

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052218\
 Data File : VW002814.D
 Acq On : 23 May 2018 04:57
 Operator : JC/SY
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 06:57:57 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 23 06:53:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	308803	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	297948	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	155263	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	84530	21.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.36%
7) Chloroethane-d5	2.89	69	76136	21.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.96%
10) 1,1-Dichloroethene-d2	4.01	63	151201	21.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.16%
20) 2-Butanone-d5	7.08	46	78740	48.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.48%
24) Chloroform-d	7.65	84	177743	24.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.04%
26) 1,2-Dichloroethane-d4	8.31	65	108607	24.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.20%
29) Benzene-d6	8.27	84	329012	23.22	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.88%
33) 1,2-Dichloropropane-d6	9.28	67	107679	23.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.04%
37) Toluene-d8	10.33	98	321850	23.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.08%
38) trans-1,3-Dichloropropene-	10.59	79	47500	21.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.76%
39) 2-Hexanone-d5	10.93	63	64945	49.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.96%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	120258	23.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.84%
61) 1,2-Dichlorobenzene-d4	13.87	152	136148	23.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.44%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	37446	20.32	ug/L	92
3) Chloromethane	2.21	50	76947	24.14	ug/L	98
5) Vinyl chloride	2.36	62	121048	22.33	ug/L	99
6) Bromomethane	2.78	94	83401	22.47	ug/L	100
8) Chloroethane	2.92	64	76590	22.20	ug/L	94
9) Trichlorofluoromethane	3.25	101	46269	19.72	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.04	101	86132	22.93	ug/L #	68
12) 1,1-Dichloroethene	4.03	96	83057	22.43	ug/L	97
13) Acetone	4.12	43	51764	36.22	ug/L	99
14) Carbon disulfide	4.37	76	258448	22.66	ug/L	99
15) Methyl Acetate	4.67	43	60419	23.22	ug/L	99
16) Methylene chloride	4.91	84	91881	23.02	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	168515	24.68	ug/L	99
18) trans-1,2-Dichloroethene	5.41	96	86976	22.44	ug/L	96
19) 1,1-Dichloroethane	6.21	63	160956	23.67	ug/L	99
21) 2-Butanone	7.18	43	80938	42.79	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	98691	23.26	ug/L	98

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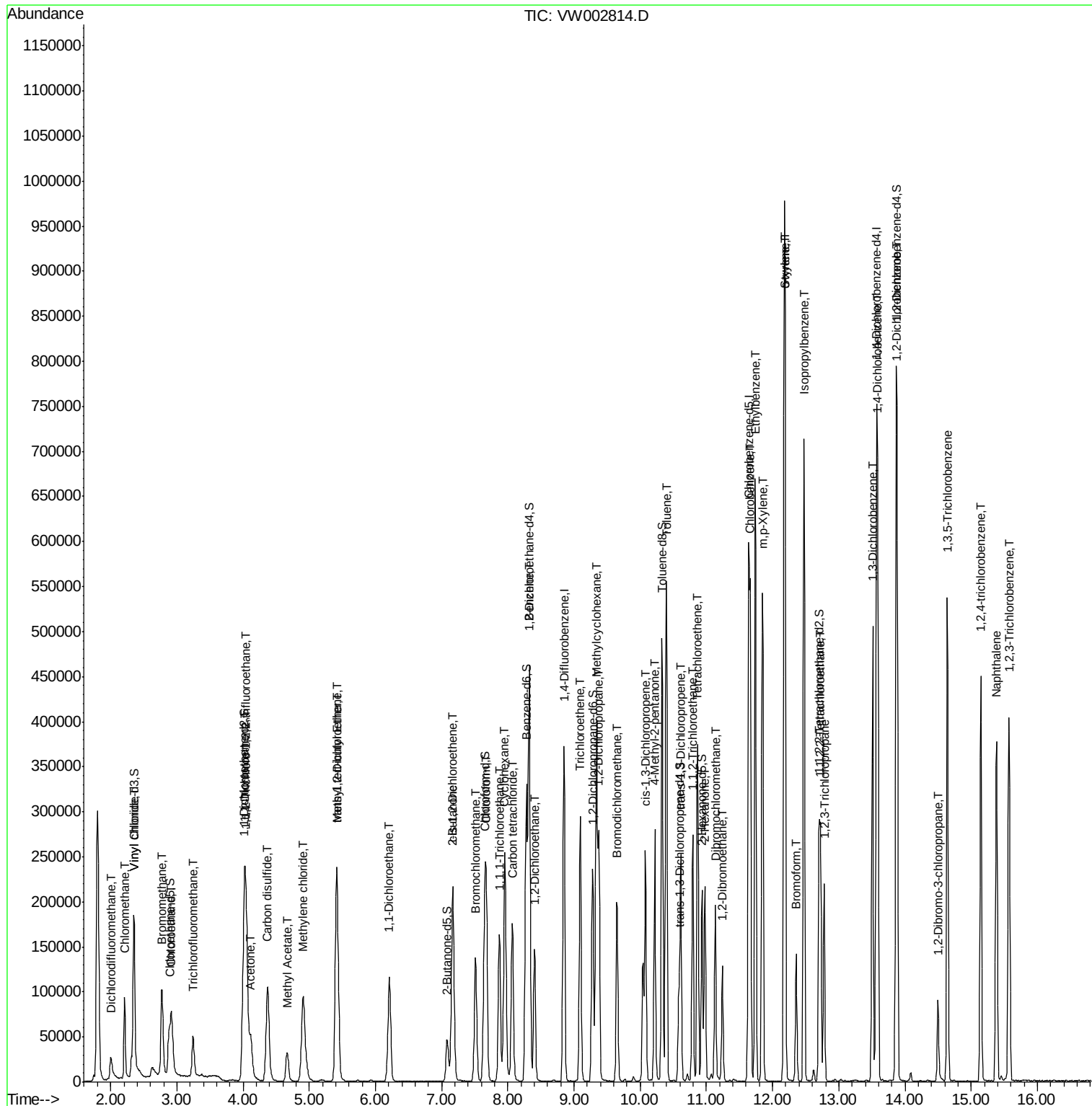
Quant Time: May 23 06:57:57 2018
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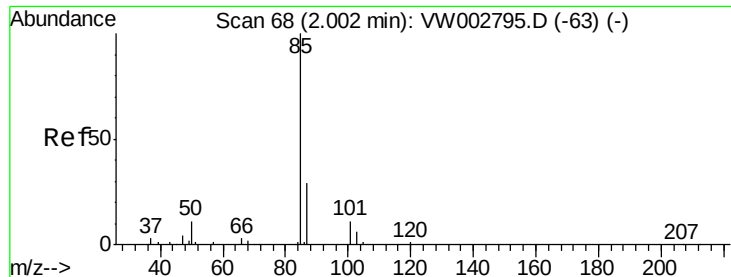
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	49290	23.84	ug/L	96
25) Chloroform	7.68	83	172813	23.51	ug/L	99
27) 1,2-Dichloroethane	8.40	62	129667	24.21	ug/L	99
30) Cyclohexane	7.95	56	138856	22.03	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	128247	22.25	ug/L	99
32) Carbon tetrachloride	8.07	117	126213	21.86	ug/L	99
34) Benzene	8.32	78	372208	23.02	ug/L	100
35) Trichloroethene	9.09	95	100268	22.69	ug/L	98
36) Methylcyclohexane	9.34	83	161730	22.16	ug/L	99
40) 1,2-Dichloropropane	9.37	63	95248	22.73	ug/L	99
41) Bromodichloromethane	9.65	83	127254	23.29	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	139748	21.68	ug/L	100
43) 4-Methyl-2-pentanone	10.22	43	177032	46.93	ug/L	99
44) Toluene	10.40	91	408323	23.17	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	127539	21.70	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	81576	23.50	ug/L	95
47) Tetrachloroethene	10.87	164	83286	21.79	ug/L	97
49) 2-Hexanone	10.98	43	129012	46.33	ug/L	98
50) Dibromochloromethane	11.13	129	97662	23.30	ug/L	97
51) 1,2-Dibromoethane	11.24	107	82972	23.52	ug/L	97
52) Chlorobenzene	11.66	112	268095	22.95	ug/L	99
53) Ethylbenzene	11.74	91	451449	22.80	ug/L	99
54) m,p-Xylene	11.85	106	171131	22.70	ug/L	99
55) o-xylene	12.18	106	164840	23.01	ug/L	94
56) Styrene	12.19	104	295044	23.51	ug/L	94
57) Isopropylbenzene	12.48	105	439197	22.46	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.73	83	113414	23.19	ug/L	98
59) 1,2,3-Trichloropropane	12.78	75	86414	23.48	ug/L	100
62) Bromoform	12.36	173	64333	23.63	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	209174	22.60	ug/L	98
64) 1,4-Dichlorobenzene	13.59	146	219875	22.66	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	211468	23.52	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.50	75	20820	23.55	ug/L	90
67) 1,3,5-Trichlorobenzene	14.64	180	161522	21.68	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	141325	22.56	ug/L	99
69) Naphthalene	15.38	128	316390	24.96	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	139471	23.72	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 20.32 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW002814.D

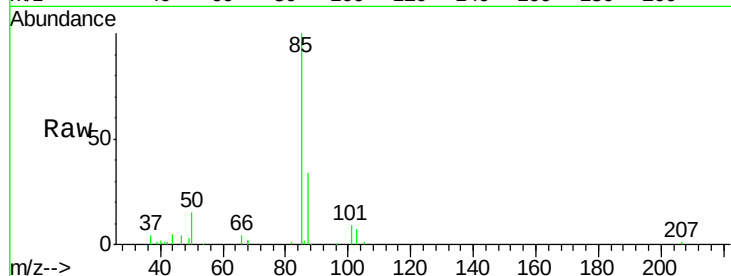
Acq: 23 May 2018 04:57

Tgt Ion: 85 Resp: 37446

Ion Ratio Lower Upper

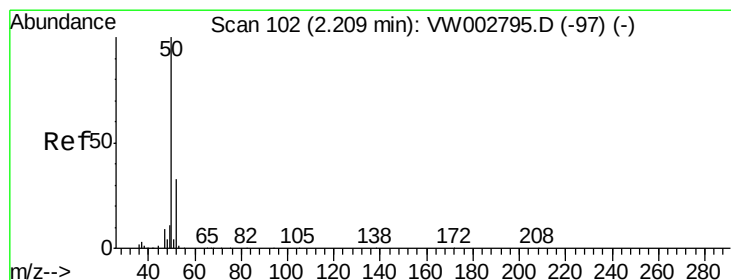
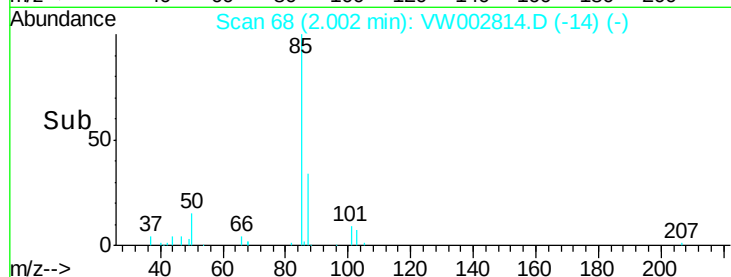
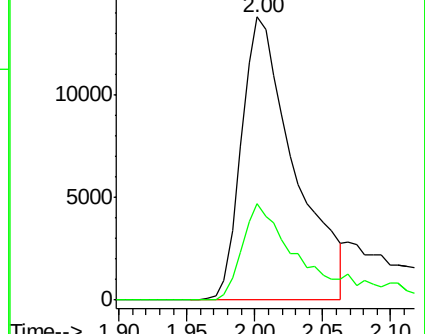
85 100

87 33.4 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: 24.14 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW002814.D

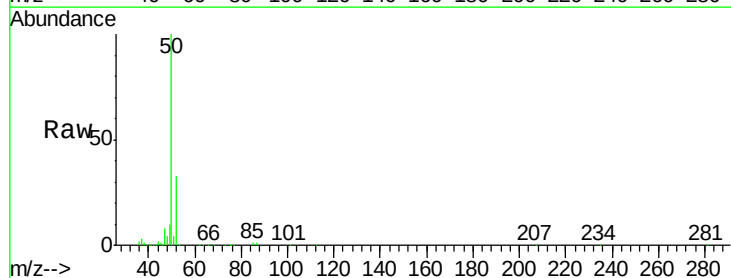
Acq: 23 May 2018 04:57

Tgt Ion: 50 Resp: 76947

Ion Ratio Lower Upper

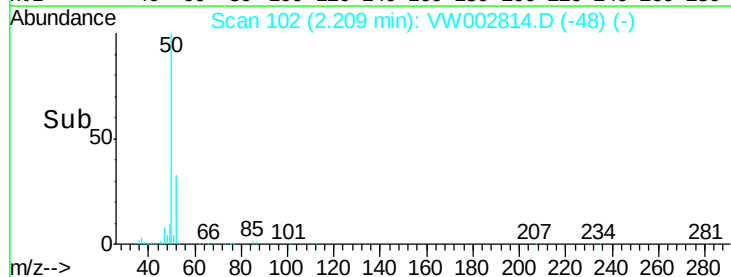
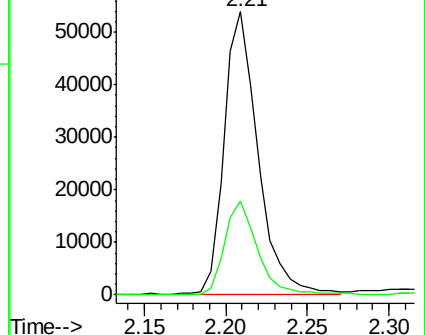
50 100

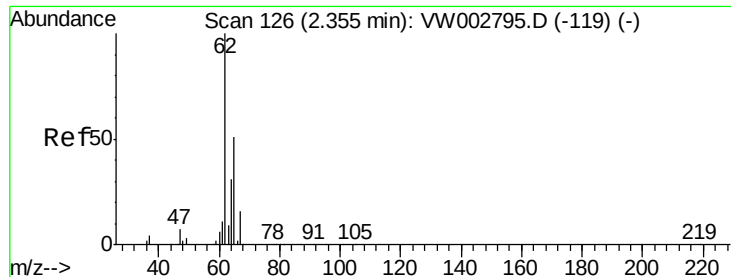
52 33.2 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 22.33 ug/L

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW002814.D

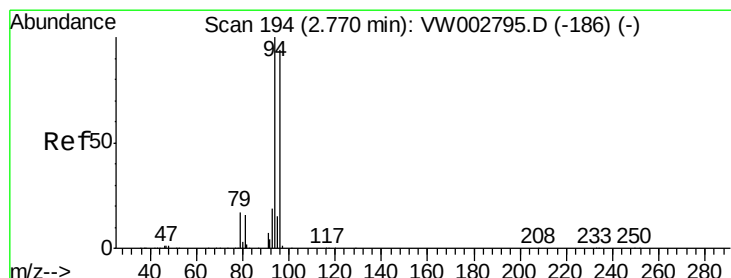
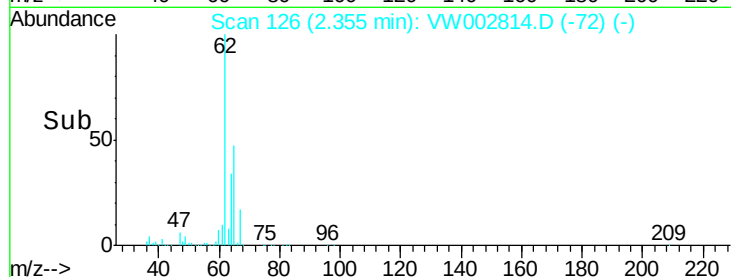
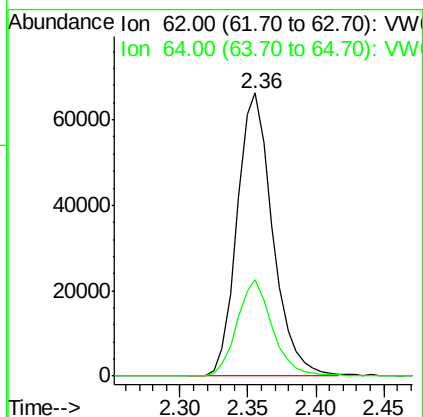
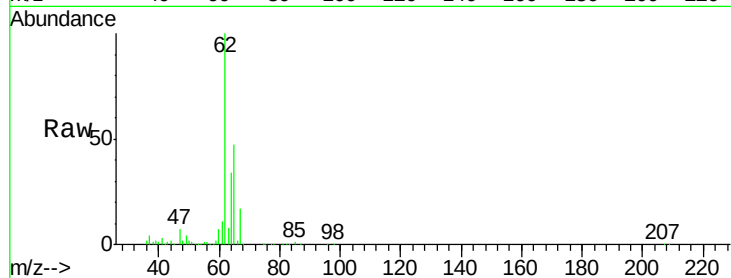
Acq: 23 May 2018 04:57

Tgt Ion: 62 Resp: 121048

Ion Ratio Lower Upper

62 100

64 33.9 23.2 43.2



#6

Bromomethane

Concen: 22.47 ug/L

RT: 2.78 min Scan# 195

Delta R.T. 0.01 min

Lab File: VW002814.D

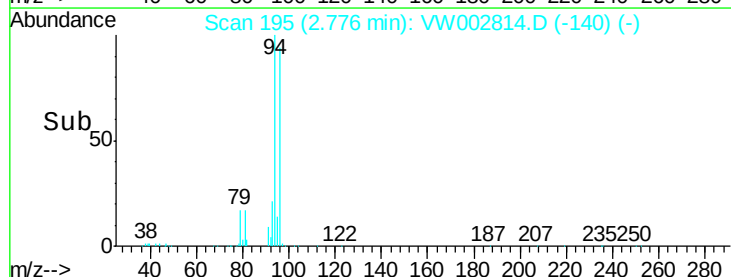
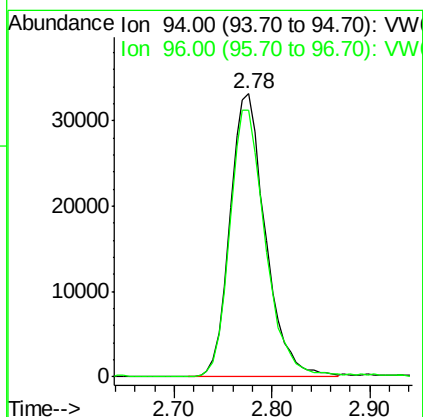
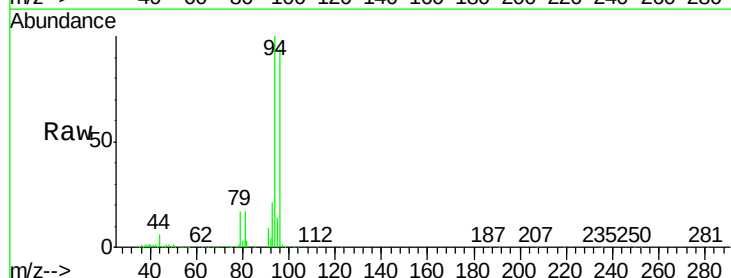
Acq: 23 May 2018 04:57

