

Data File : VW013521.D
Acq On : 10 Oct 2019 15:37
Operator : SY/VA
Sample : VSTD00566
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 10 16:15:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 10 14:17:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	506561	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	444686	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	224766	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	30846	5.30	ug/L	0.00
7) Chloroethane-d5	2.89	69	24114	5.50	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	61195	5.16	ug/L	0.00
20) 2-Butanone-d5	7.09	46	17876	9.72	ug/L	0.01
24) Chloroform-d	7.65	84	57100	5.17	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	30298	5.33	ug/L	0.00
29) Benzene-d6	8.27	84	123903	5.15	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	36911	5.25	ug/L	0.00
37) Toluene-d8	10.32	98	116574	5.18	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	16106	5.14	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	14951	10.74	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	29899	5.31	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	42512	5.25	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	15251	6.857 ug/L	96
3) Chloromethane	2.21	50	28208	6.734 ug/L	98
5) Vinyl chloride	2.36	62	34886	5.524 ug/L	98
6) Bromomethane	2.78	94	21637	5.616 ug/L	95
8) Chloroethane	2.92	64	18796	5.141 ug/L	99
9) Trichlorofluoromethane	3.26	101	16816	5.012 ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	30976	5.152 ug/L	97
12) 1,1-Dichloroethene	4.03	96	31251	5.131 ug/L	85
13) Acetone	4.14	43	24183	13.366 ug/L	98
14) Carbon disulfide	4.38	76	91882	5.006 ug/L	99
15) Methyl Acetate	4.68	43	15053	4.919 ug/L #	88
16) Methylene chloride	4.91	84	41857	6.075 ug/L	97
17) Methyl tert-butyl Ether	5.42	73	50104	5.043 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	32954	5.035 ug/L	94
19) 1,1-Dichloroethane	6.21	63	55844	5.088 ug/L	98
21) 2-Butanone	7.18	43	26536	11.384 ug/L	92
22) cis-1,2-Dichloroethene	7.17	96	34945	5.010 ug/L	96
23) Bromochloromethane	7.51	128	15835	5.023 ug/L	96
25) Chloroform	7.67	83	55140	5.078 ug/L	100
27) 1,2-Dichloroethane	8.40	62	34580	5.003 ug/L	95
30) Cyclohexane	7.96	56	57097	5.114 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	42859	4.945 ug/L	98
32) Carbon tetrachloride	8.07	117	41298	5.026 ug/L	100
34) Benzene	8.32	78	131650	5.093 ug/L	100
35) Trichloroethene	9.09	95	33930	5.026 ug/L	99
36) Methylcyclohexane	9.34	83	61616	5.047 ug/L	98
40) 1,2-Dichloropropane	9.37	63	31415	4.992 ug/L	99
41) Bromodichloromethane	9.65	83	37626	4.872 ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	49448	4.915 ug/L	94
43) 4-Methyl-2-pentanone	10.21	43	44919	10.129 ug/L	98

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QLast Update : Thu Oct 10 14:17:04 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) Toluene	10.39	91	140504	5.020	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	38033	4.779	ug/L	93
46) 1,1,2-Trichloroethane	10.79	97	23822	4.962	ug/L	96
47) Tetrachloroethene	10.86	164	31057	5.053	ug/L	98
49) 2-Hexanone	10.97	43	34079	11.118	ug/L	99
50) Dibromochloromethane	11.13	129	27176	4.804	ug/L	100
51) 1,2-Dibromoethane	11.24	107	23624	5.052	ug/L	89
52) Chlorobenzene	11.66	112	91074	5.153	ug/L	99
53) Ethylbenzene	11.73	91	156868	5.063	ug/L	100
54) m,p-Xylene	11.84	106	61456	5.116	ug/L	99
55) o-xylene	12.16	106	57099	5.073	ug/L	99
56) Styrene	12.18	104	95596	4.977	ug/L	97
57) Isopropylbenzene	12.46	105	155218	5.053	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	28171	4.954	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	21351	5.000	ug/L	94
62) Bromoform	12.35	173	17182	4.850	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	74079	5.157	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	74240	5.224	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	66928	5.234	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	4622	5.185	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	56581	5.366	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	47269	5.413	ug/L	96
69) Naphthalene	15.37	128	79762	4.993	ug/L	98
70) 1,2,3-Trichlorobenzene	15.55	180	40482	5.217	ug/L	98

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

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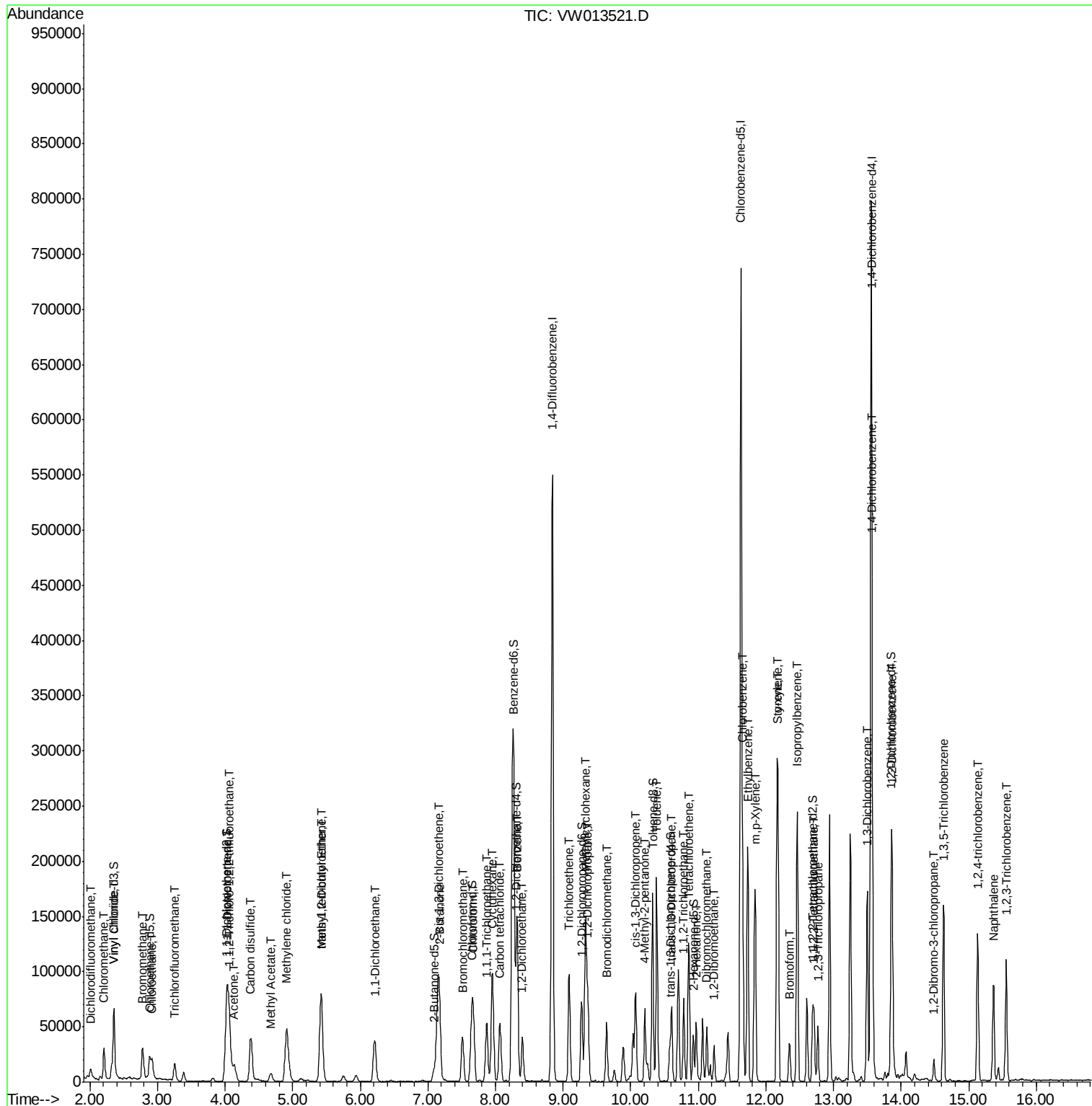
Quant Time: Oct 10 16:15:24 2019

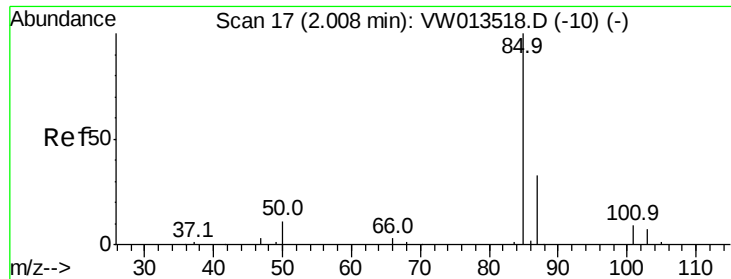
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M

Quant Title : VOC Analysis

QLast Update : Thu Oct 10 14:17:04 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 6.857 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013521.D

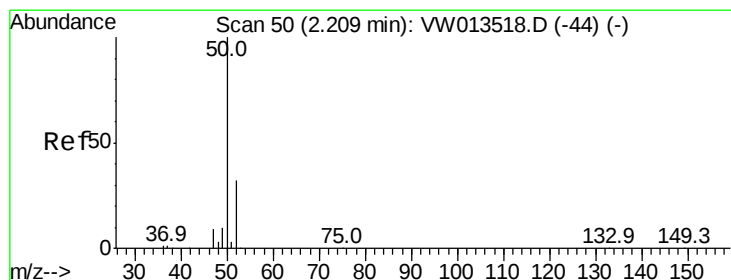
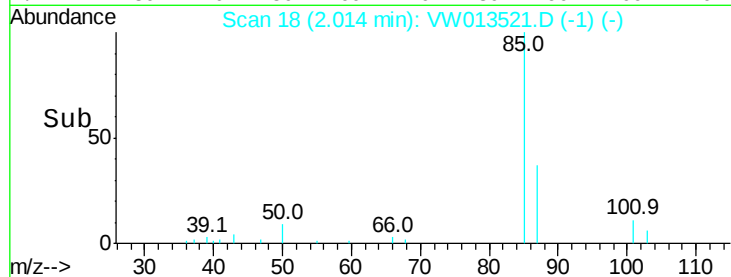
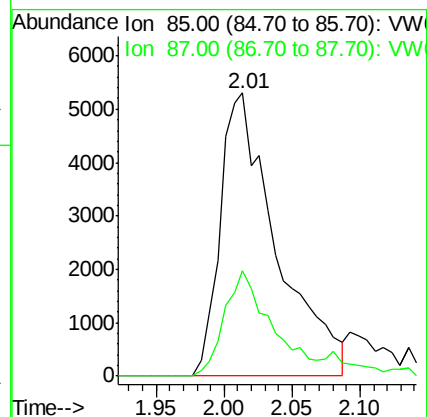
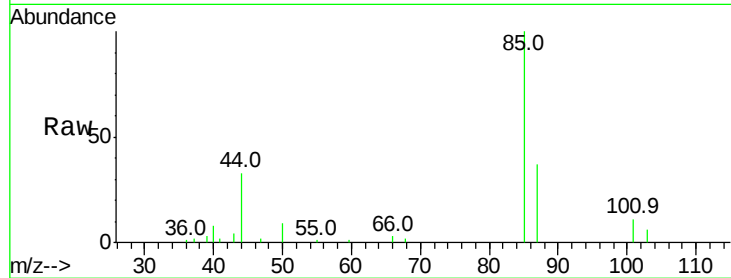
Acq: 10 Oct 2019 15:37

Tgt Ion: 85 Resp: 15251

Ion Ratio Lower Upper

85 100

87 31.2 20.4 38.0



#3

Chloromethane

Concen: 6.734 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013521.D

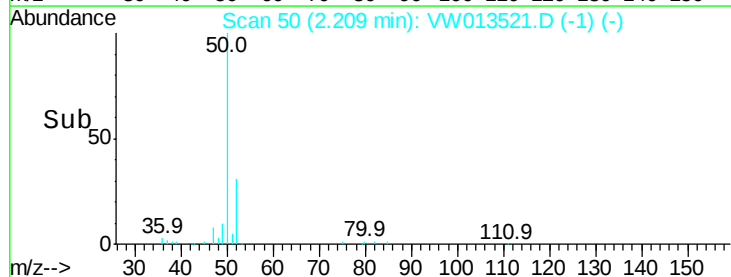
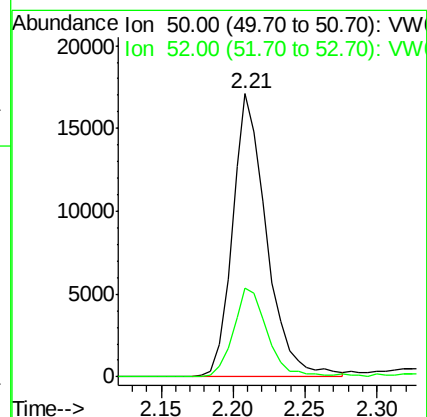
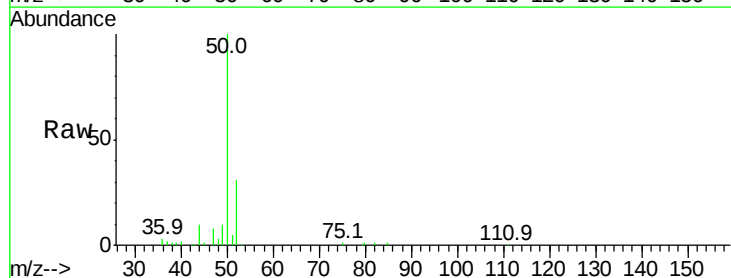
Acq: 10 Oct 2019 15:37

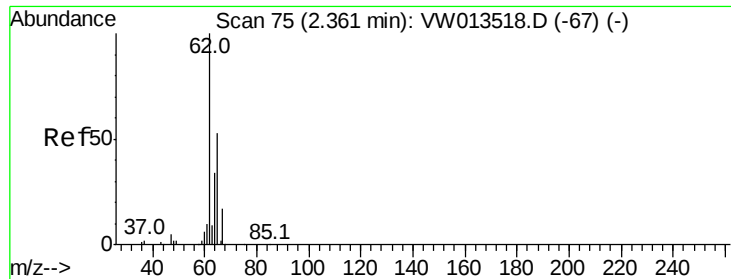
Tgt Ion: 50 Resp: 28208

Ion Ratio Lower Upper

50 100

52 31.4 22.6 42.0





#5

Vinyl chloride

Concen: 5.524 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013521.D

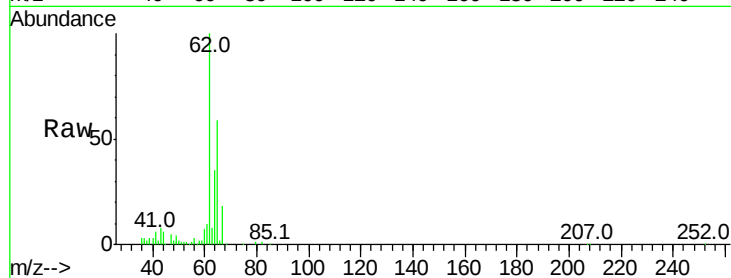
Acq: 10 Oct 2019 15:37

Tgt Ion: 62 Resp: 34886

Ion Ratio Lower Upper

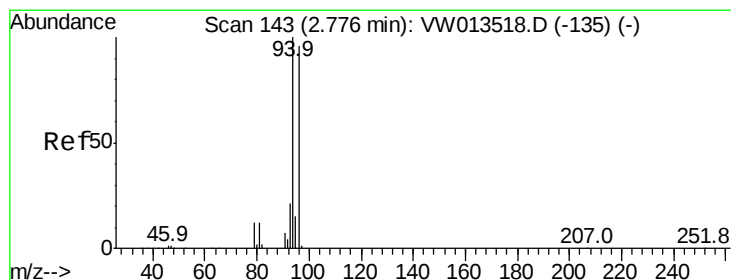
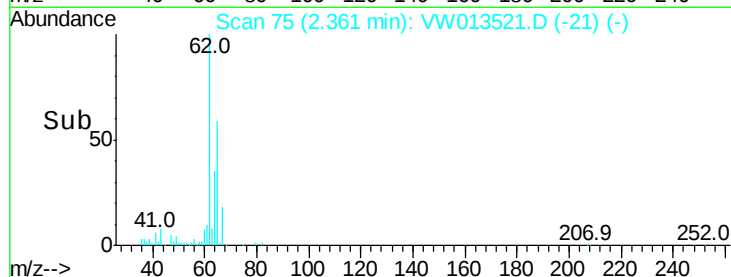
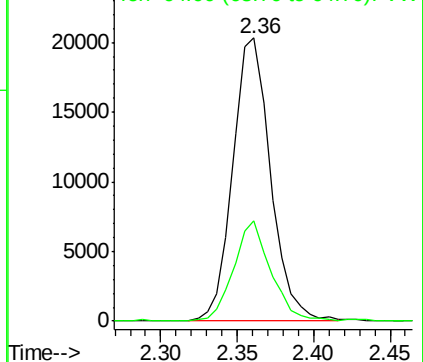
62 100

64 35.5 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 5.616 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW013521.D

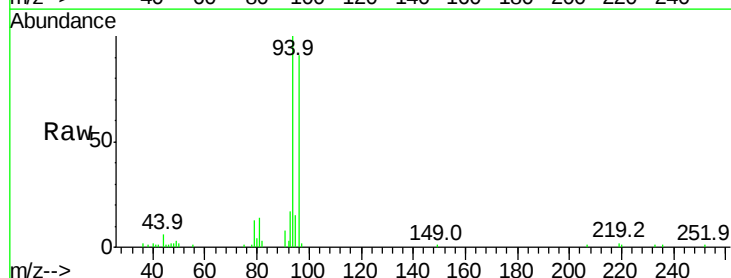
Acq: 10 Oct 2019 15:37

Tgt Ion: 94 Resp: 21637

Ion Ratio Lower Upper

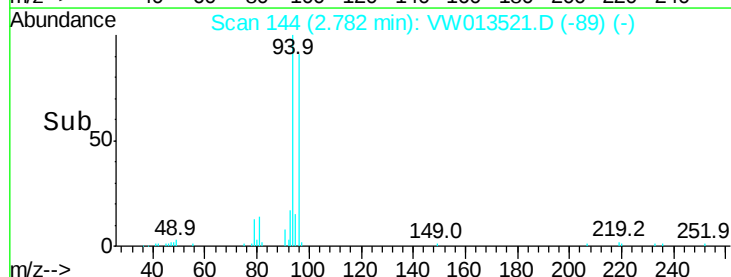
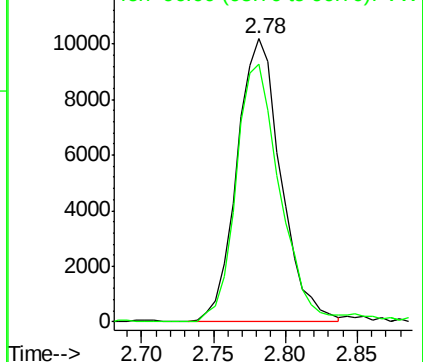
94 100

