

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052418\
 Data File : VW002855.D
 Acq On : 24 May 2018 18:51
 Operator : JC/SY
 Sample : VSTDCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 25 07:58:49 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 25 07:55:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	292431	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	281885	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	149917	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	77327	20.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.48%
7) Chloroethane-d5	2.89	69	69633	20.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.04%
10) 1,1-Dichloroethene-d2	4.01	63	135057	20.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.24%
20) 2-Butanone-d5	7.09	46	79212	51.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.56%
24) Chloroform-d	7.65	84	163609	23.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.36%
26) 1,2-Dichloroethane-d4	8.31	65	98722	23.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.28%
29) Benzene-d6	8.27	84	289665	21.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.44%
33) 1,2-Dichloropropane-d6	9.28	67	95321	22.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.00%
37) Toluene-d8	10.33	98	283966	21.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.84%
38) trans-1,3-Dichloropropene-	10.59	79	44676	21.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.24%
39) 2-Hexanone-d5	10.93	63	66386	54.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.00%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	119067	25.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.28%
61) 1,2-Dichlorobenzene-d4	13.87	152	123318	22.38	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.52%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	64512	36.97	ug/L	97
3) Chloromethane	2.21	50	85458	28.31	ug/L	99
5) Vinyl chloride	2.36	62	131942	25.70	ug/L	95
6) Bromomethane	2.77	94	85696	24.38	ug/L	100
8) Chloroethane	2.92	64	77268	23.65	ug/L	98
9) Trichlorofluoromethane	3.24	101	38251	17.22	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.04	101	83884	23.59	ug/L #	50
12) 1,1-Dichloroethene	4.02	96	81553	23.26	ug/L	99
13) Acetone	4.12	43	56526	41.77	ug/L	99
14) Carbon disulfide	4.37	76	246719	22.84	ug/L	99
15) Methyl Acetate	4.67	43	63820	25.90	ug/L	99
16) Methylene chloride	4.91	84	87262	23.09	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	152374	23.56	ug/L	99
18) trans-1,2-Dichloroethene	5.41	96	85468	23.28	ug/L	98
19) 1,1-Dichloroethane	6.21	63	155368	24.13	ug/L	98
21) 2-Butanone	7.18	43	91621	51.15	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	96486	24.01	ug/L	97

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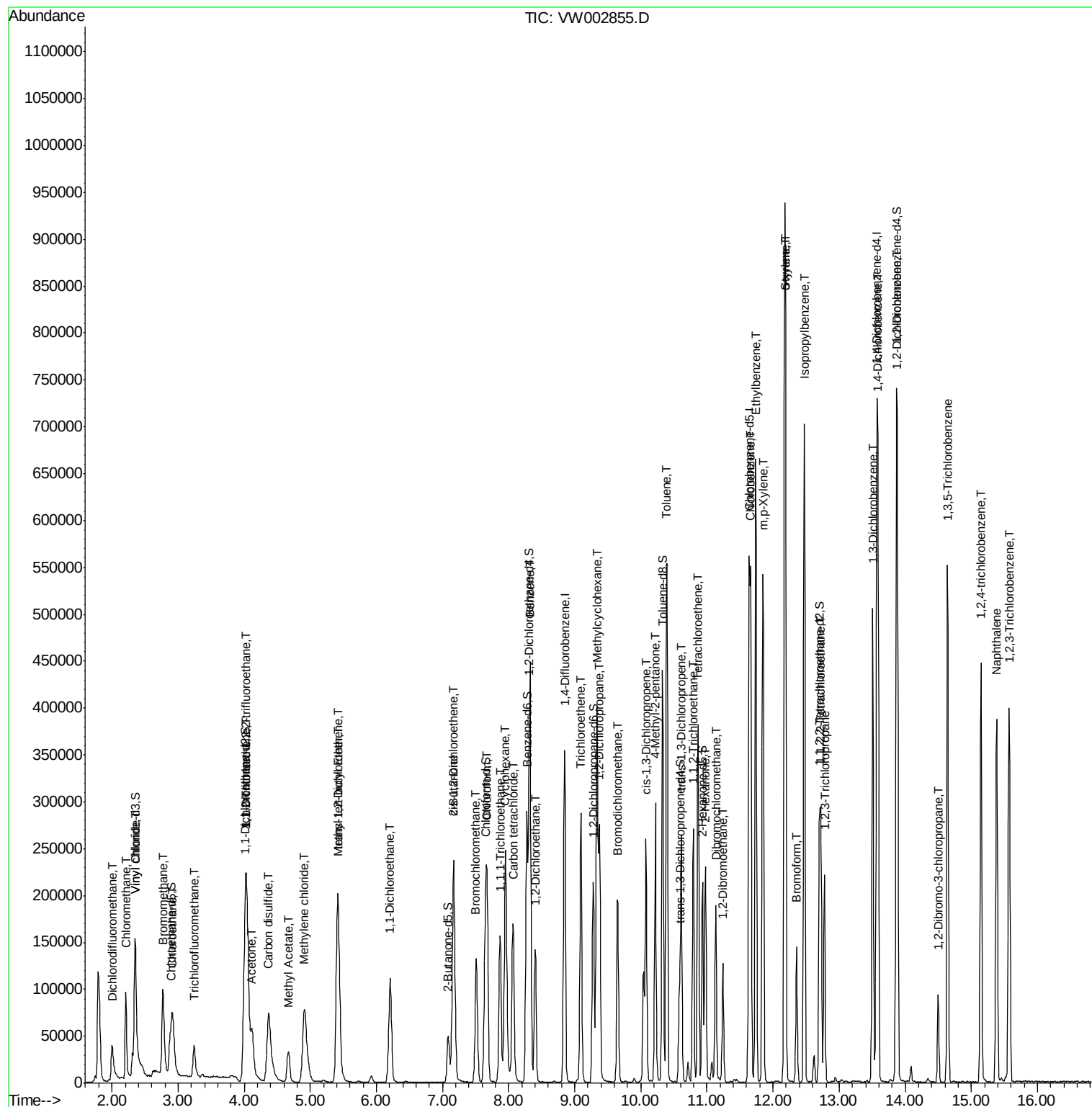
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

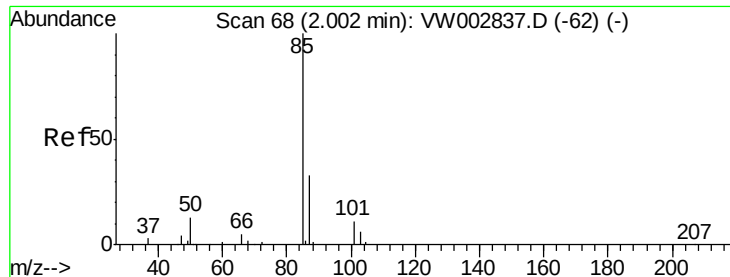
23) Bromochloromethane	7.51	128	47025	24.02	ug/L	98
25) Chloroform	7.67	83	168789	24.25	ug/L	99
27) 1,2-Dichloroethane	8.40	62	126266	24.90	ug/L	99
30) Cyclohexane	7.95	56	140517	23.56	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	123390	22.62	ug/L	98
32) Carbon tetrachloride	8.07	117	126025	23.07	ug/L	98
34) Benzene	8.32	78	363660	23.78	ug/L	100
35) Trichloroethene	9.09	95	96699	23.13	ug/L	98
36) Methylcyclohexane	9.34	83	162168	23.48	ug/L	98
40) 1,2-Dichloropropane	9.37	63	95239	24.02	ug/L	100
41) Bromodichloromethane	9.65	83	125447	24.27	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	142103	23.30	ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	186540	52.27	ug/L	98
44) Toluene	10.39	91	398365	23.89	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	132146	23.77	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	80442	24.49	ug/L	97
47) Tetrachloroethene	10.87	164	83976	23.22	ug/L	99
49) 2-Hexanone	10.98	43	140263	53.24	ug/L	97
50) Dibromochloromethane	11.13	129	96199	24.26	ug/L	97
51) 1,2-Dibromoethane	11.24	107	80697	24.18	ug/L	100
52) Chlorobenzene	11.66	112	261086	23.62	ug/L	99
53) Ethylbenzene	11.74	91	445813	23.79	ug/L	100
54) m,p-Xylene	11.85	106	171074	23.98	ug/L	98
55) o-xylene	12.18	106	161020	23.76	ug/L	97
56) Styrene	12.19	104	287817	24.24	ug/L	100
57) Isopropylbenzene	12.48	105	441650	23.87	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.73	83	114378	24.72	ug/L	98
59) 1,2,3-Trichloropropane	12.78	75	88449	25.41	ug/L	100
62) Bromoform	12.35	173	64879	24.68	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	209024	23.39	ug/L	98
64) 1,4-Dichlorobenzene	13.59	146	221140	23.61	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	207563	23.91	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	21707	25.43	ug/L	96
67) 1,3,5-Trichlorobenzene	14.64	180	168907	23.48	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	141097	23.33	ug/L	97
69) Naphthalene	15.38	128	321843	26.30	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	140225	24.69	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 36.97 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW002855.D

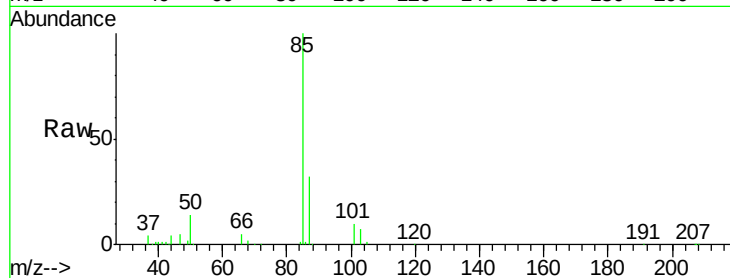
Acq: 24 May 2018 18:51

Tgt Ion: 85 Resp: 64512

Ion Ratio Lower Upper

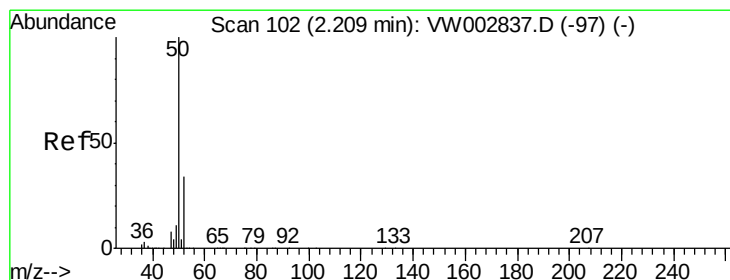
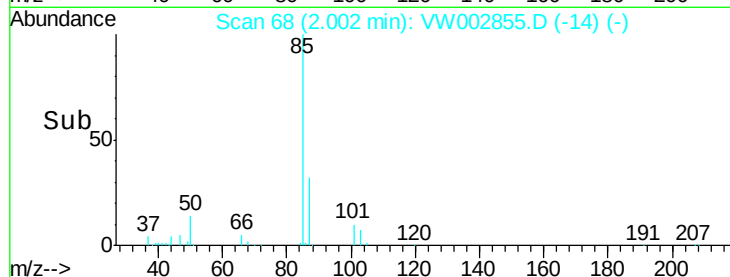
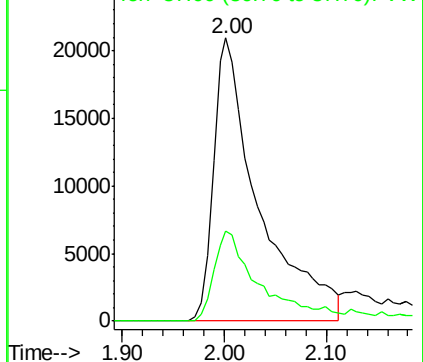
85 100

87 30.4 20.3 37.7



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 28.31 ug/L

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW002855.D

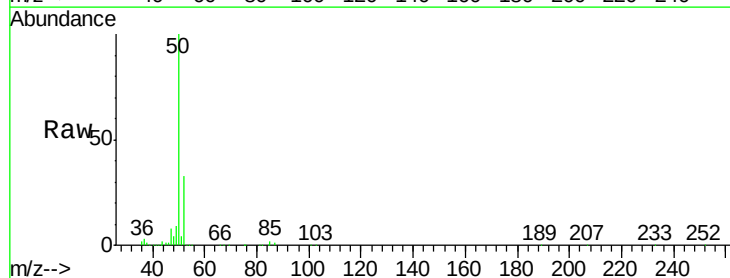
Acq: 24 May 2018 18:51

Tgt Ion: 50 Resp: 85458

Ion Ratio Lower Upper

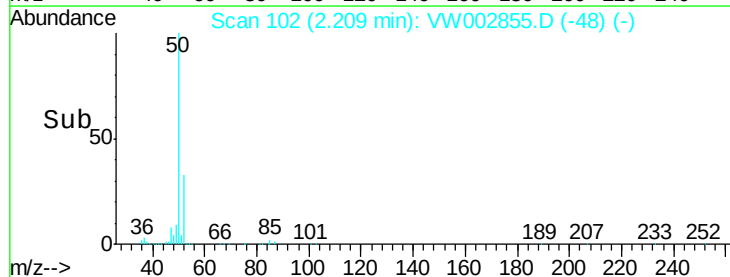
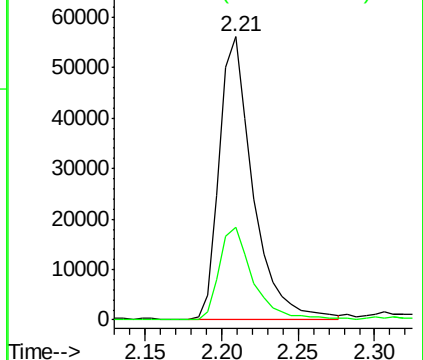
50 100

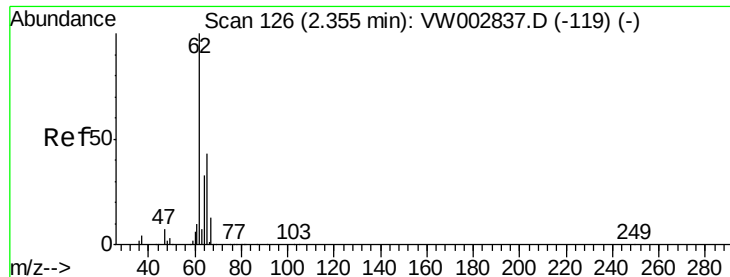
52 32.8 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.70 ug/L

RT: 2.36 min Scan# 126

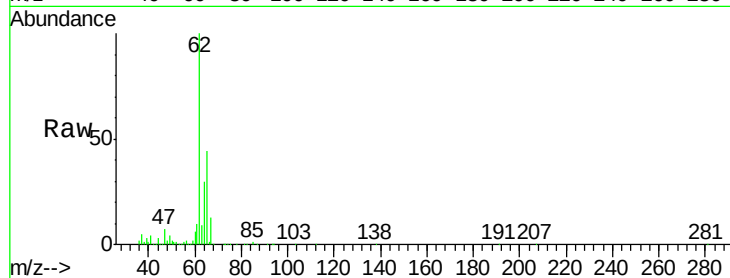
Delta R.T. -0.00 min

Lab File: VW002855.D

Acq: 24 May 2018 18:51

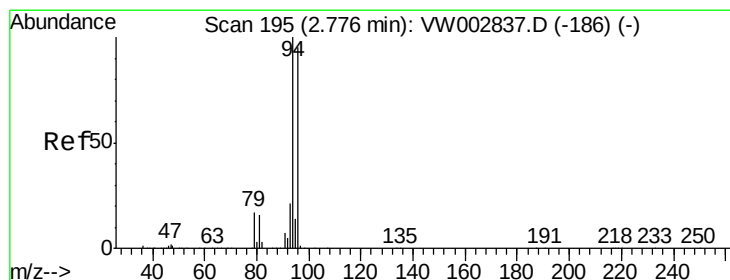
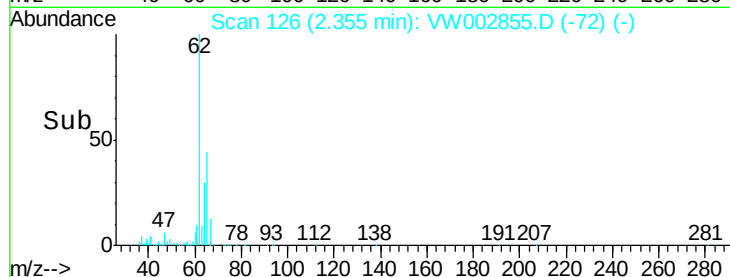
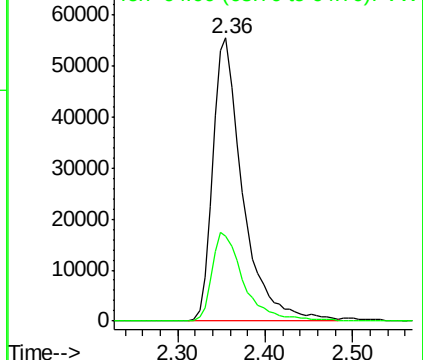
Tgt Ion: 62 Resp: 131942

Ion	Ratio	Lower	Upper
62	100		
64	30.2	23.2	43.2



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 24.38 ug/L

RT: 2.77 min Scan# 194

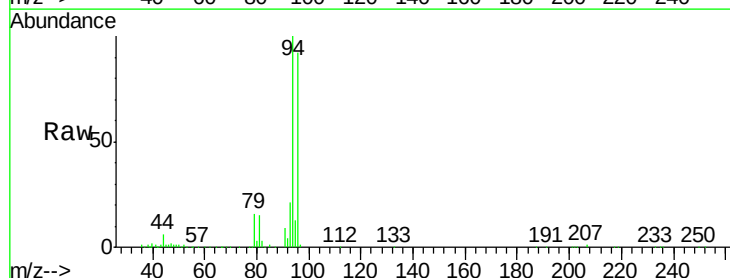
Delta R.T. -0.01 min

Lab File: VW002855.D

Acq: 24 May 2018 18:51

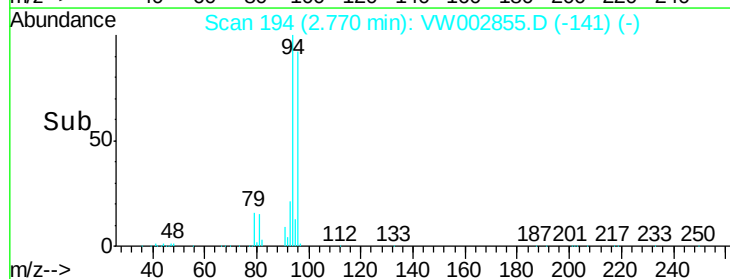
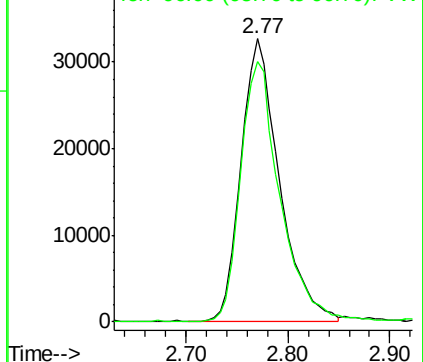
Tgt Ion: 94 Resp: 85696

