

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111620\
 Data File : VW017246.D
 Acq On : 16 Nov 2020 10:14
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Quant Time: Nov 17 06:00:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 16 11:48:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	445037	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	400094	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	205793	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	120956	21.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.32%
7) Chloroethane-d5	2.90	69	112438	26.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.12%
10) 1,1-Dichloroethene-d2	4.03	63	249680	24.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.60%
20) 2-Butanone-d5	7.08	46	55212	44.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.08%
24) Chloroform-d	7.65	84	298443	28.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	114.92%
26) 1,2-Dichloroethane-d4	8.31	65	140116	27.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.52%
29) Benzene-d6	8.27	84	533728	26.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.80%
33) 1,2-Dichloropropane-d6	9.27	67	148468	26.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.36%
37) Toluene-d8	10.32	98	519744	27.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.20%
38) trans-1,3-Dichloropropene-	10.58	79	65264	25.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.76%
39) 2-Hexanone-d5	10.93	63	45411	46.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	118114	24.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	206014	28.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	113.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	99956	22.386	ug/L 99
3) Chloromethane	2.22	50	77117	19.030	ug/L 99
5) Vinyl chloride	2.37	62	134081	22.559	ug/L 99
6) Bromomethane	2.79	94	103884	25.274	ug/L 98
8) Chloroethane	2.93	64	86748	24.189	ug/L 96
9) Trichlorofluoromethane	3.27	101	132710	27.453	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	147210	25.627	ug/L 98
12) 1,1-Dichloroethene	4.04	96	129778	23.495	ug/L 91
13) Acetone	4.13	43	29758	35.454	ug/L 95
14) Carbon disulfide	4.39	76	305248	20.307	ug/L 100
15) Methyl Acetate	4.67	43	35118	16.881	ug/L 96
16) Methylene chloride	4.92	84	125904	20.984	ug/L 100
17) Methyl tert-butyl Ether	5.43	73	158462	23.494	ug/L 96
18) trans-1,2-Dichloroethene	5.43	96	136153	23.813	ug/L 99
19) 1,1-Dichloroethane	6.22	63	218685	24.141	ug/L 99
21) 2-Butanone	7.17	43	47393	35.166	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	146838	24.289	ug/L 97

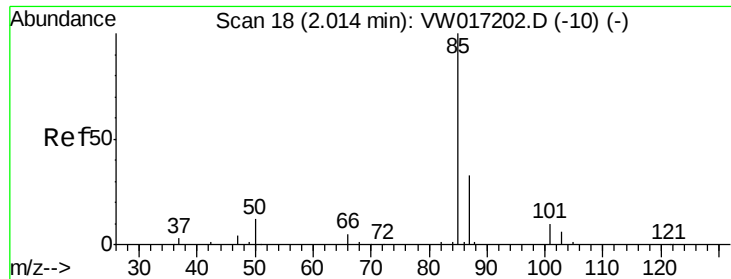
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111620\
 Data File : VW017246.D
 Acq On : 16 Nov 2020 10:14
 Operator : SY/VA
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 Quant Title : VOC Analysis
 QLast Update : Mon Nov 16 11:48:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	66749	22.933	ug/L	97
25) Chloroform	7.68	83	251302	25.481	ug/L	100
27) 1,2-Dichloroethane	8.40	62	140375	23.751	ug/L	96
30) Cyclohexane	7.96	56	174588	23.176	ug/L	94
31) 1,1,1-Trichloroethane	7.87	97	232172	28.337	ug/L	99
32) Carbon tetrachloride	8.07	117	221735	28.046	ug/L	98
34) Benzene	8.32	78	509306	24.243	ug/L	100
35) Trichloroethene	9.09	95	149398	25.386	ug/L	99
36) Methylcyclohexane	9.34	83	230858	24.378	ug/L	97
40) 1,2-Dichloropropane	9.37	63	115661	23.551	ug/L	98
41) Bromodichloromethane	9.65	83	174696	25.720	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	192358	24.729	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	110685	36.531	ug/L	96
44) Toluene	10.39	91	588064	25.430	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	162819	24.373	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	94836	22.398	ug/L	99
47) Tetrachloroethene	10.87	164	134250	25.284	ug/L	97
49) 2-Hexanone	10.97	43	71129	38.939	ug/L	96
50) Dibromochloromethane	11.13	129	124372	24.110	ug/L	98
51) 1,2-Dibromoethane	11.24	107	88536	21.523	ug/L	98
52) Chlorobenzene	11.66	112	394595	25.229	ug/L	99
53) Ethylbenzene	11.73	91	668388	25.877	ug/L	99
54) m,p-Xylene	11.84	106	259733	25.706	ug/L	98
55) o-xylene	12.16	106	250020	26.070	ug/L	98
56) Styrene	12.18	104	415701	25.817	ug/L	95
57) Isopropylbenzene	12.46	105	712262	27.366	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	99403	20.322	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	68971	19.617	ug/L	98
62) Bromoform	12.35	173	70888	22.440	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	331996	25.934	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	322649	25.087	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	292665	25.351	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	14729	19.297	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	255822	27.119	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	197363	26.217	ug/L	98
69) Naphthalene	15.37	128	305014	22.017	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	161017	23.409	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 22.386 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

Instrument :

MSVOA_W

ClientSampleId :

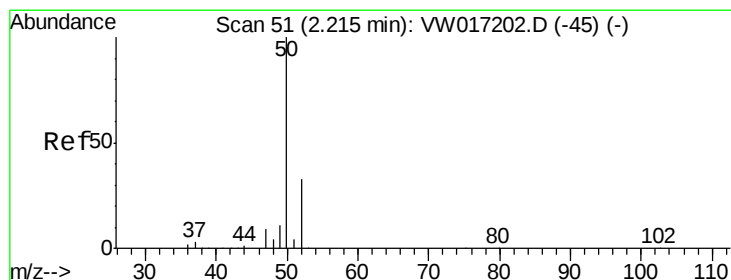
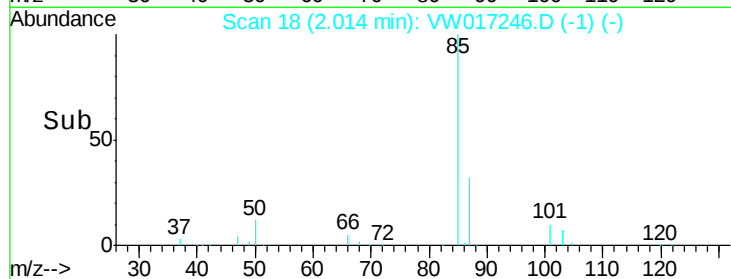
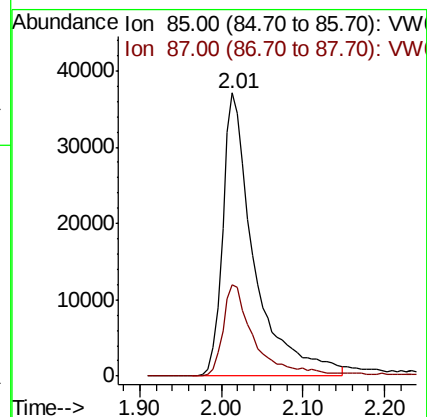
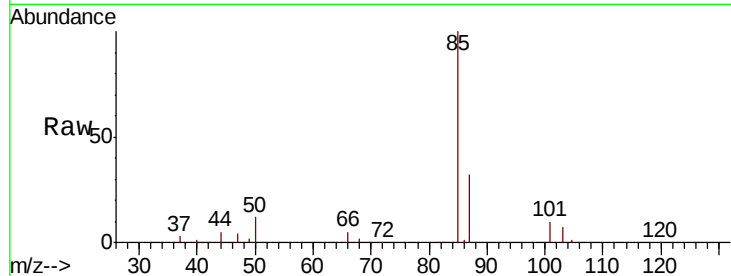
VSTD02530

Tot Ion: 85 Resp: 99956

Ion Ratio Lower Upper

85 100

87 30.0 21.5 39.9



#3

Chloromethane

Concen: 19.030 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW017246.D

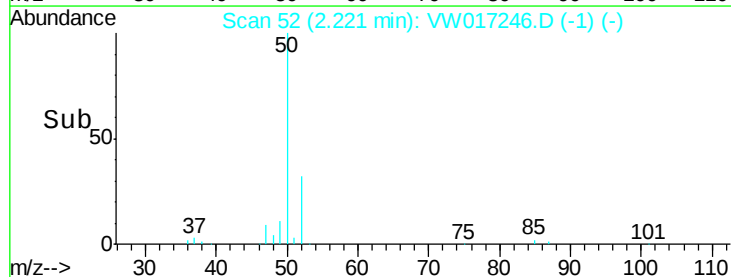
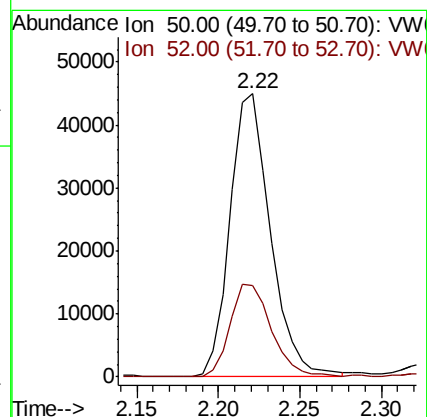
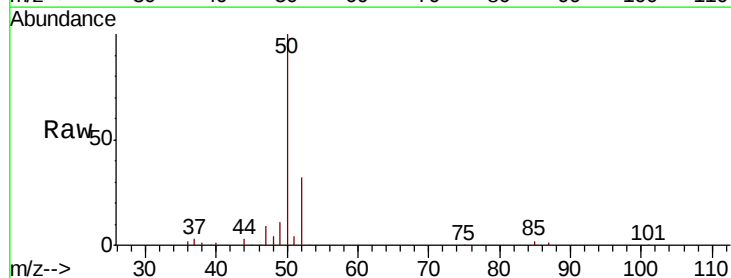
Acq: 16 Nov 2020 10:14

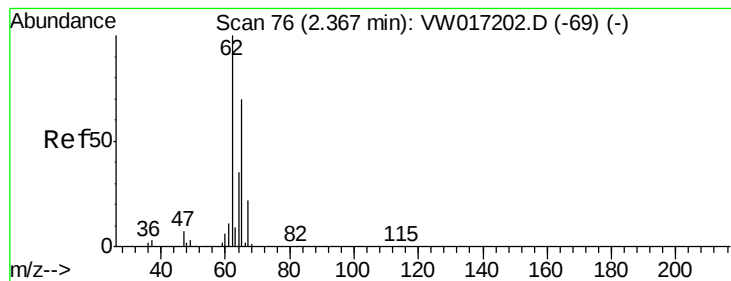
Tgt Ion: 50 Resp: 77117

Ion Ratio Lower Upper

50 100

52 32.3 23.1 42.9





#5

Vinyl chloride

Concen: 22.559 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

Instrument :

MSVOA_W

ClientSampleId :

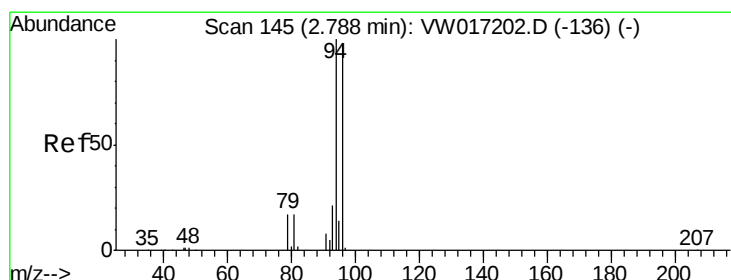
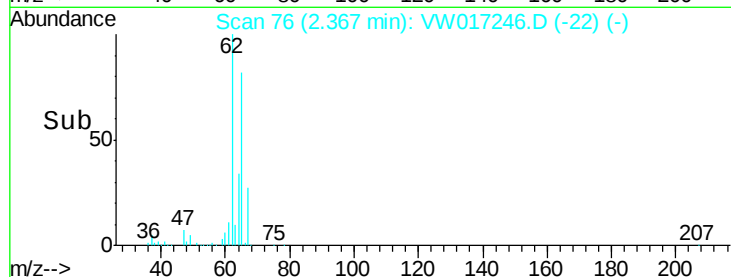
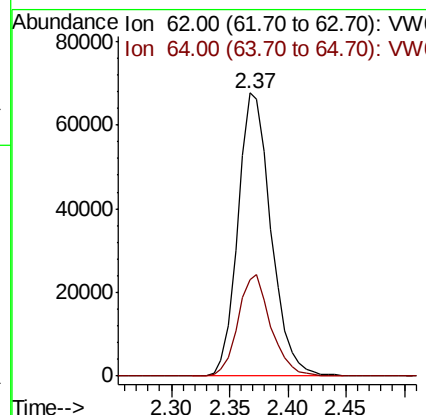
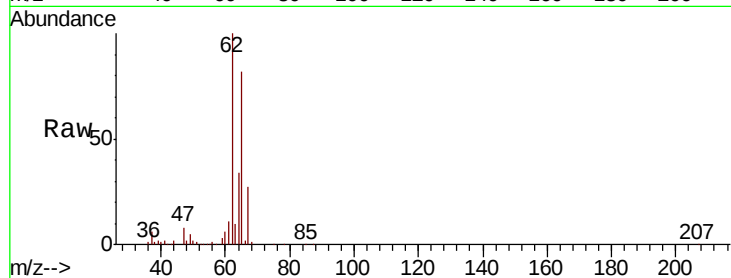
VSTD02530

Tot Ion: 62 Resp: 134081

Ion Ratio Lower Upper

62 100

64 34.0 23.3 43.3



#6

Bromomethane

Concen: 25.274 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW017246.D

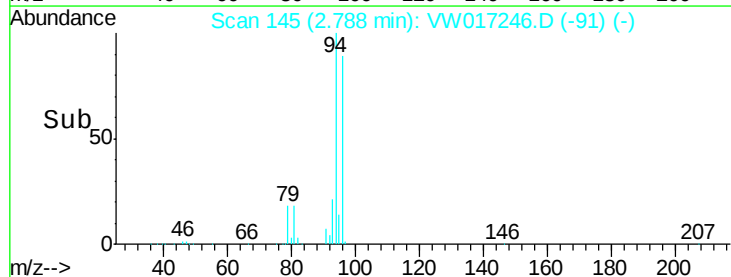
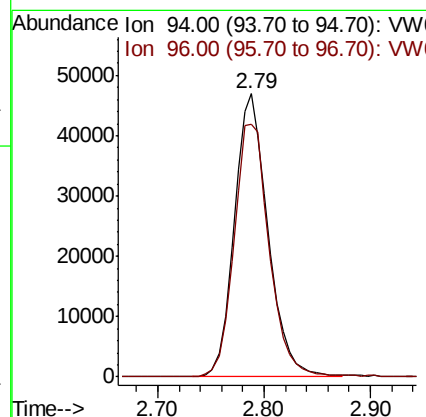
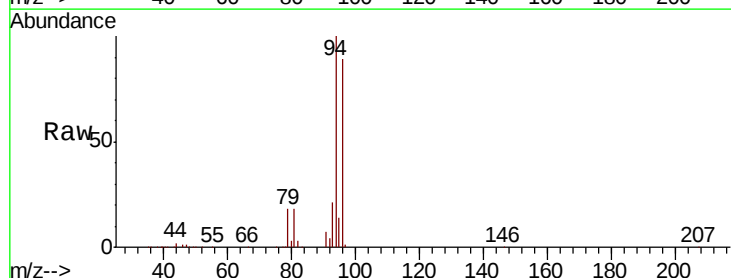
Acq: 16 Nov 2020 10:14

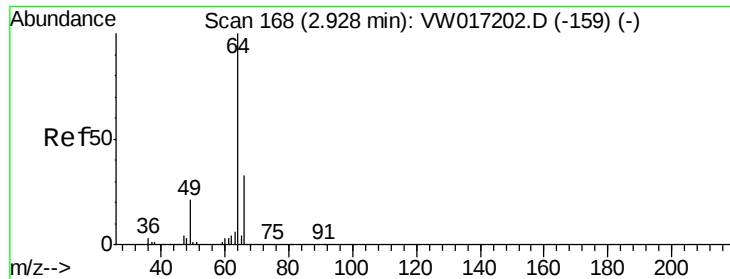
Tgt Ion: 94 Resp: 103884

Ion Ratio Lower Upper

94 100

96 93.5 9.6 181.8





#8

Chloroethane

Concen: 24.189 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

Instrument :

MSVOA_W

ClientSampleId :

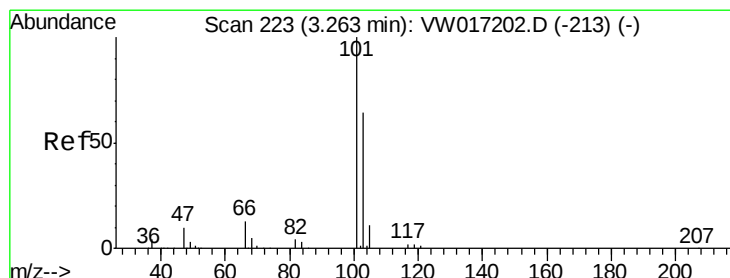
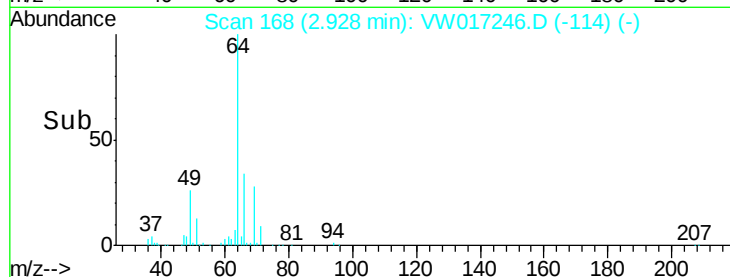
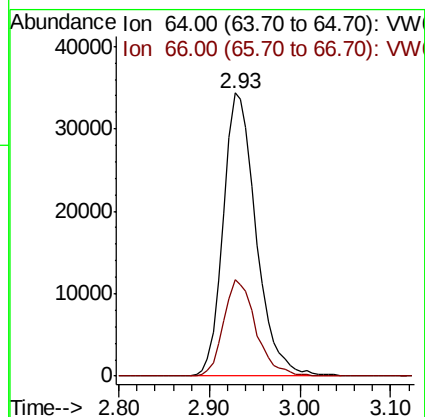
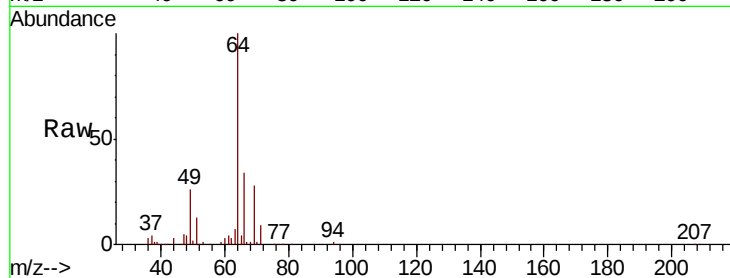
VSTD02530

