

Data File : VW013522.D
Acq On : 10 Oct 2019 16:03
Operator : SY/VA
Sample : VSTD2.567
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 10 16:28:43 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	516298	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	447175	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	218321	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	14872	2.51	ug/L	0.00
7) Chloroethane-d5	2.89	69	11944	2.67	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	30126	2.49	ug/L	0.01
20) 2-Butanone-d5	7.09	46	7561	4.03	ug/L	0.01
24) Chloroform-d	7.65	84	29006	2.58	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	14854	2.56	ug/L	0.00
29) Benzene-d6	8.27	84	60709	2.51	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	18442	2.61	ug/L	0.00
37) Toluene-d8	10.32	98	59178	2.61	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	7578	2.40	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	5831	4.17	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	13925	2.46	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	20595	2.62	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	5891	2.599 ug/L	90
3) Chloromethane	2.21	50	13820	3.237 ug/L	97
5) Vinyl chloride	2.36	62	16924	2.629 ug/L	97
6) Bromomethane	2.78	94	10407	2.650 ug/L	96
8) Chloroethane	2.93	64	9623	2.583 ug/L	99
9) Trichlorofluoromethane	3.26	101	8190	2.395 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	15575	2.541 ug/L #	92
12) 1,1-Dichloroethene	4.04	96	14913	2.402 ug/L	90
13) Acetone	4.13	43	13272	7.197 ug/L	73
14) Carbon disulfide	4.38	76	47262	2.526 ug/L	98
16) Methylene chloride	4.92	84	25679	3.657 ug/L	92
17) Methyl tert-butyl Ether	5.42	73	24061	2.376 ug/L #	95
18) trans-1,2-Dichloroethene	5.42	96	16566	2.483 ug/L	90
19) 1,1-Dichloroethane	6.22	63	27337	2.444 ug/L	97
21) 2-Butanone	7.18	43	4734	1.993 ug/L	91
22) cis-1,2-Dichloroethene	7.17	96	17822	2.507 ug/L	86
23) Bromochloromethane	7.52	128	7819	2.433 ug/L	88
25) Chloroform	7.68	83	27882	2.519 ug/L	99
27) 1,2-Dichloroethane	8.40	62	16861	2.393 ug/L	97
30) Cyclohexane	7.96	56	28120	2.505 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	22137	2.540 ug/L	97
32) Carbon tetrachloride	8.07	117	20625	2.496 ug/L	96
34) Benzene	8.32	78	66422	2.555 ug/L	100
35) Trichloroethene	9.09	95	17619	2.595 ug/L	98
36) Methylcyclohexane	9.34	83	31621	2.576 ug/L	98
40) 1,2-Dichloropropane	9.37	63	15674	2.477 ug/L	98
41) Bromodichloromethane	9.65	83	18354	2.364 ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	22638	2.238 ug/L	93
43) 4-Methyl-2-pentanone	10.21	43	20714	4.645 ug/L	97
44) Toluene	10.39	91	71472	2.539 ug/L	99

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QLast Update : Thu Oct 10 14:17:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.61	75	17797	2.224	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	11217	2.324	ug/L	89
47) Tetrachloroethene	10.87	164	15892	2.571	ug/L	96
49) 2-Hexanone	10.97	43	13349	4.331	ug/L	98
50) Dibromochloromethane	11.13	129	12757	2.243	ug/L	97
51) 1,2-Dibromoethane	11.24	107	10459	2.224	ug/L #	90
52) Chlorobenzene	11.66	112	44764	2.519	ug/L	96
53) Ethylbenzene	11.73	91	78033	2.504	ug/L	96
54) m,p-Xylene	11.84	106	31116	2.576	ug/L	89
55) o-xylene	12.16	106	27964	2.471	ug/L	93
56) Styrene	12.18	104	46252	2.395	ug/L	97
57) Isopropylbenzene	12.46	105	77579	2.512	ug/L #	96
58) 1,1,2,2-Tetrachloroethane	12.71	83	12806	2.239	ug/L #	98
59) 1,2,3-Trichloropropane	12.77	75	9539	2.221	ug/L	98
62) Bromoform	12.35	173	7379	2.144	ug/L #	97
63) 1,3-Dichlorobenzene	13.50	146	36813	2.638	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	37495	2.716	ug/L	91
65) 1,2-Dichlorobenzene	13.87	146	33810	2.722	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.49	75	2005	2.316	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	28303	2.764	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	21078	2.485	ug/L	100
69) Naphthalene	15.36	128	32633	2.103	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	19642	2.606	ug/L	99

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

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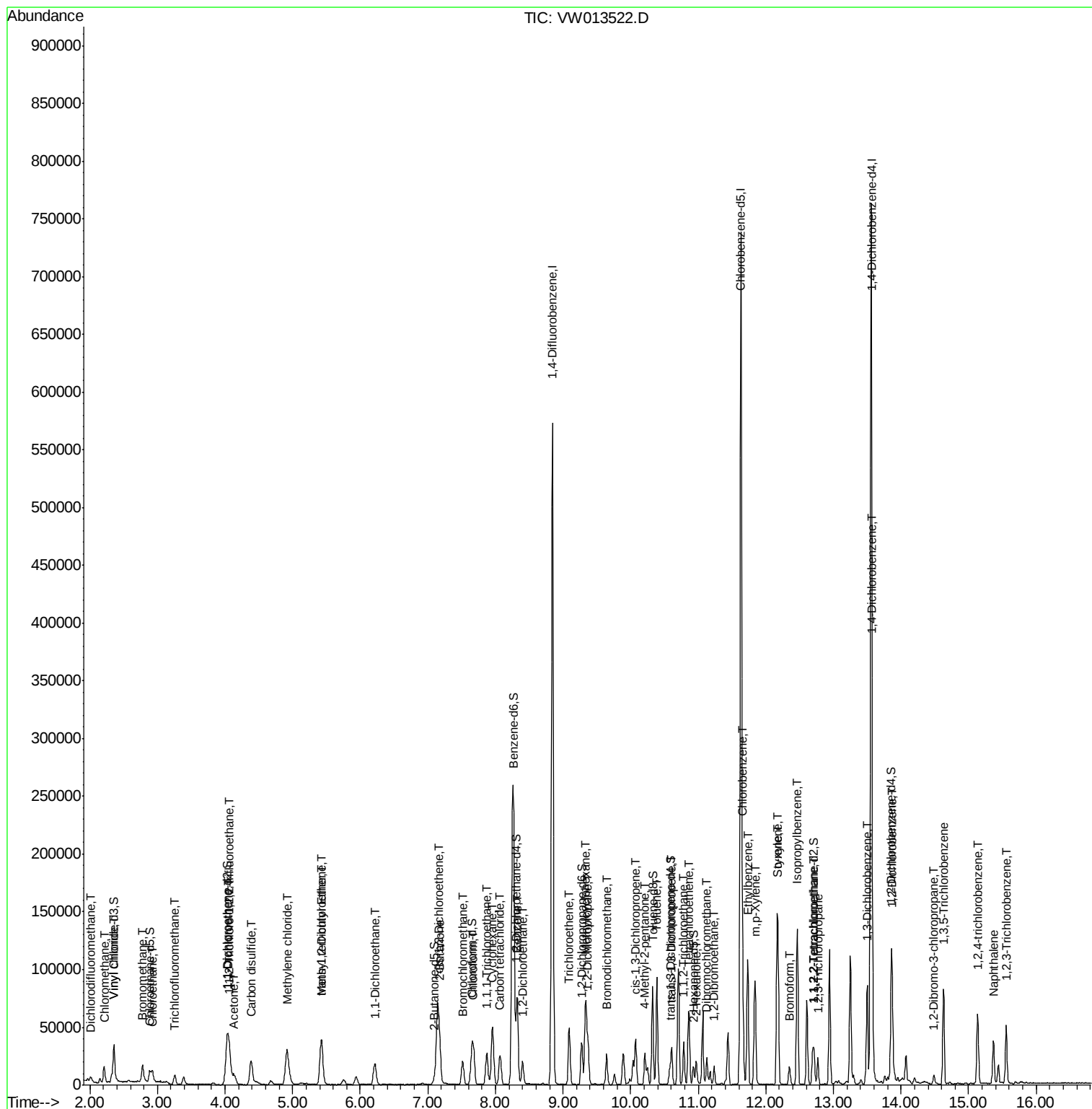
Quant Time: Oct 10 16:28:43 2019

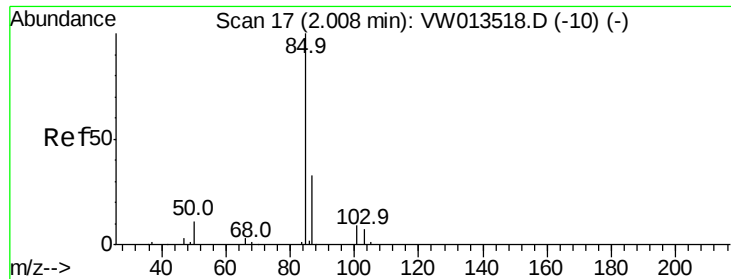
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M

Quant Title : VOC Analysis

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

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.599 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013522.D

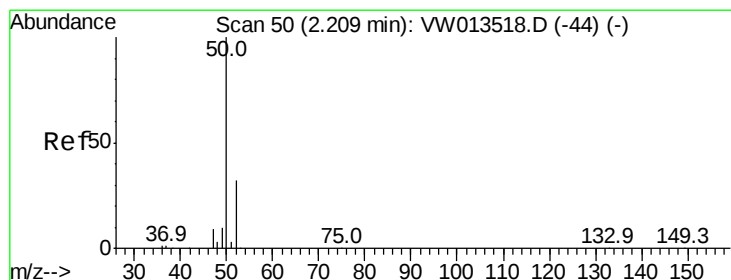
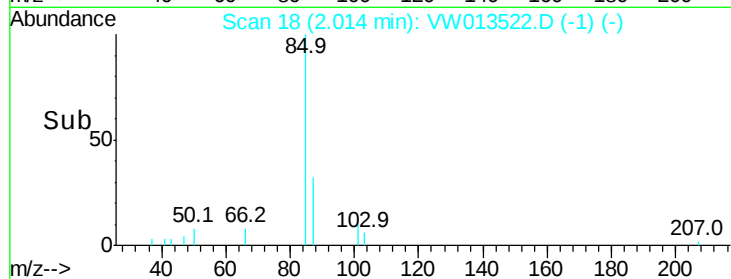
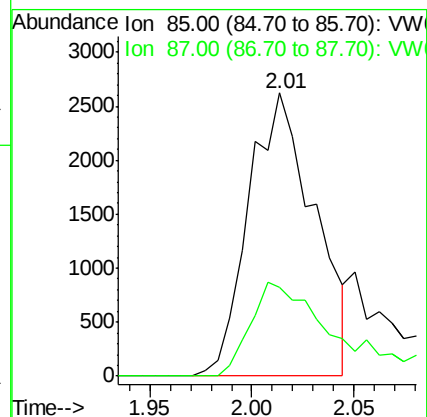
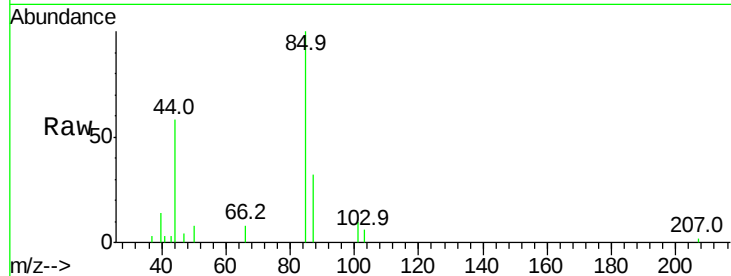
Acq: 10 Oct 2019 16:03

Tgt Ion: 85 Resp: 5891

Ion Ratio Lower Upper

85 100

87 34.6 20.4 38.0



#3

Chloromethane

Concen: 3.237 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013522.D

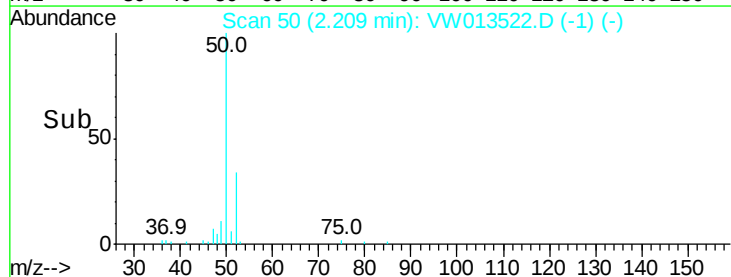
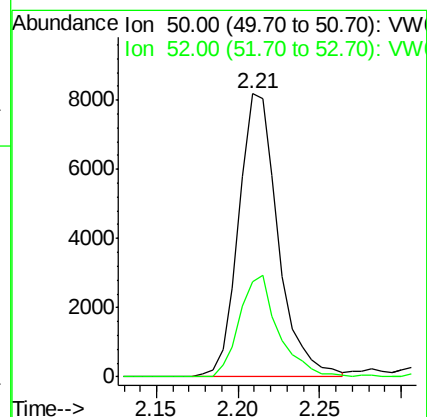
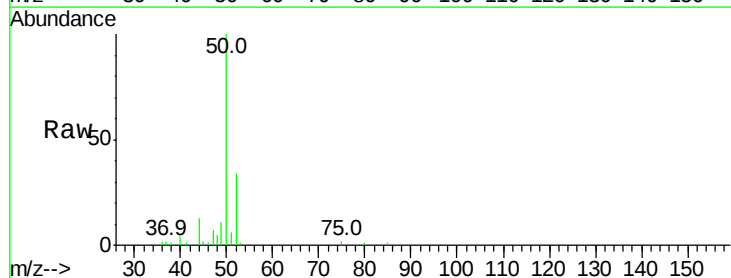
Acq: 10 Oct 2019 16:03

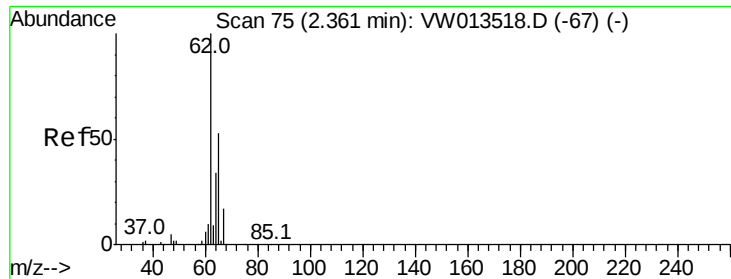
Tgt Ion: 50 Resp: 13820

Ion Ratio Lower Upper

50 100

52 33.8 22.6 42.0





#5

Vinyl chloride

Concen: 2.629 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW013522.D

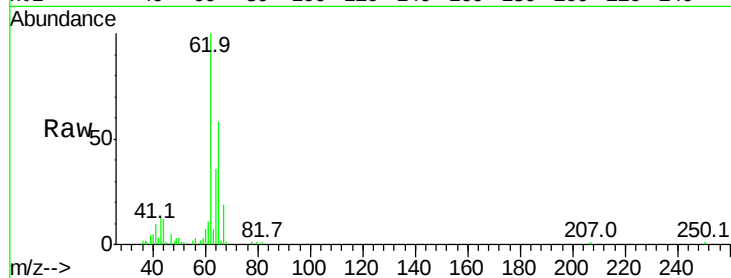
Acq: 10 Oct 2019 16:03

Tgt Ion: 62 Resp: 16924

Ion Ratio Lower Upper

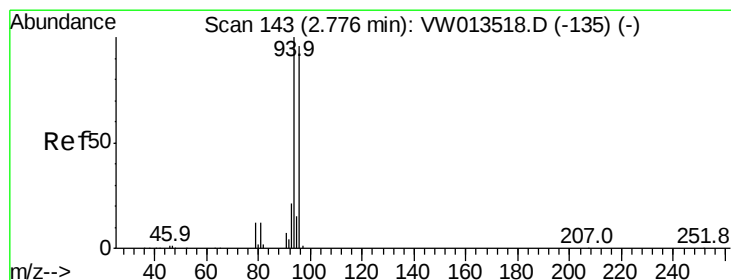
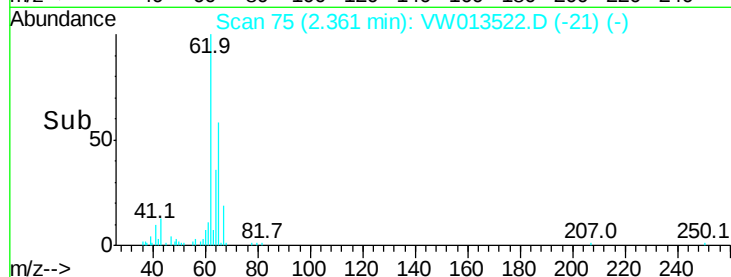
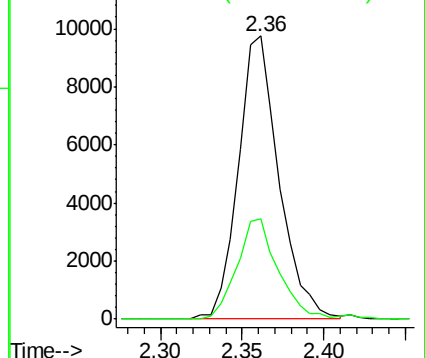
62 100

64 35.7 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: 2.650 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW013522.D

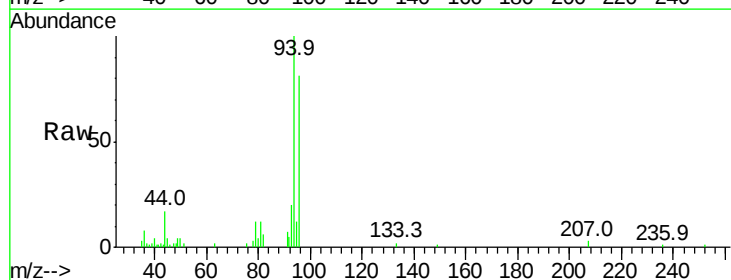
Acq: 10 Oct 2019 16:03

Tgt Ion: 94 Resp: 10407

Ion Ratio Lower Upper

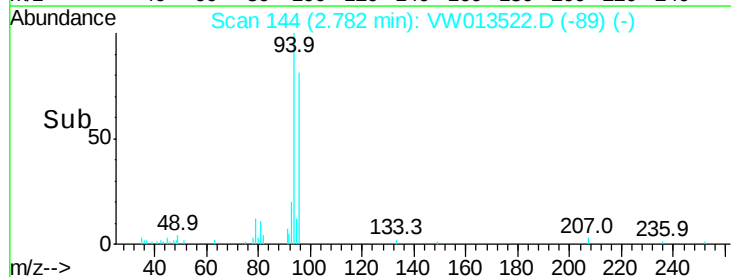
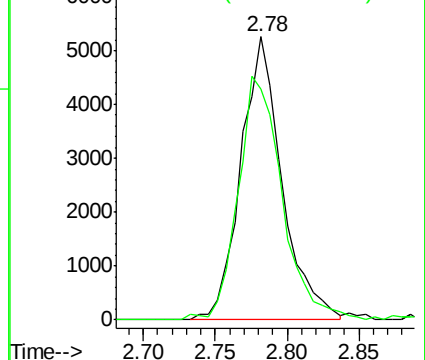
94 100