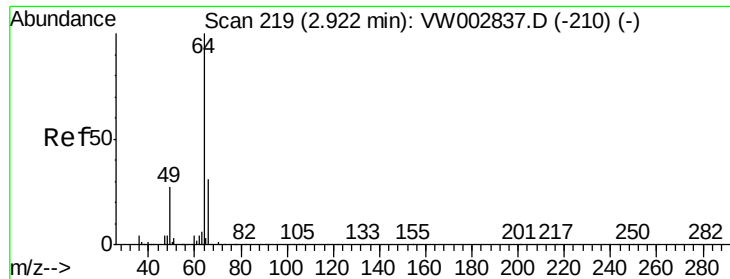
Ion	Ratio	Lower	Upper
94	100		
96	94.5	9.4	178.6



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 23.65 ug/L

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW002855.D

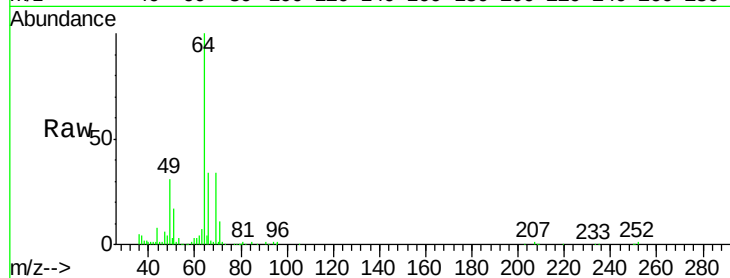
Acq: 24 May 2018 18:51

Tgt Ion: 64 Resp: 77268

Ion Ratio Lower Upper

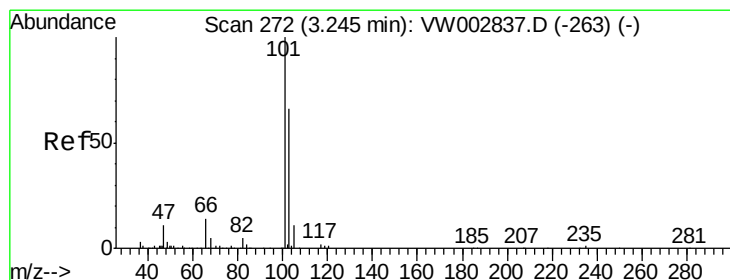
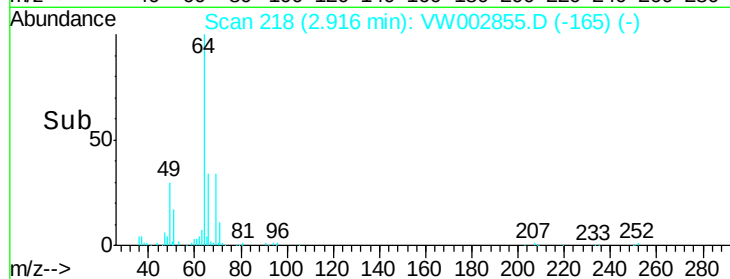
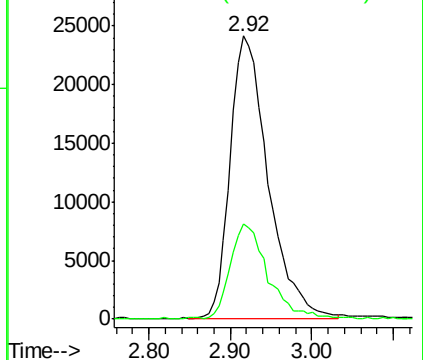
64 100

66 33.5 22.7 42.1



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 17.22 ug/L

RT: 3.24 min Scan# 271

Delta R.T. -0.01 min

Lab File: VW002855.D

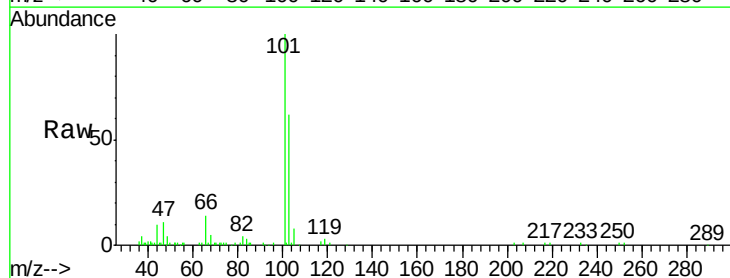
Acq: 24 May 2018 18:51

Tgt Ion: 101 Resp: 38251

Ion Ratio Lower Upper

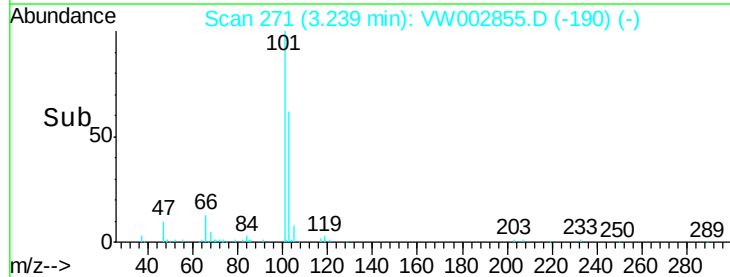
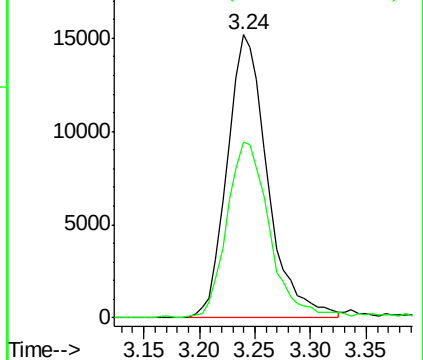
101 100

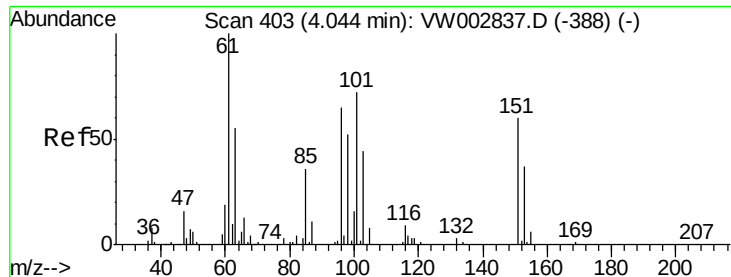
103 64.1 45.4 84.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 23.59 ug/L

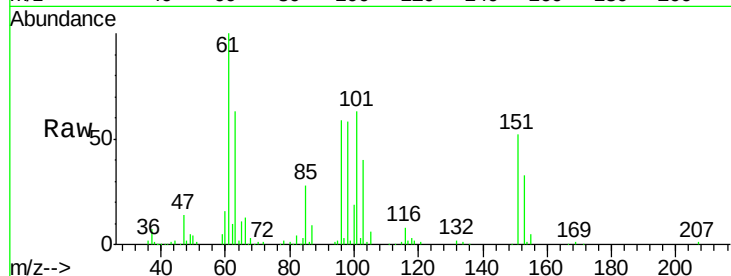
RT: 4.04 min Scan# 402

Delta R.T. -0.01 min

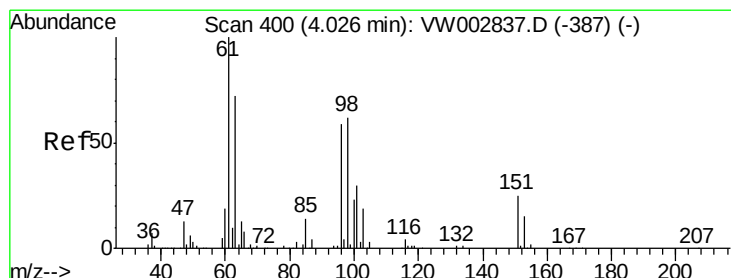
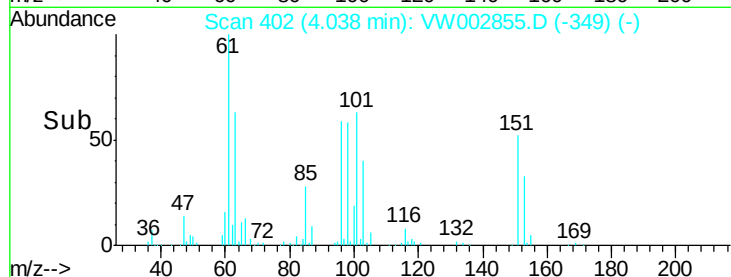
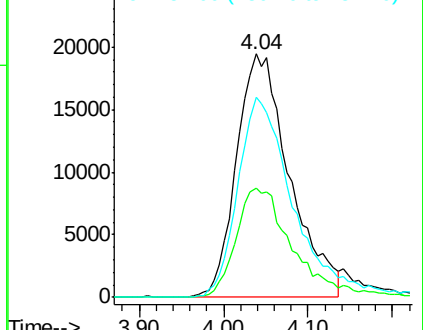
Lab File: VW002855.D

Acq: 24 May 2018 18:51

Tgt Ion:	101	Resp:	83884
Ion	Ratio	Lower	Upper
101	100		
85	21.9	34.8	52.2#
151	85.4	34.2	51.4#



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: 23.26 ug/L

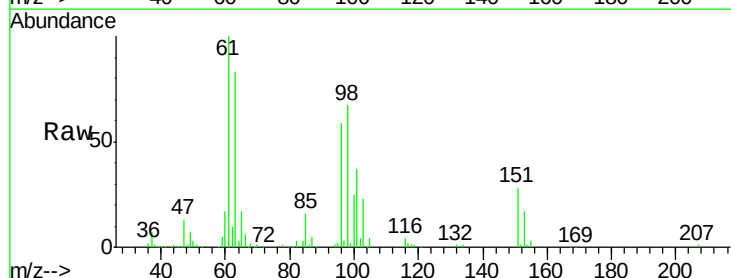
RT: 4.02 min Scan# 399

Delta R.T. -0.01 min

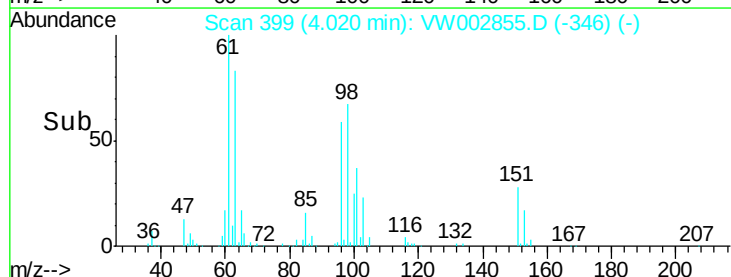
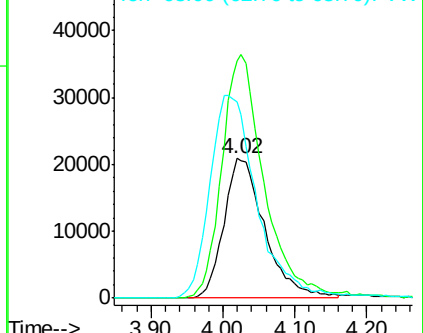
Lab File: VW002855.D

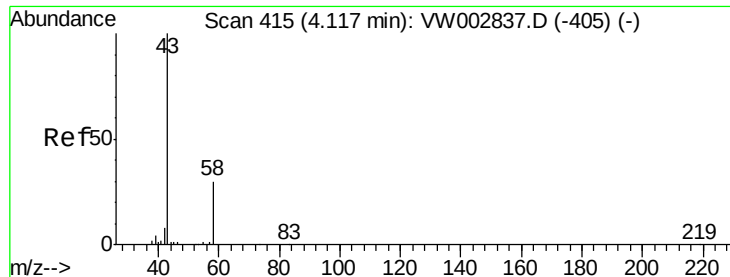
Acq: 24 May 2018 18:51

Tgt Ion:	96	Resp:	81553
Ion	Ratio	Lower	Upper
96	100		
61	170.0	118.9	220.9
63	140.9	100.4	186.4



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: 41.77 ug/L

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW002855.D

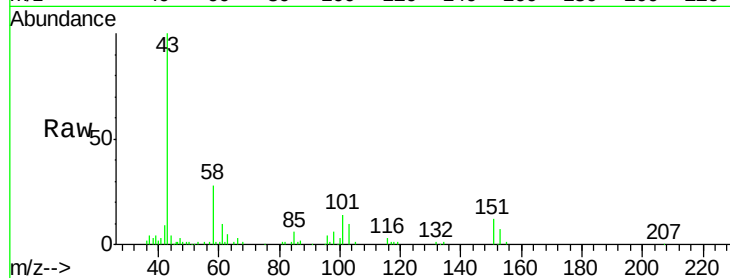
Acq: 24 May 2018 18:51

Tgt Ion: 43 Resp: 56526

Ion Ratio Lower Upper

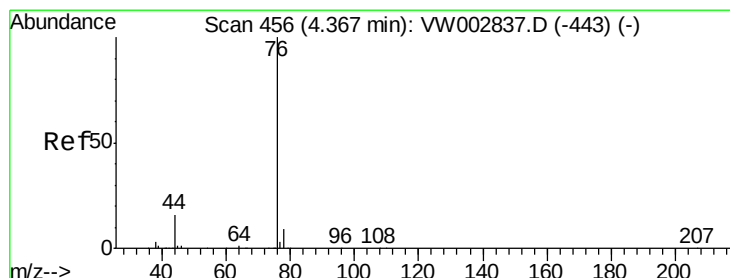
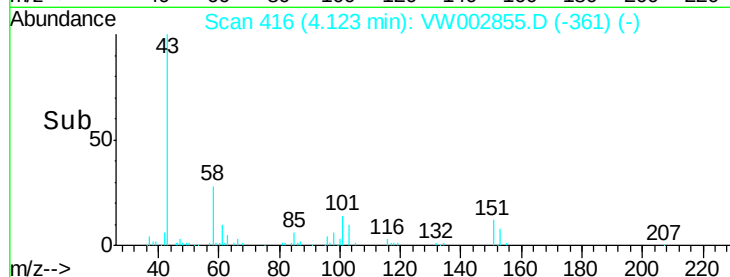
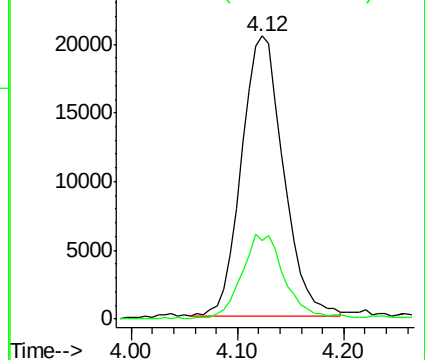
43 100

58 30.2 0.0 59.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 22.84 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW002855.D

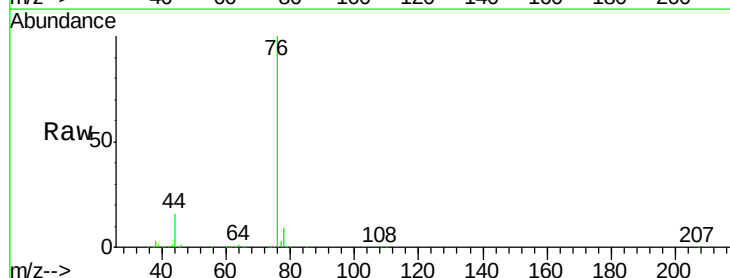
Acq: 24 May 2018 18:51

Tgt Ion: 76 Resp: 246719

Ion Ratio Lower Upper

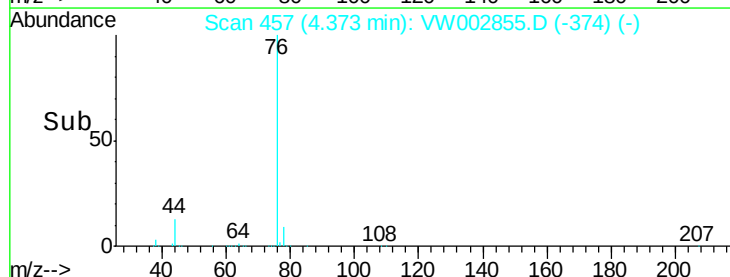
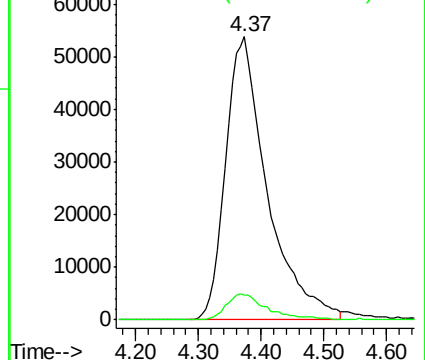
76 100

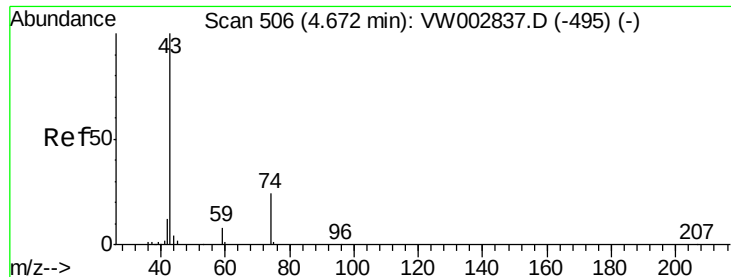
78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VW

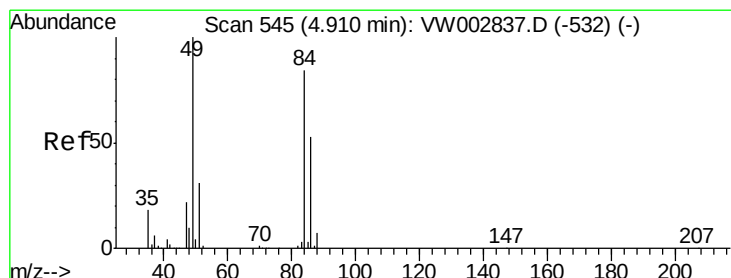
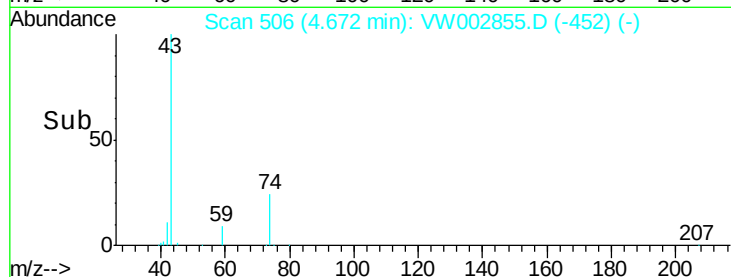
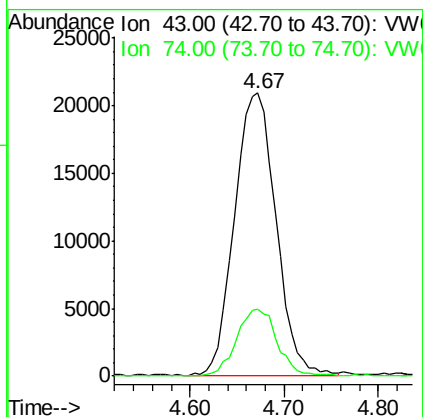
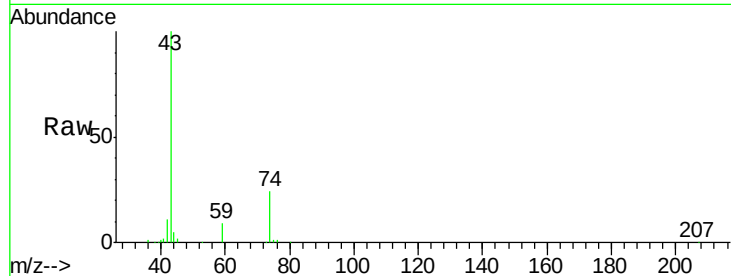
Ion 78.00 (77.70 to 78.70): VW





