

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120220\
 Data File : VW017524.D
 Acq On : 02 Dec 2020 16:15
 Operator : SY/VA
 Sample : MDLCHECK
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDLCHECK

Quant Time: Dec 03 03:19:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM120220SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 03 02:40:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	485058	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	435077	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	211653	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	153386	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.48%
7) Chloroethane-d5	2.90	69	119685	24.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.12%
11) 1,1-Dichloroethene-d2	4.03	63	251467	19.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.36%
21) 2-Butanone-d5	7.09	46	73081	46.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.12%
24) Chloroform-d	7.65	84	300409	23.15	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	8.45	65	124	0.02	ug/L	0.15
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.08%#
32) Benzene-d6	8.27	84	609914	25.22	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.88%
36) 1,2-Dichloropropane-d6	9.27	67	173252	24.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.80%
41) Toluene-d8	10.32	98	553482	25.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.04%
43) trans-1,3-Dichloropropene-	10.58	79	77746	24.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.12%
47) 2-Hexanone-d5	10.93	63	47633	48.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.38%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	132904	23.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.28%
66) 1,2-Dichlorobenzene-d4	13.86	152	195698	25.13	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.52%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	4709	1.270	ug/L	100
3) Chloromethane	2.21	50	5855	1.477	ug/L	97
5) Vinyl chloride	2.37	62	8277	1.459	ug/L #	12
6) Bromomethane	2.79	94	5531	1.434	ug/L	86
8) Chloroethane	2.93	64	5107	1.433	ug/L	90
9) Trichlorofluoromethane	3.27	101	6055	1.098	ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	10222	1.599	ug/L #	44
12) 1,1-Dichloroethene	4.04	96	9409	1.546	ug/L #	1
13) Acetone	4.14	43	4060	3.268	ug/L	76
14) Carbon disulfide	4.40	76	21168	1.246	ug/L	96
16) Methylene chloride	4.92	84	19996	2.847	ug/L	97
17) trans-1,2-Dichloroethene	5.43	96	8305	1.316	ug/L	98
18) Methyl tert-butyl Ether	5.43	73	8889	1.222	ug/L #	63
19) 1,1-Dichloroethane	6.22	63	13869	1.272	ug/L	96
20) cis-1,2-Dichloroethene	7.17	96	7987	1.182	ug/L	100
22) 2-Butanone	7.18	43	5154	2.766	ug/L	91
23) Bromochloromethane	7.52	128	4116	1.302	ug/L	99

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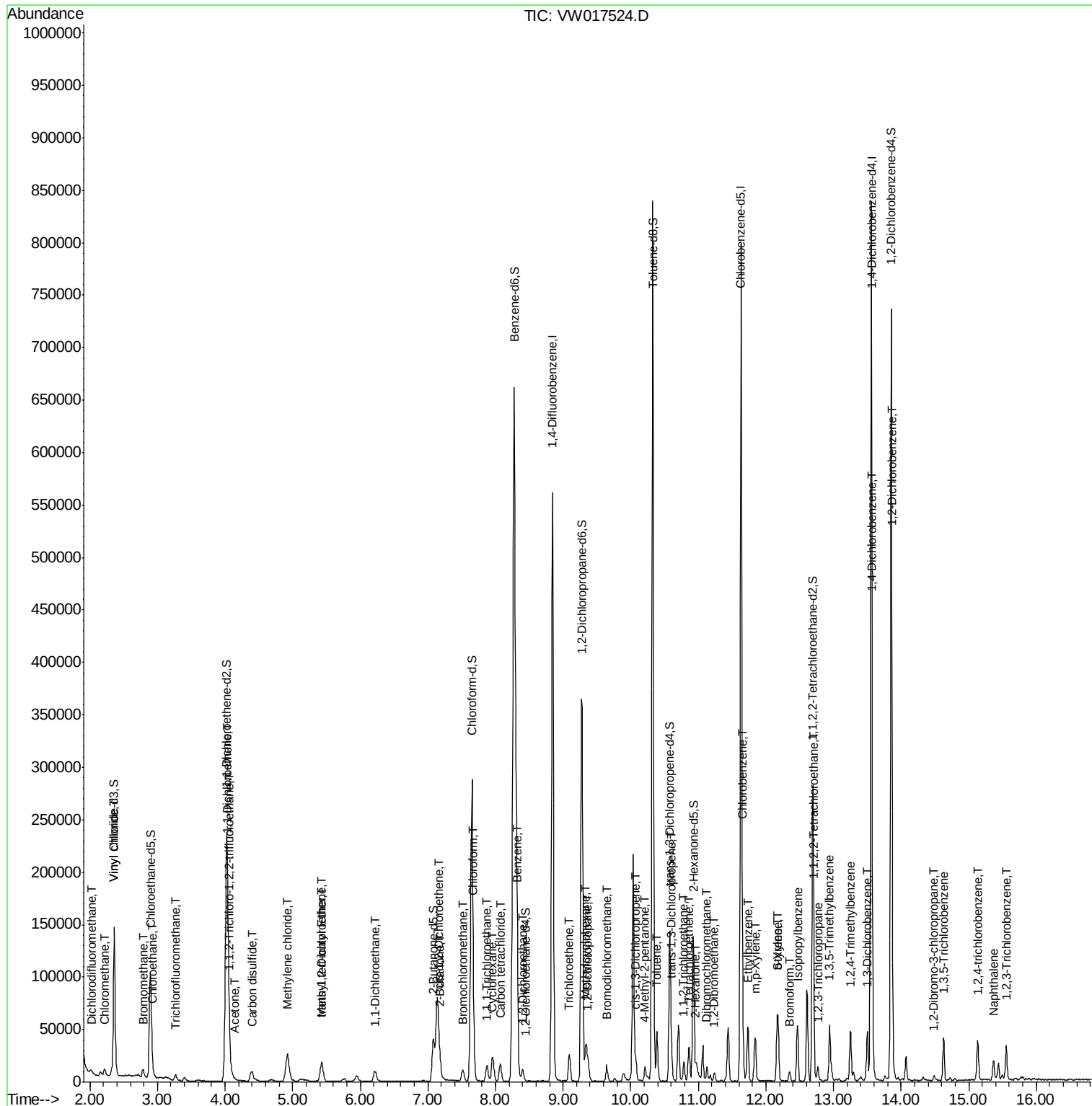
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.68	83	15352	1.318	ug/L	96
27) 1,2-Dichloroethane	8.40	62	9142	1.234	ug/L #	90
29) Cyclohexane	7.96	56	11105	1.224	ug/L	98
30) 1,1,1-Trichloroethane	7.88	97	12225	1.282	ug/L	98
31) Carbon tetrachloride	8.07	117	11597	1.248	ug/L	98
33) Benzene	8.33	78	31774	1.331	ug/L	100
34) Trichloroethene	9.09	95	8385	1.273	ug/L	97
35) Methylcyclohexane	9.34	83	13236	1.247	ug/L	97
37) 1,2-Dichloropropane	9.37	63	7327	1.257	ug/L #	96
38) Bromodichloromethane	9.65	83	10041	1.233	ug/L	92
39) cis-1,3-Dichloropropene	10.07	75	10693	1.166	ug/L	93
40) 4-Methyl-2-pentanone	10.21	43	9594	2.929	ug/L	97
42) Toluene	10.39	91	33734	1.314	ug/L	91
44) trans-1,3-Dichloropropene	10.60	75	13434	1.634	ug/L	92
45) 1,1,2-Trichloroethane	10.79	97	5676	1.232	ug/L	89
46) Tetrachloroethene	10.87	164	7120	1.302	ug/L	98
48) 2-Hexanone	10.97	43	6181	2.729	ug/L #	48
49) Dibromochloromethane	11.13	129	6725	1.171	ug/L	96
50) 1,2-Dibromoethane	11.24	107	5462	1.214	ug/L	93
51) Chlorobenzene	11.66	112	21368	1.257	ug/L	97
52) Ethylbenzene	11.73	91	36270	1.249	ug/L	98
53) m,p-Xylene	11.84	106	12819	1.169	ug/L	100
54) o-Xylene	12.17	106	12068	1.159	ug/L	97
55) Styrene	12.18	104	19237	1.081	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.71	83	6972	1.297	ug/L #	87
59) Bromoform	12.35	173	3724	1.134	ug/L #	96
60) Isopropylbenzene	12.47	105	32498	1.174	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	5073	1.309	ug/L	96
62) 1,3,5-Trimethylbenzene	12.94	105	25490	1.130	ug/L	97
63) 1,2,4-Trimethylbenzene	13.25	105	26488	1.188	ug/L	97
64) 1,3-Dichlorobenzene	13.51	146	16850	1.281	ug/L	97
65) 1,4-Dichlorobenzene	13.58	146	18587	1.392	ug/L	97
67) 1,2-Dichlorobenzene	13.87	146	15435	1.293	ug/L	91
68) 1,2-Dibromo-3-chloropropan	14.49	75	1362	1.534	ug/L	94
69) 1,3,5-Trichlorobenzene	14.63	180	12396	1.289	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	11487	1.421	ug/L	96
71) Naphthalene	15.36	128	15895	1.172	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	11325	1.624	ug/L	93

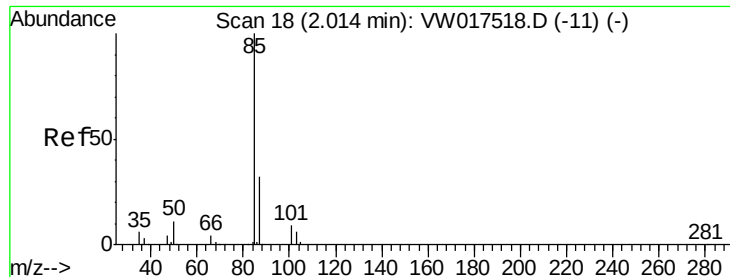
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.270 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Instrument :

MSVOA_W

ClientSampleId :

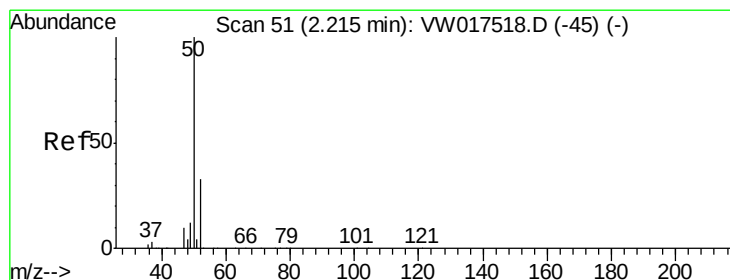
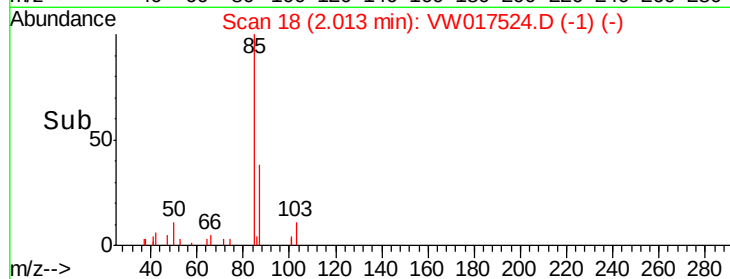
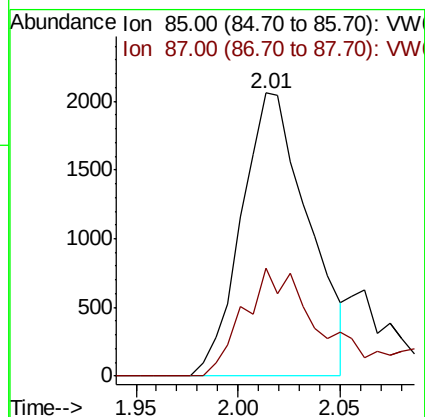
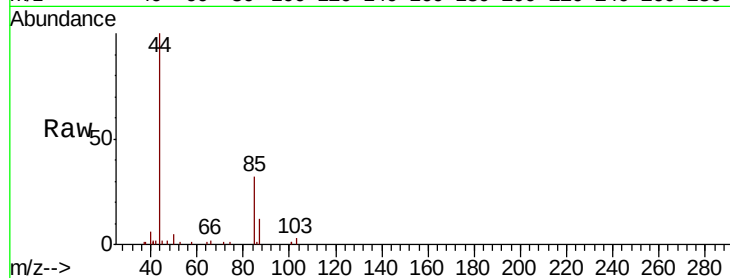
MDLCHECK

Tot Ion: 85 Resp: 4709

Ion Ratio Lower Upper

85 100

87 35.3 28.5 42.7



#3

Chloromethane

Concen: 1.477 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW017524.D

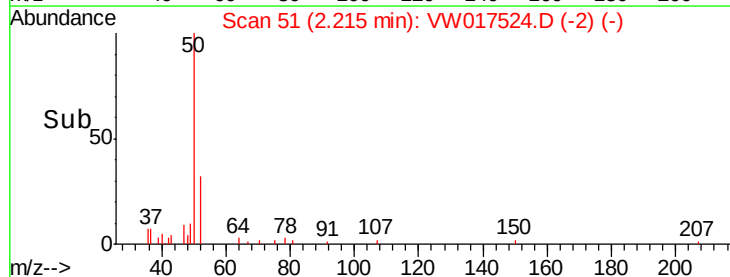
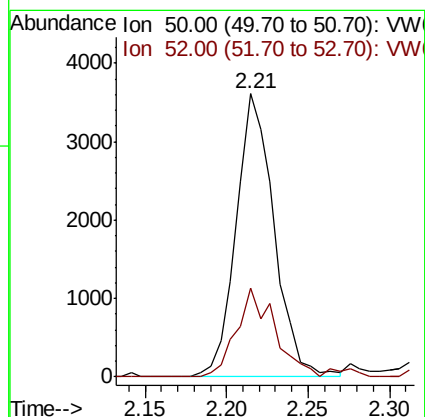
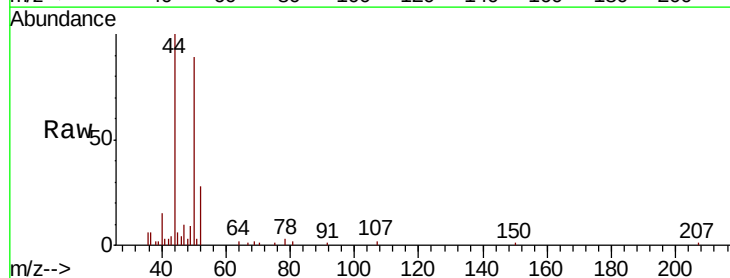
Acq: 02 Dec 2020 16:15

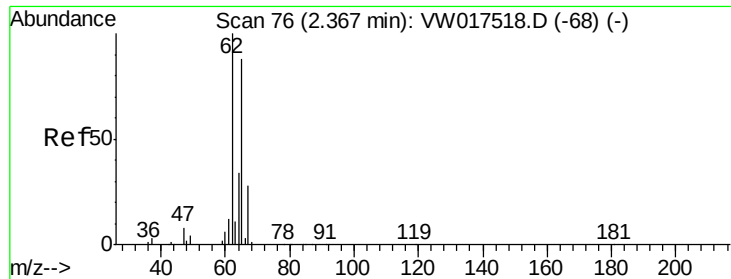
Tgt Ion: 50 Resp: 5855

Ion Ratio Lower Upper

50 100

52 31.2 23.2 43.2





#5

Vinyl chloride

Concen: 1.459 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Instrument :

MSVOA_W

ClientSampleId :

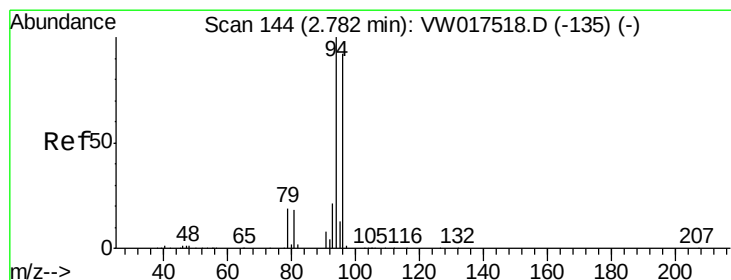
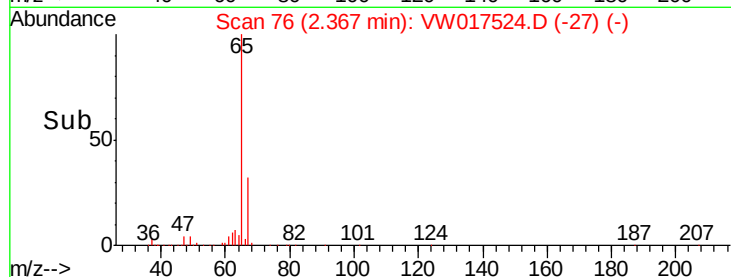
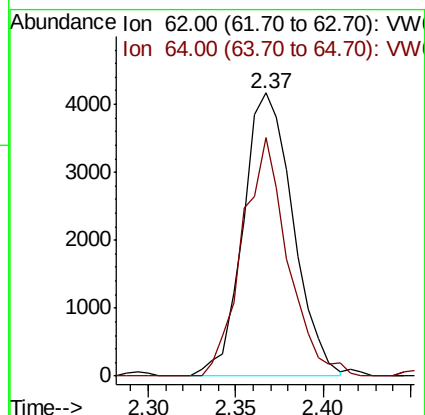
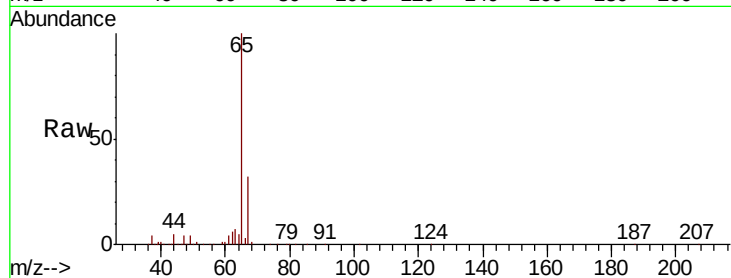
MDLCHECK

Tot Ion: 62 Resp: 8277

Ion Ratio Lower Upper

62 100

64 84.2 23.7 43.9#



#6

Bromomethane

Concen: 1.434 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW017524.D

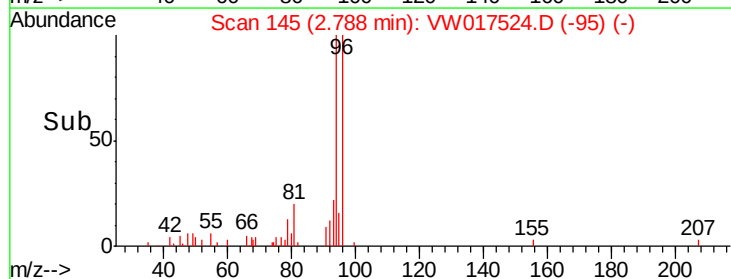
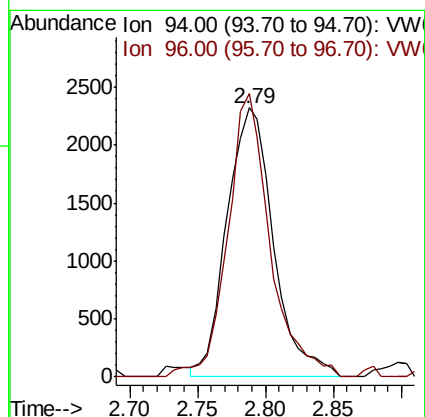
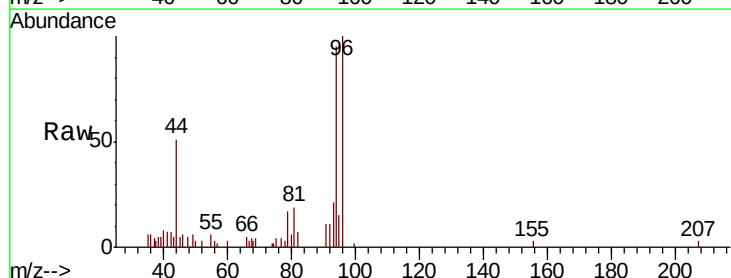
Acq: 02 Dec 2020 16:15

