

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101019\
 Data File : VW013523.D
 Acq On : 10 Oct 2019 16:45
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 11 09:02:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 11 07:46:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	511264	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	450407	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	230780	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	142980	24.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.76%
7) Chloroethane-d5	2.89	69	104275	23.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.84%
10) 1,1-Dichloroethene-d2	4.01	63	285759	23.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.12%
20) 2-Butanone-d5	7.07	46	84403	47.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.78%
24) Chloroform-d	7.65	84	258678	23.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.16%
26) 1,2-Dichloroethane-d4	8.31	65	134060	23.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.20%
29) Benzene-d6	8.27	84	573007	23.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.00%
33) 1,2-Dichloropropane-d6	9.27	67	168073	23.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.92%
37) Toluene-d8	10.32	98	538278	23.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.00%
38) trans-1,3-Dichloropropene-	10.58	79	74972	23.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.04%
39) 2-Hexanone-d5	10.92	63	66828	46.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	134713	23.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	194892	23.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	73344	26.327	ug/L 99
3) Chloromethane	2.21	50	103585	21.162	ug/L 99
5) Vinyl chloride	2.36	62	154258	22.274	ug/L 98
6) Bromomethane	2.78	94	94836	22.357	ug/L 98
8) Chloroethane	2.92	64	86515	22.272	ug/L 98
9) Trichlorofluoromethane	3.26	101	79905	22.132	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	141204	22.038	ug/L 99
12) 1,1-Dichloroethene	4.04	96	144635	22.536	ug/L 95
13) Acetone	4.13	43	77868	38.439	ug/L 99
14) Carbon disulfide	4.38	76	435141	22.218	ug/L 99
15) Methyl Acetate	4.67	43	70024	22.160	ug/L 99
16) Methylene chloride	4.91	84	149690	19.330	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	229486	22.251	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	148422	21.672	ug/L 99
19) 1,1-Dichloroethane	6.21	63	252065	21.922	ug/L 97
21) 2-Butanone	7.17	43	102392	41.317	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	158887	21.692	ug/L 98

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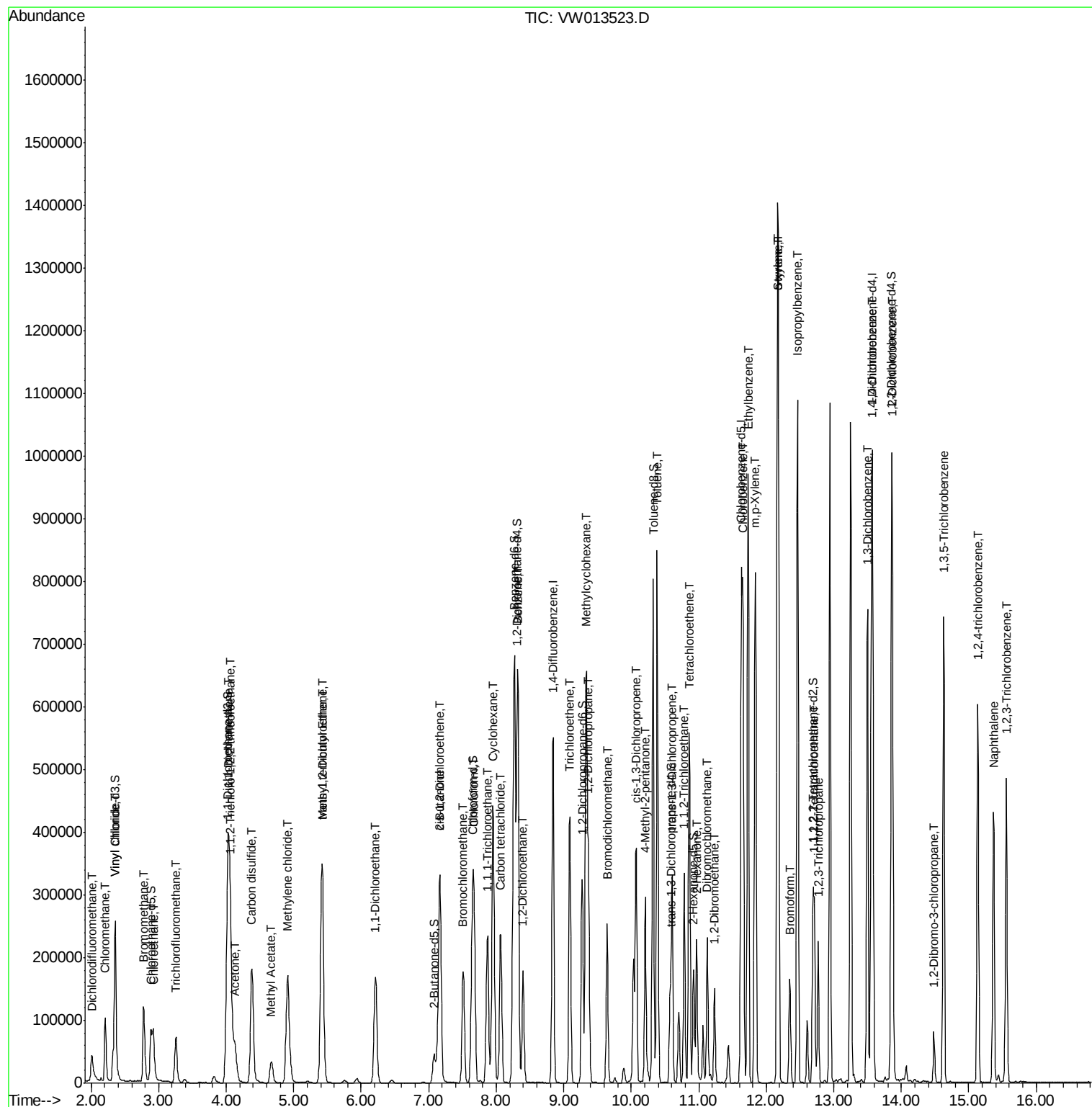
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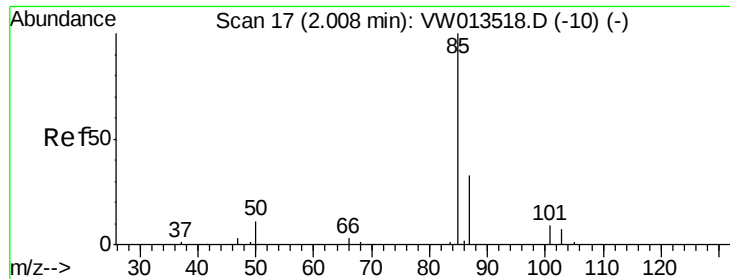
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	71392	21.767	ug/L	97
25) Chloroform	7.67	83	248285	21.888	ug/L	100
27) 1,2-Dichloroethane	8.40	62	158169	22.046	ug/L	100
30) Cyclohexane	7.95	56	261336	22.067	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	200212	22.070	ug/L	100
32) Carbon tetrachloride	8.07	117	190312	21.871	ug/L	98
34) Benzene	8.32	78	591876	21.752	ug/L	100
35) Trichloroethene	9.09	95	154391	21.752	ug/L	100
36) Methylcyclohexane	9.34	83	286093	22.165	ug/L	100
40) 1,2-Dichloropropane	9.37	63	143052	21.823	ug/L	100
41) Bromodichloromethane	9.64	83	177148	22.003	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	234166	22.268	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	192823	42.160	ug/L	97
44) Toluene	10.38	91	646215	21.914	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	185596	22.351	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	109114	21.929	ug/L	98
47) Tetrachloroethene	10.86	164	142925	22.095	ug/L	98
49) 2-Hexanone	10.97	43	146518	44.079	ug/L	98
50) Dibromochloromethane	11.13	129	129658	22.131	ug/L	99
51) 1,2-Dibromoethane	11.23	107	108312	22.159	ug/L #	98
52) Chlorobenzene	11.66	112	408031	21.802	ug/L	99
53) Ethylbenzene	11.73	91	716064	21.937	ug/L	99
54) m,p-Xylene	11.84	106	278593	21.878	ug/L	96
55) o-xylene	12.16	106	262305	22.068	ug/L	99
56) Styrene	12.18	104	451973	22.327	ug/L	99
57) Isopropylbenzene	12.46	105	712761	22.105	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	126481	21.515	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	97089	22.117	ug/L	100
62) Bromoform	12.35	173	81771	22.029	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	331742	21.452	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	331371	21.526	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	298778	21.488	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	20535	21.392	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	252950	21.672	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	210708	21.780	ug/L	98
69) Naphthalene	15.36	128	390535	22.163	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	189375	21.983	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 26.327 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013523.D

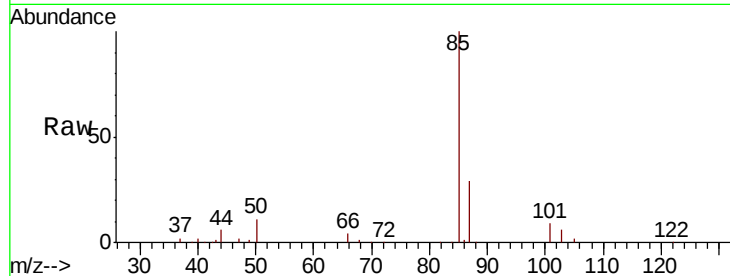
Acq: 10 Oct 2019 16:45

Tot Ion: 85 Resp: 73344

Ion Ratio Lower Upper

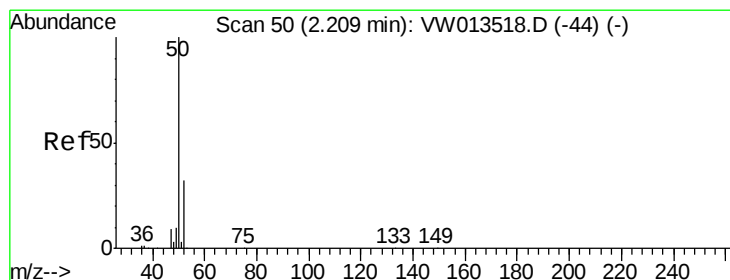
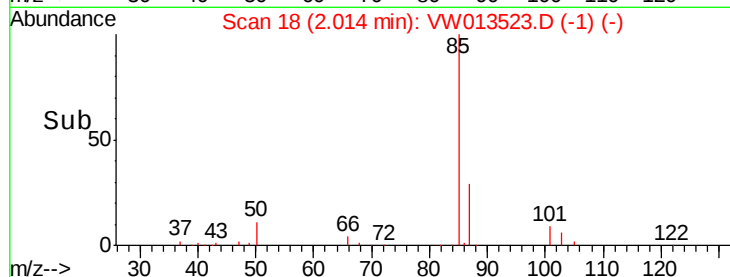
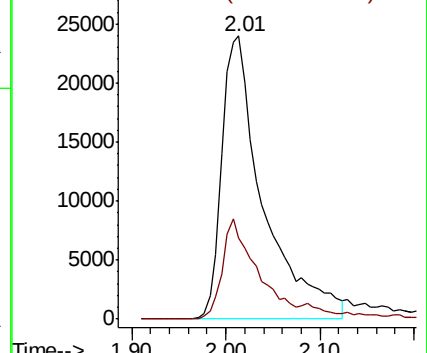
85 100

87 29.5 20.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.162 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013523.D

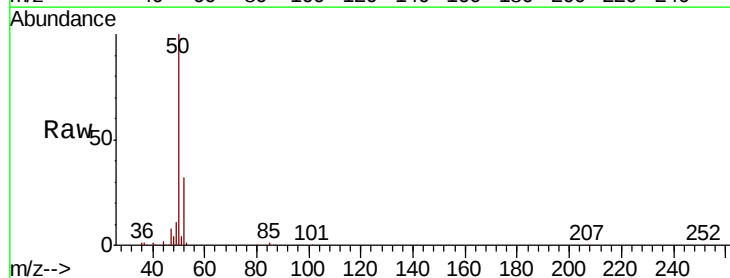
Acq: 10 Oct 2019 16:45

Tgt Ion: 50 Resp: 103585

Ion Ratio Lower Upper

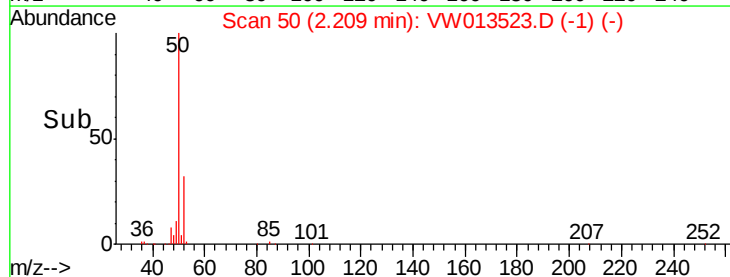
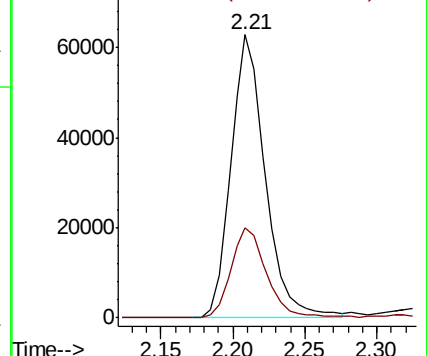
50 100

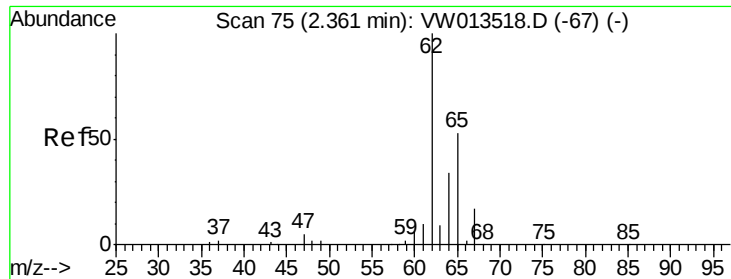
52 31.9 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 22.274 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013523.D

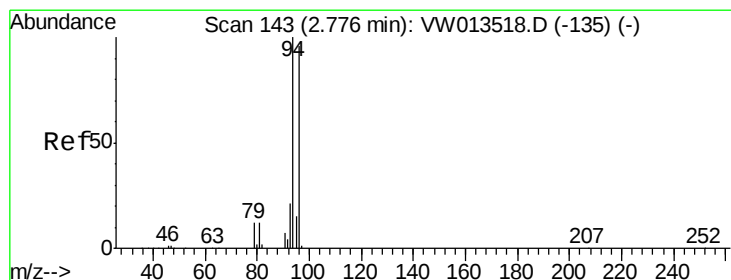
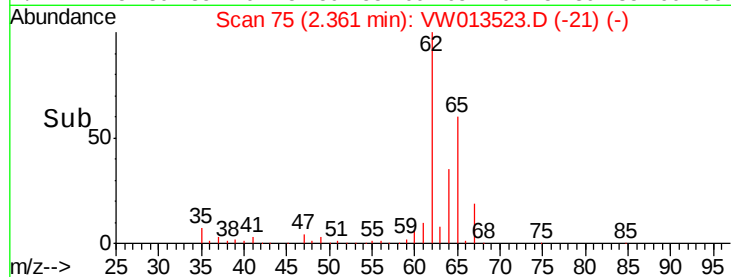
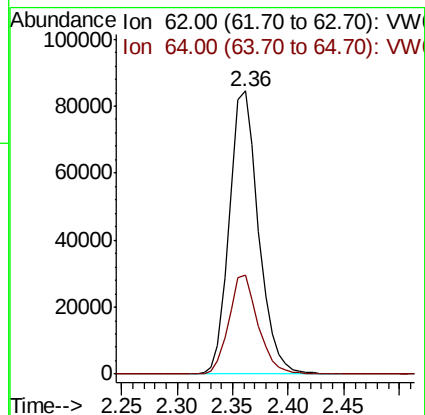
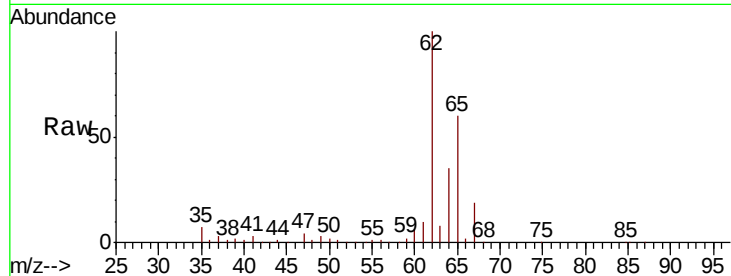
Acq: 10 Oct 2019 16:45

Tot Ion: 62 Resp: 154258

Ion Ratio Lower Upper

62 100

64 35.0 23.9 44.3



#6

Bromomethane

Concen: 22.357 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW013523.D

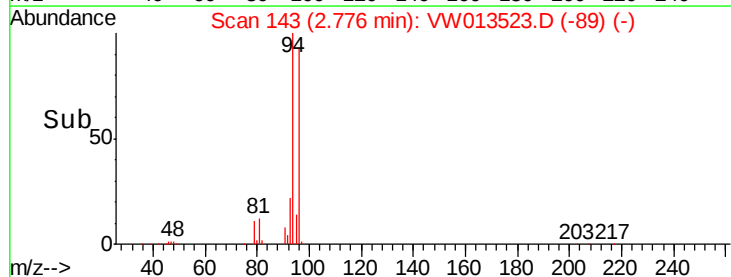
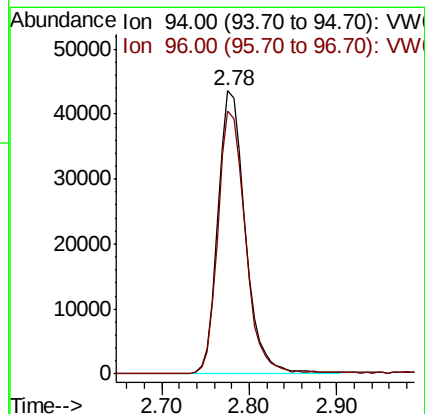
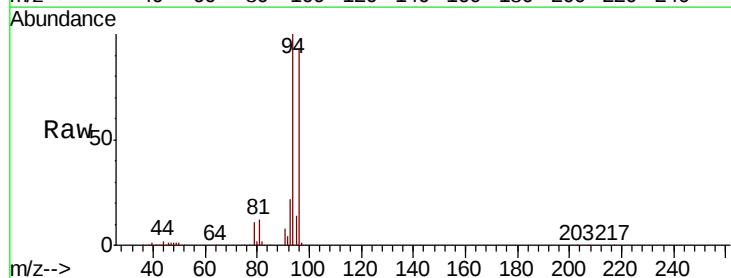
Acq: 10 Oct 2019 16:45