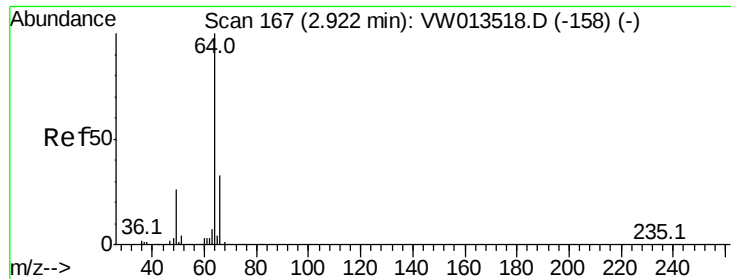
96 89.6 9.5 179.9



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 5.141 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013521.D

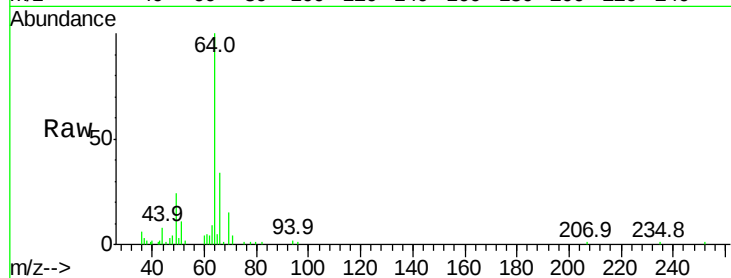
Acq: 10 Oct 2019 15:37

Tgt Ion: 64 Resp: 18796

Ion Ratio Lower Upper

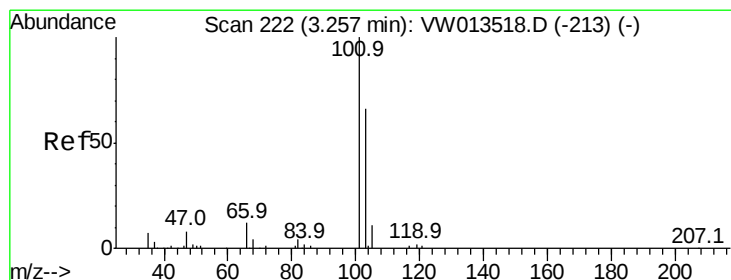
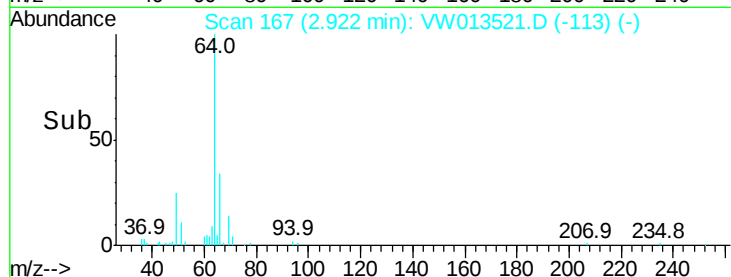
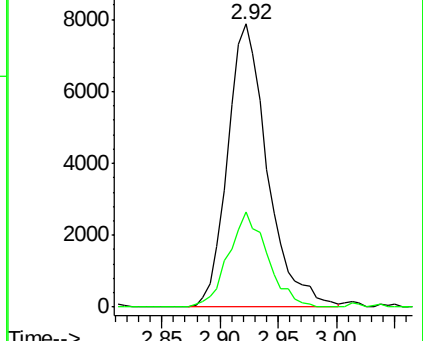
64 100

66 33.9 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 5.012 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW013521.D

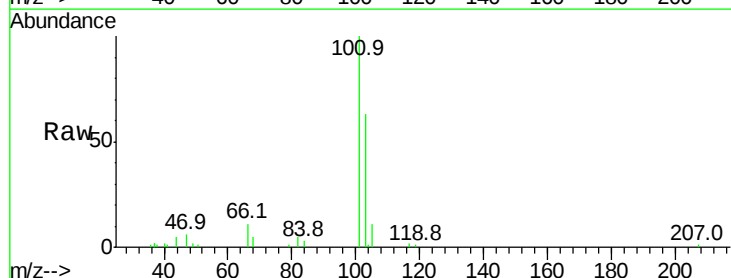
Acq: 10 Oct 2019 15:37

Tgt Ion: 101 Resp: 16816

Ion Ratio Lower Upper

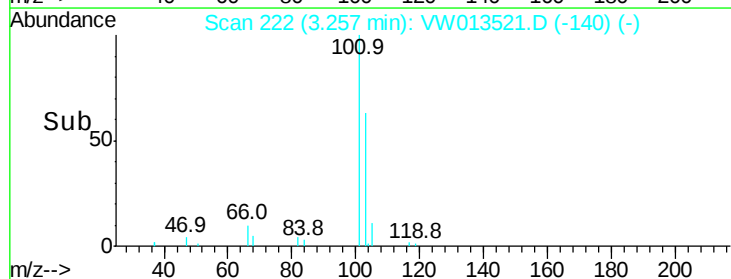
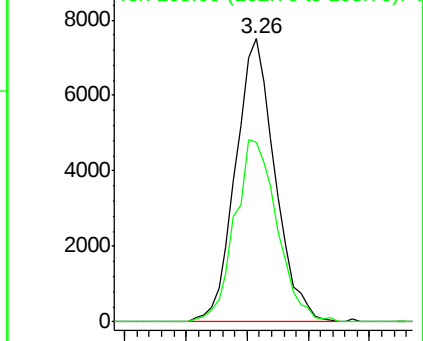
101 100

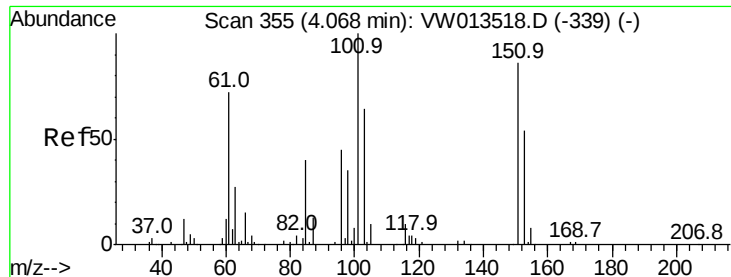
103 68.5 46.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 5.152 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013521.D

Acq: 10 Oct 2019 15:37

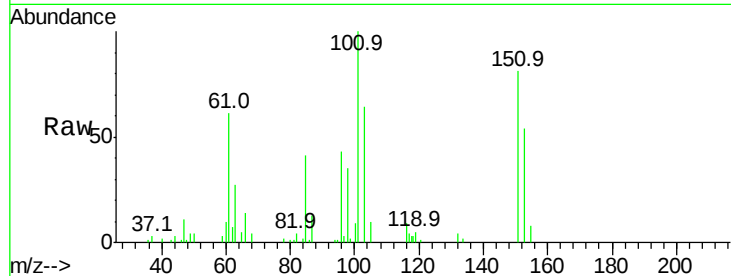
Tgt Ion: 101 Resp: 30976

Ion Ratio Lower Upper

101 100

85 38.6 32.0 48.0

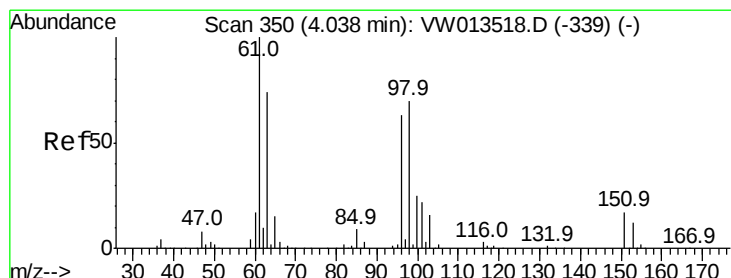
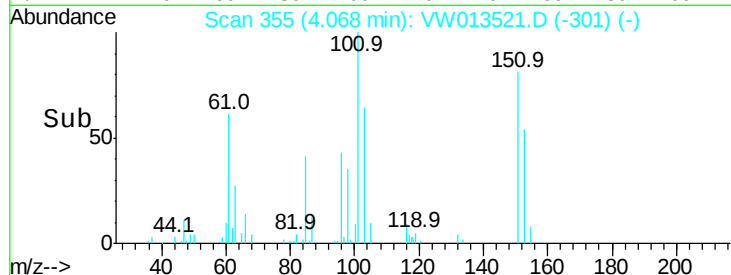
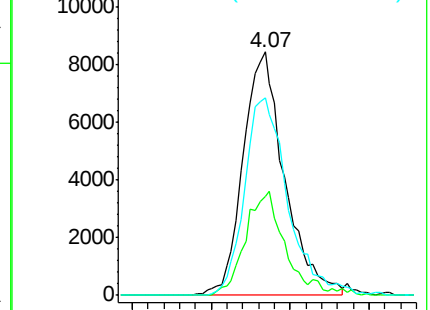
151 81.4 67.0 100.6



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: 5.131 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW013521.D

Acq: 10 Oct 2019 15:37

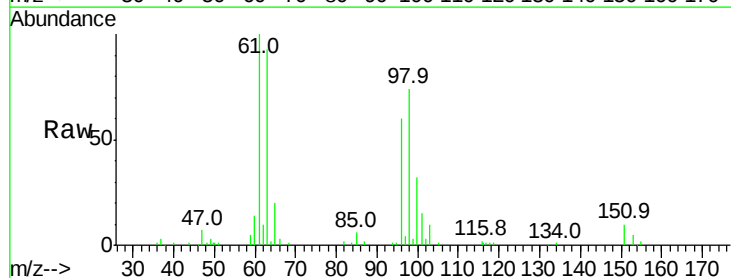
Tgt Ion: 96 Resp: 31251

Ion Ratio Lower Upper

96 100

61 165.3 111.0 206.2

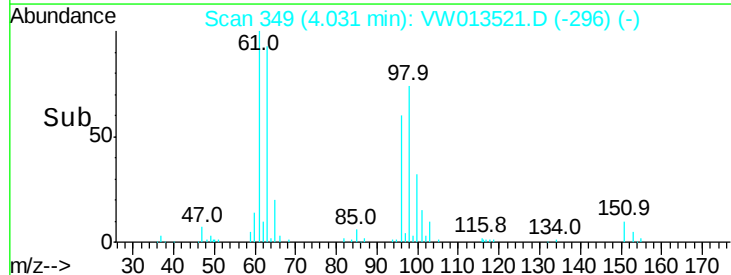
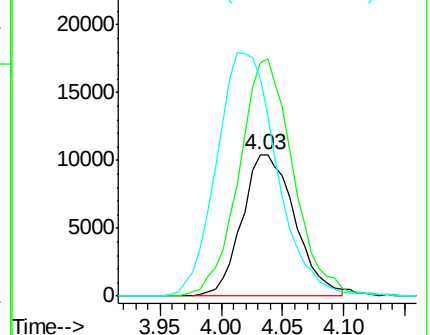
63 154.5 86.3 160.3

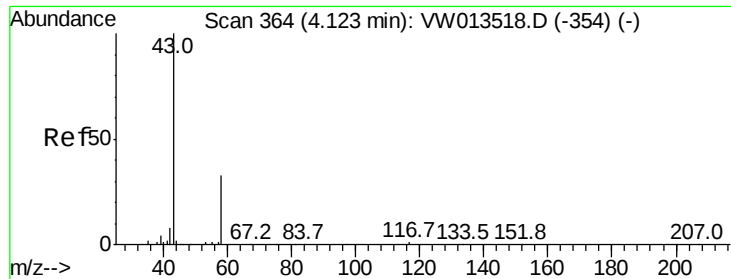


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 13.366 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW013521.D

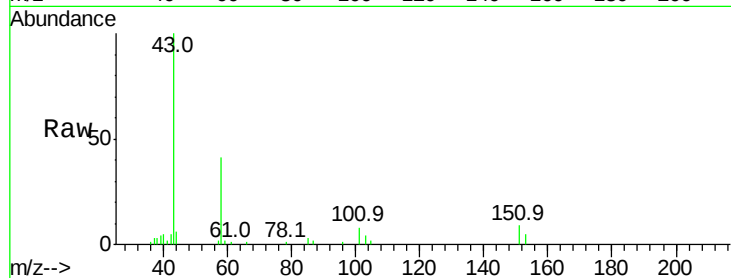
Acq: 10 Oct 2019 15:37

Tgt Ion: 43 Resp: 24183

Ion Ratio Lower Upper

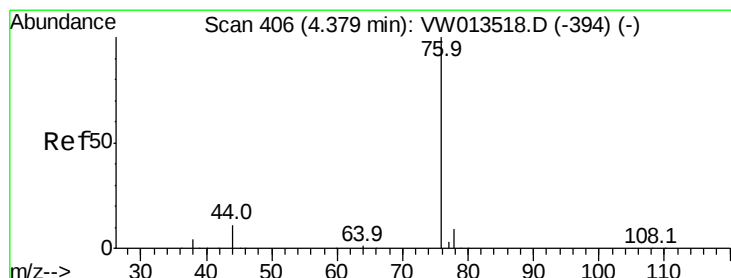
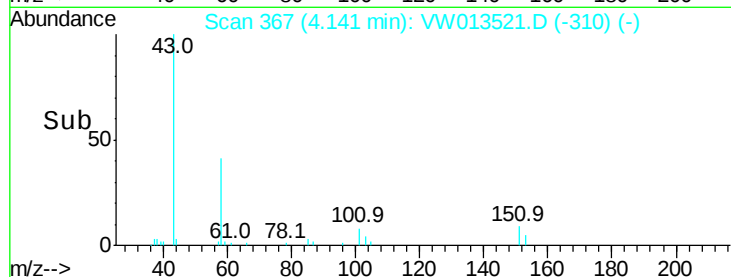
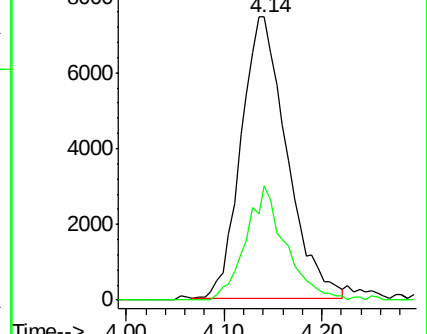
43 100

58 35.0 0.0 67.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 5.006 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013521.D

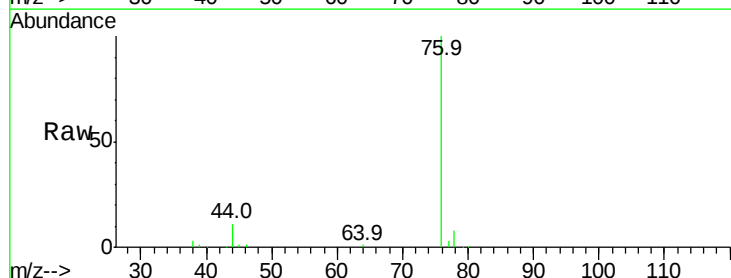
Acq: 10 Oct 2019 15:37

Tgt Ion: 76 Resp: 91882

Ion Ratio Lower Upper

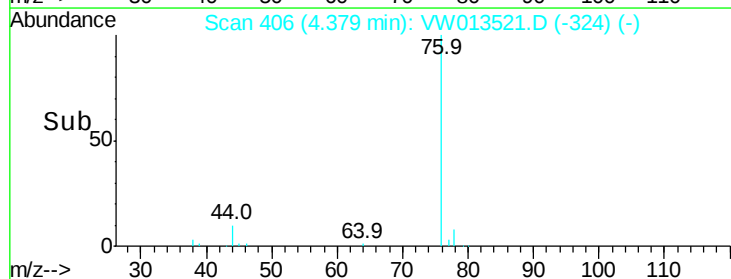
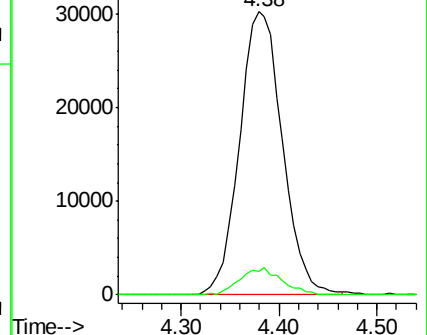
76 100

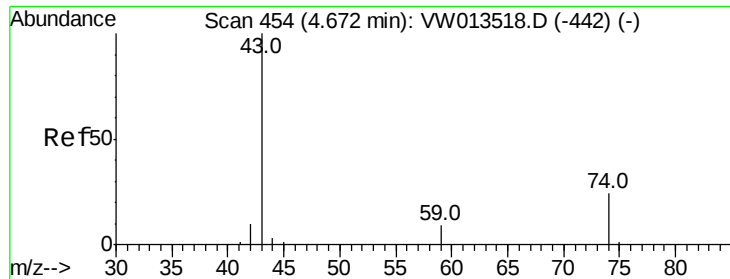
78 8.4 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

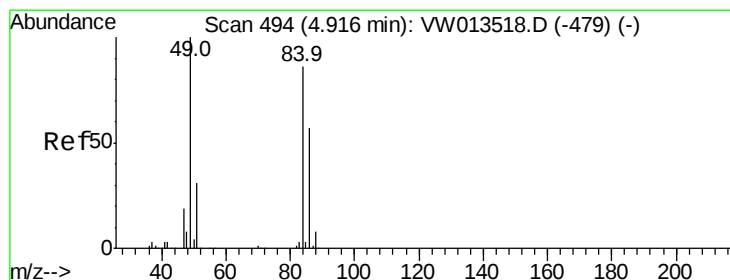
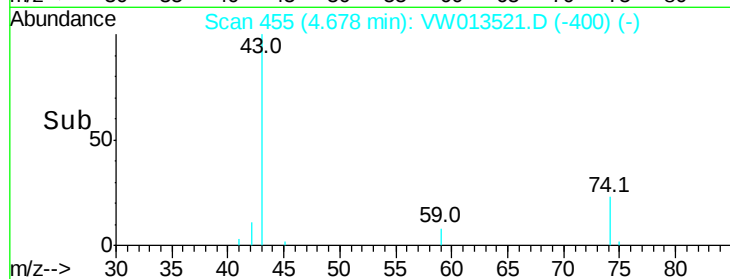
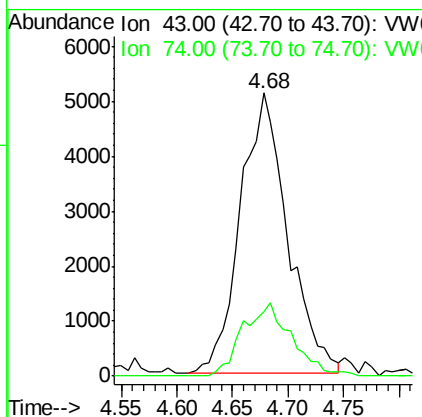
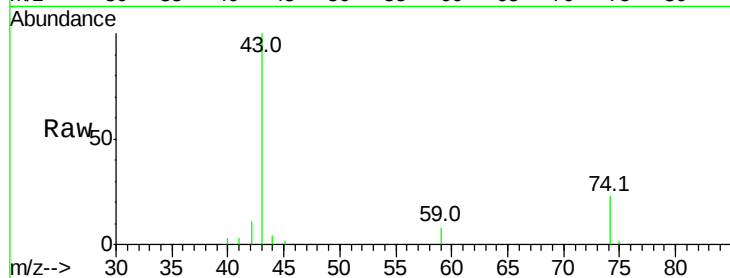
Ion 78.00 (77.70 to 78.70): VW