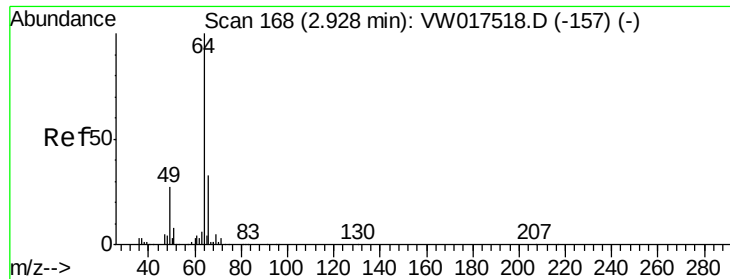
Tgt Ion: 94 Resp: 5531

Ion Ratio Lower Upper

94 100

96 105.3 64.2 119.2

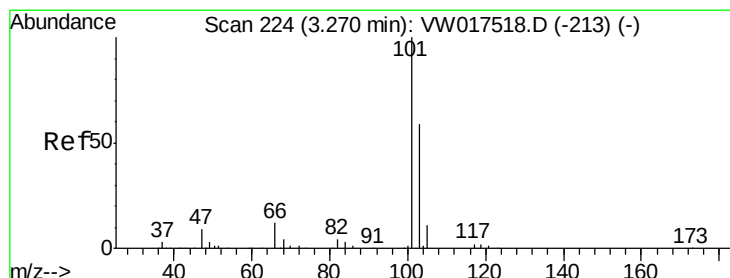
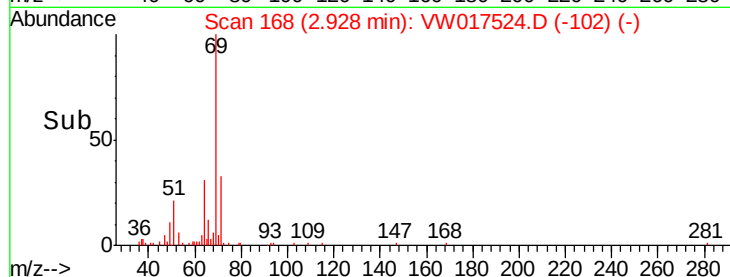
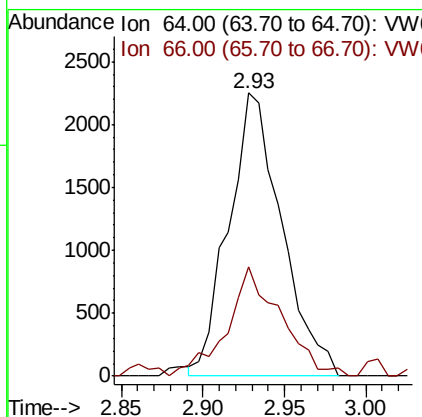
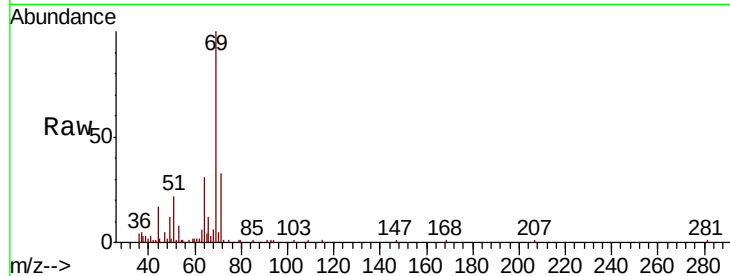




#8
Chloroethane
Concen: 1.433 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

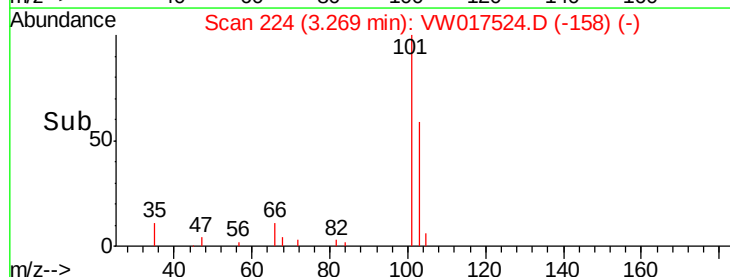
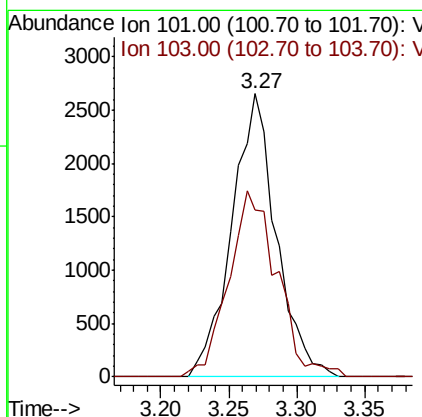
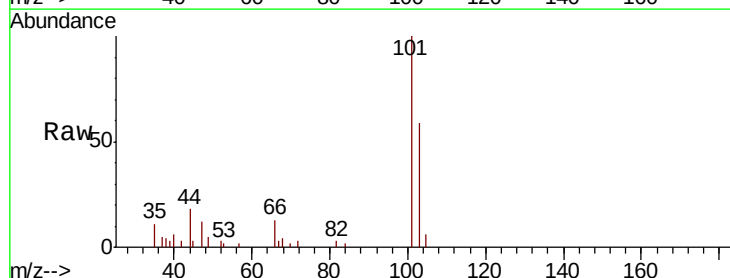
Instrument :
MSVOA_W
ClientSampleId :
MDLCHECK

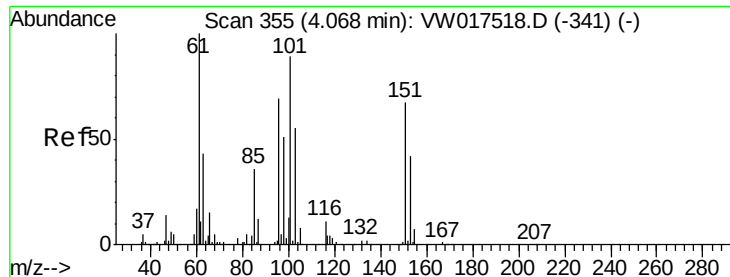
Tot Ion: 64 Resp: 5107
Ion Ratio Lower Upper
64 100
66 38.6 23.2 43.2



#9
Trichlorofluoromethane
Concen: 1.098 ug/L
RT: 3.27 min Scan# 224
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Tgt Ion: 101 Resp: 6055
Ion Ratio Lower Upper
101 100
103 69.4 50.6 75.8





#10

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

Concen: 1.599 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Instrument :

MSVOA_W

ClientSampleId :

MDLCHECK

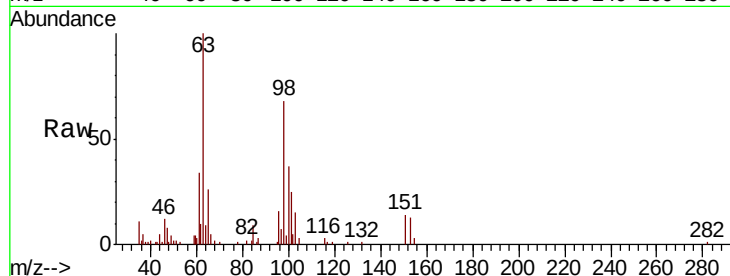
Tot Ion:101 Resp: 10222

Ion Ratio Lower Upper

101 100

85 12.8 34.0 51.0#

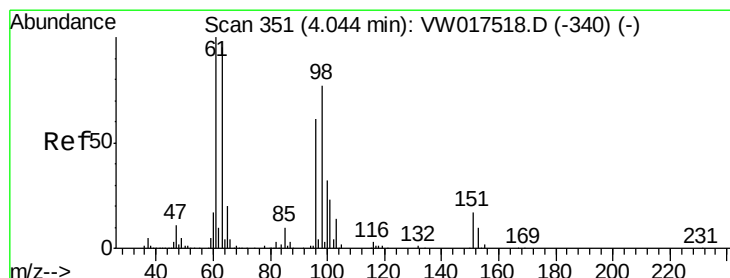
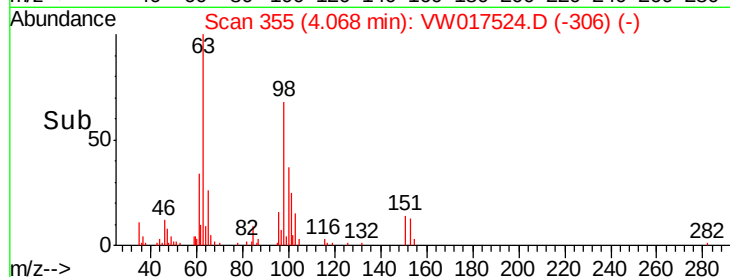
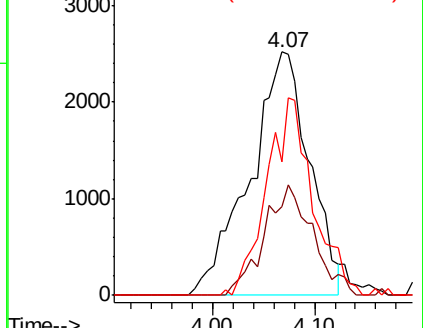
151 25.1 62.8 94.2#



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: 1.546 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

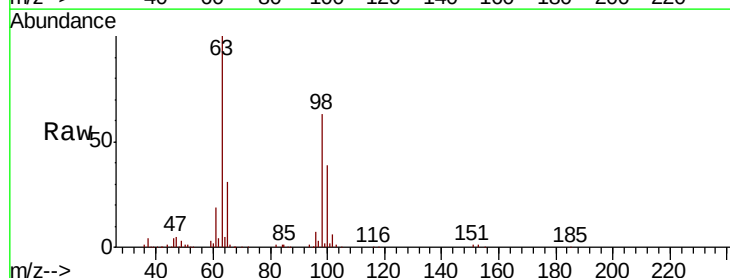
Tgt Ion: 96 Resp: 9409

Ion Ratio Lower Upper

96 100

61 295.2 115.0 213.6#

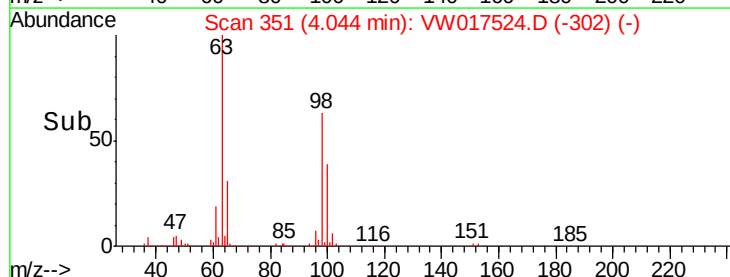
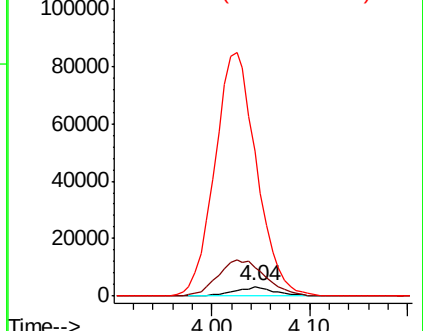
63 1527.4 112.7 209.3#

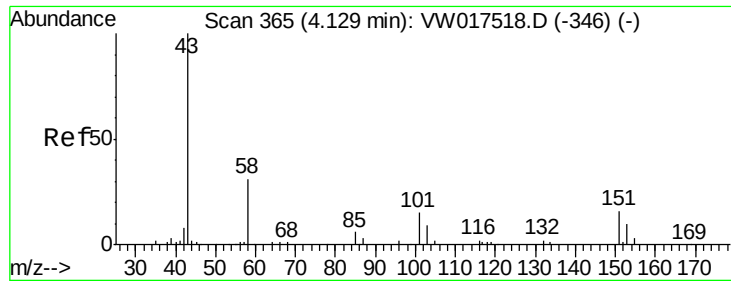


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 3.268 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

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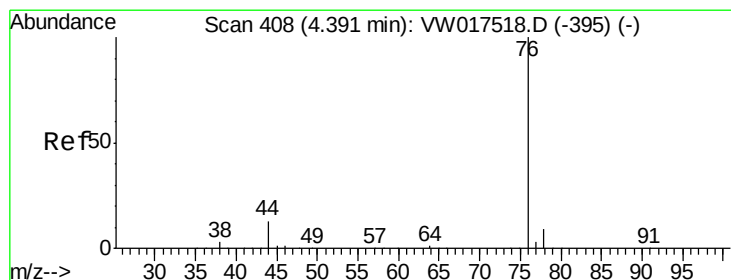
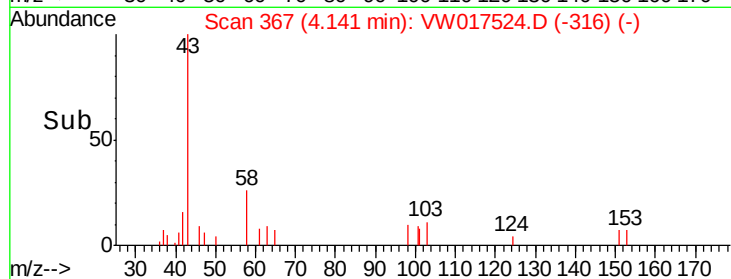
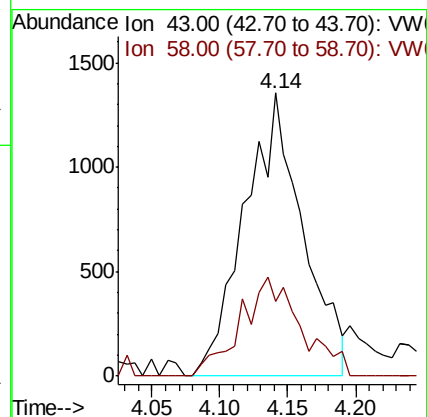
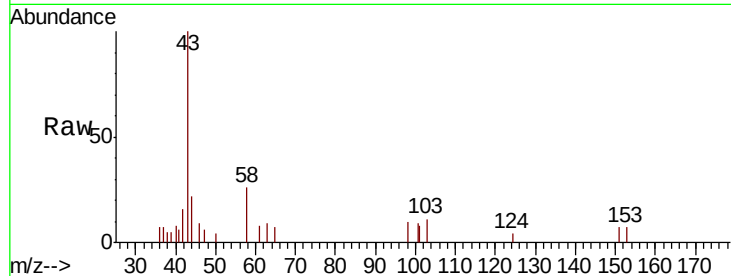
MDLCHECK

Tot Ion: 43 Resp: 4060

Ion Ratio Lower Upper

43 100

58 16.8 0.0 59.2



#14

Carbon disulfide

Concen: 1.246 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW017524.D

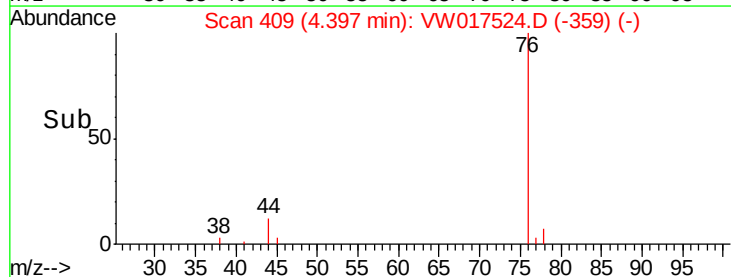
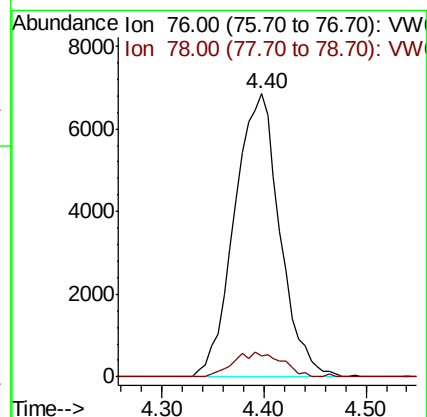
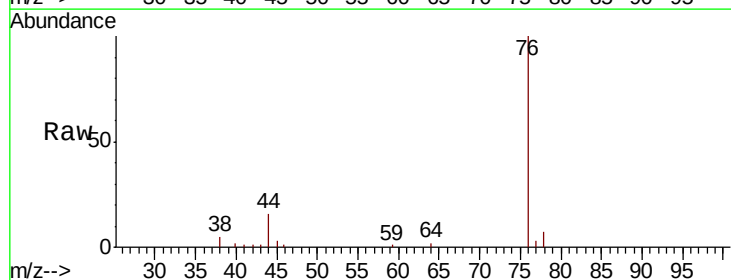
Acq: 02 Dec 2020 16:15

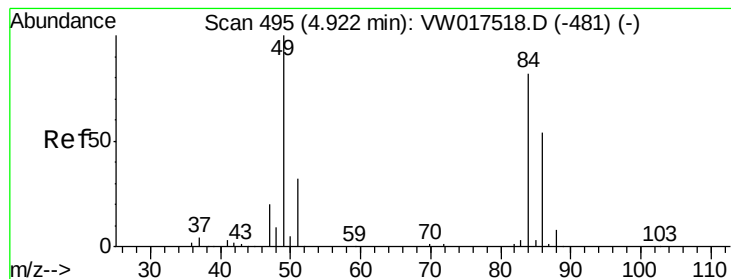
Tgt Ion: 76 Resp: 21168

Ion Ratio Lower Upper

76 100

78 7.2 7.0 10.6





#16

Methylene chloride

Concen: 2.847 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Instrument :

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ClientSampleId :

MDLCHECK

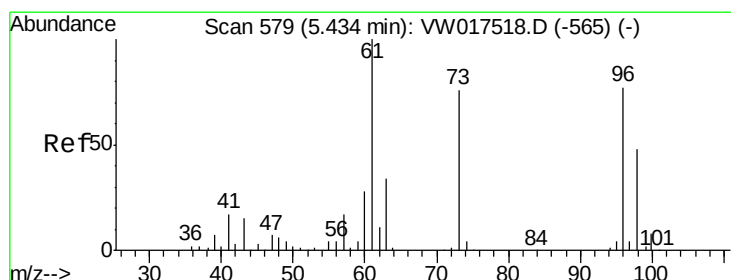
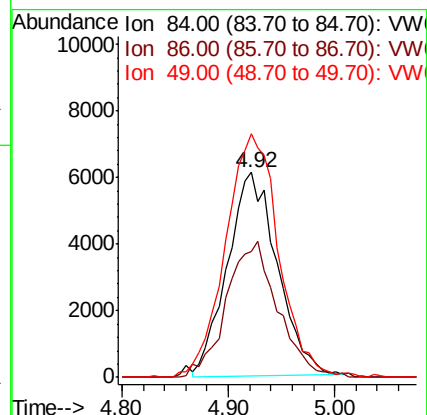
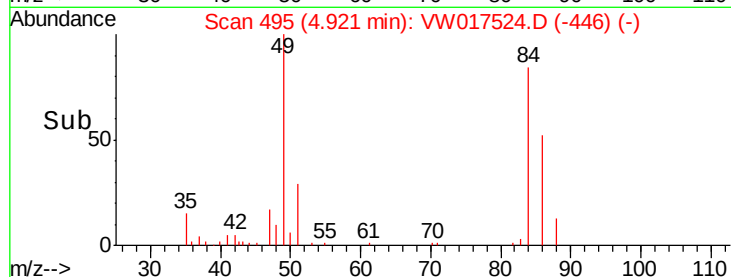
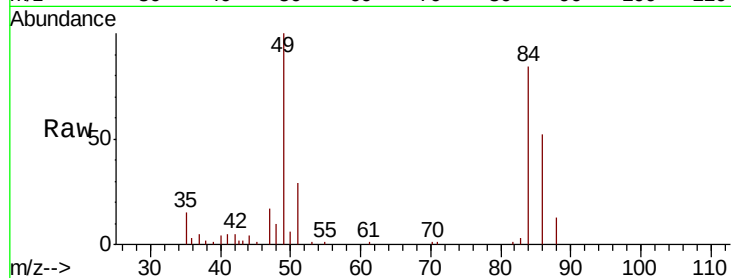
Tot Ion: 84 Resp: 19996