Tot Ion: 64 Resp: 86748

Ion Ratio Lower Upper

64 100

66 34.3 22.3 41.5



#9

Trichlorofluoromethane

Concen: 27.453 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW017246.D

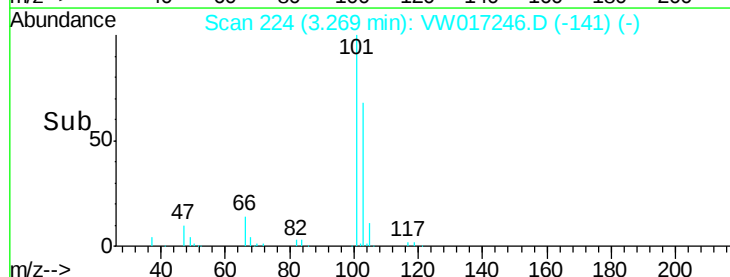
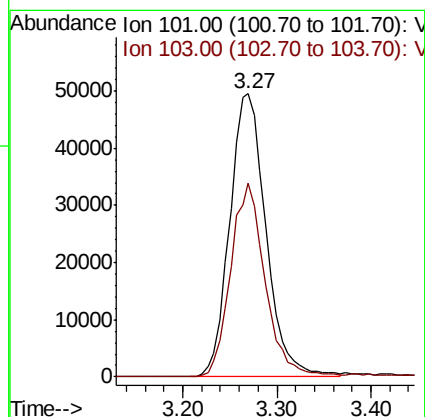
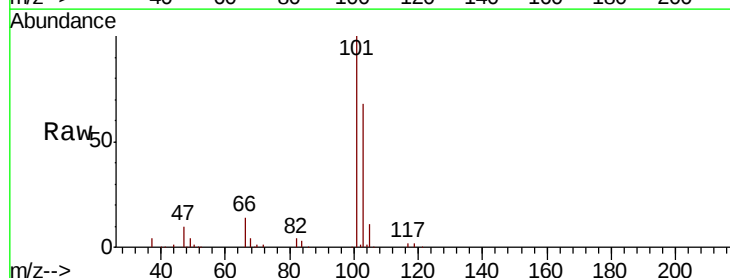
Acq: 16 Nov 2020 10:14

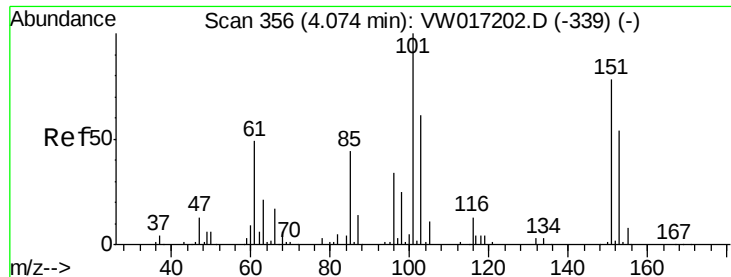
Tgt Ion: 101 Resp: 132710

Ion Ratio Lower Upper

101 100

103 65.0 45.4 84.2





#11

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

Concen: 25.627 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

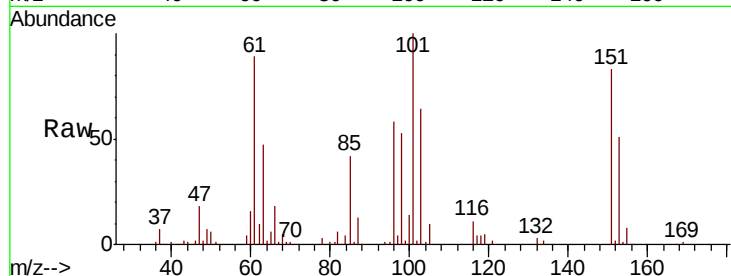
Tot Ion:101 Resp: 147210

Ion Ratio Lower Upper

101 100

85 42.5 32.8 49.2

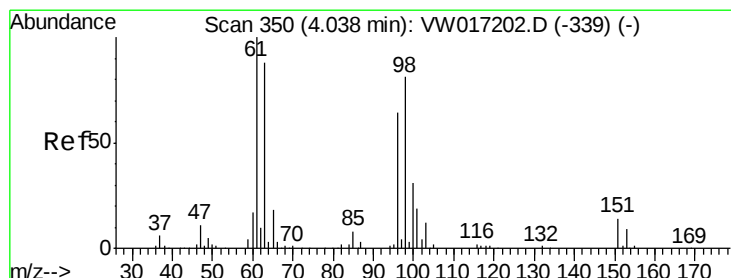
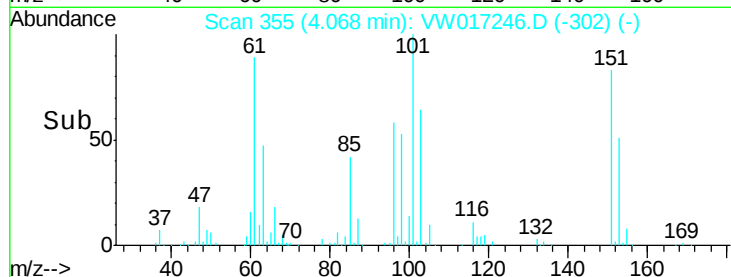
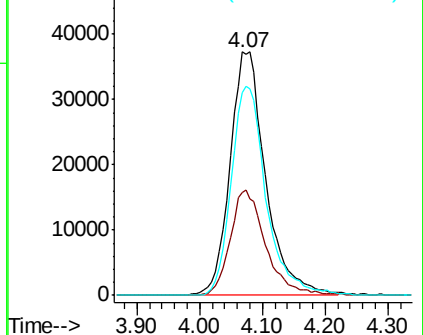
151 83.3 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.495 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

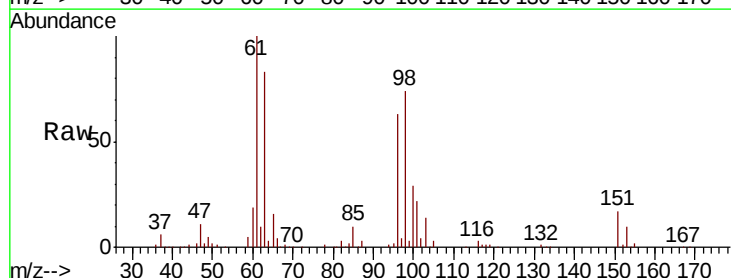
Tgt Ion: 96 Resp: 129778

Ion Ratio Lower Upper

96 100

61 158.9 103.8 192.8

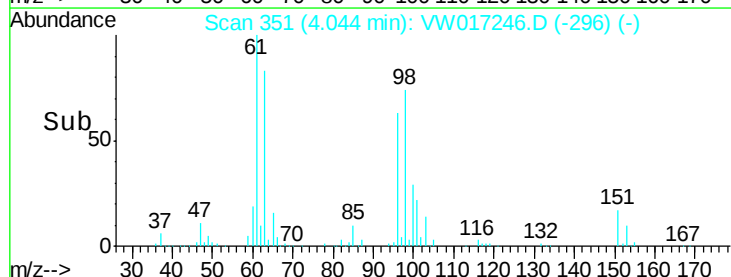
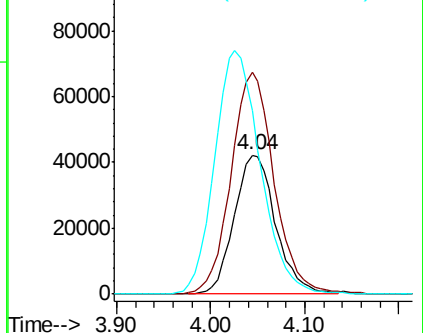
63 131.8 84.4 156.7

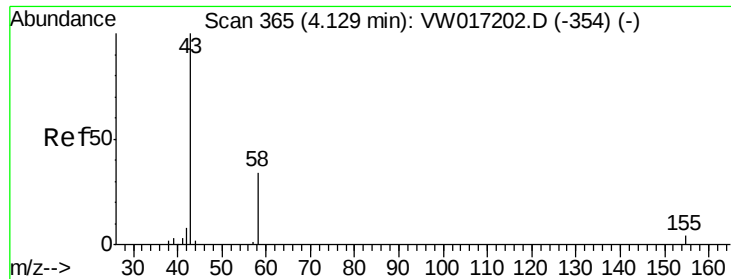


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

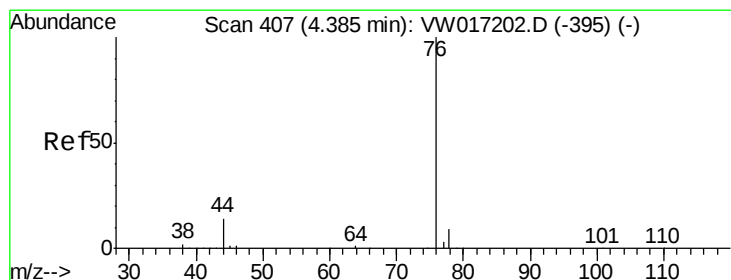
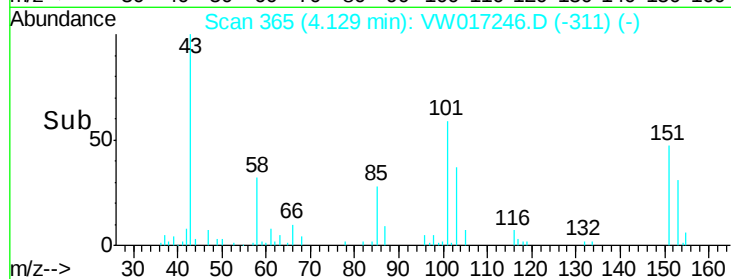
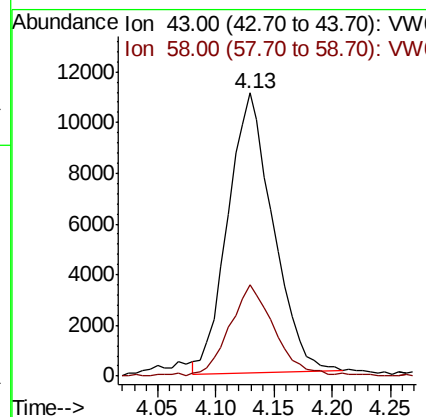
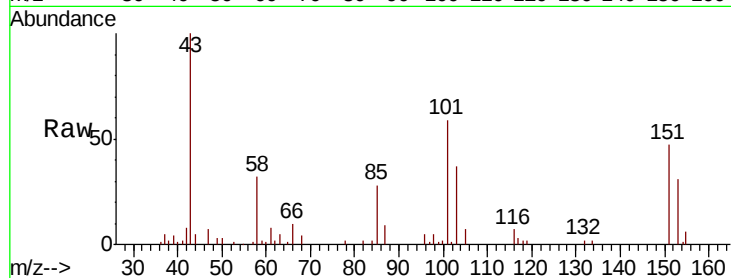




#13
Acetone
Concen: 35.454 ug/L
RT: 4.13 min Scan# 365
Delta R.T. -0.00 min
Lab File: VW017246.D
Acq: 16 Nov 2020 10:14

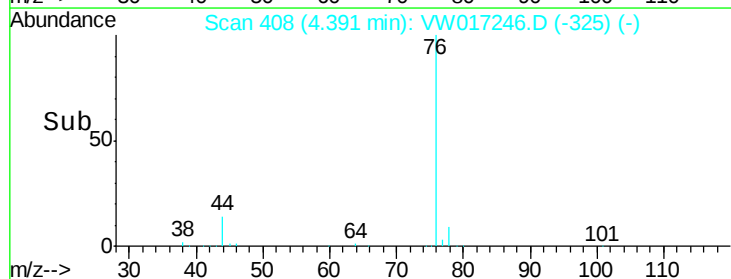
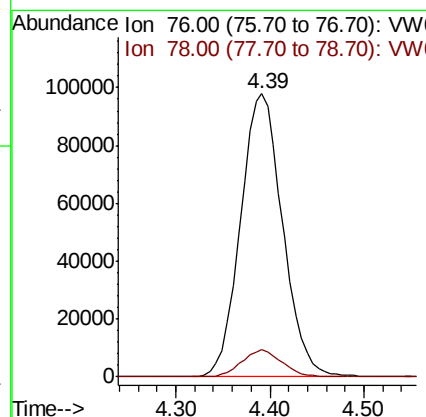
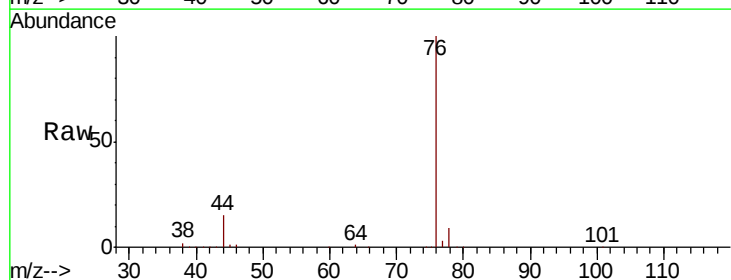
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

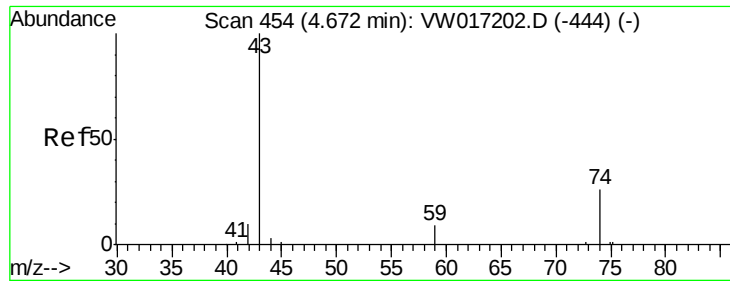
Tot Ion: 43 Resp: 29758
Ion Ratio Lower Upper
43 100
58 32.0 0.0 69.2



#14
Carbon disulfide
Concen: 20.307 ug/L
RT: 4.39 min Scan# 408
Delta R.T. 0.01 min
Lab File: VW017246.D
Acq: 16 Nov 2020 10:14

Tgt Ion: 76 Resp: 305248
Ion Ratio Lower Upper
76 100
78 9.5 7.6 11.4

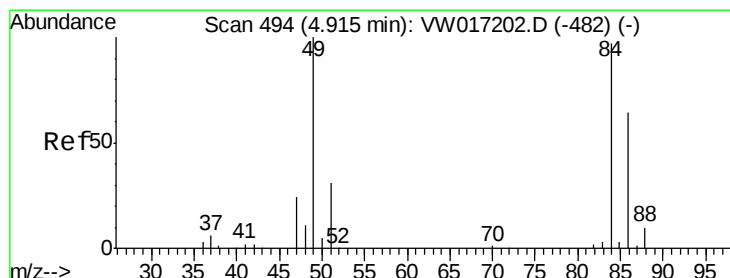
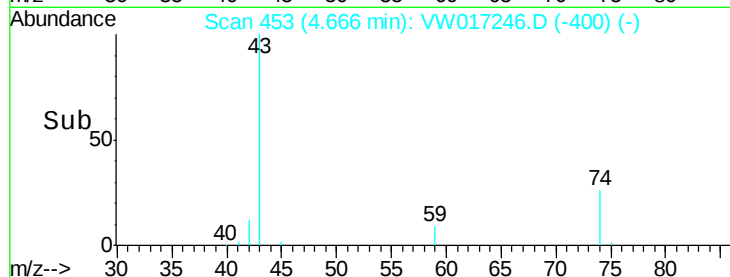
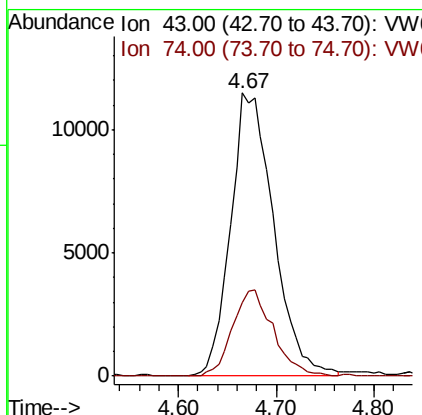
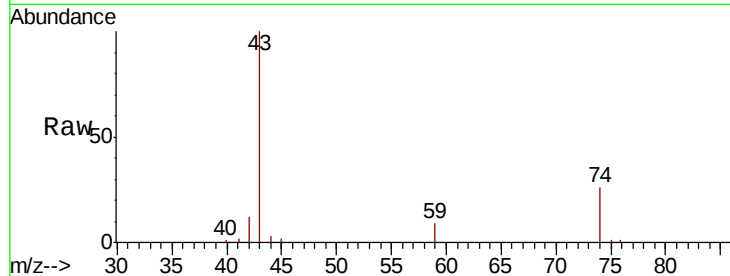




#15
Methvl Acetate
Concen: 16.881 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW017246.D
Acq: 16 Nov 2020 10:14

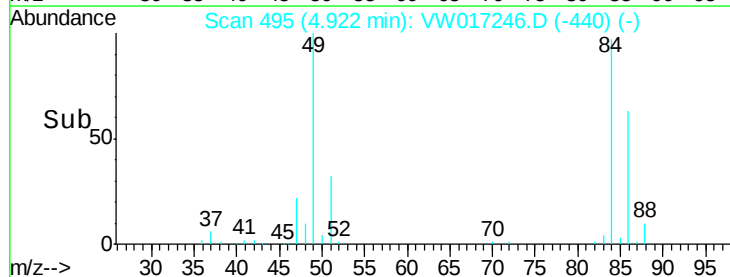
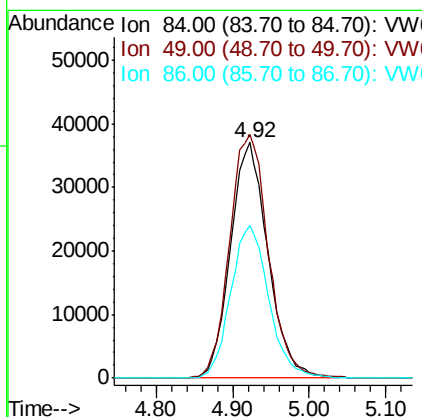
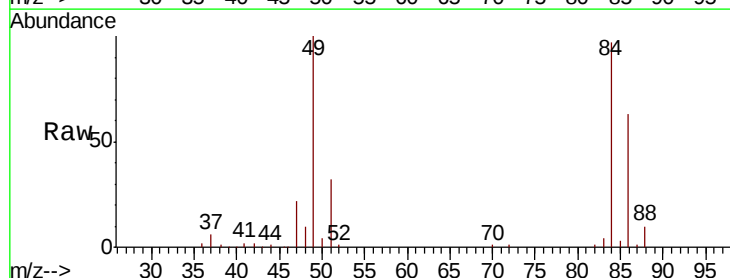
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