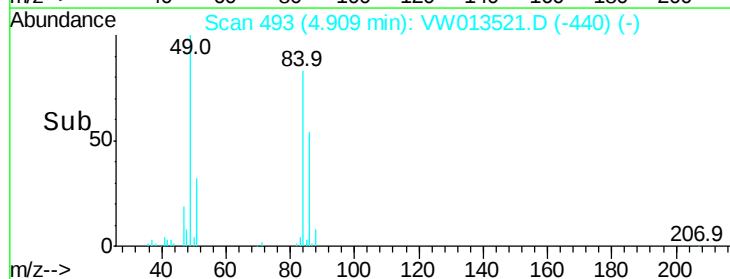
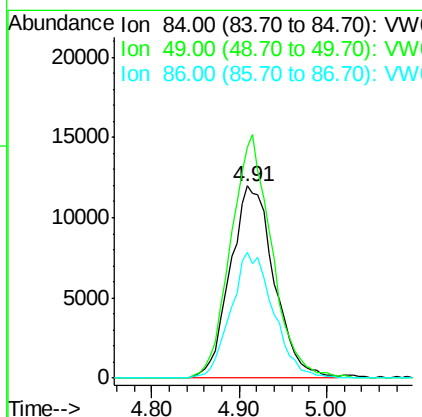
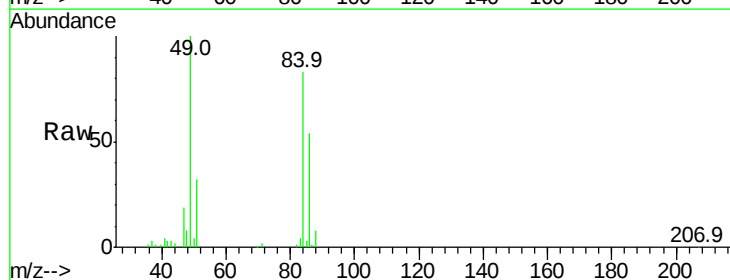
#15
Methyl Acetate
Concen: 4.919 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW013521.D
Acq: 10 Oct 2019 15:37

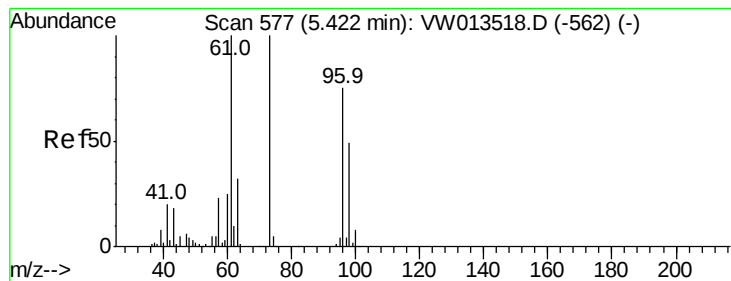
Tgt Ion: 43 Resp: 15053
Ion Ratio Lower Upper
43 100
74 17.5 18.7 28.1#



#16
Methylene chloride
Concen: 6.075 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW013521.D
Acq: 10 Oct 2019 15:37

Tgt Ion: 84 Resp: 41857
Ion Ratio Lower Upper
84 100
49 120.1 81.3 151.1
86 65.2 46.3 86.1





#17

Methyl tert-butyl Ether

Concen: 5.043 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013521.D

Acq: 10 Oct 2019 15:37

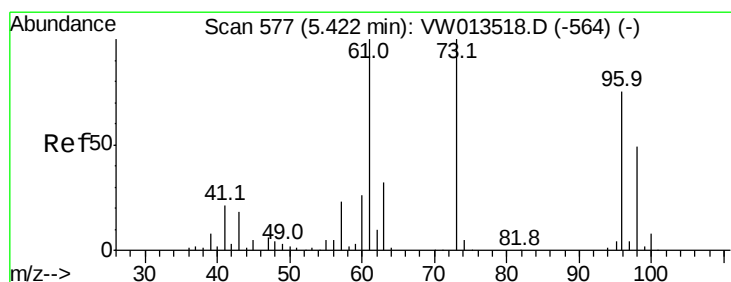
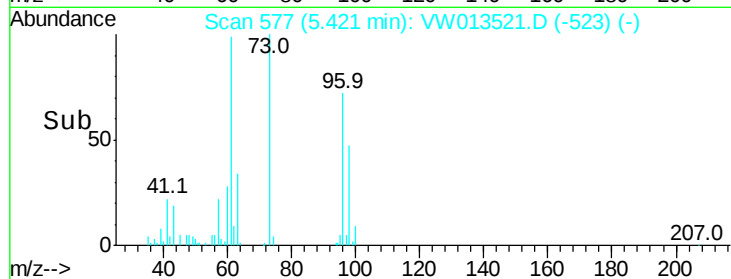
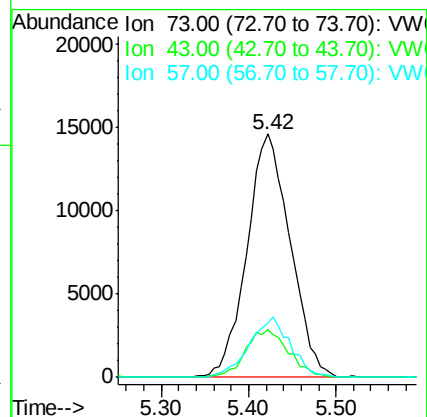
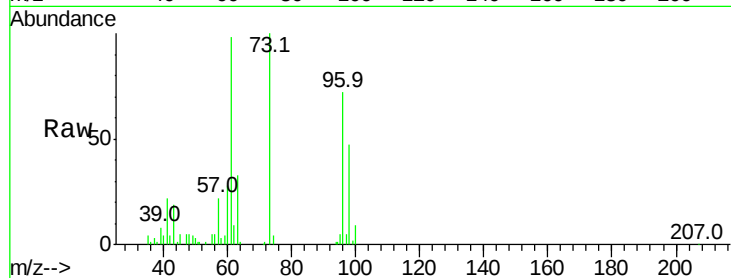
Tgt Ion: 73 Resp: 50104

Ion Ratio Lower Upper

73 100

43 19.3 15.0 22.4

57 23.6 18.1 27.1



#18

trans-1,2-Dichloroethene

Concen: 5.035 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013521.D

Acq: 10 Oct 2019 15:37

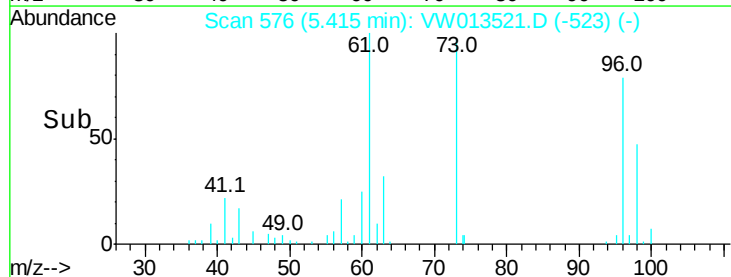
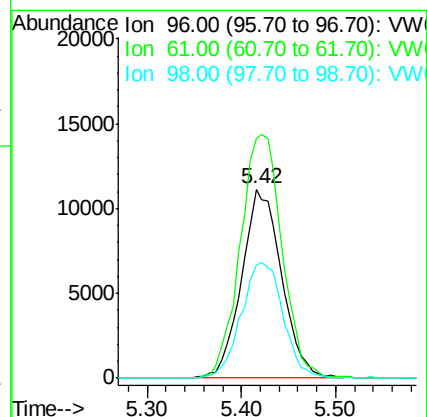
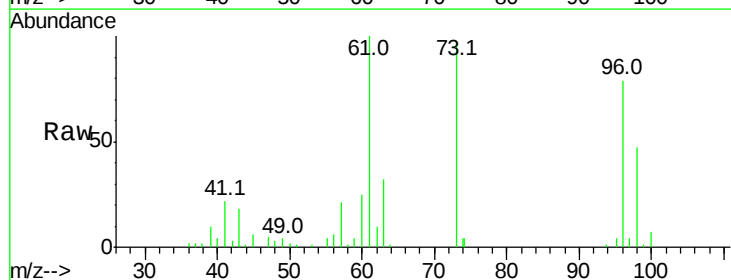
Tgt Ion: 96 Resp: 32954

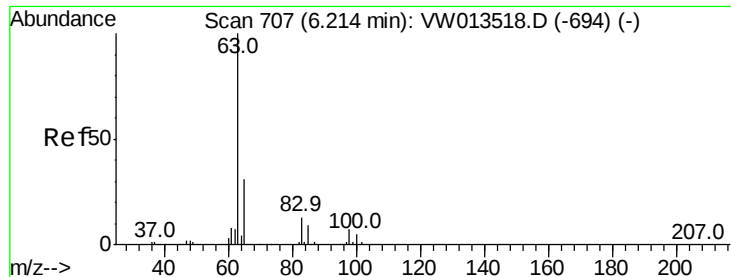
Ion Ratio Lower Upper

96 100

61 126.9 93.7 173.9

98 59.9 46.1 85.7





#19

1,1-Dichloroethane

Concen: 5.088 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013521.D

Acq: 10 Oct 2019 15:37

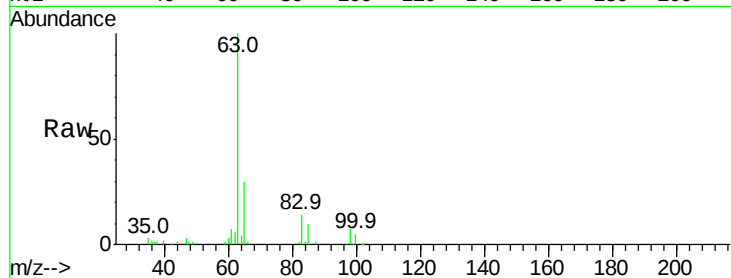
Tgt Ion: 63 Resp: 55844

Ion Ratio Lower Upper

63 100

65 30.3 21.6 40.0

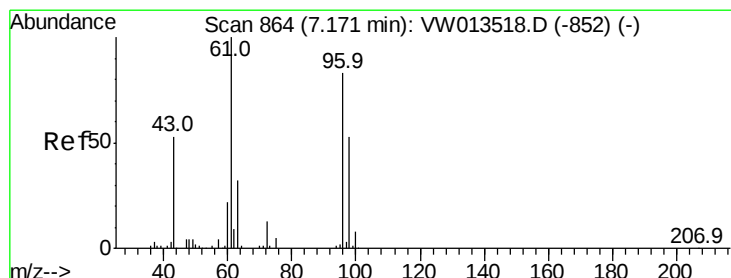
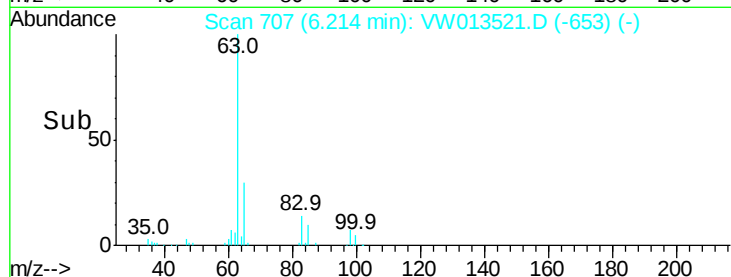
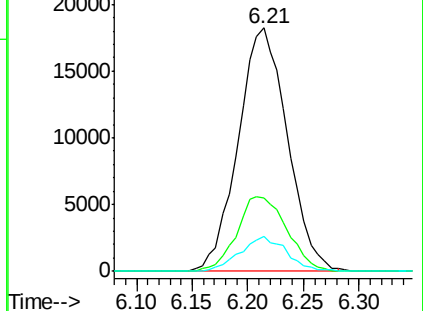
83 14.2 9.0 16.6



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 11.384 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013521.D

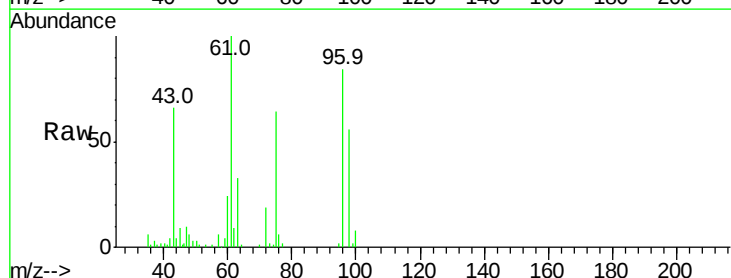
Acq: 10 Oct 2019 15:37

Tgt Ion: 43 Resp: 26536

Ion Ratio Lower Upper

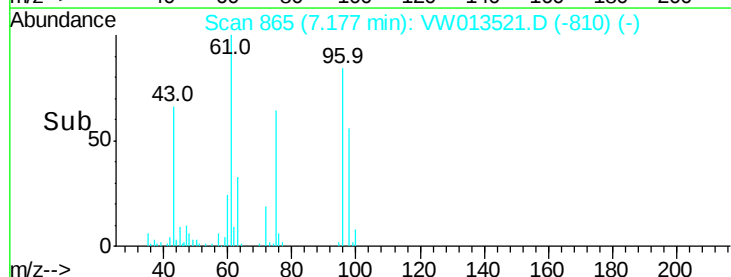
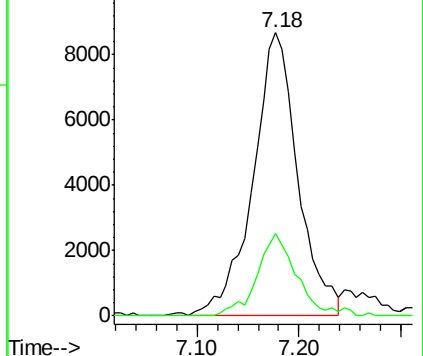
43 100

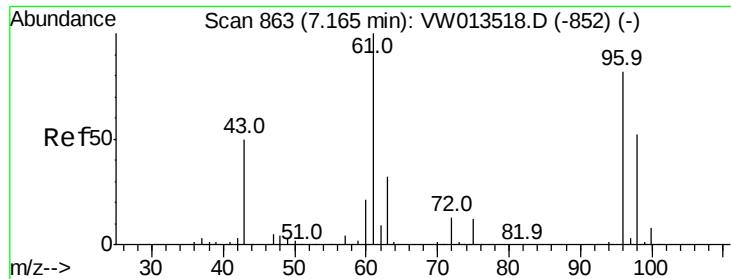
72 22.7 13.5 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

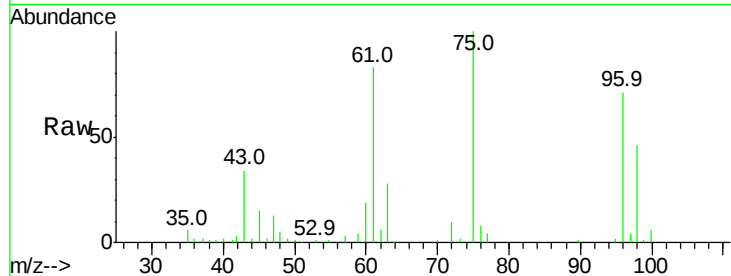




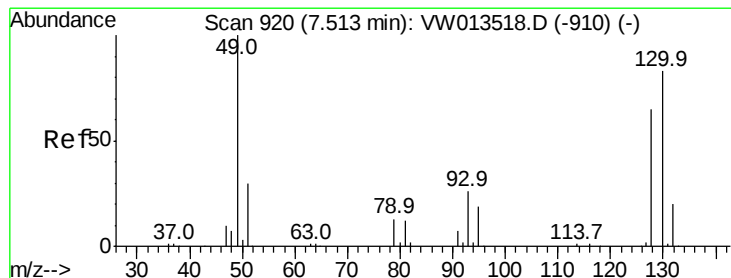
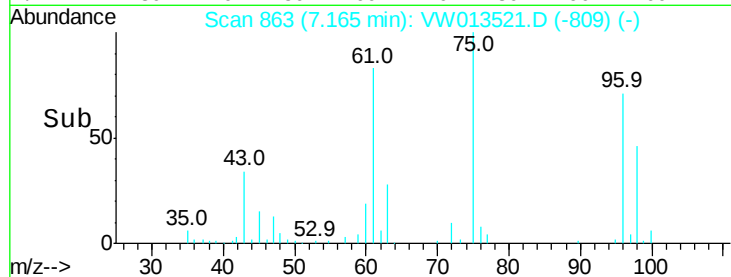
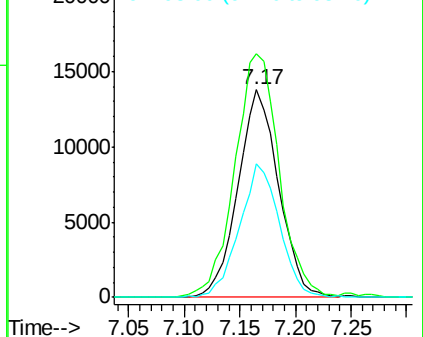
#22

cis-1,2-Dichloroethene
Concen: 5.010 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013521.D
Acq: 10 Oct 2019 15:37

Tgt Ion: 96 Resp: 34945
Ion Ratio Lower Upper
96 100
61 117.4 86.0 159.8
98 64.7 44.4 82.5



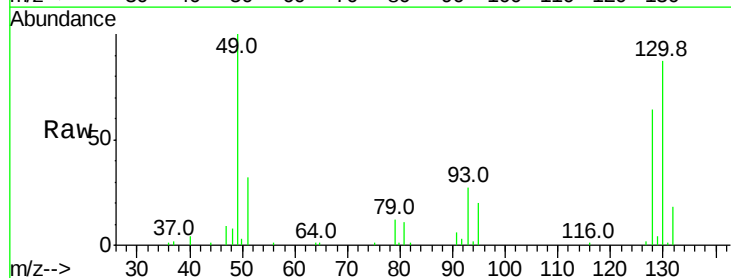
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



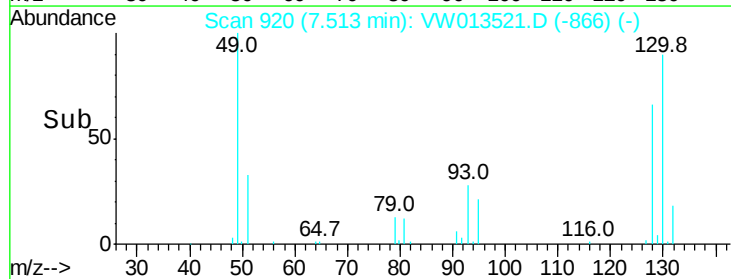
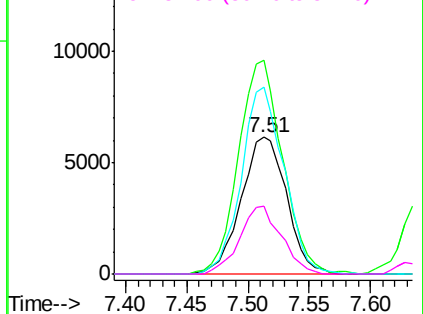
#23

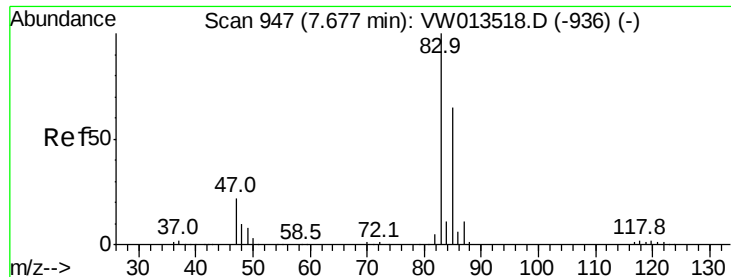
Bromochloromethane
Concen: 5.023 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW013521.D
Acq: 10 Oct 2019 15:37

