

Data File : VW013517.D
Acq On : 10 Oct 2019 11:40
Operator : SY/VA
Sample : VSTD00562
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 10 14:08:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 10 14:04:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	518233	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	454197	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	221839	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	31117	5.04	ug/L	0.00
7) Chloroethane-d5	2.89	69	23433	4.72	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	58216	4.79	ug/L	0.00
20) 2-Butanone-d5	7.08	46	18009	8.43	ug/L	0.00
24) Chloroform-d	7.65	84	58901	5.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	30213	4.79	ug/L	0.00
29) Benzene-d6	8.27	84	128349	5.20	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	37215	5.06	ug/L	0.00
37) Toluene-d8	10.32	98	119272	5.14	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	15819	4.79	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	13241	8.23	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	28619	4.59	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	41895	5.29	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	6132	1.891 ug/L	97
3) Chloromethane	2.21	50	19651	4.522 ug/L	90
5) Vinyl chloride	2.35	62	27823	4.629 ug/L	98
6) Bromomethane	2.77	94	17002	4.450 ug/L	98
8) Chloroethane	2.92	64	16204	4.444 ug/L	91
9) Trichlorofluoromethane	3.25	101	14440	3.877 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	27438	4.661 ug/L	98
12) 1,1-Dichloroethene	4.04	96	28057	4.696 ug/L	95
13) Acetone	4.12	43	17571	9.884 ug/L	100
14) Carbon disulfide	4.38	76	82084	4.840 ug/L	97
15) Methyl Acetate	4.66	43	6794	1.981 ug/L	# 79
16) Methylene chloride	4.91	84	36167	4.671 ug/L	94
17) Methyl tert-butyl Ether	5.42	73	46119	4.463 ug/L	# 92
18) trans-1,2-Dichloroethene	5.42	96	30998	4.853 ug/L	97
19) 1,1-Dichloroethane	6.21	63	50941	4.546 ug/L	97
21) 2-Butanone	7.17	43	19568	7.642 ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	33333	4.789 ug/L	98
23) Bromochloromethane	7.52	128	14905	4.759 ug/L	84
25) Chloroform	7.68	83	51497	4.677 ug/L	99
27) 1,2-Dichloroethane	8.40	62	32623	4.524 ug/L	99
30) Cyclohexane	7.96	56	52341	4.798 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	41086	4.713 ug/L	99
32) Carbon tetrachloride	8.07	117	36991	4.450 ug/L	98
34) Benzene	8.32	78	123745	4.860 ug/L	100
35) Trichloroethene	9.09	95	30627	4.578 ug/L	98
36) Methylcyclohexane	9.34	83	56560	4.746 ug/L	98
40) 1,2-Dichloropropane	9.37	63	29870	4.768 ug/L	99
41) Bromodichloromethane	9.65	83	35866	4.666 ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	44852	4.482 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	39650	8.268 ug/L	99

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Quant Title : VOC Analysis
QLast Update : Thu Oct 10 14:04:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) Toluene	10.39	91	131150	4.731	ug/L	95
45) trans-1,3-Dichloropropene	10.60	75	36205	4.501	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	22580	4.600	ug/L	96
47) Tetrachloroethene	10.86	164	29168	4.846	ug/L	96
49) 2-Hexanone	10.97	43	25492	7.395	ug/L	98
50) Dibromochloromethane	11.13	129	25612	4.549	ug/L	96
51) 1,2-Dibromoethane	11.24	107	20879	4.330	ug/L #	99
52) Chlorobenzene	11.66	112	82809	4.740	ug/L	99
53) Ethylbenzene	11.73	91	145359	4.730	ug/L	98
54) m,p-Xylene	11.84	106	55819	4.731	ug/L	94
55) o-xylene	12.16	106	52405	4.706	ug/L	97
56) Styrene	12.18	104	89314	4.678	ug/L	97
57) Isopropylbenzene	12.46	105	145509	4.833	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	26126	4.320	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	19629	4.350	ug/L	98
62) Bromoform	12.35	173	15360	4.377	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	66834	4.896	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	66157	4.796	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	59492	4.790	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.48	75	3909	3.996	ug/L	84
67) 1,3,5-Trichlorobenzene	14.63	180	47726	4.541	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	37115	4.424	ug/L	95
69) Naphthalene	15.36	128	60507	3.775	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	33398	4.377	ug/L	96

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

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ALS Vial      : 1      Sample Multiplier: 1
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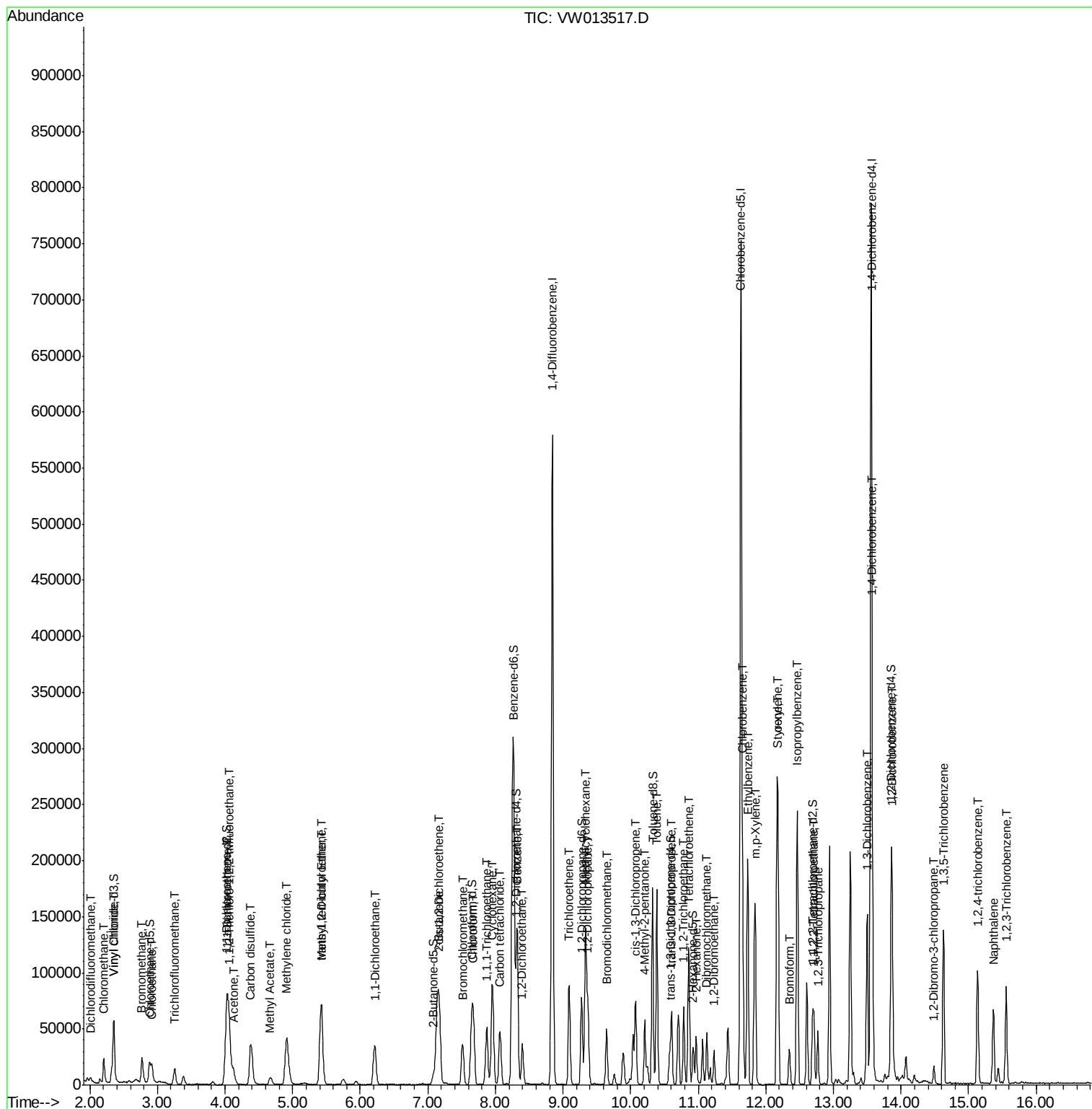
Quant Time: Oct 10 14:08:01 2019

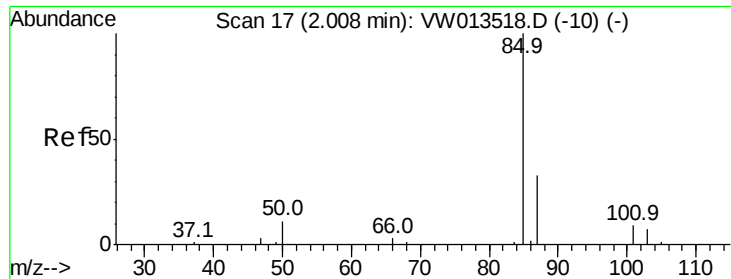
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M

Quant Title : VOC Analysis

QLast Update : Thu Oct 10 14:04:30 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.891 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013517.D

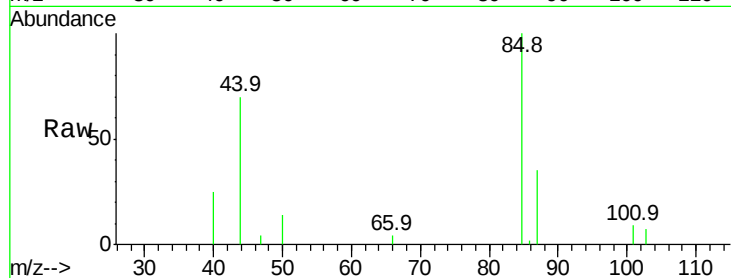
Acq: 10 Oct 2019 11:40

Tgt Ion: 85 Resp: 6132

Ion Ratio Lower Upper

85 100

87 27.8 20.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01

2000

1500

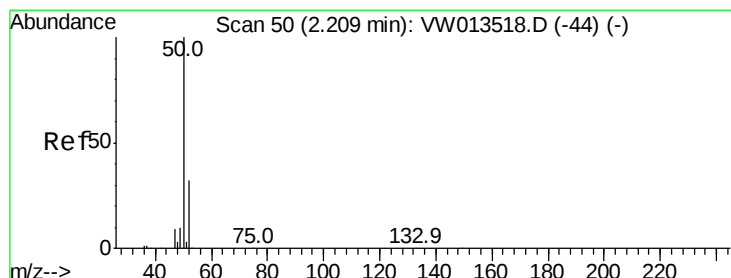
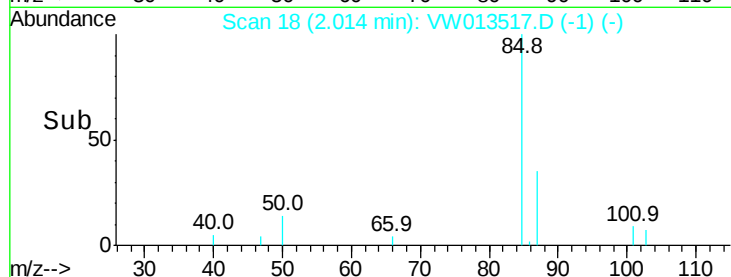
1000

500

0

Time-->

1.95 2.00 2.05



#3

Chloromethane

Concen: 4.522 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013517.D

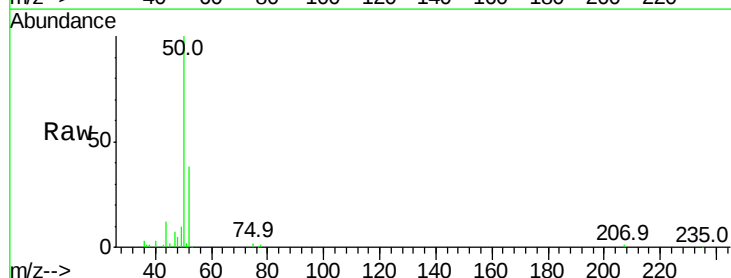
Acq: 10 Oct 2019 11:40

Tgt Ion: 50 Resp: 19651

Ion Ratio Lower Upper

50 100

52 38.0 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21

15000

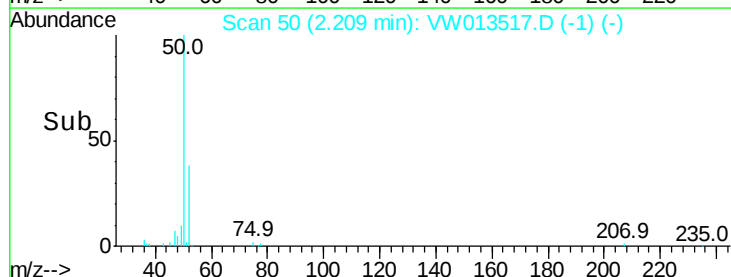
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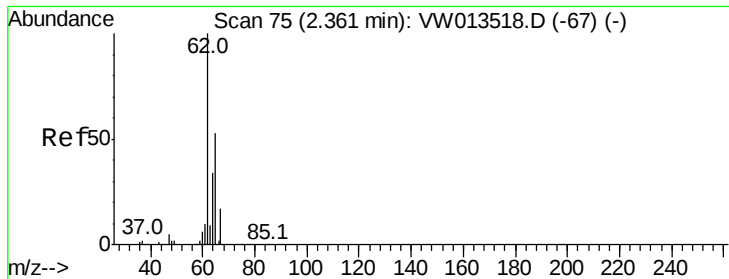
5000

0

Time-->

2.15 2.20 2.25





#5

Vinyl chloride

Concen: 4.629 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013517.D

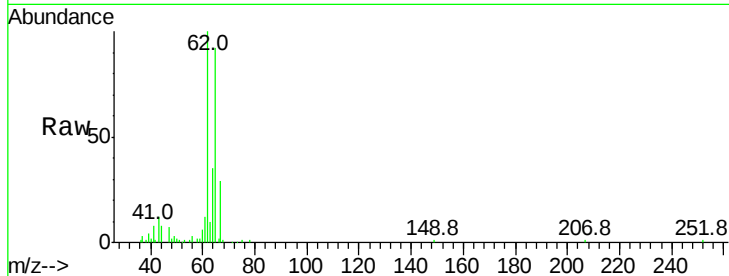
Acq: 10 Oct 2019 11:40

Tgt Ion: 62 Resp: 27823

Ion Ratio Lower Upper

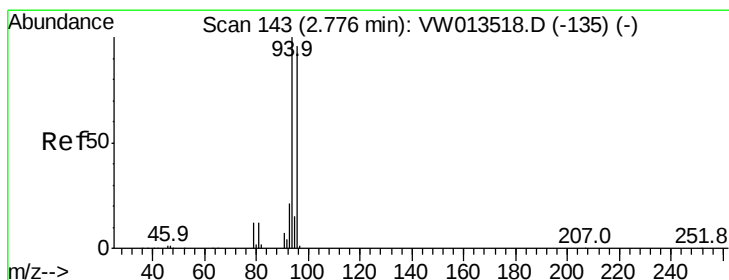
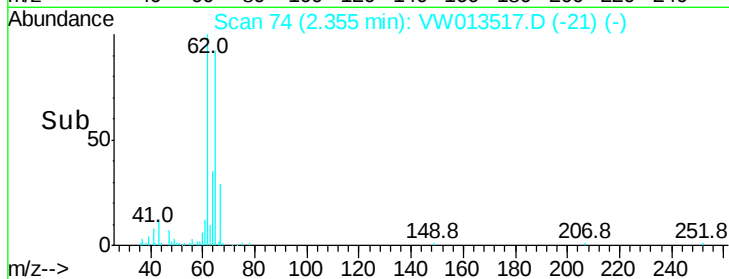
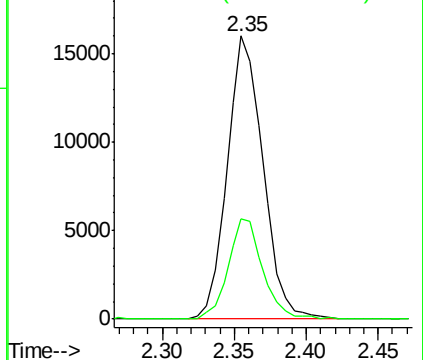
62 100

64 35.3 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: 4.450 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013517.D

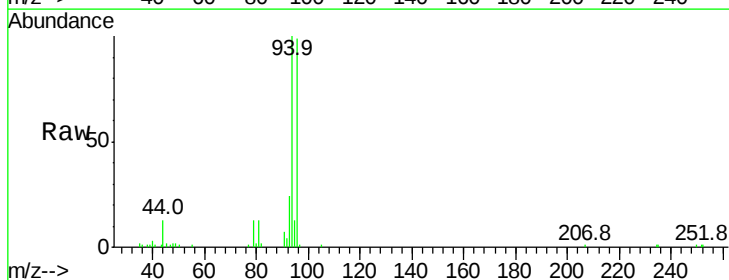
Acq: 10 Oct 2019 11:40

Tgt Ion: 94 Resp: 17002

Ion Ratio Lower Upper

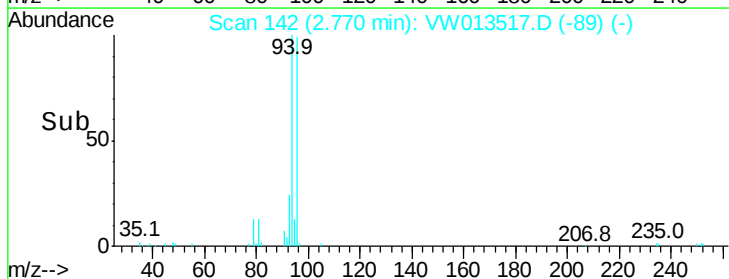
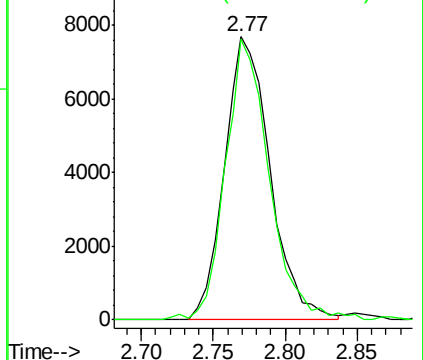
94 100

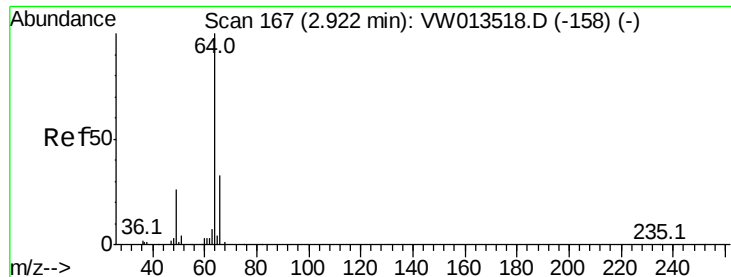
96 92.3 9.5 179.9



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 4.444 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013517.D

