

Data File : VW010817.D
Acq On : 17 Jun 2019 09:47
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 18 05:49:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 11 12:42:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	430390	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	387425	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	178462	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	137377	21.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.68%
7) Chloroethane-d5	2.88	69	105458	22.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.76%
10) 1,1-Dichloroethene-d2	4.01	63	306490	23.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.36%
20) 2-Butanone-d5	7.08	46	121574	49.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.86%
24) Chloroform-d	7.65	84	207830	23.49	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.96%
26) 1,2-Dichloroethane-d4	8.31	65	164991	22.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.60%
29) Benzene-d6	8.27	84	546592	23.63	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.52%
33) 1,2-Dichloropropane-d6	9.27	67	178690	24.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.32%
37) Toluene-d8	10.32	98	496768	23.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.60%
38) trans-1,3-Dichloropropene-	10.58	79	82737	24.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.60%
39) 2-Hexanone-d5	10.93	63	86624	48.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	149796	23.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	161612	23.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	172918	25.090 ug/L	99
3) Chloromethane	2.21	50	184482	24.070 ug/L	100
5) Vinyl chloride	2.35	62	174976	24.901 ug/L	99
6) Bromomethane	2.77	94	77012	24.330 ug/L	100
8) Chloroethane	2.92	64	101769	24.730 ug/L	97
9) Trichlorofluoromethane	3.26	101	238368	25.640 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	136119	25.025 ug/L	98
12) 1,1-Dichloroethene	4.04	96	124591	24.896 ug/L	96
13) Acetone	4.13	43	120963	45.779 ug/L	100
14) Carbon disulfide	4.38	76	356599	24.147 ug/L	99
15) Methyl Acetate	4.67	43	102100	24.067 ug/L	100
16) Methylene chloride	4.92	84	136531	23.117 ug/L	97
17) Methyl tert-butyl Ether	5.42	73	407576	24.595 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	137103	24.571 ug/L	100
19) 1,1-Dichloroethane	6.21	63	292453	25.153 ug/L	99
21) 2-Butanone	7.17	43	160805	44.555 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	155096	24.427 ug/L	96

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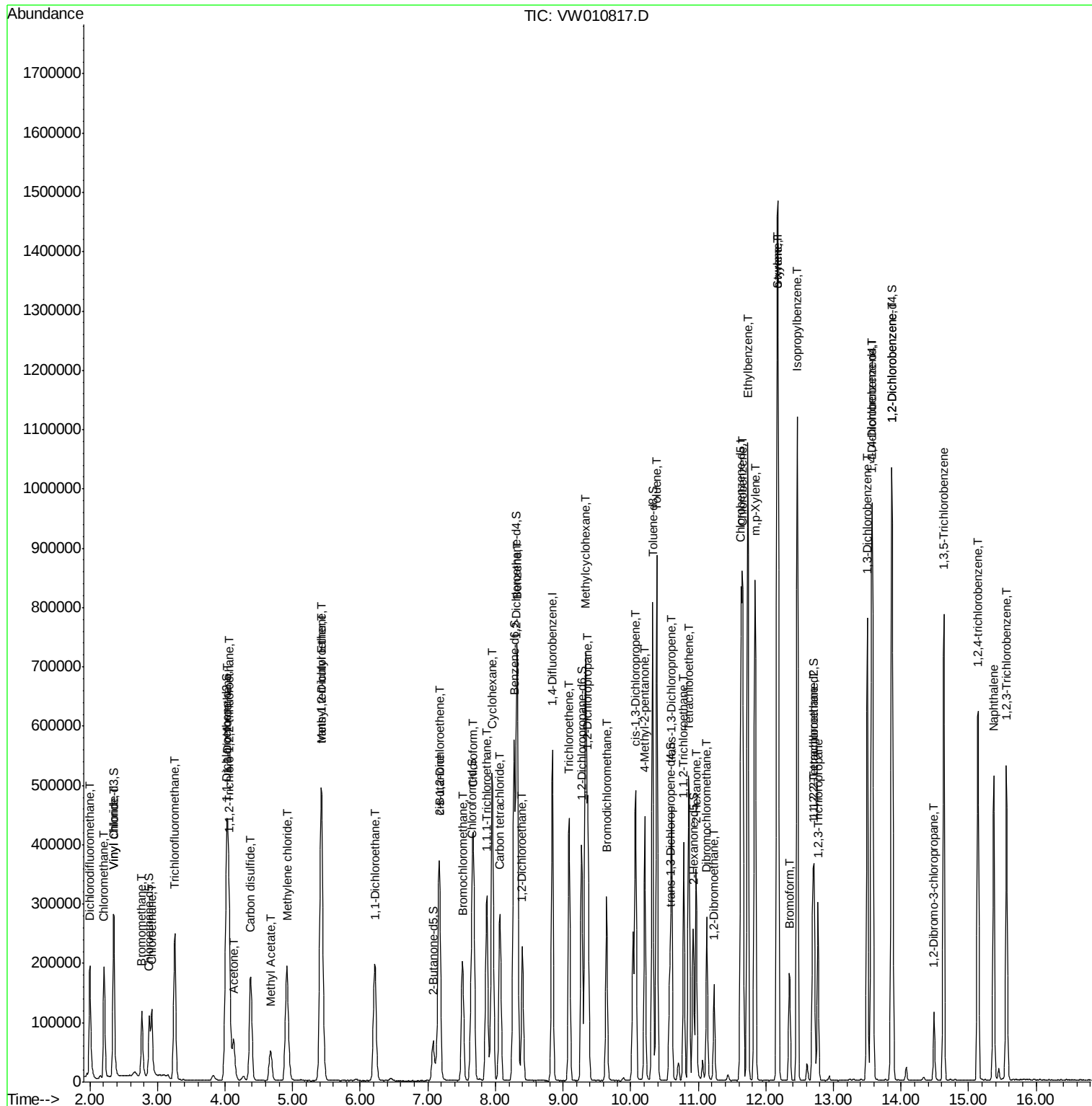
Quant Time: Jun 18 05:49:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
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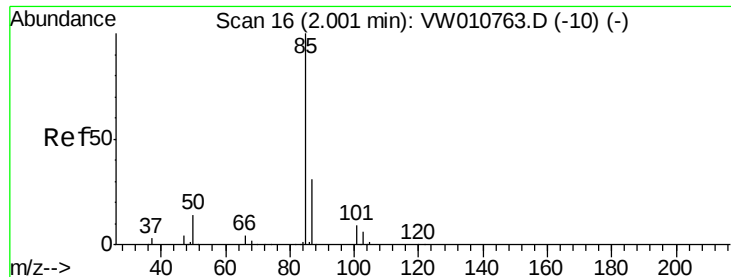
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	62392	23.954	ug/L	99
25) Chloroform	7.67	83	339509	25.371	ug/L	100
27) 1,2-Dichloroethane	8.40	62	207071	24.200	ug/L	99
30) Cyclohexane	7.95	56	286247	24.936	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	241845	26.120	ug/L	99
32) Carbon tetrachloride	8.07	117	205098	26.566	ug/L	99
34) Benzene	8.32	78	592252	24.853	ug/L	100
35) Trichloroethene	9.09	95	152845	25.029	ug/L	99
36) Methylcyclohexane	9.34	83	266405	24.762	ug/L	99
40) 1,2-Dichloropropane	9.37	63	166691	25.097	ug/L	100
41) Bromodichloromethane	9.64	83	205765	26.309	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	261998	25.768	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	312798	49.015	ug/L	100
44) Toluene	10.39	91	622086	24.926	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	227010	26.516	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	116367	24.611	ug/L	99
47) Tetrachloroethene	10.86	164	113807	24.870	ug/L	98
49) 2-Hexanone	10.97	43	238468	50.410	ug/L	99
50) Dibromochloromethane	11.13	129	134067	25.585	ug/L	97
51) 1,2-Dibromoethane	11.24	107	110199	24.341	ug/L	100
52) Chlorobenzene	11.66	112	385502	24.775	ug/L	99
53) Ethylbenzene	11.73	91	717934	25.135	ug/L	100
54) m,p-Xylene	11.84	106	253207	24.600	ug/L	97
55) o-xylene	12.16	106	249378	24.985	ug/L	99
56) Styrene	12.18	104	430725	24.800	ug/L	99
57) Isopropylbenzene	12.46	105	692025	25.323	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	155875	24.605	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	122134	24.387	ug/L	100
62) Bromoform	12.35	173	80877	26.720	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	294987	25.617	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	295007	25.314	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	270494	25.108	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	28345	24.959	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	226794	25.951	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	194268	26.636	ug/L	100
69) Naphthalene	15.37	128	416419	27.005	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	171477	26.241	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 25.090 ug/L

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW010817.D

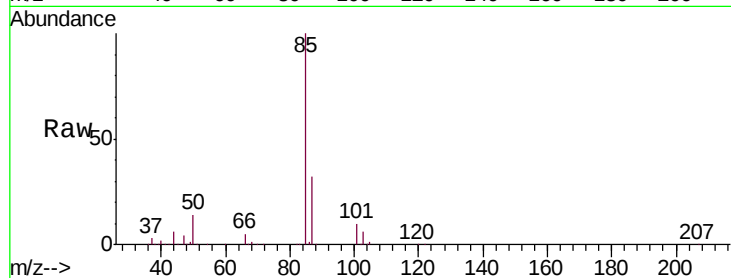
Acq: 17 Jun 2019 09:47

Tgt Ion: 85 Resp: 172918

Ion Ratio Lower Upper

85 100

87 32.4 22.4 41.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.00

100000

80000

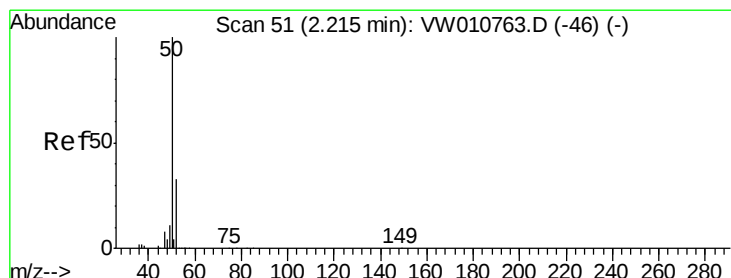
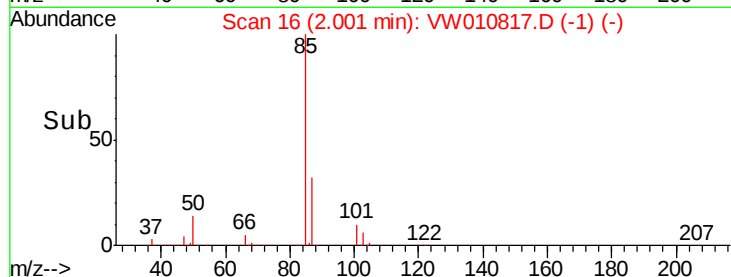
60000

40000

20000

0

Time--> 1.90 1.95 2.00 2.05 2.10



#3

Chloromethane

Concen: 24.070 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010817.D

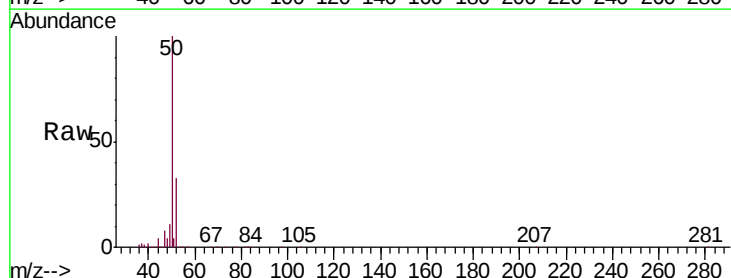
Acq: 17 Jun 2019 09:47

Tgt Ion: 50 Resp: 184482

Ion Ratio Lower Upper

50 100

52 32.5 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21

120000

100000

80000

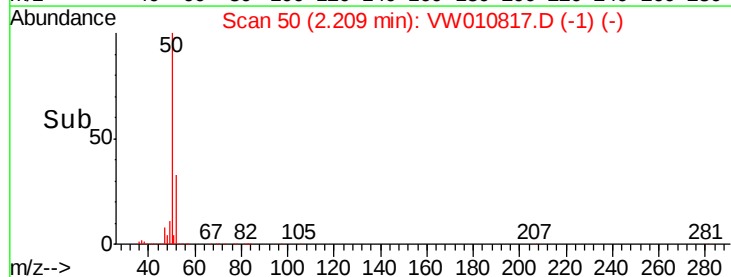
60000

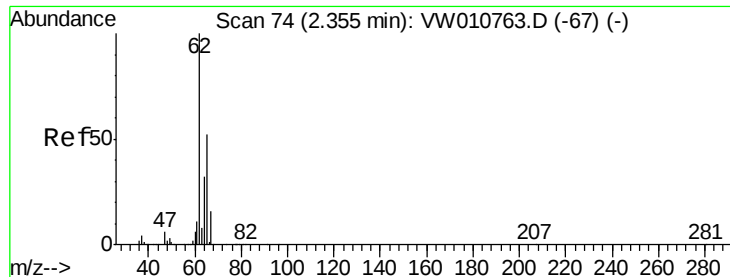
40000

20000

0

Time--> 2.10 2.20 2.30





#5

Vinyl chloride

Concen: 24.901 ug/L

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW010817.D

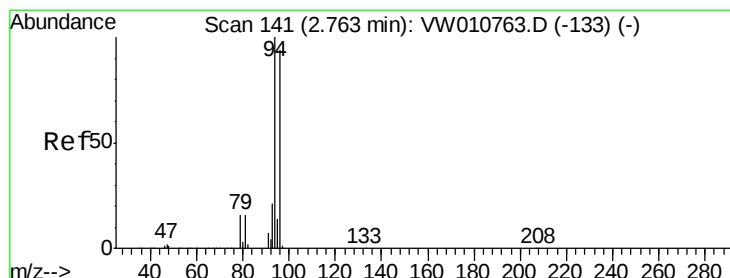
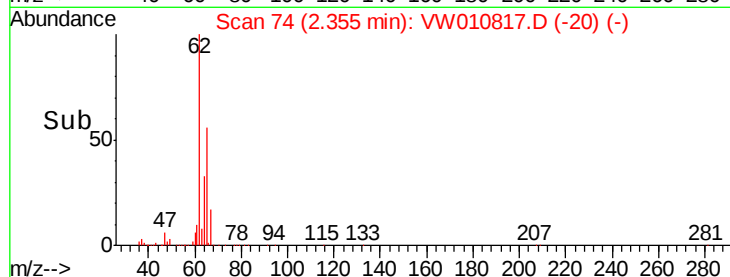
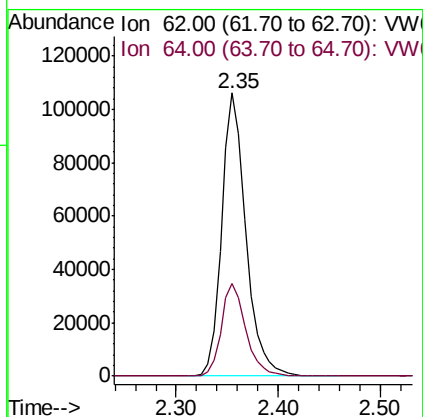
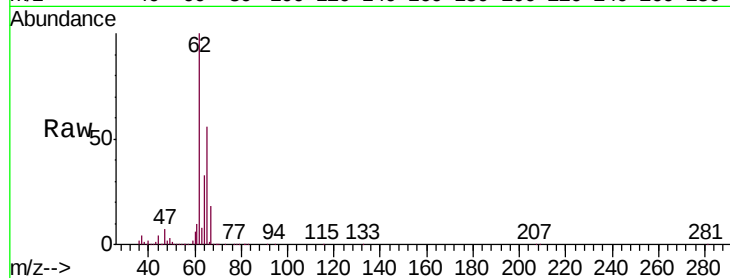
Acq: 17 Jun 2019 09:47

Tgt Ion: 62 Resp: 174976

Ion Ratio Lower Upper

62 100

64 32.5 22.4 41.6



#6

Bromomethane

Concen: 24.330 ug/L

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW010817.D

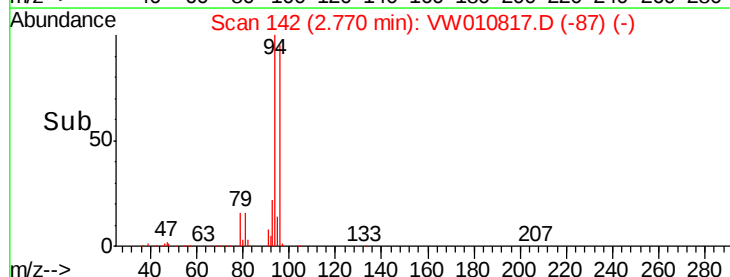
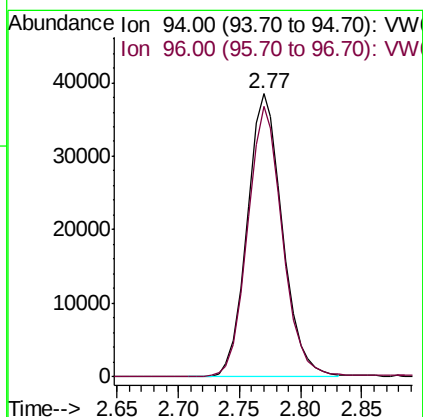
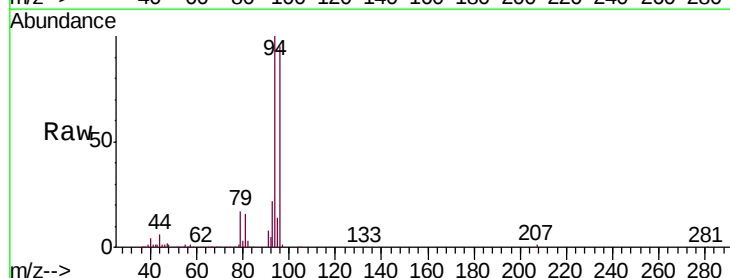
Acq: 17 Jun 2019 09:47