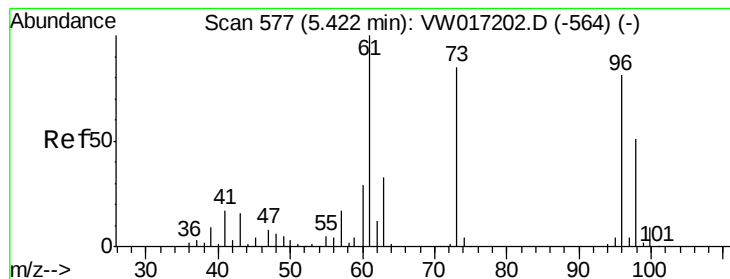
Tot Ion: 43 Resp: 35118
Ion Ratio Lower Upper
43 100
74 28.7 21.5 32.3



#16
Methylene chloride
Concen: 20.984 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017246.D
Acq: 16 Nov 2020 10:14

Tgt Ion: 84 Resp: 125904
Ion Ratio Lower Upper
84 100
49 103.2 72.3 134.3
86 64.8 45.1 83.7



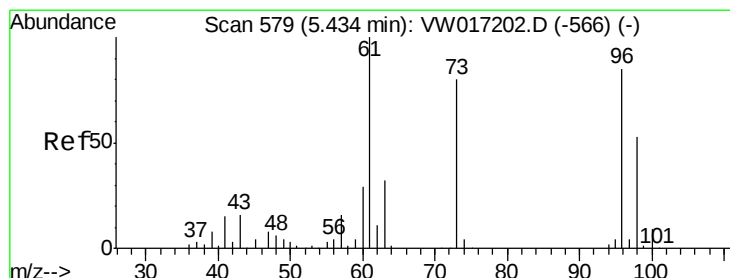
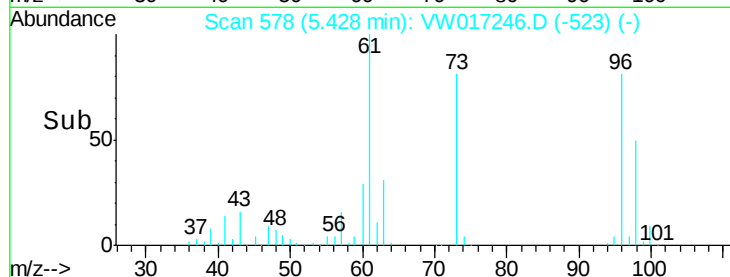
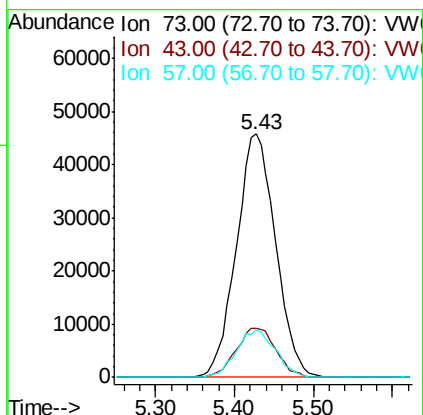
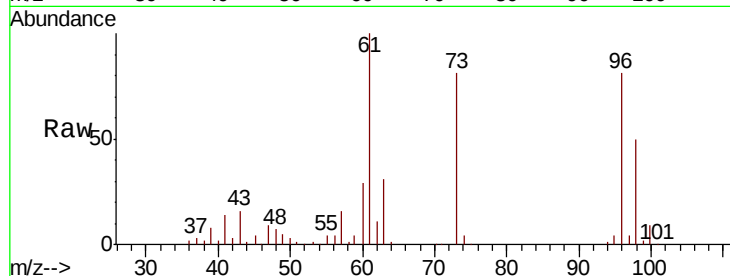


#17

Methvl tert-butvl Ether
 Concen: 23.494 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW017246.D
 Acq: 16 Nov 2020 10:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

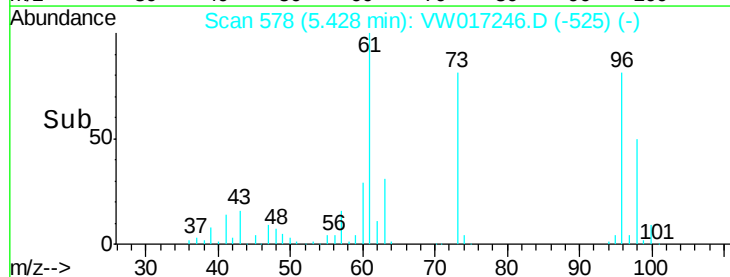
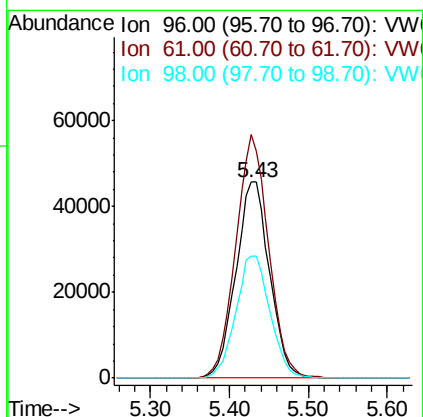
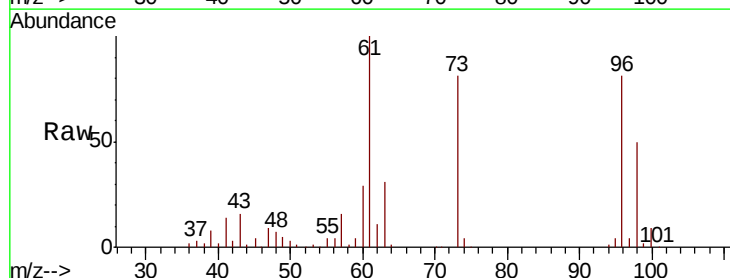
Tot Ion: 73 Resp: 158462
 Ion Ratio Lower Upper
 73 100
 43 20.7 14.5 21.7
 57 19.6 16.3 24.5

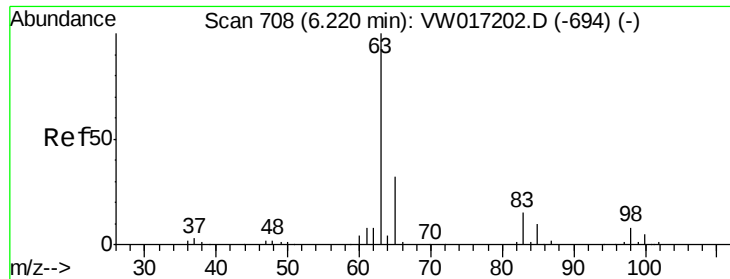


#18

trans-1,2-Dichloroethene
 Concen: 23.813 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW017246.D
 Acq: 16 Nov 2020 10:14

Tgt Ion: 96 Resp: 136153
 Ion Ratio Lower Upper
 96 100
 61 124.2 86.8 161.2
 98 62.2 44.4 82.4

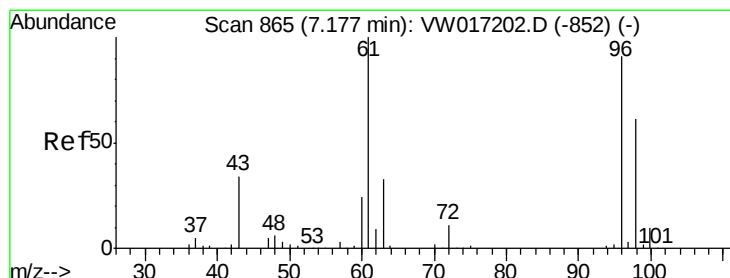
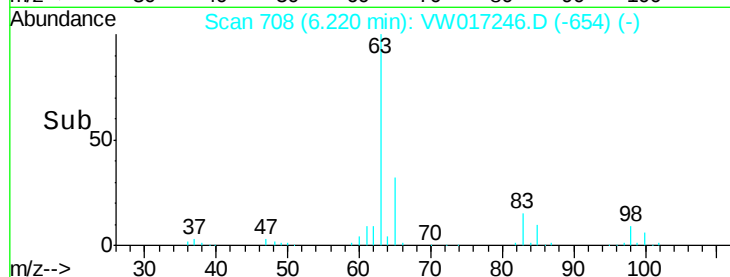
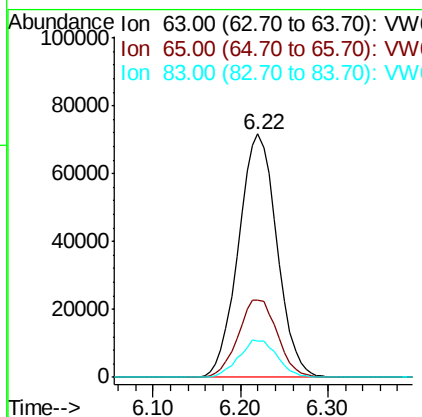
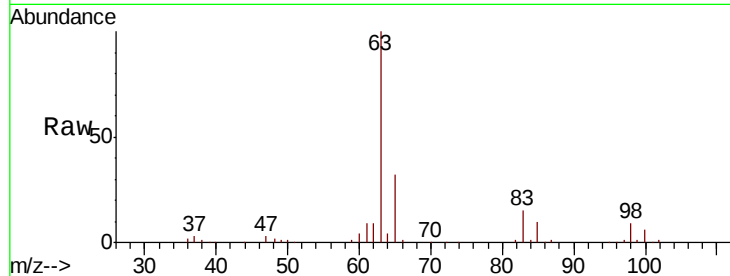




#19
 1,1-Dichloroethane
 Concen: 24.141 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW017246.D
 Acq: 16 Nov 2020 10:14

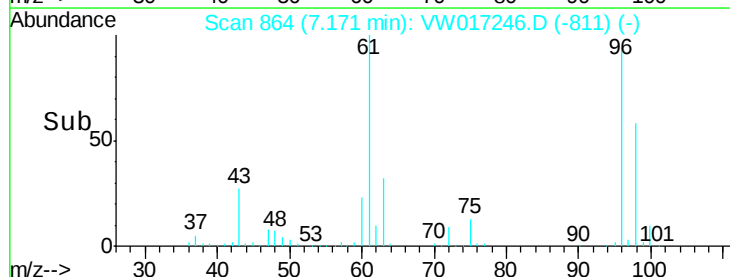
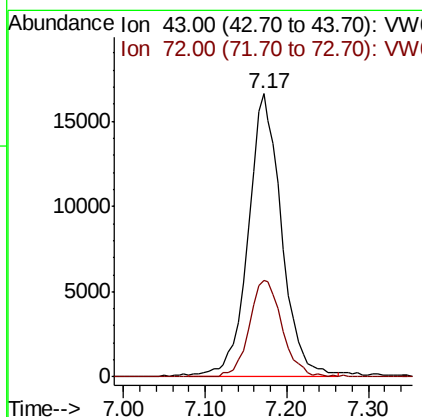
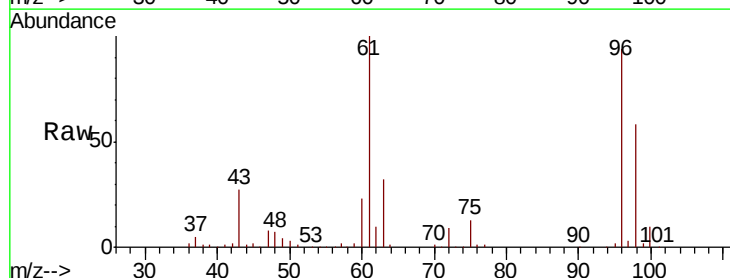
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

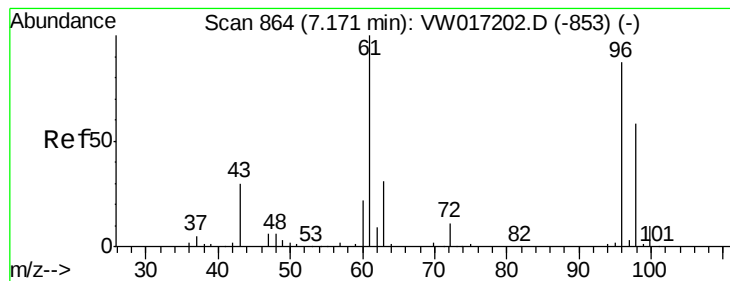
Tot Ion: 63 Resp: 218685
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.1 41.1
 83 15.0 10.0 18.6



#21
 2-Butanone
 Concen: 35.166 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW017246.D
 Acq: 16 Nov 2020 10:14

Tgt Ion: 43 Resp: 47393
 Ion Ratio Lower Upper
 43 100
 72 33.2 16.1 48.3



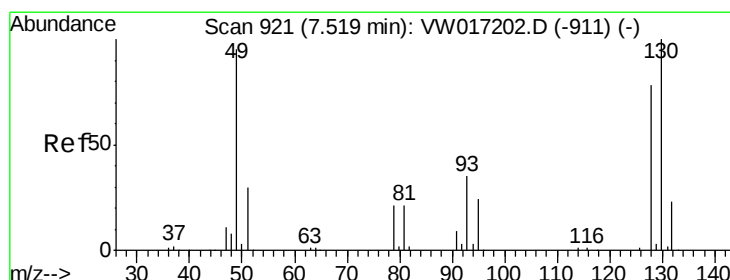
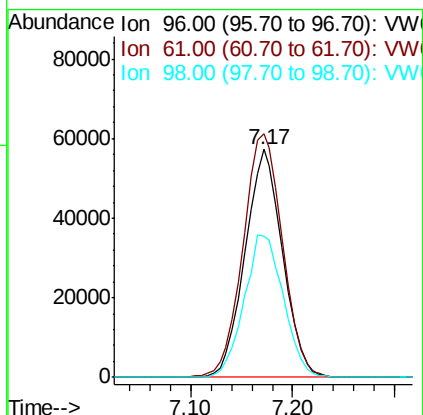
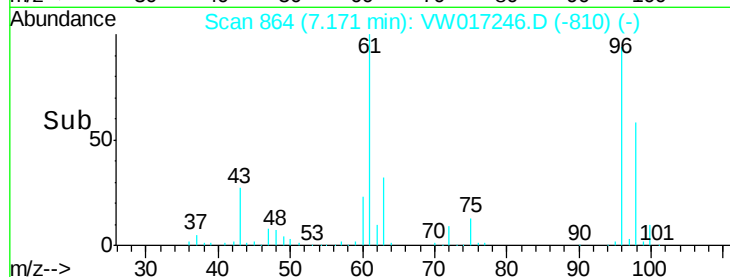
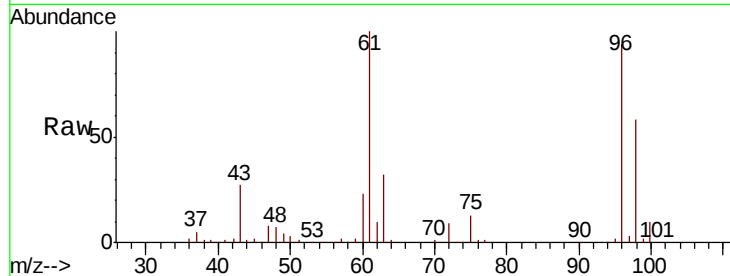


#22

cis-1,2-Dichloroethene
Concen: 24.289 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017246.D
Acq: 16 Nov 2020 10:14

Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

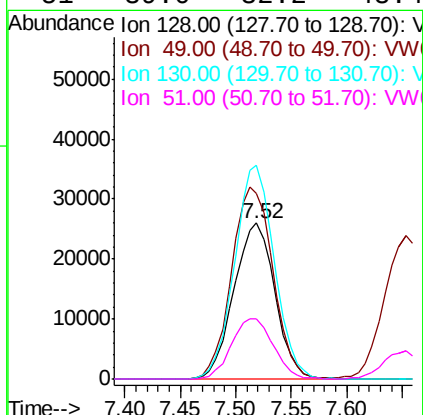
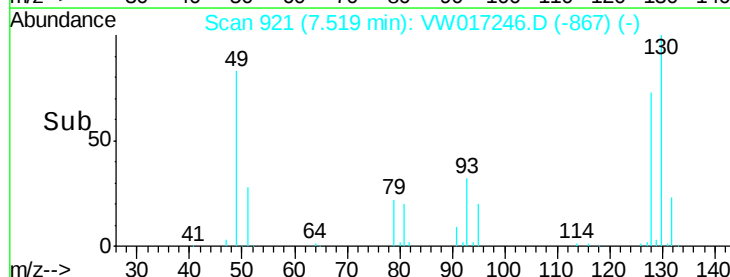
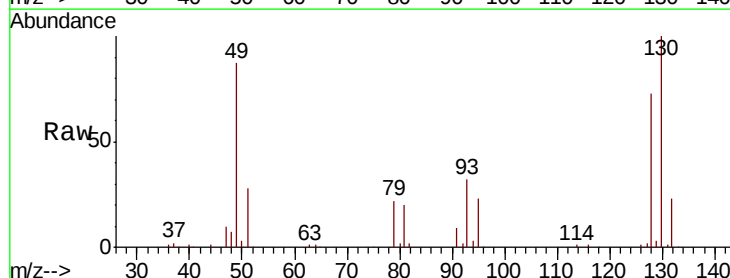
Tot Ion: 96 Resp: 146838
Ion Ratio Lower Upper
96 100
61 106.8 77.4 143.8
98 61.9 45.1 83.7

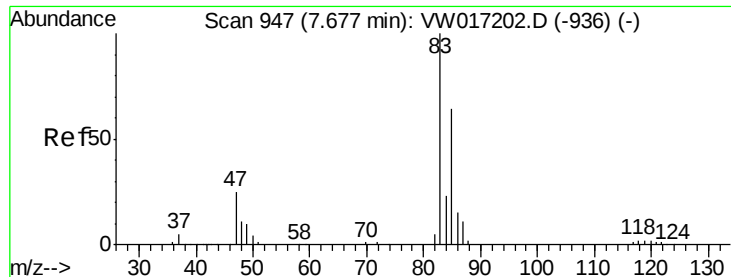


#23

Bromochloromethane
Concen: 22.933 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW017246.D
Acq: 16 Nov 2020 10:14

Tgt Ion: 128 Resp: 66749
Ion Ratio Lower Upper
128 100
49 118.9 88.3 163.9
130 136.9 95.6 177.6
51 39.0 32.2 48.4