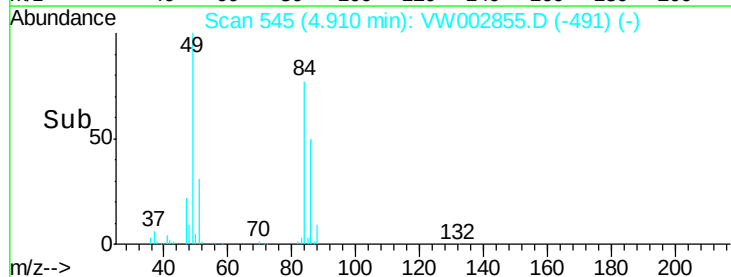
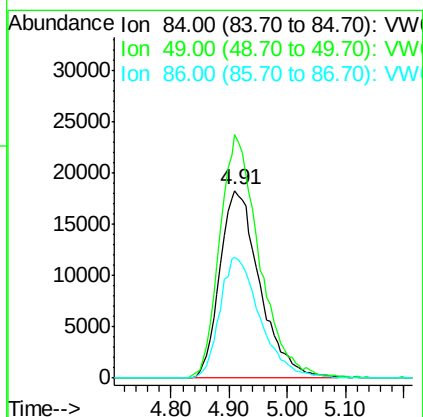
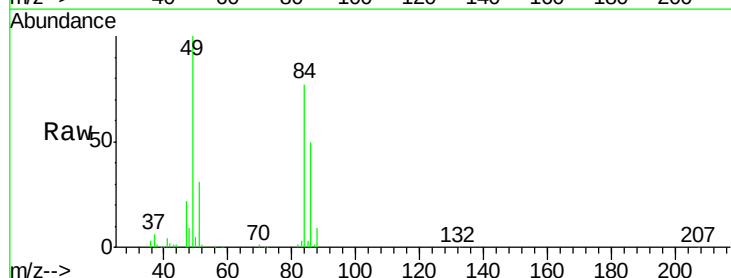
#15
Methyl Acetate
Concen: 25.90 ug/L
RT: 4.67 min Scan# 506
Delta R.T. -0.00 min
Lab File: VW002855.D
Acq: 24 May 2018 18:51

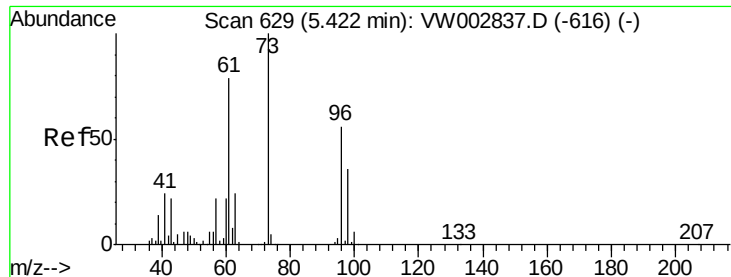
Tgt Ion: 43 Resp: 63820
Ion Ratio Lower Upper
43 100
74 23.2 18.8 28.2



#16
Methylene chloride
Concen: 23.09 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW002855.D
Acq: 24 May 2018 18:51

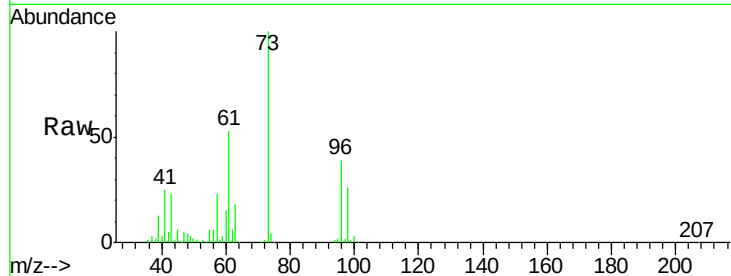
Tgt Ion: 84 Resp: 87262
Ion Ratio Lower Upper
84 100
49 129.9 89.2 165.6
86 64.5 46.3 86.1



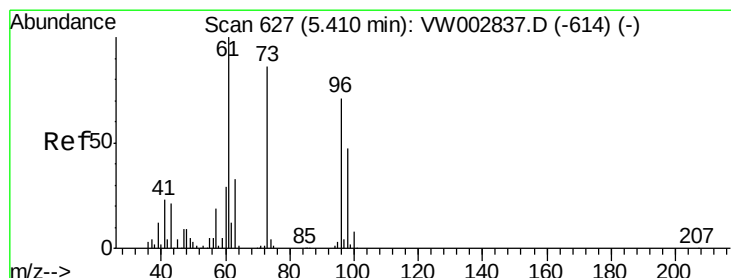
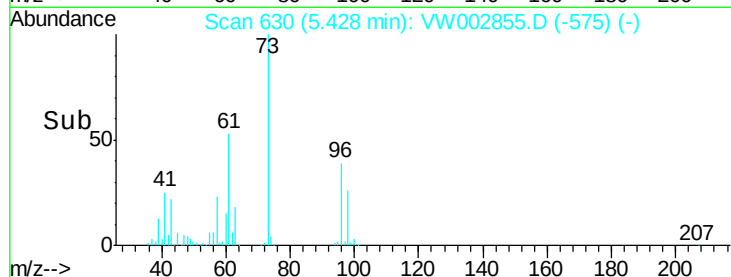
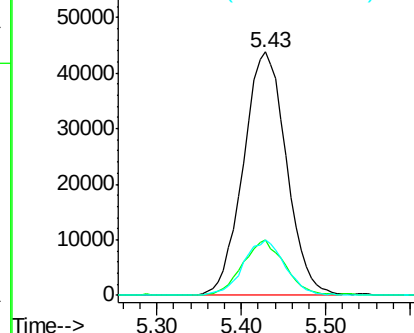


#17
Methyl tert-butyl Ether
Concen: 23.56 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW002855.D
Acq: 24 May 2018 18:51

Tgt Ion: 73 Resp: 152374
Ion Ratio Lower Upper
73 100
43 22.5 17.3 25.9
57 22.2 17.5 26.3

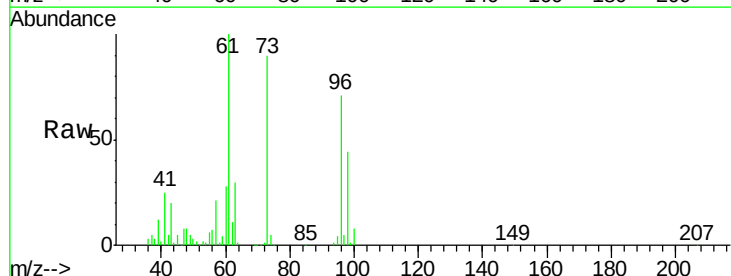


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

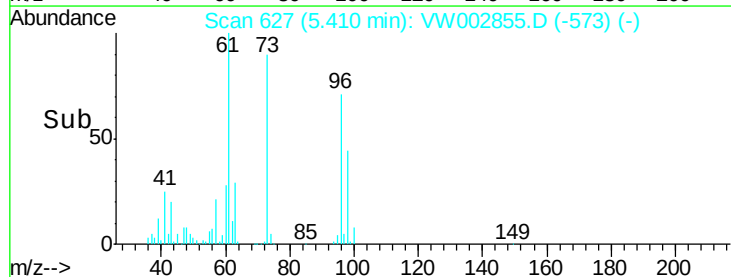
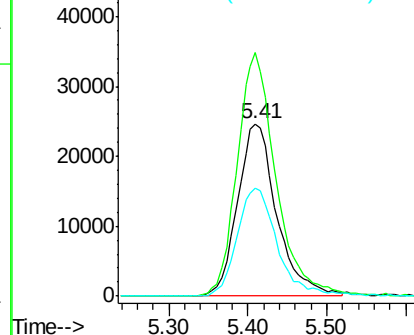


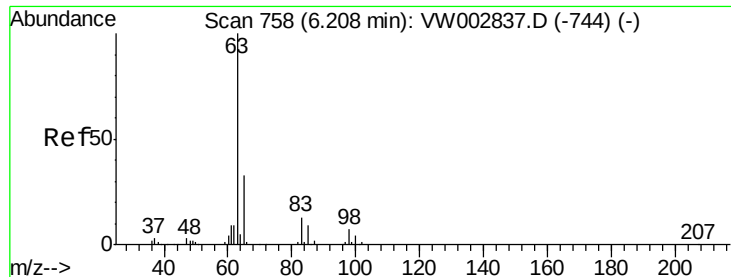
#18
trans-1,2-Dichloroethene
Concen: 23.28 ug/L
RT: 5.41 min Scan# 627
Delta R.T. -0.00 min
Lab File: VW002855.D
Acq: 24 May 2018 18:51

Tgt Ion: 96 Resp: 85468
Ion Ratio Lower Upper
96 100
61 141.2 100.0 185.8
98 62.4 45.6 84.8



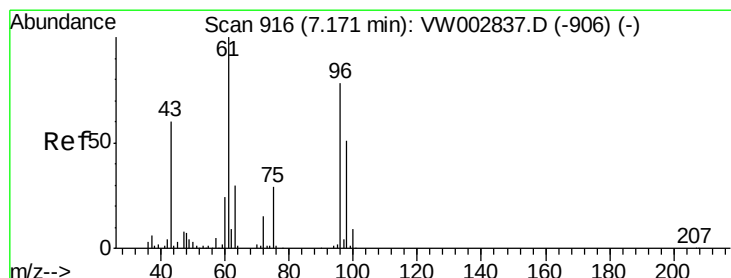
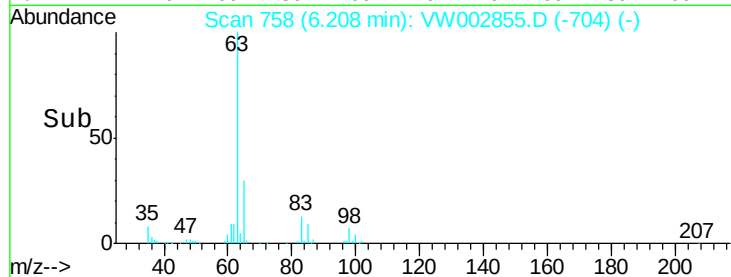
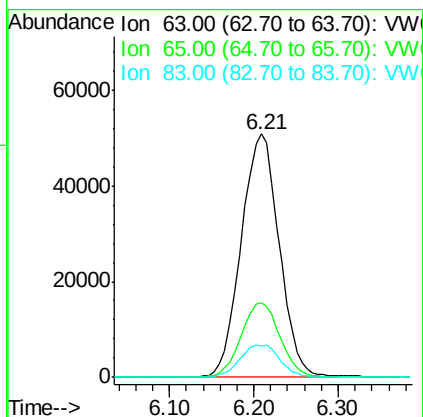
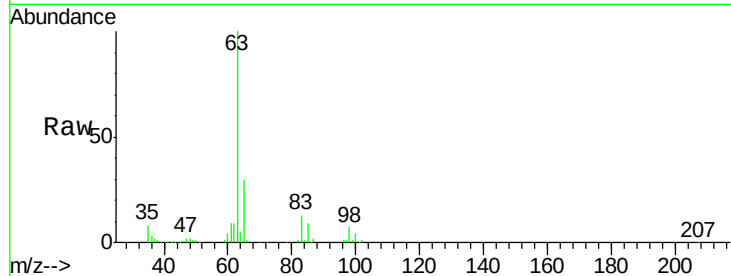
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW





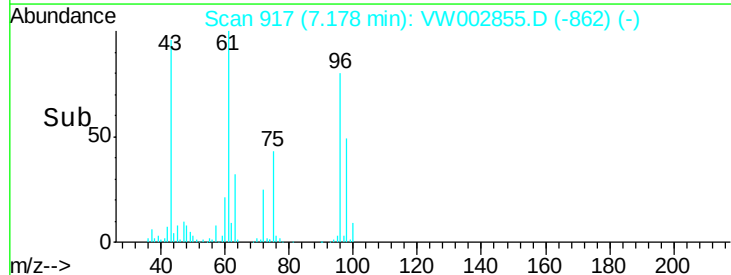
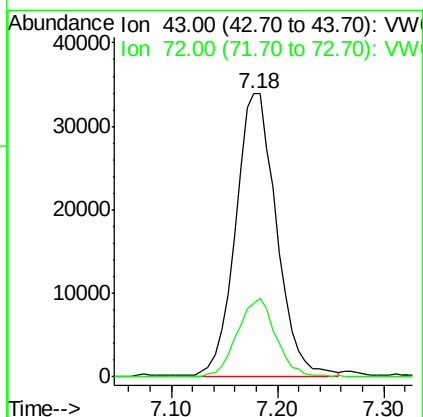
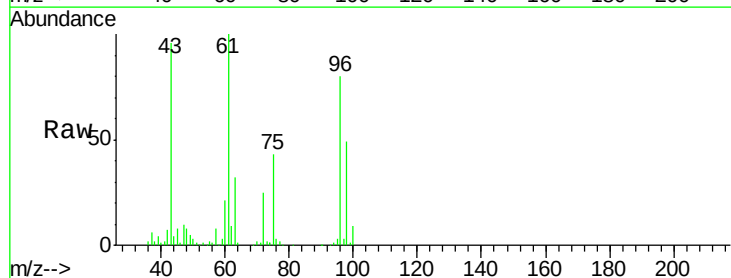
#19
 1,1-Dichloroethane
 Concen: 24.13 ug/L
 RT: 6.21 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: VW002855.D
 Acq: 24 May 2018 18:51

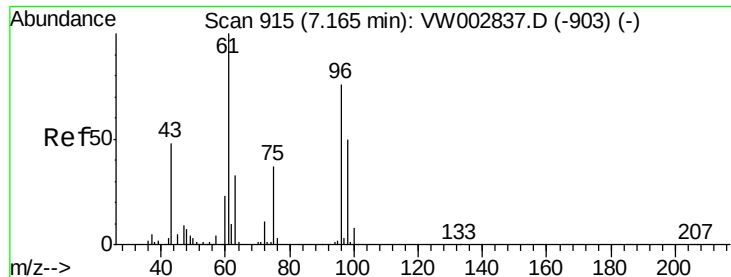
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.4	21.8	40.4
83	12.7	10.1	18.9



#21
 2-Butanone
 Concen: 51.15 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. 0.01 min
 Lab File: VW002855.D
 Acq: 24 May 2018 18:51

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.0	13.7	41.1

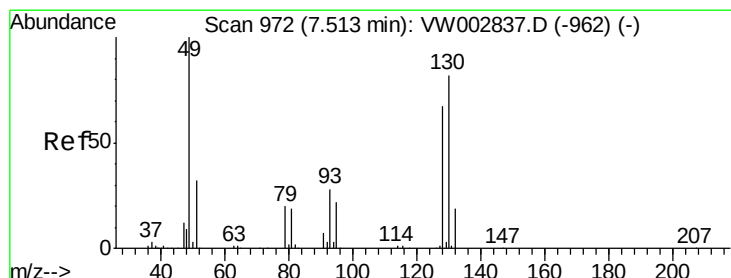
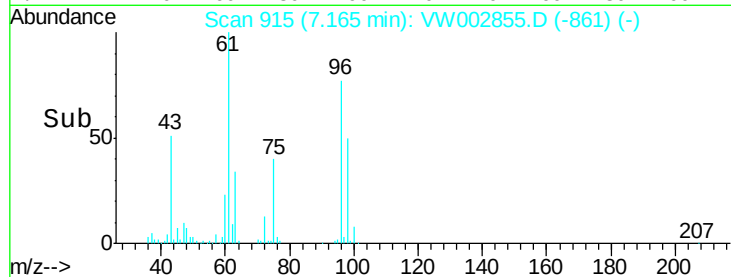
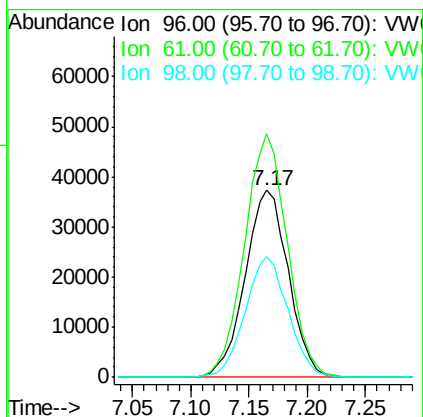
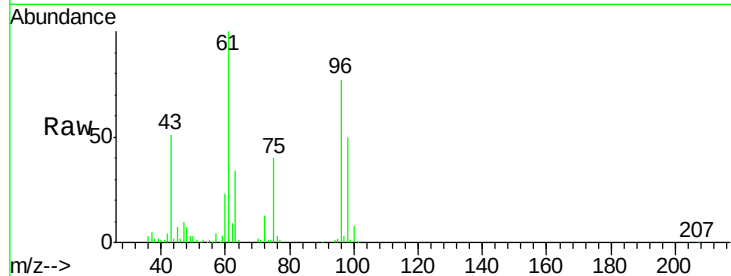




#22

cis-1,2-Dichloroethene
Concen: 24.01 ug/L
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW002855.D
Acq: 24 May 2018 18:51

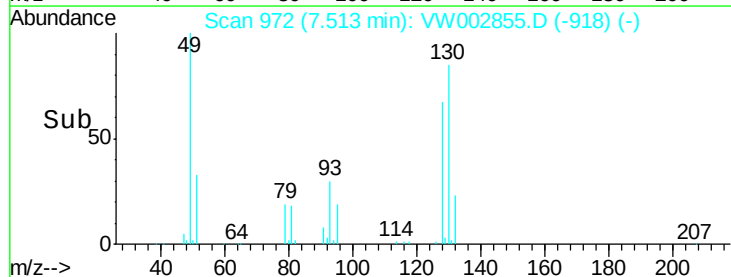
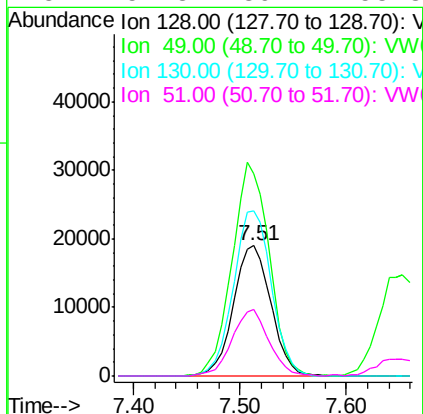
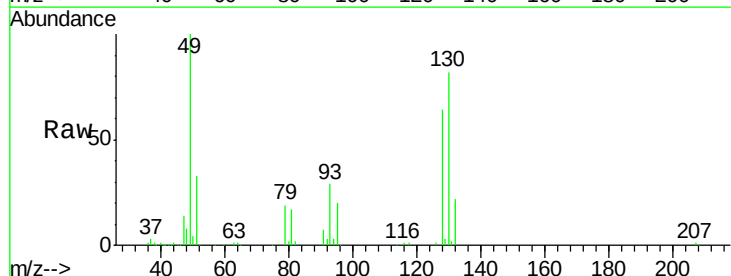
Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.1	88.1	163.7
98	64.5	43.9	81.5