Tgt Ion: 128 Resp: 15835
Ion Ratio Lower Upper
128 100
49 156.6 108.0 200.6
130 136.7 89.4 166.0
51 49.4 37.4 56.2



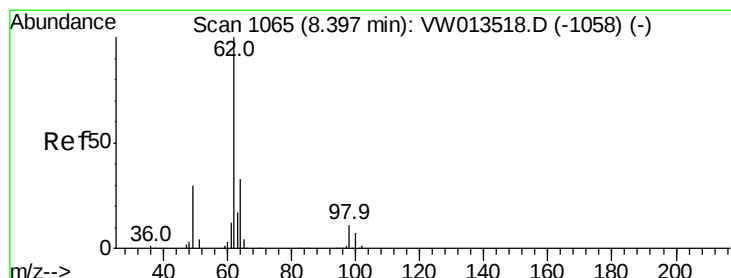
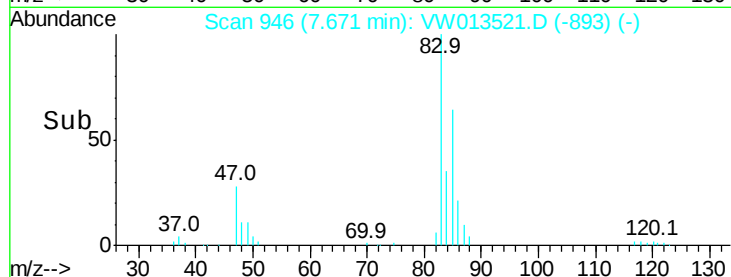
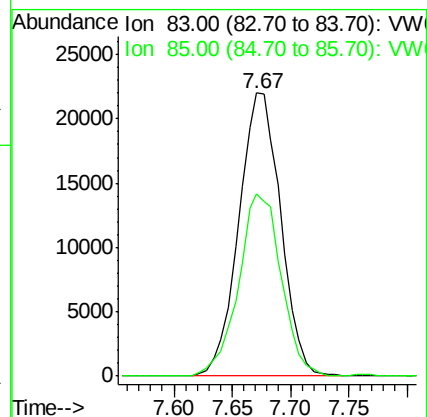
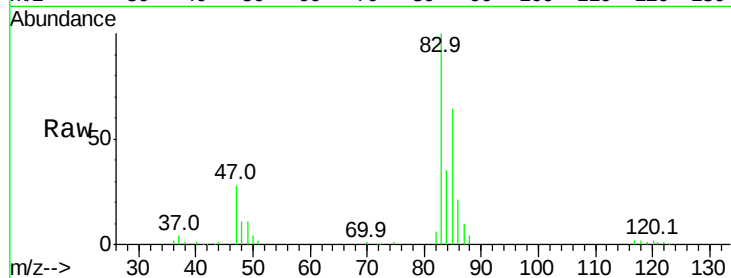
Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW





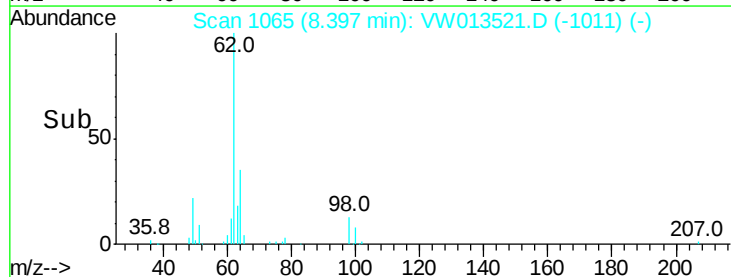
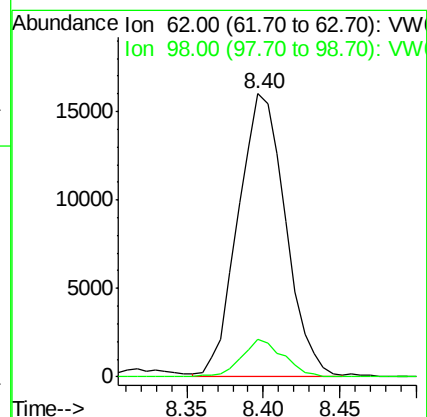
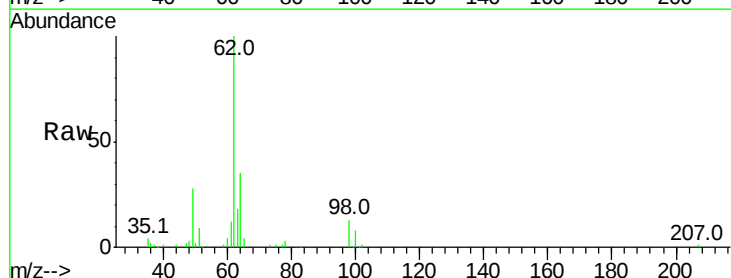
#25
Chloroform
Concen: 5.078 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013521.D
Acq: 10 Oct 2019 15:37

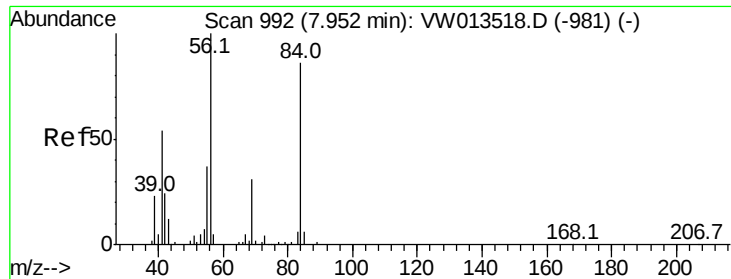
Tgt Ion: 83 Resp: 55140
Ion Ratio Lower Upper
83 100
85 65.6 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.003 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013521.D
Acq: 10 Oct 2019 15:37

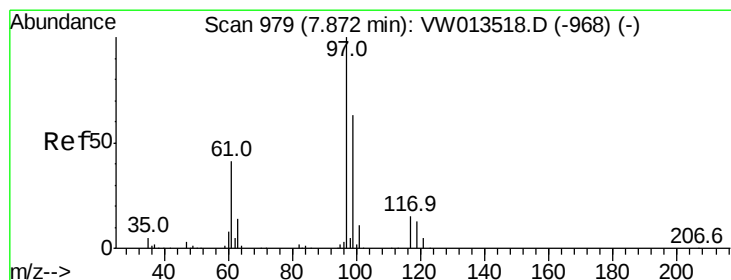
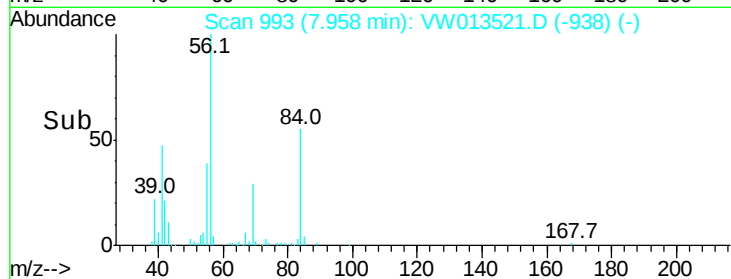
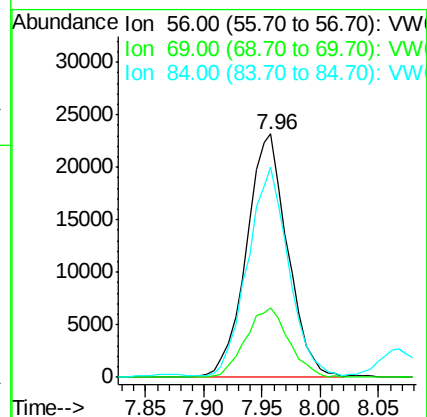
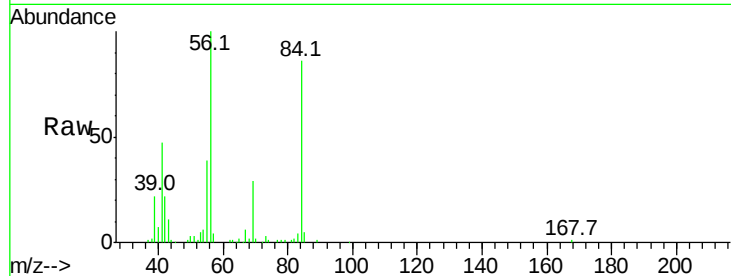
Tgt Ion: 62 Resp: 34580
Ion Ratio Lower Upper
62 100
98 13.3 9.0 13.4





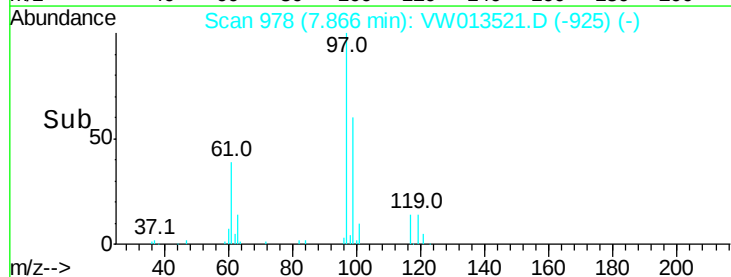
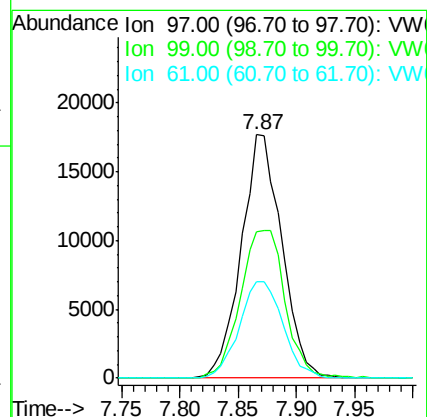
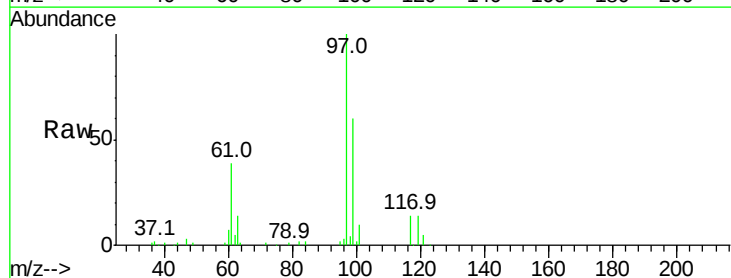
#30
Cyclohexane
Concen: 5.114 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW013521.D
Acq: 10 Oct 2019 15:37

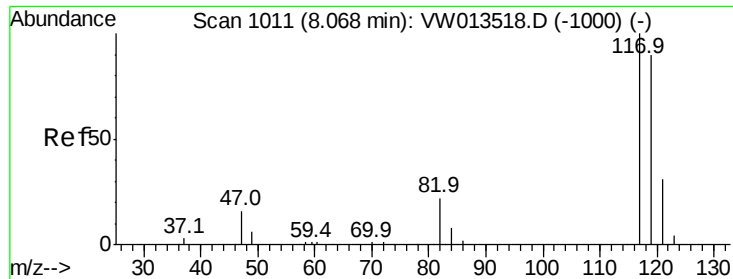
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.9	24.7	37.1
84	86.6	70.4	105.6



#31
1,1,1-Trichloroethane
Concen: 4.945 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW013521.D
Acq: 10 Oct 2019 15:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.5	51.8	77.8
61	42.7	33.7	50.5





#32

Carbon tetrachloride

Concen: 5.026 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013521.D

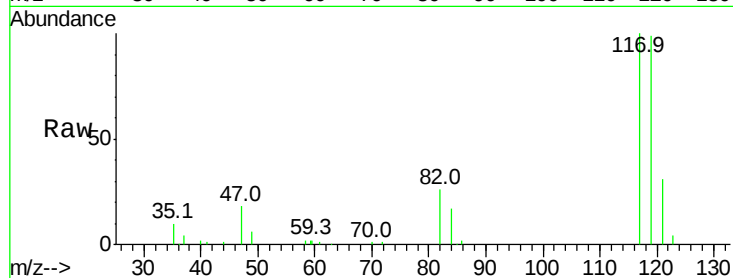
Acq: 10 Oct 2019 15:37

Tgt Ion: 117 Resp: 41298

Ion Ratio Lower Upper

117 100

119 94.9 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

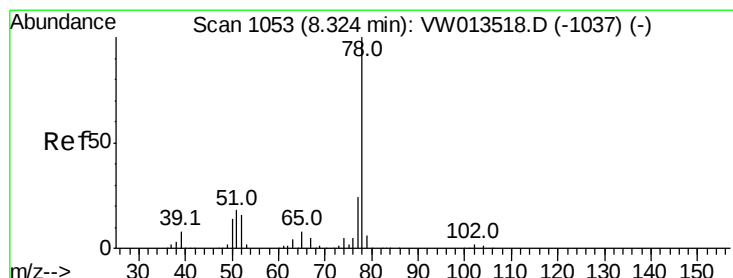
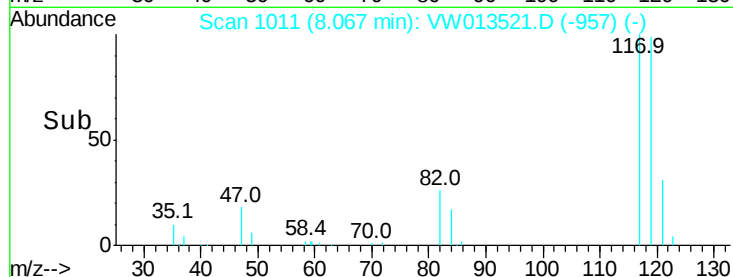
15000

10000

5000

0

Time--> 7.95 8.00 8.05 8.10 8.15



#34

Benzene

Concen: 5.093 ug/L

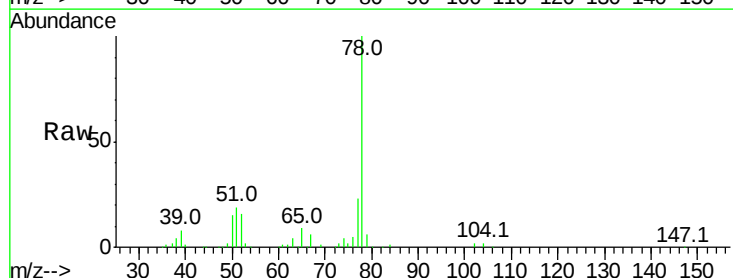
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW013521.D

Acq: 10 Oct 2019 15:37

Tgt Ion: 78 Resp: 131650



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

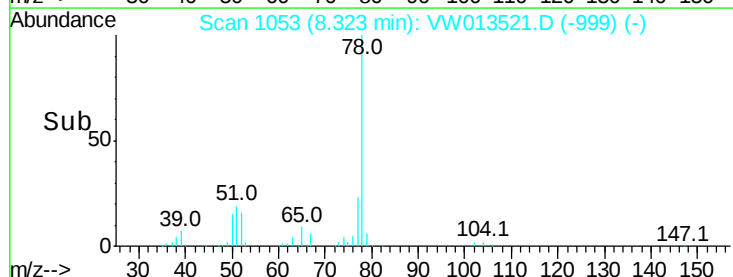
60000

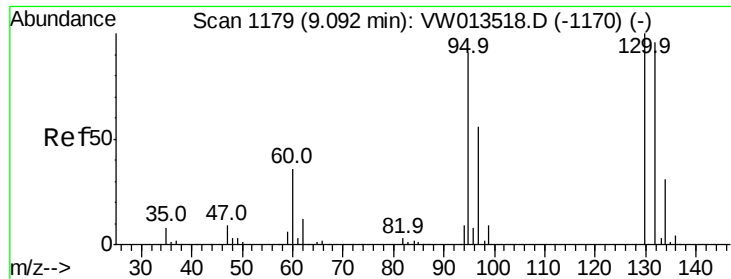
40000

20000

0

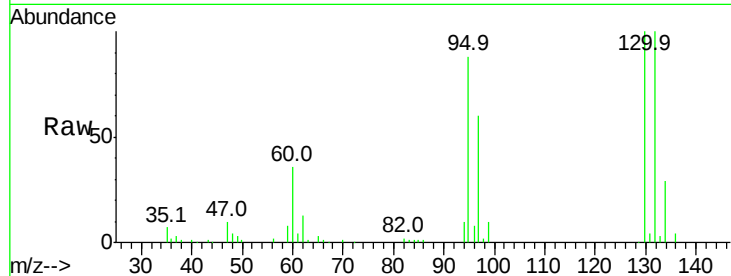
Time--> 8.20 8.30 8.40



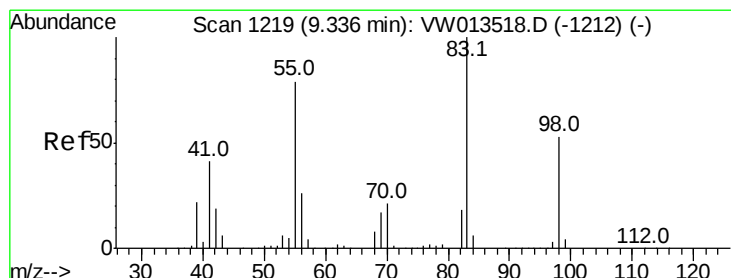
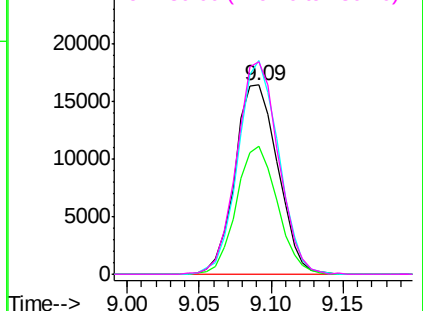
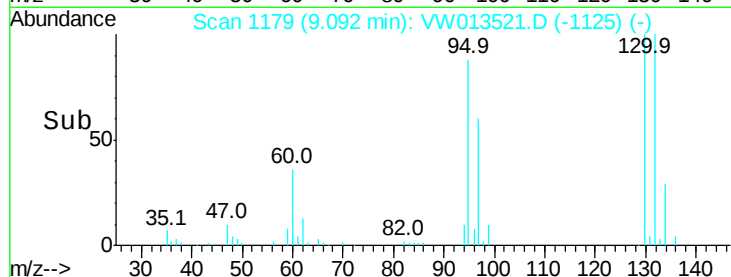


#35
 Trichloroethene
 Concen: 5.026 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013521.D
 Acq: 10 Oct 2019 15:37

Tgt Ion:	95	Resp:	33930
Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.1	83.7
132	107.1	73.6	136.8
130	109.6	76.3	141.7