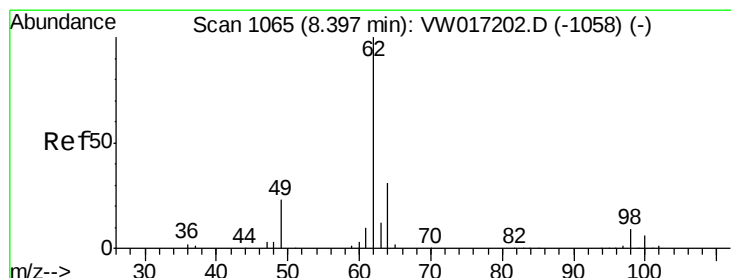
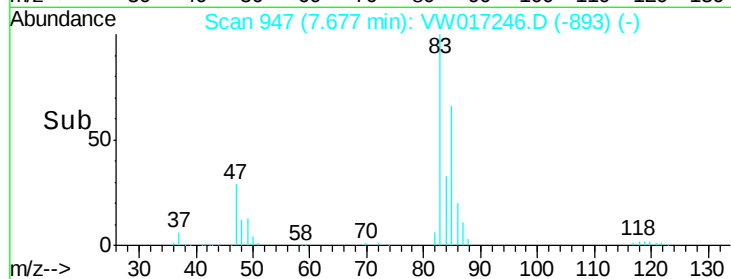
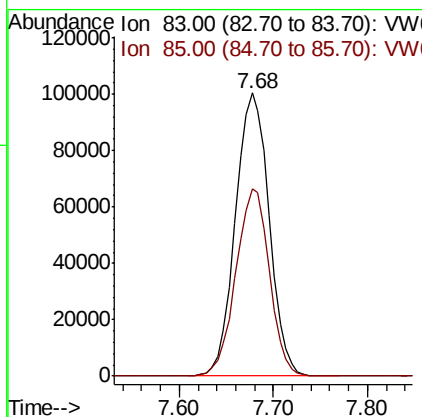
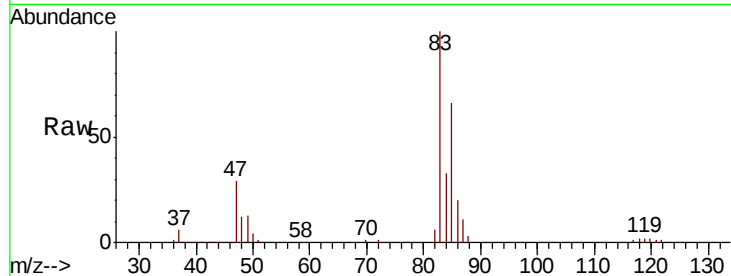




#25
Chloroform
Concen: 25.481 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW017246.D
Acq: 16 Nov 2020 10:14

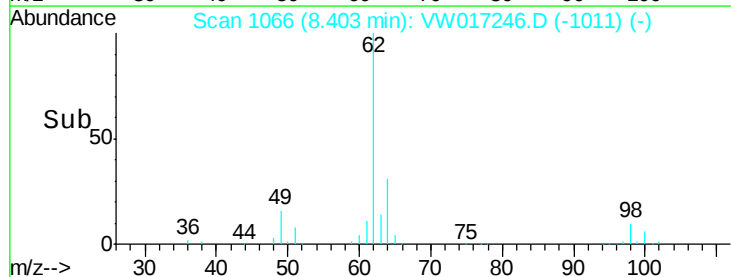
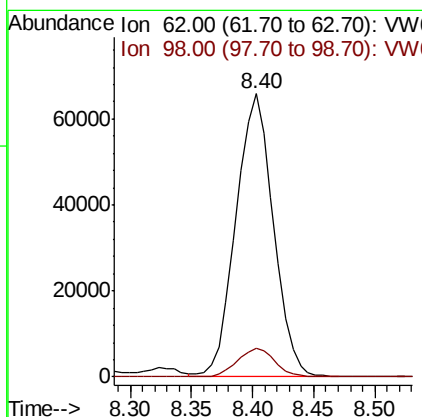
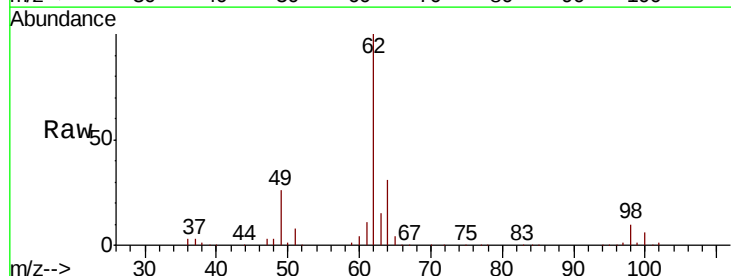
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

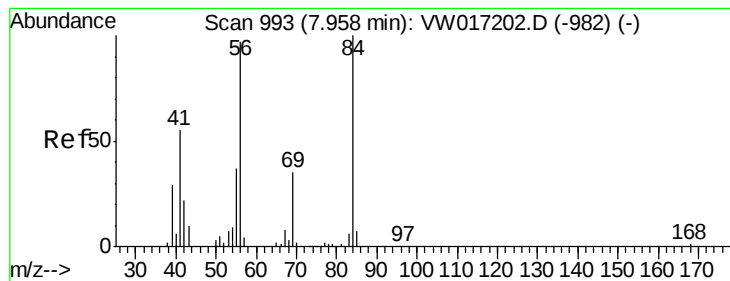
Tot Ion: 83 Resp: 251302
Ion Ratio Lower Upper
83 100
85 66.1 46.4 86.2



#27
1,2-Dichloroethane
Concen: 23.751 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW017246.D
Acq: 16 Nov 2020 10:14

Tgt Ion: 62 Resp: 140375
Ion Ratio Lower Upper
62 100
98 10.3 9.4 14.0





#30

Cyclohexane

Concen: 23.176 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

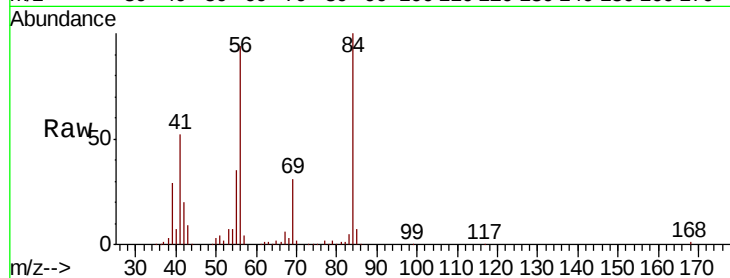
Tot Ion: 56 Resp: 174588

Ion Ratio Lower Upper

56 100

69 33.8 26.1 39.1

84 105.7 79.1 118.7

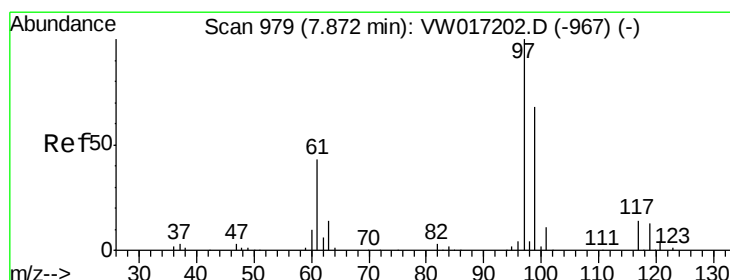
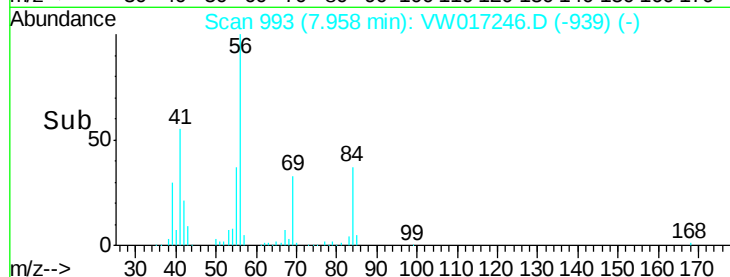
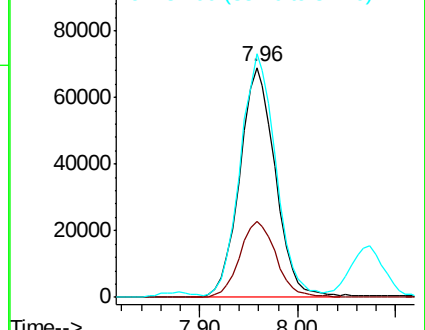


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 28.337 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

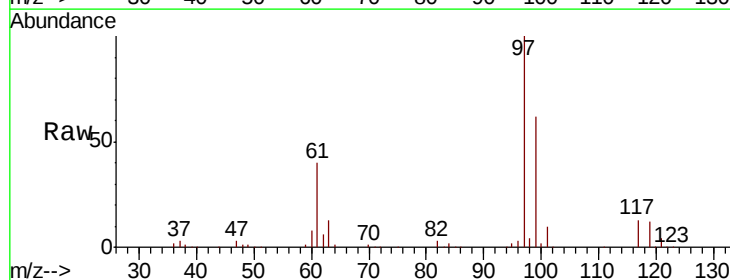
Tgt Ion: 97 Resp: 232172

Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.0

61 41.1 31.6 47.4

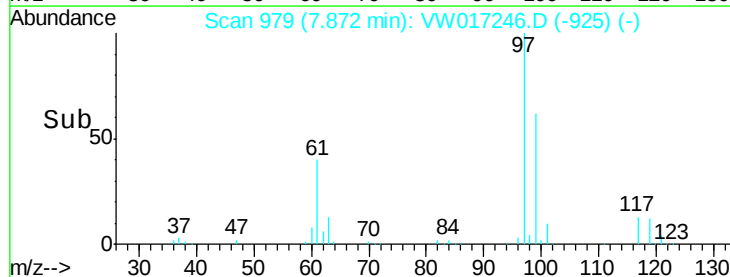
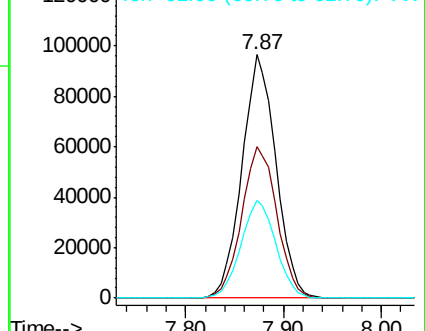


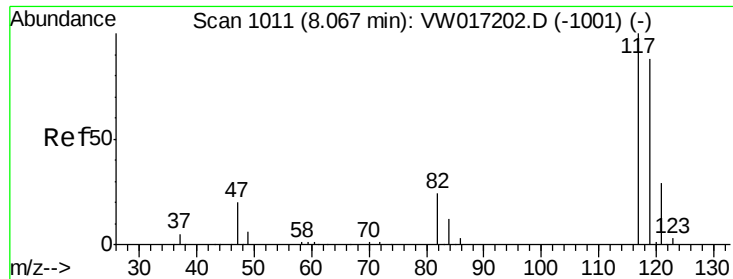
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 28.046 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

Instrument :

MSVOA_W

ClientSampleId :

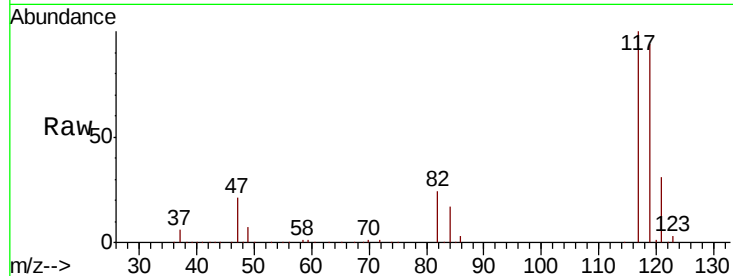
VSTD02530

Tot Ion:117 Resp: 221735

Ion Ratio Lower Upper

117 100

119 94.8 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

100000

80000

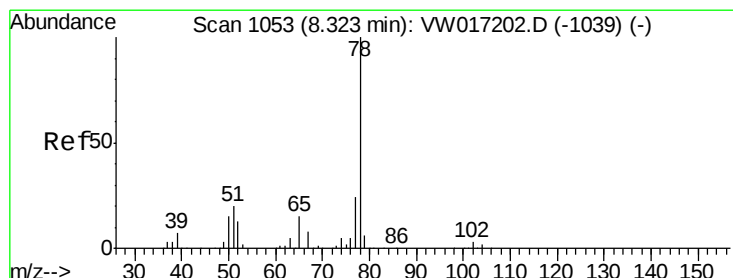
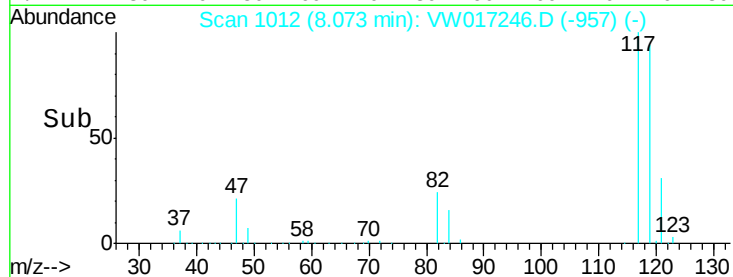
60000

40000

20000

0

Time-->



#34

Benzene

Concen: 24.243 ug/L

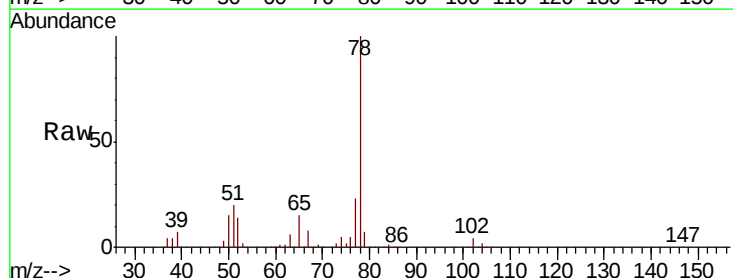
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

Tgt Ion: 78 Resp: 509306



Abundance Ion 78.00 (77.70 to 78.70): VW

250000

200000

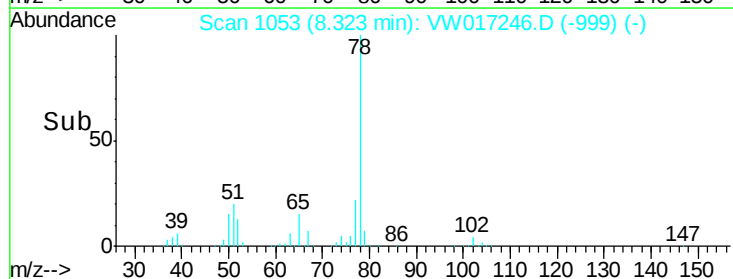
150000

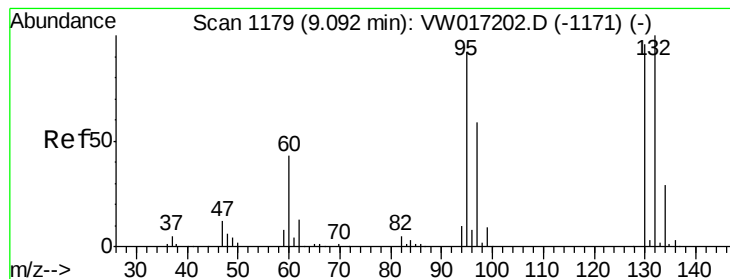
100000

50000

0

Time-->





#35

Trichloroethene

Concen: 25.386 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

Tot Ion: 95 Resp: 149398

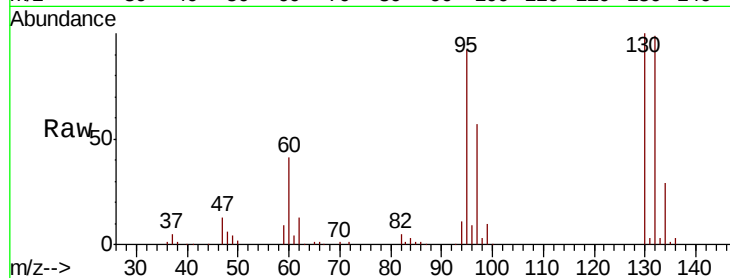
Ion Ratio Lower Upper

95 100

97 64.2 45.0 83.6

132 104.0 73.7 136.9

130 110.0 77.1 143.1

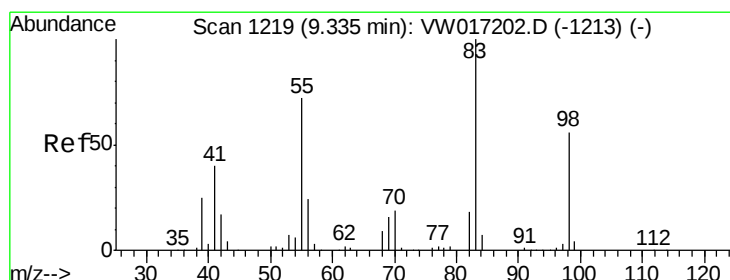
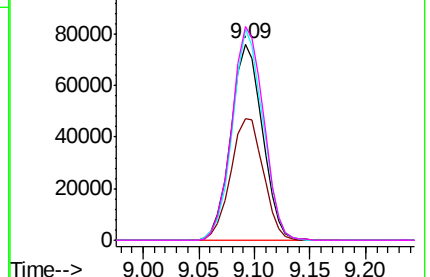
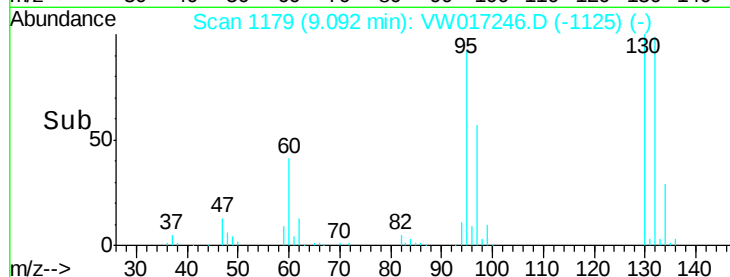


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 24.378 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

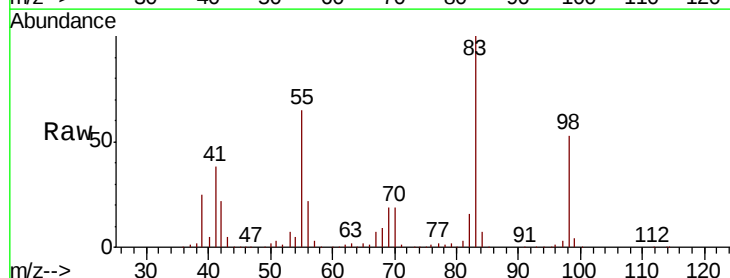
Tgt Ion: 83 Resp: 230858

Ion Ratio Lower Upper

83 100

55 65.5 54.4 81.6

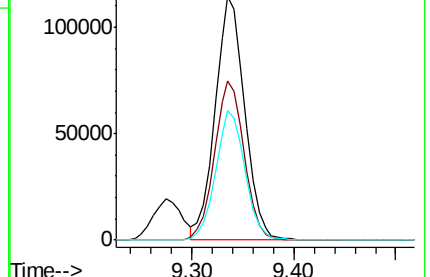
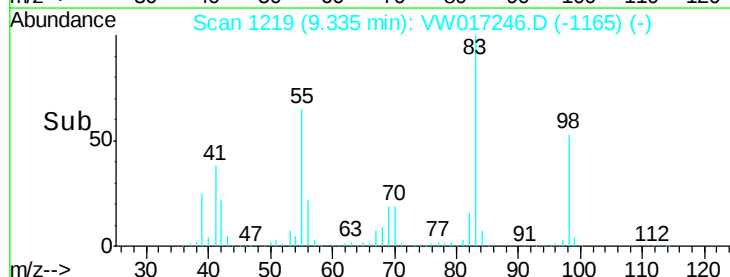
98 52.4 40.5 60.7