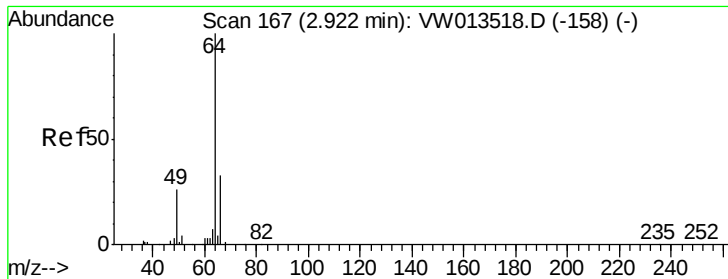
Tgt Ion: 94 Resp: 94836

Ion Ratio Lower Upper

94 100

96 92.7 9.5 179.9





#8

Chloroethane

Concen: 22.272 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013523.D

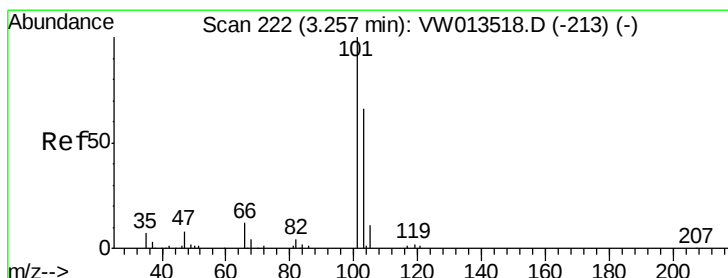
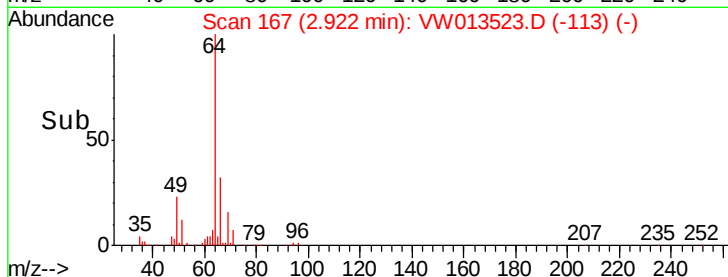
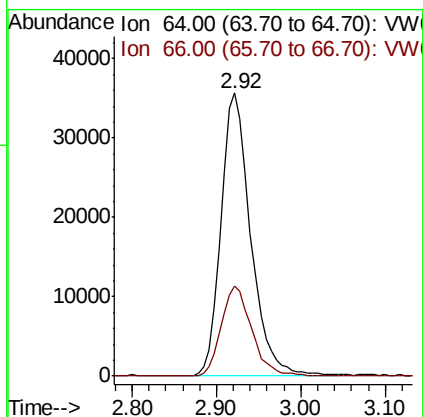
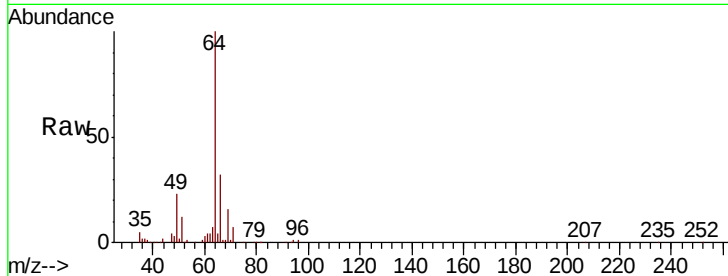
Acq: 10 Oct 2019 16:45

Tot Ion: 64 Resp: 86515

Ion Ratio Lower Upper

64 100

66 31.8 23.2 43.0



#9

Trichlorofluoromethane

Concen: 22.132 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW013523.D

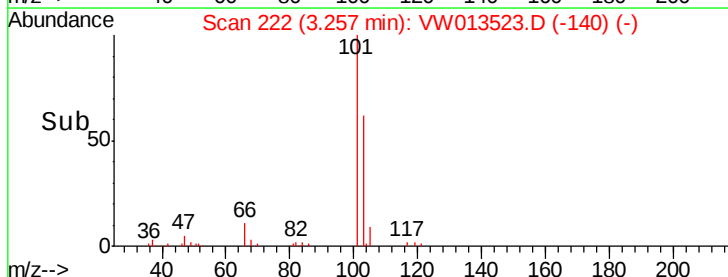
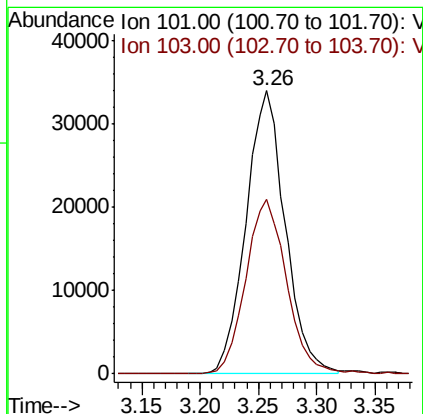
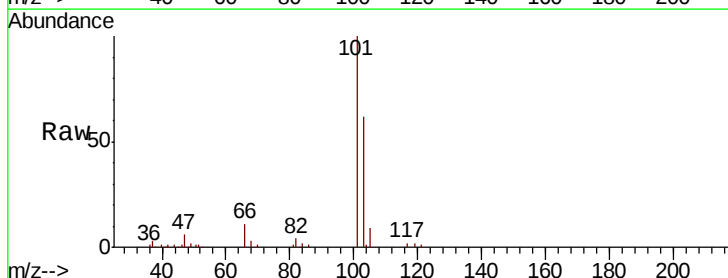
Acq: 10 Oct 2019 16:45

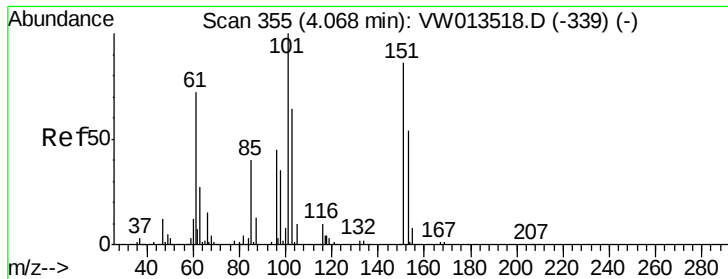
Tgt Ion: 101 Resp: 79905

Ion Ratio Lower Upper

101 100

103 63.8 46.0 85.4





#11

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

Concen: 22.038 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013523.D

Acq: 10 Oct 2019 16:45

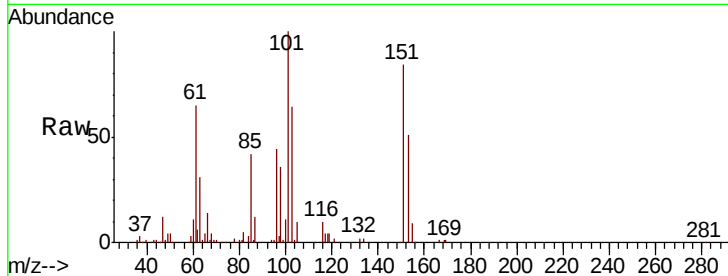
Tot Ion:101 Resp: 141204

Ion Ratio Lower Upper

101 100

85 40.8 32.0 48.0

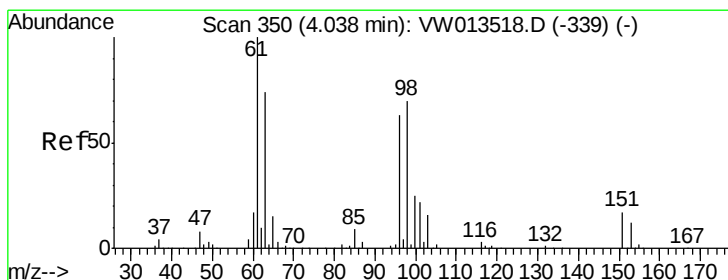
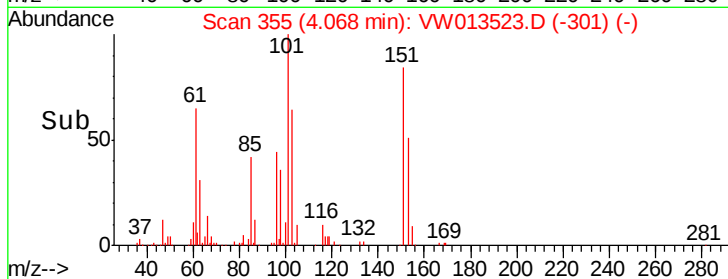
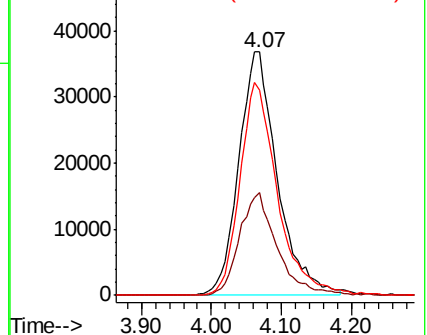
151 84.7 67.0 100.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 22.536 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW013523.D

Acq: 10 Oct 2019 16:45

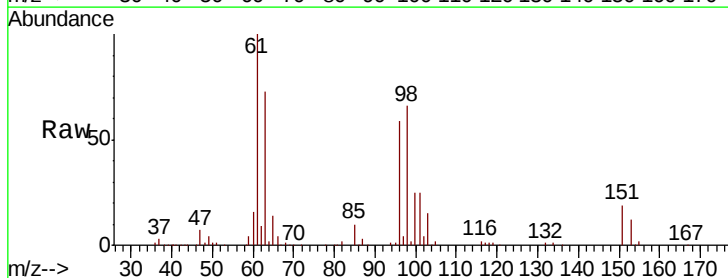
Tgt Ion: 96 Resp: 144635

Ion Ratio Lower Upper

96 100

61 168.4 111.0 206.2

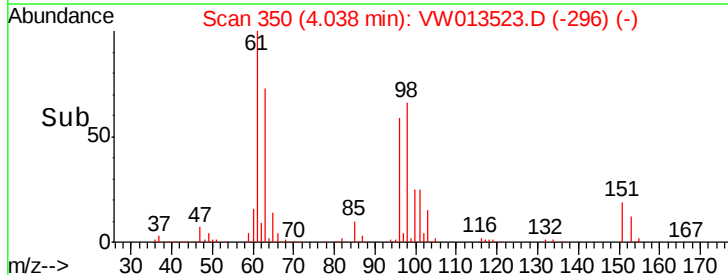
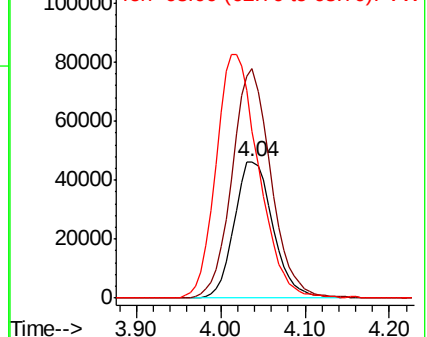
63 122.3 86.3 160.3

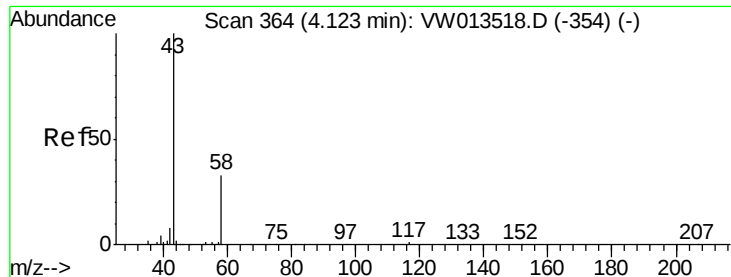


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 38.439 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013523.D

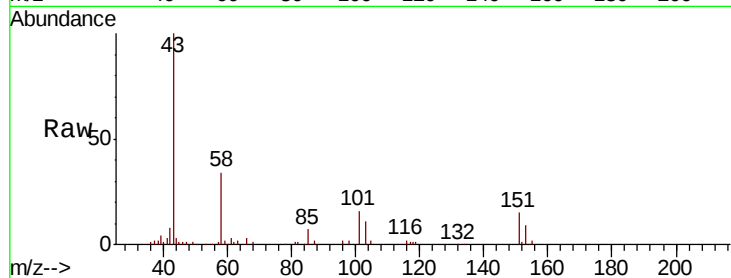
Acq: 10 Oct 2019 16:45

Tot Ion: 43 Resp: 77868

Ion Ratio Lower Upper

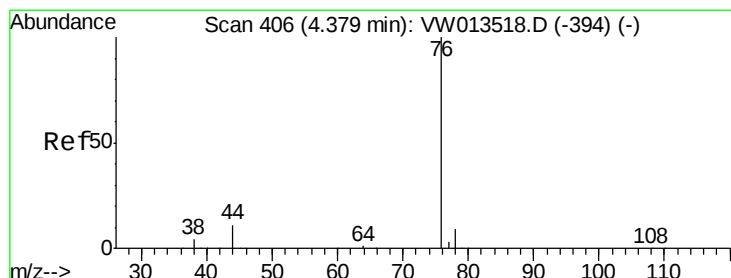
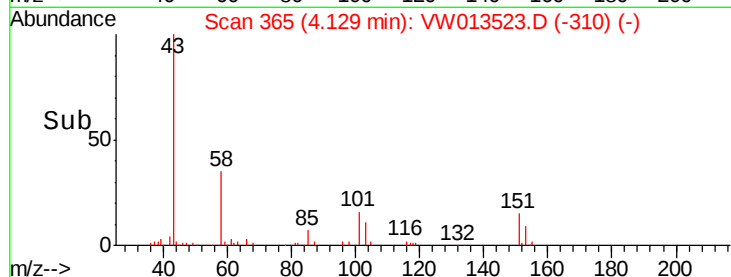
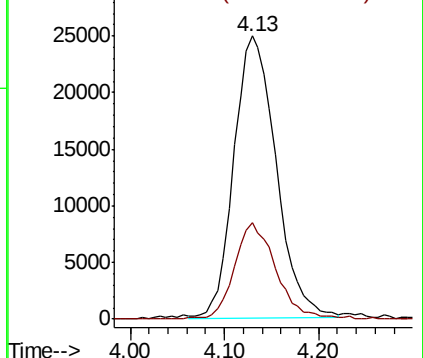
43 100

58 33.2 0.0 67.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 22.218 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013523.D

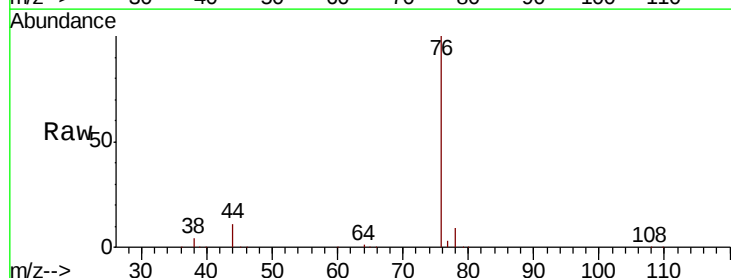
Acq: 10 Oct 2019 16:45

Tgt Ion: 76 Resp: 435141

Ion Ratio Lower Upper

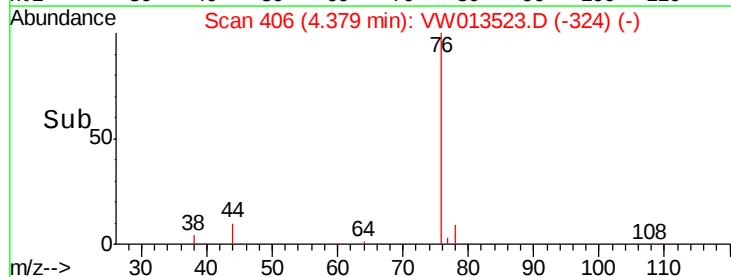
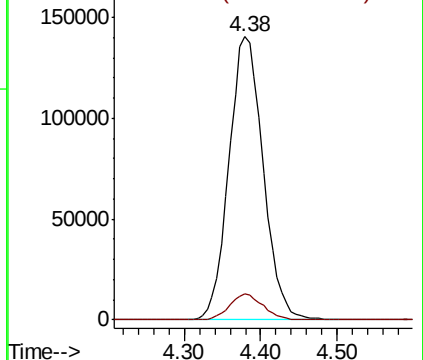
76 100

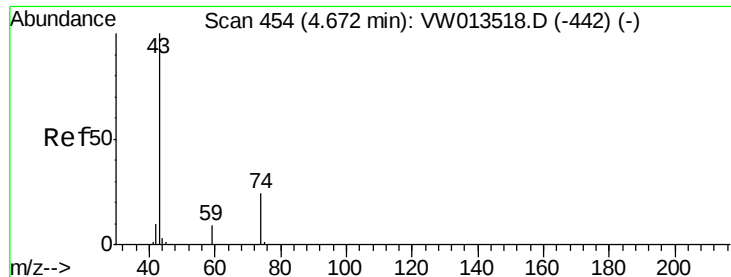
78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 22.160 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW013523.D

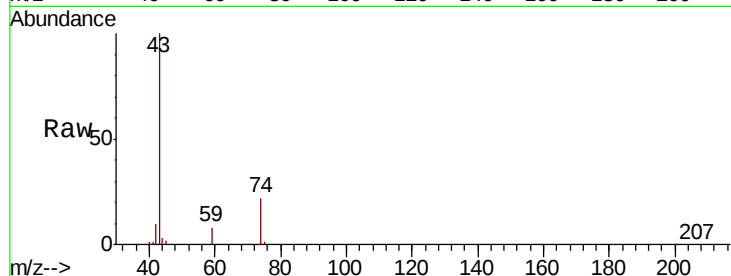
Acq: 10 Oct 2019 16:45

Tot Ion: 43 Resp: 70024

Ion Ratio Lower Upper

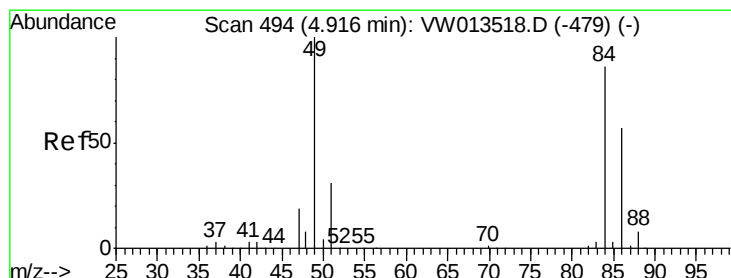
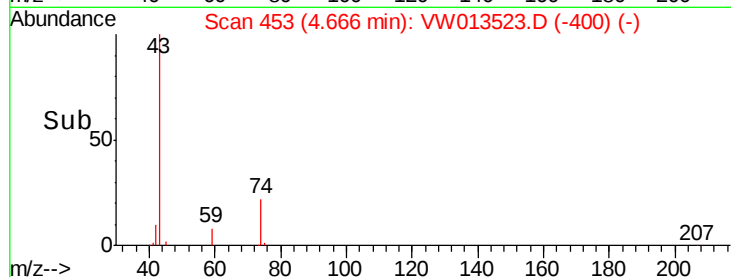
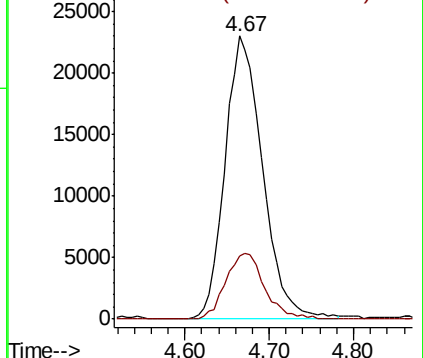
43 100

