

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101019\
 Data File : VW013530.D
 Acq On : 10 Oct 2019 20:29
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 11 09:04:05 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	433797	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	381615	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	197821	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	121246	24.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.68%
7) Chloroethane-d5	2.89	69	90966	23.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.44%
10) 1,1-Dichloroethene-d2	4.02	63	263223	25.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.16%
20) 2-Butanone-d5	7.07	46	82977	55.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.98%
24) Chloroform-d	7.65	84	239272	25.39	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.56%
26) 1,2-Dichloroethane-d4	8.31	65	124270	25.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.80%
29) Benzene-d6	8.27	84	514043	25.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.60%
33) 1,2-Dichloropropane-d6	9.27	67	153184	25.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.04%
37) Toluene-d8	10.32	98	484813	24.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.96%
38) trans-1,3-Dichloropropene-	10.57	79	68138	25.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.88%
39) 2-Hexanone-d5	10.92	63	66006	54.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	130198	26.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	178014	25.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.16%

Target Compounds

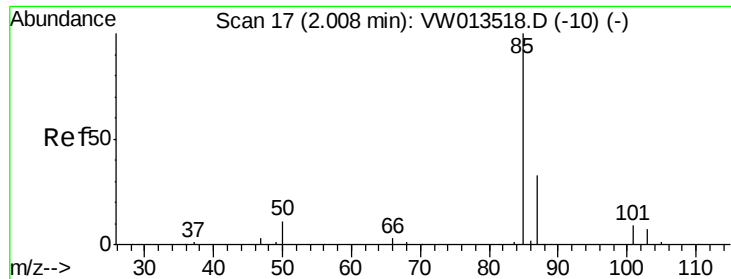
					Ovalue
2) Dichlorodifluoromethane	2.01	85	75267	31.842	ug/L 95
3) Chloromethane	2.21	50	107150	25.799	ug/L 99
5) Vinyl chloride	2.36	62	157445	26.794	ug/L 98
6) Bromomethane	2.78	94	97688	27.142	ug/L 100
8) Chloroethane	2.92	64	89068	27.024	ug/L 100
9) Trichlorofluoromethane	3.25	101	74827	24.427	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	149012	27.410	ug/L 99
12) 1,1-Dichloroethene	4.04	96	149747	27.500	ug/L 96
13) Acetone	4.12	43	79817	46.437	ug/L 98
14) Carbon disulfide	4.38	76	443394	26.682	ug/L 98
15) Methyl Acetate	4.67	43	79443	29.630	ug/L 99
16) Methylene chloride	4.91	84	163315	24.856	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	257071	29.377	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	159013	27.364	ug/L 98
19) 1,1-Dichloroethane	6.21	63	271528	27.832	ug/L 100
21) 2-Butanone	7.17	43	111228	52.897	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	174347	28.053	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	78320	28.144	ug/L	93
25) Chloroform	7.67	83	266734	27.714	ug/L	100
27) 1,2-Dichloroethane	8.40	62	175223	28.785	ug/L	99
30) Cyclohexane	7.95	56	271262	27.034	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	211331	27.495	ug/L	99
32) Carbon tetrachloride	8.07	117	204155	27.691	ug/L	99
34) Benzene	8.32	78	639159	27.724	ug/L	100
35) Trichloroethene	9.09	95	166772	27.732	ug/L	98
36) Methylcyclohexane	9.34	83	296100	27.076	ug/L	100
40) 1,2-Dichloropropane	9.37	63	158570	28.551	ug/L	100
41) Bromodichloromethane	9.65	83	194288	28.481	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	251853	28.267	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	224468	57.926	ug/L	99
44) Toluene	10.38	91	697939	27.934	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	204356	29.047	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	121270	28.765	ug/L	95
47) Tetrachloroethene	10.86	164	147133	26.845	ug/L	95
49) 2-Hexanone	10.97	43	160390	56.950	ug/L	98
50) Dibromochloromethane	11.13	129	145068	29.225	ug/L	97
51) 1,2-Dibromoethane	11.23	107	120677	29.139	ug/L	98
52) Chlorobenzene	11.66	112	441749	27.858	ug/L	99
53) Ethylbenzene	11.73	91	771487	27.895	ug/L	98
54) m,p-Xylene	11.84	106	294844	27.329	ug/L	100
55) o-xylene	12.16	106	287176	28.516	ug/L	96
56) Styrene	12.18	104	500048	29.155	ug/L	100
57) Isopropylbenzene	12.46	105	771045	28.223	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	148977	29.909	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	110993	29.842	ug/L	100
62) Bromoform	12.35	173	91118	28.637	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	358877	27.073	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	353926	26.822	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	325688	27.326	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	23158	28.144	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	268135	26.800	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	222665	26.851	ug/L	99
69) Naphthalene	15.36	128	431890	28.594	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	201988	27.354	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 31.842 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW013530.D

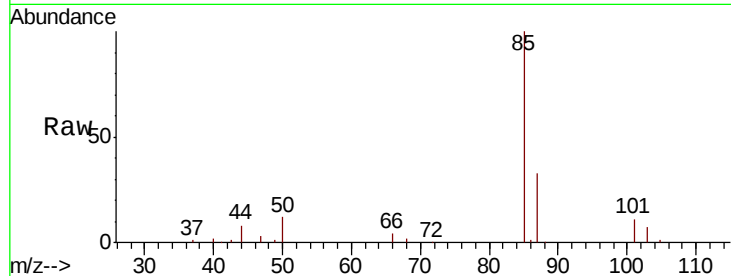
Acq: 10 Oct 2019 20:29

Tot Ion: 85 Resp: 75267

Ion Ratio Lower Upper

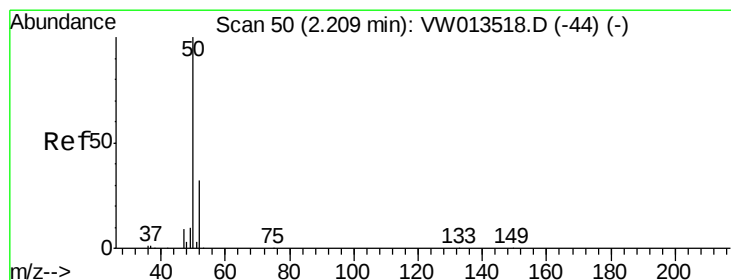
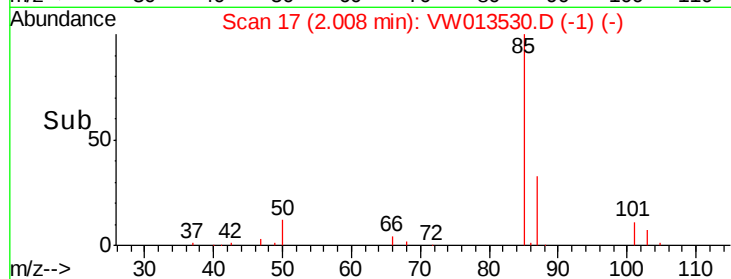
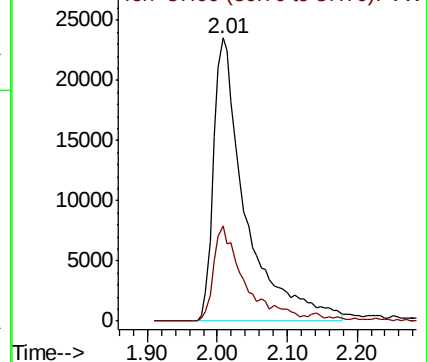
85 100

87 26.6 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: 25.799 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013530.D

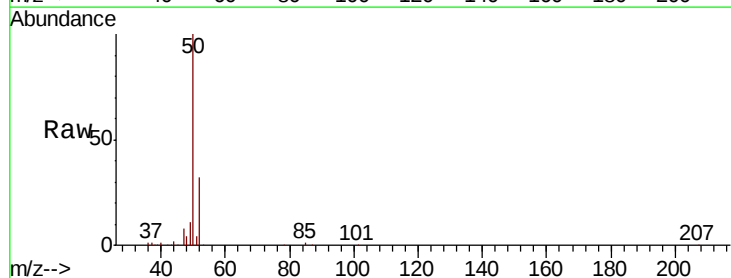
Acq: 10 Oct 2019 20:29

Tgt Ion: 50 Resp: 107150

Ion Ratio Lower Upper

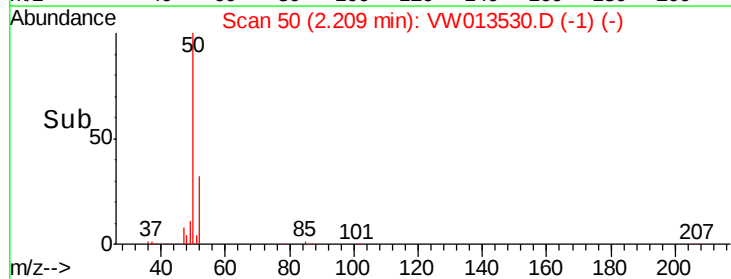
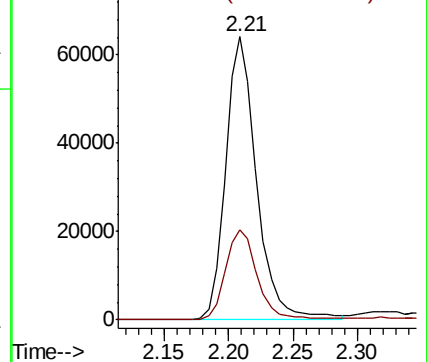
50 100

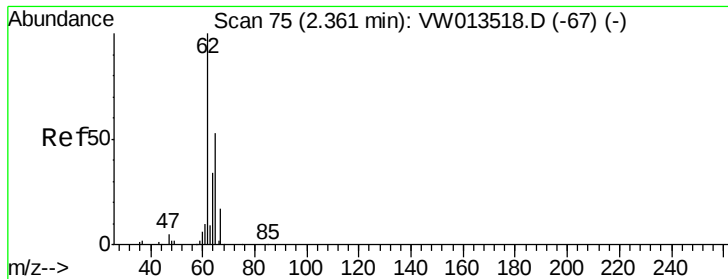
52 31.8 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.794 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013530.D

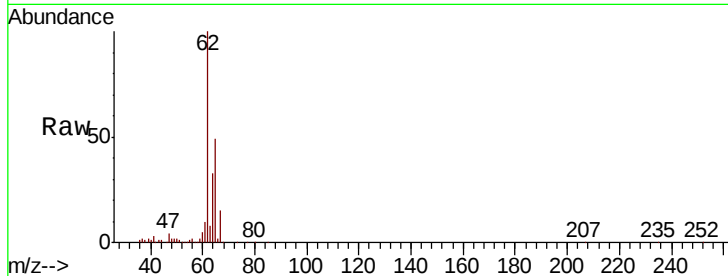
Acq: 10 Oct 2019 20:29

Tot Ion: 62 Resp: 157445

Ion Ratio Lower Upper

62 100

64 33.2 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.36

80000

60000

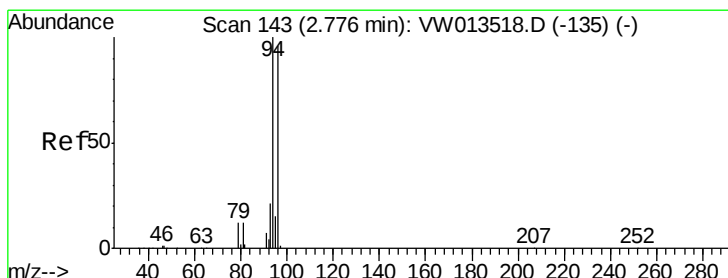
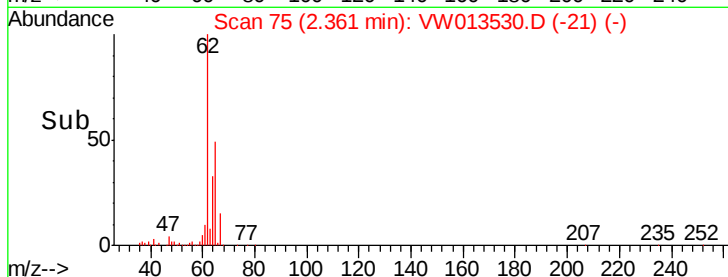
40000

