

Data File : VW010837.D
Acq On : 17 Jun 2019 19:58
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 18 05:54:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 18 05:48:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	366240	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	339312	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	162237	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	115043	21.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.28%
7) Chloroethane-d5	2.88	69	91705	22.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.68%
10) 1,1-Dichloroethene-d2	4.01	63	247424	22.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.52%
20) 2-Butanone-d5	7.08	46	96375	46.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.10%
24) Chloroform-d	7.65	84	193080	25.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	8.31	65	152928	24.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.76%
29) Benzene-d6	8.27	84	478992	23.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.56%
33) 1,2-Dichloropropane-d6	9.27	67	158830	24.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.76%
37) Toluene-d8	10.32	98	434880	23.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.56%
38) trans-1,3-Dichloropropene-	10.58	79	71315	24.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.00%
39) 2-Hexanone-d5	10.93	63	81528	52.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	143627	26.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.36%
61) 1,2-Dichlorobenzene-d4	13.86	152	152581	24.71	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.84%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	135809	23.158	ug/L	100
3) Chloromethane	2.21	50	155331	23.816	ug/L	97
5) Vinyl chloride	2.35	62	138546	23.170	ug/L	99
6) Bromomethane	2.76	94	64037	23.774	ug/L	98
8) Chloroethane	2.92	64	81974	23.409	ug/L	99
9) Trichlorofluoromethane	3.26	101	186793	23.612	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	104991	22.683	ug/L	99
12) 1,1-Dichloroethene	4.04	96	96064	22.558	ug/L	98
13) Acetone	4.12	43	103025	45.819	ug/L	99
14) Carbon disulfide	4.38	76	267342	21.274	ug/L	99
15) Methyl Acetate	4.67	43	91071	25.228	ug/L	100
16) Methylene chloride	4.92	84	119787	23.835	ug/L	95
17) Methyl tert-butyl Ether	5.43	73	339942	24.107	ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	109165	22.991	ug/L	99
19) 1,1-Dichloroethane	6.21	63	237331	23.988	ug/L	99
21) 2-Butanone	7.17	43	139330	45.367	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	127699	23.634	ug/L	99

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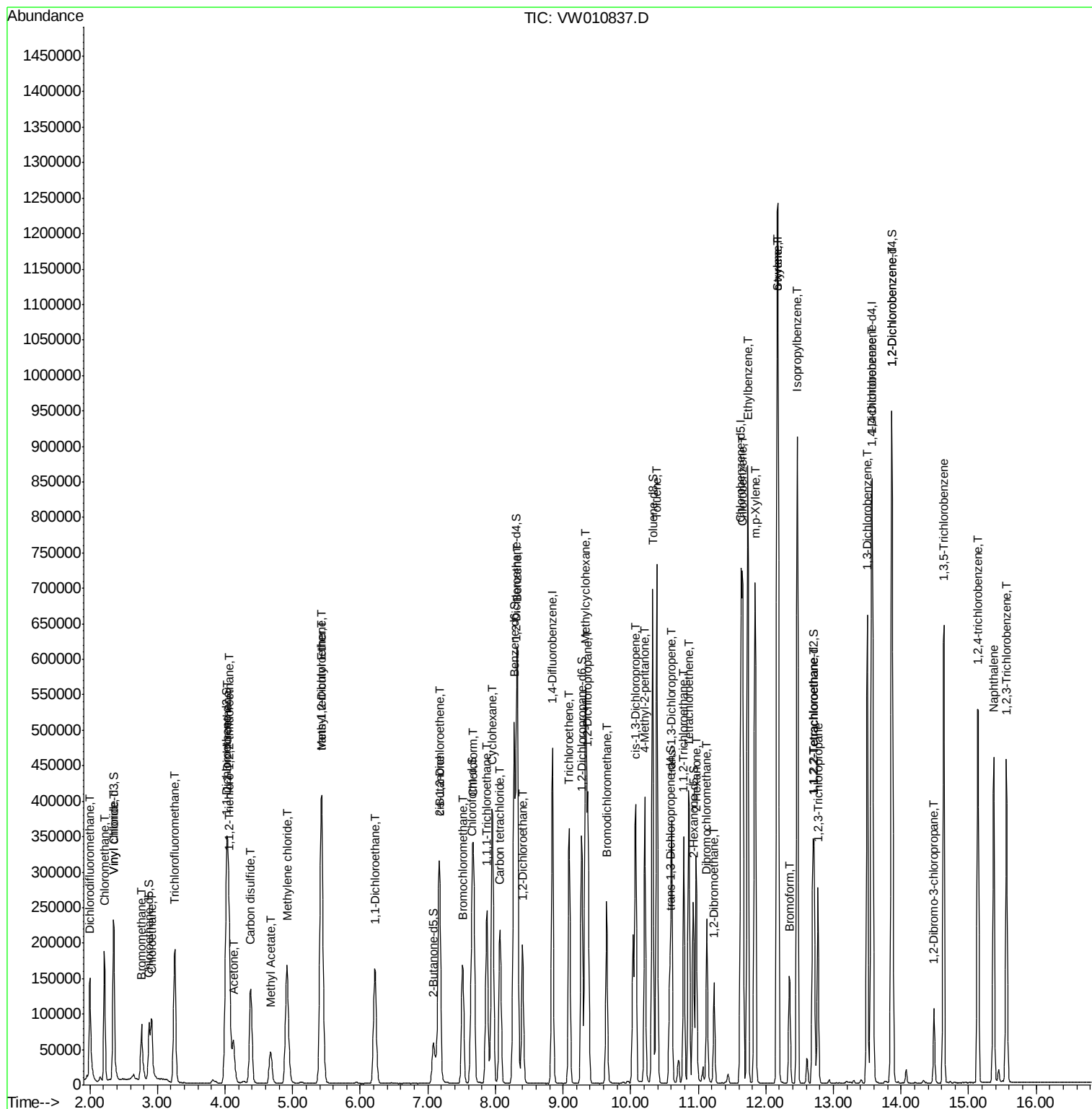
Quant Time: Jun 18 05:54:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
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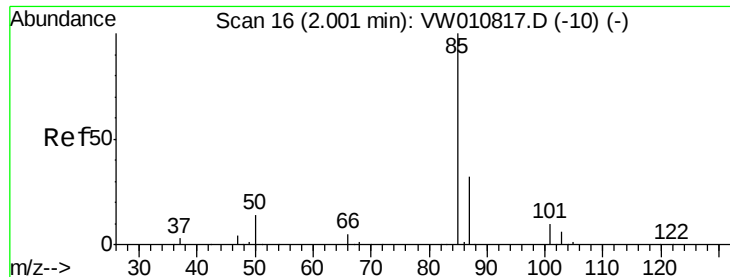
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	51776	23.360	ug/L	92
25) Chloroform	7.68	83	270497	23.755	ug/L	100
27) 1,2-Dichloroethane	8.40	62	177706	24.406	ug/L	99
30) Cyclohexane	7.95	56	221357	22.017	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	190355	23.474	ug/L	100
32) Carbon tetrachloride	8.07	117	156039	23.077	ug/L	100
34) Benzene	8.32	78	486927	23.331	ug/L	100
35) Trichloroethene	9.09	95	123313	23.056	ug/L	99
36) Methylcyclohexane	9.34	83	207582	22.030	ug/L	99
40) 1,2-Dichloropropane	9.37	63	140087	24.082	ug/L	100
41) Bromodichloromethane	9.65	83	166599	24.322	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	214028	24.035	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	285708	51.118	ug/L	100
44) Toluene	10.39	91	510703	23.364	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	186097	24.819	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	101204	24.439	ug/L	99
47) Tetrachloroethene	10.86	164	89542	22.342	ug/L	97
49) 2-Hexanone	10.97	43	215679	52.057	ug/L	98
50) Dibromochloromethane	11.13	129	113356	24.700	ug/L	98
51) 1,2-Dibromoethane	11.24	107	94603	23.859	ug/L	99
52) Chlorobenzene	11.66	112	323144	23.712	ug/L	99
53) Ethylbenzene	11.73	91	589169	23.551	ug/L	100
54) m,p-Xylene	11.84	106	212037	23.521	ug/L	97
55) o-xylene	12.16	106	207766	23.768	ug/L	98
56) Styrene	12.18	104	366423	24.089	ug/L	99
57) Isopropylbenzene	12.46	105	569816	23.807	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	140767	25.371	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	111813	25.492	ug/L	100
62) Bromoform	12.35	173	66915	24.319	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	248963	23.783	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	252891	23.870	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	235319	24.028	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	25626	24.822	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	191212	24.067	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	163118	24.602	ug/L	99
69) Naphthalene	15.37	128	371969	26.535	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	148738	25.038	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 23.158 ug/L

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW010837.D

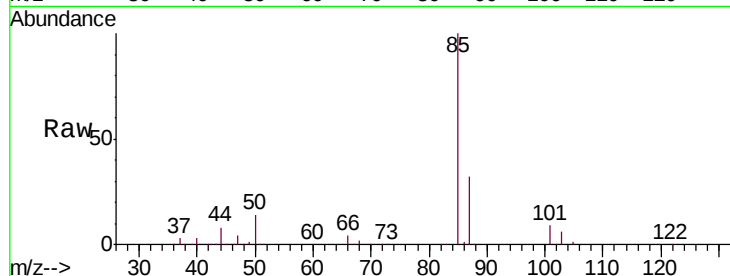
Acq: 17 Jun 2019 19:58

Tgt Ion: 85 Resp: 135809

Ion Ratio Lower Upper

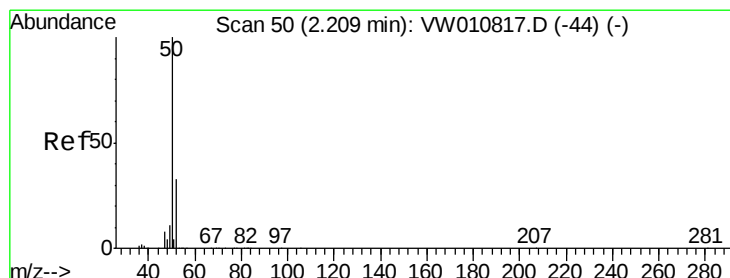
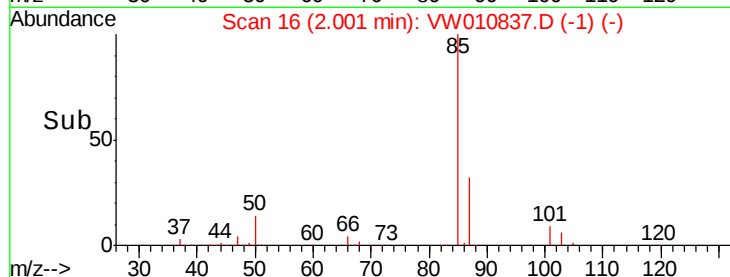
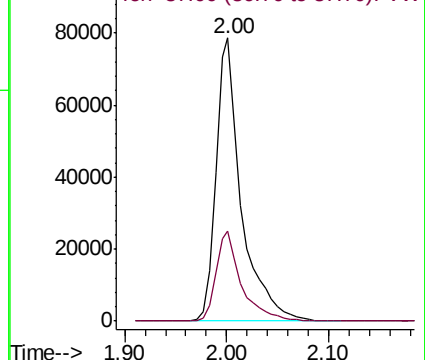
85 100

87 31.9 22.4 41.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.816 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010837.D

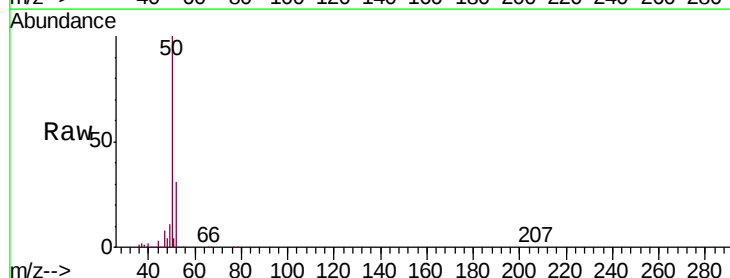
Acq: 17 Jun 2019 19:58

Tgt Ion: 50 Resp: 155331

Ion Ratio Lower Upper

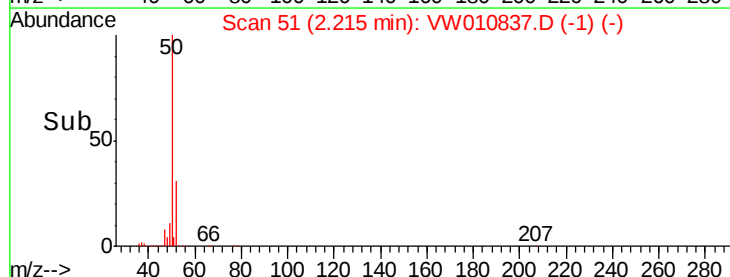
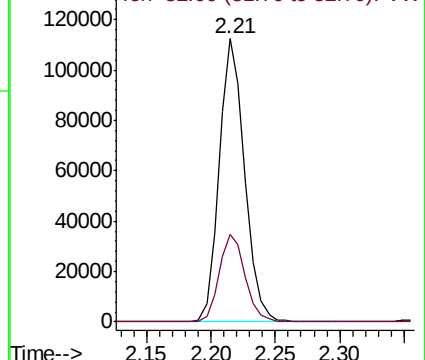
50 100

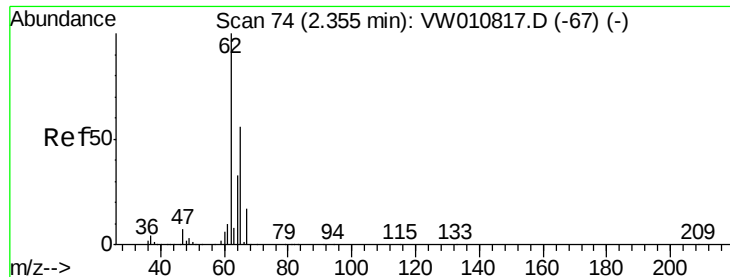
52 31.0 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.170 ug/L

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW010837.D

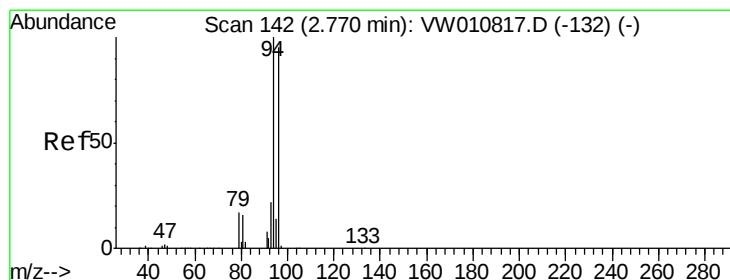
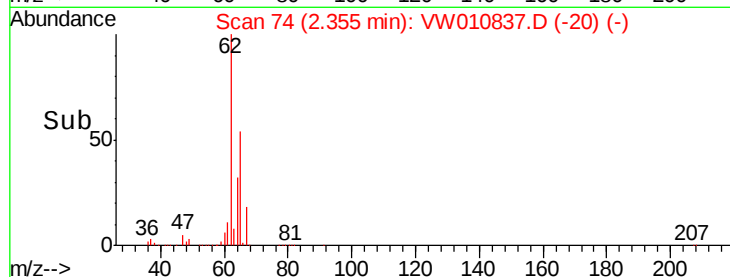
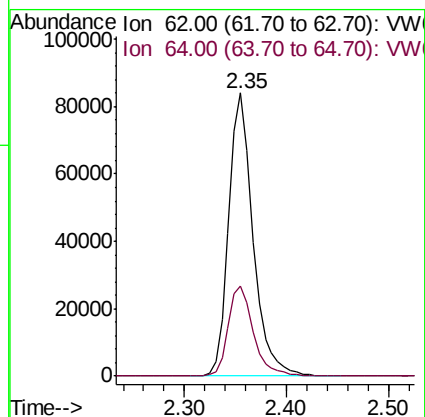
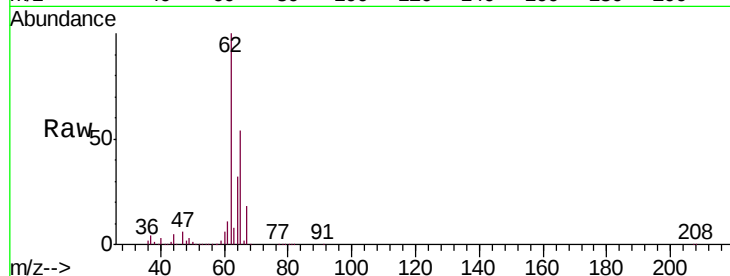
Acq: 17 Jun 2019 19:58

Tgt Ion: 62 Resp: 138546

Ion Ratio Lower Upper

62 100

64 31.6 22.4 41.6



#6

Bromomethane

Concen: 23.774 ug/L

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW010837.D

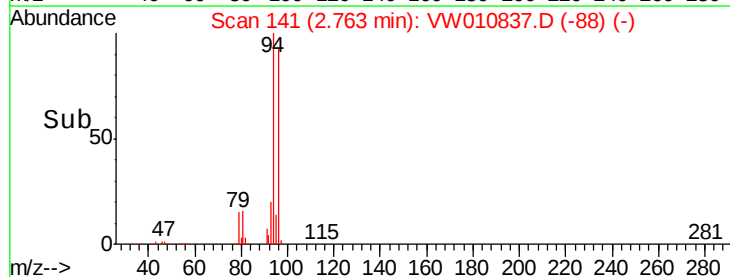
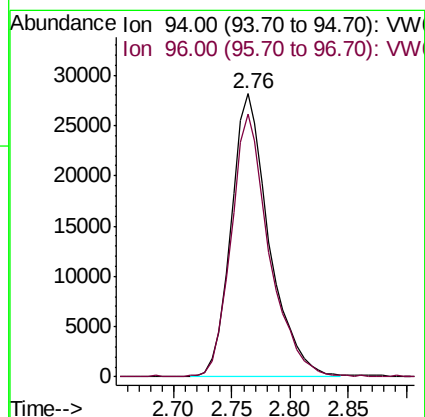
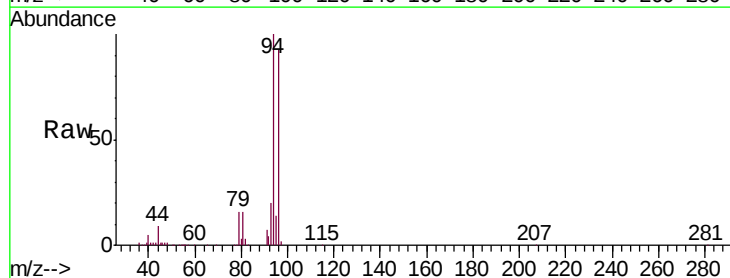
Acq: 17 Jun 2019 19:58