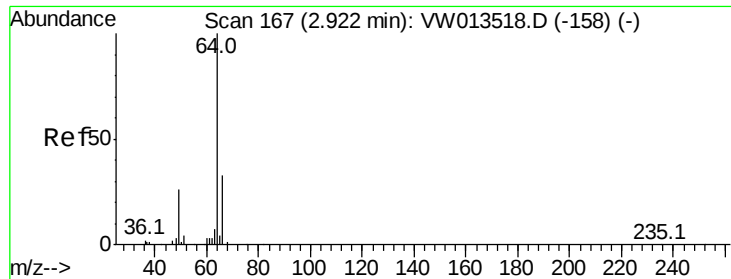
96 91.2 9.5 179.9



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 2.583 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW013522.D

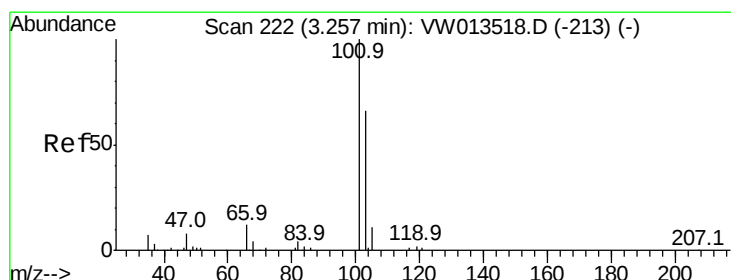
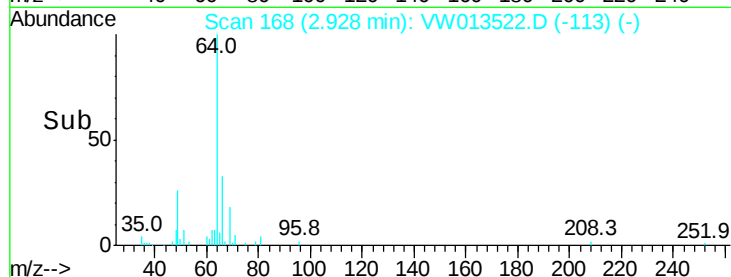
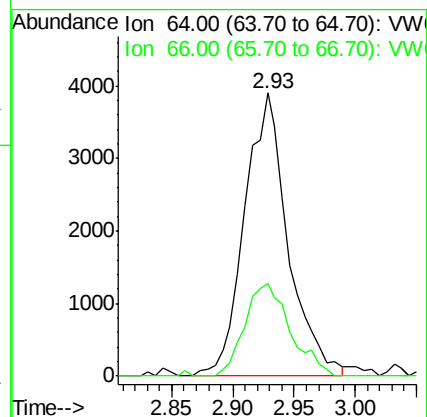
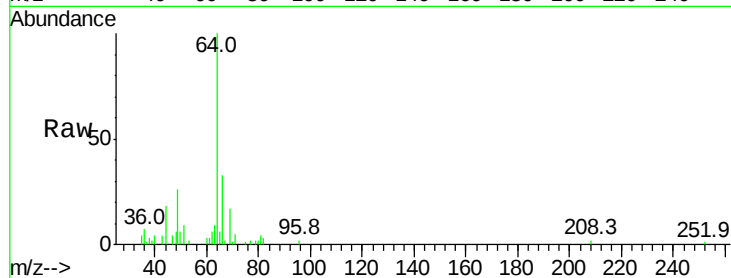
Acq: 10 Oct 2019 16:03

Tgt Ion: 64 Resp: 9623

Ion Ratio Lower Upper

64 100

66 32.7 23.2 43.0



#9

Trichlorofluoromethane

Concen: 2.395 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW013522.D

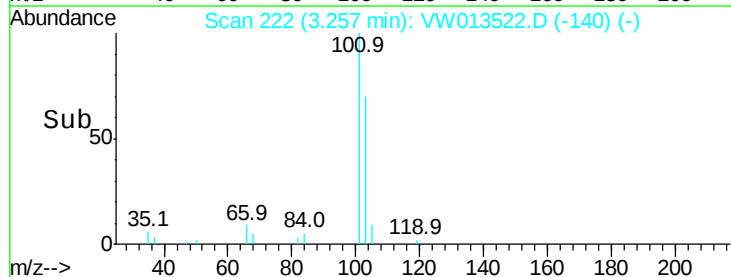
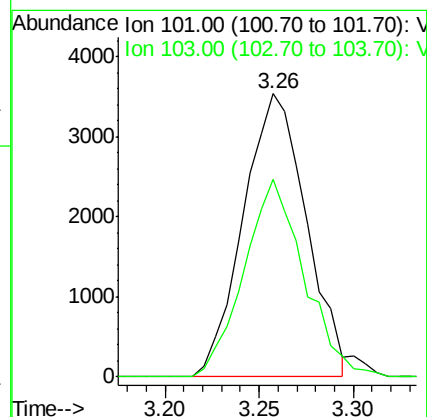
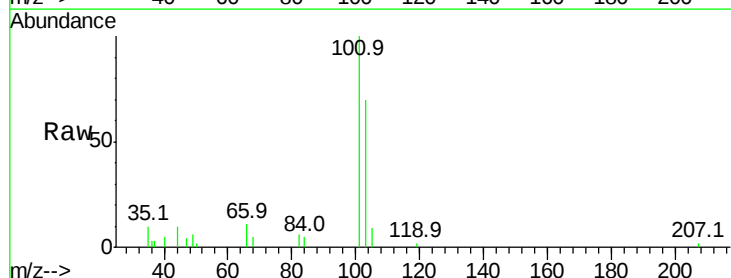
Acq: 10 Oct 2019 16:03

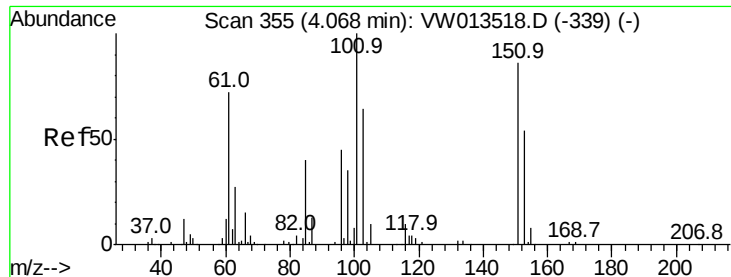
Tgt Ion: 101 Resp: 8190

Ion Ratio Lower Upper

101 100

103 66.9 46.0 85.4





#11

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

Concen: 2.541 ug/L

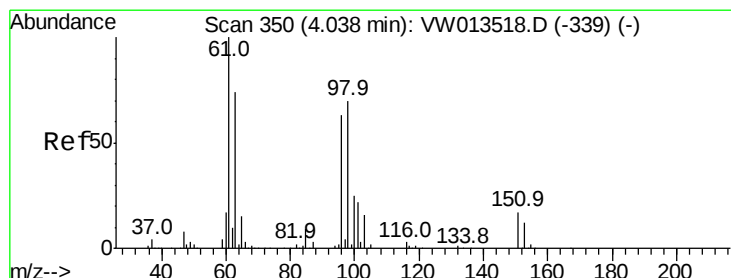
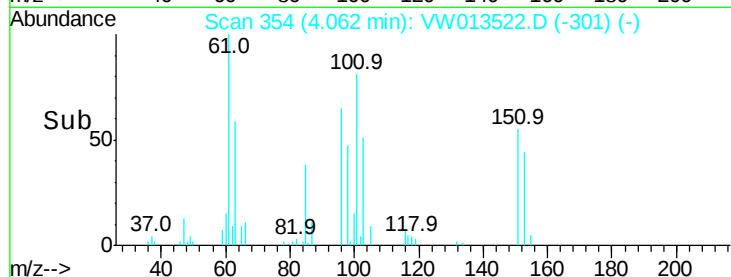
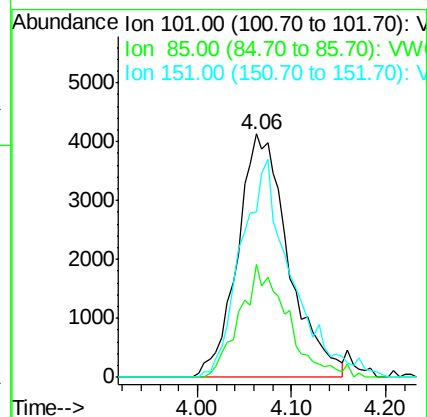
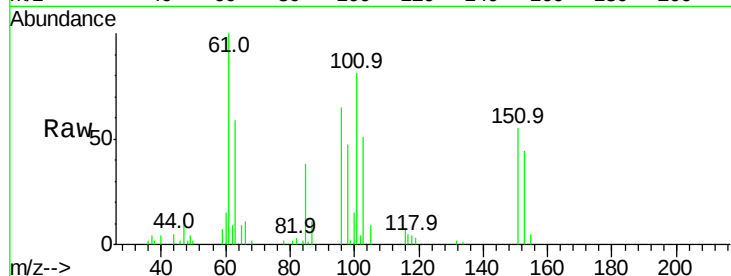
RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013522.D

Acq: 10 Oct 2019 16:03

Tgt Ion:	101	Resp:	15575
Ion	Ratio	Lower	Upper
101	100		
85	29.7	32.0	48.0#
151	80.5	67.0	100.6



#12

1,1-Dichloroethene

Concen: 2.402 ug/L

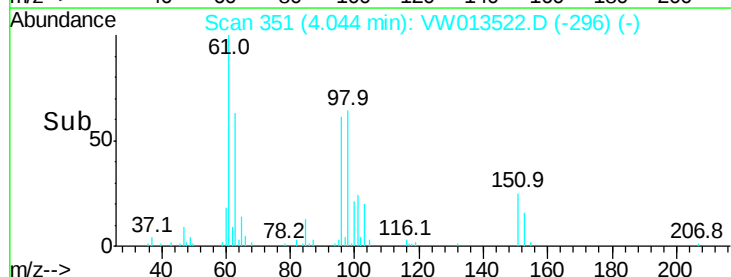
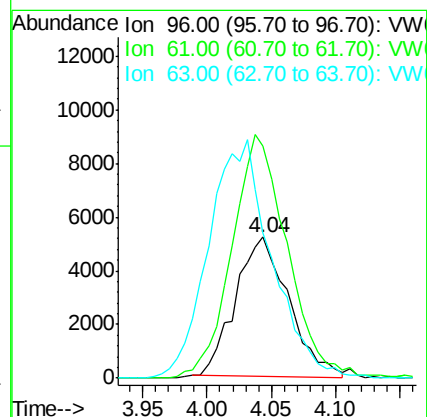
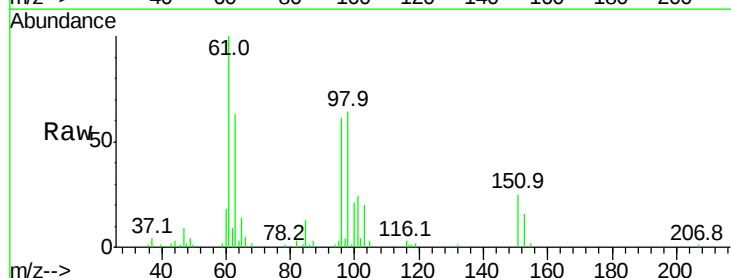
RT: 4.04 min Scan# 351

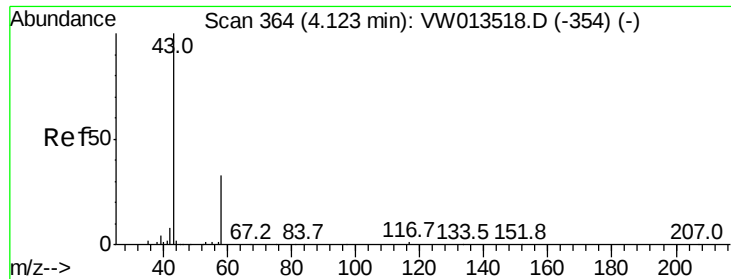
Delta R.T. 0.01 min

Lab File: VW013522.D

Acq: 10 Oct 2019 16:03

Tgt Ion:	96	Resp:	14913
Ion	Ratio	Lower	Upper
96	100		
61	164.7	111.0	206.2
63	103.0	86.3	160.3





#13

Acetone

Concen: 7.197 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013522.D

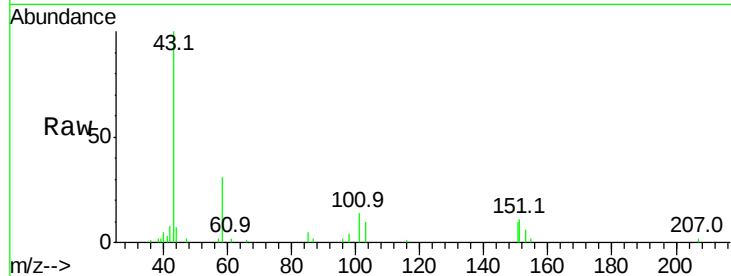
Acq: 10 Oct 2019 16:03

Tgt Ion: 43 Resp: 13272

Ion Ratio Lower Upper

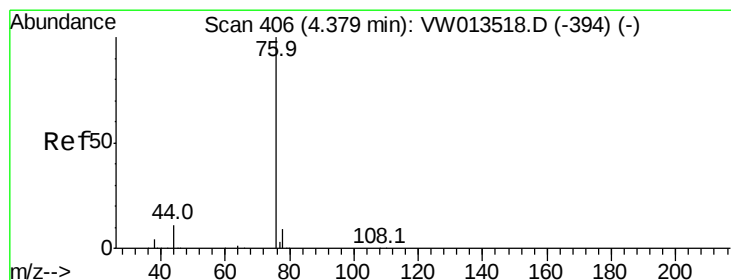
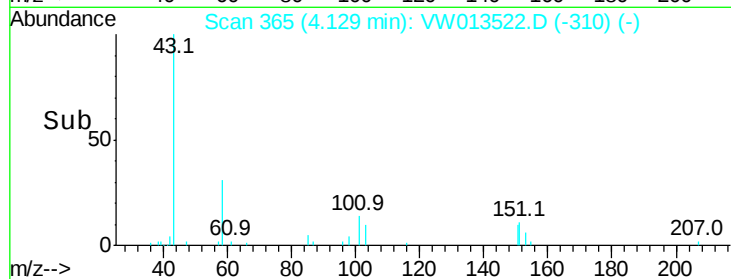
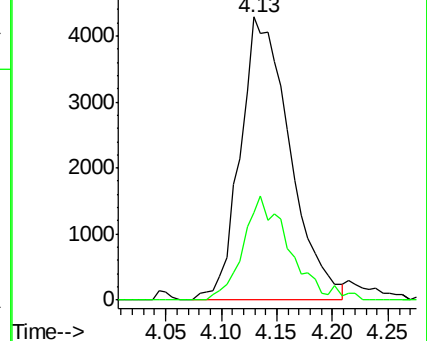
43 100

58 18.5 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: 2.526 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013522.D

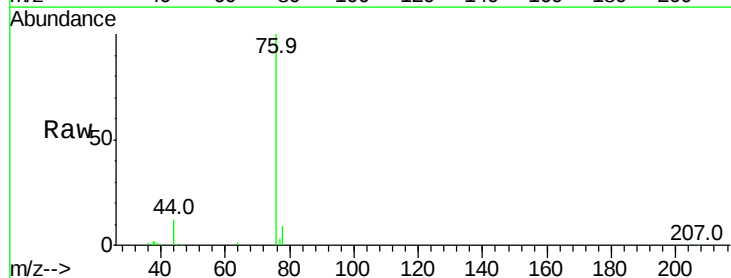
Acq: 10 Oct 2019 16:03

Tgt Ion: 76 Resp: 47262

Ion Ratio Lower Upper

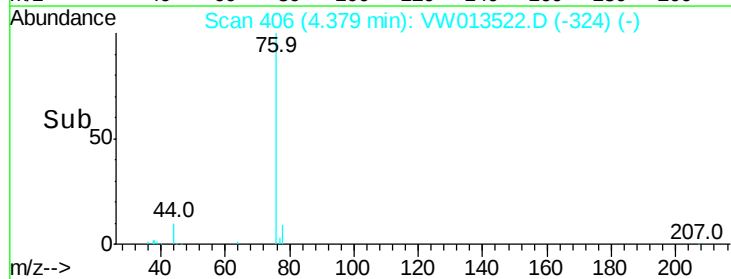
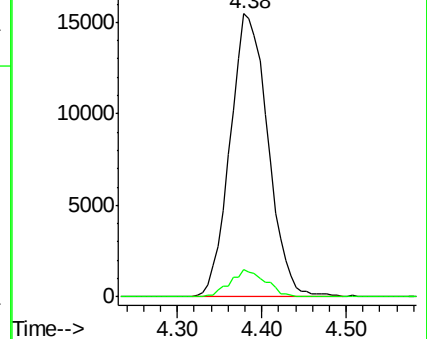
76 100

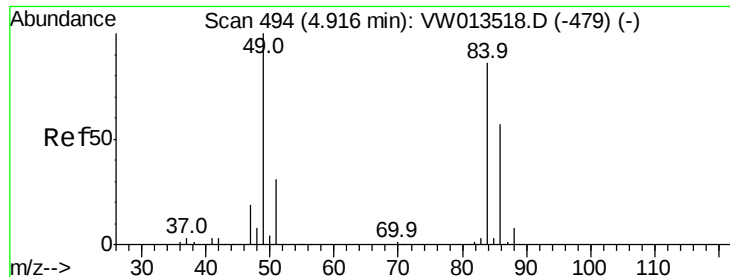
78 9.5 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

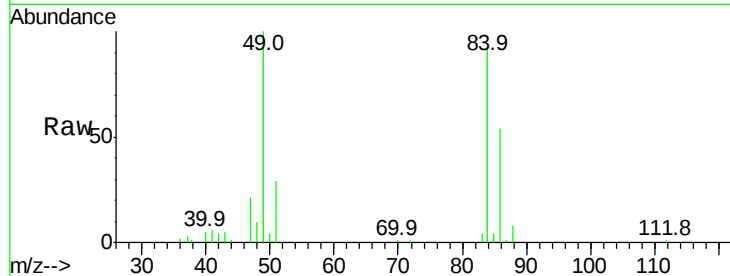
Ion 78.00 (77.70 to 78.70): VW



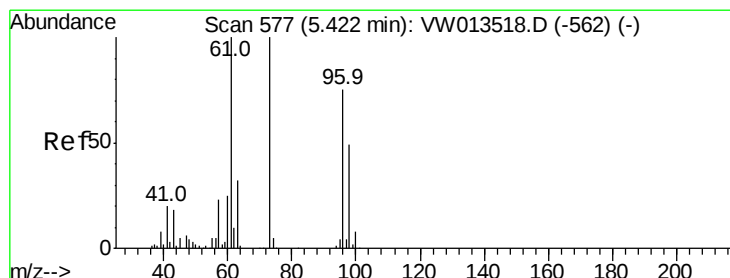
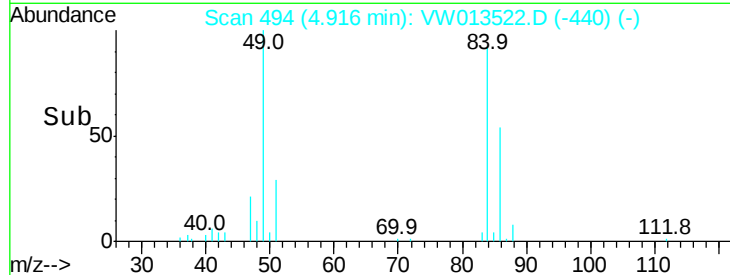
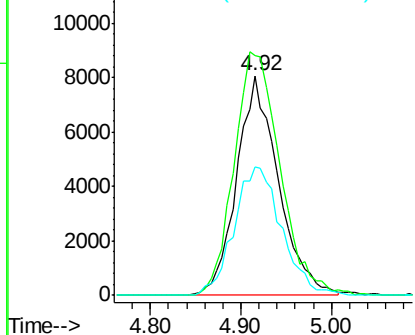