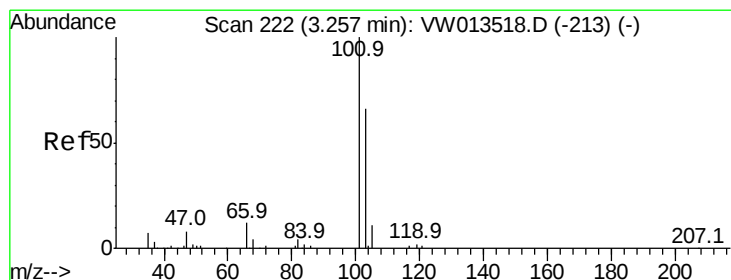
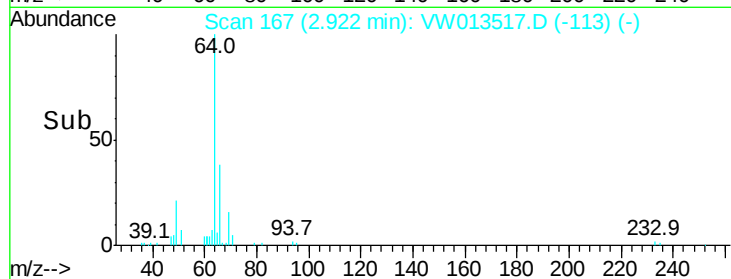
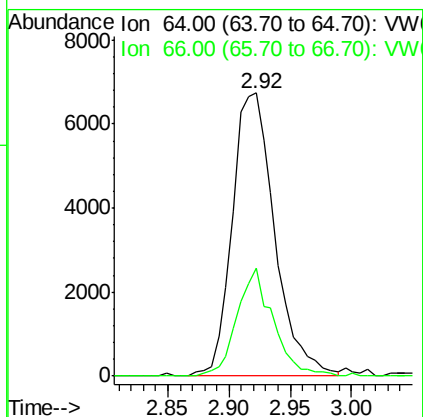
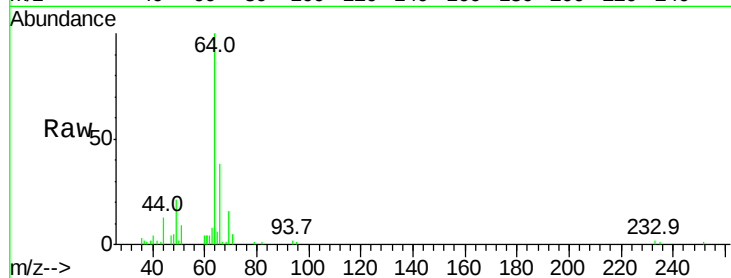
Acq: 10 Oct 2019 11:40

Tgt Ion: 64 Resp: 16204

Ion Ratio Lower Upper

64 100

66 38.0 23.2 43.0



#9

Trichlorofluoromethane

Concen: 3.877 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW013517.D

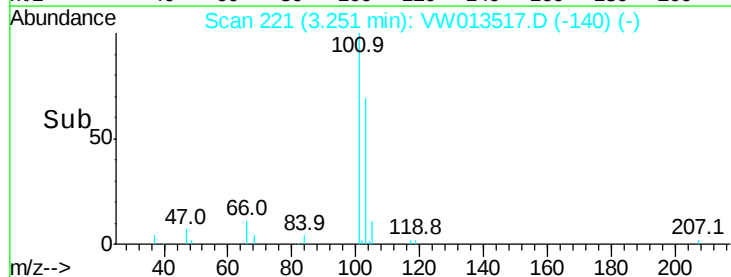
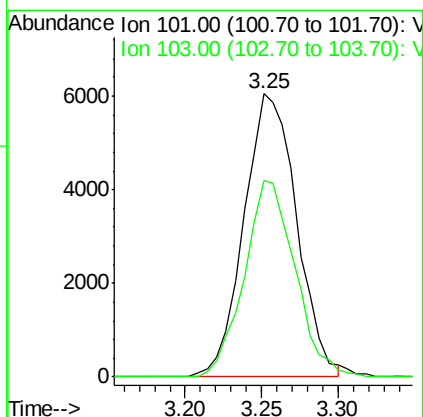
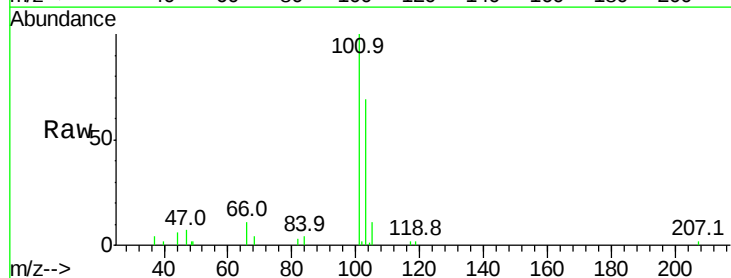
Acq: 10 Oct 2019 11:40

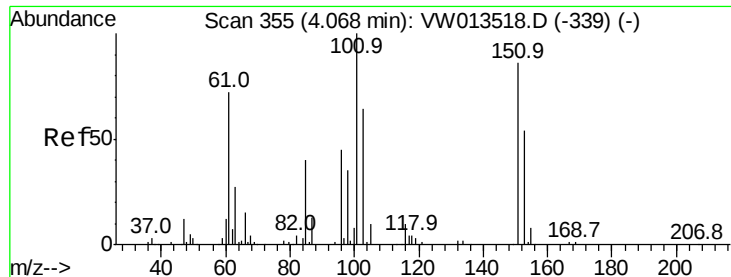
Tgt Ion: 101 Resp: 14440

Ion Ratio Lower Upper

101 100

103 67.0 46.0 85.4





#11

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

Concen: 4.661 ug/L

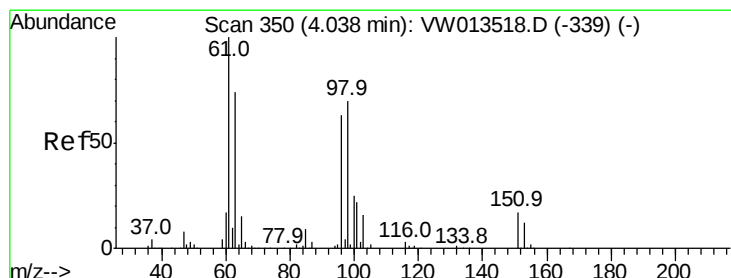
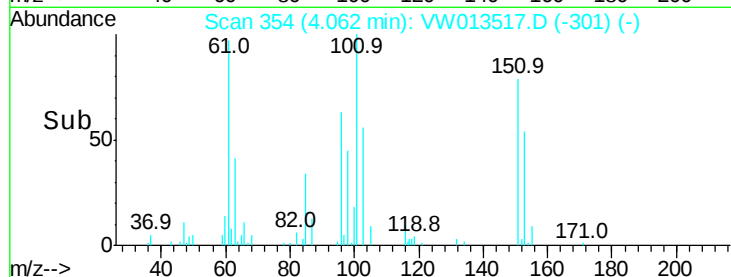
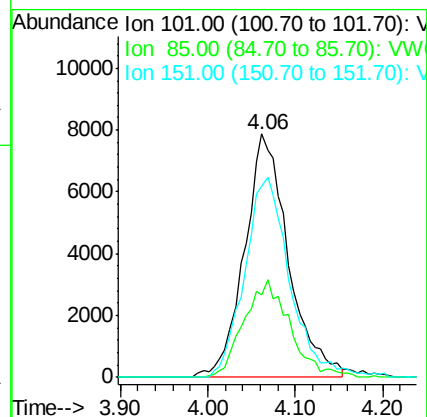
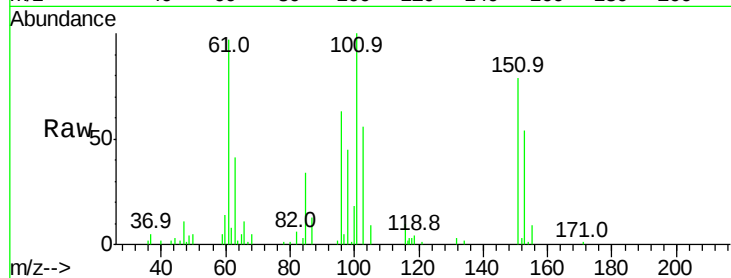
RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013517.D

Acq: 10 Oct 2019 11:40

Tgt Ion:	101	Resp:	27438
Ion	Ratio	Lower	Upper
101	100		
85	40.6	32.0	48.0
151	82.1	67.0	100.6



#12

1,1-Dichloroethene

Concen: 4.696 ug/L

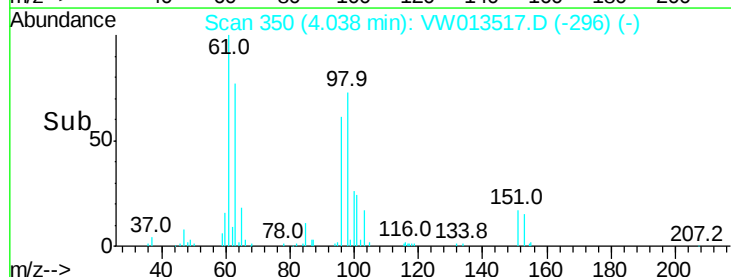
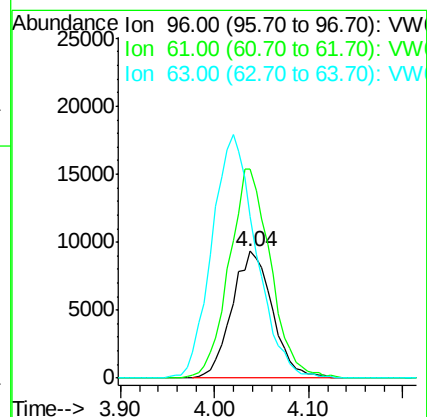
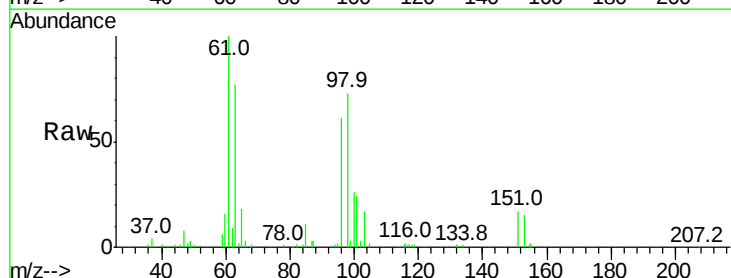
RT: 4.04 min Scan# 350

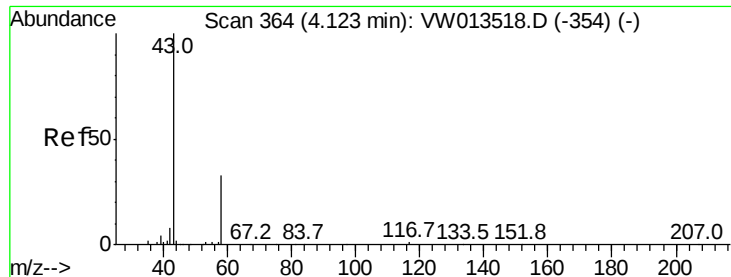
Delta R.T. -0.00 min

Lab File: VW013517.D

Acq: 10 Oct 2019 11:40

Tgt Ion:	96	Resp:	28057
Ion	Ratio	Lower	Upper
96	100		
61	165.2	111.0	206.2
63	127.7	86.3	160.3





#13

Acetone

Concen: 9.884 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW013517.D

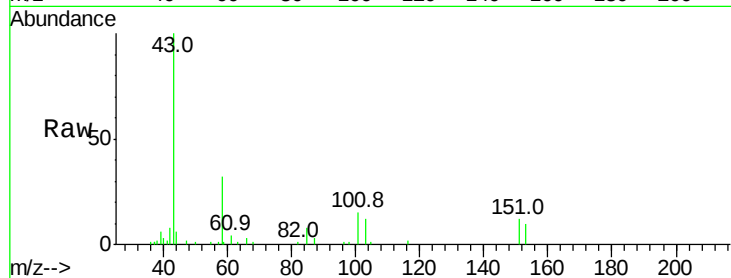
Acq: 10 Oct 2019 11:40

Tgt Ion: 43 Resp: 17571

Ion Ratio Lower Upper

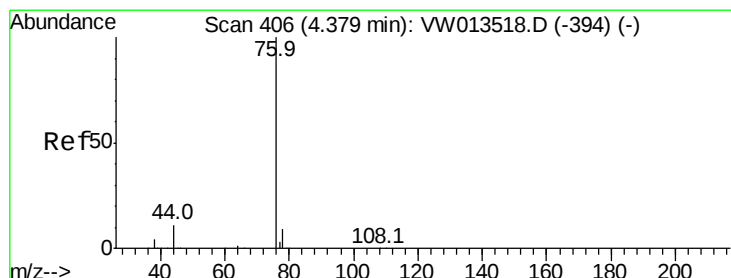
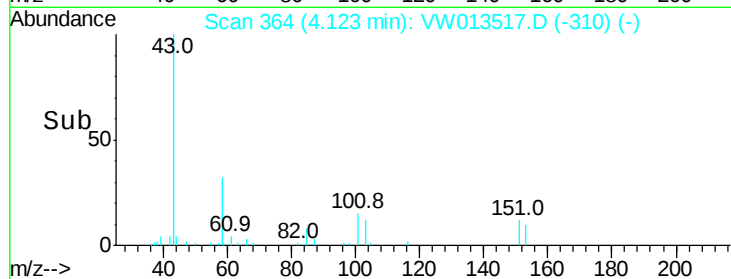
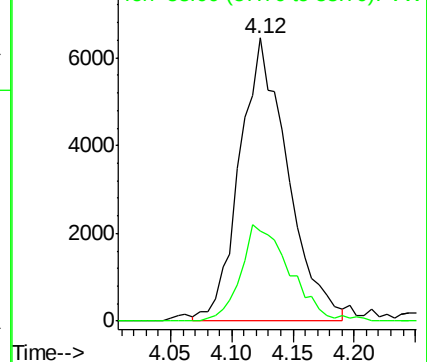
43 100

58 34.0 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: 4.840 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013517.D

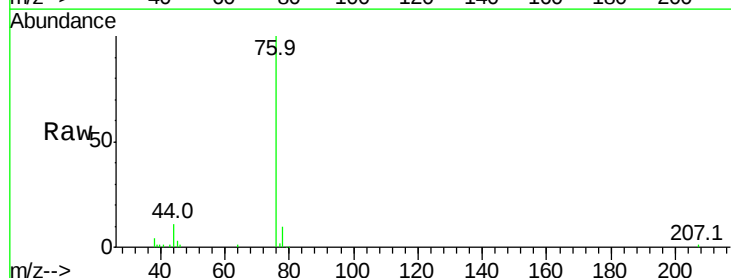
Acq: 10 Oct 2019 11:40

Tgt Ion: 76 Resp: 82084

Ion Ratio Lower Upper

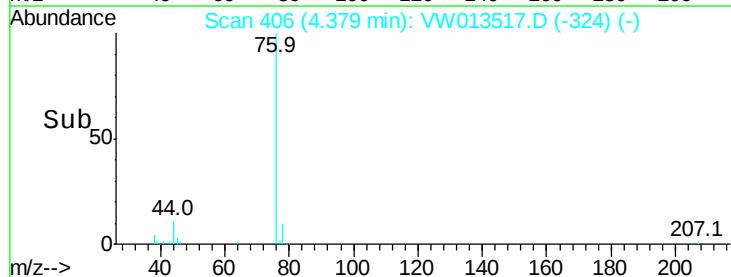
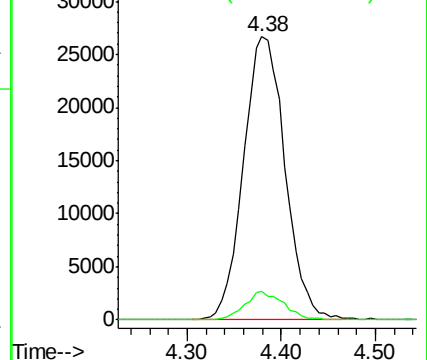
76 100

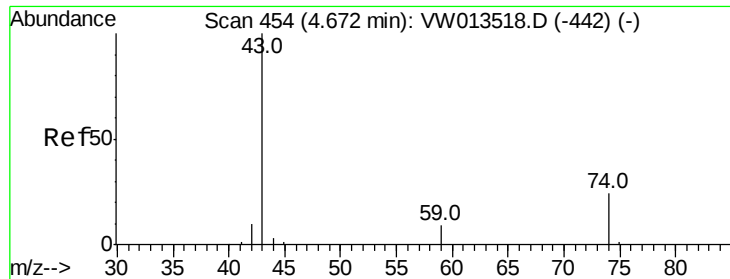
78 10.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

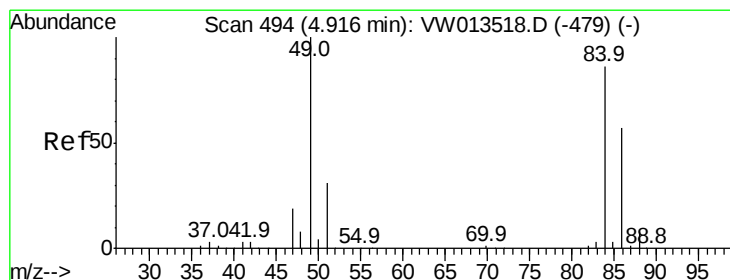
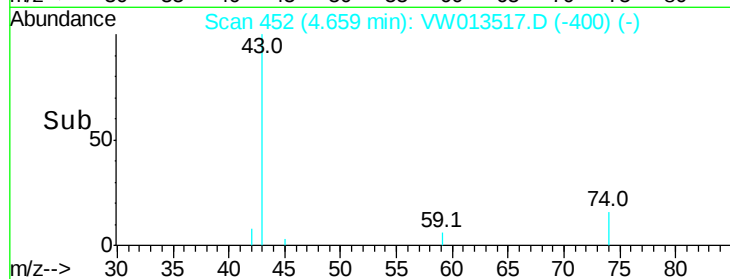
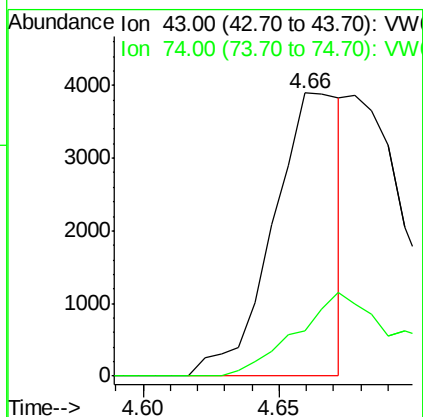
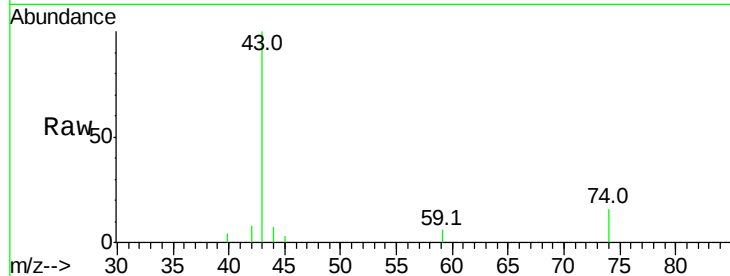
Ion 78.00 (77.70 to 78.70): VW