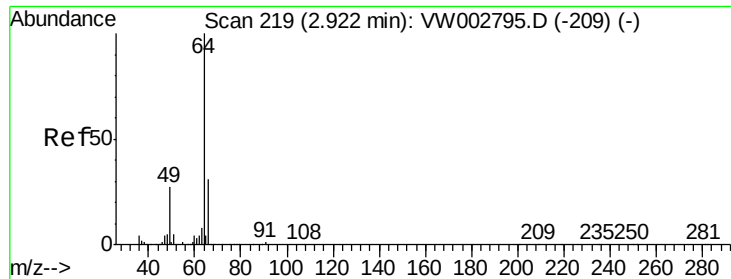
Tgt Ion: 94 Resp: 83401

Ion Ratio Lower Upper

94 100

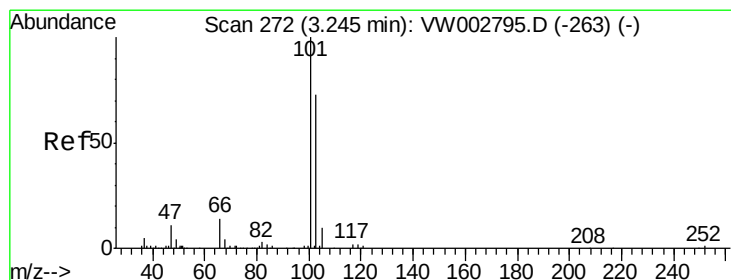
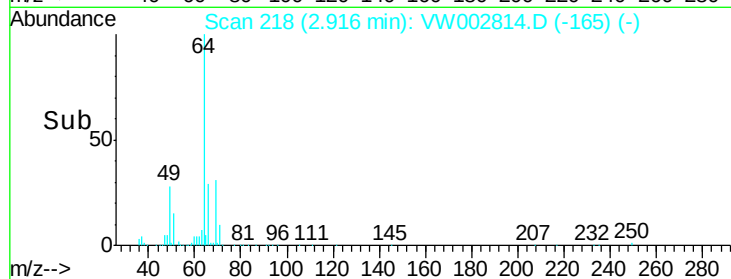
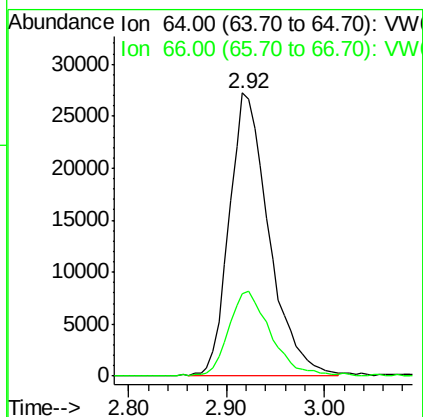
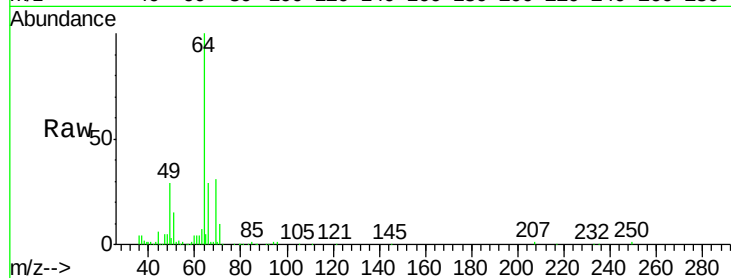
96 94.3 9.4 178.6





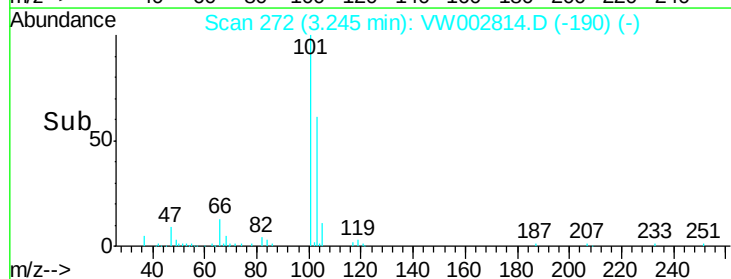
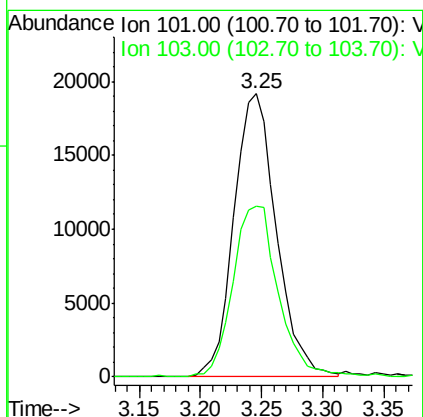
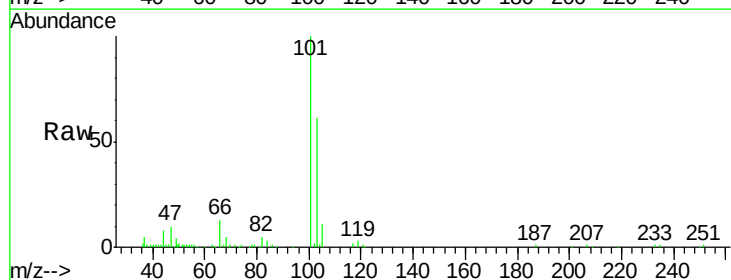
#8
Chloroethane
Concen: 22.20 ug/L
RT: 2.92 min Scan# 218
Delta R.T. -0.01 min
Lab File: VW002814.D
Acq: 23 May 2018 04:57

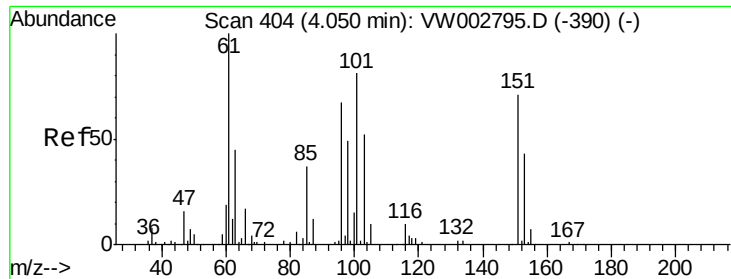
Tgt Ion: 64 Resp: 76590
Ion Ratio Lower Upper
64 100
66 29.1 22.7 42.1



#9
Trichlorofluoromethane
Concen: 19.72 ug/L
RT: 3.25 min Scan# 272
Delta R.T. 0.00 min
Lab File: VW002814.D
Acq: 23 May 2018 04:57

Tgt Ion: 101 Resp: 46269
Ion Ratio Lower Upper
101 100
103 64.5 45.4 84.4





#11

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

Concen: 22.93 ug/L

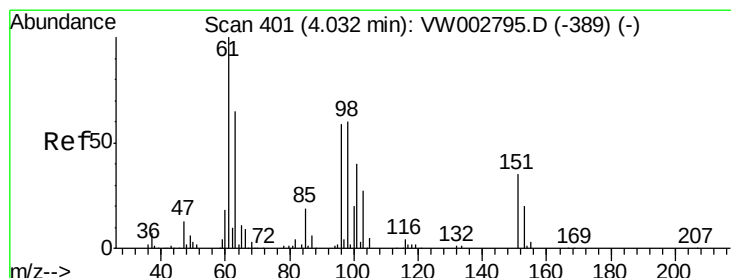
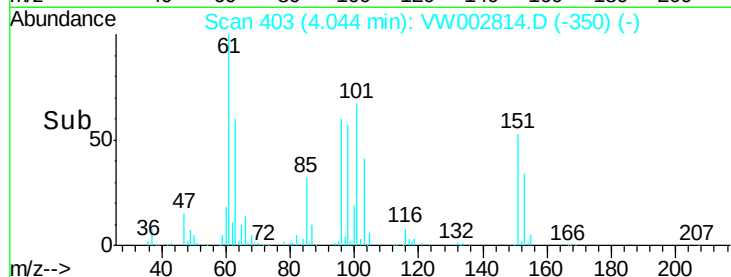
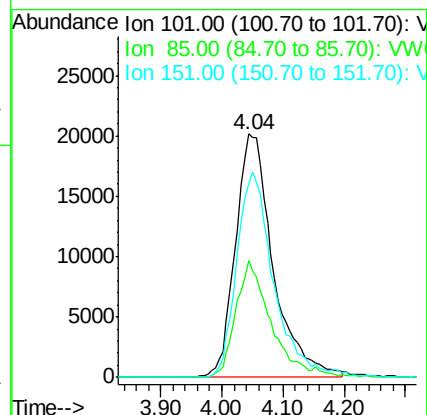
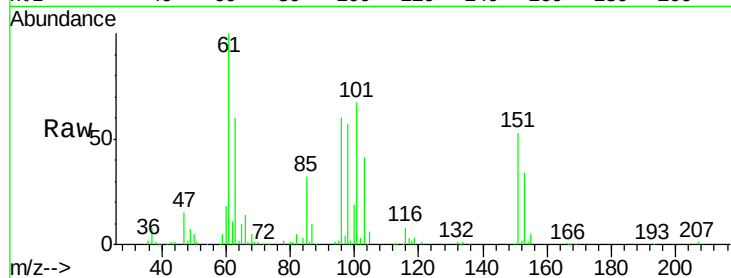
RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW002814.D

Acq: 23 May 2018 04:57

Tgt Ion:	101	Resp:	86132
Ion	Ratio	Lower	Upper
101	100		
85	41.4	34.8	52.2
151	81.7	34.2	51.4#



#12

1,1-Dichloroethene

Concen: 22.43 ug/L

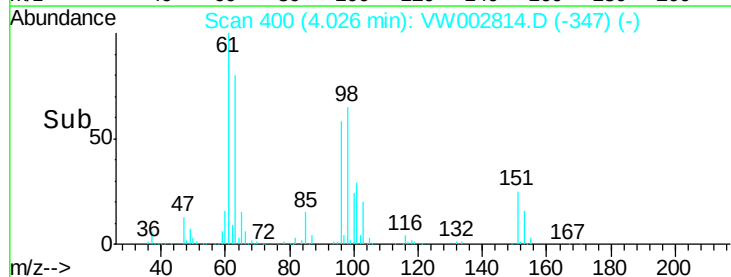
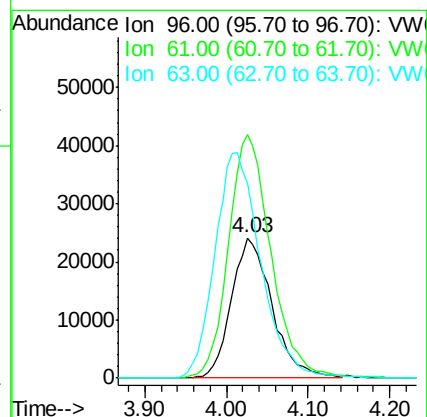
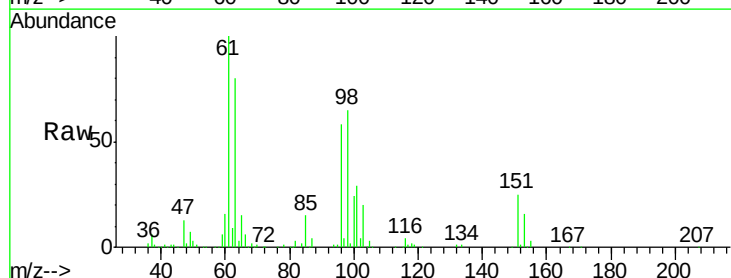
RT: 4.03 min Scan# 400

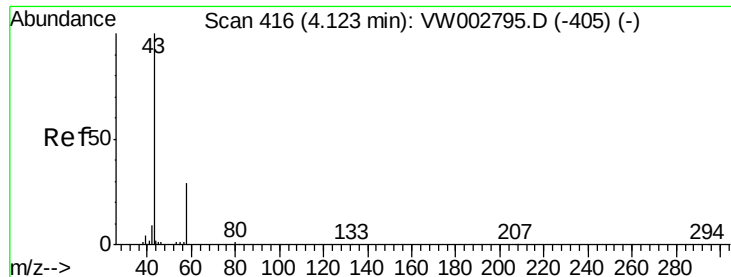
Delta R.T. -0.01 min

Lab File: VW002814.D

Acq: 23 May 2018 04:57

Tgt Ion:	96	Resp:	83057
Ion	Ratio	Lower	Upper
96	100		
61	173.4	118.9	220.9
63	139.1	100.4	186.4





#13

Acetone

Concen: 36.22 ug/L

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW002814.D

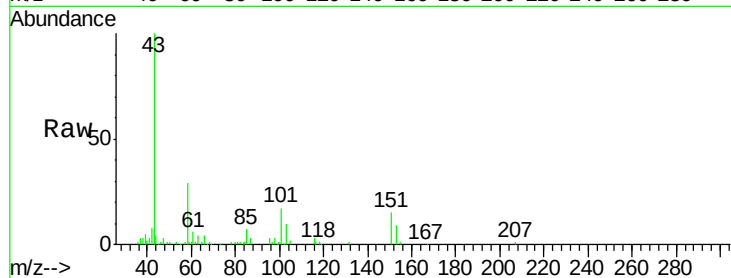
Acq: 23 May 2018 04:57

Tgt Ion: 43 Resp: 51764

Ion Ratio Lower Upper

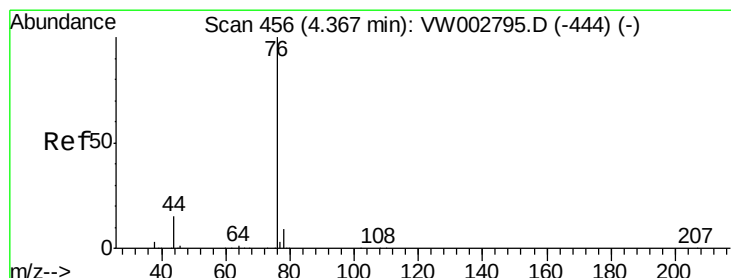
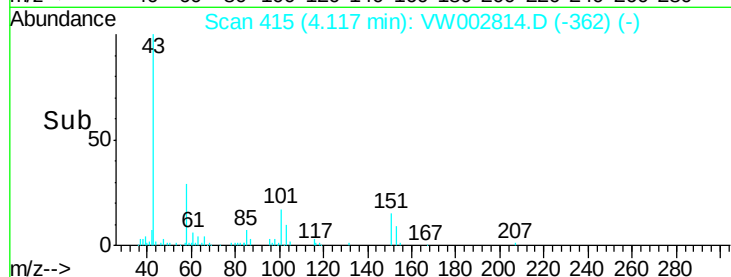
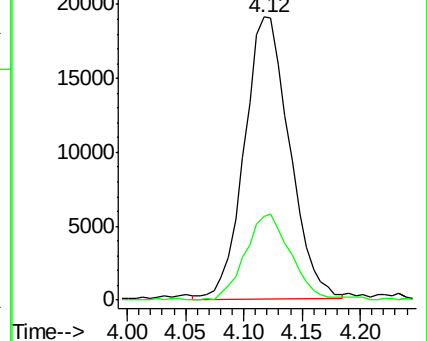
43 100

58 30.3 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: 22.66 ug/L

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW002814.D

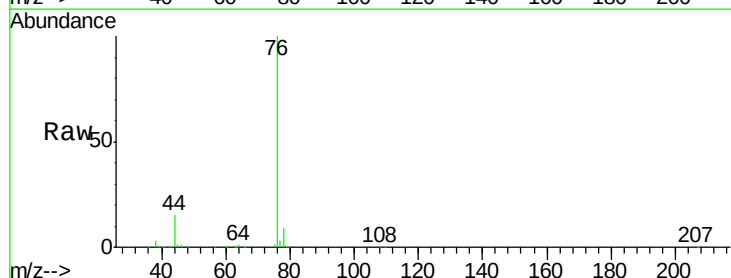
Acq: 23 May 2018 04:57

Tgt Ion: 76 Resp: 258448

Ion Ratio Lower Upper

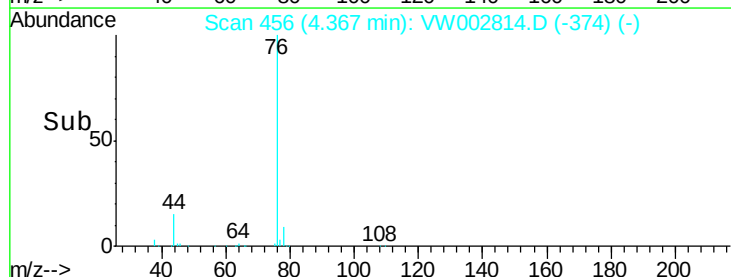
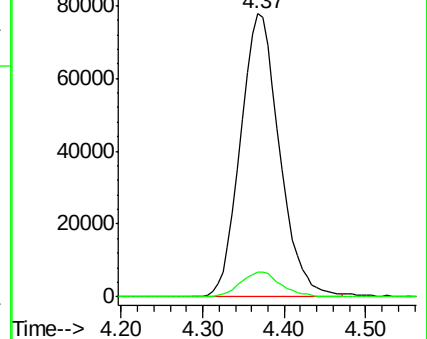
76 100

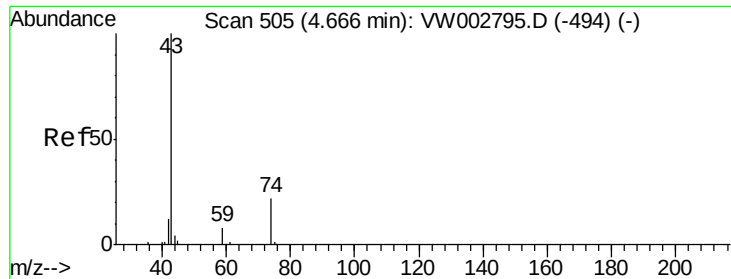
78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VW

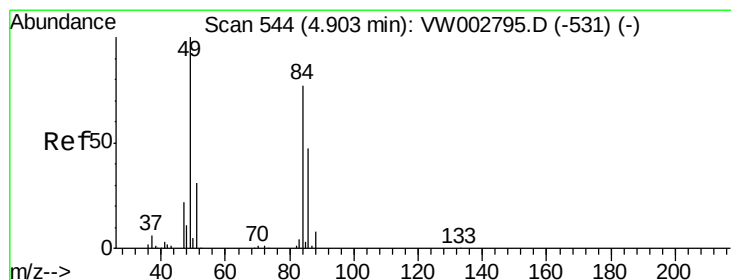
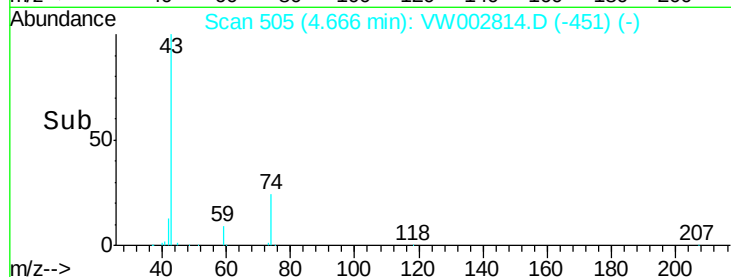
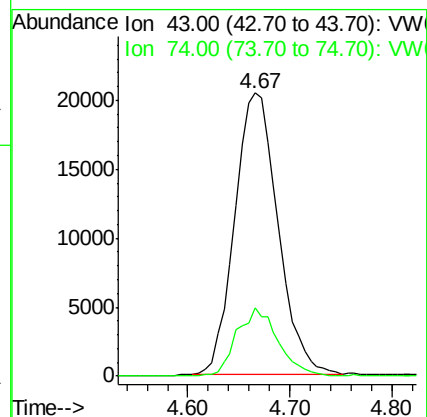
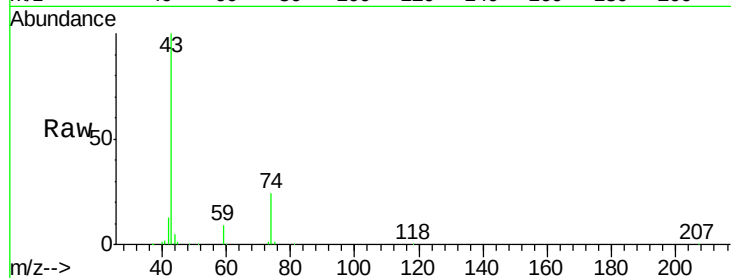
Ion 78.00 (77.70 to 78.70): VW