#16
Methylene chloride
Concen: 3.657 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013522.D
Acq: 10 Oct 2019 16:03

Tgt Ion: 84 Resp: 25679
Ion Ratio Lower Upper
84 100
49 109.1 81.3 151.1
86 58.6 46.3 86.1

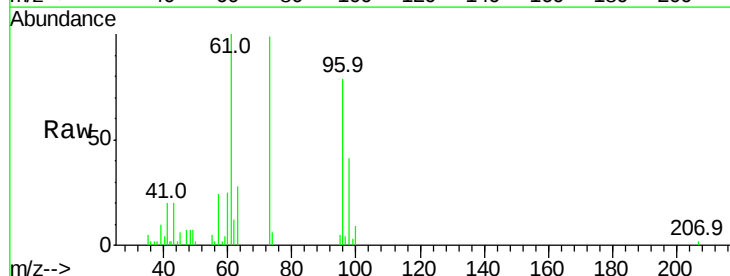


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

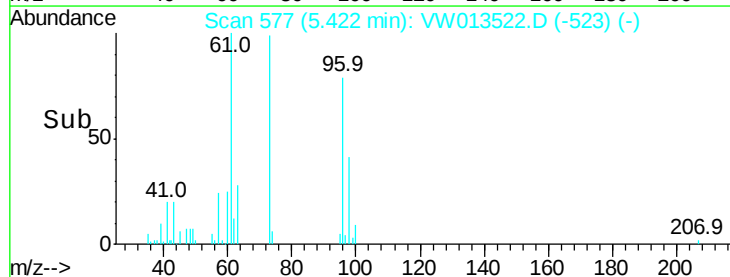
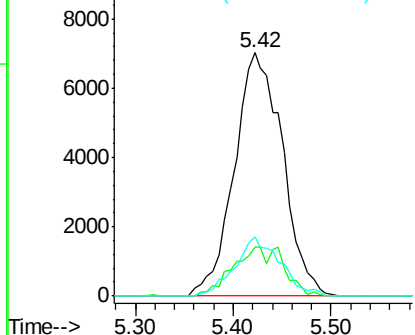


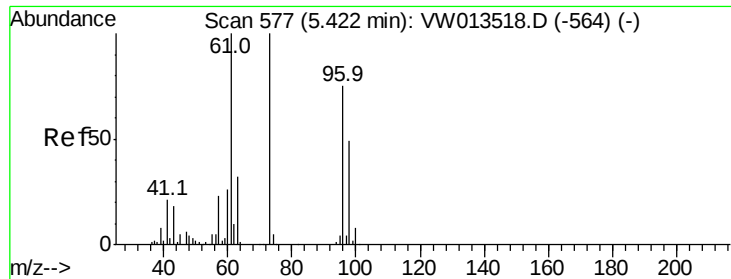
#17
Methyl tert-butyl Ether
Concen: 2.376 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013522.D
Acq: 10 Oct 2019 16:03

Tgt Ion: 73 Resp: 24061
Ion Ratio Lower Upper
73 100
43 14.1 15.0 22.4#
57 22.3 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: 2.483 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013522.D

Acq: 10 Oct 2019 16:03

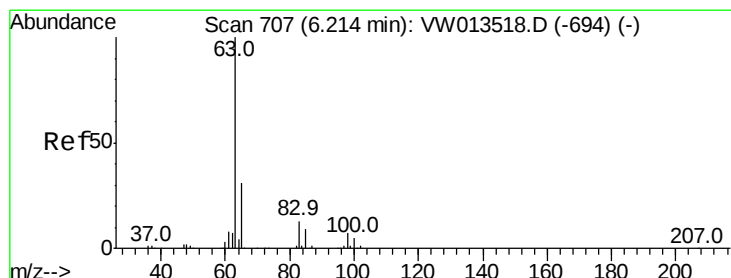
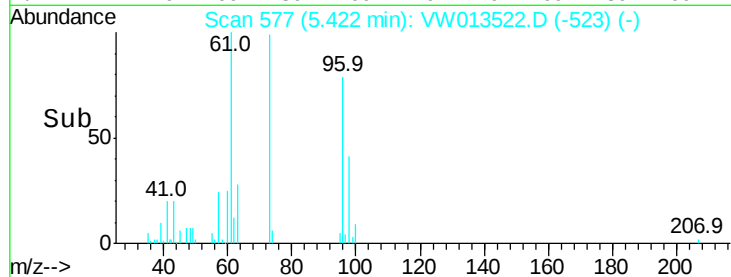
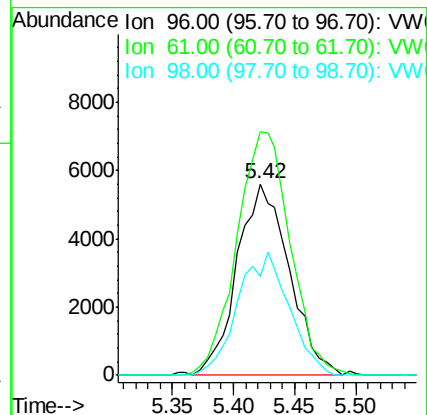
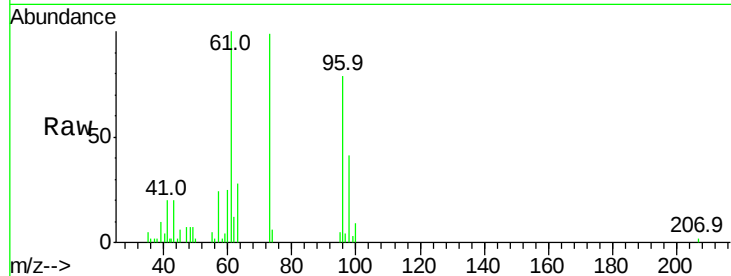
Tgt Ion: 96 Resp: 16566

Ion Ratio Lower Upper

96 100

61 127.3 93.7 173.9

98 51.6 46.1 85.7



#19

1,1-Dichloroethane

Concen: 2.444 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW013522.D

Acq: 10 Oct 2019 16:03

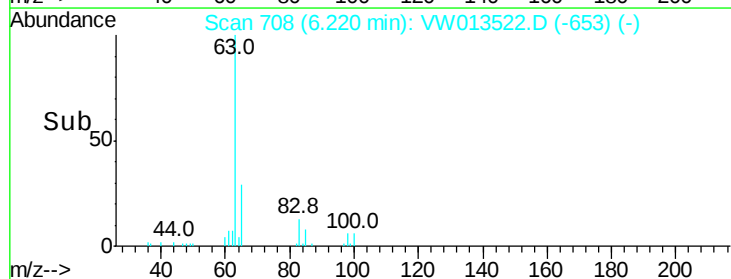
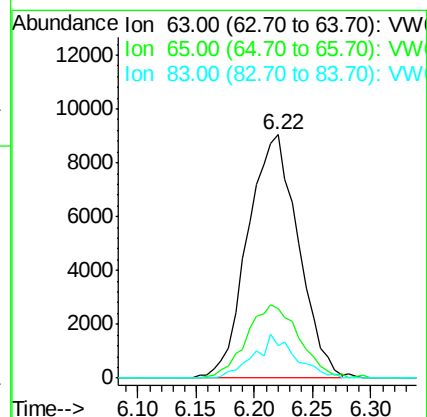
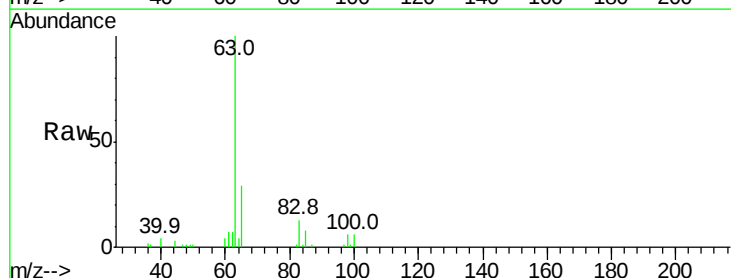
Tgt Ion: 63 Resp: 27337

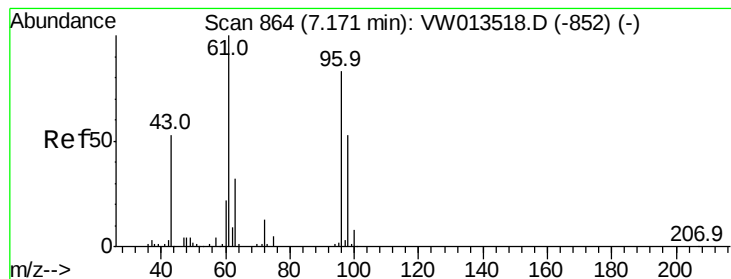
Ion Ratio Lower Upper

63 100

65 28.5 21.6 40.0

83 13.1 9.0 16.6





#21

2-Butanone

Concen: 1.993 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013522.D

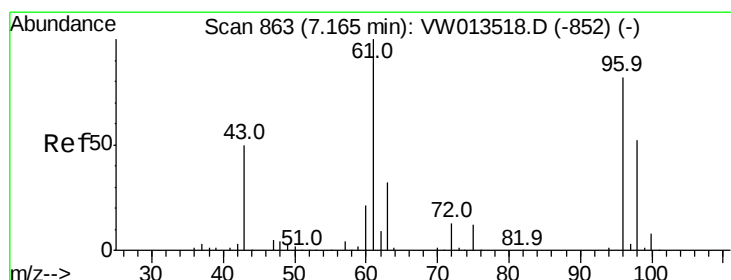
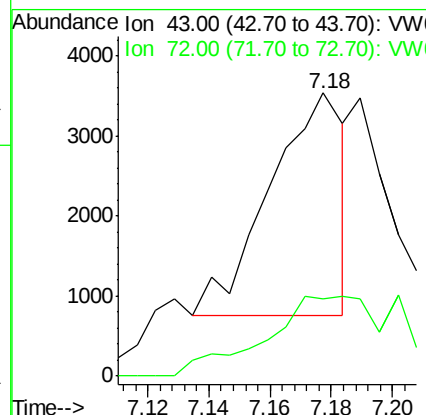
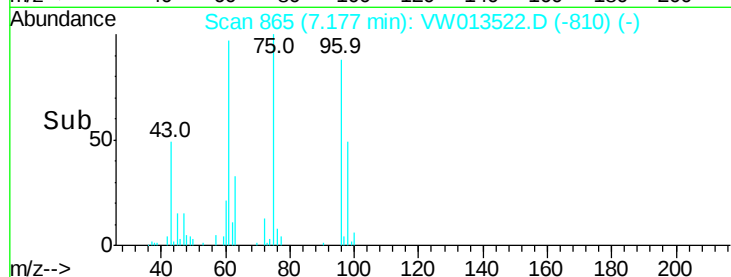
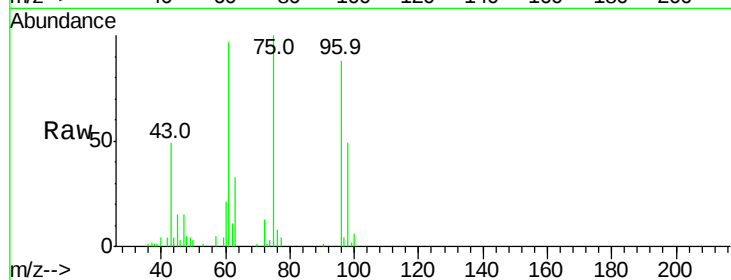
Acq: 10 Oct 2019 16:03

Tgt Ion: 43 Resp: 4734

Ion Ratio Lower Upper

43 100

72 31.7 13.5 40.4



#22

cis-1,2-Dichloroethene

Concen: 2.507 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013522.D

Acq: 10 Oct 2019 16:03

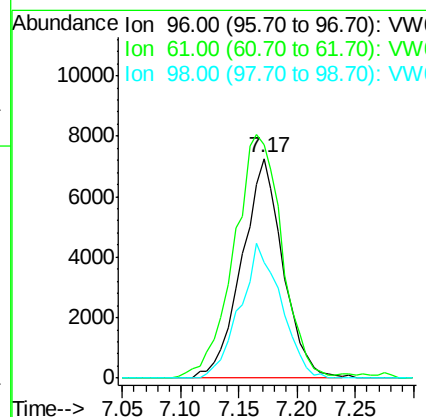
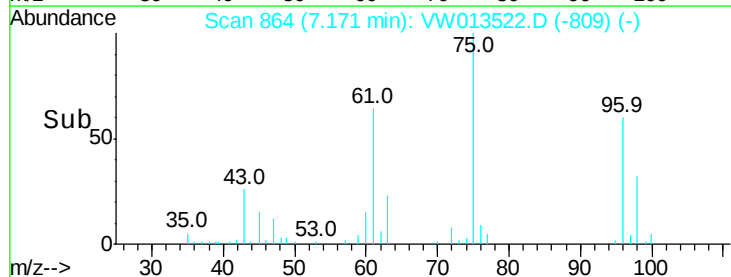
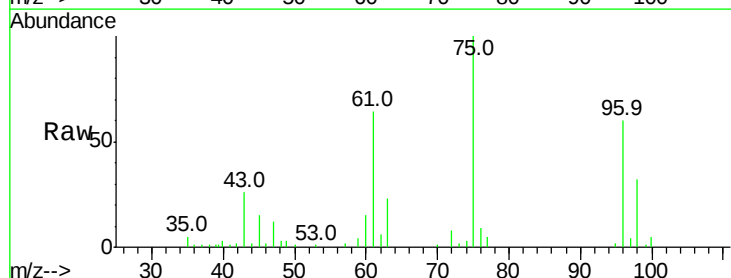
Tgt Ion: 96 Resp: 17822

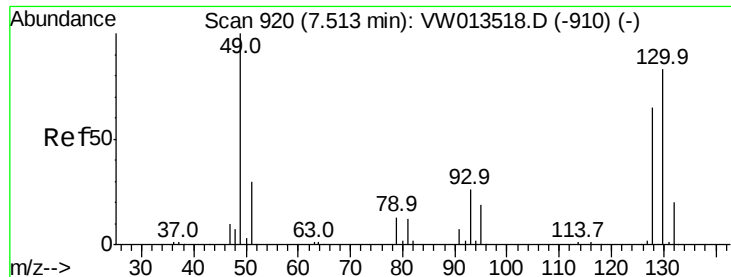
Ion Ratio Lower Upper

96 100

61 106.4 86.0 159.8

98 52.6 44.4 82.5





#23

Bromochloromethane

Concen: 2.433 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW013522.D

Acq: 10 Oct 2019 16:03

Tgt Ion: 128 Resp: 7819

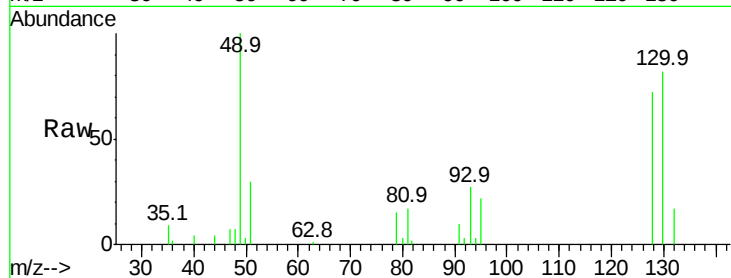
Ion Ratio Lower Upper

128 100

49 137.9 108.0 200.6

130 113.1 89.4 166.0

51 41.9 37.4 56.2

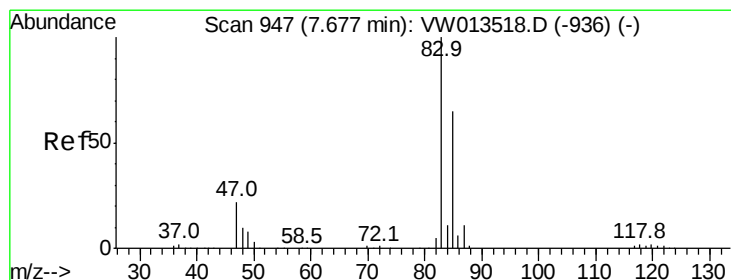
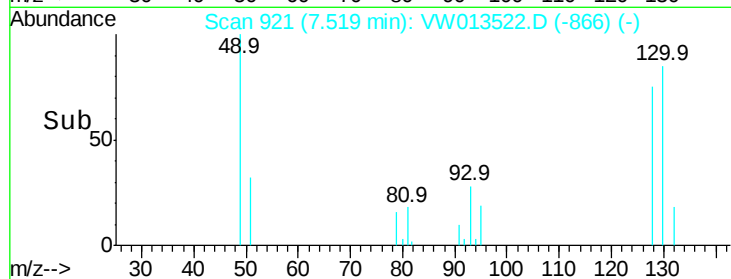
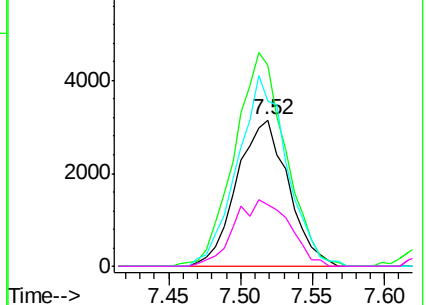


Abundance Ion 128.00 (127.70 to 128.70): V

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: 2.519 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW013522.D

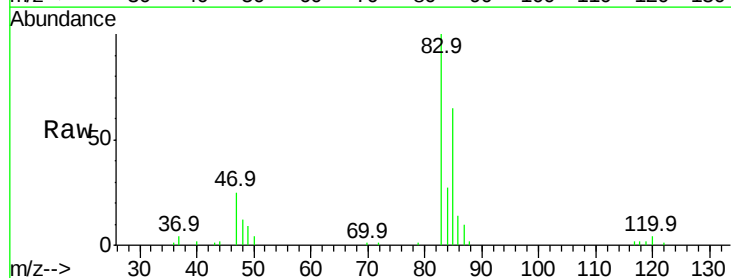
Acq: 10 Oct 2019 16:03

Tgt Ion: 83 Resp: 27882

Ion Ratio Lower Upper

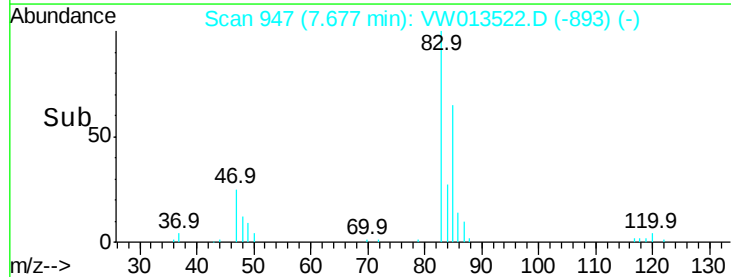
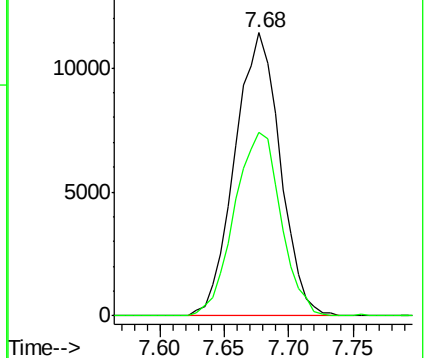
83 100