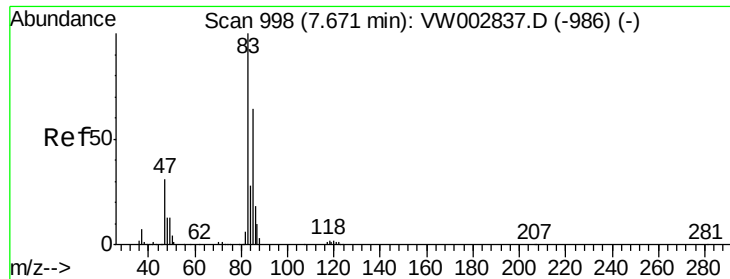


#23

Bromochloromethane
Concen: 24.02 ug/L
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW002855.D
Acq: 24 May 2018 18:51

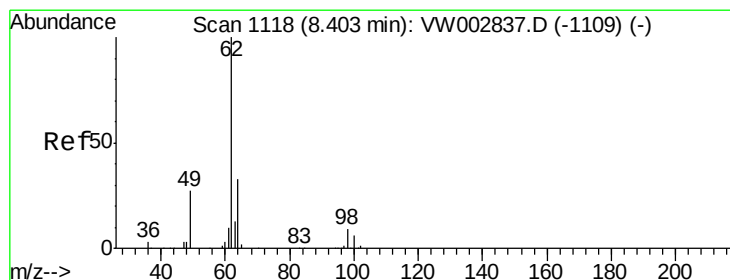
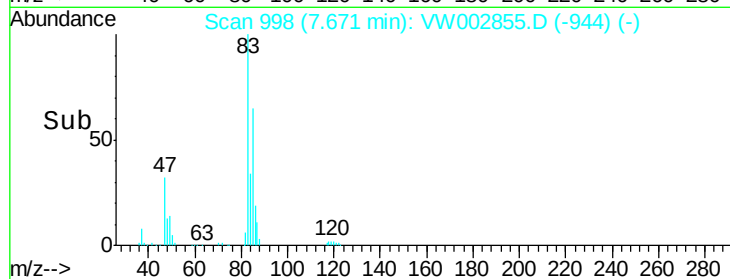
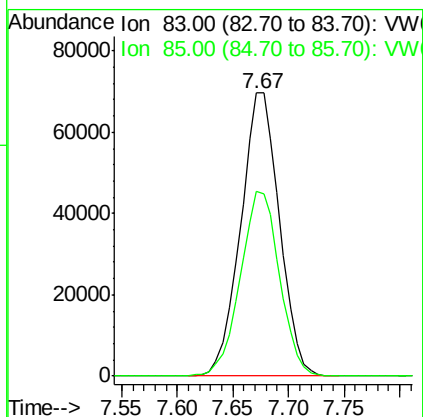
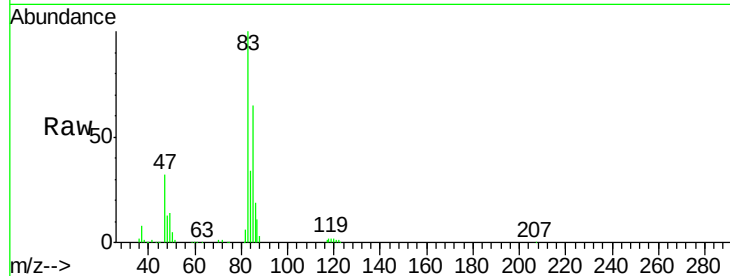
Tgt Ion	Ratio	Lower	Upper
128	100		
49	155.2	107.7	199.9
130	127.3	86.5	160.7
51	51.3	39.2	58.8





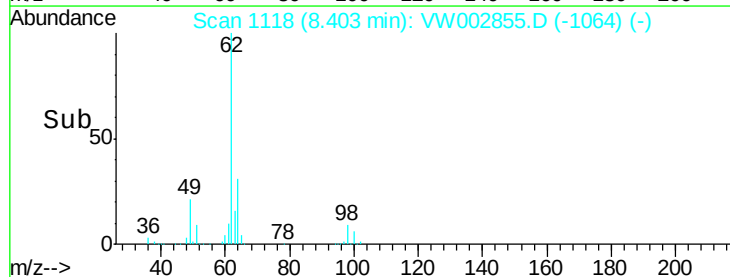
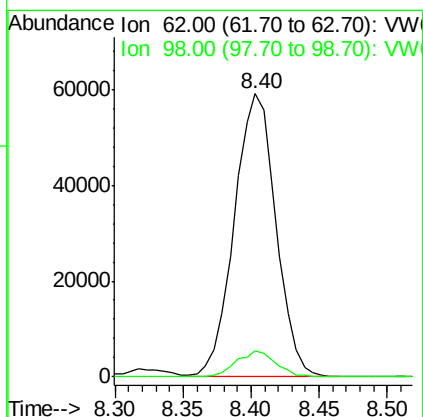
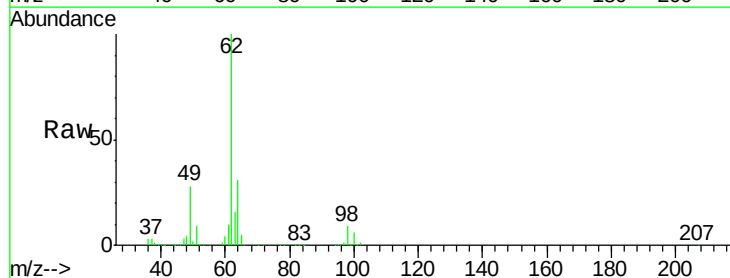
#25
Chloroform
Concen: 24.25 ug/L
RT: 7.67 min Scan# 998
Delta R.T. -0.00 min
Lab File: VW002855.D
Acq: 24 May 2018 18:51

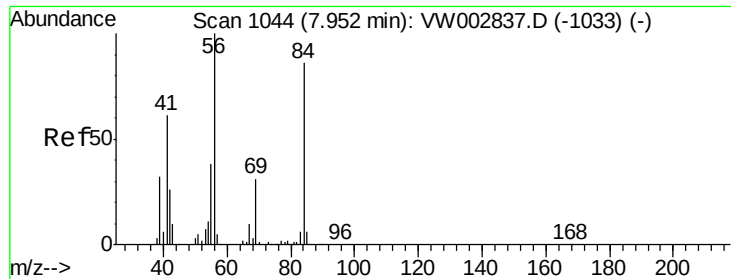
Tgt Ion: 83 Resp: 168789
Ion Ratio Lower Upper
83 100
85 65.9 46.6 86.6



#27
1,2-Dichloroethane
Concen: 24.90 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW002855.D
Acq: 24 May 2018 18:51

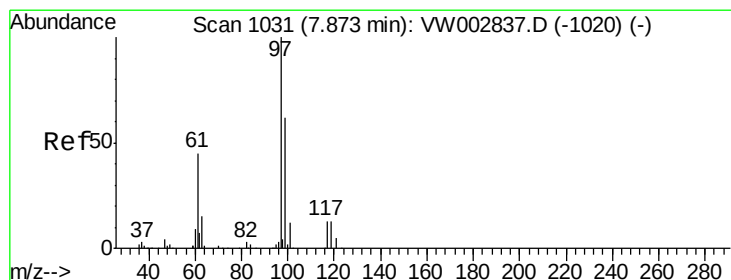
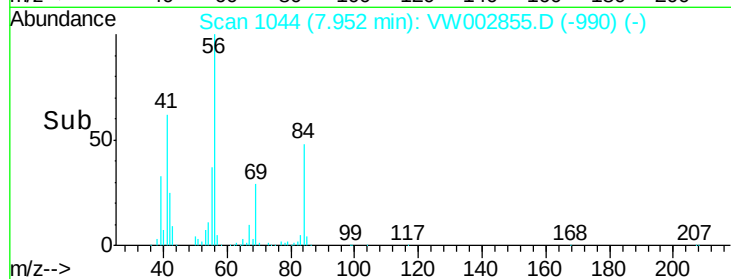
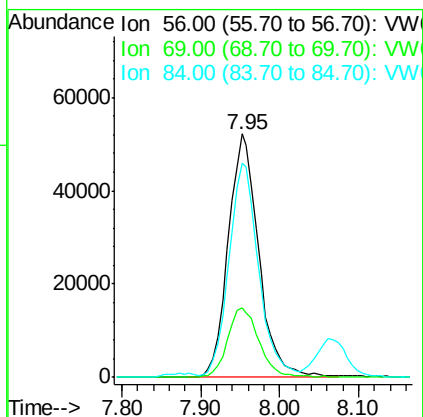
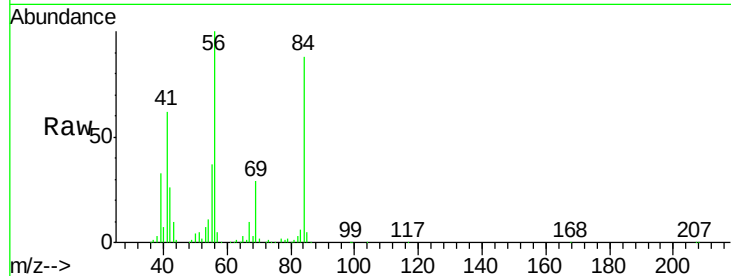
Tgt Ion: 62 Resp: 126266
Ion Ratio Lower Upper
62 100
98 9.1 6.9 10.3





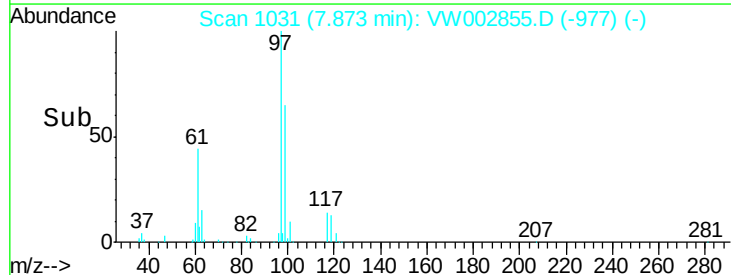
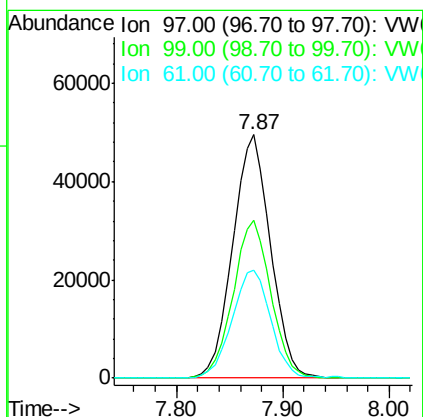
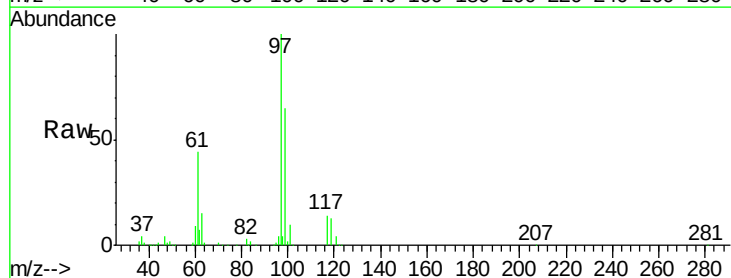
#30
Cyclohexane
Concen: 23.56 ug/L
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW002855.D
Acq: 24 May 2018 18:51

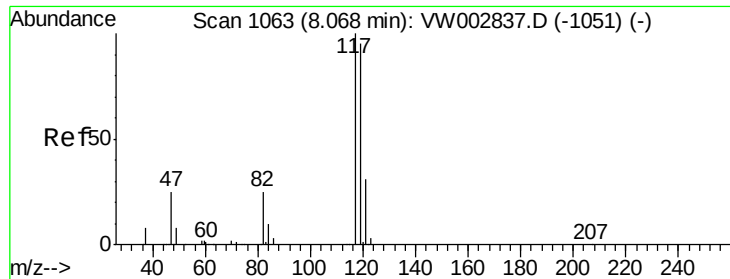
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.1	24.6	36.8
84	86.1	70.2	105.2



#31
1,1,1-Trichloroethane
Concen: 22.62 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW002855.D
Acq: 24 May 2018 18:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.1	78.1
61	45.6	35.0	52.4





#32

Carbon tetrachloride

Concen: 23.07 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW002855.D

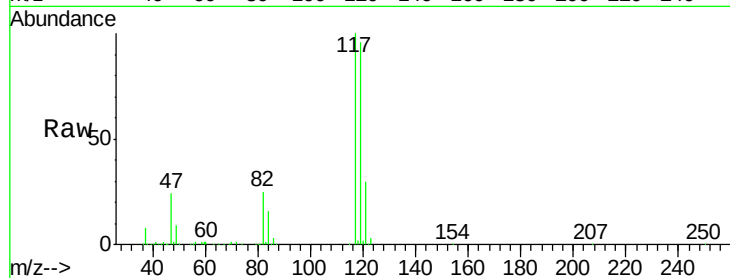
Acq: 24 May 2018 18:51

Tgt Ion: 117 Resp: 126025

Ion Ratio Lower Upper

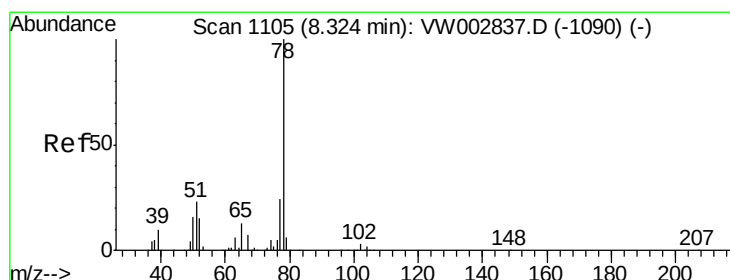
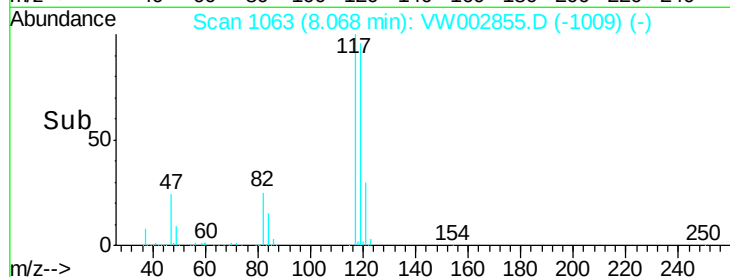
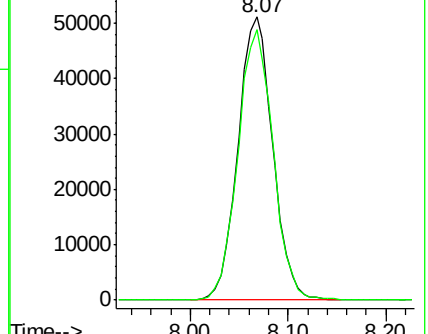
117 100

119 96.6 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.78 ug/L

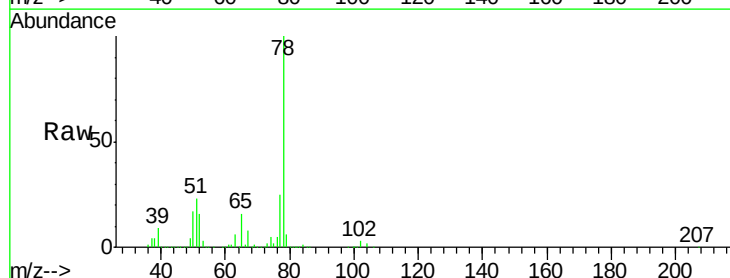
RT: 8.32 min Scan# 1105

Delta R.T. -0.00 min

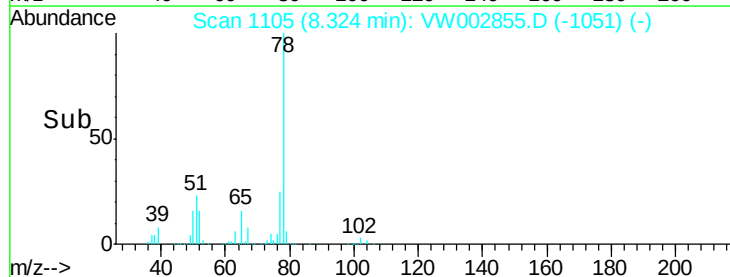
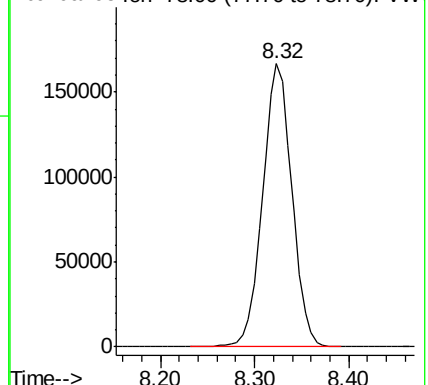
Lab File: VW002855.D

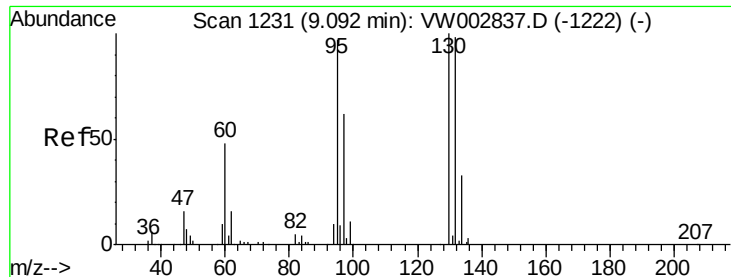
Acq: 24 May 2018 18:51

Tgt Ion: 78 Resp: 363660



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.13 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW002855.D

Acq: 24 May 2018 18:51

Tgt Ion: 95 Resp: 96699

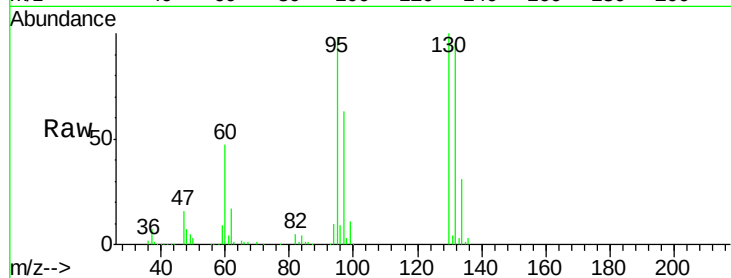
Ion Ratio Lower Upper

95 100

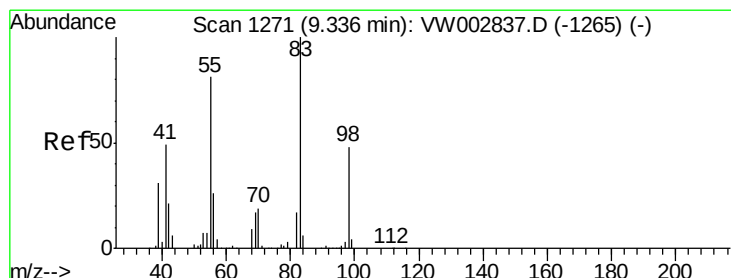
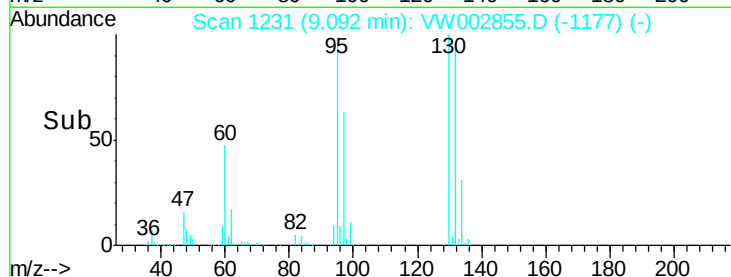
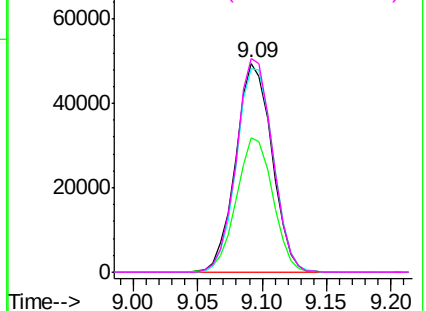
97 64.7 45.3 84.1