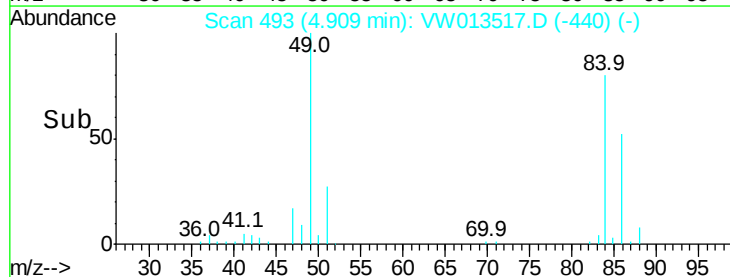
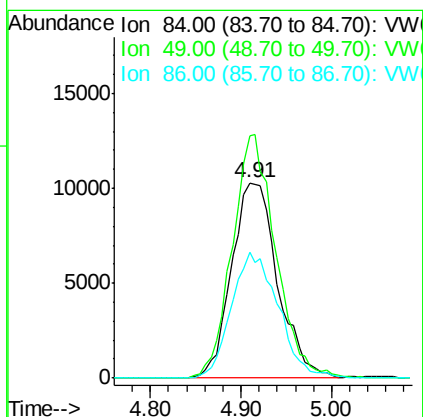
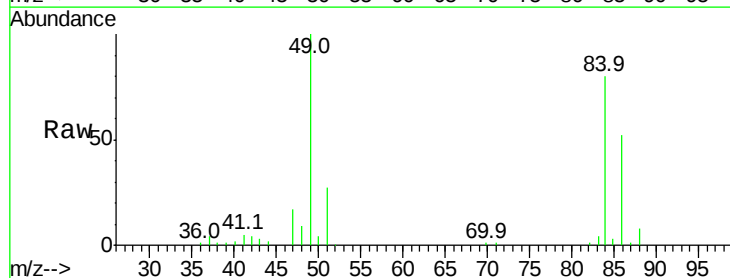
#15
Methyl Acetate
Concen: 1.981 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW013517.D
Acq: 10 Oct 2019 11:40

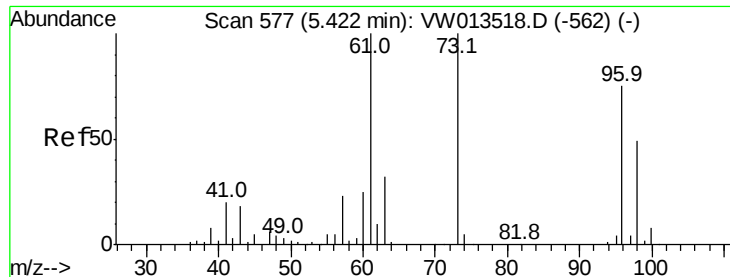
Tgt Ion: 43 Resp: 6794
Ion Ratio Lower Upper
43 100
74 33.8 18.7 28.1#



#16
Methylene chloride
Concen: 4.671 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW013517.D
Acq: 10 Oct 2019 11:40

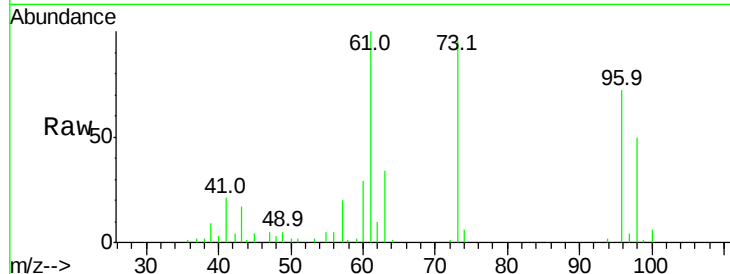
Tgt Ion: 84 Resp: 36167
Ion Ratio Lower Upper
84 100
49 124.5 81.3 151.1
86 64.6 46.3 86.1



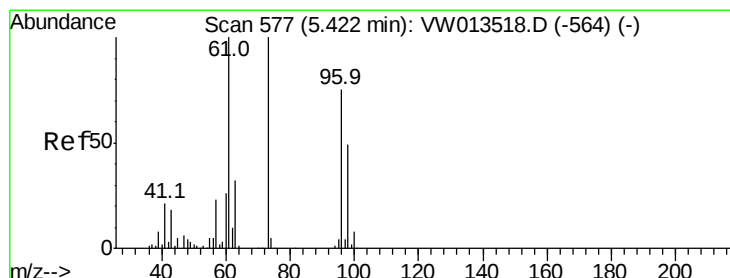
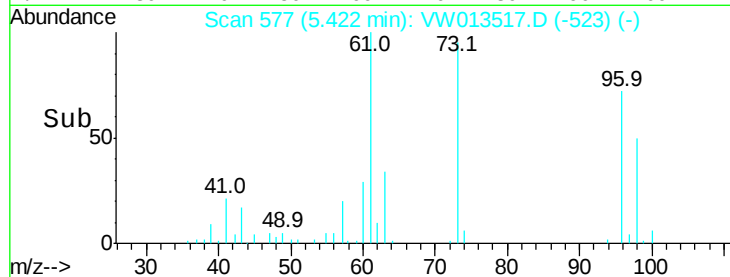
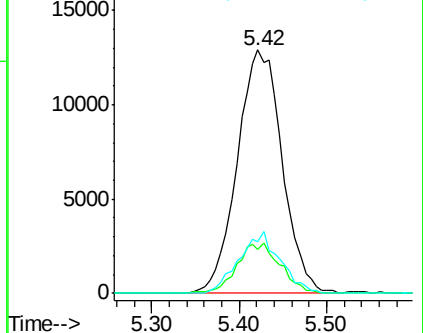


#17
Methyl tert-butyl Ether
Concen: 4.463 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013517.D
Acq: 10 Oct 2019 11:40

Tgt Ion	Ratio	Lower	Upper
73	100		
43	10.6	15.0	22.4#
57	22.8	18.1	27.1

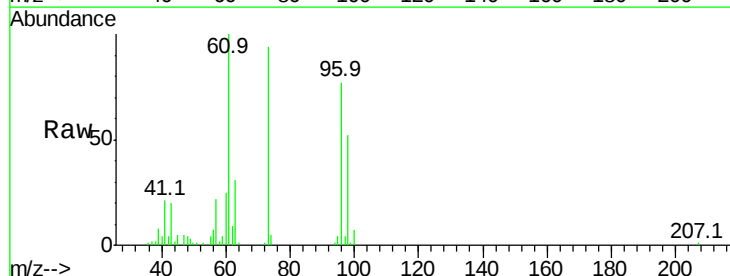


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

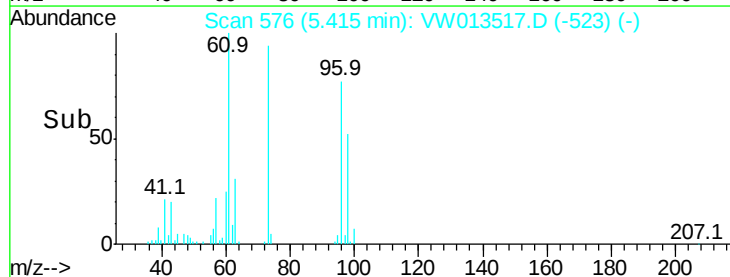
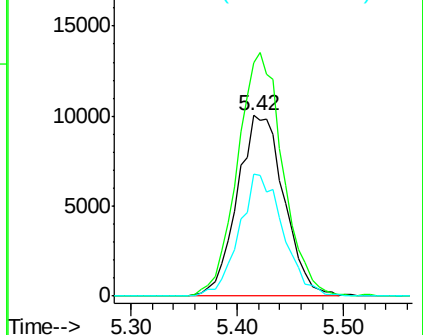


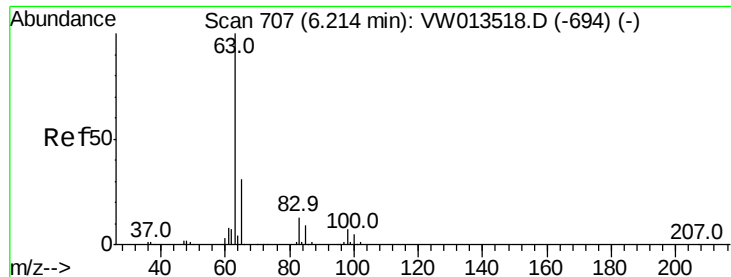
#18
trans-1,2-Dichloroethene
Concen: 4.853 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013517.D
Acq: 10 Oct 2019 11:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.3	93.7	173.9
98	67.5	46.1	85.7



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





#19

1,1-Dichloroethane

Concen: 4.546 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013517.D

Acq: 10 Oct 2019 11:40

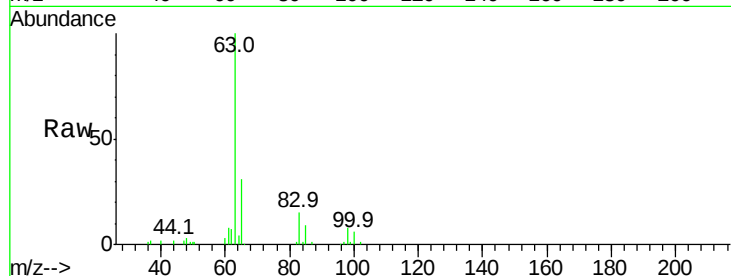
Tgt Ion: 63 Resp: 50941

Ion Ratio Lower Upper

63 100

65 31.5 21.6 40.0

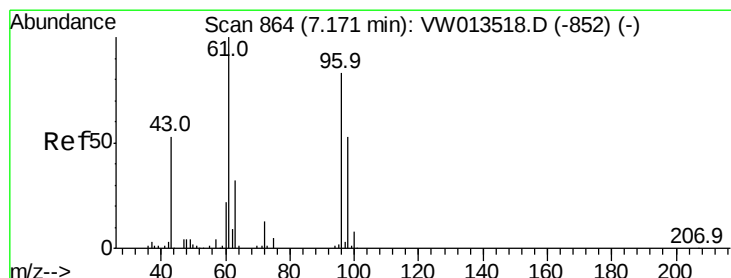
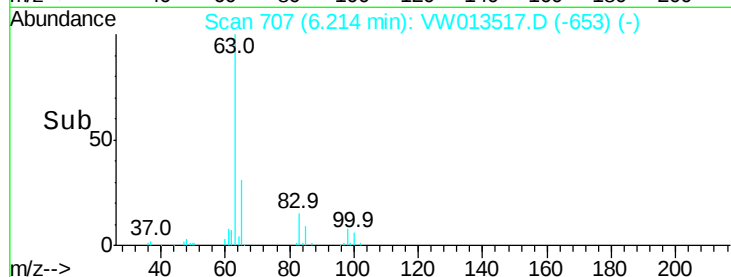
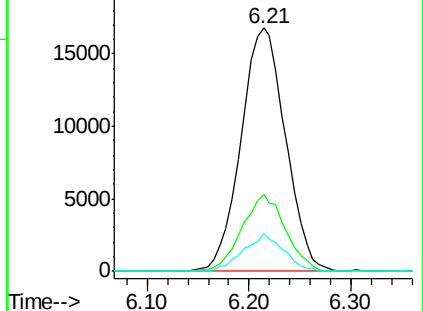
83 15.2 9.0 16.6



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: 7.642 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013517.D

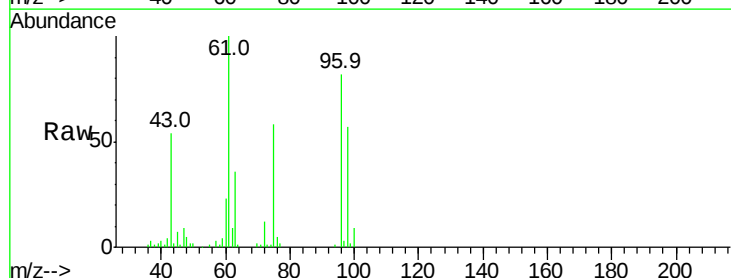
Acq: 10 Oct 2019 11:40

Tgt Ion: 43 Resp: 19568

Ion Ratio Lower Upper

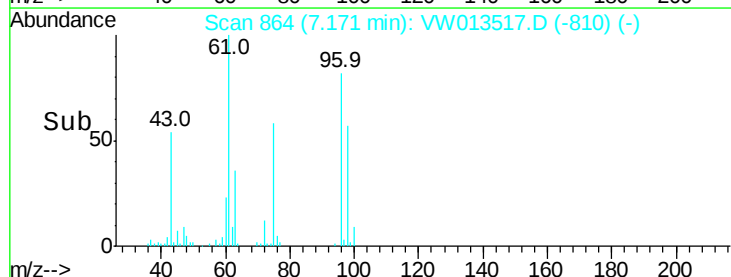
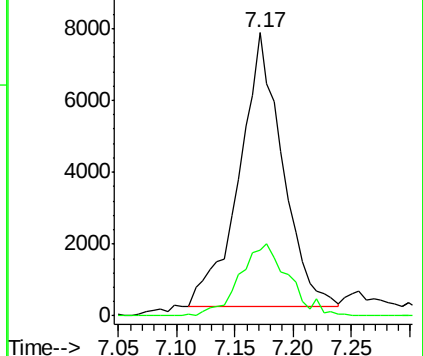
43 100

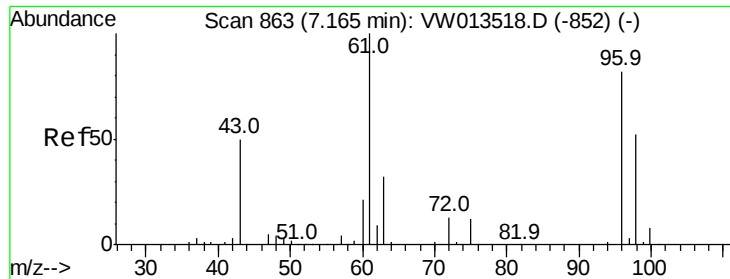
72 28.4 13.5 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

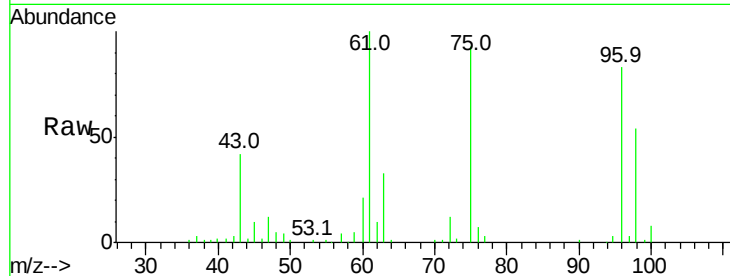
Ion 72.00 (71.70 to 72.70): VW



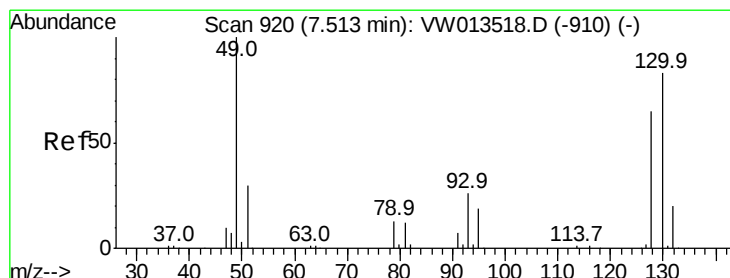
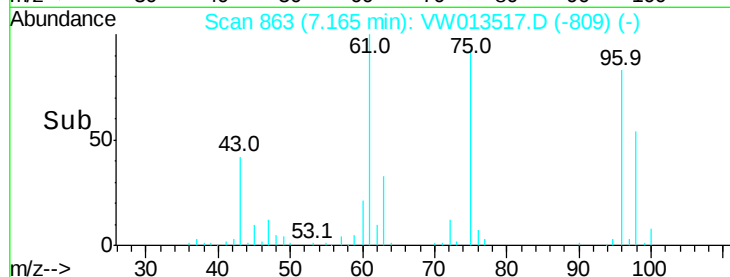
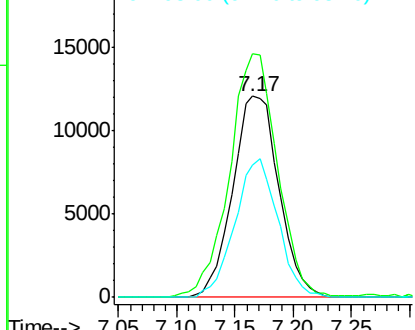


#22
 cis-1,2-Dichloroethene
 Concen: 4.789 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013517.D
 Acq: 10 Oct 2019 11:40

Tgt Ion: 96 Resp: 33333
 Ion Ratio Lower Upper
 96 100
 61 121.0 86.0 159.8
 98 65.6 44.4 82.5

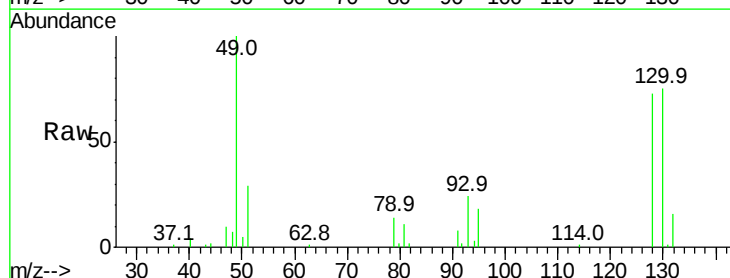


Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW

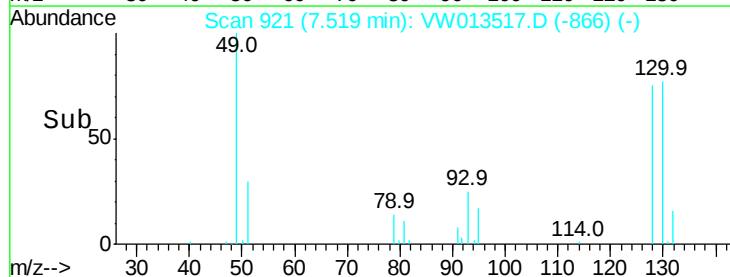
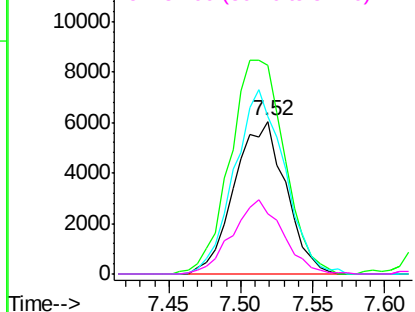


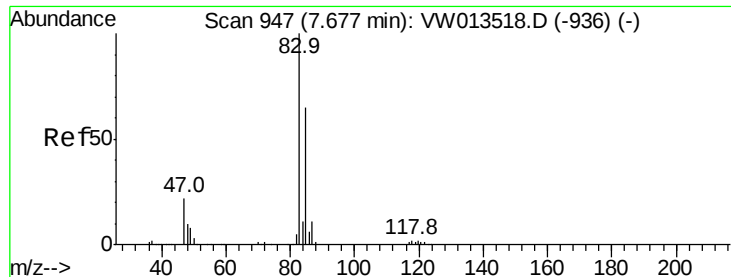
#23
 Bromochloromethane
 Concen: 4.759 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW013517.D
 Acq: 10 Oct 2019 11:40

Tgt Ion: 128 Resp: 14905
 Ion Ratio Lower Upper
 128 100
 49 137.0 108.0 200.6
 130 102.7 89.4 166.0
 51 39.8 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: 4.677 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW013517.D