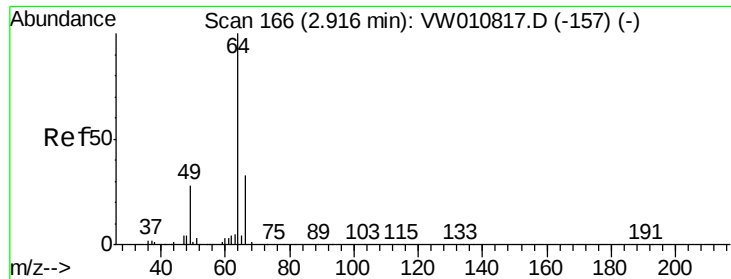
Tgt Ion: 94 Resp: 64037

Ion Ratio Lower Upper

94 100

96 92.7 9.5 180.7





#8

Chloroethane

Concen: 23.409 ug/L

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW010837.D

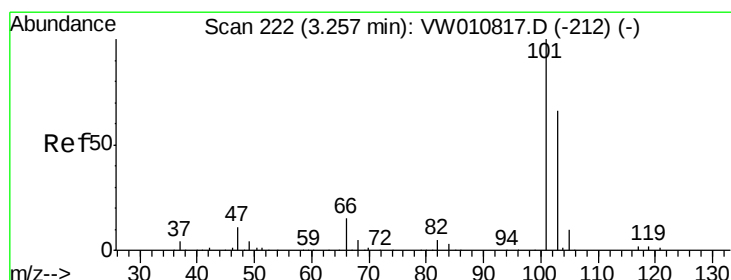
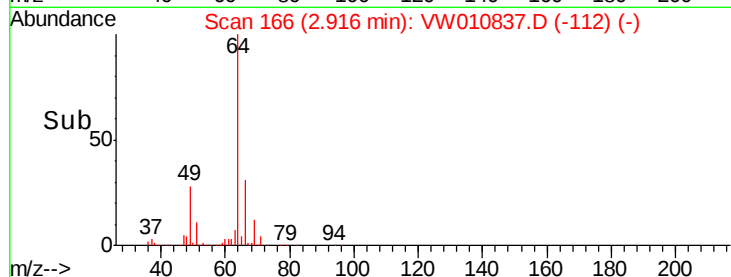
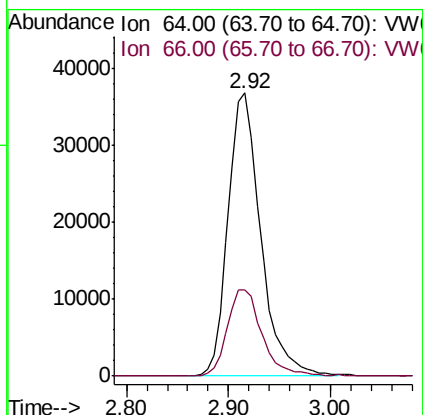
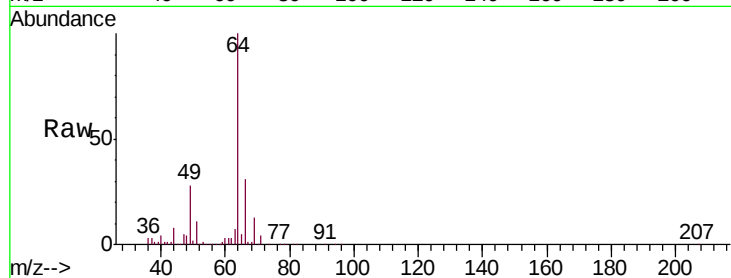
Acq: 17 Jun 2019 19:58

Tgt Ion: 64 Resp: 81974

Ion Ratio Lower Upper

64 100

66 30.6 21.8 40.4



#9

Trichlorofluoromethane

Concen: 23.612 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW010837.D

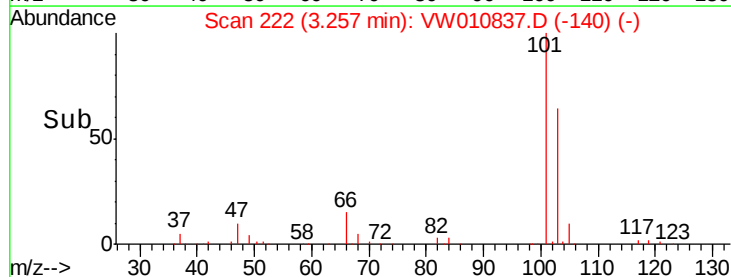
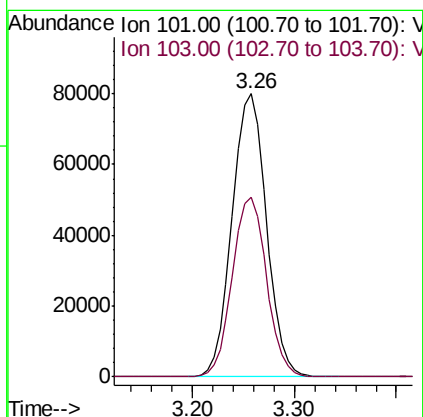
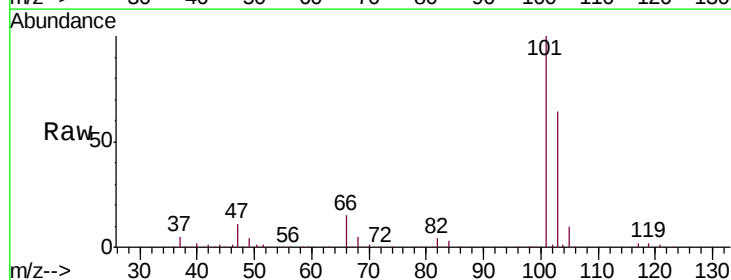
Acq: 17 Jun 2019 19:58

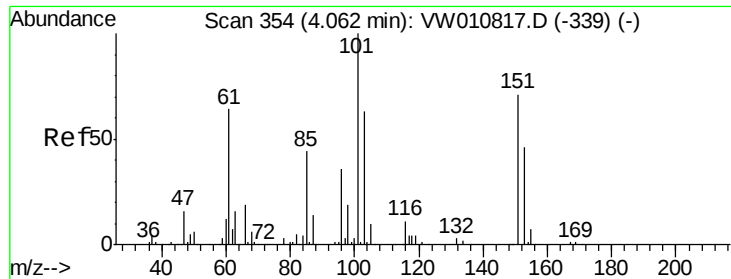
Tgt Ion: 101 Resp: 186793

Ion Ratio Lower Upper

101 100

103 63.4 45.1 83.7





#11

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

Concen: 22.683 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW010837.D

Acq: 17 Jun 2019 19:58

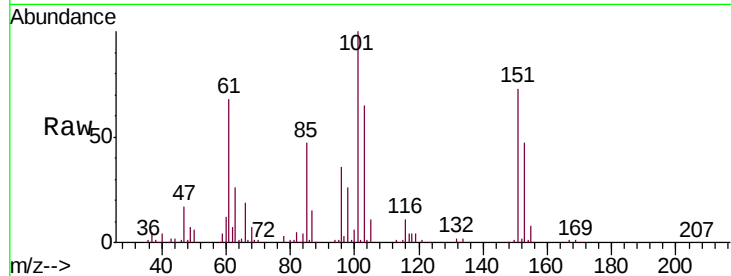
Tgt Ion: 101 Resp: 104991

Ion Ratio Lower Upper

101 100

85 45.8 35.9 53.9

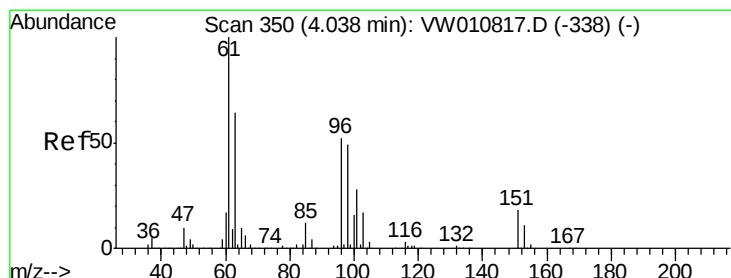
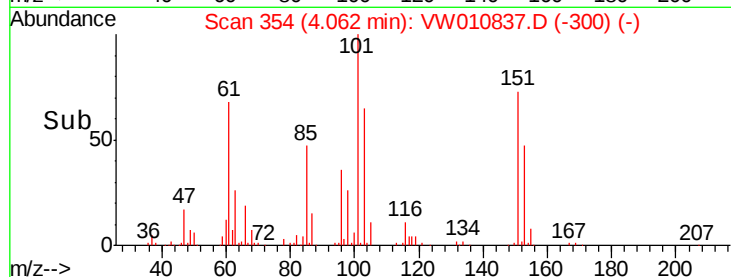
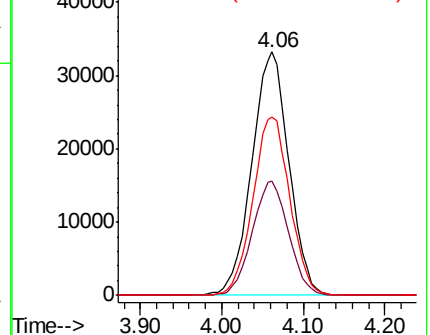
151 72.7 58.6 88.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 22.558 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW010837.D

Acq: 17 Jun 2019 19:58

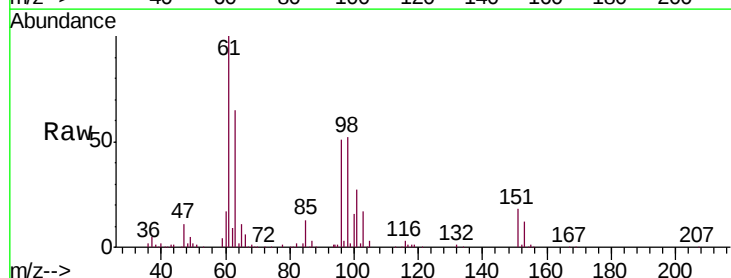
Tgt Ion: 96 Resp: 96064

Ion Ratio Lower Upper

96 100

61 195.0 139.9 259.7

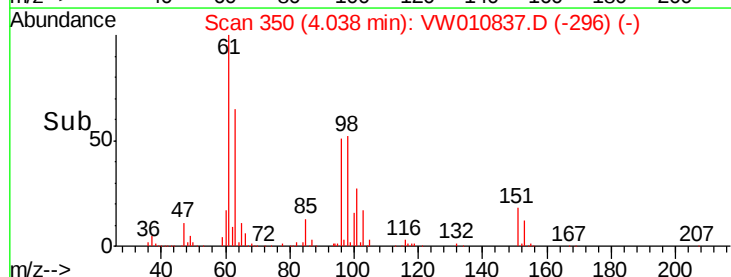
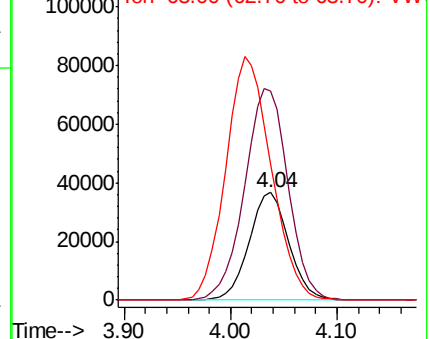
63 126.7 89.2 165.8

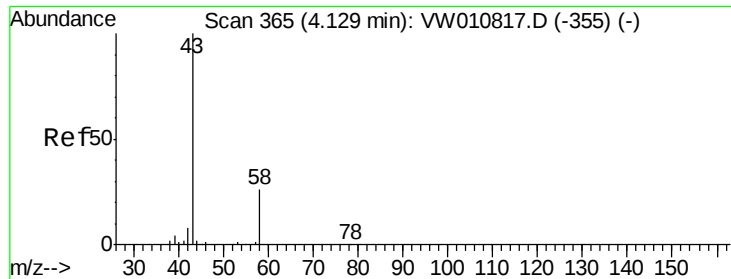


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 45.819 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW010837.D

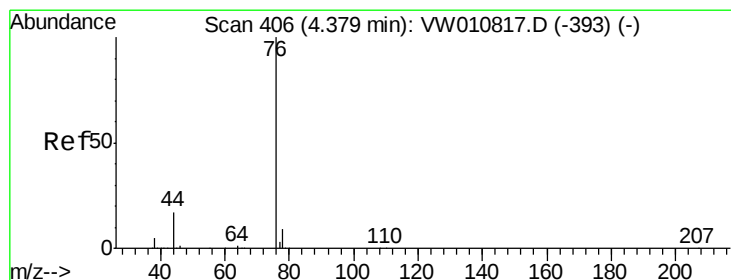
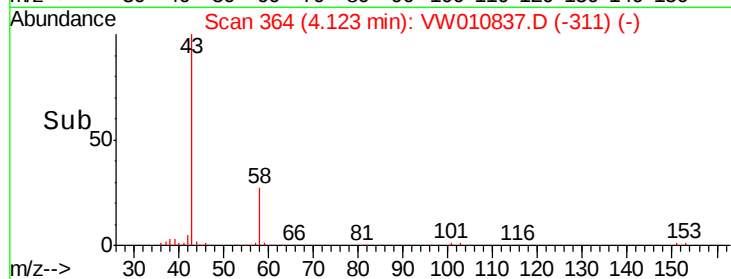
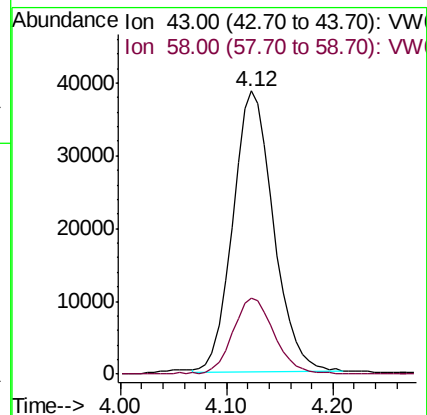
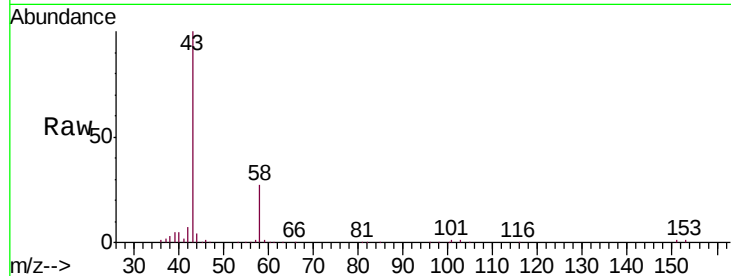
Acq: 17 Jun 2019 19:58

Tgt Ion: 43 Resp: 103025

Ion Ratio Lower Upper

43 100

58 27.6 0.0 54.6



#14

Carbon disulfide

Concen: 21.274 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW010837.D

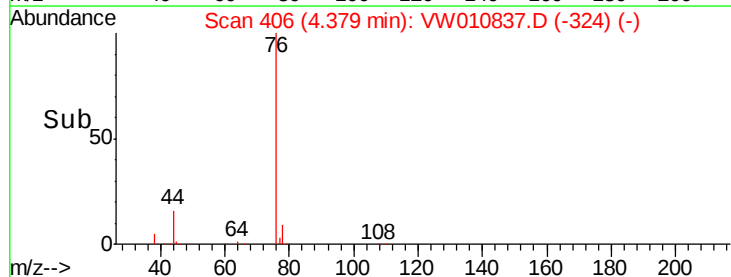
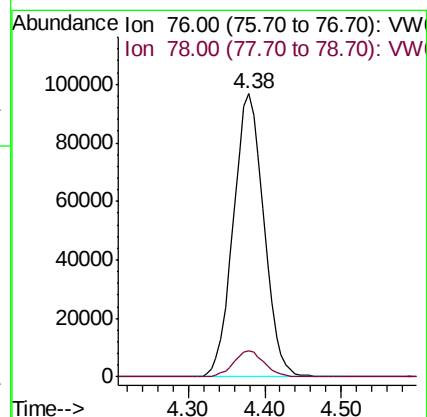
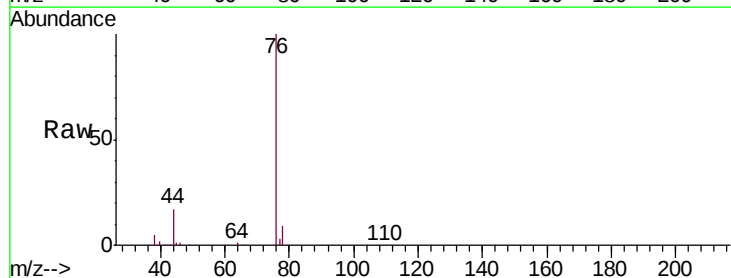
Acq: 17 Jun 2019 19:58

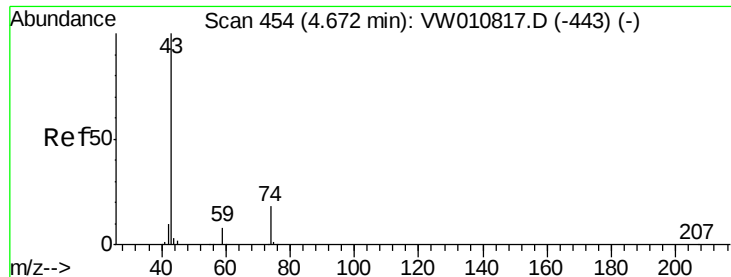
Tgt Ion: 76 Resp: 267342

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4





#15

Methyl Acetate

Concen: 25.228 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW010837.D

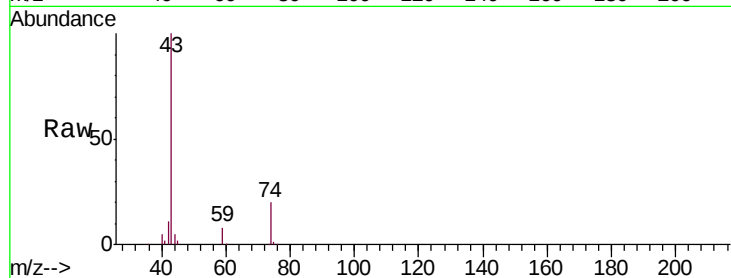
Acq: 17 Jun 2019 19:58

Tgt Ion: 43 Resp: 91071

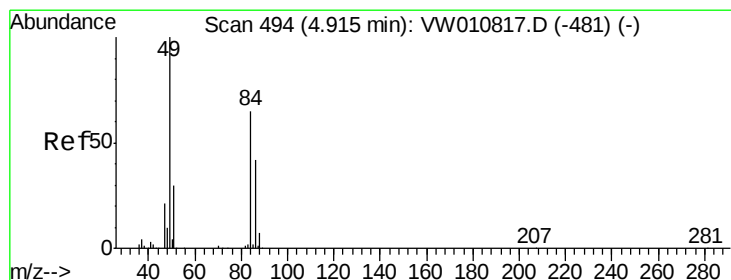
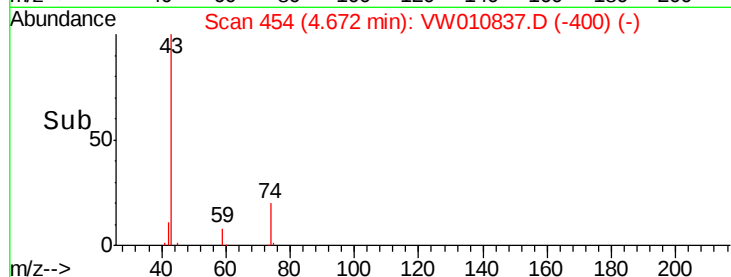
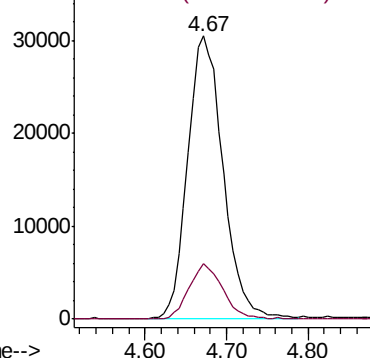
Ion Ratio Lower Upper

43 100

74 18.9 15.0 22.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 23.835 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW010837.D

