

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072020\
 Data File : VV017538.D
 Acq On : 20 Jul 2020 12:10
 Operator : SY/MD
 Sample : VSTD01066
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

Quant Time: Jul 20 17:46:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 20 17:41:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	307411	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	283835	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	140261	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	16402	10.10	ug/L	0.00
7) Chloroethane-d5	1.58	69	13585	11.53	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	40204	10.95	ug/L	0.00
21) 2-Butanone-d5	3.92	46	21222	19.19	ug/L	0.02
24) Chloroform-d	4.38	84	38490	10.40	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	25438	10.01	ug/L	0.00
32) Benzene-d6	5.08	84	63995	10.55	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	19334	11.03	ug/L	0.00
41) Toluene-d8	7.34	98	58381	10.02	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	11026	10.65	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	16111	21.56	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	24589	9.83	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	24377	10.43	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	27763	8.604 ug/L	98
3) Chloromethane	1.25	50	23442	10.207 ug/L	97
5) Vinyl chloride	1.32	62	24136	10.167 ug/L	98
6) Bromomethane	1.53	94	15776	12.300 ug/L	100
8) Chloroethane	1.60	64	13640	10.879 ug/L	98
9) Trichlorofluoromethane	1.76	101	42370	9.654 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	22743	10.943 ug/L	97
12) 1,1-Dichloroethene	2.13	96	20181	10.751 ug/L	96
13) Acetone	2.19	43	27827	18.877 ug/L	94
14) Carbon disulfide	2.31	76	52392	9.496 ug/L	99
15) Methyl Acetate	2.45	43	19530	9.943 ug/L	99
16) Methylene chloride	2.52	84	22707	10.637 ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	19735	10.028 ug/L	93
18) Methyl tert-butyl Ether	2.78	73	68139	10.102 ug/L	99
19) 1,1-Dichloroethane	3.21	63	37159	10.144 ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	21490	10.055 ug/L	94
22) 2-Butanone	4.01	43	23516	16.536 ug/L	94
23) Bromochloromethane	4.28	128	12258	10.267 ug/L	92
25) Chloroform	4.41	83	40646	9.848 ug/L	97
27) 1,2-Dichloroethane	5.16	62	33901	9.393 ug/L	97
29) Cyclohexane	4.70	56	27909	9.627 ug/L #	97
30) 1,1,1-Trichloroethane	4.63	97	39183	10.118 ug/L	95
31) Carbon tetrachloride	4.86	117	36030	10.192 ug/L	98
33) Benzene	5.13	78	79059	10.654 ug/L	100
34) Trichloroethene	5.94	95	21612	9.888 ug/L	97
35) Methylcyclohexane	6.16	83	30527	9.556 ug/L	98
37) 1,2-Dichloropropane	6.20	63	19371	10.642 ug/L	100
38) Bromodichloromethane	6.53	83	30338	10.147 ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	31260	9.978 ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	52600	20.724 ug/L	96

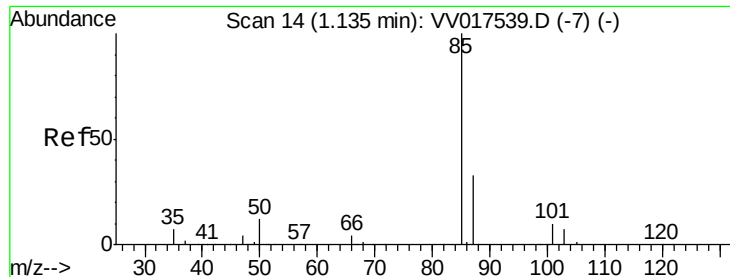
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	82866	10.008	ug/L	100
44) trans-1,3-Dichloropropene	7.68	75	32791	10.118	ug/L	96
45) 1,1,2-Trichloroethane	7.86	97	21155	10.609	ug/L	99
46) Tetrachloroethene	8.00	164	17577	9.475	ug/L	94
48) 2-Hexanone	8.16	43	38938	18.959	ug/L	95
49) Dibromochloromethane	8.27	129	24969	9.975	ug/L	98
50) 1,2-Dibromoethane	8.38	107	21871	9.988	ug/L	97
51) Chlorobenzene	8.90	112	55852	9.869	ug/L	98
52) Ethylbenzene	9.03	91	90062	9.470	ug/L	97
53) m,p-Xylene	9.16	106	32396	9.115	ug/L	99
54) o-xylene	9.57	106	31563	9.173	ug/L	99
55) Styrene	9.58	104	54153	9.050	ug/L	96
56) Isopropylbenzene	9.95	105	86233	9.017	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	28934	9.794	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	25137	9.840	ug/L	95
61) Bromoform	9.75	173	17587	10.330	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	43963	10.107	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	44115	9.944	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	45634	10.468	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	9124	12.592	ug/L	87
67) 1,3,5-Trichlorobenzene	12.67	180	34284	10.347	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	29651	10.163	ug/L	99
69) Naphthalene	13.53	128	79081	9.737	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	29422	9.973	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 8.604 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

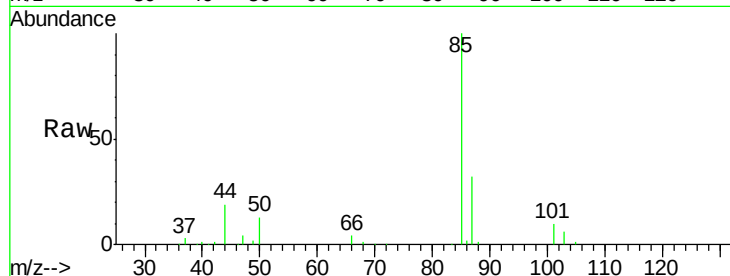
VSTD01066

Tgt Ion: 85 Resp: 27763

Ion Ratio Lower Upper

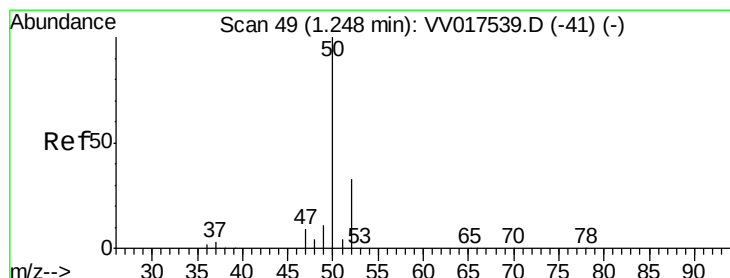
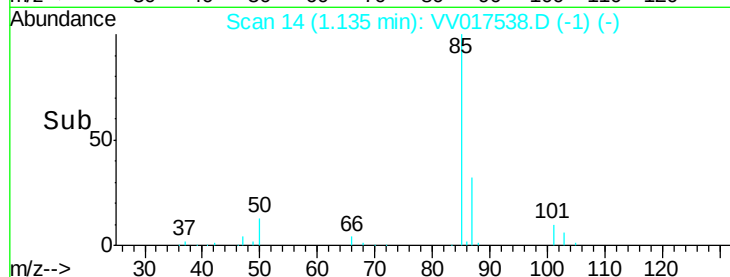
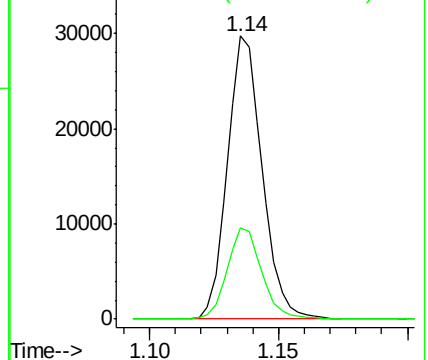
85 100

87 32.1 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 10.207 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV017538.D

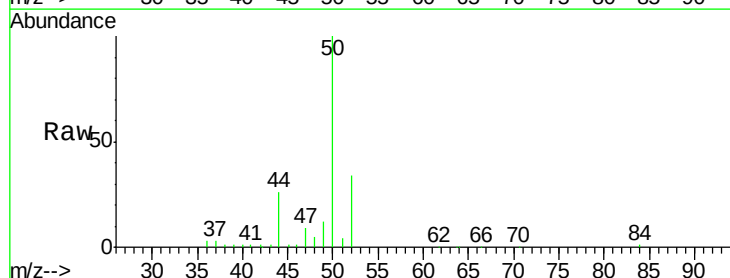
Acq: 20 Jul 2020 12:10

Tgt Ion: 50 Resp: 23442

Ion Ratio Lower Upper

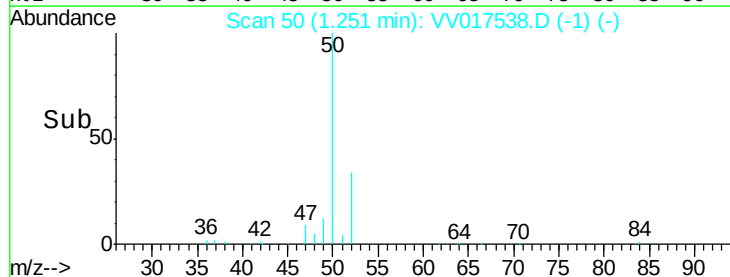
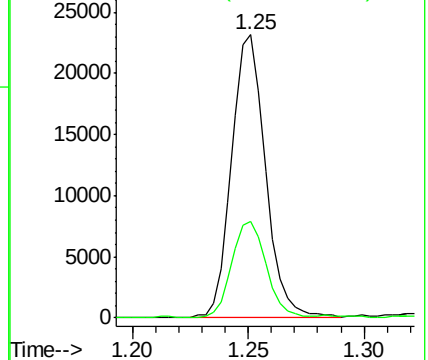
50 100

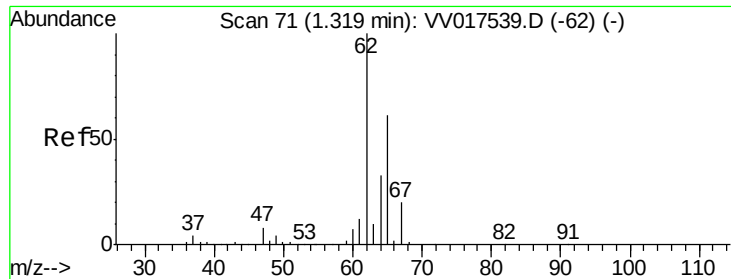
52 34.2 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 10.167 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

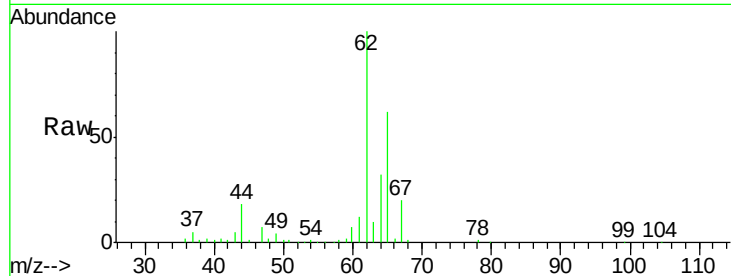
VSTD01066

Tgt Ion: 62 Resp: 24136

Ion Ratio Lower Upper

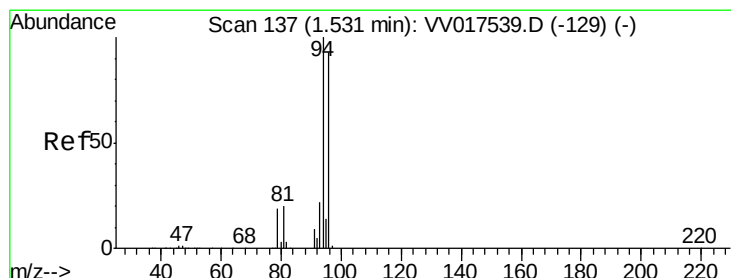
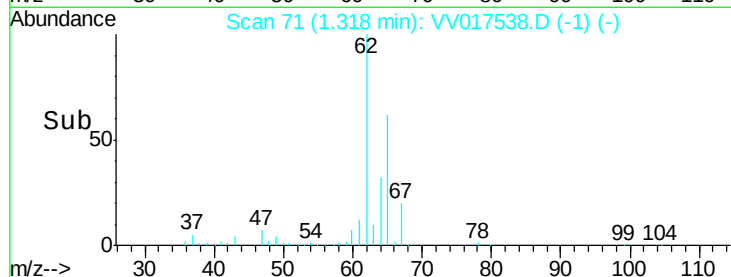
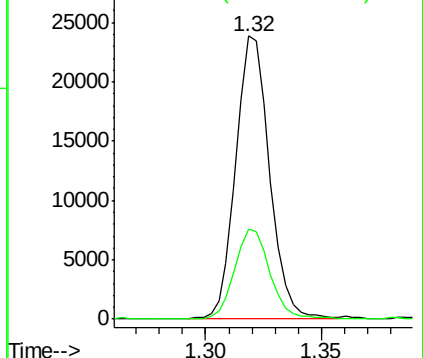
62 100

64 31.9 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 12.300 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV017538.D

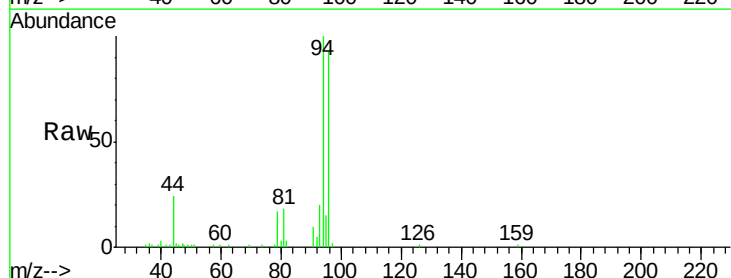
Acq: 20 Jul 2020 12:10

Tgt Ion: 94 Resp: 15776

Ion Ratio Lower Upper

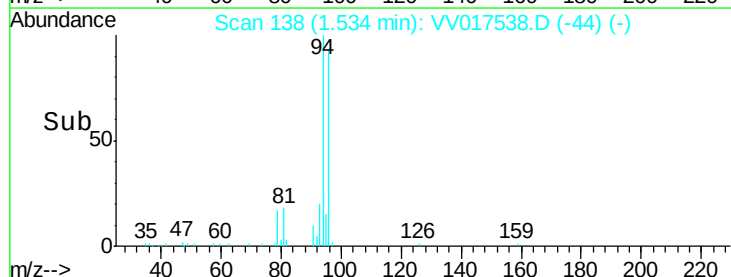
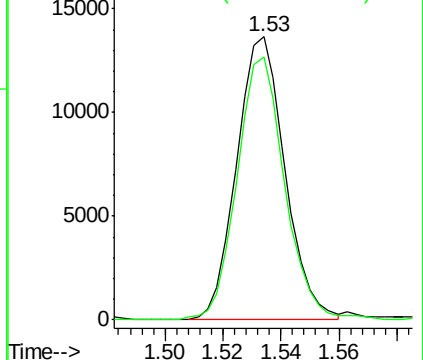
94 100

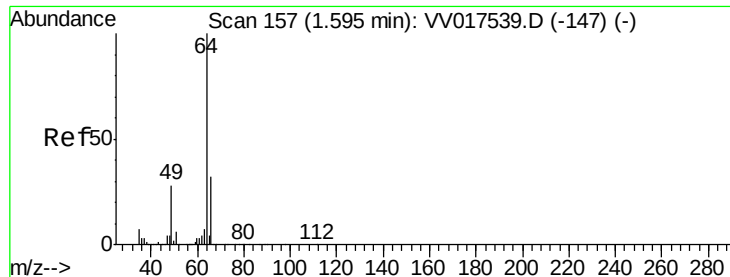
96 93.1 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

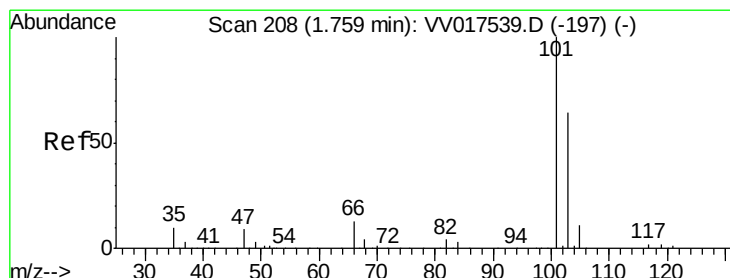
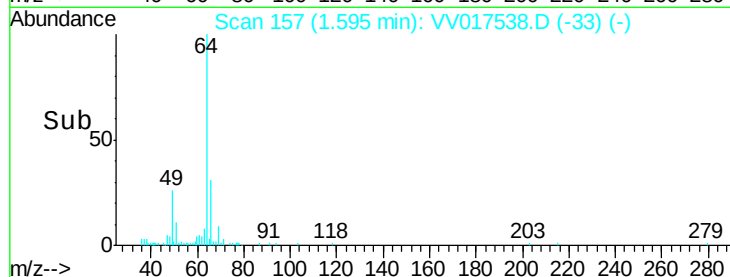
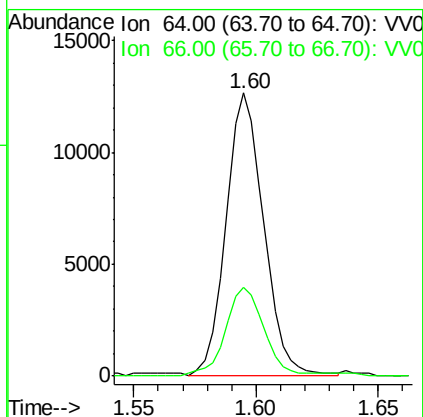
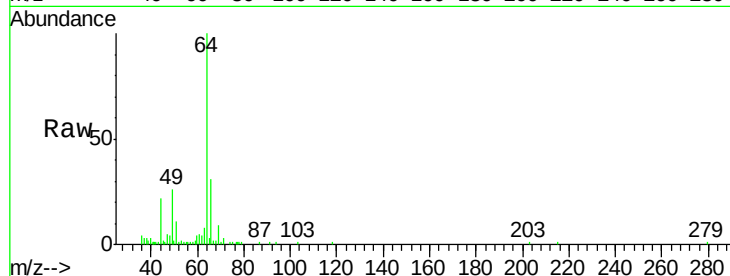




#8
Chloroethane
Concen: 10.879 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV017538.D
Acq: 20 Jul 2020 12:10