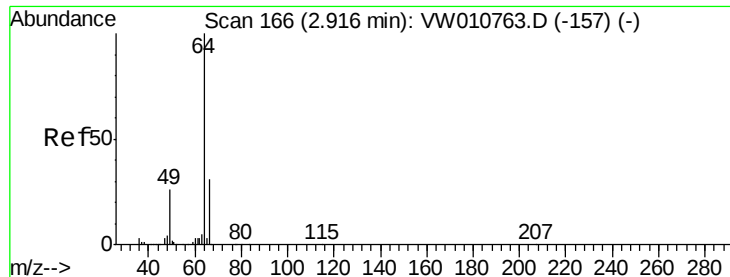
Tgt Ion: 94 Resp: 77012

Ion Ratio Lower Upper

94 100

96 95.1 9.5 180.7





#8

Chloroethane

Concen: 24.730 ug/L

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW010817.D

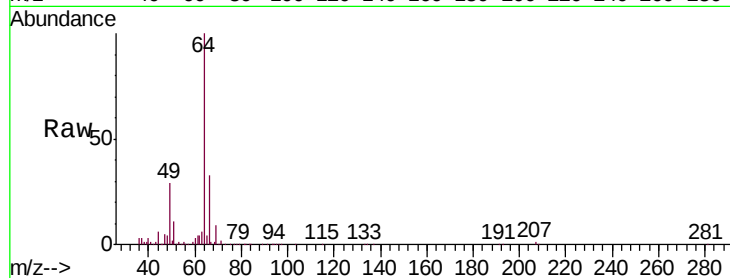
Acq: 17 Jun 2019 09:47

Tgt Ion: 64 Resp: 101769

Ion Ratio Lower Upper

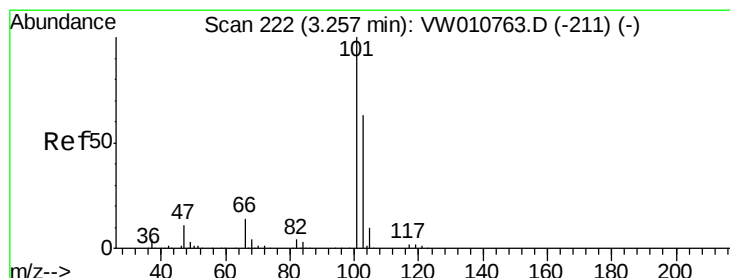
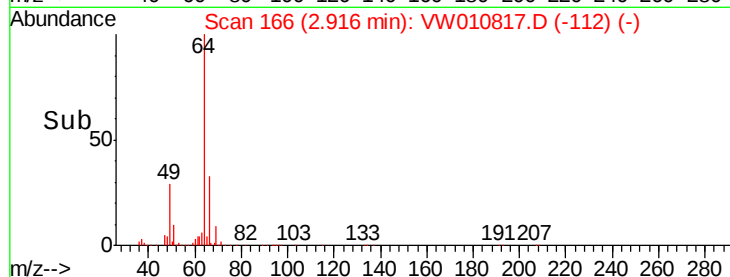
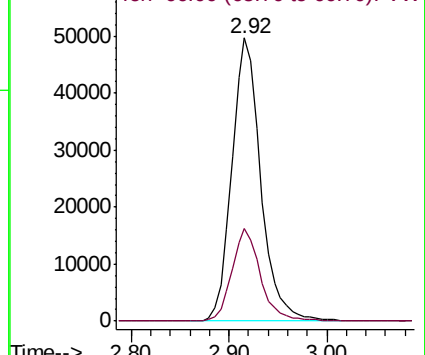
64 100

66 32.8 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 25.640 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW010817.D

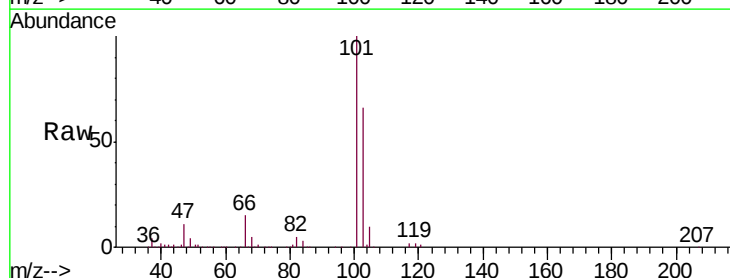
Acq: 17 Jun 2019 09:47

Tgt Ion: 101 Resp: 238368

Ion Ratio Lower Upper

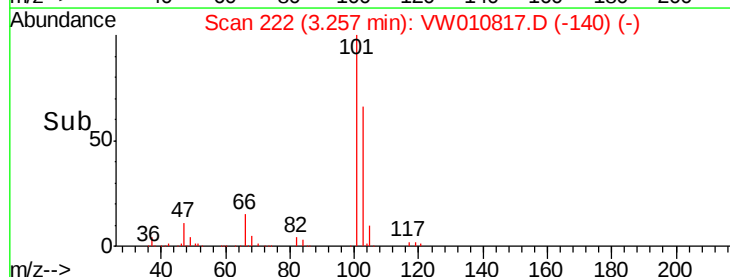
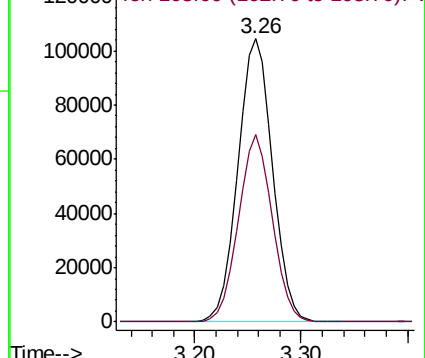
101 100

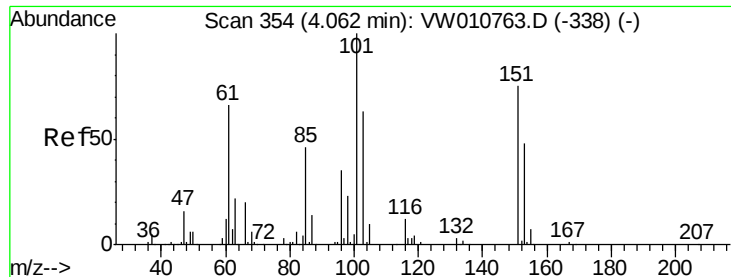
103 64.8 45.1 83.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 25.025 ug/L

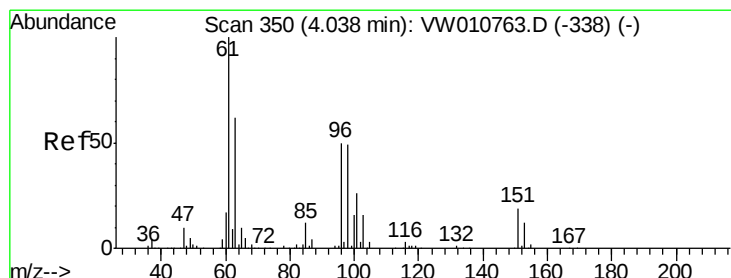
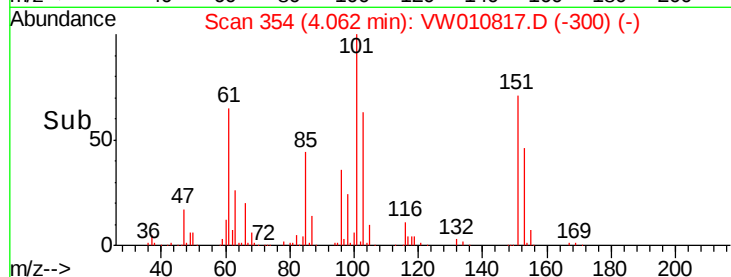
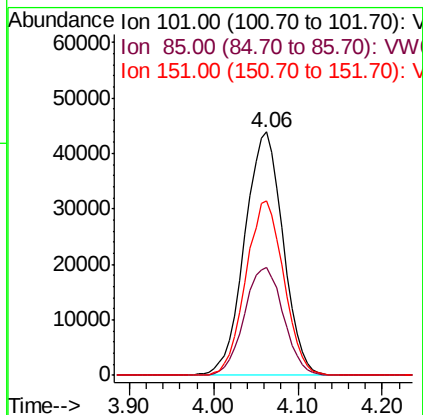
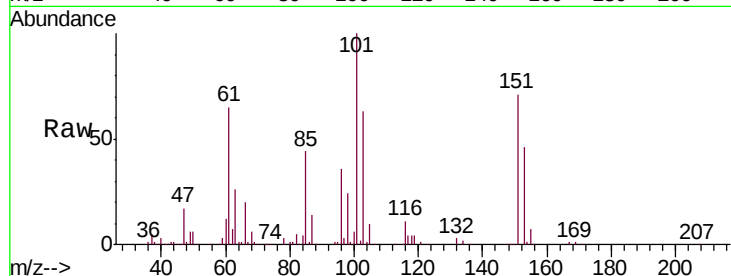
RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW010817.D

Acq: 17 Jun 2019 09:47

Tgt Ion:	101	Resp:	136119
Ion	Ratio	Lower	Upper
101	100		
85	44.9	35.9	53.9
151	70.9	58.6	88.0



#12

1,1-Dichloroethene

Concen: 24.896 ug/L

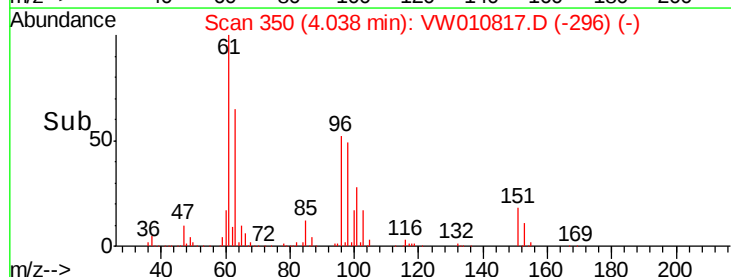
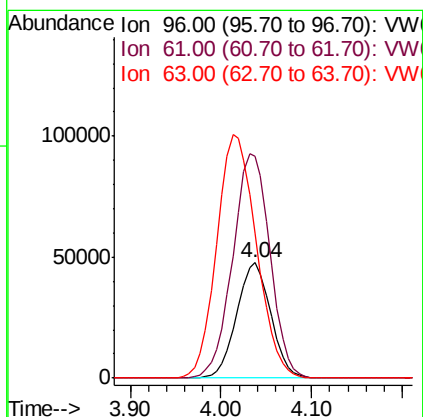
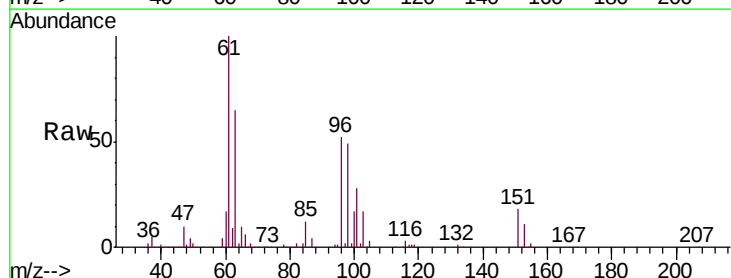
RT: 4.04 min Scan# 350

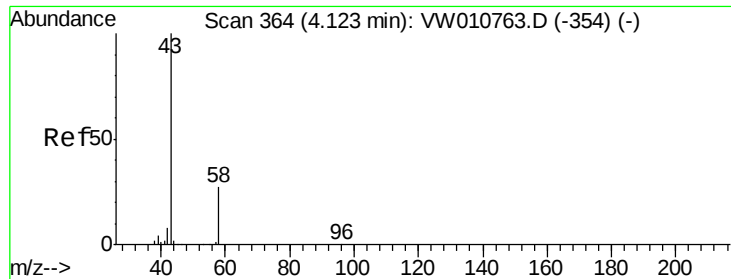
Delta R.T. 0.00 min

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Tgt Ion:	96	Resp:	124591
Ion	Ratio	Lower	Upper
96	100		
61	192.3	139.9	259.7
63	125.8	89.2	165.8





#13

Acetone

Concen: 45.779 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010817.D

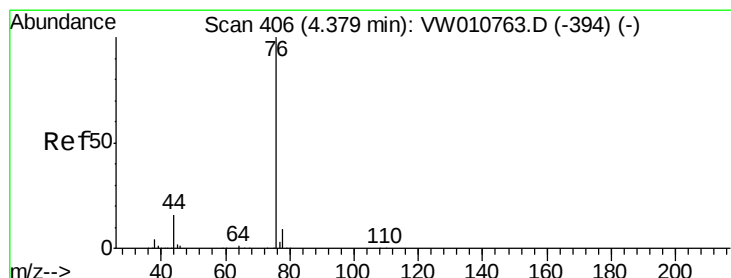
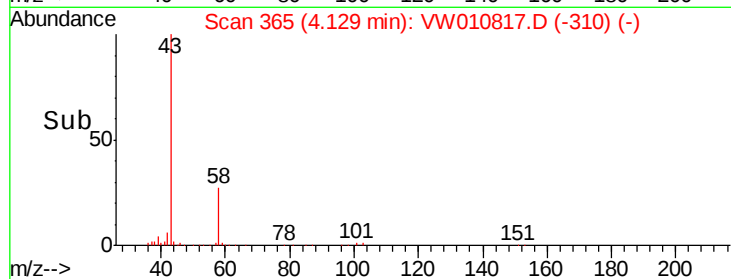
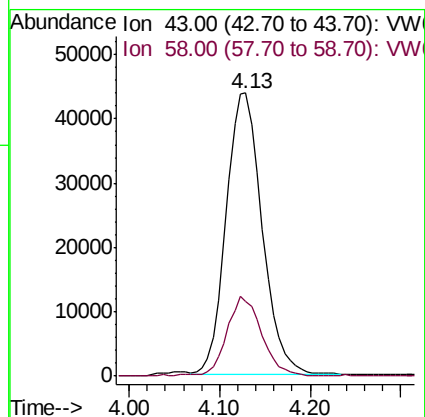
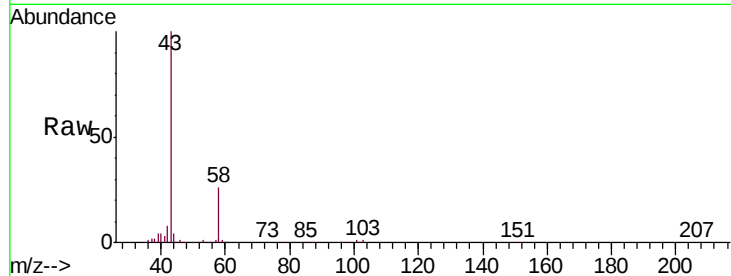
Acq: 17 Jun 2019 09:47

Tgt Ion: 43 Resp: 120963

Ion Ratio Lower Upper

43 100

58 27.2 0.0 54.6



#14

Carbon disulfide

Concen: 24.147 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW010817.D

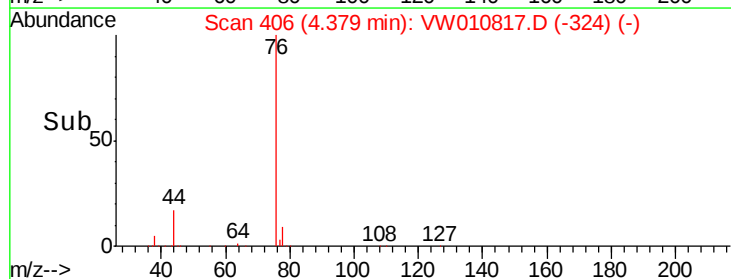
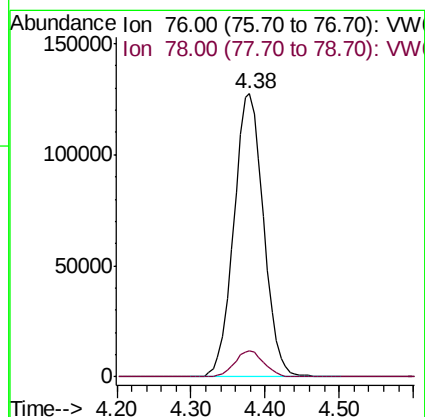
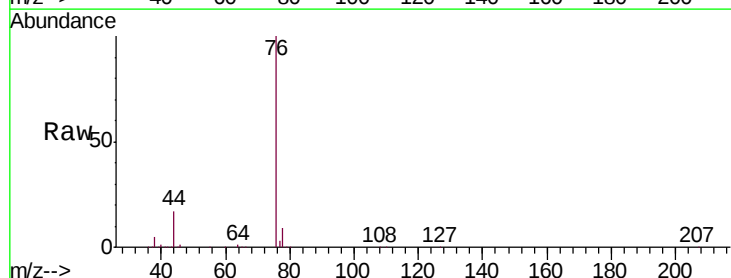
Acq: 17 Jun 2019 09:47

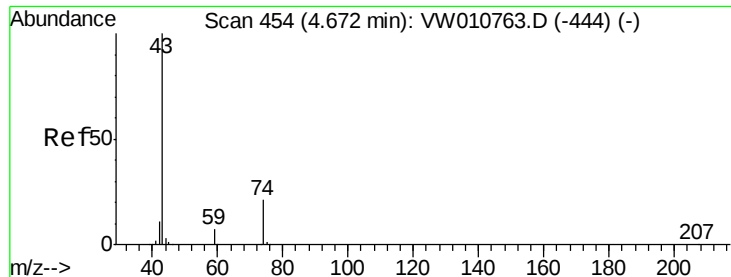
Tgt Ion: 76 Resp: 356599

Ion Ratio Lower Upper

76 100

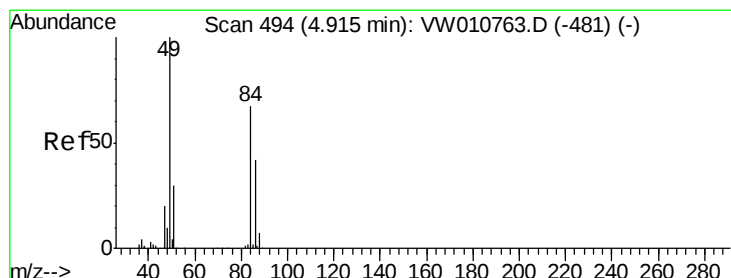
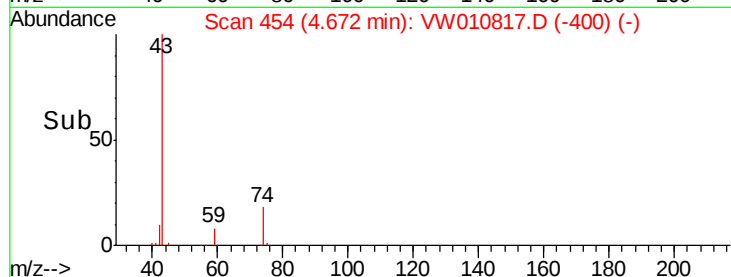
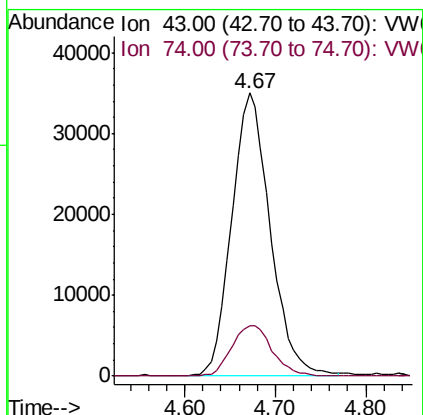
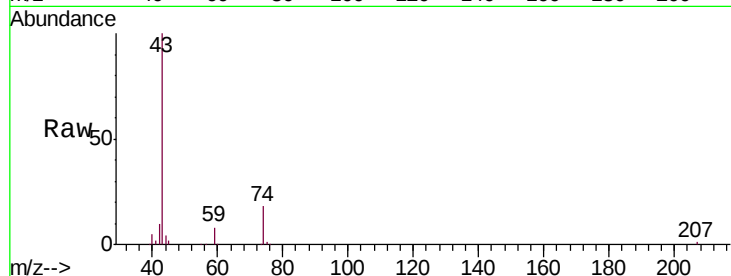
78 9.1 7.0 10.4