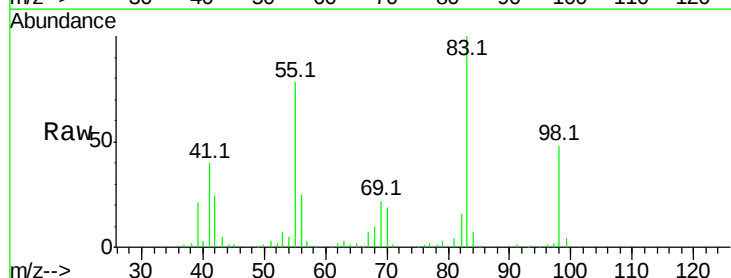


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

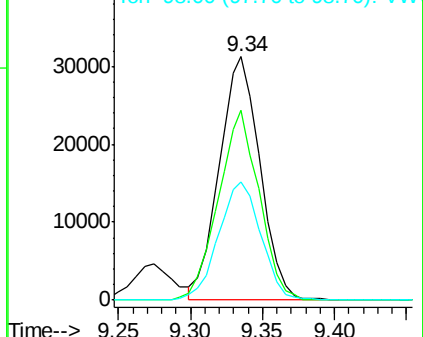
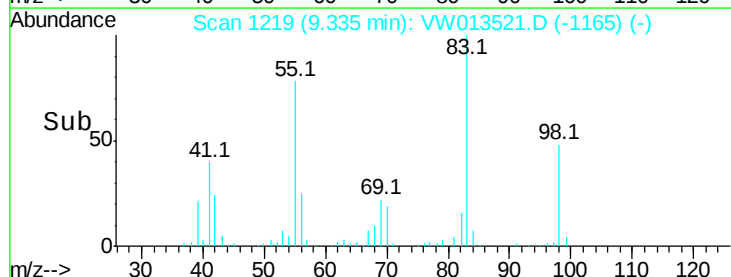


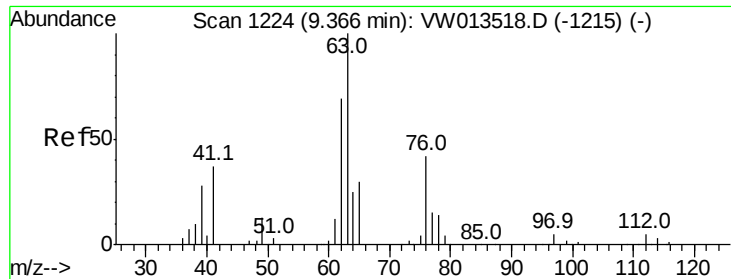
#36
 Methylcyclohexane
 Concen: 5.047 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013521.D
 Acq: 10 Oct 2019 15:37

Tgt Ion:	83	Resp:	61616
Ion	Ratio	Lower	Upper
83	100		
55	77.7	60.4	90.6
98	50.6	39.3	58.9



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





#40

1,2-Dichloropropane

Concen: 4.992 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013521.D

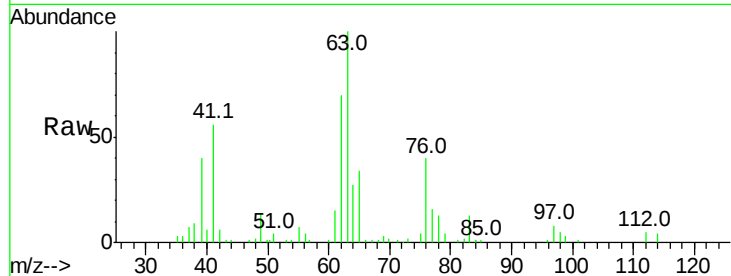
Acq: 10 Oct 2019 15:37

Tgt Ion: 63 Resp: 31415

Ion Ratio Lower Upper

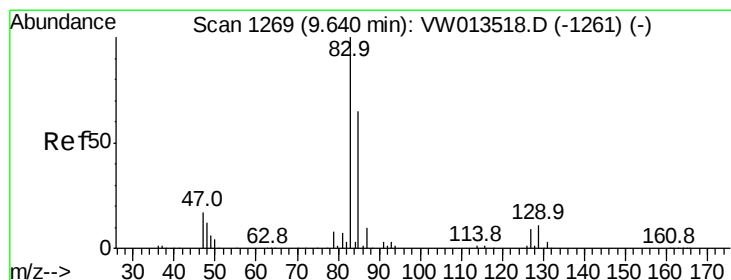
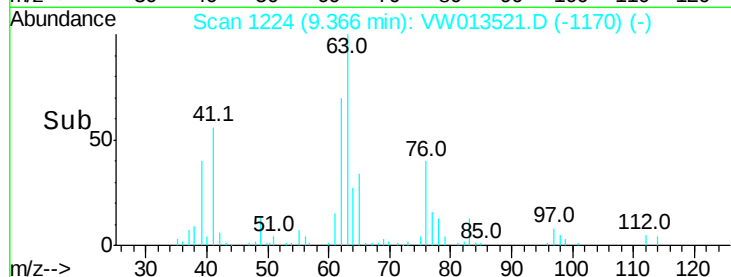
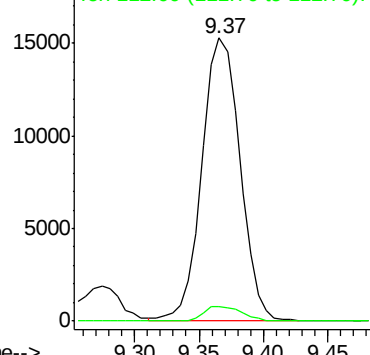
63 100

112 5.1 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 4.872 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013521.D

Acq: 10 Oct 2019 15:37

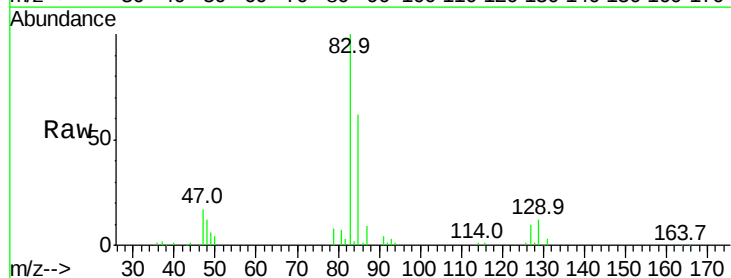
Tgt Ion: 83 Resp: 37626

Ion Ratio Lower Upper

83 100

85 61.9 45.1 83.9

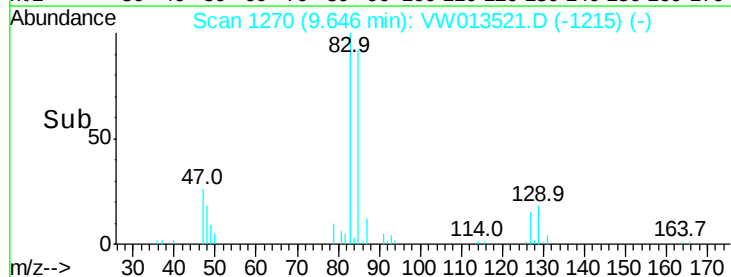
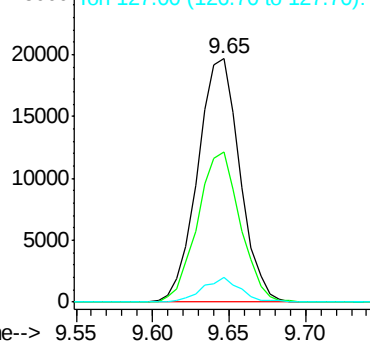
127 10.1 7.1 10.7

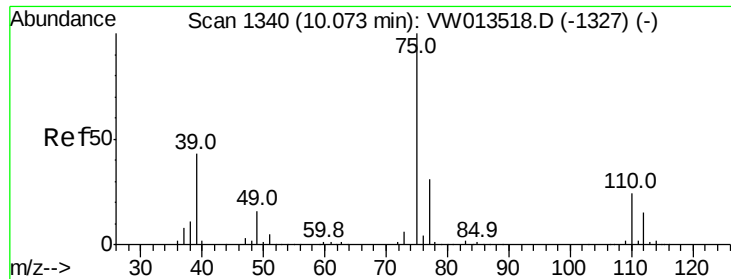


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

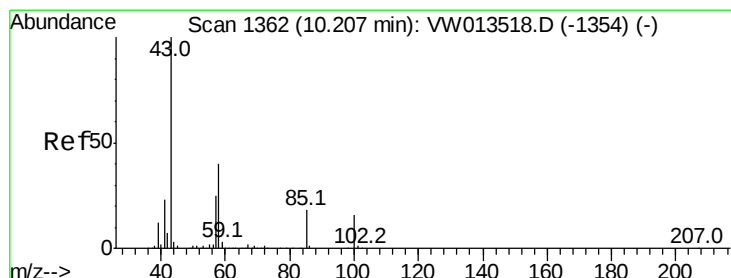
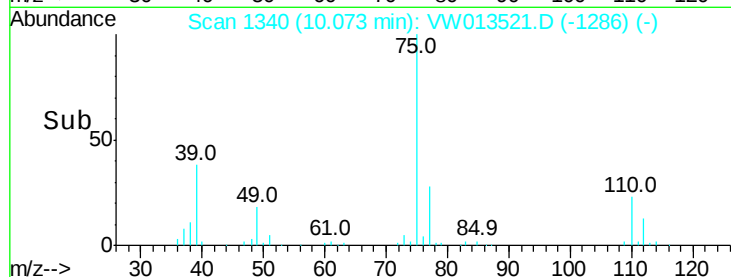
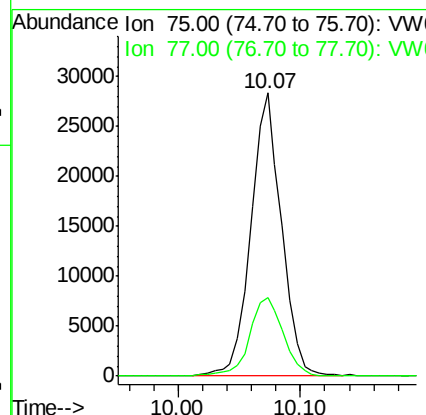
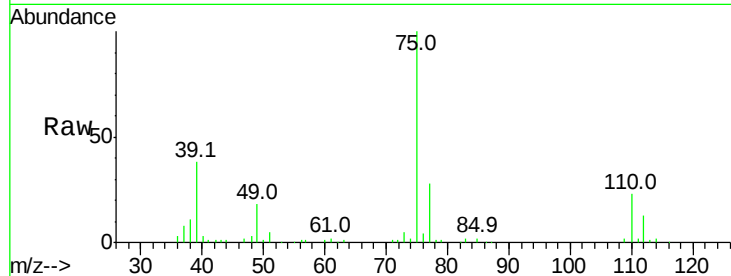
Ion 127.00 (126.70 to 127.70): V





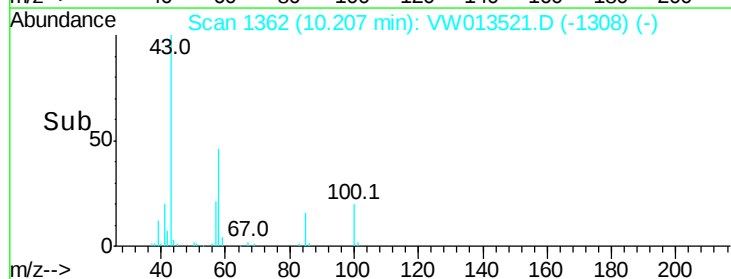
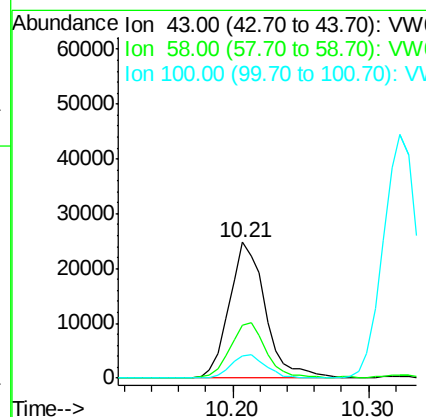
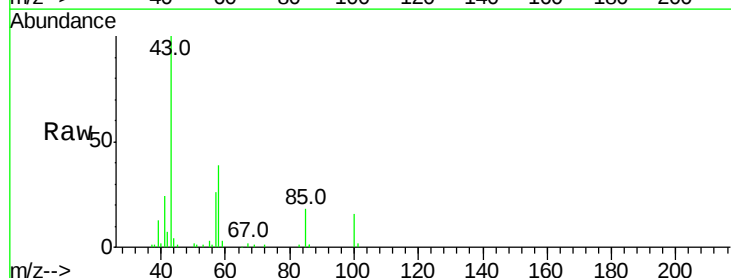
#42
 cis-1,3-Dichloropropene
 Concen: 4.915 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013521.D
 Acq: 10 Oct 2019 15:37

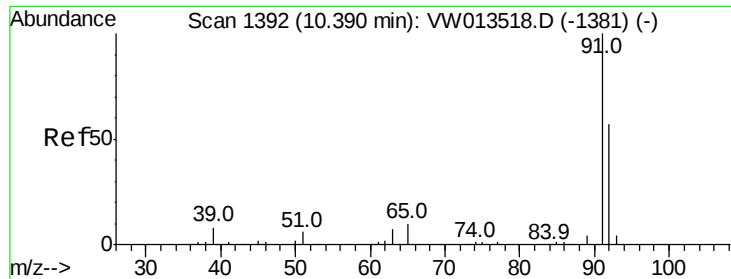
Tgt Ion: 75 Resp: 49448
 Ion Ratio Lower Upper
 75 100
 77 27.9 21.6 40.2



#43
 4-Methyl-2-pentanone
 Concen: 10.129 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013521.D
 Acq: 10 Oct 2019 15:37

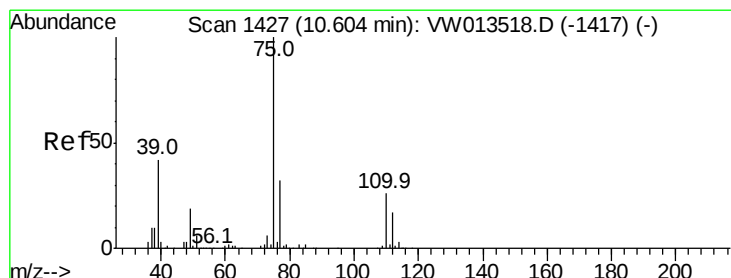
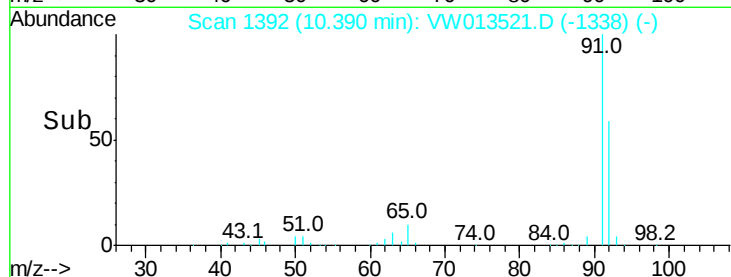
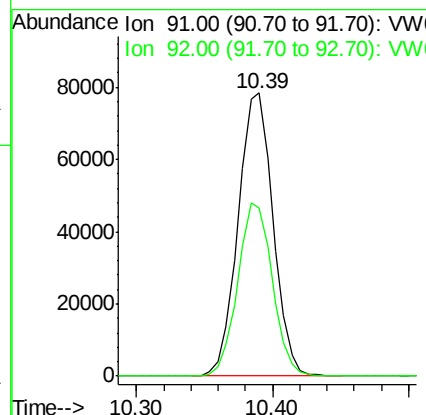
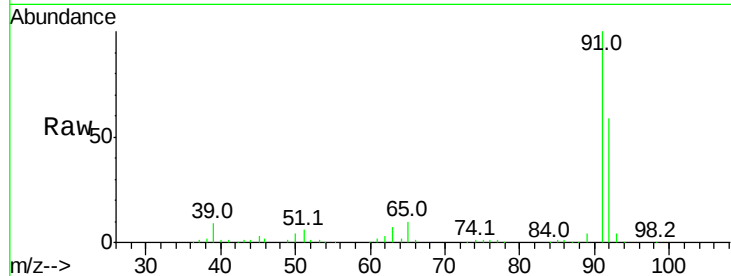
Tgt Ion: 43 Resp: 44919
 Ion Ratio Lower Upper
 43 100
 58 41.4 32.0 48.0
 100 16.7 13.7 20.5





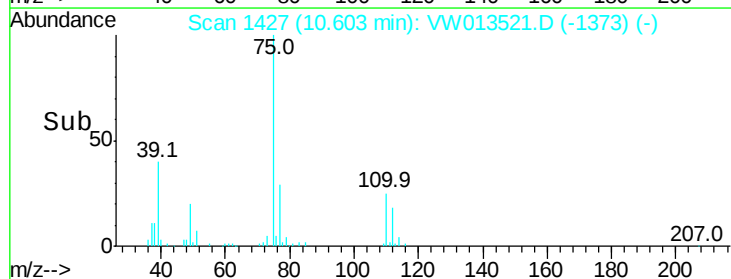
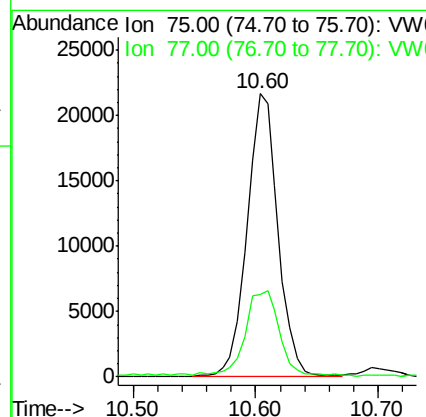
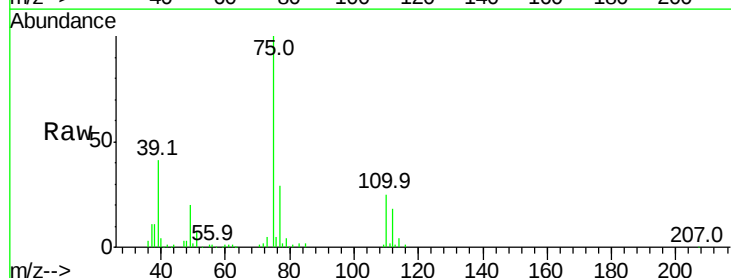
#44
Toluene
Concen: 5.020 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW013521.D
Acq: 10 Oct 2019 15:37

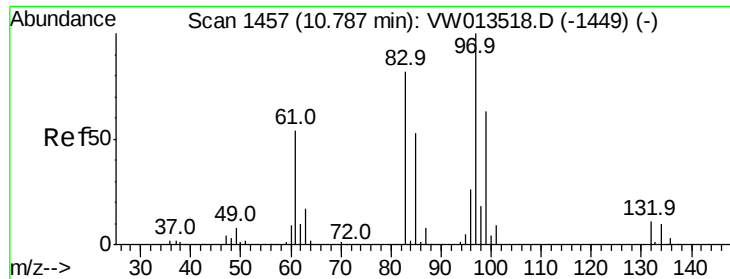
Tgt Ion: 91 Resp: 140504
Ion Ratio Lower Upper
91 100
92 59.5 40.0 74.4



#45
trans-1,3-Dichloropropene
Concen: 4.779 ug/L
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013521.D
Acq: 10 Oct 2019 15:37

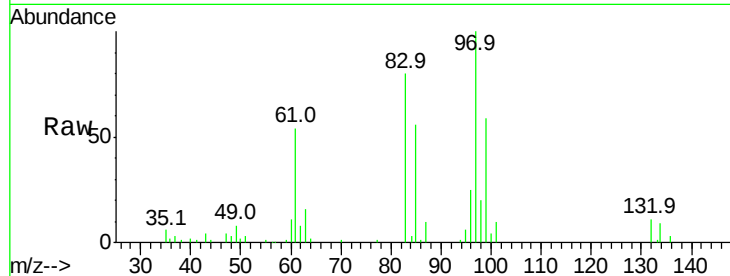
Tgt Ion: 75 Resp: 38033
Ion Ratio Lower Upper
75 100
77 29.0 23.0 42.6