Acq: 17 Jun 2019 19:58

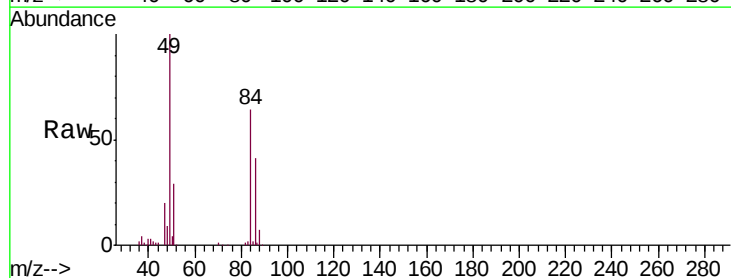
Tgt Ion: 84 Resp: 119787

Ion Ratio Lower Upper

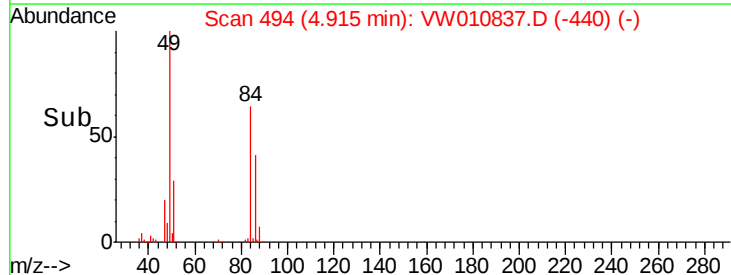
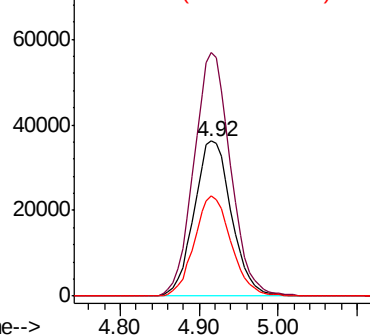
84 100

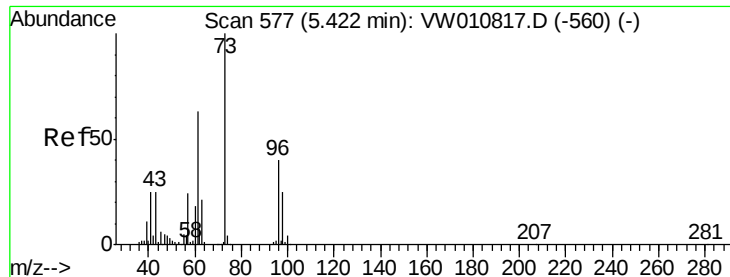
49 157.2 105.2 195.4

86 64.7 43.7 81.1



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: 24.107 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW010837.D

Acq: 17 Jun 2019 19:58

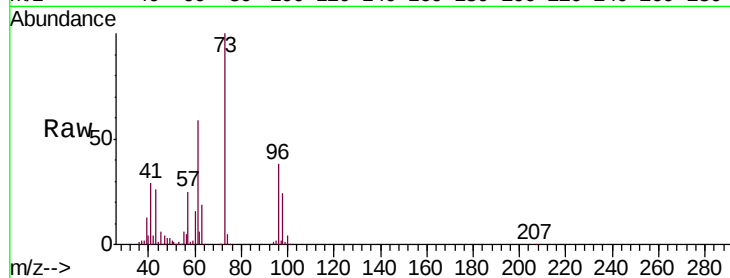
Tgt Ion: 73 Resp: 339942

Ion Ratio Lower Upper

73 100

43 25.8 19.8 29.6

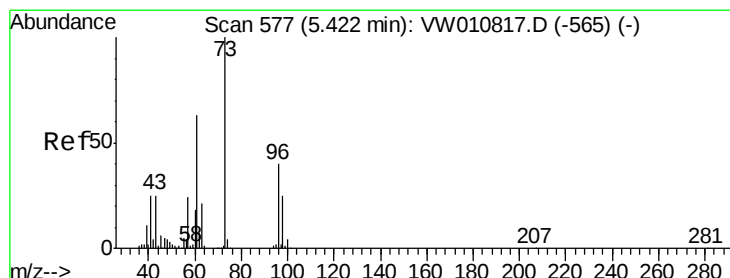
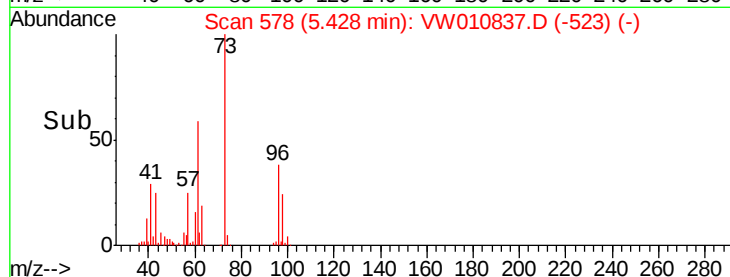
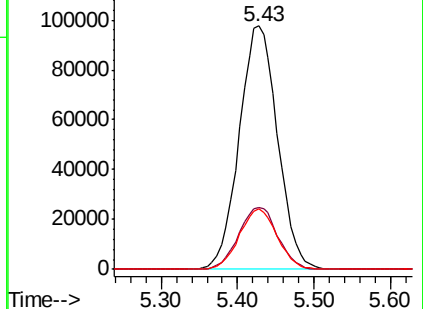
57 24.6 19.2 28.8



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: 22.991 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW010837.D

Acq: 17 Jun 2019 19:58

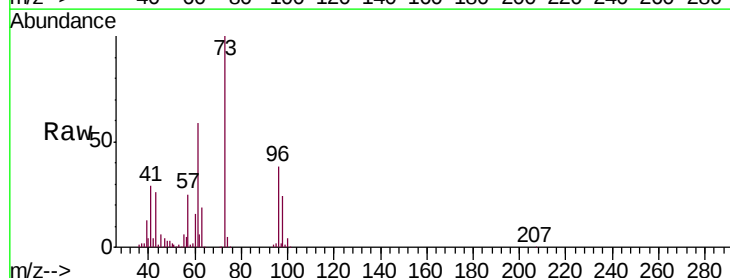
Tgt Ion: 96 Resp: 109165

Ion Ratio Lower Upper

96 100

61 157.2 111.5 207.1

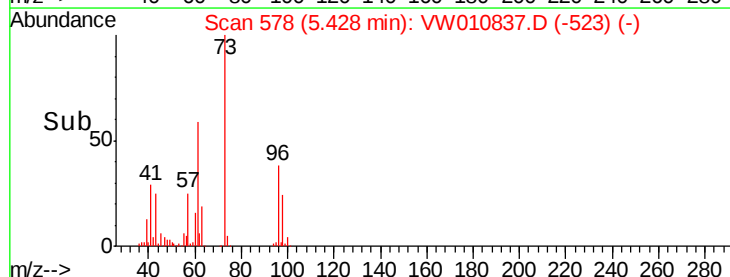
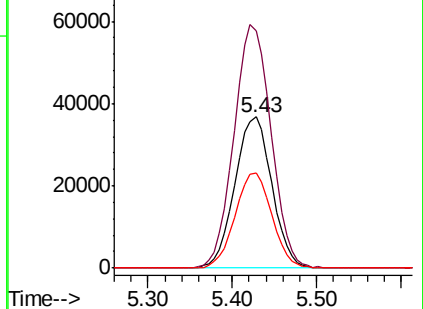
98 62.8 44.1 81.9

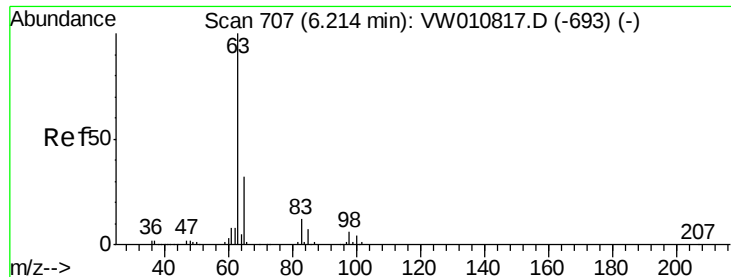


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

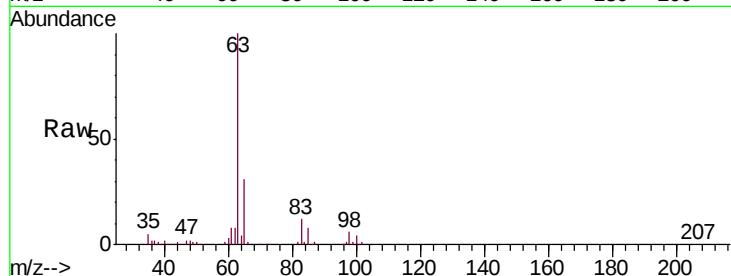
Ion 98.00 (97.70 to 98.70): VW



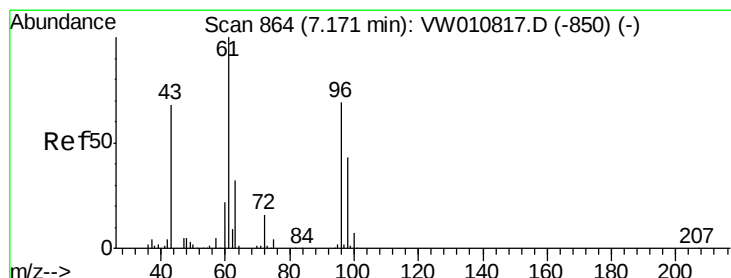
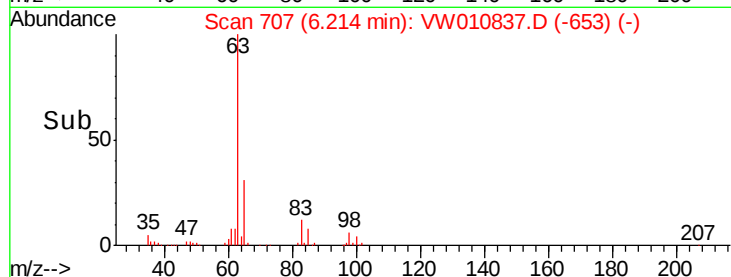
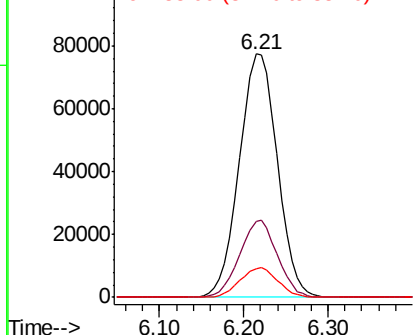


#19
 1,1-Dichloroethane
 Concen: 23.988 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW010837.D
 Acq: 17 Jun 2019 19:58

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.2	22.2	41.2
83	12.0	8.6	16.0

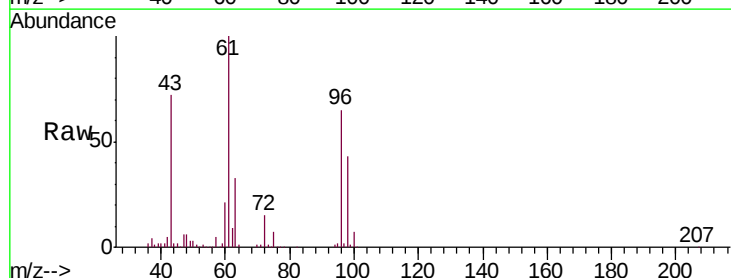


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

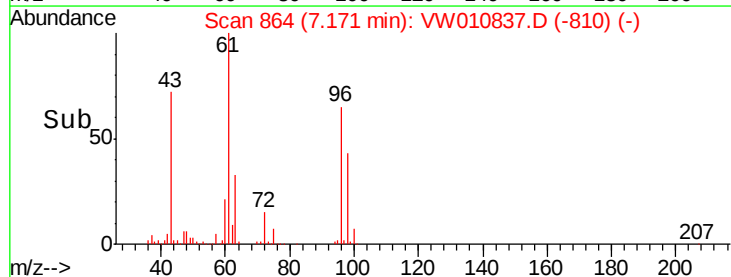
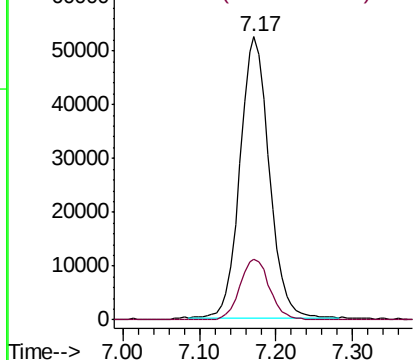


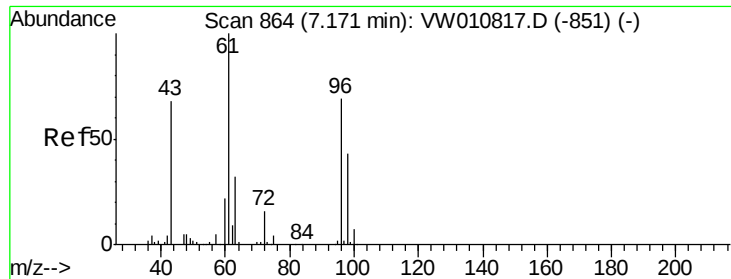
#21
 2-Butanone
 Concen: 45.367 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW010837.D
 Acq: 17 Jun 2019 19:58

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.9	11.0	33.0



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

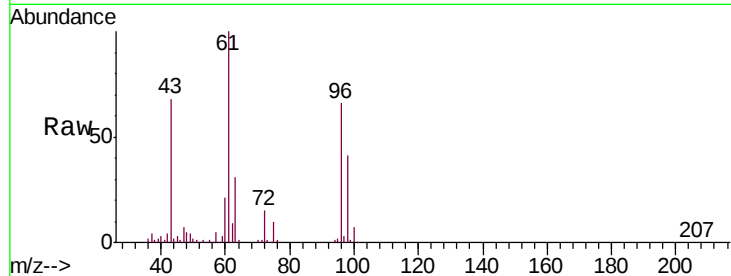




#22

cis-1,2-Dichloroethene
Concen: 23.634 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010837.D
Acq: 17 Jun 2019 19:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.2	105.3	195.6
98	62.2	44.6	82.8

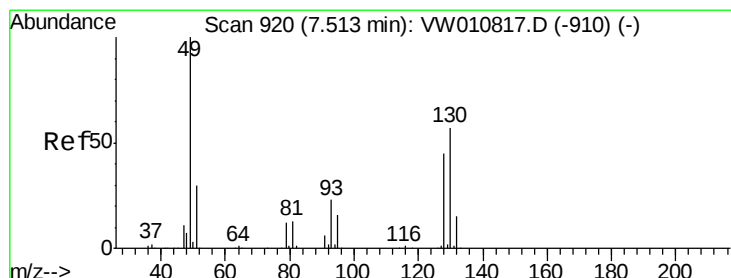
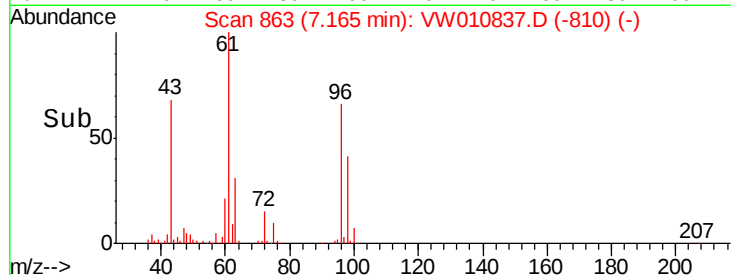
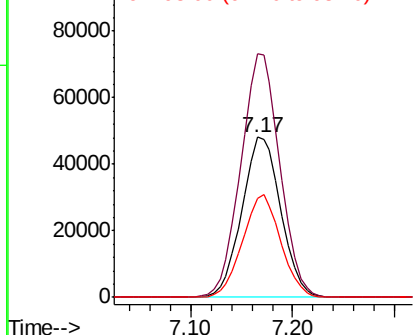


Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

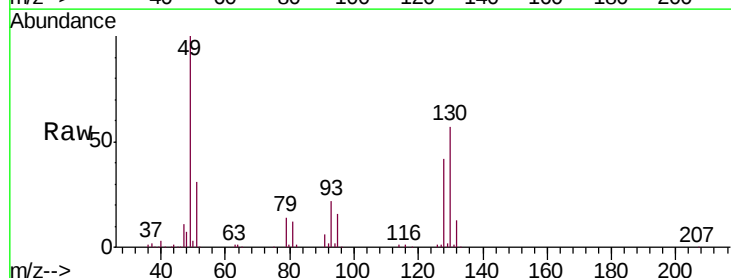
Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane
Concen: 23.360 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW010837.D
Acq: 17 Jun 2019 19:58

Tgt Ion	Ratio	Lower	Upper
128	100		
49	237.5	155.1	288.1
130	135.9	91.3	169.6
51	72.7	53.4	80.0



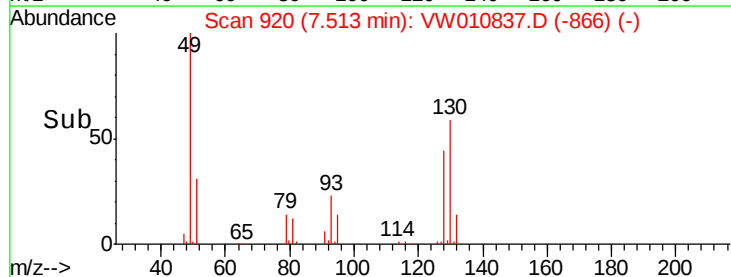
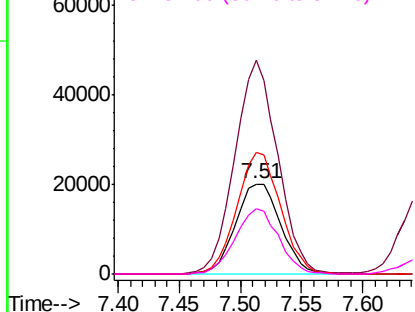
Abundance

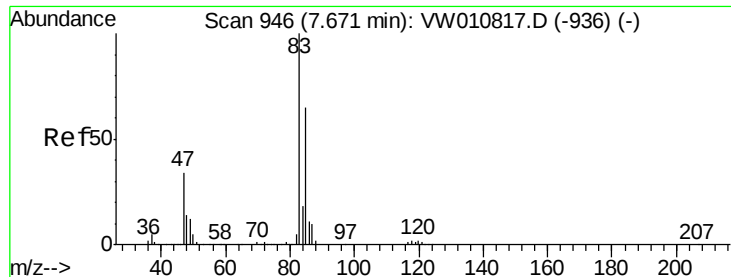
Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