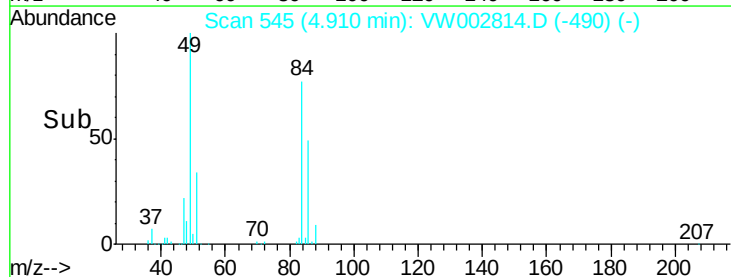
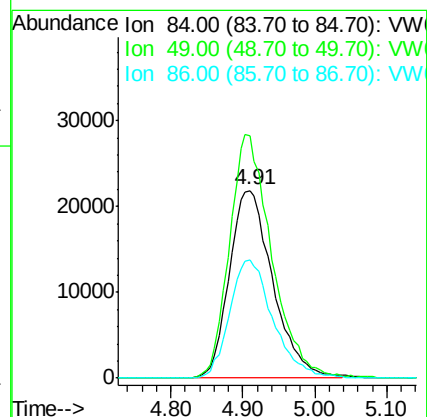
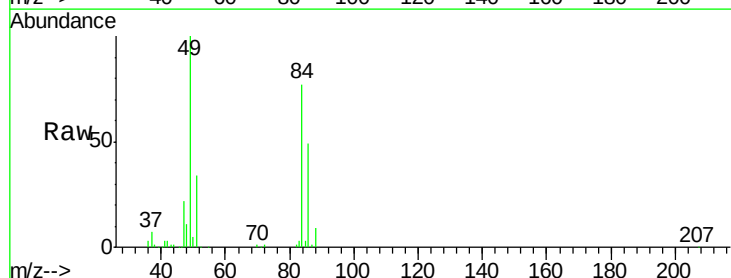
#15
Methyl Acetate
Concen: 23.22 ug/L
RT: 4.67 min Scan# 505
Delta R.T. 0.00 min
Lab File: VW002814.D
Acq: 23 May 2018 04:57

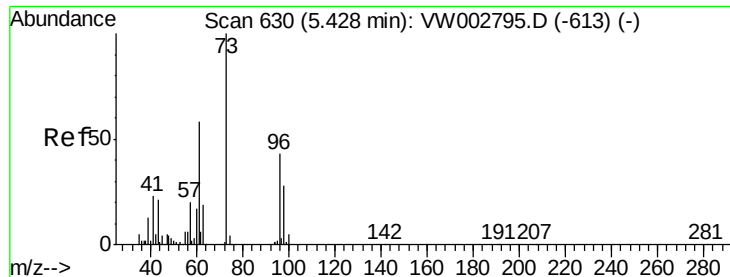
Tgt Ion: 43 Resp: 60419
Ion Ratio Lower Upper
43 100
74 23.0 18.8 28.2



#16
Methylene chloride
Concen: 23.02 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.01 min
Lab File: VW002814.D
Acq: 23 May 2018 04:57

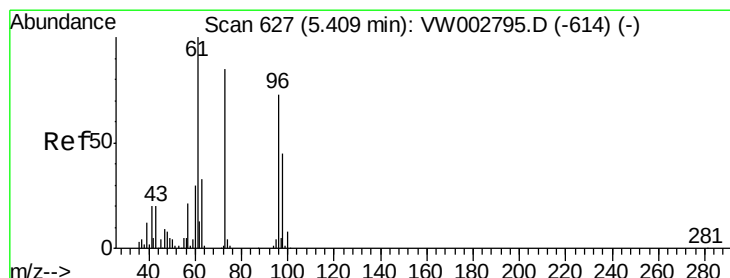
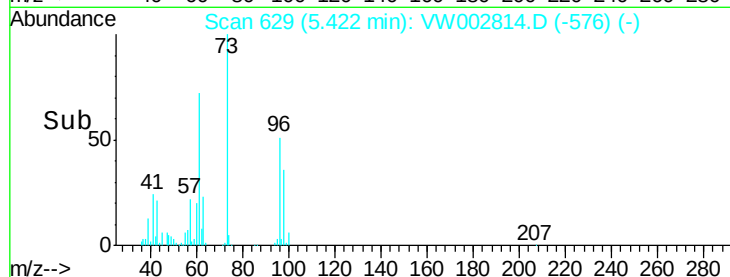
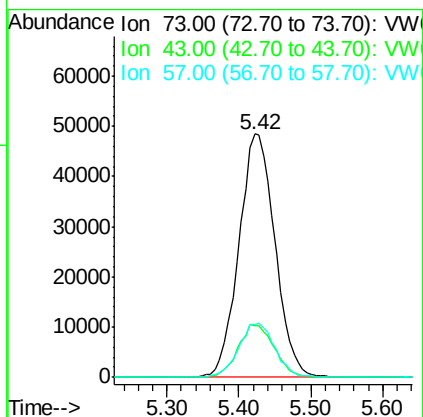
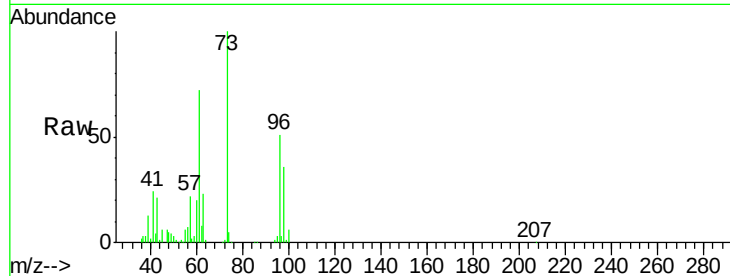
Tgt Ion: 84 Resp: 91881
Ion Ratio Lower Upper
84 100
49 129.1 89.2 165.6
86 62.9 46.3 86.1





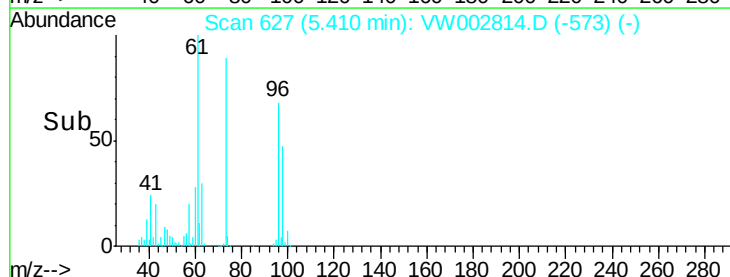
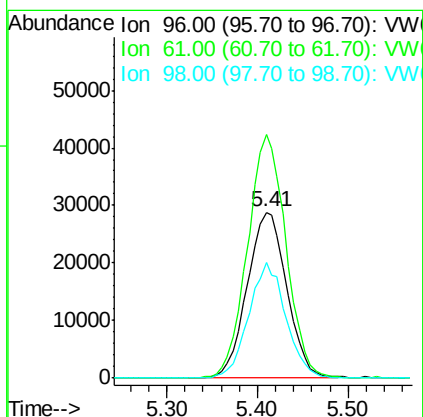
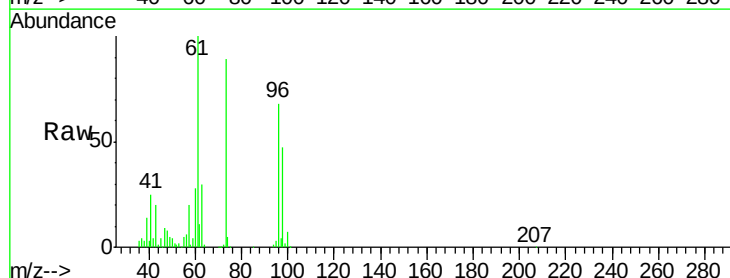
#17
Methyl tert-butyl Ether
Concen: 24.68 ug/L
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW002814.D
Acq: 23 May 2018 04:57

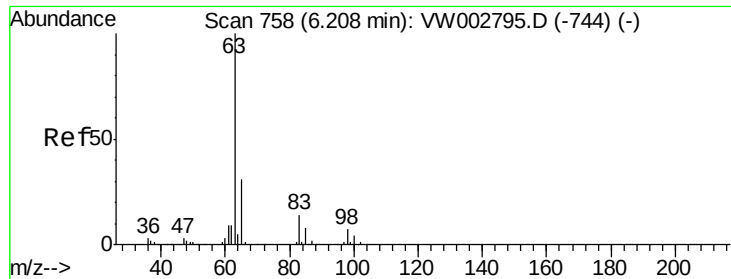
Tgt Ion:	73	Resp:	168515
Ion	Ratio	Lower	Upper
73	100		
43	21.9	17.3	25.9
57	22.4	17.5	26.3



#18
trans-1,2-Dichloroethene
Concen: 22.44 ug/L
RT: 5.41 min Scan# 627
Delta R.T. 0.00 min
Lab File: VW002814.D
Acq: 23 May 2018 04:57

Tgt Ion:	96	Resp:	86976
Ion	Ratio	Lower	Upper
96	100		
61	146.9	100.0	185.8
98	69.5	45.6	84.8





#19

1,1-Dichloroethane

Concen: 23.67 ug/L

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW002814.D

Acq: 23 May 2018 04:57

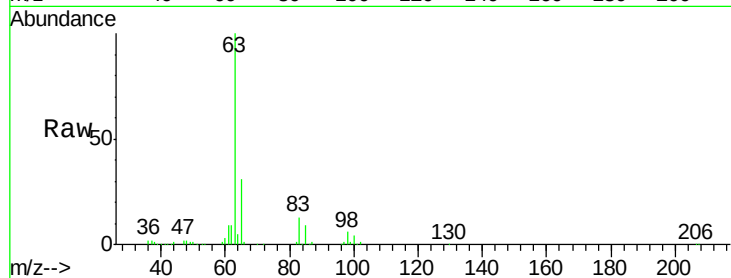
Tgt Ion: 63 Resp: 160956

Ion Ratio Lower Upper

63 100

65 31.2 21.8 40.4

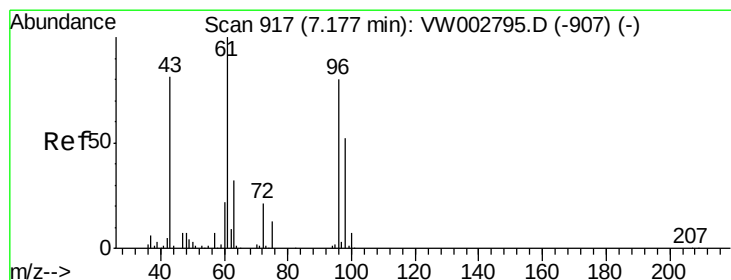
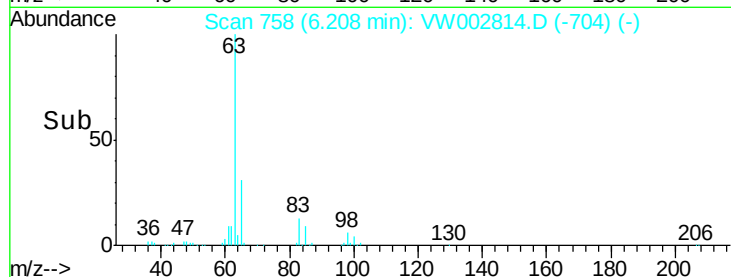
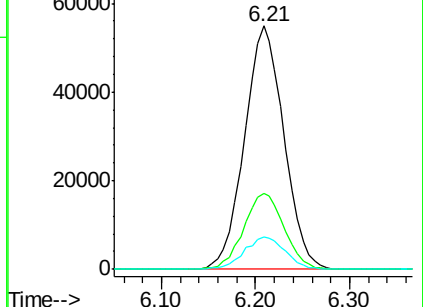
83 13.1 10.1 18.9



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: 42.79 ug/L

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW002814.D

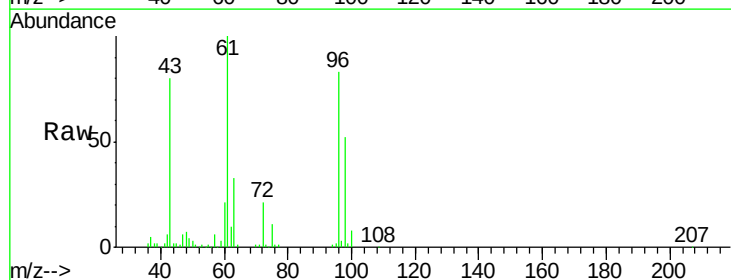
Acq: 23 May 2018 04:57

Tgt Ion: 43 Resp: 80938

Ion Ratio Lower Upper

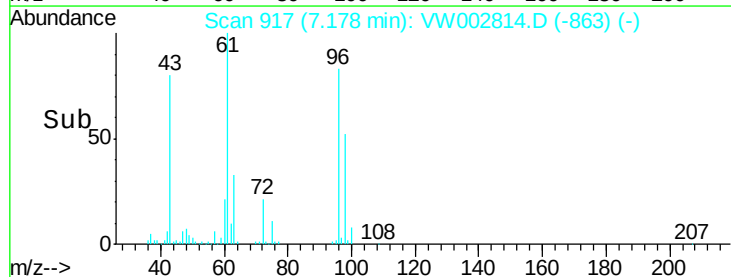
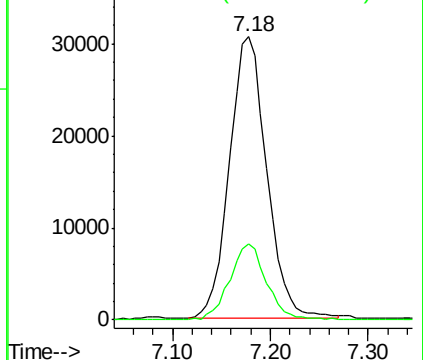
43 100

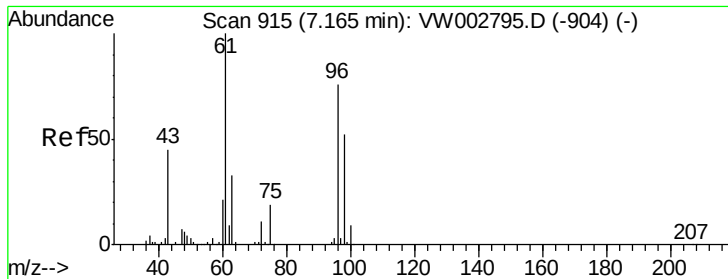
72 26.3 13.7 41.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

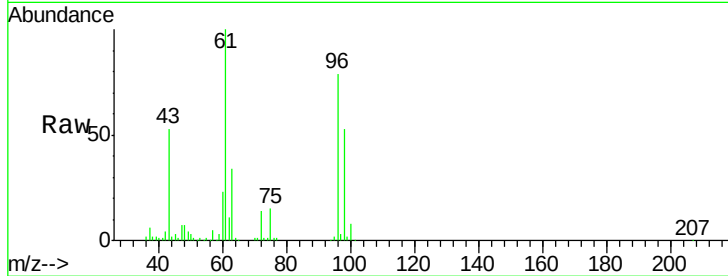




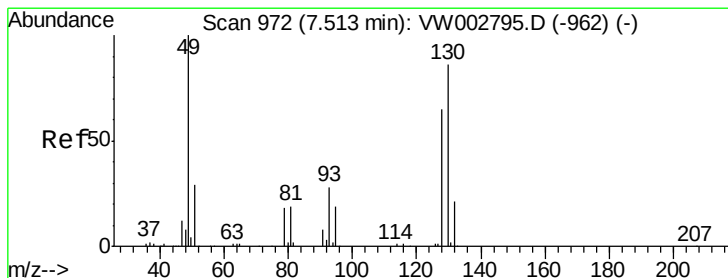
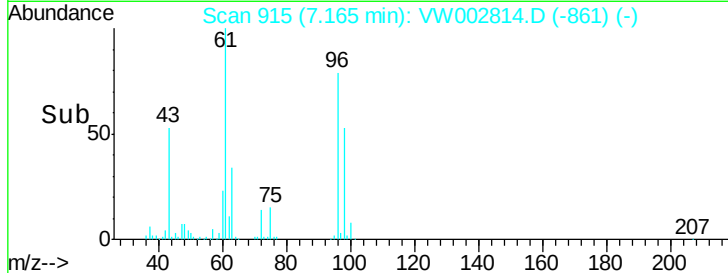
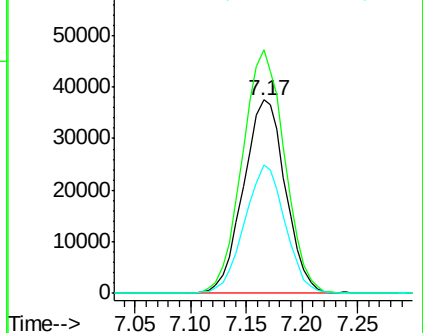
#22

cis-1,2-Dichloroethene
Concen: 23.26 ug/L
RT: 7.17 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW002814.D
Acq: 23 May 2018 04:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.8	88.1	163.7
98	66.5	43.9	81.5



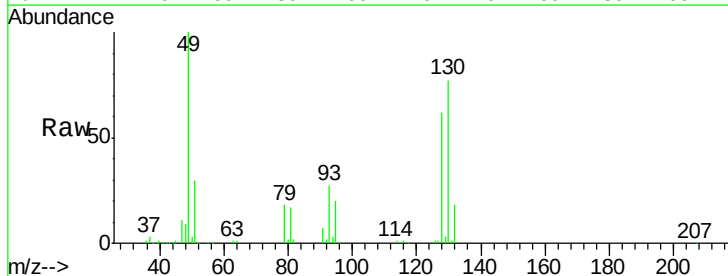
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



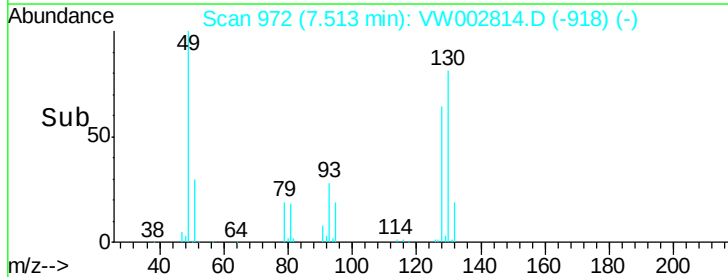
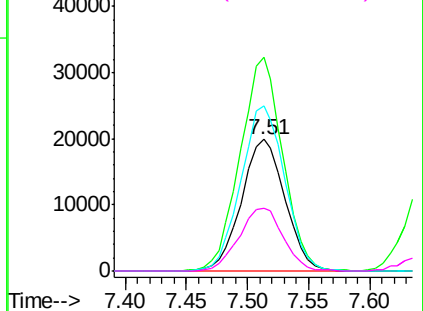
#23