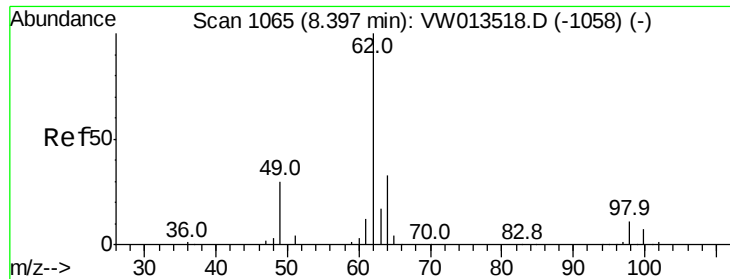
85 66.4 46.1 85.5



Abundance Ion 83.00 (82.70 to 83.70): VW

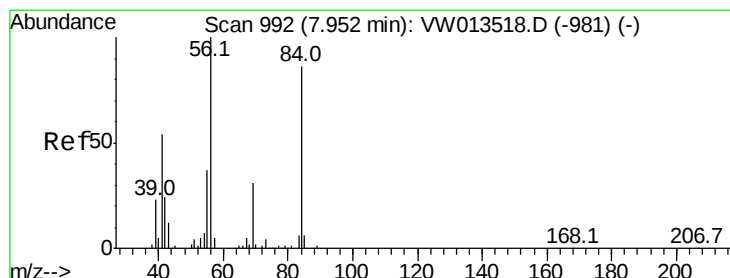
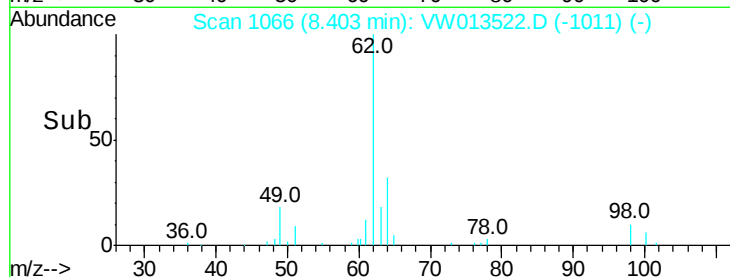
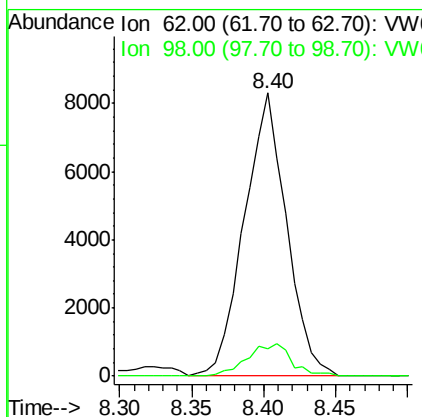
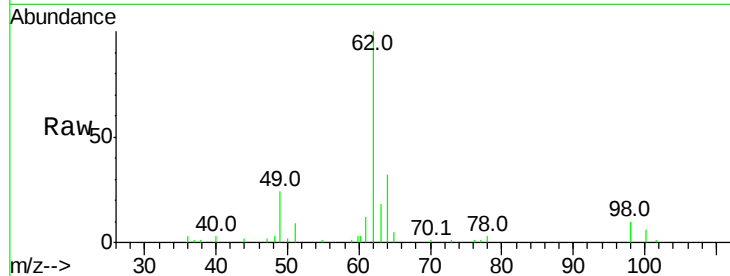
Ion 85.00 (84.70 to 85.70): VW





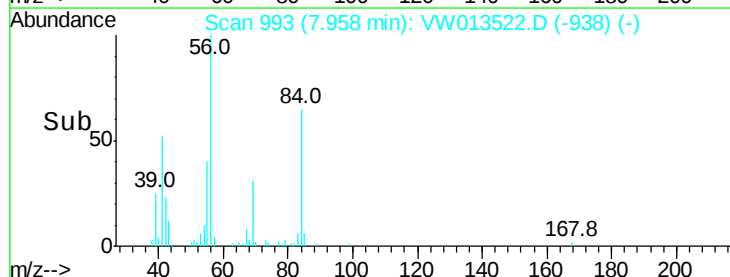
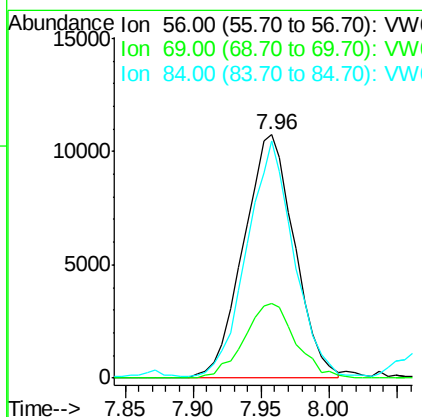
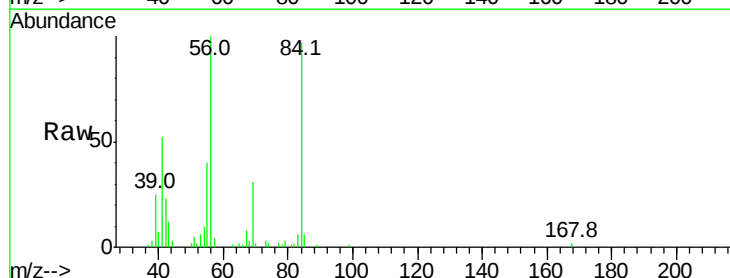
#27
 1,2-Dichloroethane
 Concen: 2.393 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW013522.D
 Acq: 10 Oct 2019 16:03

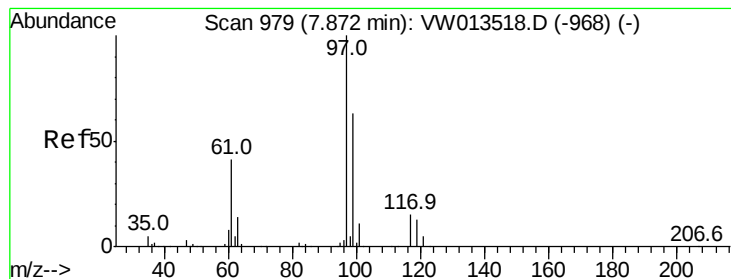
Tgt Ion: 62 Resp: 16861
 Ion Ratio Lower Upper
 62 100
 98 9.9 9.0 13.4



#30
 Cyclohexane
 Concen: 2.505 ug/L
 RT: 7.96 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VW013522.D
 Acq: 10 Oct 2019 16:03

Tgt Ion: 56 Resp: 28120
 Ion Ratio Lower Upper
 56 100
 69 30.8 24.7 37.1
 84 90.3 70.4 105.6





#31

1,1,1-Trichloroethane

Concen: 2.540 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013522.D

Acq: 10 Oct 2019 16:03

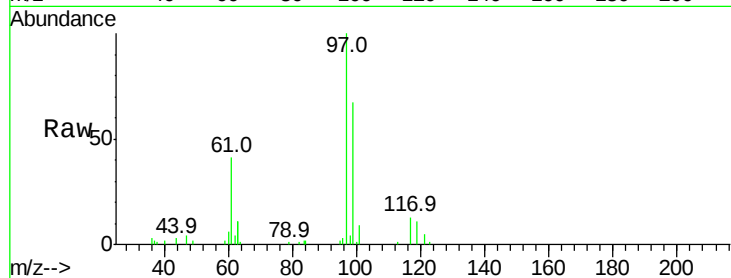
Tgt Ion: 97 Resp: 22137

Ion Ratio Lower Upper

97 100

99 63.0 51.8 77.8

61 40.1 33.7 50.5

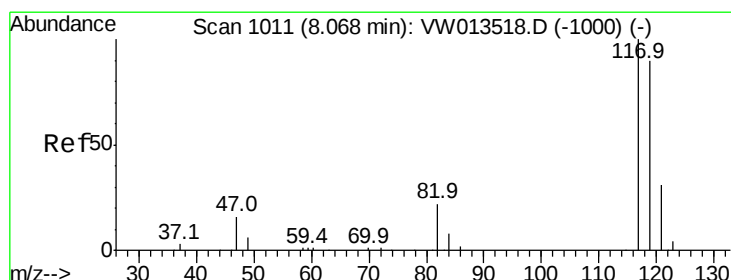
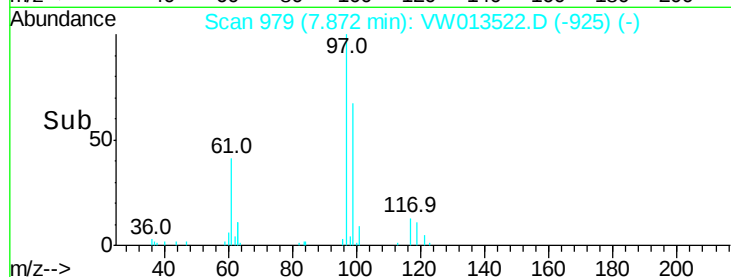
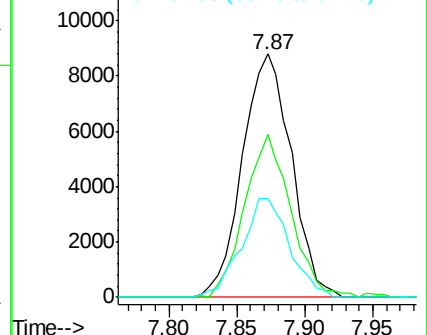


Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW



#32

Carbon tetrachloride

Concen: 2.496 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013522.D

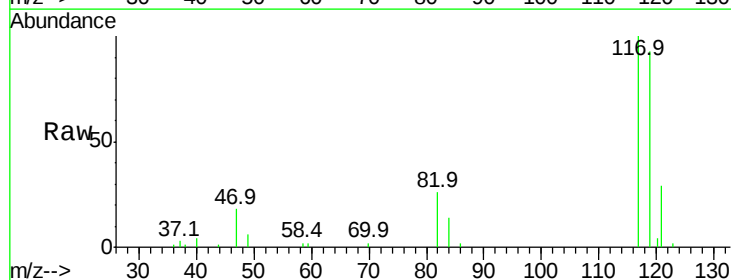
Acq: 10 Oct 2019 16:03

Tgt Ion: 117 Resp: 20625

Ion Ratio Lower Upper

117 100

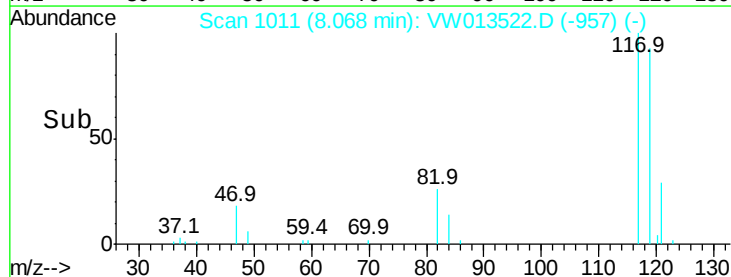
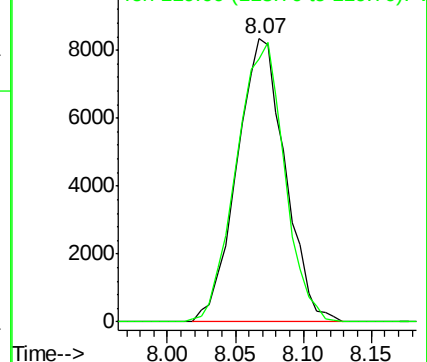
119 98.6 76.1 114.1

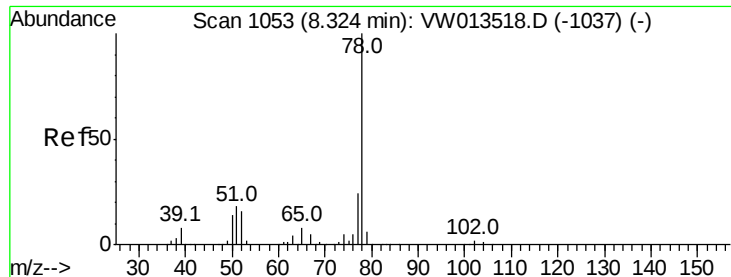


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 2.555 ug/L

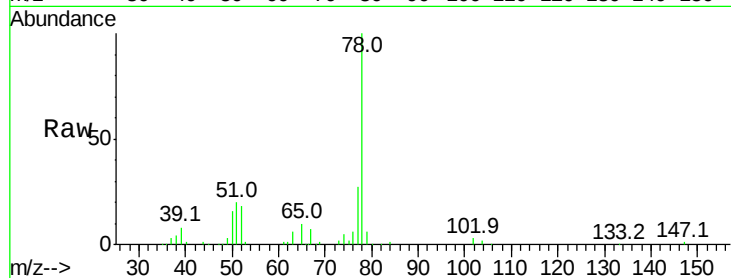
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

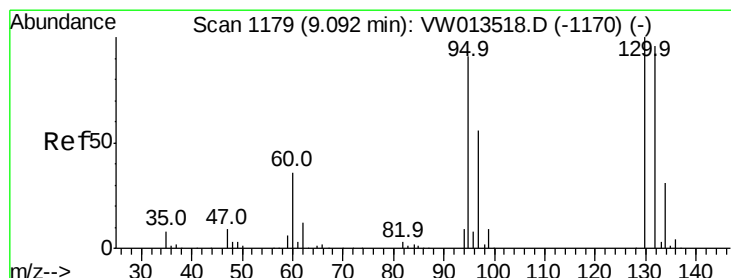
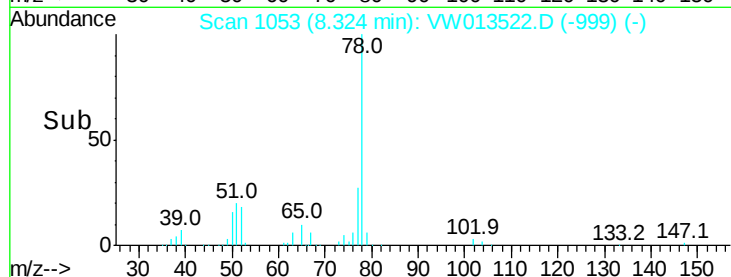
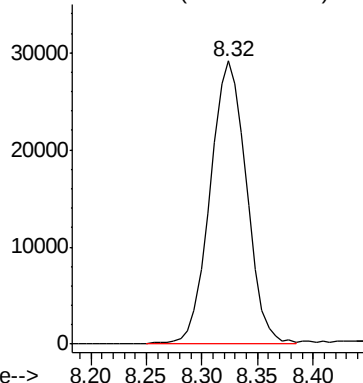
Lab File: VW013522.D

Acq: 10 Oct 2019 16:03

Tgt Ion: 78 Resp: 66422



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 2.595 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013522.D

Acq: 10 Oct 2019 16:03

Tgt Ion: 95 Resp: 17619

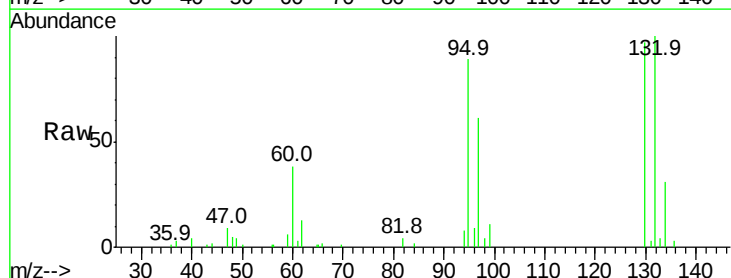
Ion	Ratio	Lower	Upper
95	100		
97	63.8	45.1	83.7
132	103.8	73.6	136.8
130	105.9	76.3	141.7

95 100

97 63.8 45.1 83.7

132 103.8 73.6 136.8

130 105.9 76.3 141.7

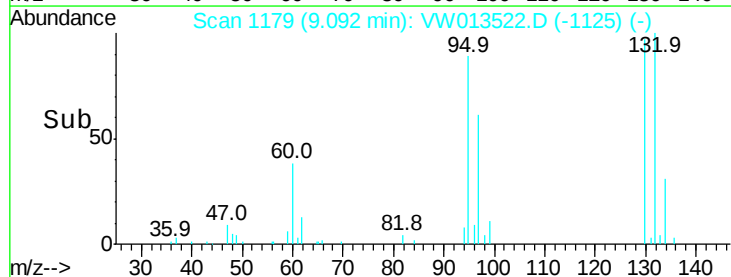
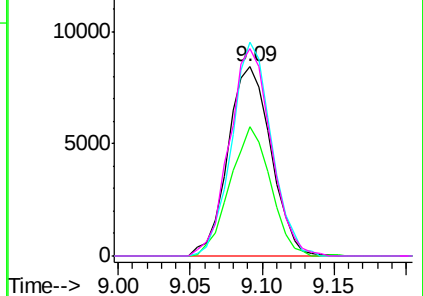


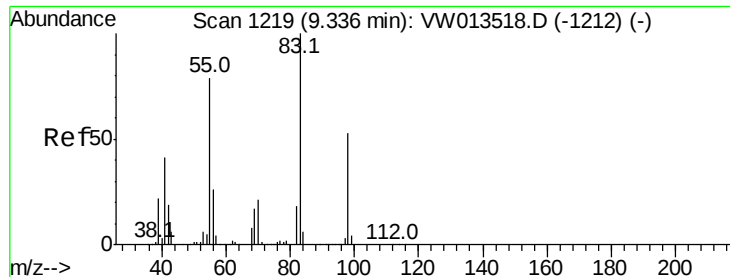
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

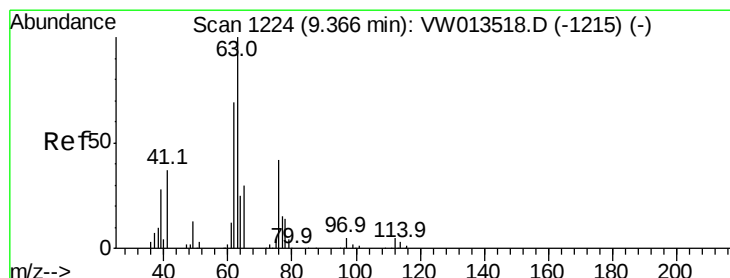
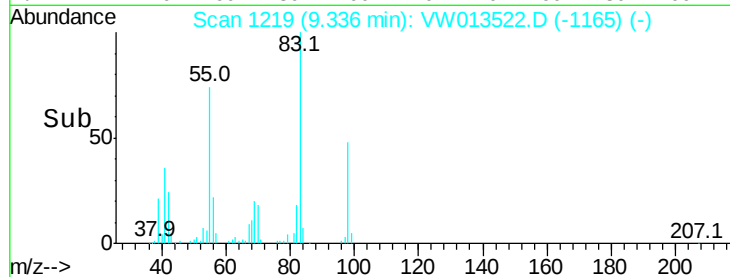
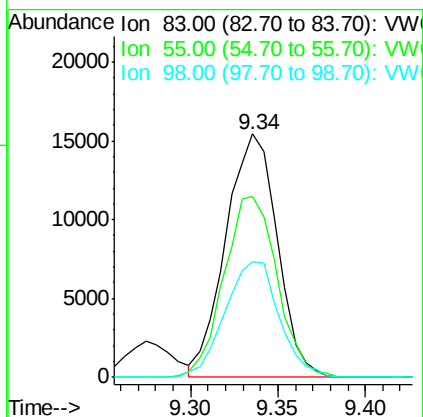
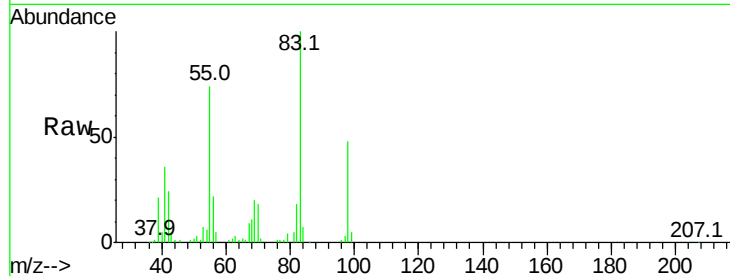
Ion 130.00 (129.70 to 130.70): V