Ion Ratio Lower Upper

84 100

86 61.8 46.2 85.8

49 119.0 85.0 158.0



#17

trans-1,2-Dichloroethene

Concen: 1.316 ug/L

RT: 5.43 min Scan# 579

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

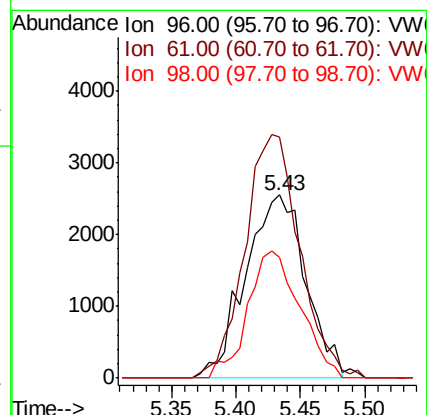
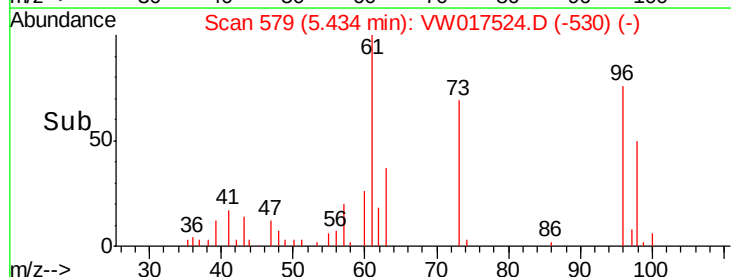
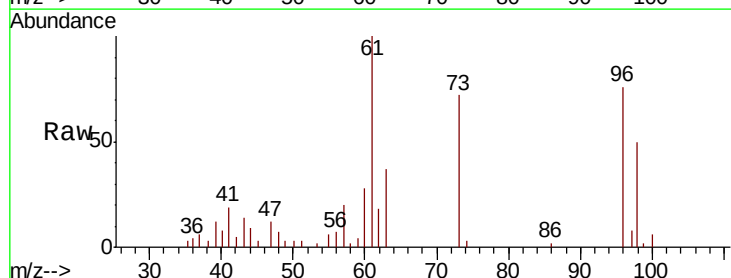
Tgt Ion: 96 Resp: 8305

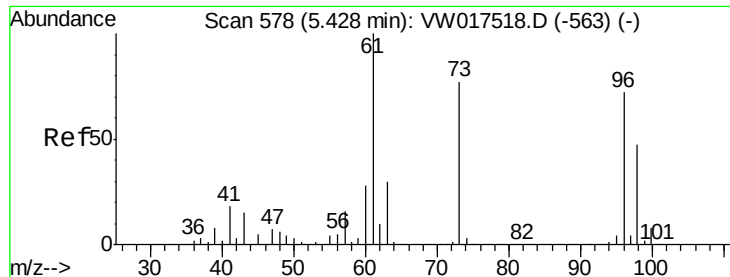
Ion Ratio Lower Upper

96 100

61 132.1 91.4 169.8

98 66.3 44.0 81.8

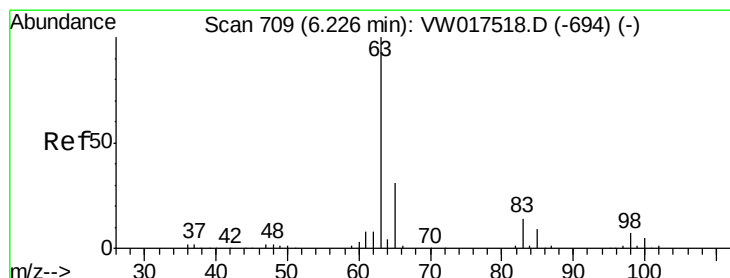
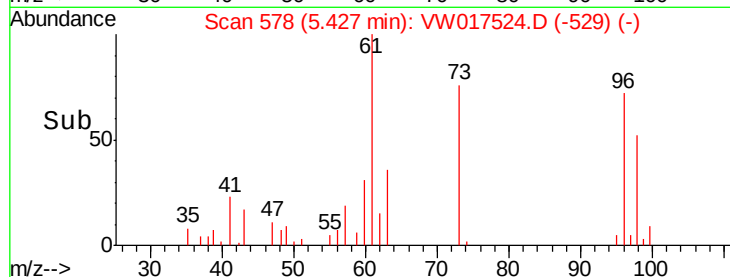
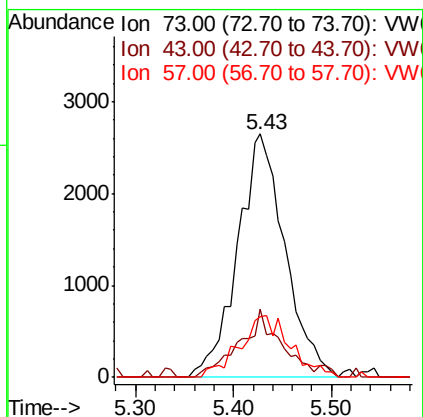
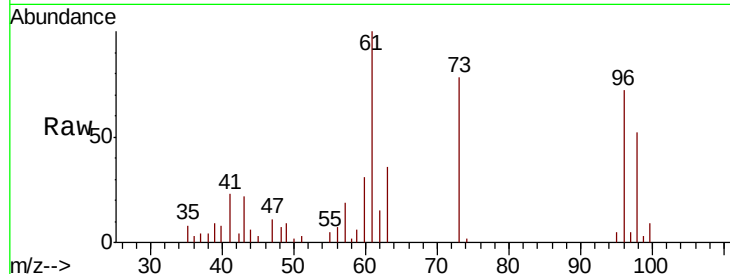




#18
Methyl tert-butyl Ether
Concen: 1.222 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

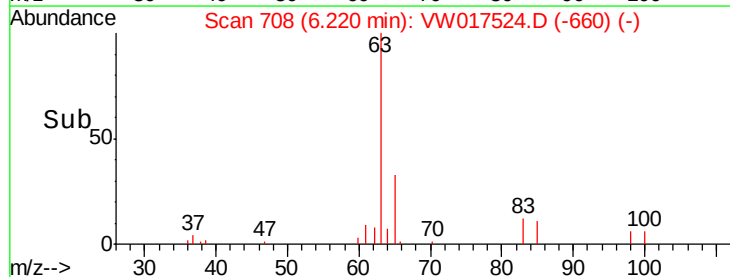
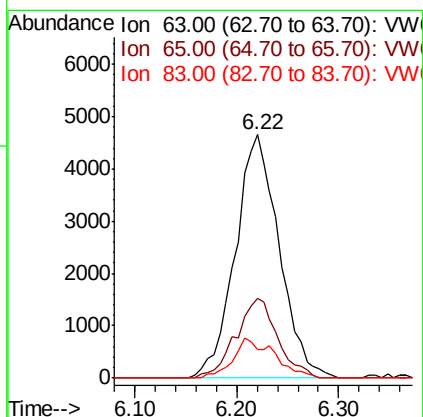
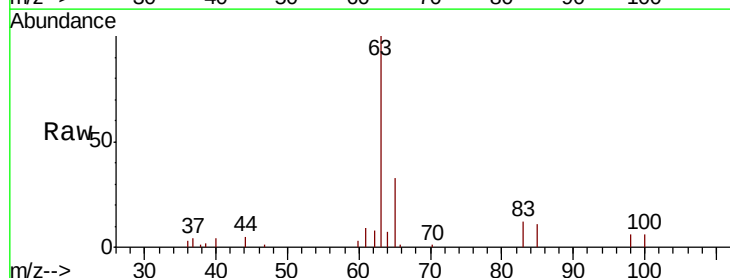
Instrument :
MSVOA_W
ClientSampleId :
MDLCHECK

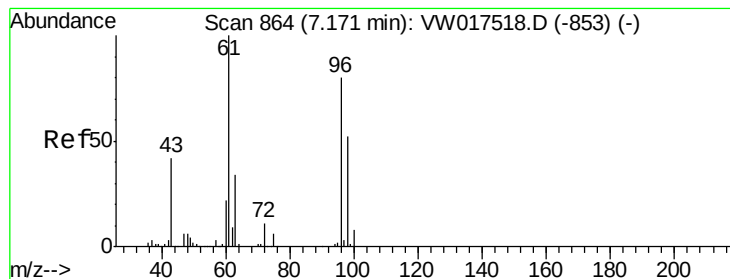
Tot Ion: 73 Resp: 8889
Ion Ratio Lower Upper
73 100
43 1.9 16.0 24.0#
57 5.6 17.4 26.0#



#19
1,1-Dichloroethane
Concen: 1.272 ug/L
RT: 6.22 min Scan# 708
Delta R.T. -0.01 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Tgt Ion: 63 Resp: 13869
Ion Ratio Lower Upper
63 100
65 32.6 21.3 39.6
83 11.7 9.4 17.6



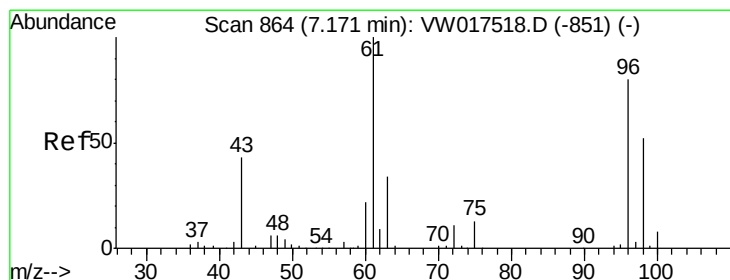
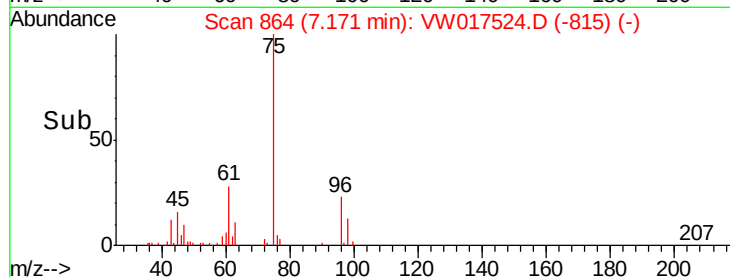
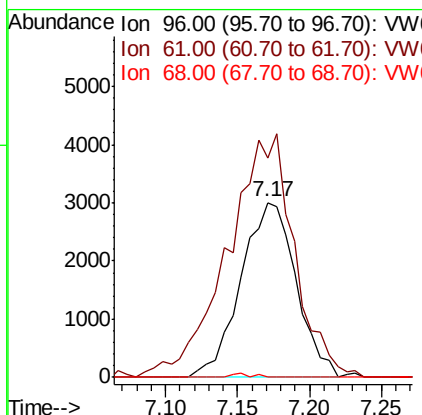
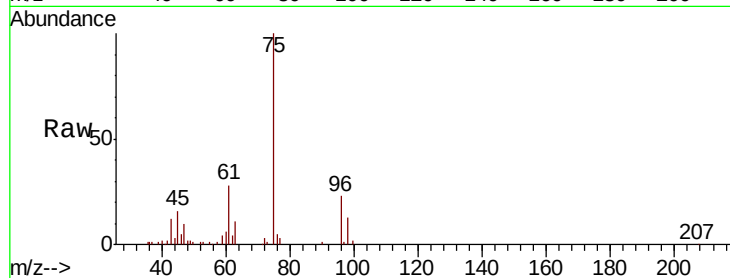


#20

cis-1,2-Dichloroethene
 Concen: 1.182 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

Instrument :
 MSVOA_W
 ClientSampled :
 MDLCHECK

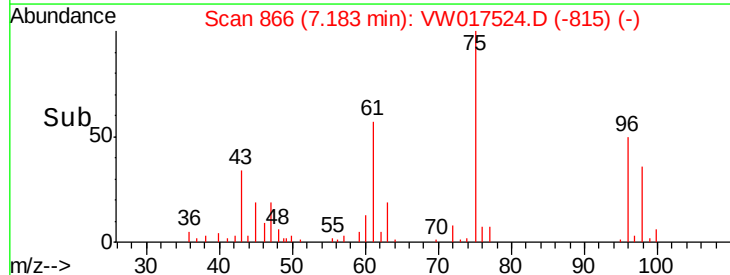
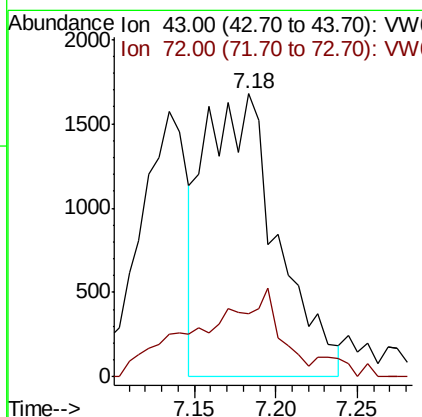
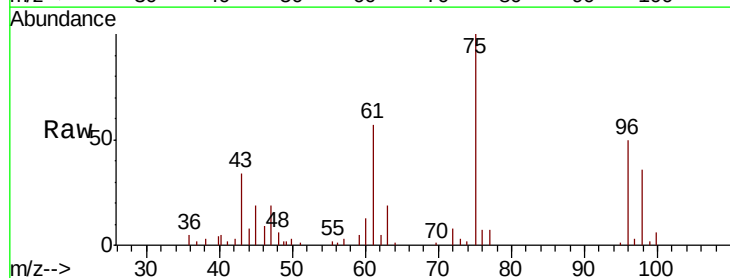
Tot Ion: 96 Resp: 7987
 Ion Ratio Lower Upper
 96 100
 61 125.2 88.0 163.4
 68 0.0 0.0 0.0

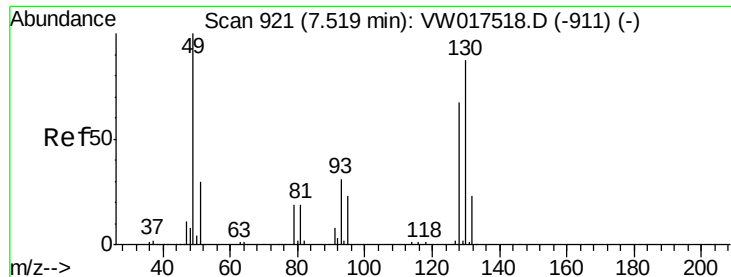


#22

2-Butanone
 Concen: 2.766 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

Tgt Ion: 43 Resp: 5154
 Ion Ratio Lower Upper
 43 100
 72 10.5 7.0 21.1

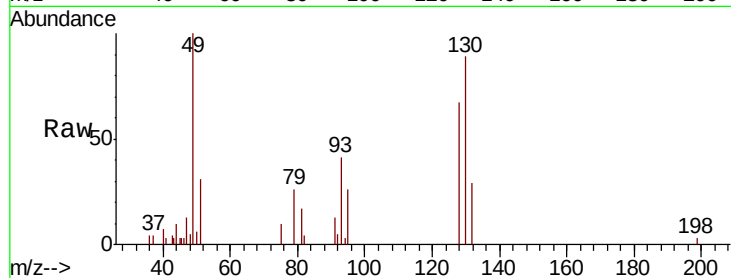




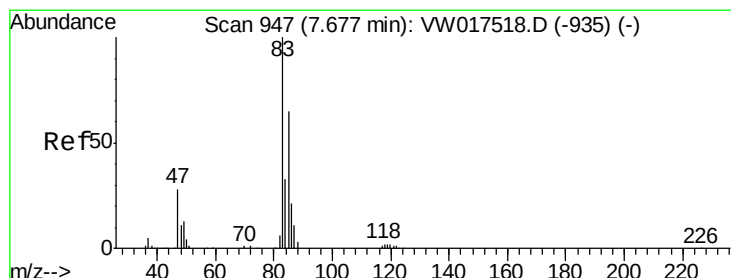
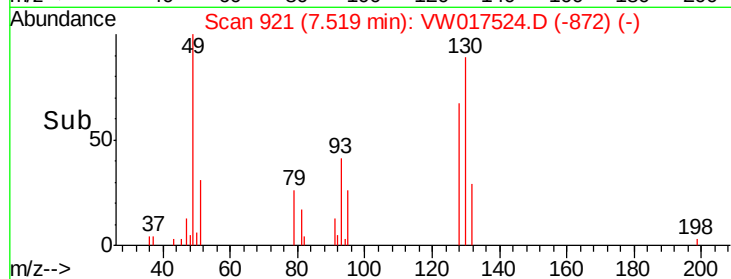
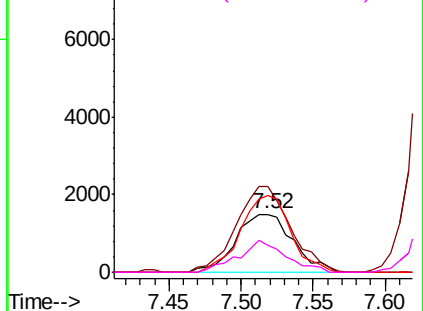
#23
Bromochloromethane
Concen: 1.302 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Instrument :
MSVOA_W
ClientSampleId :
MDLCHECK

Tot Ion:128 Resp: 4116
Ion Ratio Lower Upper
128 100
49 149.5 104.7 194.4
130 133.2 90.8 168.6
51 46.7 36.3 54.5

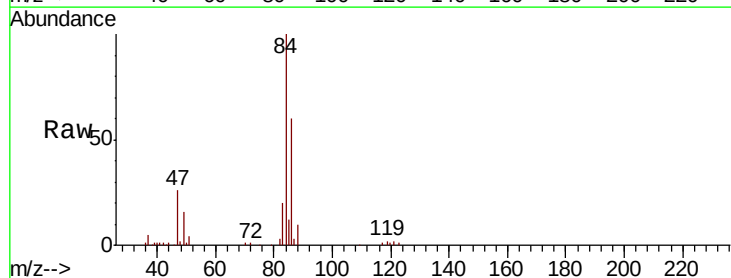


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

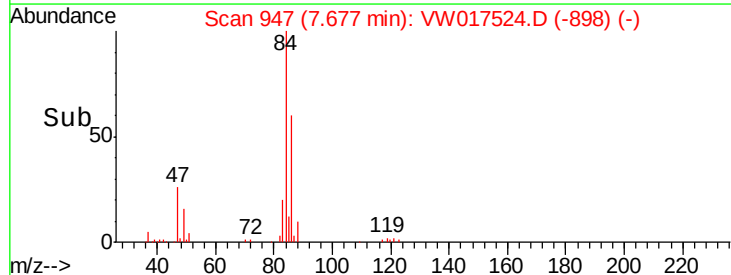
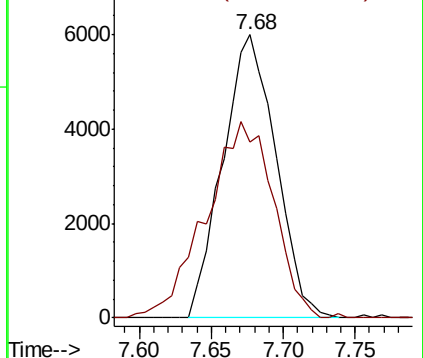


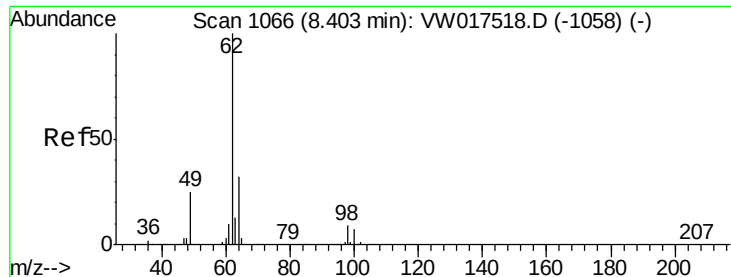
#25
Chloroform
Concen: 1.318 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Tgt Ion: 83 Resp: 15352
Ion Ratio Lower Upper
83 100
85 62.3 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW





#27

1,2-Dichloroethane

Concen: 1.234 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Instrument :

MSVOA_W

ClientSampleId :