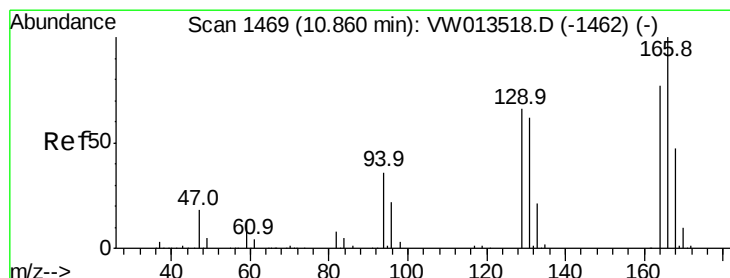
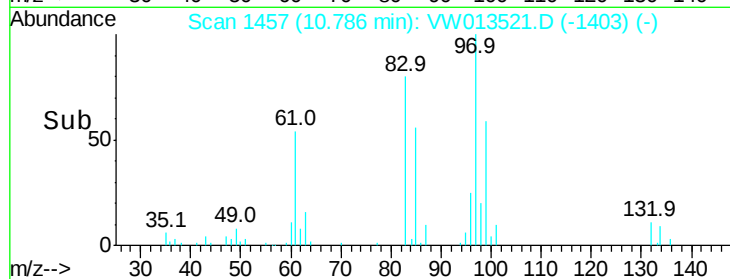
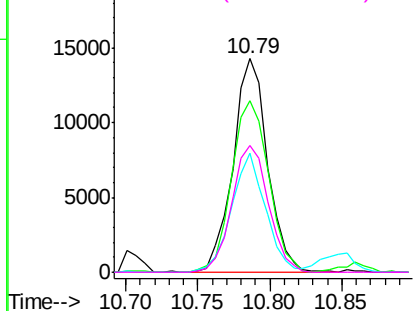


#46
1,1,2-Trichloroethane
Concen: 4.962 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW013521.D
Acq: 10 Oct 2019 15:37

Tgt Ion:	97	Resp:	23822
Ion	Ratio	Lower	Upper
97	100		
83	80.3	57.5	106.9
85	55.8	36.8	68.4
99	59.3	44.0	81.6

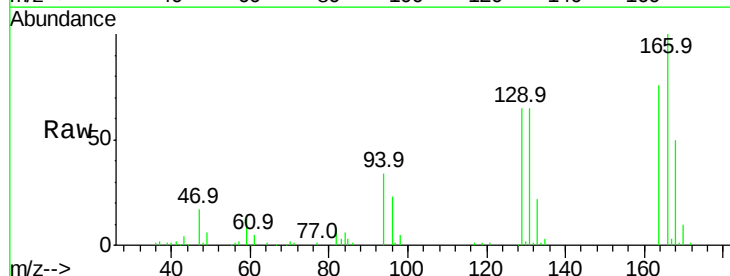


Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 99.00 (98.70 to 99.70): VW

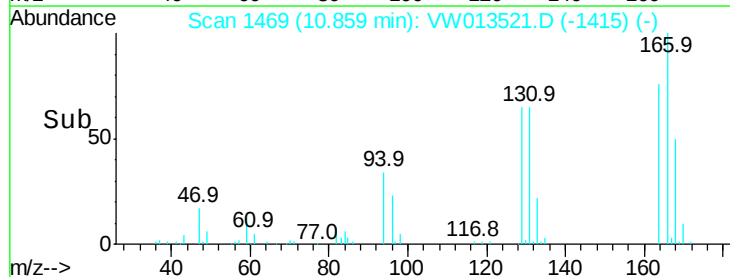
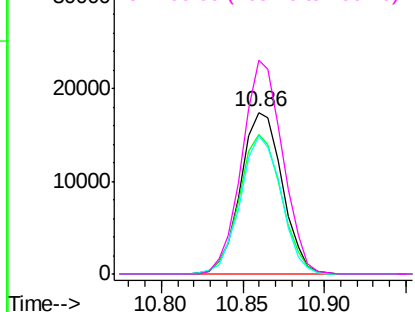


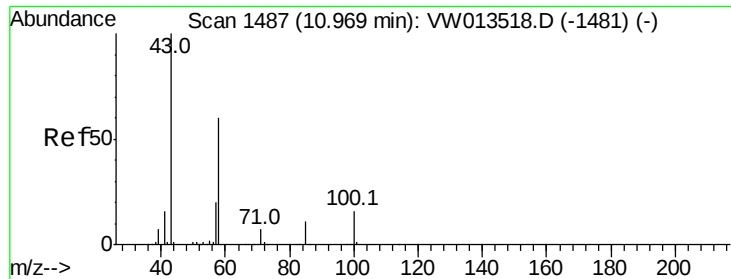
#47
Tetrachloroethene
Concen: 5.053 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013521.D
Acq: 10 Oct 2019 15:37

Tgt Ion:	164	Resp:	31057
Ion	Ratio	Lower	Upper
164	100		
129	86.4	60.2	111.8
131	85.6	57.0	105.9
166	132.4	91.2	169.4



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

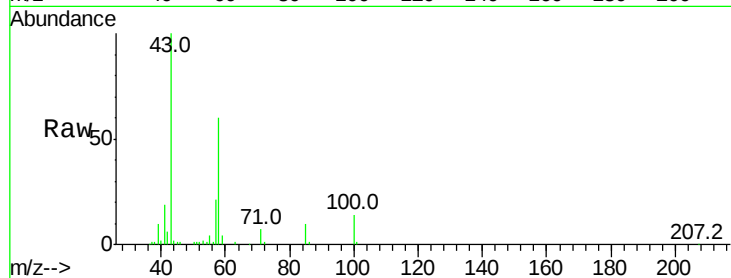




#49
2-Hexanone
Concen: 11.118 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013521.D
Acq: 10 Oct 2019 15:37

Tgt Ion: 43 Resp: 34079

Ion	Ratio	Lower	Upper
43	100		
58	56.6	45.2	67.8
57	19.3	15.8	23.8
100	13.2	11.0	16.6

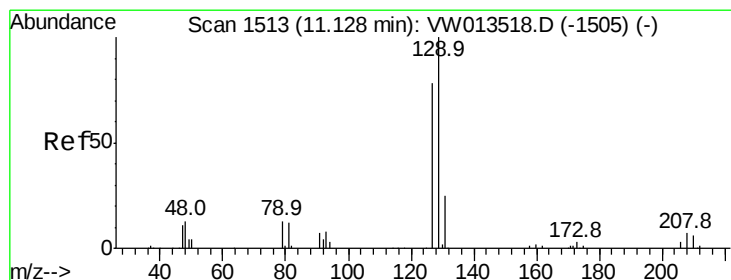
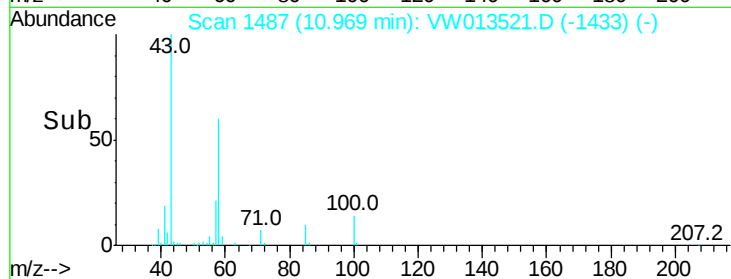
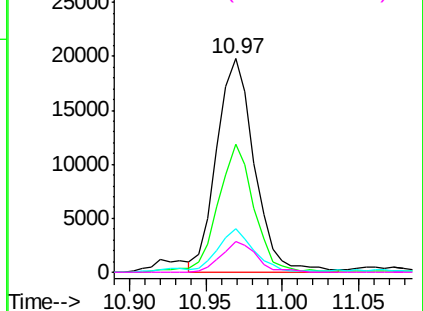


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

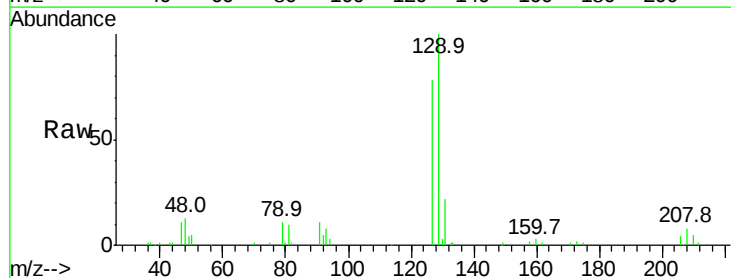
Ion 100.00 (99.70 to 100.70): VW



#50
Dibromochloromethane
Concen: 4.804 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013521.D
Acq: 10 Oct 2019 15:37

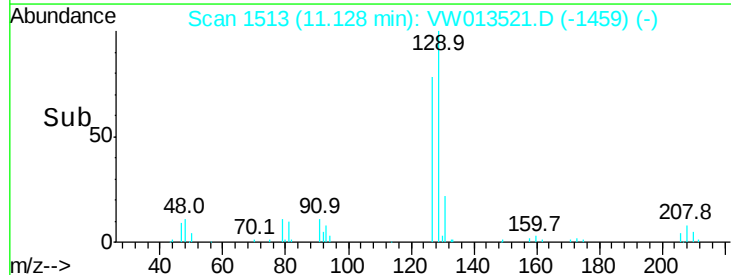
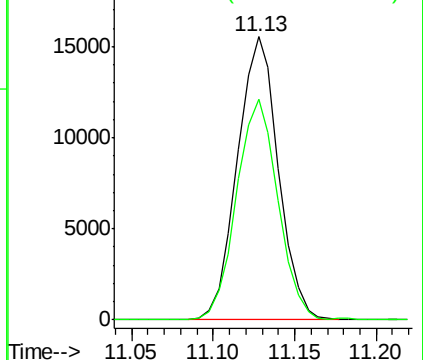
Tgt Ion: 129 Resp: 27176

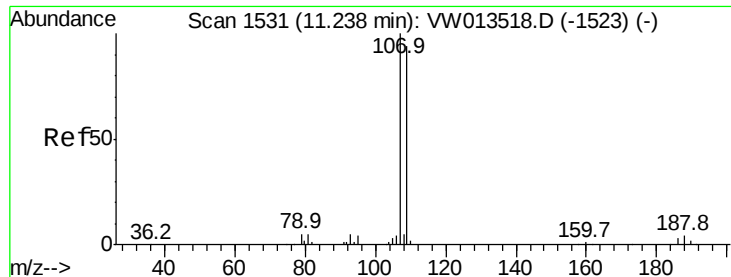
Ion	Ratio	Lower	Upper
129	100		
127	77.9	54.7	101.5



Abundance Ion 129.00 (128.70 to 129.70): V

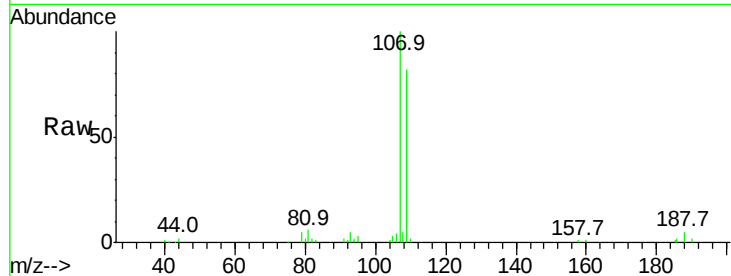
Ion 127.00 (126.70 to 127.70): V



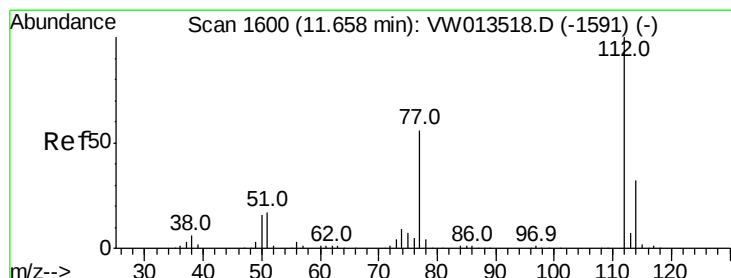
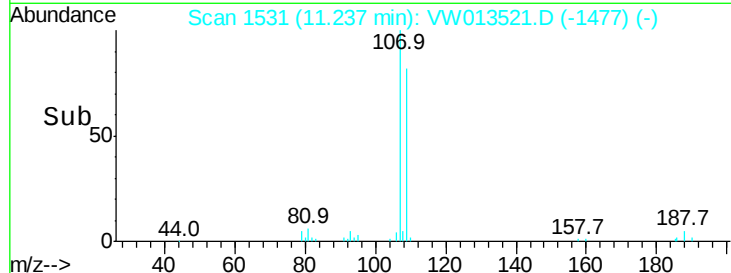
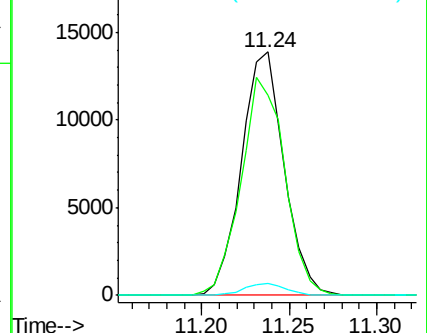


#51
1,2-Dibromoethane
Concen: 5.052 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW013521.D
Acq: 10 Oct 2019 15:37

Tgt Ion:107 Resp: 23624
Ion Ratio Lower Upper
107 100
109 82.1 65.5 121.7
188 4.9 3.6 5.4

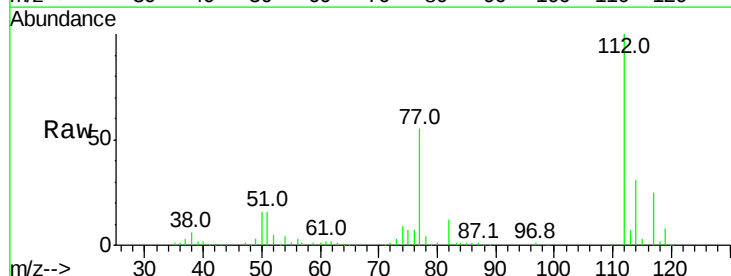


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

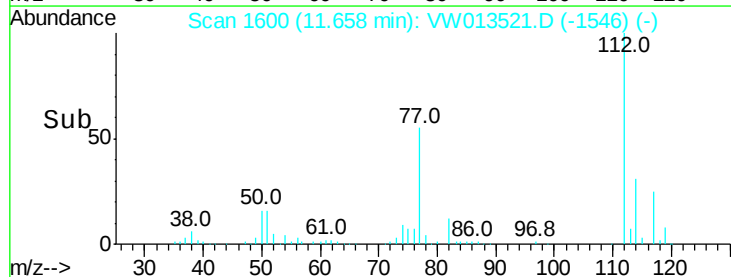
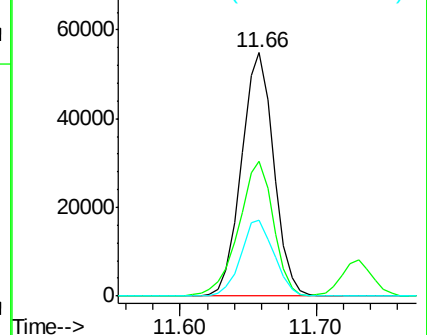


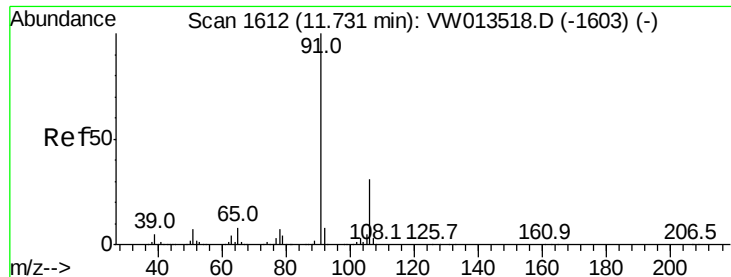
#52
Chlorobenzene
Concen: 5.153 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013521.D
Acq: 10 Oct 2019 15:37

Tgt Ion:112 Resp: 91074
Ion Ratio Lower Upper
112 100
77 55.4 44.5 66.7
114 31.0 22.7 42.3



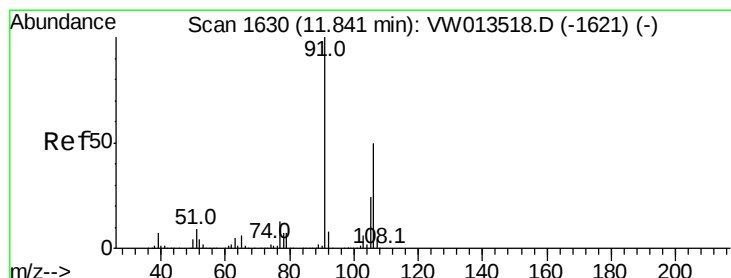
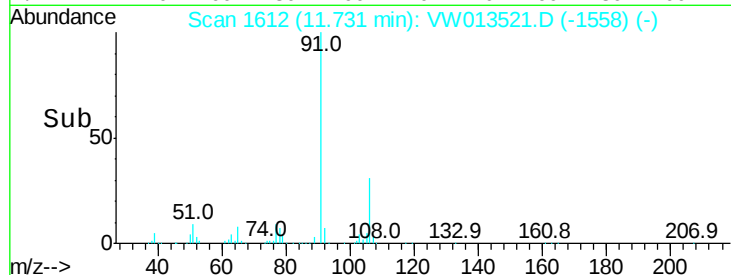
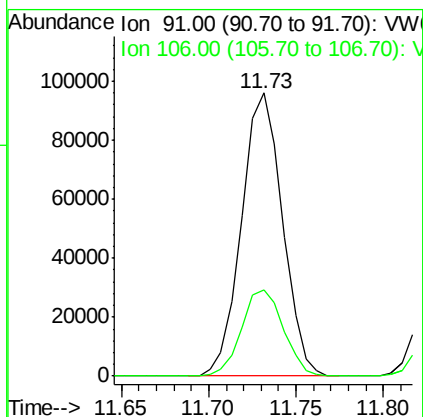
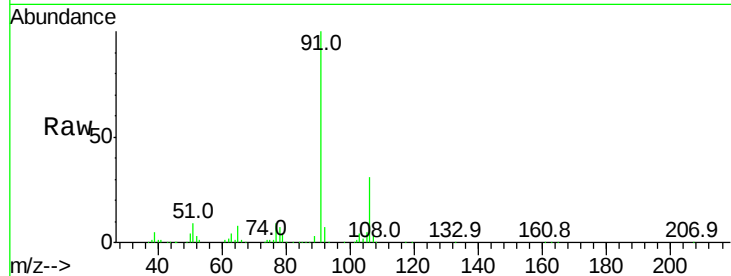
Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