74 23.8 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 19.330 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013523.D

Acq: 10 Oct 2019 16:45

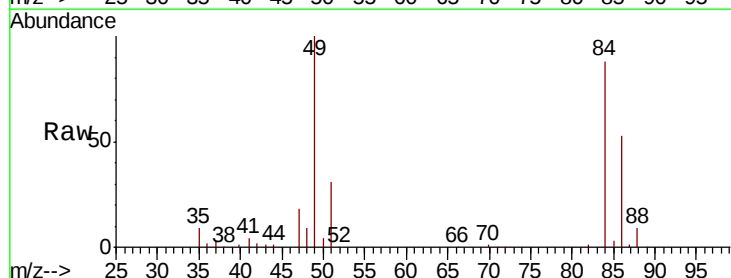
Tgt Ion: 84 Resp: 149690

Ion Ratio Lower Upper

84 100

49 113.4 81.3 151.1

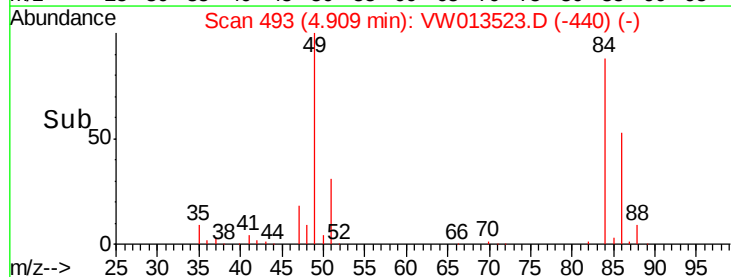
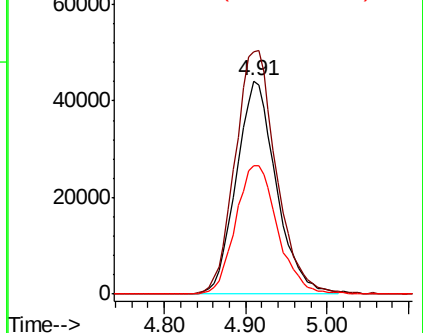
86 60.4 46.3 86.1

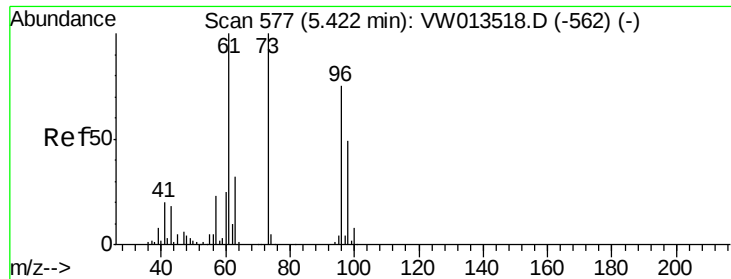


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

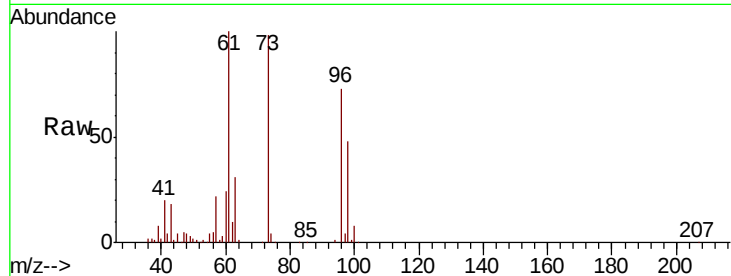
Ion 86.00 (85.70 to 86.70): VW



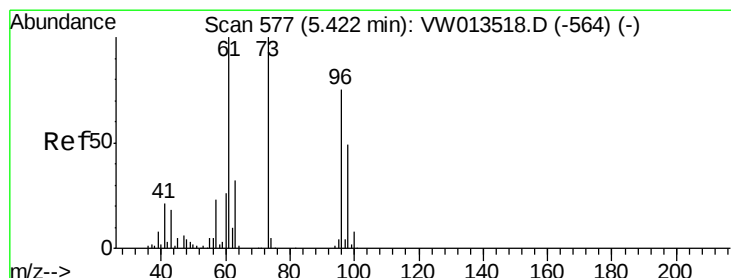
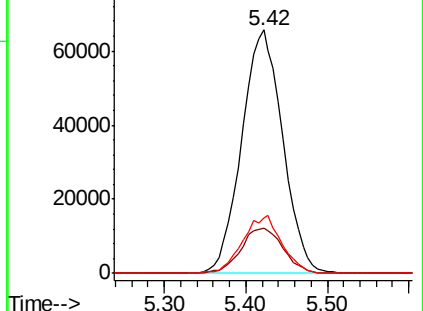
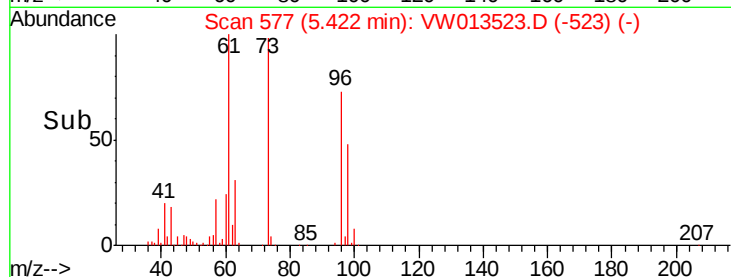


#17
Methvl tert-butvl Ether
Concen: 22.251 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013523.D
Acq: 10 Oct 2019 16:45

Tot Ion	Ratio	Lower	Upper
73	100		
43	19.1	15.0	22.4
57	22.5	18.1	27.1

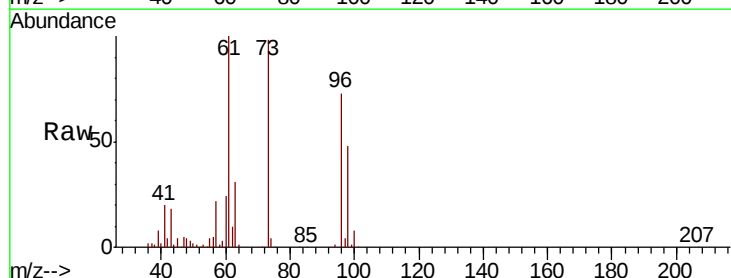


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

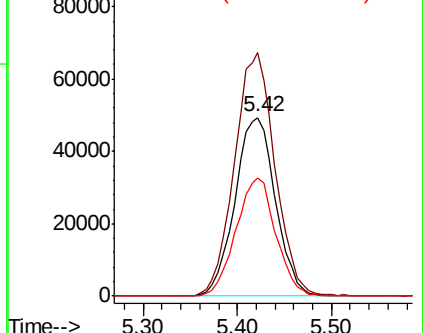
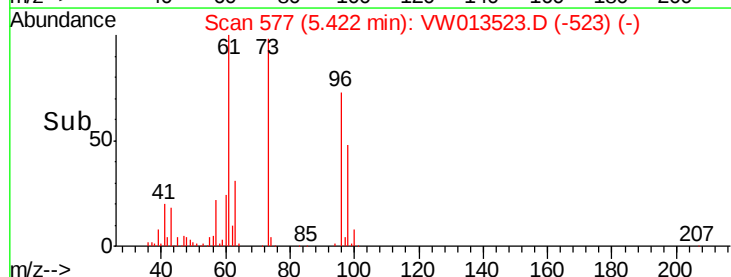


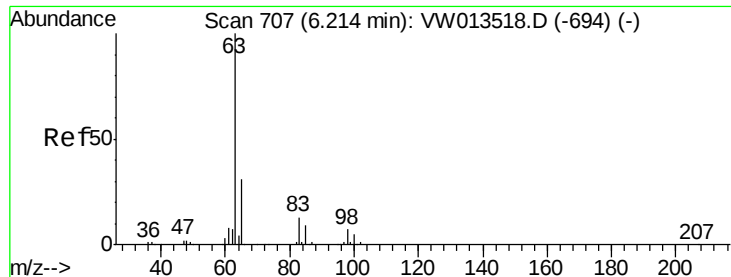
#18
trans-1,2-Dichloroethene
Concen: 21.672 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013523.D
Acq: 10 Oct 2019 16:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.4	93.7	173.9
98	65.9	46.1	85.7



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: 21.922 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013523.D

Acq: 10 Oct 2019 16:45

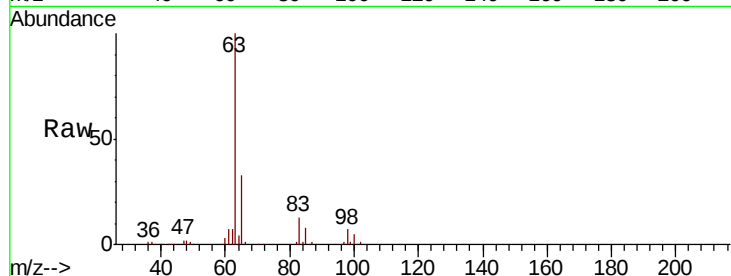
Tot Ion: 63 Resp: 252065

Ion Ratio Lower Upper

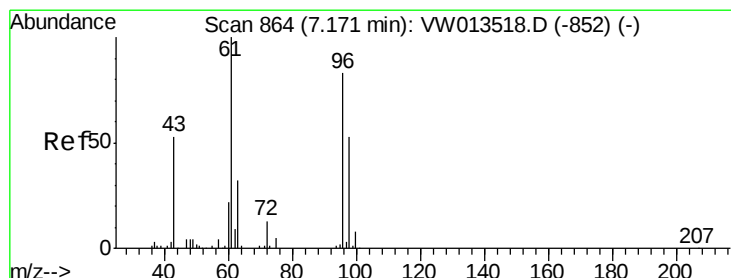
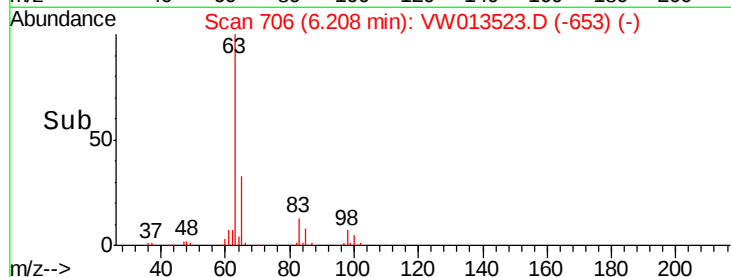
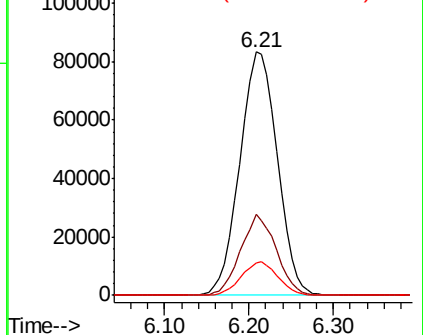
63 100

65 33.1 21.6 40.0

83 13.3 9.0 16.6



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: 41.317 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013523.D

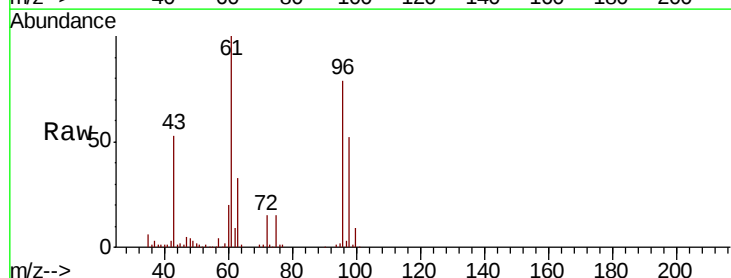
Acq: 10 Oct 2019 16:45

Tgt Ion: 43 Resp: 102392

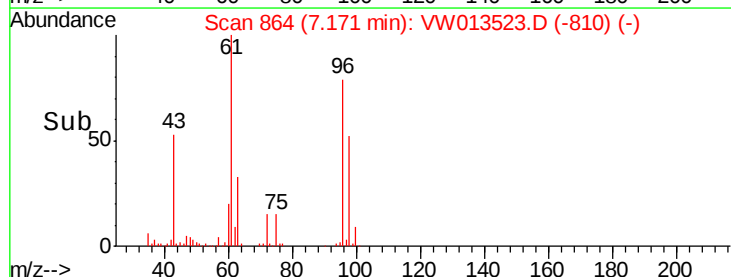
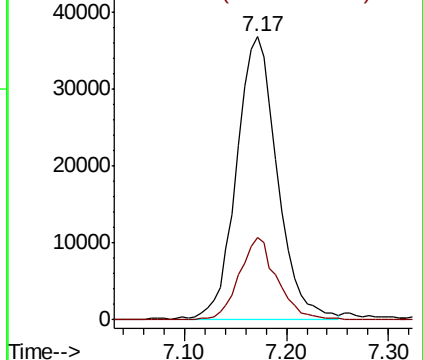
Ion Ratio Lower Upper

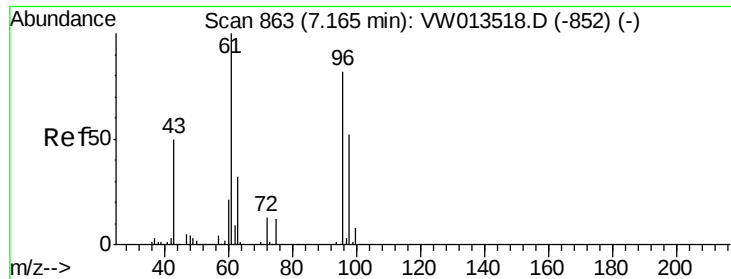
43 100

72 26.8 13.5 40.4



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

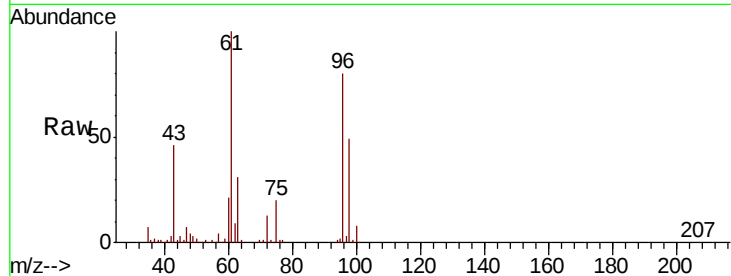




#22

cis-1,2-Dichloroethene
Concen: 21.692 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013523.D
Acq: 10 Oct 2019 16:45

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.1	86.0	159.8
98	61.4	44.4	82.5

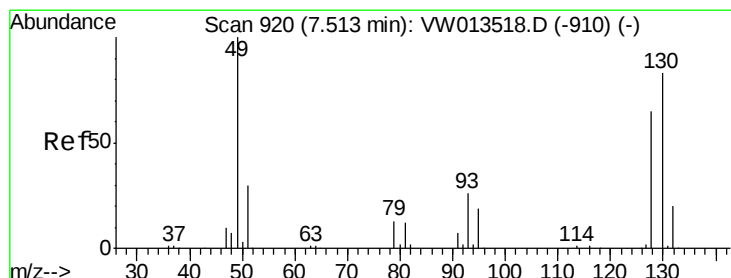
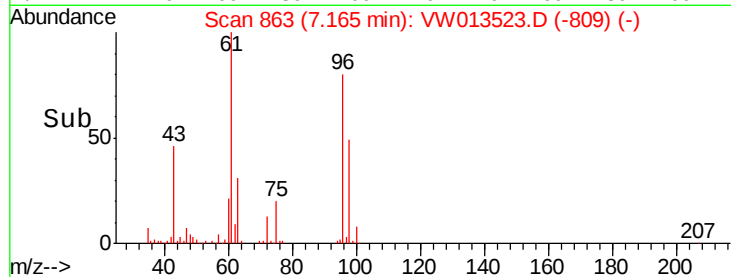
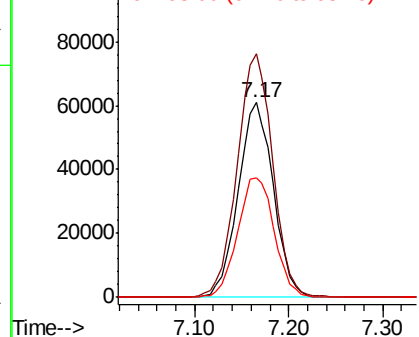


Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

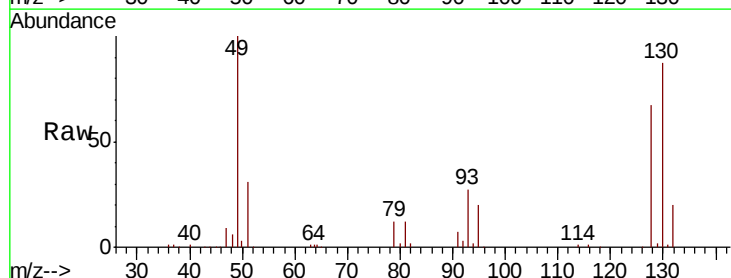
Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane
Concen: 21.767 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW013523.D
Acq: 10 Oct 2019 16:45

Tgt Ion	Ratio	Lower	Upper
128	100		
49	149.2	108.0	200.6
130	129.8	89.4	166.0
51	46.0	37.4	56.2



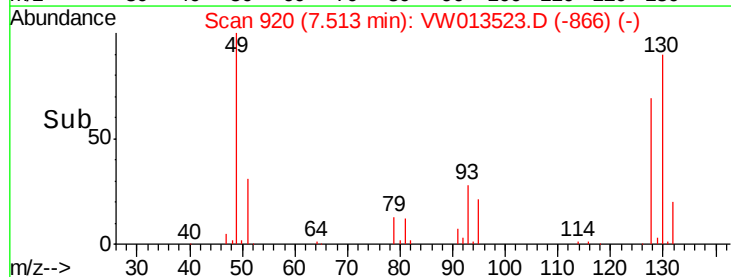
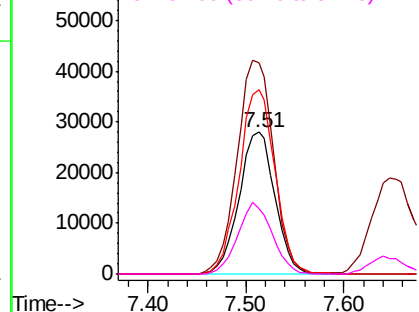
Abundance

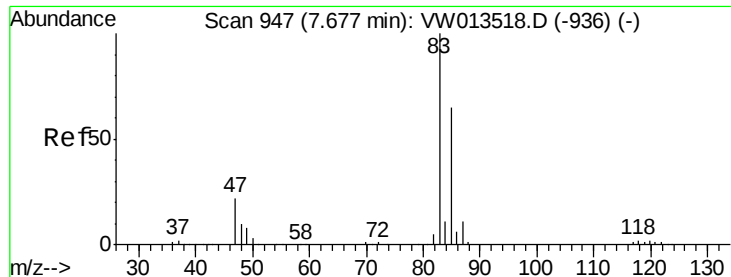
Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