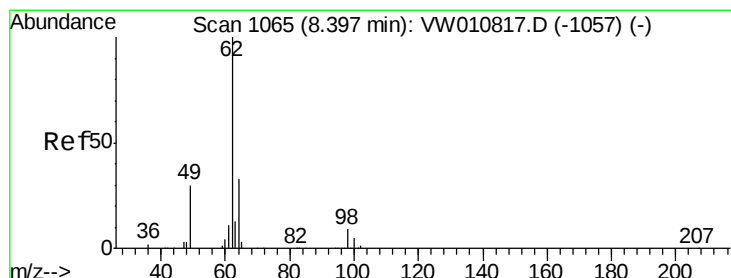
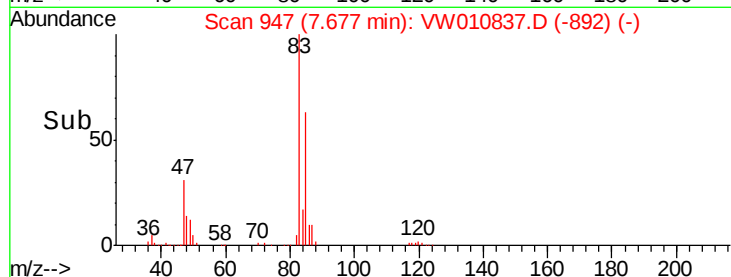
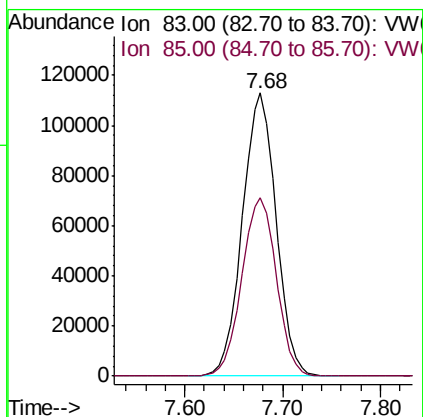
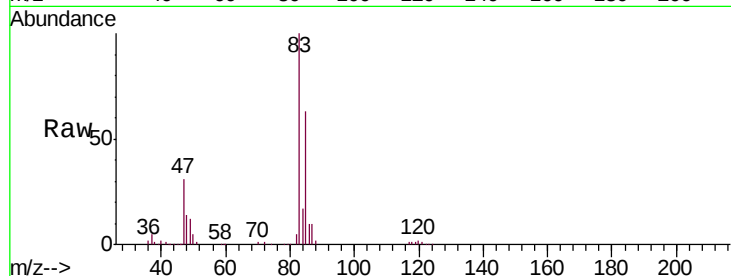
Ion 51.00 (50.70 to 51.70): VW





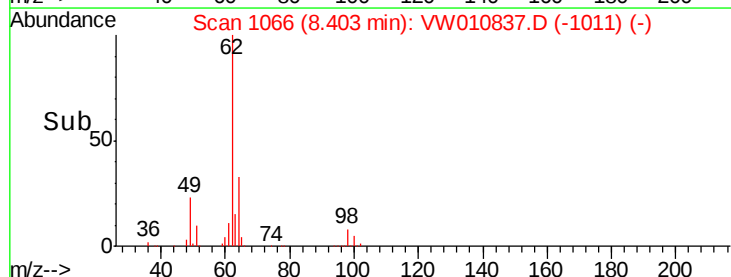
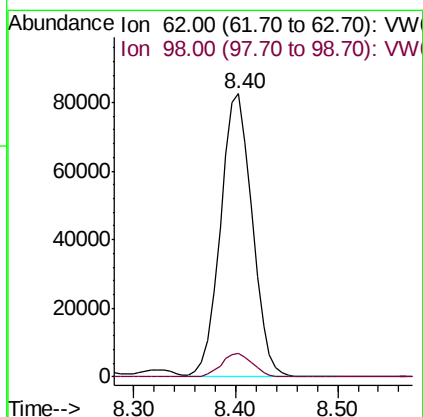
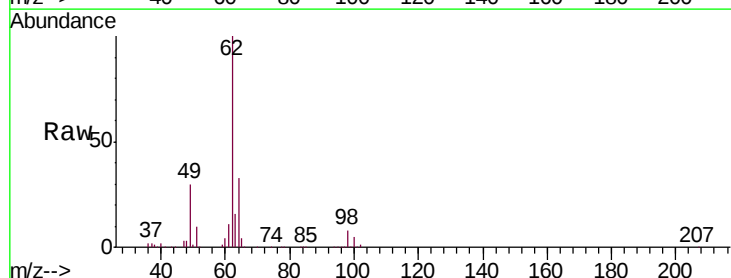
#25
Chloroform
Concen: 23.755 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW010837.D
Acq: 17 Jun 2019 19:58

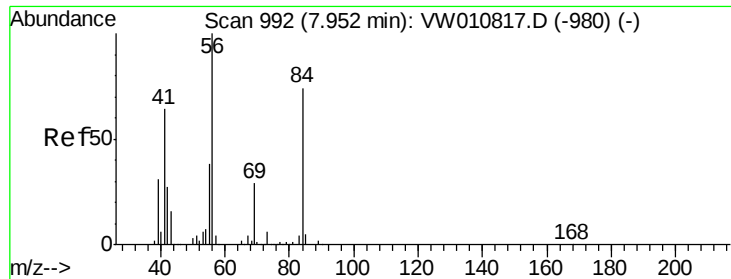
Tgt Ion: 83 Resp: 270497
Ion Ratio Lower Upper
83 100
85 64.6 45.4 84.4



#27
1,2-Dichloroethane
Concen: 24.406 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010837.D
Acq: 17 Jun 2019 19:58

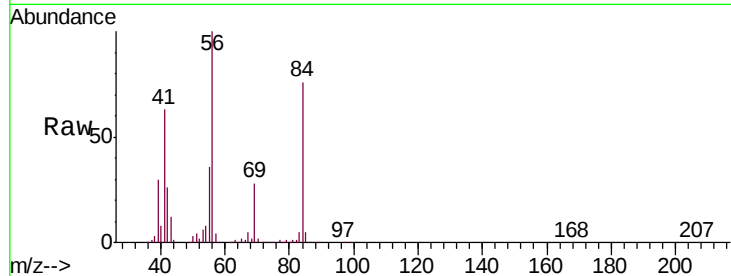
Tgt Ion: 62 Resp: 177706
Ion Ratio Lower Upper
62 100
98 8.5 6.6 10.0



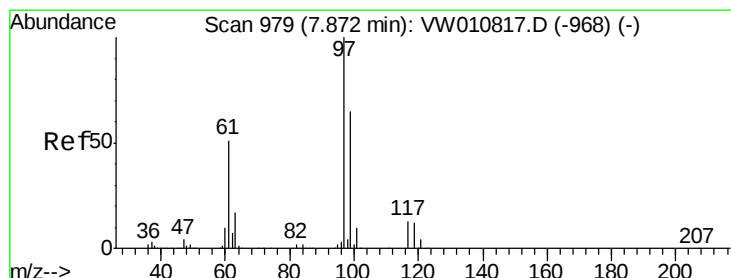
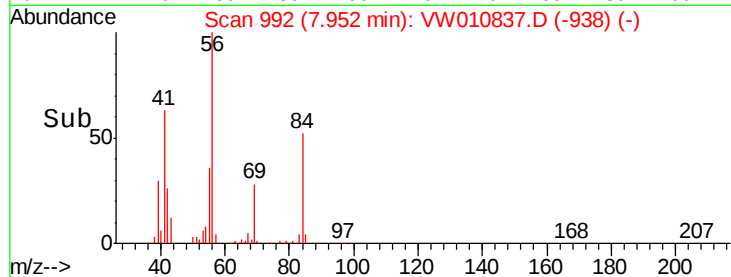
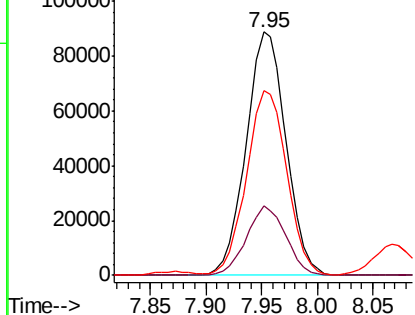


#30
Cyclohexane
Concen: 22.017 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010837.D
Acq: 17 Jun 2019 19:58

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.1	22.6	33.8
84	76.7	61.1	91.7

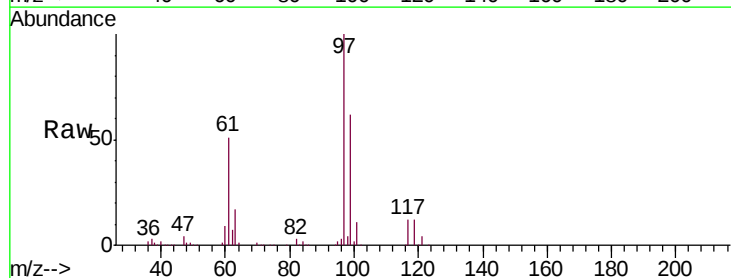


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

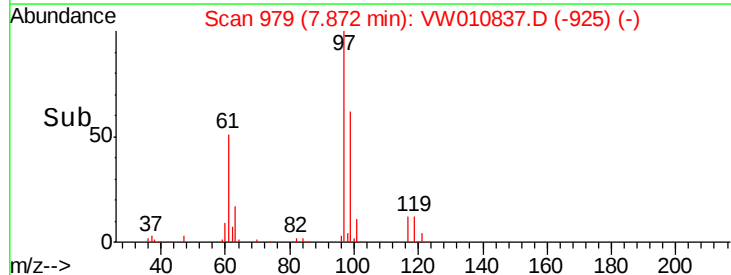
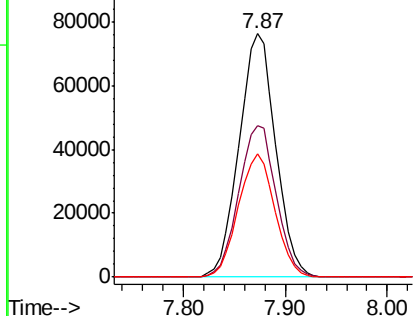


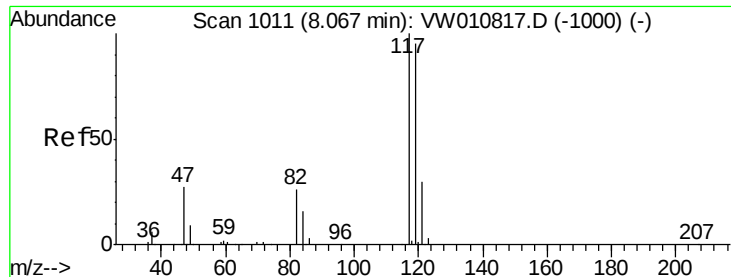
#31
1,1,1-Trichloroethane
Concen: 23.474 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010837.D
Acq: 17 Jun 2019 19:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.4
61	50.7	40.4	60.6



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: 23.077 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW010837.D

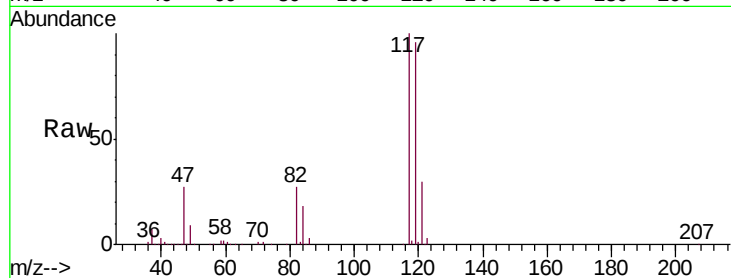
Acq: 17 Jun 2019 19:58

Tgt Ion: 117 Resp: 156039

Ion Ratio Lower Upper

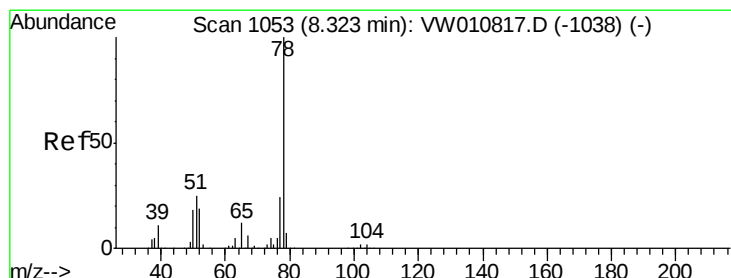
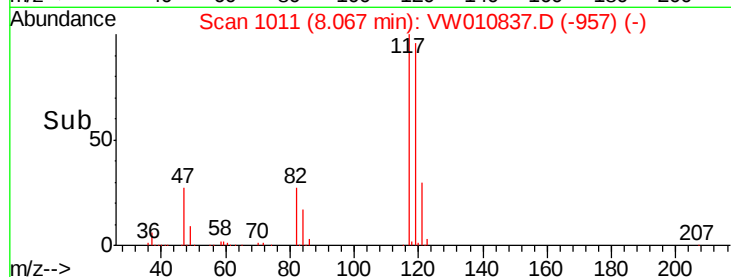
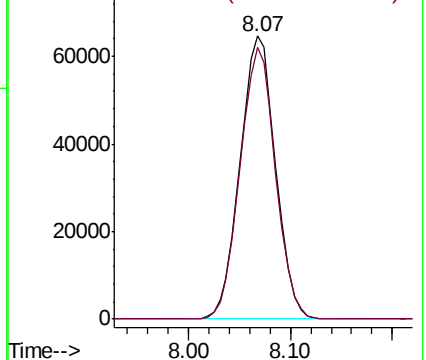
117 100

119 95.9 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: 23.331 ug/L

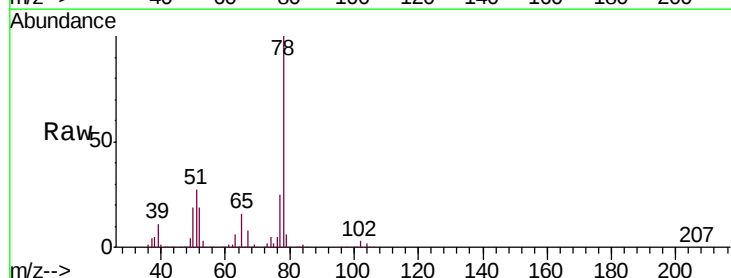
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

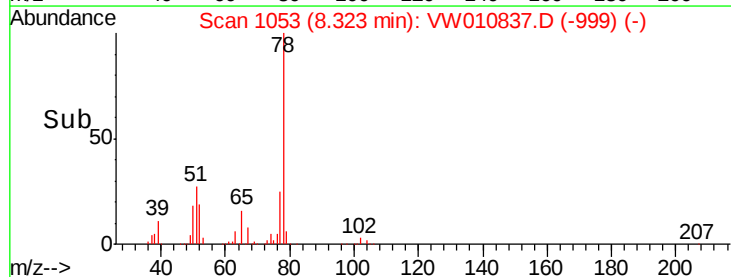
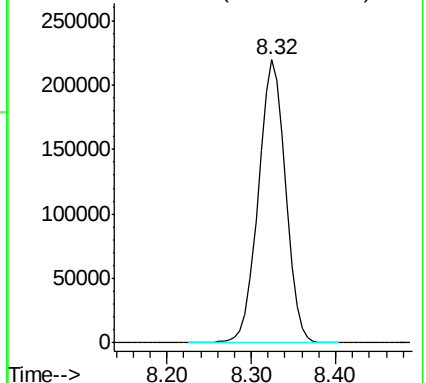
Lab File: VW010837.D

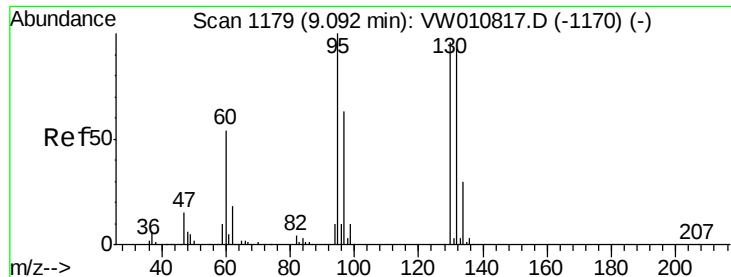
Acq: 17 Jun 2019 19:58

Tgt Ion: 78 Resp: 486927



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.056 ug/L

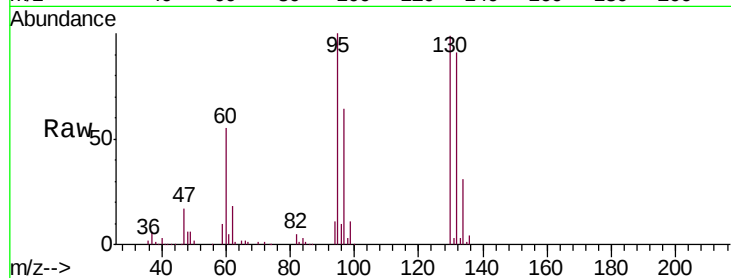
RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010837.D

Acq: 17 Jun 2019 19:58

Tgt Ion:	95	Resp:	123313
Ion	Ratio	Lower	Upper
95	100		
97	63.5	45.4	84.2
132	91.9	65.0	120.6
130	97.6	68.3	126.9

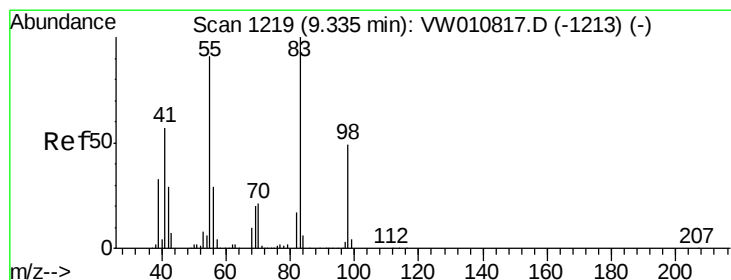
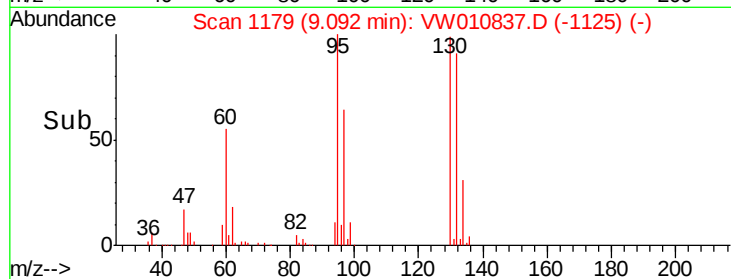
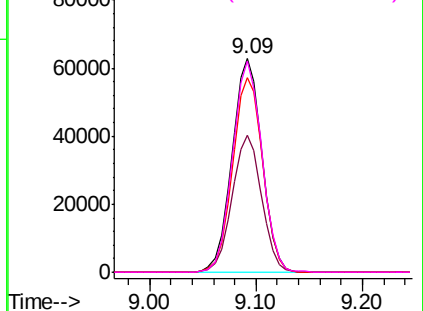


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 22.030 ug/L

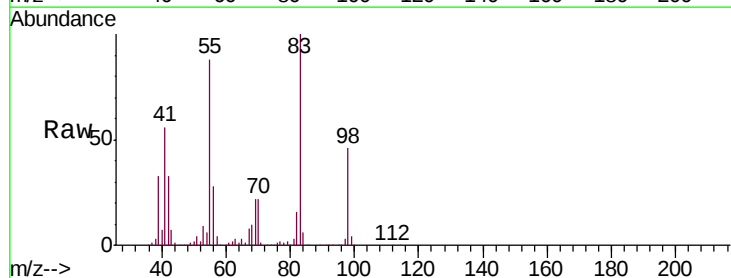
RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW010837.D