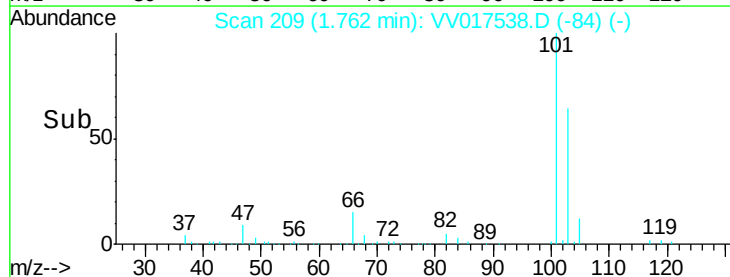
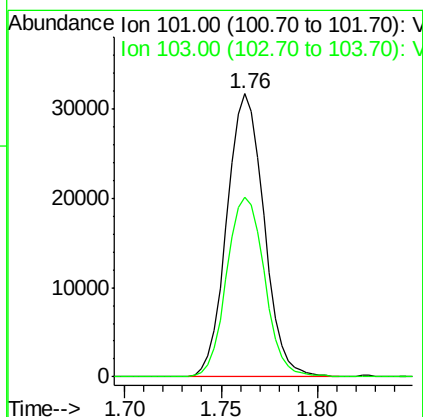
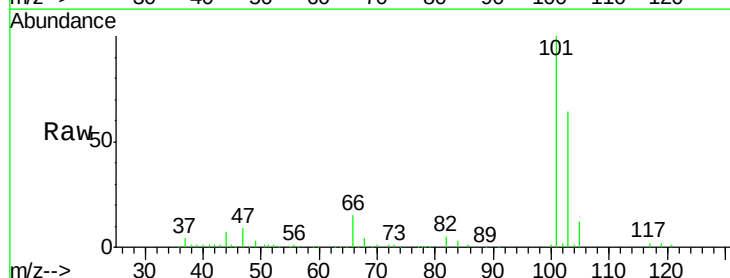
Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

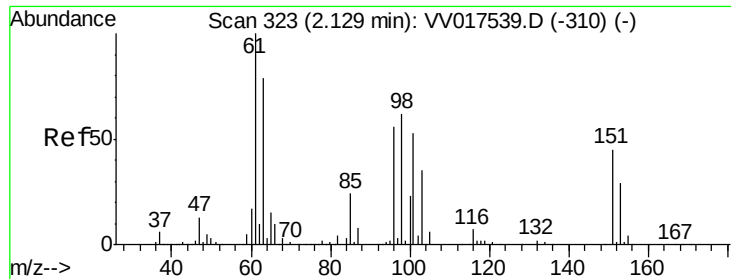
Tgt Ion: 64 Resp: 13640
Ion Ratio Lower Upper
64 100
66 31.3 22.8 42.4



#9
Trichlorofluoromethane
Concen: 9.654 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV017538.D
Acq: 20 Jul 2020 12:10

Tgt Ion: 101 Resp: 42370
Ion Ratio Lower Upper
101 100
103 64.7 51.2 76.8





#10

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

Concen: 10.943 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

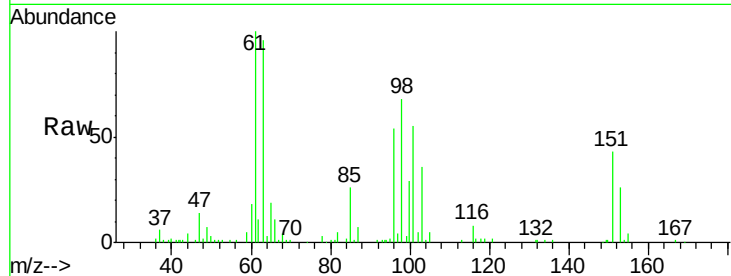
Tgt Ion: 101 Resp: 22743

Ion Ratio Lower Upper

101 100

85 46.4 36.2 54.4

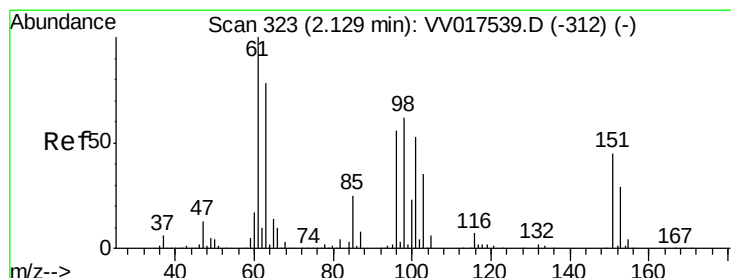
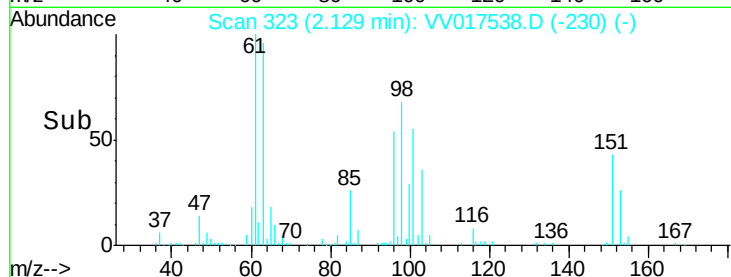
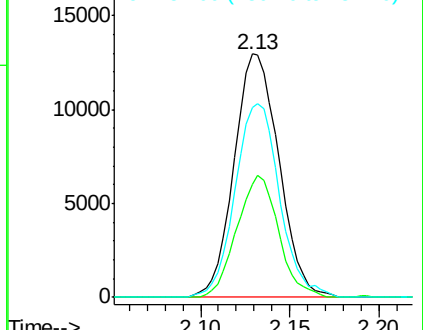
151 78.9 65.9 98.9



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: 10.751 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

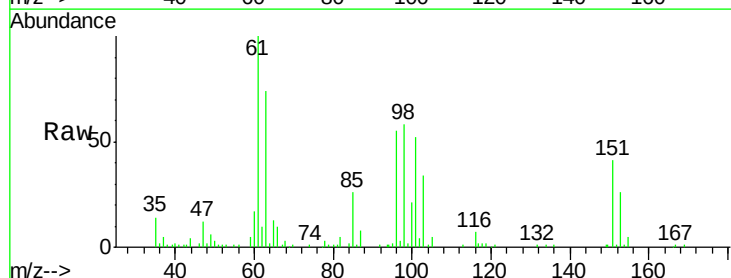
Tgt Ion: 96 Resp: 20181

Ion Ratio Lower Upper

96 100

61 183.2 126.0 234.0

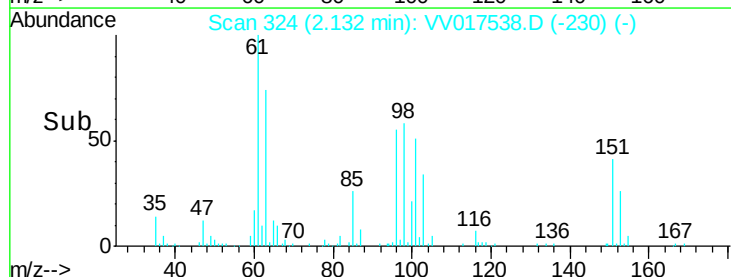
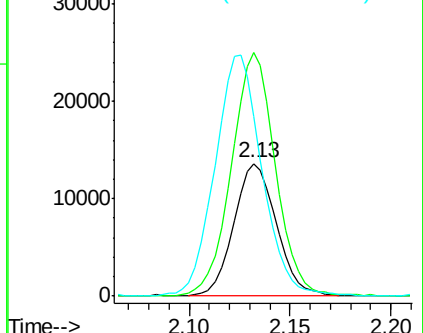
63 135.1 99.8 185.4

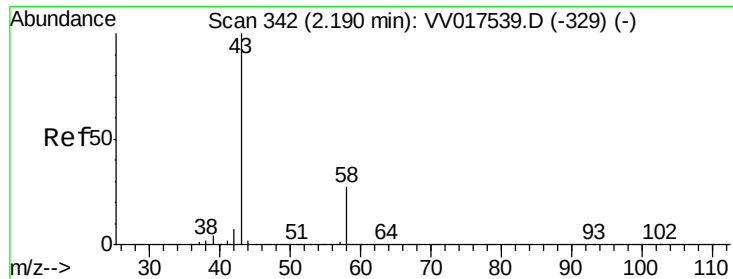


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 18.877 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

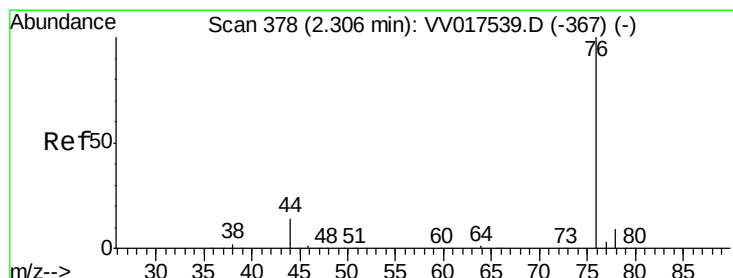
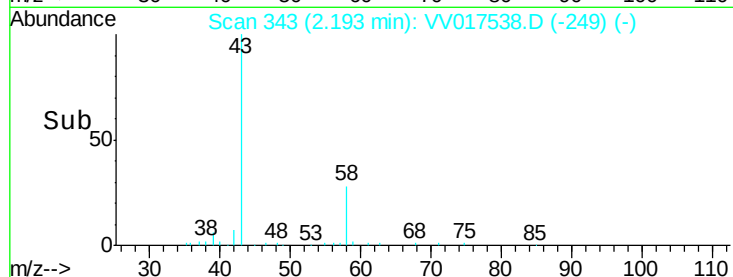
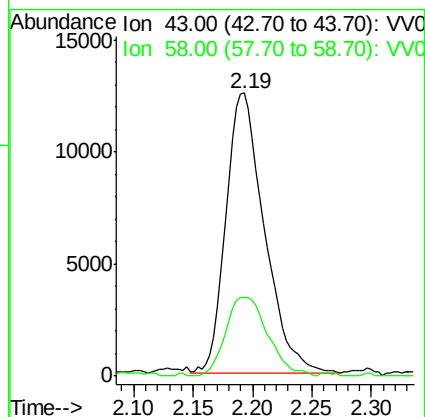
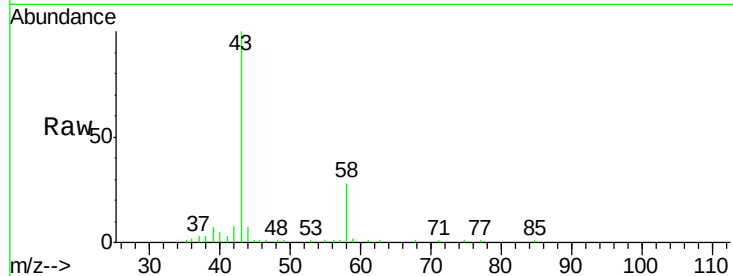
VSTD01066

Tgt Ion: 43 Resp: 27827

Ion Ratio Lower Upper

43 100

58 31.0 0.0 56.0



#14

Carbon disulfide

Concen: 9.496 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017538.D

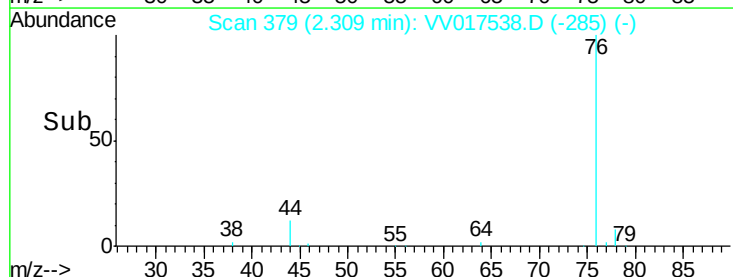
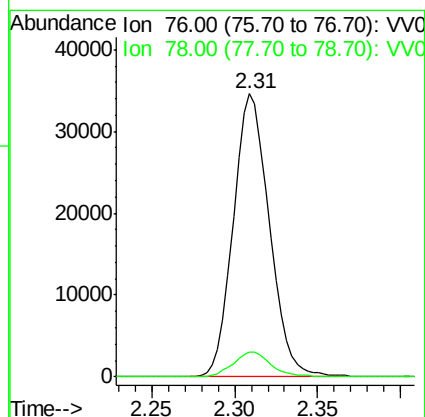
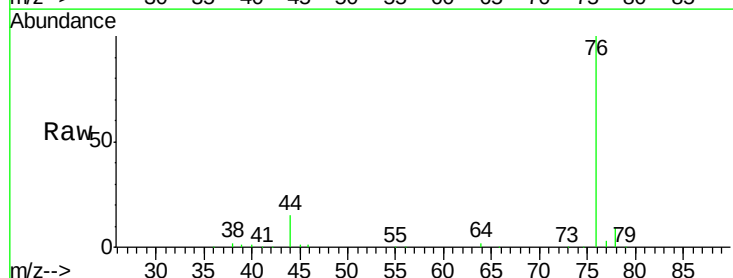
Acq: 20 Jul 2020 12:10

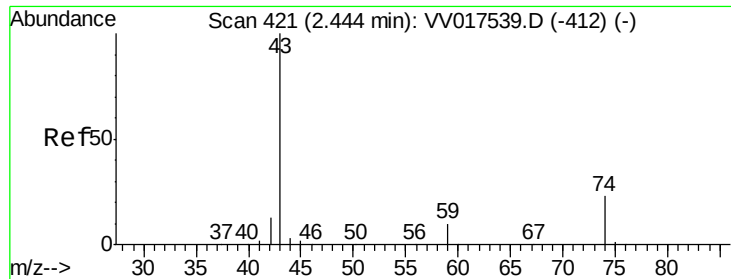
Tgt Ion: 76 Resp: 52392

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

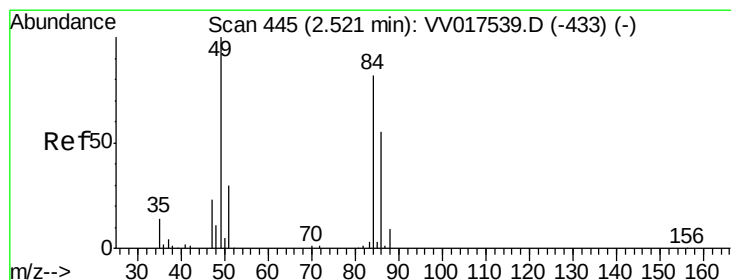
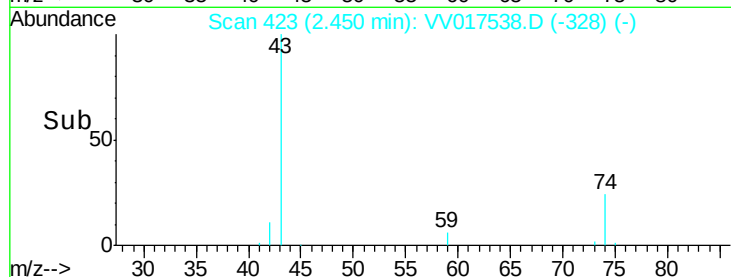
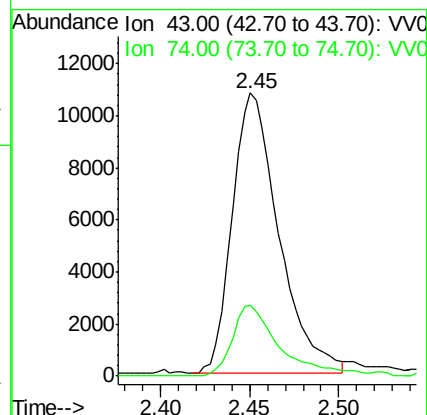
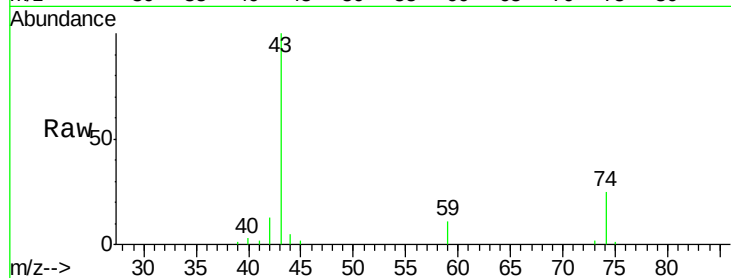




#15
Methyl Acetate
Concen: 9.943 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV017538.D
Acq: 20 Jul 2020 12:10

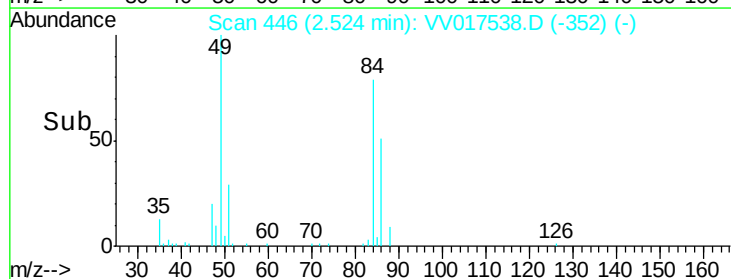
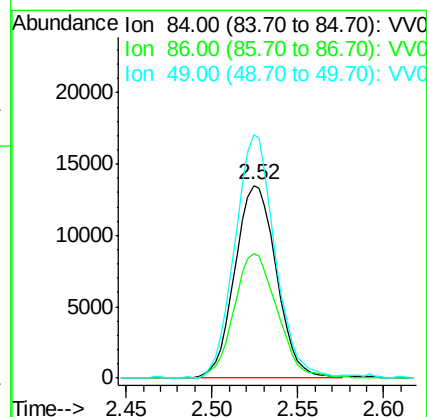
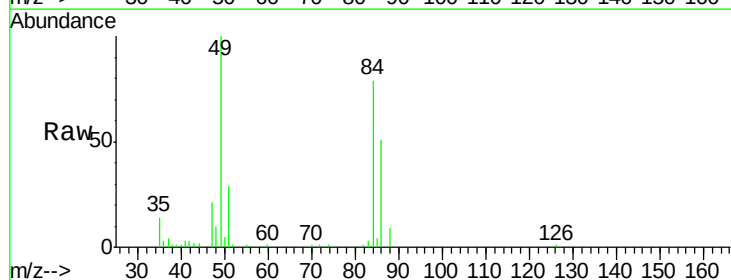
Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

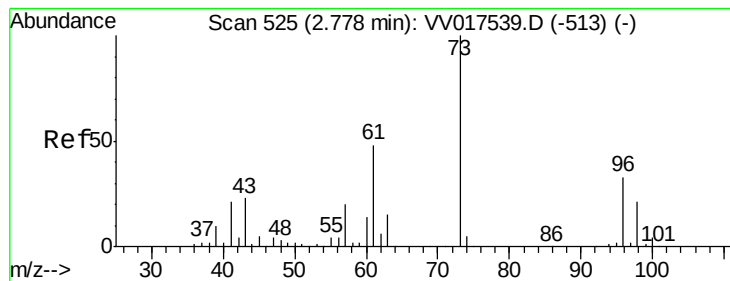
Tgt Ion: 43 Resp: 19530
Ion Ratio Lower Upper
43 100
74 24.9 20.3 30.5



#16
Methylene chloride
Concen: 10.637 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017538.D
Acq: 20 Jul 2020 12:10

Tgt Ion: 84 Resp: 22707
Ion Ratio Lower Upper
84 100
86 64.9 47.1 87.5
49 126.4 85.8 159.4