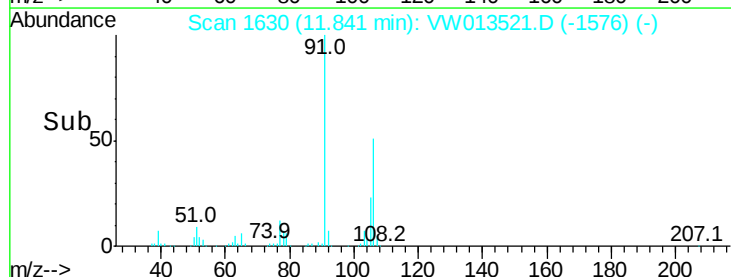
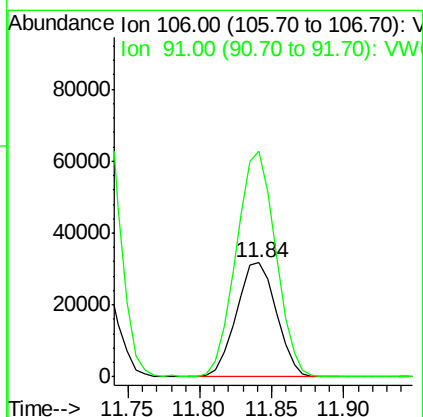
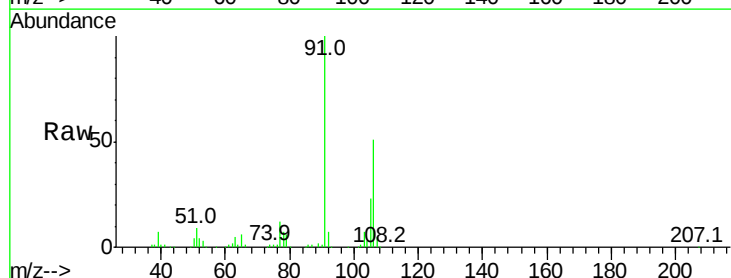
#53
Ethylbenzene
Concen: 5.063 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013521.D
Acq: 10 Oct 2019 15:37

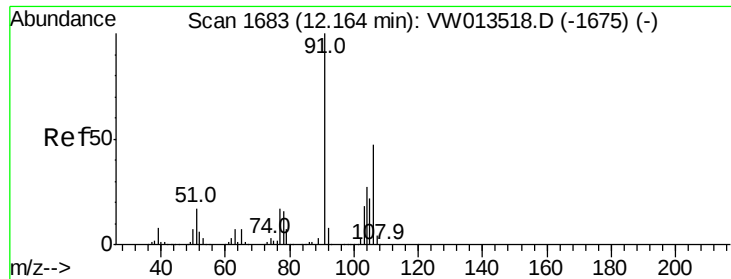
Tgt Ion: 91 Resp: 156868
Ion Ratio Lower Upper
91 100
106 30.6 21.5 39.9



#54
m,p-Xylene
Concen: 5.116 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013521.D
Acq: 10 Oct 2019 15:37

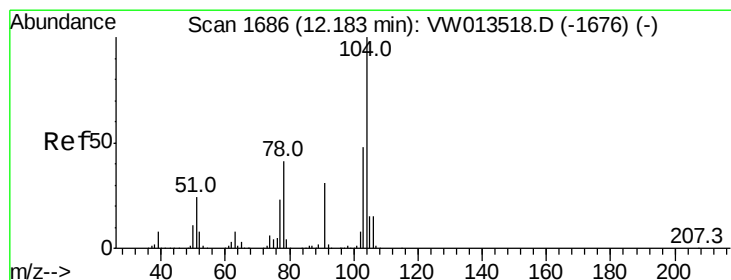
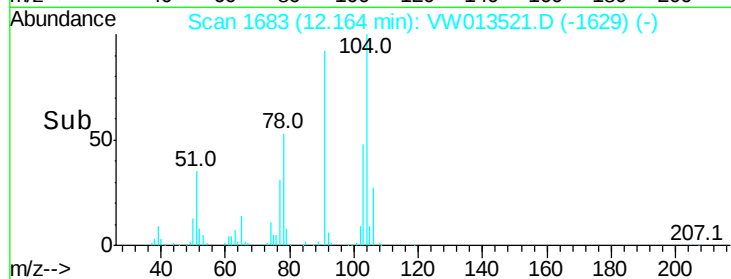
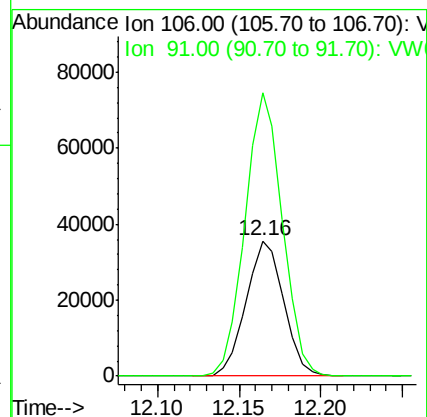
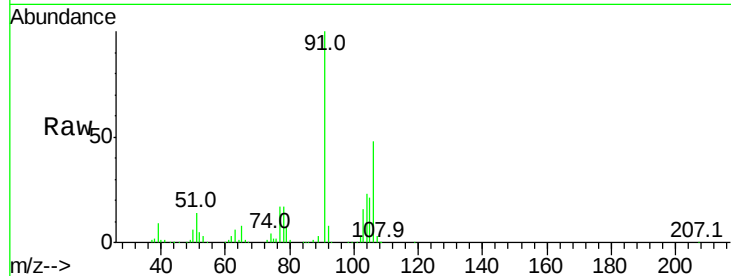
Tgt Ion: 106 Resp: 61456
Ion Ratio Lower Upper
106 100
91 197.7 139.4 258.8





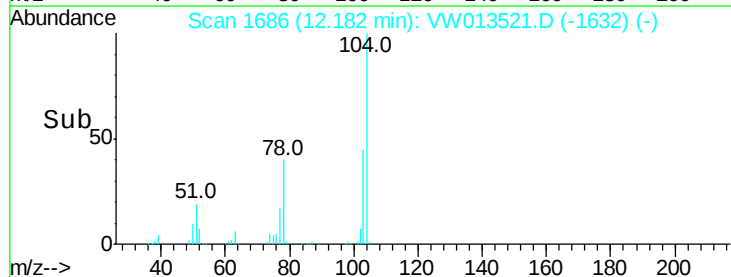
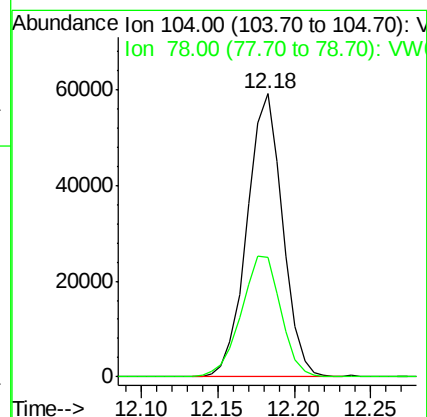
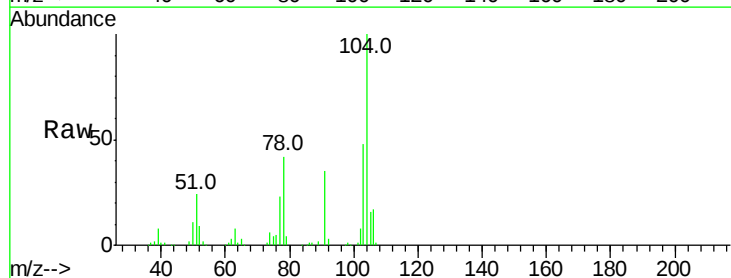
#55
o-xylene
Concen: 5.073 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013521.D
Acq: 10 Oct 2019 15:37

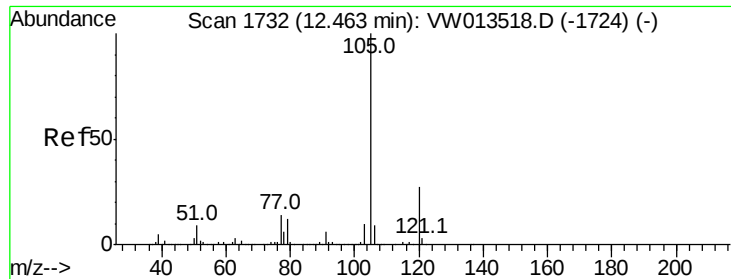
Tgt Ion:106 Resp: 57099
Ion Ratio Lower Upper
106 100
91 209.7 148.4 275.6



#56
Styrene
Concen: 4.977 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013521.D
Acq: 10 Oct 2019 15:37

Tgt Ion:104 Resp: 95596
Ion Ratio Lower Upper
104 100
78 42.2 28.4 52.8





#57

Isopropylbenzene

Concen: 5.053 ug/L

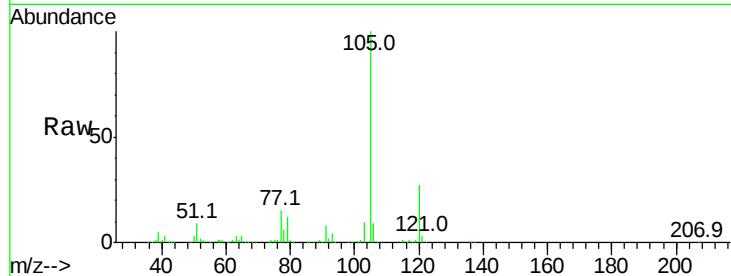
RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

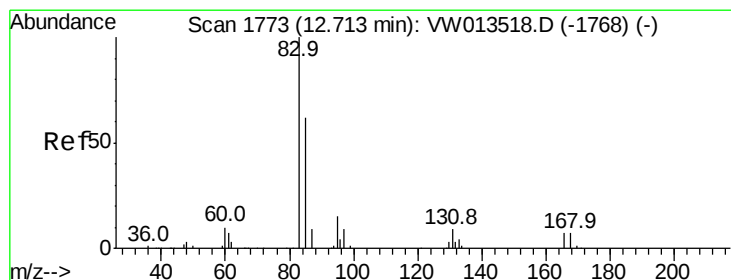
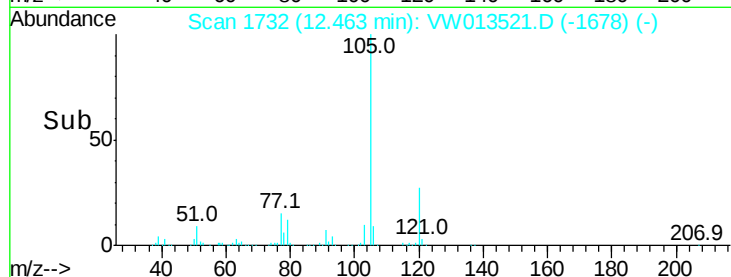
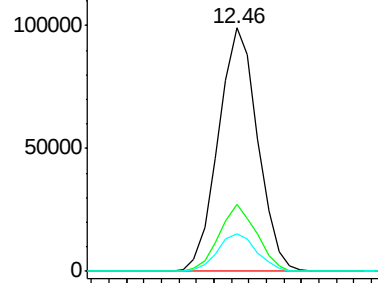
Lab File: VW013521.D

Acq: 10 Oct 2019 15:37

Tgt Ion:	105	Resp:	155218
Ion	Ratio	Lower	Upper
105	100		
120	26.0	21.7	32.5
77	15.5	11.8	17.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.954 ug/L

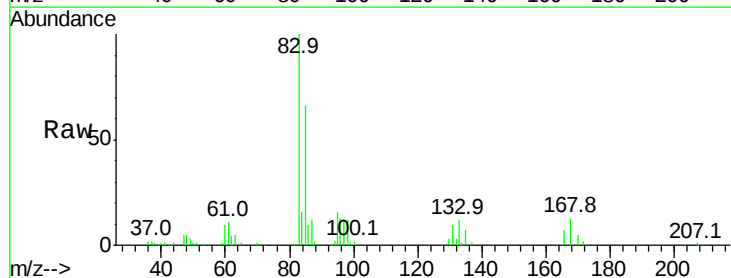
RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

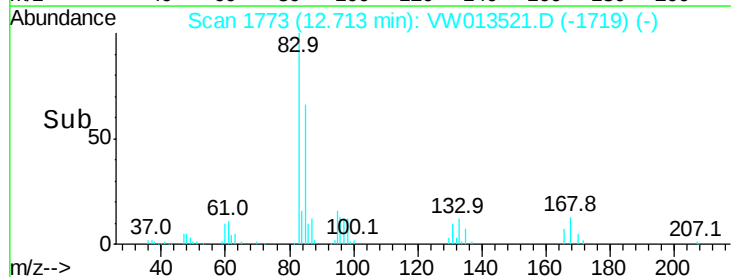
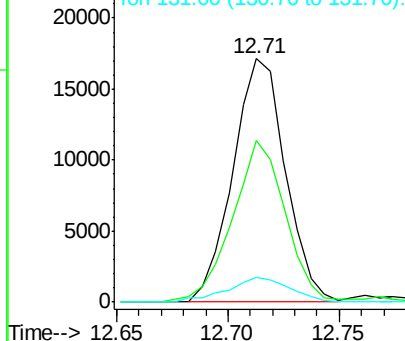
Lab File: VW013521.D

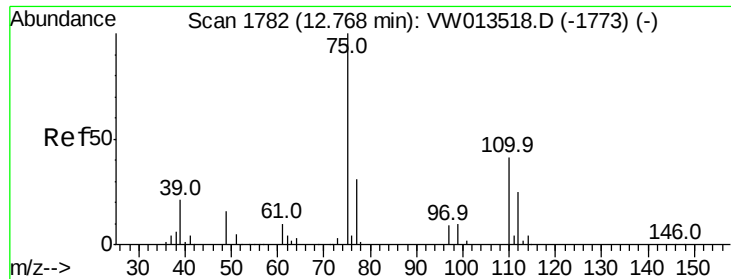
Acq: 10 Oct 2019 15:37

Tgt Ion:	83	Resp:	28171
Ion	Ratio	Lower	Upper
83	100		
85	66.4	44.7	83.1
131	10.2	7.8	11.6



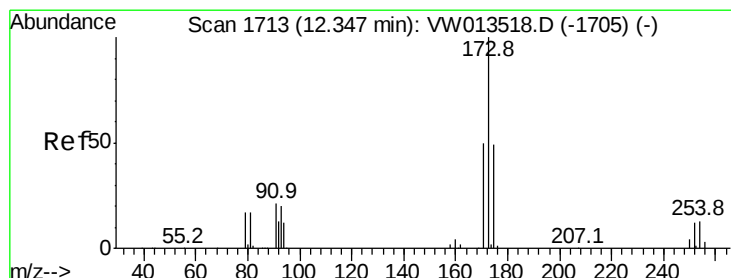
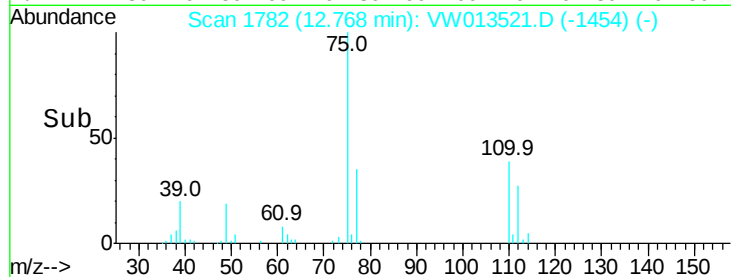
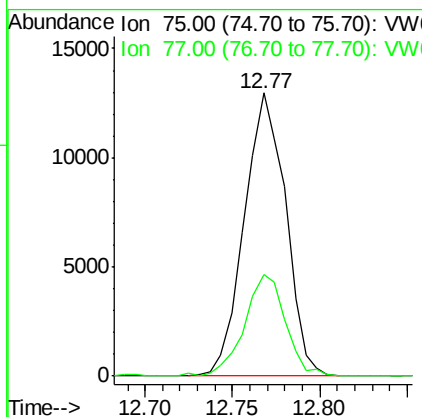
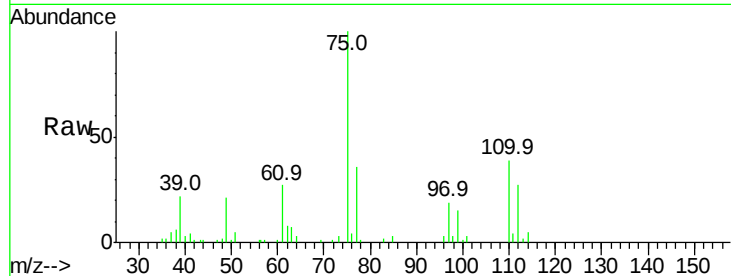
Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 131.00 (130.70 to 131.70): V





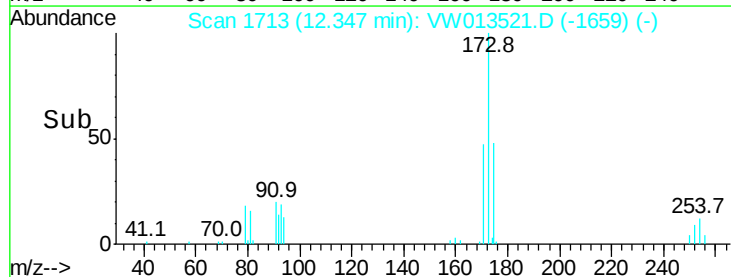
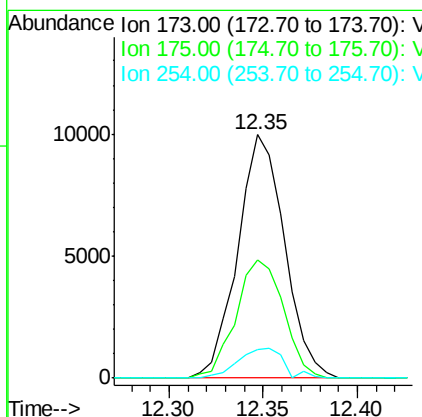
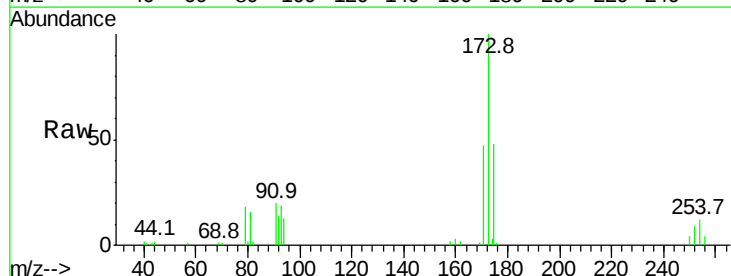
#59
 1,2,3-Trichloropropane
 Concen: 5.000 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013521.D
 Acq: 10 Oct 2019 15:37

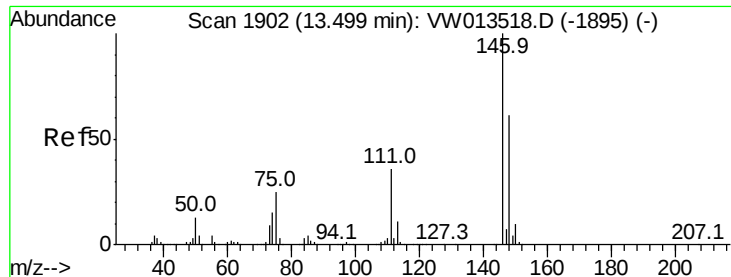
Tgt Ion: 75 Resp: 21351
 Ion Ratio Lower Upper
 75 100
 77 35.4 25.5 38.3



#62
 Bromoform
 Concen: 4.850 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013521.D
 Acq: 10 Oct 2019 15:37