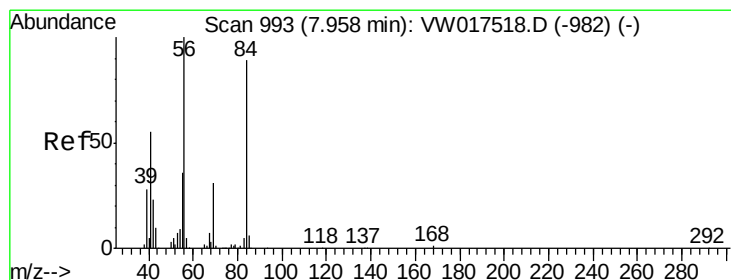
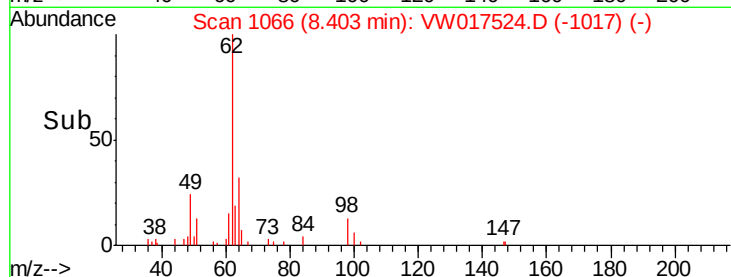
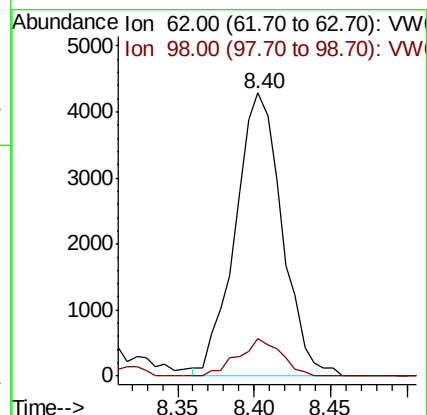
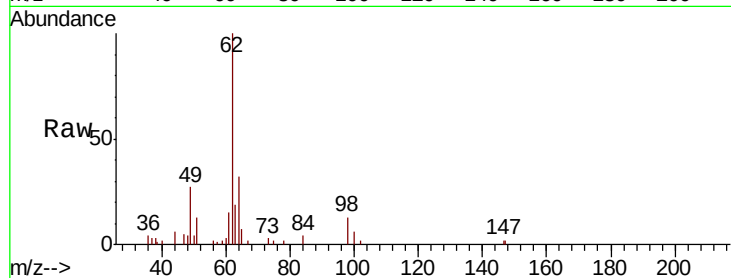
MDLCHECK

Tot Ion: 62 Resp: 9142

Ion Ratio Lower Upper

62 100

98 13.1 7.4 11.2#



#29

Cyclohexane

Concen: 1.224 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

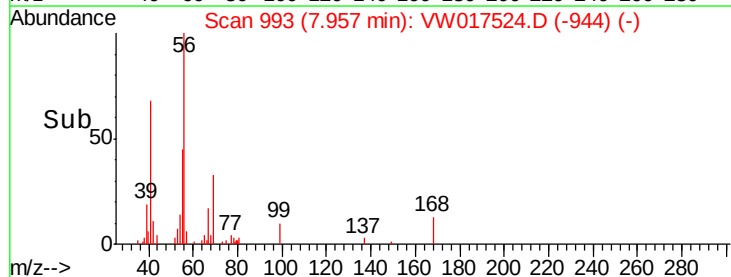
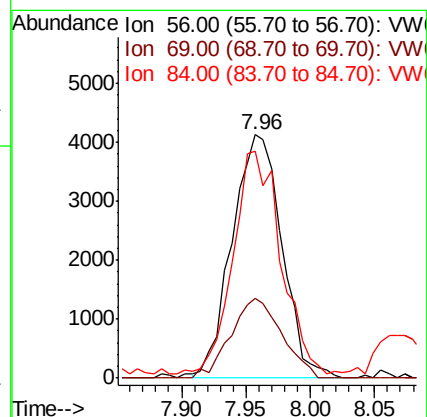
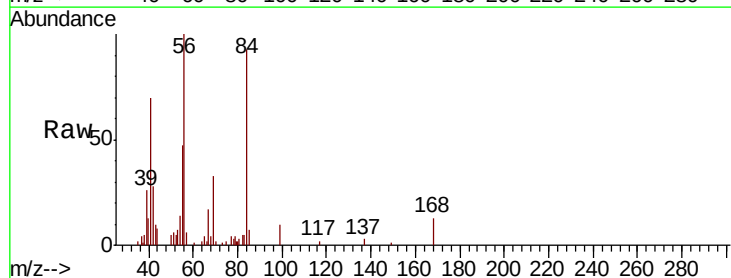
Tgt Ion: 56 Resp: 11105

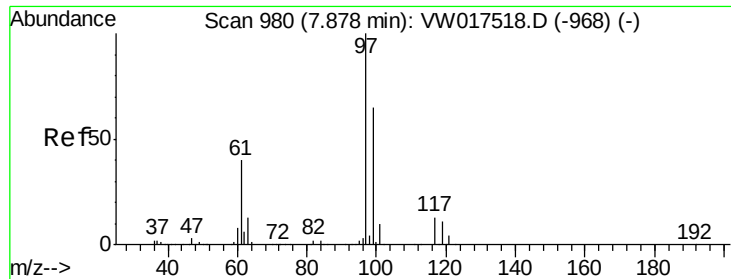
Ion Ratio Lower Upper

56 100

69 33.4 24.8 37.2

84 91.0 73.3 109.9

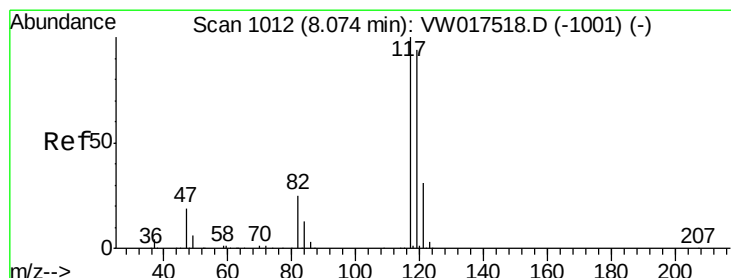
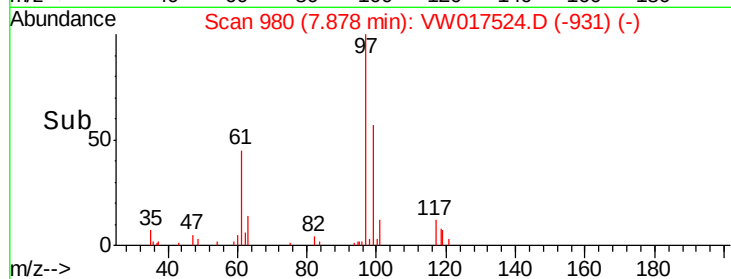
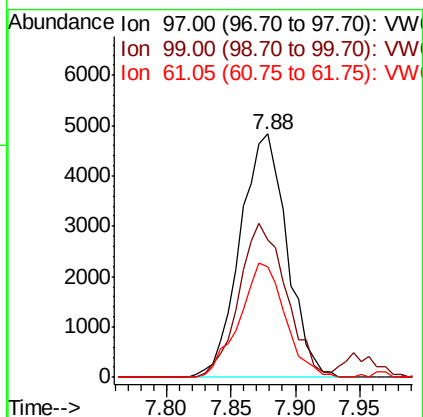
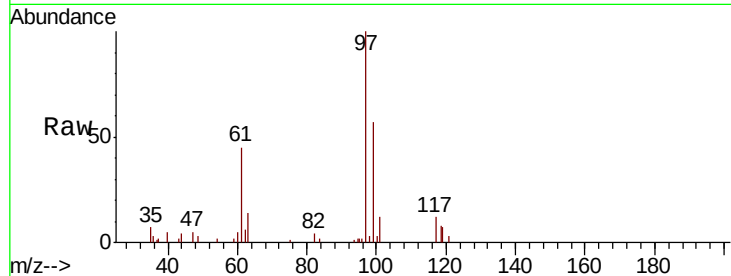




#30
 1,1,1-Trichloroethane
 Concen: 1.282 ug/L
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

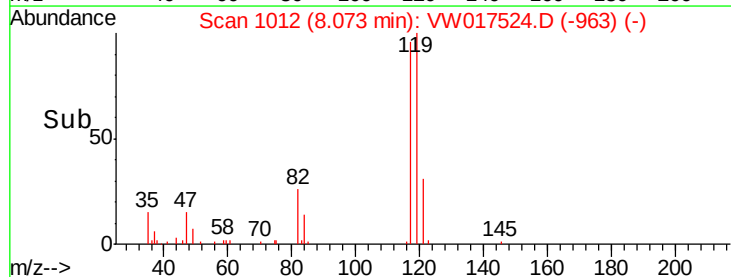
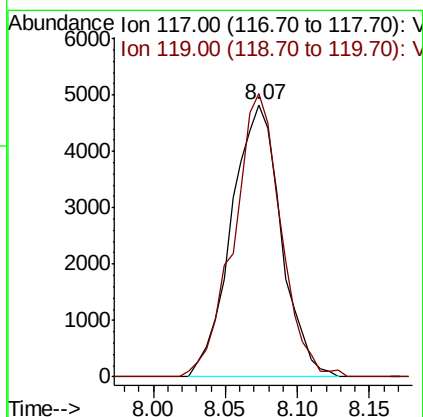
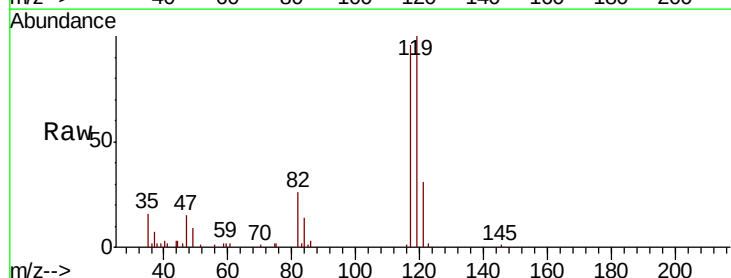
Instrument :
 MSVOA_W
 ClientSampleId :
 MDLCHECK

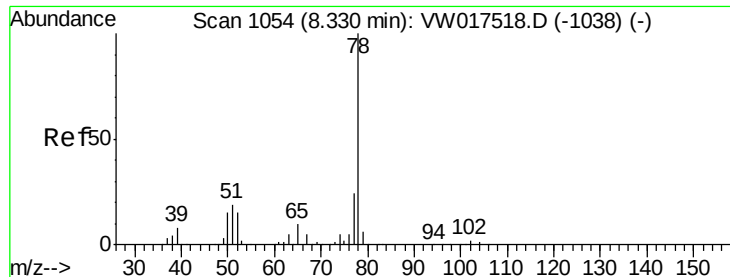
Tot Ion: 97 Resp: 12225
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.0 76.4
 61 45.7 33.7 50.5



#31
 Carbon tetrachloride
 Concen: 1.248 ug/L
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

Tgt Ion: 117 Resp: 11597
 Ion Ratio Lower Upper
 117 100
 119 97.8 76.6 114.8

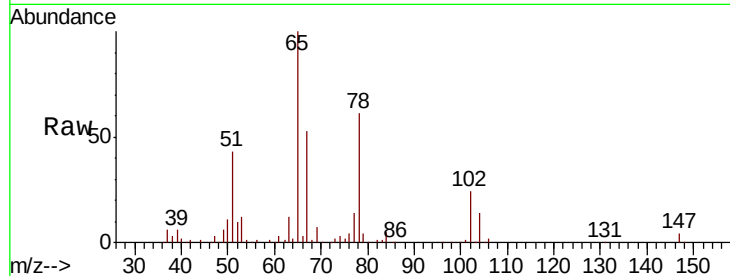




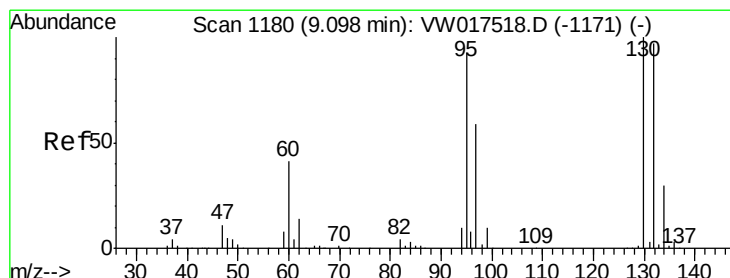
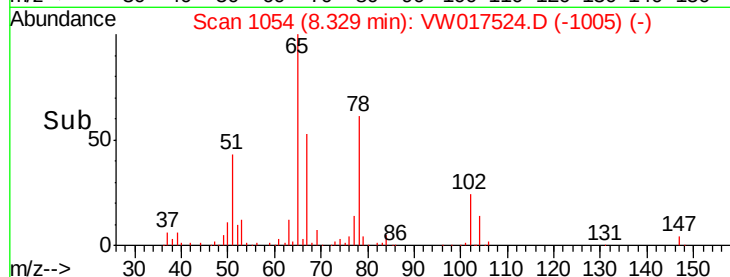
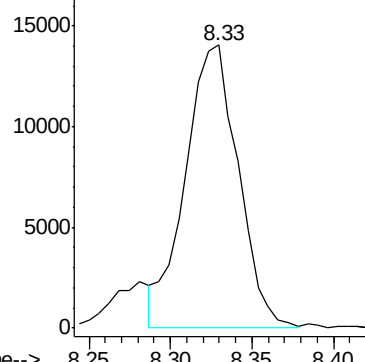
#33
Benzene
Concen: 1.331 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Instrument :
MSVOA_W
ClientSampleId :
MDLCHECK

Tgt Ion: 78 Resp: 31774



Abundance Ion 78.00 (77.70 to 78.70): VW



#34
Trichloroethene
Concen: 1.273 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

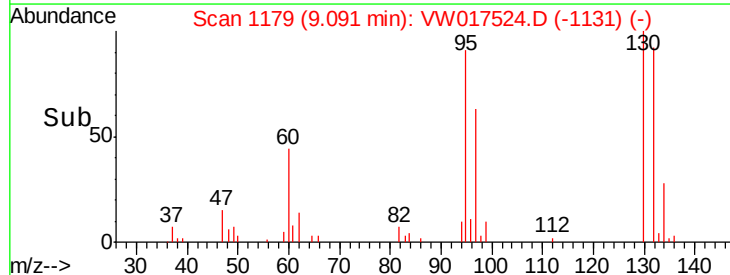
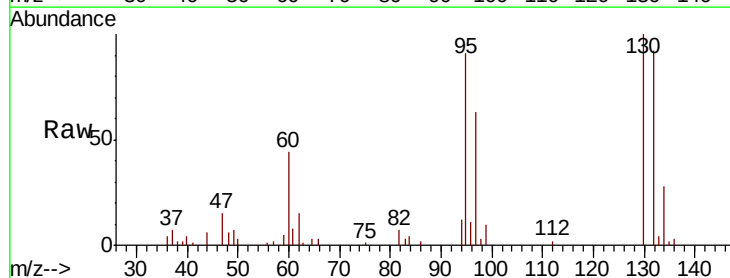
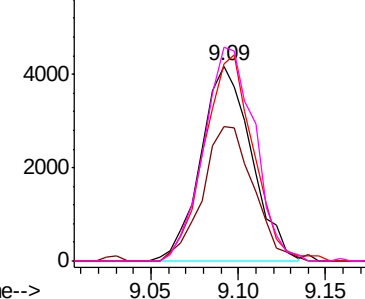
Tgt Ion: 95 Resp: 8385
Ion Ratio Lower Upper
95 100
97 68.6 44.4 82.4
132 101.2 72.7 135.1
130 109.5 75.4 140.0

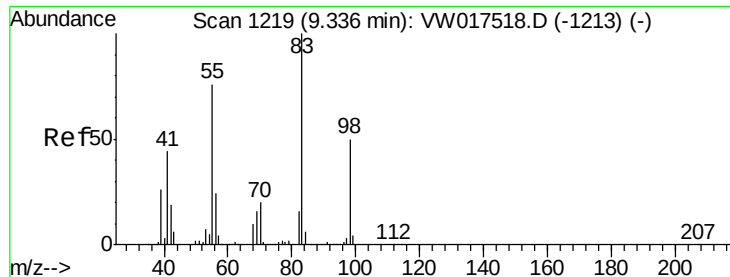
Abundance Ion 95.00 (94.70 to 95.70): VW

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

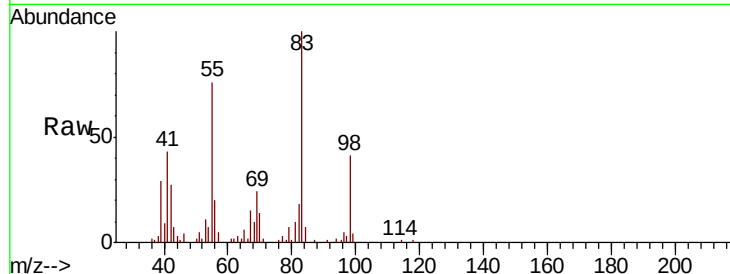




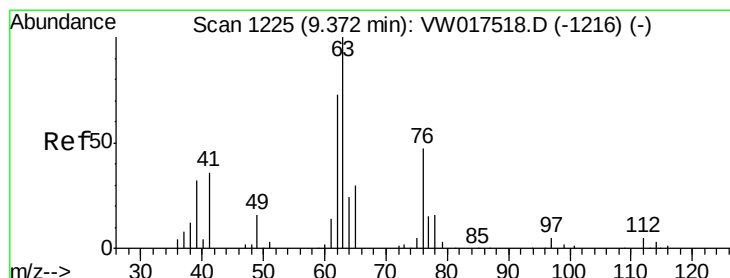
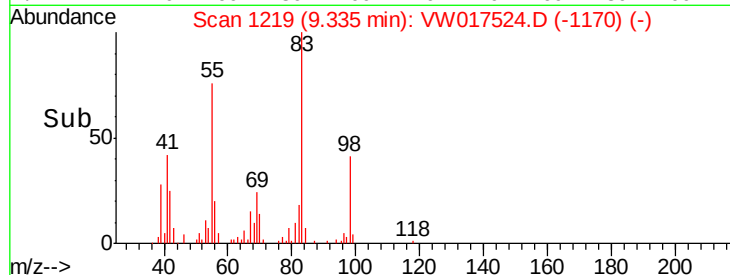
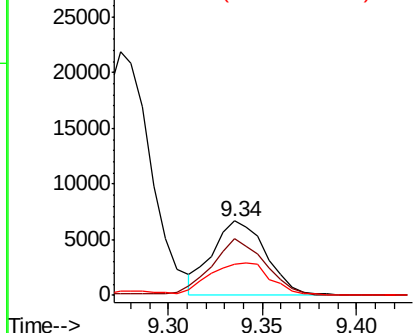
#35
Methylcyclohexane
Concen: 1.247 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Instrument :
MSVOA_W
ClientSampleId :
MDLCHECK

Tot Ion: 83 Resp: 13236
Ion Ratio Lower Upper
83 100
55 75.8 58.2 87.2
98 49.1 39.9 59.9

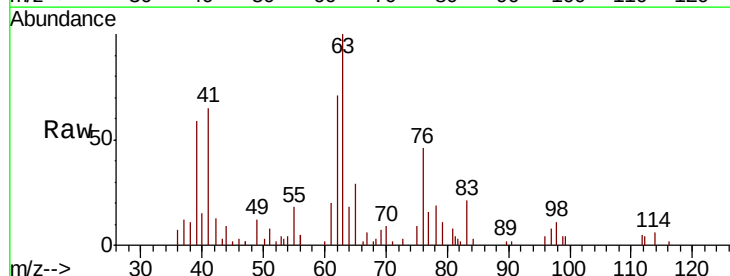


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

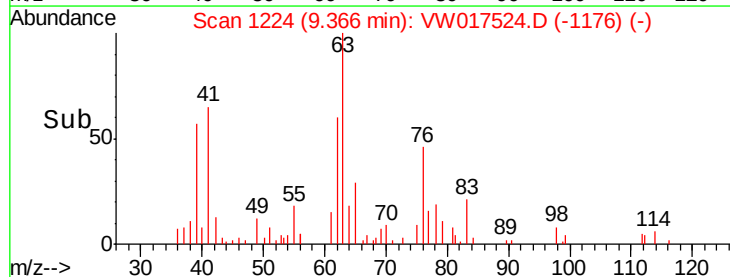
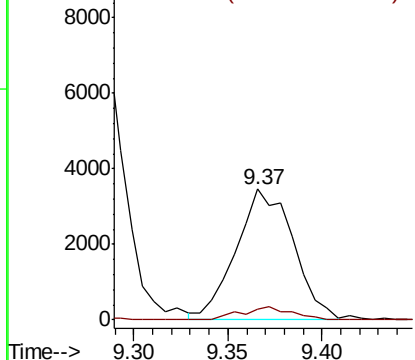