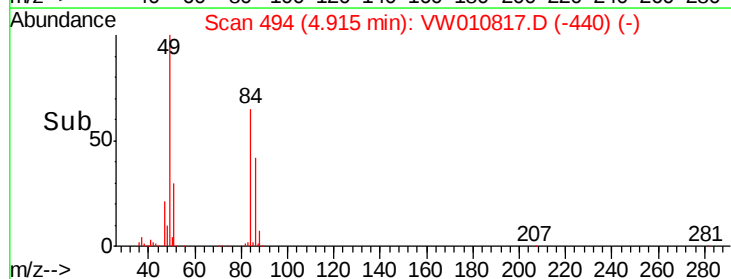
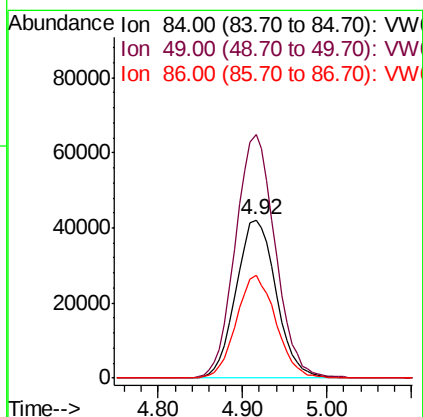
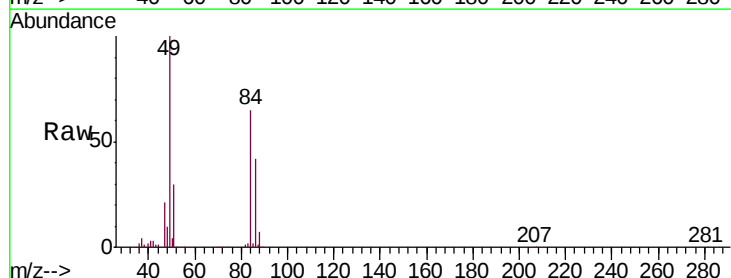
#15
Methyl Acetate
Concen: 24.067 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW010817.D
Acq: 17 Jun 2019 09:47

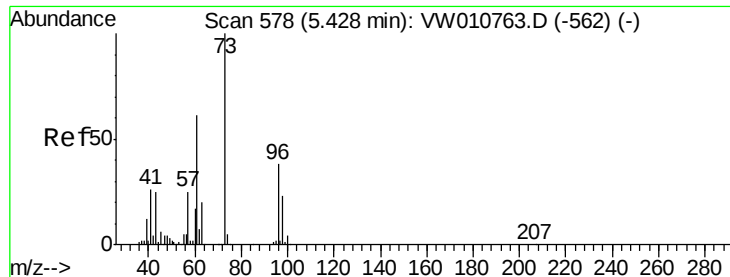
Tgt Ion: 43 Resp: 102100
Ion Ratio Lower Upper
43 100
74 19.0 15.0 22.6



#16
Methylene chloride
Concen: 23.117 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010817.D
Acq: 17 Jun 2019 09:47

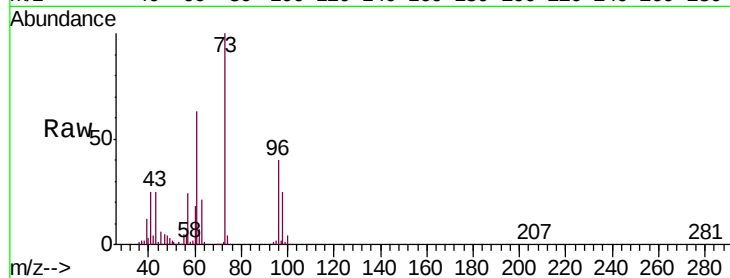
Tgt Ion: 84 Resp: 136531
Ion Ratio Lower Upper
84 100
49 153.9 105.2 195.4
86 64.8 43.7 81.1



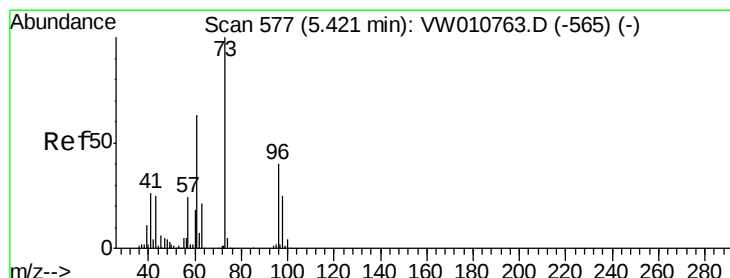
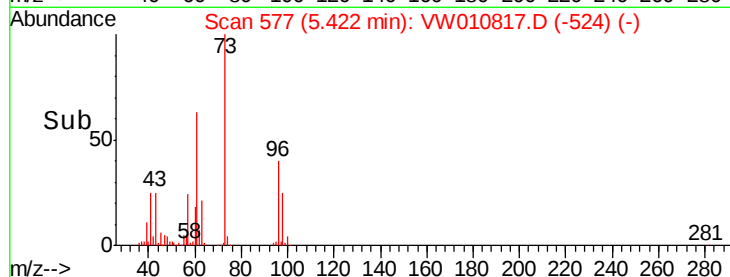
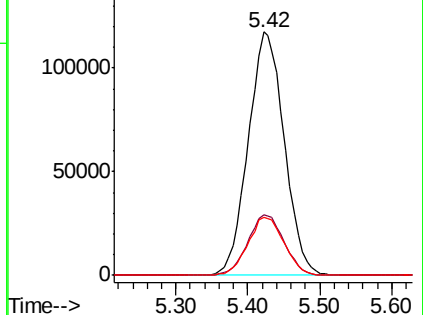


#17
Methyl tert-butyl Ether
Concen: 24.595 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010817.D
Acq: 17 Jun 2019 09:47

Tgt Ion	Ratio	Lower	Upper
73	100		
43	24.8	19.8	29.6
57	24.0	19.2	28.8

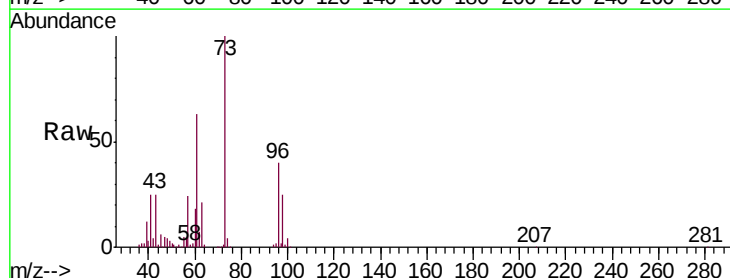


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

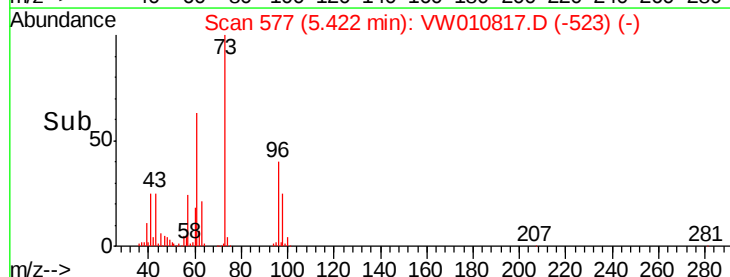
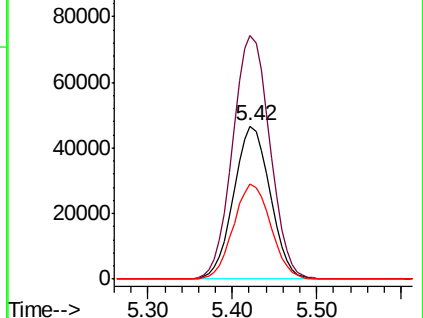


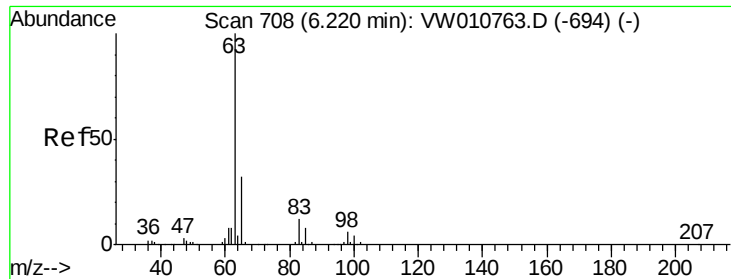
#18
trans-1,2-Dichloroethene
Concen: 24.571 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010817.D
Acq: 17 Jun 2019 09:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.4	111.5	207.1
98	61.9	44.1	81.9



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: 25.153 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW010817.D

Acq: 17 Jun 2019 09:47

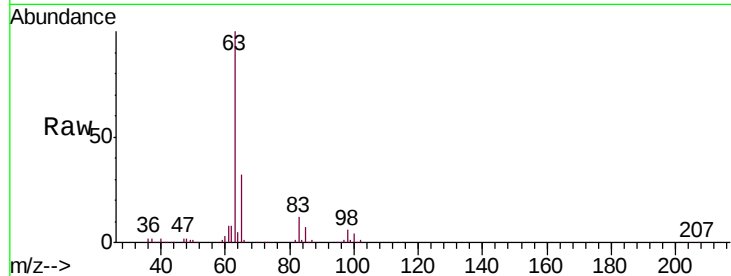
Tgt Ion: 63 Resp: 292453

Ion Ratio Lower Upper

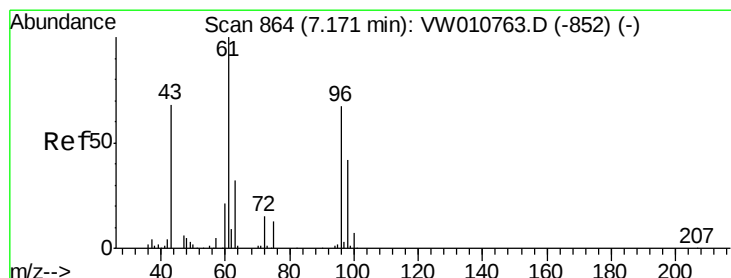
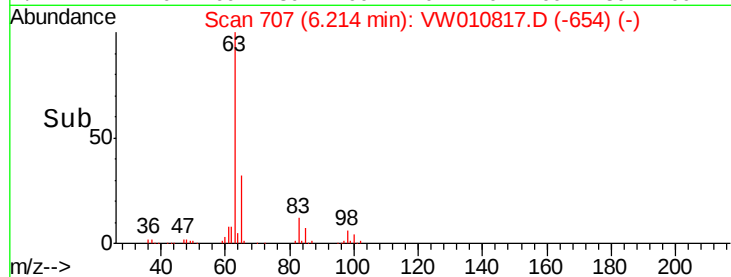
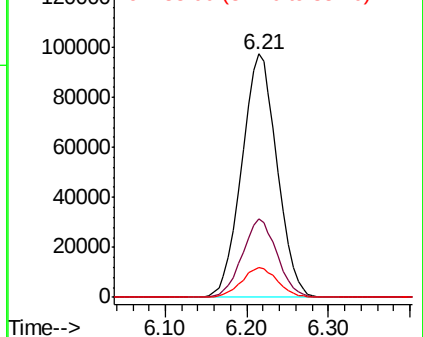
63 100

65 32.3 22.2 41.2

83 12.0 8.6 16.0



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: 44.555 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010817.D

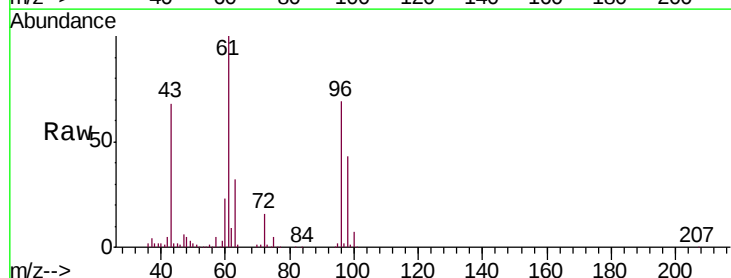
Acq: 17 Jun 2019 09:47

Tgt Ion: 43 Resp: 160805

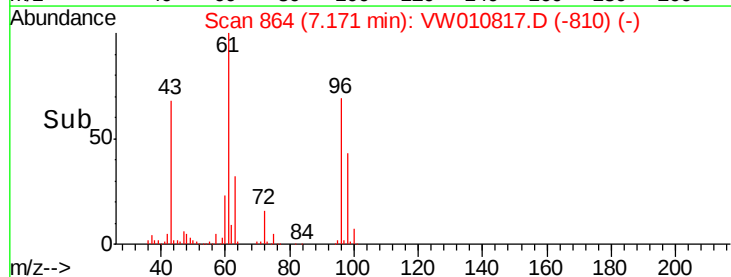
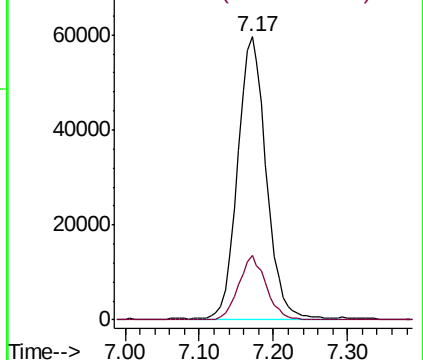
Ion Ratio Lower Upper

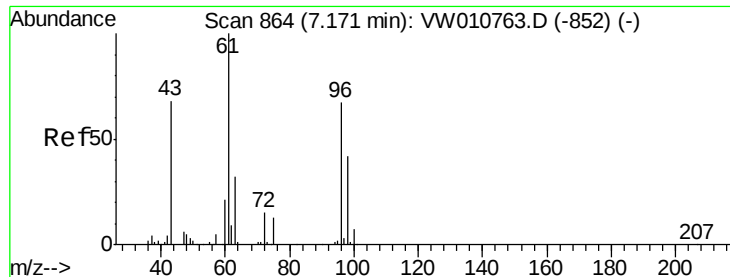
43 100

72 21.3 11.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

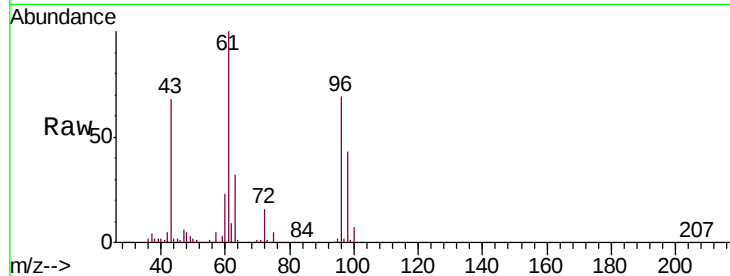




#22

cis-1,2-Dichloroethene
Concen: 24.427 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW010817.D
Acq: 17 Jun 2019 09:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.3	105.3	195.6
98	62.0	44.6	82.8

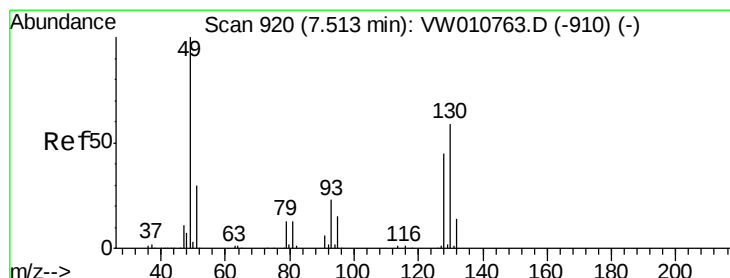
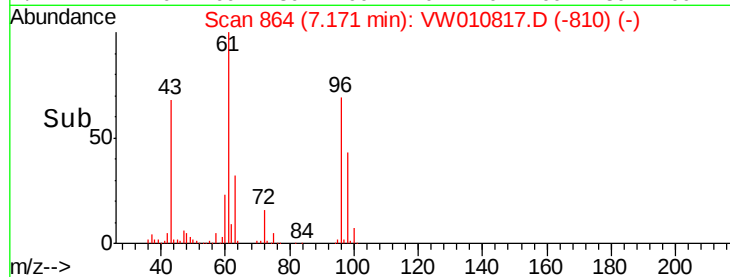
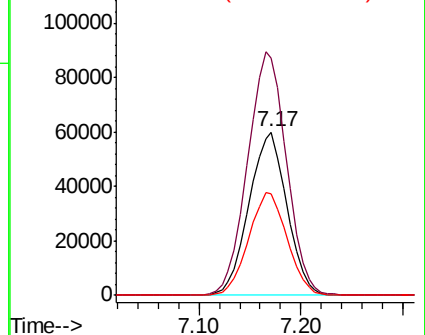


Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

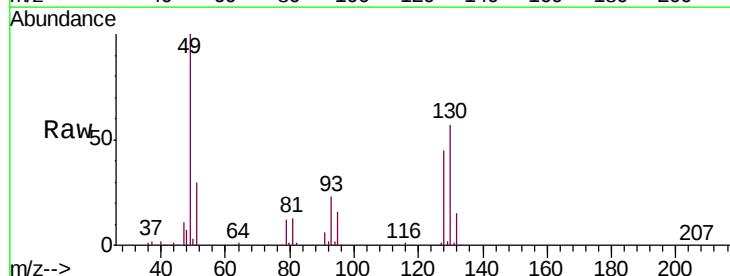
Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane
Concen: 23.954 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW010817.D
Acq: 17 Jun 2019 09:47

Tgt Ion	Ratio	Lower	Upper
128	100		
49	222.0	155.1	288.1
130	127.1	91.3	169.6
51	67.0	53.4	80.0



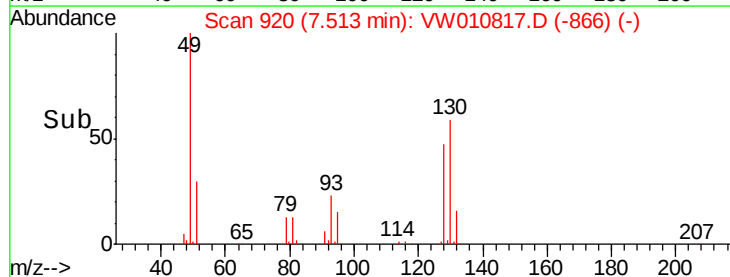
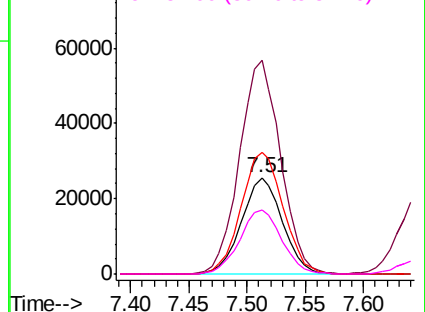
Abundance

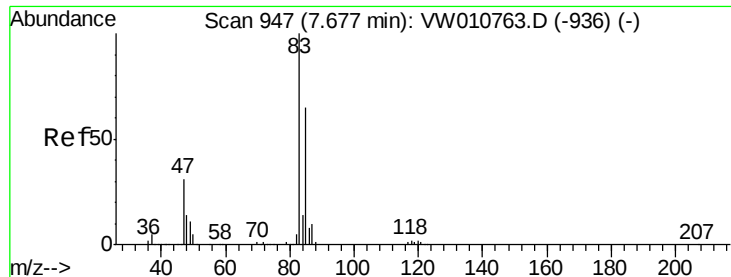
Ion 128.00 (127.70 to 128.70): V

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: 25.371 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW010817.D