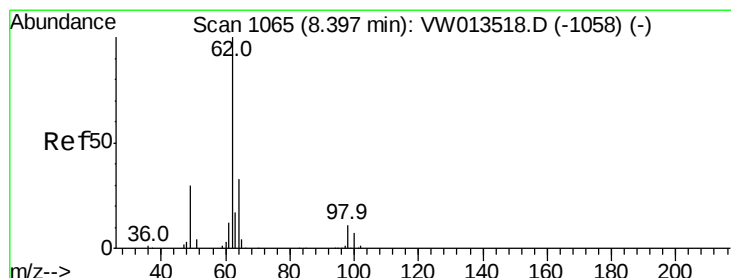
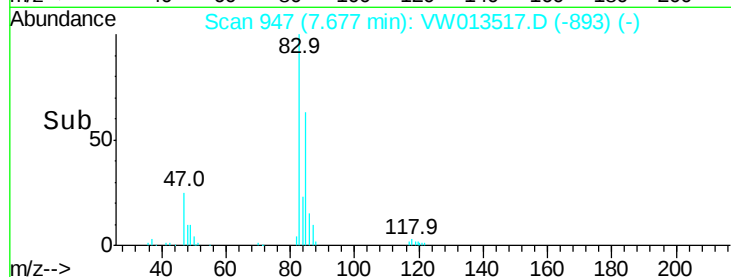
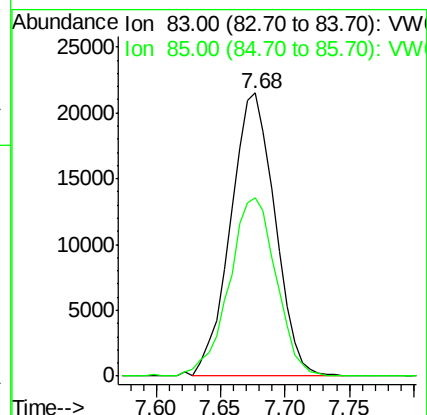
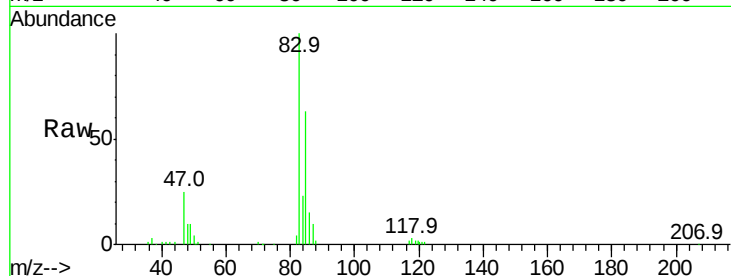
Acq: 10 Oct 2019 11:40

Tgt Ion: 83 Resp: 51497

Ion Ratio Lower Upper

83 100

85 66.7 46.1 85.5



#27

1,2-Dichloroethane

Concen: 4.524 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013517.D

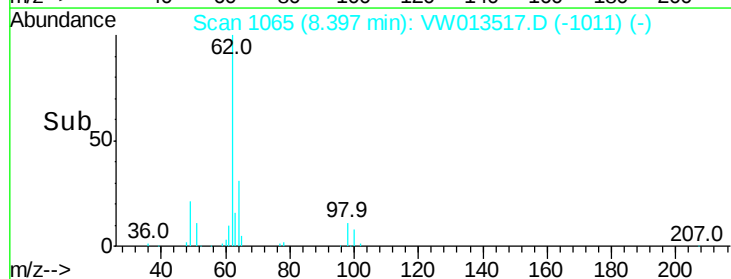
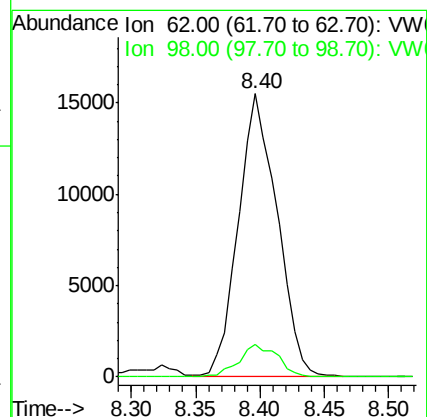
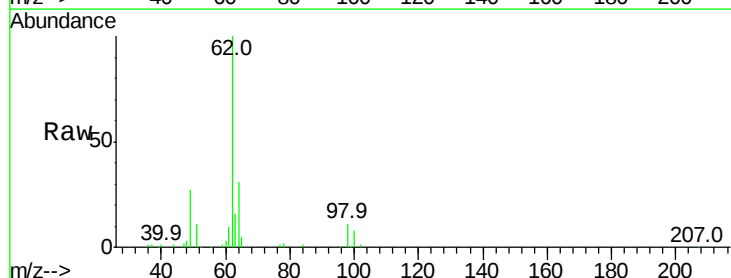
Acq: 10 Oct 2019 11:40

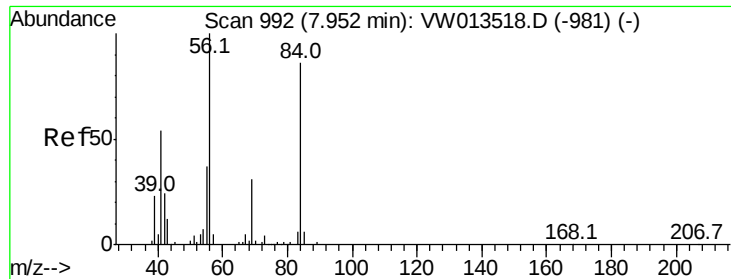
Tgt Ion: 62 Resp: 32623

Ion Ratio Lower Upper

62 100

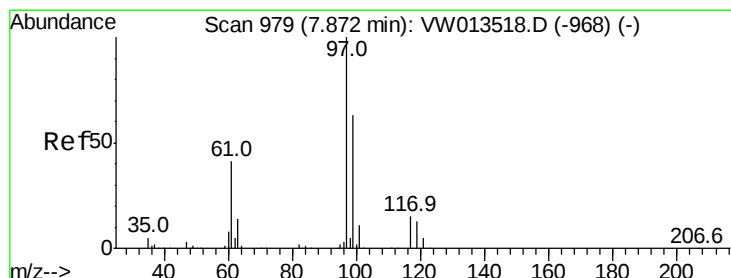
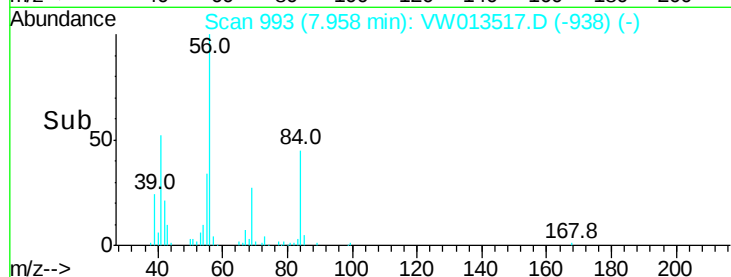
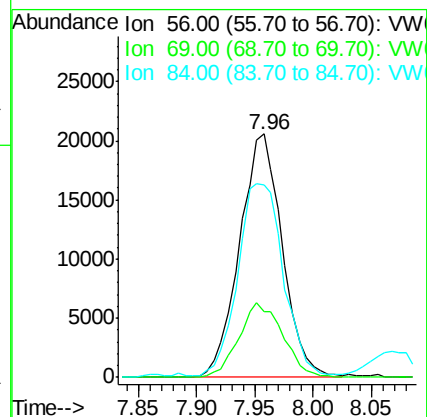
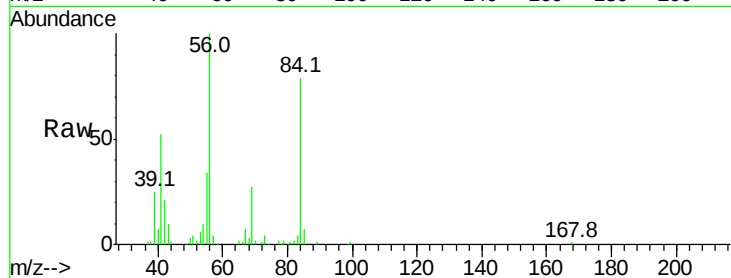
98 11.4 9.0 13.4





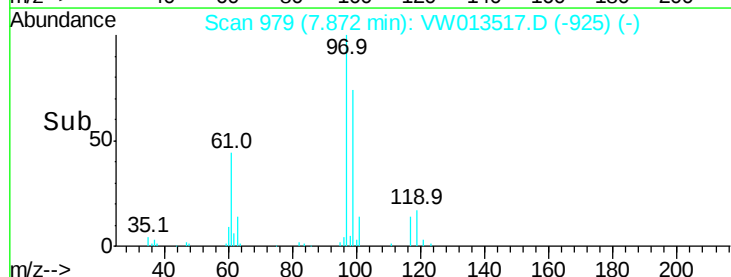
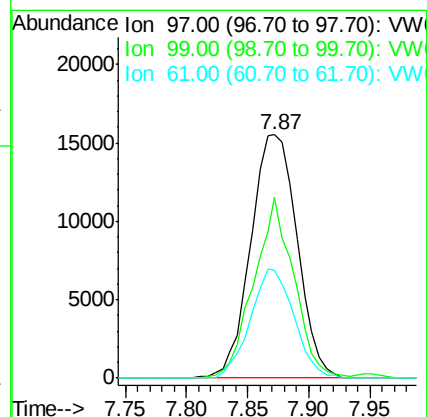
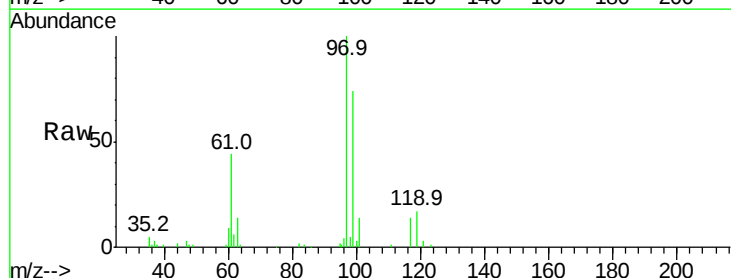
#30
Cyclohexane
Concen: 4.798 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW013517.D
Acq: 10 Oct 2019 11:40

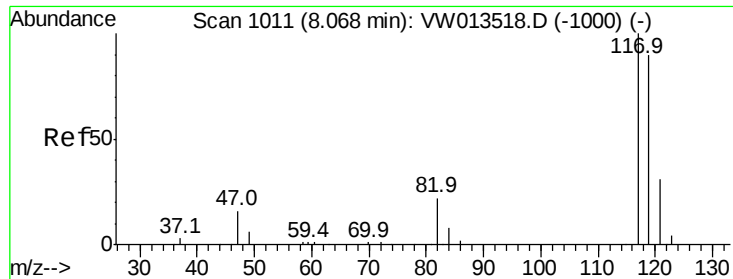
Tgt Ion: 56 Resp: 52341
Ion Ratio Lower Upper
56 100
69 31.5 24.7 37.1
84 85.7 70.4 105.6



#31
1,1,1-Trichloroethane
Concen: 4.713 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013517.D
Acq: 10 Oct 2019 11:40

Tgt Ion: 97 Resp: 41086
Ion Ratio Lower Upper
97 100
99 63.9 51.8 77.8
61 42.0 33.7 50.5





#32

Carbon tetrachloride

Concen: 4.450 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013517.D

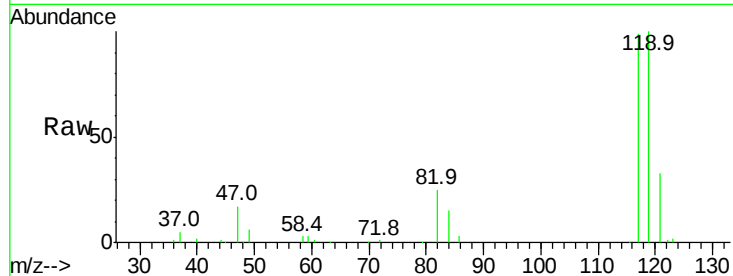
Acq: 10 Oct 2019 11:40

Tgt Ion: 117 Resp: 36991

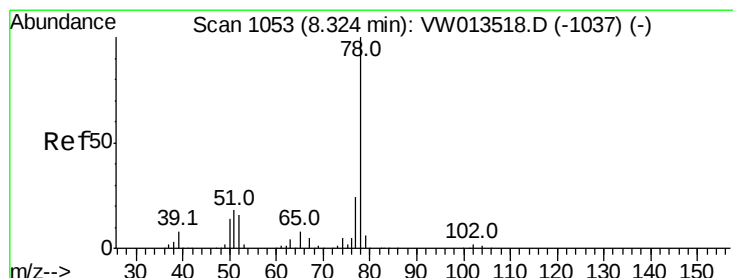
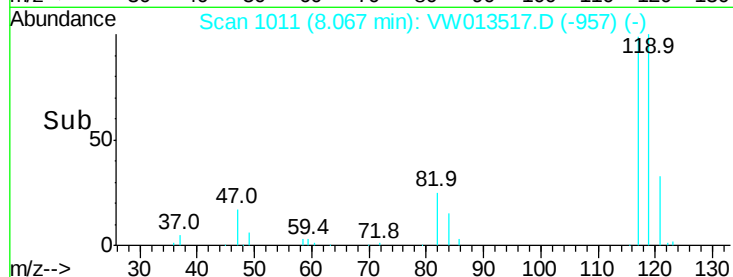
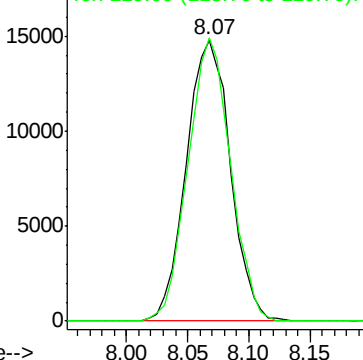
Ion Ratio Lower Upper

117 100

119 97.2 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 4.860 ug/L

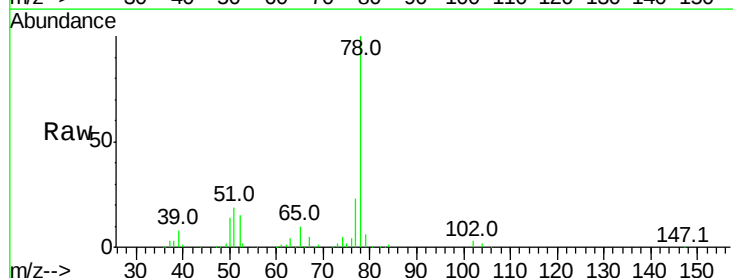
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

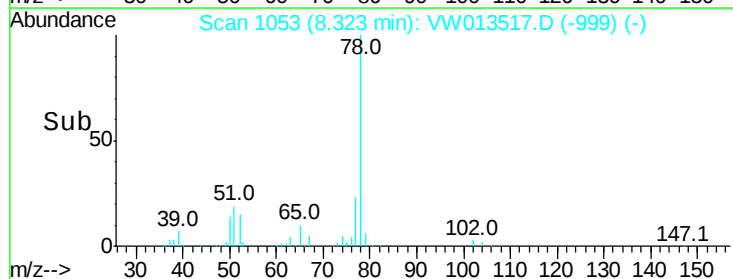
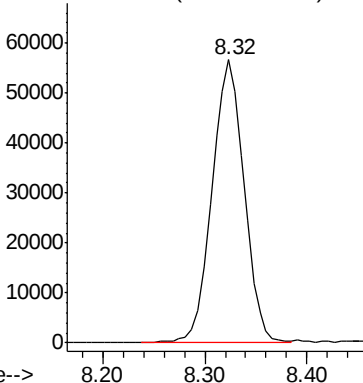
Lab File: VW013517.D

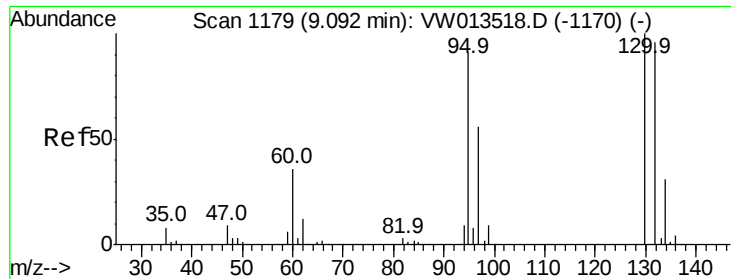
Acq: 10 Oct 2019 11:40

Tgt Ion: 78 Resp: 123745



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 4.578 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW013517.D

Acq: 10 Oct 2019 11:40

Tgt Ion: 95 Resp: 30627

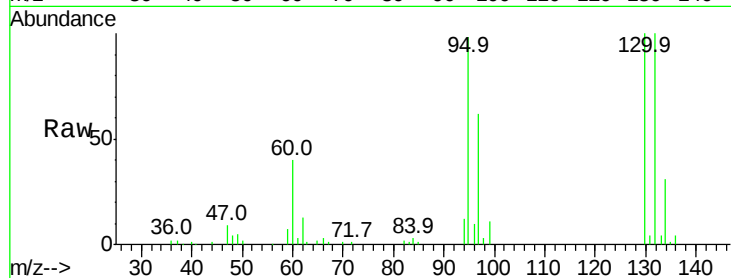
Ion Ratio Lower Upper

95 100

97 66.7 45.1 83.7

132 108.9 73.6 136.8

130 109.1 76.3 141.7

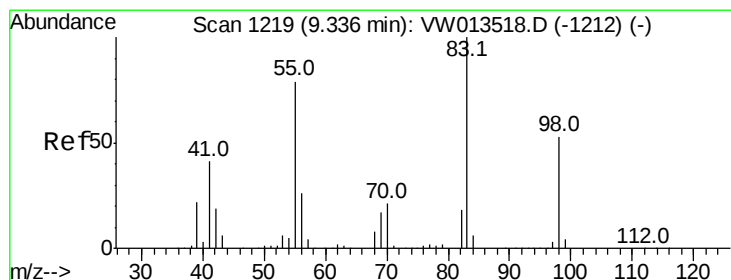
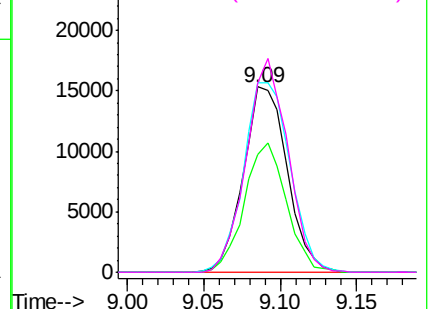
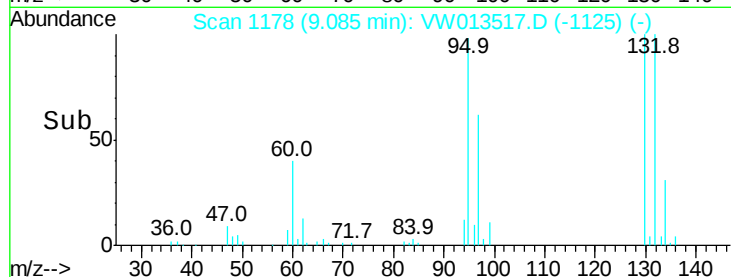


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 4.746 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW013517.D