20000

0

Time-->

2.30 2.35 2.40 2.45



#6

Bromomethane

Concen: 27.142 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW013530.D

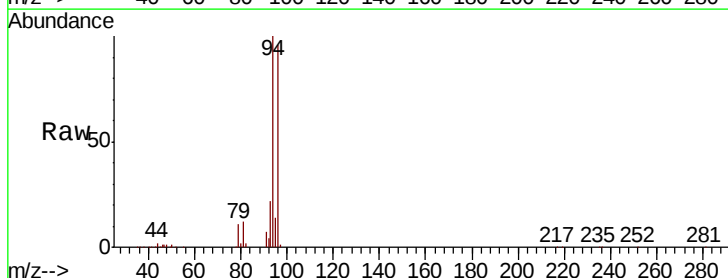
Acq: 10 Oct 2019 20:29

Tgt Ion: 94 Resp: 97688

Ion Ratio Lower Upper

94 100

96 94.5 9.5 179.9



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

2.78

50000

40000

30000

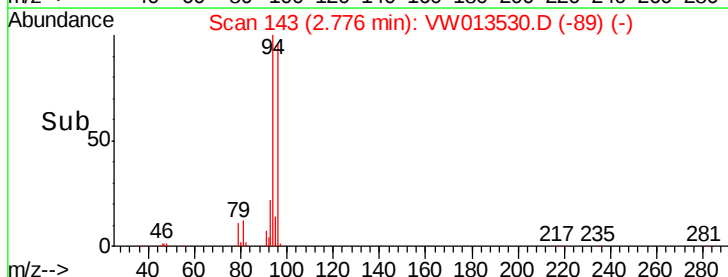
20000

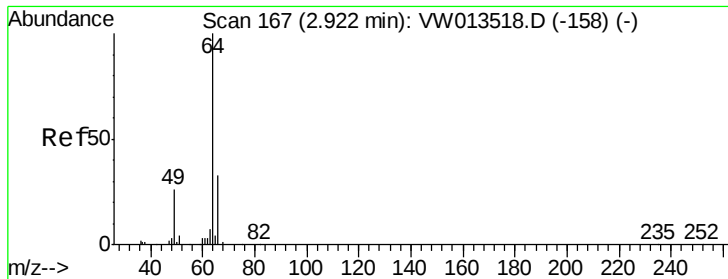
10000

0

Time-->

2.70 2.80 2.90





#8

Chloroethane

Concen: 27.024 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013530.D

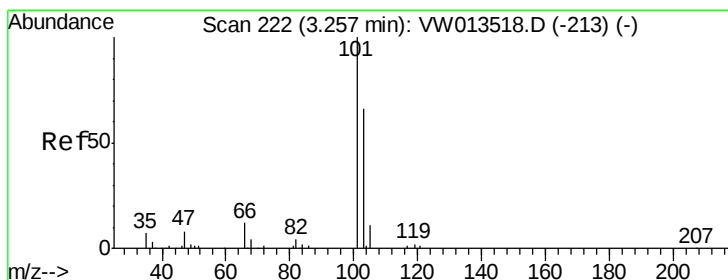
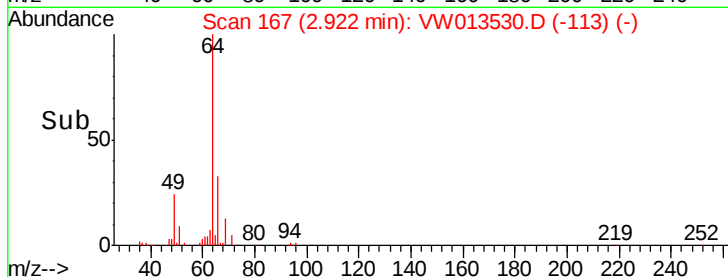
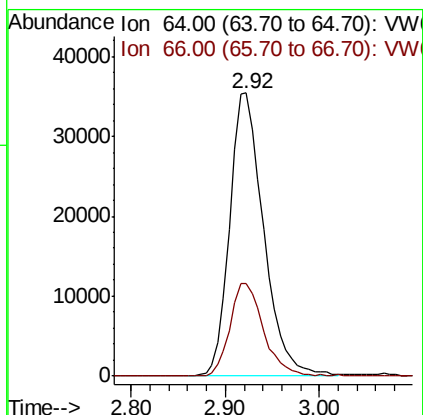
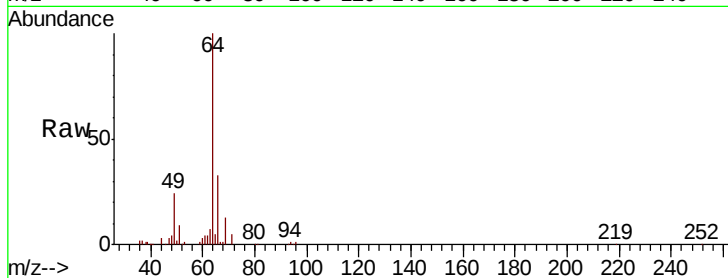
Acq: 10 Oct 2019 20:29

Tot Ion: 64 Resp: 89068

Ion Ratio Lower Upper

64 100

66 32.9 23.2 43.0



#9

Trichlorofluoromethane

Concen: 24.427 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW013530.D

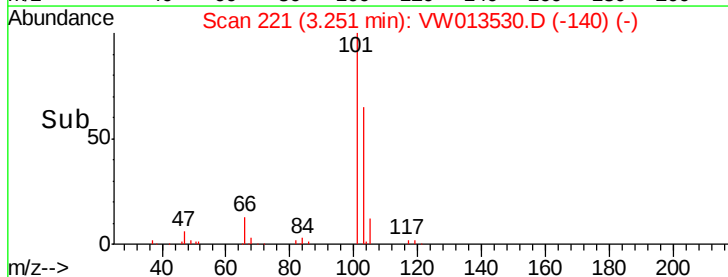
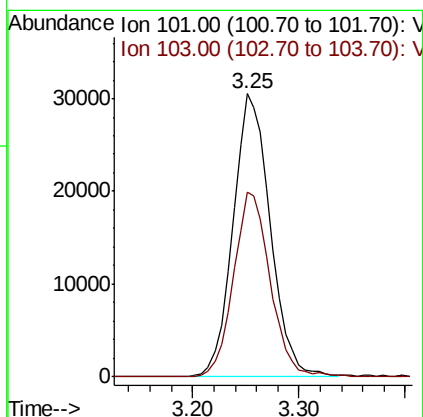
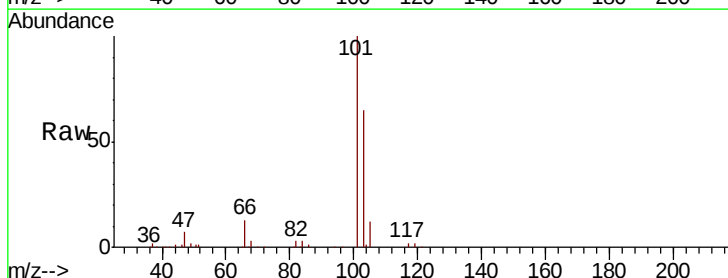
Acq: 10 Oct 2019 20:29

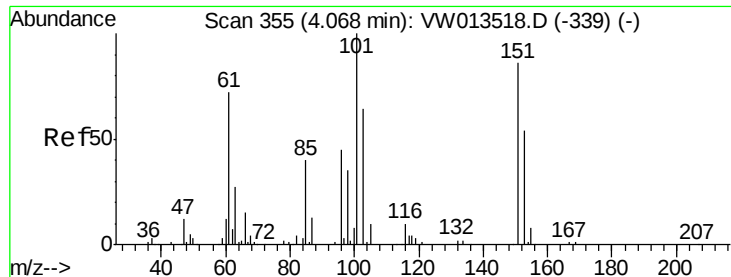
Tgt Ion: 101 Resp: 74827

Ion Ratio Lower Upper

101 100

103 64.2 46.0 85.4





#11

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

Concen: 27.410 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013530.D

Acq: 10 Oct 2019 20:29

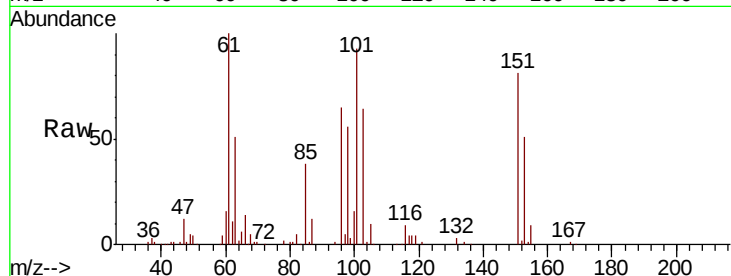
Tot Ion:101 Resp: 149012

Ion Ratio Lower Upper

101 100

85 40.3 32.0 48.0

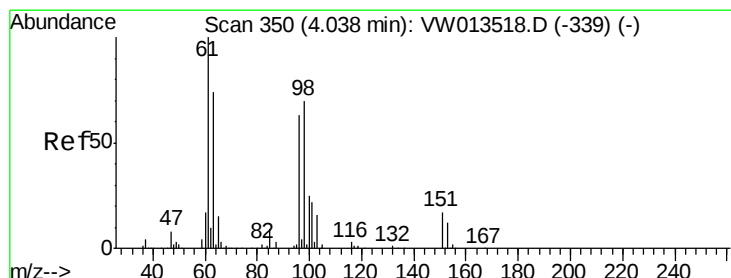
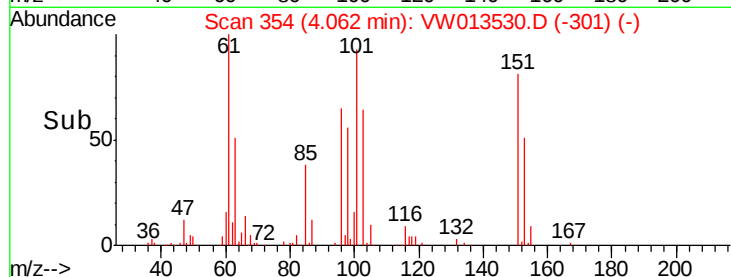
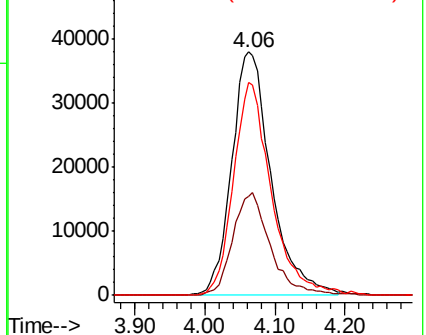
151 83.1 67.0 100.6



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: 27.500 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW013530.D

Acq: 10 Oct 2019 20:29

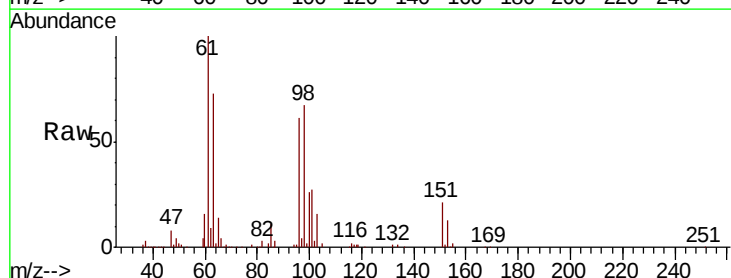
Tgt Ion: 96 Resp: 149747

Ion Ratio Lower Upper

96 100

61 163.2 111.0 206.2

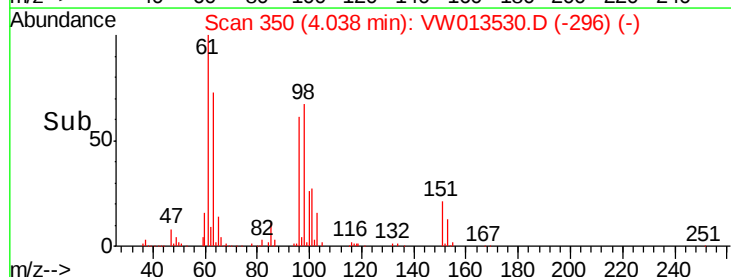
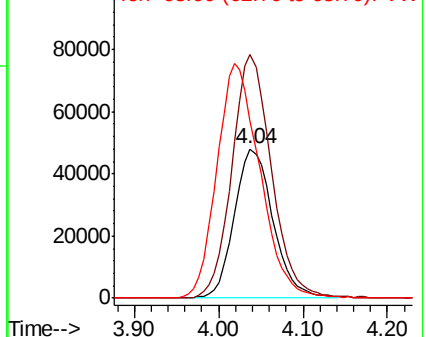
63 118.9 86.3 160.3