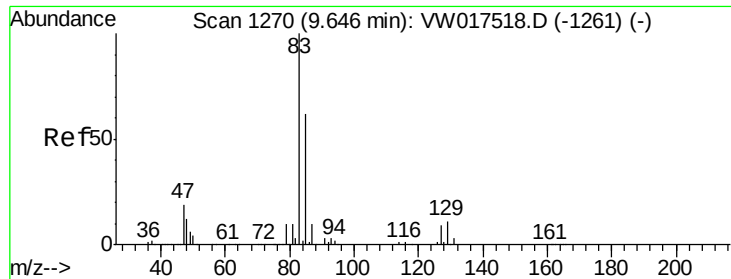
#37
1,2-Dichloropropane
Concen: 1.257 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Tgt Ion: 63 Resp: 7327
Ion Ratio Lower Upper
63 100
112 6.3 3.8 5.8#



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 112.00 (111.70 to 112.70): V

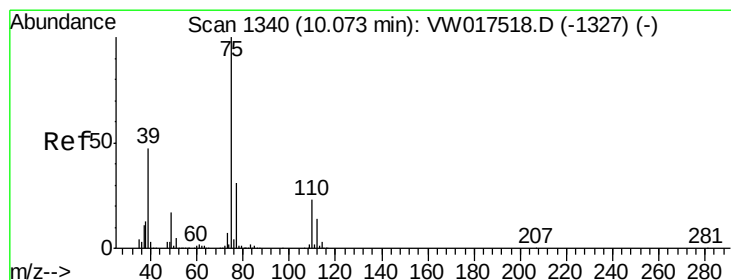
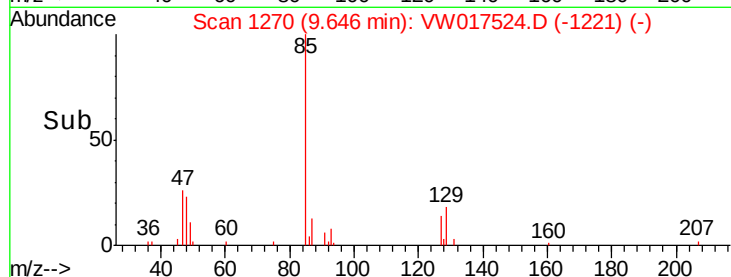
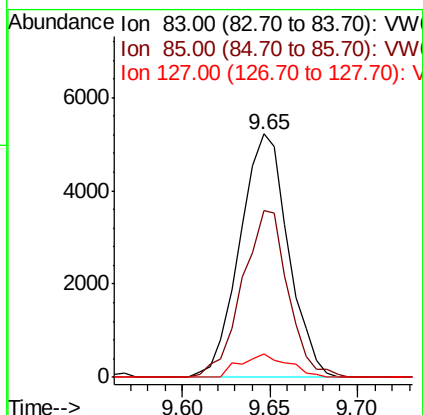
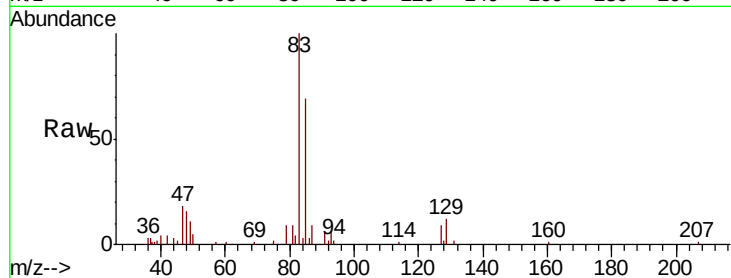




#38
 Bromodichloromethane
 Concen: 1.233 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

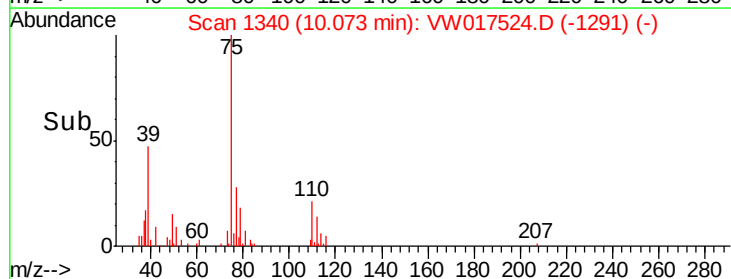
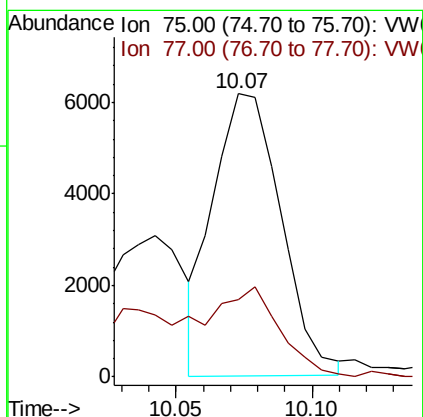
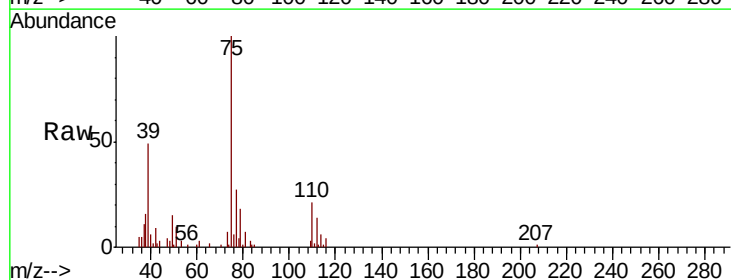
Instrument :
 MSVOA_W
 ClientSampleId :
 MDLCHECK

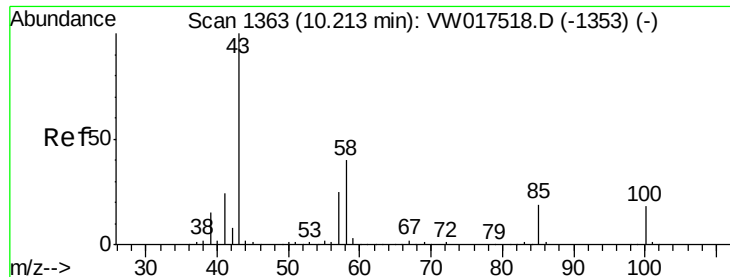
Tot Ion: 83 Resp: 10041
 Ion Ratio Lower Upper
 83 100
 85 68.6 43.3 80.5
 127 9.4 7.2 10.8



#39
 cis-1,3-Dichloropropene
 Concen: 1.166 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

Tgt Ion: 75 Resp: 10693
 Ion Ratio Lower Upper
 75 100
 77 27.1 21.5 39.9

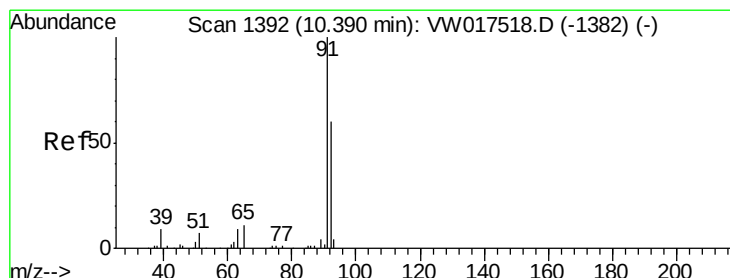
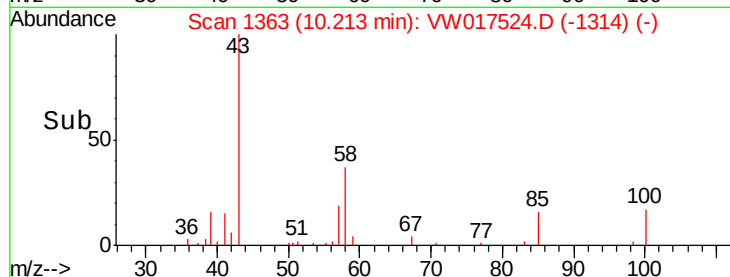
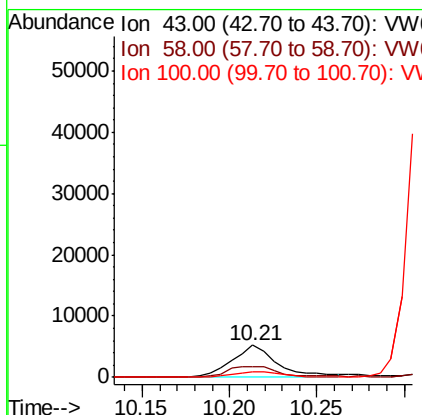
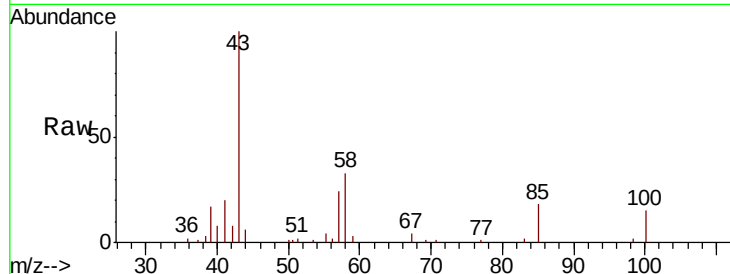




#40
4-Methyl-2-pentanone
Concen: 2.929 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

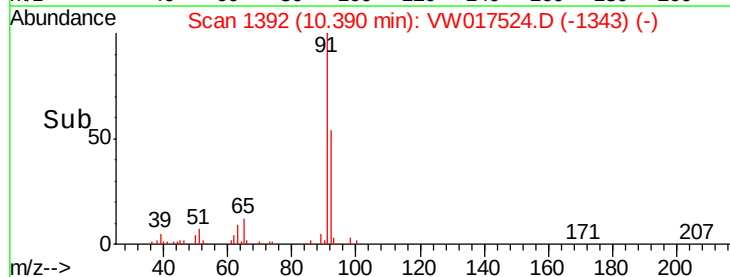
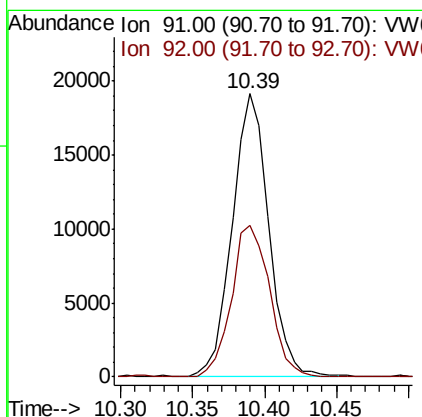
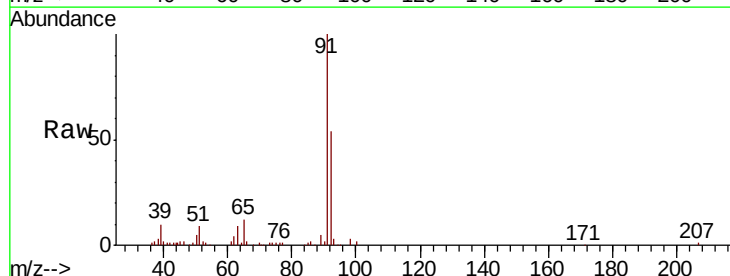
Instrument :
MSVOA_W
ClientSampleId :
MDLCHECK

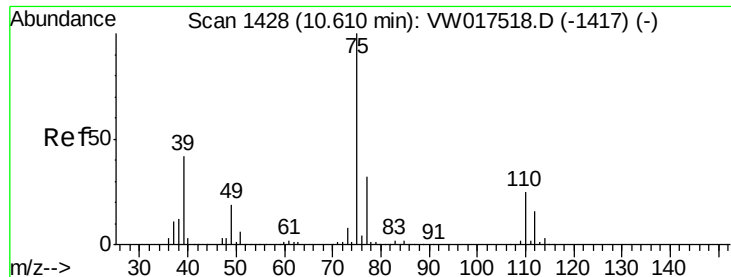
Tot Ion: 43 Resp: 9594
Ion Ratio Lower Upper
43 100
58 39.6 30.8 46.2
100 18.9 12.9 19.3



#42
Toluene
Concen: 1.314 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Tgt Ion: 91 Resp: 33734
Ion Ratio Lower Upper
91 100
92 53.7 42.3 78.5





#44

trans-1,3-Dichloropropene

Concen: 1.634 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Instrument :

MSVOA_W

ClientSampleId :

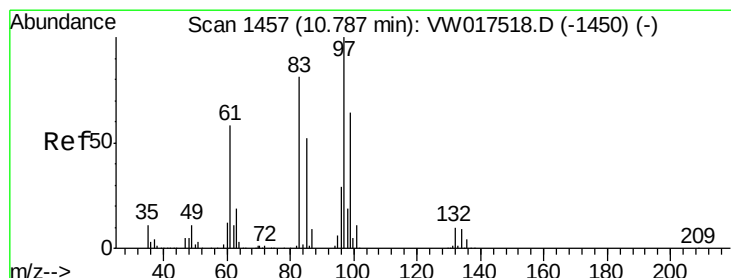
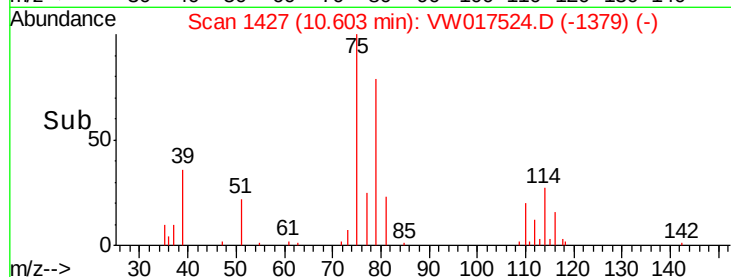
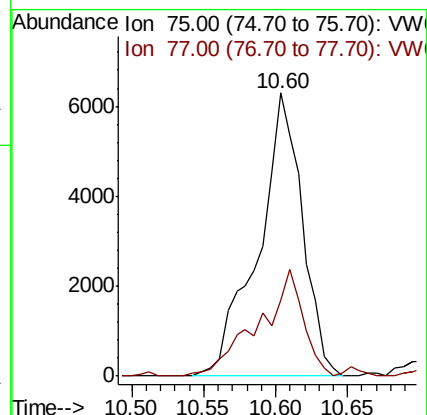
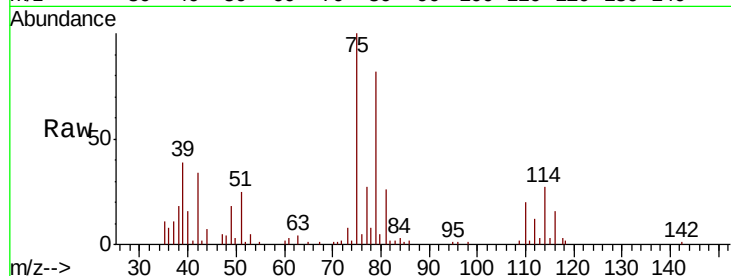
MDLCHECK

Tot Ion: 75 Resp: 13434

Ion Ratio Lower Upper

75 100

77 27.0 22.2 41.2



#45

1,1,2-Trichloroethane

Concen: 1.232 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Tgt Ion: 97 Resp: 5676

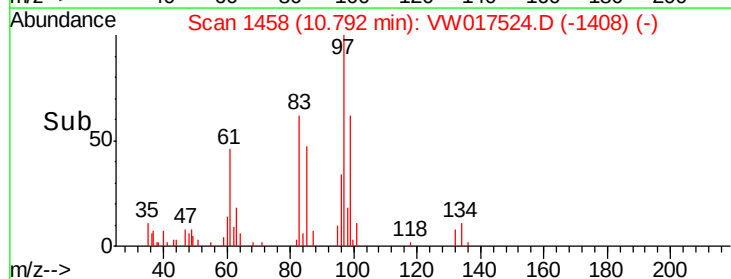
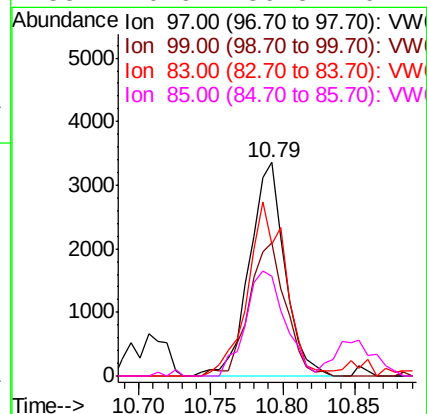
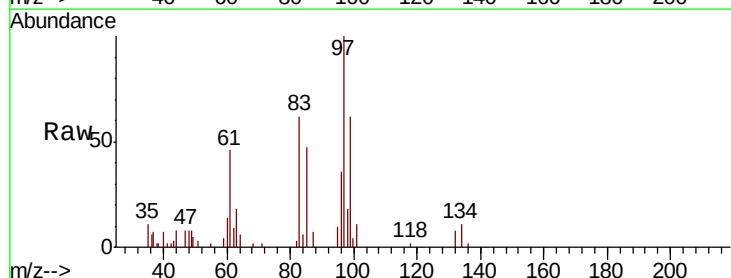
Ion Ratio Lower Upper

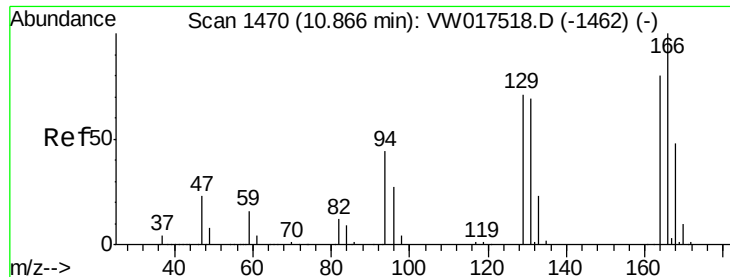
97 100

99 62.5 44.5 82.7

83 61.9 56.7 105.3

85 46.9 36.5 67.7

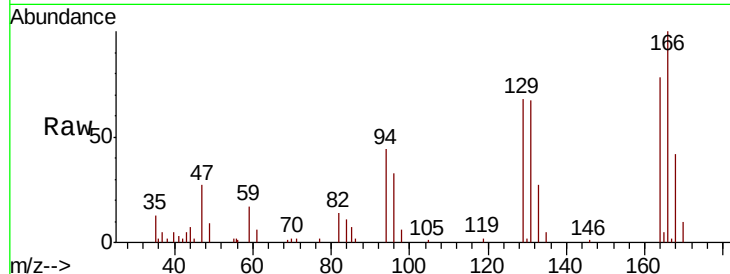




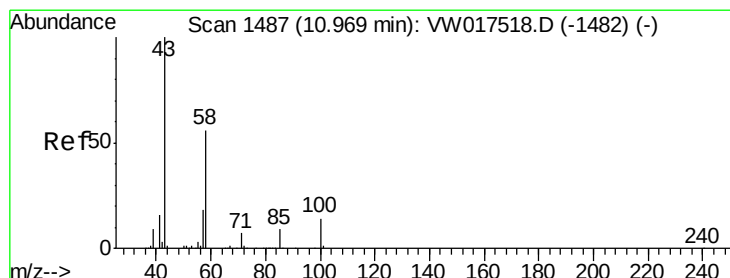
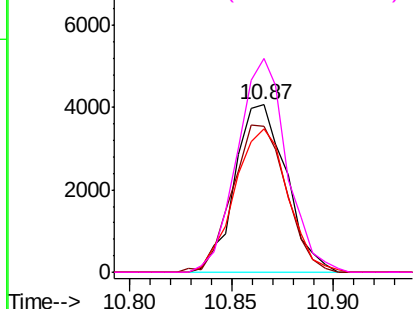
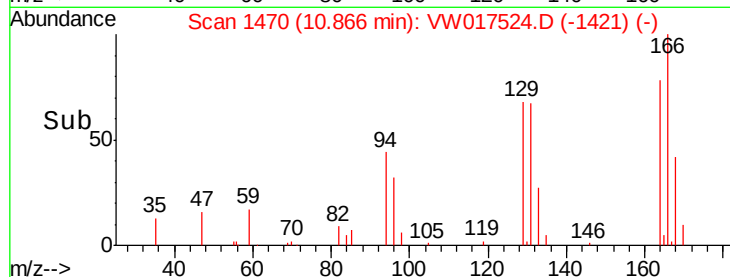
#46
Tetrachloroethene
Concen: 1.302 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Instrument :
MSVOA_W
ClientSampleId :
MDLCHECK