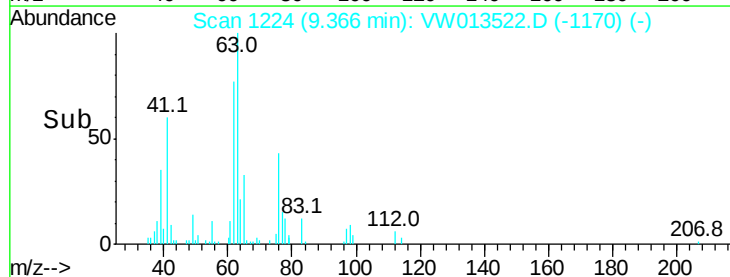
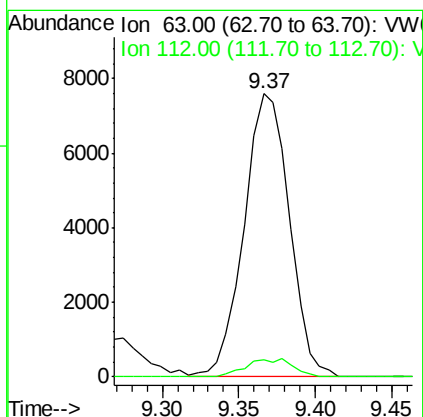
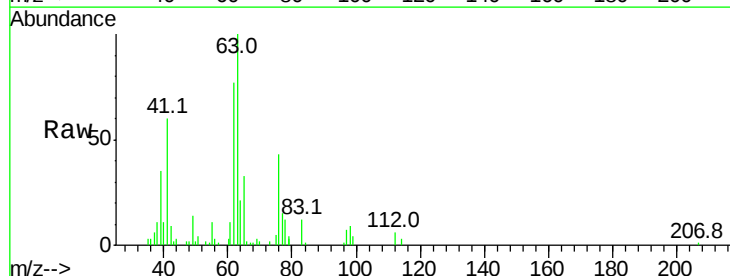
#36
Methylcyclohexane
Concen: 2.576 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013522.D
Acq: 10 Oct 2019 16:03

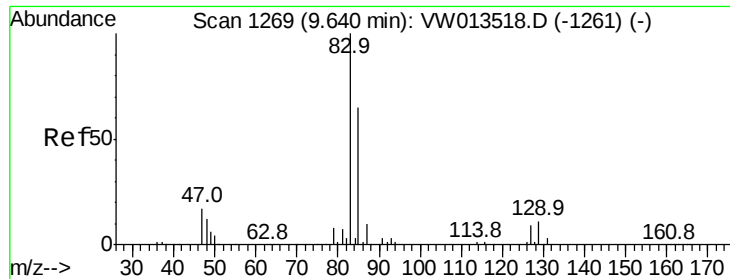
Tgt Ion: 83 Resp: 31621
Ion Ratio Lower Upper
83 100
55 76.9 60.4 90.6
98 50.0 39.3 58.9



#40
1,2-Dichloropropane
Concen: 2.477 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW013522.D
Acq: 10 Oct 2019 16:03

Tgt Ion: 63 Resp: 15674
Ion Ratio Lower Upper
63 100
112 4.1 3.8 5.8





#41

Bromodichloromethane

Concen: 2.364 ug/L

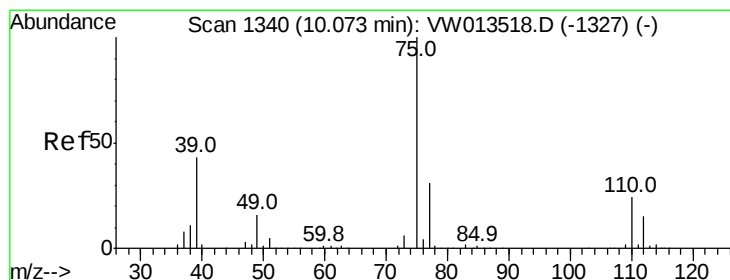
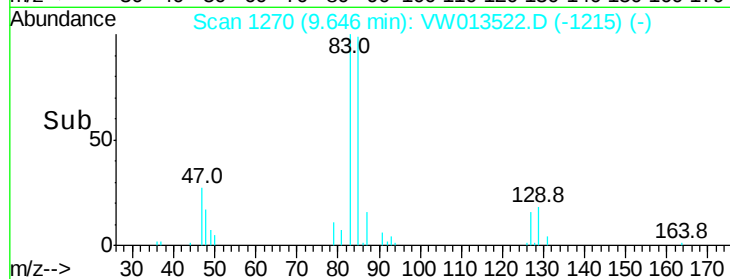
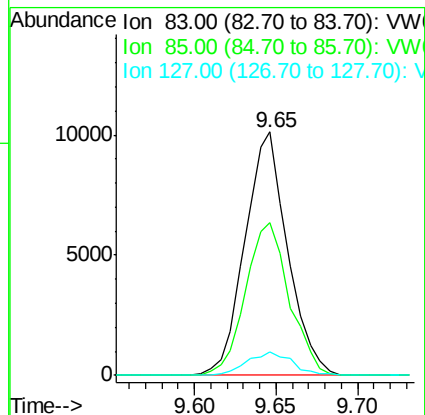
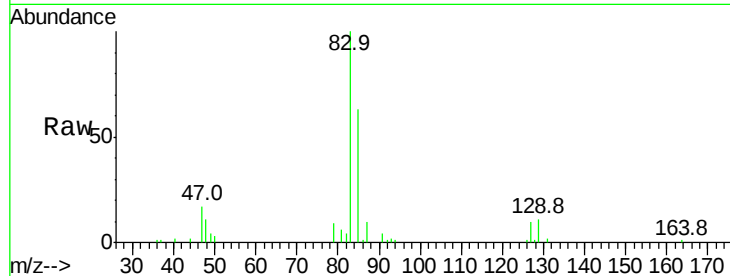
RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013522.D

Acq: 10 Oct 2019 16:03

Tgt Ion:	83	Resp:	18354
Ion	Ratio	Lower	Upper
83	100		
85	62.9	45.1	83.9
127	9.9	7.1	10.7



#42

cis-1,3-Dichloropropene

Concen: 2.238 ug/L

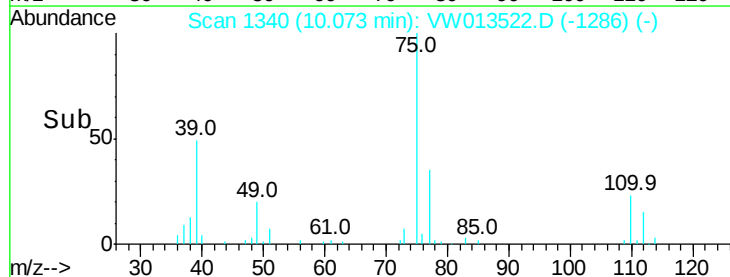
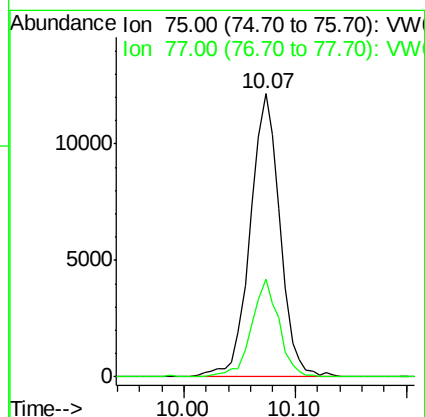
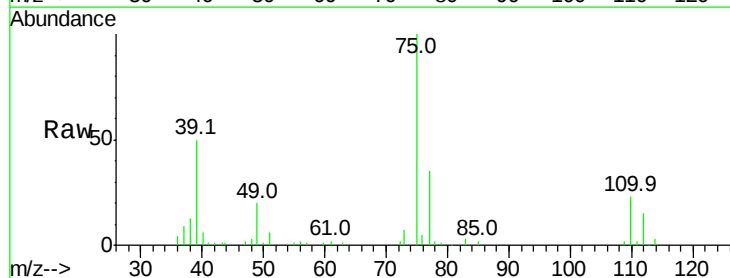
RT: 10.07 min Scan# 1340

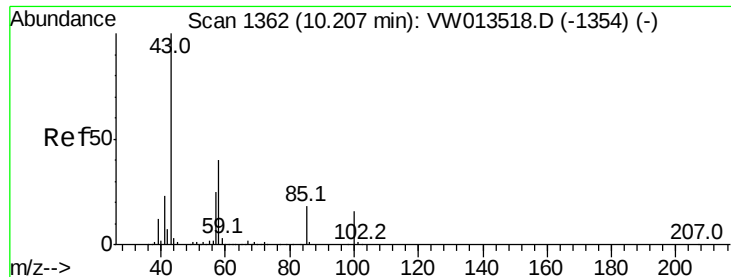
Delta R.T. 0.00 min

Lab File: VW013522.D

Acq: 10 Oct 2019 16:03

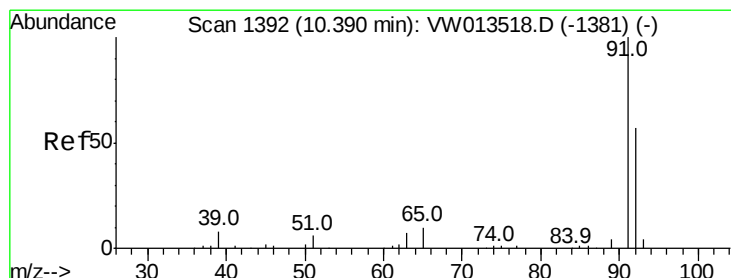
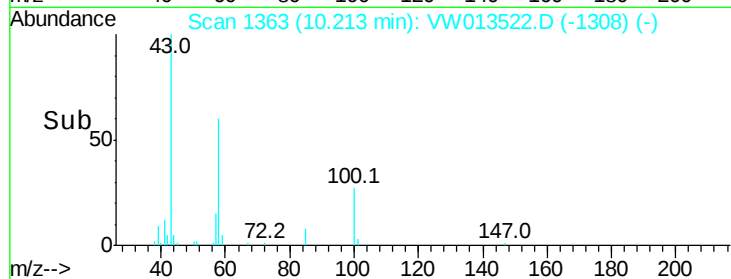
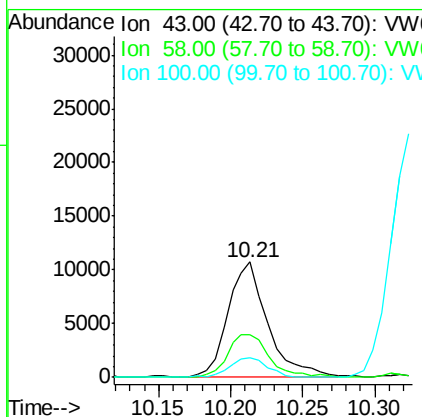
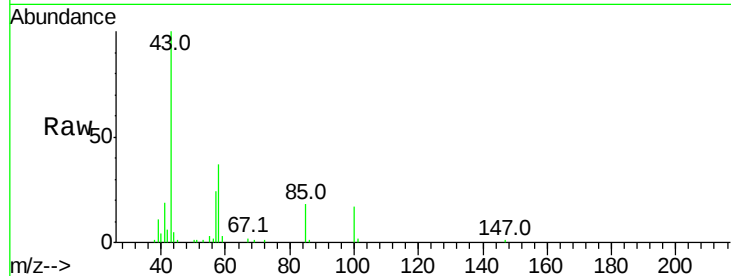
Tgt Ion:	75	Resp:	22638
Ion	Ratio	Lower	Upper
75	100		
77	34.5	21.6	40.2





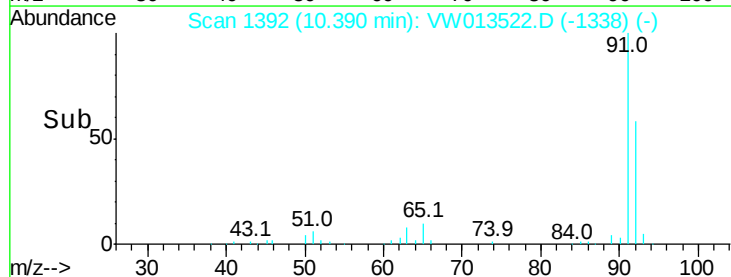
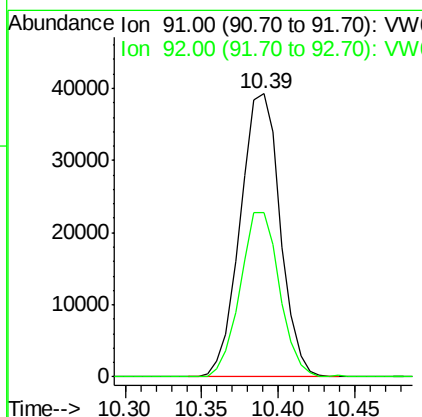
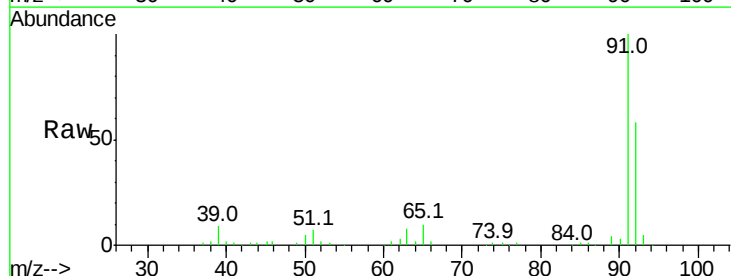
#43
 4-Methyl-2-pentanone
 Concen: 4.645 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW013522.D
 Acq: 10 Oct 2019 16:03

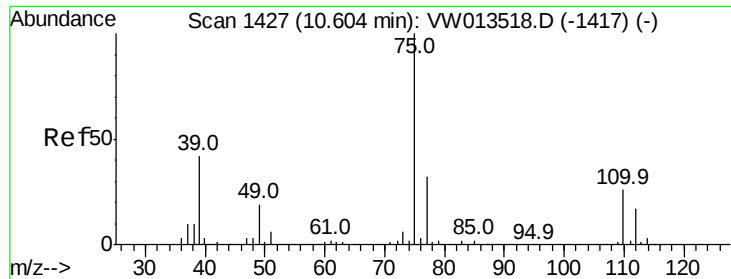
Tgt Ion: 43 Resp: 20714
 Ion Ratio Lower Upper
 43 100
 58 38.3 32.0 48.0
 100 16.2 13.7 20.5



#44
 Toluene
 Concen: 2.539 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW013522.D
 Acq: 10 Oct 2019 16:03

Tgt Ion: 91 Resp: 71472
 Ion Ratio Lower Upper
 91 100
 92 58.2 40.0 74.4





#45

trans-1,3-Dichloropropene

Concen: 2.224 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW013522.D

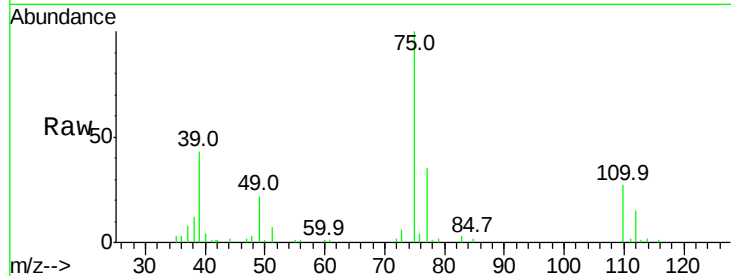
Acq: 10 Oct 2019 16:03

Tgt Ion: 75 Resp: 17797

Ion Ratio Lower Upper

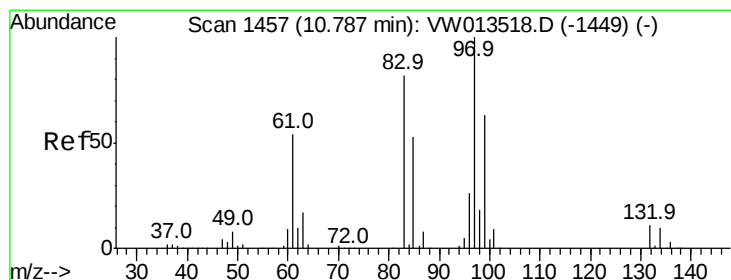
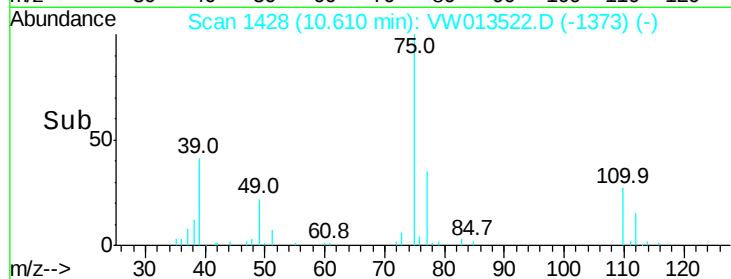
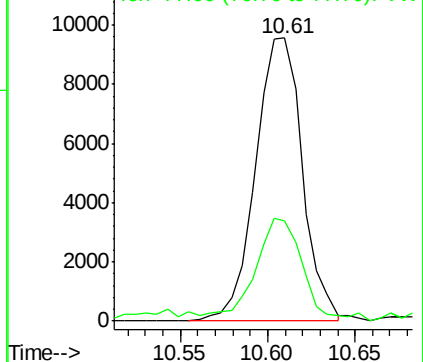
75 100

77 35.3 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#46

1,1,2-Trichloroethane

Concen: 2.324 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013522.D

Acq: 10 Oct 2019 16:03

Tgt Ion: 97 Resp: 11217

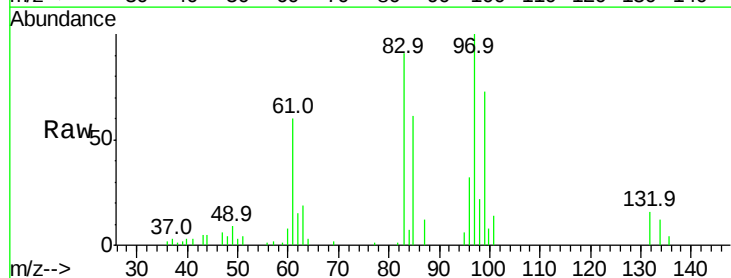
Ion Ratio Lower Upper

97 100

83 90.6 57.5 106.9

85 61.1 36.8 68.4

99 73.4 44.0 81.6

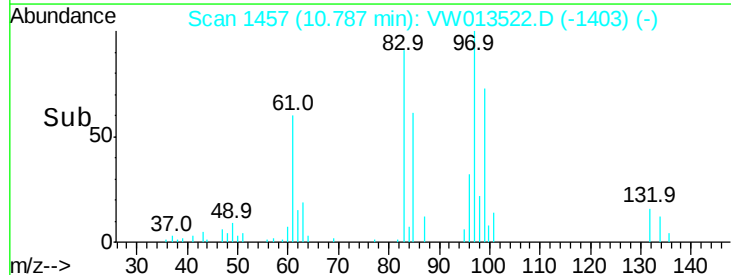
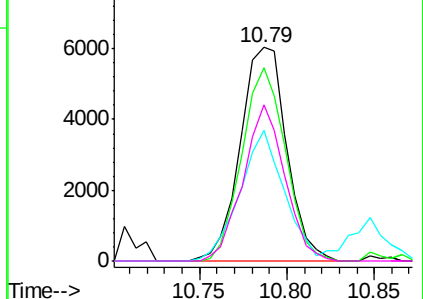