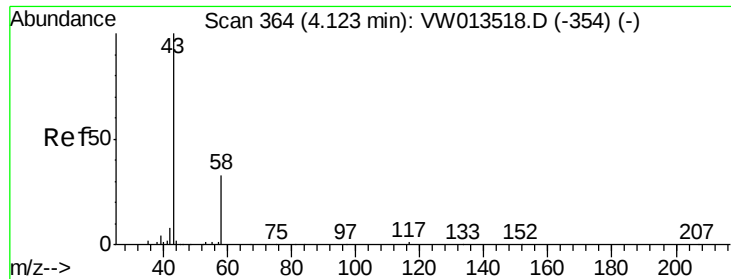


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 46.437 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW013530.D

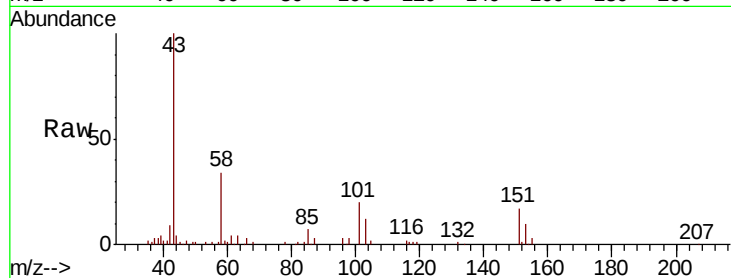
Acq: 10 Oct 2019 20:29

Tot Ion: 43 Resp: 79817

Ion Ratio Lower Upper

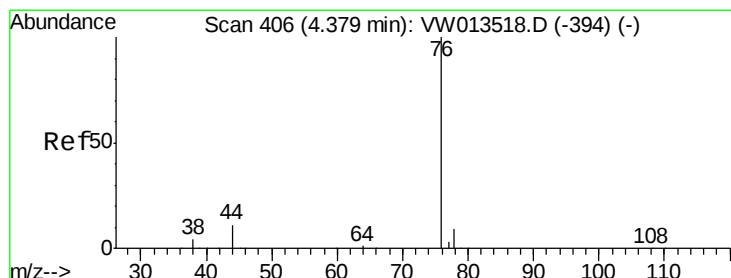
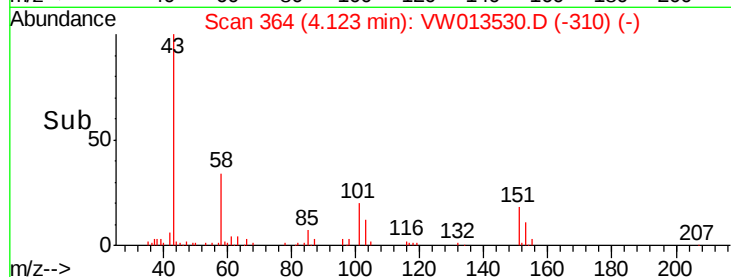
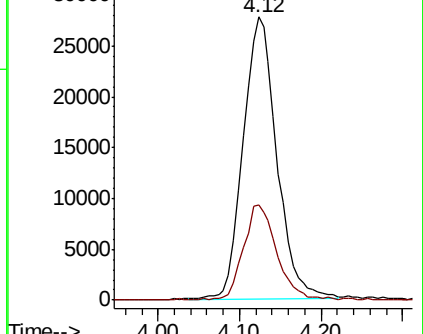
43 100

58 33.0 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: 26.682 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013530.D

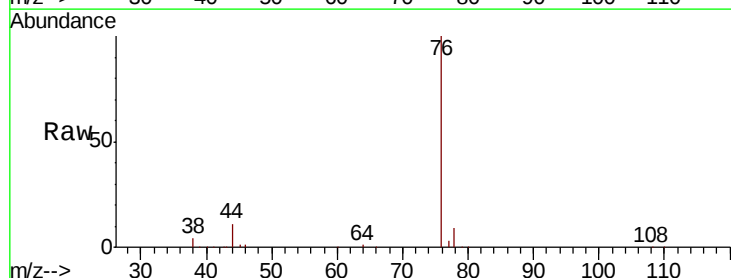
Acq: 10 Oct 2019 20:29

Tgt Ion: 76 Resp: 443394

Ion Ratio Lower Upper

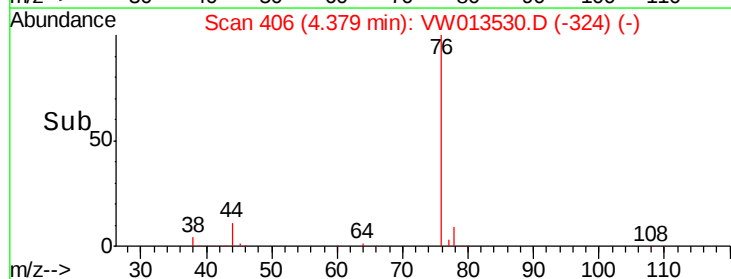
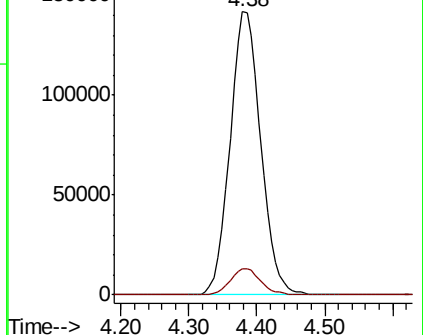
76 100

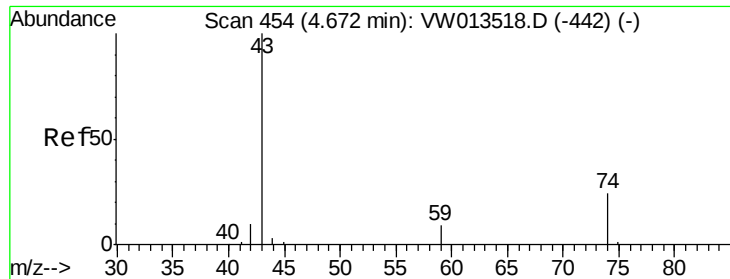
78 9.4 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

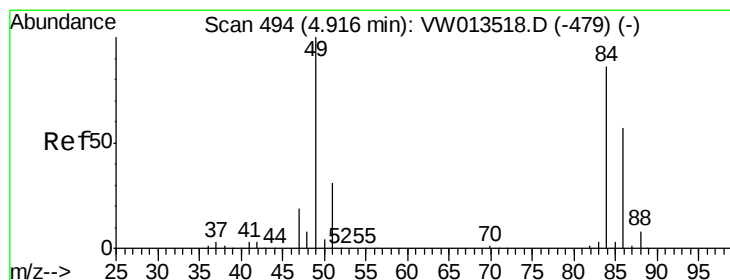
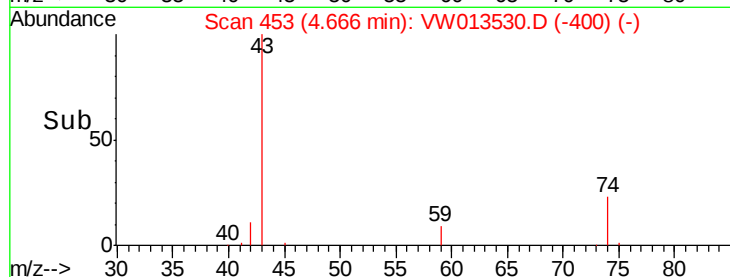
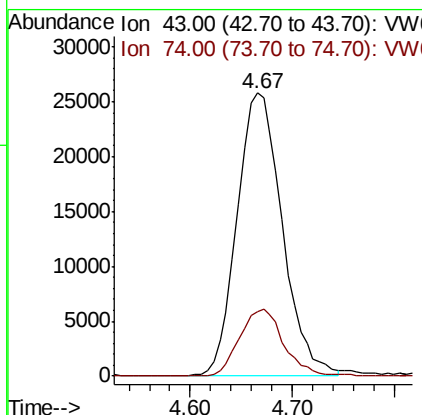
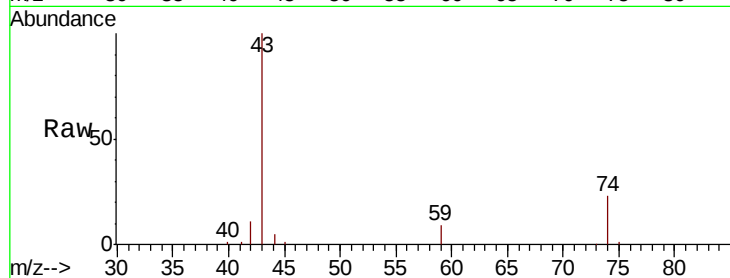
Ion 78.00 (77.70 to 78.70): VW





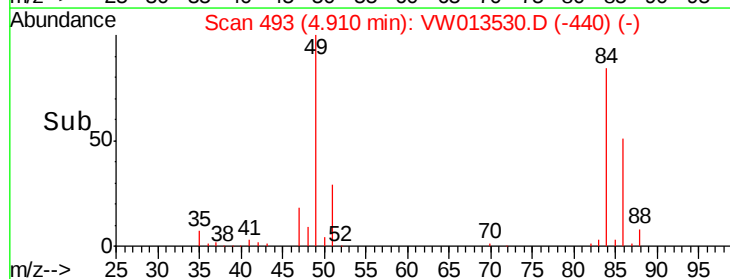
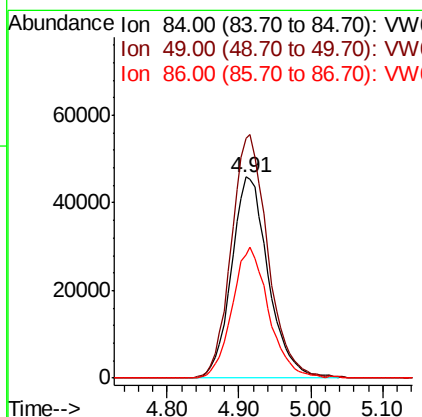
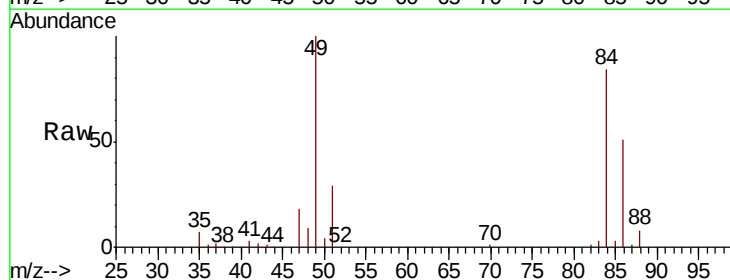
#15
Methvl Acetate
Concen: 29.630 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013530.D
Acq: 10 Oct 2019 20:29

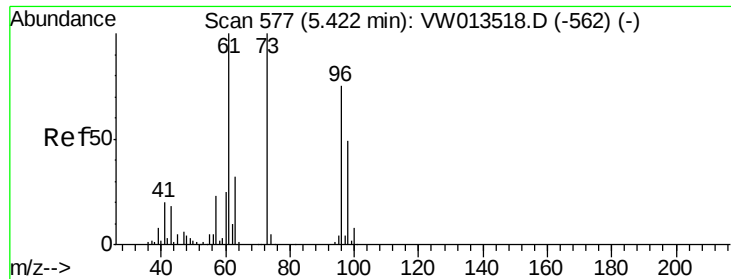
Tot Ion: 43 Resp: 79443
Ion Ratio Lower Upper
43 100
74 22.9 18.7 28.1