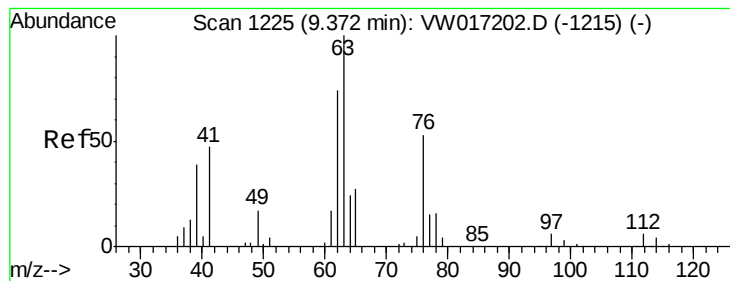


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 23.551 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

Instrument :

MSVOA_W

ClientSampled :

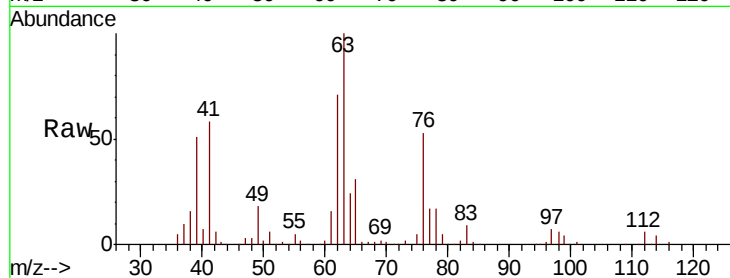
VSTD02530

Tot Ion: 63 Resp: 115661

Ion Ratio Lower Upper

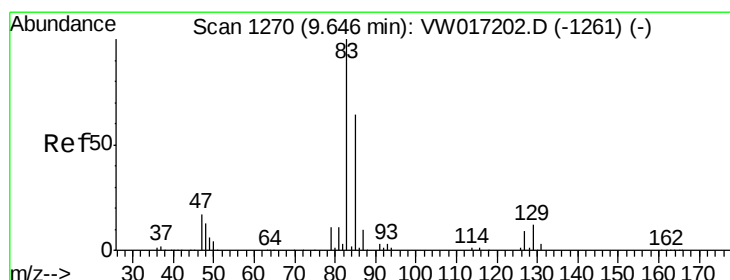
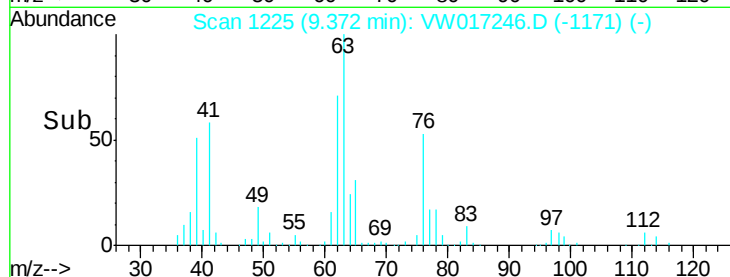
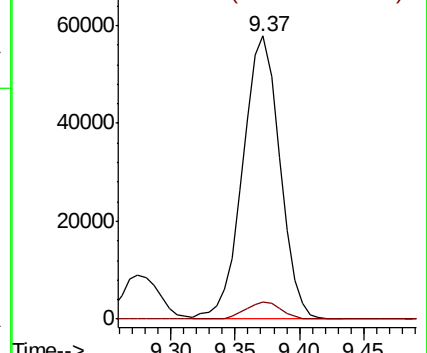
63 100

112 5.8 4.2 6.2



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 25.720 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

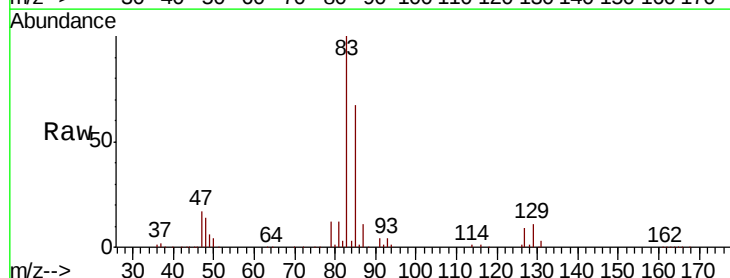
Tgt Ion: 83 Resp: 174696

Ion Ratio Lower Upper

83 100

85 66.7 44.4 82.4

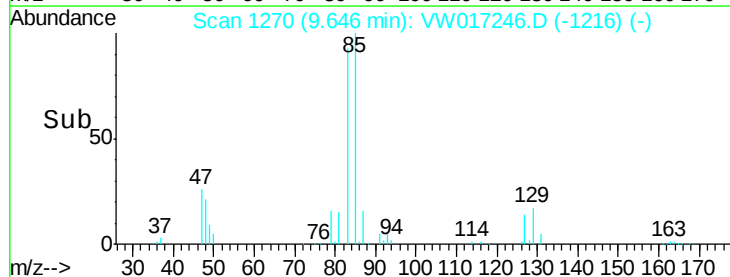
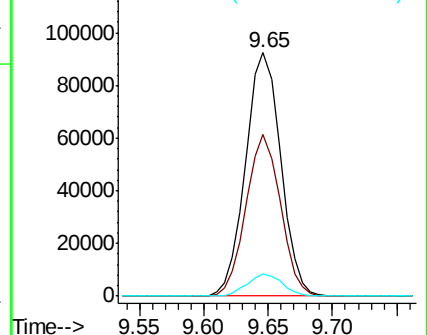
127 9.4 7.3 10.9

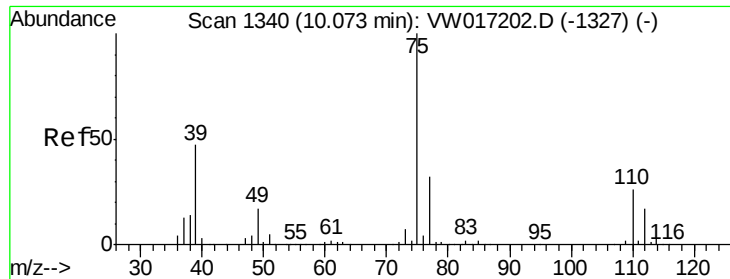


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

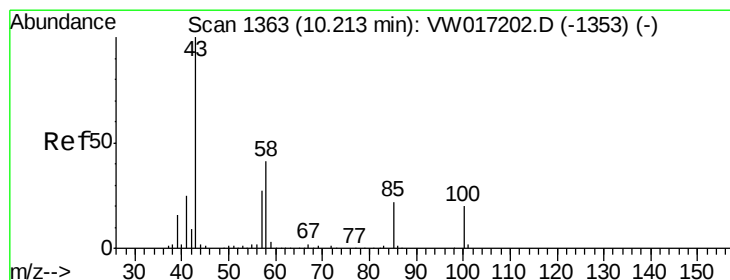
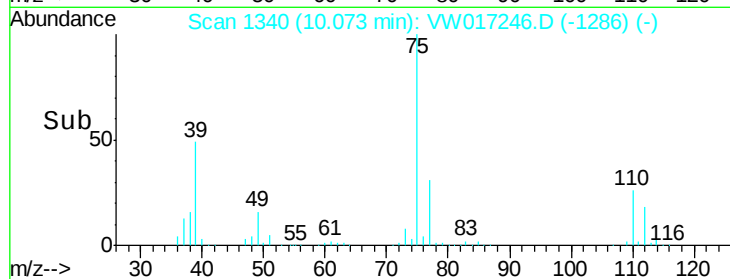
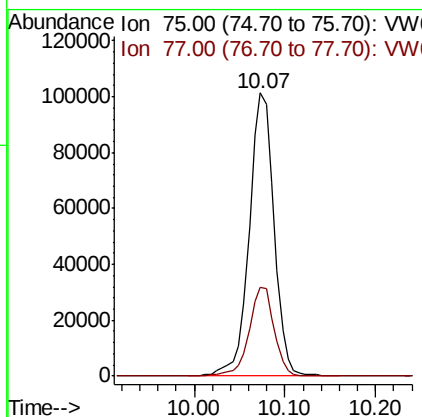
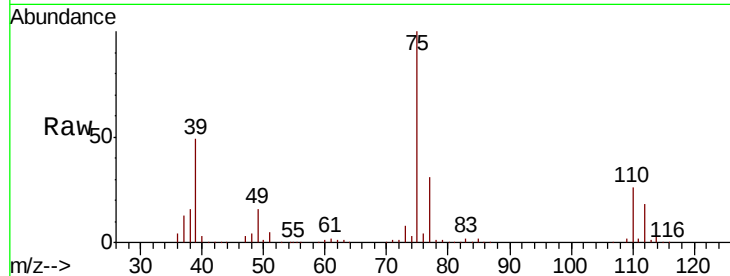




#42
 cis-1,3-Dichloropropene
 Concen: 24.729 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW017246.D
 Acq: 16 Nov 2020 10:14

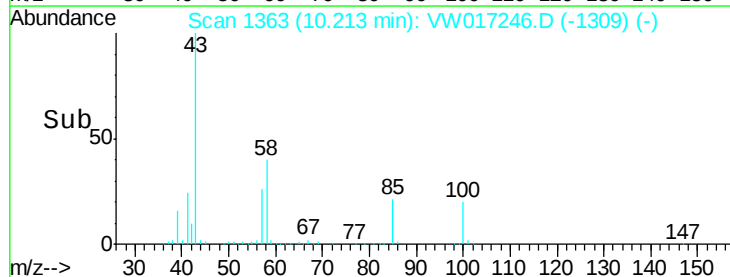
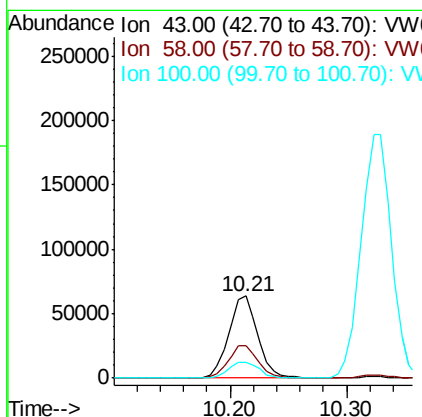
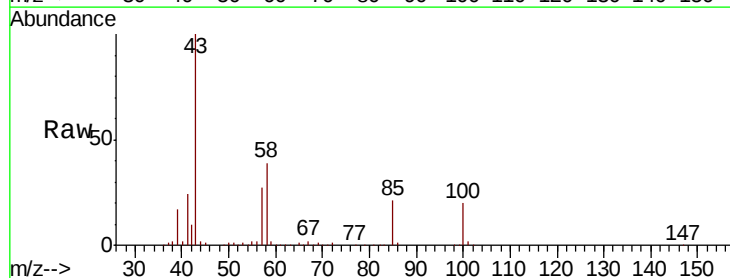
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02530

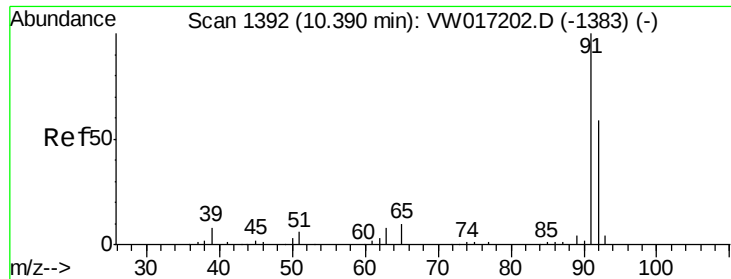
Tot Ion: 75 Resp: 192358
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.0 41.0



#43
 4-Methyl-2-pentanone
 Concen: 36.531 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW017246.D
 Acq: 16 Nov 2020 10:14

Tgt Ion: 43 Resp: 110685
 Ion Ratio Lower Upper
 43 100
 58 40.4 35.0 52.6
 100 20.6 16.6 24.8





#44

Toluene

Concen: 25.430 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

Instrument :

MSVOA_W

ClientSampleId :

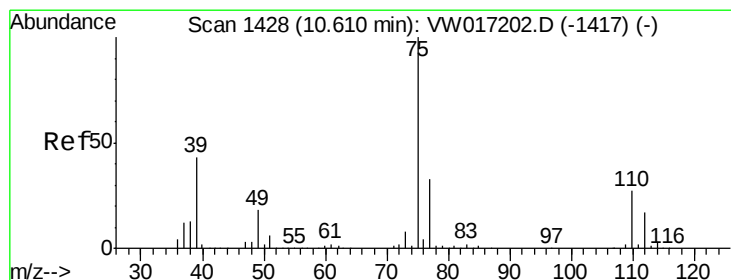
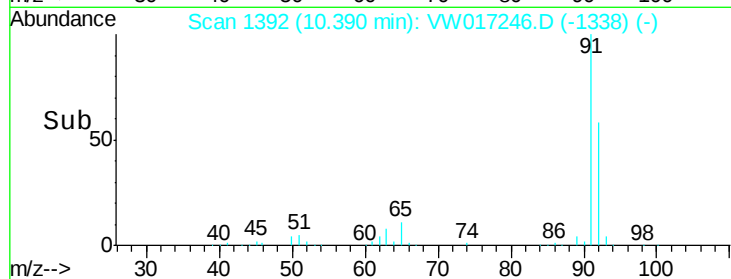
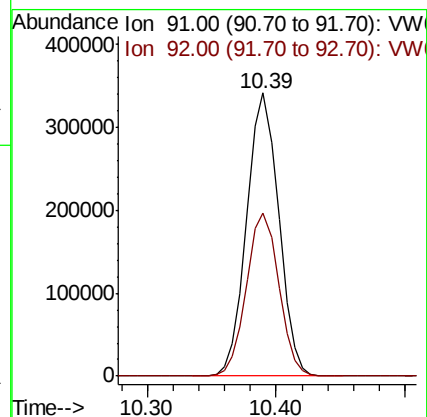
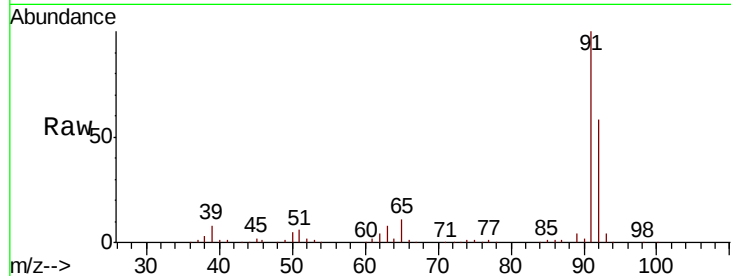
VSTD02530

Tot Ion: 91 Resp: 588064

Ion Ratio Lower Upper

91 100

92 57.8 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 24.373 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017246.D

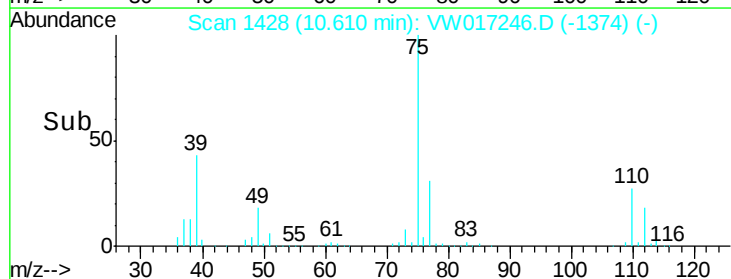
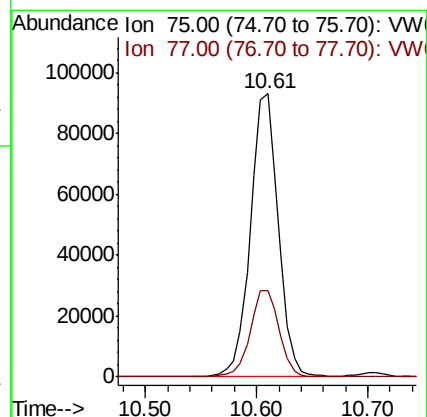
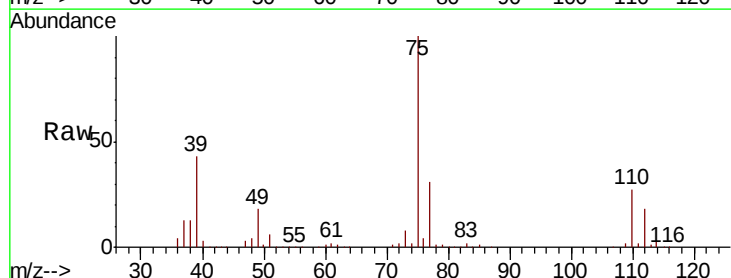
Acq: 16 Nov 2020 10:14

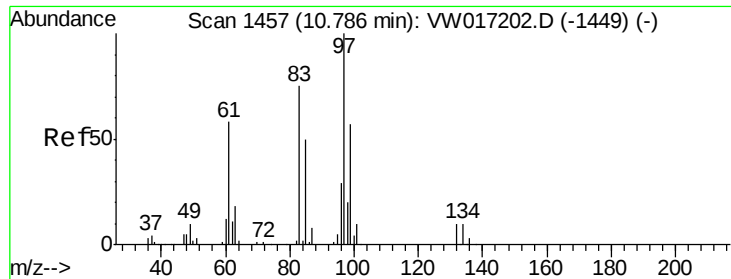
Tgt Ion: 75 Resp: 162819

Ion Ratio Lower Upper

75 100

77 30.7 22.1 41.1

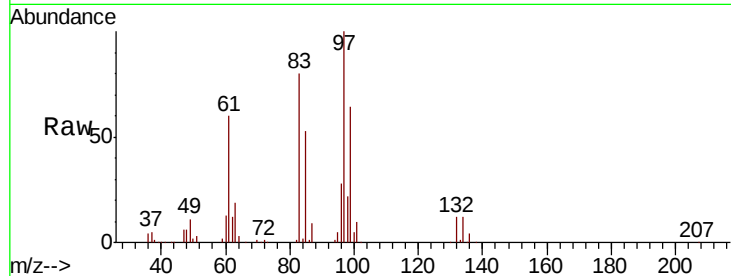




#46
 1,1,2-Trichloroethane
 Concen: 22.398 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW017246.D
 Acq: 16 Nov 2020 10:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Tot Ion:	97	Resp:	94836
Ion	Ratio	Lower	Upper
97	100		
83	80.4	57.3	106.5
85	53.1	37.2	69.0
99	64.5	45.7	84.9