#17

trans-1,2-Dichloroethene

Concen: 10.028 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

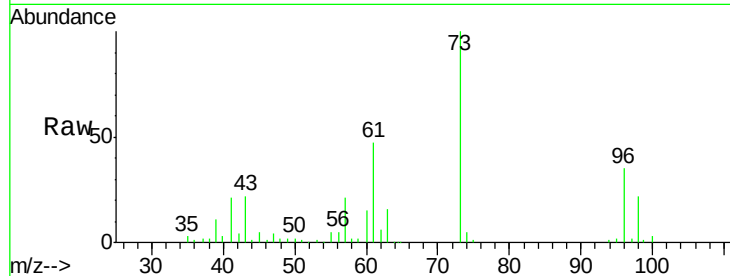
Tgt Ion: 96 Resp: 19735

Ion Ratio Lower Upper

96 100

61 134.0 100.4 186.6

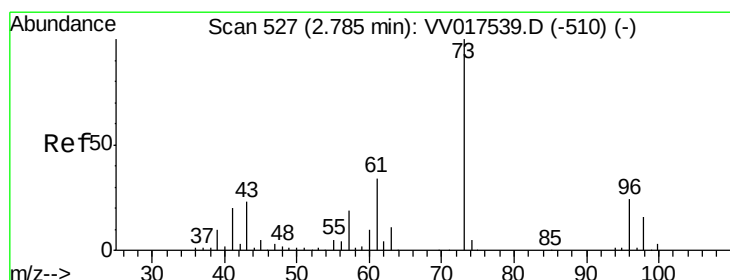
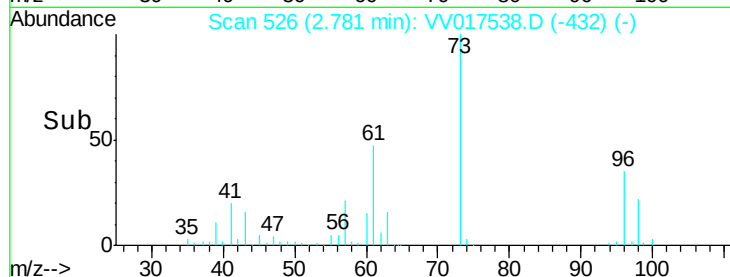
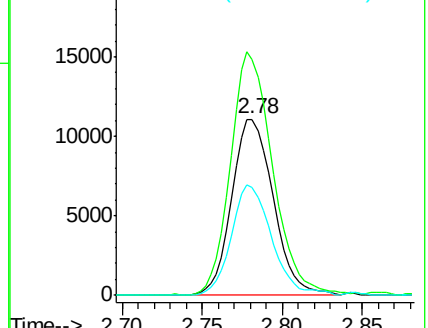
98 60.9 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 10.102 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

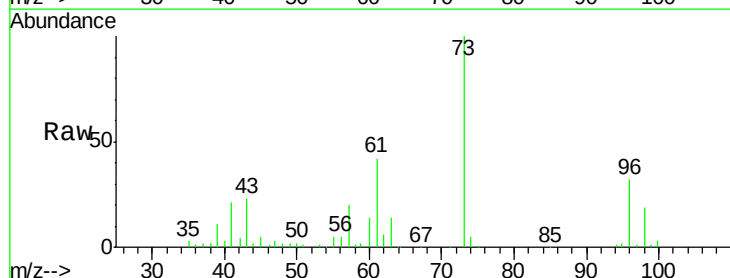
Tgt Ion: 73 Resp: 68139

Ion Ratio Lower Upper

73 100

43 22.7 18.1 27.1

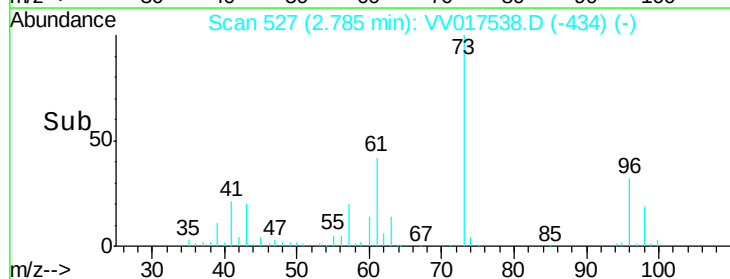
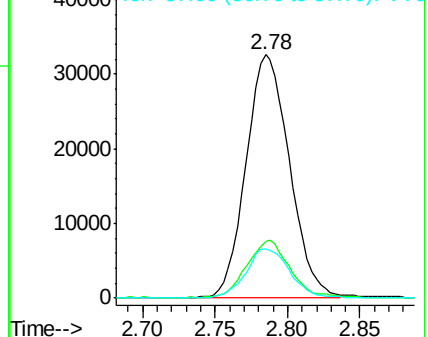
57 20.4 15.8 23.8

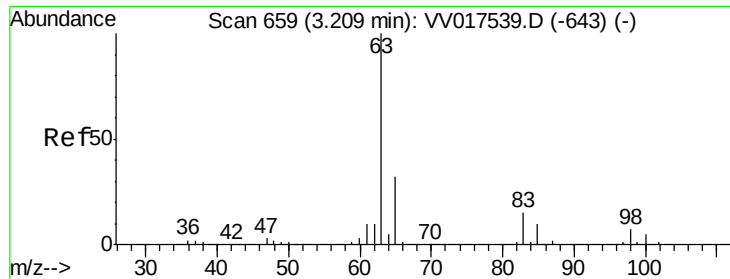


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

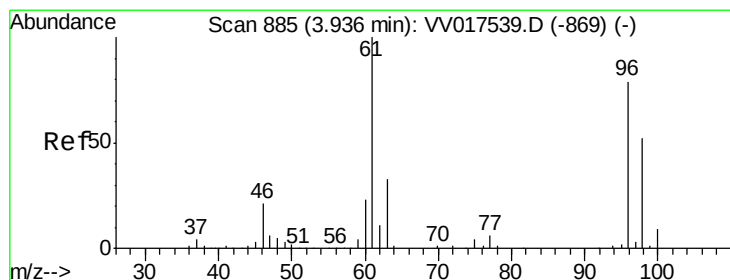
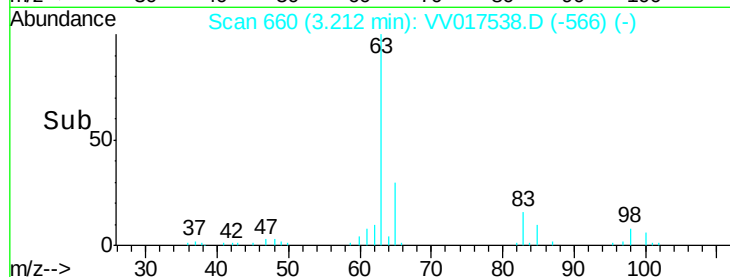
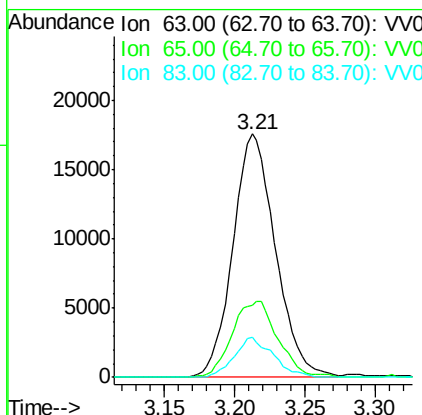
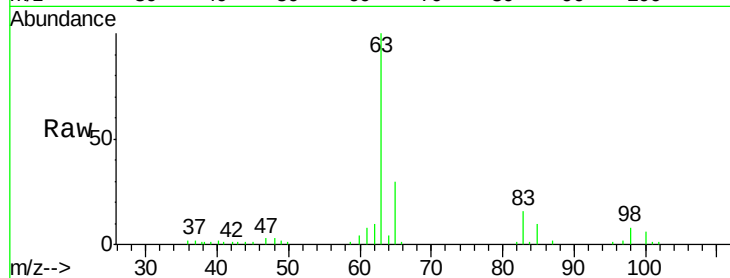




#19
 1,1-Dichloroethane
 Concen: 10.144 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV017538.D
 Acq: 20 Jul 2020 12:10

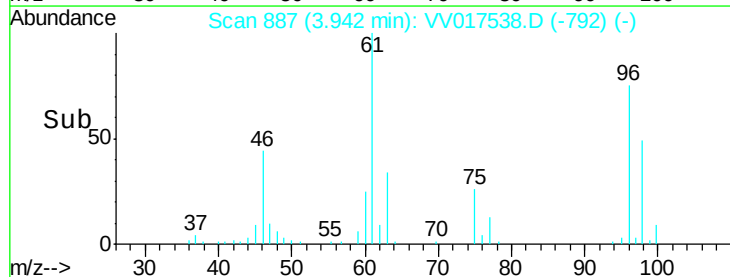
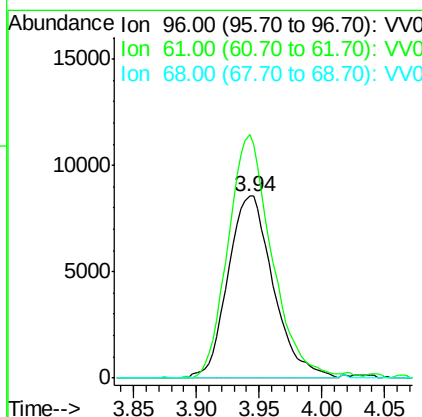
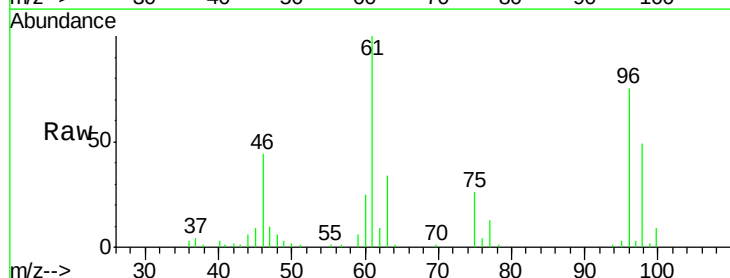
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

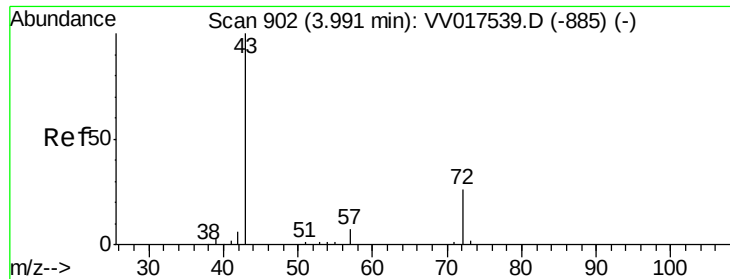
Tgt Ion: 63 Resp: 37159
 Ion Ratio Lower Upper
 63 100
 65 29.5 22.0 41.0
 83 16.3 10.1 18.9



#20
 cis-1,2-Dichloroethene
 Concen: 10.055 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV017538.D
 Acq: 20 Jul 2020 12:10

Tgt Ion: 96 Resp: 21490
 Ion Ratio Lower Upper
 96 100
 61 133.9 88.5 164.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 16.536 ug/L

RT: 4.01 min Scan# 907

Delta R.T. 0.02 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

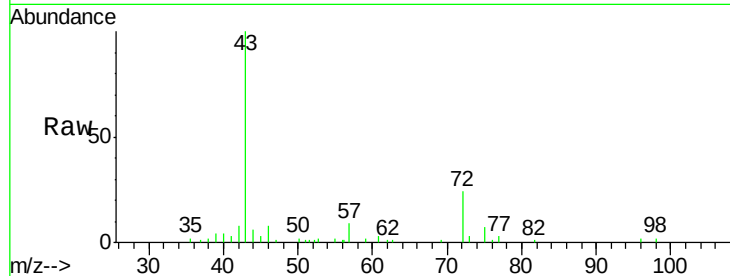
VSTD01066

Tgt Ion: 43 Resp: 23516

Ion Ratio Lower Upper

43 100

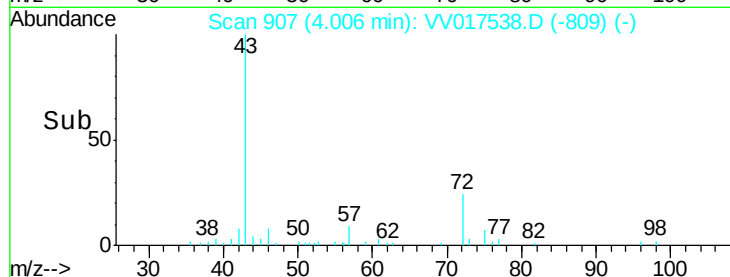
72 22.2 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV017538.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VV017538.D (-897) (-)

Time-->

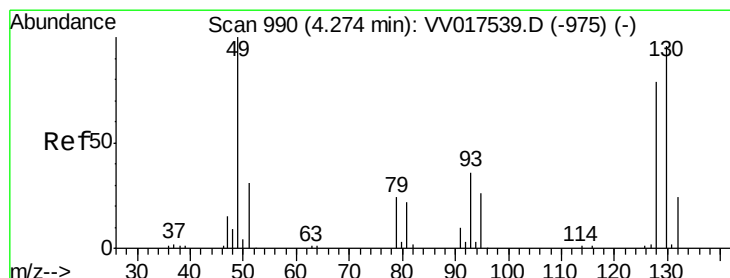


Abundance

Ion 43.00 (42.70 to 43.70): VV017538.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VV017538.D (-897) (-)

Time-->



#23

Bromochloromethane

Concen: 10.267 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.01 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

Tgt Ion: 128 Resp: 12258

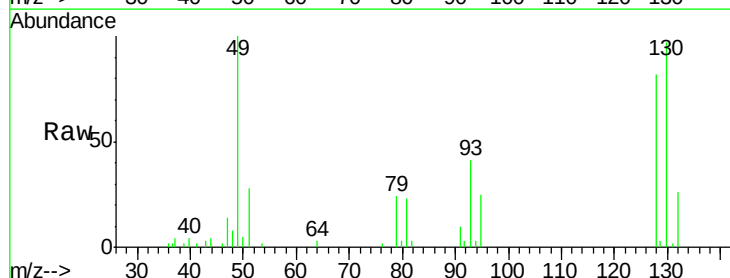
Ion Ratio Lower Upper

128 100

49 117.7 89.3 165.9

130 114.3 84.9 157.7

51 33.1 31.9 47.9



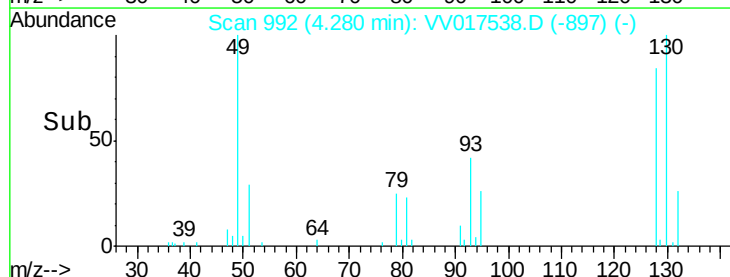
Abundance Ion 128.00 (127.70 to 128.70): VV017538.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV017538.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV017538.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV017538.D (-897) (-)

Time-->



Abundance

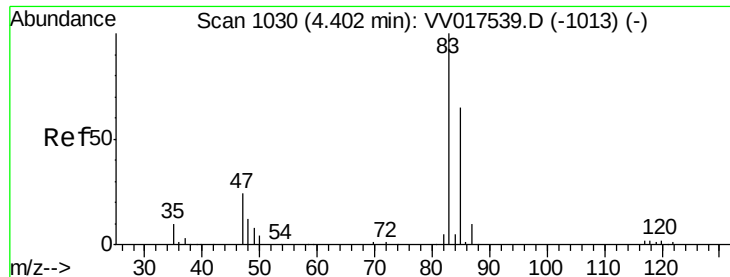
Ion 128.00 (127.70 to 128.70): VV017538.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV017538.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV017538.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV017538.D (-897) (-)

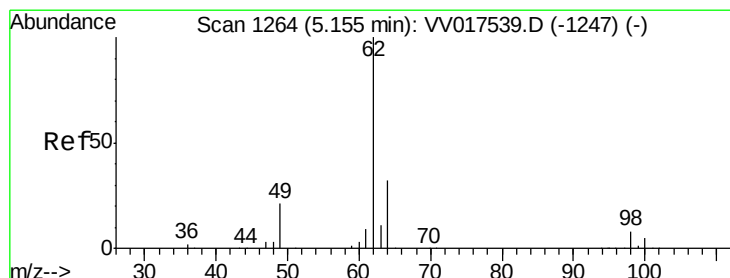
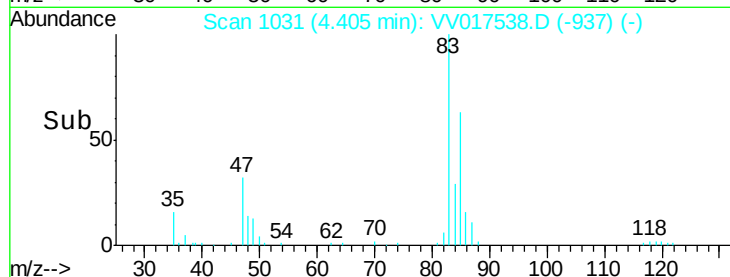
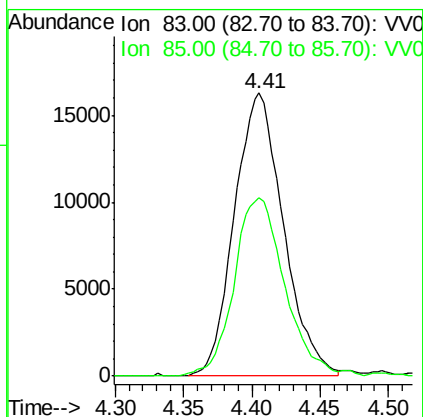
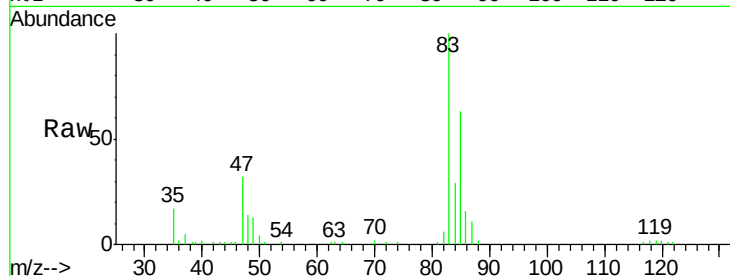
Time-->



#25
Chloroform
Concen: 9.848 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV017538.D
Acq: 20 Jul 2020 12:10