#16
Methylene chloride
Concen: 24.856 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW013530.D
Acq: 10 Oct 2019 20:29

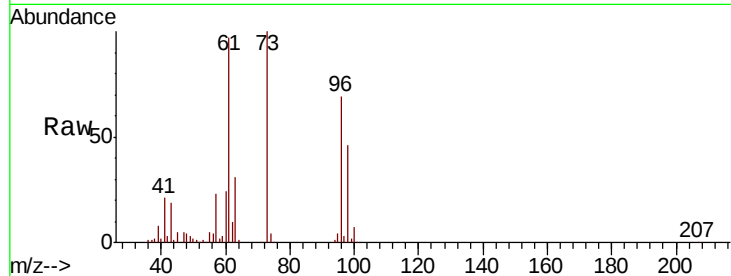
Tgt Ion: 84 Resp: 163315
Ion Ratio Lower Upper
84 100
49 119.4 81.3 151.1
86 61.4 46.3 86.1



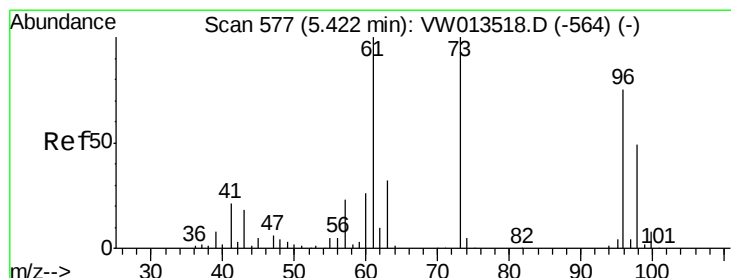
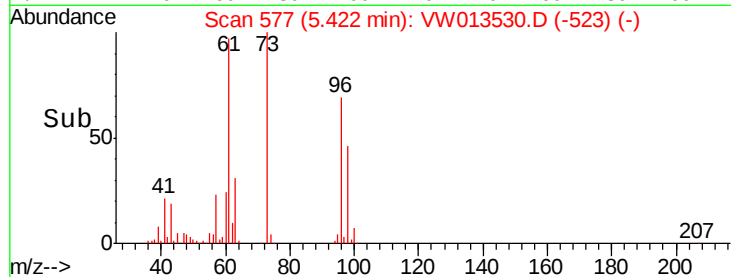
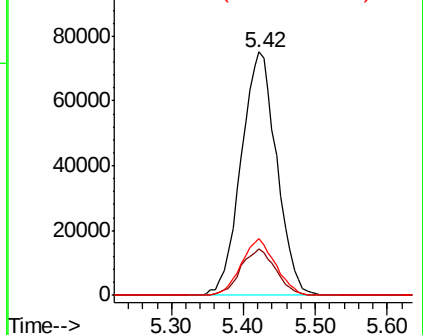


#17
Methvl tert-butvl Ether
Concen: 29.377 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013530.D
Acq: 10 Oct 2019 20:29

Tot Ion	Ratio	Lower	Upper
73	100		
43	18.8	15.0	22.4
57	22.4	18.1	27.1

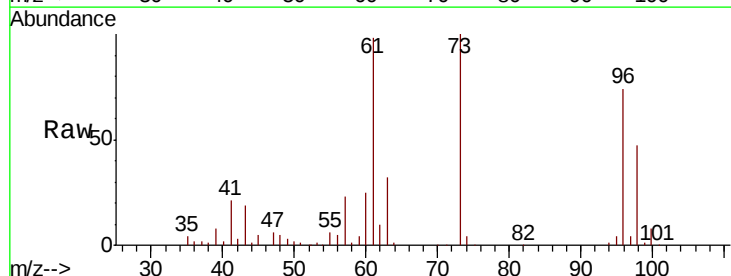


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

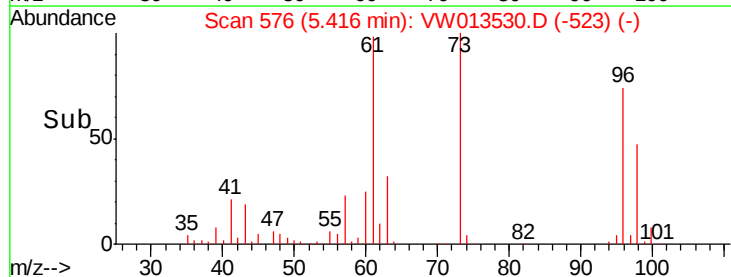
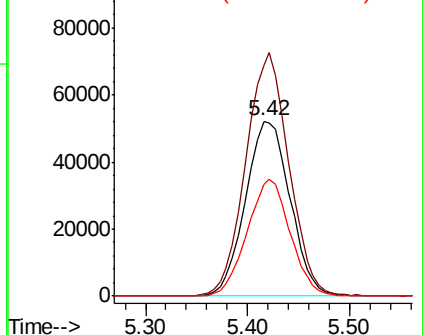


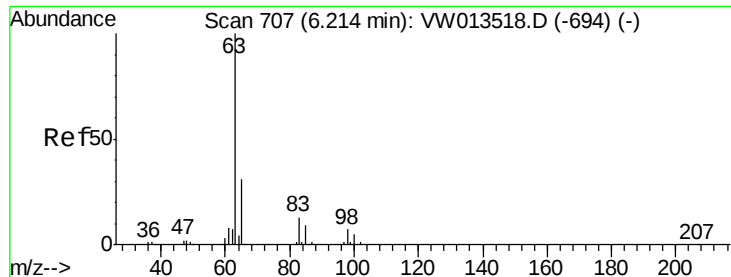
#18
trans-1,2-Dichloroethene
Concen: 27.364 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013530.D
Acq: 10 Oct 2019 20:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.1	93.7	173.9
98	63.5	46.1	85.7



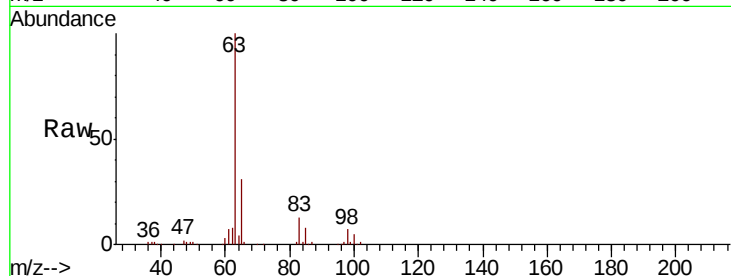
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



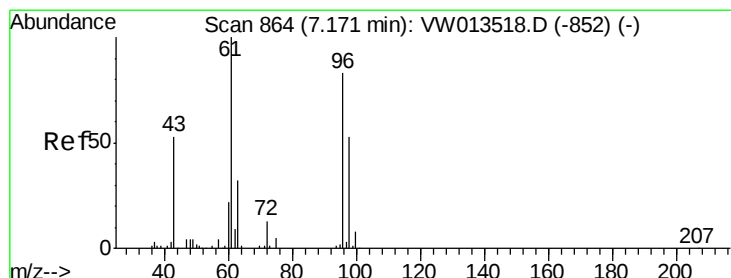
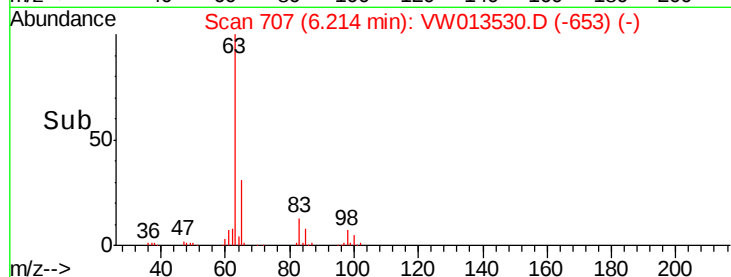
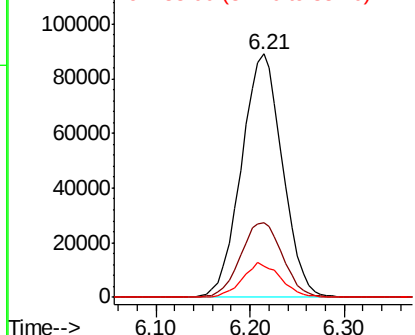


#19
 1,1-Dichloroethane
 Concen: 27.832 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013530.D
 Acq: 10 Oct 2019 20:29

Tot Ion	63	Resp	271528
Ion	Ratio	Lower	Upper
63	100		
65	30.6	21.6	40.0
83	13.0	9.0	16.6

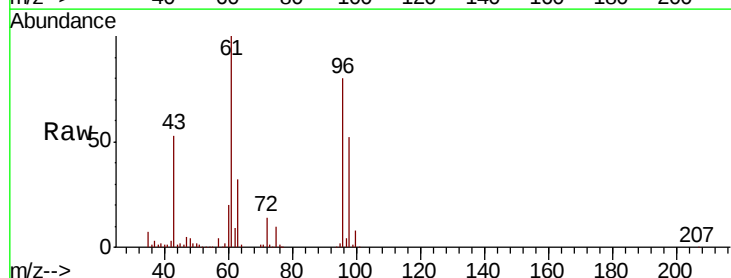


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

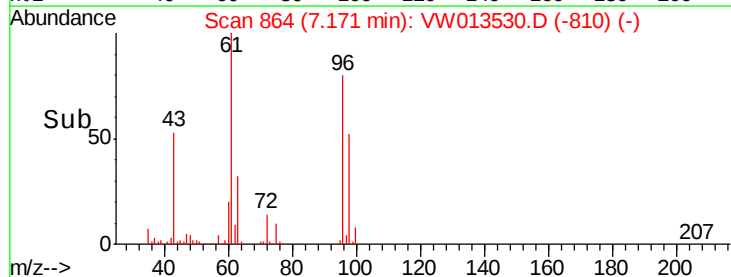
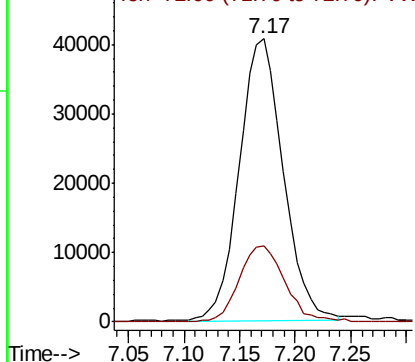


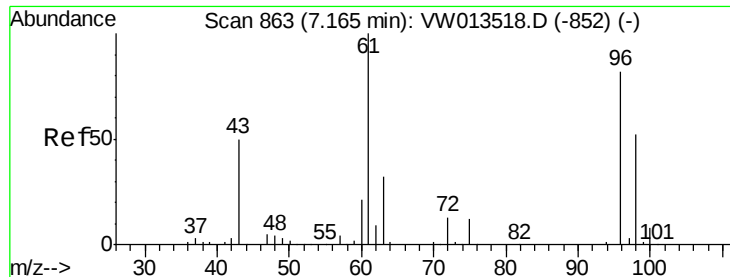
#21
 2-Butanone
 Concen: 52.897 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW013530.D
 Acq: 10 Oct 2019 20:29

Tgt Ion	43	Resp	111228
Ion	Ratio	Lower	Upper
43	100		
72	28.1	13.5	40.4



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

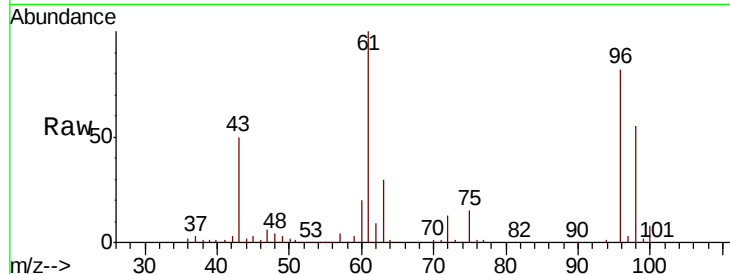




#22
 cis-1,2-Dichloroethene
 Concen: 28.053 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013530.D
 Acq: 10 Oct 2019 20:29