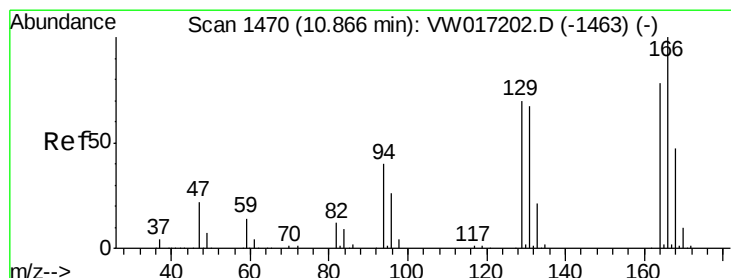
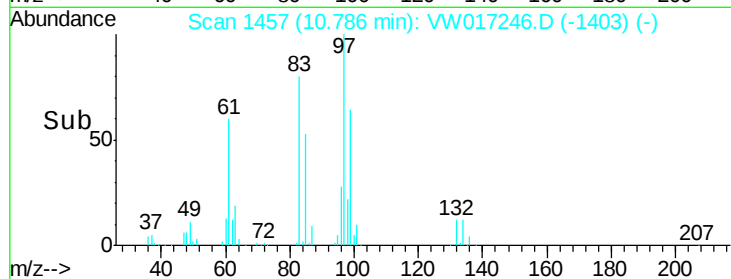
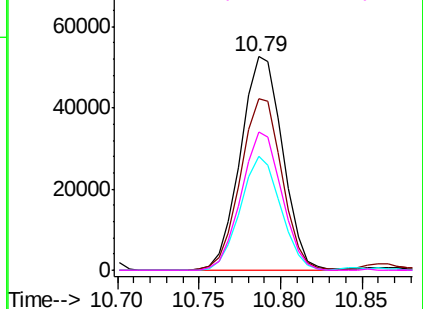
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

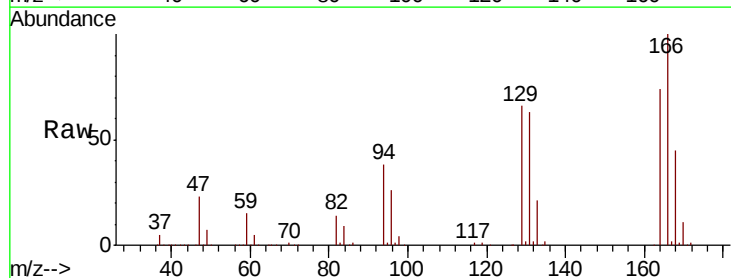
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 25.284 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW017246.D
 Acq: 16 Nov 2020 10:14

Tgt Ion:	164	Resp:	134250
Ion	Ratio	Lower	Upper
164	100		
129	88.4	62.9	116.7
131	84.2	63.3	117.5
166	134.5	92.0	170.8



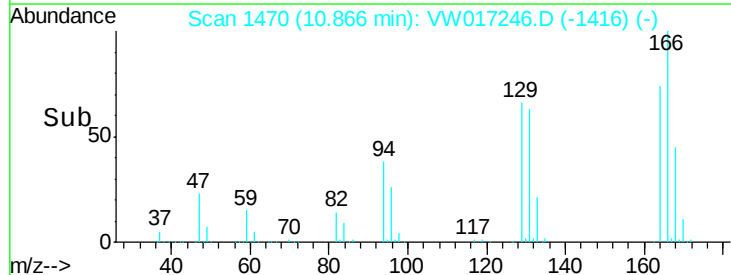
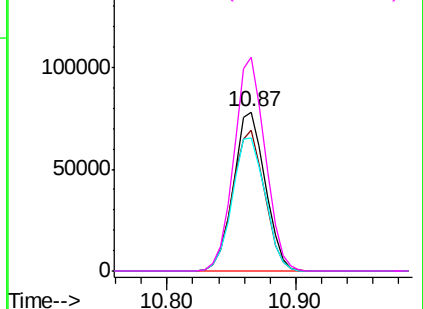
Abundance

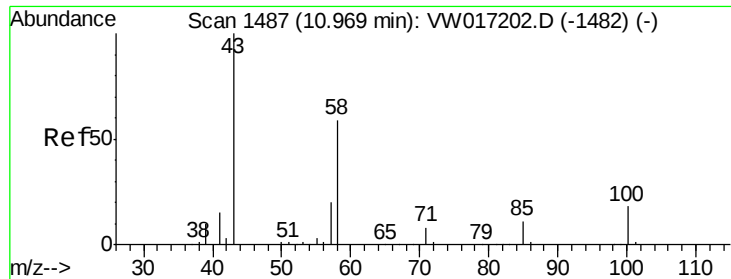
Ion 164.00 (163.70 to 164.70): V

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





#49

2-Hexanone

Concen: 38.939 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

Tot Ion: 43 Resp: 71129

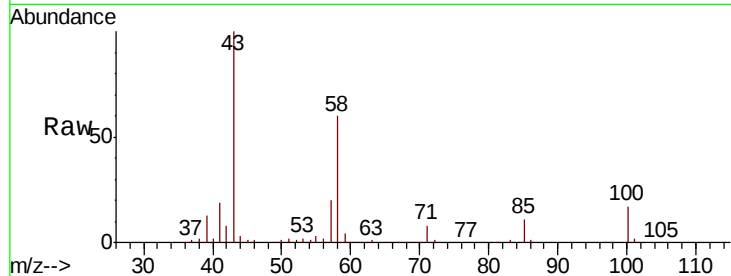
Ion Ratio Lower Upper

43 100

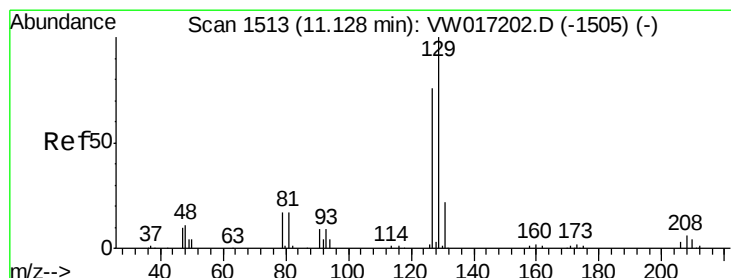
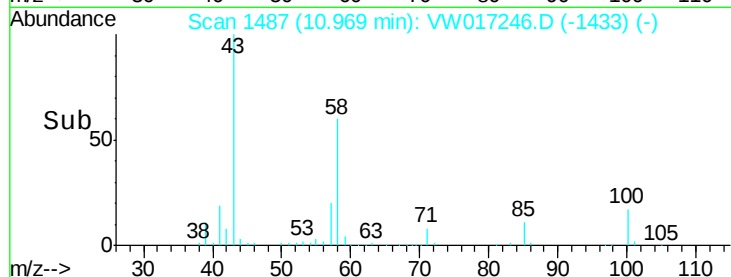
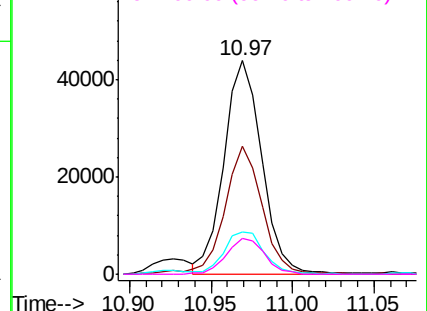
58 58.6 50.6 75.8

57 20.9 17.8 26.6

100 17.2 13.9 20.9



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



#50

Dibromochloromethane

Concen: 24.110 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017246.D

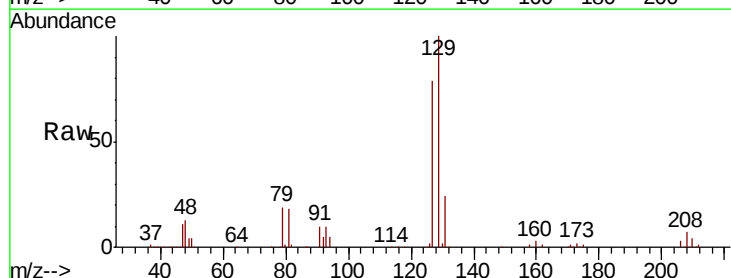
Acq: 16 Nov 2020 10:14

Tgt Ion:129 Resp: 124372

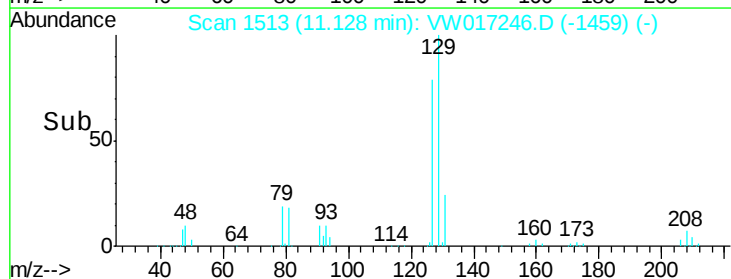
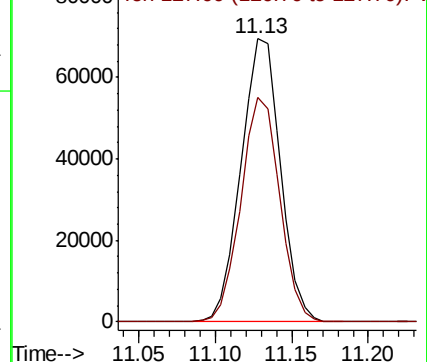
Ion Ratio Lower Upper

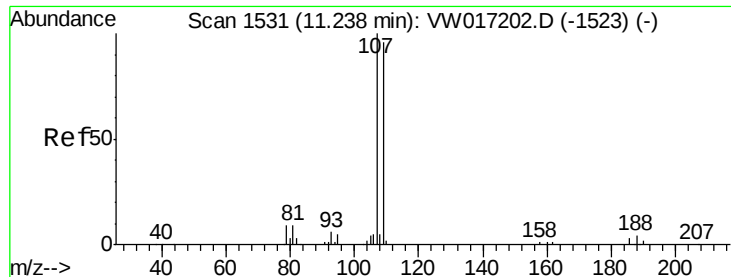
129 100

127 79.3 54.3 100.9



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





#51

1,2-Dibromoethane

Concen: 21.523 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

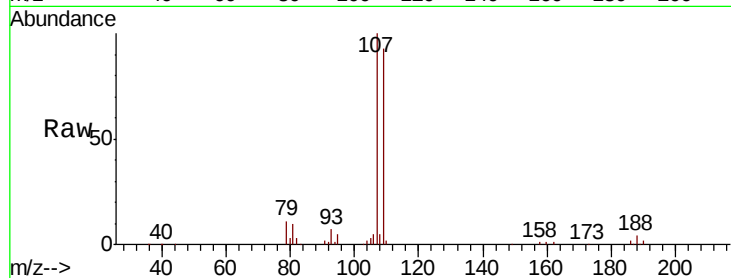
Tot Ion:107 Resp: 88536

Ion Ratio Lower Upper

107 100

109 93.4 64.3 119.5

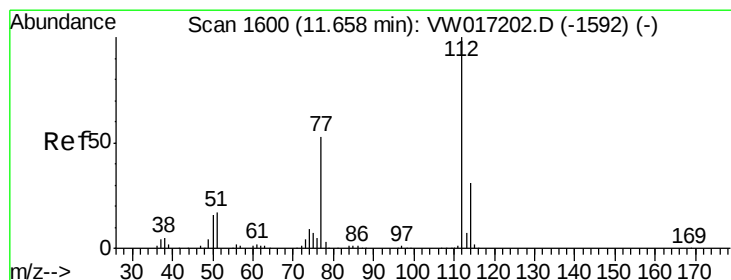
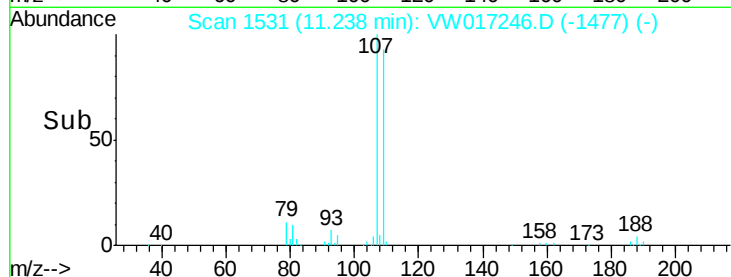
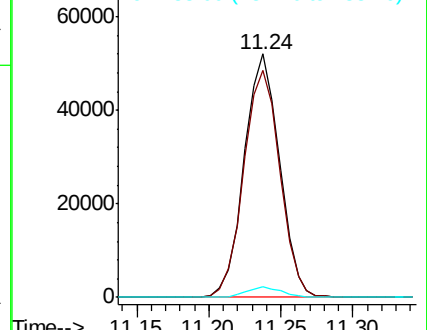
188 4.3 3.3 4.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 25.229 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

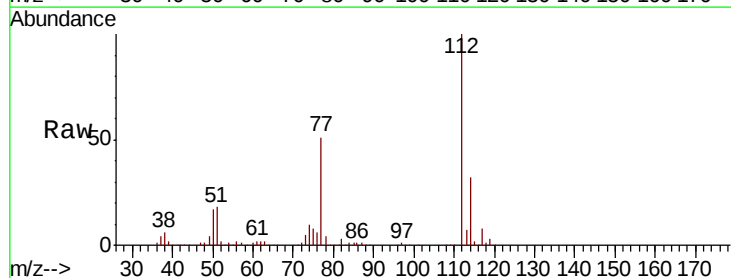
Tgt Ion:112 Resp: 394595

Ion Ratio Lower Upper

112 100

77 50.8 41.7 62.5

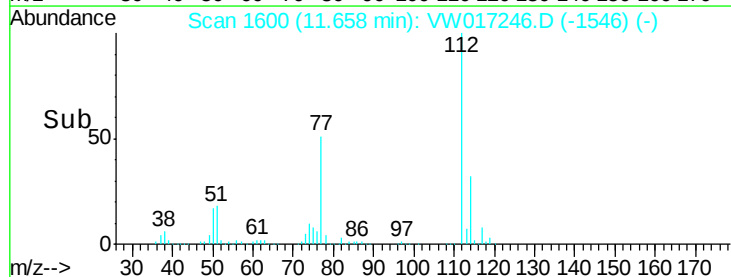
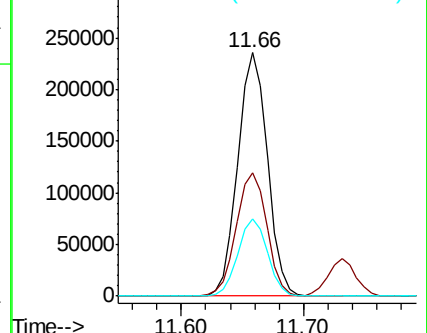
114 31.9 22.3 41.3

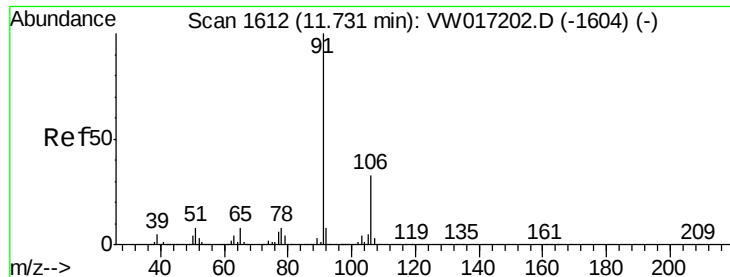


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 25.877 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

Instrument :

MSVOA_W

ClientSampleId :

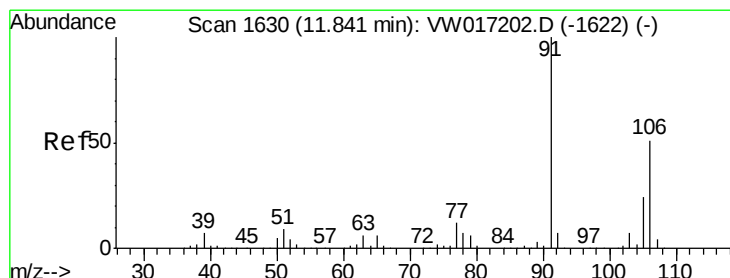
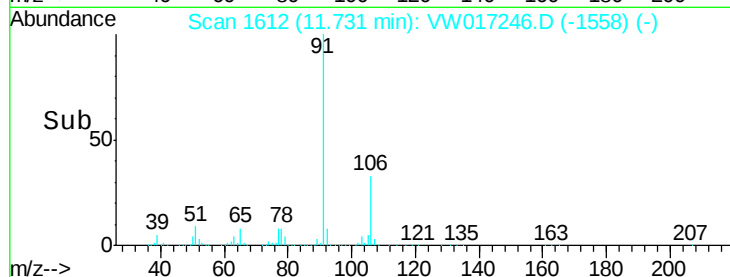
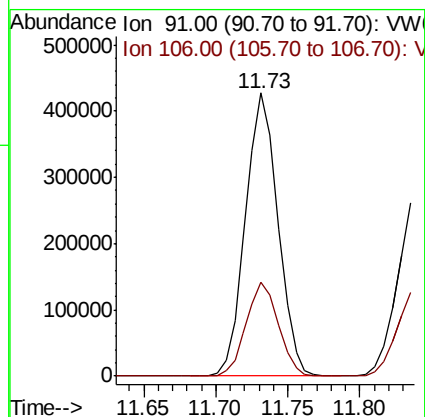
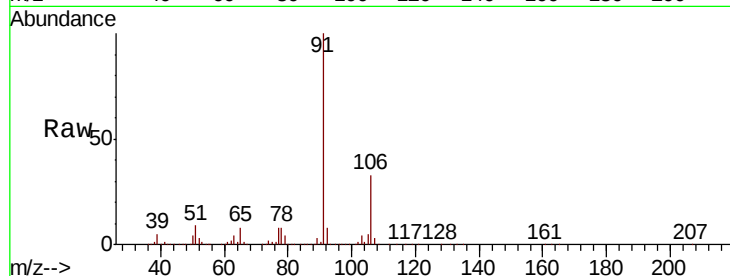
VSTD02530

Tot Ion: 91 Resp: 668388

Ion Ratio Lower Upper

91 100

106 33.0 22.9 42.5



#54

m,p-Xylene

Concen: 25.706 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017246.D

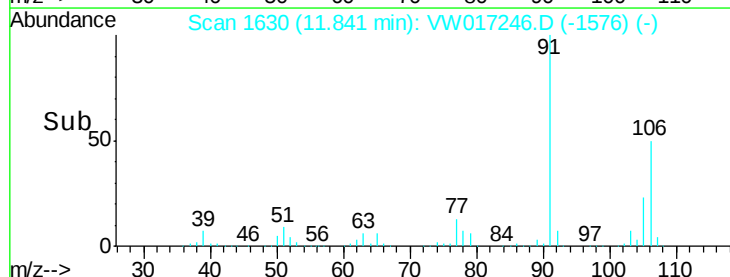
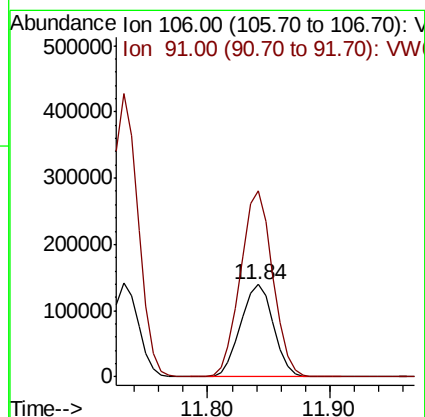
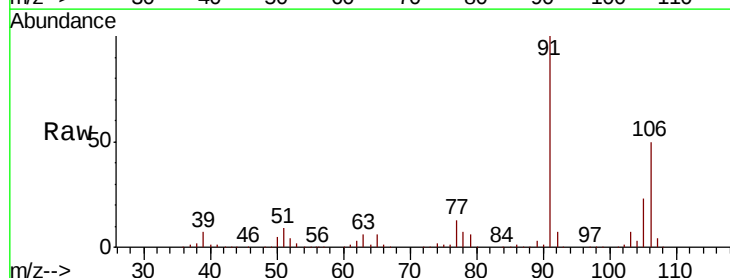
Acq: 16 Nov 2020 10:14