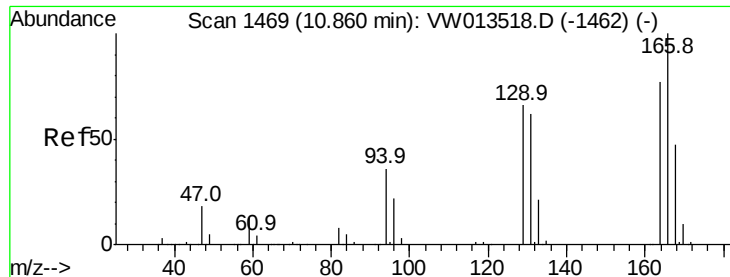
Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

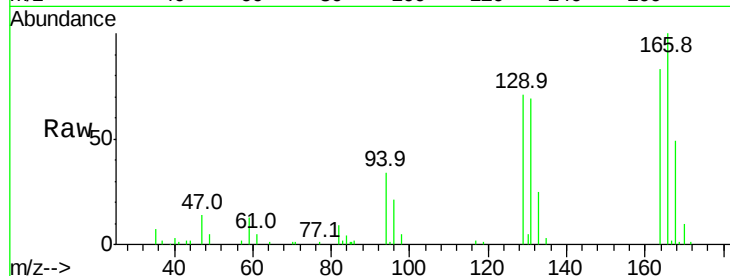
Ion 99.00 (98.70 to 99.70): VW



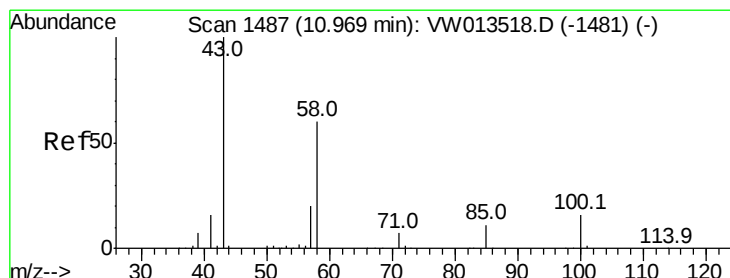
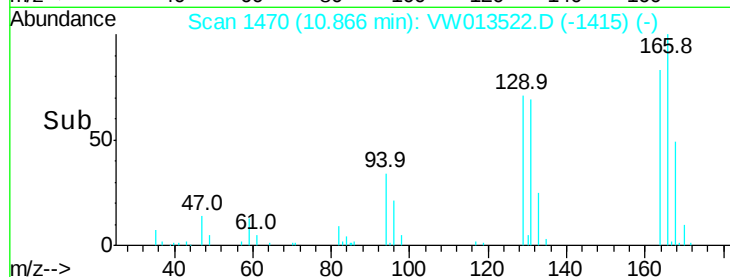
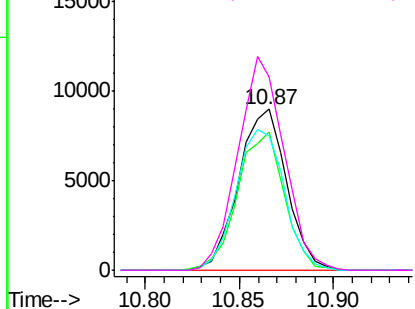


#47
Tetrachloroethene
Concen: 2.571 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW013522.D
Acq: 10 Oct 2019 16:03

Tgt Ion:	164	Resp:	15892
Ion	Ratio	Lower	Upper
164	100		
129	85.9	60.2	111.8
131	83.4	57.0	105.9
166	120.5	91.2	169.4

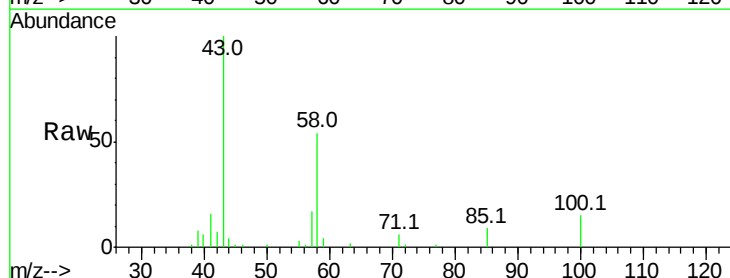


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

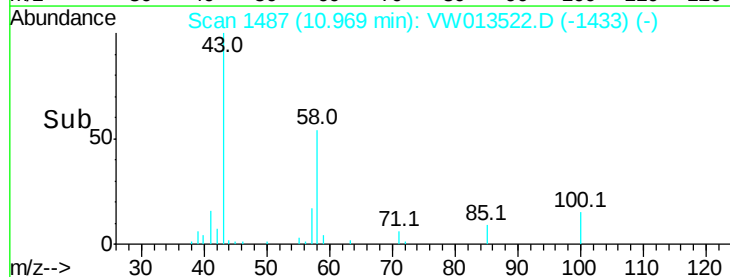
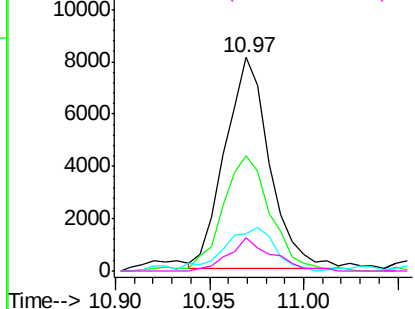


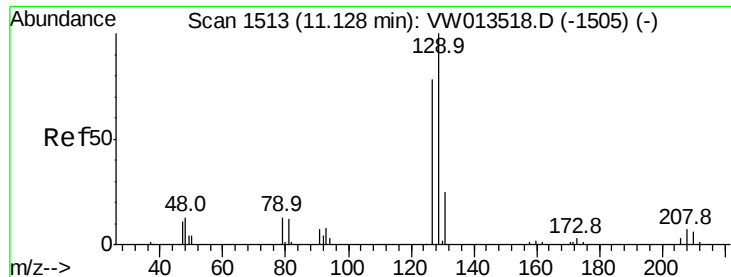
#49
2-Hexanone
Concen: 4.331 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013522.D
Acq: 10 Oct 2019 16:03

Tgt Ion:	43	Resp:	13349
Ion	Ratio	Lower	Upper
43	100		
58	56.7	45.2	67.8
57	21.7	15.8	23.8
100	14.9	11.0	16.6



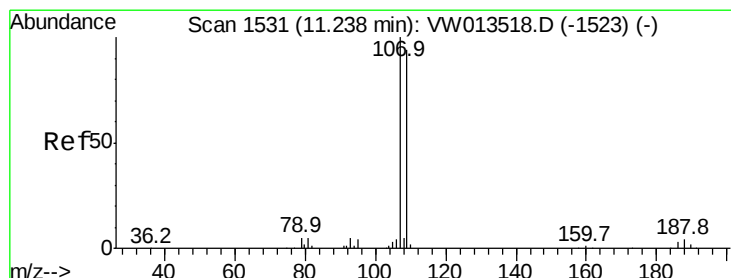
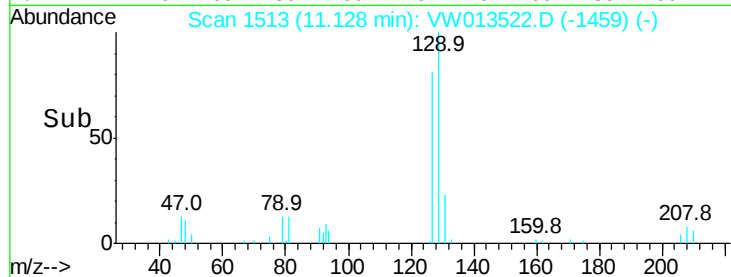
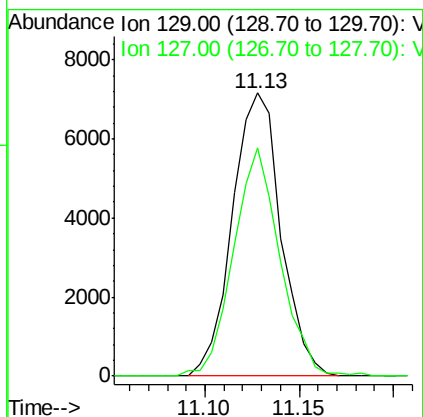
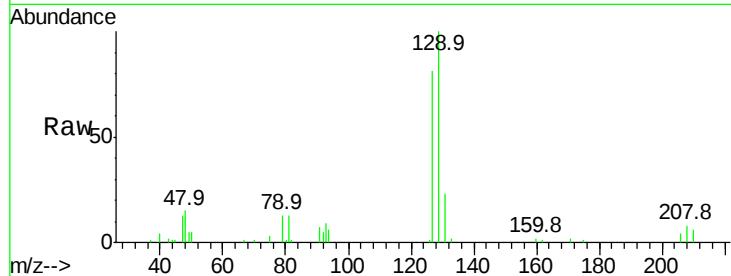
Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW





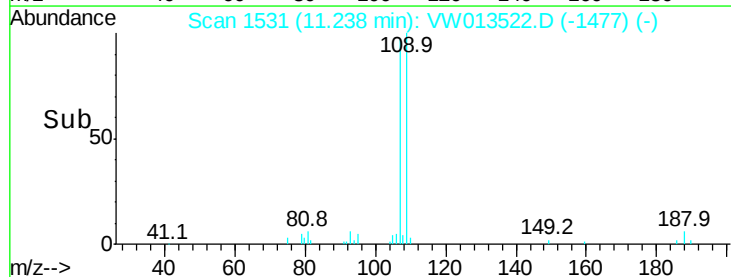
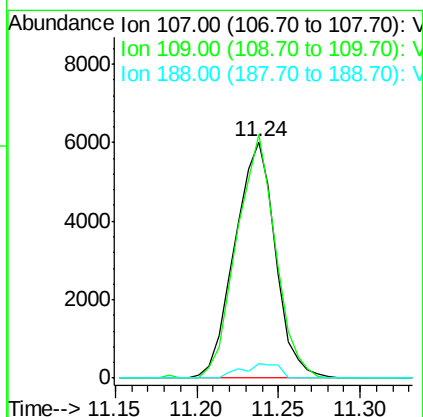
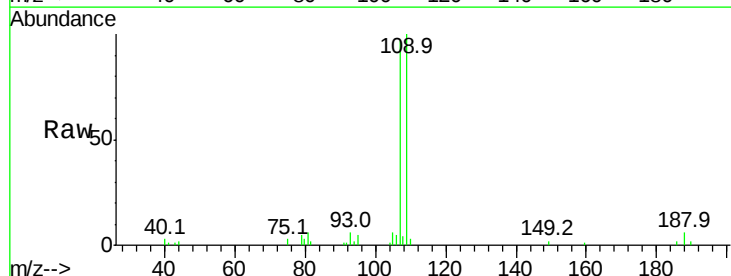
#50
 Dibromochloromethane
 Concen: 2.243 ug/L
 RT: 11.13 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VW013522.D
 Acq: 10 Oct 2019 16:03

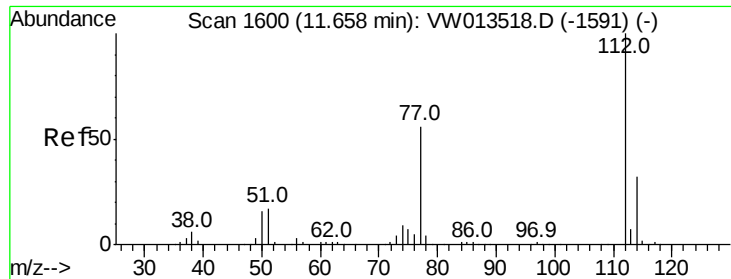
Tgt Ion:129 Resp: 12757
 Ion Ratio Lower Upper
 129 100
 127 80.7 54.7 101.5



#51
 1,2-Dibromoethane
 Concen: 2.224 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW013522.D
 Acq: 10 Oct 2019 16:03

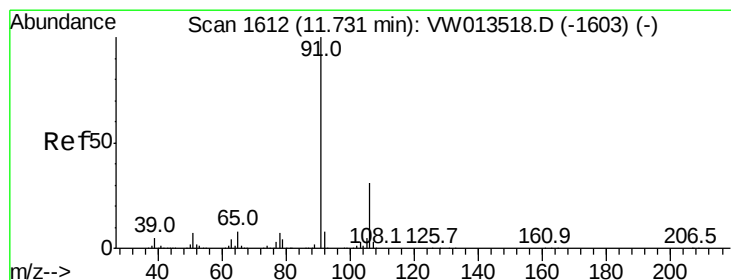
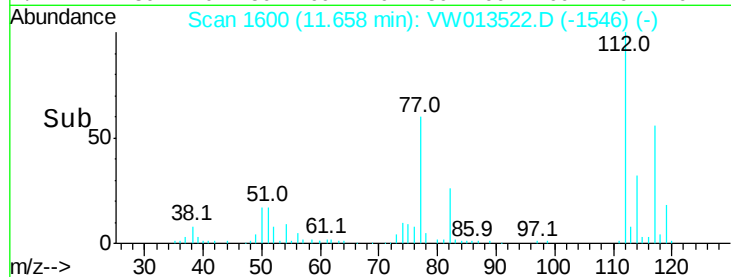
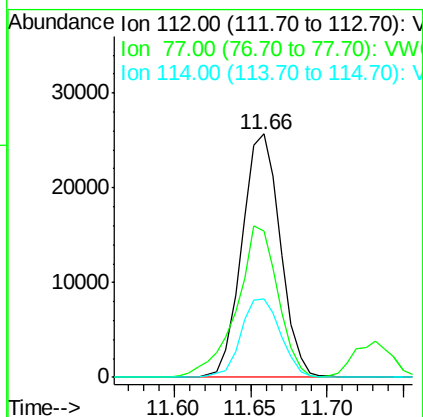
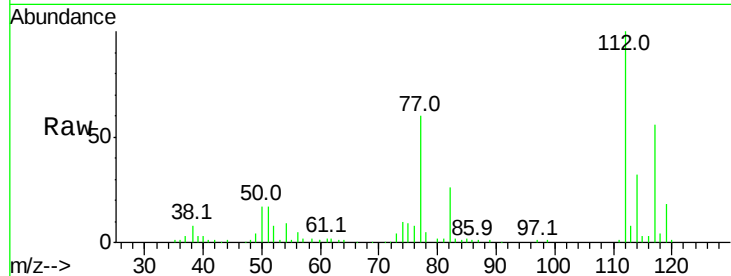
Tgt Ion:107 Resp: 10459
 Ion Ratio Lower Upper
 107 100
 109 103.2 65.5 121.7
 188 5.9 3.6 5.4#





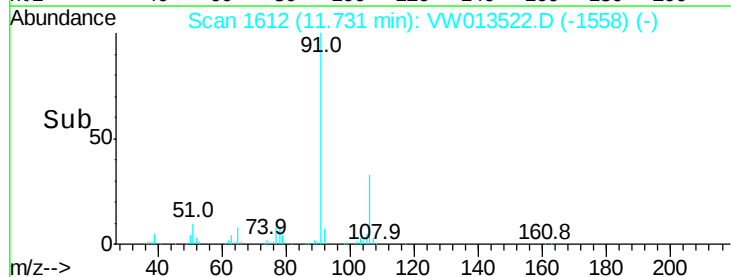
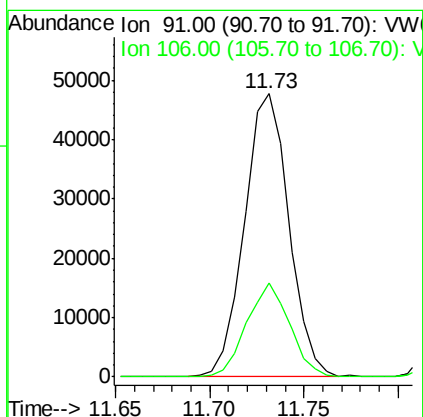
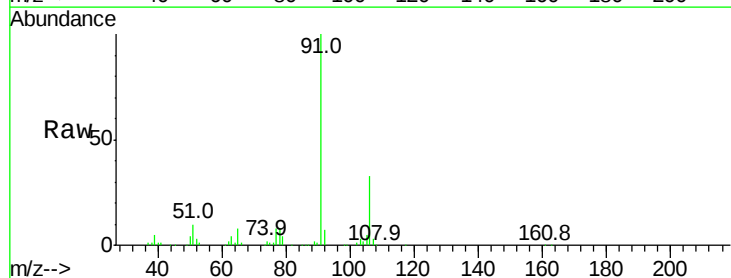
#52
Chlorobenzene
Concen: 2.519 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013522.D
Acq: 10 Oct 2019 16:03

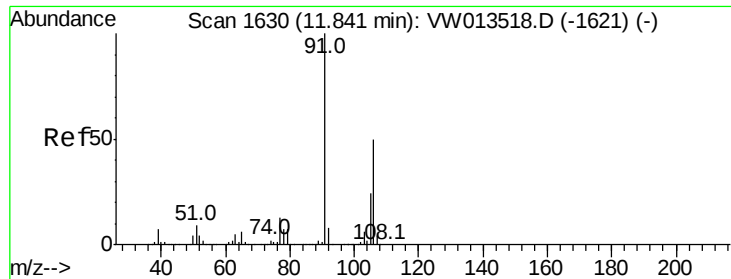
Tgt Ion: 112 Resp: 44764
Ion Ratio Lower Upper
112 100
77 60.2 44.5 66.7
114 32.1 22.7 42.3



#53
Ethylbenzene
Concen: 2.504 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013522.D
Acq: 10 Oct 2019 16:03