Tot Ion: 96 Resp: 174347

Ion	Ratio	Lower	Upper
96	100		
61	121.3	86.0	159.8
98	66.1	44.4	82.5

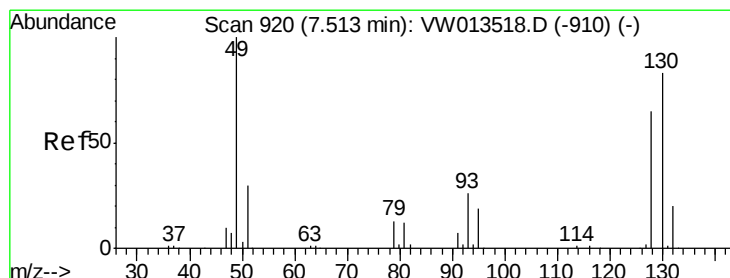
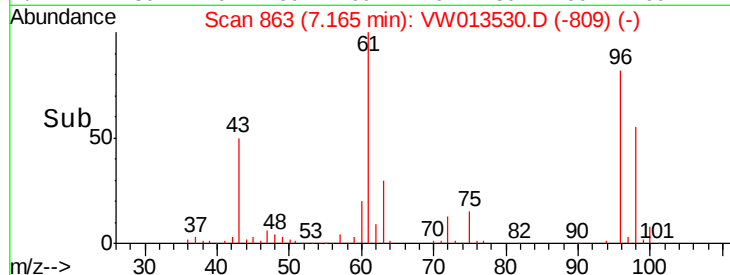
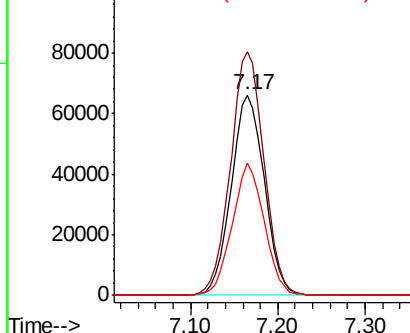


Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

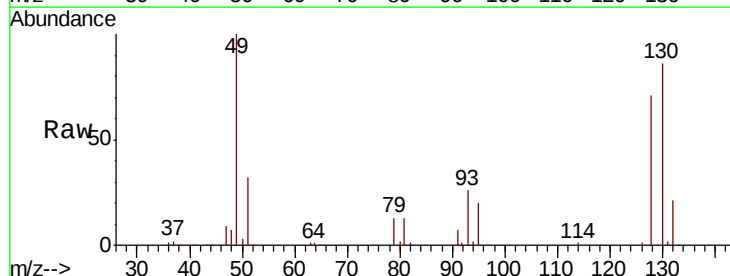
Ion 98.00 (97.70 to 98.70): VW



#23
 Bromochloromethane
 Concen: 28.144 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW013530.D
 Acq: 10 Oct 2019 20:29

Tgt Ion: 128 Resp: 78320

Ion	Ratio	Lower	Upper
128	100		
49	141.5	108.0	200.6
130	121.9	89.4	166.0
51	44.8	37.4	56.2



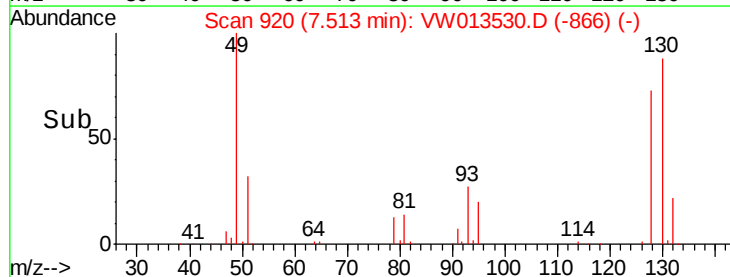
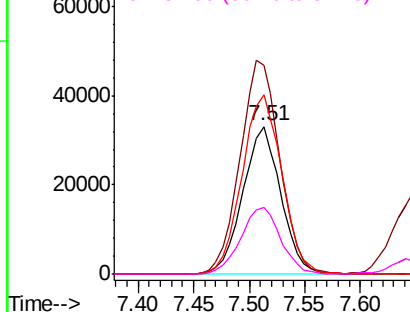
Abundance

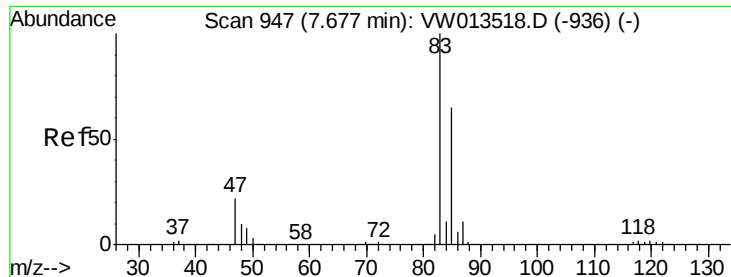
Ion 128.00 (127.70 to 128.70): V

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: 27.714 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW013530.D

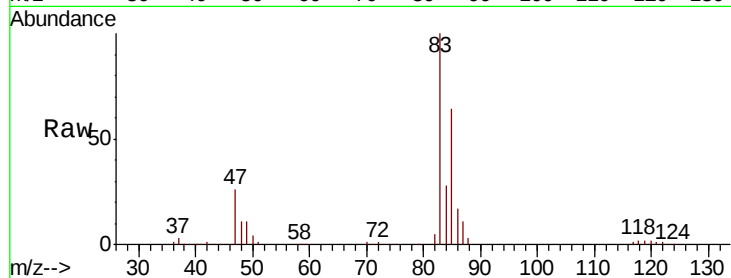
Acq: 10 Oct 2019 20:29

Tot Ion: 83 Resp: 266734

Ion Ratio Lower Upper

83 100

85 65.6 46.1 85.5



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.67

120000

100000

80000

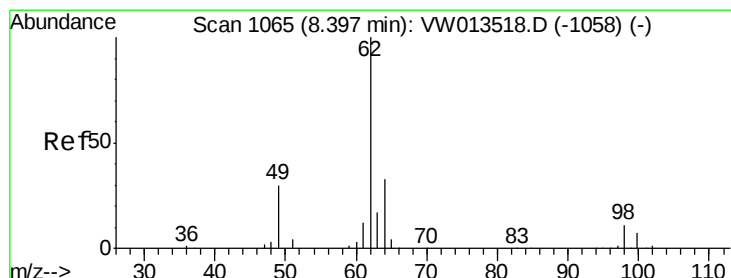
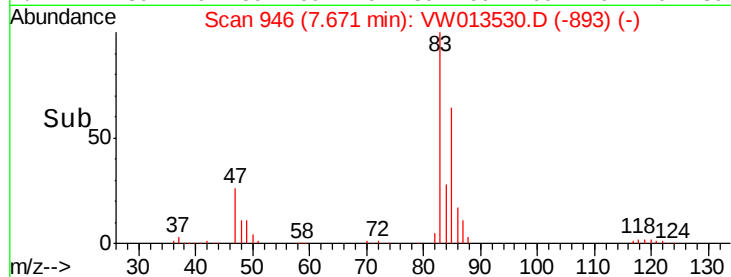
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane

Concen: 28.785 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013530.D

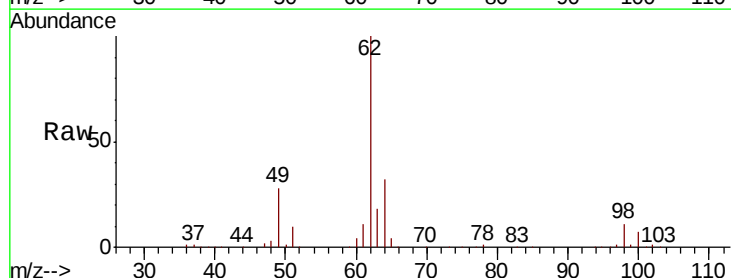
Acq: 10 Oct 2019 20:29

Tgt Ion: 62 Resp: 175223

Ion Ratio Lower Upper

62 100

98 10.8 9.0 13.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

80000

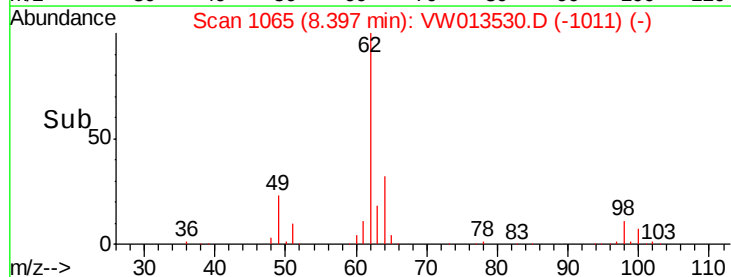
60000

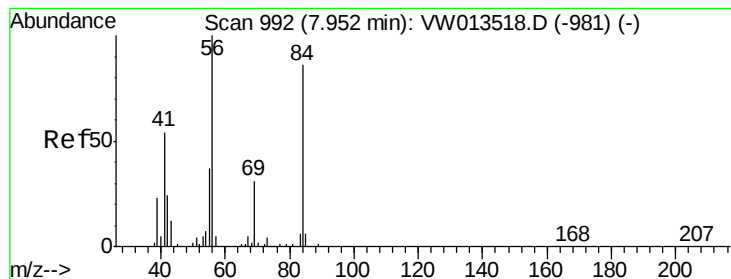
40000

20000

0

Time-->





#30

Cyclohexane

Concen: 27.034 ug/L

RT: 7.95 min Scan# 992

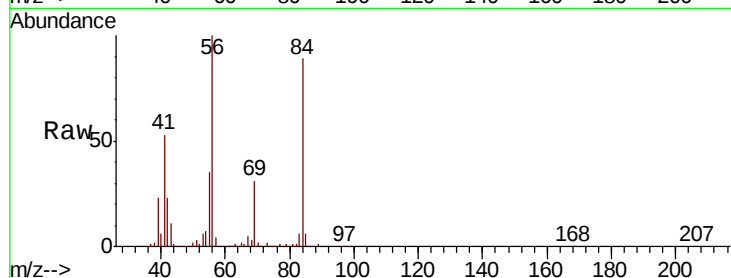
Delta R.T. -0.00 min

Lab File: VW013530.D

Acq: 10 Oct 2019 20:29

Tot Ion: 56 Resp: 271262

Ion	Ratio	Lower	Upper
56	100		
69	31.5	24.7	37.1
84	88.9	70.4	105.6

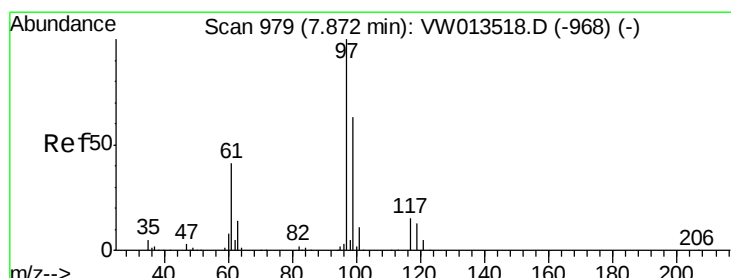
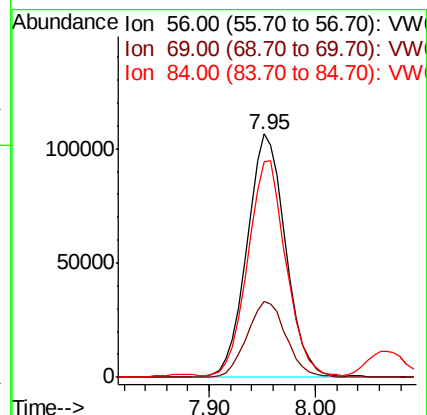
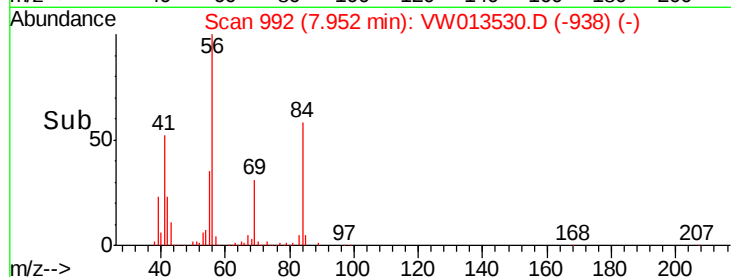