Acq: 17 Jun 2019 19:58

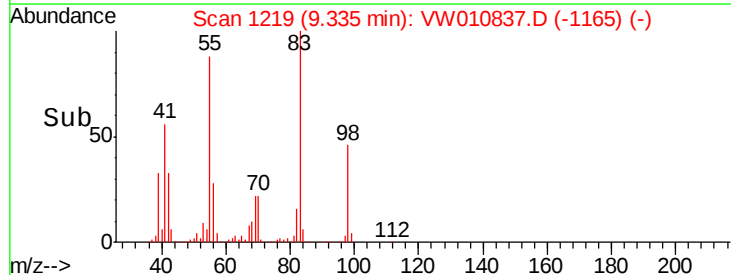
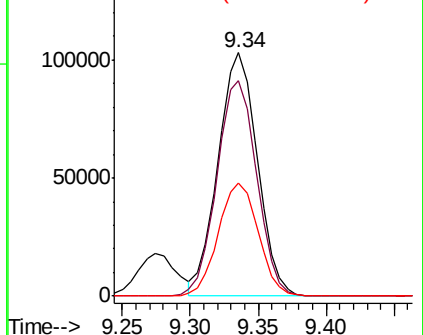
Tgt Ion:	83	Resp:	207582
Ion	Ratio	Lower	Upper
83	100		
55	89.2	71.6	107.4
98	47.1	38.2	57.2

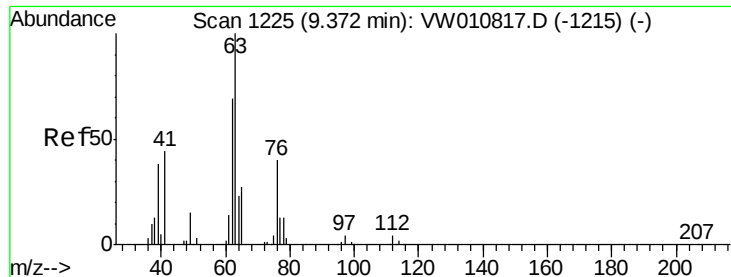


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.082 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010837.D

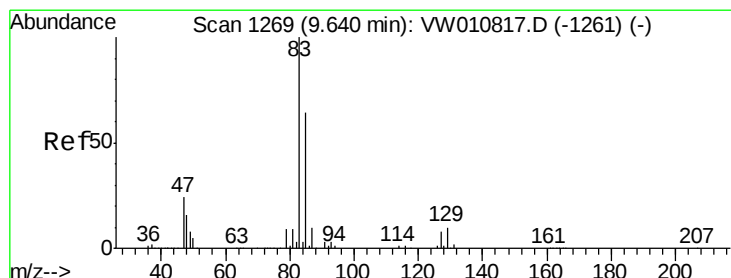
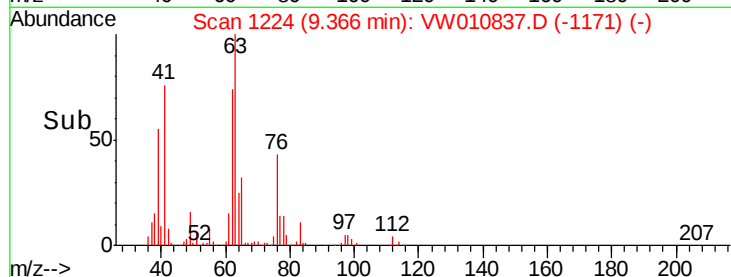
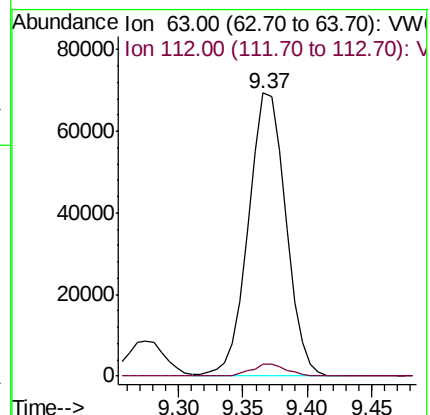
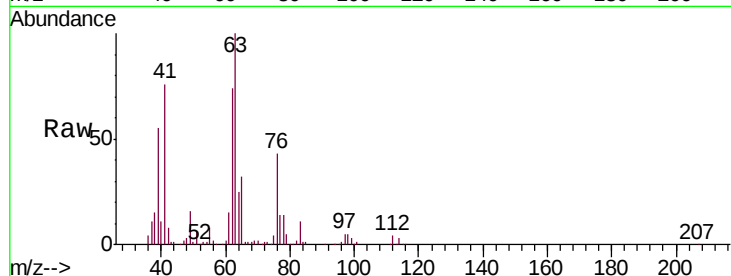
Acq: 17 Jun 2019 19:58

Tgt Ion: 63 Resp: 140087

Ion Ratio Lower Upper

63 100

112 3.9 3.1 4.7



#41

Bromodichloromethane

Concen: 24.322 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW010837.D

Acq: 17 Jun 2019 19:58

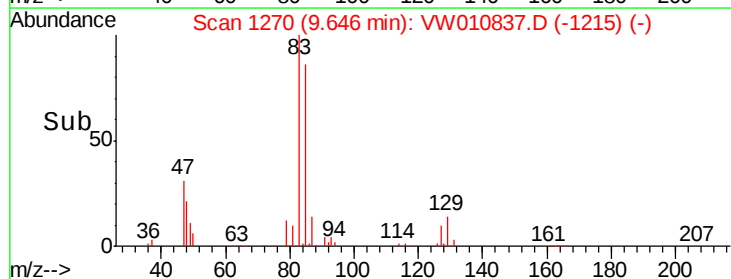
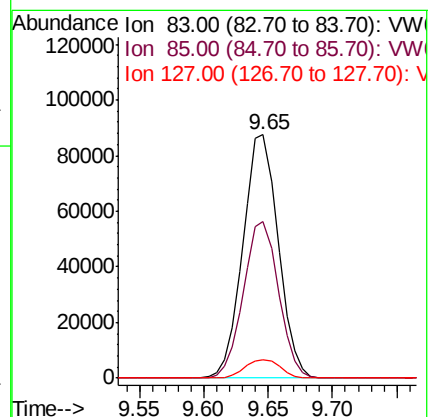
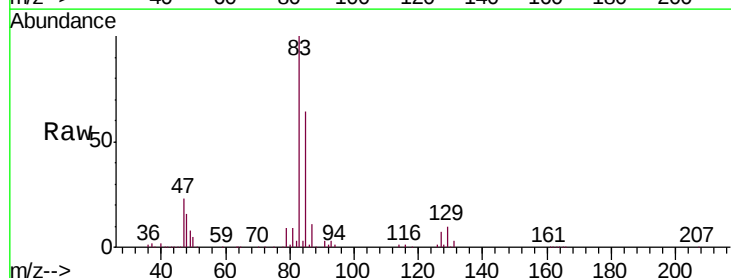
Tgt Ion: 83 Resp: 166599

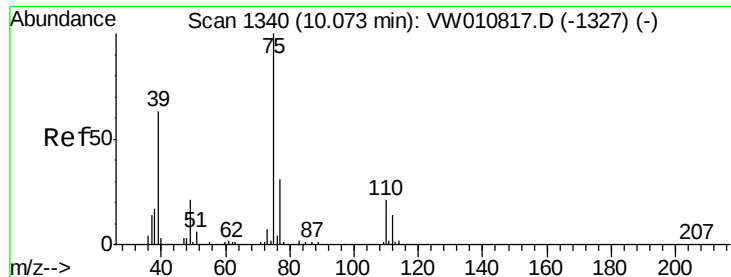
Ion Ratio Lower Upper

83 100

85 64.1 44.7 82.9

127 7.5 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 24.035 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010837.D

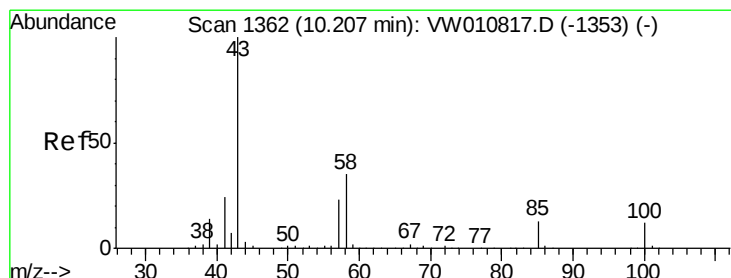
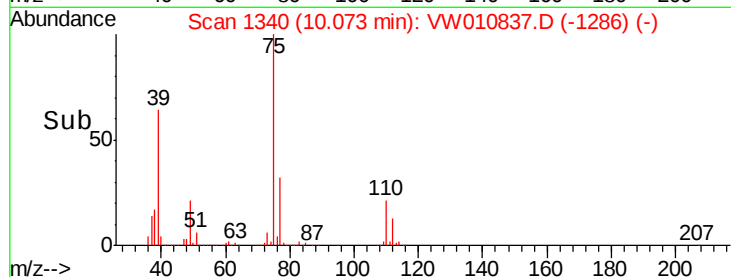
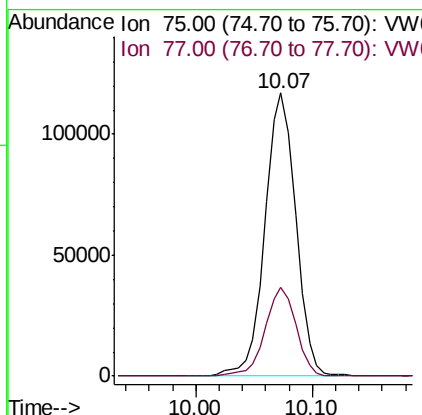
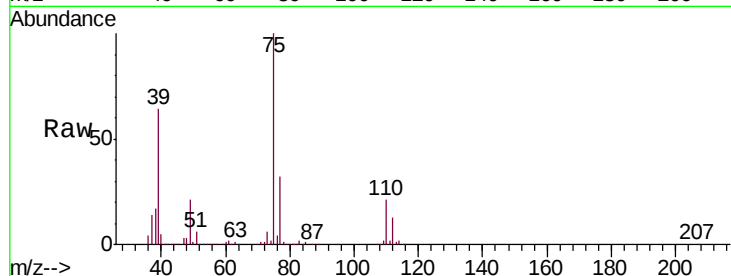
Acq: 17 Jun 2019 19:58

Tgt Ion: 75 Resp: 214028

Ion Ratio Lower Upper

75 100

77 31.6 22.0 41.0



#43

4-Methyl-2-pentanone

Concen: 51.118 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010837.D

Acq: 17 Jun 2019 19:58

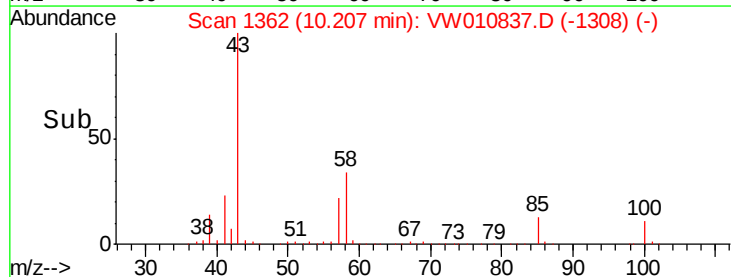
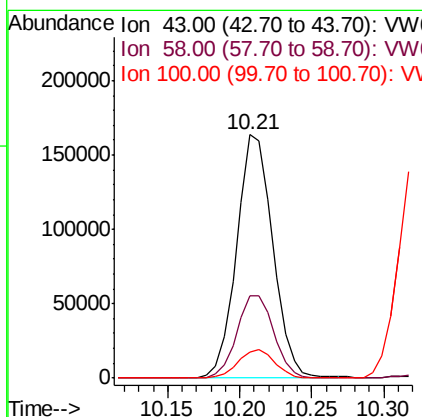
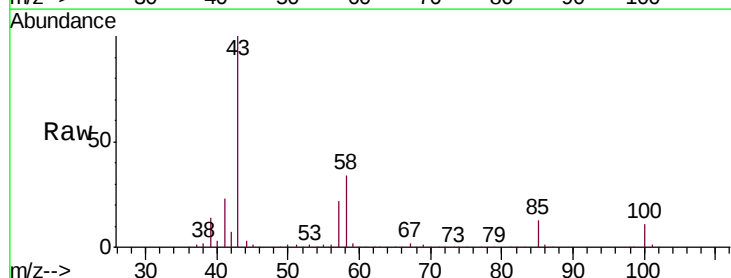
Tgt Ion: 43 Resp: 285708

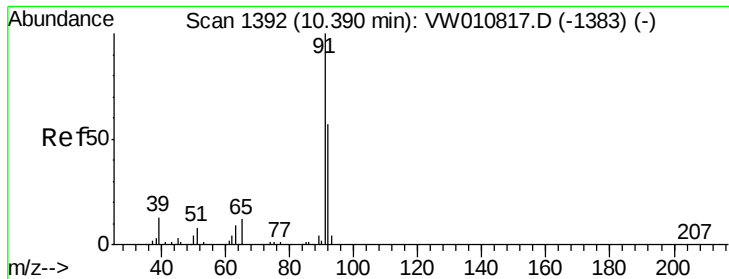
Ion Ratio Lower Upper

43 100

58 34.9 28.0 42.0

100 11.9 9.8 14.6





#44

Toluene

Concen: 23.364 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010837.D

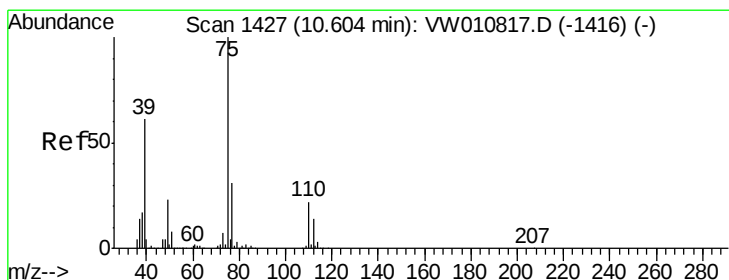
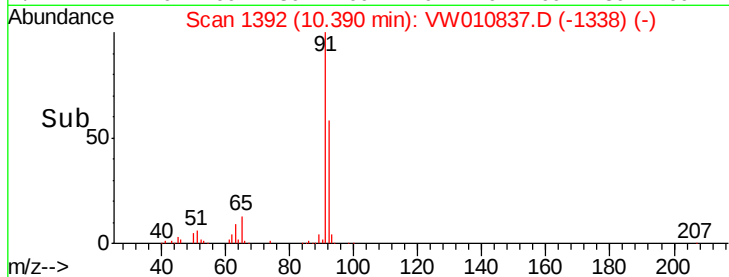
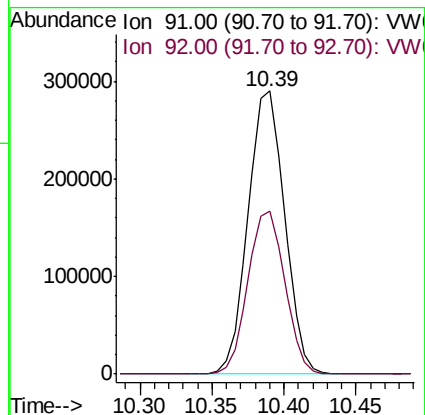
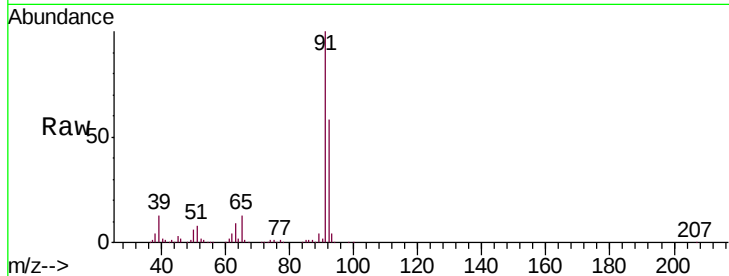
Acq: 17 Jun 2019 19:58

Tgt Ion: 91 Resp: 510703

Ion Ratio Lower Upper

91 100

92 57.8 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 24.819 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010837.D

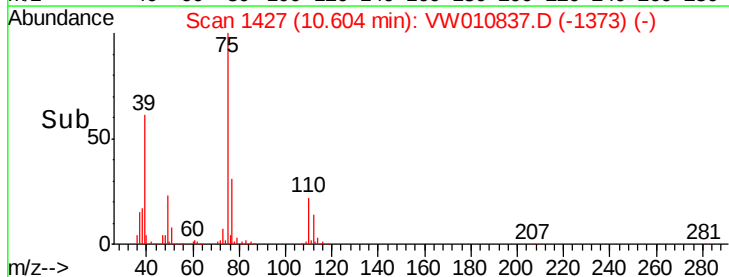
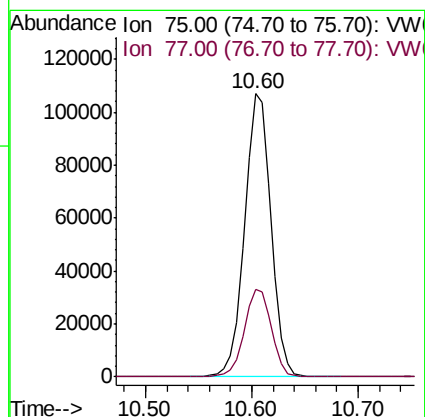
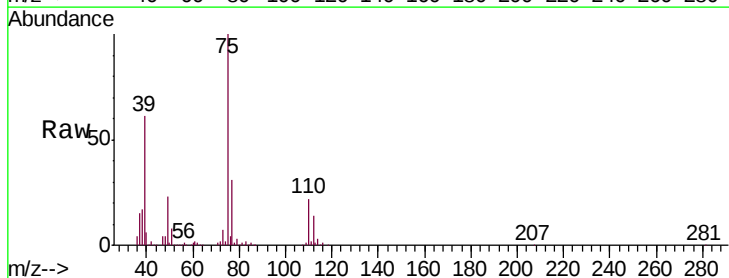
Acq: 17 Jun 2019 19:58

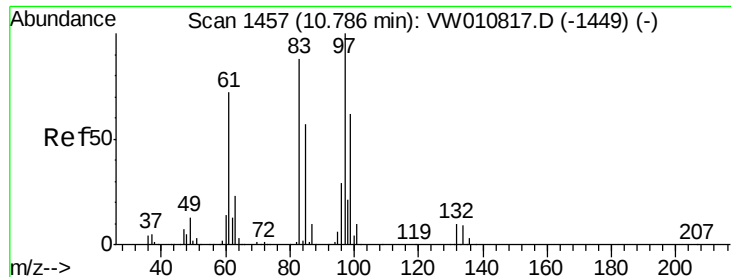
Tgt Ion: 75 Resp: 186097

Ion Ratio Lower Upper

75 100

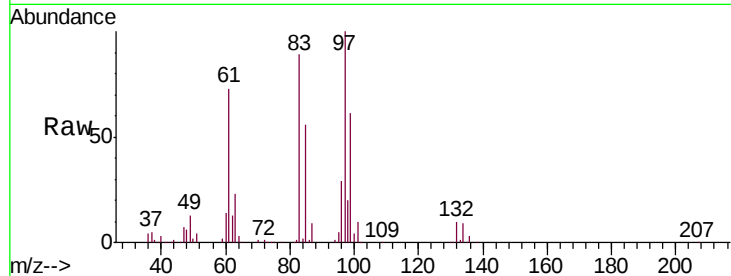
77 30.9 22.5 41.7





#46
1,1,2-Trichloroethane
Concen: 24.439 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW010837.D
Acq: 17 Jun 2019 19:58

Tgt Ion:	97	Resp:	101204
Ion	Ratio	Lower	Upper
97	100		
83	89.3	60.8	113.0
85	56.4	39.8	73.8
99	60.5	42.7	79.3