Acq: 10 Oct 2019 11:40

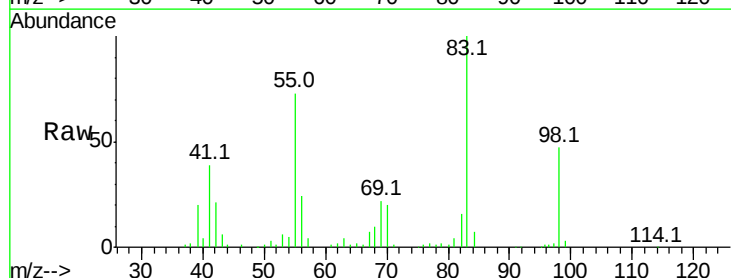
Tgt Ion: 83 Resp: 56560

Ion Ratio Lower Upper

83 100

55 77.2 60.4 90.6

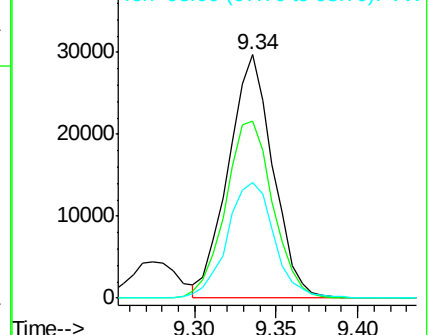
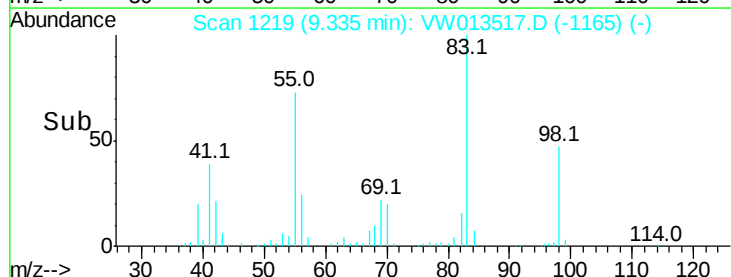
98 50.1 39.3 58.9

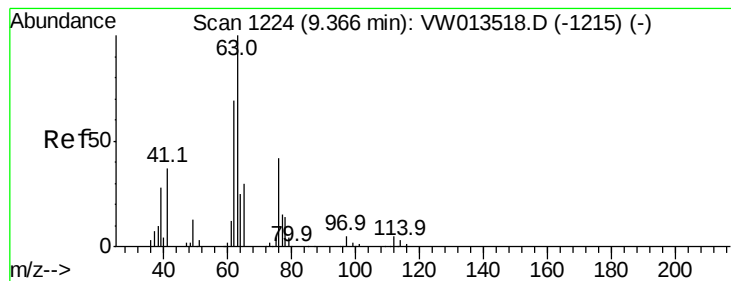


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 4.768 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW013517.D

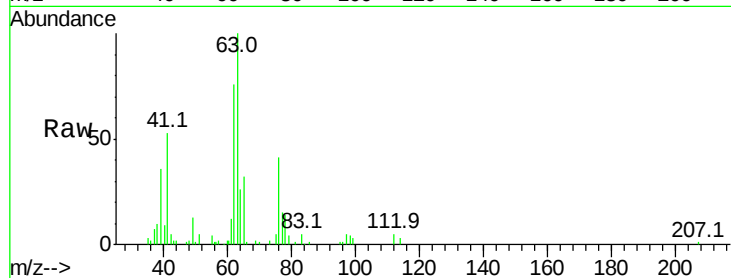
Acq: 10 Oct 2019 11:40

Tgt Ion: 63 Resp: 29870

Ion Ratio Lower Upper

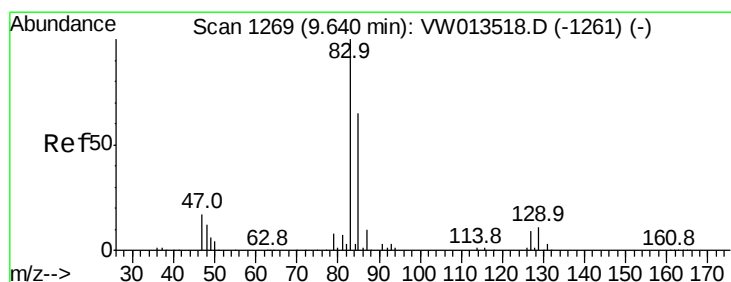
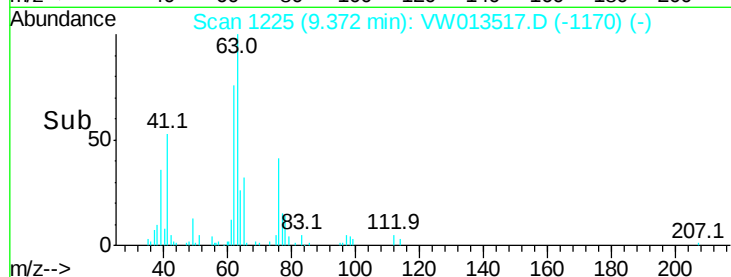
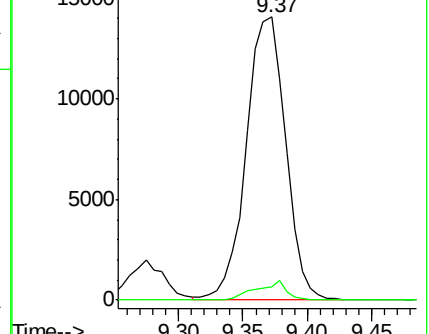
63 100

112 5.2 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: 4.666 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013517.D

Acq: 10 Oct 2019 11:40

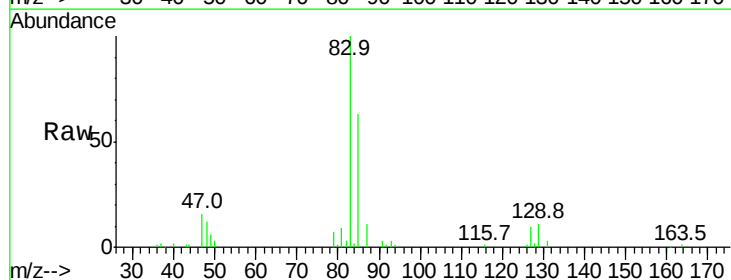
Tgt Ion: 83 Resp: 35866

Ion Ratio Lower Upper

83 100

85 63.2 45.1 83.9

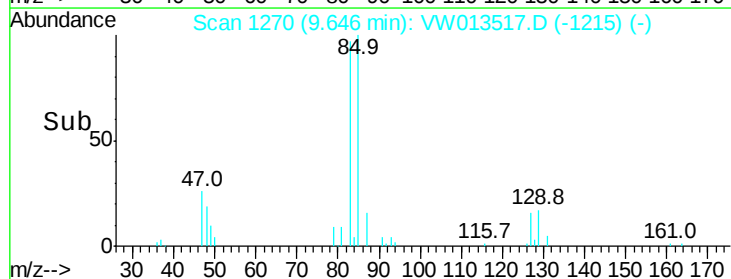
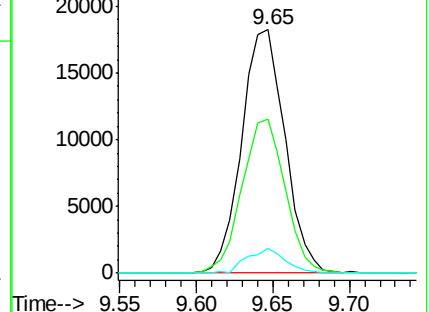
127 9.9 7.1 10.7

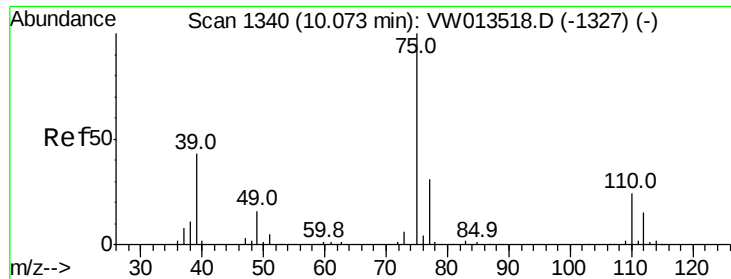


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

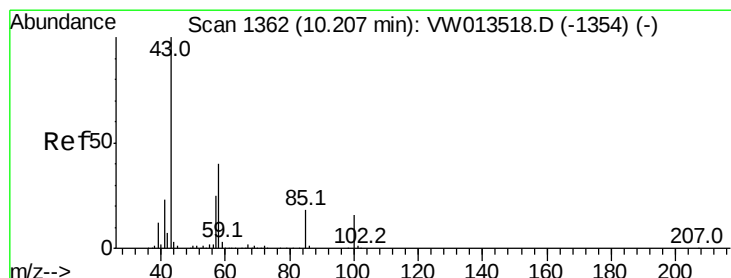
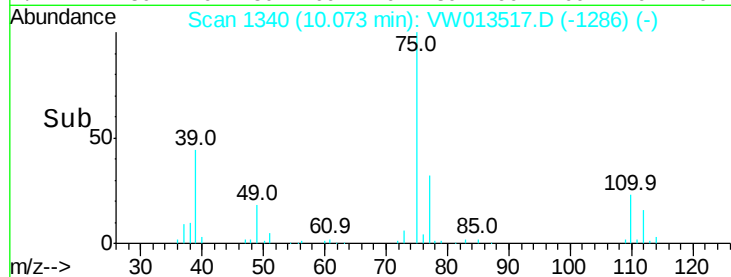
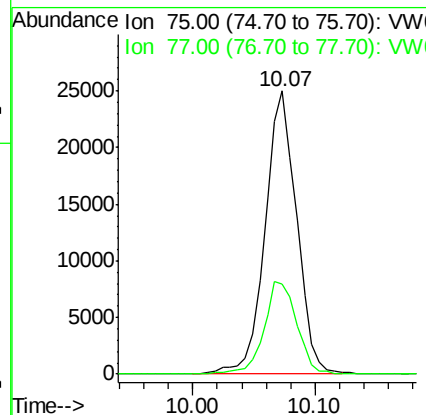
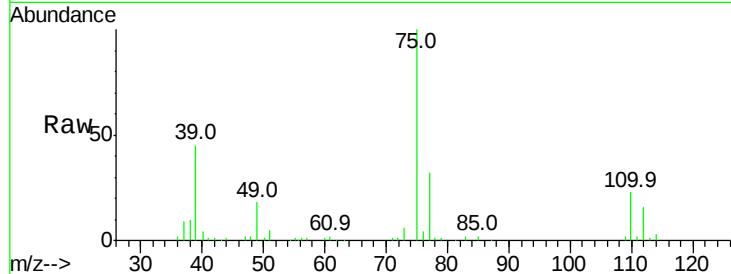




#42

cis-1,3-Dichloropropene
 Concen: 4.482 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013517.D
 Acq: 10 Oct 2019 11:40

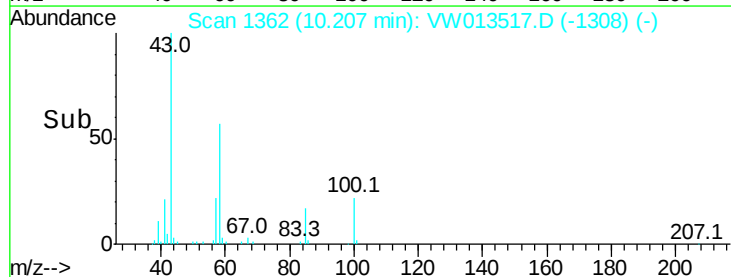
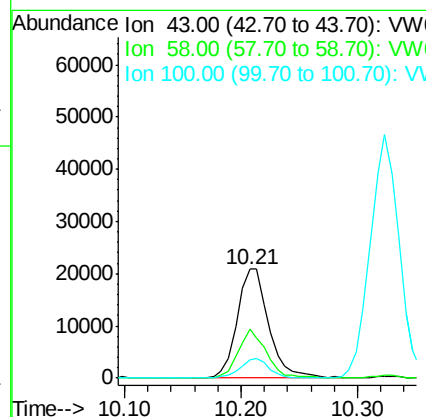
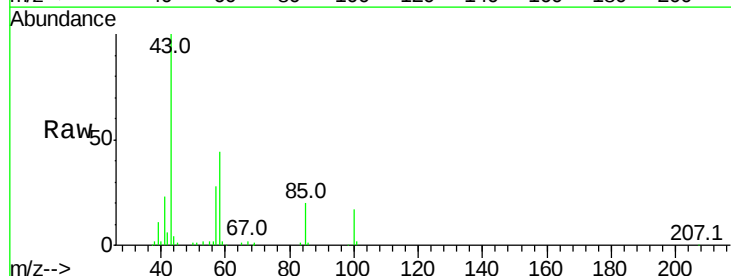
Tgt Ion: 75 Resp: 44852
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.6 40.2

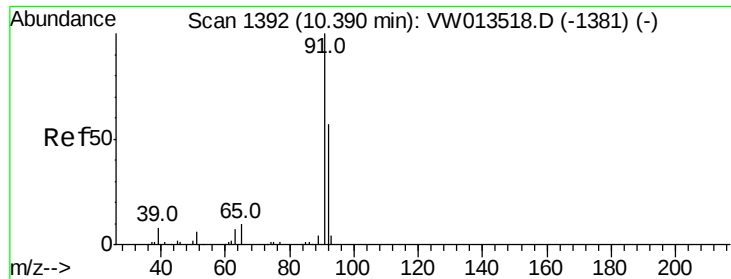


#43

4-Methyl-2-pentanone
 Concen: 8.268 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013517.D
 Acq: 10 Oct 2019 11:40

Tgt Ion: 43 Resp: 39650
 Ion Ratio Lower Upper
 43 100
 58 40.2 32.0 48.0
 100 16.6 13.7 20.5





#44

Toluene

Concen: 4.731 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW013517.D

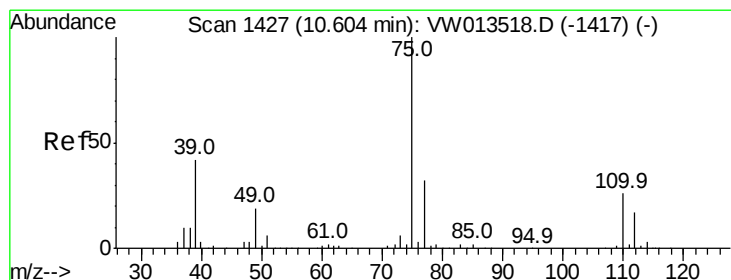
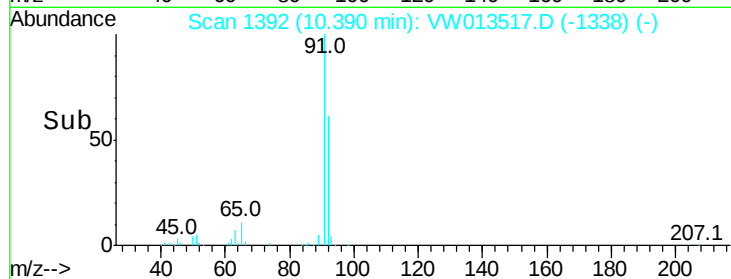
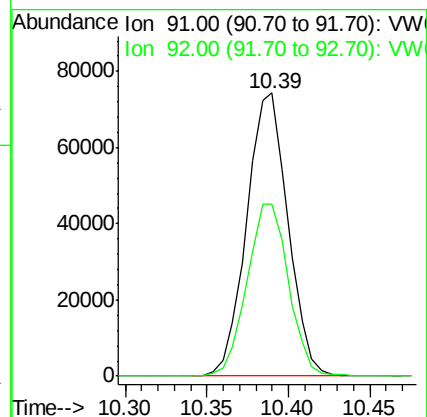
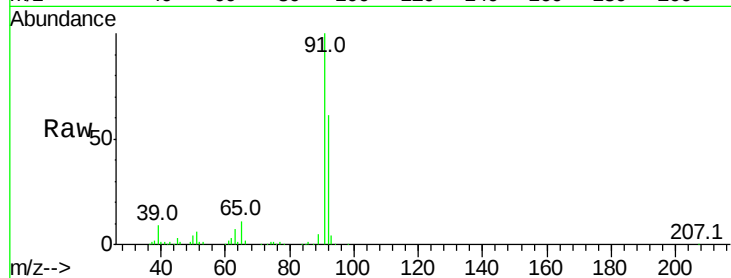
Acq: 10 Oct 2019 11:40

Tgt Ion: 91 Resp: 131150

Ion Ratio Lower Upper

91 100

92 60.8 40.0 74.4



#45

trans-1,3-Dichloropropene

Concen: 4.501 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013517.D

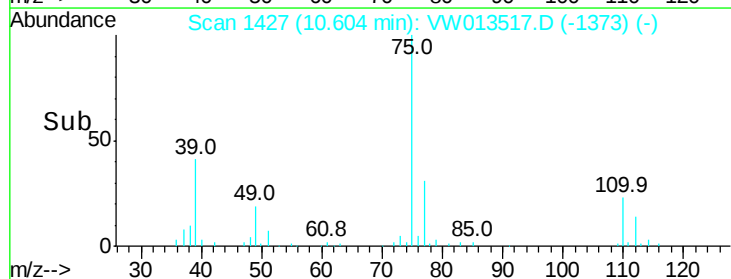
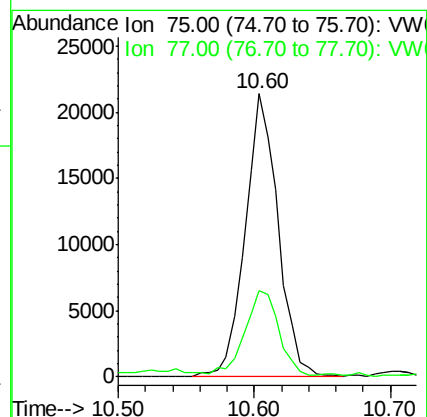
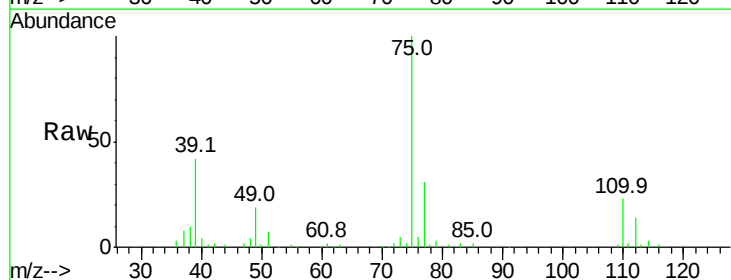
Acq: 10 Oct 2019 11:40

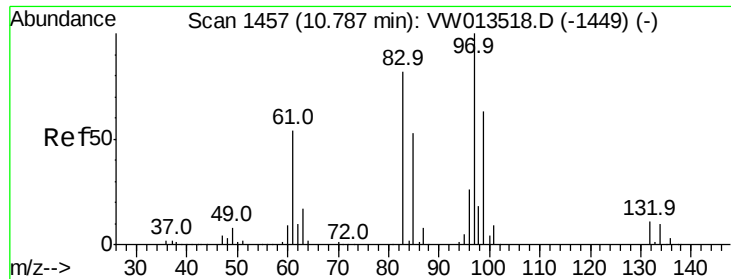
Tgt Ion: 75 Resp: 36205

Ion Ratio Lower Upper

75 100

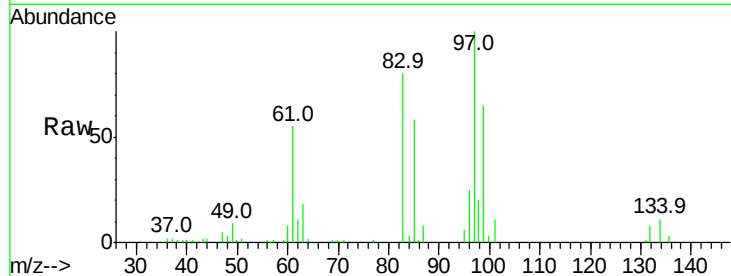
77 30.5 23.0 42.6



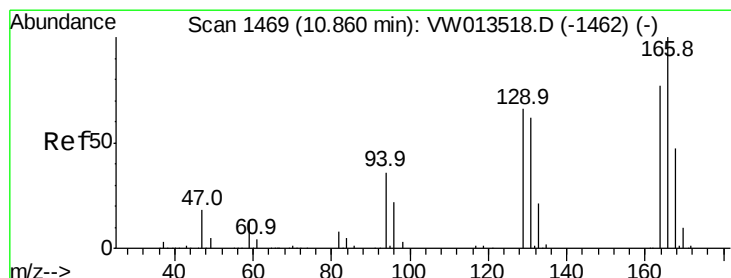
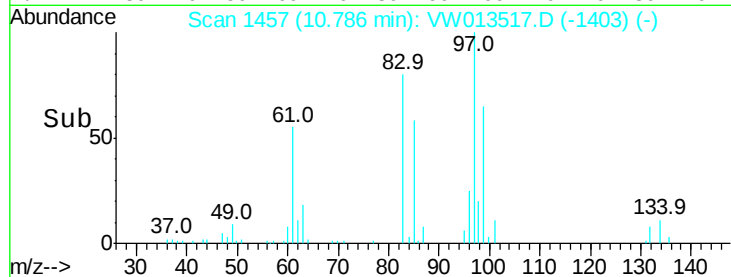
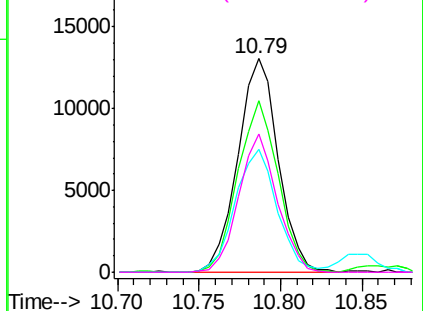