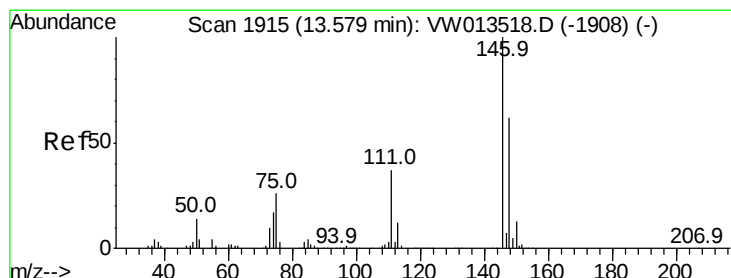
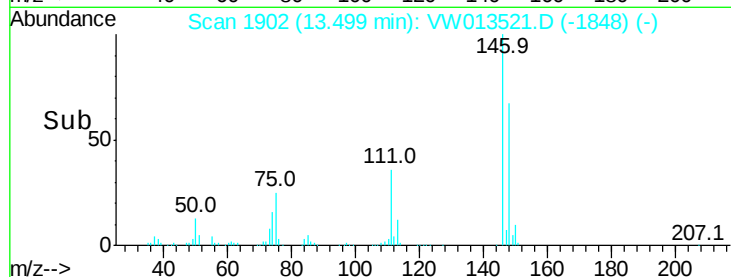
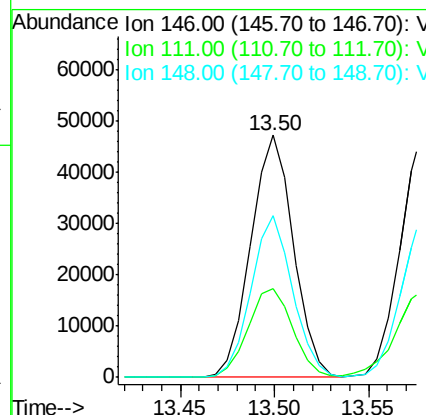
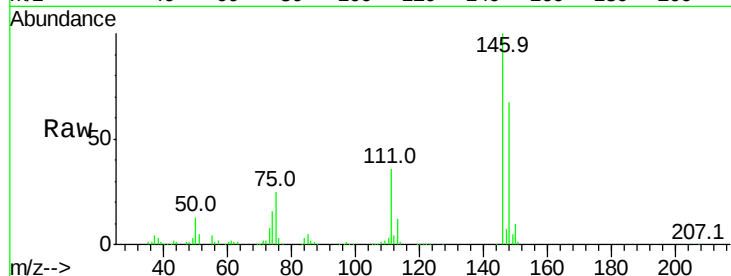
Tgt Ion: 173 Resp: 17182
 Ion Ratio Lower Upper
 173 100
 175 49.3 39.0 58.6
 254 11.2 10.1 15.1





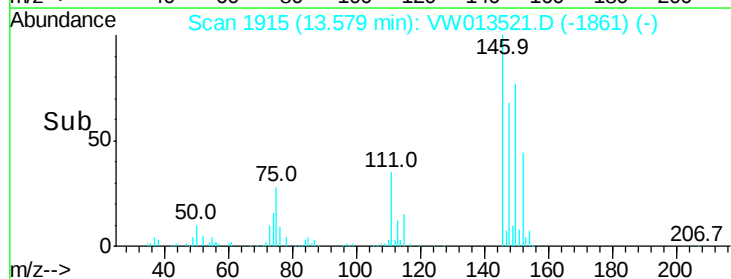
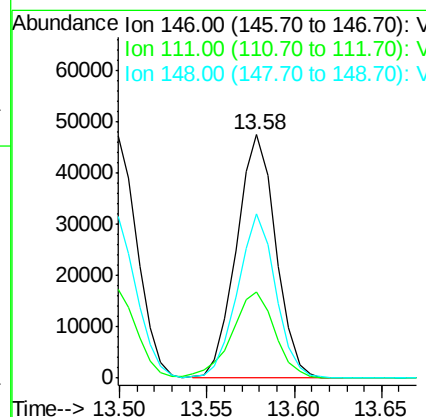
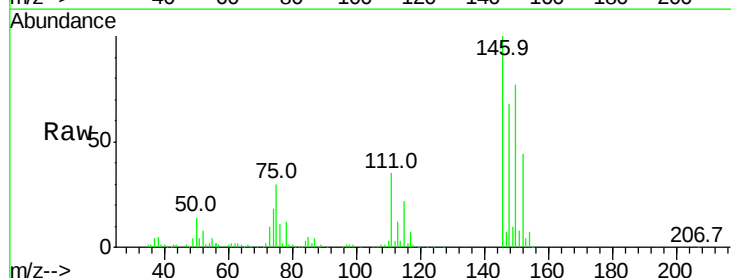
#63
 1,3-Dichlorobenzene
 Concen: 5.157 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013521.D
 Acq: 10 Oct 2019 15:37

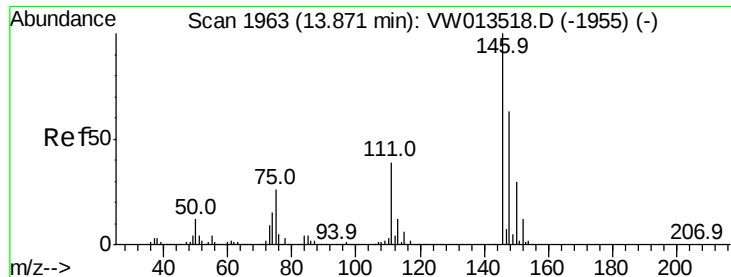
Tgt Ion:146 Resp: 74079
 Ion Ratio Lower Upper
 146 100
 111 36.4 25.3 46.9
 148 66.7 42.8 79.4



#64
 1,4-Dichlorobenzene
 Concen: 5.224 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013521.D
 Acq: 10 Oct 2019 15:37

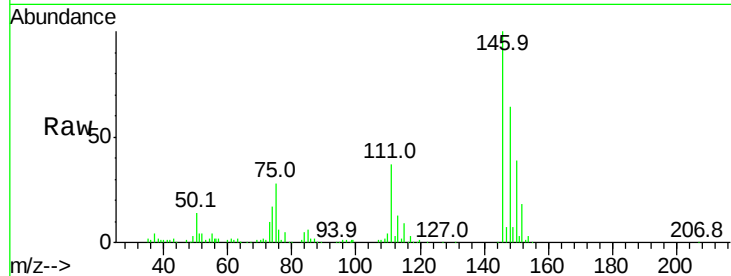
Tgt Ion:146 Resp: 74240
 Ion Ratio Lower Upper
 146 100
 111 35.4 25.8 47.8
 148 67.6 43.7 81.1



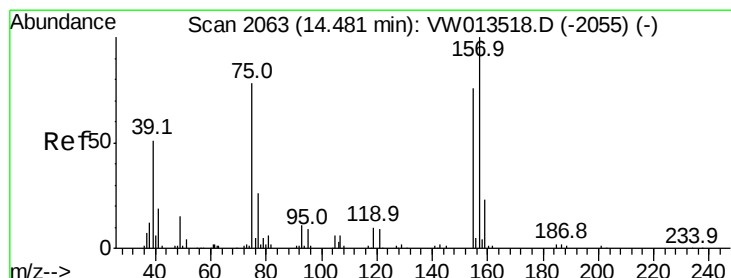
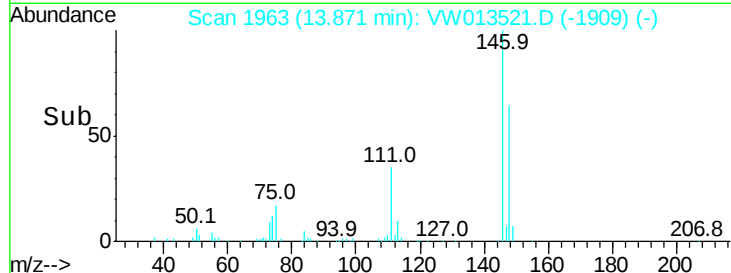
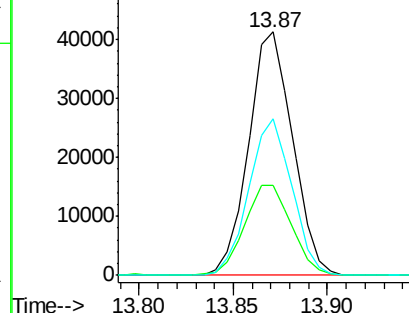


#65
 1,2-Dichlorobenzene
 Concen: 5.234 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013521.D
 Acq: 10 Oct 2019 15:37

Tgt Ion: 146 Resp: 66928
 Ion Ratio Lower Upper
 146 100
 111 36.9 31.0 46.4
 148 64.3 50.3 75.5

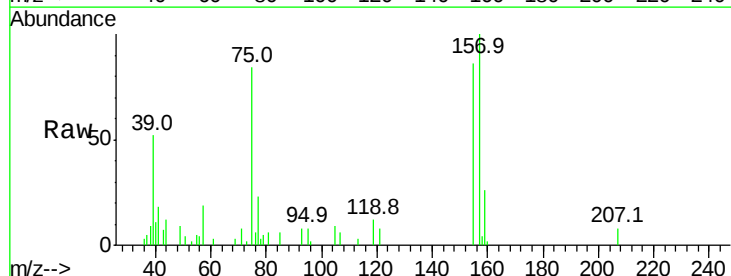


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

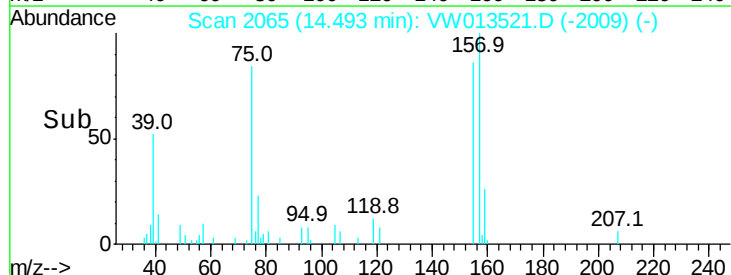
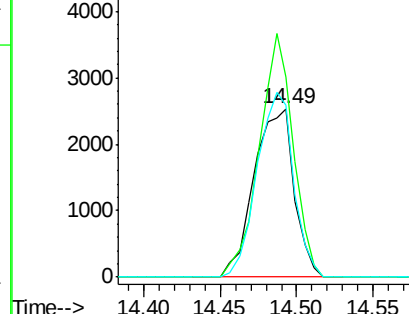


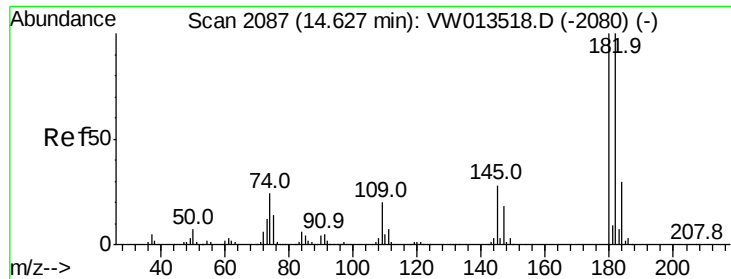
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.185 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW013521.D
 Acq: 10 Oct 2019 15:37

Tgt Ion: 75 Resp: 4622
 Ion Ratio Lower Upper
 75 100
 157 119.2 102.0 153.0
 155 102.4 77.6 116.4



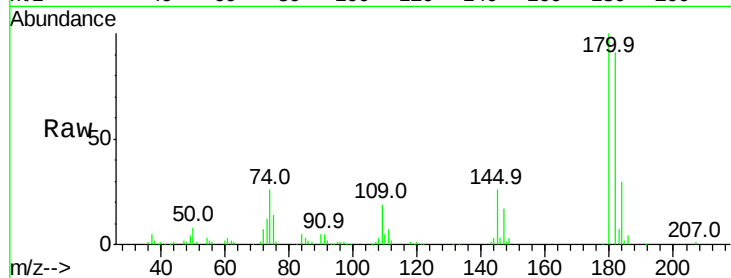
Abundance Ion 75.00 (74.70 to 75.70): VW
 Ion 157.00 (156.70 to 157.70): V
 Ion 155.00 (154.70 to 155.70): V





#67
 1,3,5-Trichlorobenzene
 Concen: 5.366 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013521.D
 Acq: 10 Oct 2019 15:37

Tgt Ion:	180	Resp:	56581
Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.0	115.4
184	29.7	24.7	37.1
145	27.3	22.2	33.2

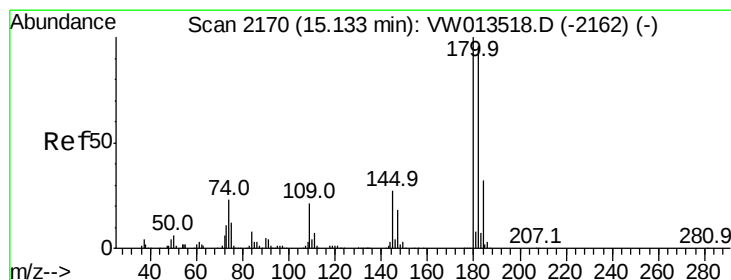
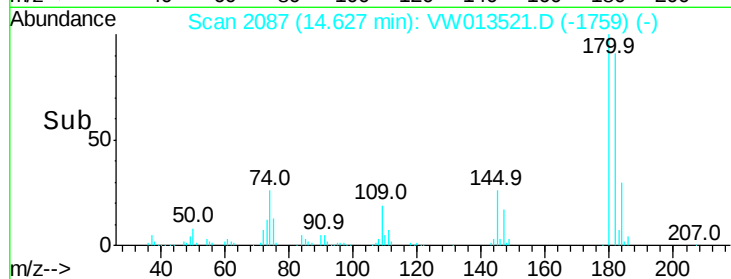
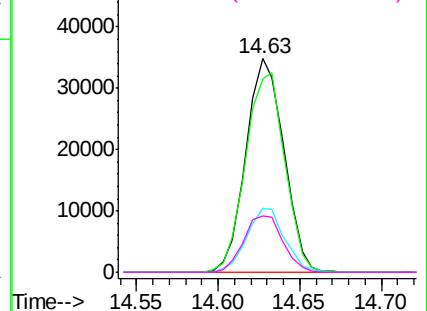


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

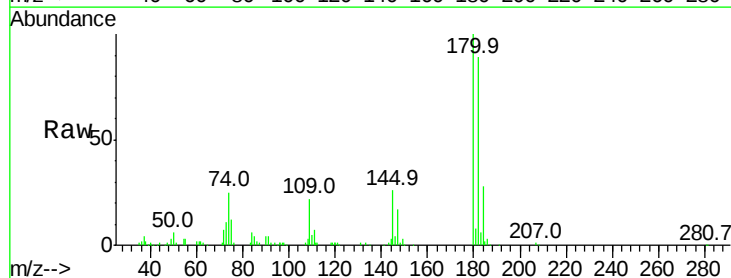
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.413 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013521.D
 Acq: 10 Oct 2019 15:37

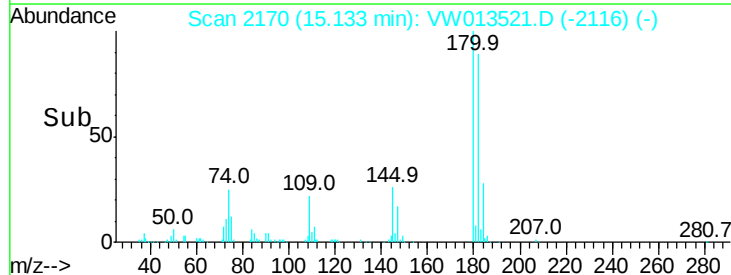
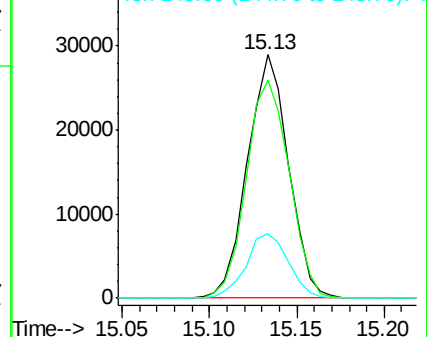
Tgt Ion:	180	Resp:	47269
Ion	Ratio	Lower	Upper
180	100		
182	93.4	78.2	117.2
145	27.1	22.8	34.2

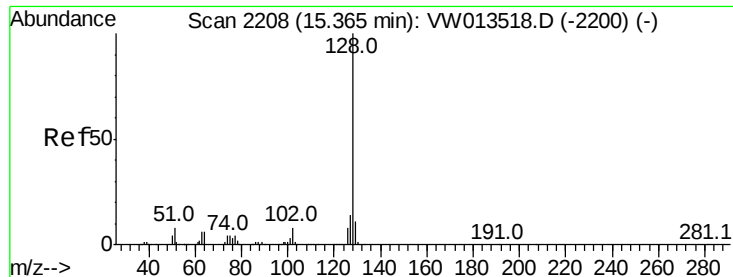


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

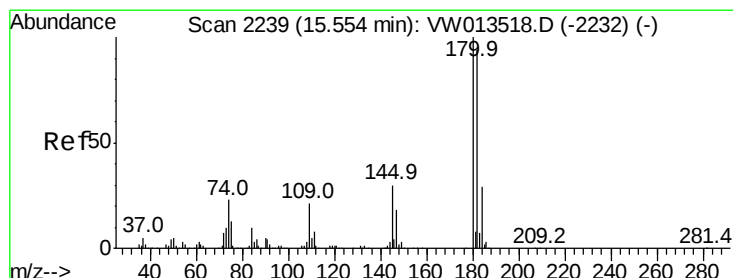
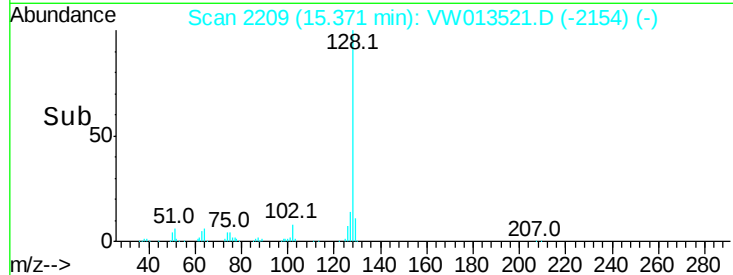
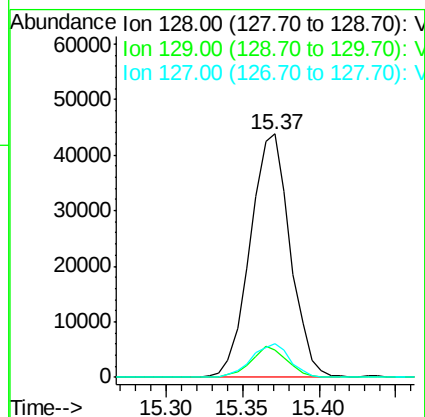
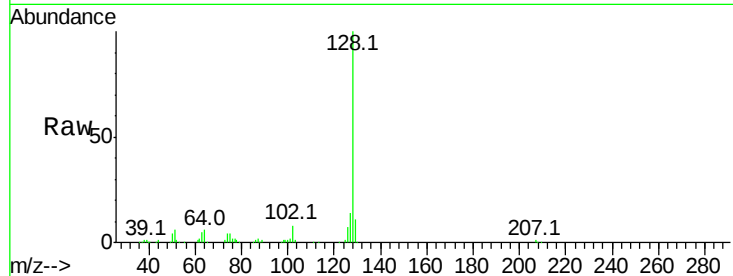
Ion 145.00 (144.70 to 145.70): V





#69
Naphthalene
Concen: 4.993 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW013521.D
Acq: 10 Oct 2019 15:37

Tgt Ion:	128	Resp:	79762
Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.5	12.7
127	13.5	10.4	15.6



#70
1,2,3-Trichlorobenzene
Concen: 5.217 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013521.D
Acq: 10 Oct 2019 15:37

Tgt Ion:	180	Resp:	40482
Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.0	114.0
145	30.3	23.1	34.7