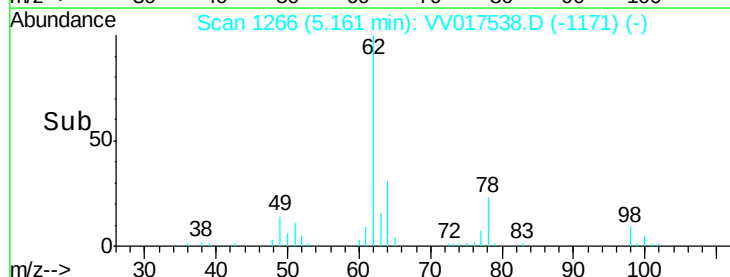
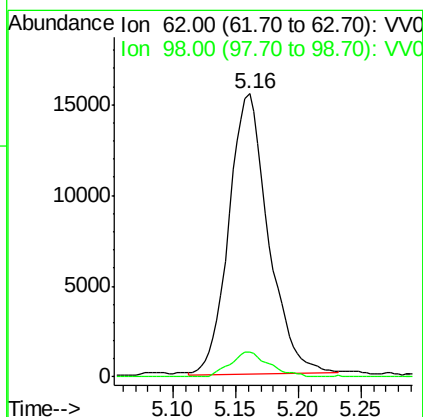
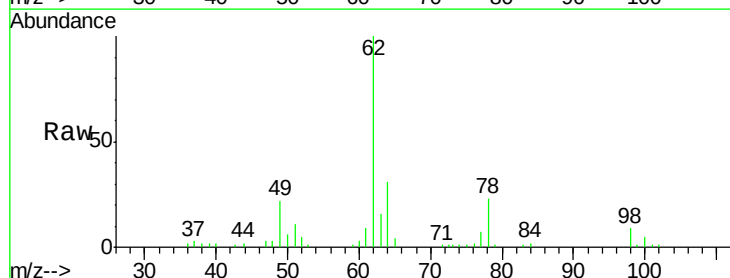
Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

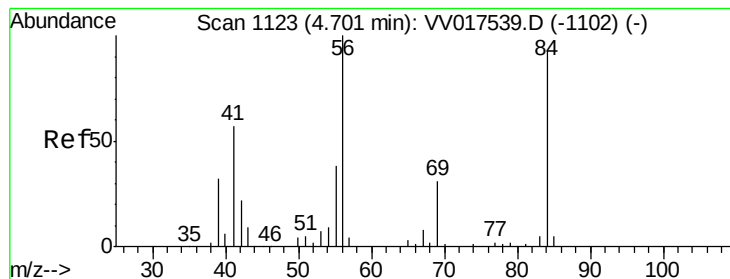
Tgt Ion: 83 Resp: 40646
Ion Ratio Lower Upper
83 100
85 63.2 46.1 85.7



#27
1,2-Dichloroethane
Concen: 9.393 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VV017538.D
Acq: 20 Jul 2020 12:10

Tgt Ion: 62 Resp: 33901
Ion Ratio Lower Upper
62 100
98 8.8 6.2 9.4





#29

Cyclohexane

Concen: 9.627 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

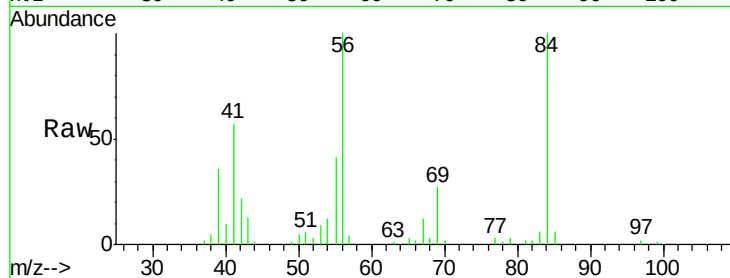
Tgt Ion: 56 Resp: 27909

Ion Ratio Lower Upper

56 100

69 18.7 0.0 0.0#

84 96.9 75.1 112.7

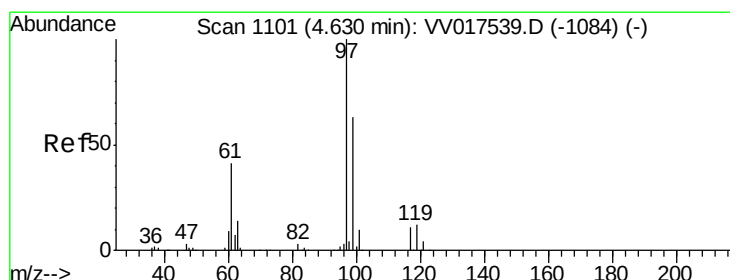
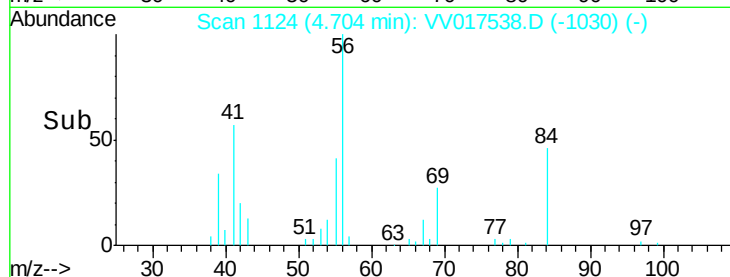
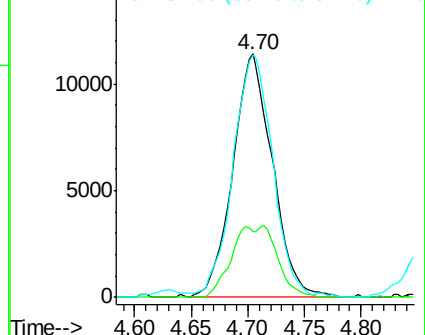


Abundance

Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 10.118 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

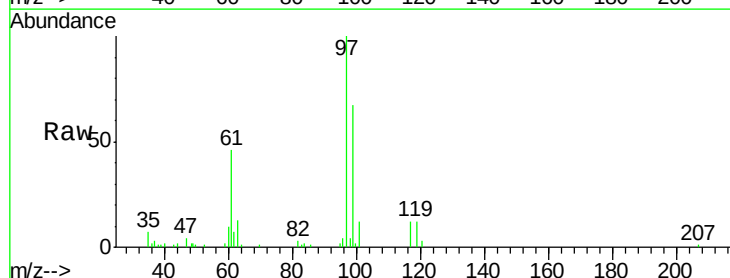
Tgt Ion: 97 Resp: 39183

Ion Ratio Lower Upper

97 100

99 67.0 50.5 75.7

61 45.1 34.1 51.1

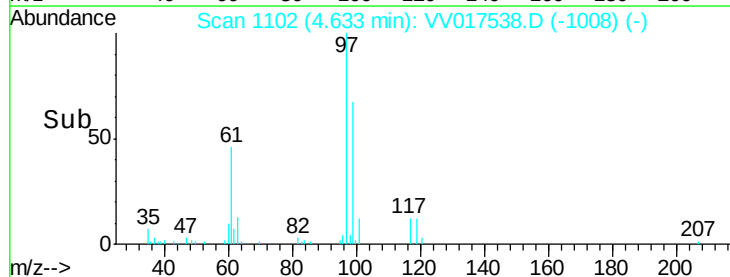
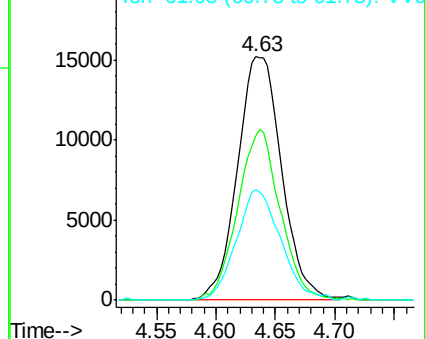


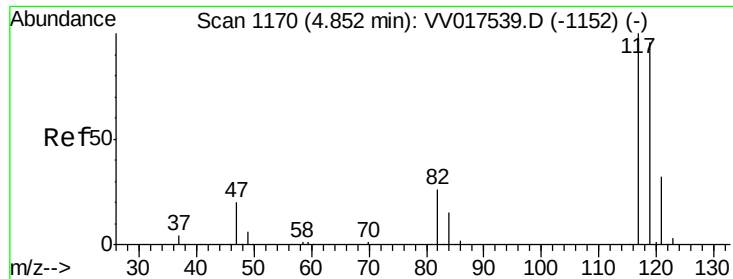
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 10.192 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

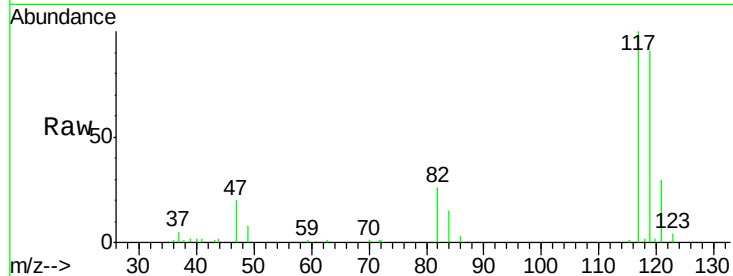
VSTD01066

Tgt Ion:117 Resp: 36030

Ion Ratio Lower Upper

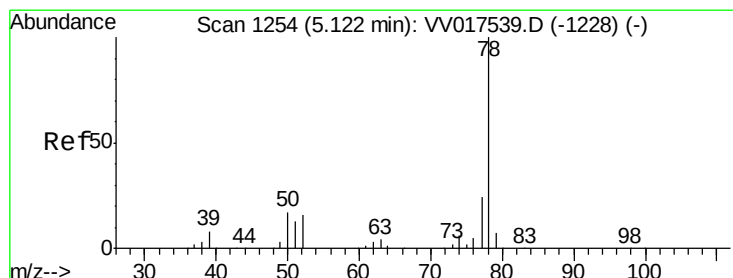
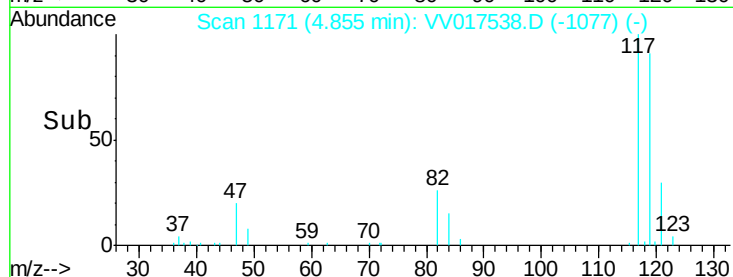
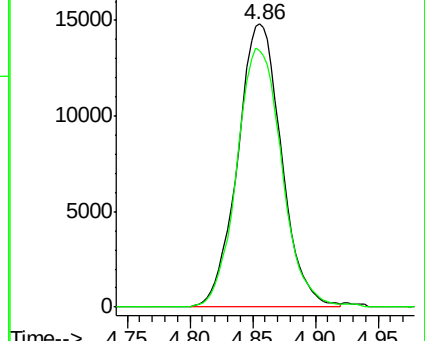
117 100

119 93.7 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 10.654 ug/L

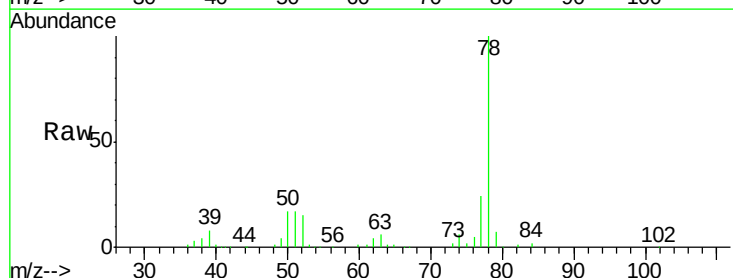
RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

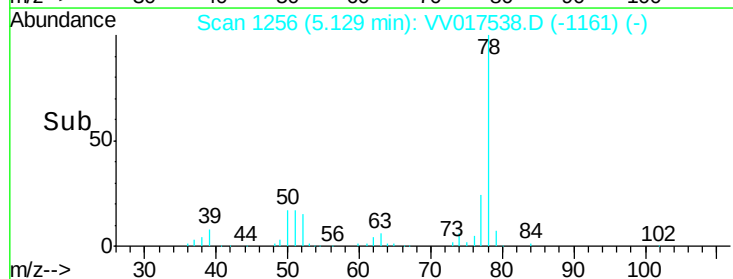
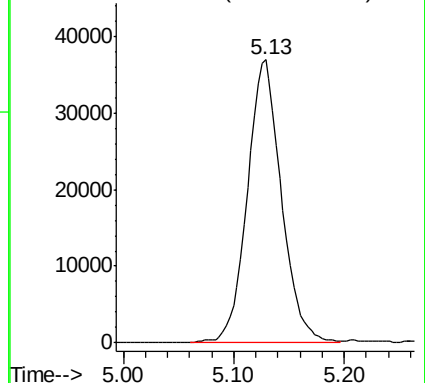
Lab File: VV017538.D

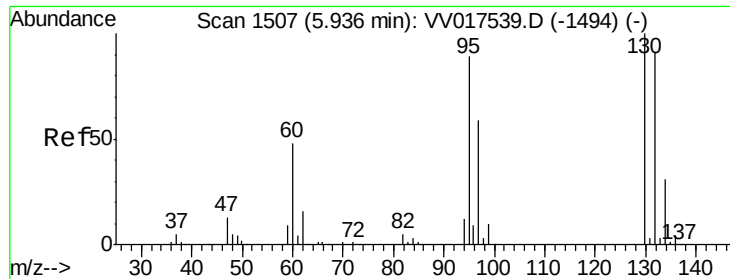
Acq: 20 Jul 2020 12:10

Tgt Ion: 78 Resp: 79059



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 9.888 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

Tgt Ion: 95 Resp: 21612

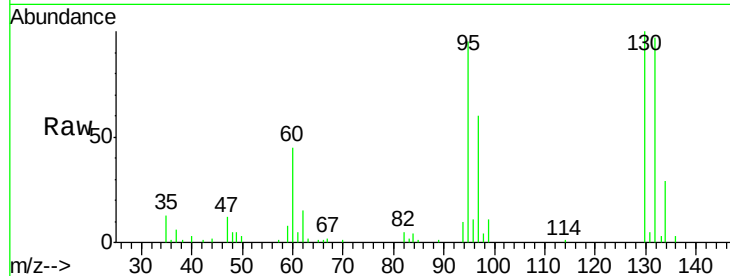
Ion Ratio Lower Upper

95 100

97 63.4 46.1 85.5

132 102.1 71.3 132.3

130 105.4 78.3 145.3

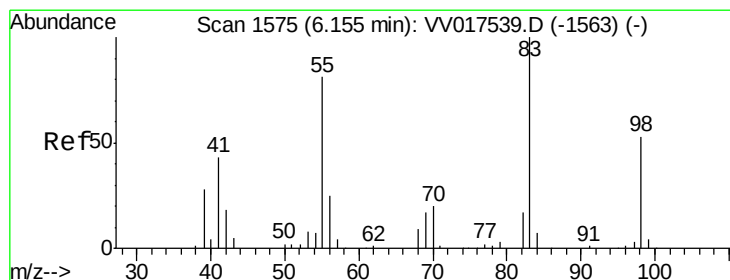
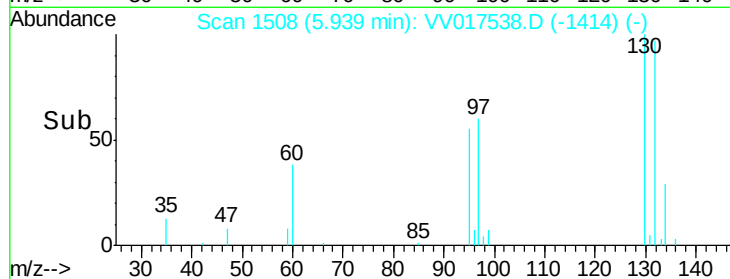
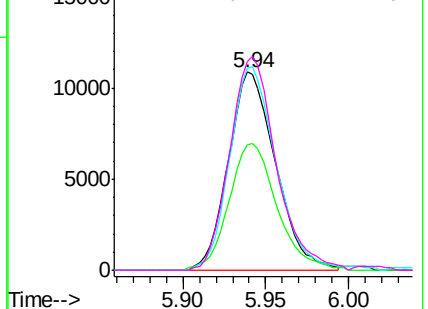


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 9.556 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

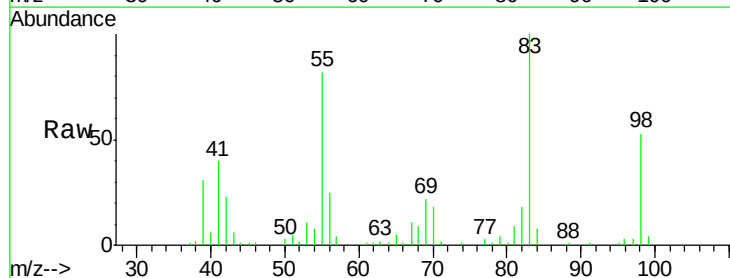
Tgt Ion: 83 Resp: 30527

Ion Ratio Lower Upper

83 100

55 77.9 60.7 91.1

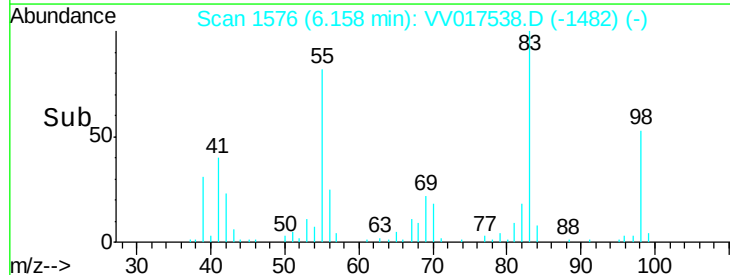
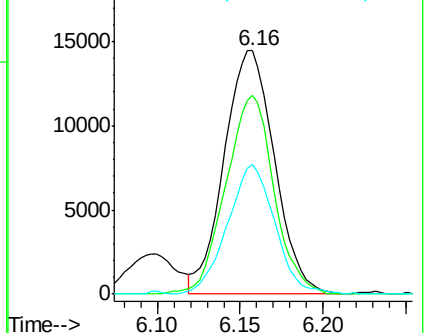
98 50.2 40.8 61.2