132 99.0 71.4 132.6

130 101.8 72.5 134.7



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



#36

Methylcyclohexane

Concen: 23.48 ug/L

RT: 9.34 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VW002855.D

Acq: 24 May 2018 18:51

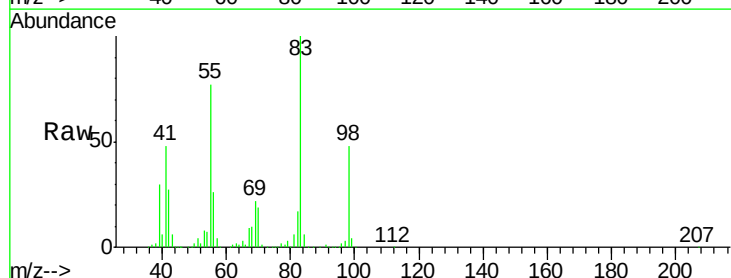
Tgt Ion: 83 Resp: 162168

Ion Ratio Lower Upper

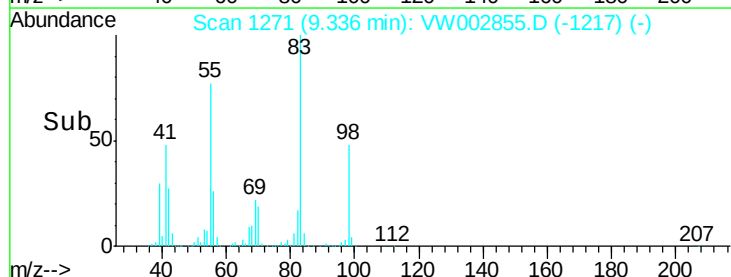
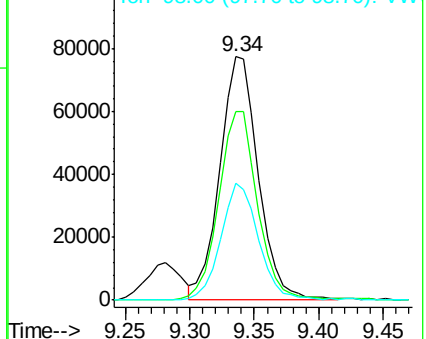
83 100

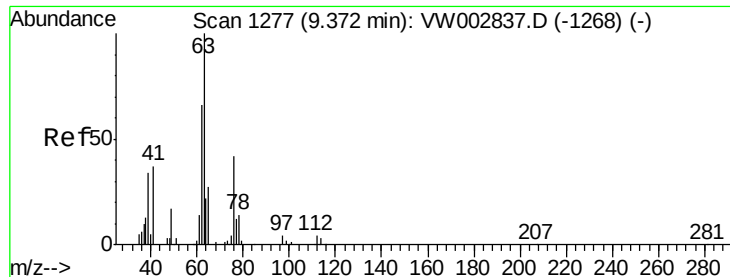
55 78.0 60.5 90.7

98 46.8 38.3 57.5



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: 24.02 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW002855.D

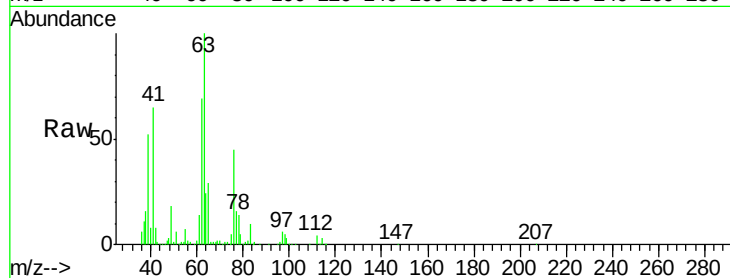
Acq: 24 May 2018 18:51

Tgt Ion: 63 Resp: 95239

Ion Ratio Lower Upper

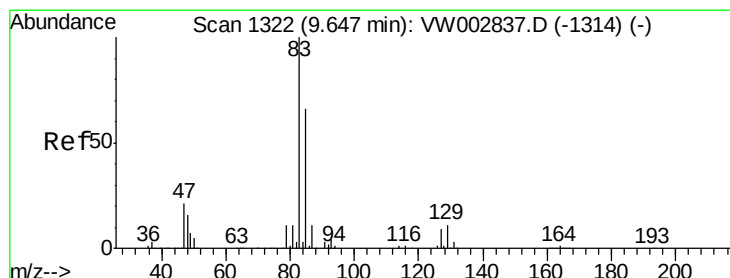
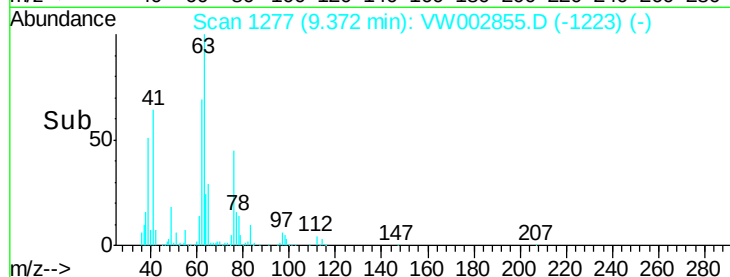
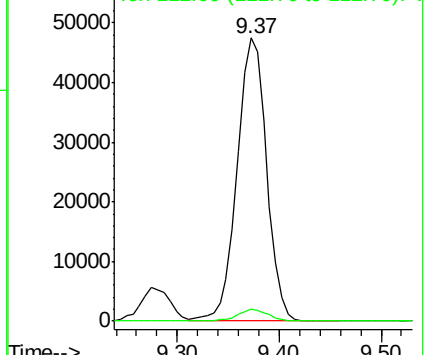
63 100

112 4.3 3.4 5.0



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.27 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW002855.D

Acq: 24 May 2018 18:51

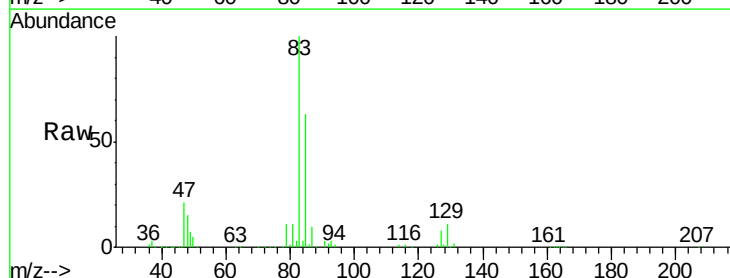
Tgt Ion: 83 Resp: 125447

Ion Ratio Lower Upper

83 100

85 63.0 43.5 80.9

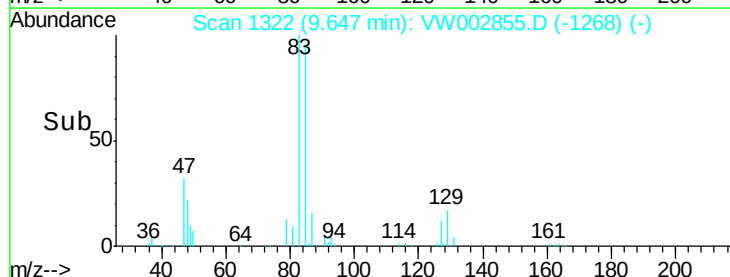
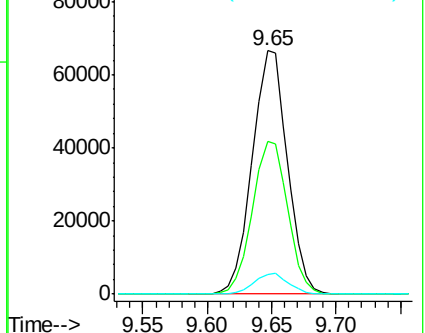
127 8.2 7.2 10.8

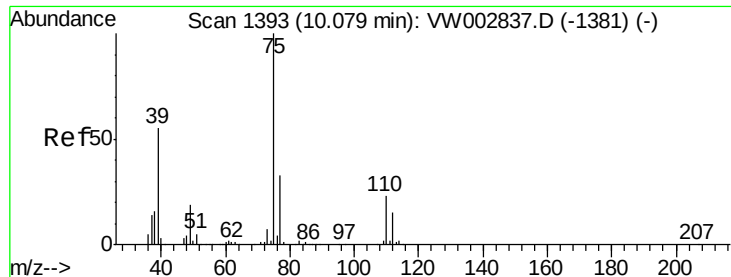


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 23.30 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW002855.D

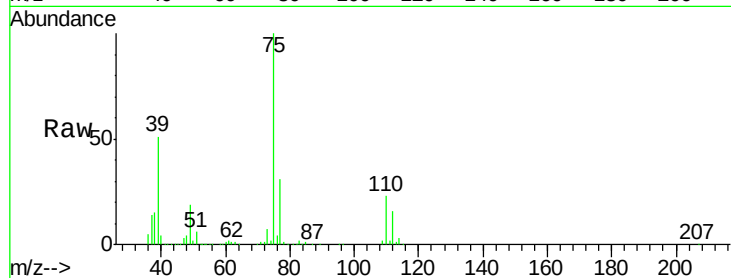
Acq: 24 May 2018 18:51

Tgt Ion: 75 Resp: 142103

Ion Ratio Lower Upper

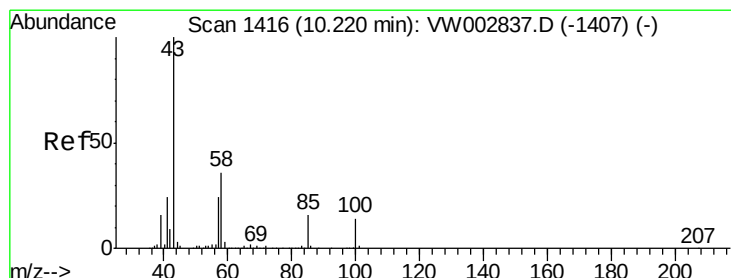
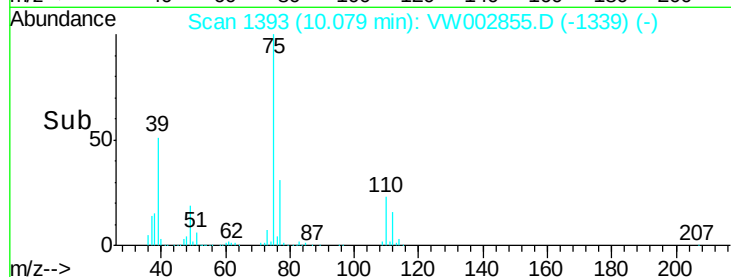
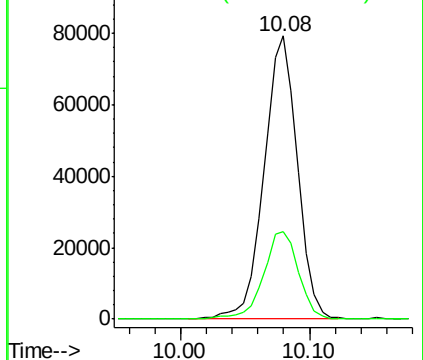
75 100

77 30.8 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 52.27 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW002855.D

Acq: 24 May 2018 18:51

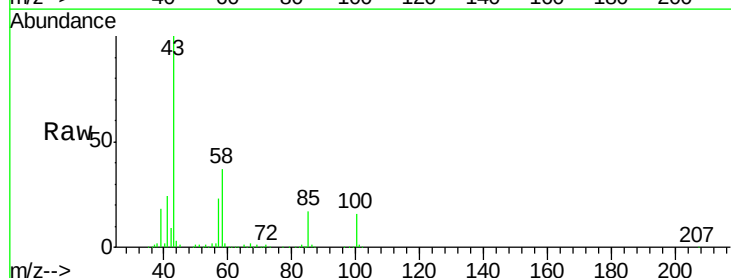
Tgt Ion: 43 Resp: 186540

Ion Ratio Lower Upper

43 100

58 36.7 30.2 45.2

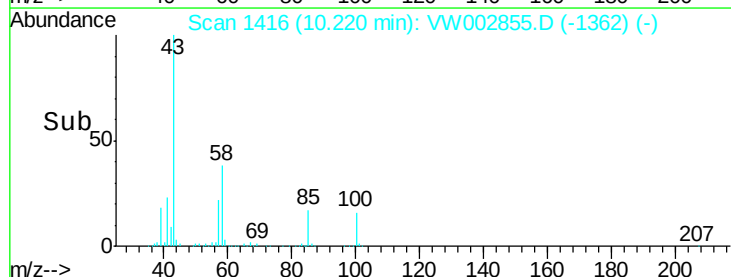
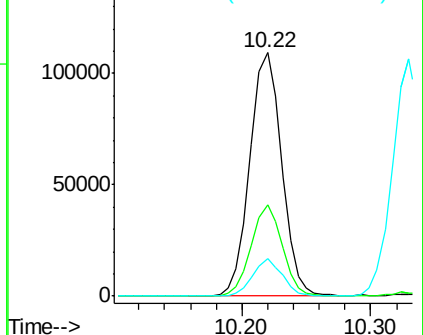
100 14.5 12.1 18.1

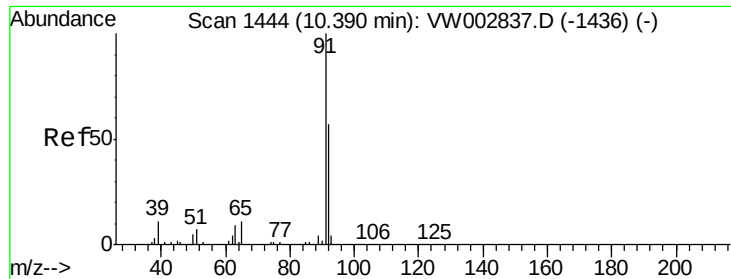


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 23.89 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW002855.D

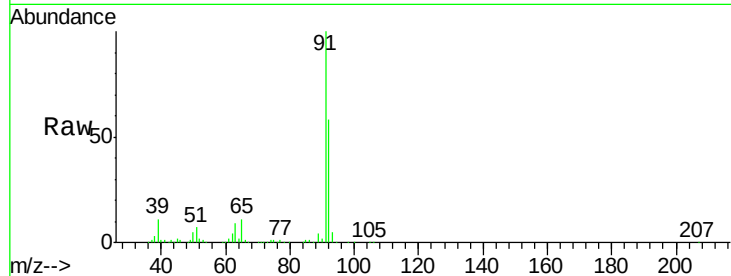
Acq: 24 May 2018 18:51

Tgt Ion: 91 Resp: 398365

Ion Ratio Lower Upper

91 100

92 57.7 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

250000

200000

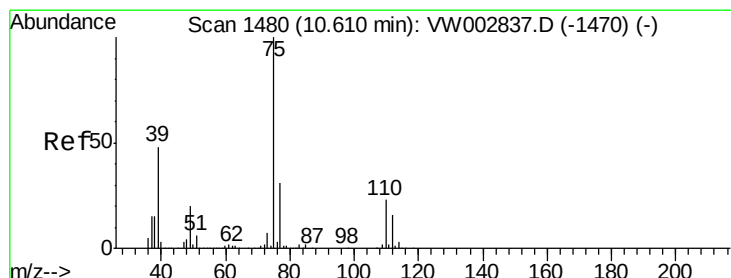
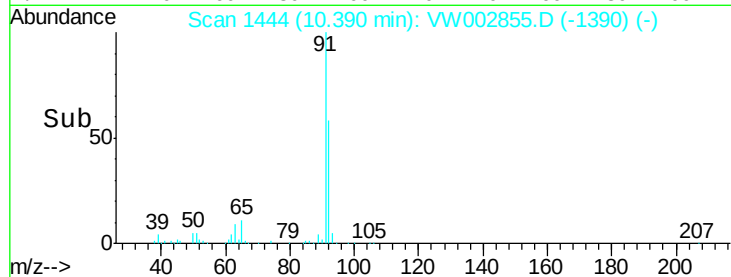
150000

100000

50000

0

Time--> 10.30 10.40



#45

trans-1,3-Dichloropropene

Concen: 23.77 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW002855.D

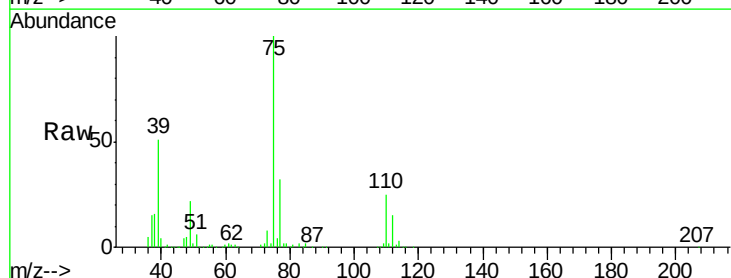
Acq: 24 May 2018 18:51

Tgt Ion: 75 Resp: 132146

Ion Ratio Lower Upper

75 100

77 31.6 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

80000

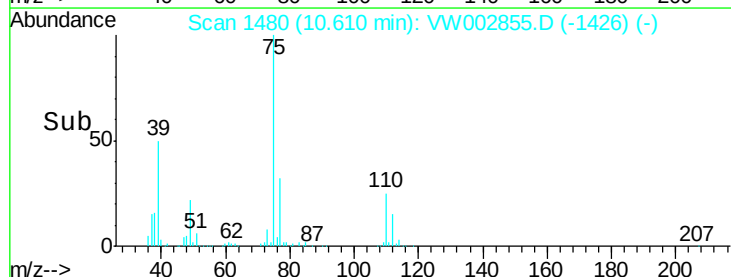
60000

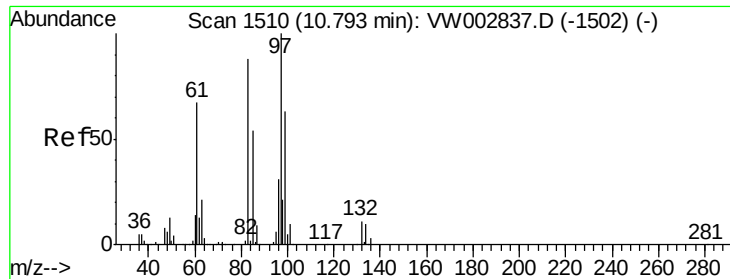
40000

20000

0

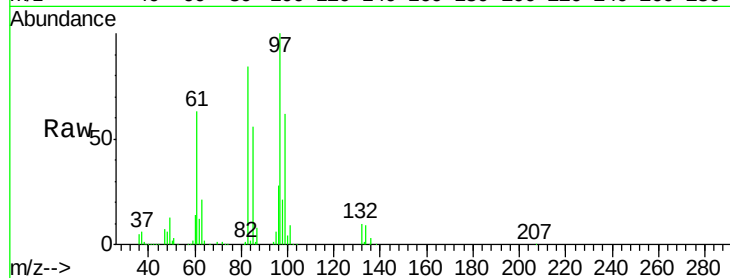
Time--> 10.55 10.65





#46
 1,1,2-Trichloroethane
 Concen: 24.49 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW002855.D
 Acq: 24 May 2018 18:51