#46
1,1,2-Trichloroethane
Concen: 4.600 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW013517.D
Acq: 10 Oct 2019 11:40

Tgt Ion:	97	Resp:	22580
Ion	Ratio	Lower	Upper
97	100		
83	80.2	57.5	106.9
85	57.6	36.8	68.4
99	64.8	44.0	81.6

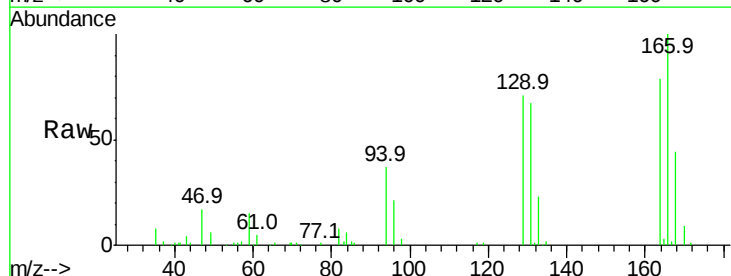


Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 99.00 (98.70 to 99.70): VW

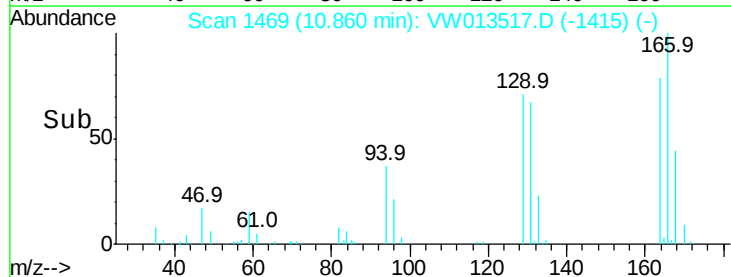
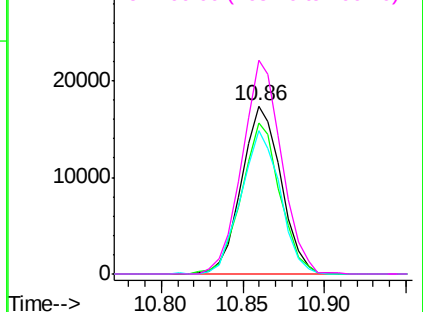


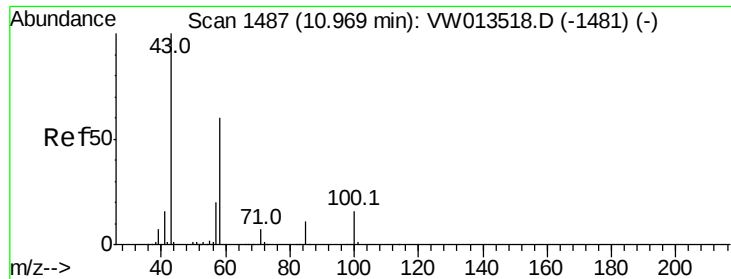
#47
Tetrachloroethene
Concen: 4.846 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013517.D
Acq: 10 Oct 2019 11:40

Tgt Ion:	164	Resp:	29168
Ion	Ratio	Lower	Upper
164	100		
129	89.8	60.2	111.8
131	85.2	57.0	105.9
166	126.9	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

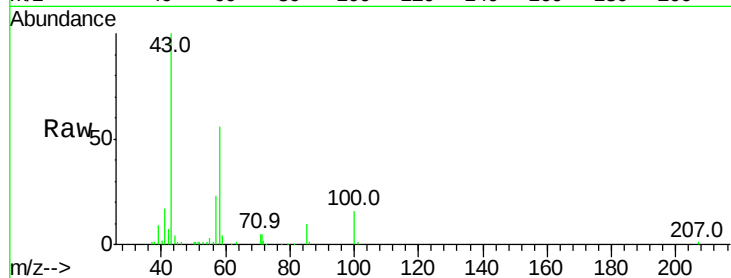




#49
2-Hexanone
Concen: 7.395 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013517.D
Acq: 10 Oct 2019 11:40

Tgt Ion: 43 Resp: 25492

Ion	Ratio	Lower	Upper
43	100		
58	58.4	45.2	67.8
57	20.9	15.8	23.8
100	14.5	11.0	16.6

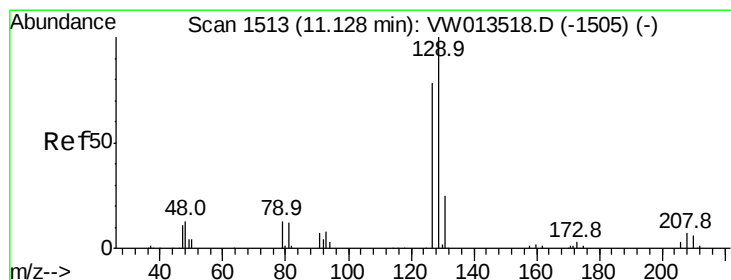
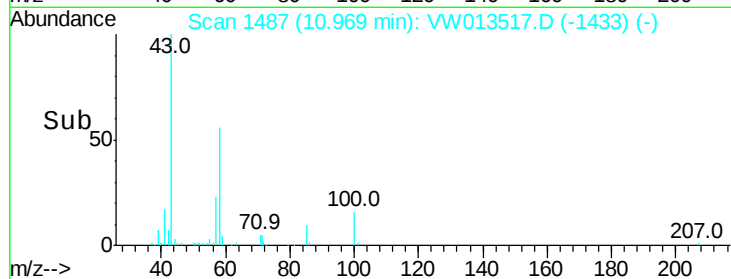
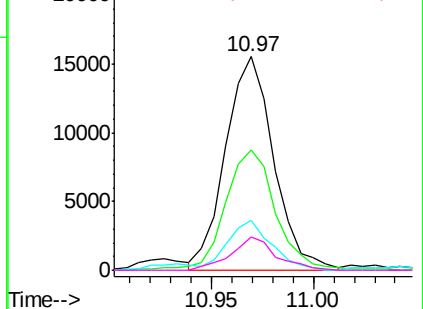


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

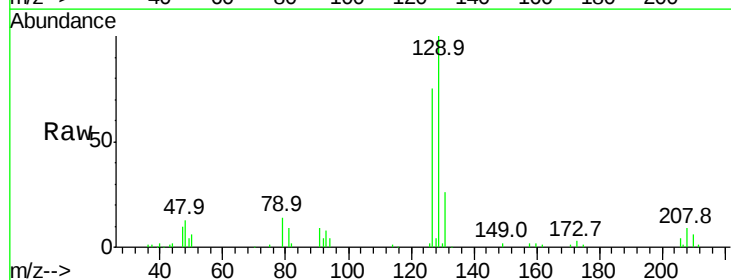
Ion 100.00 (99.70 to 100.70): VW



#50
Dibromochloromethane
Concen: 4.549 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013517.D
Acq: 10 Oct 2019 11:40

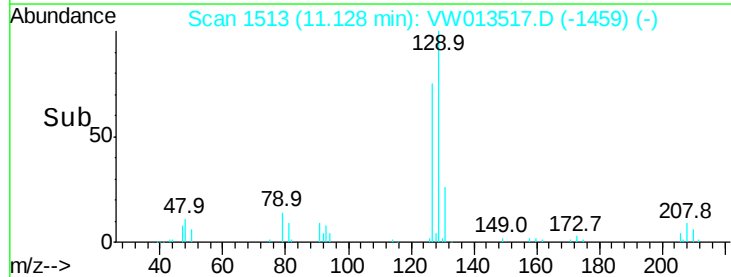
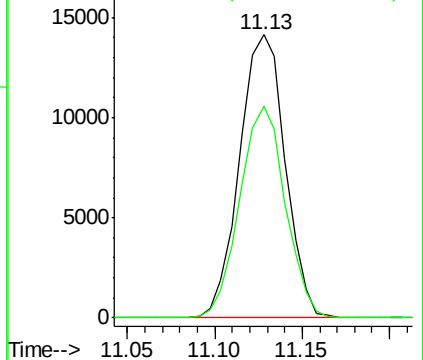
Tgt Ion: 129 Resp: 25612

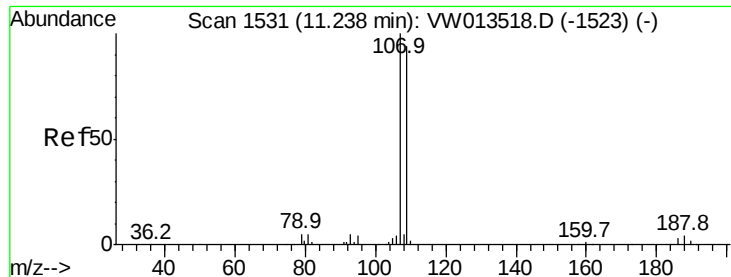
Ion	Ratio	Lower	Upper
129	100		
127	74.7	54.7	101.5



Abundance Ion 129.00 (128.70 to 129.70): V

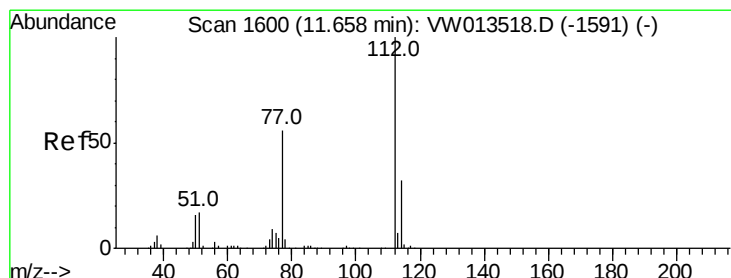
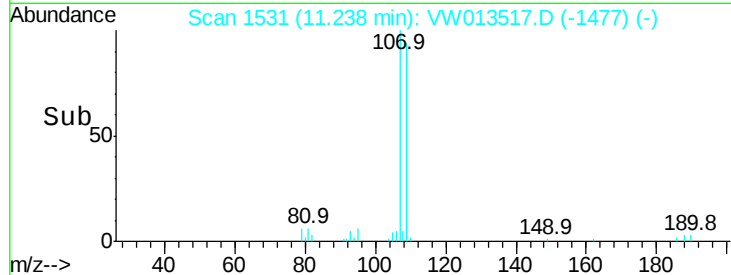
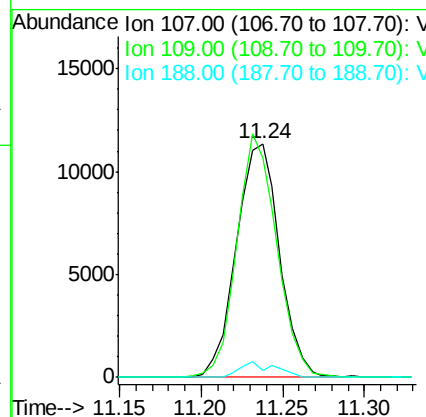
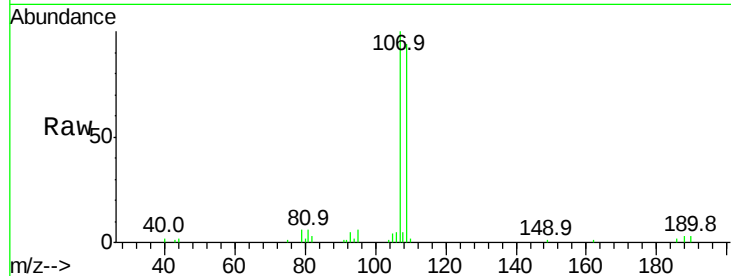
Ion 127.00 (126.70 to 127.70): V





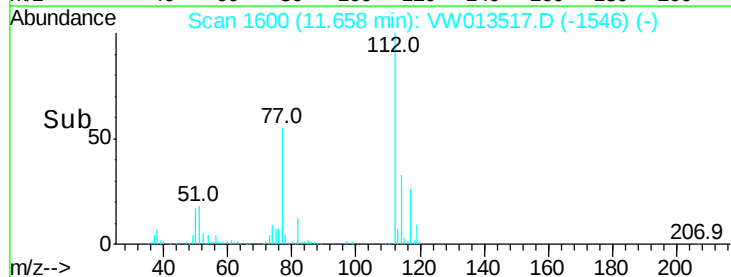
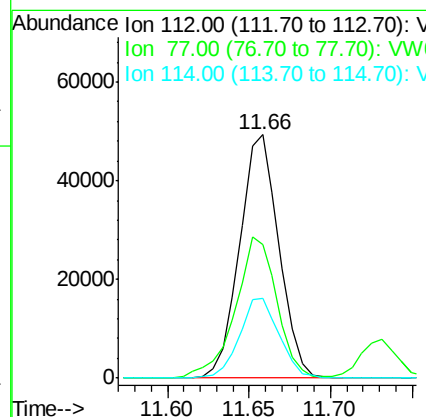
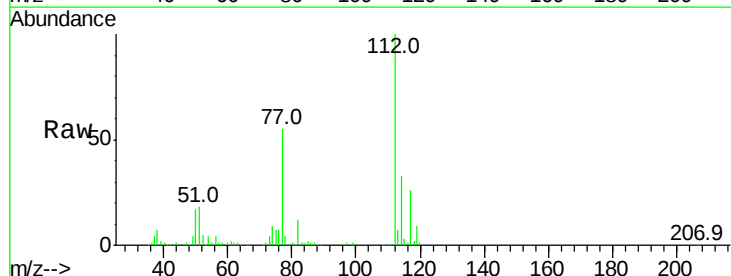
#51
 1,2-Dibromoethane
 Concen: 4.330 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW013517.D
 Acq: 10 Oct 2019 11:40

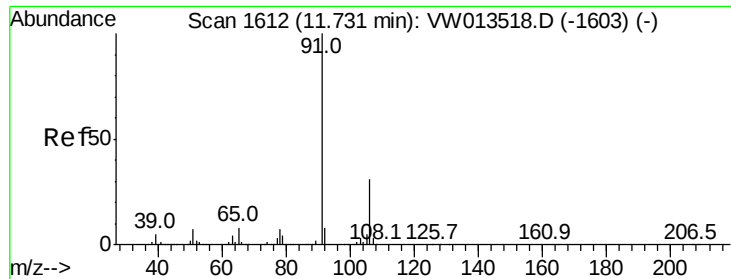
Tgt Ion:107 Resp: 20879
 Ion Ratio Lower Upper
 107 100
 109 94.0 65.5 121.7
 188 3.2 3.6 5.4#



#52
 Chlorobenzene
 Concen: 4.740 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW013517.D
 Acq: 10 Oct 2019 11:40

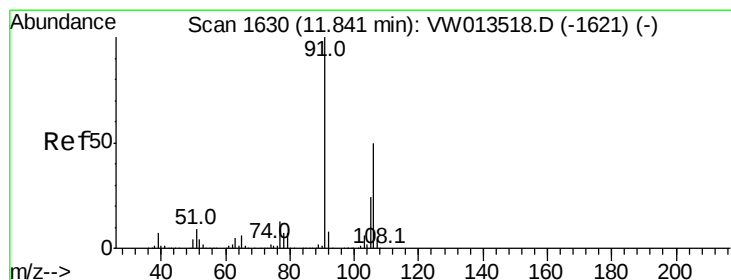
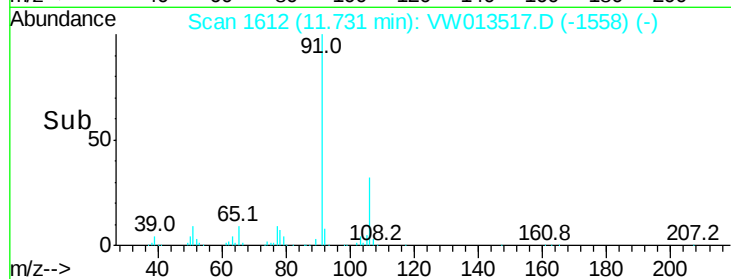
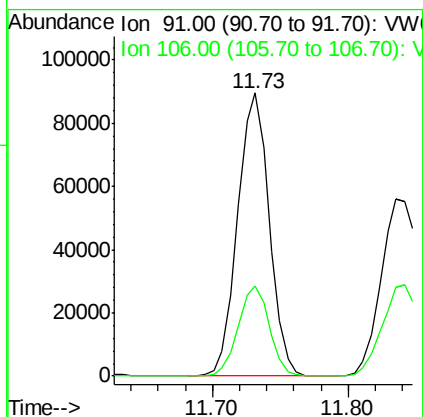
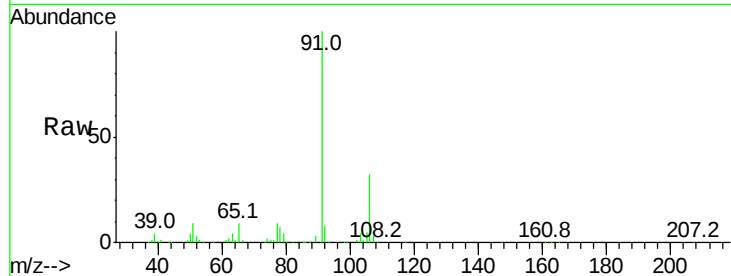
Tgt Ion:112 Resp: 82809
 Ion Ratio Lower Upper
 112 100
 77 55.0 44.5 66.7
 114 32.7 22.7 42.3