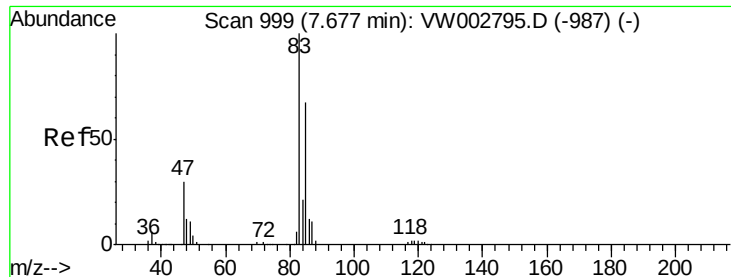
Bromochloromethane
Concen: 23.84 ug/L
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW002814.D
Acq: 23 May 2018 04:57

Tgt Ion	Ratio	Lower	Upper
128	100		
49	162.6	107.7	199.9
130	125.3	86.5	160.7
51	48.2	39.2	58.8



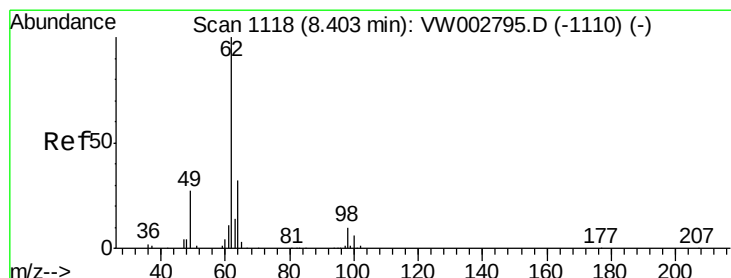
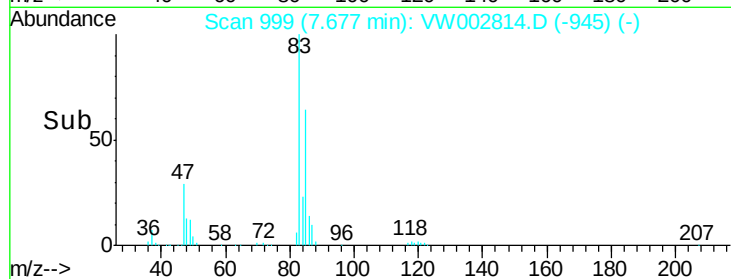
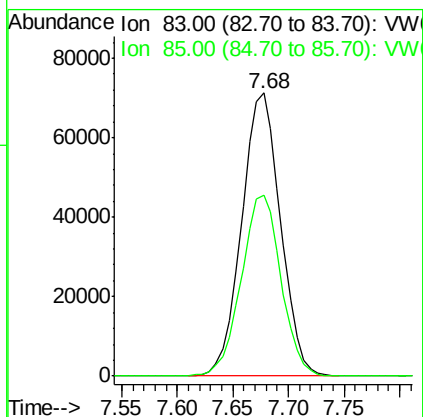
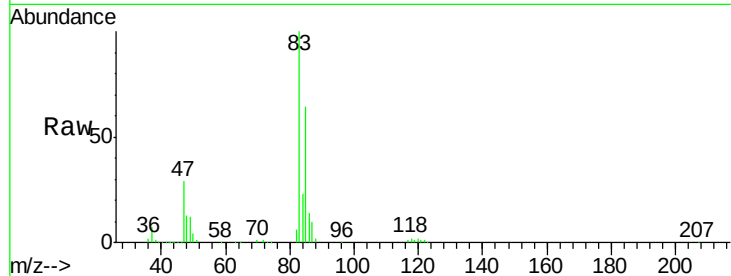
Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW





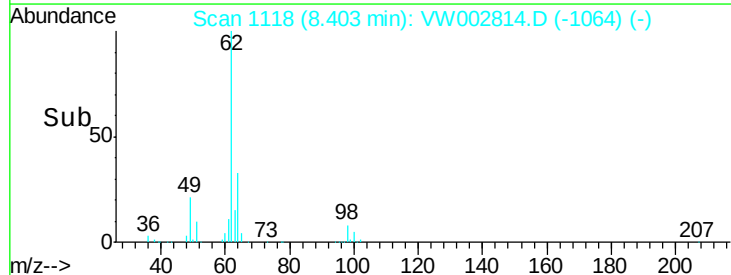
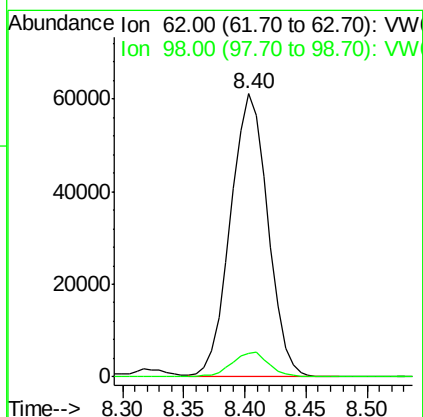
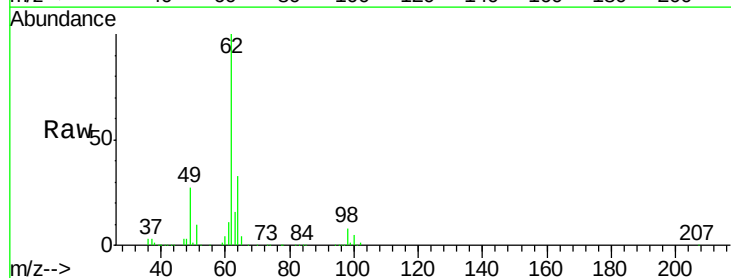
#25
Chloroform
Concen: 23.51 ug/L
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW002814.D
Acq: 23 May 2018 04:57

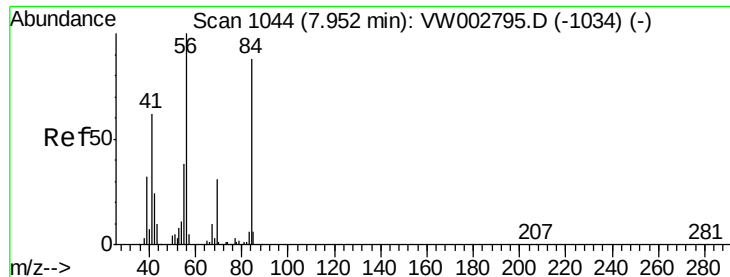
Tgt Ion: 83 Resp: 172813
Ion Ratio Lower Upper
83 100
85 65.5 46.6 86.6



#27
1,2-Dichloroethane
Concen: 24.21 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW002814.D
Acq: 23 May 2018 04:57

Tgt Ion: 62 Resp: 129667
Ion Ratio Lower Upper
62 100
98 8.2 6.9 10.3





#30

Cyclohexane

Concen: 22.03 ug/L

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW002814.D

Acq: 23 May 2018 04:57

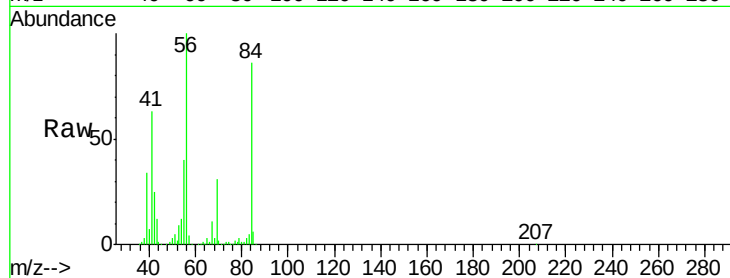
Tgt Ion: 56 Resp: 138856

Ion Ratio Lower Upper

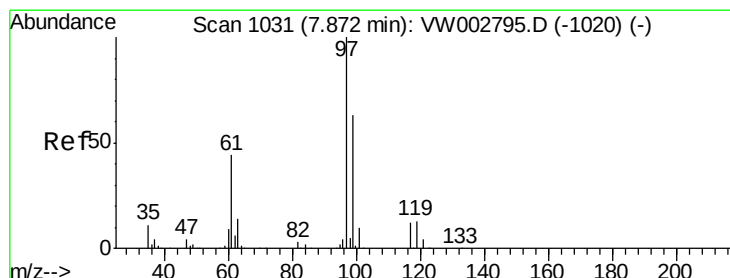
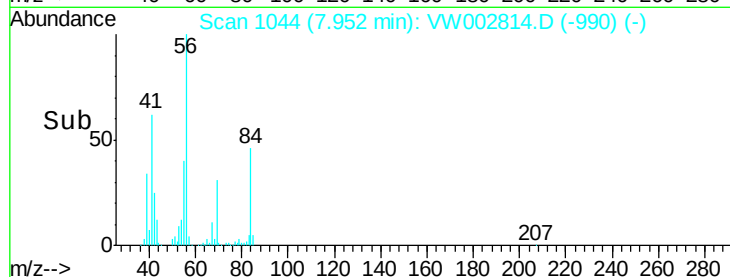
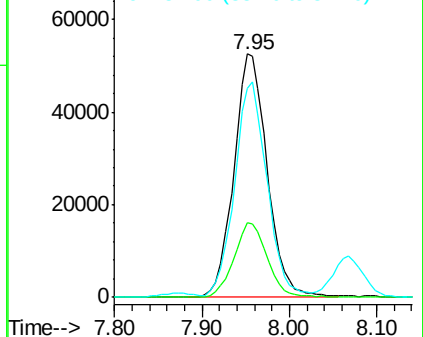
56 100

69 30.5 24.6 36.8

84 86.7 70.2 105.2



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: 22.25 ug/L

RT: 7.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VW002814.D

Acq: 23 May 2018 04:57

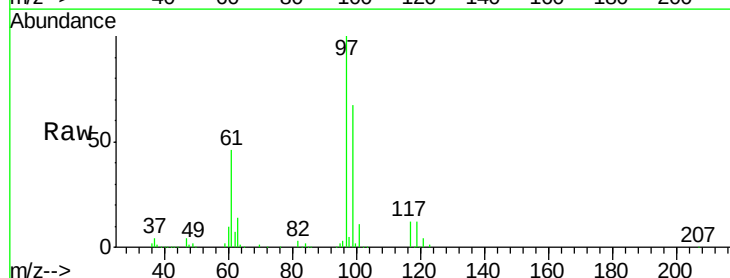
Tgt Ion: 97 Resp: 128247

Ion Ratio Lower Upper

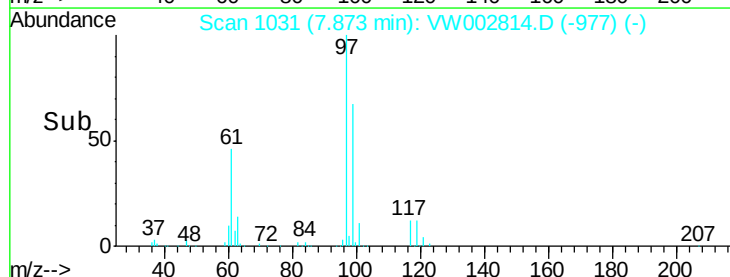
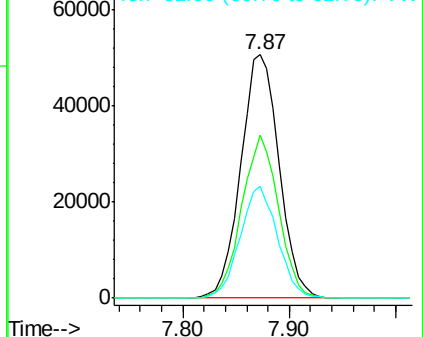
97 100

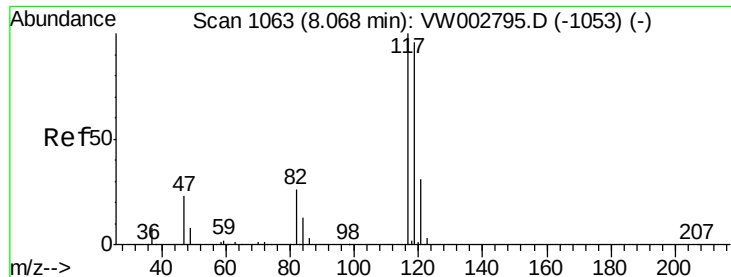
99 64.0 52.1 78.1

61 44.7 35.0 52.4



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: 21.86 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW002814.D

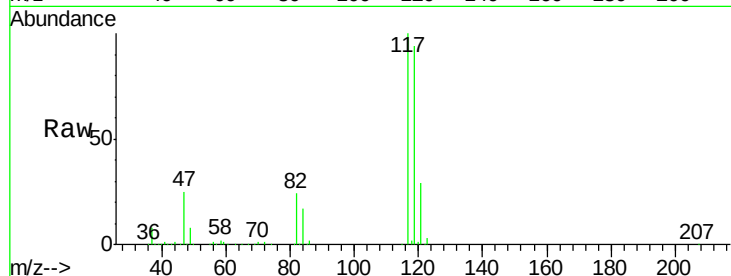
Acq: 23 May 2018 04:57

Tgt Ion: 117 Resp: 126213

Ion Ratio Lower Upper

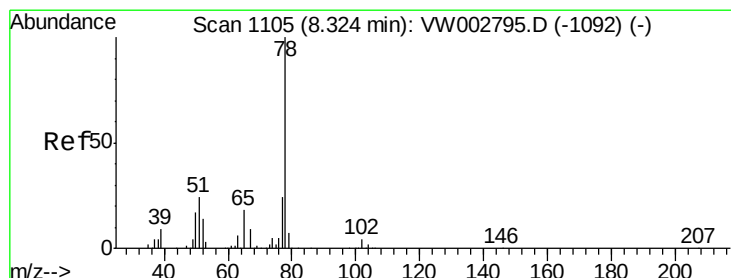
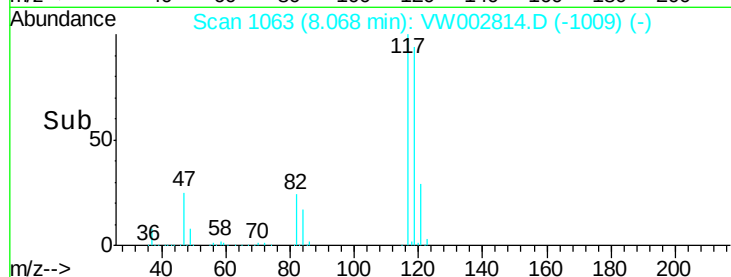
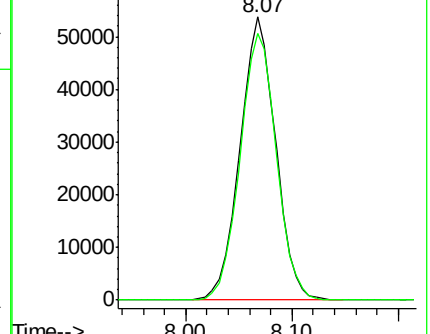
117 100

119 96.0 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: 23.02 ug/L

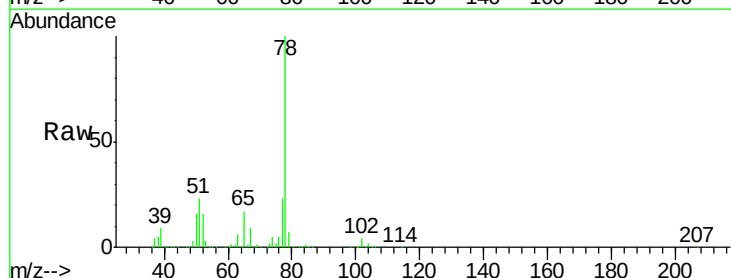
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VW002814.D

Acq: 23 May 2018 04:57

Tgt Ion: 78 Resp: 372208



Abundance Ion 78.00 (77.70 to 78.70): VW

200000

150000

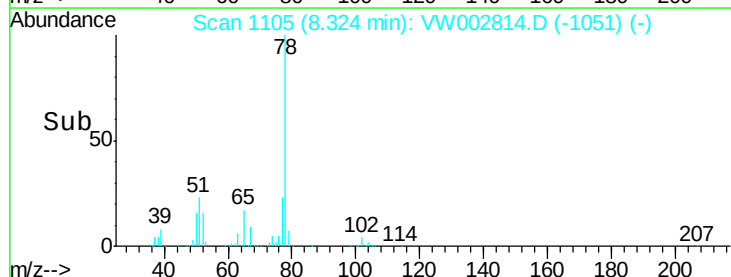
100000

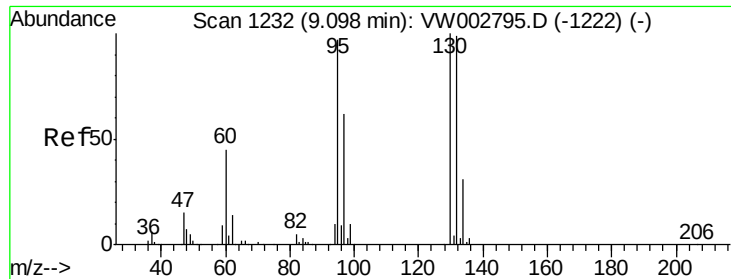
50000

0

8.32

Time-->





#35

Trichloroethene

Concen: 22.69 ug/L

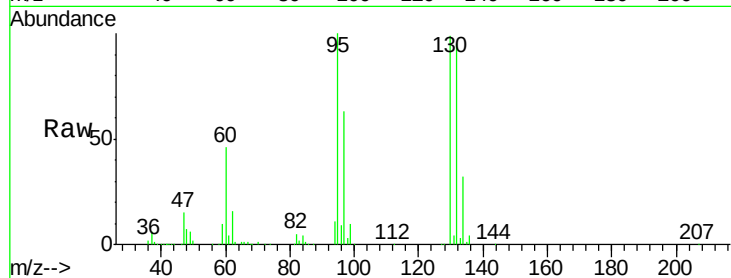
RT: 9.09 min Scan# 1231

Delta R.T. -0.01 min

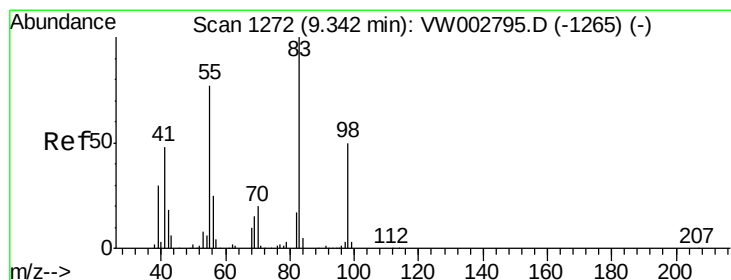
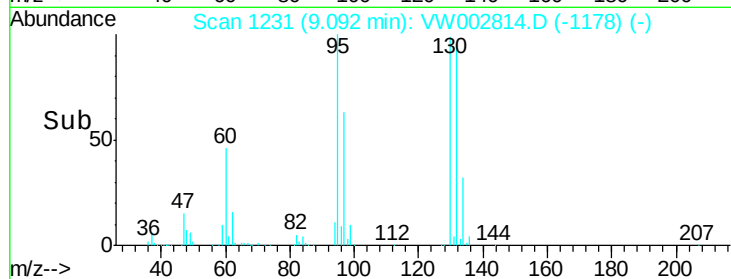
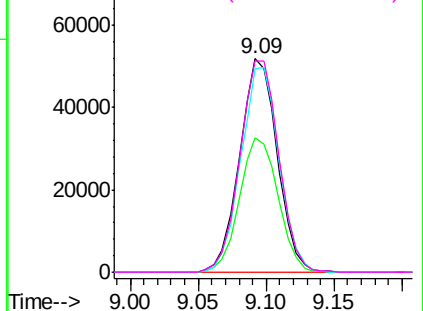
Lab File: VW002814.D