Abundance

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: 27.495 ug/L

RT: 7.87 min Scan# 978

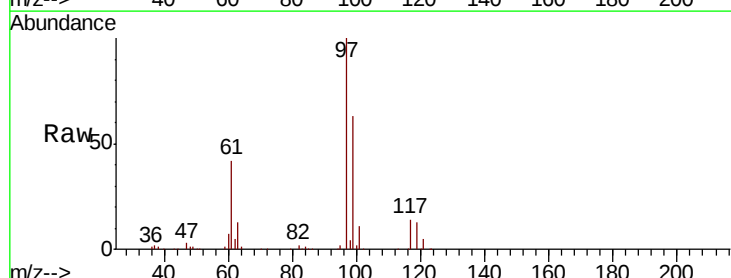
Delta R.T. -0.01 min

Lab File: VW013530.D

Acq: 10 Oct 2019 20:29

Tgt Ion: 97 Resp: 211331

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.8
61	41.4	33.7	50.5

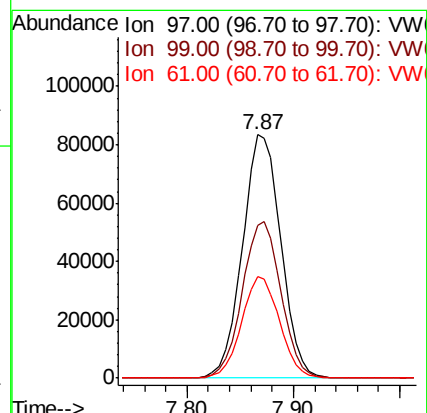
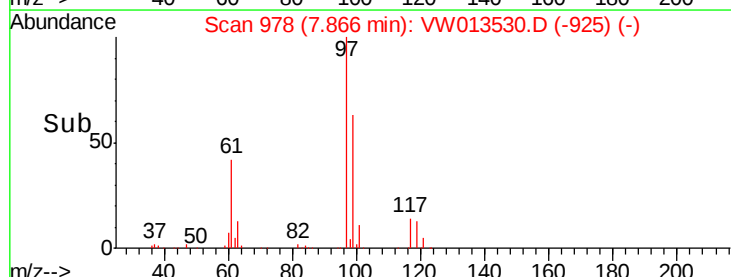


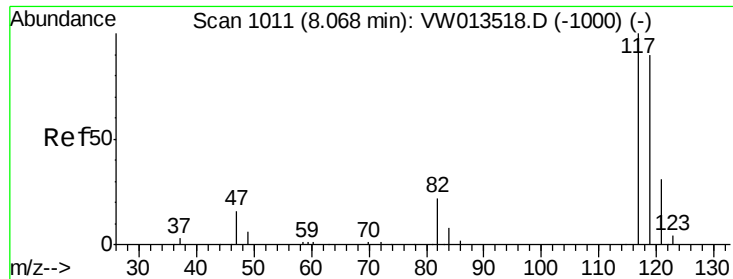
Abundance

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: 27.691 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013530.D

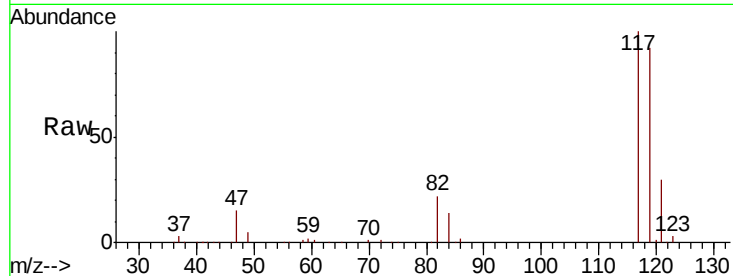
Acq: 10 Oct 2019 20:29

Tot Ion:117 Resp: 204155

Ion Ratio Lower Upper

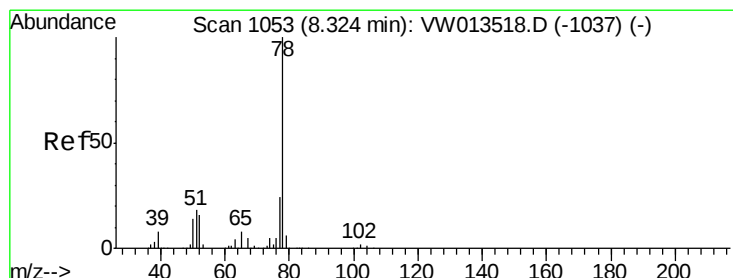
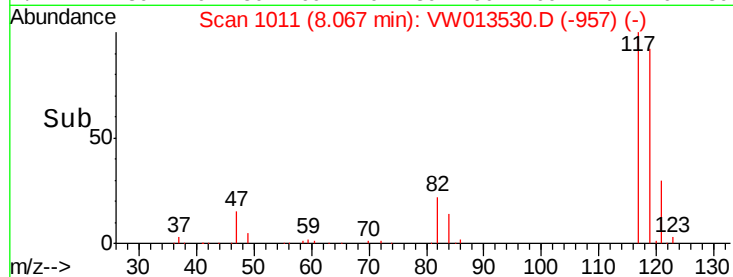
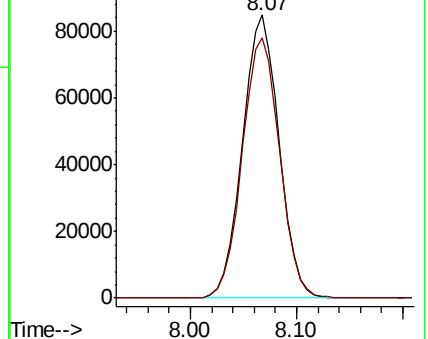
117 100

119 94.3 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: 27.724 ug/L

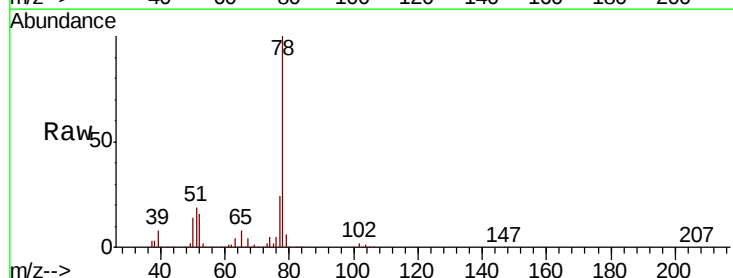
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

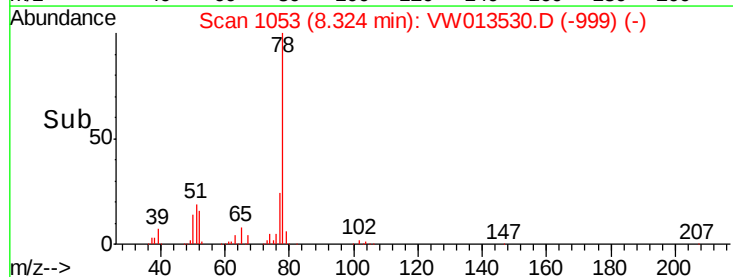
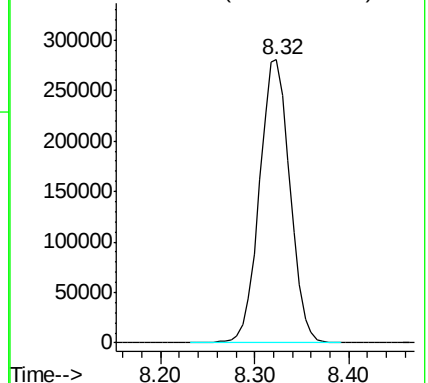
Lab File: VW013530.D

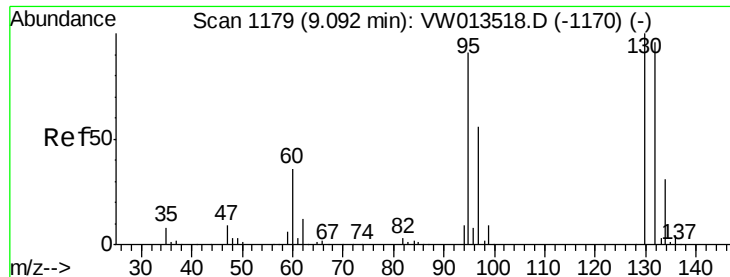
Acq: 10 Oct 2019 20:29

Tgt Ion: 78 Resp: 639159



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 27.732 ug/L

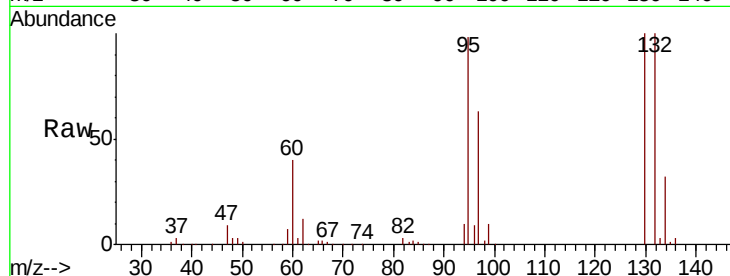
RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW013530.D

Acq: 10 Oct 2019 20:29

Tot Ion:	95	Resp:	166772
Ion	Ratio	Lower	Upper
95	100		
97	63.7	45.1	83.7
132	103.7	73.6	136.8
130	106.4	76.3	141.7



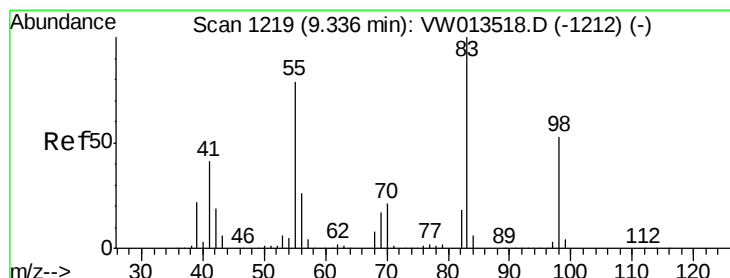
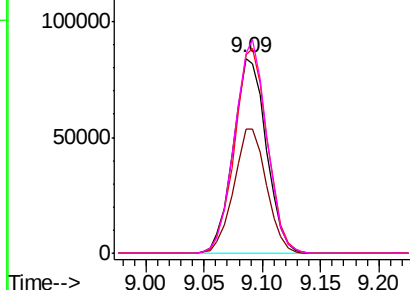
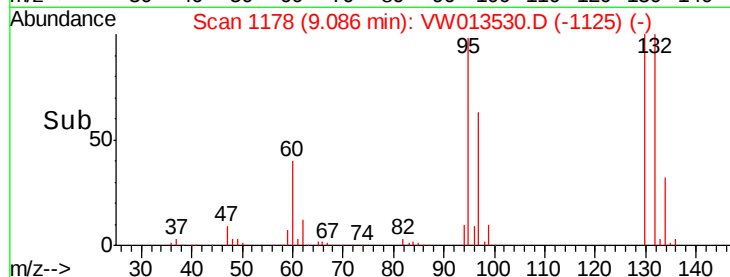
Abundance

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: 27.076 ug/L

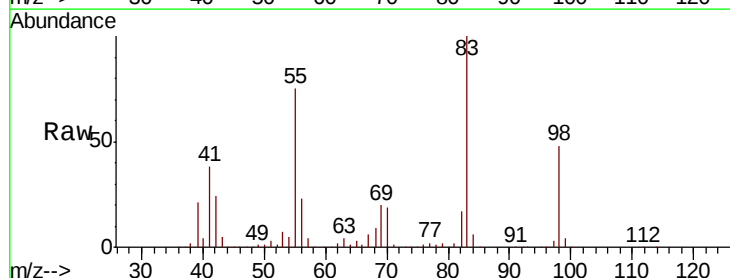
RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW013530.D