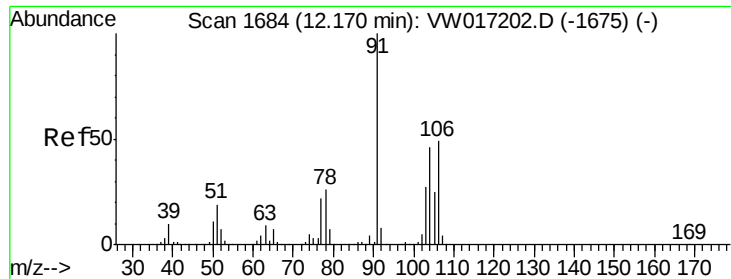
Tgt Ion: 106 Resp: 259733

Ion Ratio Lower Upper

106 100

91 201.3 138.7 257.5

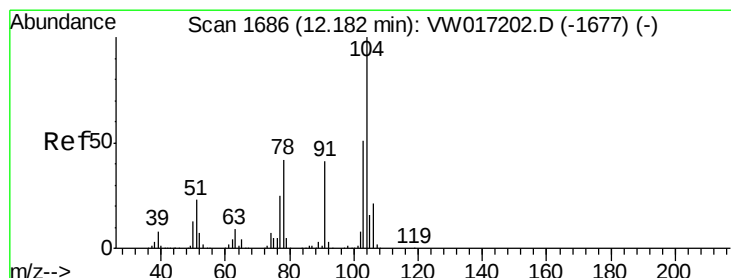
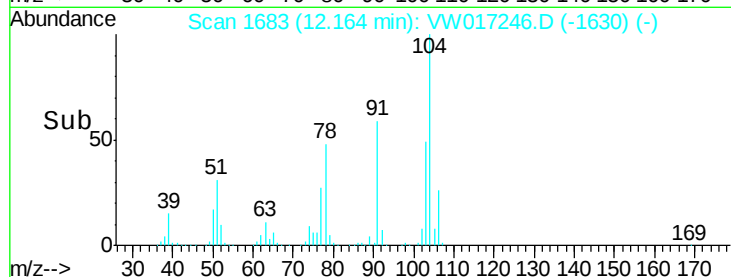
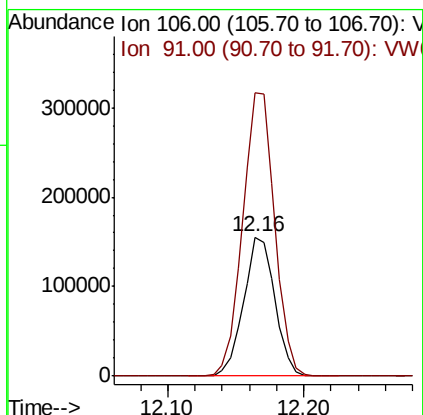
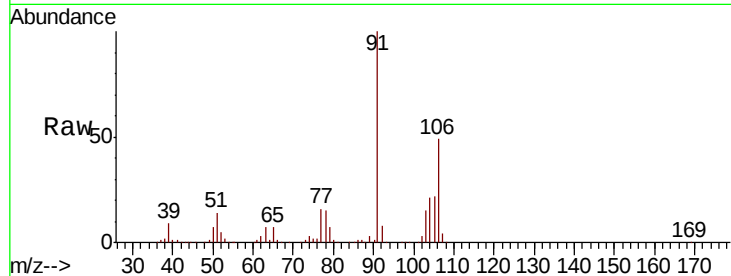




#55
o-xylene
Concen: 26.070 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW017246.D
Acq: 16 Nov 2020 10:14

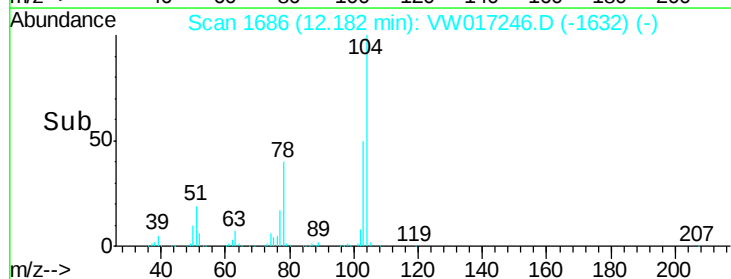
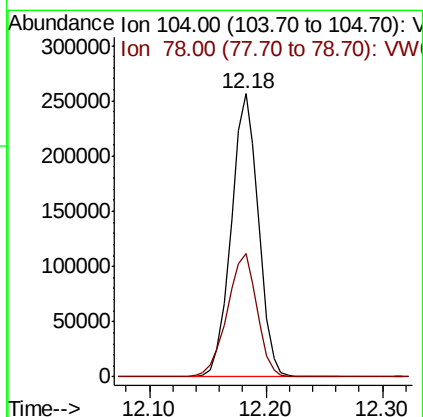
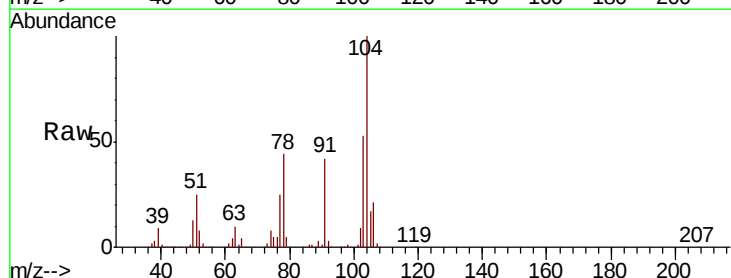
Instrument :
MSVOA_W
ClientSampled :
VSTD02530

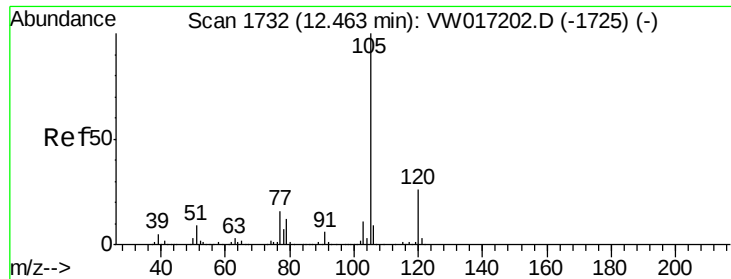
Tot Ion:106 Resp: 250020
Ion Ratio Lower Upper
106 100
91 203.6 140.8 261.4



#56
Styrene
Concen: 25.817 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017246.D
Acq: 16 Nov 2020 10:14

Tgt Ion:104 Resp: 415701
Ion Ratio Lower Upper
104 100
78 43.6 28.2 52.4





#57

Isopropylbenzene

Concen: 27.366 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

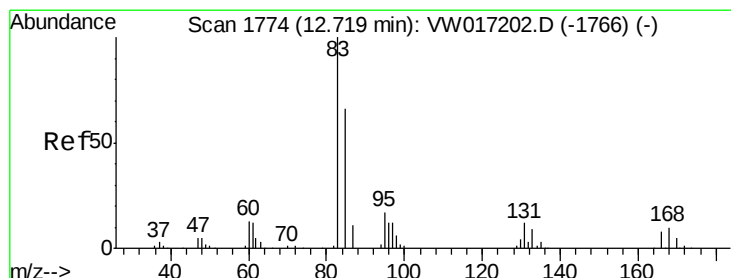
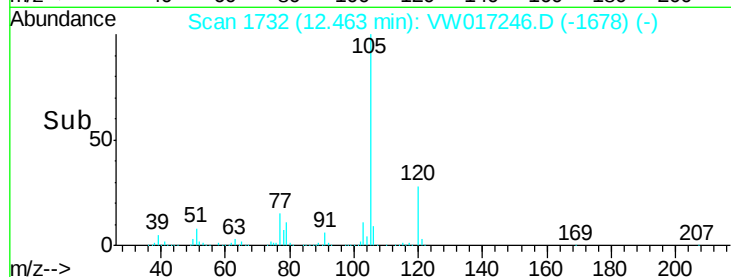
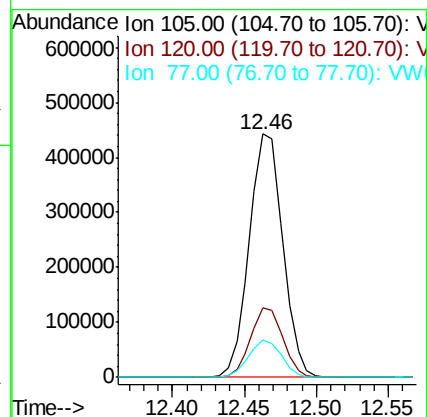
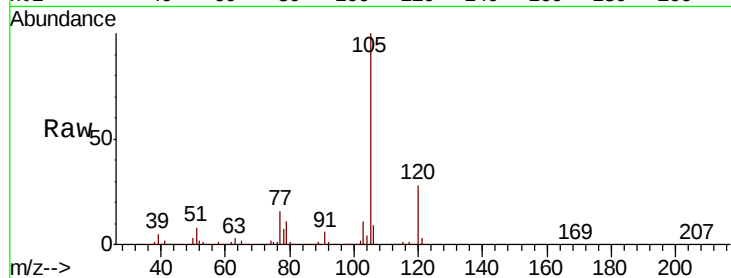
Tot Ion:105 Resp: 712262

Ion Ratio Lower Upper

105 100

120 27.7 21.8 32.6

77 15.1 11.4 17.0



#58

1,1,2,2-Tetrachloroethane

Concen: 20.322 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

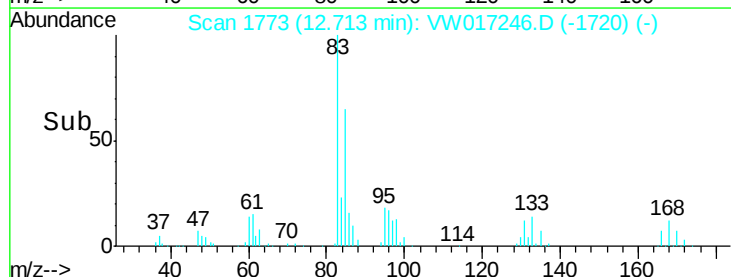
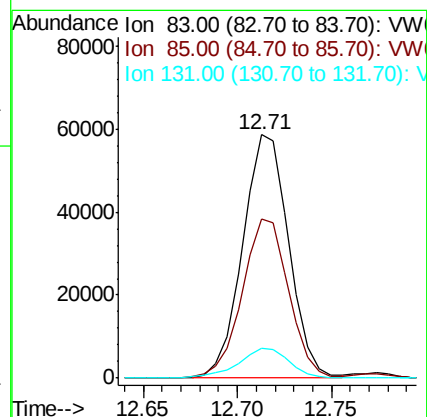
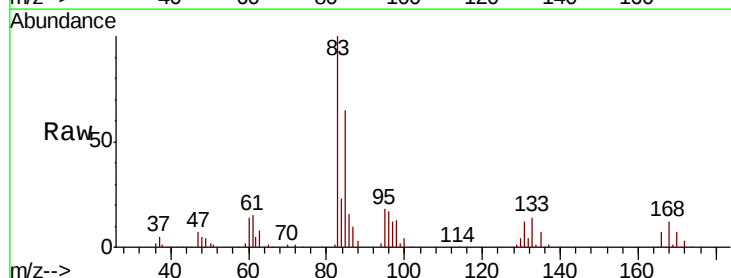
Tgt Ion: 83 Resp: 99403

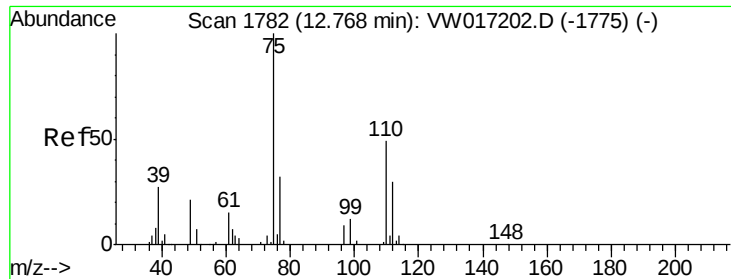
Ion Ratio Lower Upper

83 100

85 65.3 44.9 83.5

131 12.0 8.8 13.2

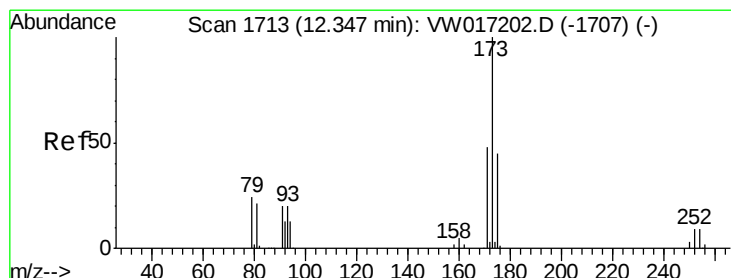
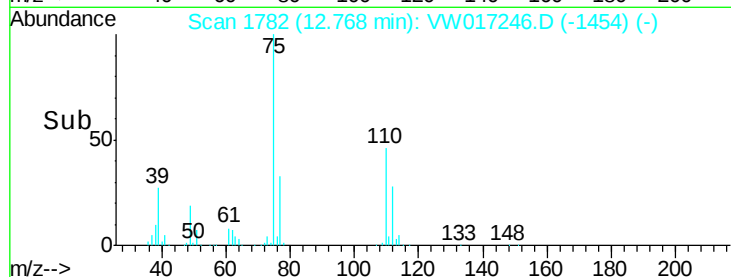
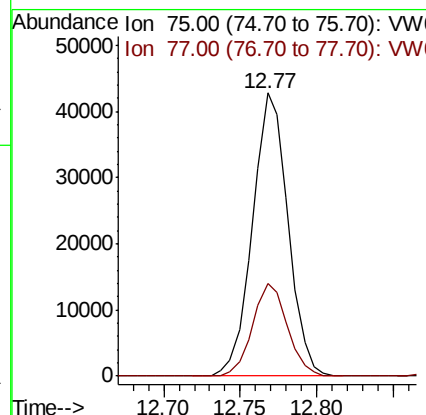
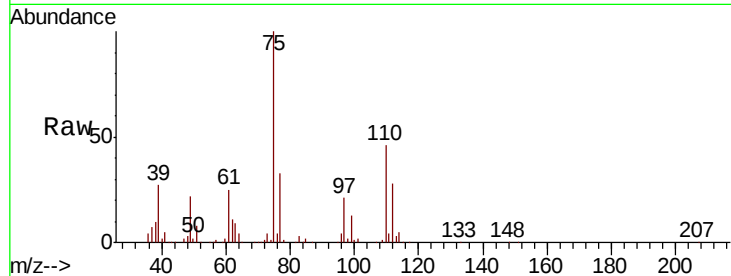




#59
 1,2,3-Trichloropropane
 Concen: 19.617 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW017246.D
 Acq: 16 Nov 2020 10:14

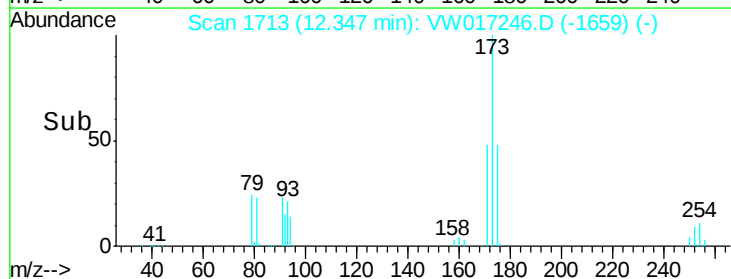
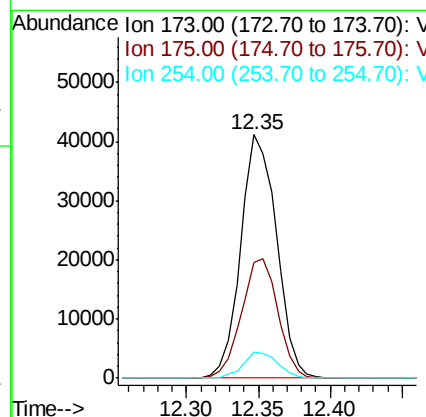
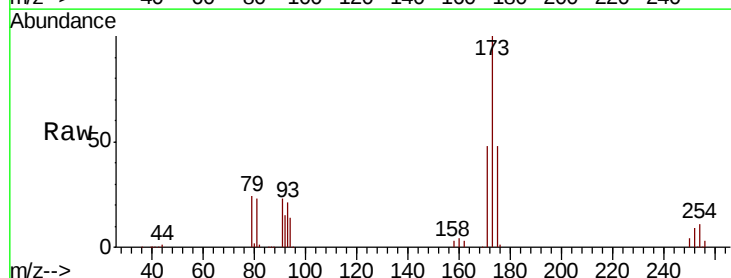
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

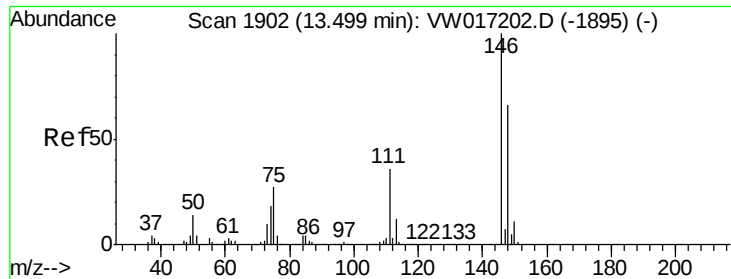
Tot Ion: 75 Resp: 68971
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.4 39.6



#62
 Bromoform
 Concen: 22.440 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW017246.D
 Acq: 16 Nov 2020 10:14

Tgt Ion: 173 Resp: 70888
 Ion Ratio Lower Upper
 173 100
 175 49.9 38.3 57.5
 254 10.4 8.1 12.1