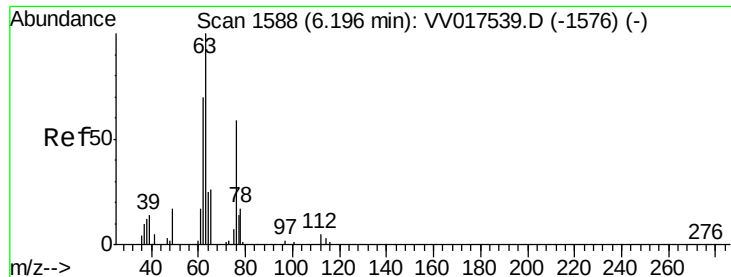


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

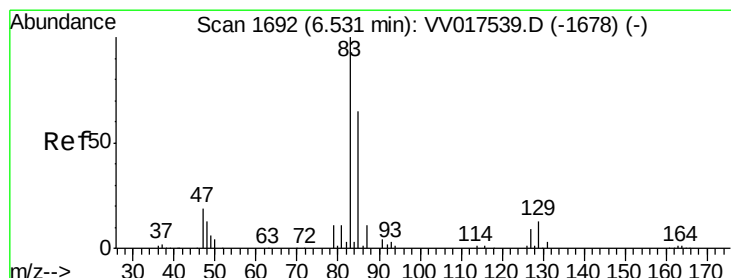
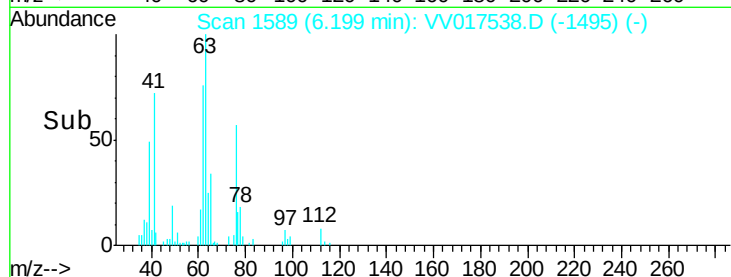
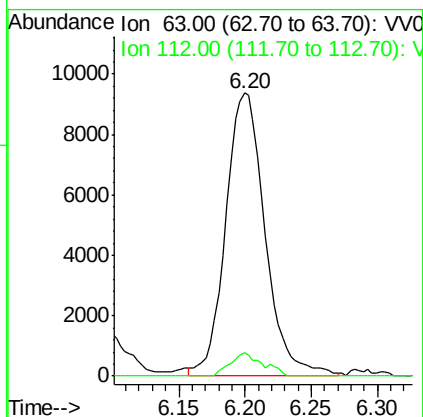
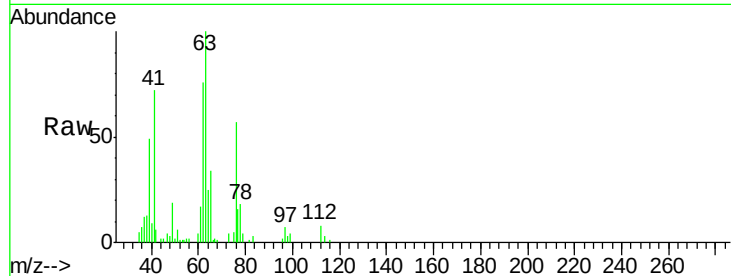




#37
 1,2-Dichloropropane
 Concen: 10.642 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV017538.D
 Acq: 20 Jul 2020 12:10

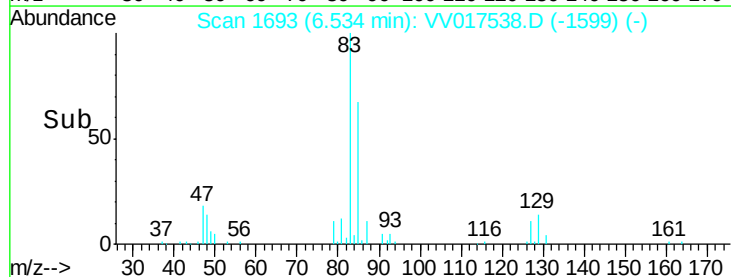
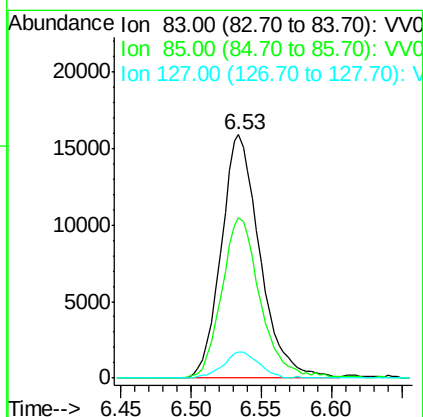
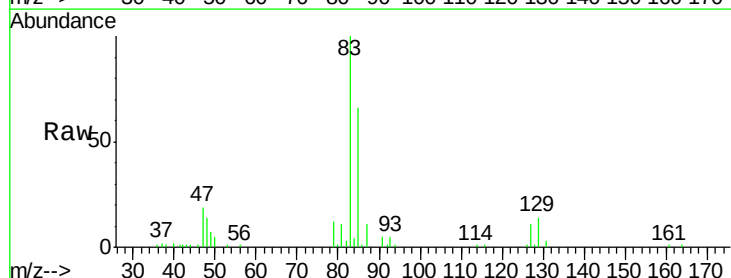
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

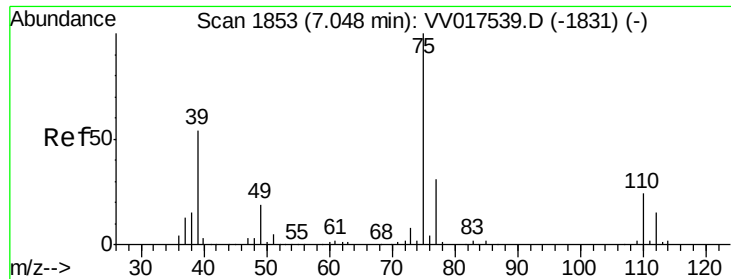
Tgt Ion: 63 Resp: 19371
 Ion Ratio Lower Upper
 63 100
 112 5.8 4.5 6.7



#38
 Bromodichloromethane
 Concen: 10.147 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017538.D
 Acq: 20 Jul 2020 12:10

Tgt Ion: 83 Resp: 30338
 Ion Ratio Lower Upper
 83 100
 85 65.9 45.4 84.4
 127 10.8 7.6 11.4

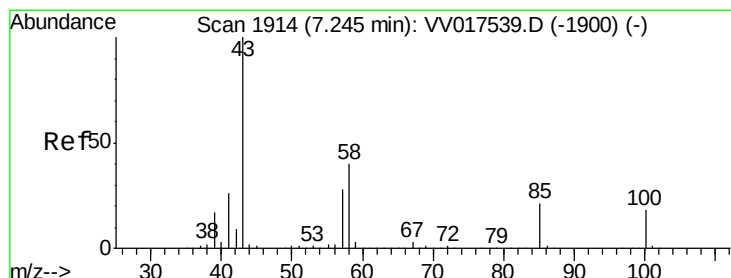
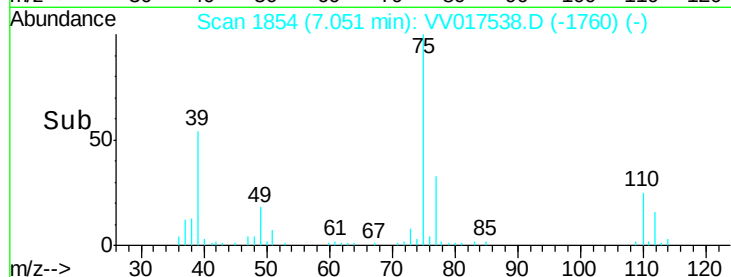
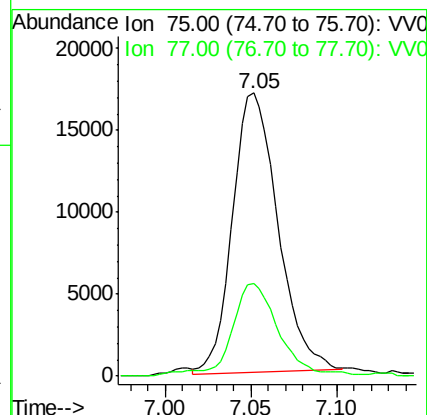
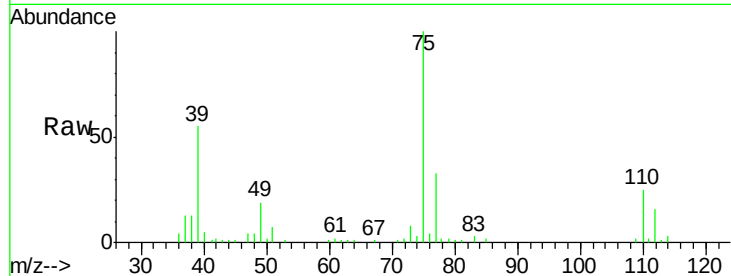




#39
 cis-1,3-Dichloropropene
 Concen: 9.978 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV017538.D
 Acq: 20 Jul 2020 12:10

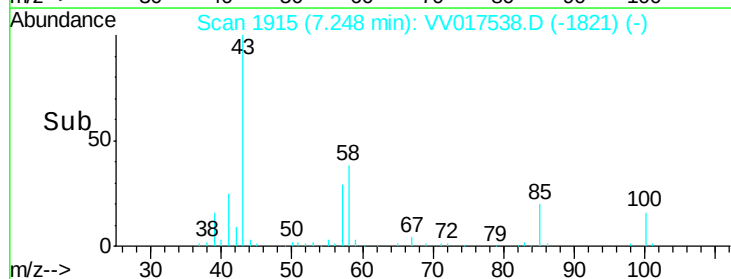
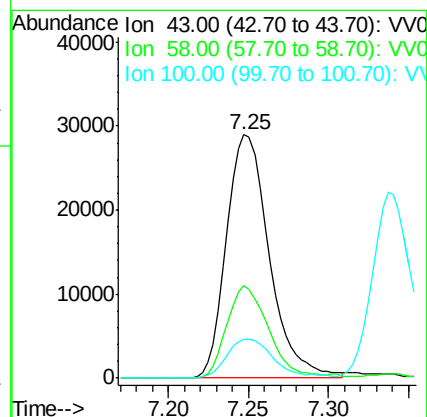
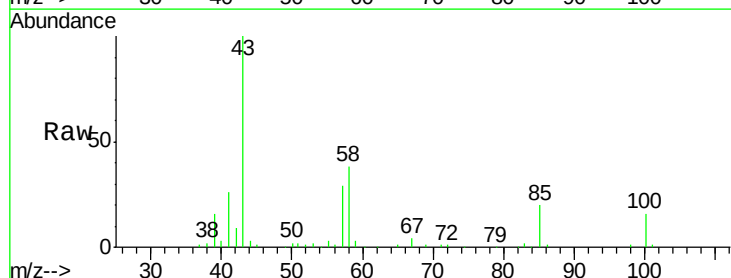
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

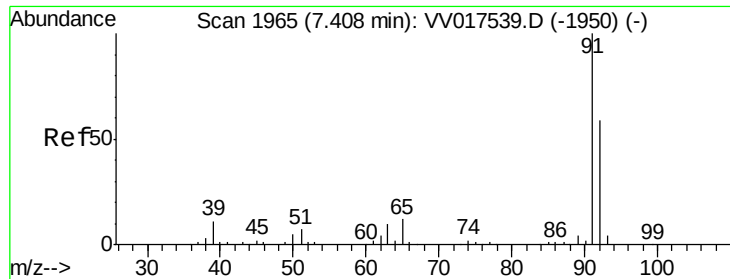
Tgt Ion: 75 Resp: 31260
 Ion Ratio Lower Upper
 75 100
 77 32.6 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 20.724 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV017538.D
 Acq: 20 Jul 2020 12:10

Tgt Ion: 43 Resp: 52600
 Ion Ratio Lower Upper
 43 100
 58 37.1 31.8 47.6
 100 17.1 14.6 21.8





#42

Toluene

Concen: 10.008 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

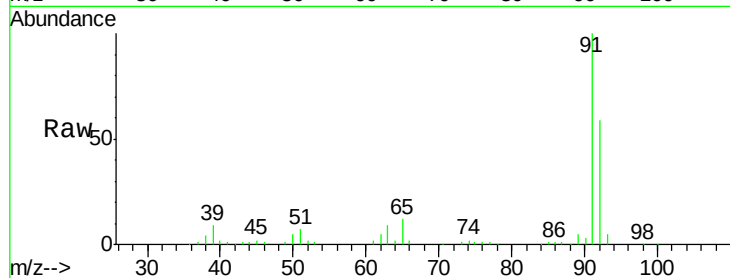
VSTD01066

Tgt Ion: 91 Resp: 82866

Ion Ratio Lower Upper

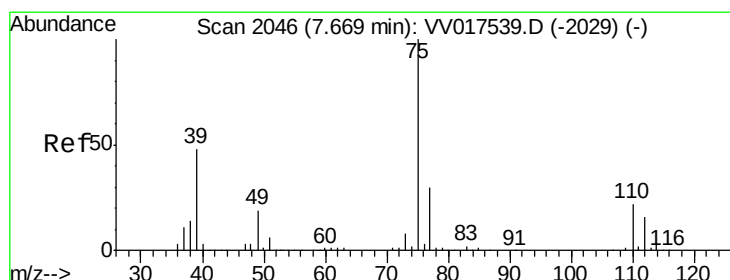
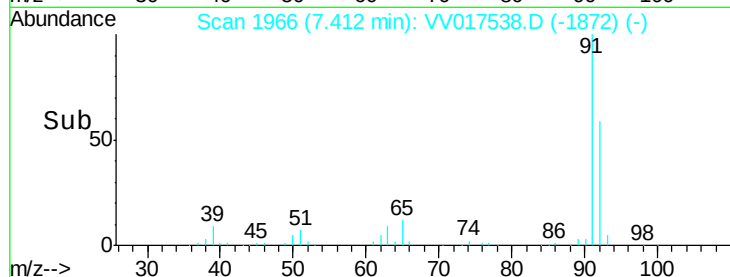
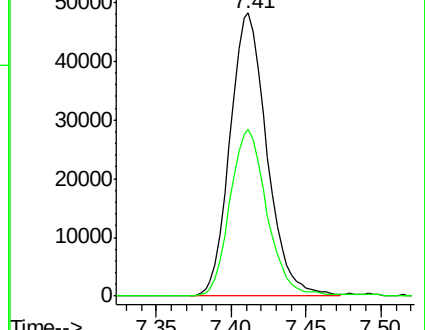
91 100

92 58.8 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV017539.D (-1950) (-)

Ion 92.00 (91.70 to 92.70): VV017539.D (-1950) (-)



#44

trans-1,3-Dichloropropene

Concen: 10.118 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV017538.D

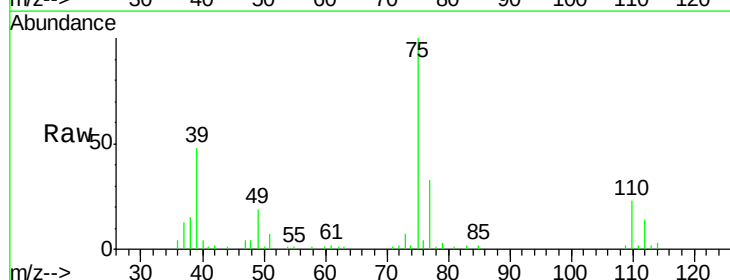
Acq: 20 Jul 2020 12:10

Tgt Ion: 75 Resp: 32791

Ion Ratio Lower Upper

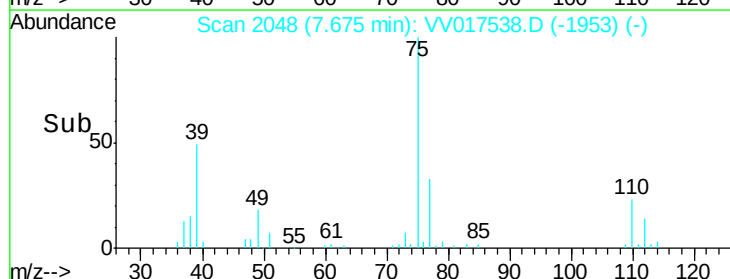
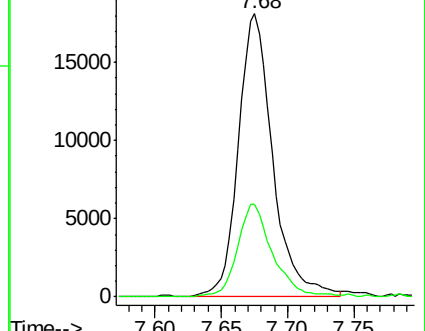
75 100

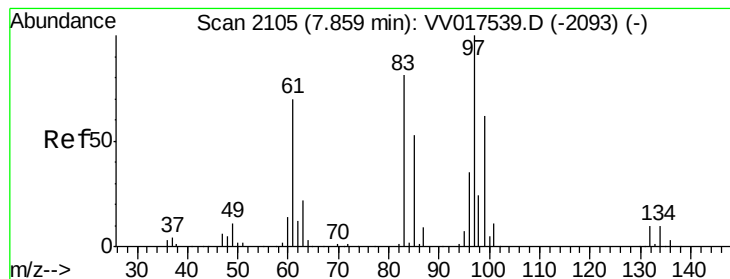
77 32.7 21.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VV017539.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV017539.D (-2029) (-)





#45

1,1,2-Trichloroethane

Concen: 10.609 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

Tgt Ion: 97 Resp: 21155

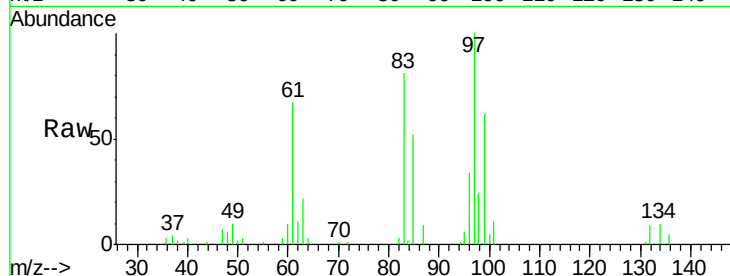
Ion Ratio Lower Upper

97 100

99 62.5 43.4 80.6

83 80.6 56.9 105.7

85 51.6 36.9 68.5



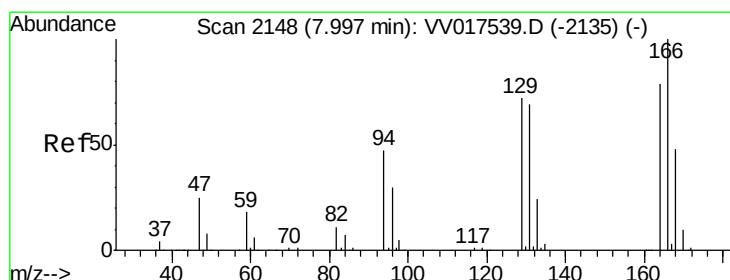
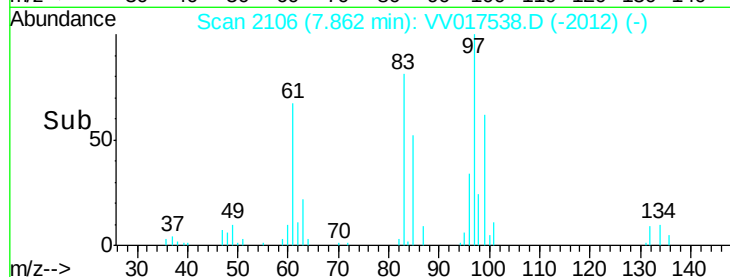
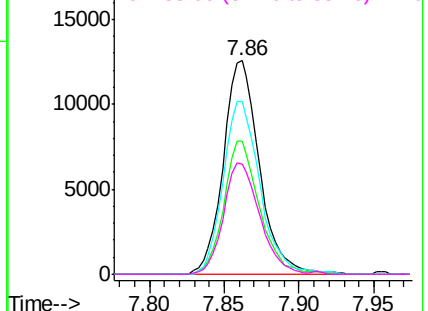
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 9.475 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