Tot Ion:164 Resp: 7120
Ion Ratio Lower Upper
164 100
129 87.1 61.9 115.1
131 86.1 60.4 112.2
166 127.9 87.5 162.5

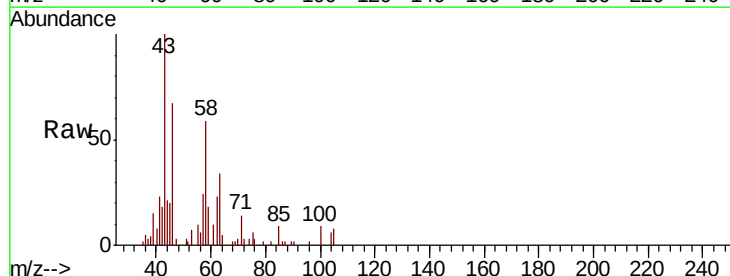


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

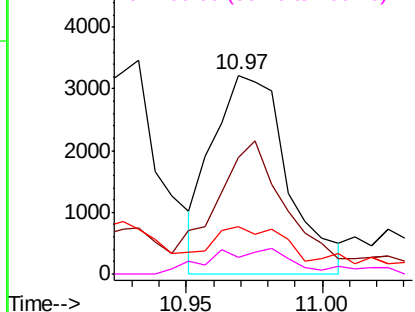
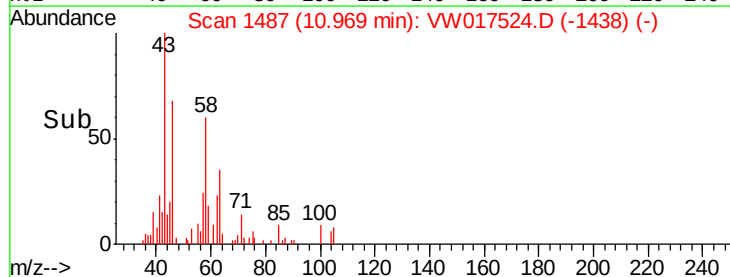


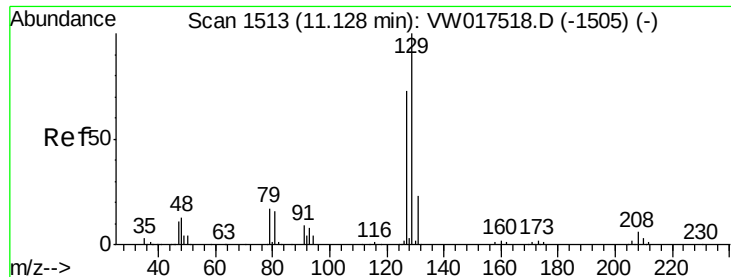
#48
2-Hexanone
Concen: 2.729 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Tgt Ion: 43 Resp: 6181
Ion Ratio Lower Upper
43 100
58 0.0 44.5 66.7#
57 18.0 14.7 22.1
100 6.6 9.8 14.6#



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





#49

Dibromochloromethane

Concen: 1.171 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Instrument :

MSVOA_W

ClientSampleId :

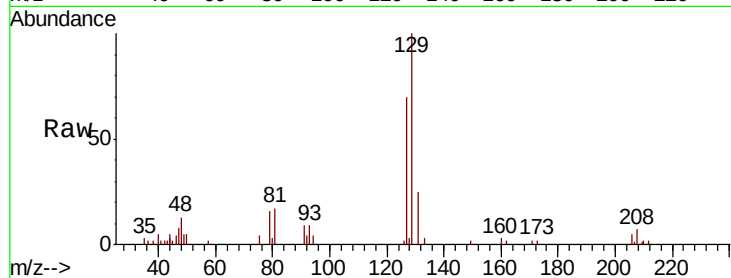
MDLCHECK

Tot Ion:129 Resp: 6725

Ion Ratio Lower Upper

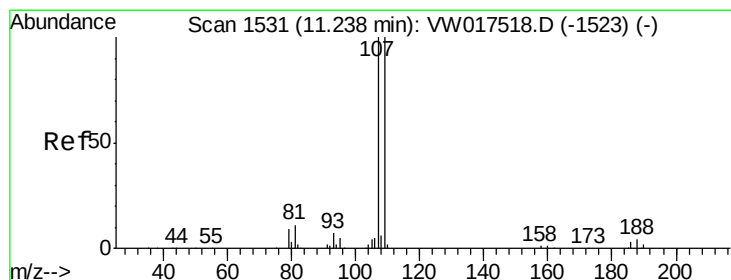
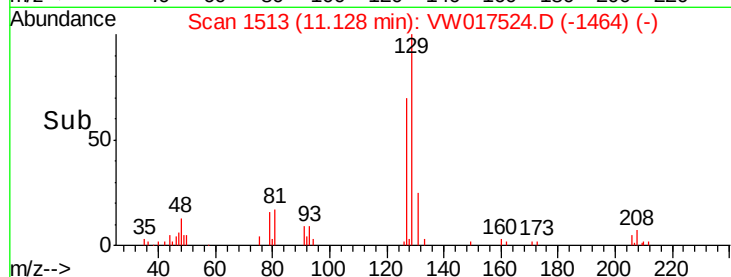
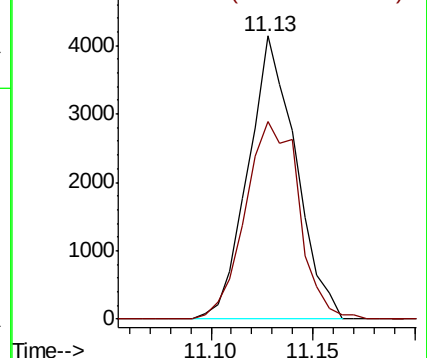
129 100

127 70.0 51.2 95.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 1.214 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

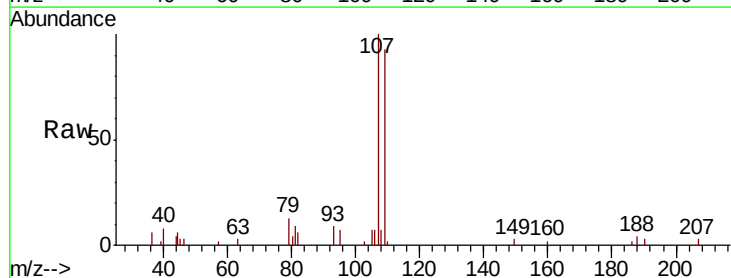
Tgt Ion:107 Resp: 5462

Ion Ratio Lower Upper

107 100

109 92.9 70.1 130.1

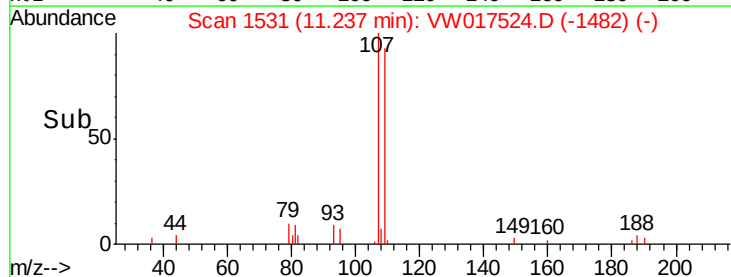
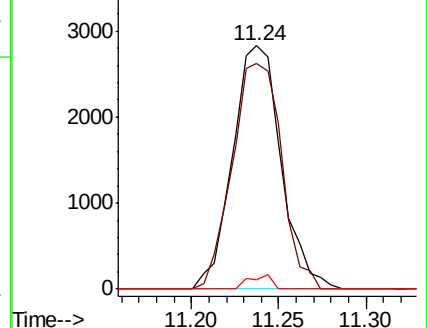
188 4.1 3.0 4.4

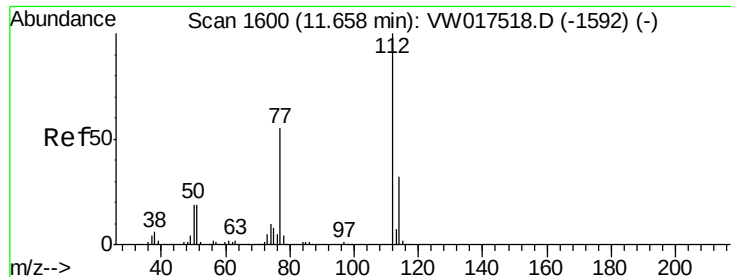


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

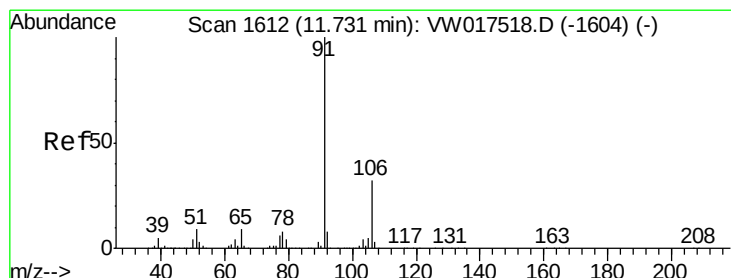
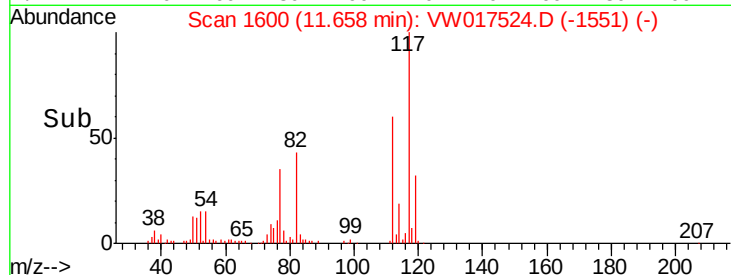
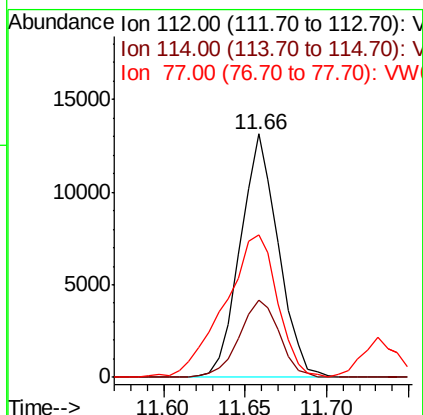
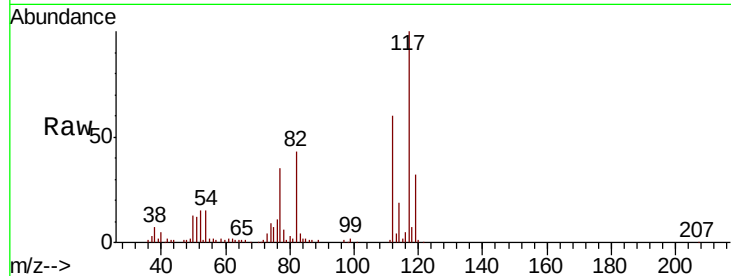




#51
Chlorobenzene
Concen: 1.257 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

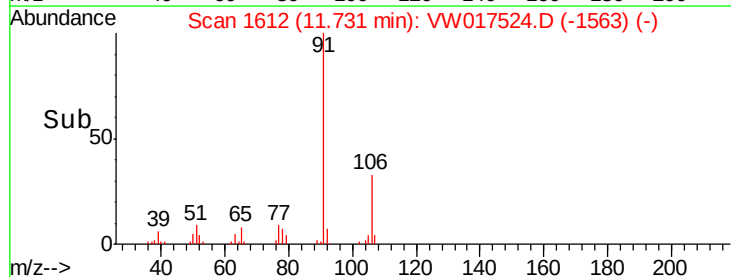
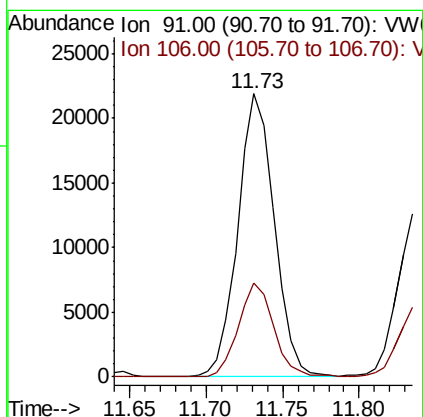
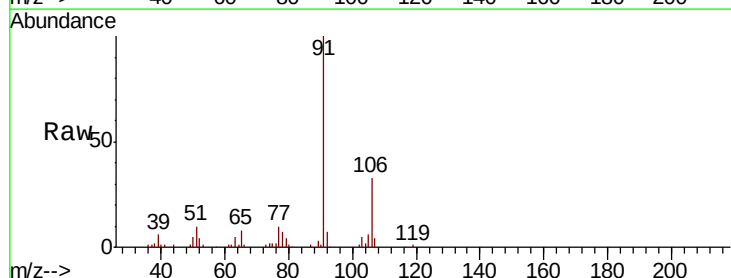
Instrument :
MSVOA_W
ClientSampleId :
MDLCHECK

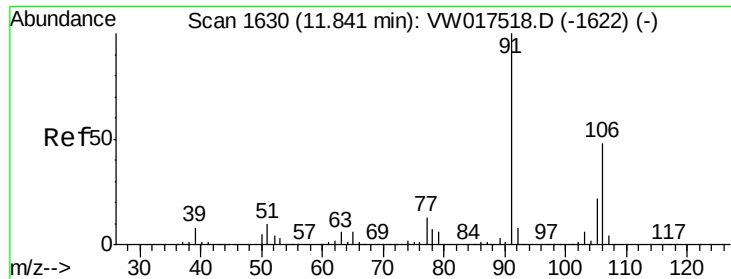
Tot Ion:112 Resp: 21368
Ion Ratio Lower Upper
112 100
114 31.5 22.6 42.0
77 58.6 44.3 66.5



#52
Ethylbenzene
Concen: 1.249 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Tgt Ion: 91 Resp: 36270
Ion Ratio Lower Upper
91 100
106 33.0 22.3 41.3

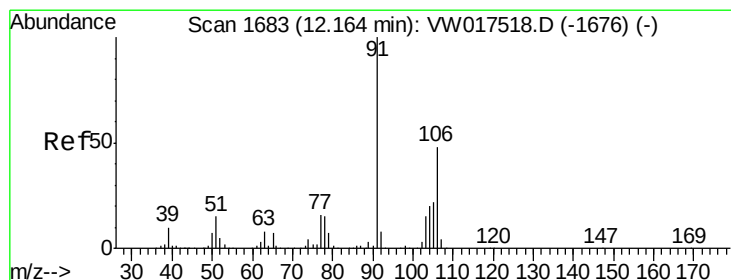
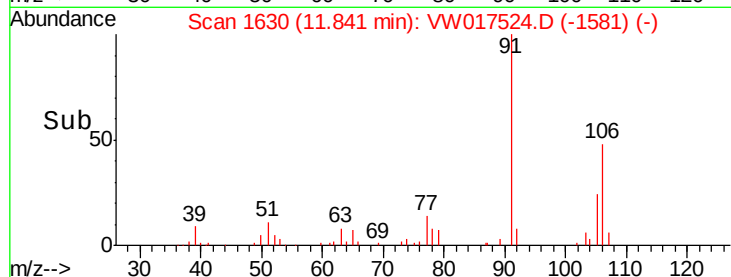
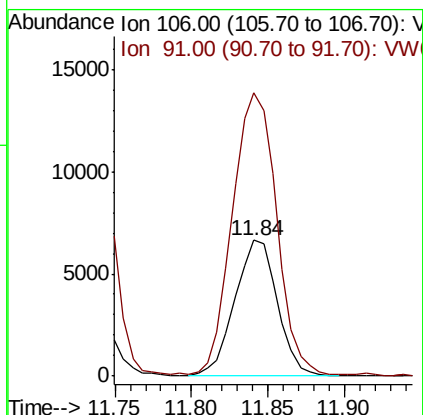
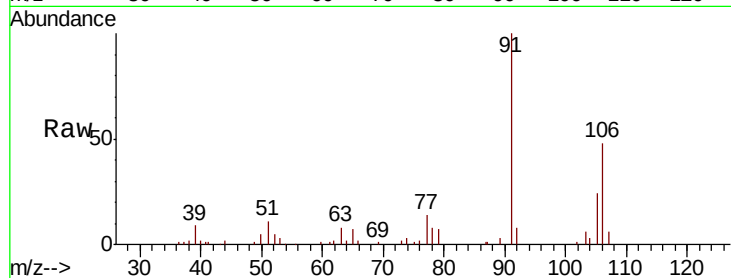




#53
m,p-Xylene
Concen: 1.169 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

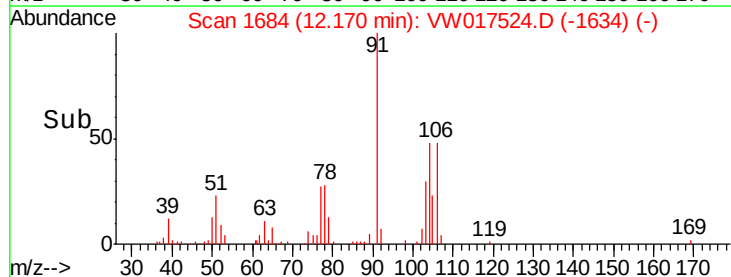
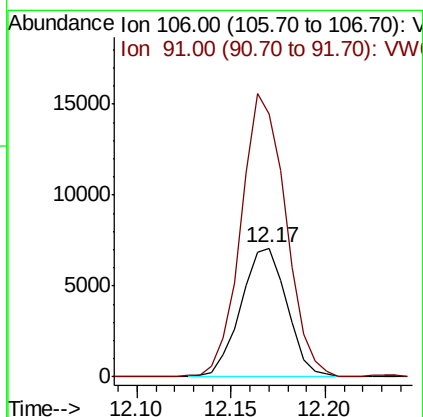
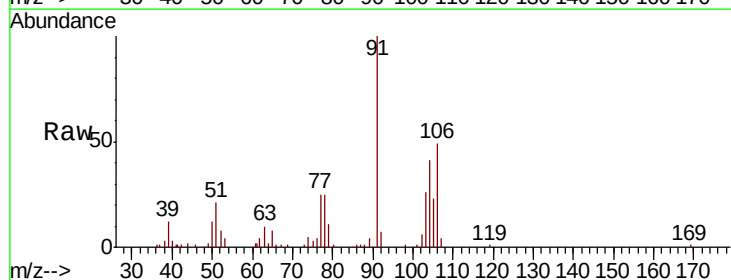
Instrument :
MSVOA_W
ClientSampled :
MDLCHECK

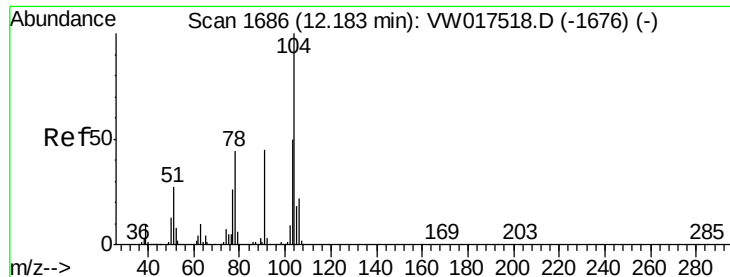
Tot Ion:106 Resp: 12819
Ion Ratio Lower Upper
106 100
91 208.4 145.4 270.0



#54
o-Xylene
Concen: 1.159 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Tgt Ion:106 Resp: 12068
Ion Ratio Lower Upper
106 100
91 203.8 146.0 271.2





#55

Stvrene

Concen: 1.081 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Instrument :