Acq: 23 May 2018 04:57

Tgt Ion:	95	Resp:	100268
Ion	Ratio	Lower	Upper
95	100		
97	64.6	45.3	84.1
132	98.1	71.4	132.6
130	102.5	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: 22.16 ug/L

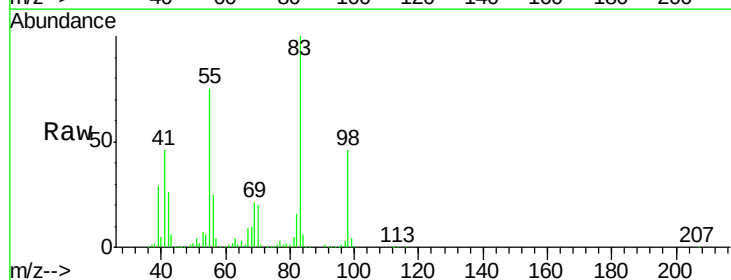
RT: 9.34 min Scan# 1272

Delta R.T. 0.00 min

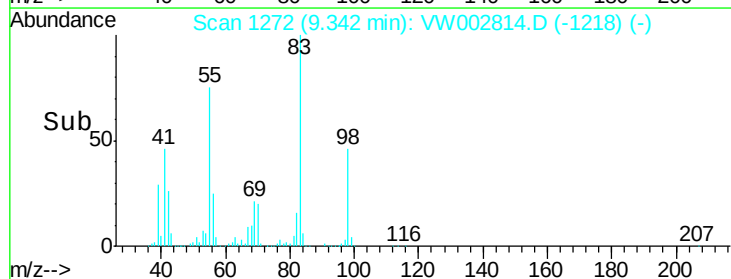
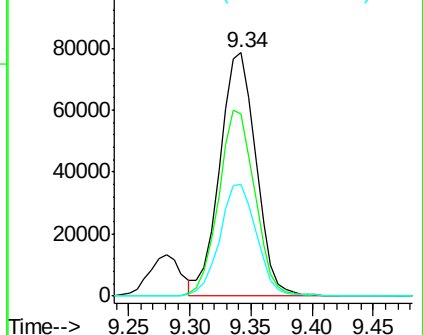
Lab File: VW002814.D

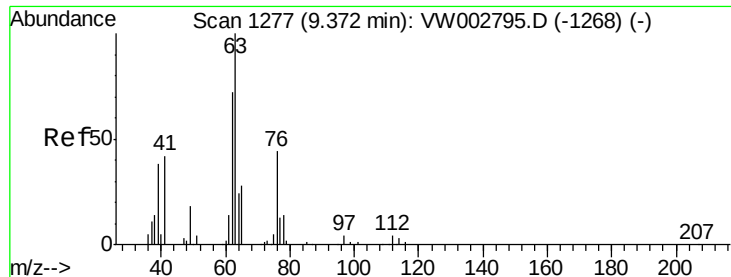
Acq: 23 May 2018 04:57

Tgt Ion:	83	Resp:	161730
Ion	Ratio	Lower	Upper
83	100		
55	75.8	60.5	90.7
98	45.7	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: 22.73 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW002814.D

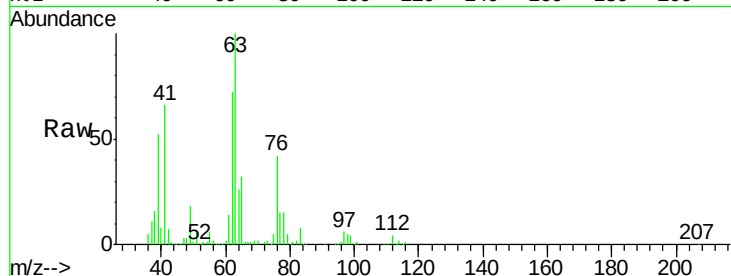
Acq: 23 May 2018 04:57

Tgt Ion: 63 Resp: 95248

Ion Ratio Lower Upper

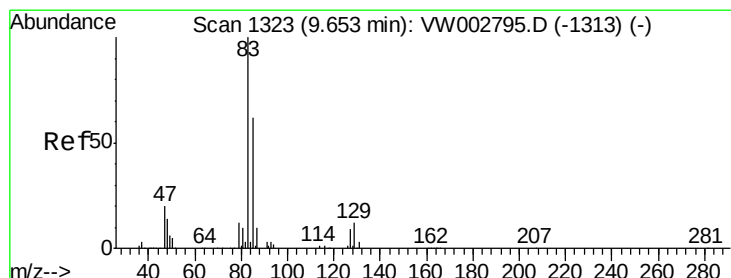
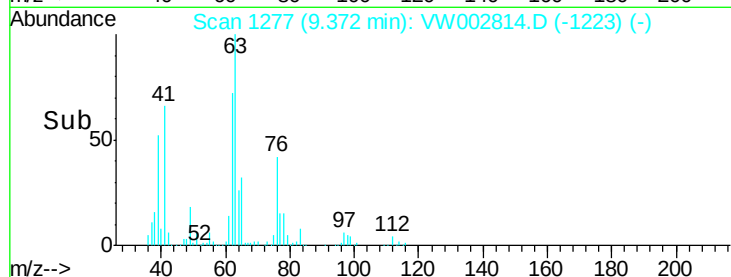
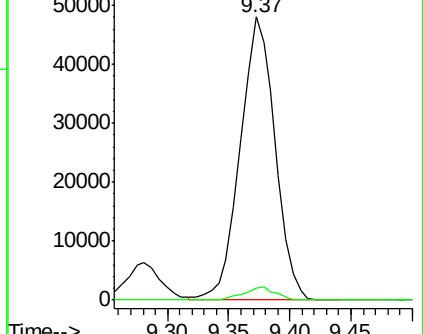
63 100

112 4.4 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: 23.29 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VW002814.D

Acq: 23 May 2018 04:57

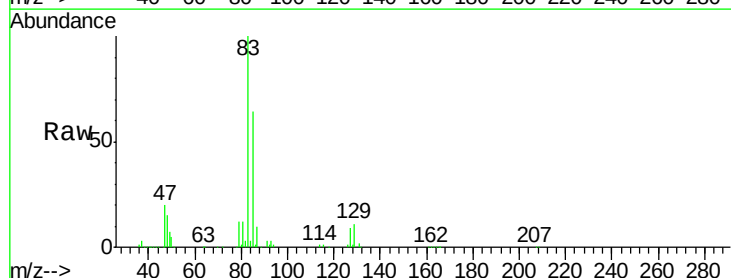
Tgt Ion: 83 Resp: 127254

Ion Ratio Lower Upper

83 100

85 63.5 43.5 80.9

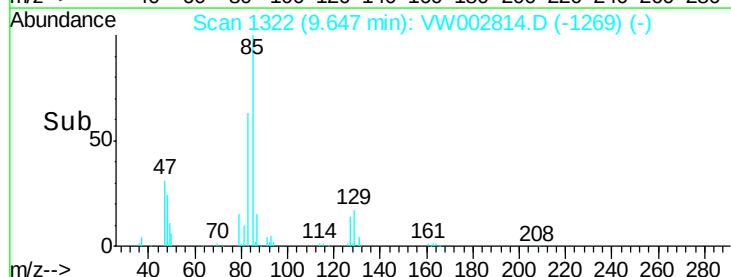
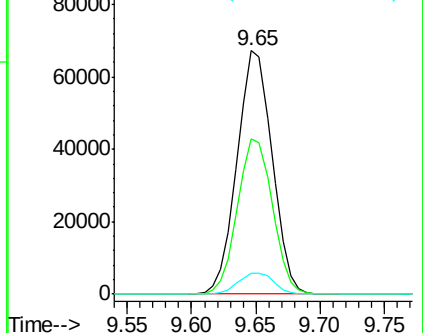
127 8.7 7.2 10.8

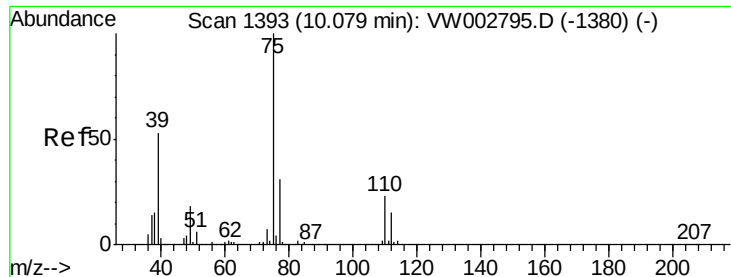


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 21.68 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW002814.D

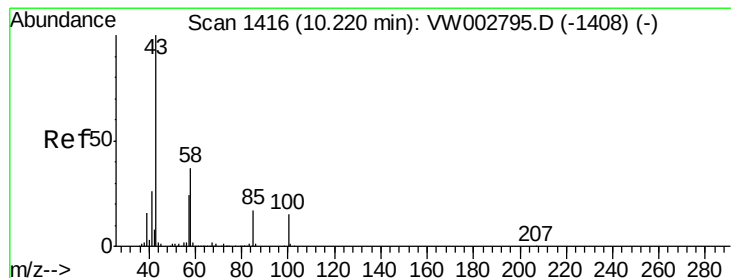
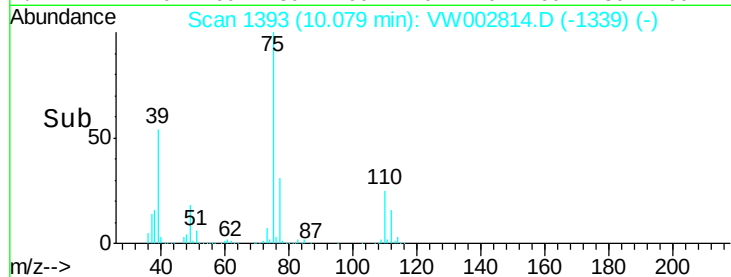
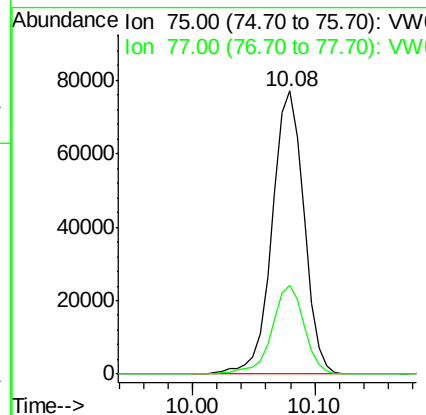
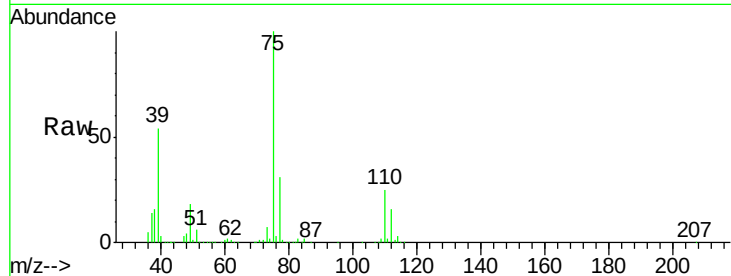
Acq: 23 May 2018 04:57

Tgt Ion: 75 Resp: 139748

Ion Ratio Lower Upper

75 100

77 31.3 22.0 40.8



#43

4-Methyl-2-pentanone

Concen: 46.93 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW002814.D

Acq: 23 May 2018 04:57

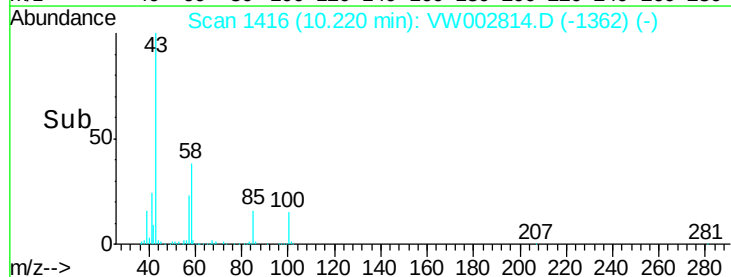
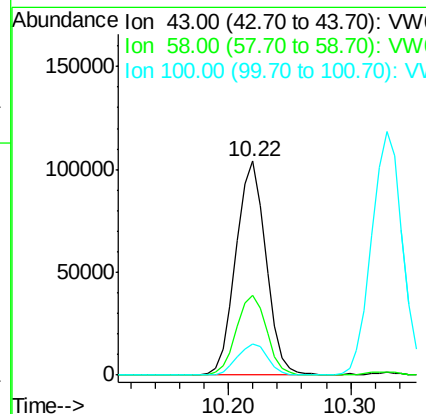
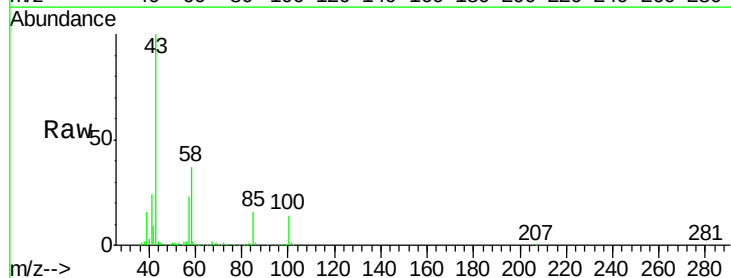
Tgt Ion: 43 Resp: 177032

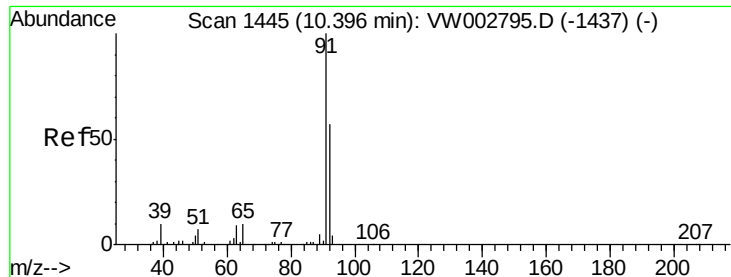
Ion Ratio Lower Upper

43 100

58 37.0 30.2 45.2

100 14.7 12.1 18.1





#44

Toluene

Concen: 23.17 ug/L

RT: 10.40 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VW002814.D

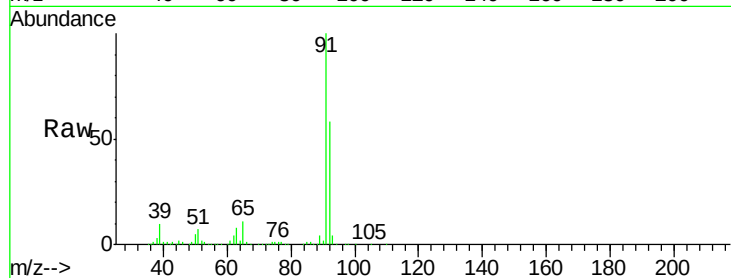
Acq: 23 May 2018 04:57

Tgt Ion: 91 Resp: 408323

Ion Ratio Lower Upper

91 100

92 57.8 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.40

250000

200000

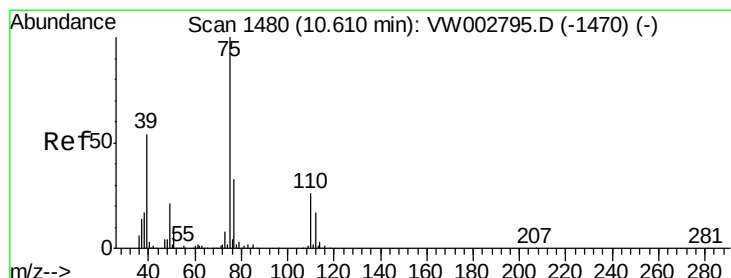
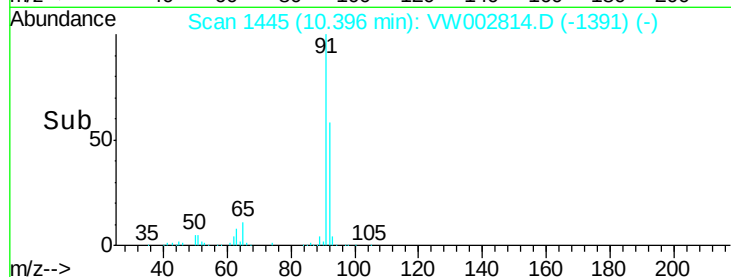
150000

100000

50000

0

Time--> 10.30 10.40



#45

trans-1,3-Dichloropropene

Concen: 21.70 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW002814.D

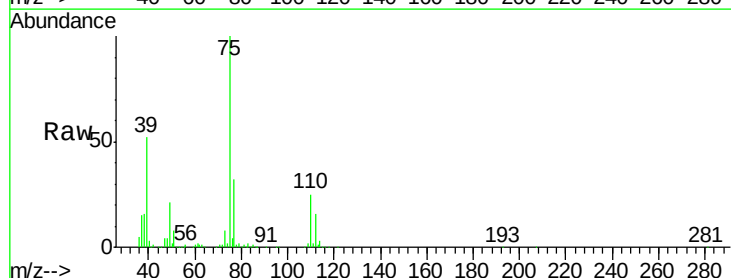
Acq: 23 May 2018 04:57

Tgt Ion: 75 Resp: 127539

Ion Ratio Lower Upper

75 100

77 31.7 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

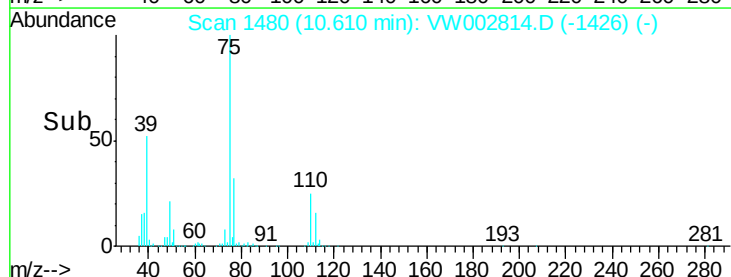
60000

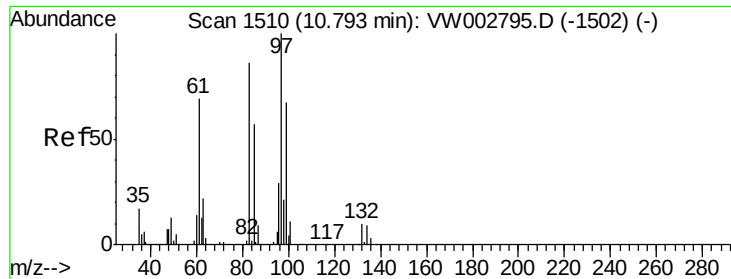
40000

20000

0

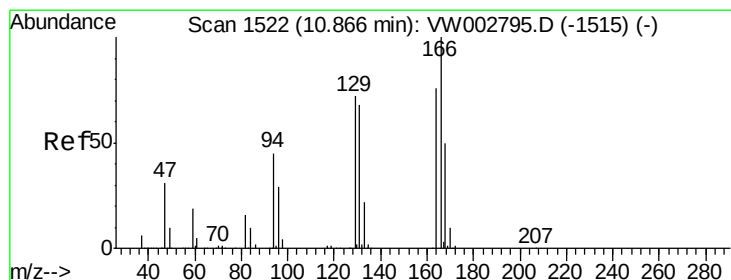
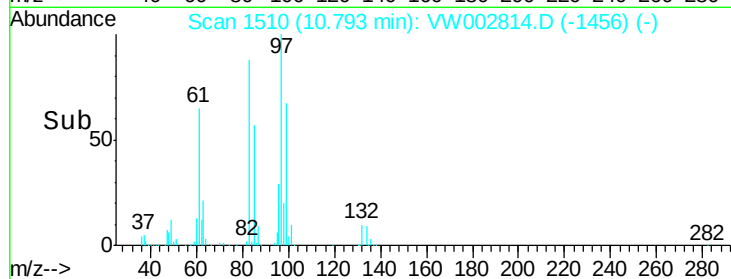
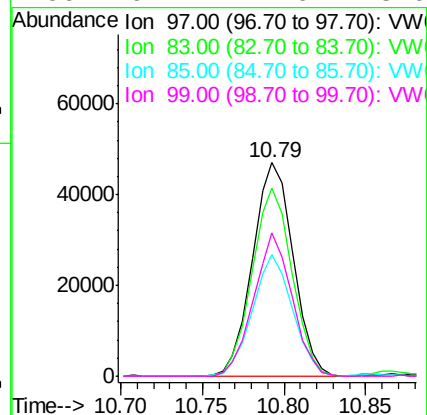
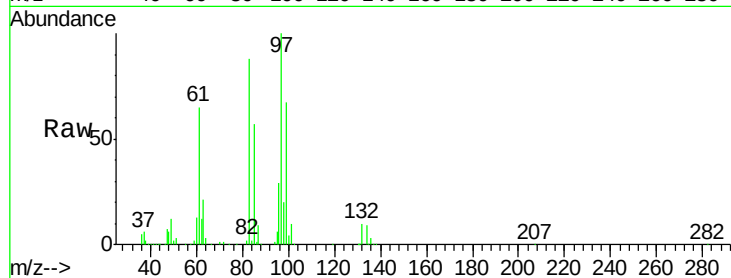
Time--> 10.50 10.60