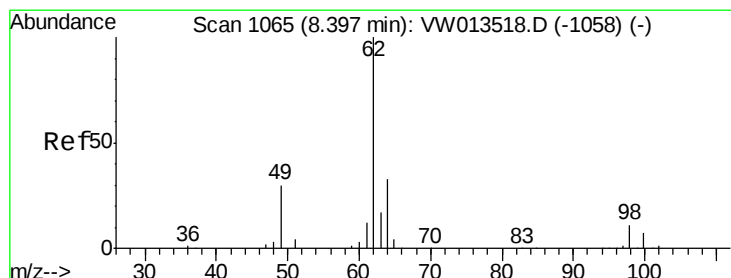
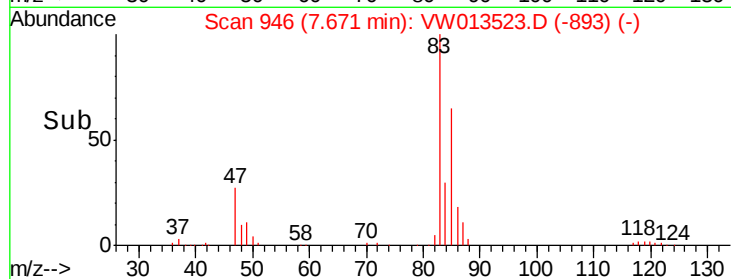
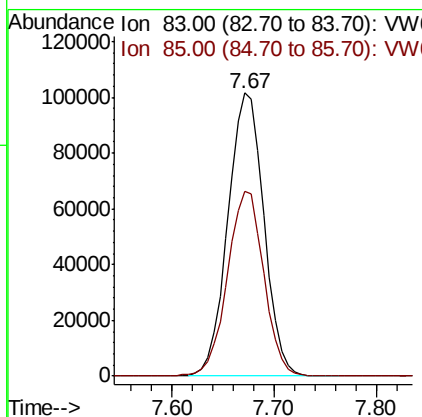
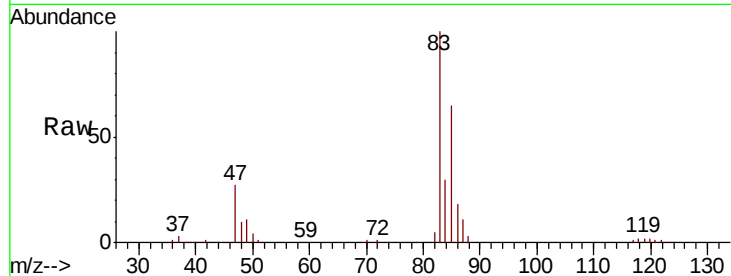
Ion 51.00 (50.70 to 51.70): VW





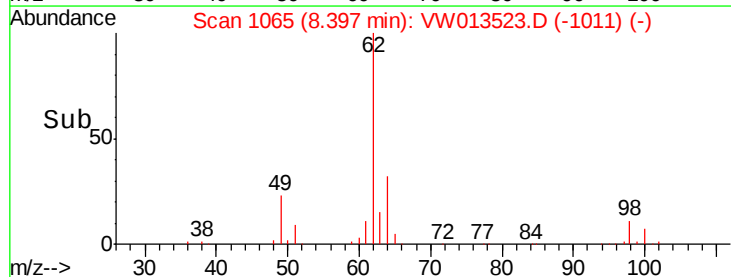
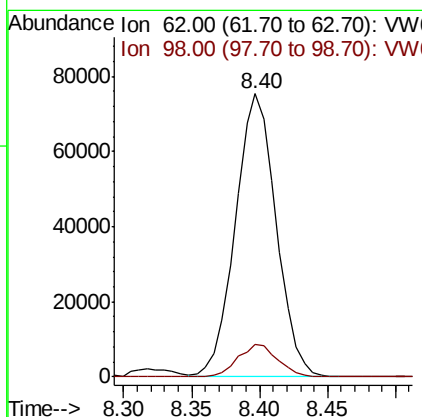
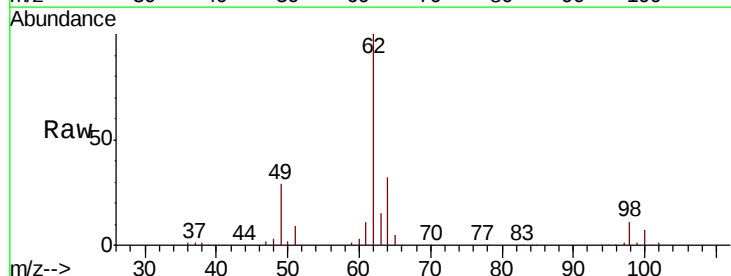
#25
Chloroform
Concen: 21.888 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013523.D
Acq: 10 Oct 2019 16:45

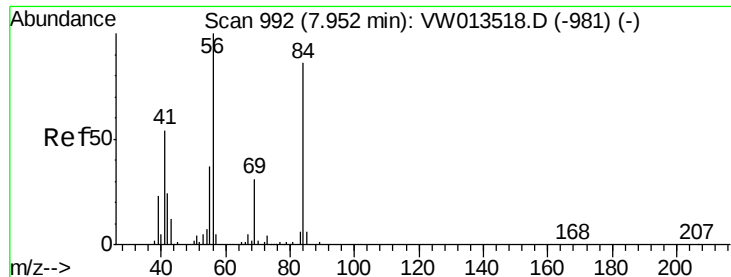
Tot Ion: 83 Resp: 248285
Ion Ratio Lower Upper
83 100
85 66.0 46.1 85.5



#27
1,2-Dichloroethane
Concen: 22.046 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013523.D
Acq: 10 Oct 2019 16:45

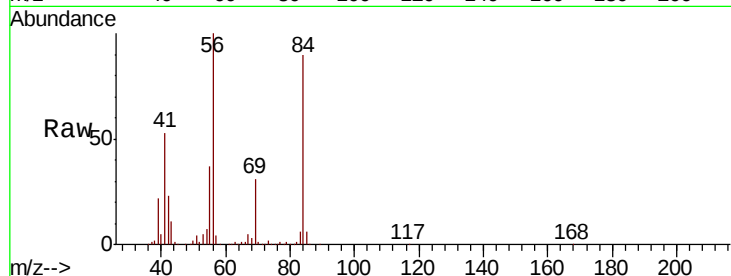
Tgt Ion: 62 Resp: 158169
Ion Ratio Lower Upper
62 100
98 11.3 9.0 13.4



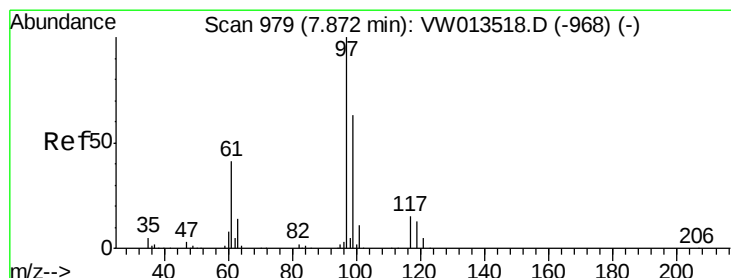
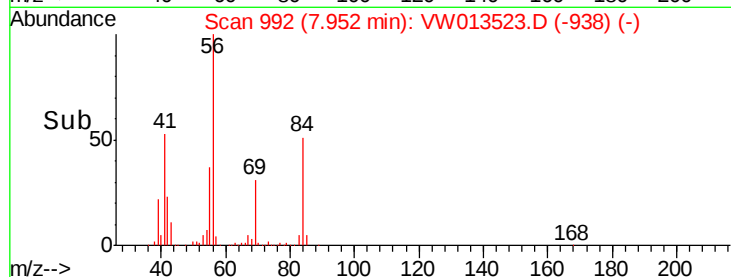
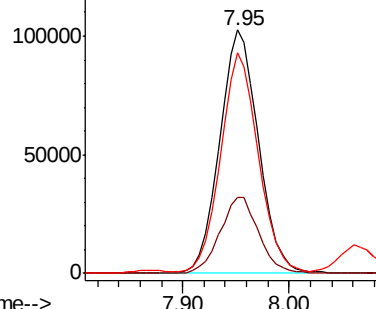


#30
Cyclohexane
Concen: 22.067 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW013523.D
Acq: 10 Oct 2019 16:45

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.7	37.1
84	88.6	70.4	105.6

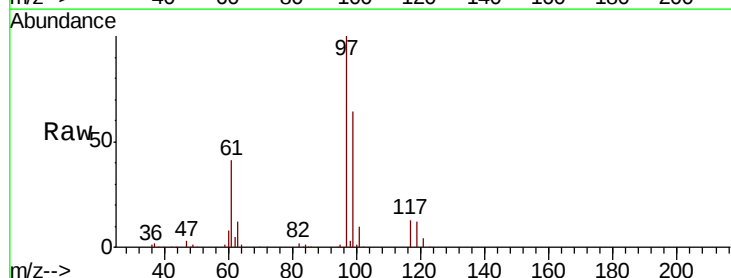


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

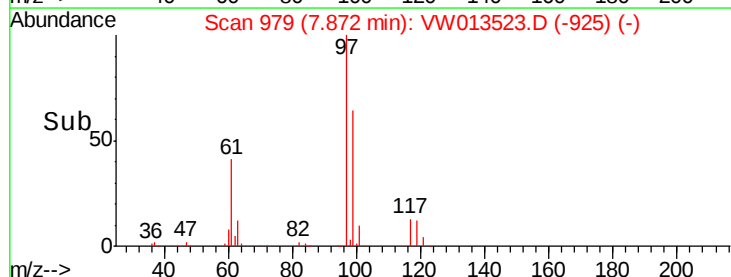
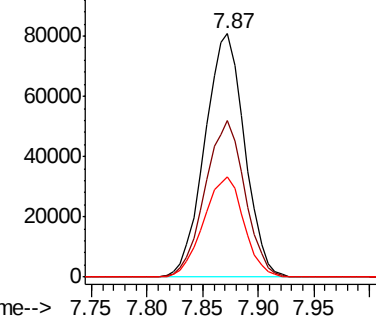


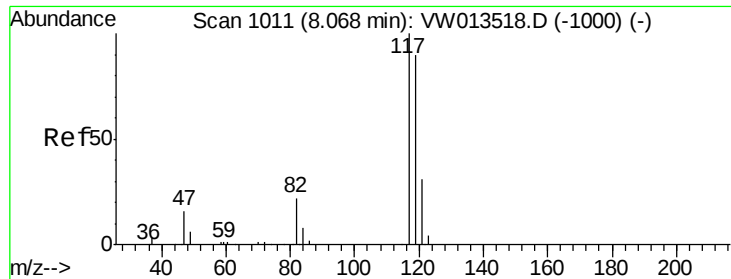
#31
1,1,1-Trichloroethane
Concen: 22.070 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013523.D
Acq: 10 Oct 2019 16:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.8
61	41.9	33.7	50.5



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 21.871 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013523.D

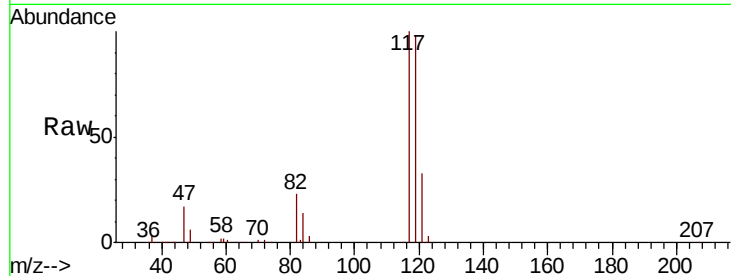
Acq: 10 Oct 2019 16:45

Tot Ion:117 Resp: 190312

Ion Ratio Lower Upper

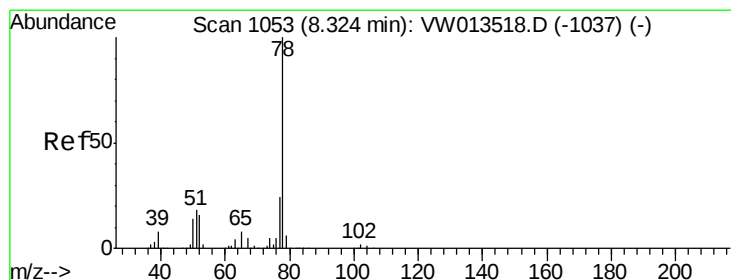
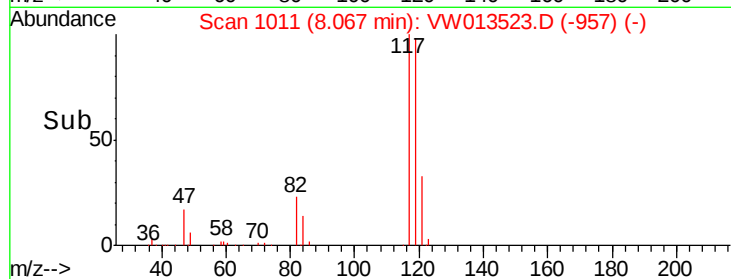
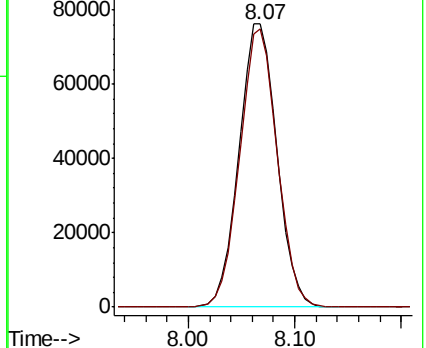
117 100

119 97.2 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 21.752 ug/L

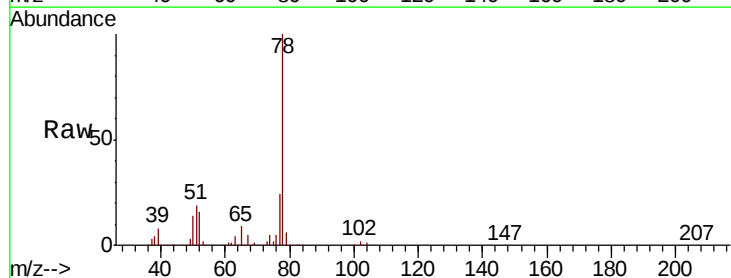
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

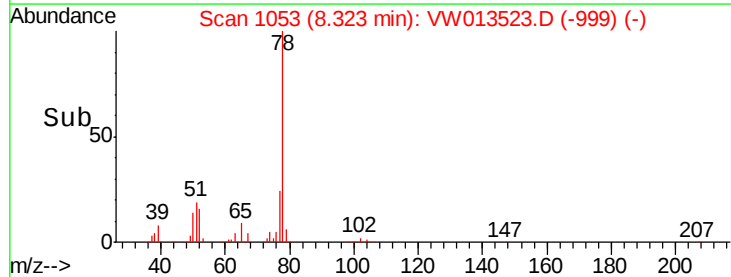
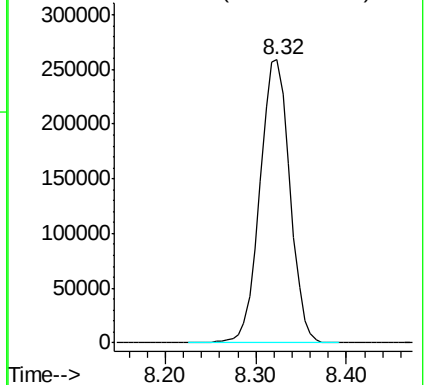
Lab File: VW013523.D

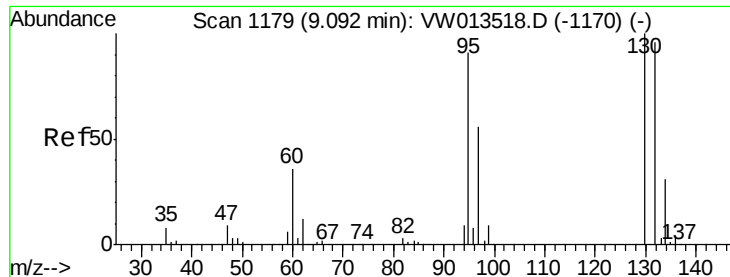
Acq: 10 Oct 2019 16:45

Tgt Ion: 78 Resp: 591876



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 21.752 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013523.D

Acq: 10 Oct 2019 16:45

Tot Ion: 95 Resp: 154391

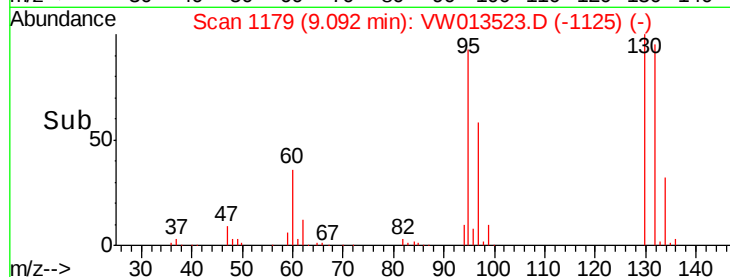
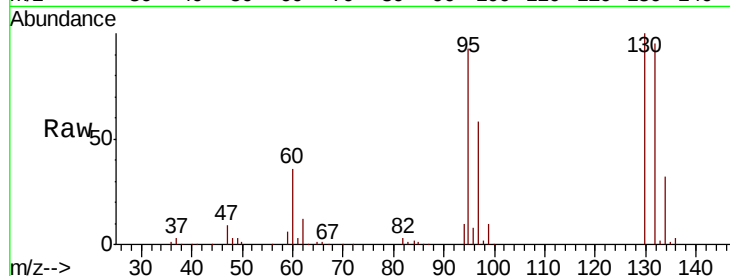
Ion Ratio Lower Upper

95 100

97 64.2 45.1 83.7

132 104.7 73.6 136.8

130 108.3 76.3 141.7

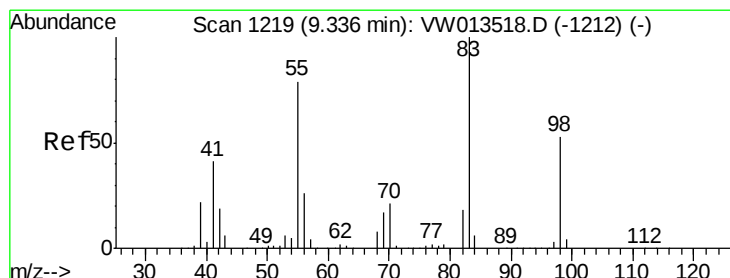
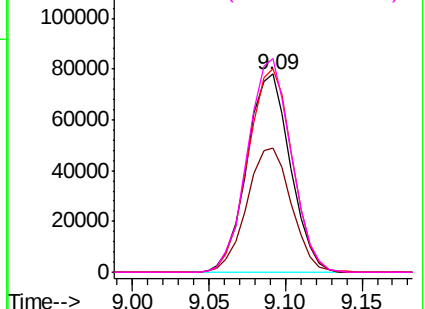


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 22.165 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW013523.D