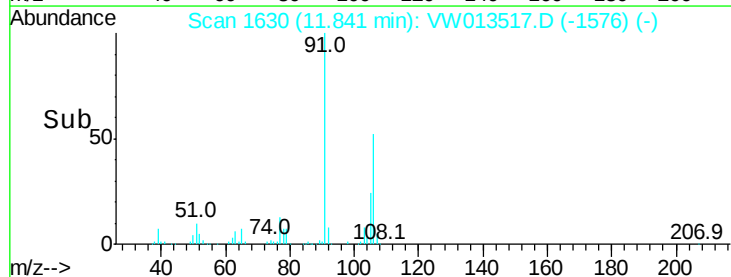
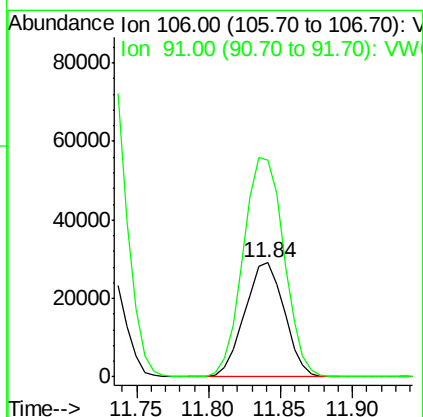
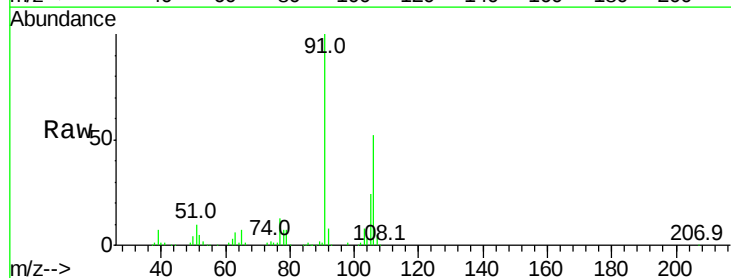
#53
Ethylbenzene
Concen: 4.730 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013517.D
Acq: 10 Oct 2019 11:40

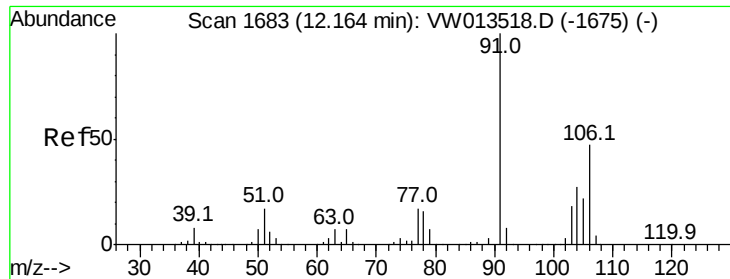
Tgt Ion: 91 Resp: 145359
Ion Ratio Lower Upper
91 100
106 31.6 21.5 39.9



#54
m,p-Xylene
Concen: 4.731 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013517.D
Acq: 10 Oct 2019 11:40

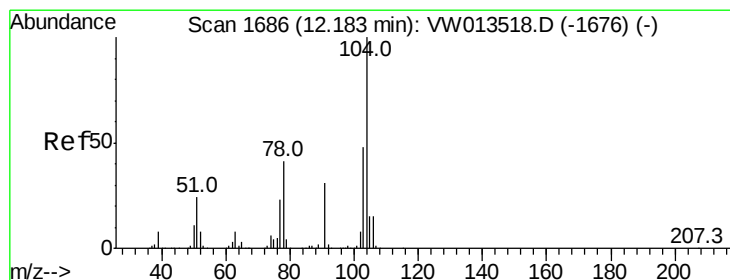
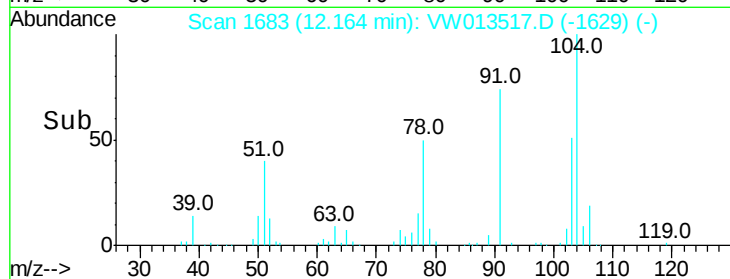
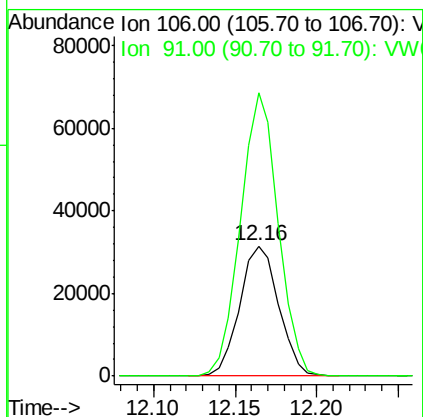
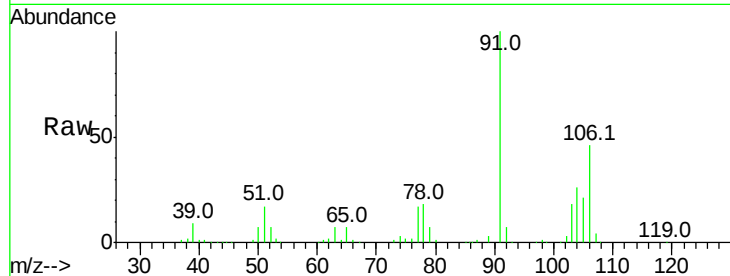
Tgt Ion: 106 Resp: 55819
Ion Ratio Lower Upper
106 100
91 190.5 139.4 258.8





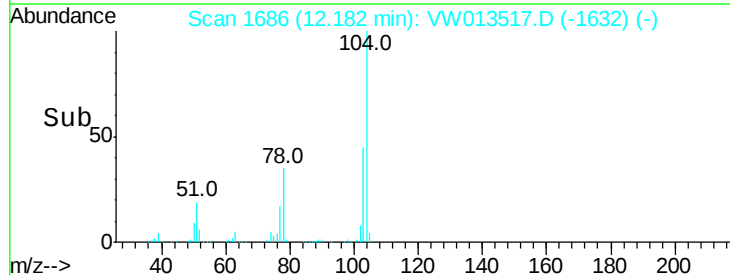
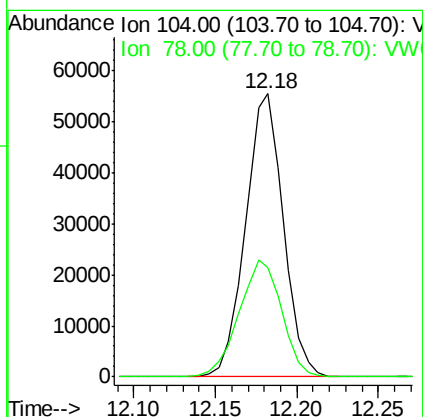
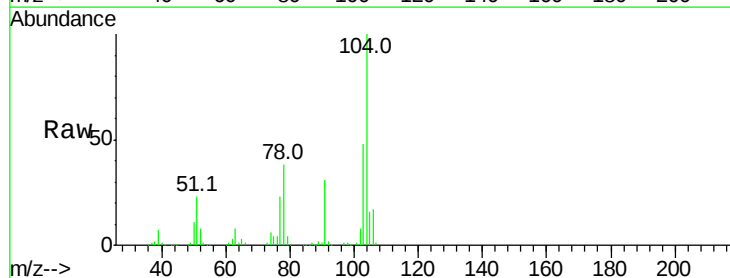
#55
o-xylene
Concen: 4.706 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013517.D
Acq: 10 Oct 2019 11:40

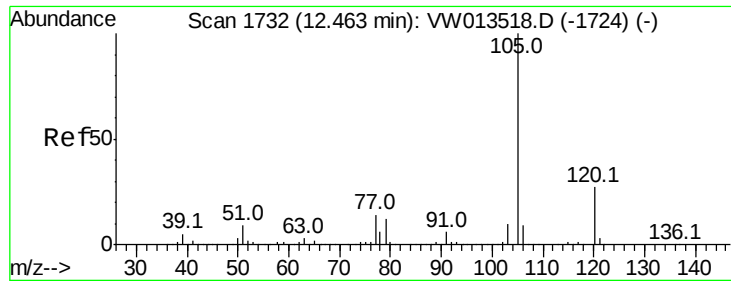
Tgt Ion:106 Resp: 52405
Ion Ratio Lower Upper
106 100
91 217.2 148.4 275.6



#56
Styrene
Concen: 4.678 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013517.D
Acq: 10 Oct 2019 11:40

Tgt Ion:104 Resp: 89314
Ion Ratio Lower Upper
104 100
78 38.4 28.4 52.8





#57

Isopropylbenzene

Concen: 4.833 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013517.D

Acq: 10 Oct 2019 11:40

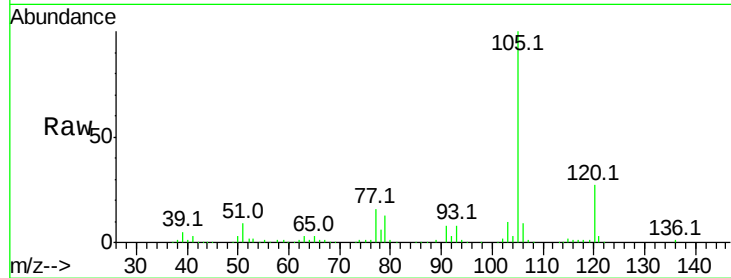
Tgt Ion: 105 Resp: 145509

Ion Ratio Lower Upper

105 100

120 26.5 21.7 32.5

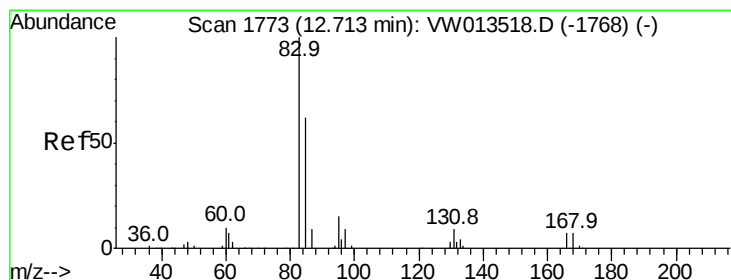
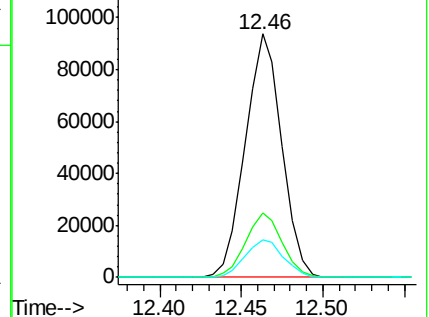
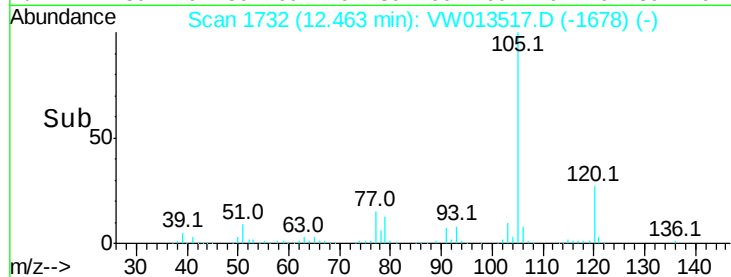
77 16.4 11.8 17.6



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: 4.320 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013517.D

Acq: 10 Oct 2019 11:40

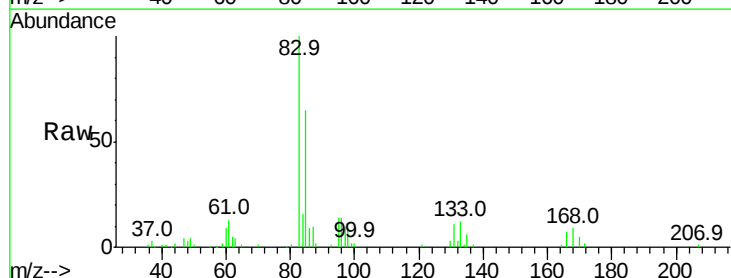
Tgt Ion: 83 Resp: 26126

Ion Ratio Lower Upper

83 100

85 65.3 44.7 83.1

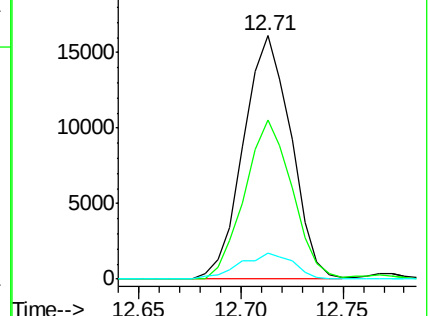
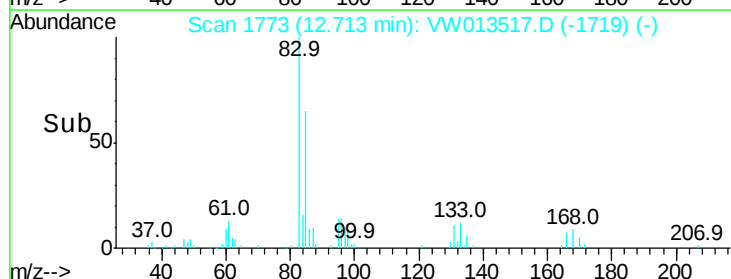
131 10.5 7.8 11.6

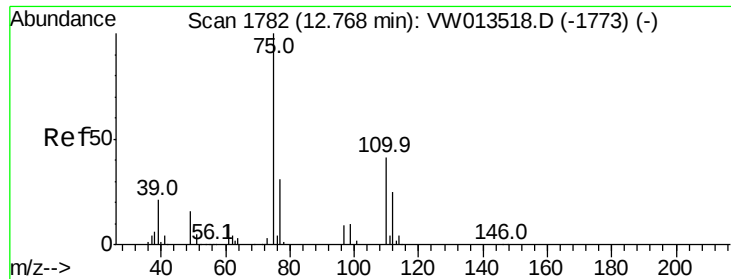


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

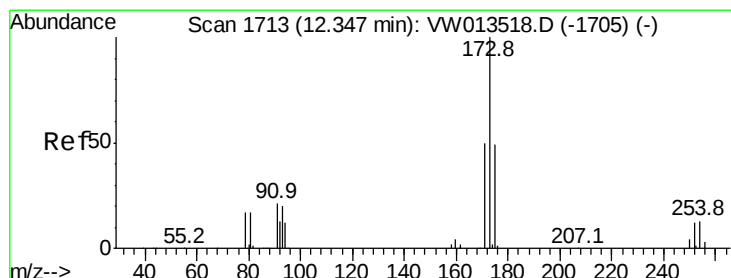
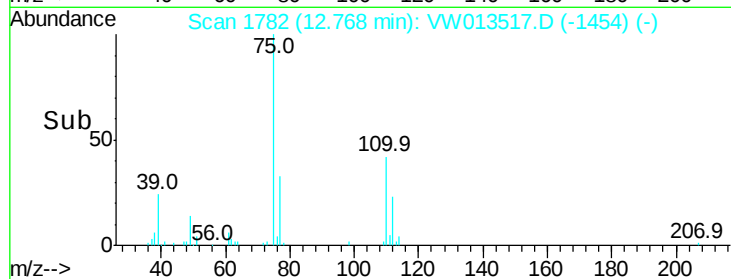
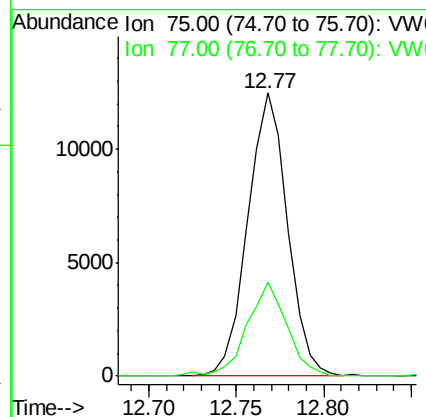
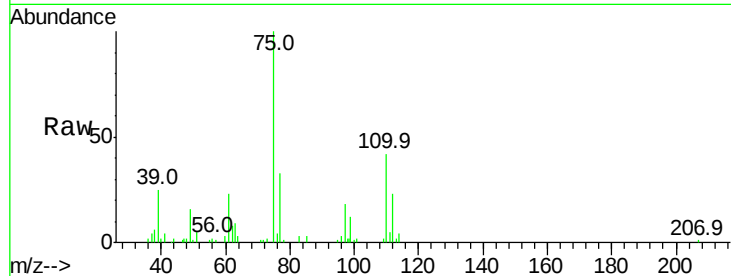
Ion 131.00 (130.70 to 131.70): V





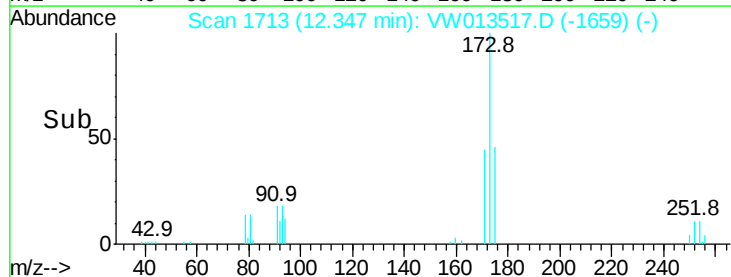
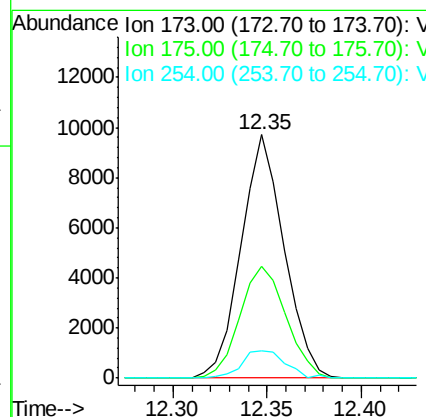
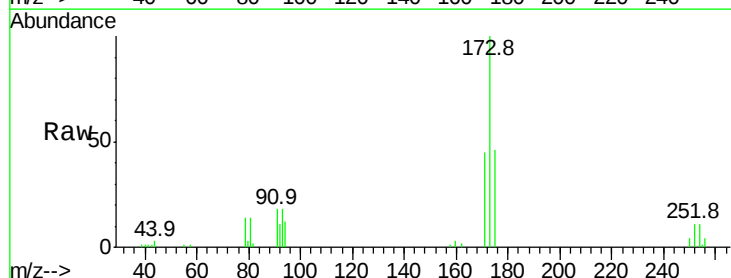
#59
 1,2,3-Trichloropropane
 Concen: 4.350 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013517.D
 Acq: 10 Oct 2019 11:40

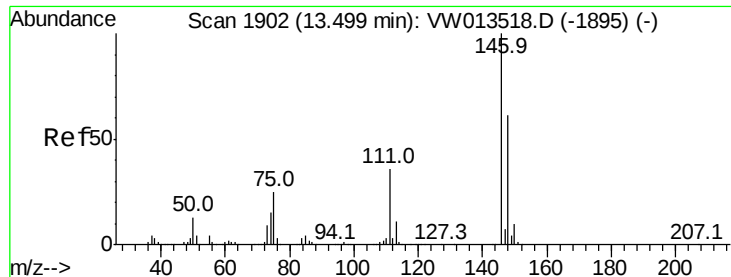
Tgt Ion: 75 Resp: 19629
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.5 38.3



#62
 Bromoform
 Concen: 4.377 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013517.D
 Acq: 10 Oct 2019 11:40