MSVOA_W

ClientSampleId :

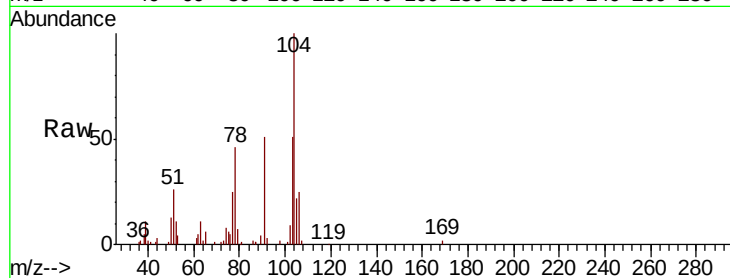
MDLCHECK

Tot Ion:104 Resp: 19237

Ion Ratio Lower Upper

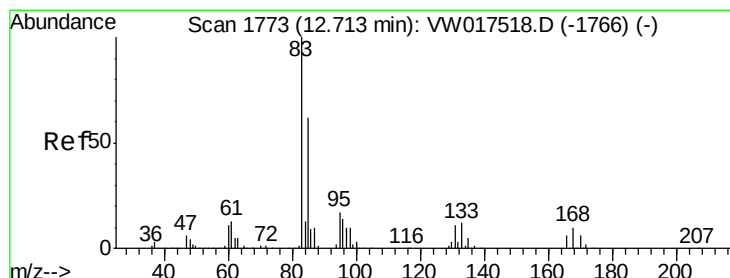
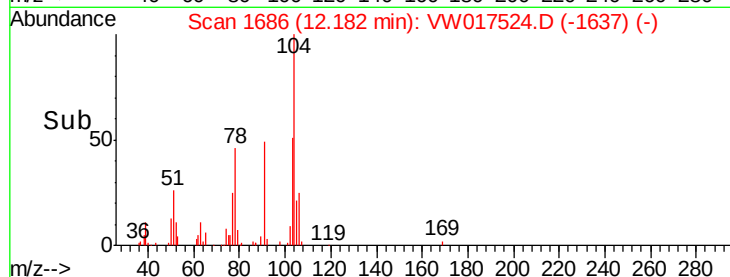
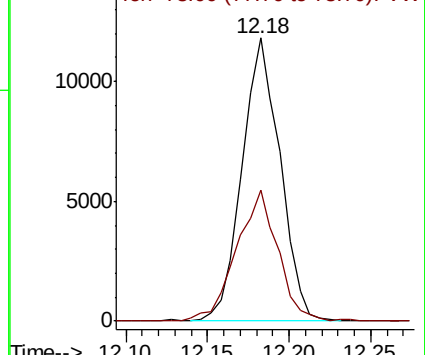
104 100

78 46.1 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

1,1,2,2-Tetrachloroethane

Concen: 1.297 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

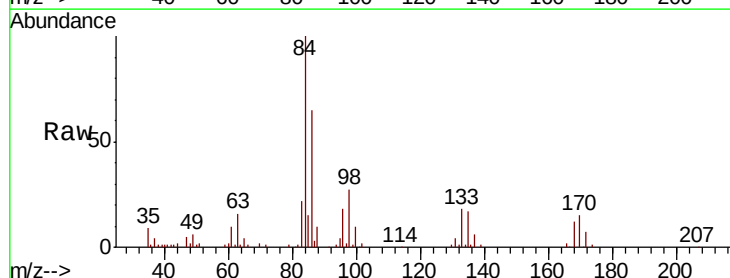
Tgt Ion: 83 Resp: 6972

Ion Ratio Lower Upper

83 100

85 70.3 43.3 80.3

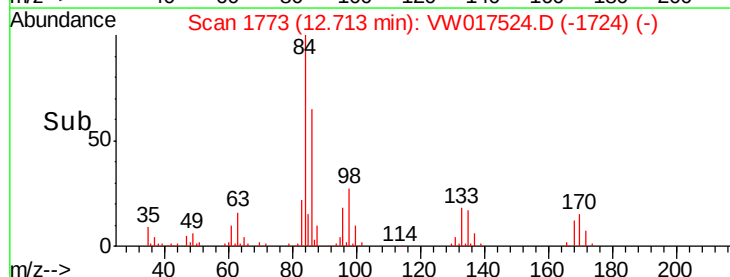
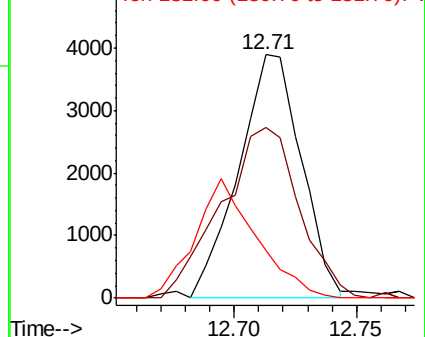
131 19.7 9.1 13.7#

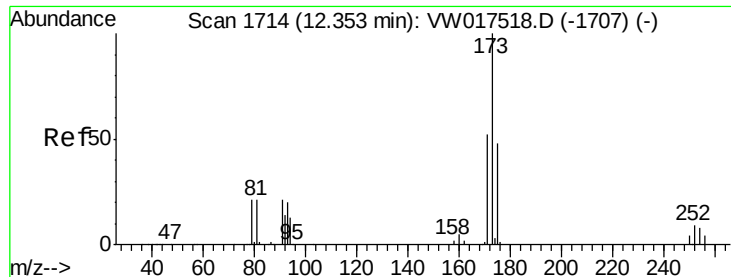


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

Bromoform

Concen: 1.134 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Instrument :

MSVOA_W

ClientSampleId :

MDLCHECK

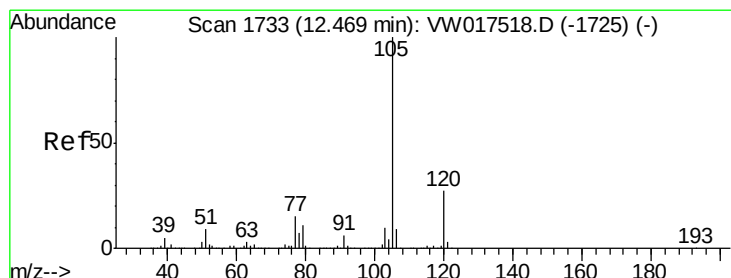
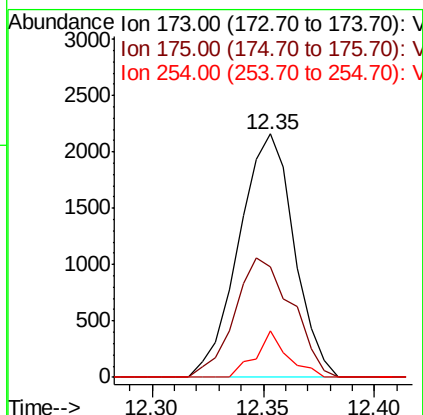
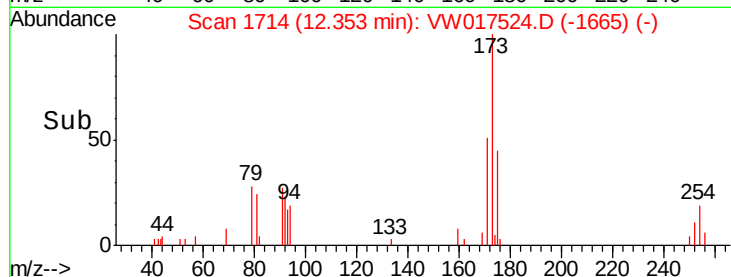
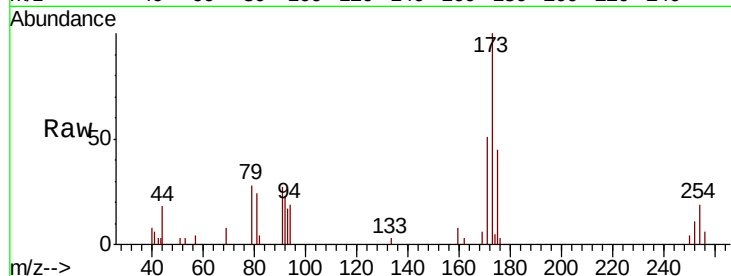
Tot Ion:173 Resp: 3724

Ion Ratio Lower Upper

173 100

175 50.9 38.9 58.3

254 11.1 6.7 10.1#



#60

Isopropylbenzene

Concen: 1.174 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

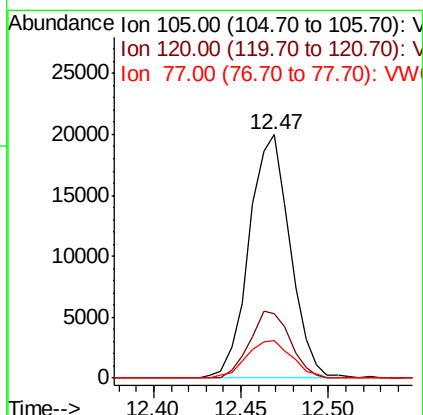
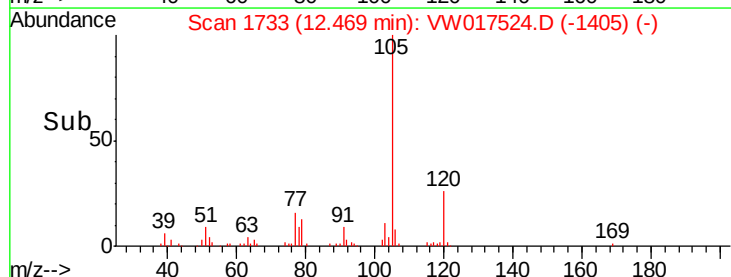
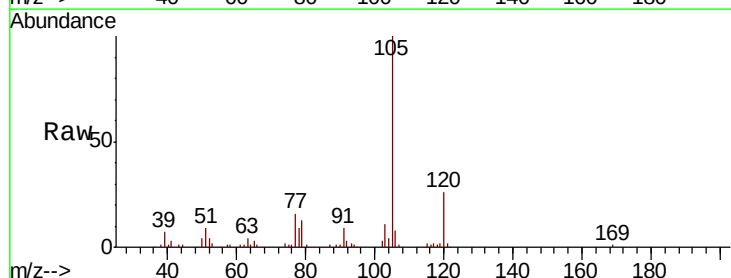
Tgt Ion:105 Resp: 32498

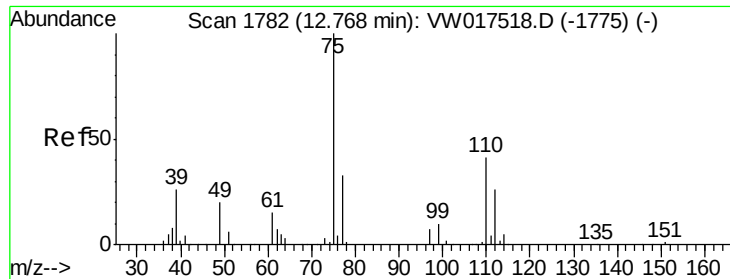
Ion Ratio Lower Upper

105 100

120 27.2 21.5 32.3

77 17.0 12.2 18.4

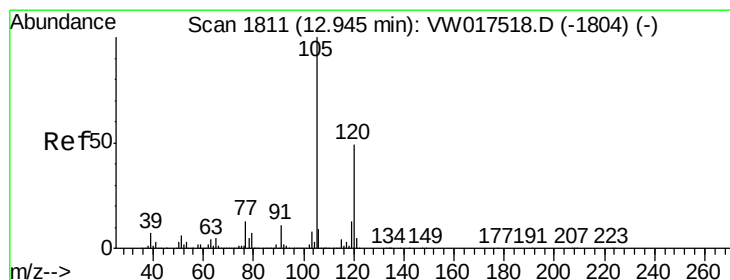
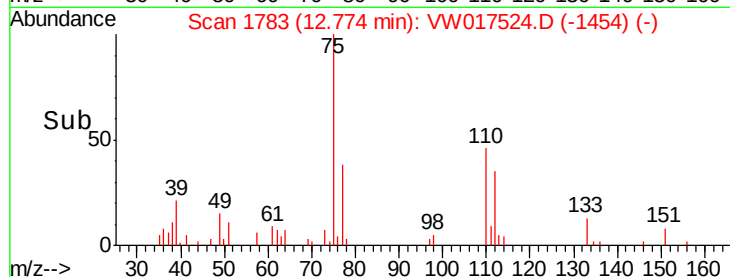
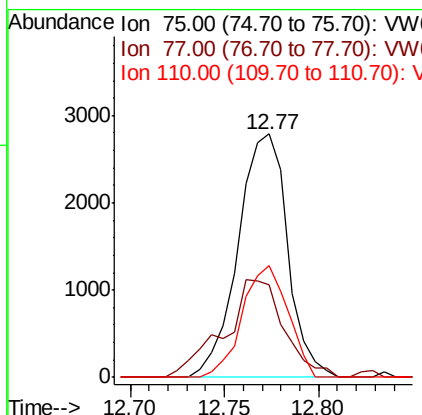
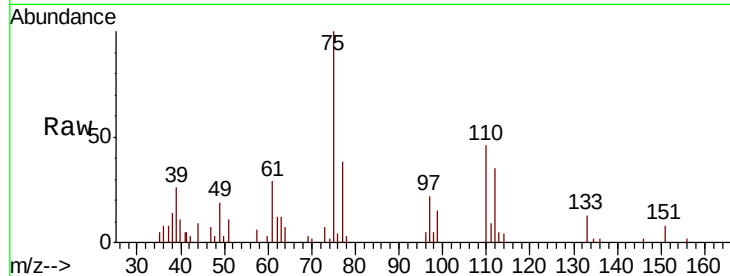




#61
 1,2,3-Trichloropropane
 Concen: 1.309 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

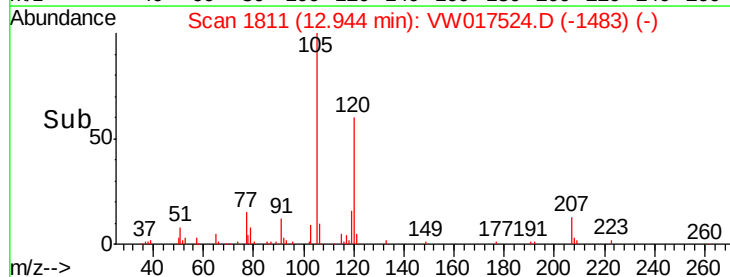
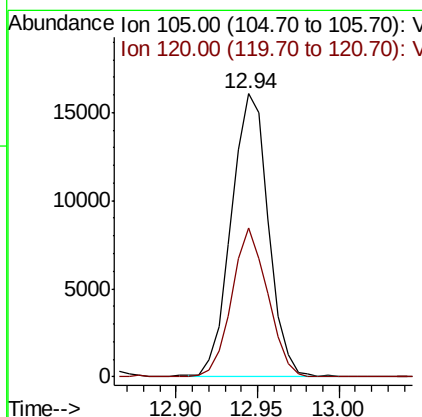
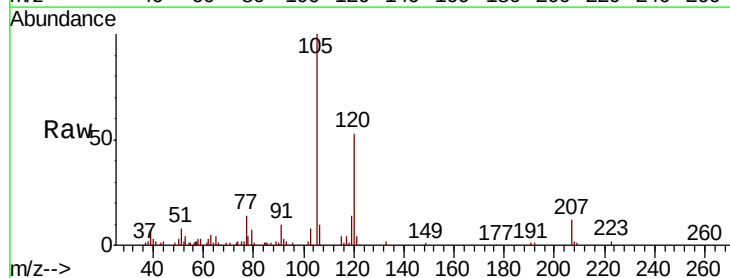
Instrument :
 MSVOA_W
 ClientSampleId :
 MDLCHECK

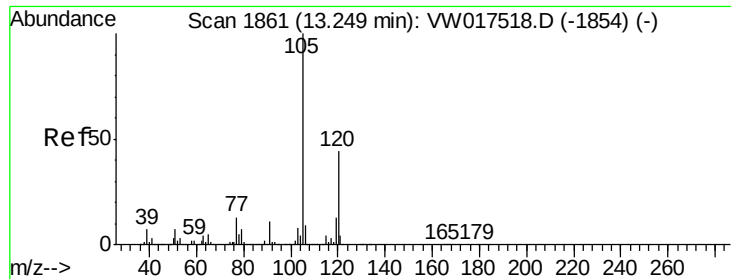
Tot Ion: 75 Resp: 5073
 Ion Ratio Lower Upper
 75 100
 77 37.6 26.6 40.0
 110 42.1 34.4 51.6



#62
 1,3,5-Trimethylbenzene
 Concen: 1.130 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

Tgt Ion: 105 Resp: 25490
 Ion Ratio Lower Upper
 105 100
 120 50.5 38.9 58.3

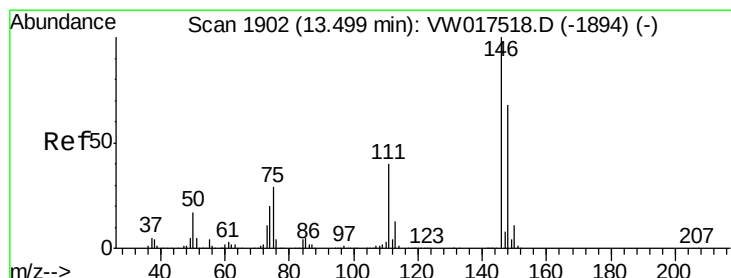
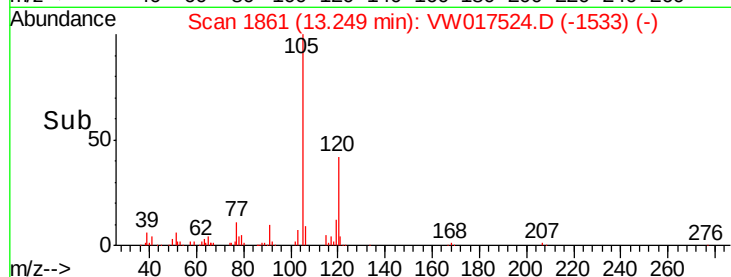
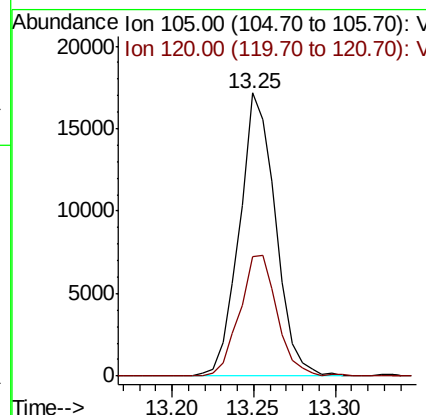
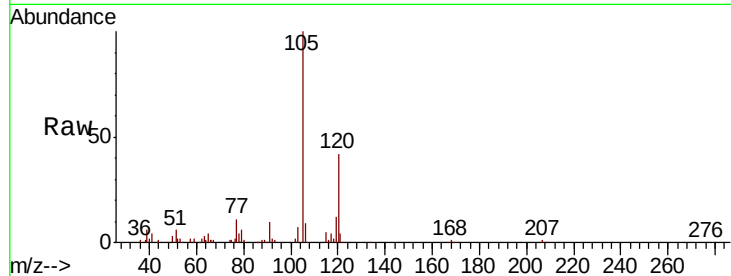




#63
 1,2,4-Trimethylbenzene
 Concen: 1.188 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