Acq: 10 Oct 2019 16:45

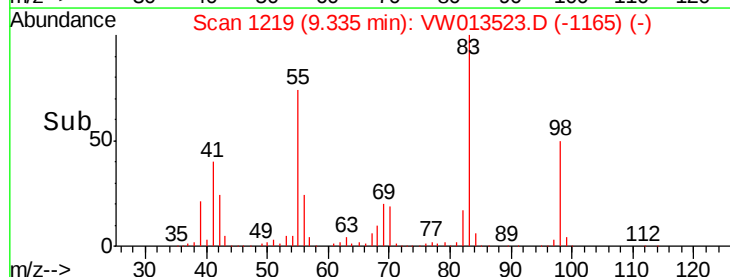
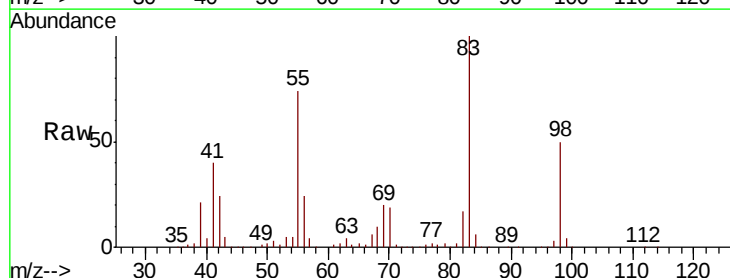
Tgt Ion: 83 Resp: 286093

Ion Ratio Lower Upper

83 100

55 74.9 60.4 90.6

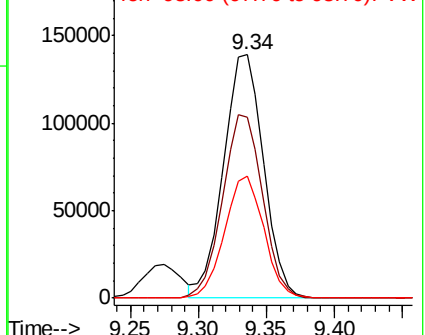
98 48.9 39.3 58.9

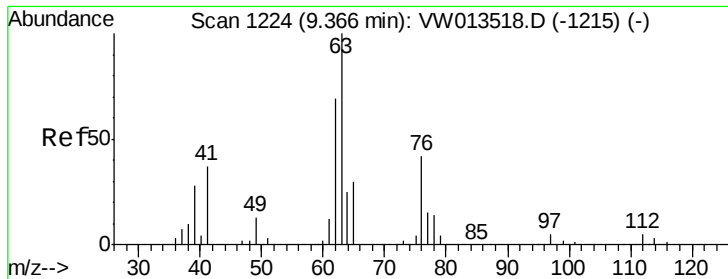


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 21.823 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013523.D

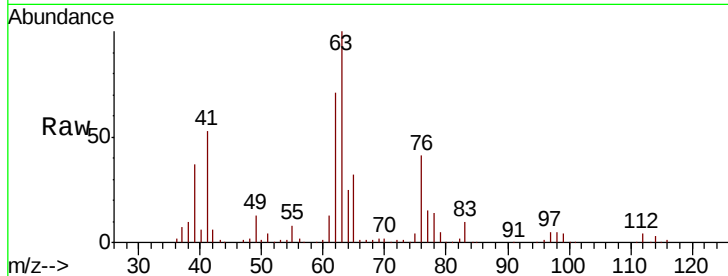
Acq: 10 Oct 2019 16:45

Tot Ion: 63 Resp: 143052

Ion Ratio Lower Upper

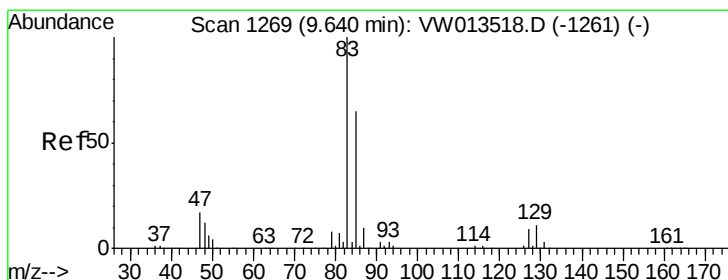
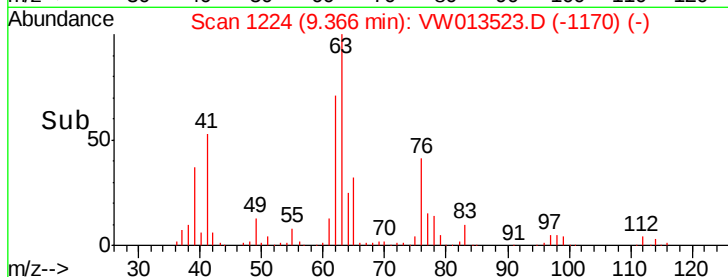
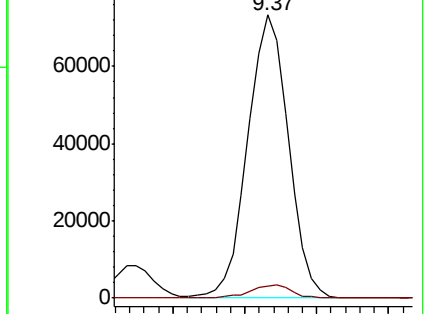
63 100

112 4.8 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 22.003 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013523.D

Acq: 10 Oct 2019 16:45

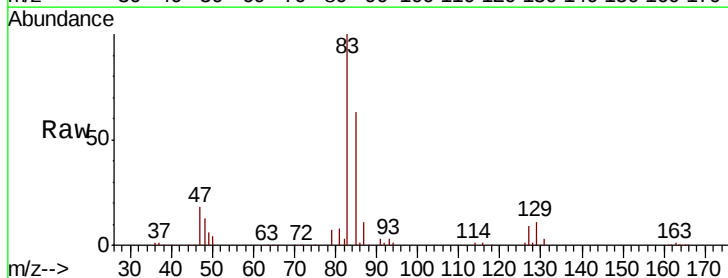
Tgt Ion: 83 Resp: 177148

Ion Ratio Lower Upper

83 100

85 62.9 45.1 83.9

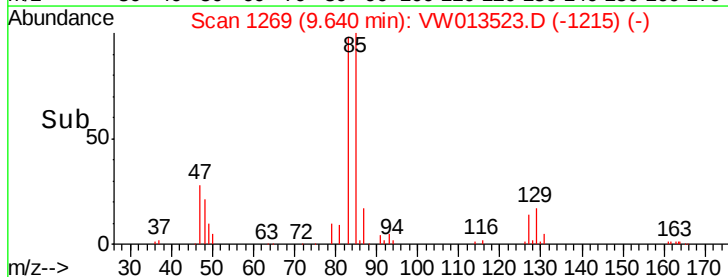
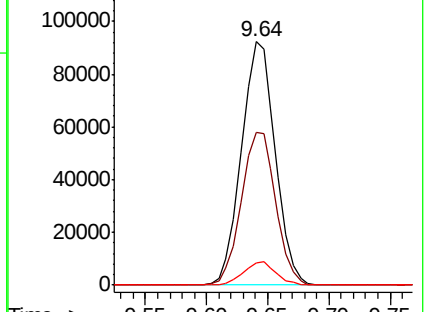
127 8.9 7.1 10.7

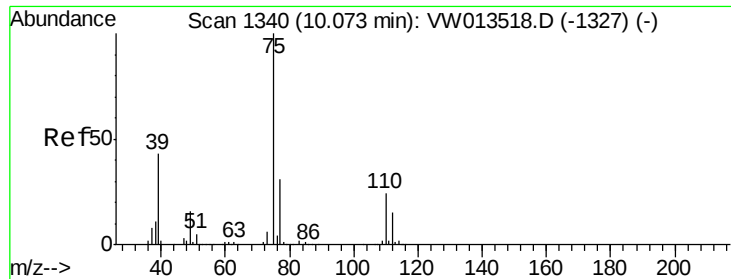


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

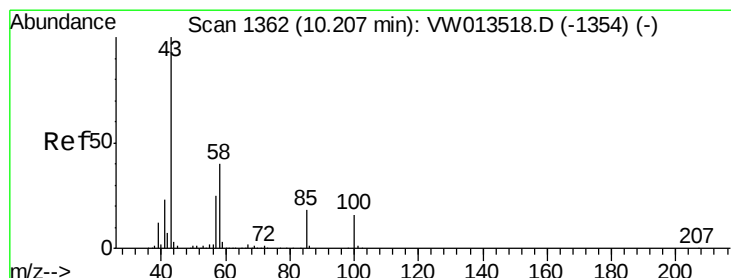
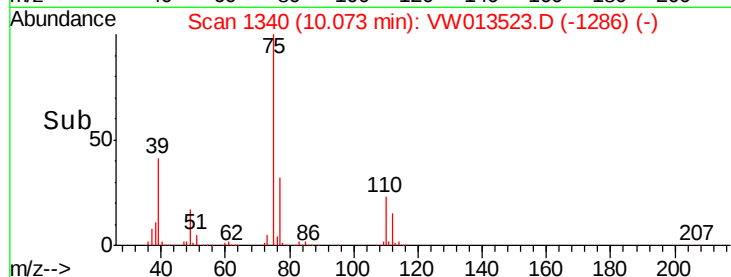
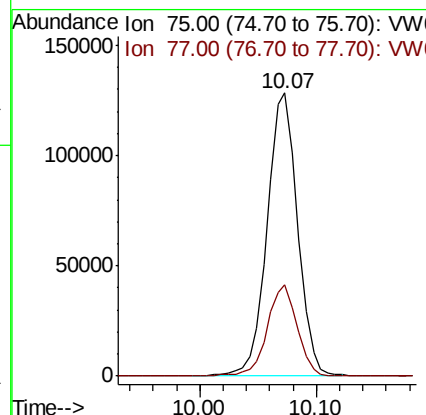
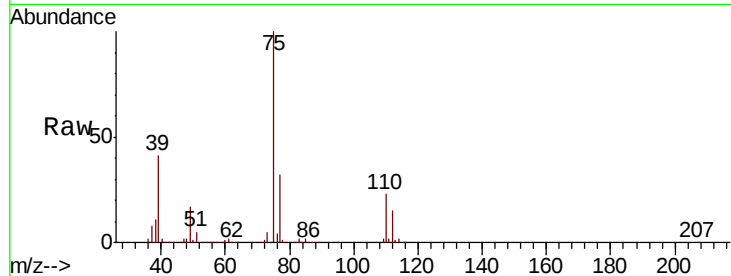
Ion 127.00 (126.70 to 127.70): V





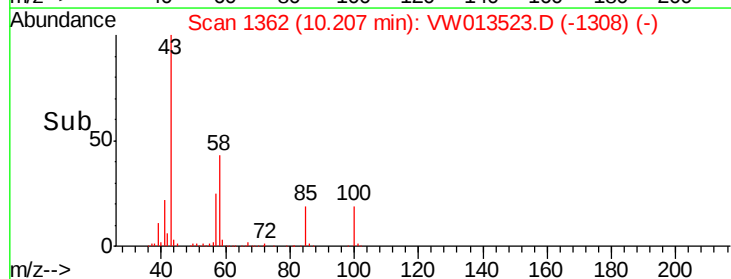
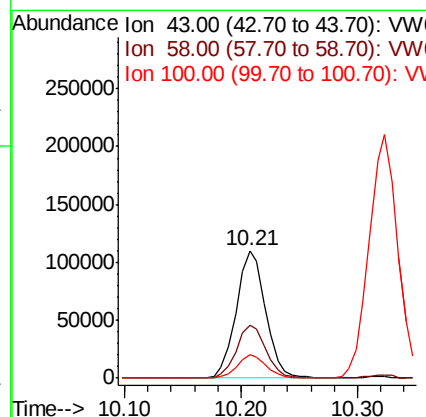
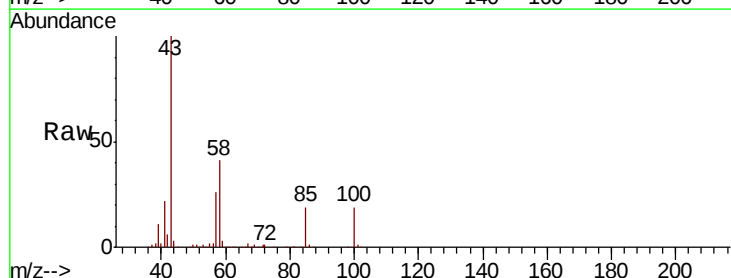
#42
 cis-1,3-Dichloropropene
 Concen: 22.268 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013523.D
 Acq: 10 Oct 2019 16:45

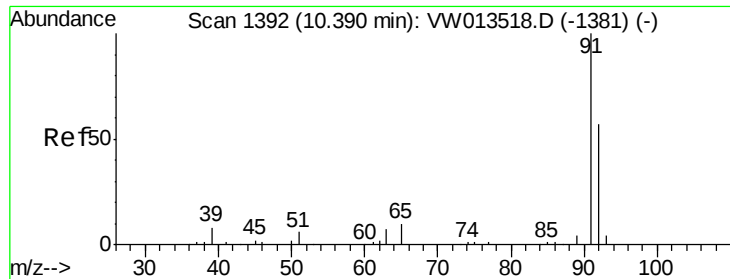
Tot Ion: 75 Resp: 234166
 Ion Ratio Lower Upper
 75 100
 77 32.2 21.6 40.2



#43
 4-Methyl-2-pentanone
 Concen: 42.160 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013523.D
 Acq: 10 Oct 2019 16:45

Tgt Ion: 43 Resp: 192823
 Ion Ratio Lower Upper
 43 100
 58 41.9 32.0 48.0
 100 17.8 13.7 20.5





#44

Toluene

Concen: 21.914 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW013523.D

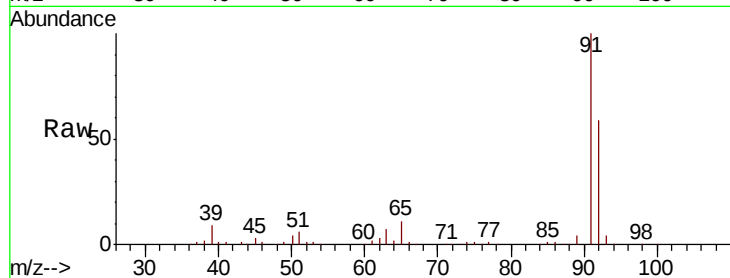
Acq: 10 Oct 2019 16:45

Tot Ion: 91 Resp: 646215

Ion Ratio Lower Upper

91 100

92 59.0 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

400000

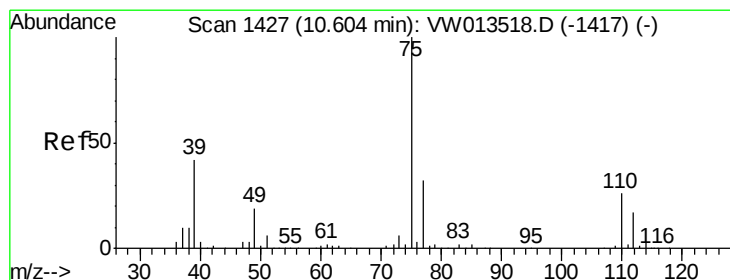
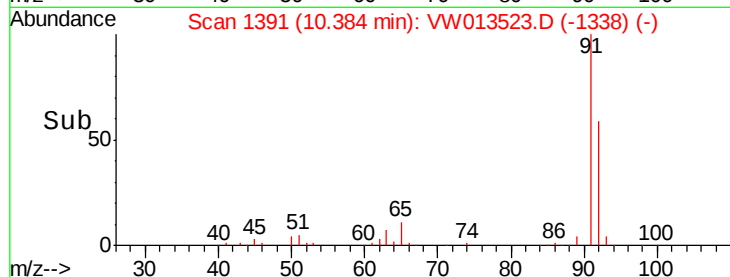
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 22.351 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013523.D

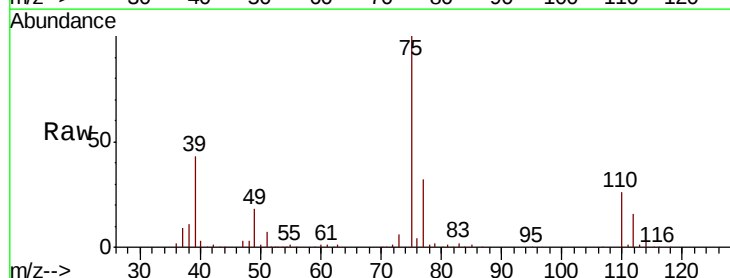
Acq: 10 Oct 2019 16:45

Tgt Ion: 75 Resp: 185596

Ion Ratio Lower Upper

75 100

77 31.6 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

120000

100000

80000

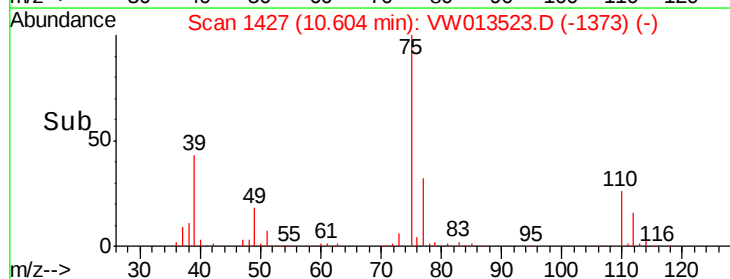
60000

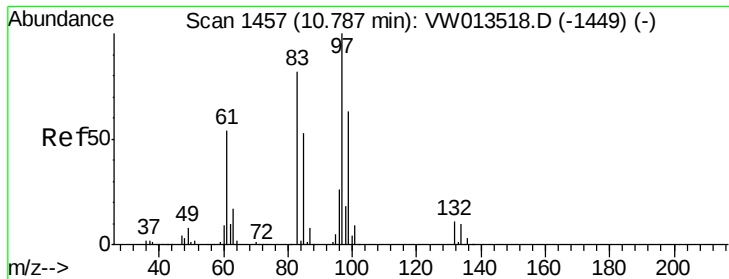
40000

20000

0

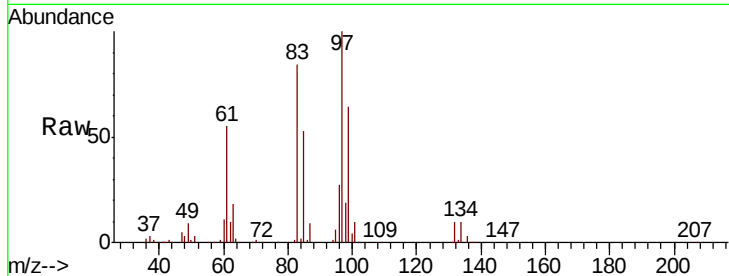
Time-->





#46
1,1,2-Trichloroethane
Concen: 21.929 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW013523.D
Acq: 10 Oct 2019 16:45

Tot Ion:	97	Resp:	109114
Ion	Ratio	Lower	Upper
97	100		
83	84.4	57.5	106.9
85	53.3	36.8	68.4
99	63.8	44.0	81.6



