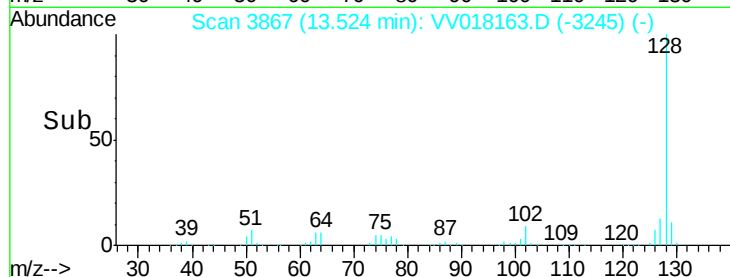
129 10.8 8.6 13.0



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: 53.346 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV018163.D

Acq: 09 Sep 2020 10:59

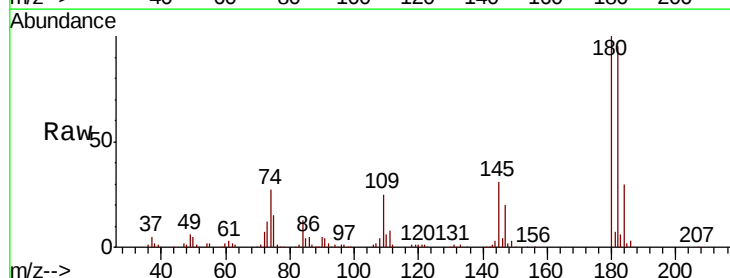
Tgt Ion:180 Resp: 184466

Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

145 31.1 24.9 37.3



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