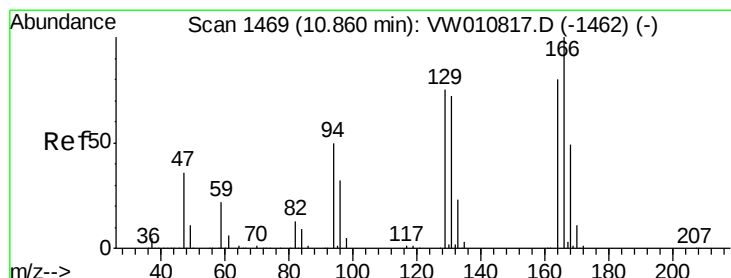
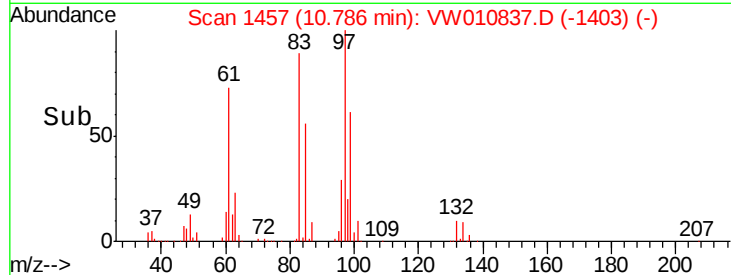
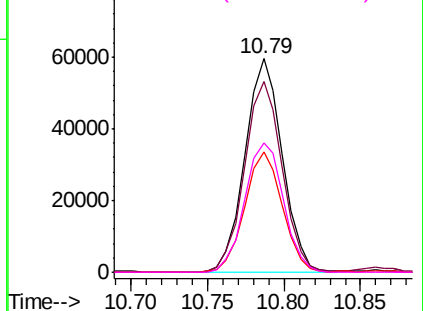
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

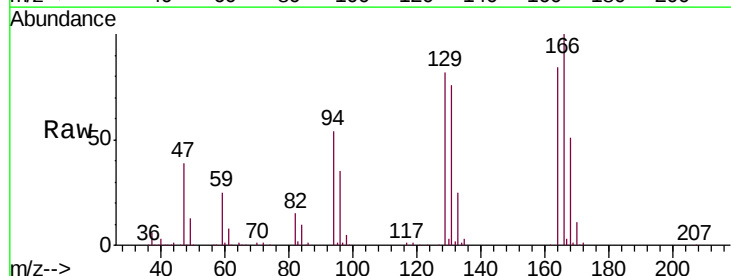
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
Tetrachloroethene
Concen: 22.342 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010837.D
Acq: 17 Jun 2019 19:58

Tgt Ion:	164	Resp:	89542
Ion	Ratio	Lower	Upper
164	100		
129	97.7	64.5	119.7
131	90.9	63.6	118.0
166	119.4	85.8	159.3



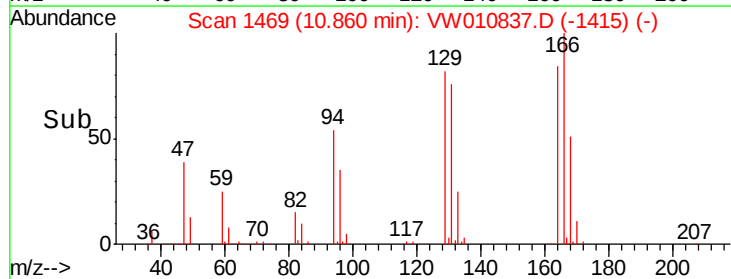
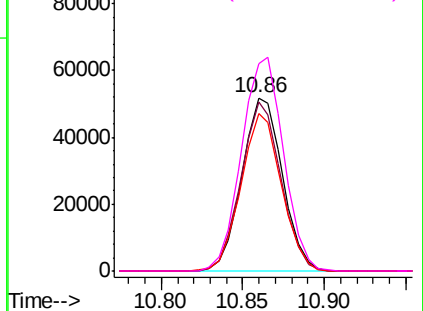
Abundance

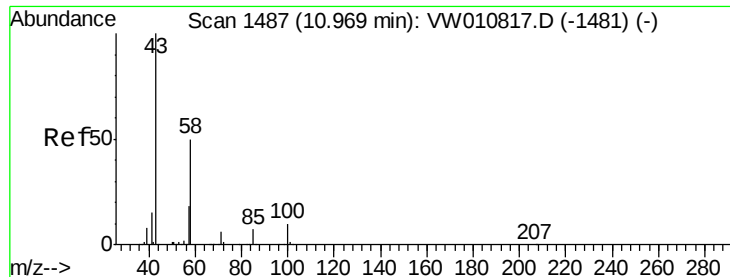
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

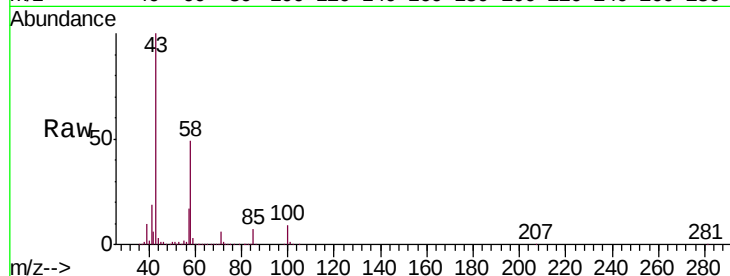
Ion 166.00 (165.70 to 166.70): V



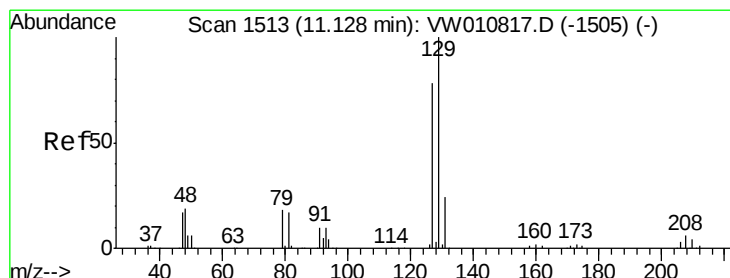
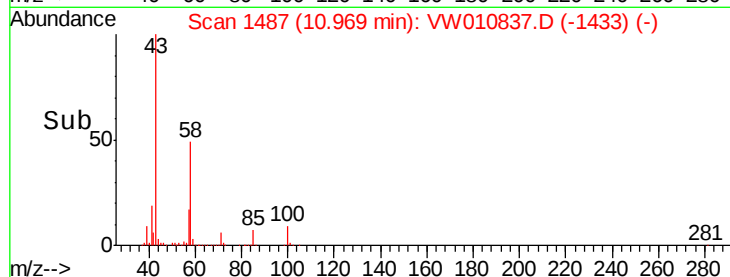
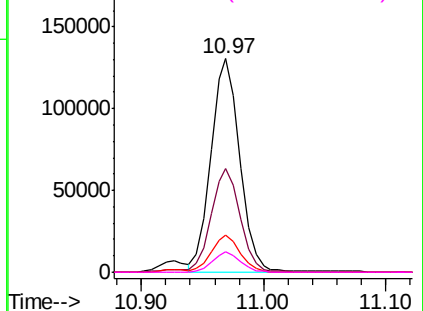


#49
2-Hexanone
Concen: 52.057 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010837.D
Acq: 17 Jun 2019 19:58

Tgt Ion:	43	Resp:	215679
Ion	Ratio	Lower	Upper
43	100		
58	48.1	39.5	59.3
57	17.0	13.8	20.8
100	9.2	7.6	11.4

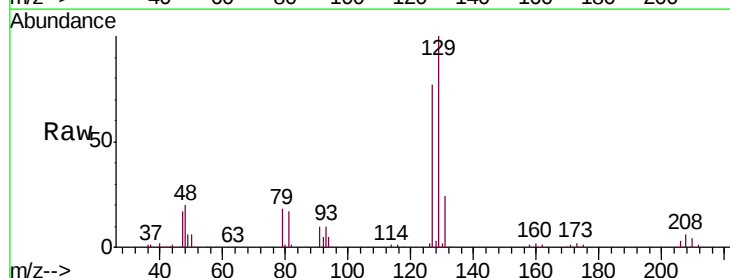


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

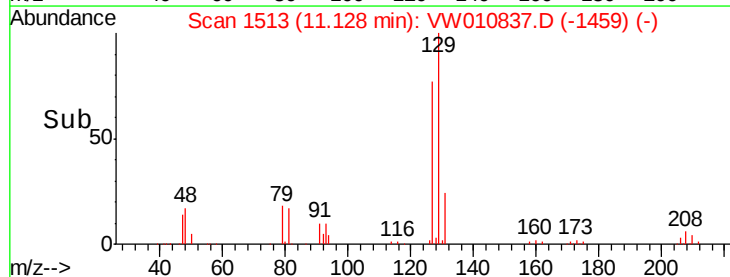
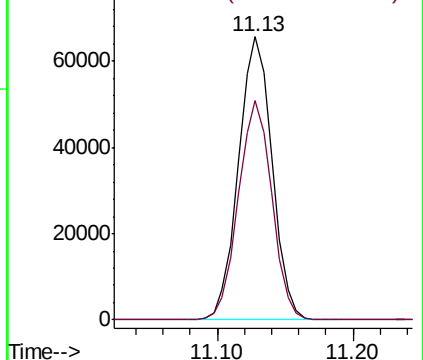


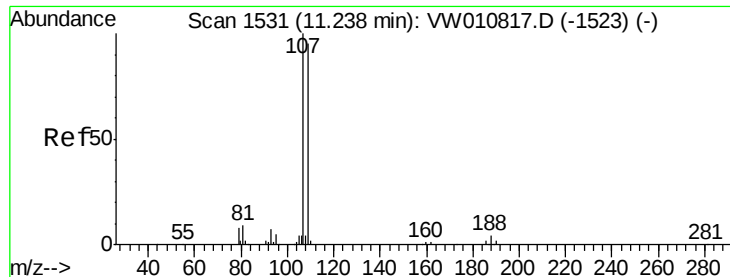
#50
Dibromochloromethane
Concen: 24.700 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010837.D
Acq: 17 Jun 2019 19:58

Tgt Ion:	129	Resp:	113356
Ion	Ratio	Lower	Upper
129	100		
127	77.3	53.1	98.7



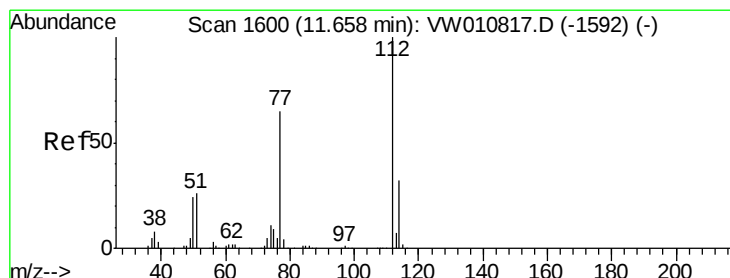
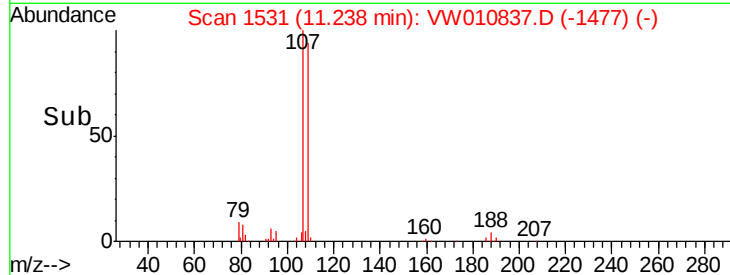
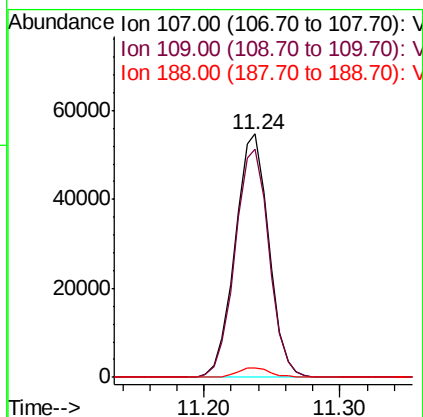
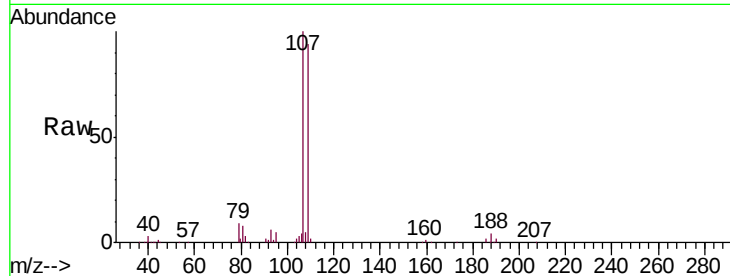
Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





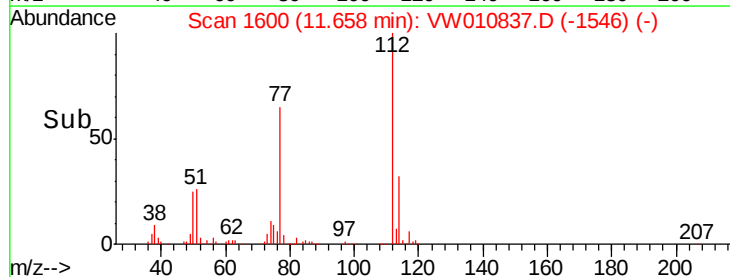
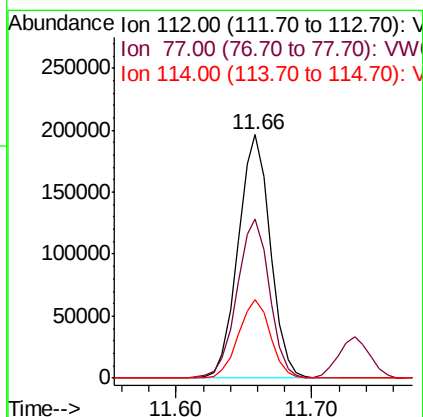
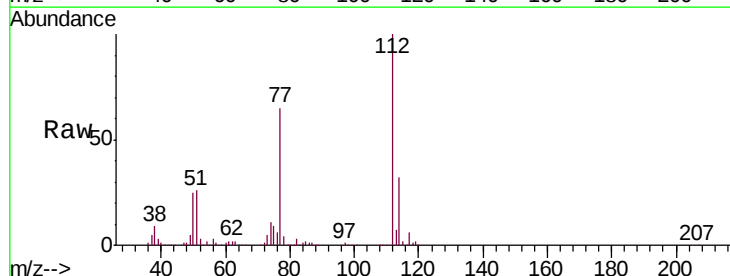
#51
 1,2-Dibromoethane
 Concen: 23.859 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010837.D
 Acq: 17 Jun 2019 19:58

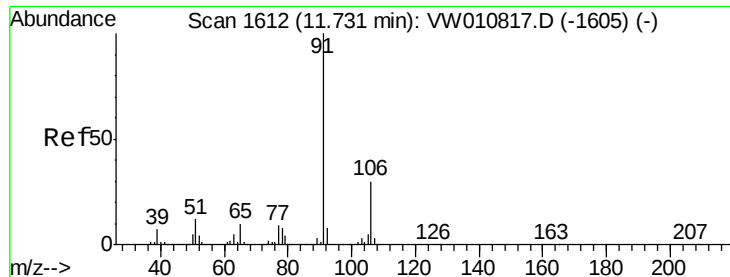
Tgt Ion:	107	Resp:	94603
Ion Ratio	Lower	Upper	
107	100		
109	93.6	66.0	122.6
188	3.7	3.1	4.7



#52
 Chlorobenzene
 Concen: 23.712 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW010837.D
 Acq: 17 Jun 2019 19:58

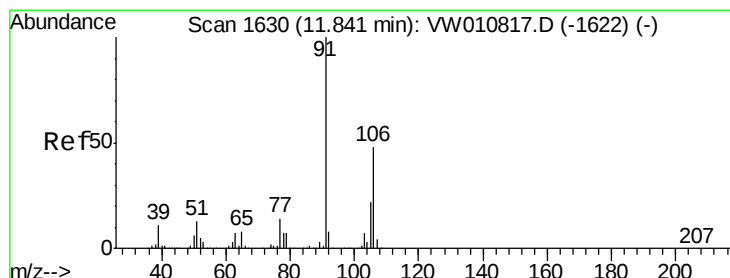
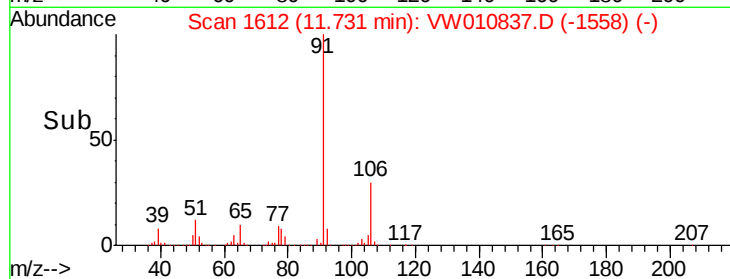
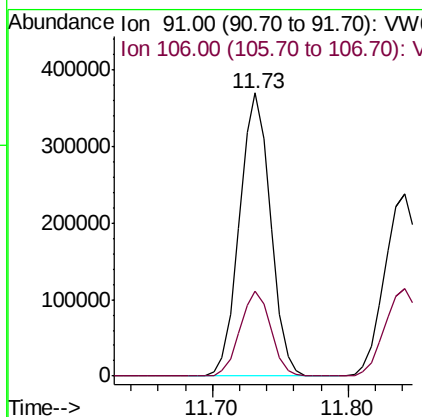
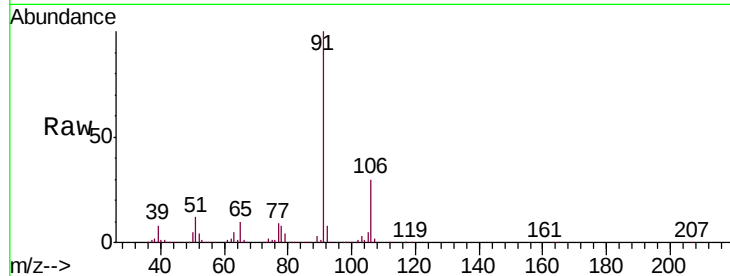
Tgt Ion:	112	Resp:	323144
Ion Ratio	Lower	Upper	
112	100		
77	65.1	51.8	77.8
114	32.4	22.1	41.1





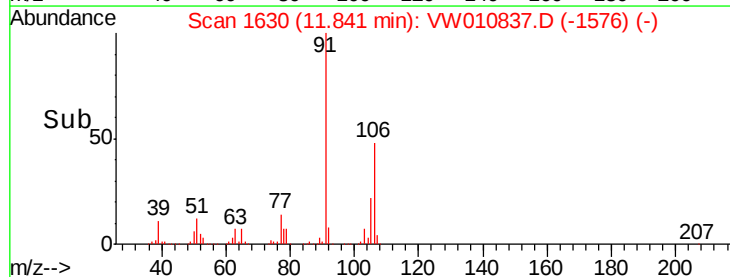
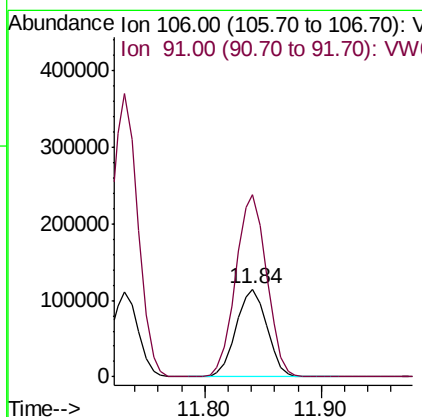
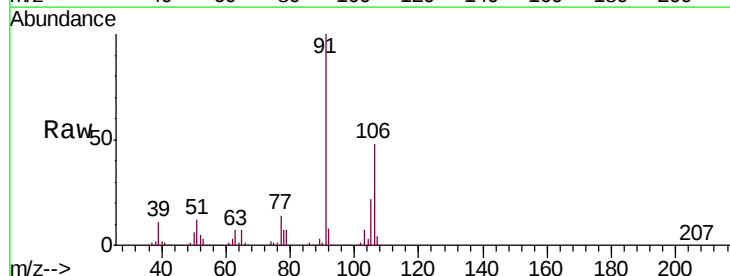
#53
Ethylbenzene
Concen: 23.551 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010837.D
Acq: 17 Jun 2019 19:58