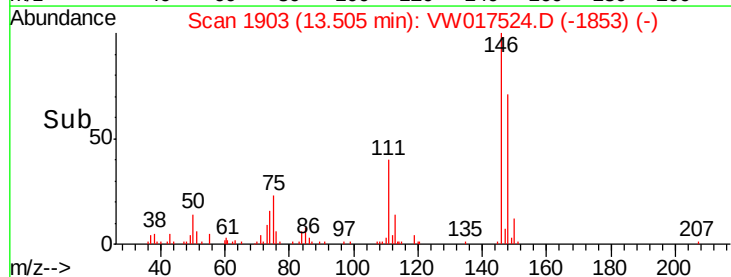
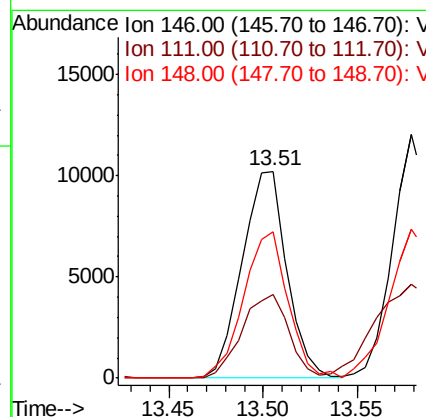
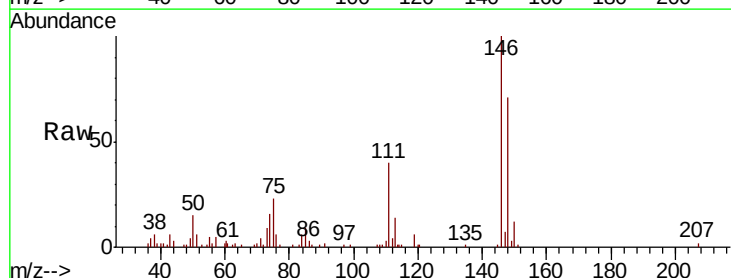
Instrument :
 MSVOA_W
 ClientSampleId :
 MDLCHECK

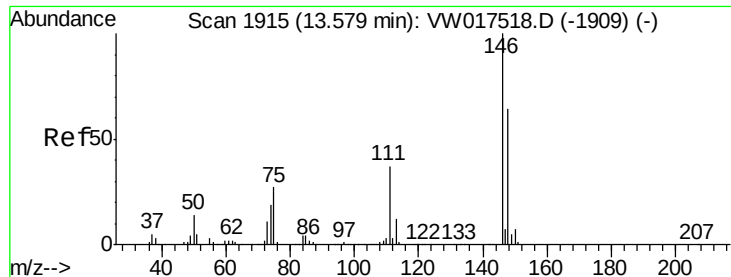
Tot Ion:105 Resp: 26488
 Ion Ratio Lower Upper
 105 100
 120 43.9 36.8 55.2



#64
 1,3-Dichlorobenzene
 Concen: 1.281 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

Tgt Ion:146 Resp: 16850
 Ion Ratio Lower Upper
 146 100
 111 40.4 27.9 51.9
 148 70.6 47.3 87.8

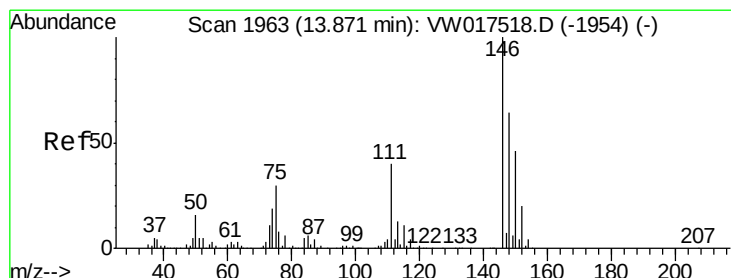
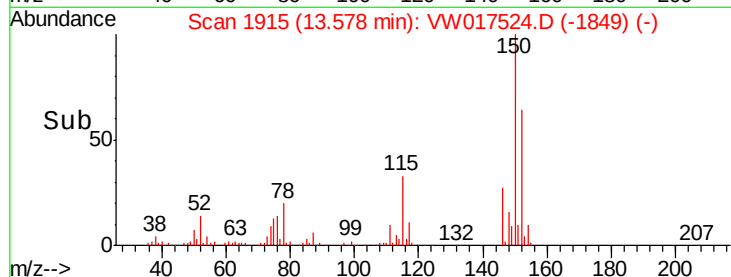
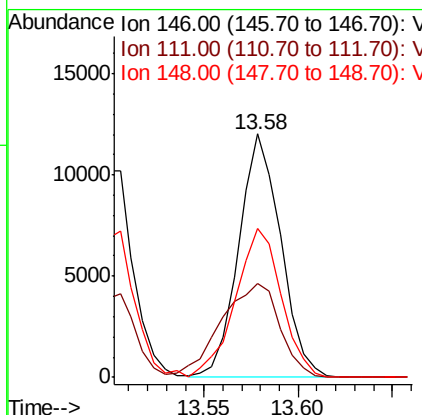
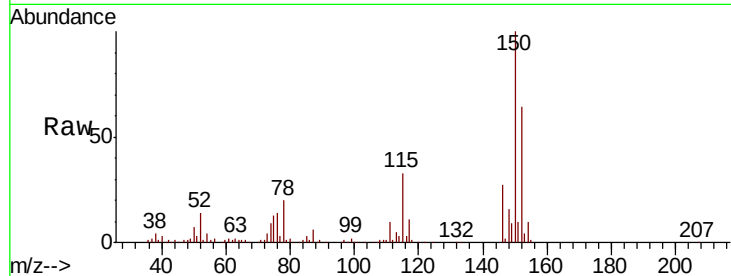




#65
1,4-Dichlorobenzene
Concen: 1.392 ug/L
RT: 13.58 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

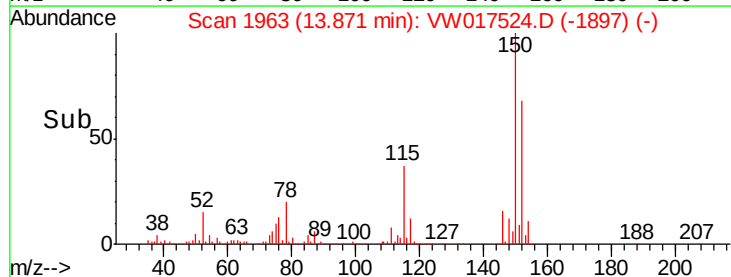
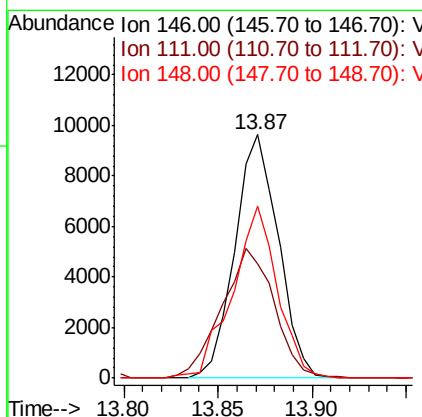
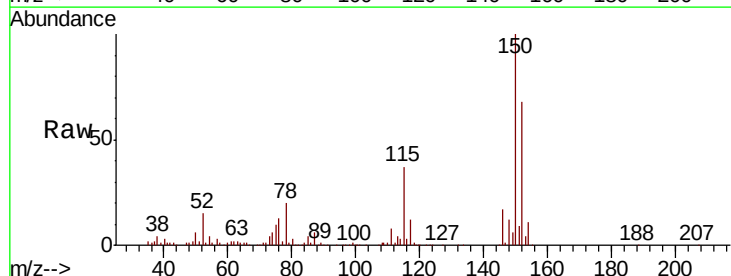
Instrument :
MSVOA_W
ClientSampleId :
MDLCHECK

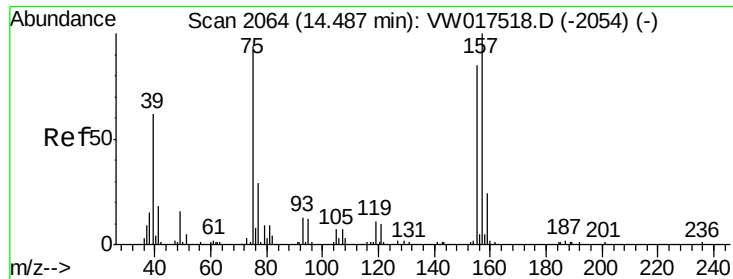
Tot Ion:146 Resp: 18587
Ion Ratio Lower Upper
146 100
111 38.5 26.3 48.9
148 61.3 44.9 83.3



#67
1,2-Dichlorobenzene
Concen: 1.293 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW017524.D
Acq: 02 Dec 2020 16:15

Tgt Ion:146 Resp: 15435
Ion Ratio Lower Upper
146 100
111 46.9 32.4 48.6
148 70.5 51.3 76.9





#68

1,2-Dibromo-3-chloropropane

Concen: 1.534 ug/L

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Instrument :

MSVOA_W

ClientSampled :

MDLCHECK

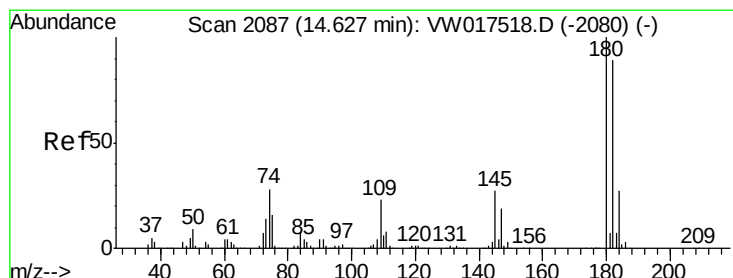
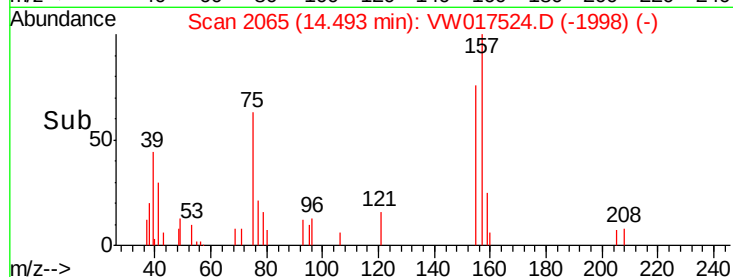
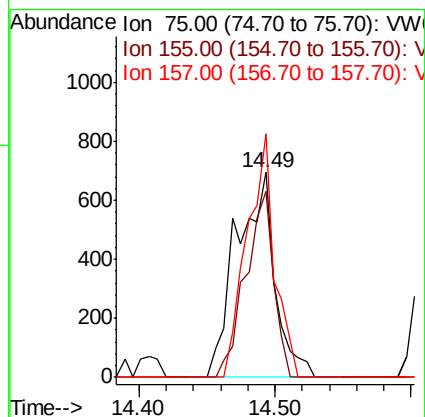
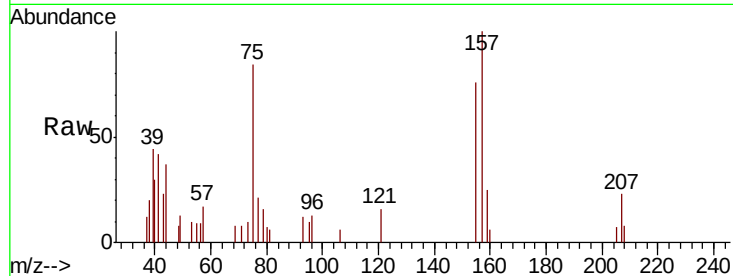
Tot Ion: 75 Resp: 1362

Ion Ratio Lower Upper

75 100

155 90.5 72.6 109.0

157 118.7 85.2 127.8



#69

1,3,5-Trichlorobenzene

Concen: 1.289 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Tgt Ion:180 Resp: 12396

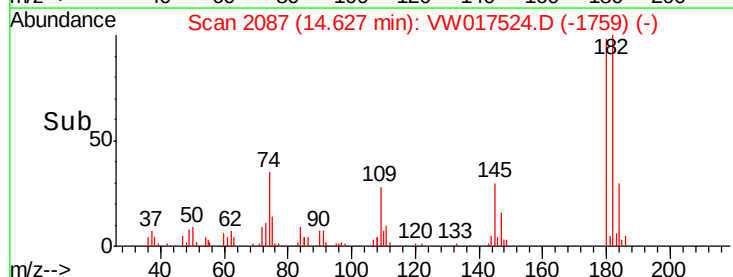
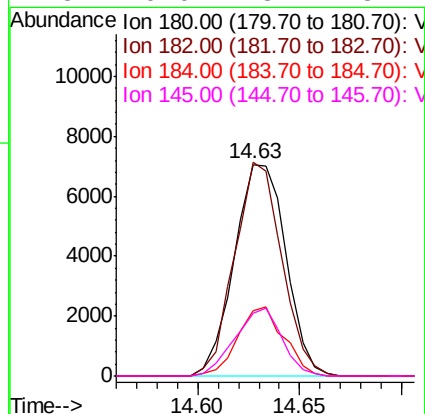
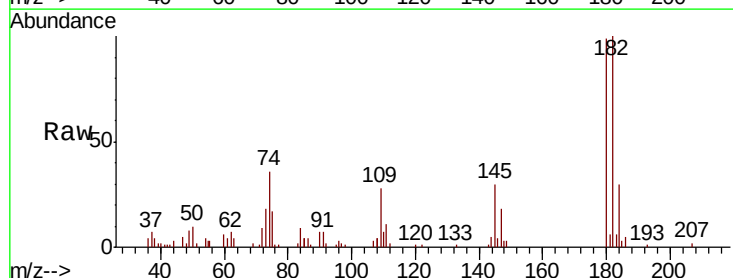
Ion Ratio Lower Upper

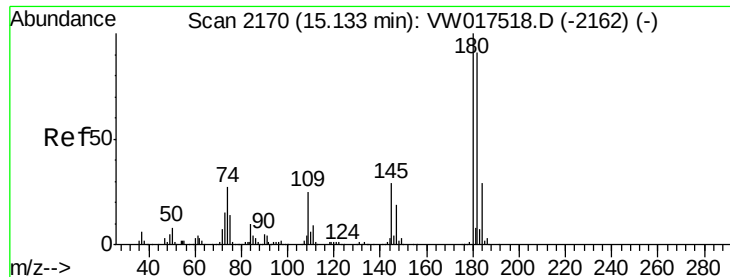
180 100

182 92.7 74.9 112.3

184 29.2 23.8 35.6

145 29.0 23.1 34.7





#70

1,2,4-trichlorobenzene

Concen: 1.421 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

Instrument :

MSVOA_W

ClientSampleId :

MDLCHECK

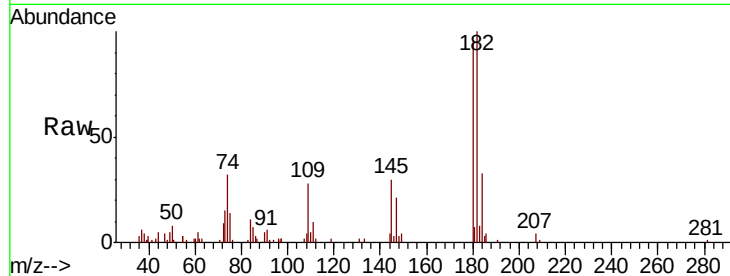
Tot Ion:180 Resp: 11487

Ion Ratio Lower Upper

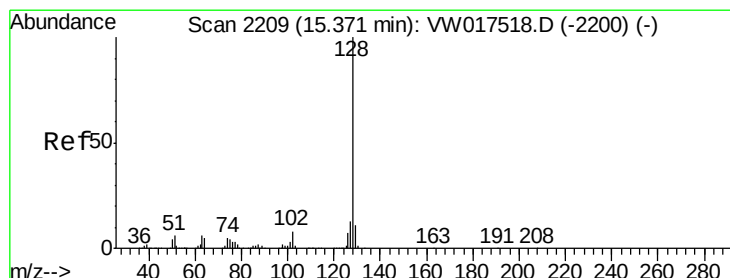
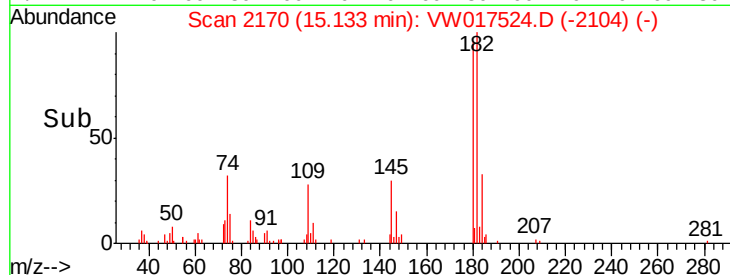
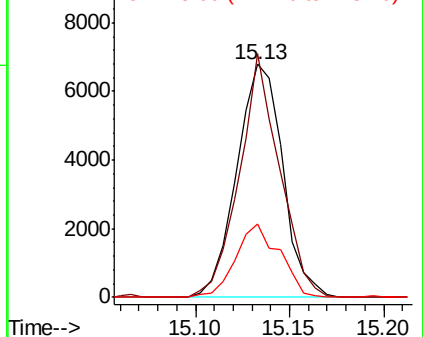
180 100

182 91.3 76.8 115.2

145 30.0 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



#71

Naphthalene

Concen: 1.172 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017524.D

Acq: 02 Dec 2020 16:15

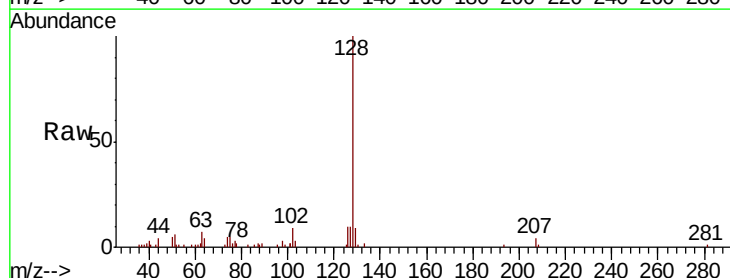
Tgt Ion:128 Resp: 15895

Ion Ratio Lower Upper

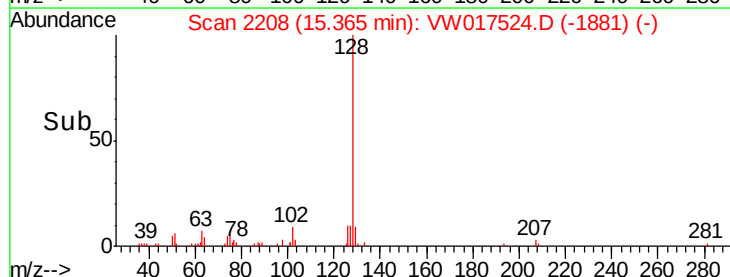
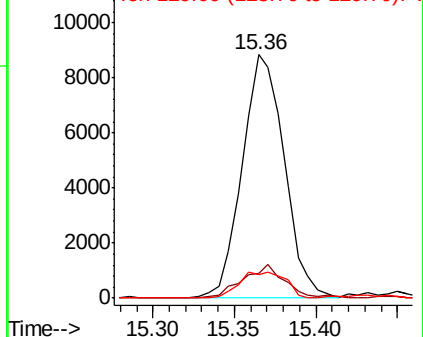
128 100

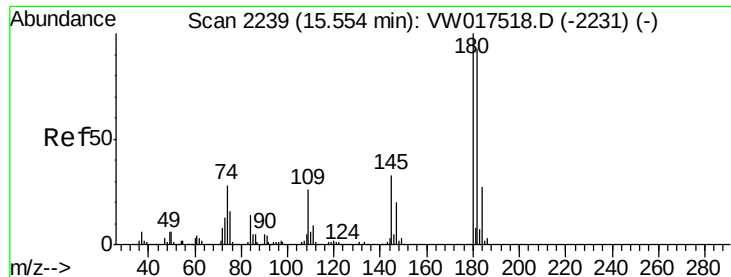
127 13.4 10.6 15.8

129 11.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

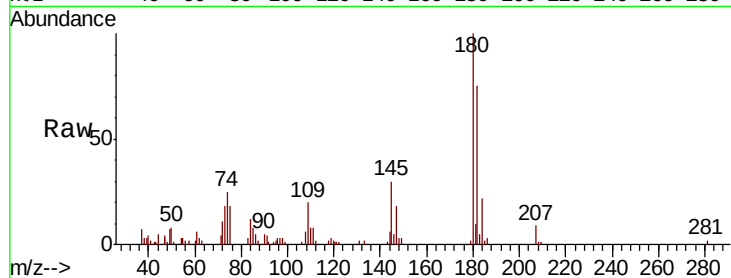




#72
 1,2,3-Trichlorobenzene
 Concen: 1.624 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW017524.D
 Acq: 02 Dec 2020 16:15

Instrument :
 MSVOA_W
 ClientSampleId :
 MDLCHECK

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.2	79.0	118.6
145	33.0	26.8	40.2



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