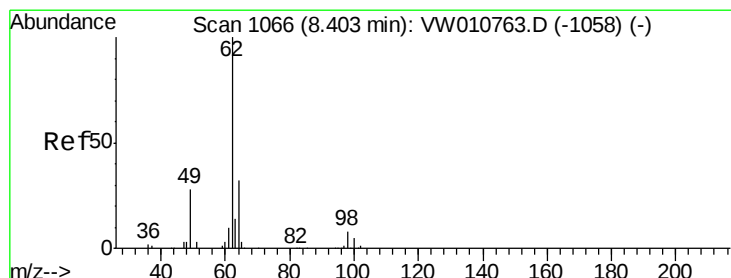
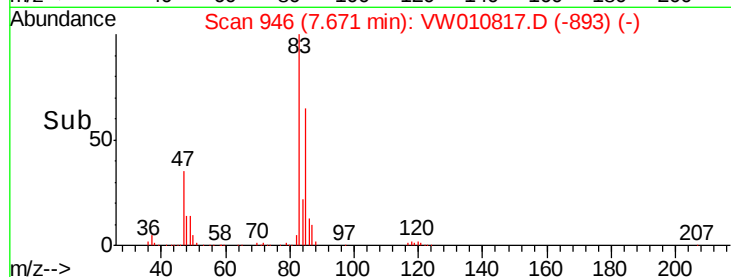
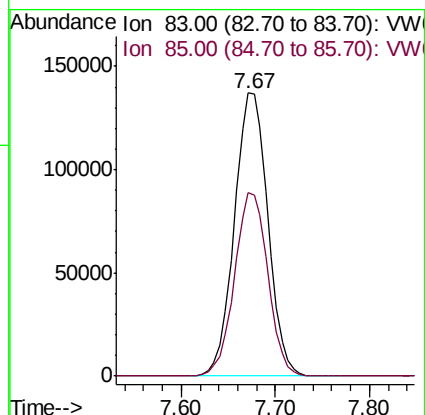
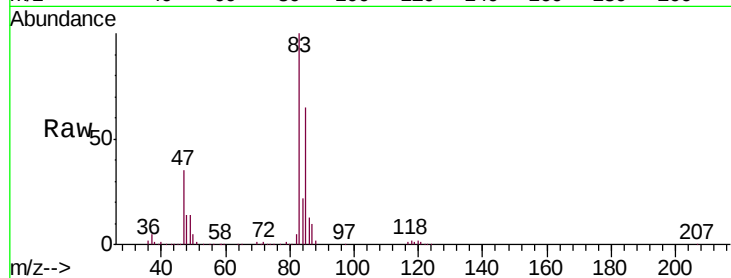
Acq: 17 Jun 2019 09:47

Tgt Ion: 83 Resp: 339509

Ion Ratio Lower Upper

83 100

85 64.5 45.4 84.4



#27

1,2-Dichloroethane

Concen: 24.200 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW010817.D

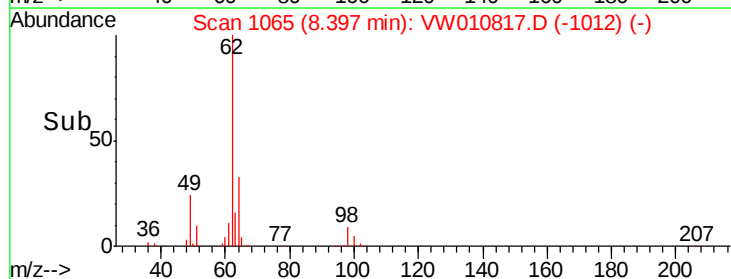
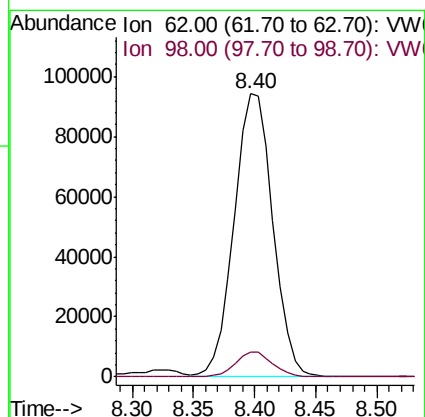
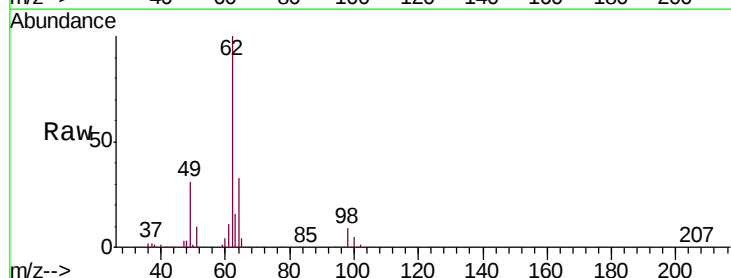
Acq: 17 Jun 2019 09:47

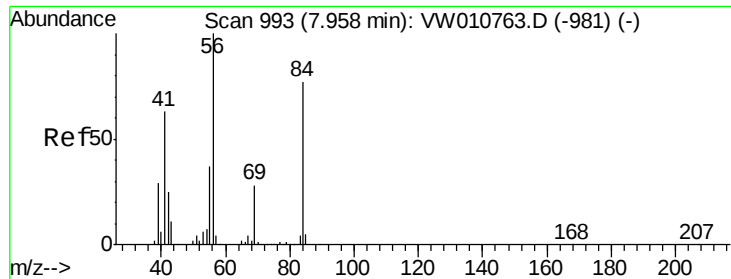
Tgt Ion: 62 Resp: 207071

Ion Ratio Lower Upper

62 100

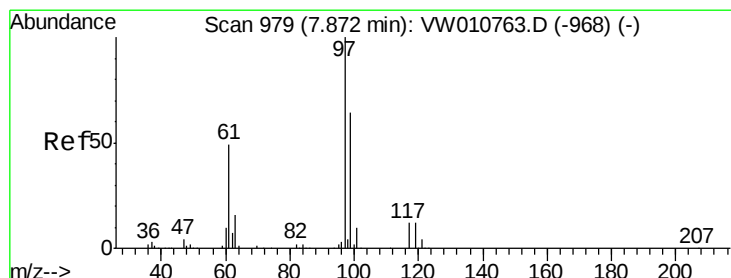
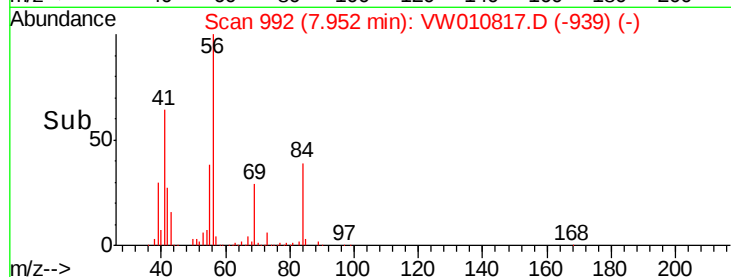
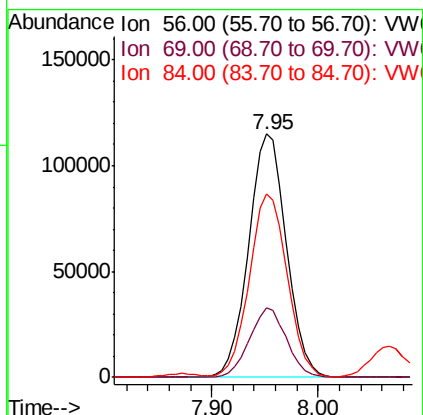
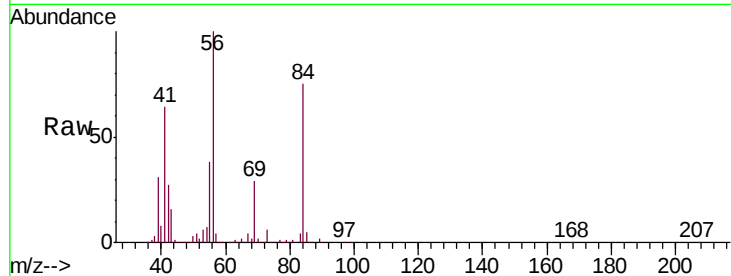
98 8.8 6.6 10.0





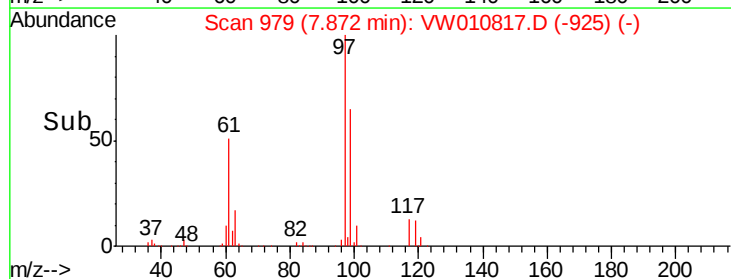
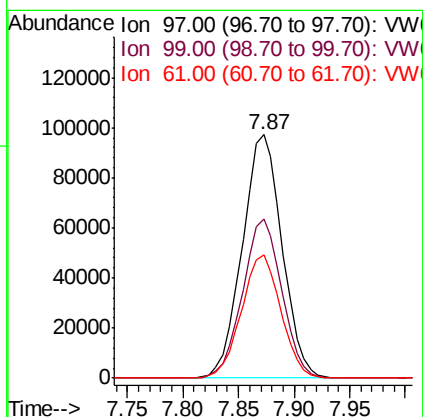
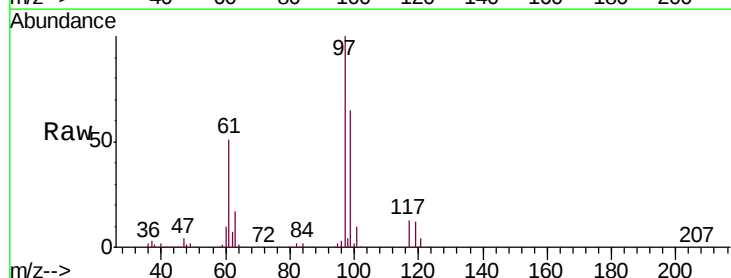
#30
Cyclohexane
Concen: 24.936 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW010817.D
Acq: 17 Jun 2019 09:47

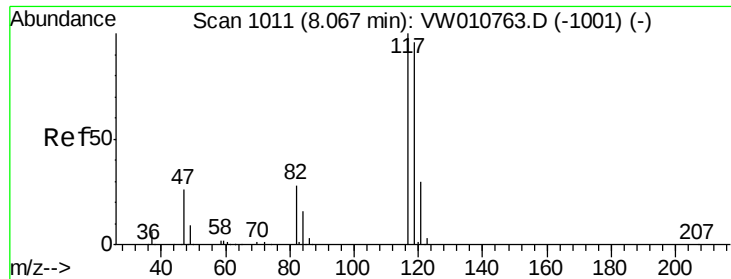
Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.0	22.6	33.8
84	75.6	61.1	91.7



#31
1,1,1-Trichloroethane
Concen: 26.120 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010817.D
Acq: 17 Jun 2019 09:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.4
61	50.2	40.4	60.6





#32

Carbon tetrachloride

Concen: 26.566 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW010817.D

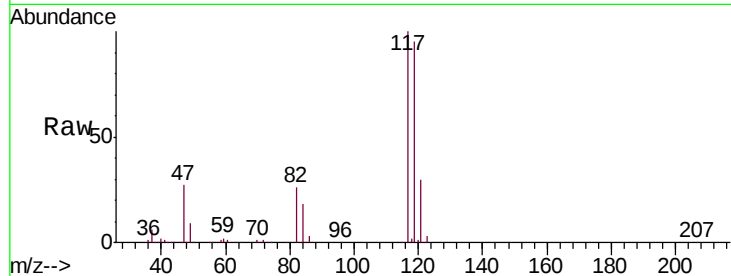
Acq: 17 Jun 2019 09:47

Tgt Ion: 117 Resp: 205098

Ion Ratio Lower Upper

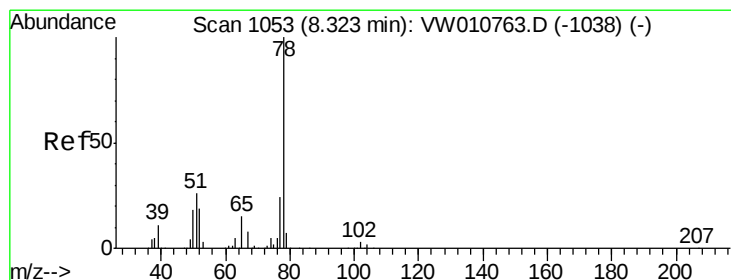
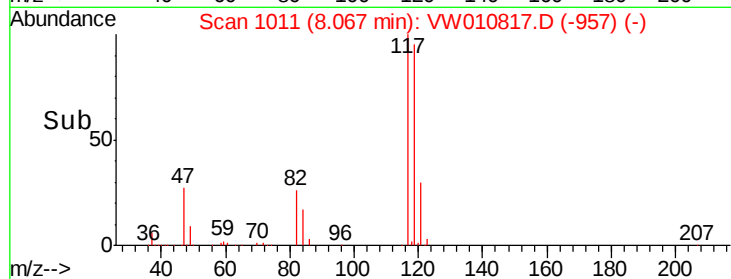
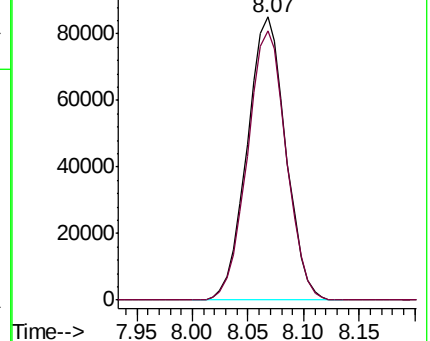
117 100

119 95.7 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.853 ug/L

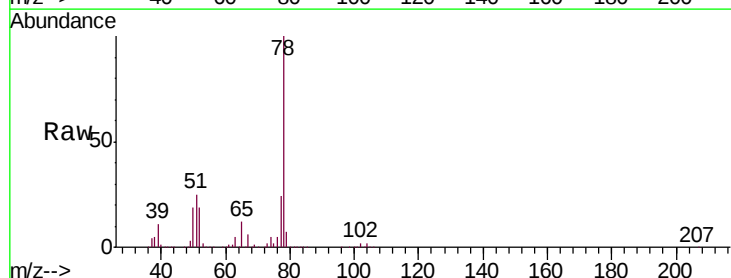
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

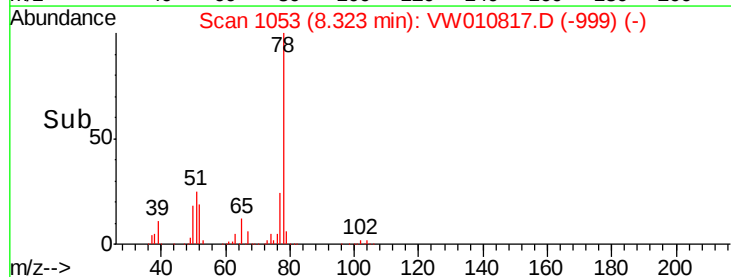
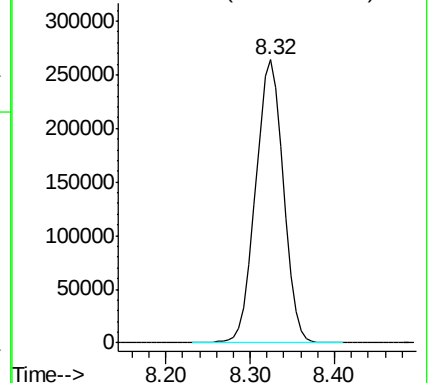
Lab File: VW010817.D

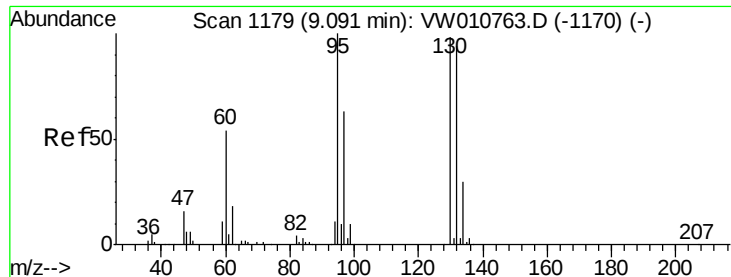
Acq: 17 Jun 2019 09:47

Tgt Ion: 78 Resp: 592252



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.029 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010817.D

Acq: 17 Jun 2019 09:47

Tgt Ion: 95 Resp: 152845

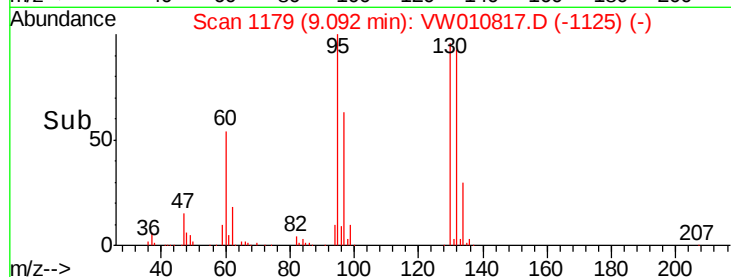
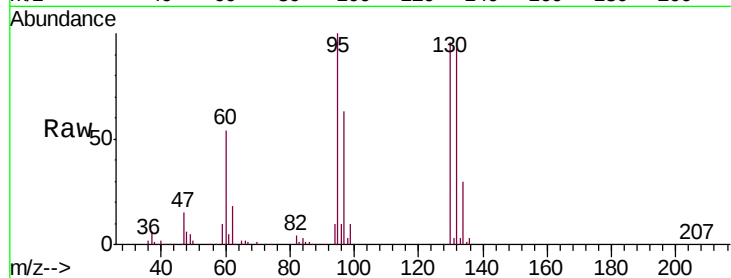
Ion Ratio Lower Upper

95 100

97 64.2 45.4 84.2

132 92.8 65.0 120.6

130 95.5 68.3 126.9

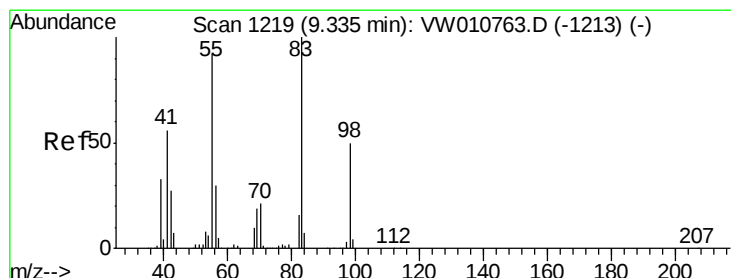
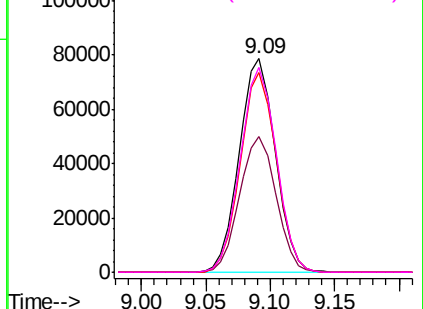


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 24.762 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW010817.D

Acq: 17 Jun 2019 09:47

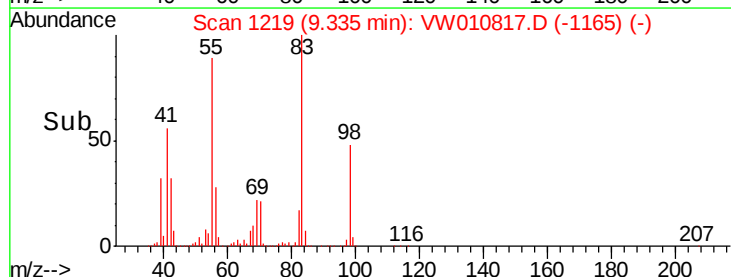
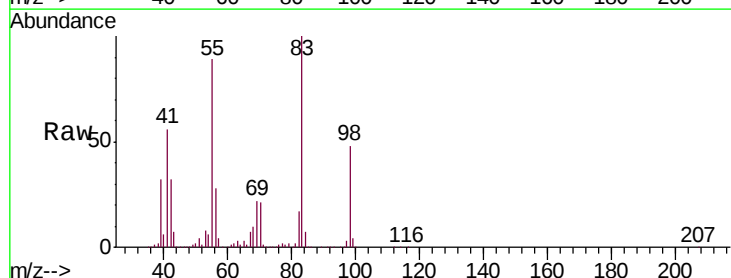
Tgt Ion: 83 Resp: 266405