Tgt Ion: 164 Resp: 17577

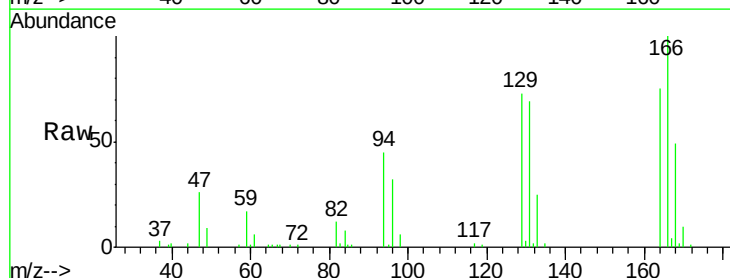
Ion Ratio Lower Upper

164 100

129 97.7 63.6 118.2

131 92.6 61.3 113.9

166 134.0 88.4 164.2



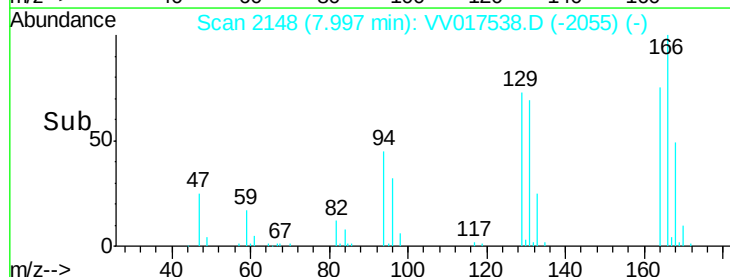
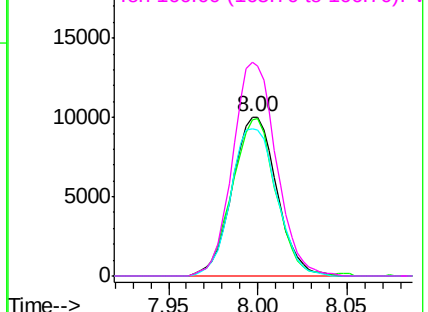
Abundance

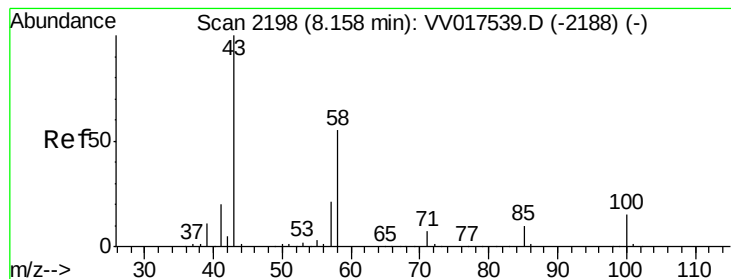
Ion 164.00 (163.70 to 164.70): V

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: 18.959 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

Tgt Ion: 43 Resp: 38938

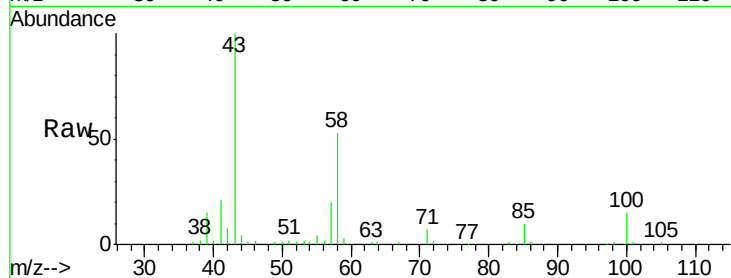
Ion Ratio Lower Upper

43 100

58 58.2 43.3 64.9

57 19.4 17.2 25.8

100 14.5 11.7 17.5

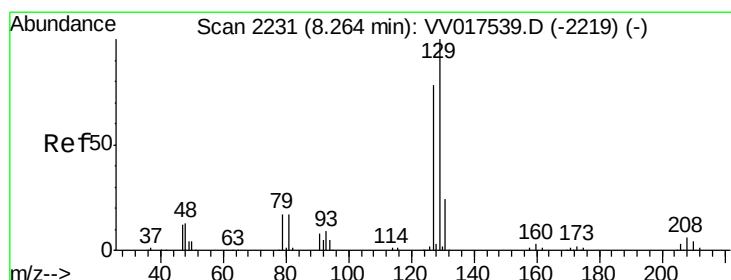
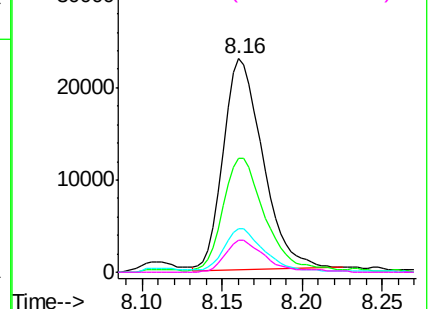
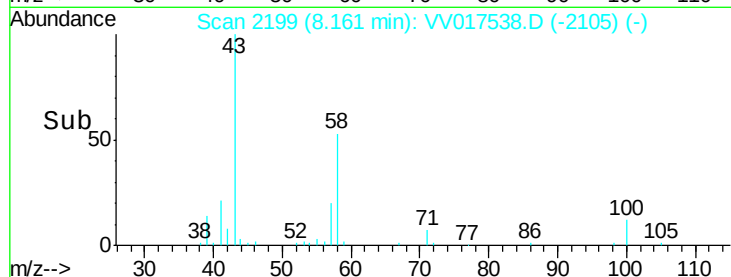


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#49

Dibromochloromethane

Concen: 9.975 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV017538.D

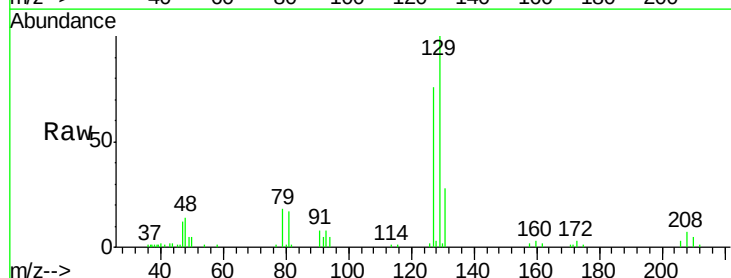
Acq: 20 Jul 2020 12:10

Tgt Ion: 129 Resp: 24969

Ion Ratio Lower Upper

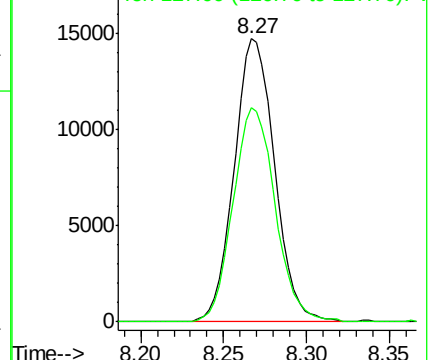
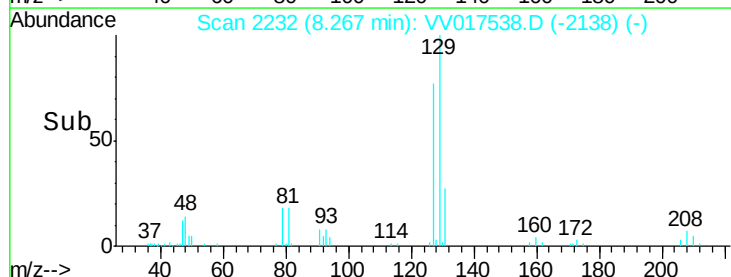
129 100

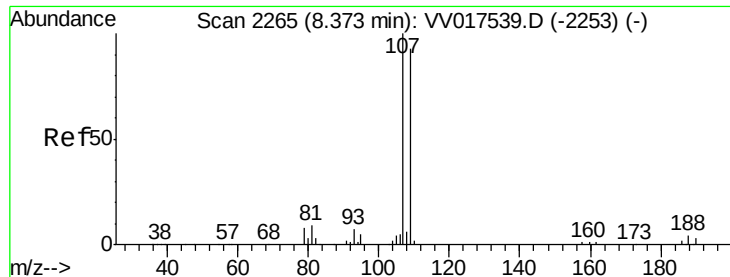
127 75.8 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

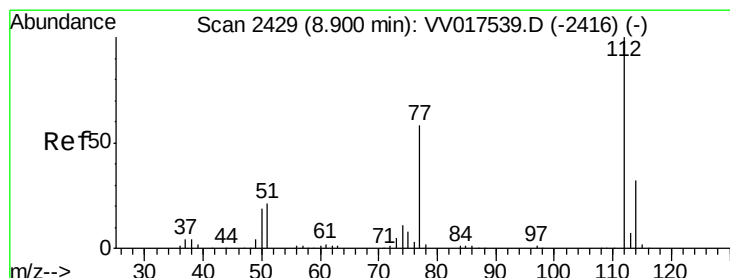
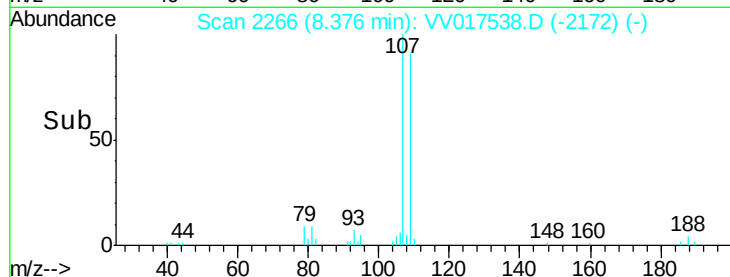
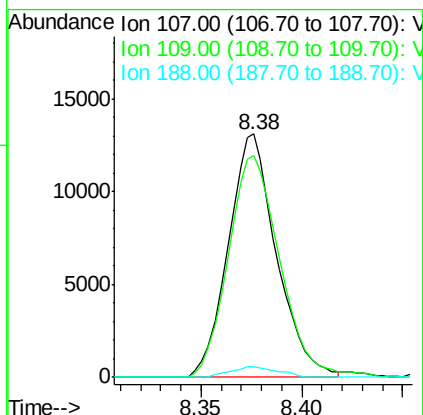
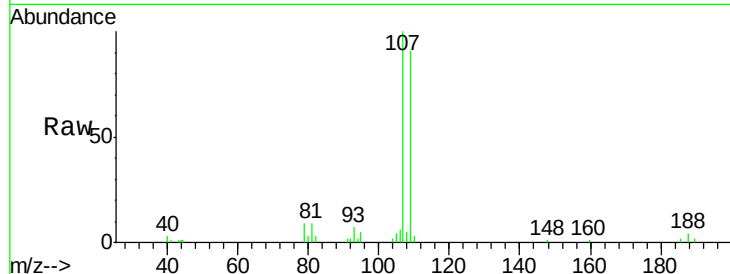




#50
 1,2-Dibromoethane
 Concen: 9.988 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV017538.D
 Acq: 20 Jul 2020 12:10

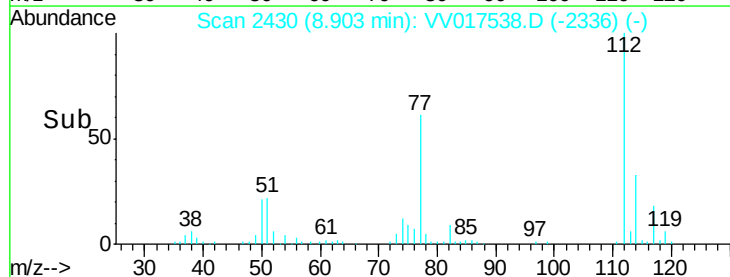
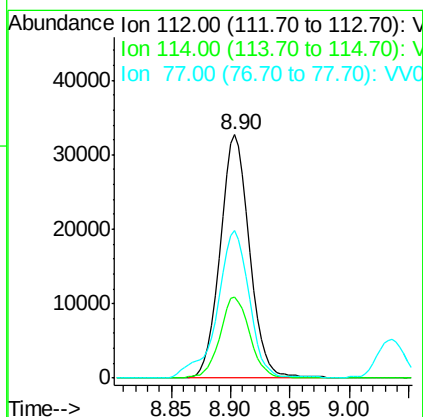
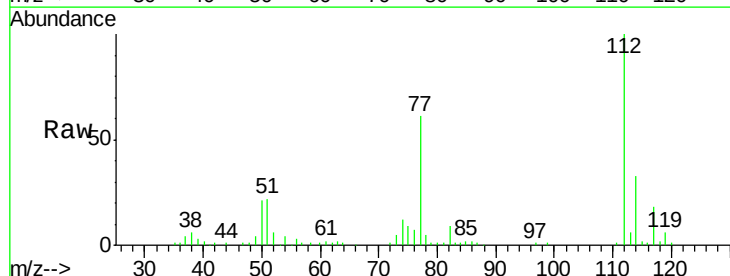
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

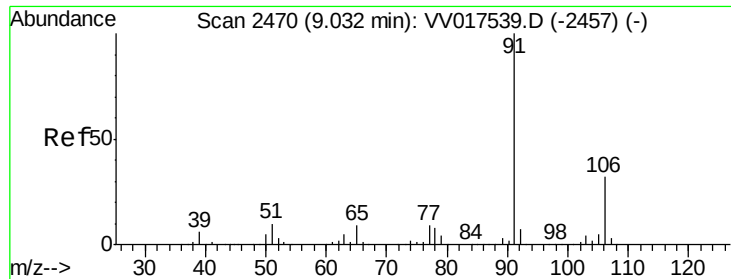
Tgt Ion:107 Resp: 21871
 Ion Ratio Lower Upper
 107 100
 109 91.1 65.5 121.7
 188 4.5 3.3 4.9



#51
 Chlorobenzene
 Concen: 9.869 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV017538.D
 Acq: 20 Jul 2020 12:10

Tgt Ion:112 Resp: 55852
 Ion Ratio Lower Upper
 112 100
 114 33.2 22.7 42.1
 77 60.5 46.9 70.3





#52

Ethylbenzene

Concen: 9.470 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

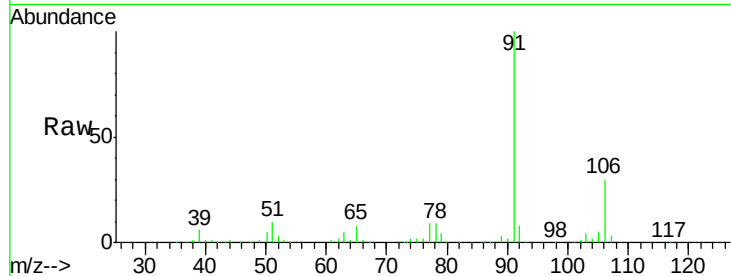
VSTD01066

Tgt Ion: 91 Resp: 90062

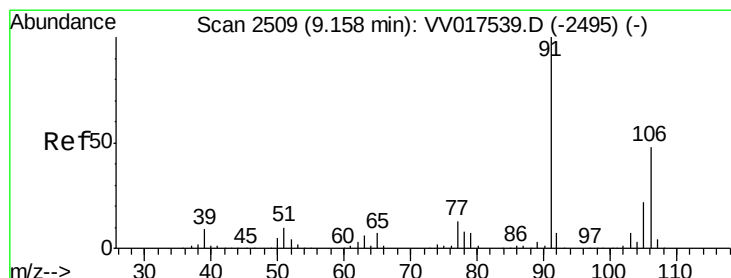
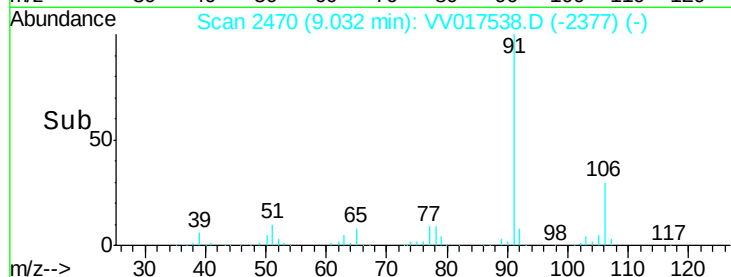
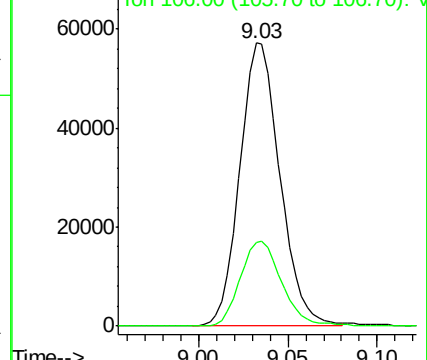
Ion Ratio Lower Upper

91 100

106 29.8 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VV017539.D (-2457) (-)



#53

m,p-Xylene

Concen: 9.115 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017538.D

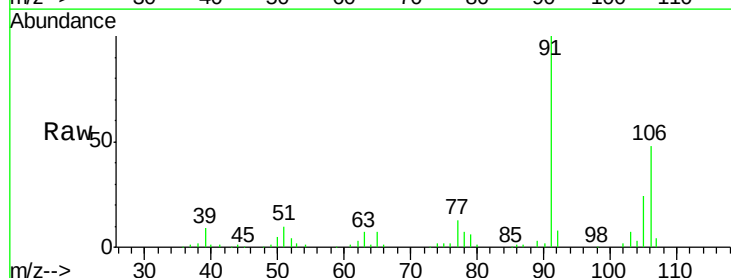
Acq: 20 Jul 2020 12:10

Tgt Ion: 106 Resp: 32396

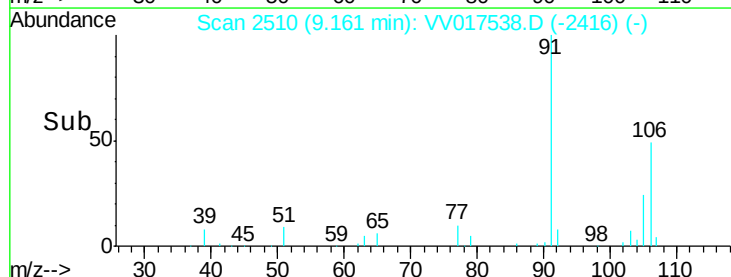
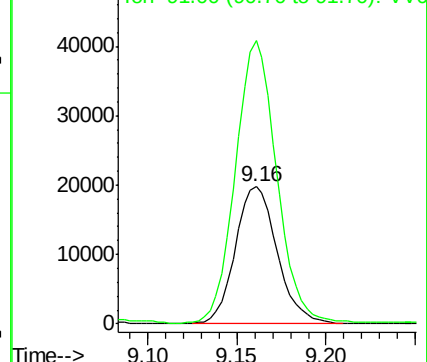
Ion Ratio Lower Upper