Acq: 10 Oct 2019 20:29

Tgt Ion:	83	Resp:	296100
Ion	Ratio	Lower	Upper
83	100		
55	75.7	60.4	90.6
98	48.9	39.3	58.9

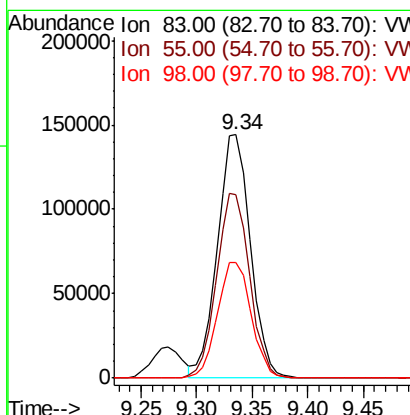
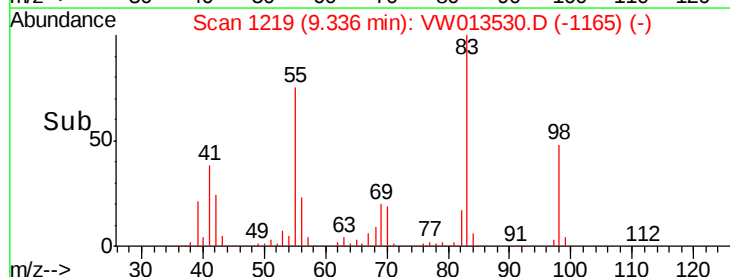


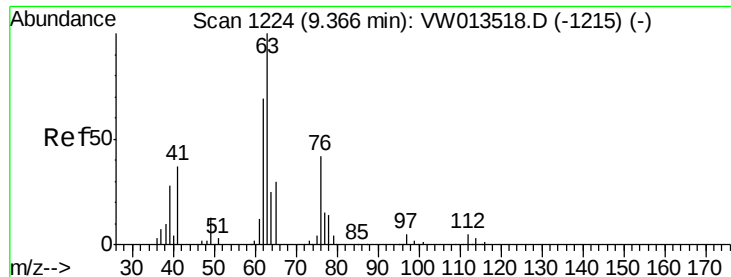
Abundance

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: 28.551 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013530.D

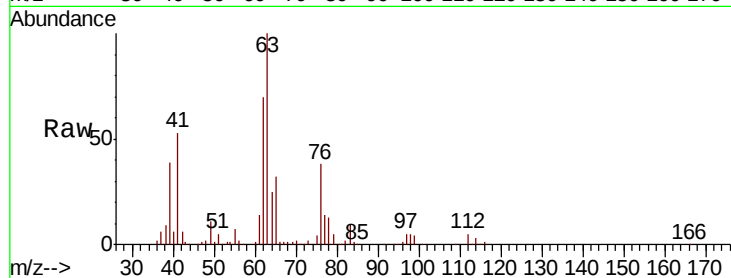
Acq: 10 Oct 2019 20:29

Tot Ion: 63 Resp: 158570

Ion Ratio Lower Upper

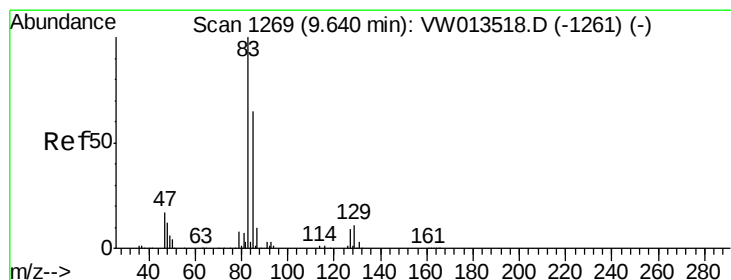
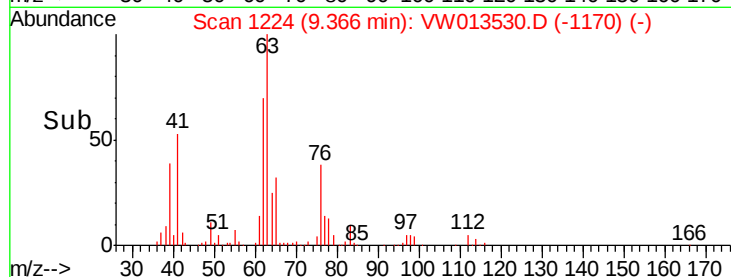
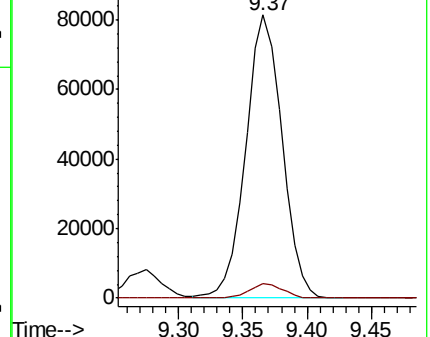
63 100

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: 28.481 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013530.D

Acq: 10 Oct 2019 20:29

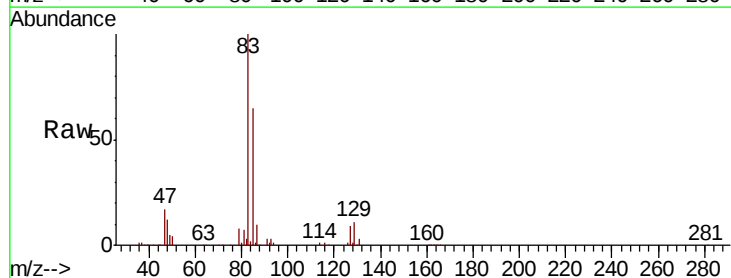
Tgt Ion: 83 Resp: 194288

Ion Ratio Lower Upper

83 100

85 64.7 45.1 83.9

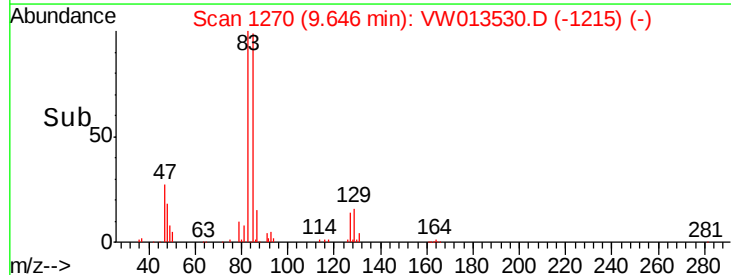
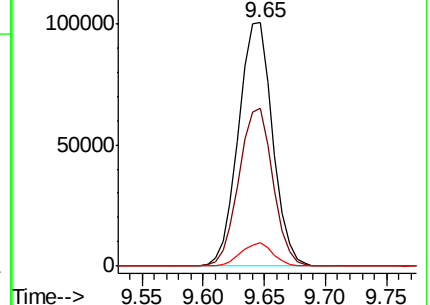
127 9.5 7.1 10.7

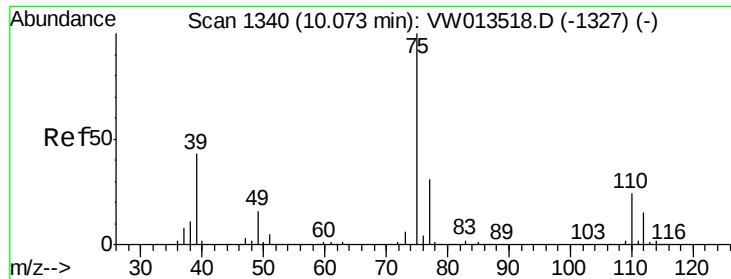


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

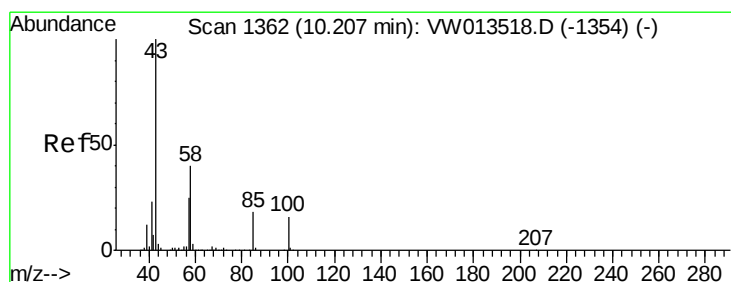
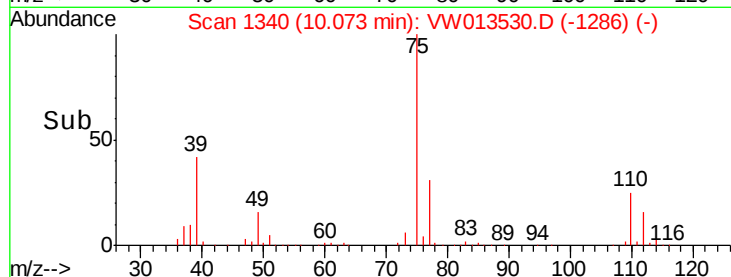
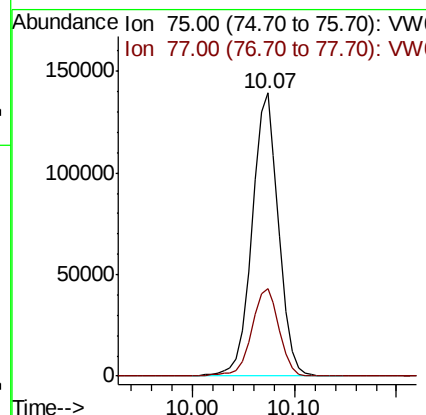
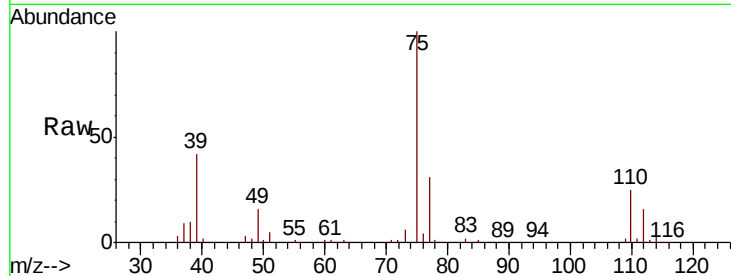
Ion 127.00 (126.70 to 127.70): V





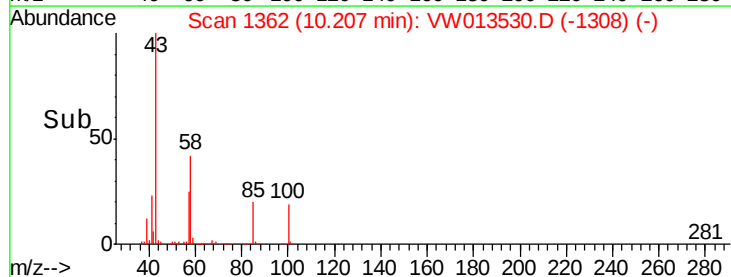
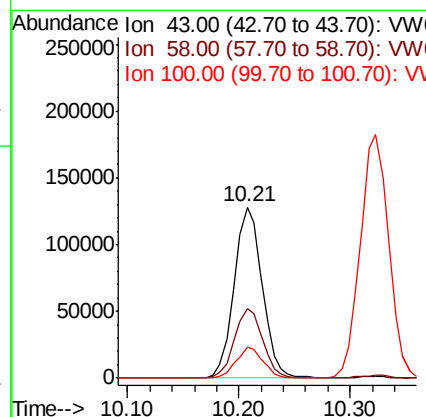
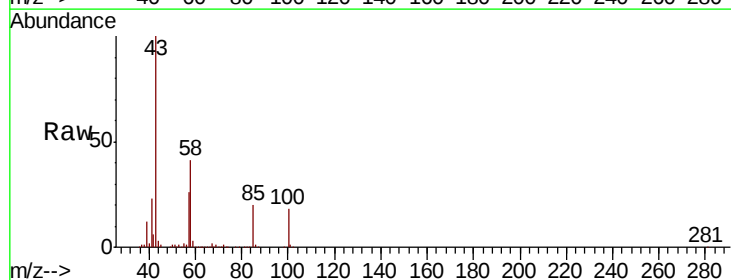
#42
 cis-1,3-Dichloropropene
 Concen: 28.267 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013530.D
 Acq: 10 Oct 2019 20:29