Ion Ratio Lower Upper

83 100

55 90.4 71.6 107.4

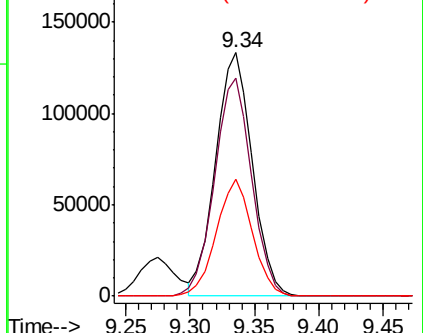
98 47.2 38.2 57.2

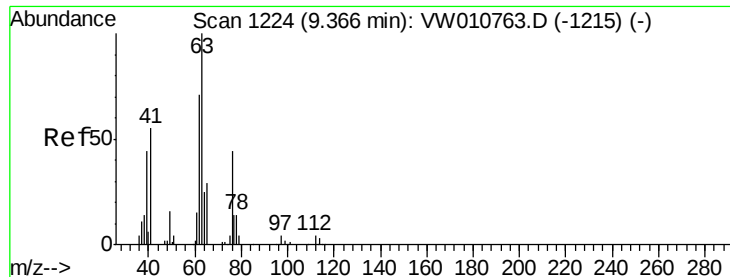


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 25.097 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW010817.D

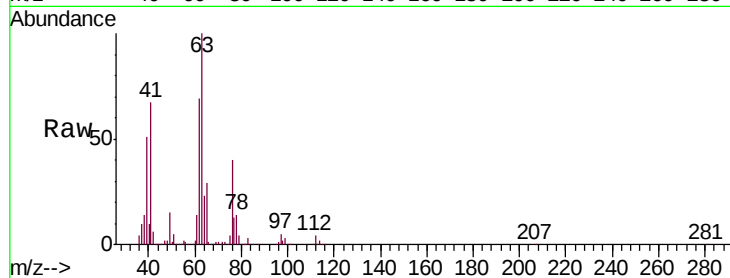
Acq: 17 Jun 2019 09:47

Tgt Ion: 63 Resp: 166691

Ion Ratio Lower Upper

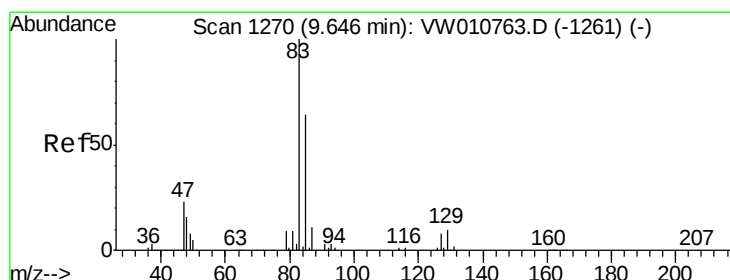
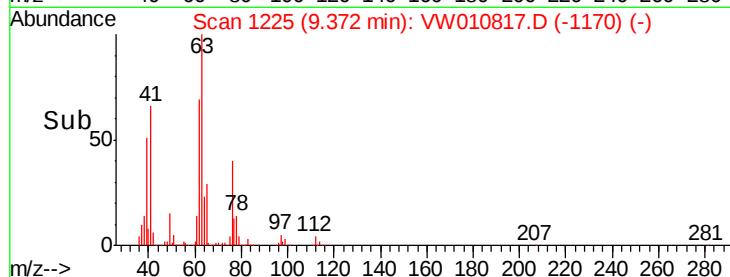
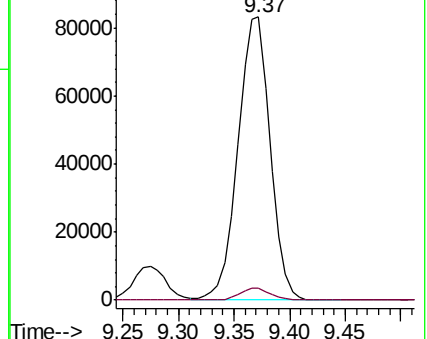
63 100

112 3.9 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 26.309 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW010817.D

Acq: 17 Jun 2019 09:47

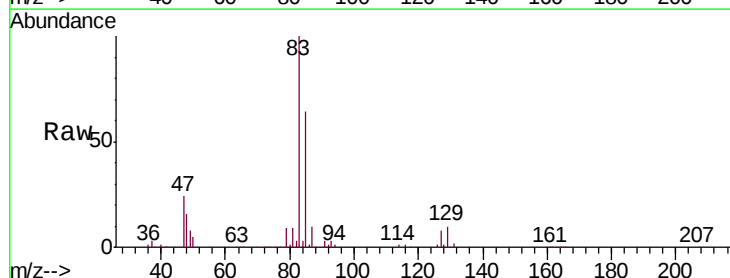
Tgt Ion: 83 Resp: 205765

Ion Ratio Lower Upper

83 100

85 63.7 44.7 82.9

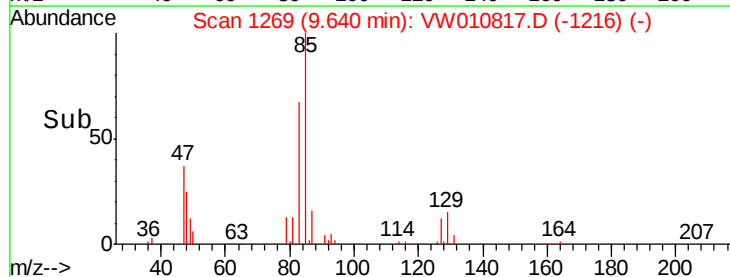
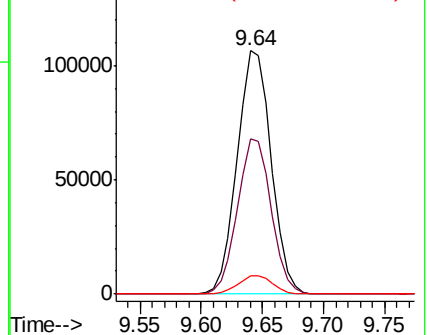
127 7.5 6.6 10.0

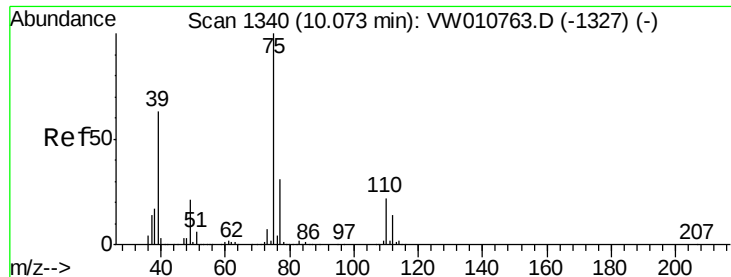


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 25.768 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010817.D

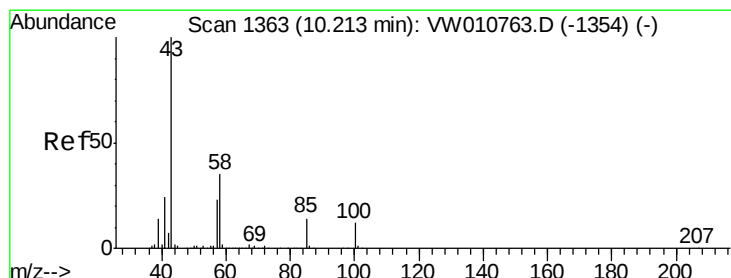
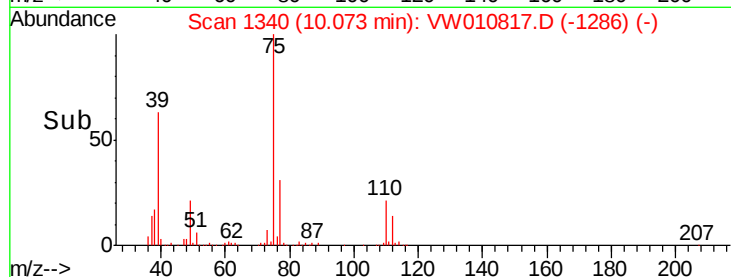
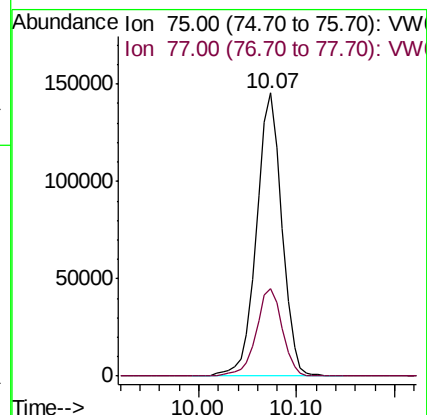
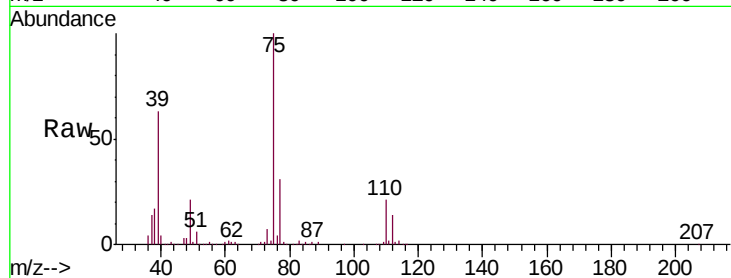
Acq: 17 Jun 2019 09:47

Tgt Ion: 75 Resp: 261998

Ion Ratio Lower Upper

75 100

77 30.8 22.0 41.0



#43

4-Methyl-2-pentanone

Concen: 49.015 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW010817.D

Acq: 17 Jun 2019 09:47

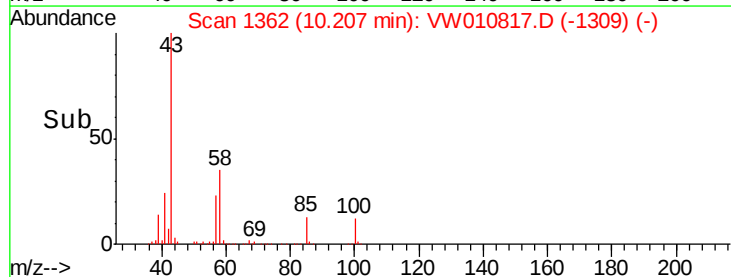
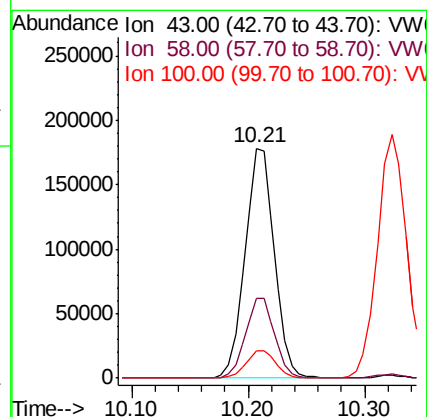
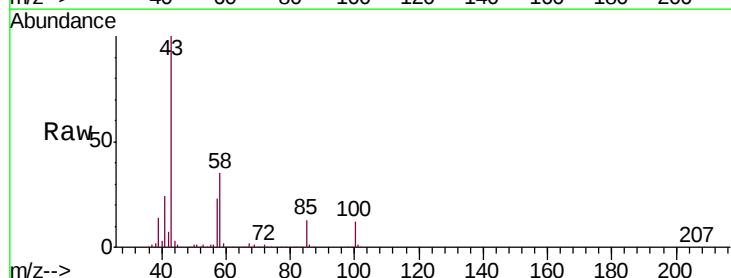
Tgt Ion: 43 Resp: 312798

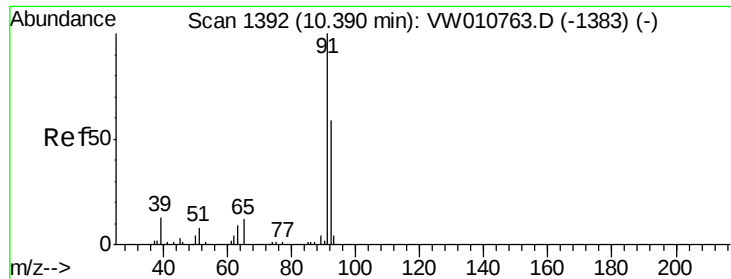
Ion Ratio Lower Upper

43 100

58 34.8 28.0 42.0

100 12.1 9.8 14.6





#44

Toluene

Concen: 24.926 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010817.D

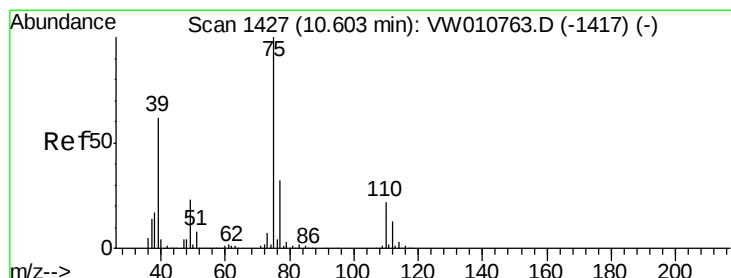
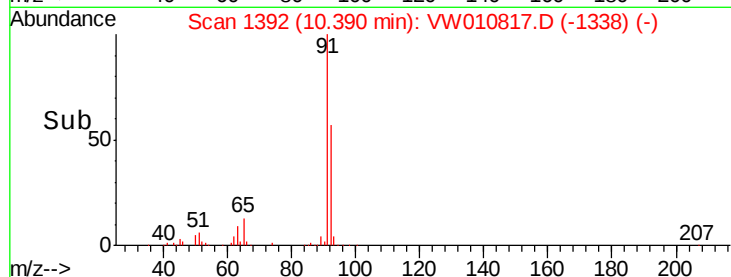
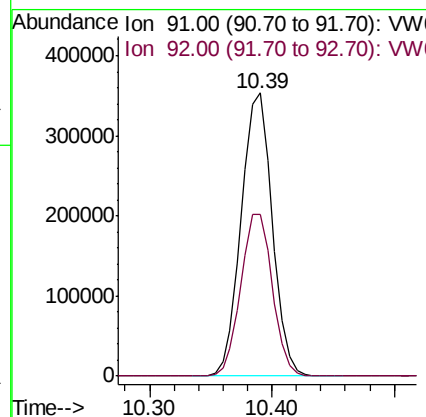
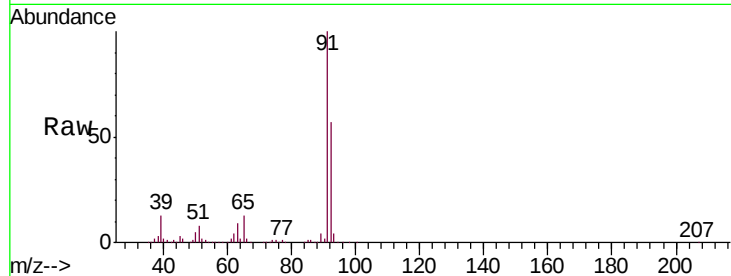
Acq: 17 Jun 2019 09:47

Tgt Ion: 91 Resp: 622086

Ion Ratio Lower Upper

91 100

92 57.3 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 26.516 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010817.D

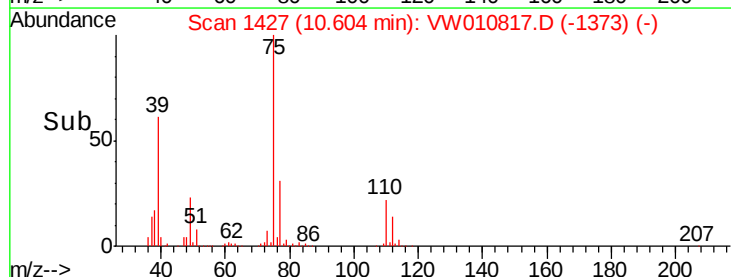
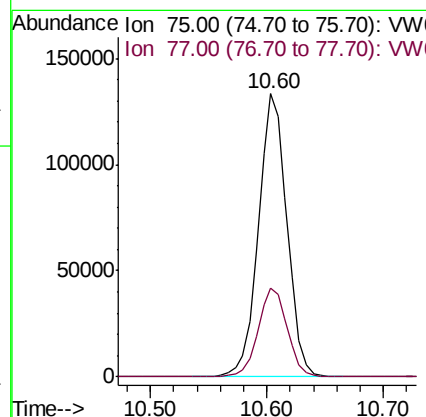
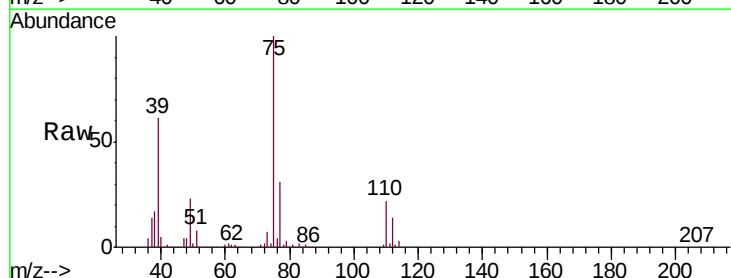
Acq: 17 Jun 2019 09:47

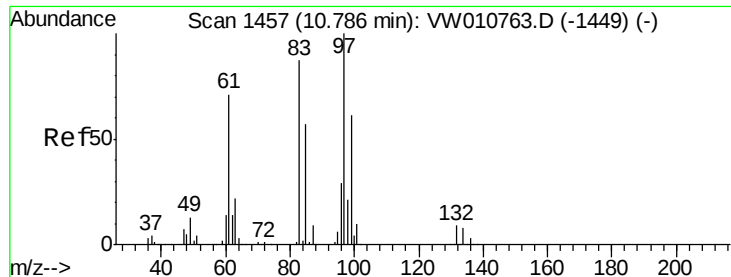
Tgt Ion: 75 Resp: 227010

Ion Ratio Lower Upper

75 100

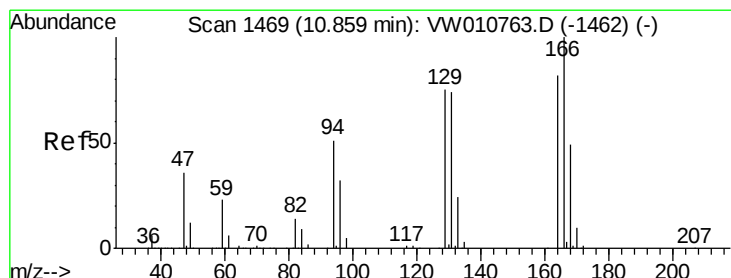
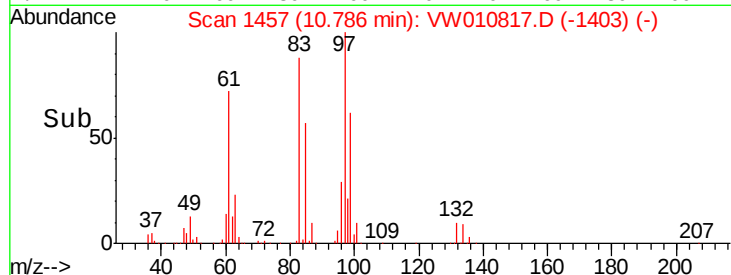
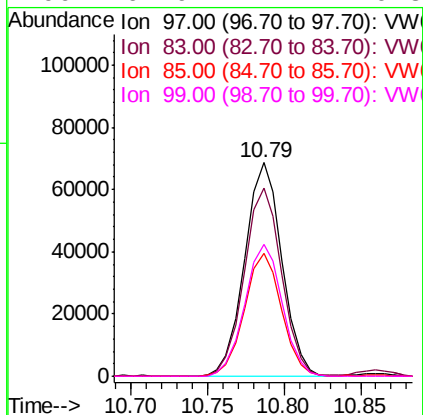
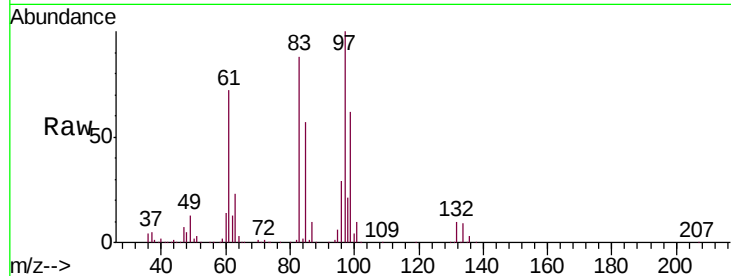
77 31.4 22.5 41.7