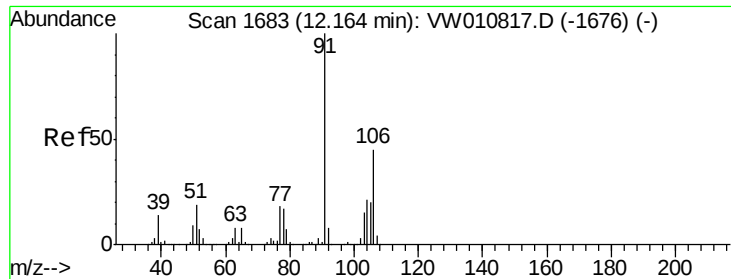
Tgt Ion: 91 Resp: 589169
Ion Ratio Lower Upper
91 100
106 30.1 21.1 39.3



#54
m,p-Xylene
Concen: 23.521 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010837.D
Acq: 17 Jun 2019 19:58

Tgt Ion: 106 Resp: 212037
Ion Ratio Lower Upper
106 100
91 207.3 148.7 276.1





#55

o-xylene

Concen: 23.768 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW010837.D

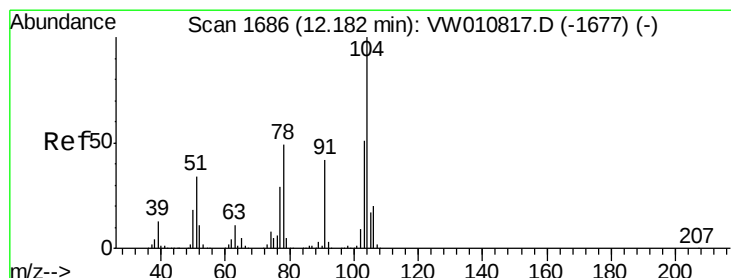
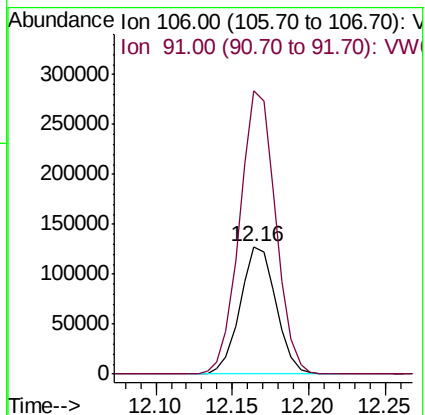
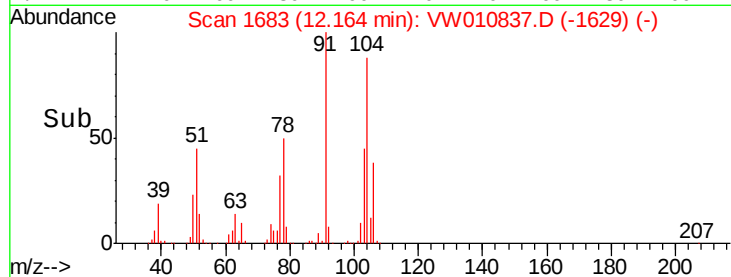
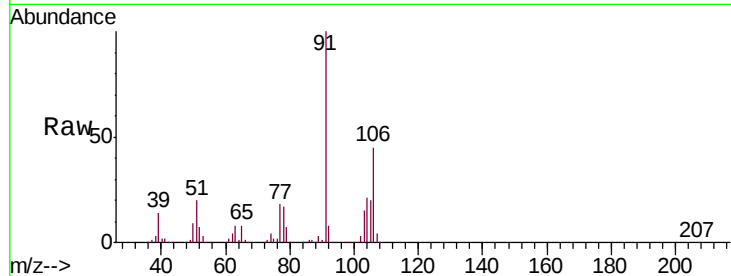
Acq: 17 Jun 2019 19:58

Tgt Ion:106 Resp: 207766

Ion Ratio Lower Upper

106 100

91 221.6 157.8 293.1



#56

Styrene

Concen: 24.089 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW010837.D

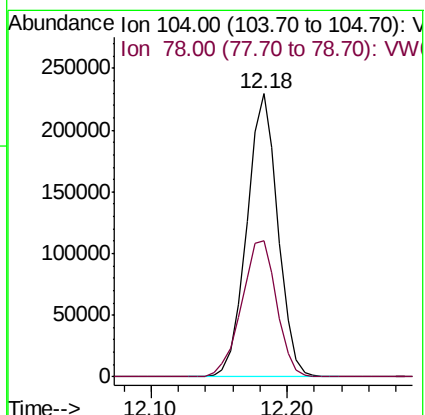
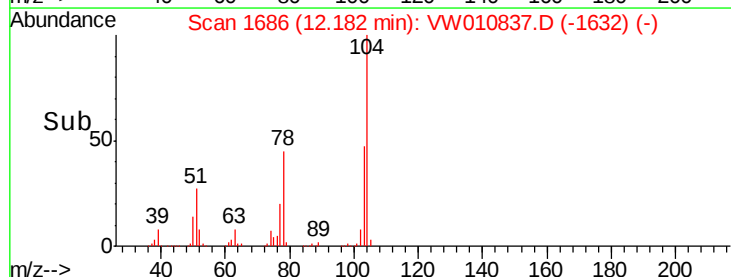
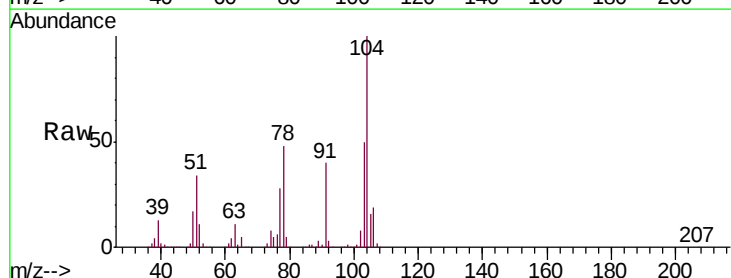
Acq: 17 Jun 2019 19:58

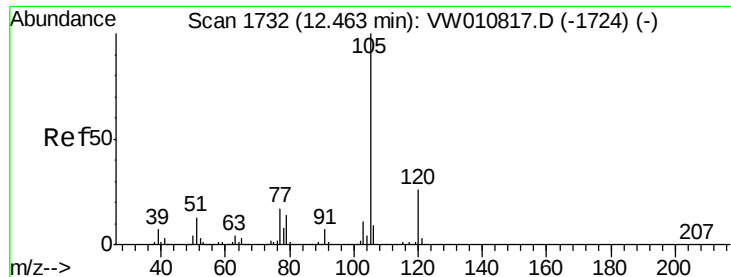
Tgt Ion:104 Resp: 366423

Ion Ratio Lower Upper

104 100

78 48.0 34.2 63.4





#57

Isopropylbenzene

Concen: 23.807 ug/L

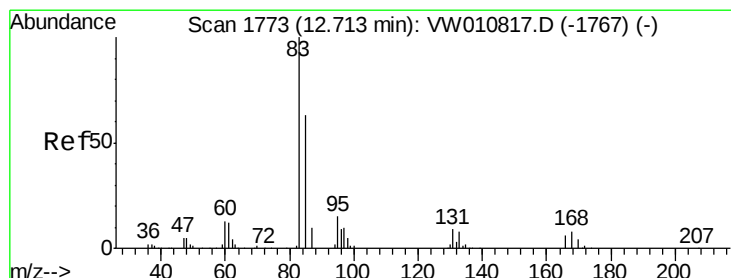
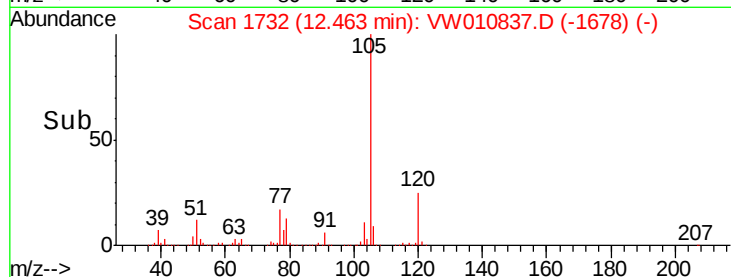
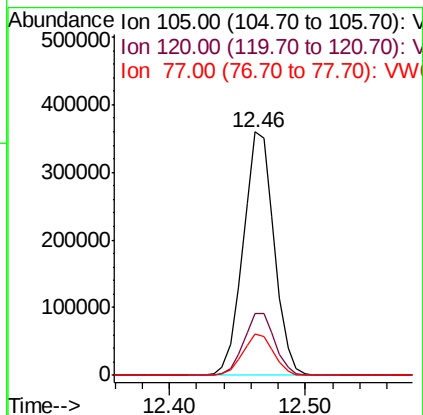
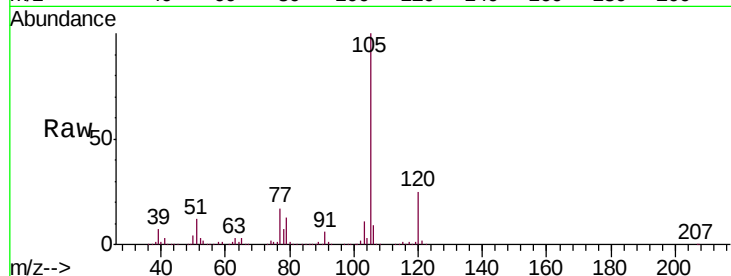
RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010837.D

Acq: 17 Jun 2019 19:58

Tgt Ion:	105	Resp:	569816
Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.5	30.7
77	17.0	13.6	20.4



#58

1,1,2,2-Tetrachloroethane

Concen: 25.371 ug/L

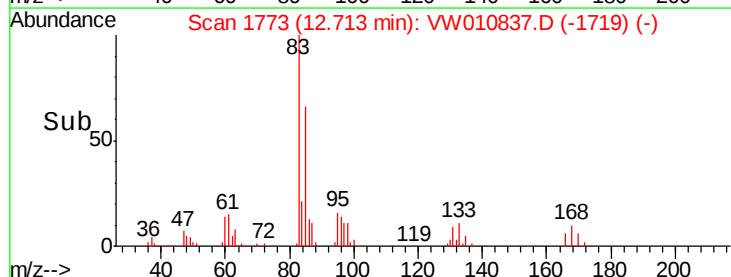
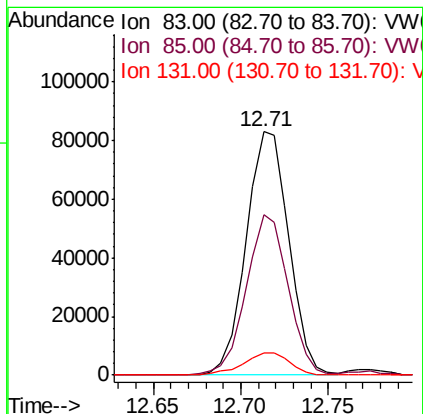
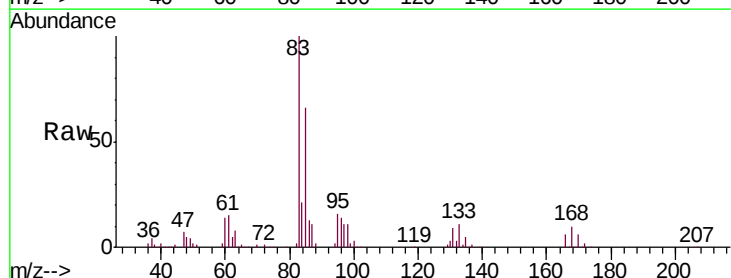
RT: 12.71 min Scan# 1773

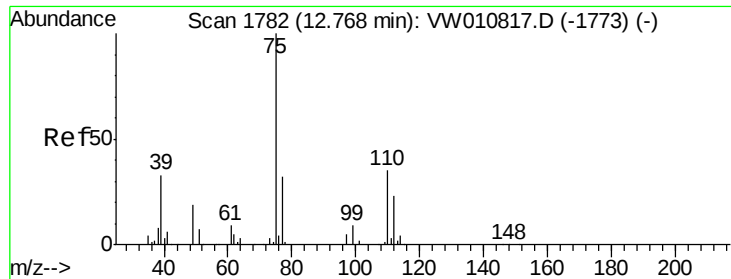
Delta R.T. 0.00 min

Lab File: VW010837.D

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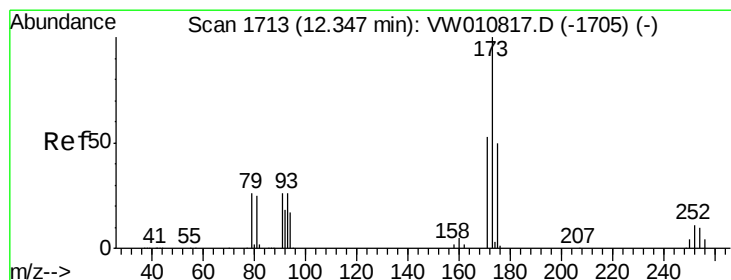
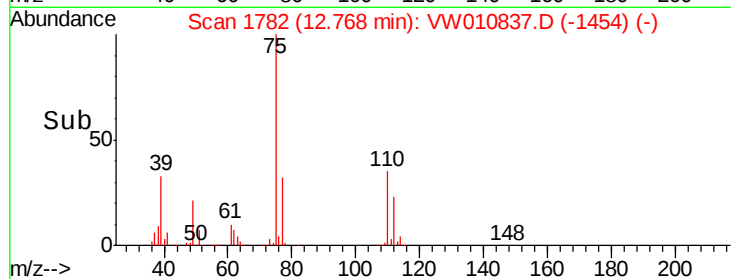
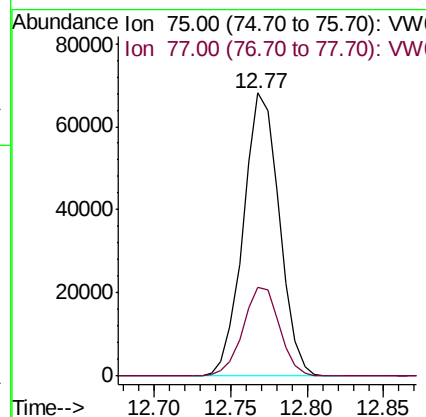
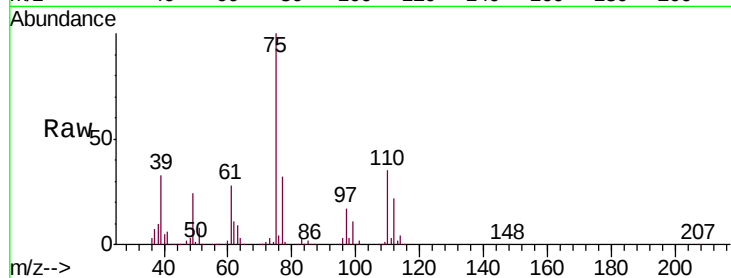
Tgt Ion:	83	Resp:	140767
Ion	Ratio	Lower	Upper
83	100		
85	66.0	44.0	81.6
131	9.3	7.0	10.6





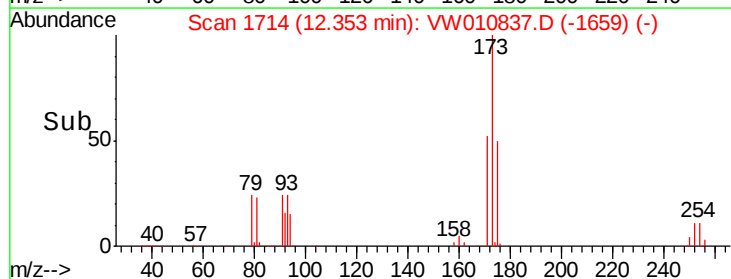
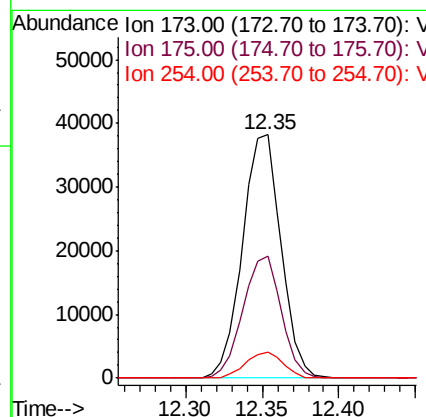
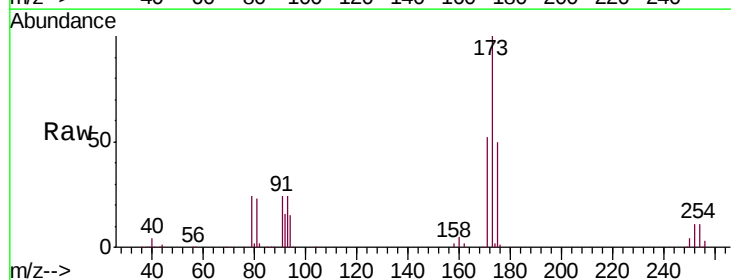
#59
 1,2,3-Trichloropropane
 Concen: 25.492 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW010837.D
 Acq: 17 Jun 2019 19:58

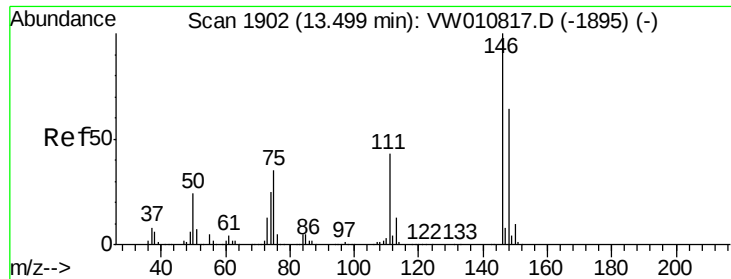
Tgt Ion: 75 Resp: 111813
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.6 38.4



#62
 Bromoform
 Concen: 24.319 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW010837.D
 Acq: 17 Jun 2019 19:58