Tgt Ion:	97	Resp:	80442
Ion	Ratio	Lower	Upper
97	100		
83	83.8	60.6	112.6
85	55.8	37.9	70.3
99	61.7	42.0	78.0

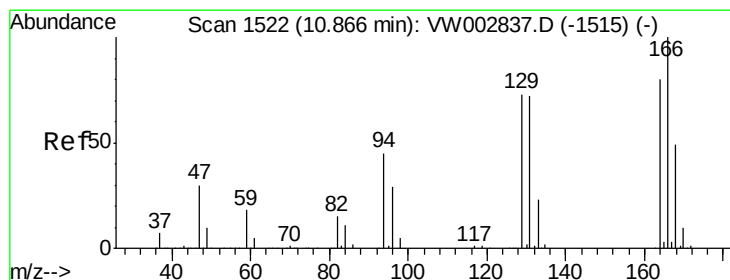
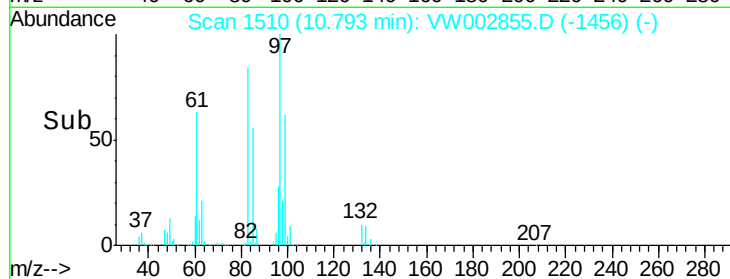
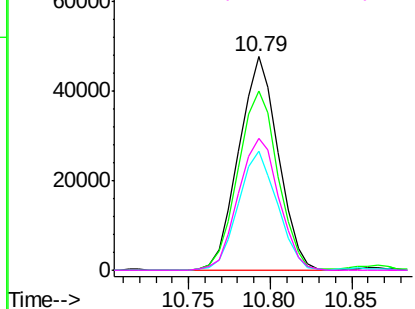


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

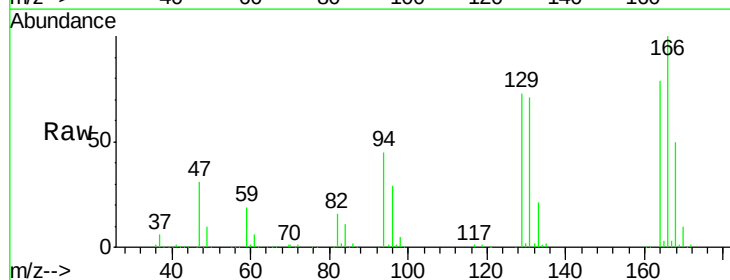
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 23.22 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW002855.D
 Acq: 24 May 2018 18:51

Tgt Ion:	164	Resp:	83976
Ion	Ratio	Lower	Upper
164	100		
129	93.2	64.4	119.6
131	90.0	63.2	117.4
166	127.0	88.7	164.7

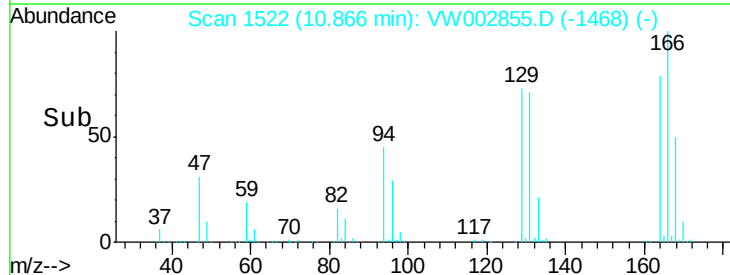
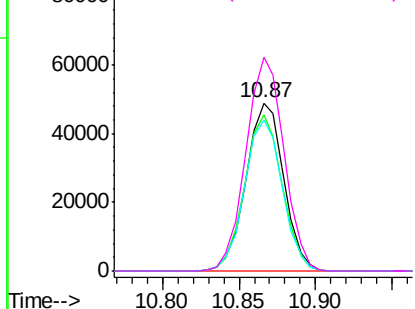


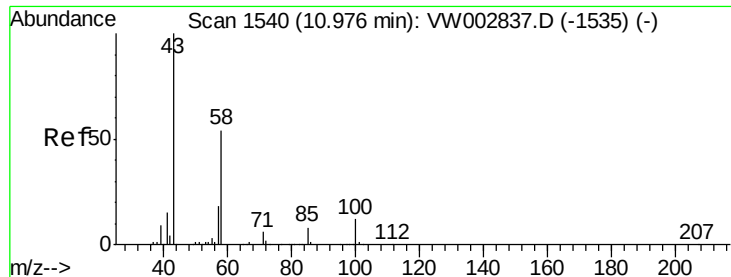
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

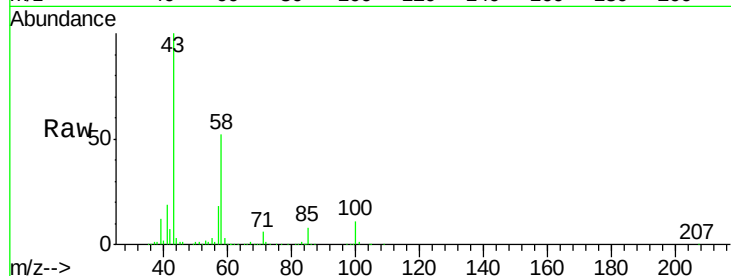
Ion 166.00 (165.70 to 166.70): V



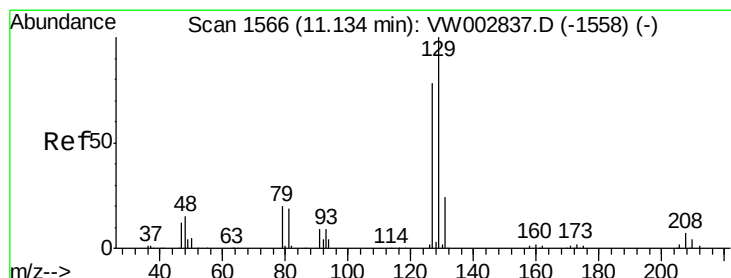
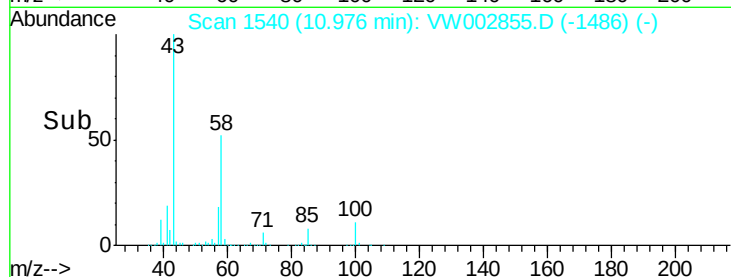
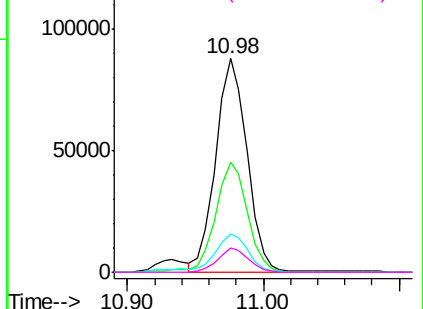


#49
2-Hexanone
Concen: 53.24 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW002855.D
Acq: 24 May 2018 18:51

Tgt Ion:	43	Resp:	140263
Ion	Ratio	Lower	Upper
43	100		
58	51.2	42.8	64.2
57	18.3	15.9	23.9
100	11.3	9.8	14.6

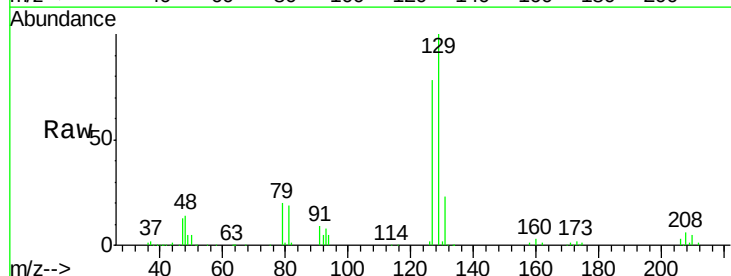


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

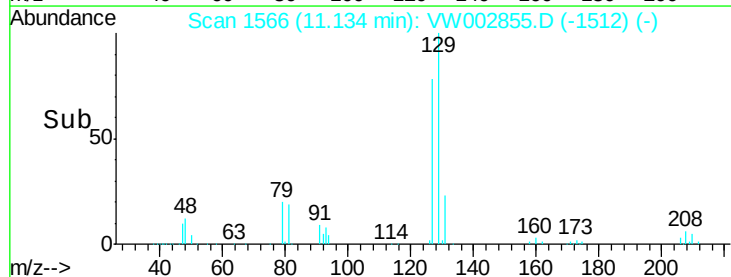
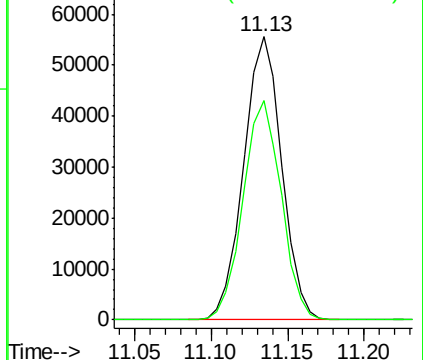


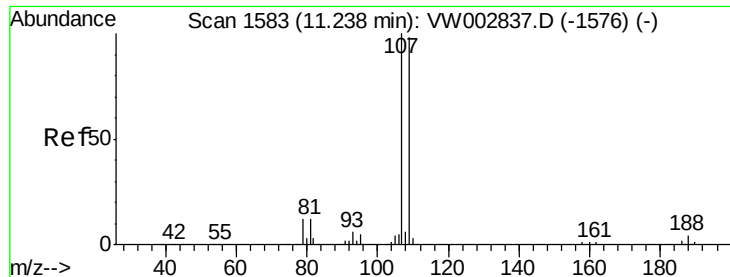
#50
Dibromochloromethane
Concen: 24.26 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW002855.D
Acq: 24 May 2018 18:51

Tgt Ion:	129	Resp:	96199
Ion	Ratio	Lower	Upper
129	100		
127	77.6	52.6	97.8



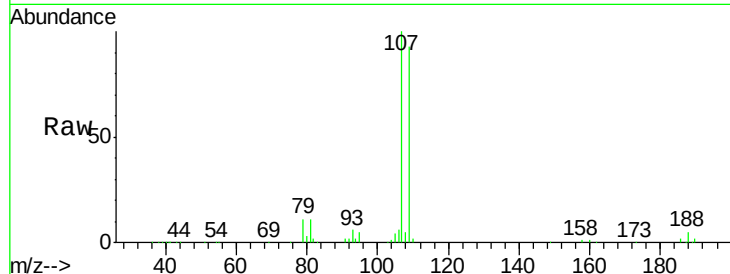
Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



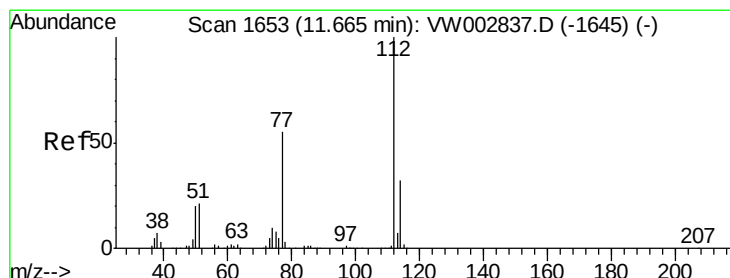
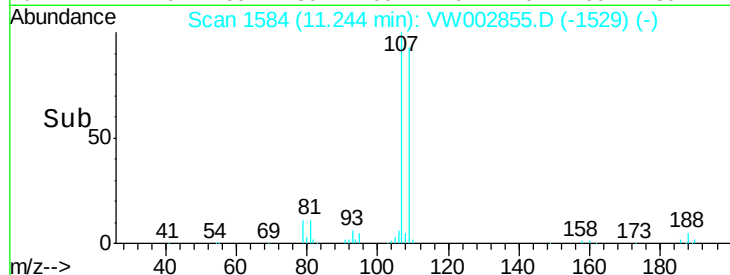
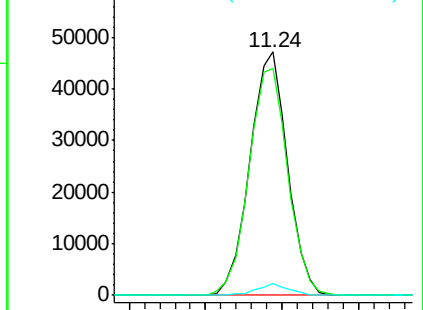


#51
 1,2-Dibromoethane
 Concen: 24.18 ug/L
 RT: 11.24 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: VW002855.D
 Acq: 24 May 2018 18:51

Tgt Ion	Resp	Ion Ratio	Lower	Upper
107	80697	100		
109	93.2		65.5	121.6
188	4.7		3.3	4.9

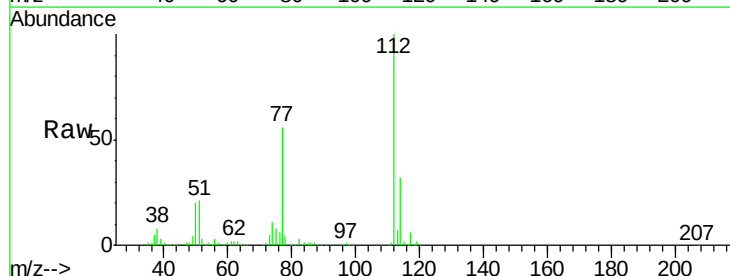


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

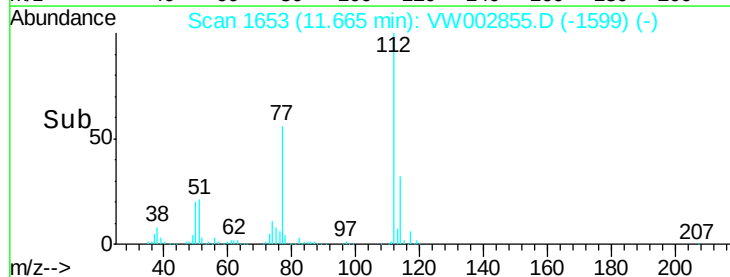
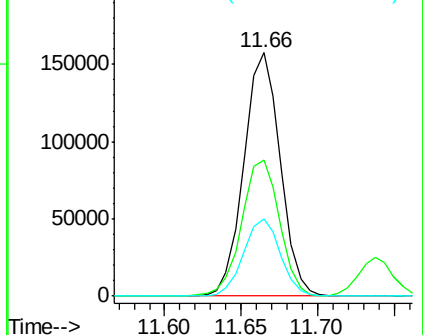


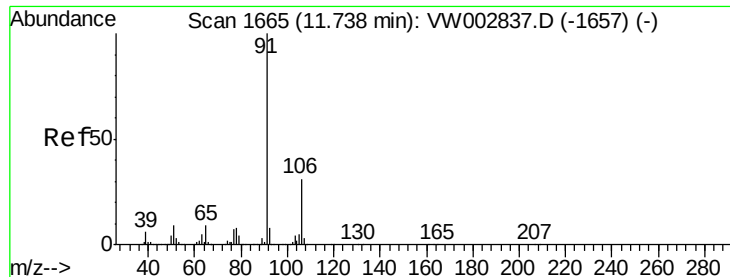
#52
 Chlorobenzene
 Concen: 23.62 ug/L
 RT: 11.66 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: VW002855.D
 Acq: 24 May 2018 18:51

Tgt Ion	Resp	Ion Ratio	Lower	Upper
112	261086	100		
77	56.1		44.7	67.1
114	31.6		21.8	40.6



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





#53

Ethylbenzene

Concen: 23.79 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW002855.D

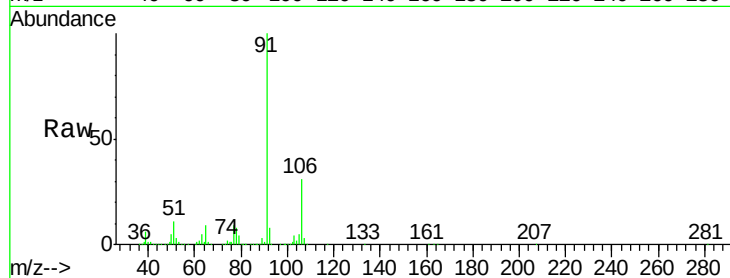
Acq: 24 May 2018 18:51

Tgt Ion: 91 Resp: 445813

Ion Ratio Lower Upper

91 100

106 30.8 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.74

300000

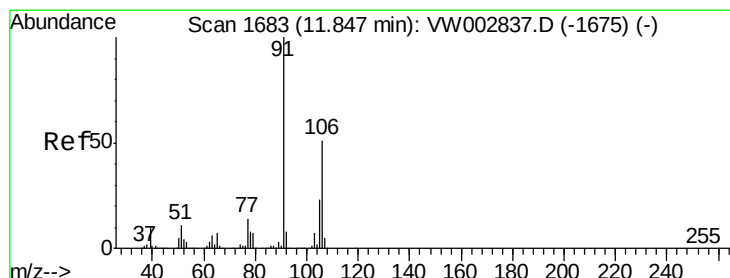
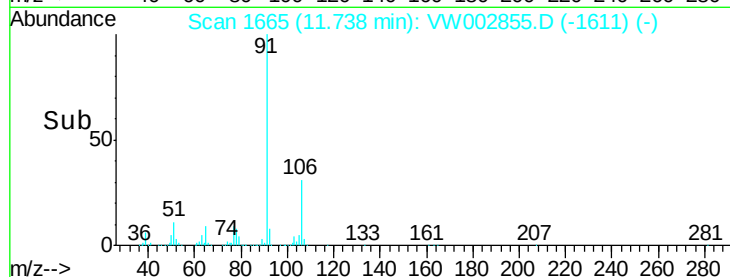
200000