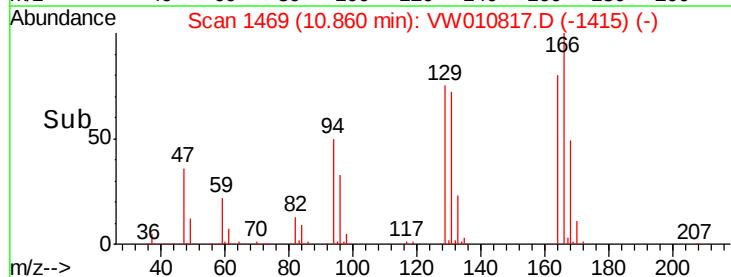
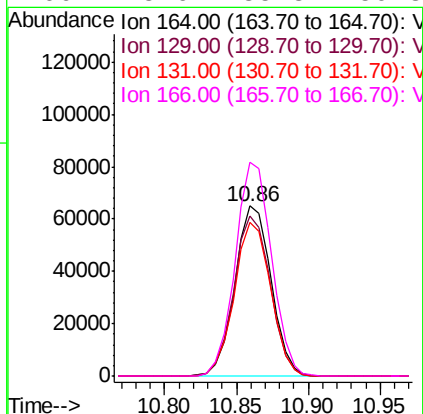
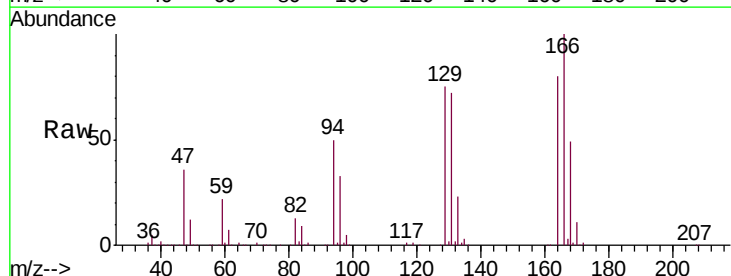
#46
 1,1,2-Trichloroethane
 Concen: 24.611 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010817.D
 Acq: 17 Jun 2019 09:47

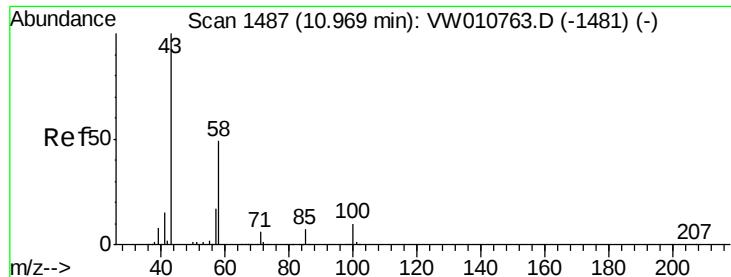
Tgt Ion:	97	Resp:	116367
Ion	Ratio	Lower	Upper
97	100		
83	88.0	60.8	113.0
85	57.4	39.8	73.8
99	61.9	42.7	79.3



#47
 Tetrachloroethene
 Concen: 24.870 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW010817.D
 Acq: 17 Jun 2019 09:47

Tgt Ion:	164	Resp:	113807
Ion	Ratio	Lower	Upper
164	100		
129	94.1	64.5	119.7
131	90.2	63.6	118.0
166	125.6	85.8	159.3

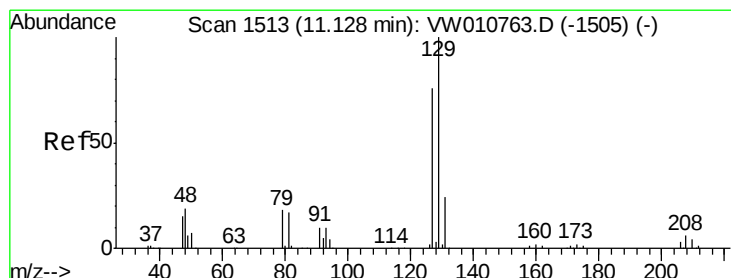
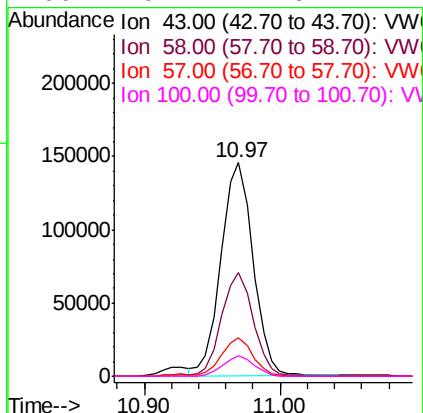
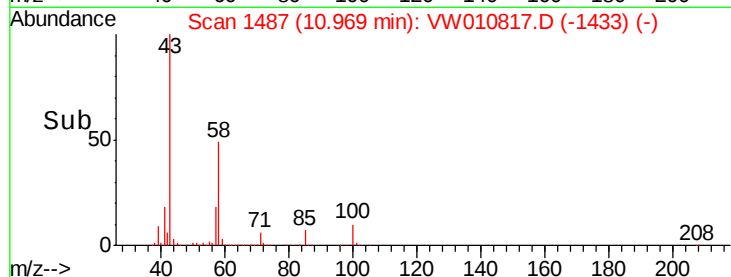
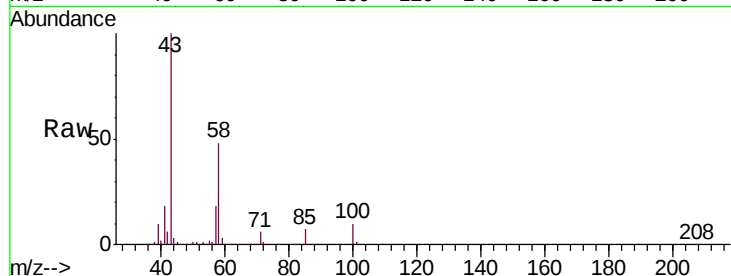




#49
2-Hexanone
Concen: 50.410 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010817.D
Acq: 17 Jun 2019 09:47

Tgt Ion: 43 Resp: 238468

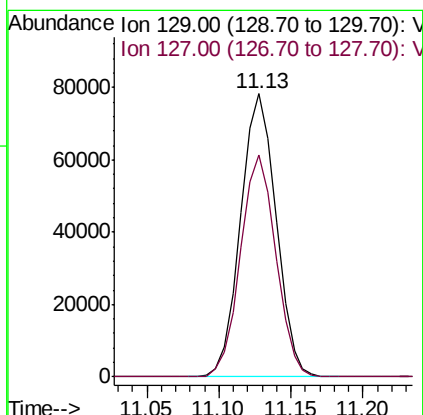
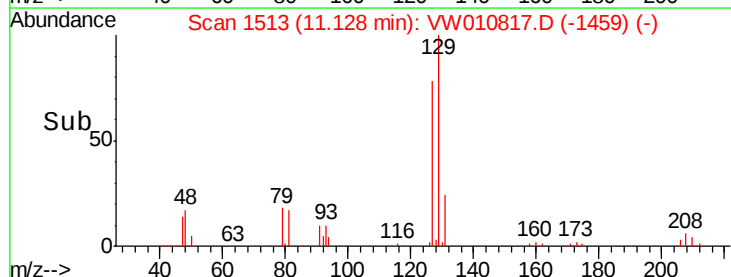
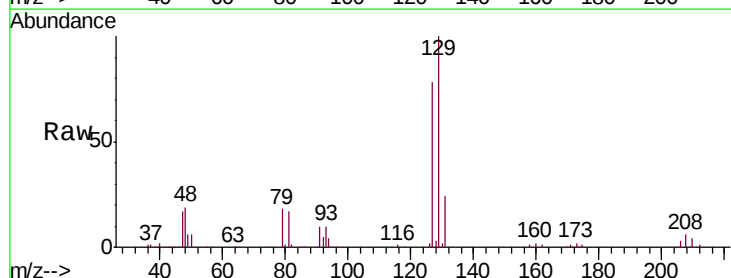
Ion	Ratio	Lower	Upper
43	100		
58	48.1	39.5	59.3
57	17.7	13.8	20.8
100	9.4	7.6	11.4

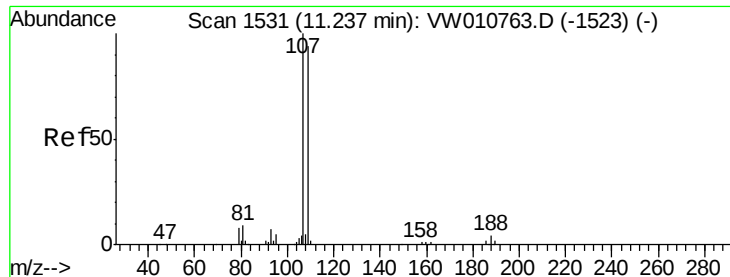


#50
Dibromochloromethane
Concen: 25.585 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010817.D
Acq: 17 Jun 2019 09:47

Tgt Ion: 129 Resp: 134067

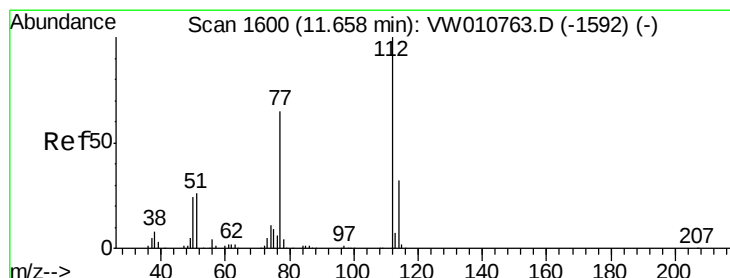
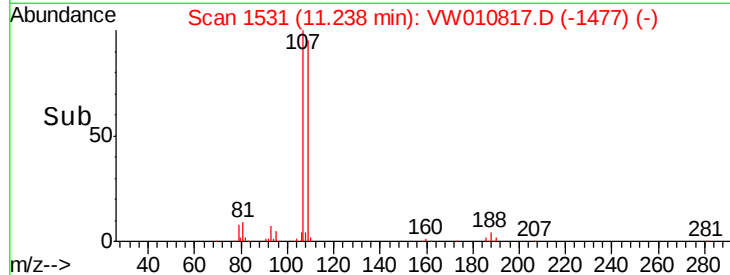
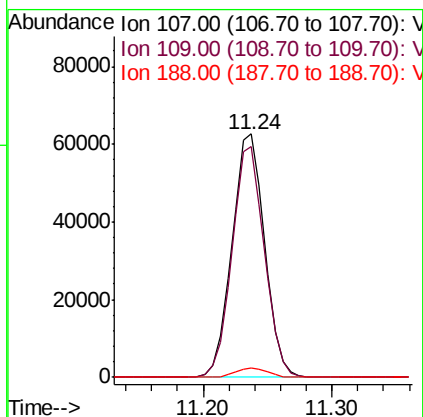
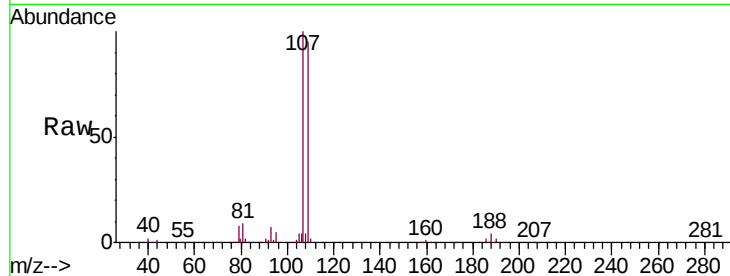
Ion	Ratio	Lower	Upper
129	100		
127	78.4	53.1	98.7





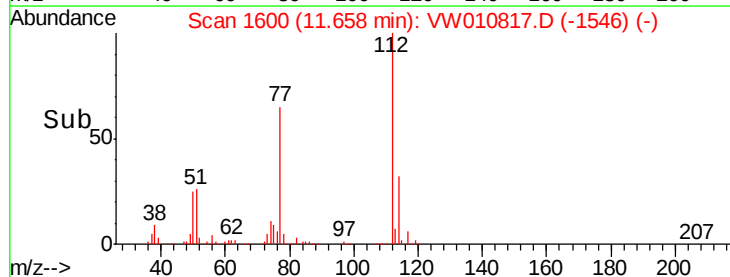
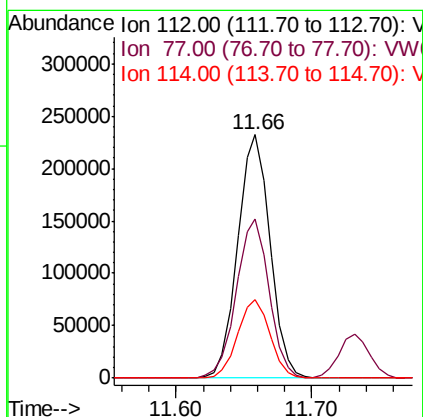
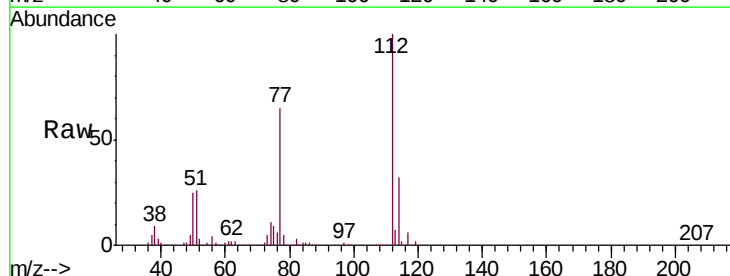
#51
1,2-Dibromoethane
Concen: 24.341 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW010817.D
Acq: 17 Jun 2019 09:47

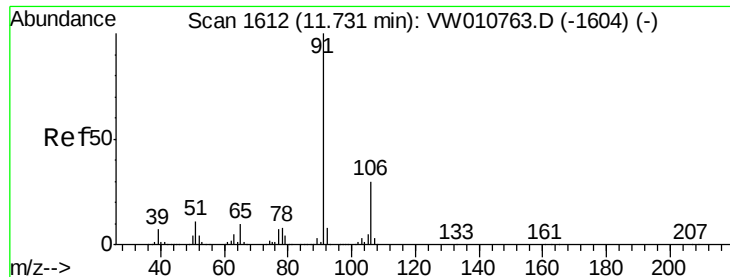
Tgt Ion	Ratio	Resp	Lower	Upper
107	100	110199		
109	94.7	66.0	122.6	
188	3.6	3.1	4.7	



#52
Chlorobenzene
Concen: 24.775 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010817.D
Acq: 17 Jun 2019 09:47

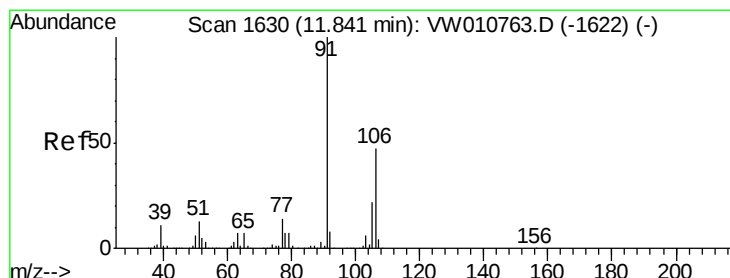
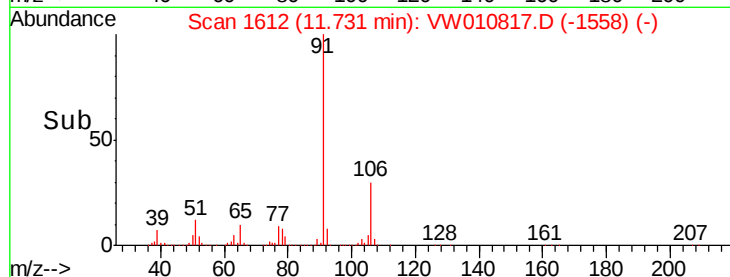
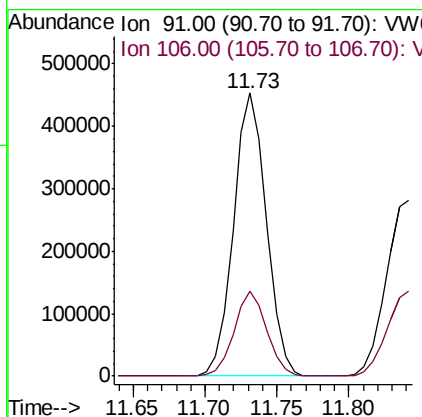
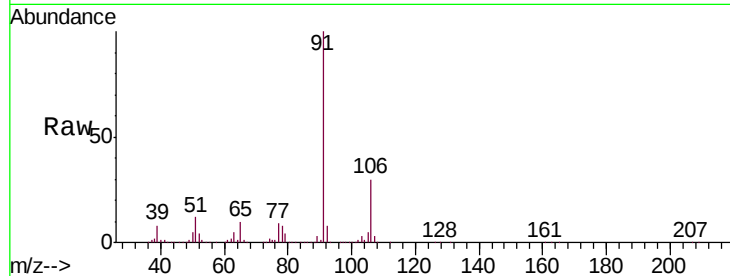
Tgt Ion	Ratio	Resp	Lower	Upper
112	100	385502		
77	65.2	51.8	77.8	
114	32.1	22.1	41.1	





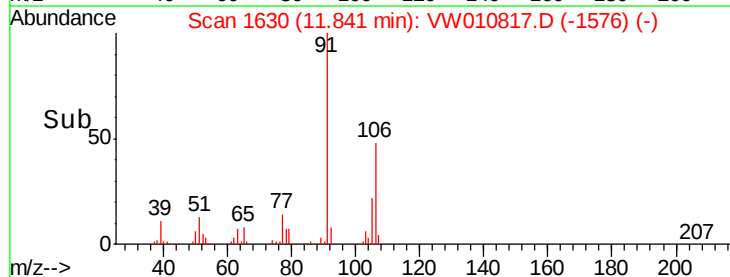
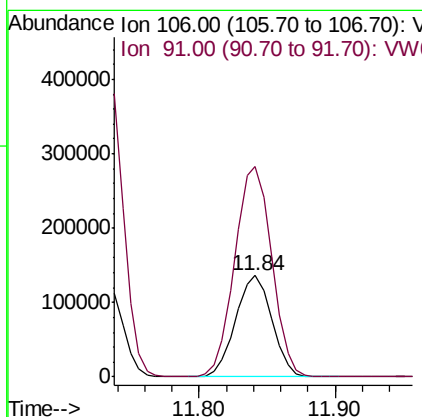
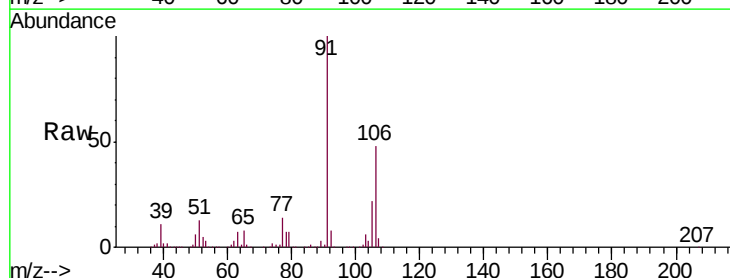
#53
Ethylbenzene
Concen: 25.135 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010817.D
Acq: 17 Jun 2019 09:47