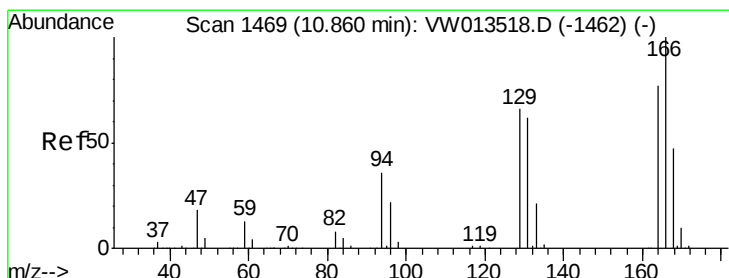
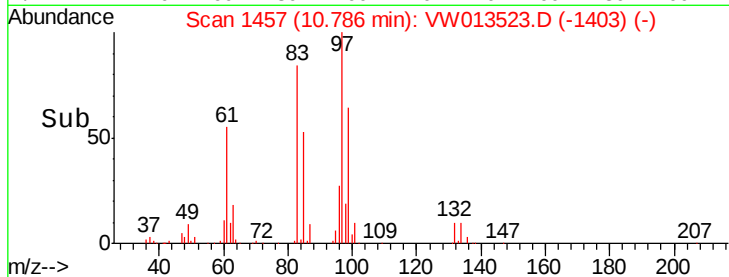
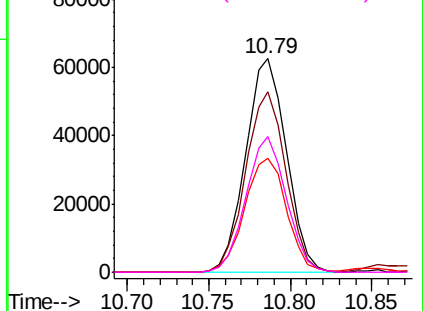
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

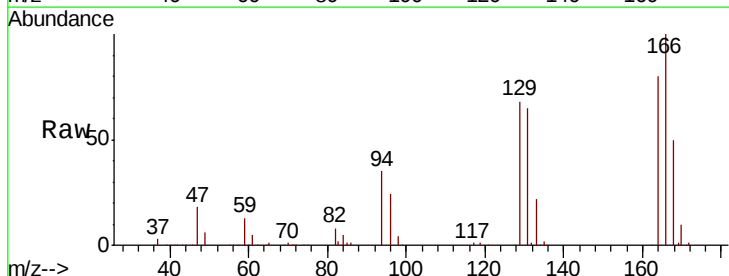
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
Tetrachloroethene
Concen: 22.095 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013523.D
Acq: 10 Oct 2019 16:45

Tgt Ion:	164	Resp:	142925
Ion	Ratio	Lower	Upper
164	100		
129	85.9	60.2	111.8
131	81.4	57.0	105.9
166	125.6	91.2	169.4



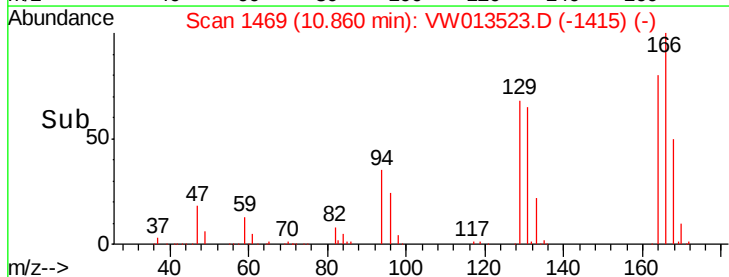
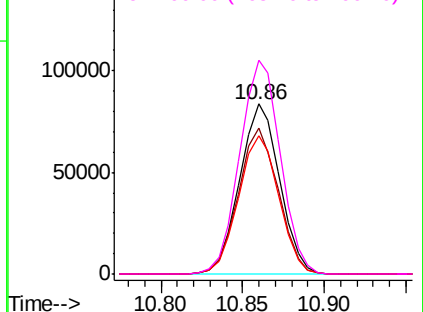
Abundance

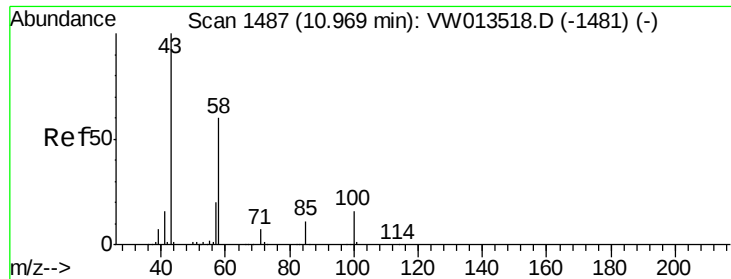
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

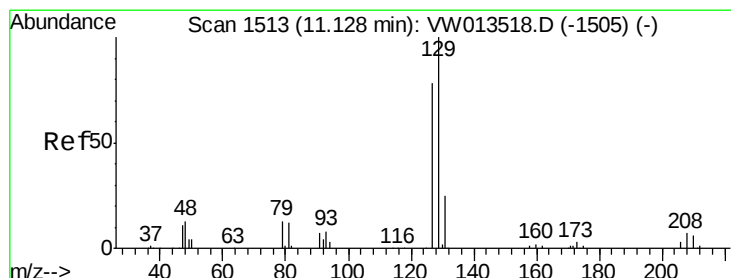
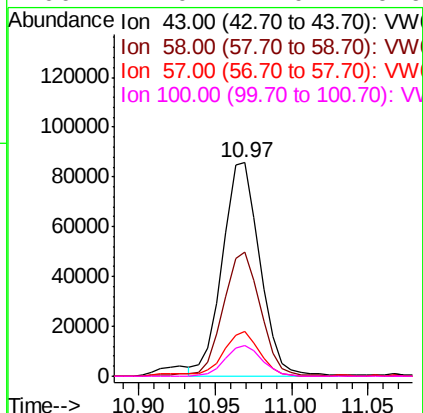
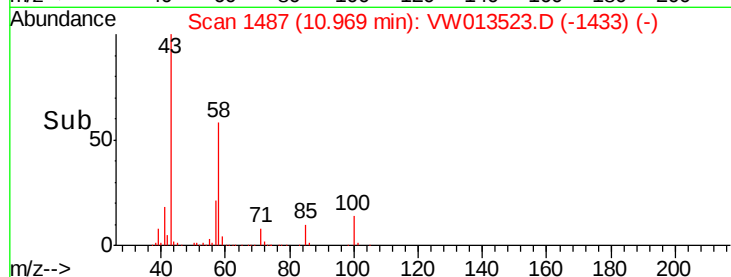
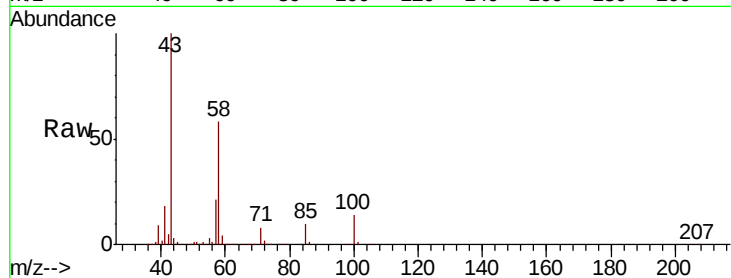




#49
2-Hexanone
Concen: 44.079 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013523.D
Acq: 10 Oct 2019 16:45

Tot Ion: 43 Resp: 146518

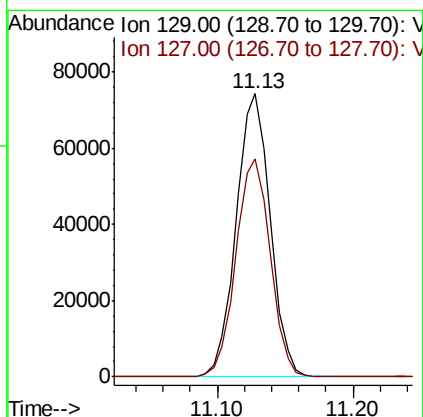
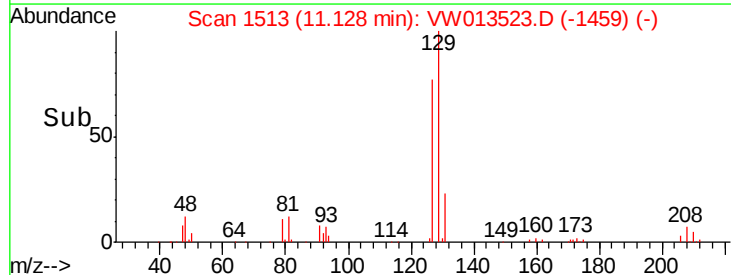
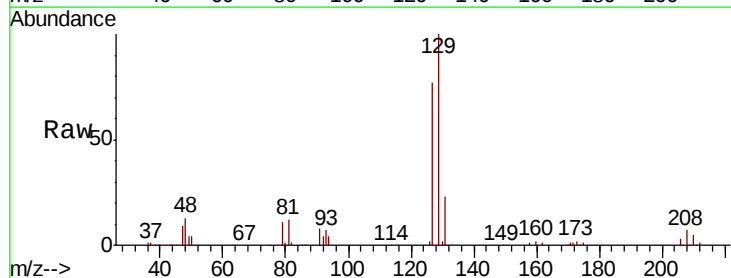
Ion	Ratio	Lower	Upper
43	100		
58	58.1	45.2	67.8
57	19.9	15.8	23.8
100	14.0	11.0	16.6

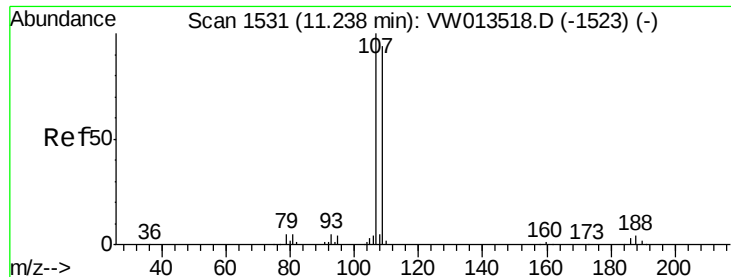


#50
Dibromochloromethane
Concen: 22.131 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013523.D
Acq: 10 Oct 2019 16:45

Tgt Ion: 129 Resp: 129658

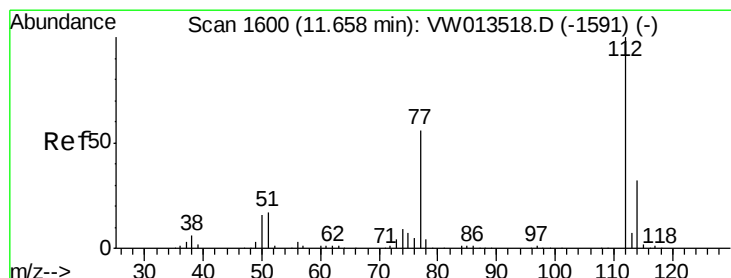
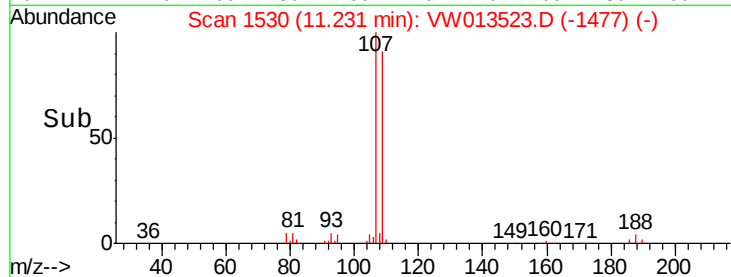
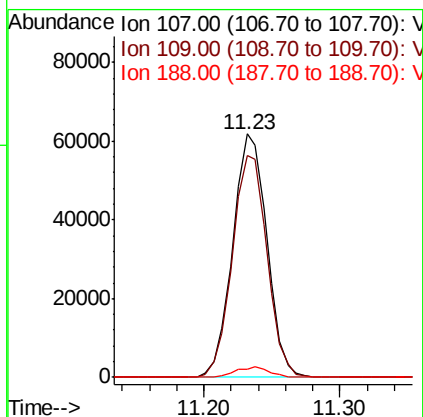
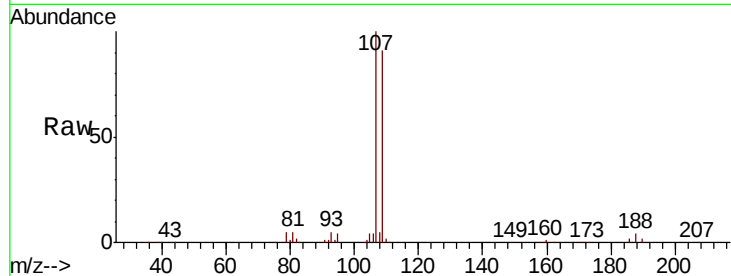
Ion	Ratio	Lower	Upper
129	100		
127	77.2	54.7	101.5





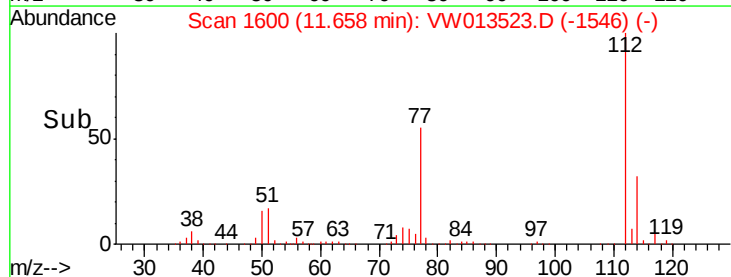
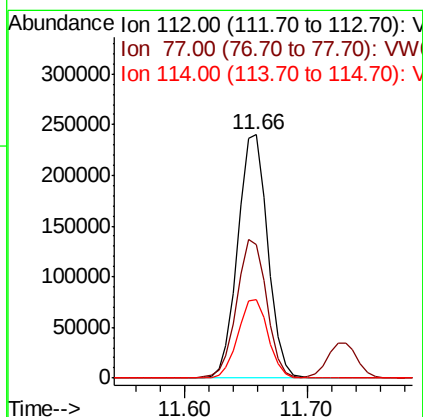
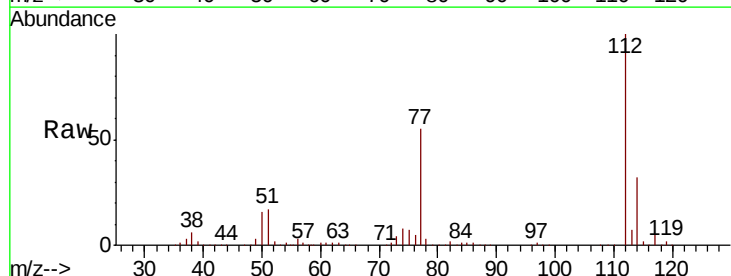
#51
1,2-Dibromoethane
Concen: 22.159 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW013523.D
Acq: 10 Oct 2019 16:45

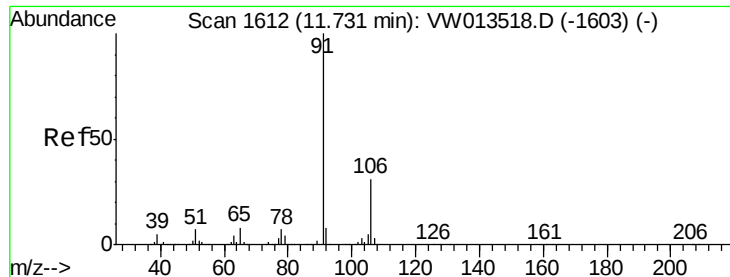
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.2	65.5	121.7
188	3.5	3.6	5.4#



#52
Chlorobenzene
Concen: 21.802 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013523.D
Acq: 10 Oct 2019 16:45

Tgt Ion	Ratio	Lower	Upper
112	100		
77	55.0	44.5	66.7
114	32.0	22.7	42.3





#53

Ethylbenzene

Concen: 21.937 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013523.D

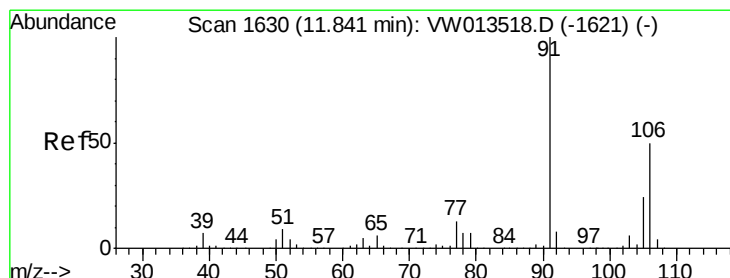
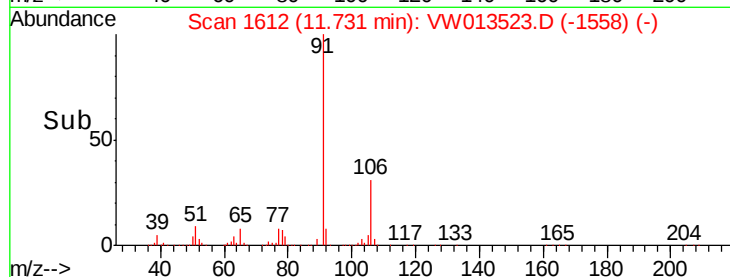
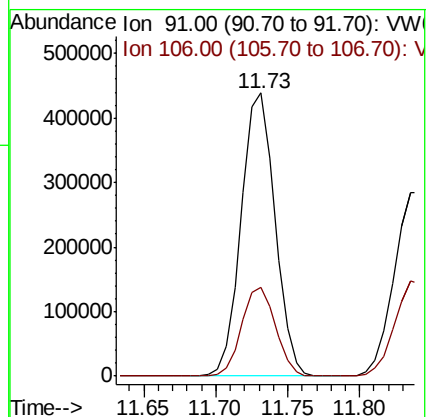
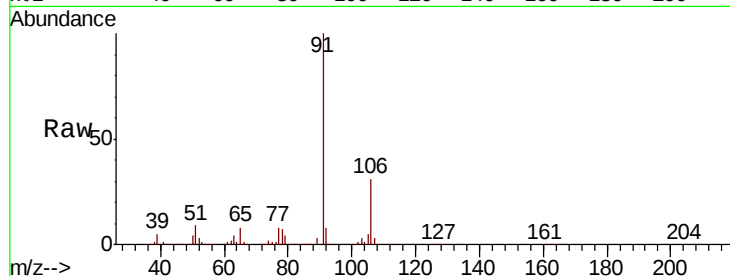
Acq: 10 Oct 2019 16:45