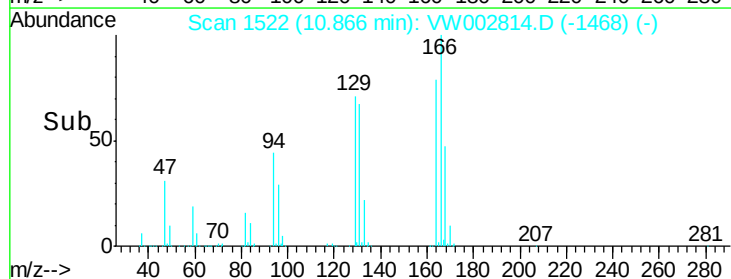
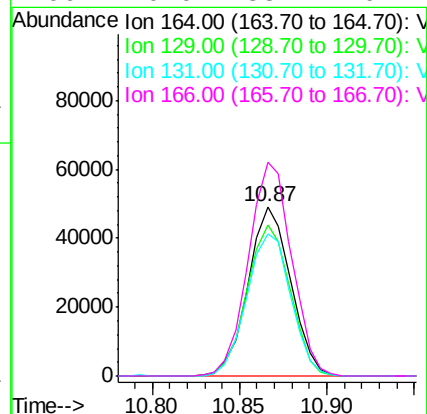
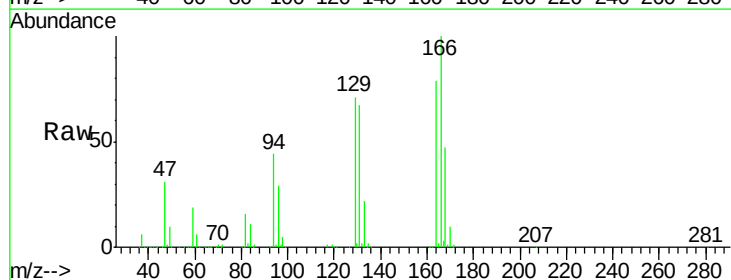
#46
 1,1,2-Trichloroethane
 Concen: 23.50 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW002814.D
 Acq: 23 May 2018 04:57

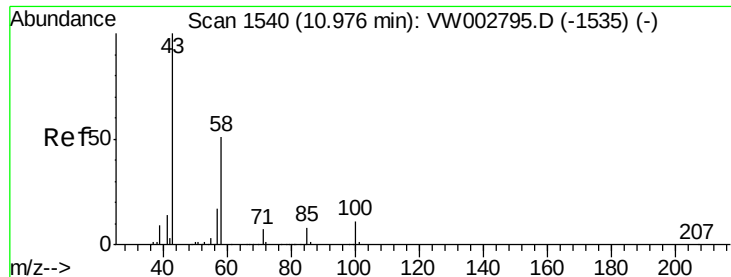
Tgt Ion:	97	Resp:	81576
Ion	Ratio	Lower	Upper
97	100		
83	87.9	60.6	112.6
85	56.8	37.9	70.3
99	67.4	42.0	78.0



#47
 Tetrachloroethene
 Concen: 21.79 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW002814.D
 Acq: 23 May 2018 04:57

Tgt Ion:	164	Resp:	83286
Ion	Ratio	Lower	Upper
164	100		
129	89.4	64.4	119.6
131	84.2	63.2	117.4
166	126.0	88.7	164.7

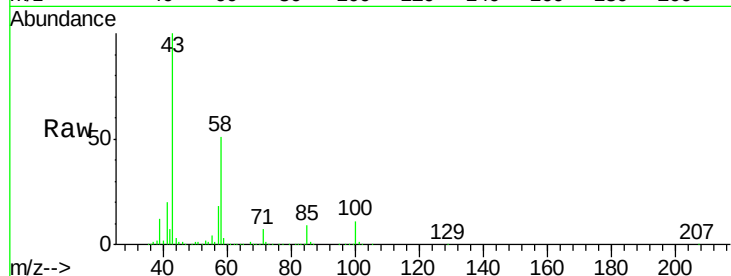




#49
2-Hexanone
Concen: 46.33 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW002814.D
Acq: 23 May 2018 04:57

Tgt Ion: 43 Resp: 129012

Ion	Ratio	Lower	Upper
43	100		
58	52.6	42.8	64.2
57	18.7	15.9	23.9
100	11.6	9.8	14.6



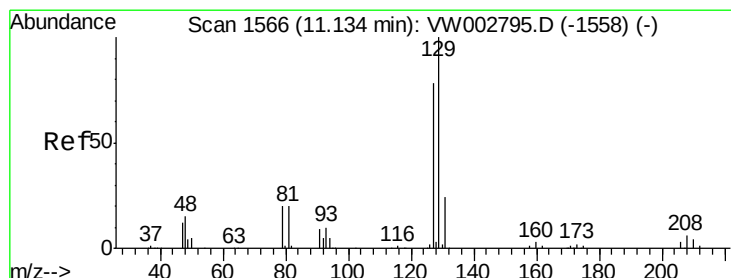
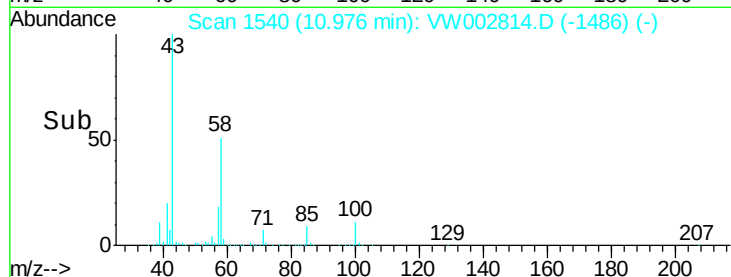
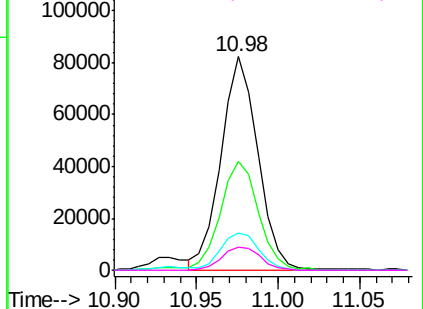
Abundance

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

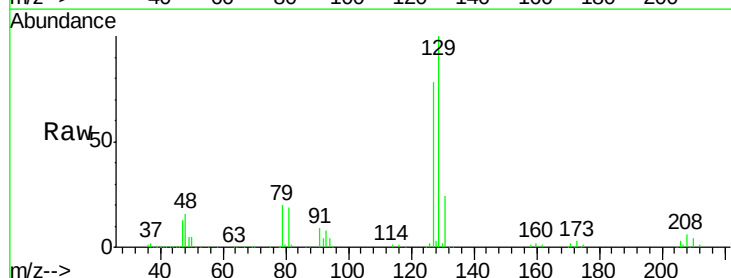
Ion 100.00 (99.70 to 100.70): VW



#50
Dibromochloromethane
Concen: 23.30 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW002814.D
Acq: 23 May 2018 04:57

Tgt Ion: 129 Resp: 97662

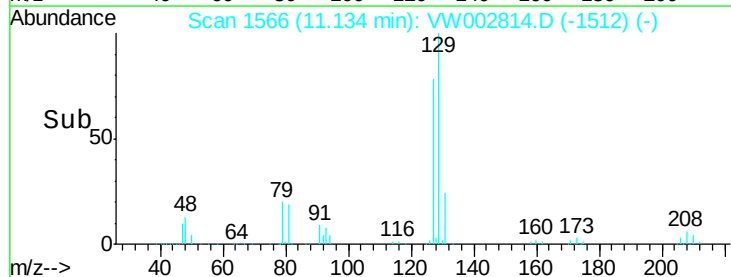
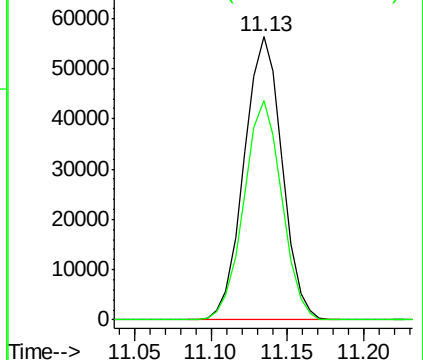
Ion	Ratio	Lower	Upper
129	100		
127	77.6	52.6	97.8

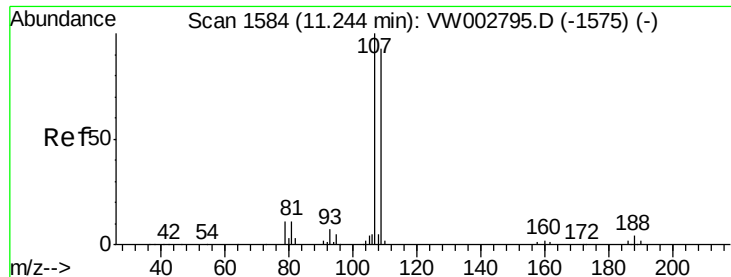


Abundance

Ion 129.00 (128.70 to 129.70): V

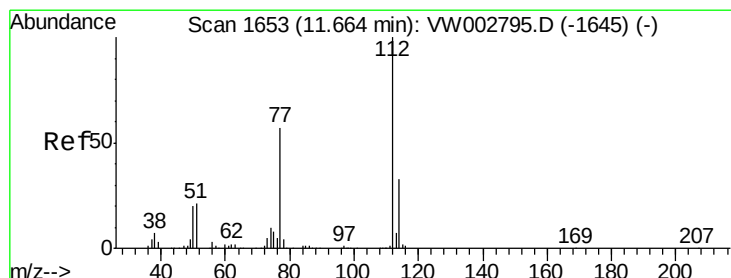
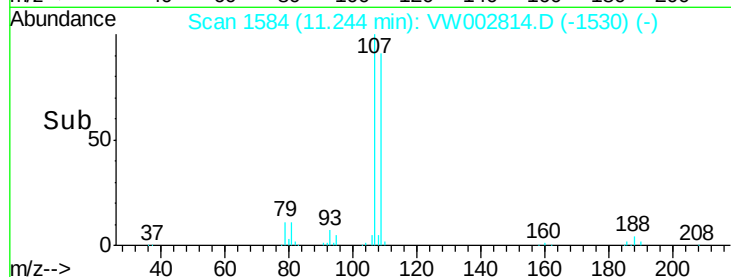
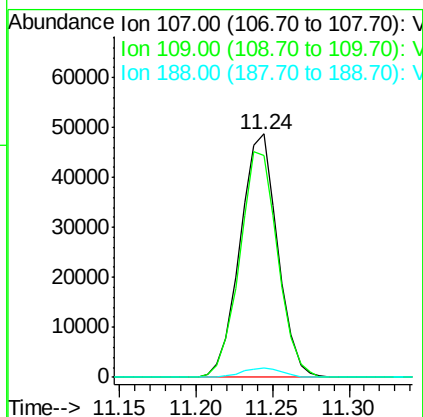
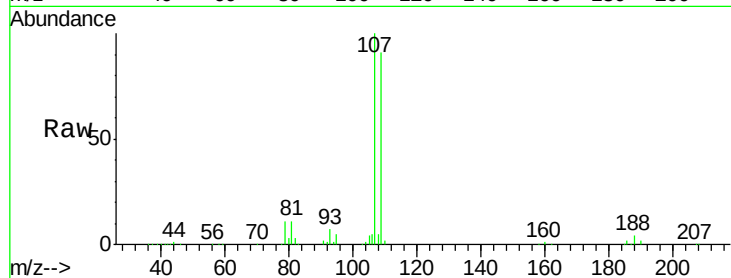
Ion 127.00 (126.70 to 127.70): V





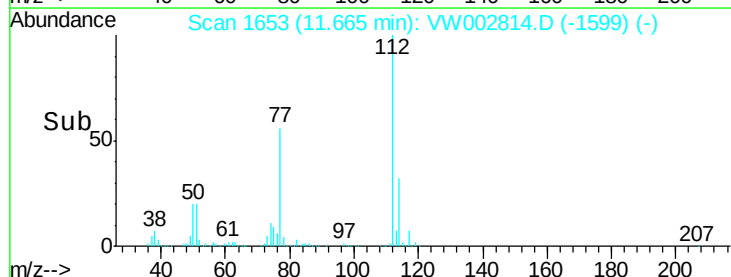
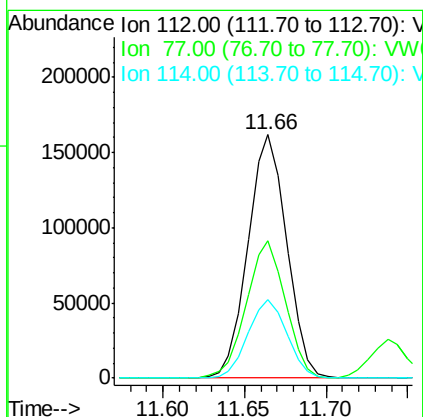
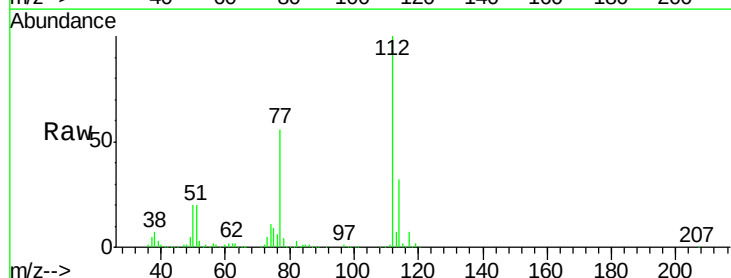
#51
 1,2-Dibromoethane
 Concen: 23.52 ug/L
 RT: 11.24 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VW002814.D
 Acq: 23 May 2018 04:57

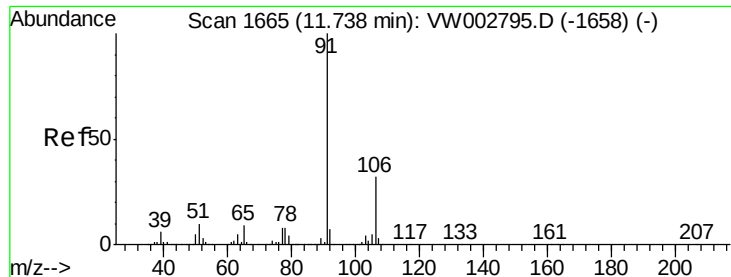
Tgt Ion: 107 Resp: 82972
 Ion Ratio Lower Upper
 107 100
 109 90.9 65.5 121.6
 188 3.9 3.3 4.9



#52
 Chlorobenzene
 Concen: 22.95 ug/L
 RT: 11.66 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: VW002814.D
 Acq: 23 May 2018 04:57

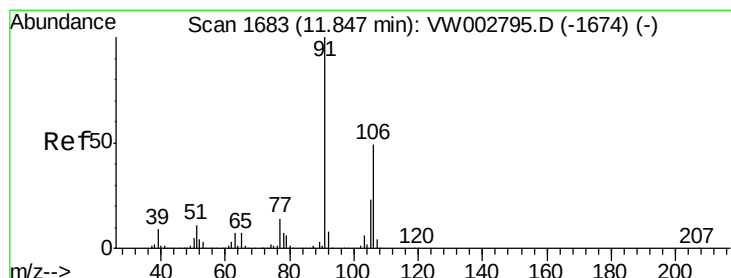
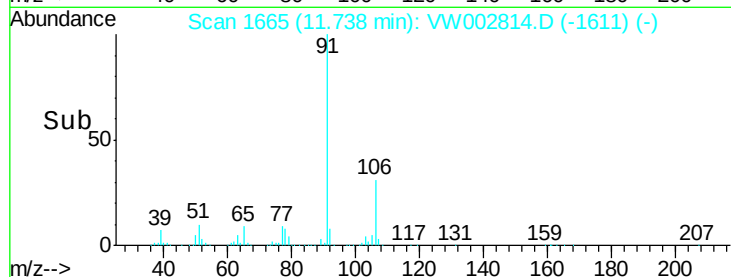
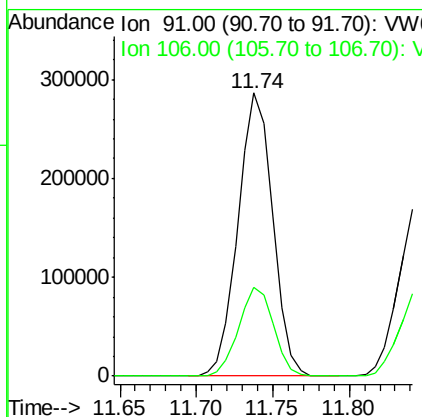
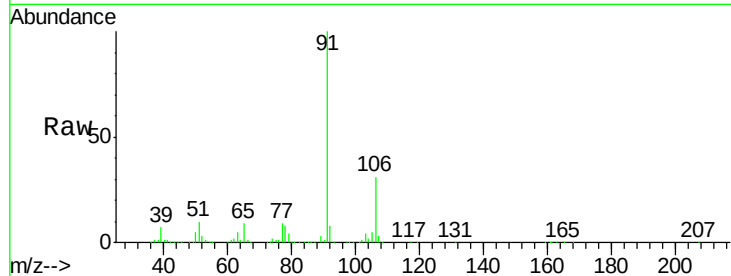
Tgt Ion: 112 Resp: 268095
 Ion Ratio Lower Upper
 112 100
 77 56.5 44.7 67.1
 114 32.3 21.8 40.6