Tgt Ion: 91 Resp: 78033
Ion Ratio Lower Upper
91 100
106 33.1 21.5 39.9





#54

m,p-Xylene

Concen: 2.576 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013522.D

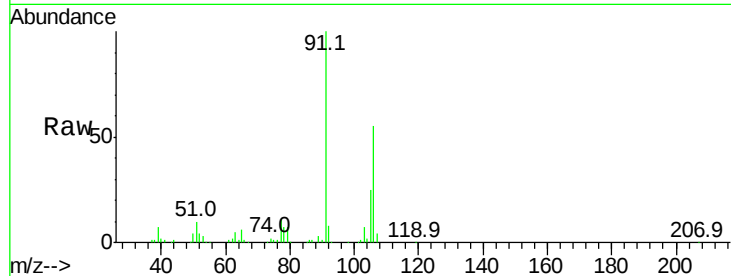
Acq: 10 Oct 2019 16:03

Tgt Ion:106 Resp: 31116

Ion Ratio Lower Upper

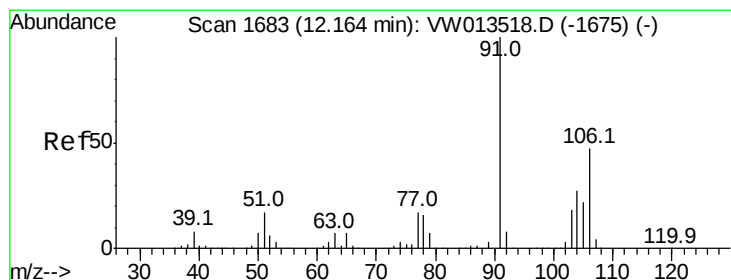
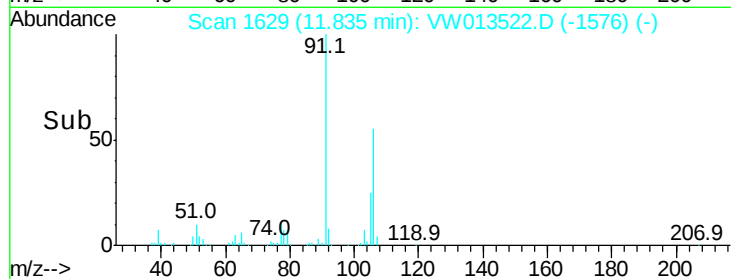
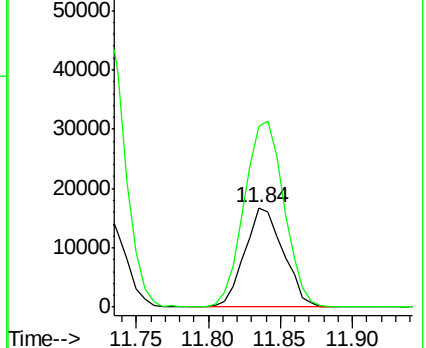
106 100

91 182.3 139.4 258.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 2.471 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW013522.D

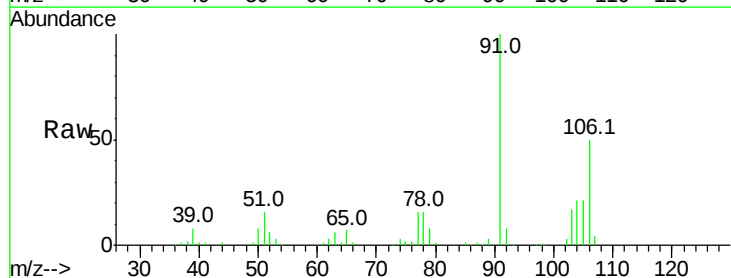
Acq: 10 Oct 2019 16:03

Tgt Ion:106 Resp: 27964

Ion Ratio Lower Upper

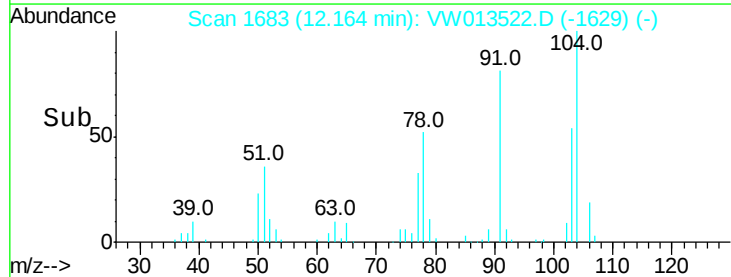
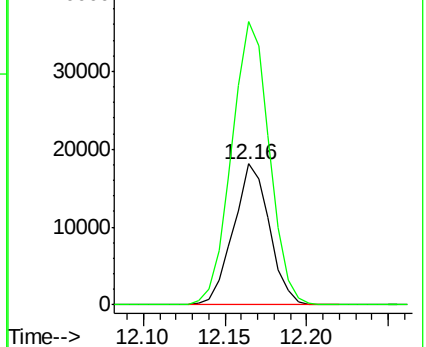
106 100

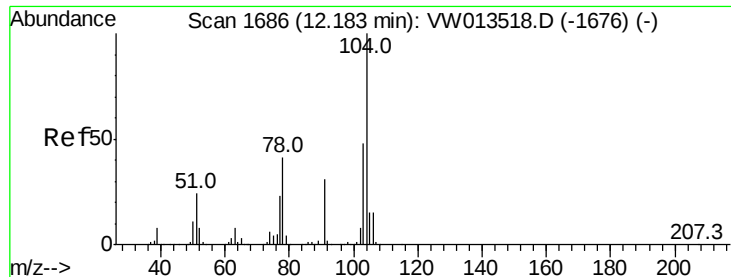
91 200.8 148.4 275.6



Abundance Ion 106.00 (105.70 to 106.70): V

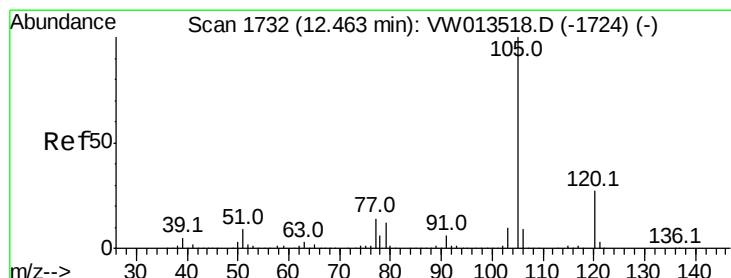
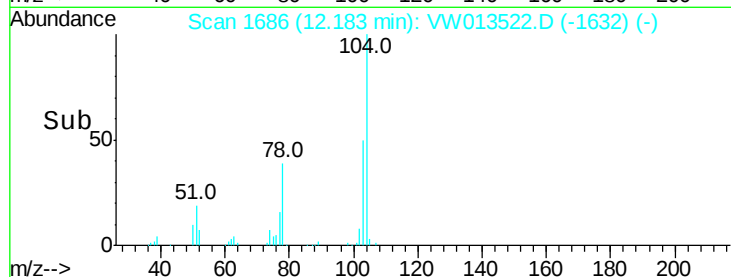
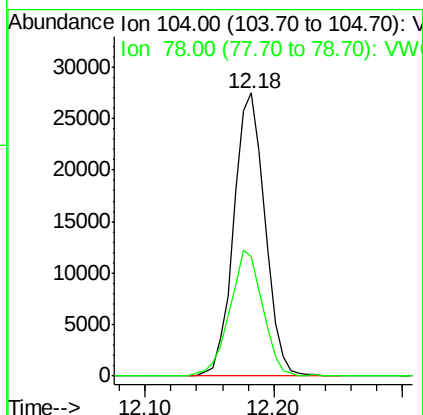
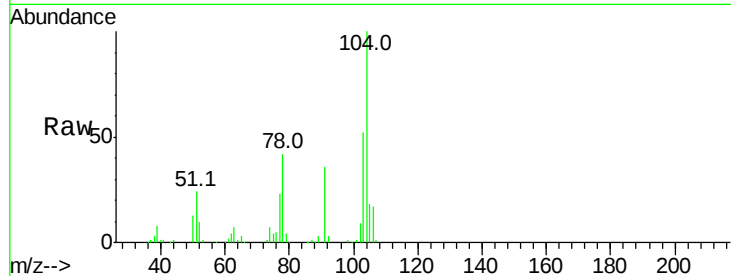
Ion 91.00 (90.70 to 91.70): VW





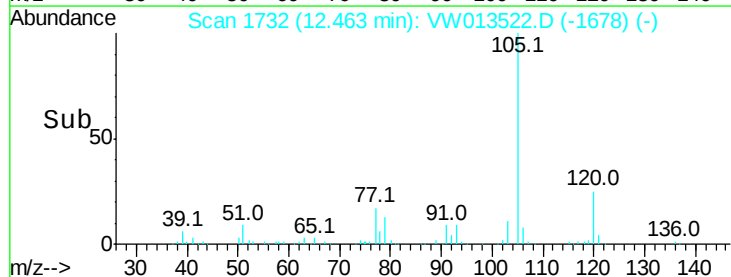
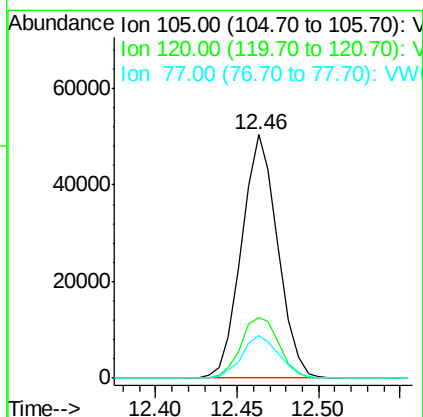
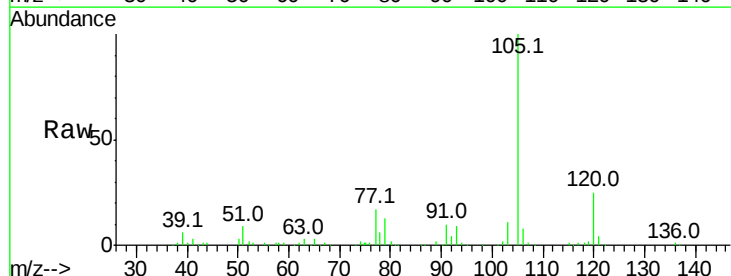
#56
Styrene
Concen: 2.395 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013522.D
Acq: 10 Oct 2019 16:03

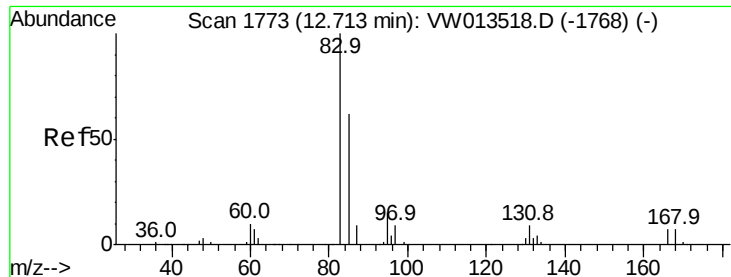
Tgt Ion:104 Resp: 46252
Ion Ratio Lower Upper
104 100
78 42.4 28.4 52.8



#57
Isopropylbenzene
Concen: 2.512 ug/L
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW013522.D
Acq: 10 Oct 2019 16:03

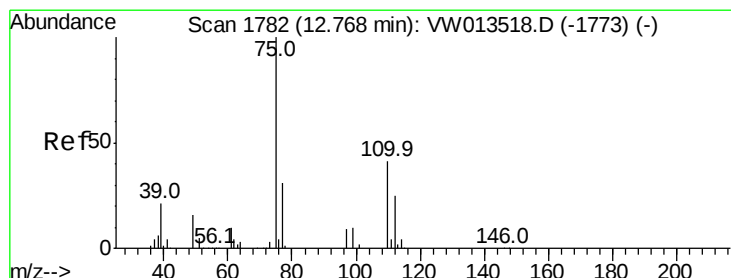
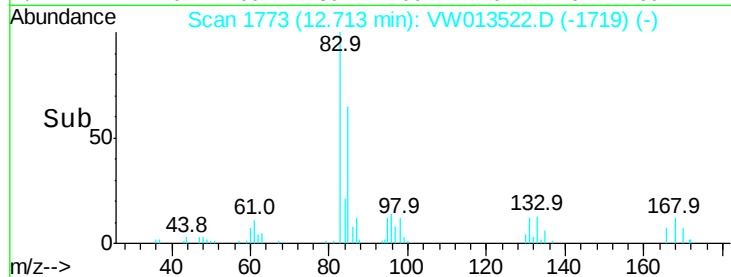
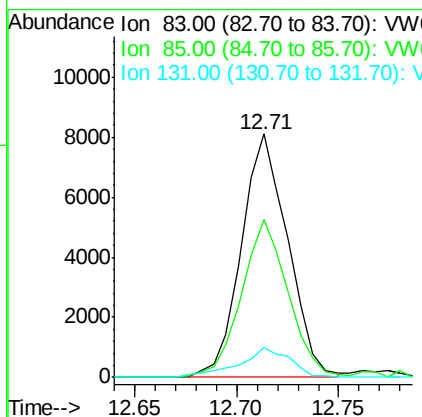
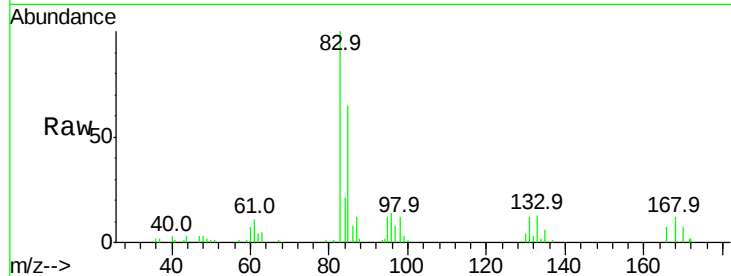
Tgt Ion:105 Resp: 77579
Ion Ratio Lower Upper
105 100
120 26.4 21.7 32.5
77 18.0 11.8 17.6#





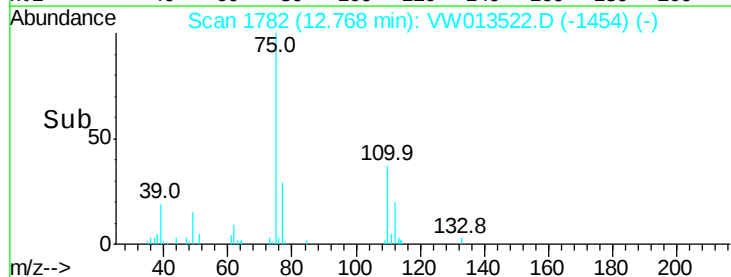
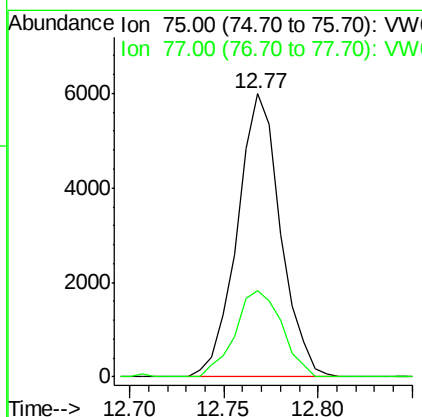
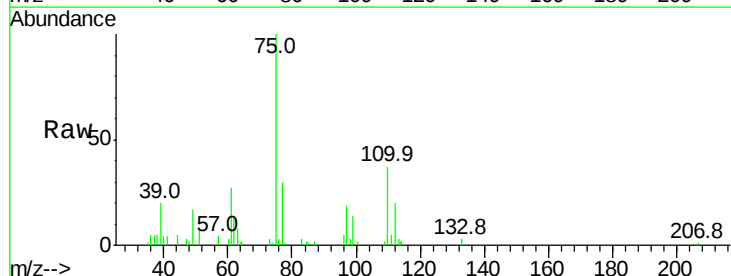
#58
 1,1,2,2-Tetrachloroethane
 Concen: 2.239 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW013522.D
 Acq: 10 Oct 2019 16:03

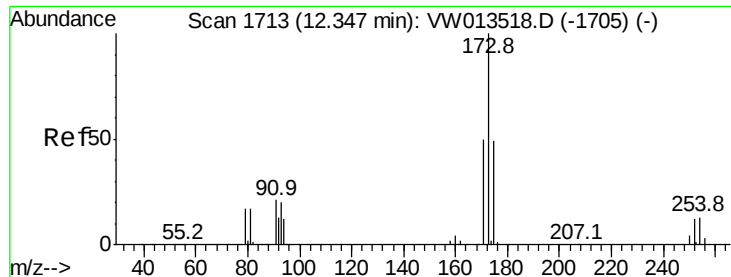
Tgt Ion: 83 Resp: 12806
 Ion Ratio Lower Upper
 83 100
 85 65.1 44.7 83.1
 131 12.4 7.8 11.6#



#59
 1,2,3-Trichloropropane
 Concen: 2.221 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW013522.D
 Acq: 10 Oct 2019 16:03

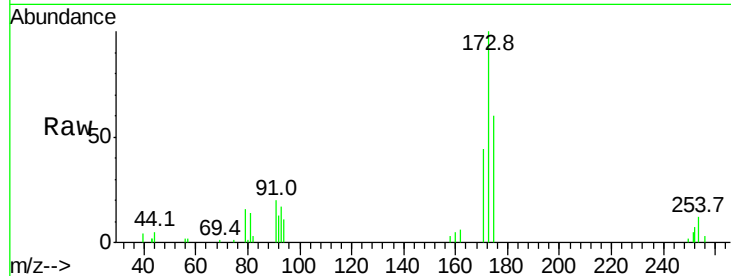
Tgt Ion: 75 Resp: 9539
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.5 38.3



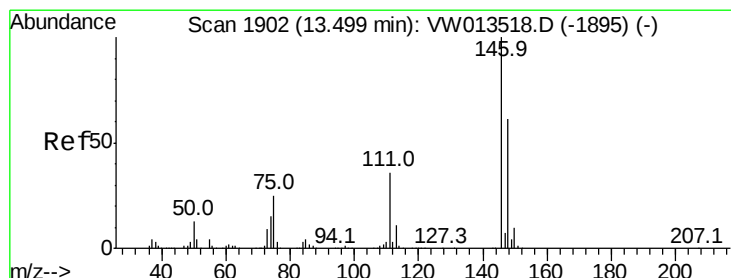
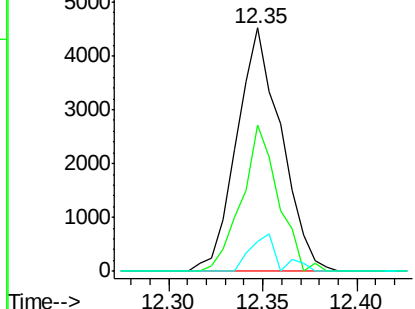
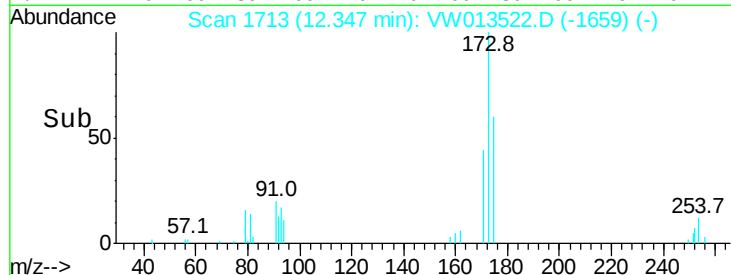


#62
Bromoform
Concen: 2.144 ug/L
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013522.D
Acq: 10 Oct 2019 16:03

Tgt Ion:173 Resp: 7379
Ion Ratio Lower Upper
173 100
175 48.4 39.0 58.6
254 8.0 10.1 15.1#