Tot Ion: 91 Resp: 716064

Ion Ratio Lower Upper

91 100

106 31.3 21.5 39.9



#54

m,p-Xylene

Concen: 21.878 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013523.D

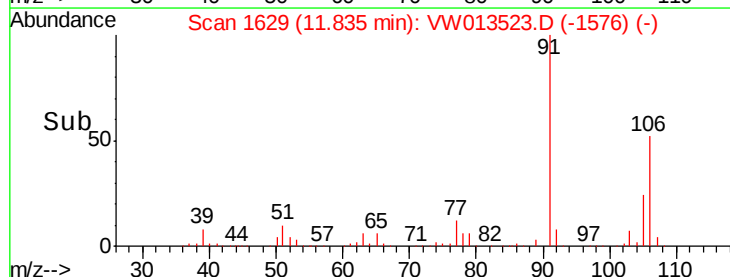
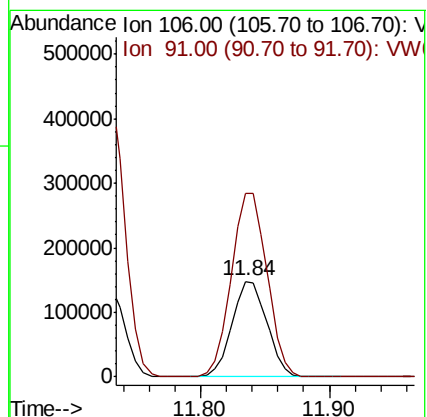
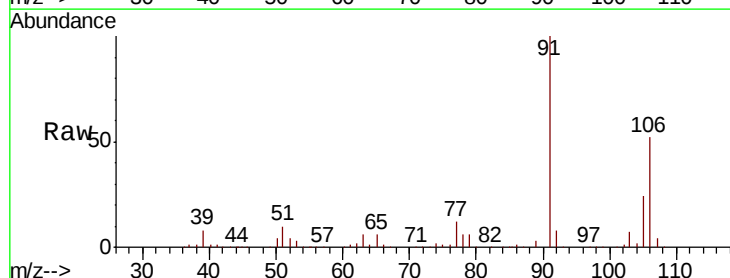
Acq: 10 Oct 2019 16:45

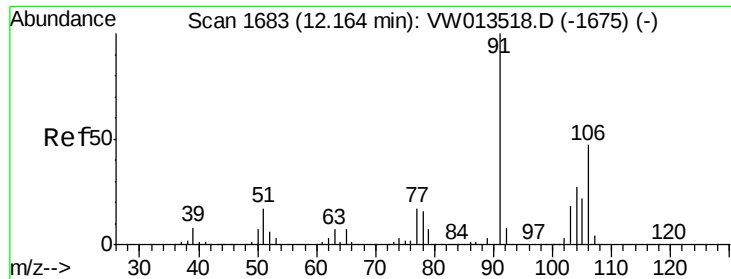
Tgt Ion: 106 Resp: 278593

Ion Ratio Lower Upper

106 100

91 192.8 139.4 258.8





#55

o-xylene

Concen: 22.068 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW013523.D

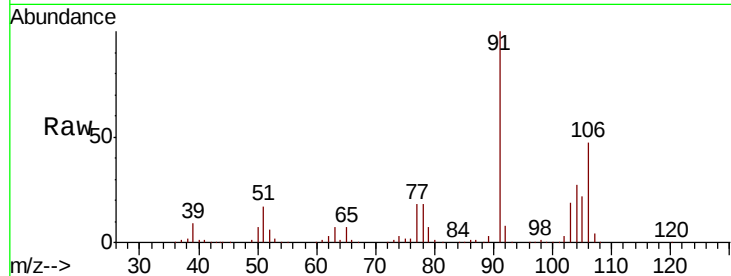
Acq: 10 Oct 2019 16:45

Tot Ion:106 Resp: 262305

Ion Ratio Lower Upper

106 100

91 213.1 148.4 275.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

400000

300000

200000

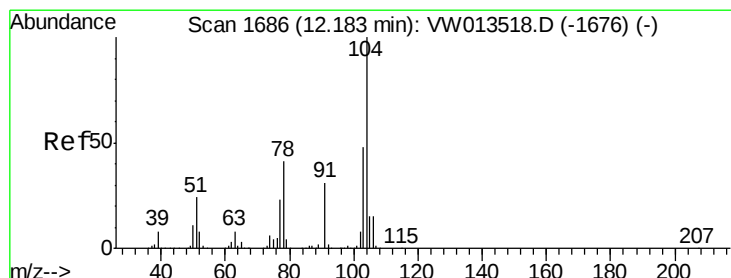
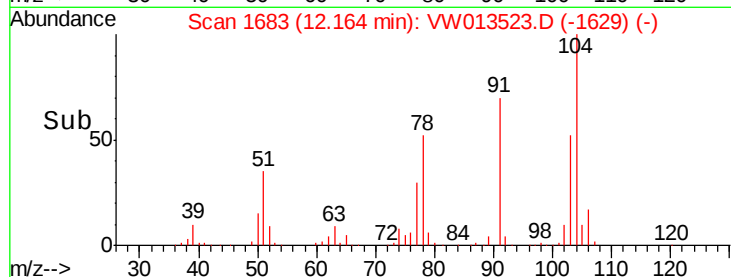
100000

0

12.10 12.15 12.20

12.16

Time-->



#56

Styrene

Concen: 22.327 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW013523.D

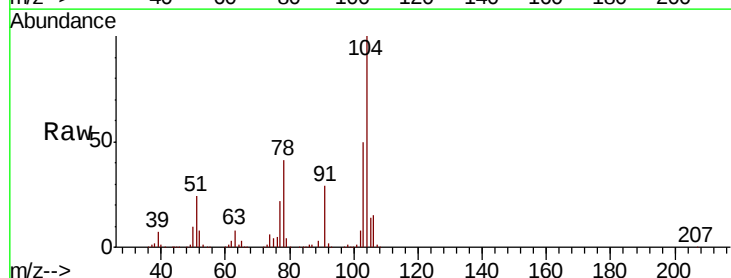
Acq: 10 Oct 2019 16:45

Tgt Ion:104 Resp: 451973

Ion Ratio Lower Upper

104 100

78 41.1 28.4 52.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

300000

250000

200000

150000

100000

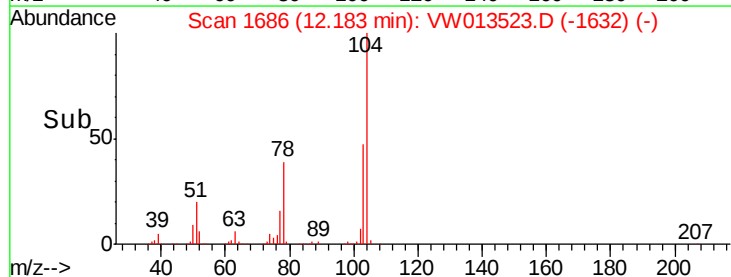
50000

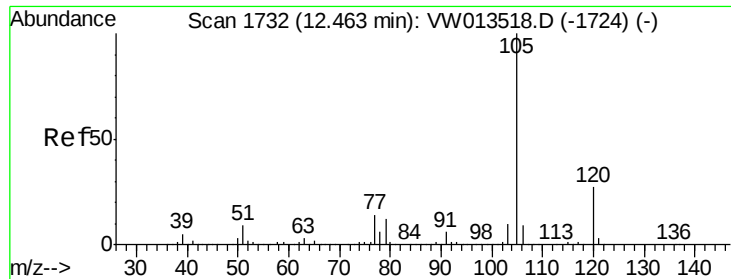
0

12.10 12.20

12.18

Time-->





#57

Isopropylbenzene

Concen: 22.105 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013523.D

Acq: 10 Oct 2019 16:45

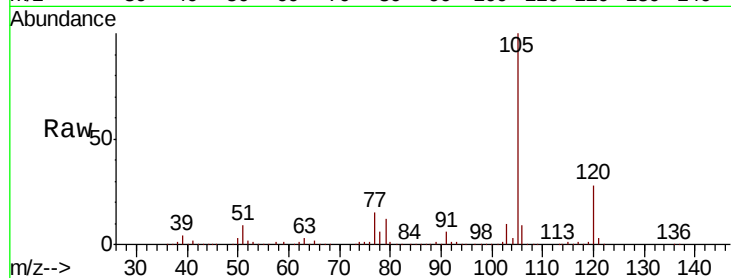
Tot Ion: 105 Resp: 712761

Ion Ratio Lower Upper

105 100

120 26.5 21.7 32.5

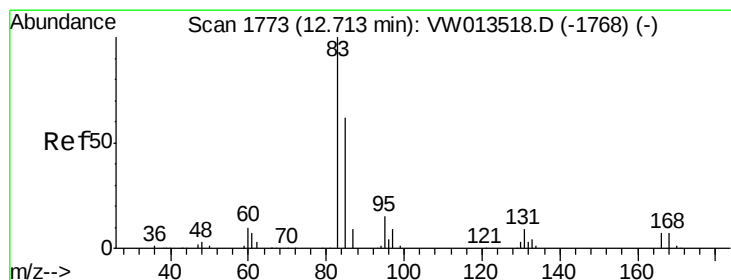
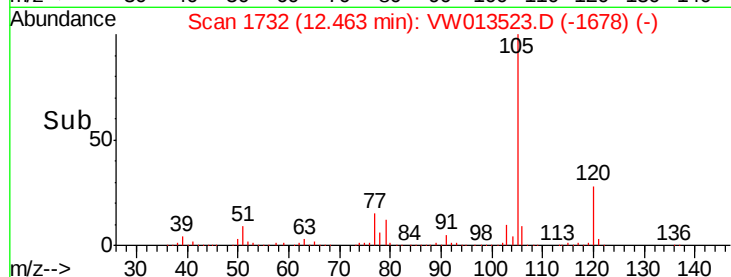
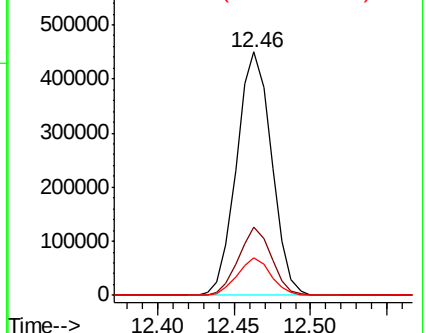
77 14.9 11.8 17.6



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: 21.515 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013523.D

Acq: 10 Oct 2019 16:45

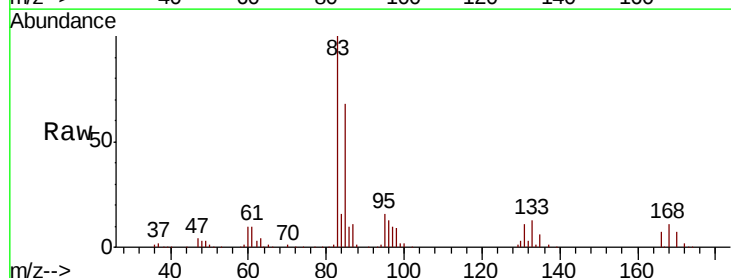
Tgt Ion: 83 Resp: 126481

Ion Ratio Lower Upper

83 100

85 68.1 44.7 83.1

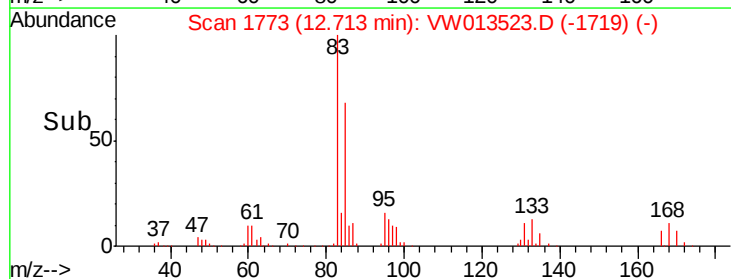
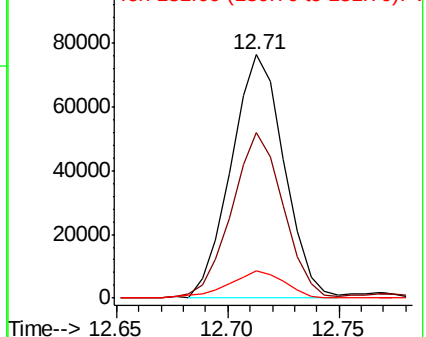
131 11.4 7.8 11.6

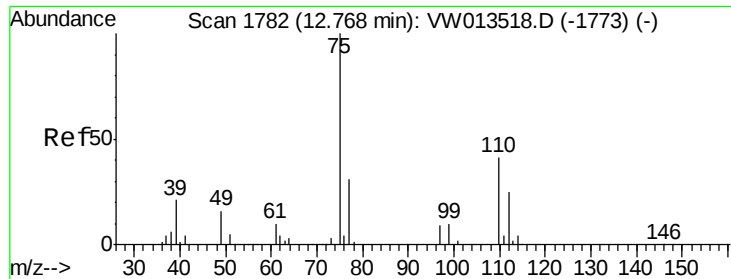


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 22.117 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013523.D

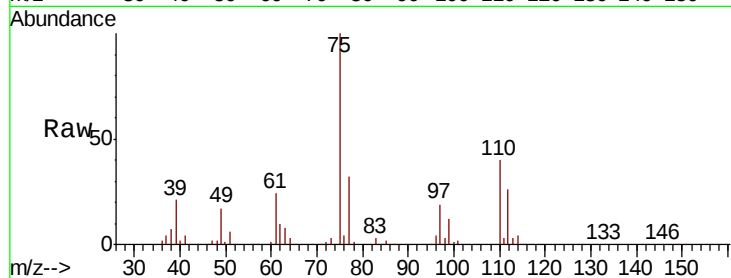
Acq: 10 Oct 2019 16:45

Tot Ion: 75 Resp: 97089

Ion Ratio Lower Upper

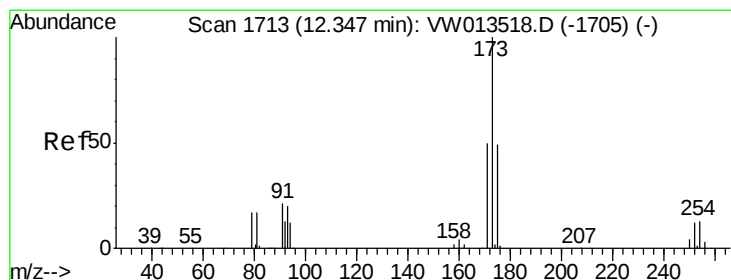
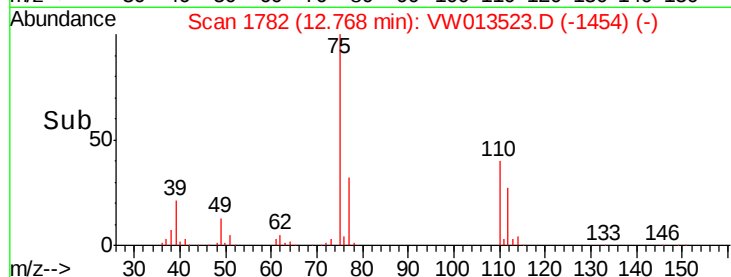
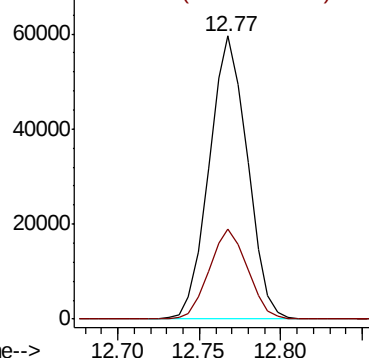
75 100

77 32.0 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 22.029 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013523.D

Acq: 10 Oct 2019 16:45

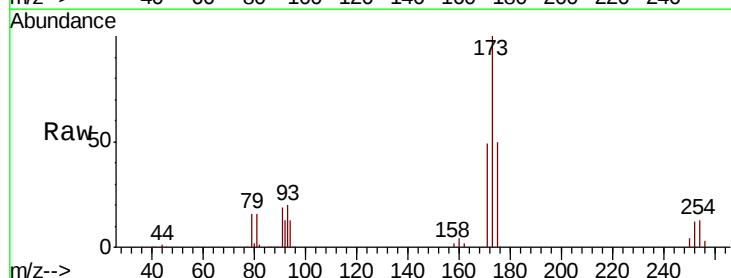
Tgt Ion: 173 Resp: 81771

Ion Ratio Lower Upper

173 100

175 49.0 39.0 58.6

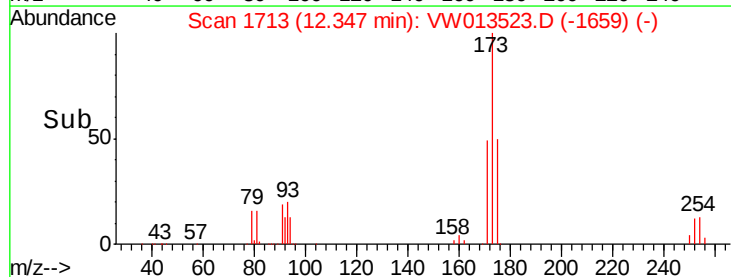
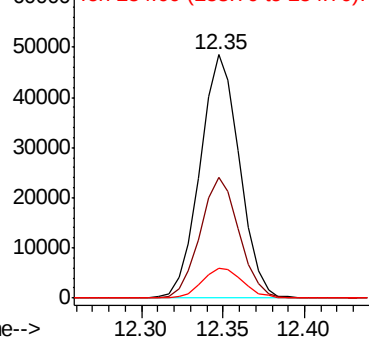
254 12.5 10.1 15.1

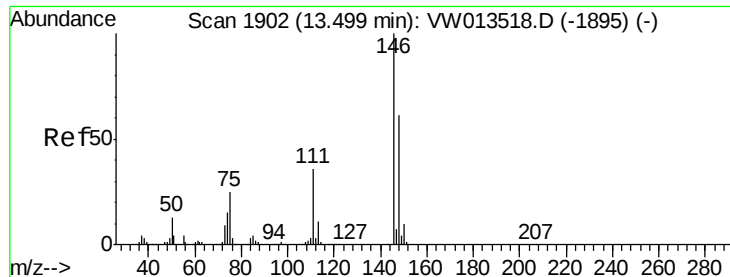


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

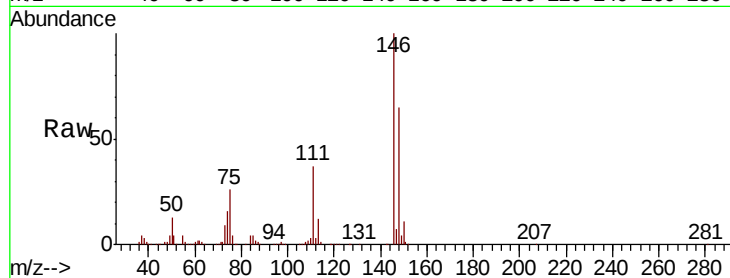
Ion 254.00 (253.70 to 254.70): V





#63
 1,3-Dichlorobenzene
 Concen: 21.452 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013523.D
 Acq: 10 Oct 2019 16:45

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	25.3	46.9
148	65.1	42.8	79.4