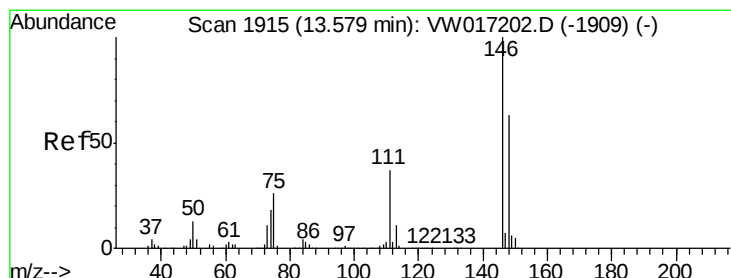
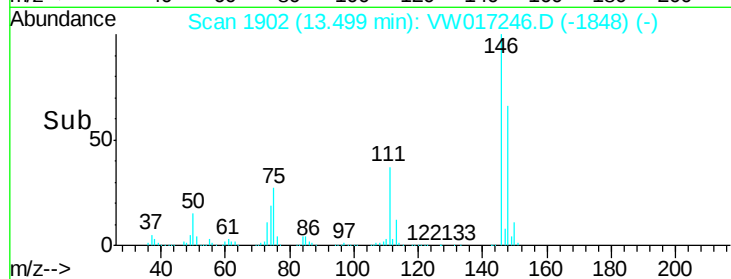
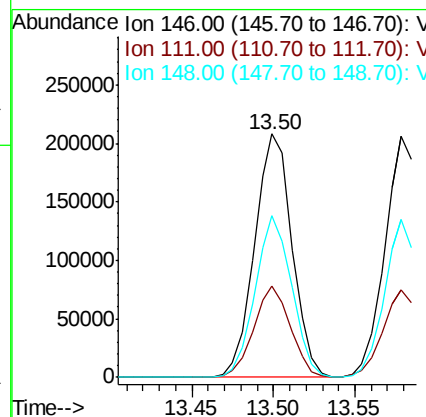
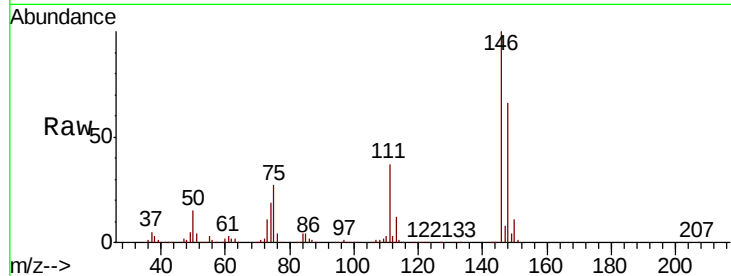




#63
 1,3-Dichlorobenzene
 Concen: 25.934 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017246.D
 Acq: 16 Nov 2020 10:14

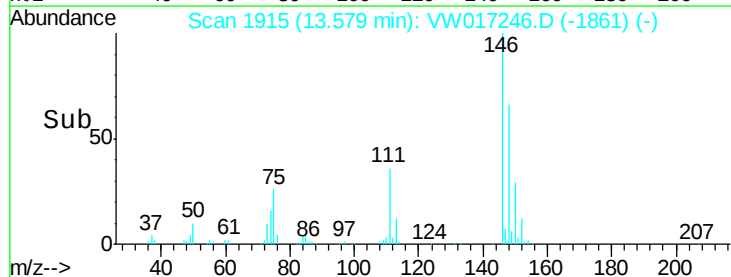
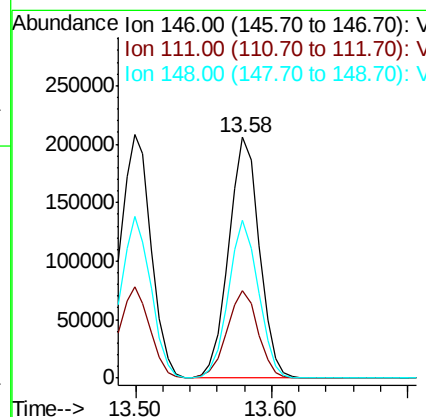
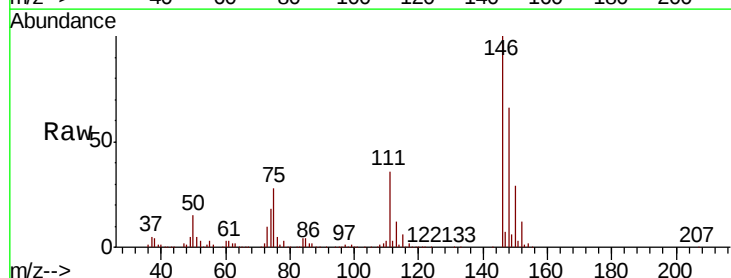
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

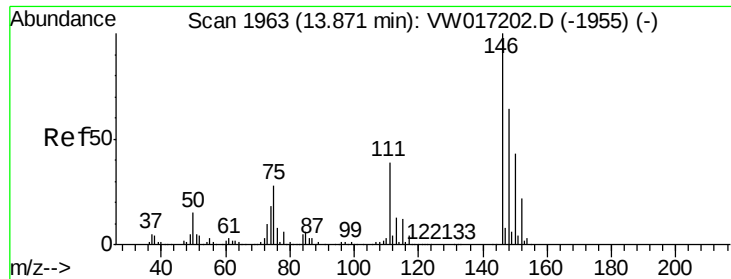
Tot Ion:146 Resp: 331996
 Ion Ratio Lower Upper
 146 100
 111 37.3 26.4 49.0
 148 66.3 42.1 78.1



#64
 1,4-Dichlorobenzene
 Concen: 25.087 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017246.D
 Acq: 16 Nov 2020 10:14

Tgt Ion:146 Resp: 322649
 Ion Ratio Lower Upper
 146 100
 111 36.3 24.5 45.5
 148 65.8 45.5 84.5

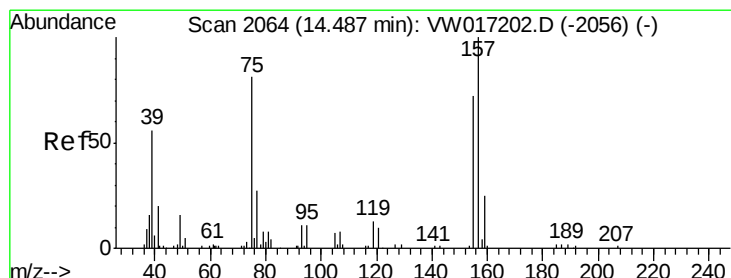
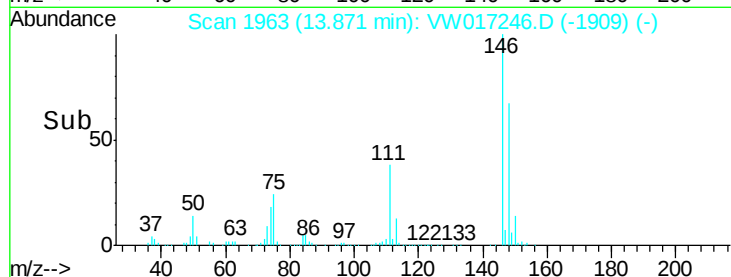
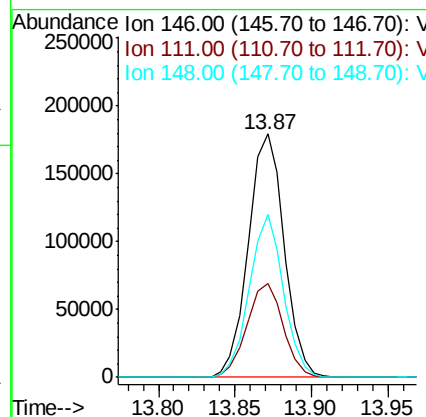
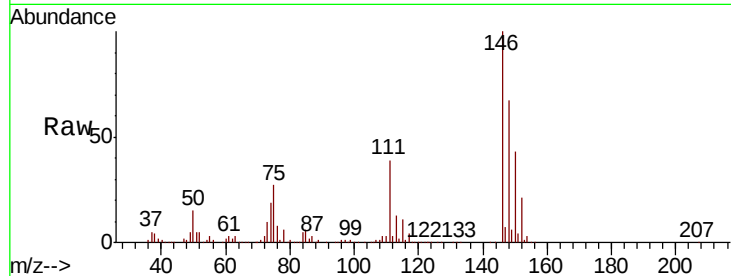




#65
 1,2-Dichlorobenzene
 Concen: 25.351 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017246.D
 Acq: 16 Nov 2020 10:14

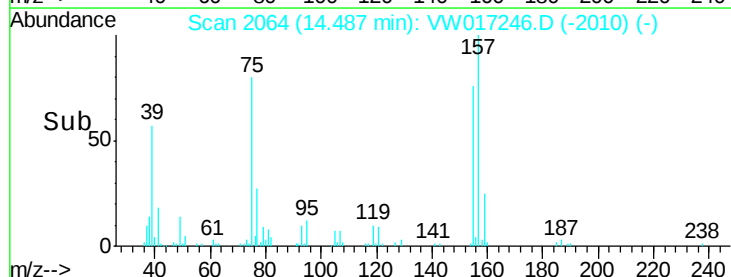
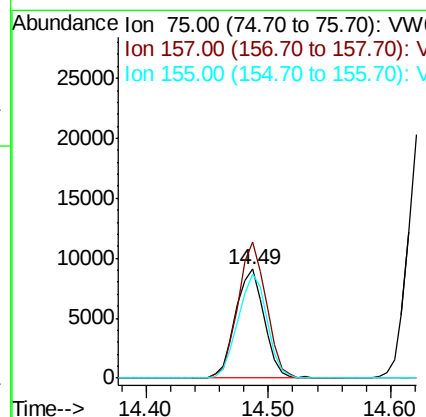
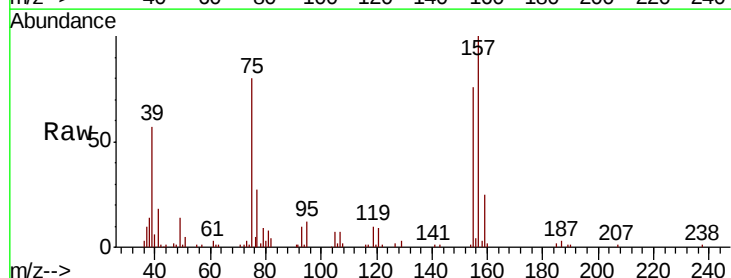
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

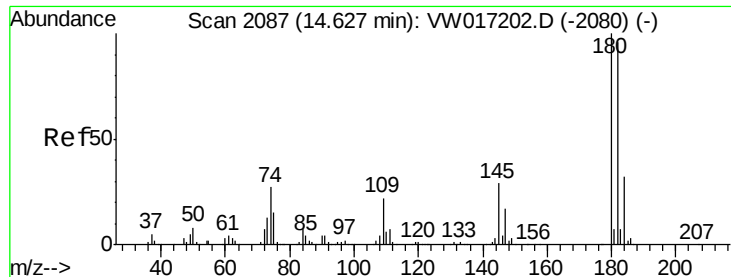
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	30.5	45.7
148	66.8	50.3	75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.297 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW017246.D
 Acq: 16 Nov 2020 10:14

Tgt Ion	Ratio	Lower	Upper
75	100		
157	125.6	108.2	162.4
155	95.7	79.1	118.7





#67

1,3,5-Trichlorobenzene

Concen: 27.119 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

Tot Ion:180 Resp: 255822

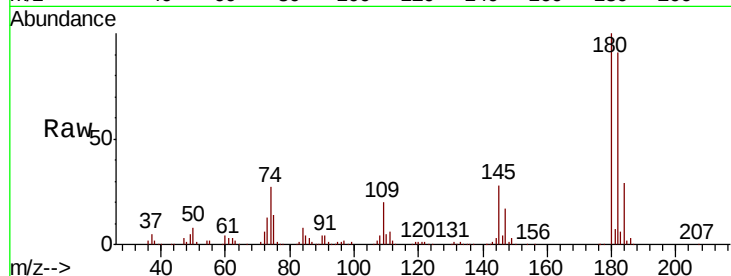
Ion Ratio Lower Upper

180 100

182 92.7 77.2 115.8

184 31.2 24.2 36.4

145 28.3 23.5 35.3

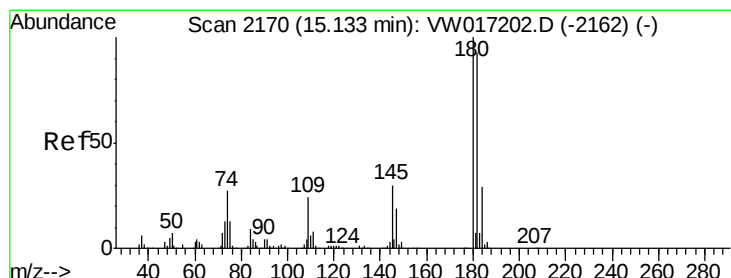
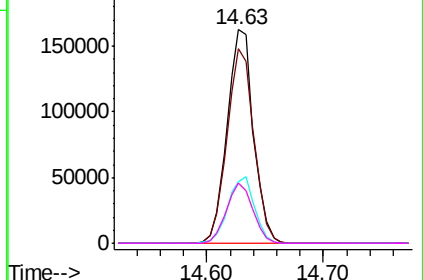
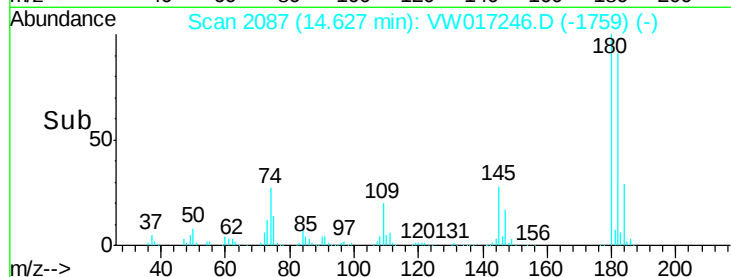


Abundance Ion 180.00 (179.70 to 180.70): V

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: 26.217 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

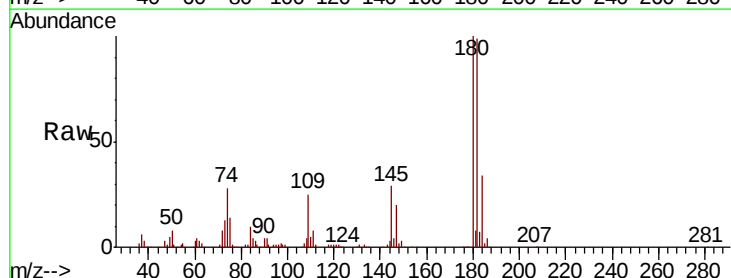
Tgt Ion:180 Resp: 197363

Ion Ratio Lower Upper

180 100

182 98.4 76.7 115.1

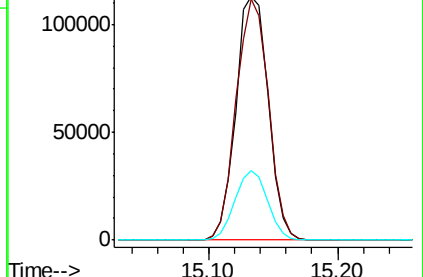
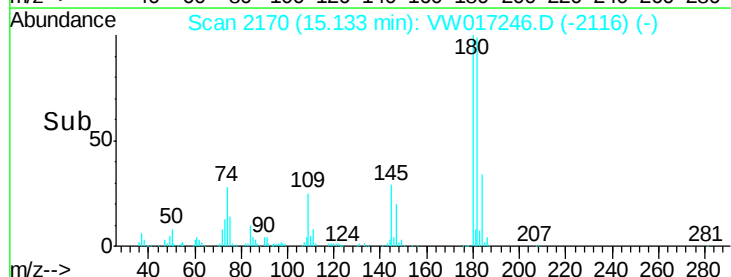
145 28.5 23.6 35.4

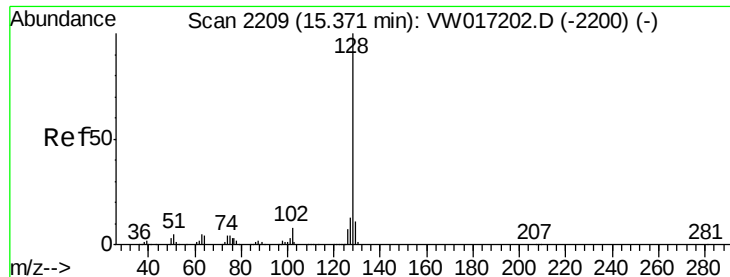


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 22.017 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

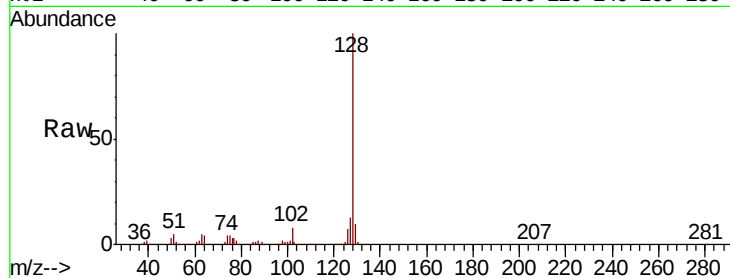
Tot Ion:128 Resp: 305014

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

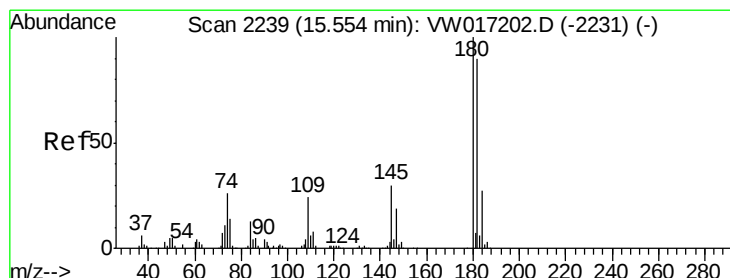
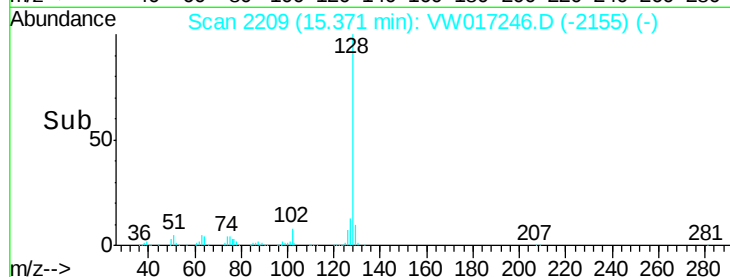
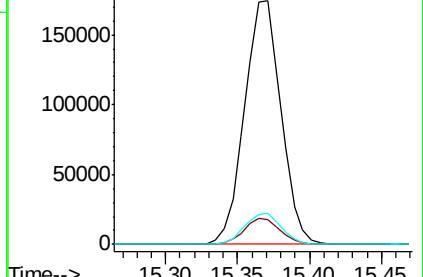
127 12.9 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 23.409 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW017246.D

Acq: 16 Nov 2020 10:14

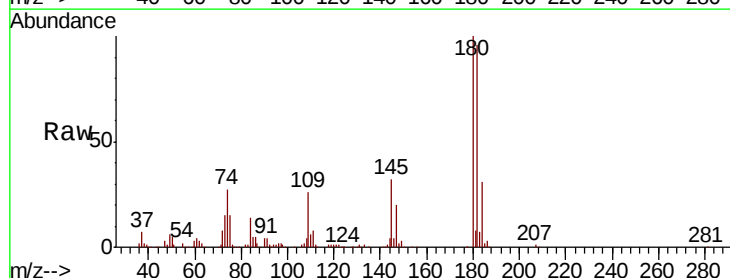
Tgt Ion:180 Resp: 161017

Ion Ratio Lower Upper

180 100

182 98.7 75.5 113.3

145 32.8 24.5 36.7



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