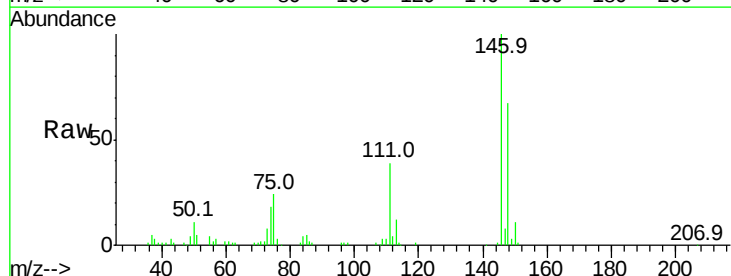


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

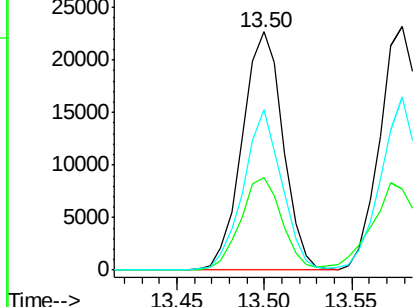
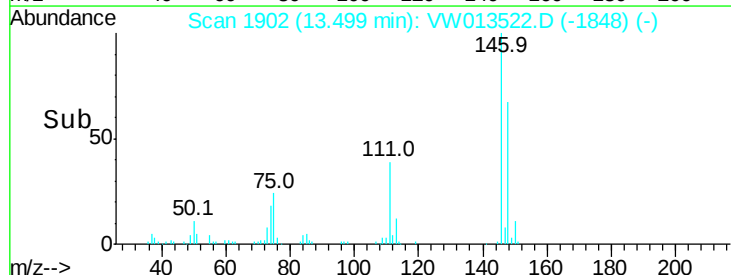


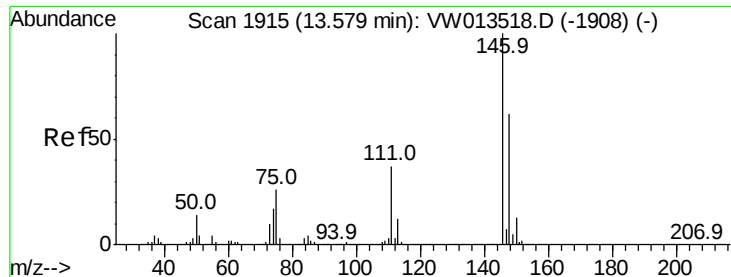
#63
1,3-Dichlorobenzene
Concen: 2.638 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW013522.D
Acq: 10 Oct 2019 16:03

Tgt Ion:146 Resp: 36813
Ion Ratio Lower Upper
146 100
111 38.8 25.3 46.9
148 67.4 42.8 79.4



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





#64

1,4-Dichlorobenzene

Concen: 2.716 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW013522.D

Acq: 10 Oct 2019 16:03

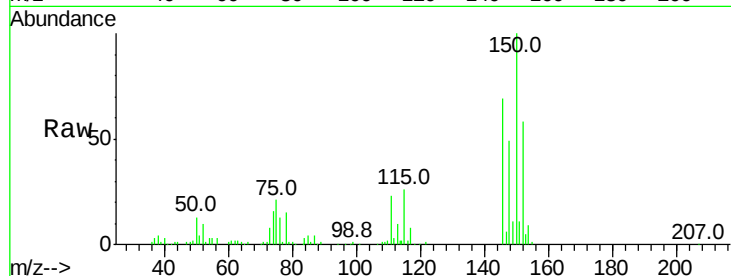
Tgt Ion:146 Resp: 37495

Ion Ratio Lower Upper

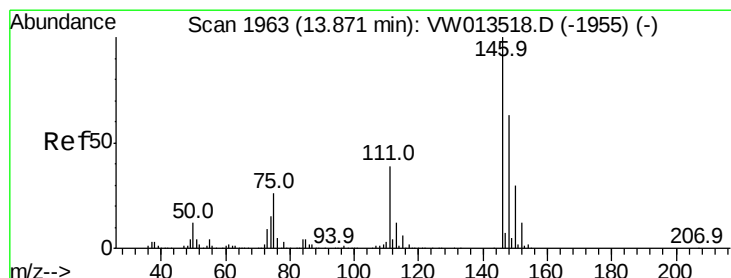
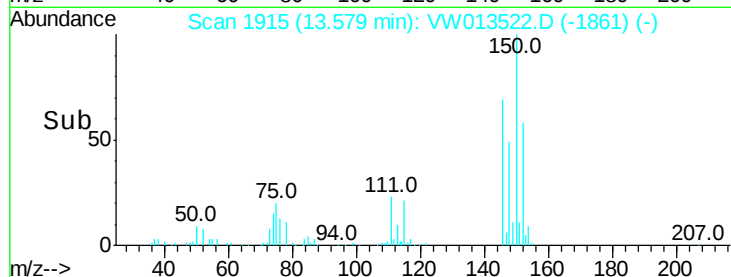
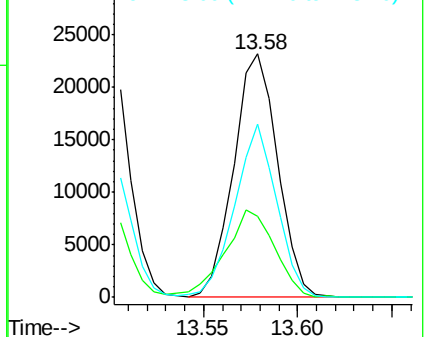
146 100

111 33.5 25.8 47.8

148 71.2 43.7 81.1



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



#65

1,2-Dichlorobenzene

Concen: 2.722 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013522.D

Acq: 10 Oct 2019 16:03

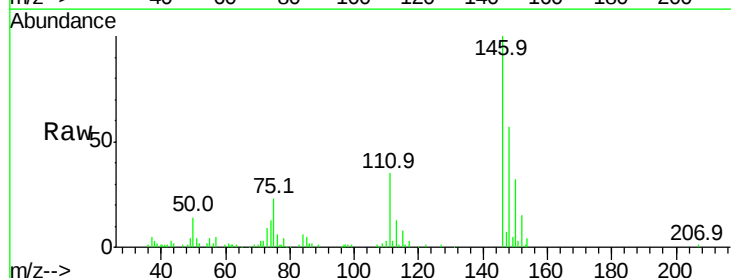
Tgt Ion:146 Resp: 33810

Ion Ratio Lower Upper

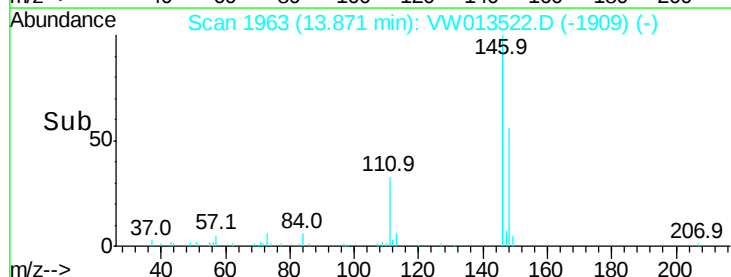
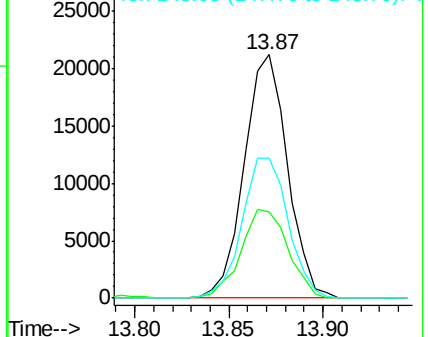
146 100

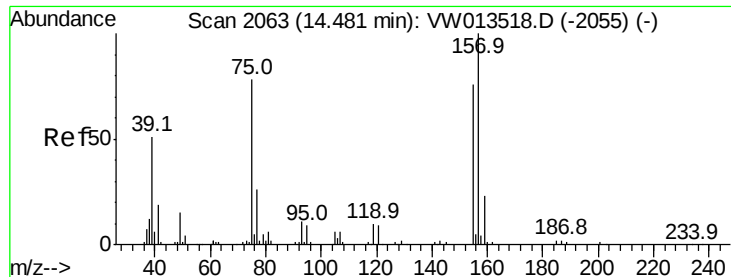
111 35.3 31.0 46.4

148 57.4 50.3 75.5



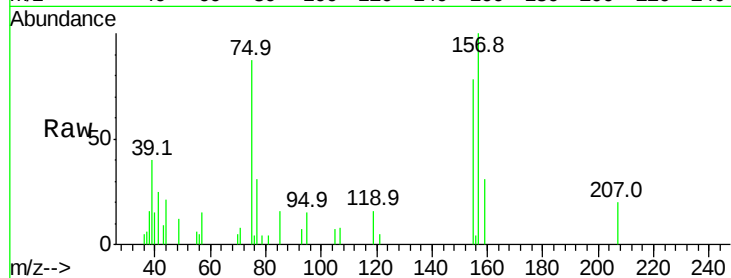
Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



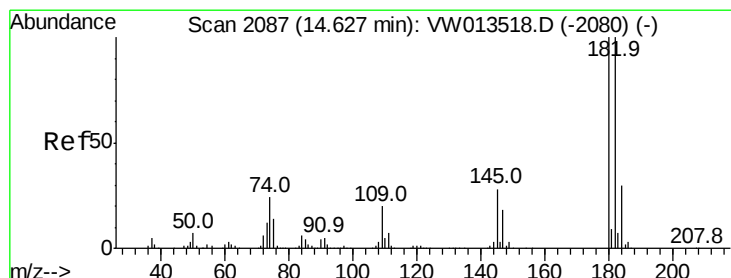
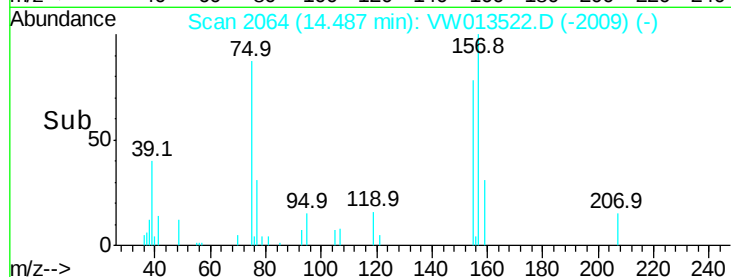
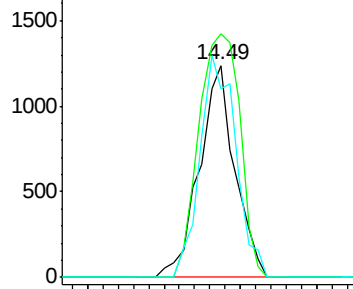


#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.316 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013522.D
 Acq: 10 Oct 2019 16:03

Tgt Ion: 75 Resp: 2005
 Ion Ratio Lower Upper
 75 100
 157 114.9 102.0 153.0
 155 89.1 77.6 116.4

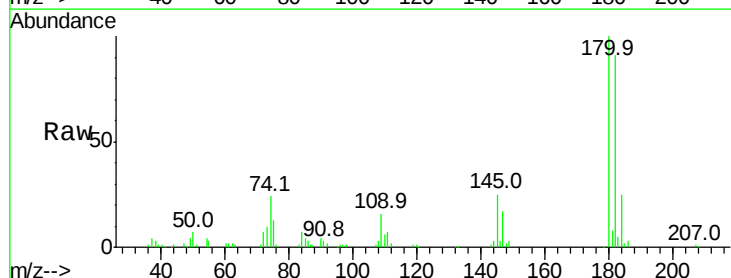


Abundance Ion 75.00 (74.70 to 75.70): VW
 Ion 157.00 (156.70 to 157.70): V
 Ion 155.00 (154.70 to 155.70): V

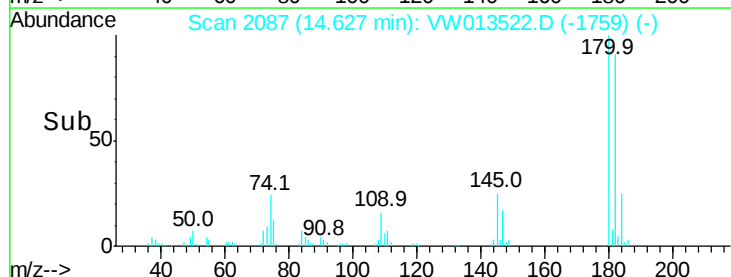
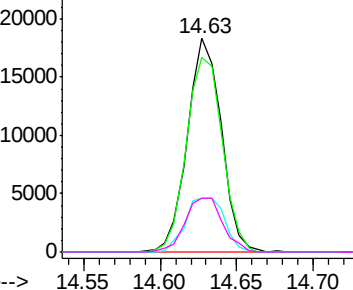


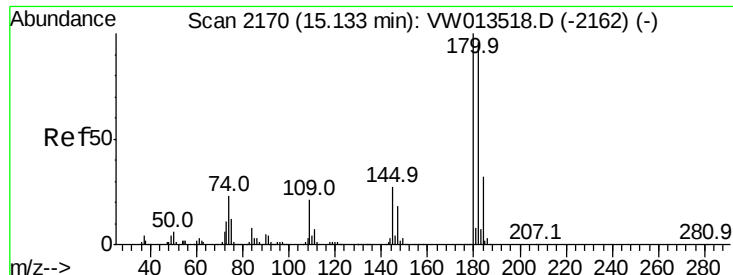
#67
 1,3,5-Trichlorobenzene
 Concen: 2.764 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW013522.D
 Acq: 10 Oct 2019 16:03

Tgt Ion: 180 Resp: 28303
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.0 115.4
 184 29.2 24.7 37.1
 145 27.8 22.2 33.2



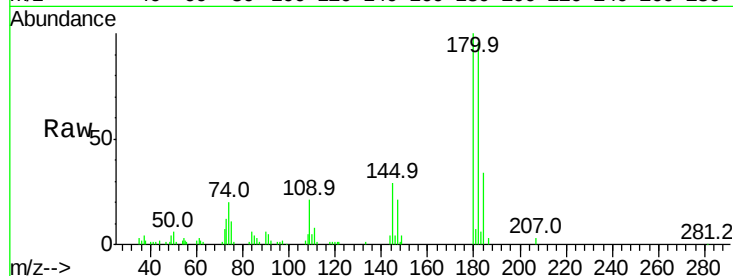
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



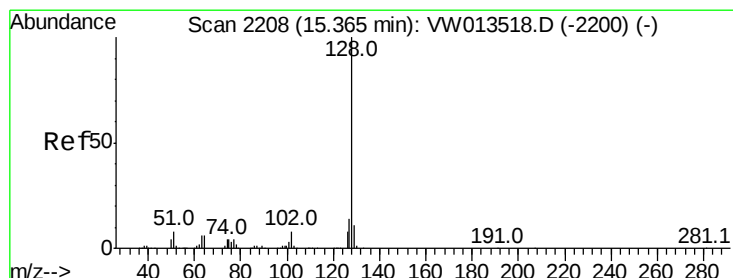
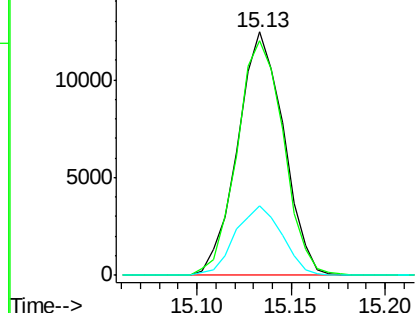
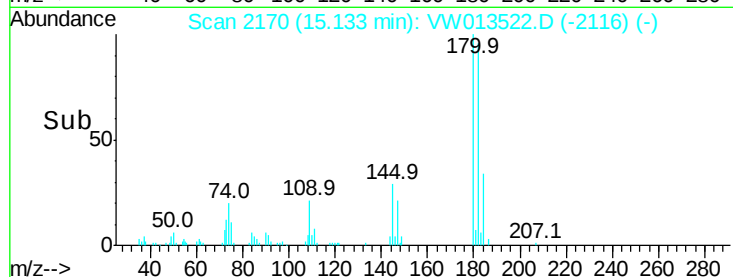


#68
 1,2,4-trichlorobenzene
 Concen: 2.485 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013522.D
 Acq: 10 Oct 2019 16:03

Tgt Ion:180 Resp: 21078
 Ion Ratio Lower Upper
 180 100
 182 97.4 78.2 117.2
 145 29.1 22.8 34.2

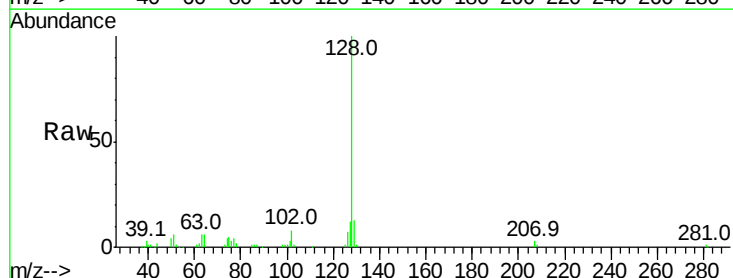


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

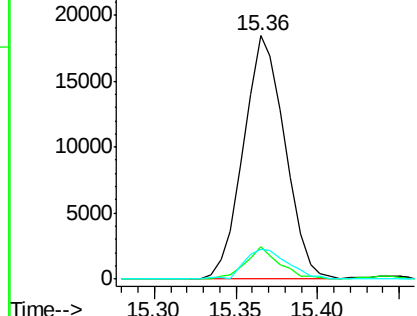
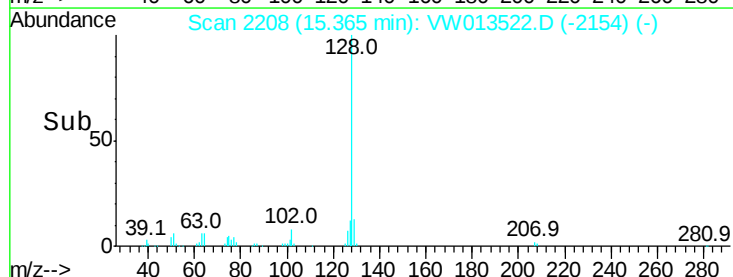


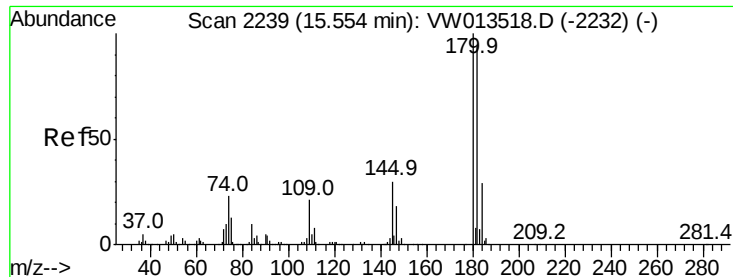
#69
 Naphthalene
 Concen: 2.103 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW013522.D
 Acq: 10 Oct 2019 16:03

Tgt Ion:128 Resp: 32633
 Ion Ratio Lower Upper
 128 100
 129 11.0 8.5 12.7
 127 12.5 10.4 15.6



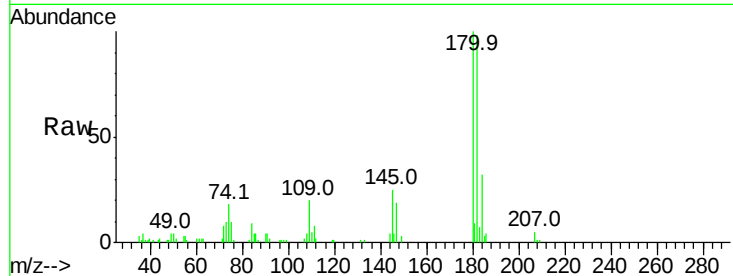
Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 2.606 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. 0.01 min
 Lab File: VW013522.D
 Acq: 10 Oct 2019 16:03

Tgt Ion:	180	Resp:	19642
Ion Ratio	Lower	Upper	
180	100		
182	94.2	76.0	114.0
145	27.7	23.1	34.7



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