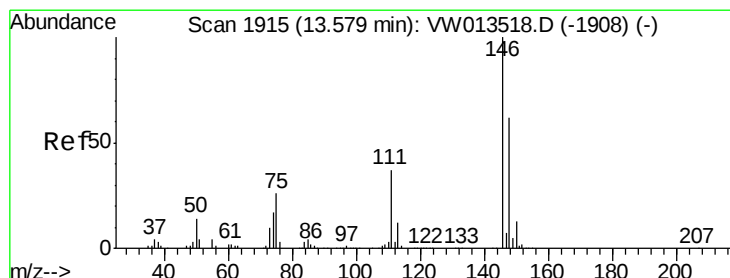
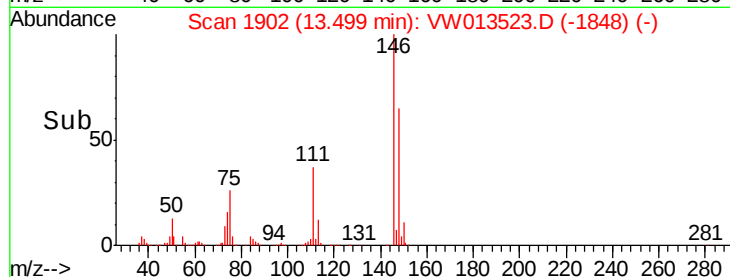
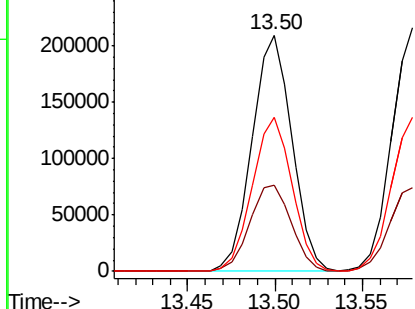


Abundance

Ion 146.00 (145.70 to 146.70): V

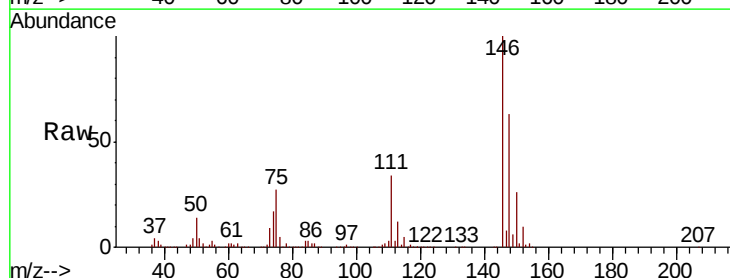
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64
 1,4-Dichlorobenzene
 Concen: 21.526 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013523.D
 Acq: 10 Oct 2019 16:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.4	25.8	47.8
148	63.4	43.7	81.1

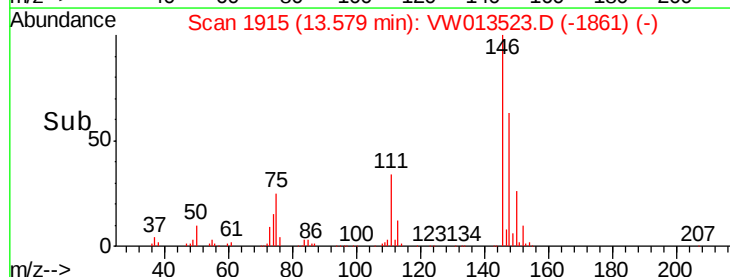
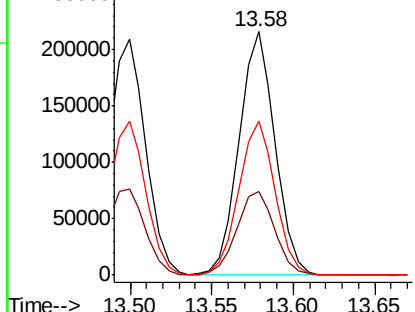


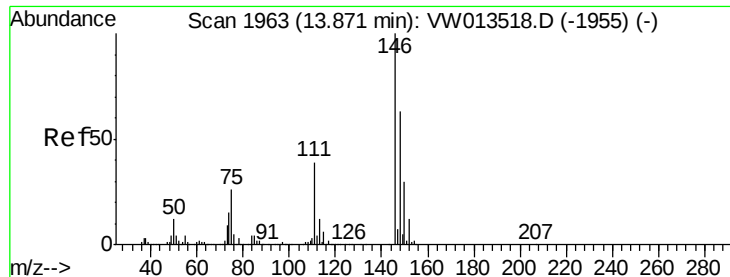
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 21.488 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013523.D

Acq: 10 Oct 2019 16:45

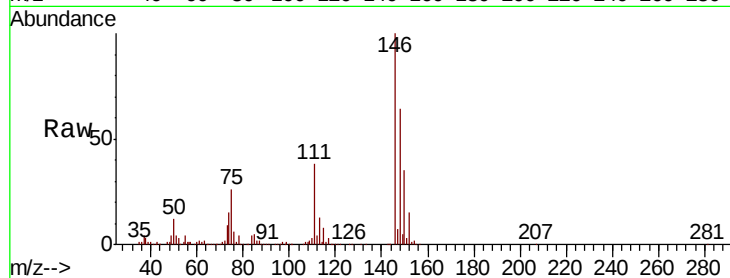
Tot Ion:146 Resp: 298778

Ion Ratio Lower Upper

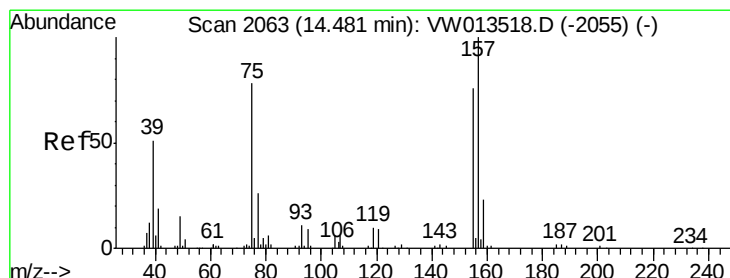
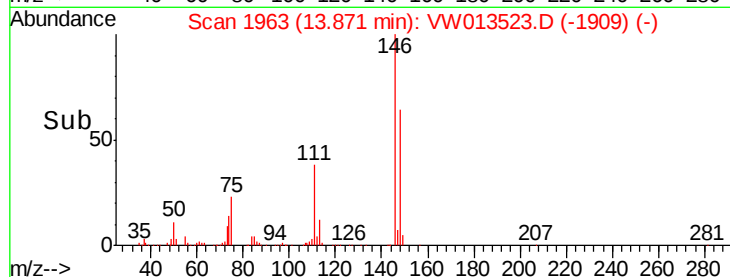
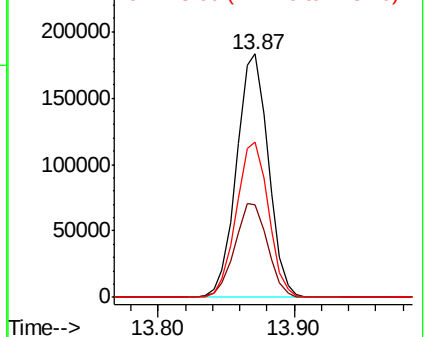
146 100

111 37.8 31.0 46.4

148 63.8 50.3 75.5



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



#66

1,2-Dibromo-3-chloropropane

Concen: 21.392 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW013523.D

Acq: 10 Oct 2019 16:45

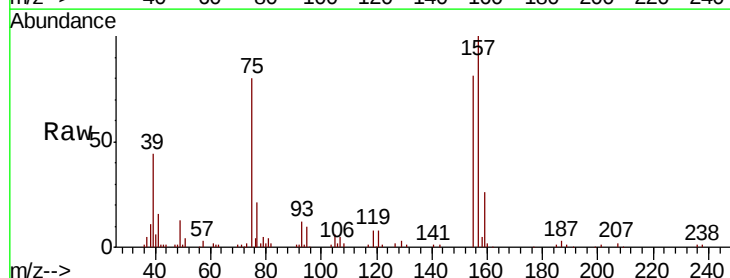
Tgt Ion: 75 Resp: 20535

Ion Ratio Lower Upper

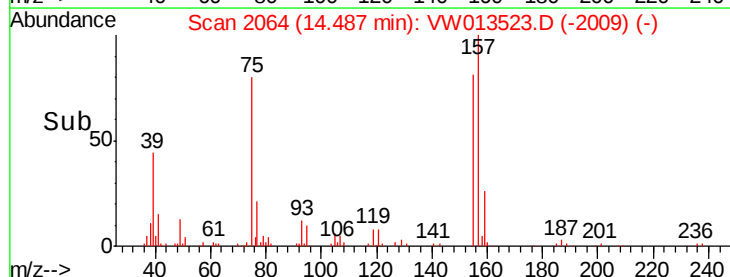
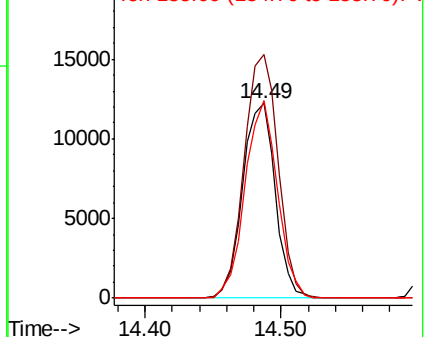
75 100

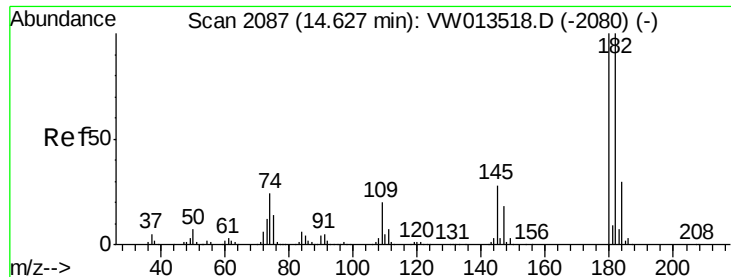
157 125.1 102.0 153.0

155 101.7 77.6 116.4



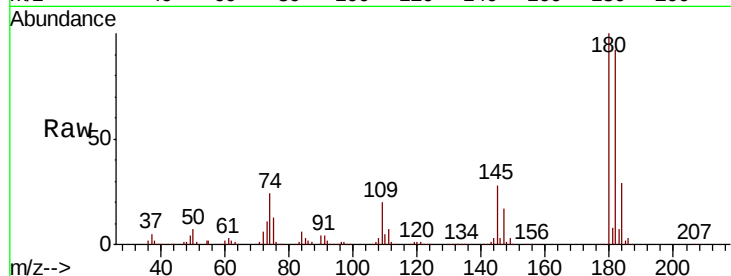
Abundance Ion 75.00 (74.70 to 75.70): VW
Ion 157.00 (156.70 to 157.70): V
Ion 155.00 (154.70 to 155.70): V



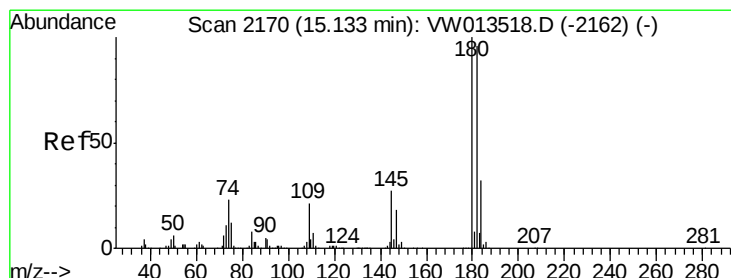
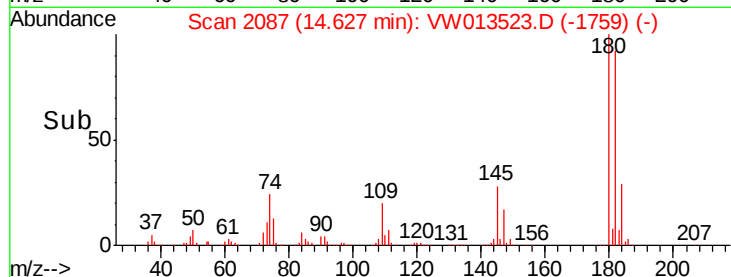
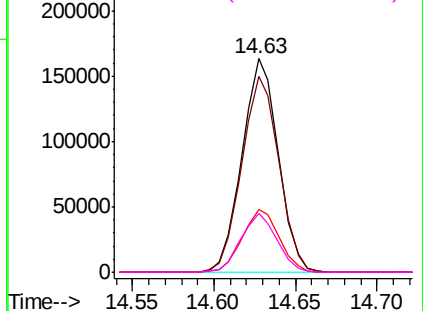


#67
 1,3,5-Trichlorobenzene
 Concen: 21.672 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013523.D
 Acq: 10 Oct 2019 16:45

Tot Ion:	180	Resp:	252950
Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.0	115.4
184	30.0	24.7	37.1
145	27.1	22.2	33.2

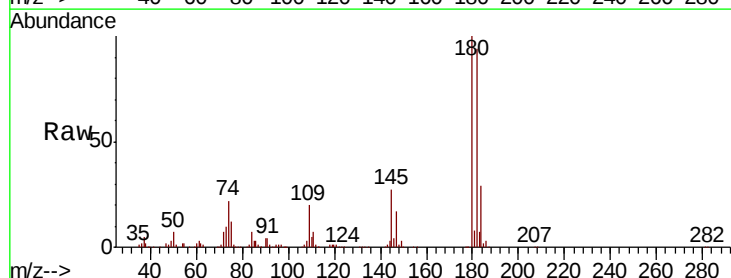


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

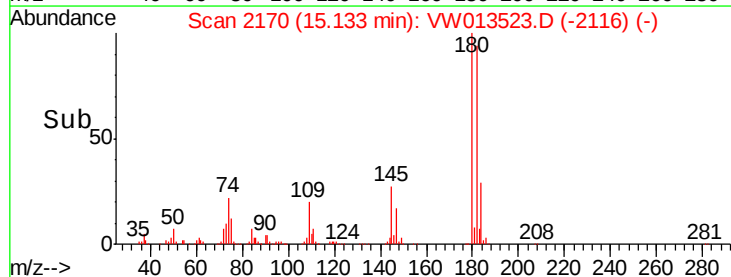
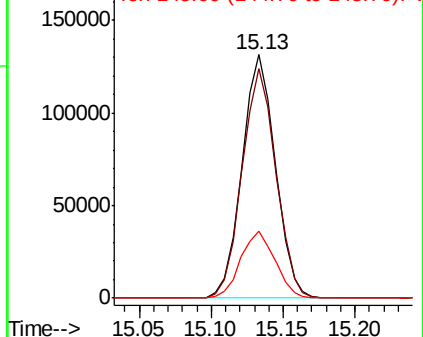


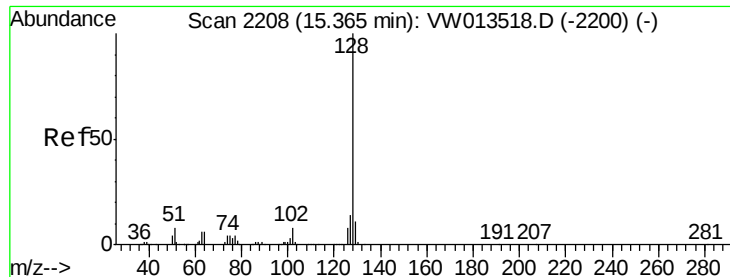
#68
 1,2,4-trichlorobenzene
 Concen: 21.780 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013523.D
 Acq: 10 Oct 2019 16:45

Tgt Ion:	180	Resp:	210708
Ion	Ratio	Lower	Upper
180	100		
182	95.3	78.2	117.2
145	28.2	22.8	34.2



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





#69

Naphthalene

Concen: 22.163 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013523.D

Acq: 10 Oct 2019 16:45

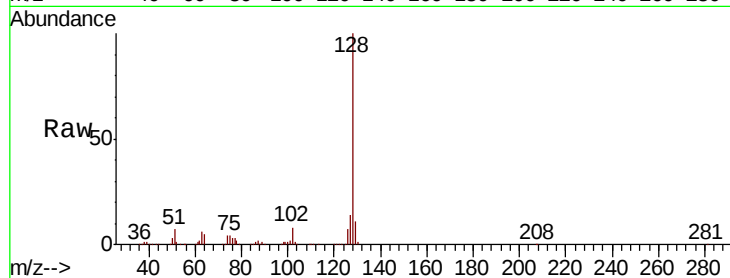
Tot Ion:128 Resp: 390535

Ion Ratio Lower Upper

128 100

129 10.8 8.5 12.7

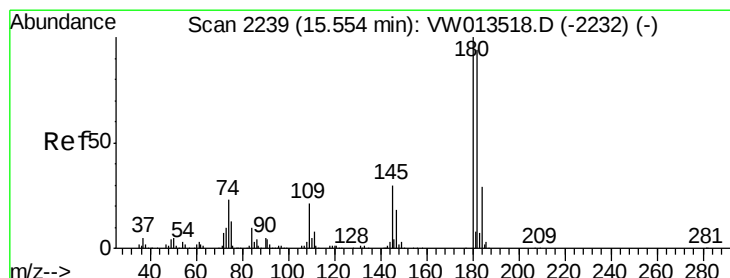
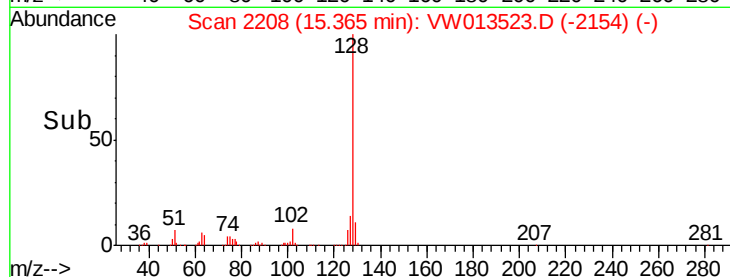
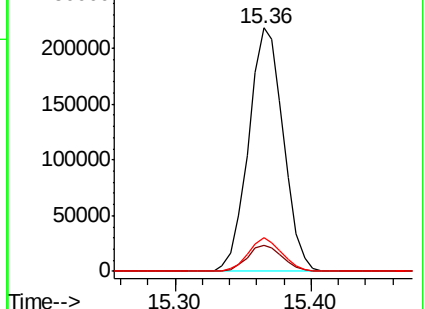
127 13.1 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 21.983 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013523.D

Acq: 10 Oct 2019 16:45

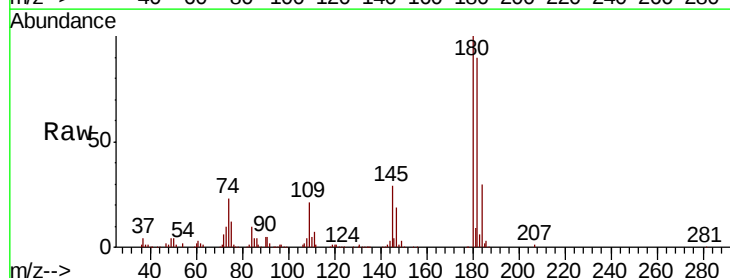
Tgt Ion:180 Resp: 189375

Ion Ratio Lower Upper

180 100

182 95.4 76.0 114.0

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