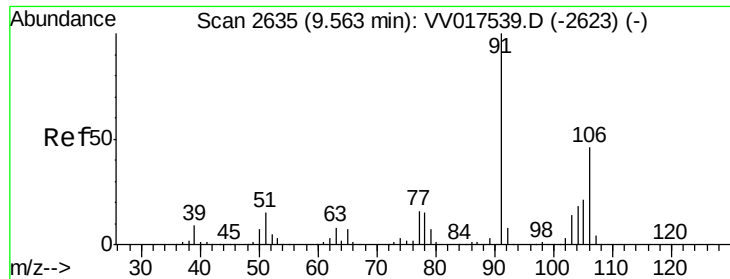
106 100

91 206.6 146.2 271.4



Abundance Ion 106.00 (105.70 to 106.70): VV017539.D (-2495) (-)





#54

o-xylene

Concen: 9.173 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

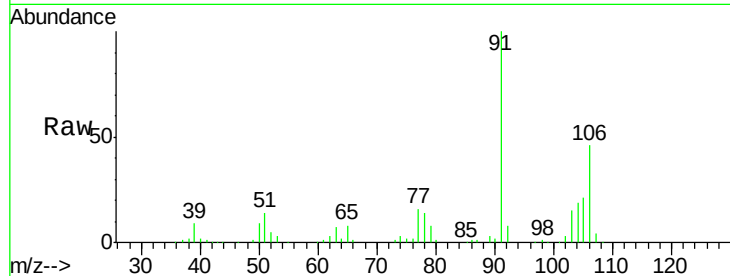
VSTD01066

Tgt Ion:106 Resp: 31563

Ion Ratio Lower Upper

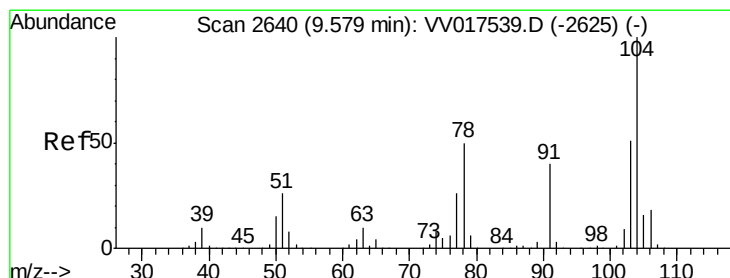
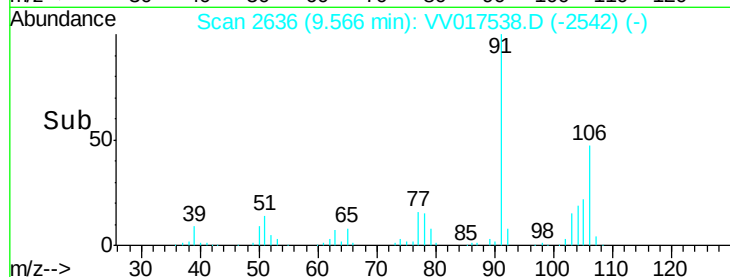
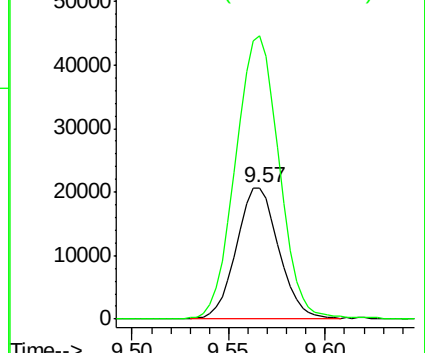
106 100

91 215.1 151.6 281.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 9.050 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV017538.D

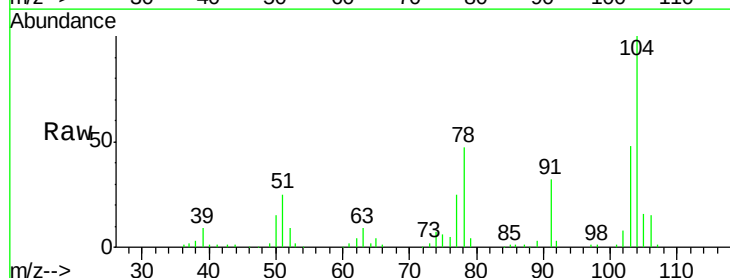
Acq: 20 Jul 2020 12:10

Tgt Ion:104 Resp: 54153

Ion Ratio Lower Upper

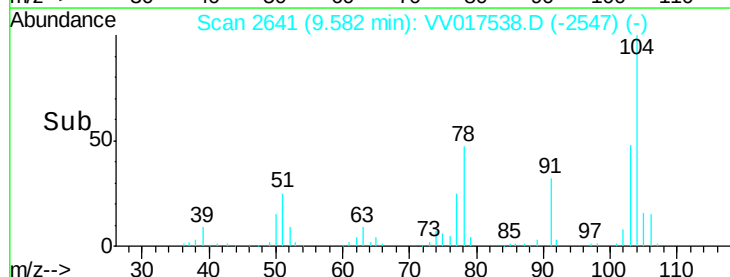
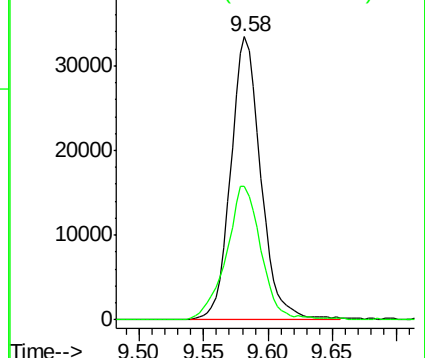
104 100

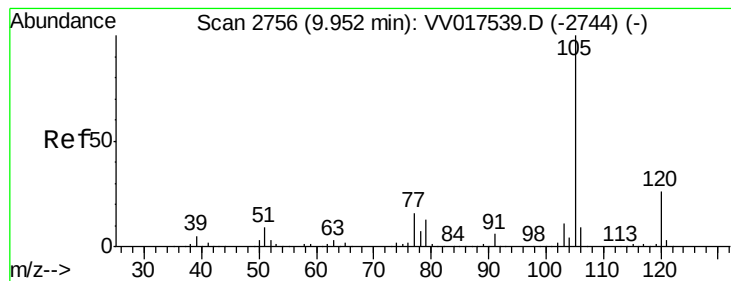
78 47.1 34.7 64.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 9.017 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

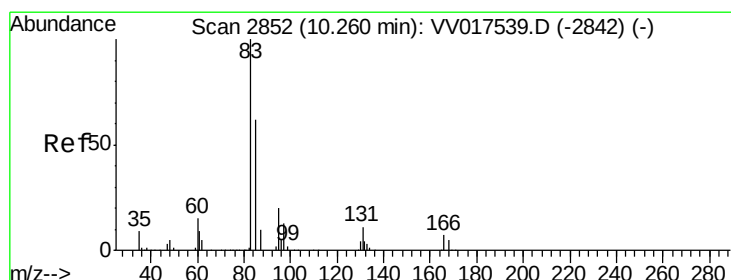
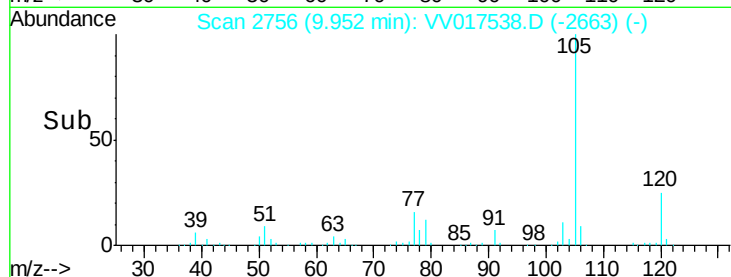
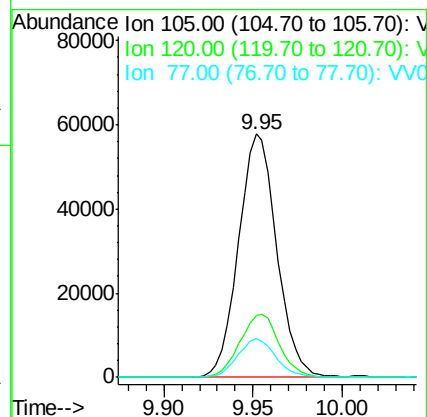
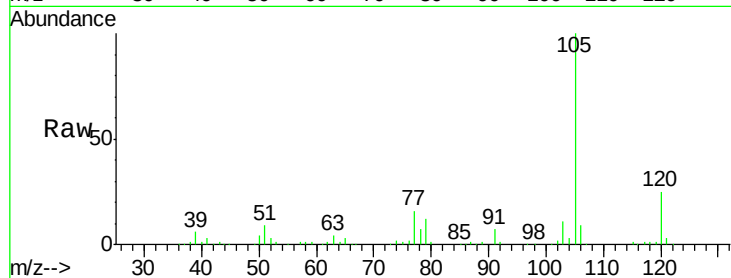
Tgt Ion: 105 Resp: 86233

Ion Ratio Lower Upper

105 100

120 26.7 21.0 31.6

77 16.0 13.3 19.9



#58

1,1,2,2-Tetrachloroethane

Concen: 9.794 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

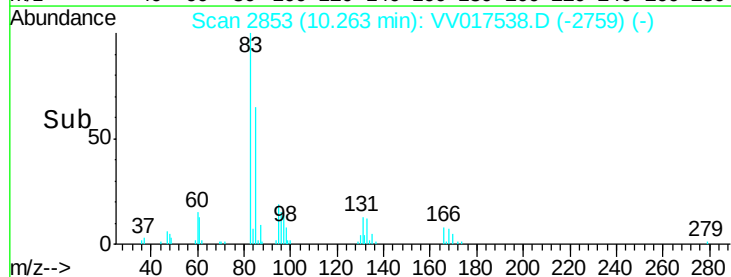
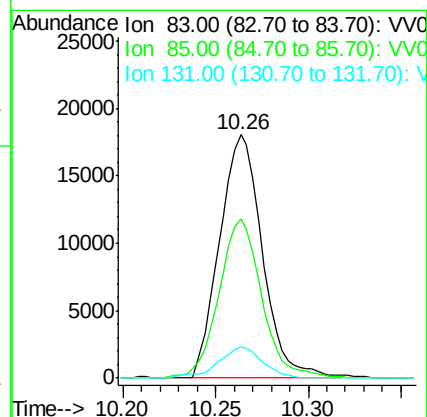
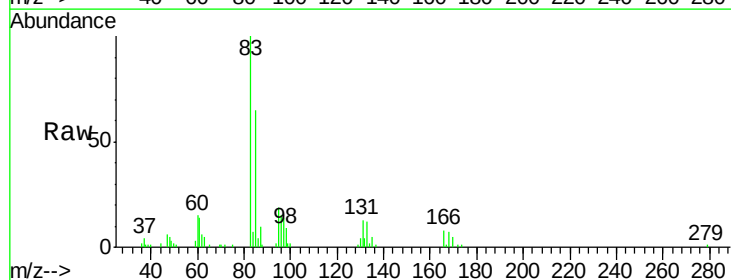
Tgt Ion: 83 Resp: 28934

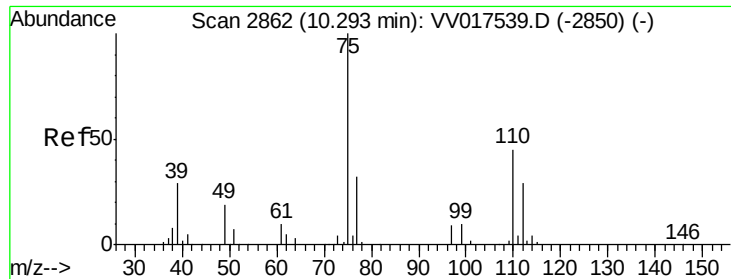
Ion Ratio Lower Upper

83 100

85 65.1 44.7 82.9

131 12.7 9.4 14.0





#59

1,2,3-Trichloropropane

Concen: 9.840 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

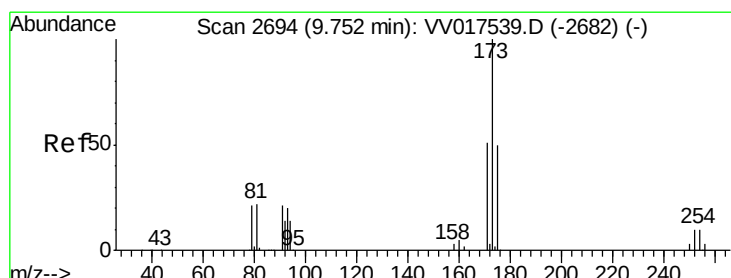
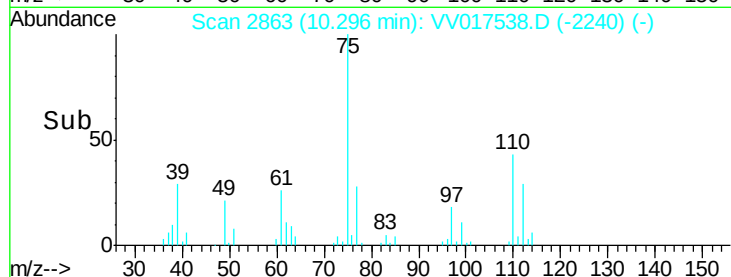
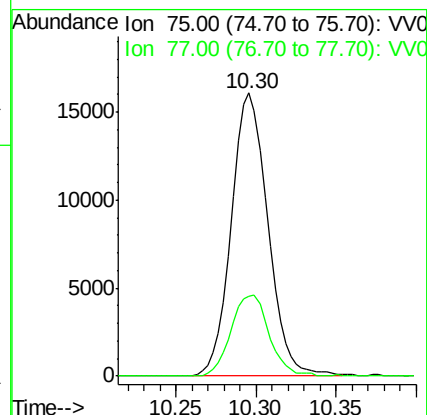
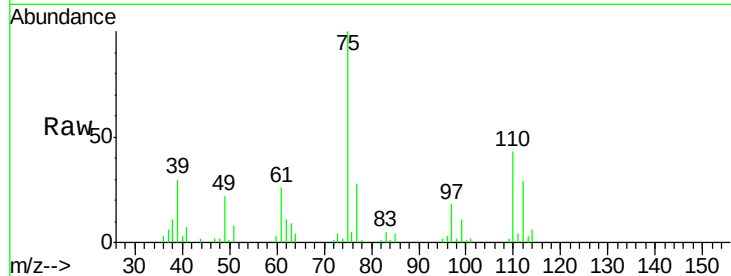
VSTD01066

Tgt Ion: 75 Resp: 25137

Ion Ratio Lower Upper

75 100

77 29.4 25.9 38.9



#61

Bromoform

Concen: 10.330 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

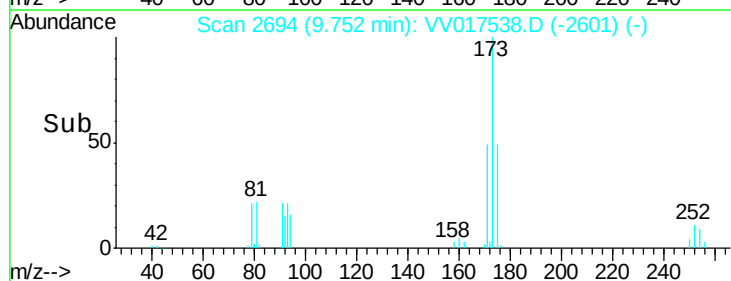
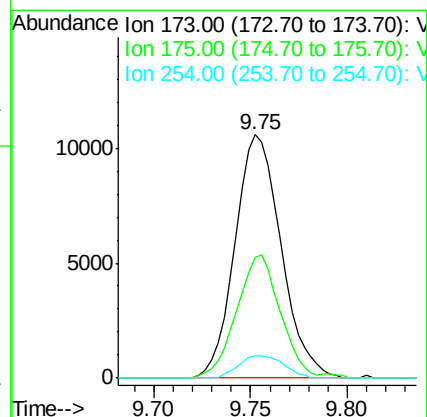
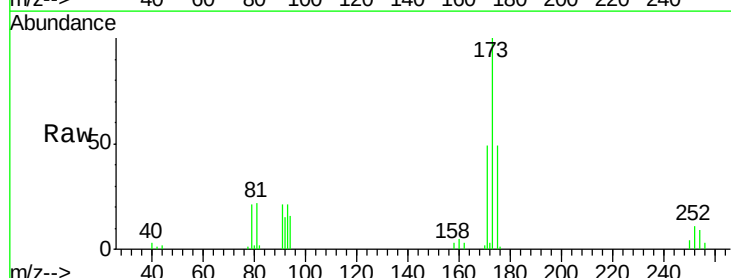
Tgt Ion: 173 Resp: 17587

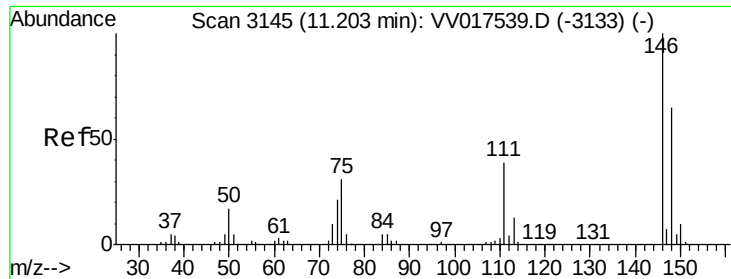
Ion Ratio Lower Upper

173 100

175 47.6 39.4 59.0

254 9.0 8.2 12.4





#62

1,3-Dichlorobenzene

Concen: 10.107 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

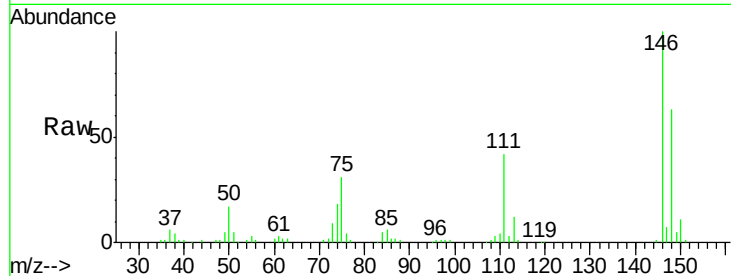
Tgt Ion:146 Resp: 43963

Ion Ratio Lower Upper

146 100

111 42.3 27.6 51.2

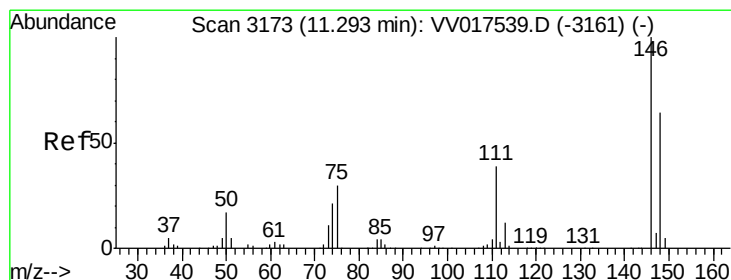
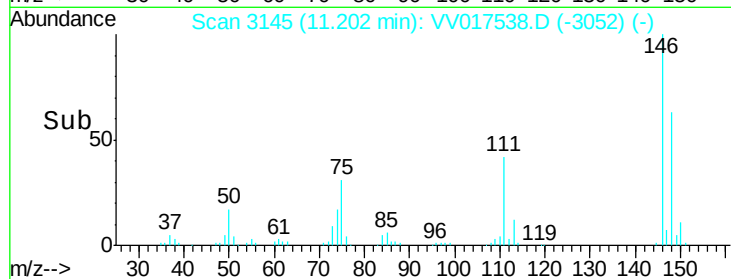
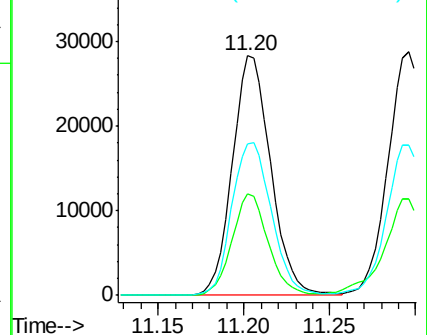
148 63.1 45.8 85.0