100000

0

Time-->

11.70 11.75 11.80



#54

m,p-Xylene

Concen: 23.98 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW002855.D

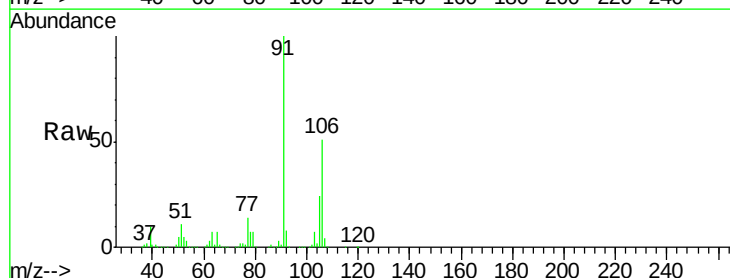
Acq: 24 May 2018 18:51

Tgt Ion: 106 Resp: 171074

Ion Ratio Lower Upper

106 100

91 197.9 140.6 261.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

11.85

300000

250000

200000

150000

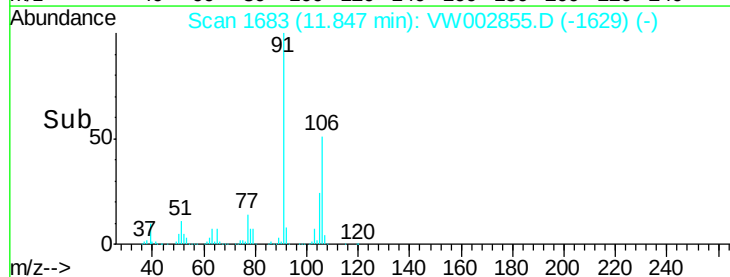
100000

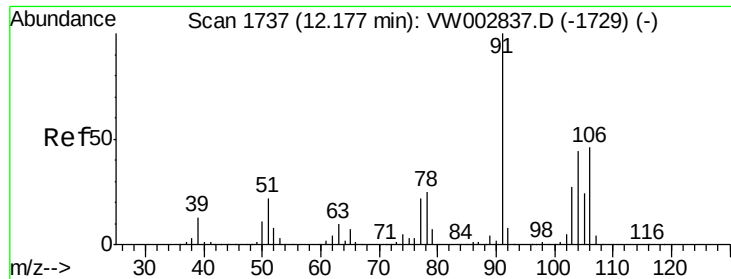
50000

0

Time-->

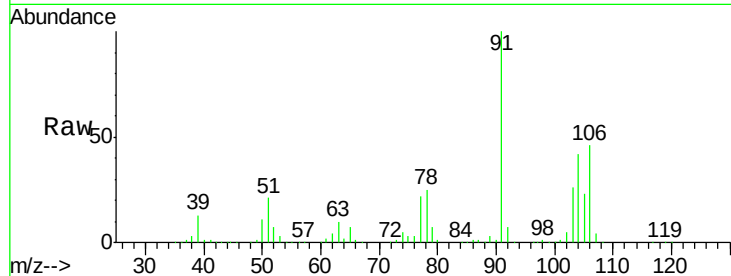
11.75 11.80 11.85 11.90



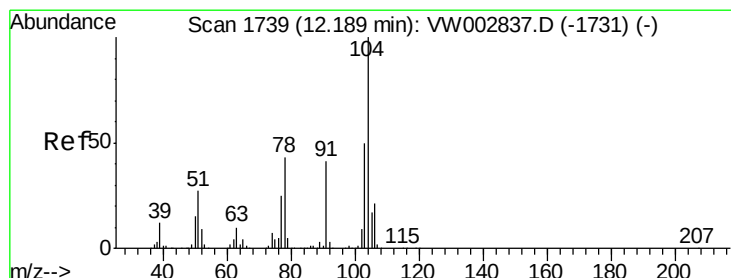
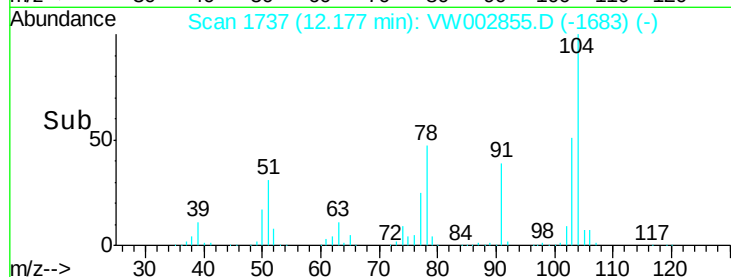
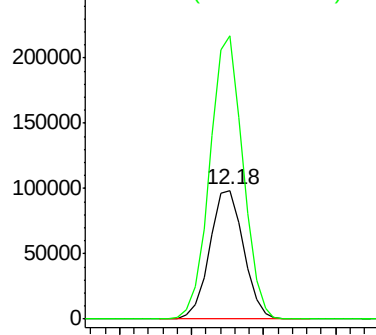


#55
o-xylene
Concen: 23.76 ug/L
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002855.D
Acq: 24 May 2018 18:51

Tgt Ion:106 Resp: 161020
Ion Ratio Lower Upper
106 100
91 219.8 150.2 279.0

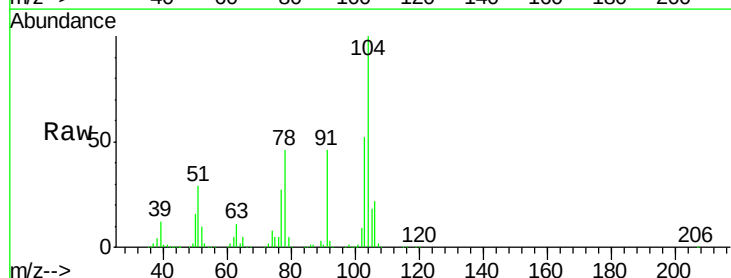


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

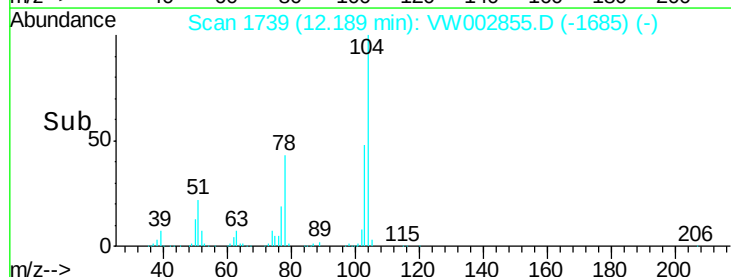
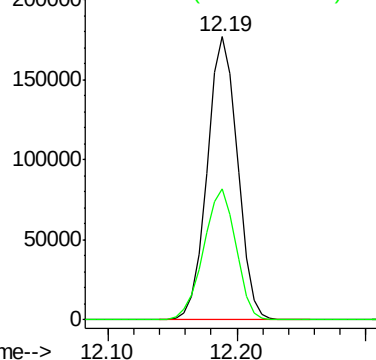


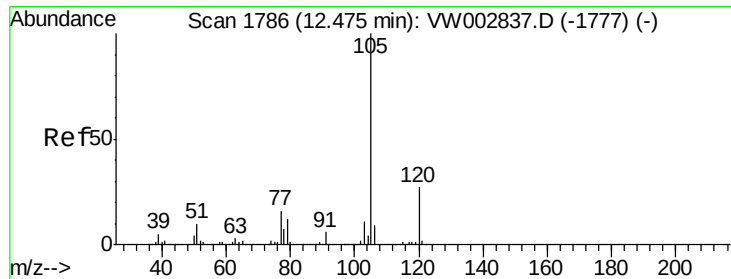
#56
Styrene
Concen: 24.24 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW002855.D
Acq: 24 May 2018 18:51

Tgt Ion:104 Resp: 287817
Ion Ratio Lower Upper
104 100
78 46.4 32.4 60.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 23.87 ug/L

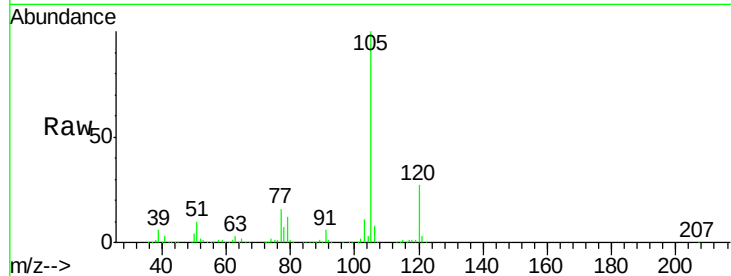
RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW002855.D

Acq: 24 May 2018 18:51

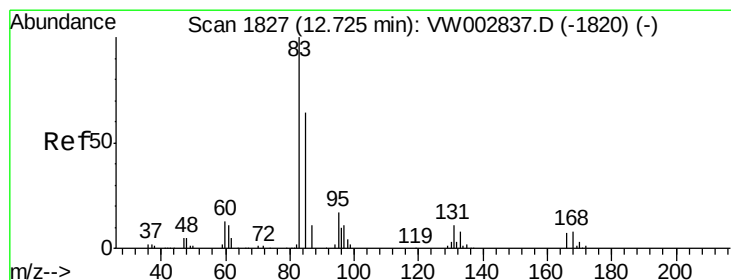
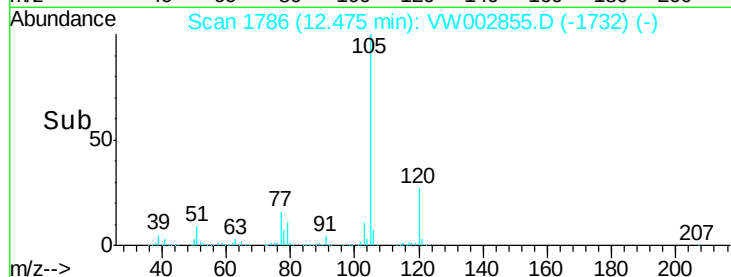
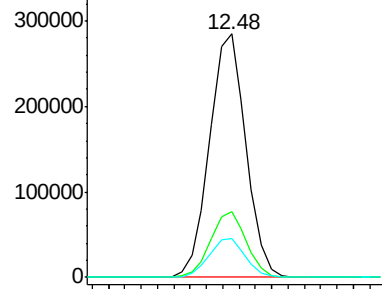
Tgt Ion:	105	Resp:	441650
Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.3	31.9
77	16.0	12.8	19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.72 ug/L

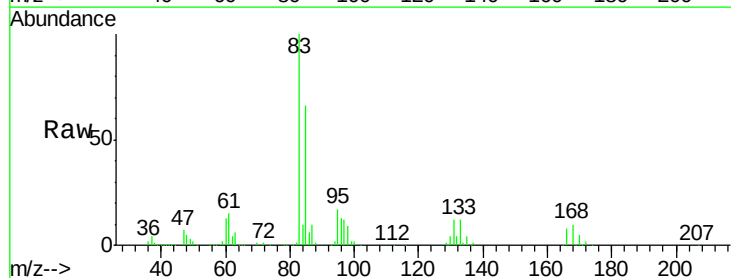
RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW002855.D

Acq: 24 May 2018 18:51

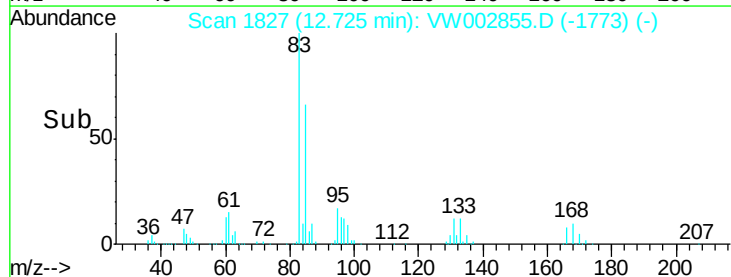
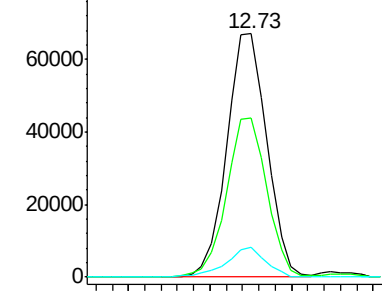
Tgt Ion:	83	Resp:	114378
Ion	Ratio	Lower	Upper
83	100		
85	65.6	45.1	83.7
131	12.0	8.2	12.2

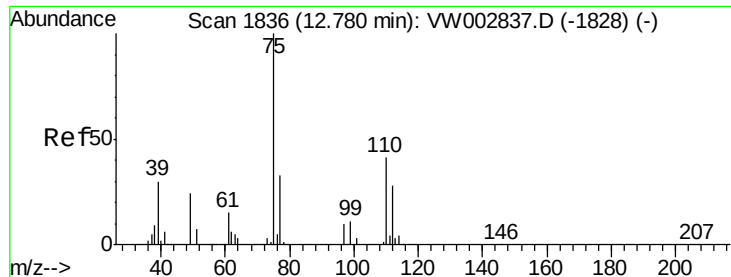


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

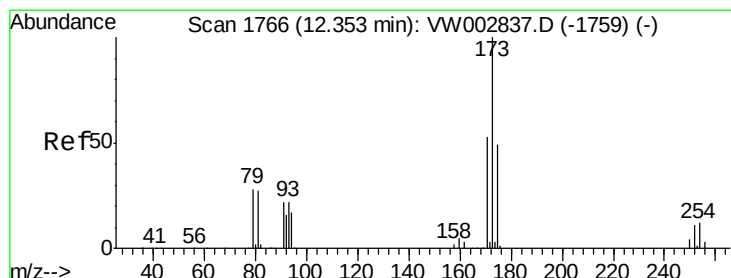
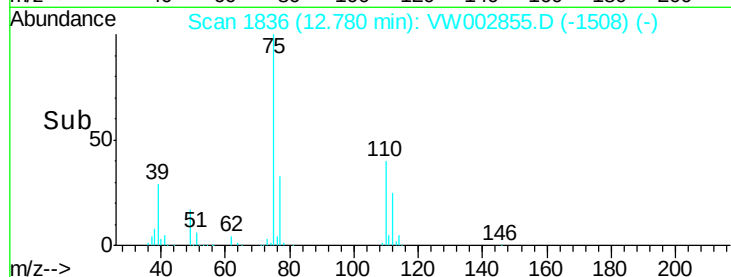
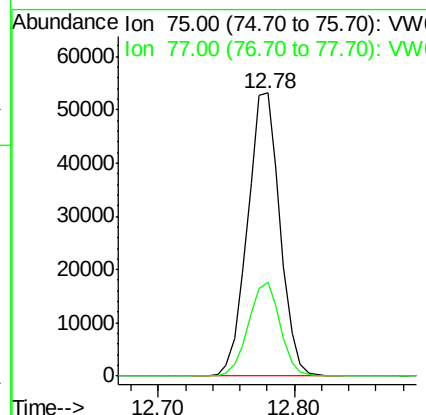
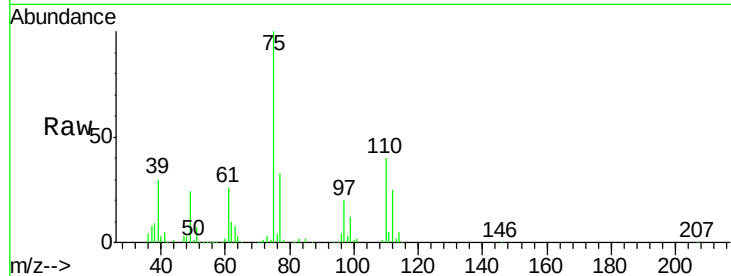
Ion 131.00 (130.70 to 131.70): V





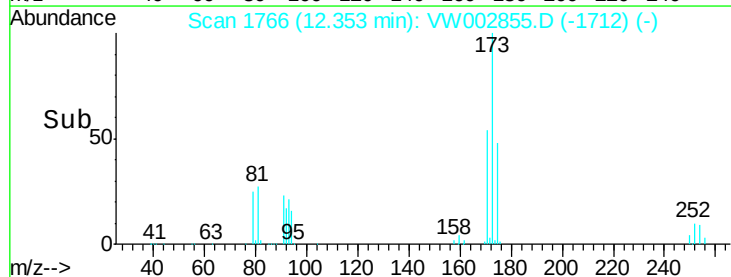
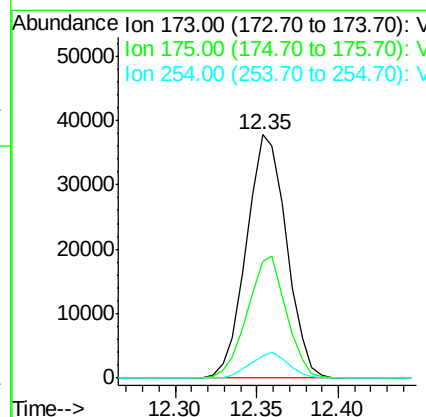
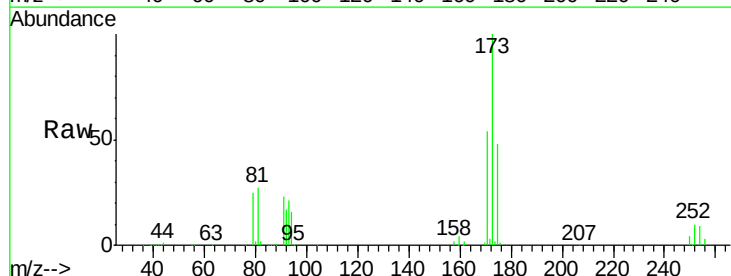
#59
 1,2,3-Trichloropropane
 Concen: 25.41 ug/L
 RT: 12.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VW002855.D
 Acq: 24 May 2018 18:51

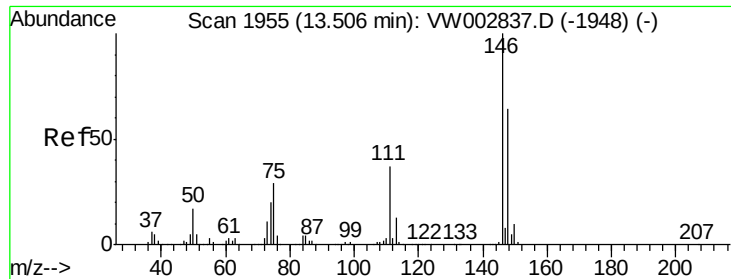
Tgt Ion: 75 Resp: 88449
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.9 38.9



#62
 Bromoform
 Concen: 24.68 ug/L
 RT: 12.35 min Scan# 1766
 Delta R.T. -0.00 min
 Lab File: VW002855.D
 Acq: 24 May 2018 18:51

Tgt Ion: 173 Resp: 64879
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.4 59.0
 254 10.0 8.5 12.7





#63

1,3-Dichlorobenzene

Concen: 23.39 ug/L

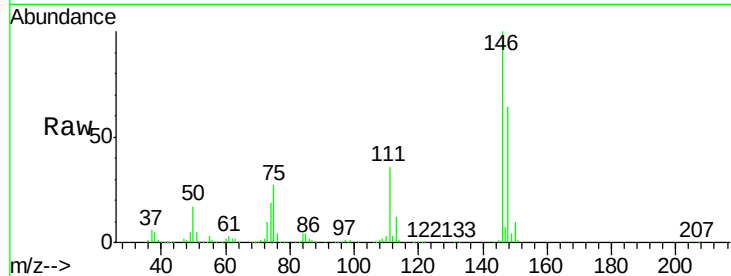
RT: 13.51 min Scan# 1956

Delta R.T. 0.01 min

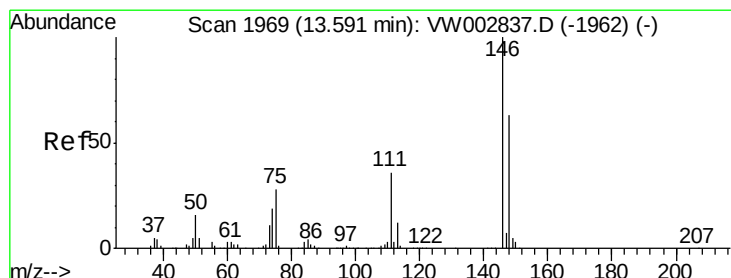
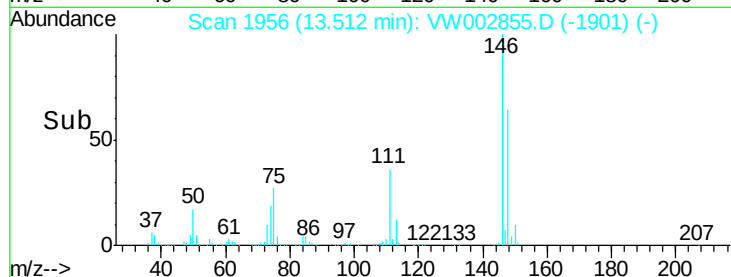
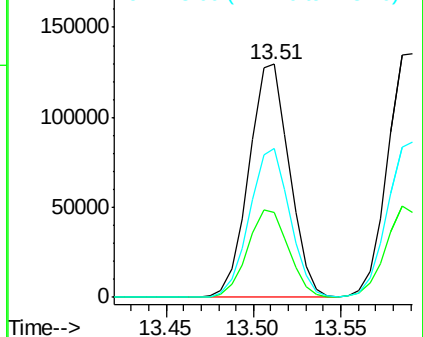
Lab File: VW002855.D