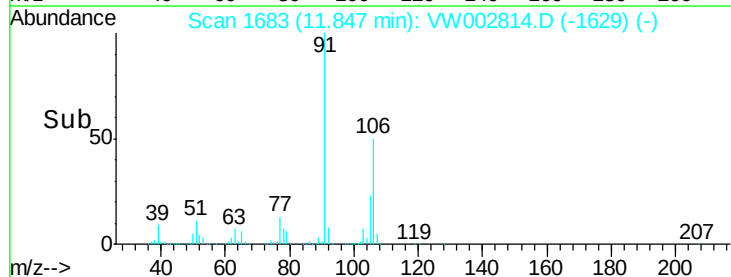
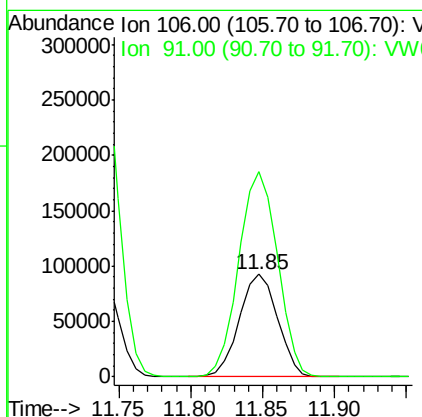
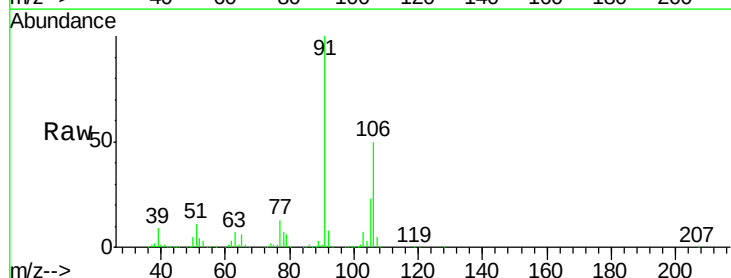
#53
Ethylbenzene
Concen: 22.80 ug/L
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW002814.D
Acq: 23 May 2018 04:57

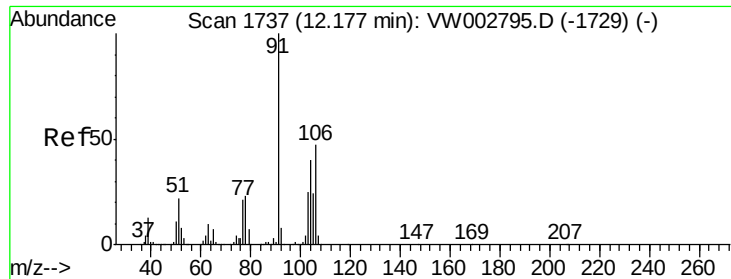
Tgt Ion: 91 Resp: 451449
Ion Ratio Lower Upper
91 100
106 31.2 21.4 39.8



#54
m,p-Xylene
Concen: 22.70 ug/L
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW002814.D
Acq: 23 May 2018 04:57

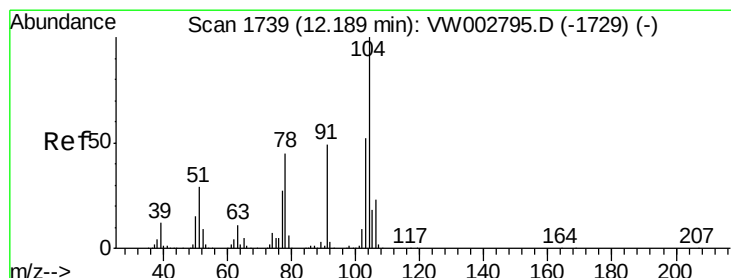
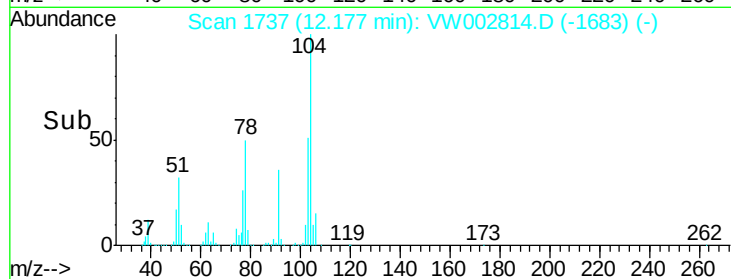
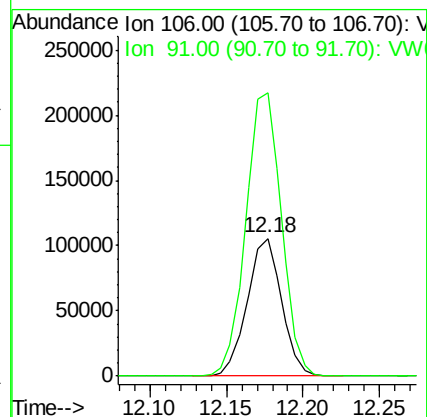
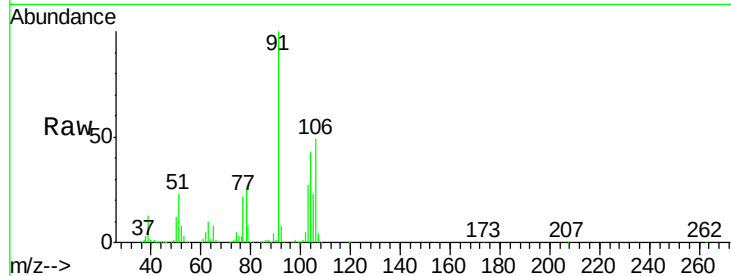
Tgt Ion: 106 Resp: 171131
Ion Ratio Lower Upper
106 100
91 199.8 140.6 261.0





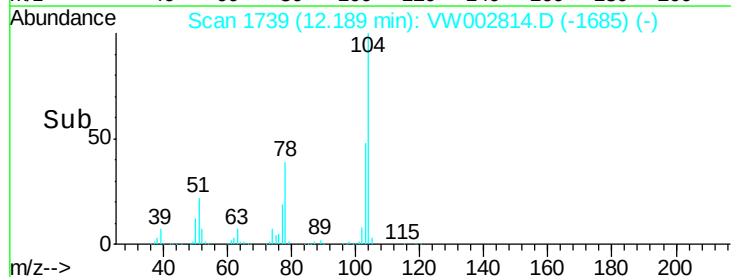
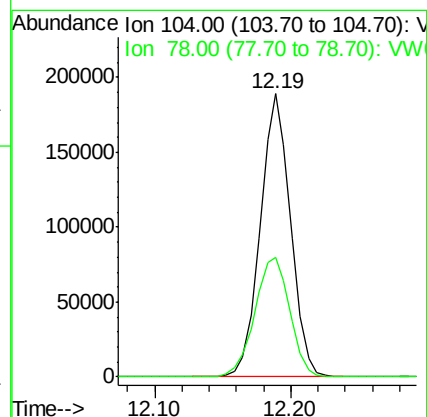
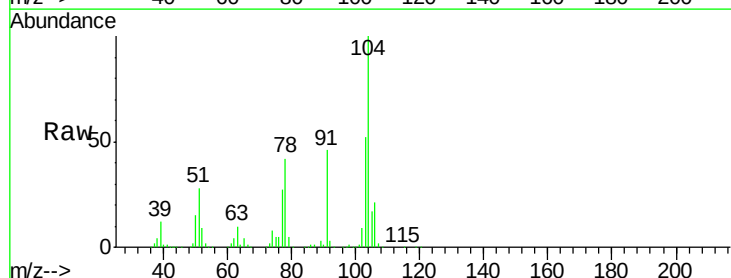
#55
o-xylene
Concen: 23.01 ug/L
RT: 12.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VW002814.D
Acq: 23 May 2018 04:57

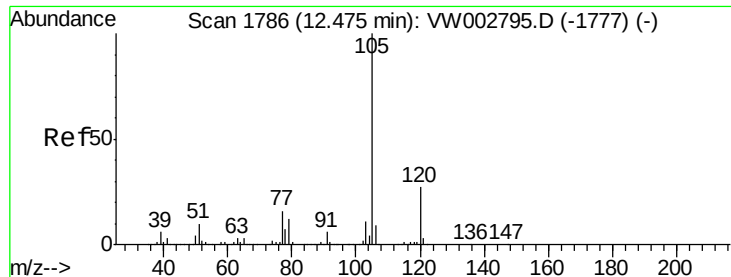
Tgt Ion:106 Resp: 164840
Ion Ratio Lower Upper
106 100
91 205.3 150.2 279.0



#56
Styrene
Concen: 23.51 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW002814.D
Acq: 23 May 2018 04:57

Tgt Ion:104 Resp: 295044
Ion Ratio Lower Upper
104 100
78 42.3 32.4 60.2





#57

Isopropylbenzene

Concen: 22.46 ug/L

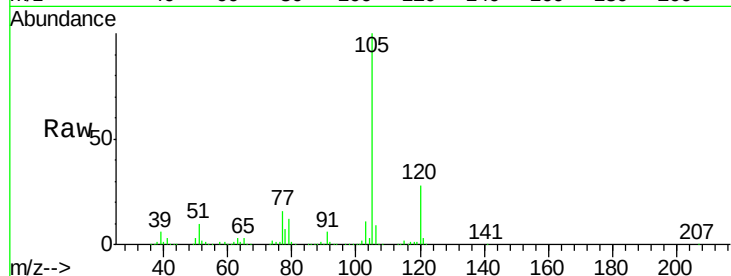
RT: 12.48 min Scan# 1786

Delta R.T. 0.00 min

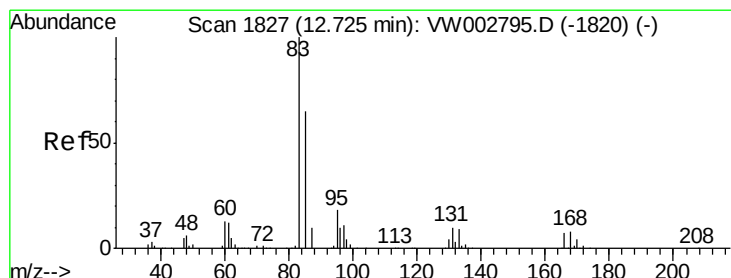
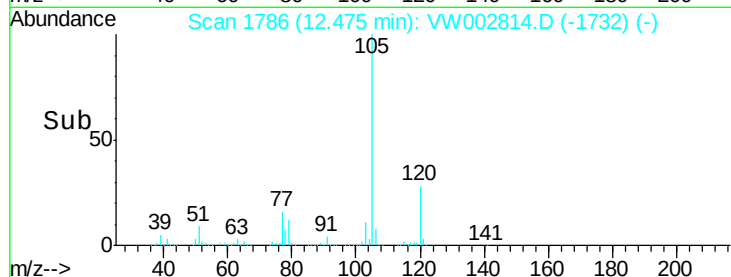
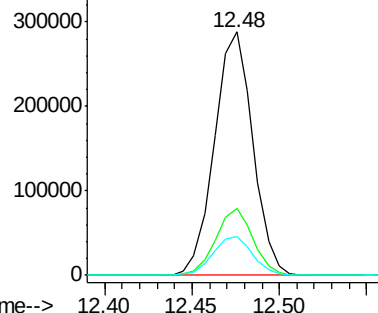
Lab File: VW002814.D

Acq: 23 May 2018 04:57

Tgt Ion:	105	Resp:	439197
Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.3	31.9
77	16.2	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: 23.19 ug/L

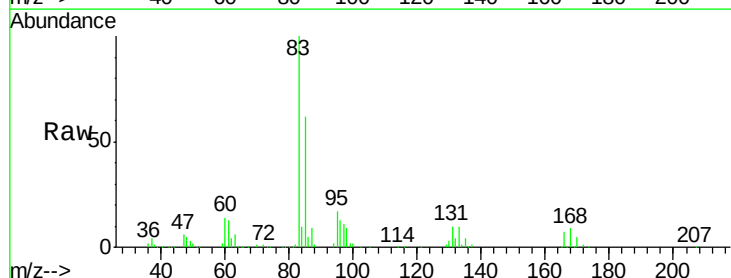
RT: 12.73 min Scan# 1827

Delta R.T. 0.00 min

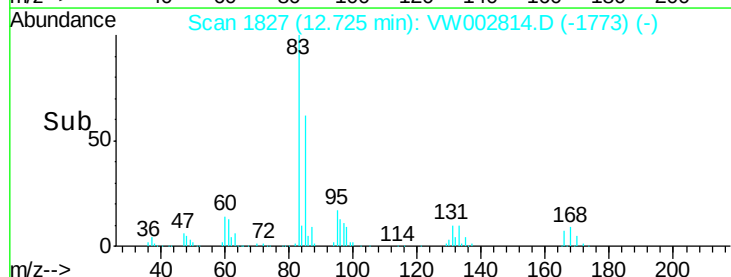
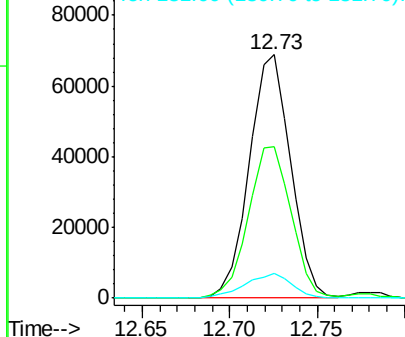
Lab File: VW002814.D

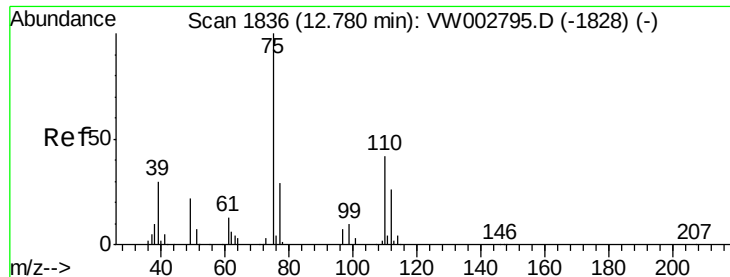
Acq: 23 May 2018 04:57

Tgt Ion:	83	Resp:	113414
Ion	Ratio	Lower	Upper
83	100		
85	62.2	45.1	83.7
131	10.2	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: 23.48 ug/L

RT: 12.78 min Scan# 1836

Delta R.T. 0.00 min

Lab File: VW002814.D

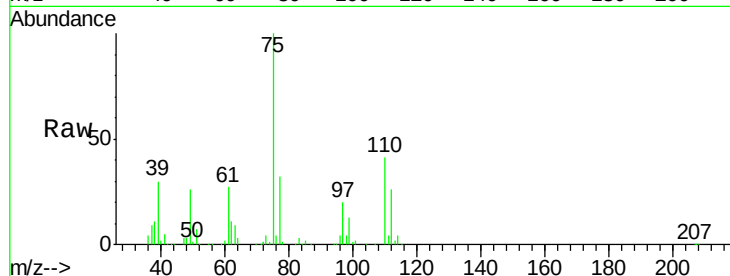
Acq: 23 May 2018 04:57

Tgt Ion: 75 Resp: 86414

Ion Ratio Lower Upper

75 100

77 32.3 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.78

60000

50000

40000

30000

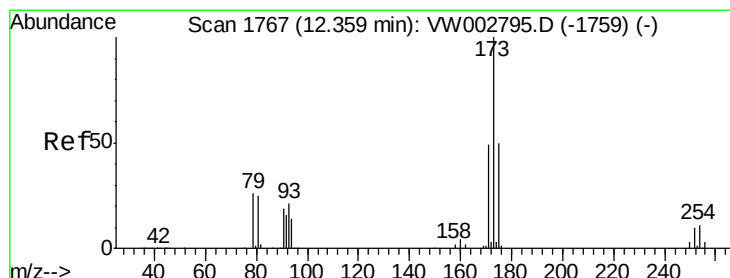
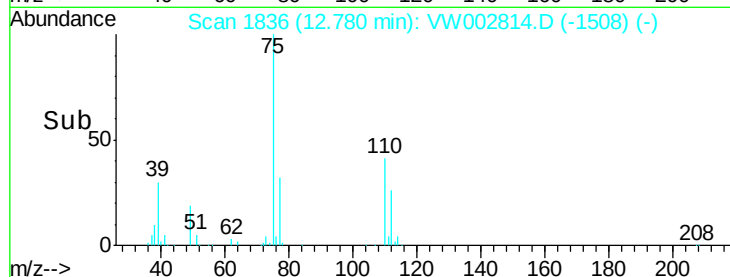
20000

10000

0

Time-->

12.70 12.75 12.80 12.85



#62

Bromoform

Concen: 23.63 ug/L

RT: 12.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VW002814.D

Acq: 23 May 2018 04:57

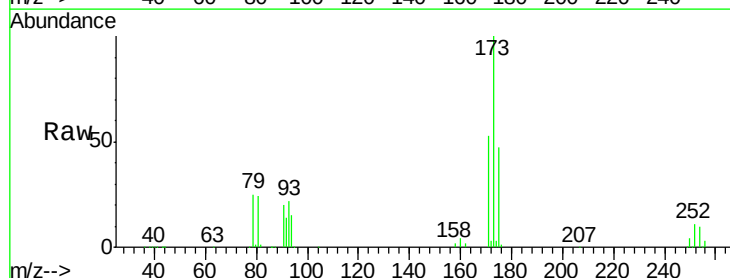
Tgt Ion: 173 Resp: 64333

Ion Ratio Lower Upper

173 100

175 48.7 39.4 59.0

254 10.2 8.5 12.7



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

12.36

50000

40000

30000

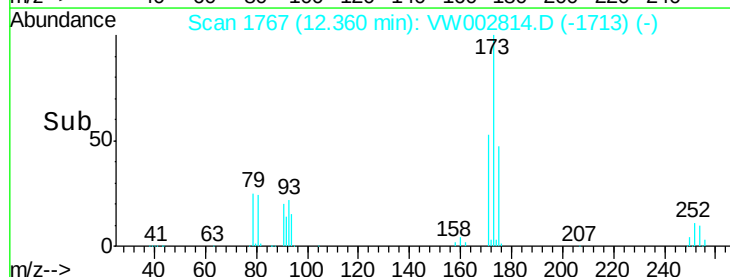
20000

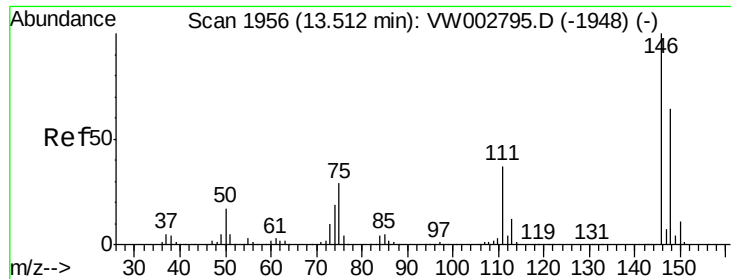
10000

0

Time-->

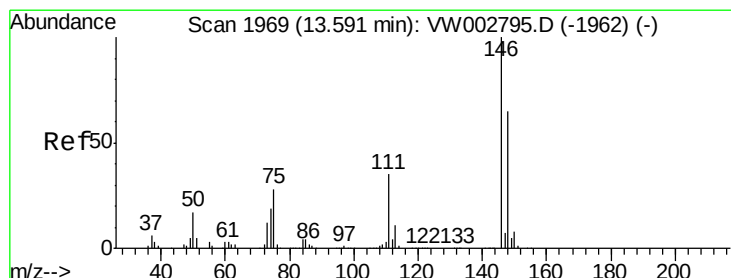
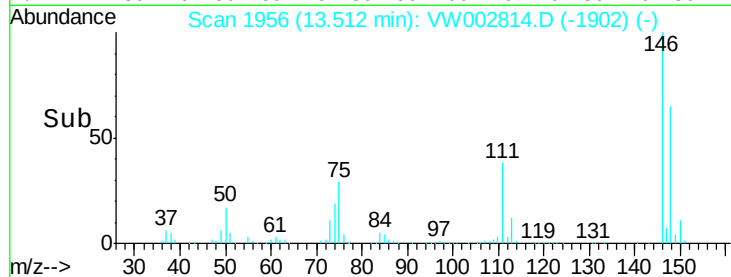
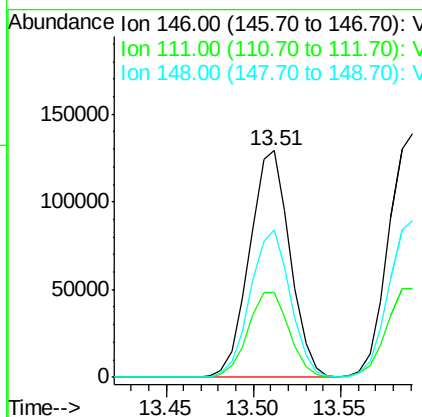
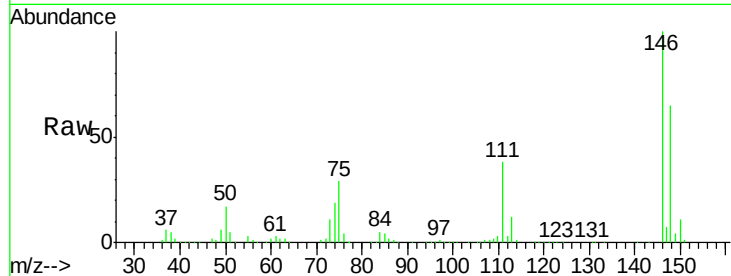
12.30 12.35 12.40