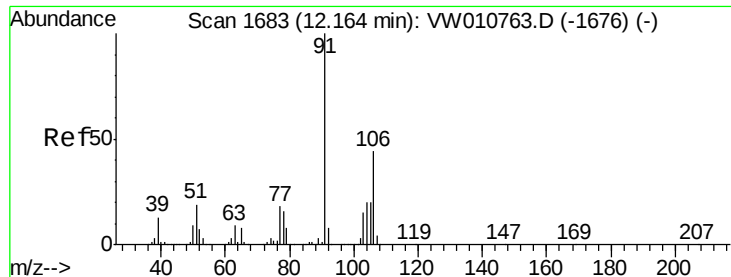
Tgt Ion: 91 Resp: 717934
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.3



#54
m,p-Xylene
Concen: 24.600 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010817.D
Acq: 17 Jun 2019 09:47

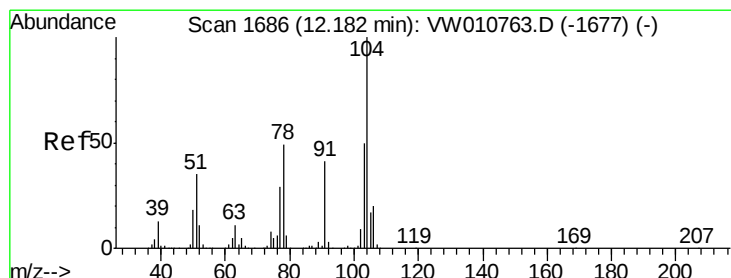
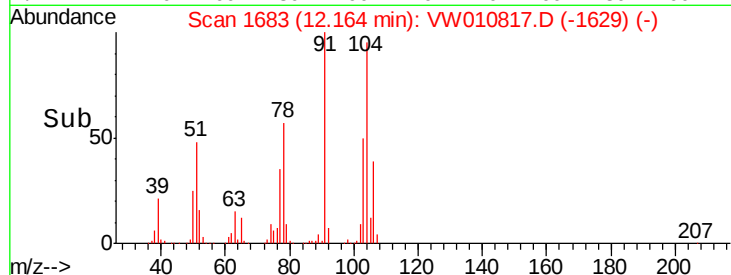
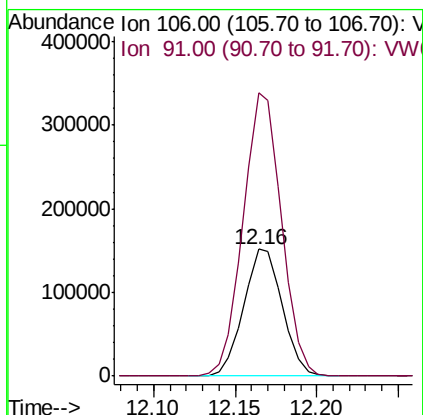
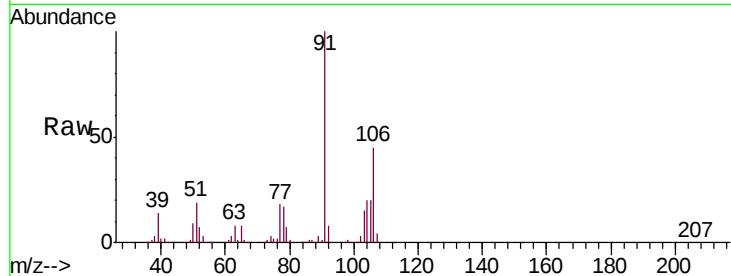
Tgt Ion: 106 Resp: 253207
Ion Ratio Lower Upper
106 100
91 207.2 148.7 276.1





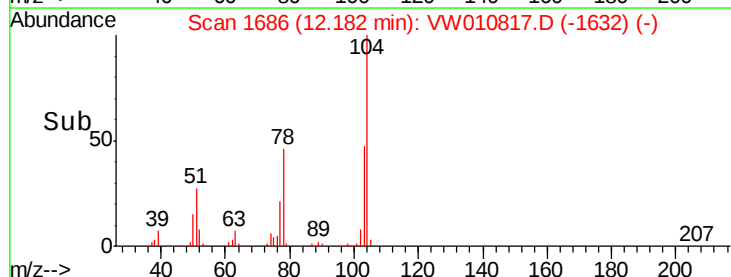
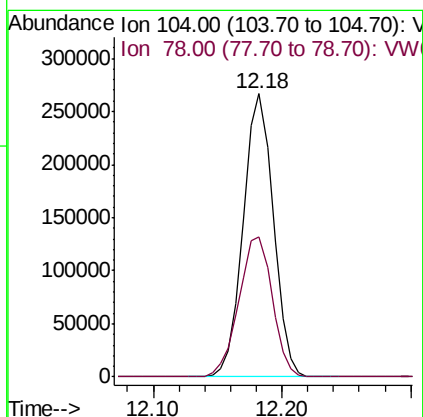
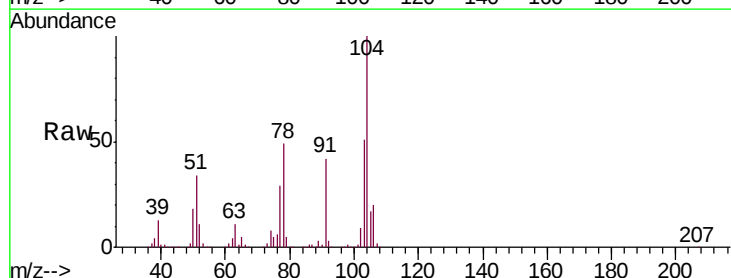
#55
o-xylene
Concen: 24.985 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010817.D
Acq: 17 Jun 2019 09:47

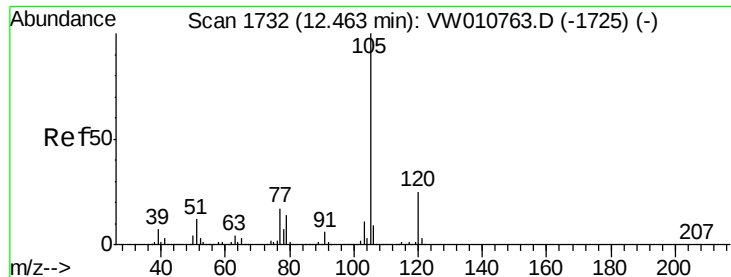
Tgt Ion:106 Resp: 249378
Ion Ratio Lower Upper
106 100
91 223.3 157.8 293.1



#56
Styrene
Concen: 24.800 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010817.D
Acq: 17 Jun 2019 09:47

Tgt Ion:104 Resp: 430725
Ion Ratio Lower Upper
104 100
78 49.3 34.2 63.4





#57

Isopropylbenzene

Concen: 25.323 ug/L

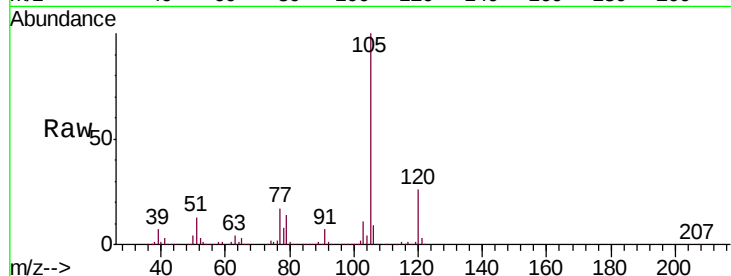
RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010817.D

Acq: 17 Jun 2019 09:47

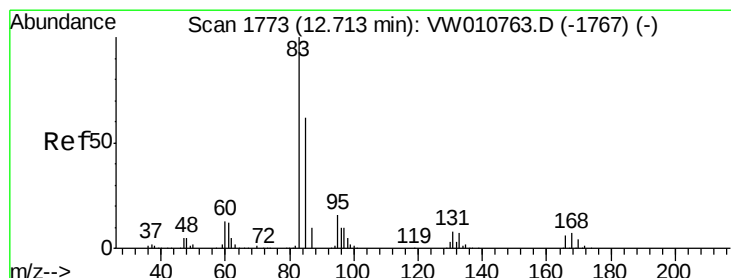
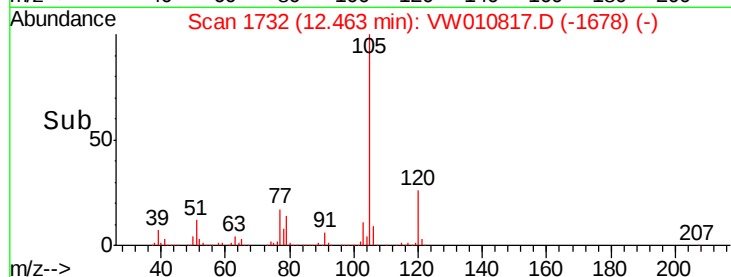
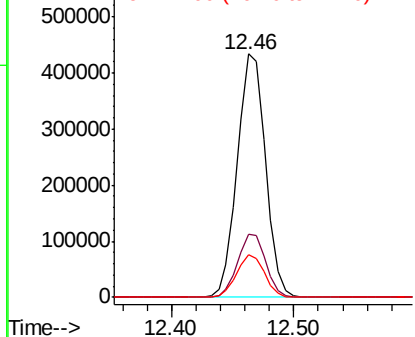
Tgt Ion:	105	Resp:	692025
Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.5	30.7
77	17.1	13.6	20.4



Abundance Ion 105.00 (104.70 to 105.70): VW010817.D (-1678) (-)

Ion 120.00 (119.70 to 120.70): VW010817.D (-1678) (-)

Ion 77.00 (76.70 to 77.70): VW010817.D (-1678) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 24.605 ug/L

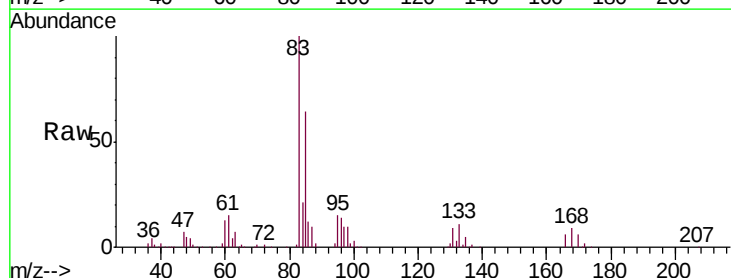
RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010817.D

Acq: 17 Jun 2019 09:47

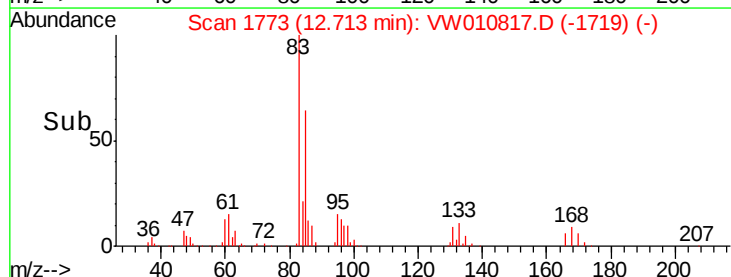
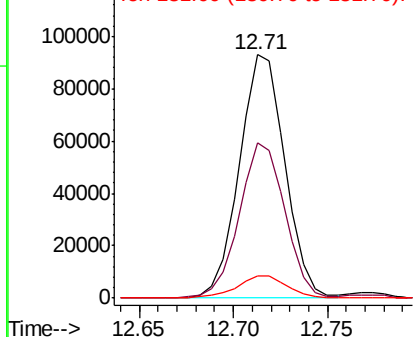
Tgt Ion:	83	Resp:	155875
Ion	Ratio	Lower	Upper
83	100		
85	64.0	44.0	81.6
131	8.9	7.0	10.6

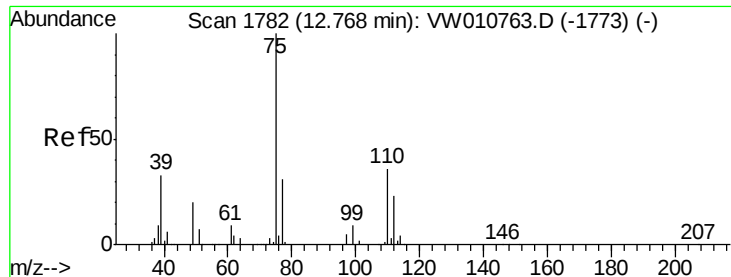


Abundance Ion 83.00 (82.70 to 83.70): VW010817.D (-1719) (-)

Ion 85.00 (84.70 to 85.70): VW010817.D (-1719) (-)

Ion 131.00 (130.70 to 131.70): VW010817.D (-1719) (-)





#59

1,2,3-Trichloropropane

Concen: 24.387 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010817.D

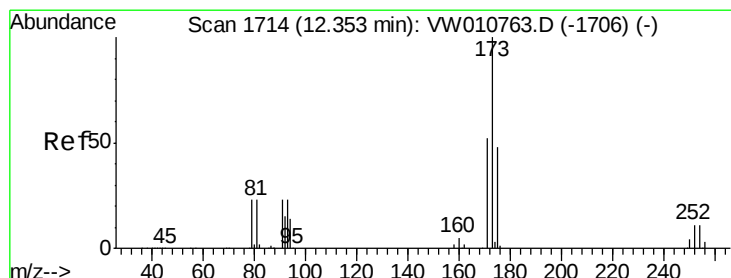
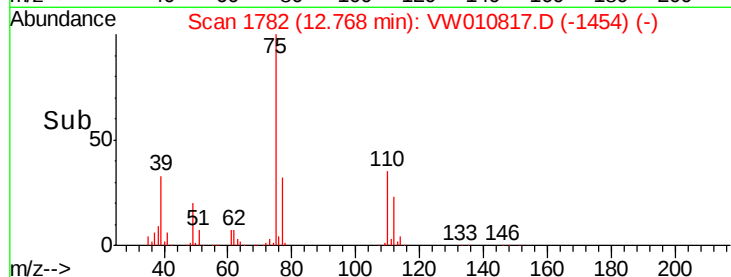
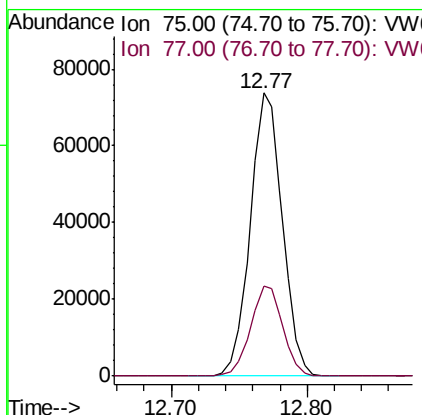
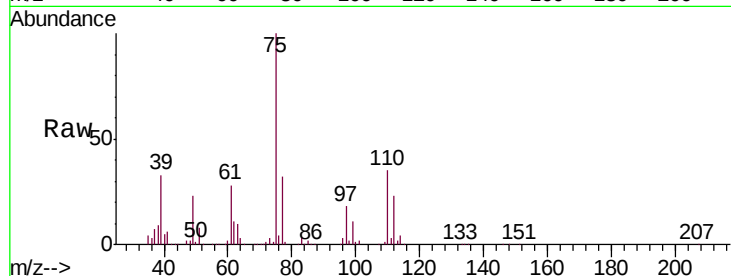
Acq: 17 Jun 2019 09:47

Tgt Ion: 75 Resp: 122134

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4



#62

Bromoform

Concen: 26.720 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010817.D

Acq: 17 Jun 2019 09:47

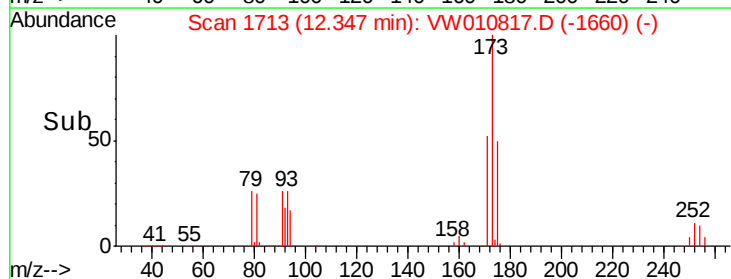
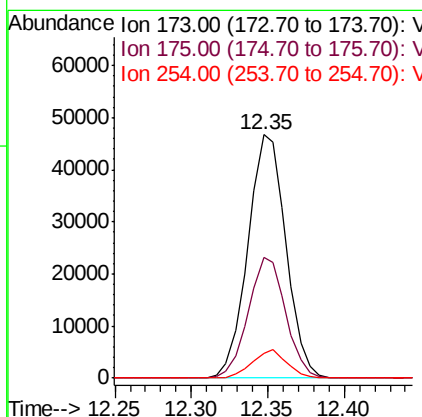
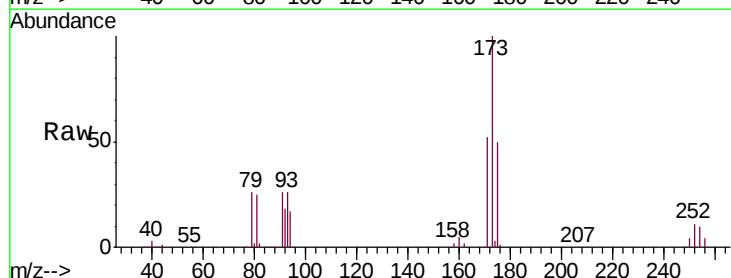
Tgt Ion: 173 Resp: 80877