Acq: 24 May 2018 18:51

Tgt Ion:	146	Resp:	209024
Ion	Ratio	Lower	Upper
146	100		
111	36.3	26.7	49.5
148	64.2	44.3	82.3



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



#64

1,4-Dichlorobenzene

Concen: 23.61 ug/L

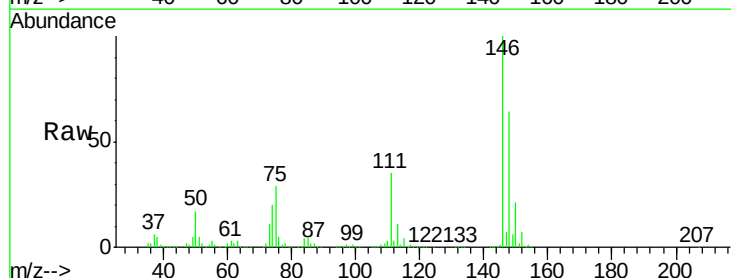
RT: 13.59 min Scan# 1969

Delta R.T. -0.00 min

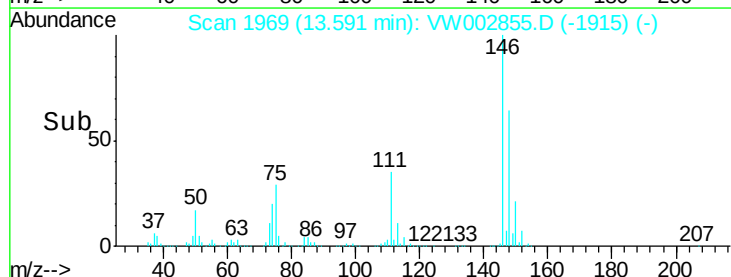
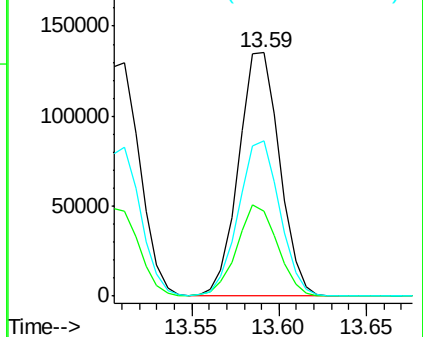
Lab File: VW002855.D

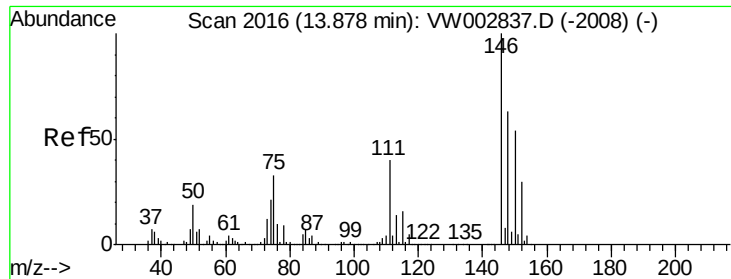
Acq: 24 May 2018 18:51

Tgt Ion:	146	Resp:	221140
Ion	Ratio	Lower	Upper
146	100		
111	35.1	25.6	47.4
148	63.9	43.2	80.2



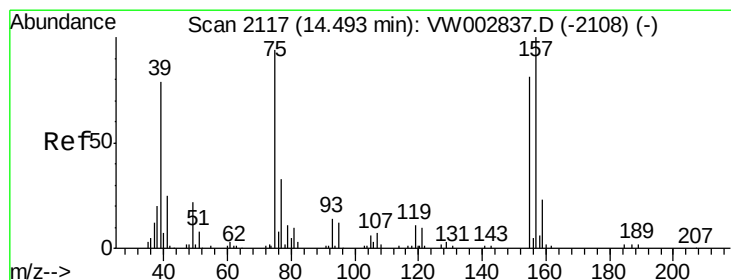
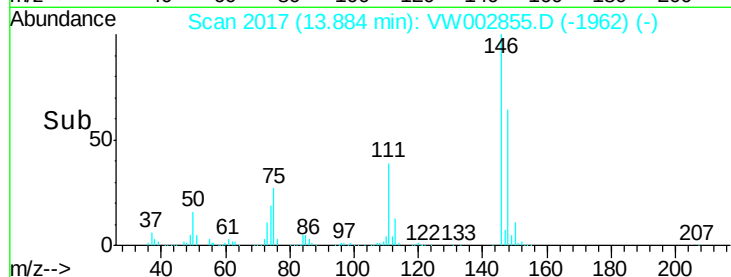
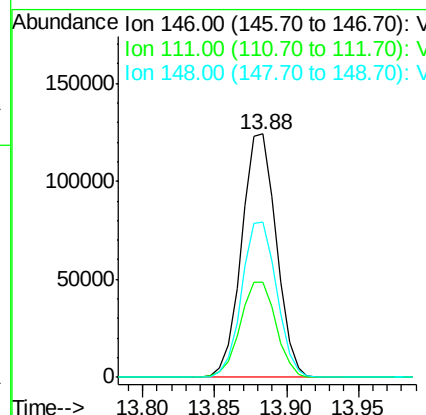
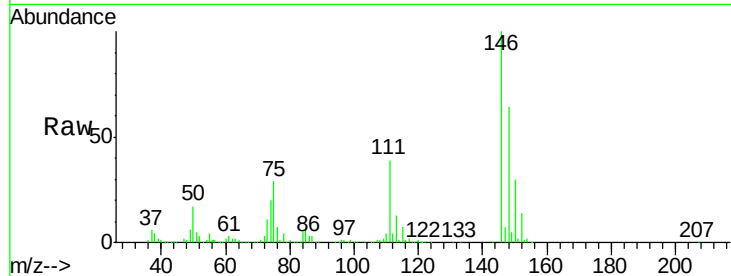
Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





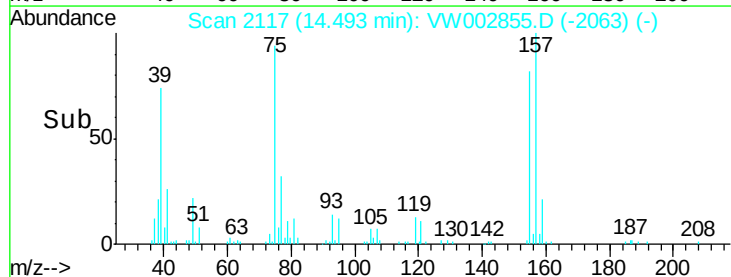
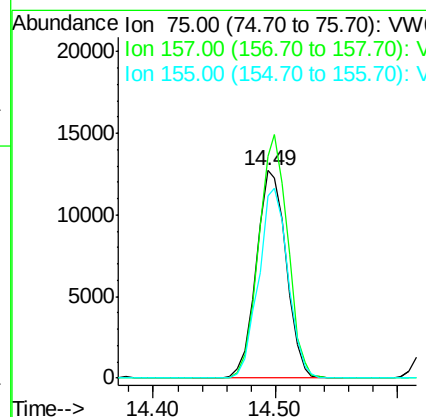
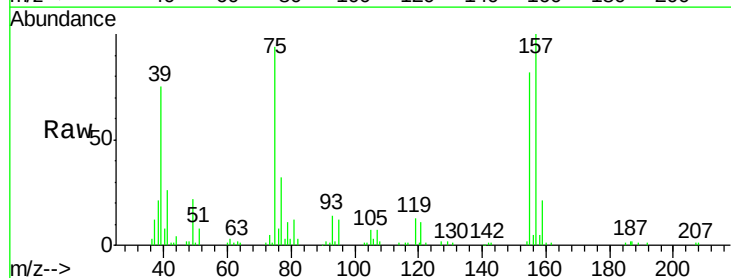
#65
 1,2-Dichlorobenzene
 Concen: 23.91 ug/L
 RT: 13.88 min Scan# 2017
 Delta R.T. 0.01 min
 Lab File: VW002855.D
 Acq: 24 May 2018 18:51

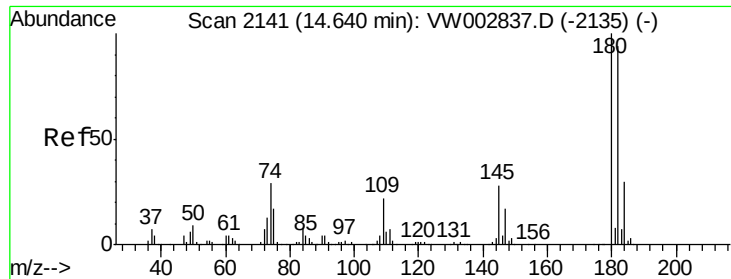
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	31.5	47.3
148	63.7	52.3	78.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.43 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW002855.D
 Acq: 24 May 2018 18:51

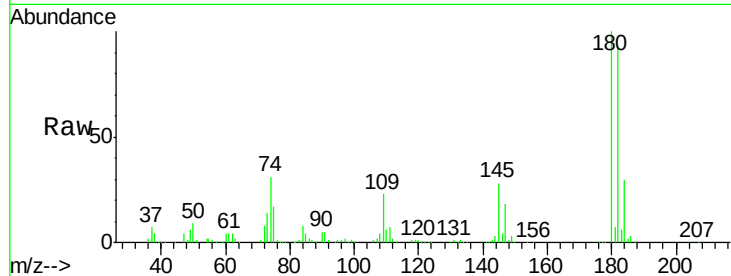
Tgt Ion	Ratio	Lower	Upper
75	100		
157	106.7	87.6	131.4
155	87.8	66.2	99.4



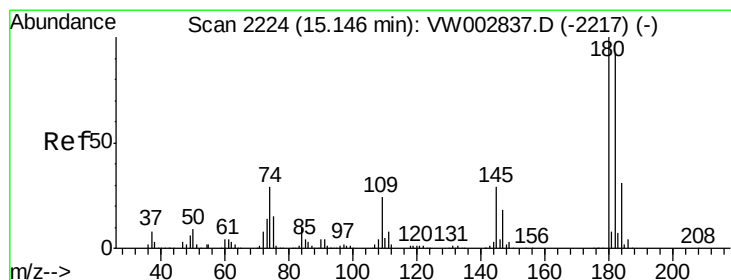
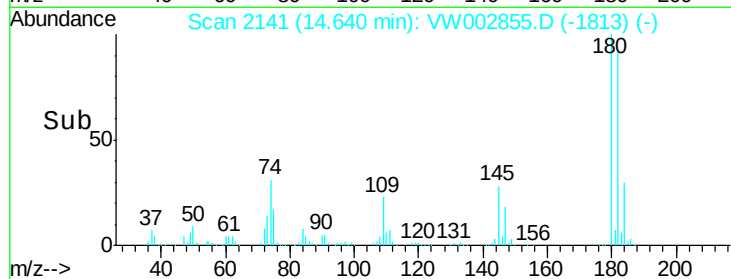
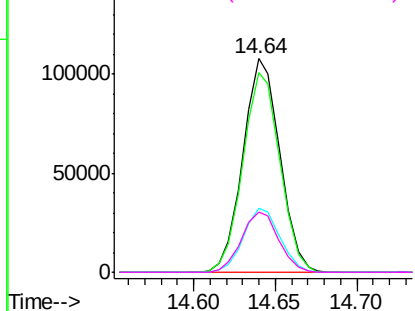


#67
 1,3,5-Trichlorobenzene
 Concen: 23.48 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW002855.D
 Acq: 24 May 2018 18:51

Tgt Ion:	180	Resp:	168907
Ion	Ratio	Lower	Upper
180	100		
182	94.2	77.0	115.6
184	29.9	24.3	36.5
145	28.4	23.0	34.6

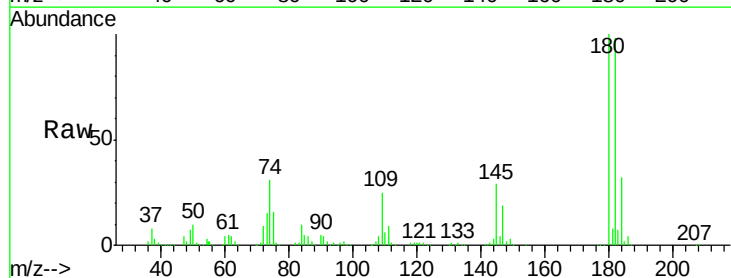


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

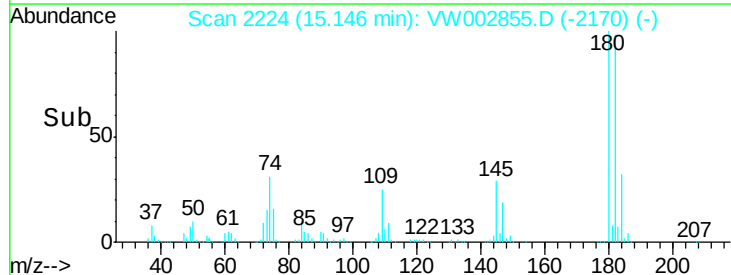
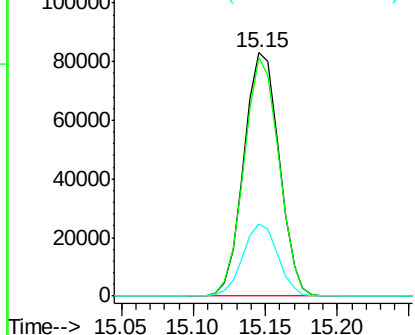


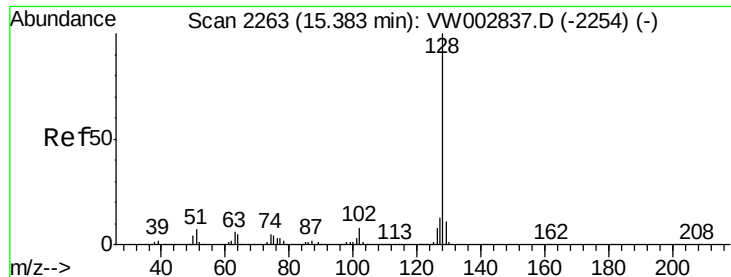
#68
 1,2,4-trichlorobenzene
 Concen: 23.33 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW002855.D
 Acq: 24 May 2018 18:51

Tgt Ion:	180	Resp:	141097
Ion	Ratio	Lower	Upper
180	100		
182	96.7	74.6	112.0
145	29.3	23.1	34.7



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





#69

Naphthalene

Concen: 26.30 ug/L

RT: 15.38 min Scan# 2263

Delta R.T. -0.00 min

Lab File: VW002855.D

Acq: 24 May 2018 18:51

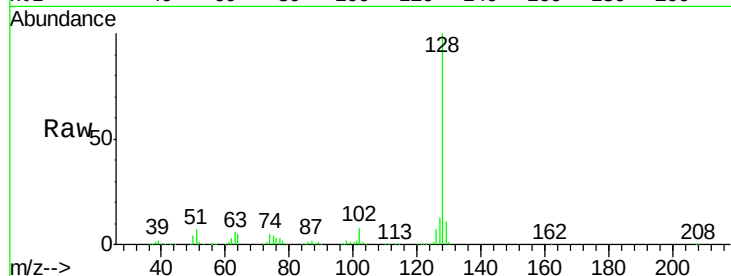
Tgt Ion:128 Resp: 321843

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

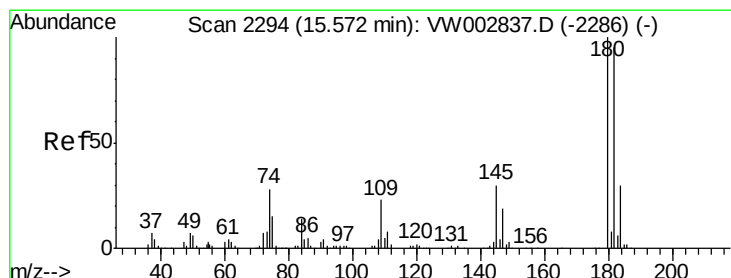
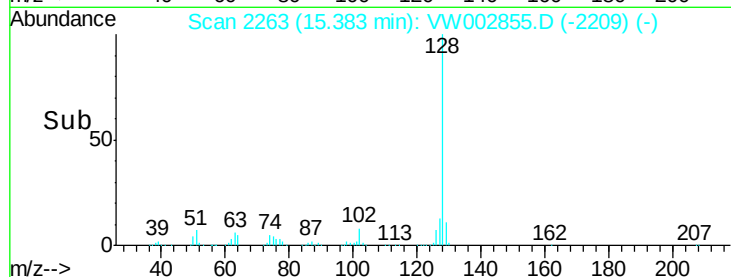
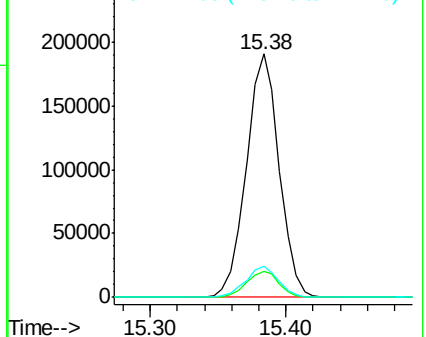
127 12.8 10.6 16.0



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: 24.69 ug/L

RT: 15.57 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VW002855.D

Acq: 24 May 2018 18:51

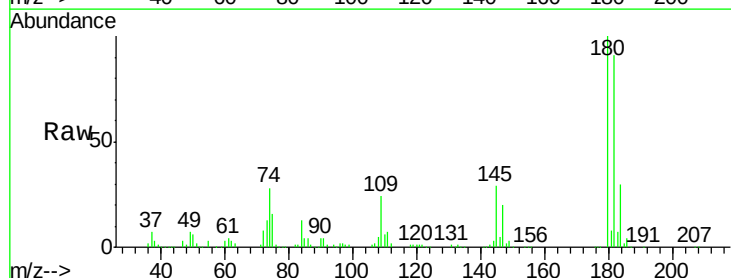
Tgt Ion:180 Resp: 140225

Ion Ratio Lower Upper

180 100

182 93.8 76.7 115.1

145 31.0 24.7 37.1



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