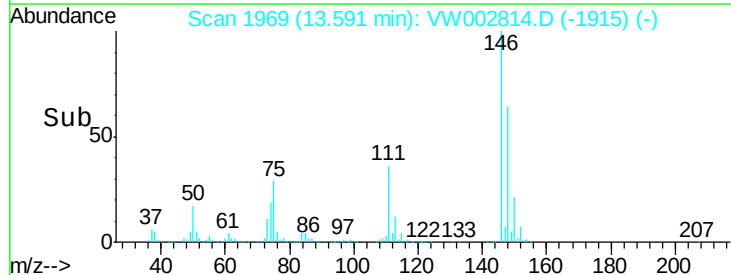
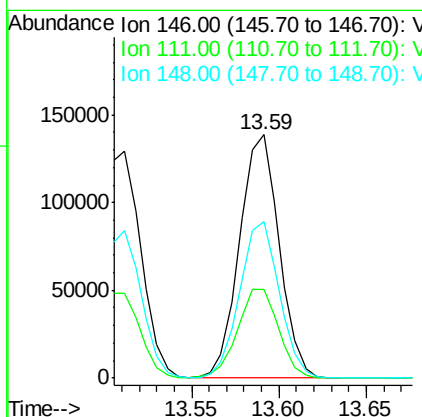
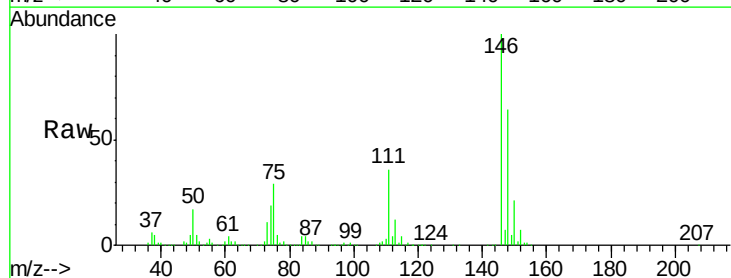
#63
 1,3-Dichlorobenzene
 Concen: 22.60 ug/L
 RT: 13.51 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW002814.D
 Acq: 23 May 2018 04:57

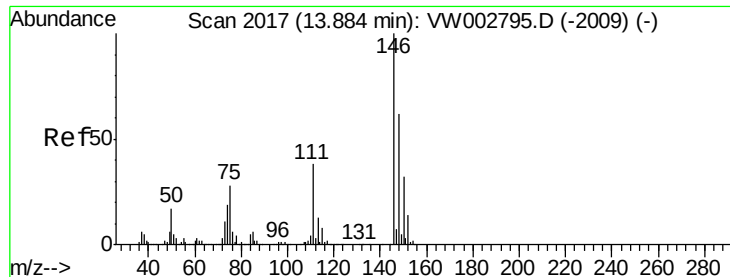
Tgt Ion:146 Resp: 209174
 Ion Ratio Lower Upper
 146 100
 111 37.8 26.7 49.5
 148 65.2 44.3 82.3



#64
 1,4-Dichlorobenzene
 Concen: 22.66 ug/L
 RT: 13.59 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VW002814.D
 Acq: 23 May 2018 04:57

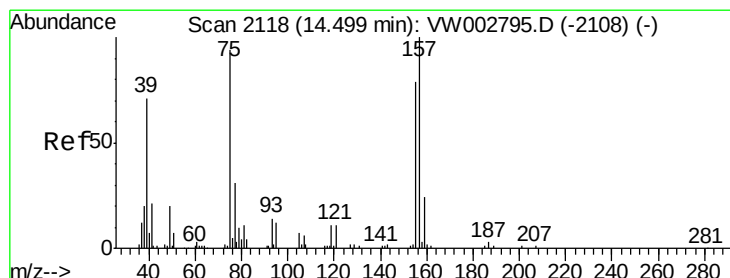
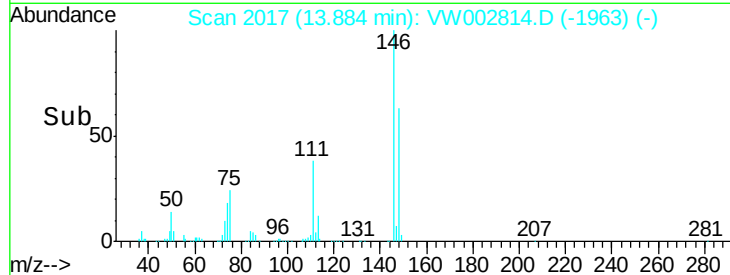
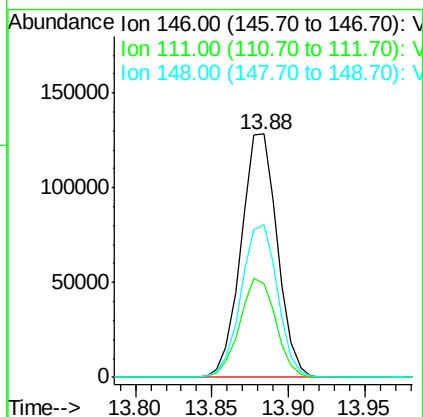
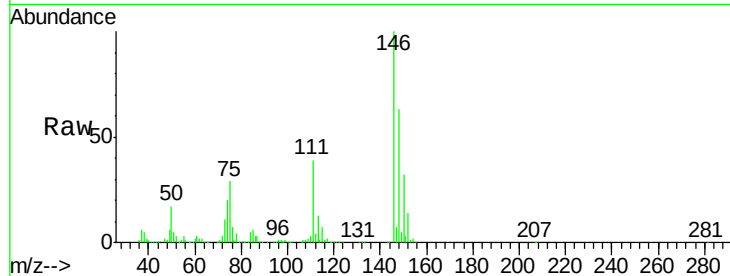
Tgt Ion:146 Resp: 219875
 Ion Ratio Lower Upper
 146 100
 111 36.5 25.6 47.4
 148 64.4 43.2 80.2





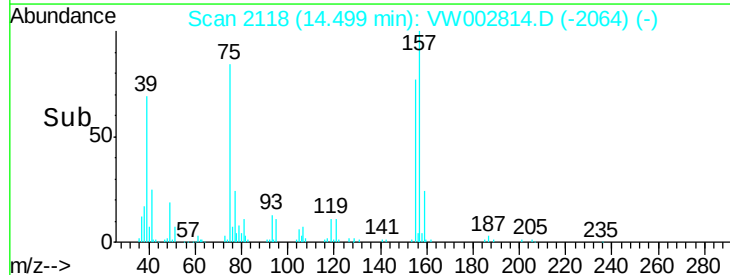
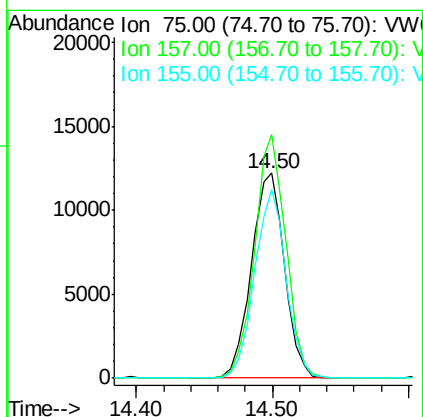
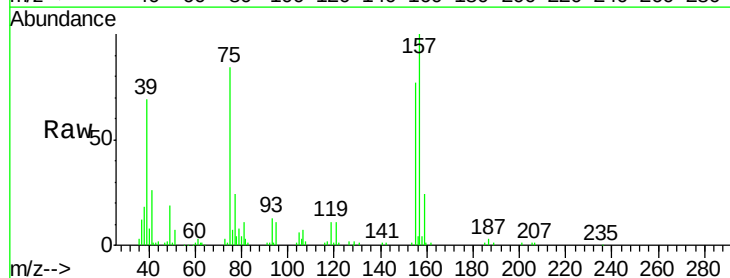
#65
 1,2-Dichlorobenzene
 Concen: 23.52 ug/L
 RT: 13.88 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: VW002814.D
 Acq: 23 May 2018 04:57

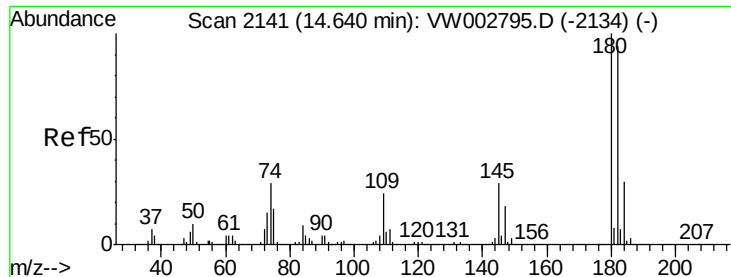
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	31.5	47.3
148	62.8	52.3	78.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.55 ug/L
 RT: 14.50 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VW002814.D
 Acq: 23 May 2018 04:57

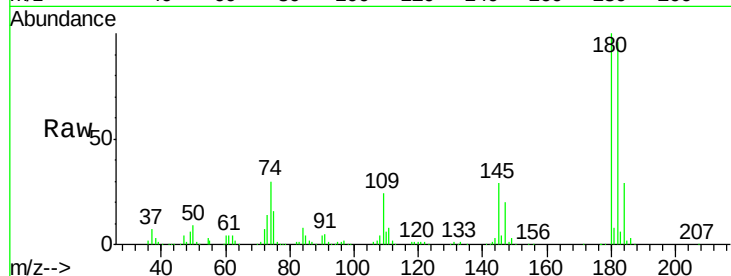
Tgt Ion	Ratio	Lower	Upper
75	100		
157	119.0	87.6	131.4
155	92.0	66.2	99.4





#67
 1,3,5-Trichlorobenzene
 Concen: 21.68 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW002814.D
 Acq: 23 May 2018 04:57

Tgt Ion:	180	Resp:	161522
Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.0	115.6
184	30.5	24.3	36.5
145	28.7	23.0	34.6

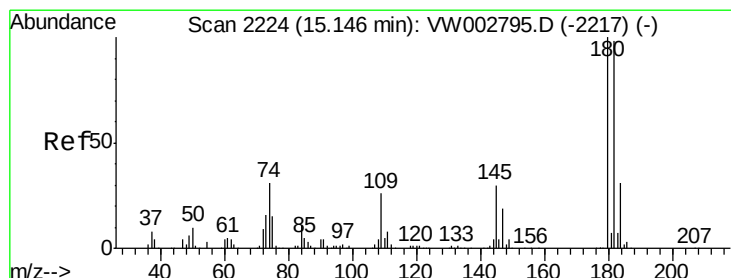
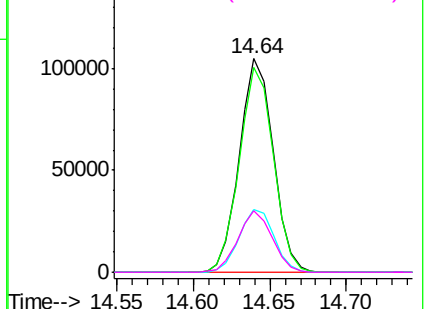
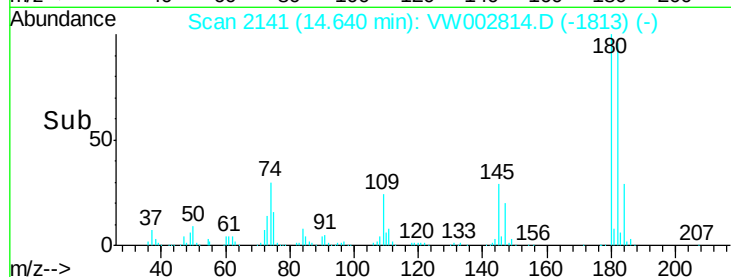


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

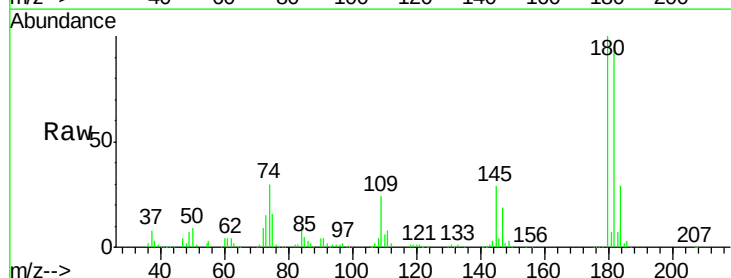
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 22.56 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW002814.D
 Acq: 23 May 2018 04:57

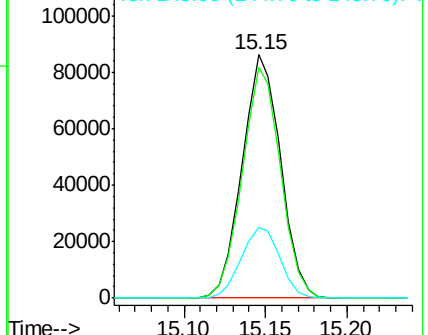
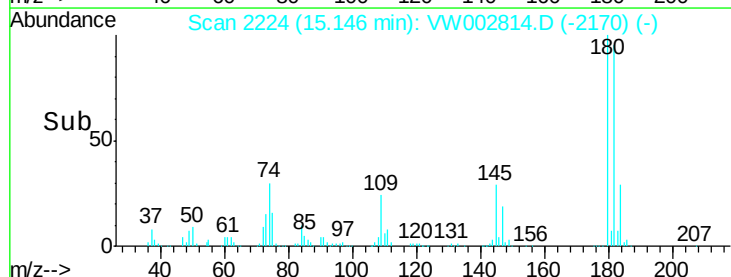
Tgt Ion:	180	Resp:	141325
Ion	Ratio	Lower	Upper
180	100		
182	94.4	74.6	112.0
145	29.4	23.1	34.7

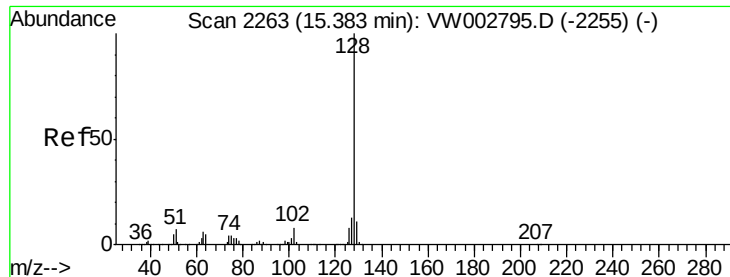


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 24.96 ug/L

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW002814.D

Acq: 23 May 2018 04:57

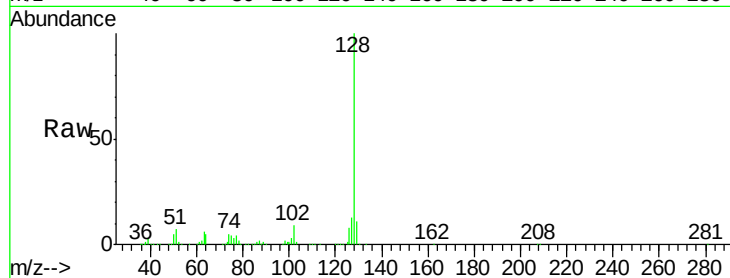
Tgt Ion:128 Resp: 316390

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

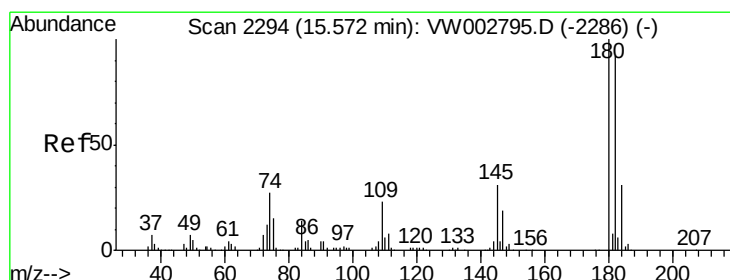
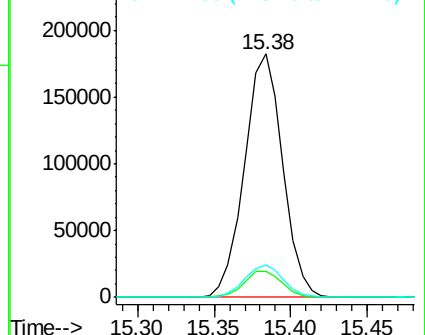
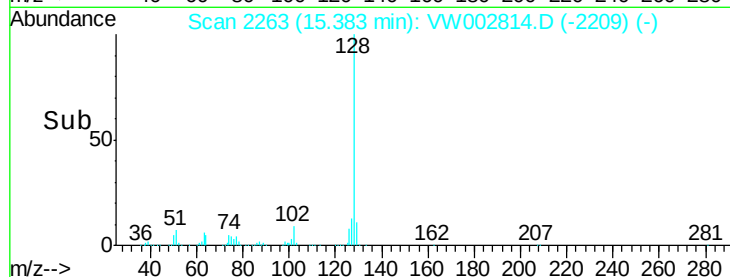
127 13.5 10.6 16.0



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: 23.72 ug/L

RT: 15.57 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VW002814.D

Acq: 23 May 2018 04:57

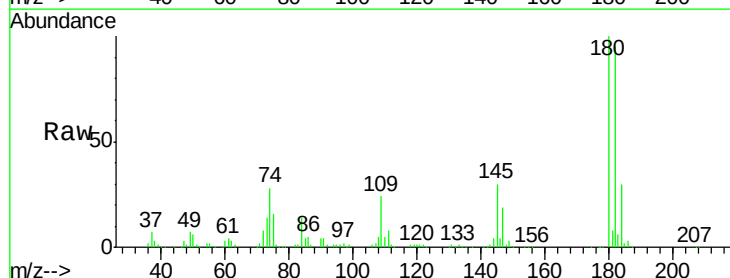
Tgt Ion:180 Resp: 139471

Ion Ratio Lower Upper

180 100

182 96.5 76.7 115.1

145 31.5 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