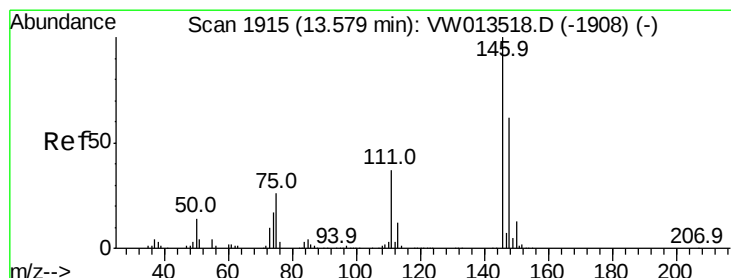
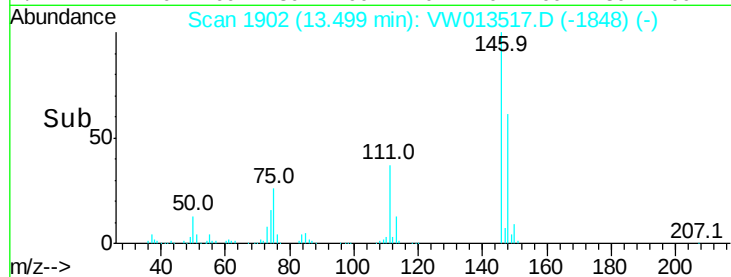
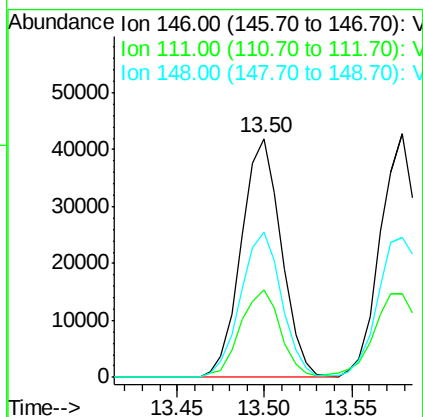
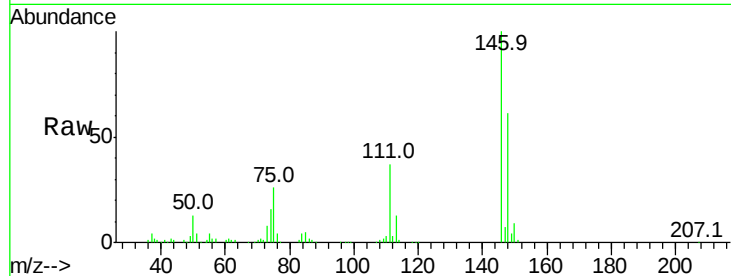
Tgt Ion: 173 Resp: 15360
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.0 58.6
 254 11.2 10.1 15.1





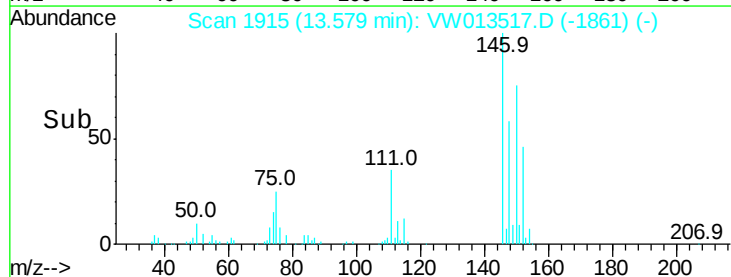
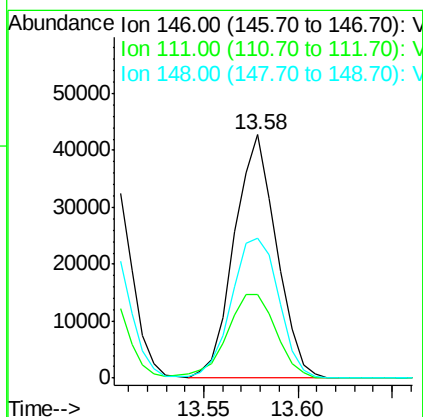
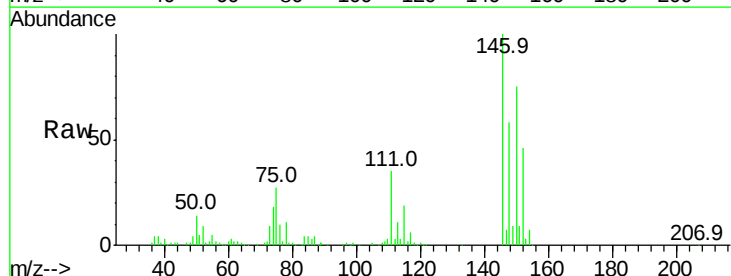
#63
 1,3-Dichlorobenzene
 Concen: 4.896 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013517.D
 Acq: 10 Oct 2019 11:40

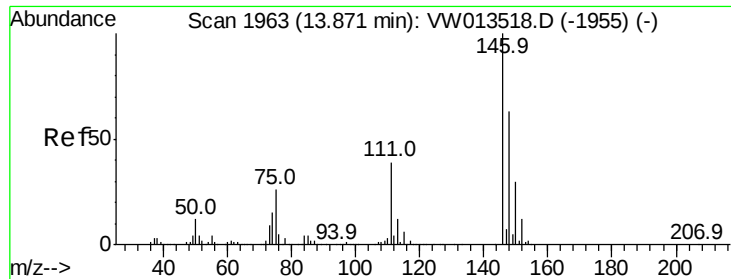
Tgt Ion:146 Resp: 66834
 Ion Ratio Lower Upper
 146 100
 111 36.5 25.3 46.9
 148 60.6 42.8 79.4



#64
 1,4-Dichlorobenzene
 Concen: 4.796 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013517.D
 Acq: 10 Oct 2019 11:40

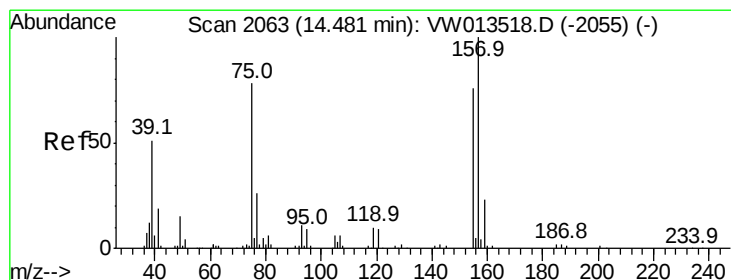
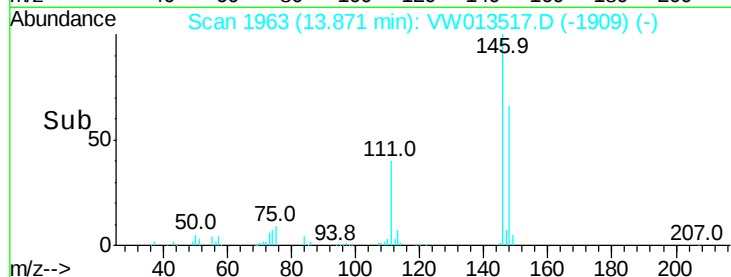
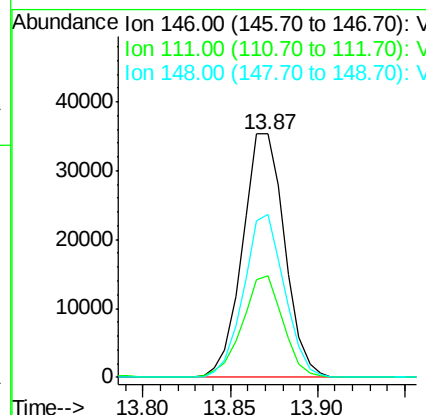
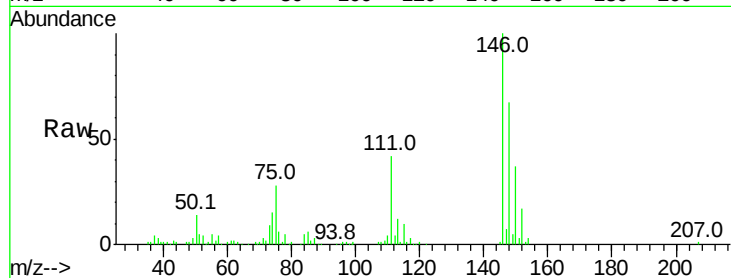
Tgt Ion:146 Resp: 66157
 Ion Ratio Lower Upper
 146 100
 111 34.6 25.8 47.8
 148 57.5 43.7 81.1





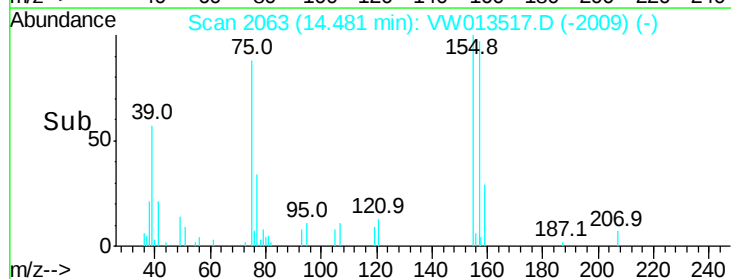
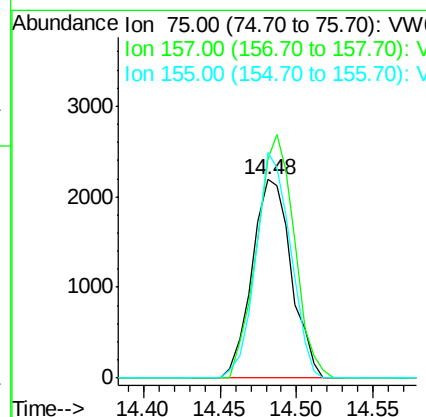
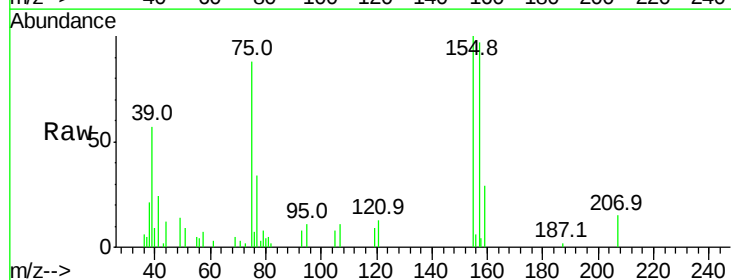
#65
 1,2-Dichlorobenzene
 Concen: 4.790 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013517.D
 Acq: 10 Oct 2019 11:40

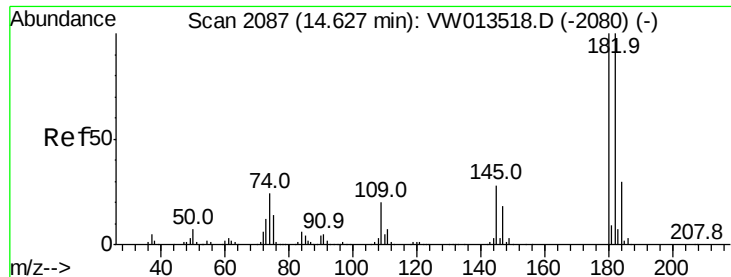
Tgt Ion: 146 Resp: 59492
 Ion Ratio Lower Upper
 146 100
 111 41.9 31.0 46.4
 148 67.2 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.996 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013517.D
 Acq: 10 Oct 2019 11:40

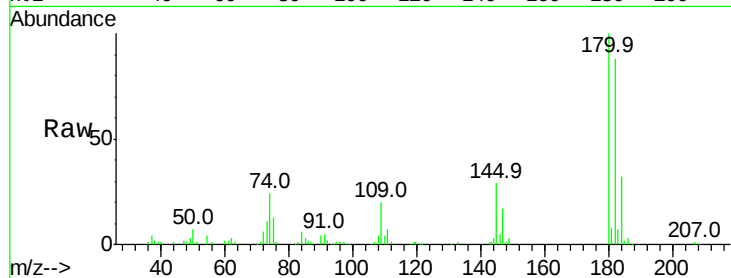
Tgt Ion: 75 Resp: 3909
 Ion Ratio Lower Upper
 75 100
 157 110.3 102.0 153.0
 155 113.7 77.6 116.4





#67
 1,3,5-Trichlorobenzene
 Concen: 4.541 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013517.D
 Acq: 10 Oct 2019 11:40

Tgt Ion:	180	Resp:	47726
Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.0	115.4
184	31.2	24.7	37.1
145	26.8	22.2	33.2

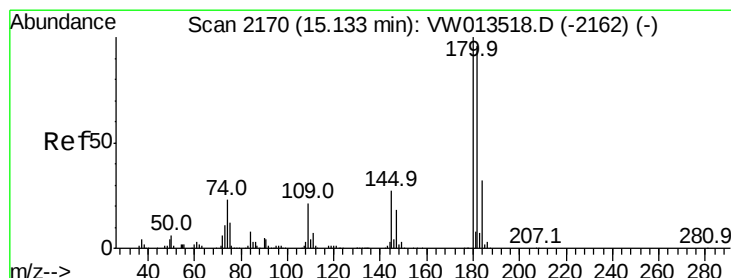
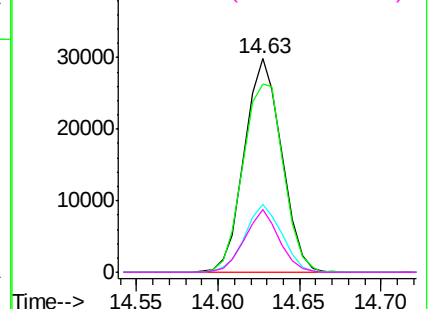
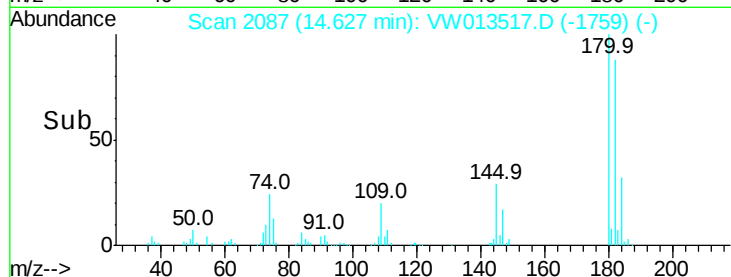


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

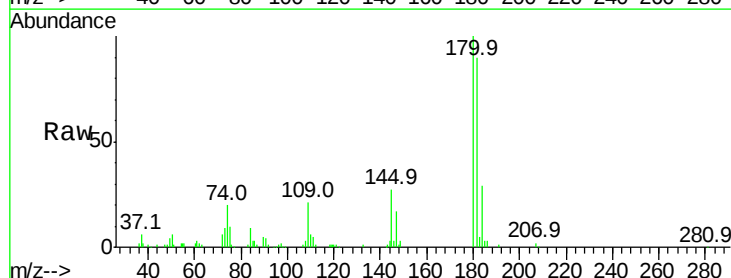
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.424 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013517.D
 Acq: 10 Oct 2019 11:40

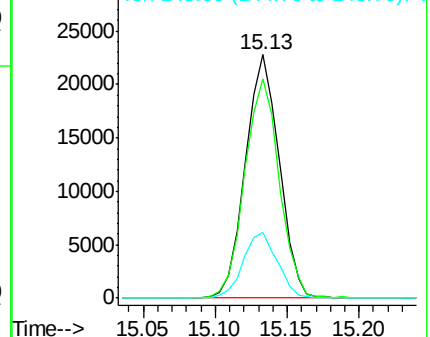
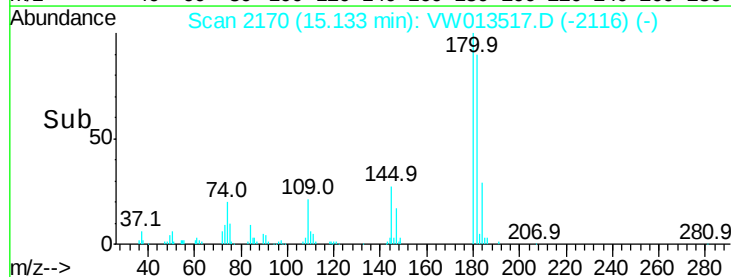
Tgt Ion:	180	Resp:	37115
Ion	Ratio	Lower	Upper
180	100		
182	91.5	78.2	117.2
145	27.2	22.8	34.2

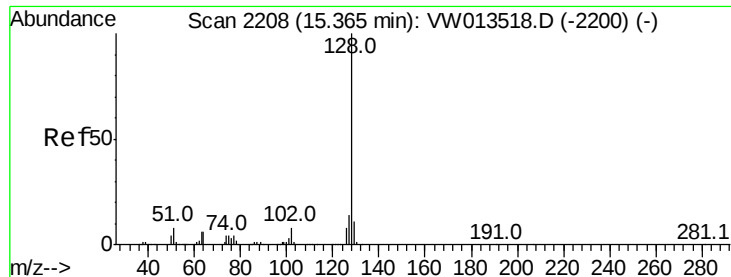


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

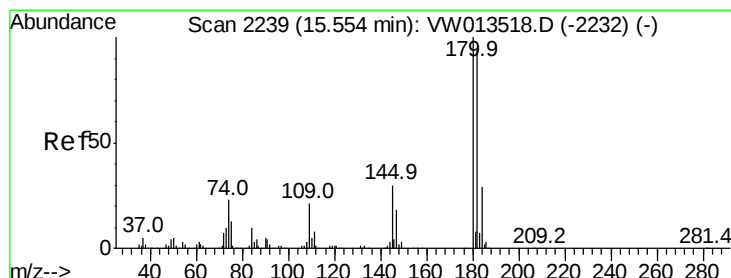
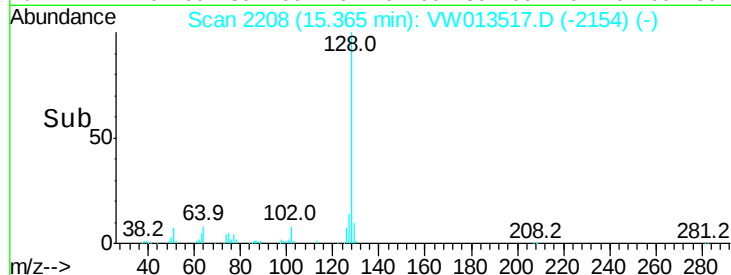
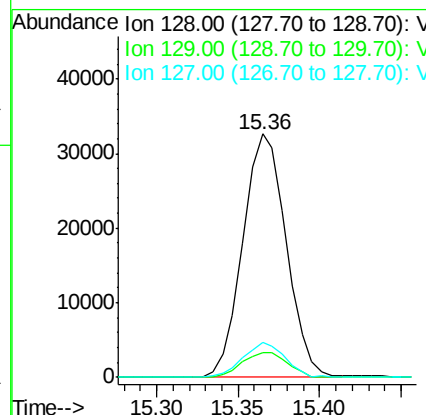
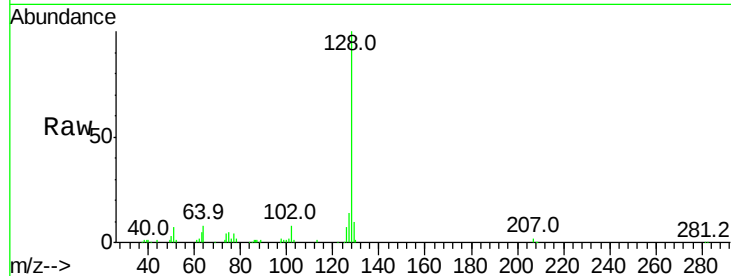
Ion 145.00 (144.70 to 145.70): V





#69
Naphthalene
Concen: 3.775 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013517.D
Acq: 10 Oct 2019 11:40

Tgt Ion:	128	Resp:	60507
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.5	12.7
127	13.7	10.4	15.6



#70
1,2,3-Trichlorobenzene
Concen: 4.377 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013517.D
Acq: 10 Oct 2019 11:40

Tgt Ion:	180	Resp:	33398
Ion	Ratio	Lower	Upper
180	100		
182	91.0	76.0	114.0
145	30.7	23.1	34.7