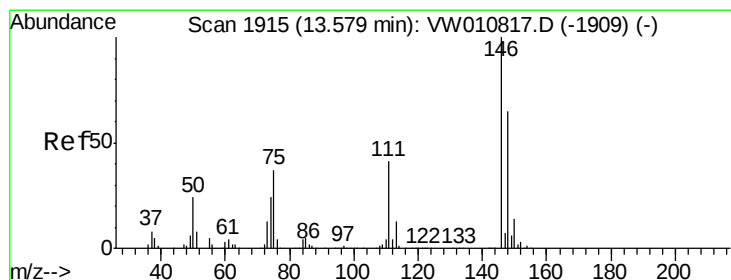
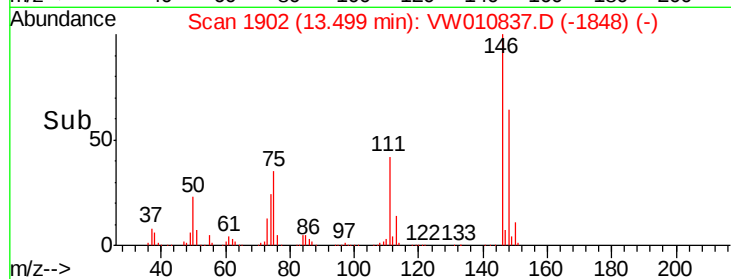
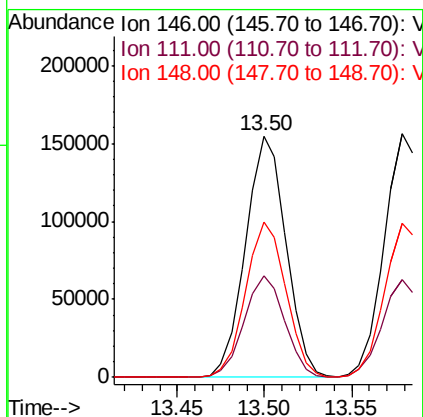
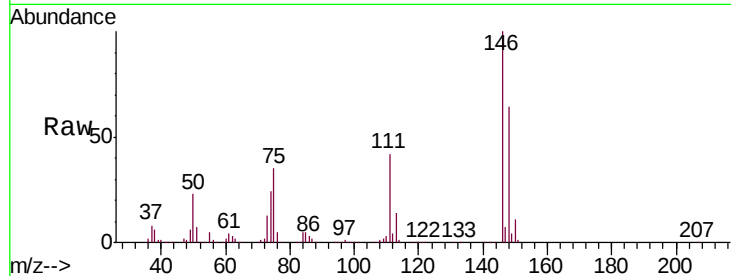
Tgt Ion: 173 Resp: 66915
 Ion Ratio Lower Upper
 173 100
 175 49.7 38.7 58.1
 254 10.3 8.6 13.0





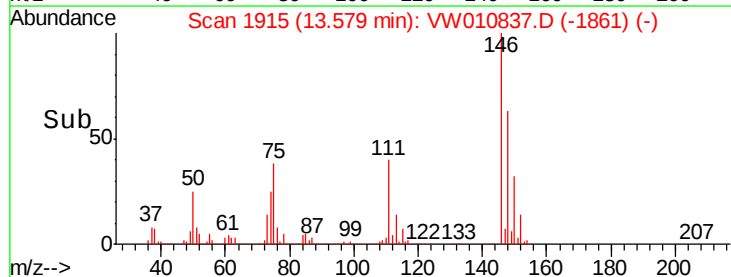
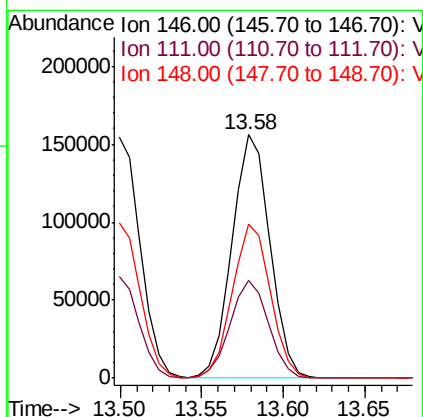
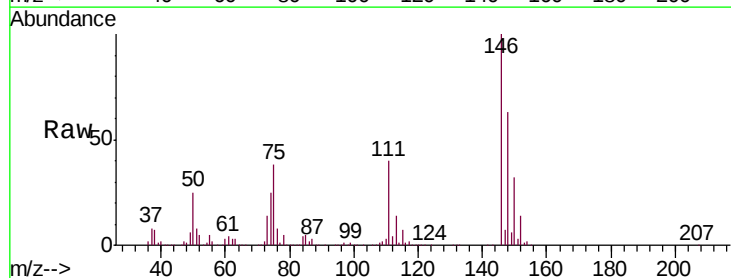
#63
 1,3-Dichlorobenzene
 Concen: 23.783 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010837.D
 Acq: 17 Jun 2019 19:58

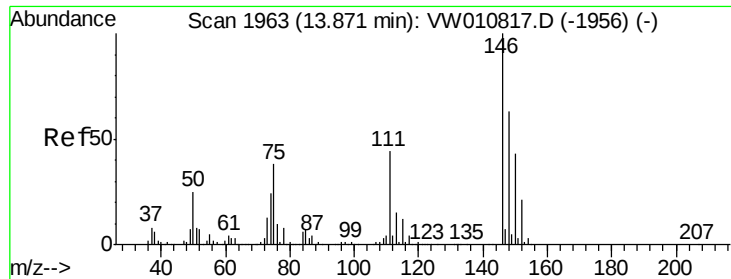
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	28.6	53.2
148	64.5	44.4	82.5



#64
 1,4-Dichlorobenzene
 Concen: 23.870 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010837.D
 Acq: 17 Jun 2019 19:58

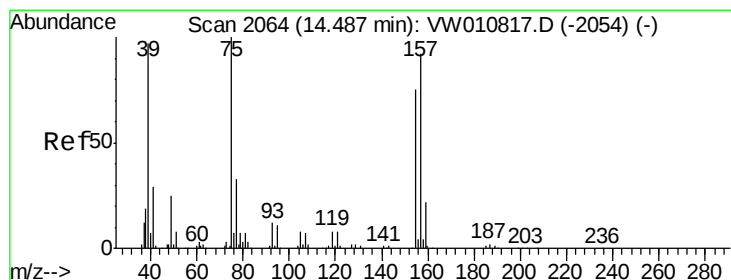
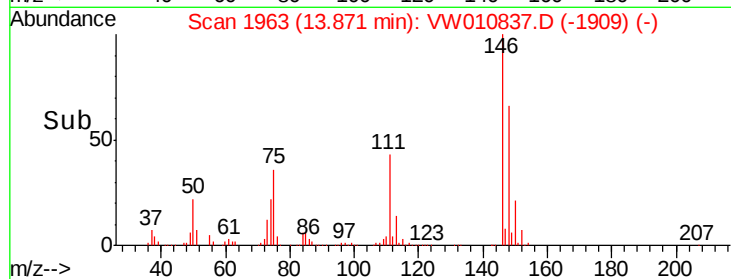
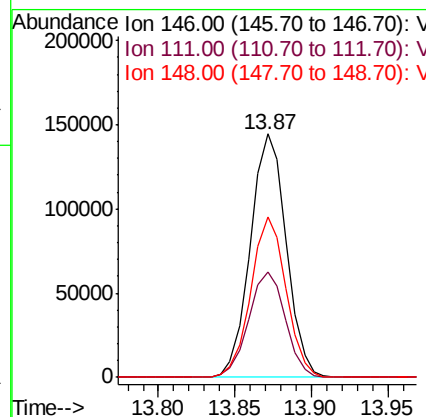
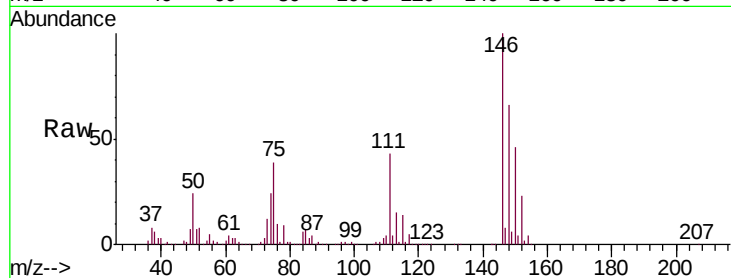
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	29.0	53.9
148	63.4	44.4	82.4





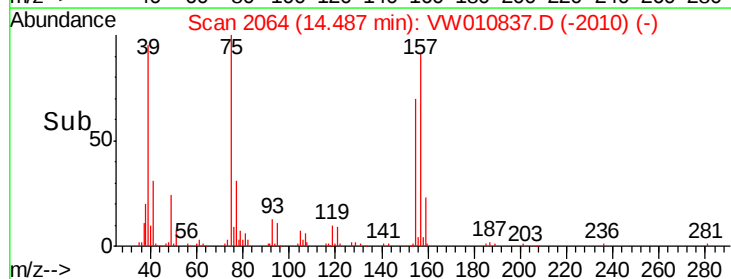
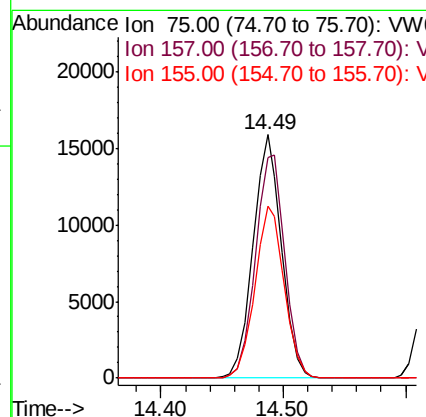
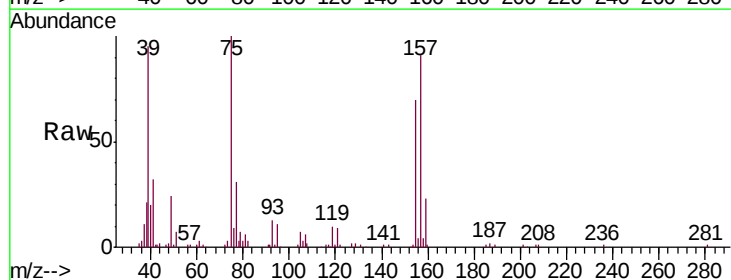
#65
 1,2-Dichlorobenzene
 Concen: 24.028 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010837.D
 Acq: 17 Jun 2019 19:58

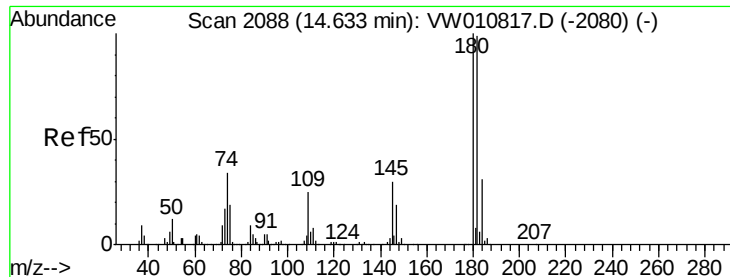
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	35.3	52.9
148	65.9	51.9	77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.822 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010837.D
 Acq: 17 Jun 2019 19:58

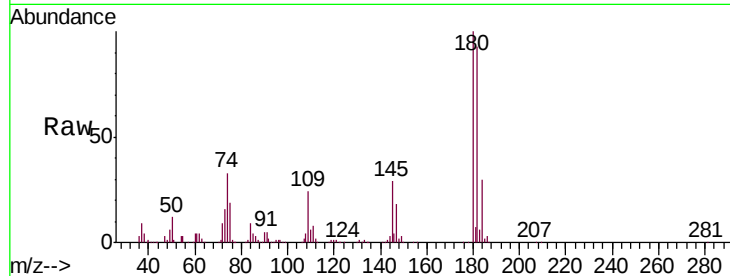
Tgt Ion	Ratio	Lower	Upper
75	100		
157	90.7	79.1	118.7
155	70.5	62.0	93.0



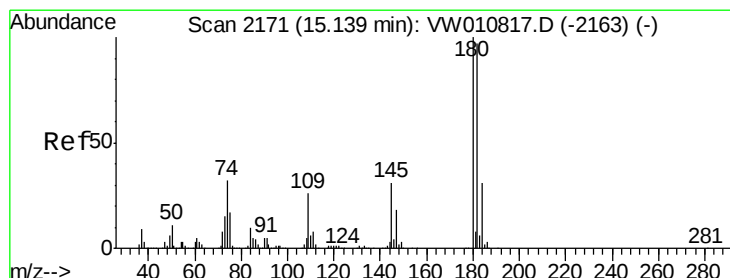
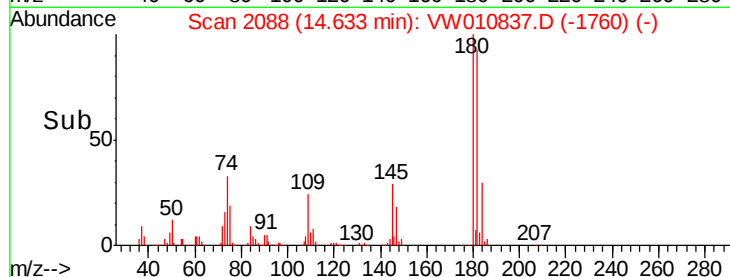
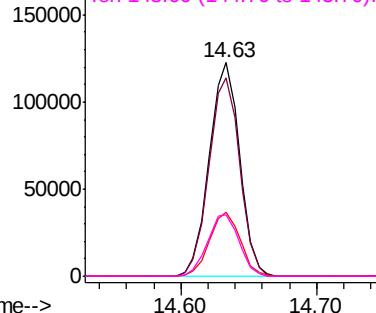


#67
 1,3,5-Trichlorobenzene
 Concen: 24.067 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010837.D
 Acq: 17 Jun 2019 19:58

Tgt Ion:	180	Resp:	191212
Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.5	114.7
184	30.1	24.6	37.0
145	29.9	24.1	36.1

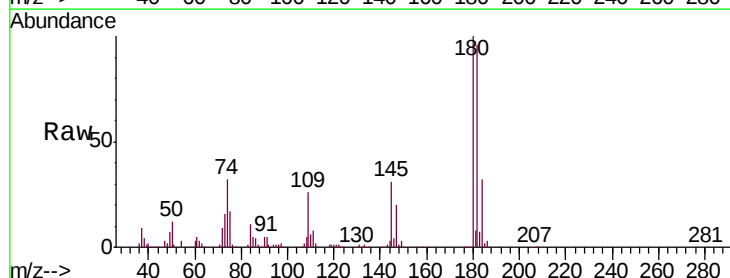


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

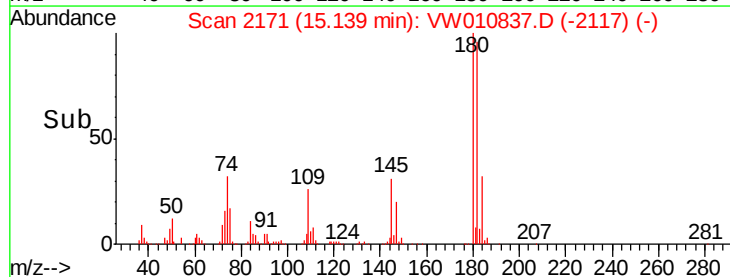
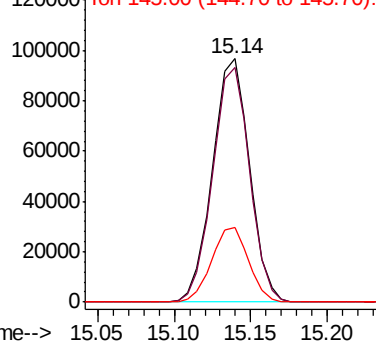


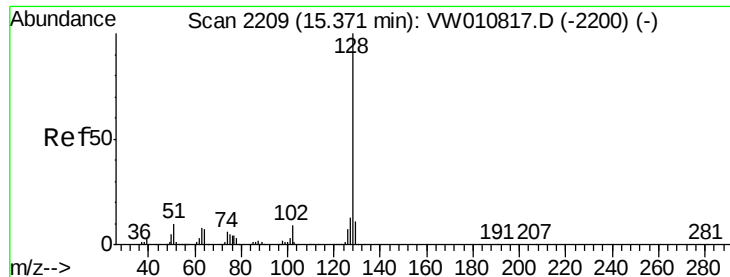
#68
 1,2,4-trichlorobenzene
 Concen: 24.602 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010837.D
 Acq: 17 Jun 2019 19:58

Tgt Ion:	180	Resp:	163118
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.4	114.6
145	30.6	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: 26.535 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010837.D

Acq: 17 Jun 2019 19:58

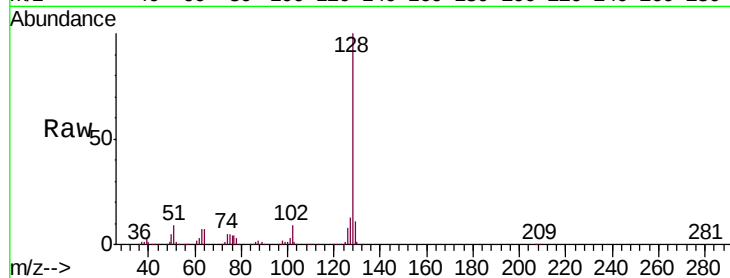
Tgt Ion:128 Resp: 371969

Ion Ratio Lower Upper

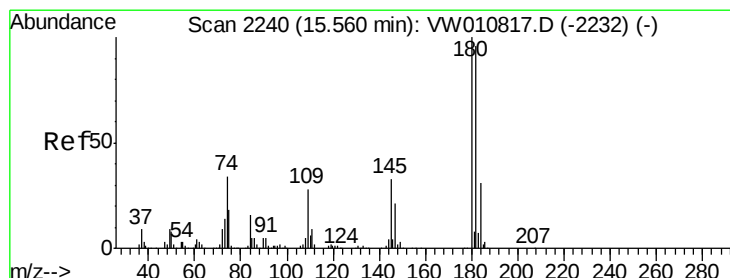
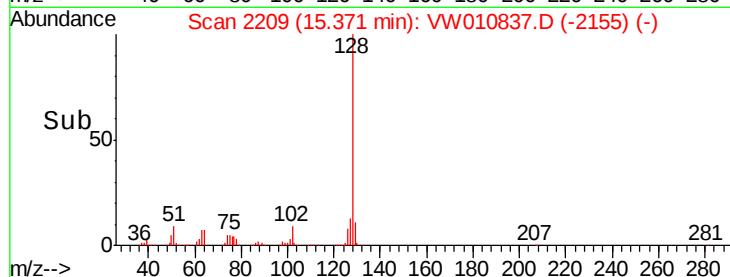
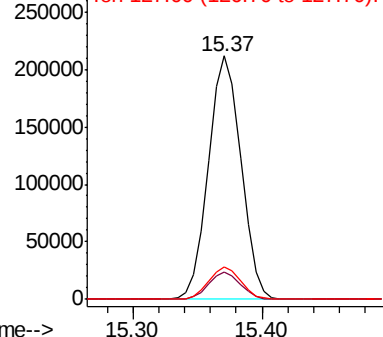
128 100

129 10.8 8.6 13.0

127 13.1 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: 25.038 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010837.D

Acq: 17 Jun 2019 19:58

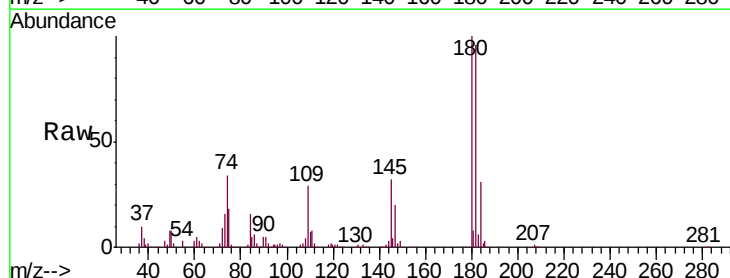
Tgt Ion:180 Resp: 148738

Ion Ratio Lower Upper

180 100

182 96.4 76.6 115.0

145 32.2 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