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



#63

1,4-Dichlorobenzene

Concen: 9.944 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

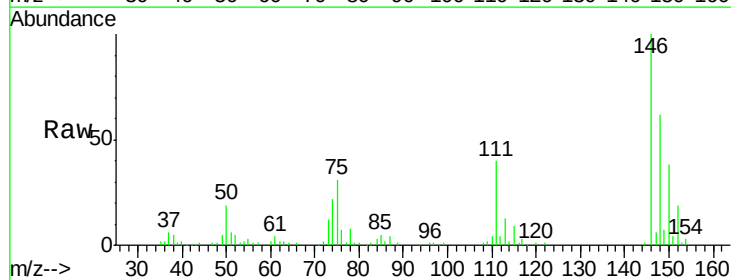
Tgt Ion:146 Resp: 44115

Ion Ratio Lower Upper

146 100

111 39.6 27.2 50.4

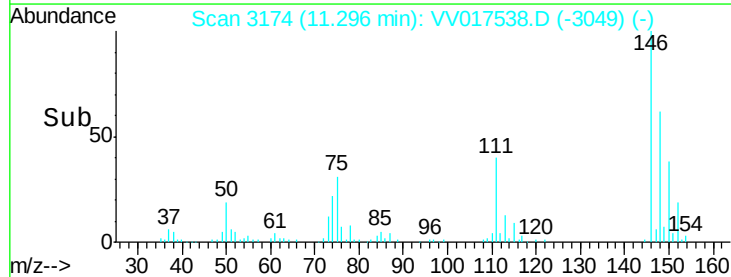
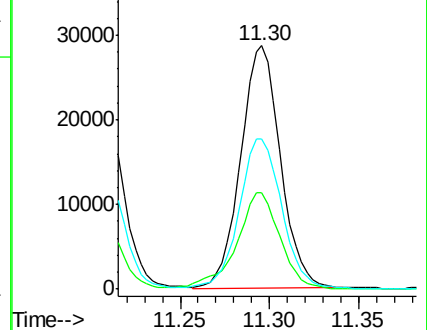
148 61.6 44.7 82.9

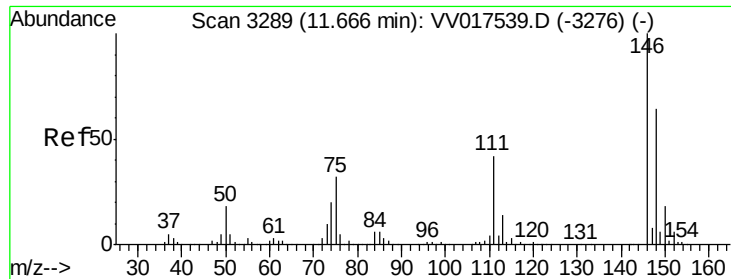


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

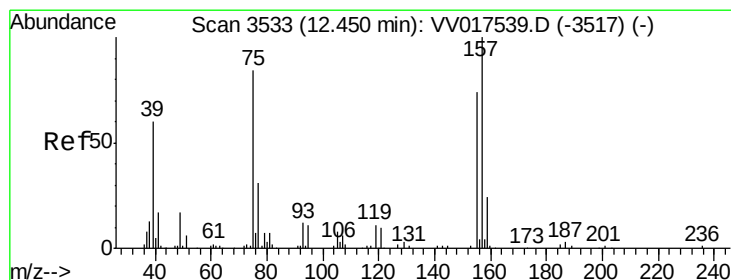
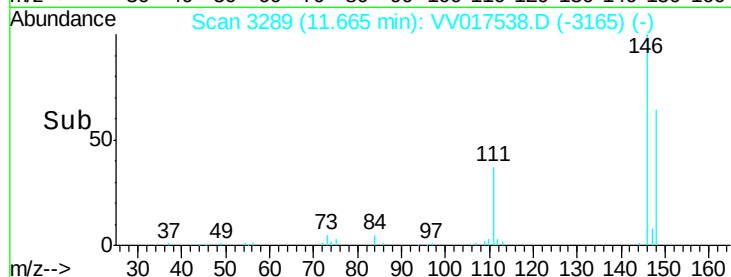
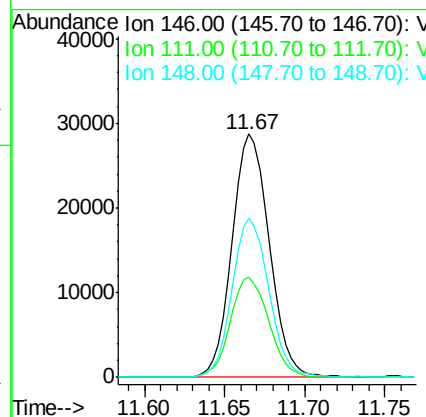
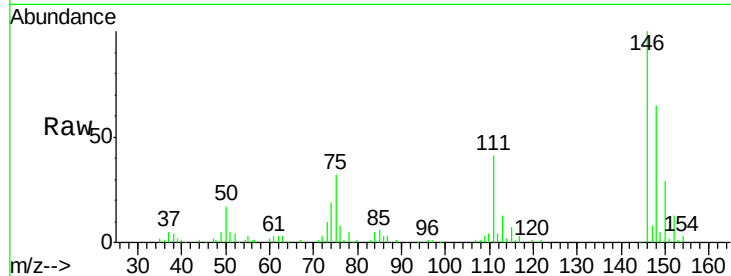




#65
 1,2-Dichlorobenzene
 Concen: 10.468 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017538.D
 Acq: 20 Jul 2020 12:10

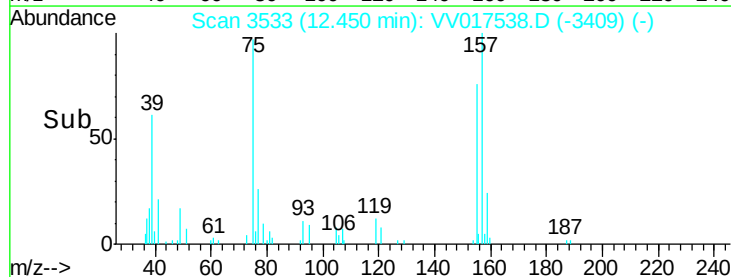
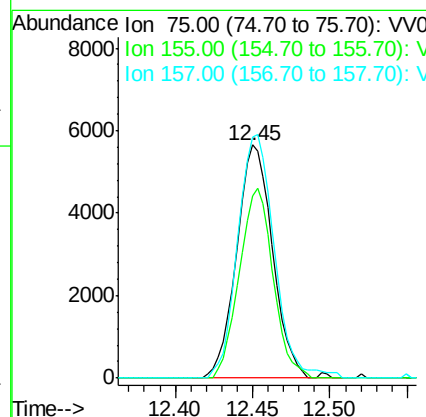
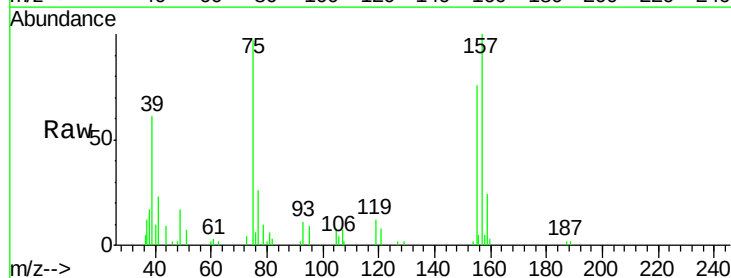
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

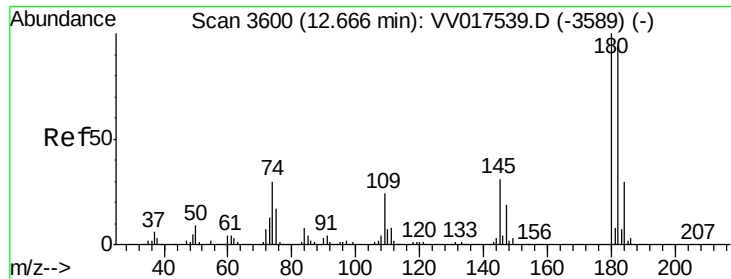
Tgt Ion: 146 Resp: 45634
 Ion Ratio Lower Upper
 146 100
 111 41.2 33.8 50.8
 148 65.2 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 12.592 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV017538.D
 Acq: 20 Jul 2020 12:10

Tgt Ion: 75 Resp: 9124
 Ion Ratio Lower Upper
 75 100
 155 78.2 70.6 105.8
 157 103.1 95.2 142.8

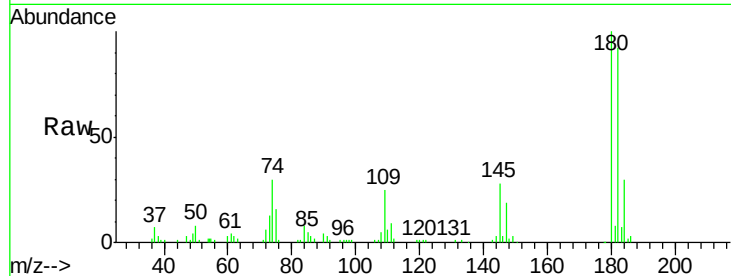




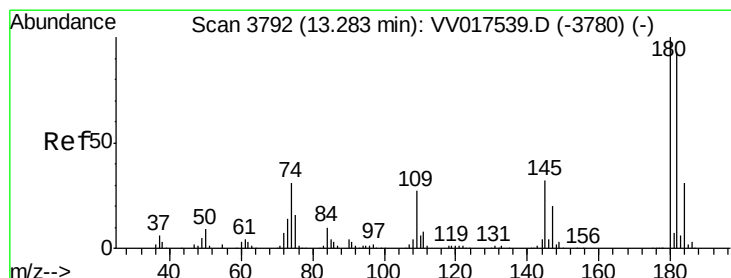
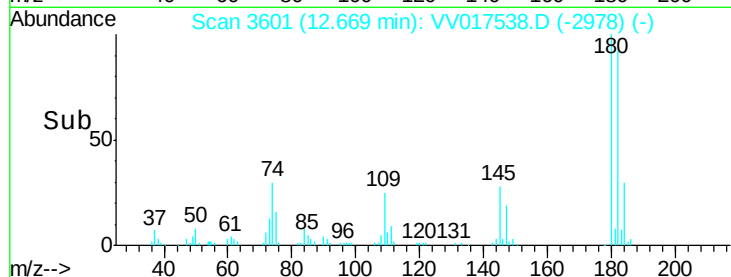
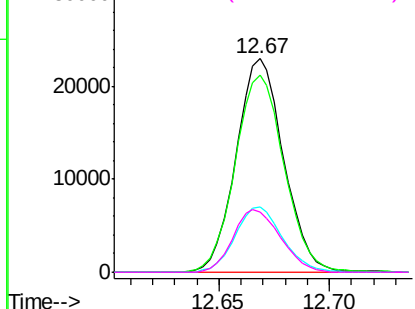
#67
 1,3,5-Trichlorobenzene
 Concen: 10.347 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017538.D
 Acq: 20 Jul 2020 12:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

Tgt Ion:180 Resp: 34284
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.0 114.0
 184 30.6 24.4 36.6
 145 29.4 24.2 36.4

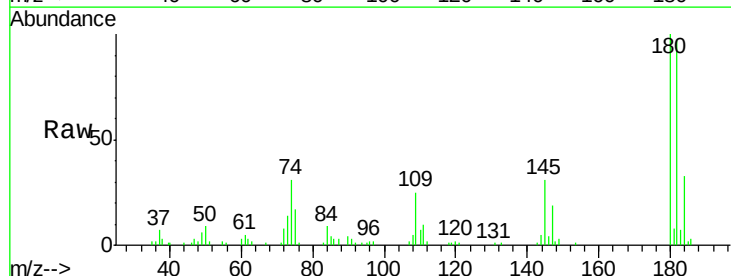


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

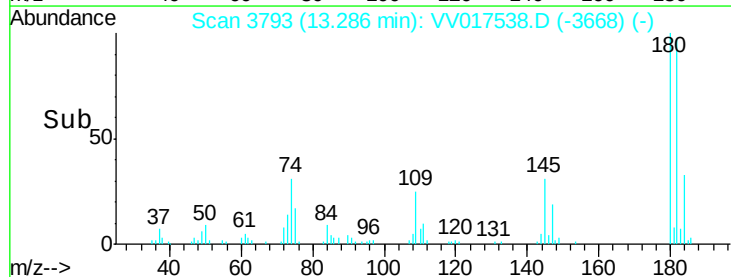
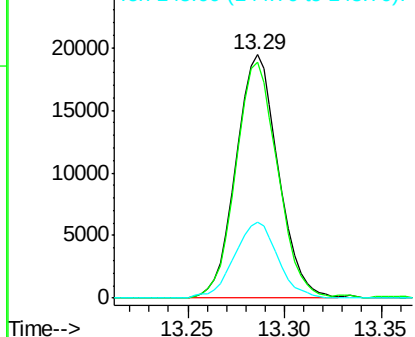


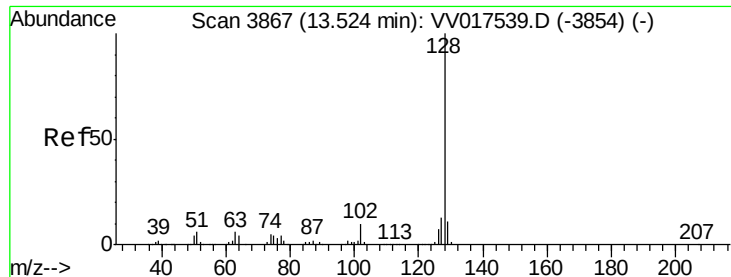
#68
 1,2,4-trichlorobenzene
 Concen: 10.163 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017538.D
 Acq: 20 Jul 2020 12:10

Tgt Ion:180 Resp: 29651
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.0 114.0
 145 31.9 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





#69

Naphthalene

Concen: 9.737 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

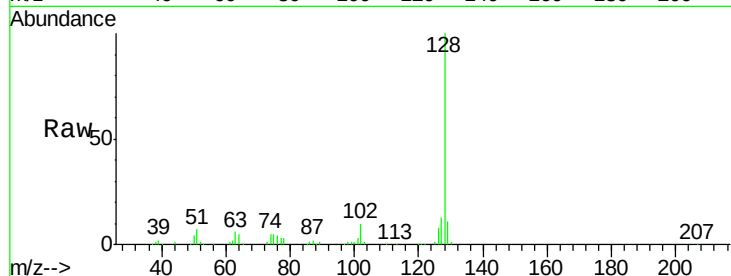
Tgt Ion:128 Resp: 79081

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

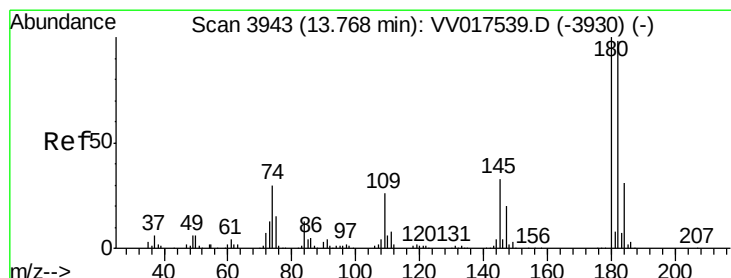
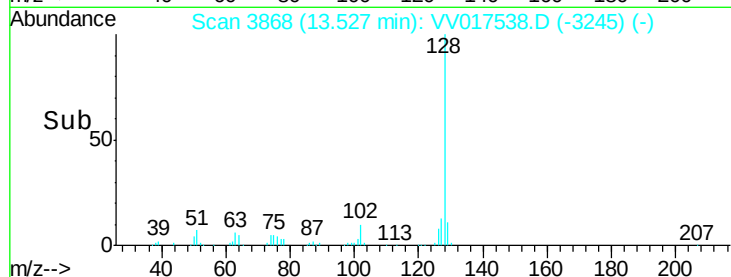
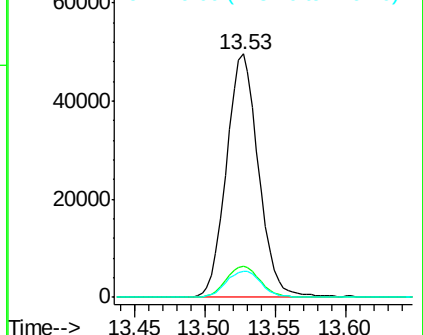
129 11.6 9.0 13.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 9.973 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV017538.D

Acq: 20 Jul 2020 12:10

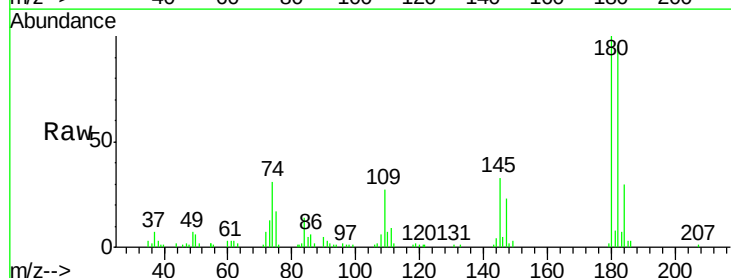
Tgt Ion:180 Resp: 29422

Ion Ratio Lower Upper

180 100

182 99.2 77.0 115.6

145 33.8 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