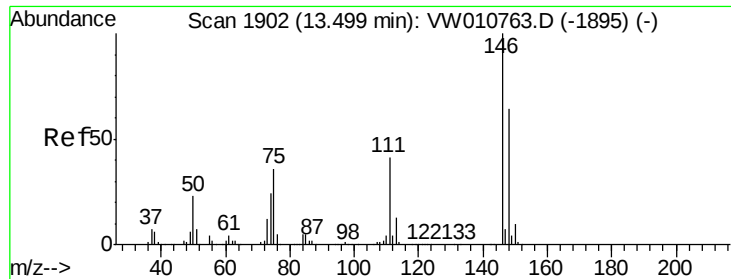
Ion Ratio Lower Upper

173 100

175 48.7 38.7 58.1

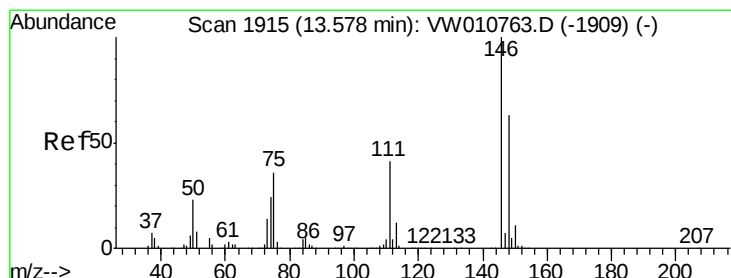
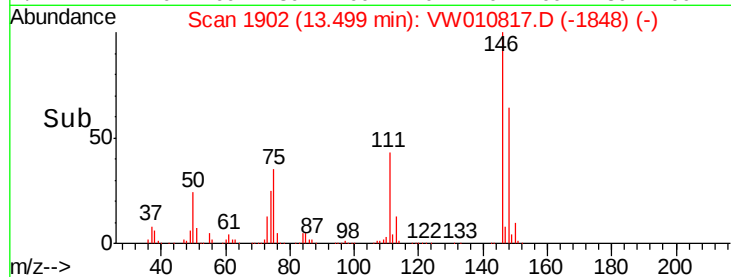
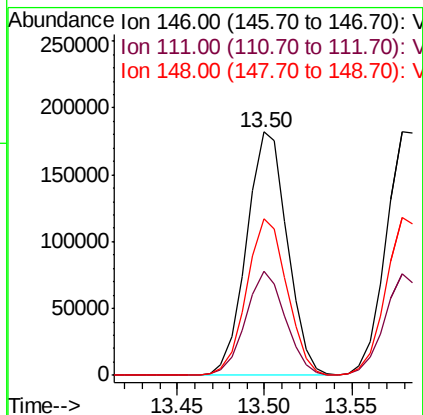
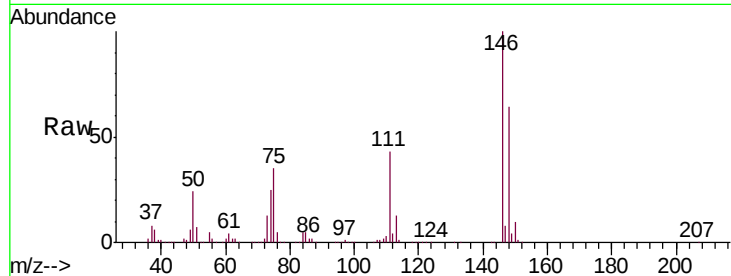
254 10.7 8.6 13.0





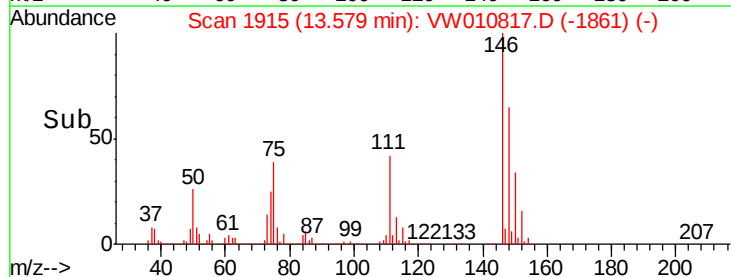
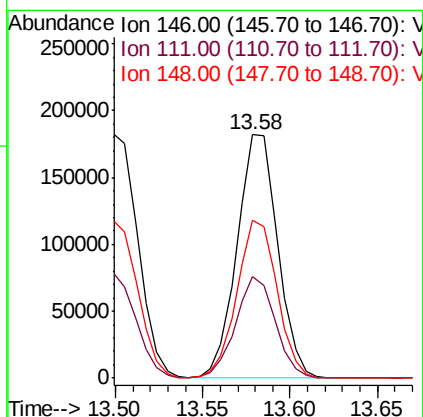
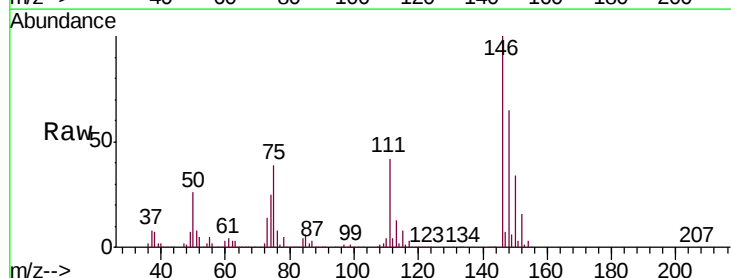
#63
 1,3-Dichlorobenzene
 Concen: 25.617 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010817.D
 Acq: 17 Jun 2019 09:47

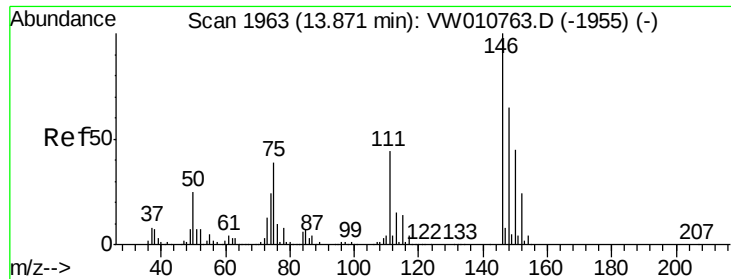
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	28.6	53.2
148	64.2	44.4	82.5



#64
 1,4-Dichlorobenzene
 Concen: 25.314 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010817.D
 Acq: 17 Jun 2019 09:47

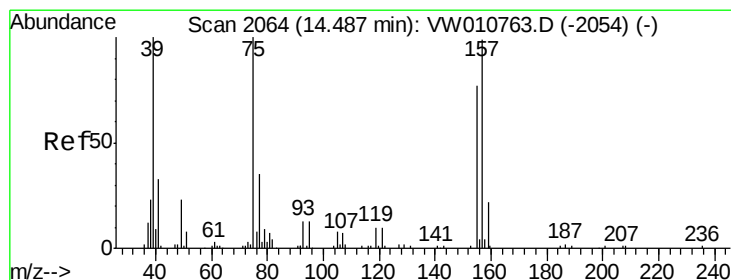
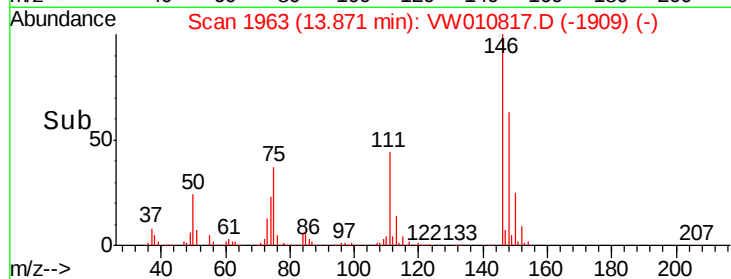
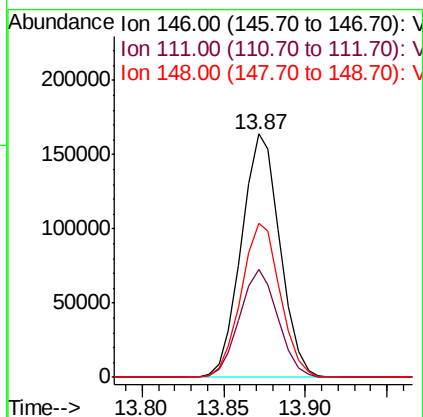
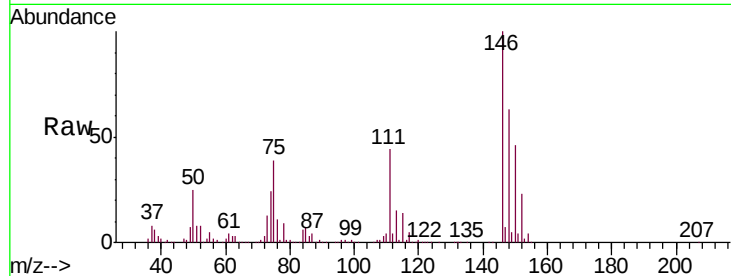
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	29.0	53.9
148	64.6	44.4	82.4





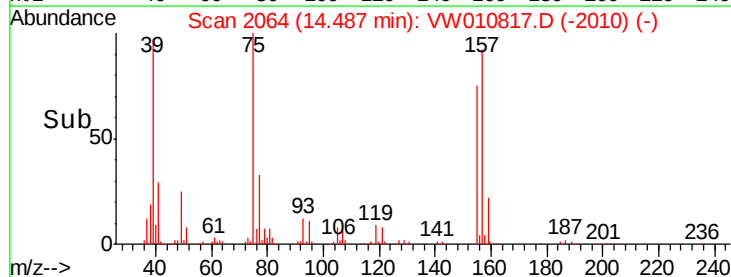
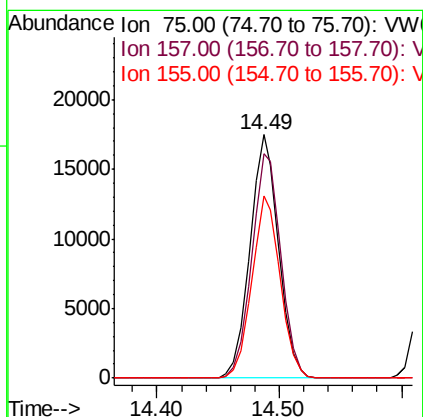
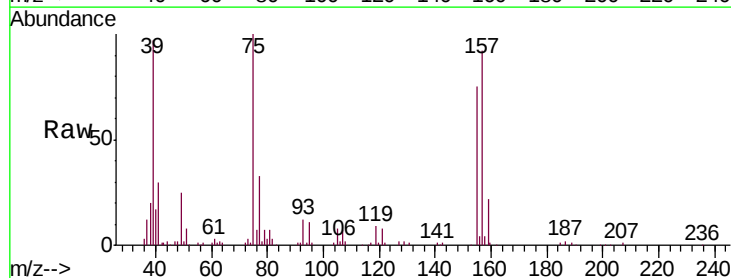
#65
 1,2-Dichlorobenzene
 Concen: 25.108 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010817.D
 Acq: 17 Jun 2019 09:47

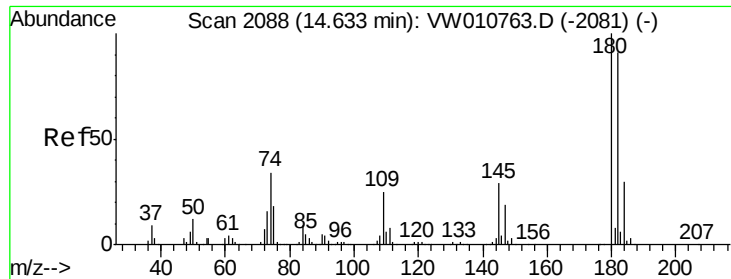
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	35.3	52.9
148	63.5	51.9	77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.959 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010817.D
 Acq: 17 Jun 2019 09:47

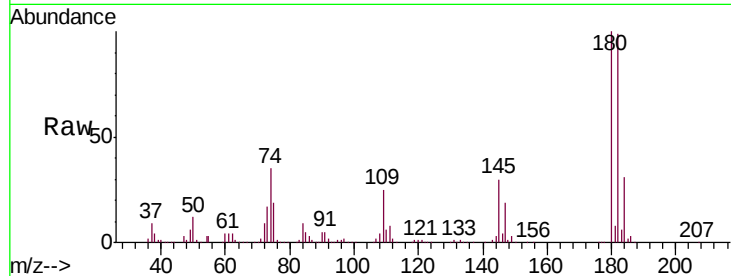
Tgt Ion	Ratio	Lower	Upper
75	100		
157	92.2	79.1	118.7
155	74.8	62.0	93.0



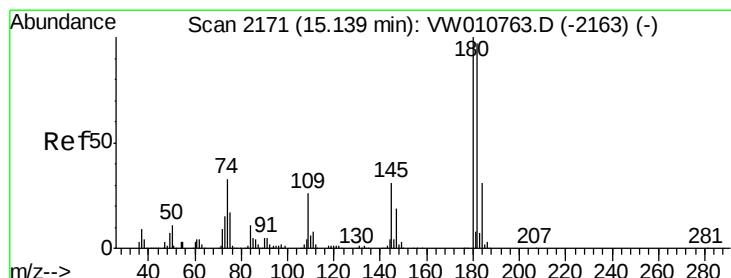
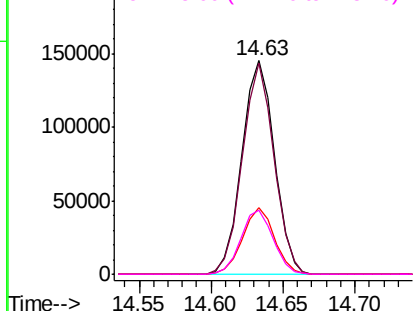
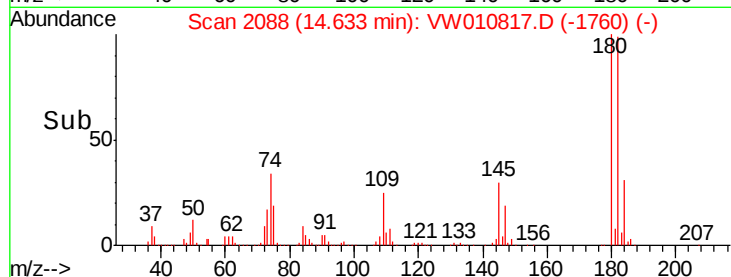


#67
 1,3,5-Trichlorobenzene
 Concen: 25.951 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010817.D
 Acq: 17 Jun 2019 09:47

Tgt Ion:	180	Resp:	226794
Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.5	114.7
184	30.6	24.6	37.0
145	29.9	24.1	36.1

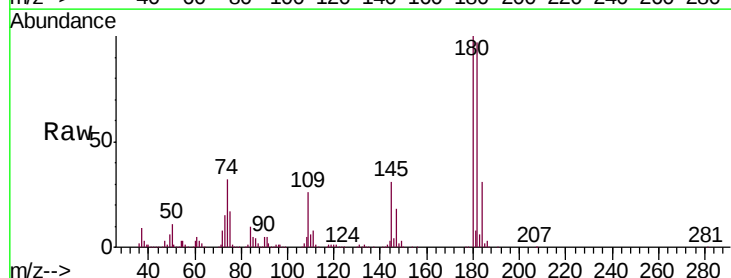


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

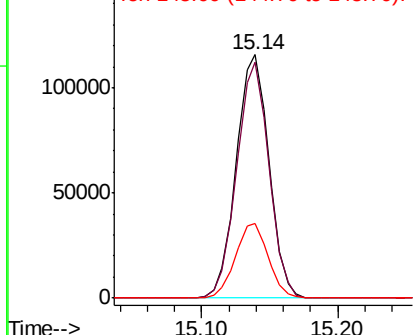
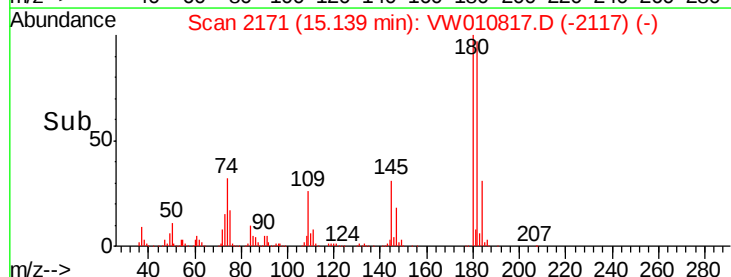


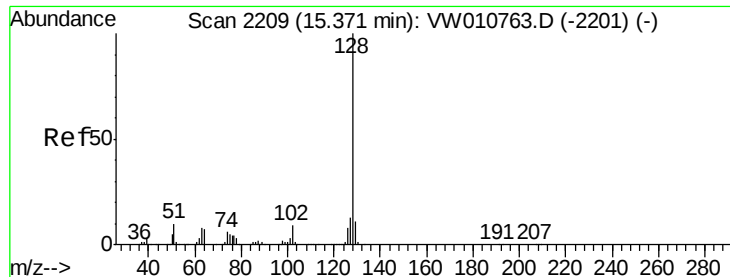
#68
 1,2,4-trichlorobenzene
 Concen: 26.636 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010817.D
 Acq: 17 Jun 2019 09:47

Tgt Ion:	180	Resp:	194268
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.4	114.6
145	30.7	24.8	37.2



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: 27.005 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010817.D

Acq: 17 Jun 2019 09:47

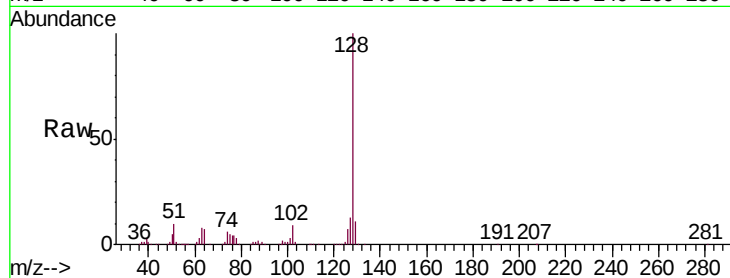
Tgt Ion:128 Resp: 416419

Ion Ratio Lower Upper

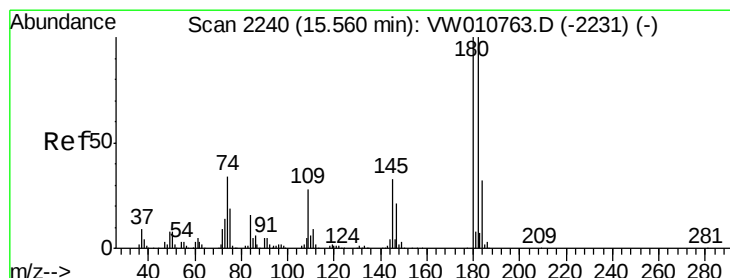
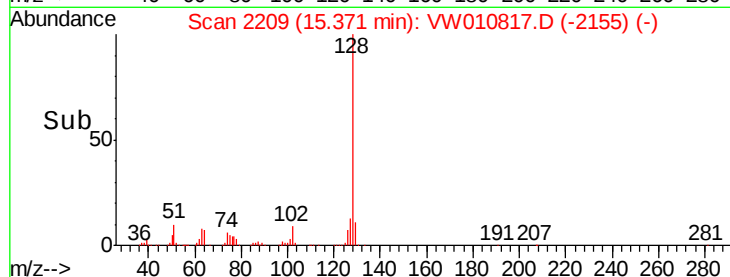
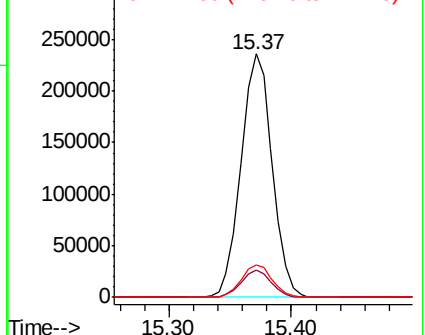
128 100

129 10.8 8.6 13.0

127 13.3 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: 26.241 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010817.D

Acq: 17 Jun 2019 09:47

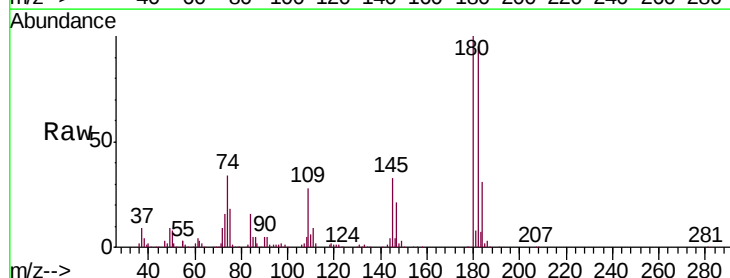
Tgt Ion:180 Resp: 171477

Ion Ratio Lower Upper

180 100

182 95.9 76.6 115.0

145 32.7 25.8 38.8



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