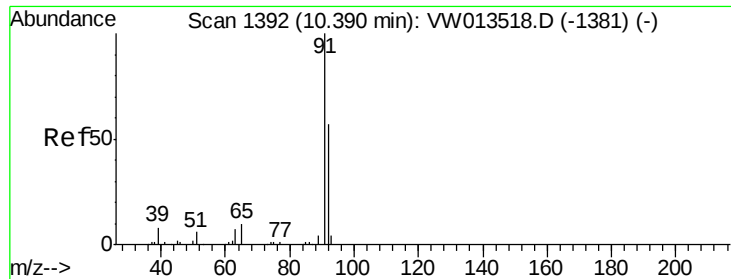
Tot Ion: 75 Resp: 251853
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.6 40.2



#43
 4-Methyl-2-pentanone
 Concen: 57.926 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013530.D
 Acq: 10 Oct 2019 20:29

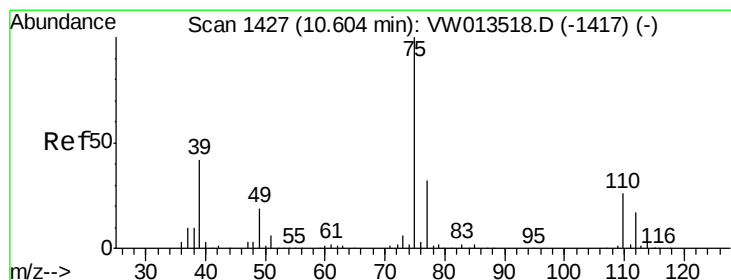
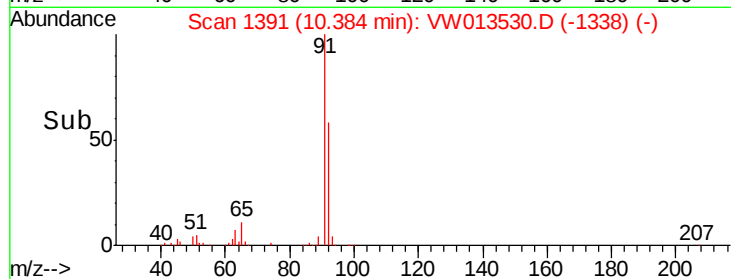
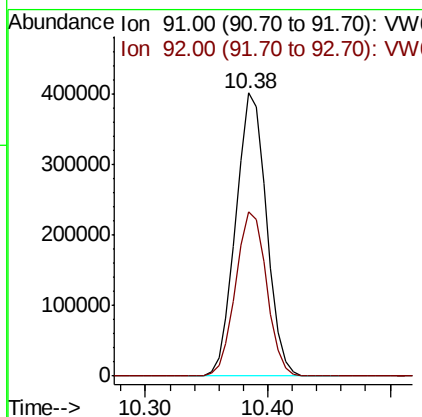
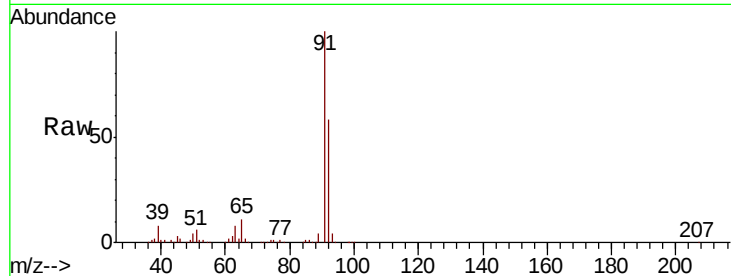
Tgt Ion: 43 Resp: 224468
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.0 48.0
 100 17.2 13.7 20.5





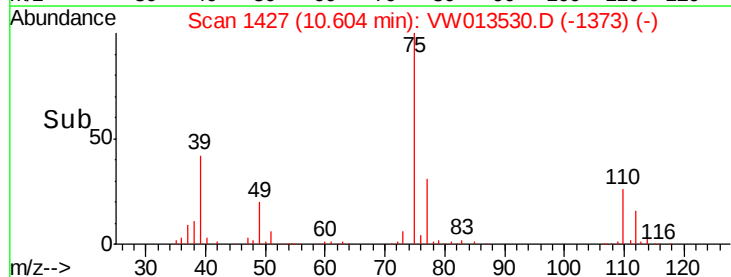
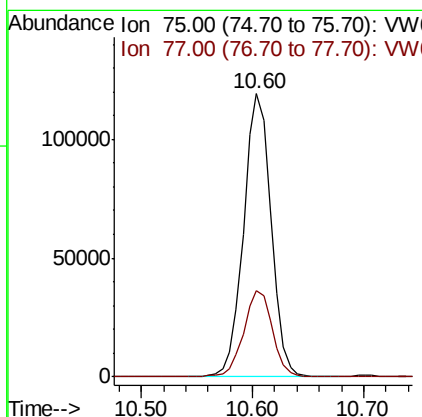
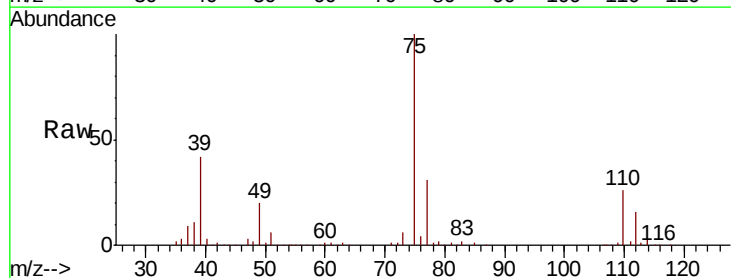
#44
Toluene
Concen: 27.934 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW013530.D
Acq: 10 Oct 2019 20:29

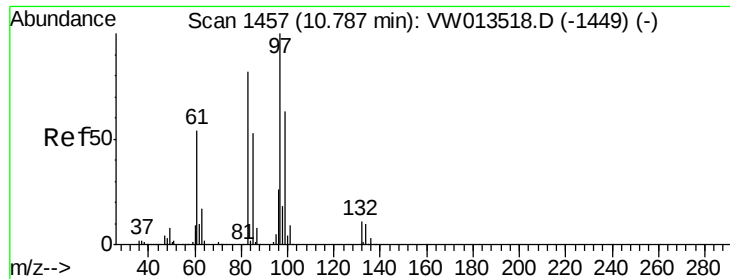
Tot Ion: 91 Resp: 697939
Ion Ratio Lower Upper
91 100
92 58.2 40.0 74.4



#45
trans-1,3-Dichloropropene
Concen: 29.047 ug/L
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013530.D
Acq: 10 Oct 2019 20:29

Tgt Ion: 75 Resp: 204356
Ion Ratio Lower Upper
75 100
77 30.7 23.0 42.6





#46

1,1,2-Trichloroethane

Concen: 28.765 ug/L

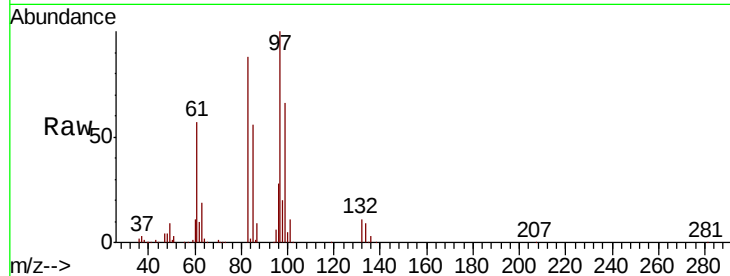
RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013530.D

Acq: 10 Oct 2019 20:29

Tot Ion:	97	Resp:	121270
Ion	Ratio	Lower	Upper
97	100		
83	88.5	57.5	106.9
85	56.2	36.8	68.4
99	65.7	44.0	81.6



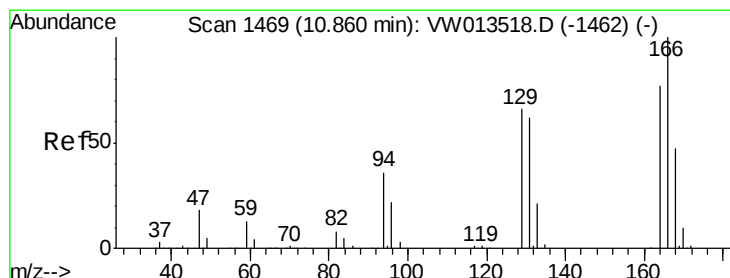
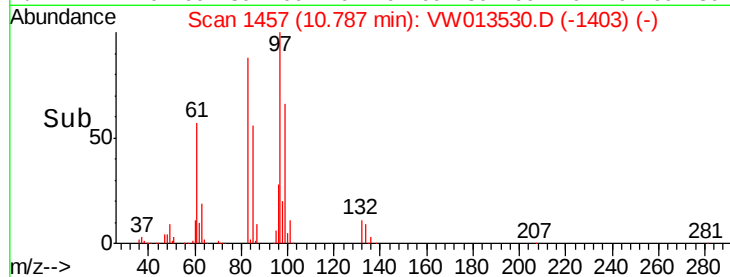
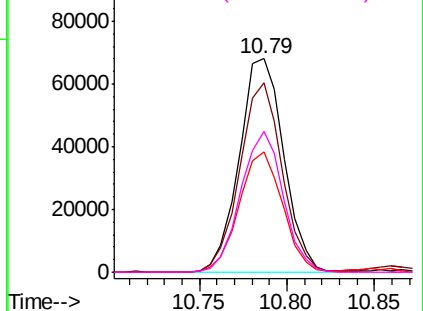
Abundance

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: 26.845 ug/L

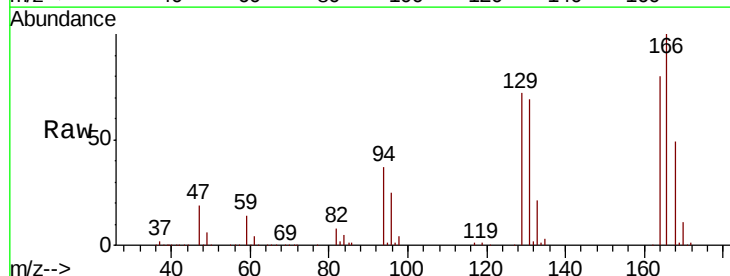
RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013530.D

Acq: 10 Oct 2019 20:29

Tgt Ion:	164	Resp:	147133
Ion	Ratio	Lower	Upper
164	100		
129	89.7	60.2	111.8
131	86.5	57.0	105.9
166	124.8	91.2	169.4



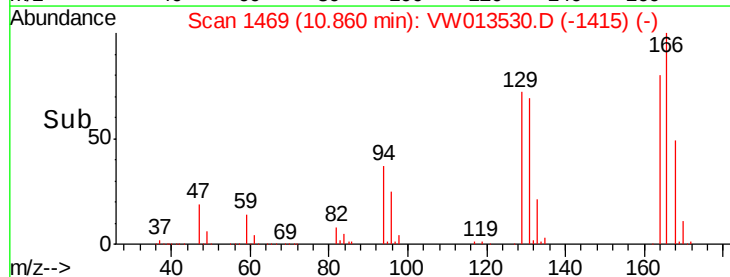
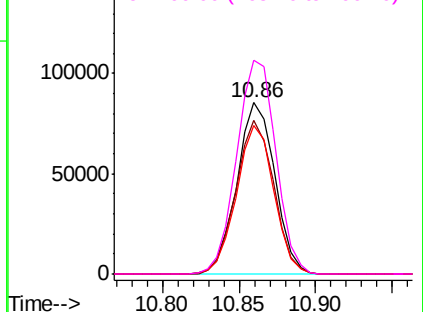
Abundance

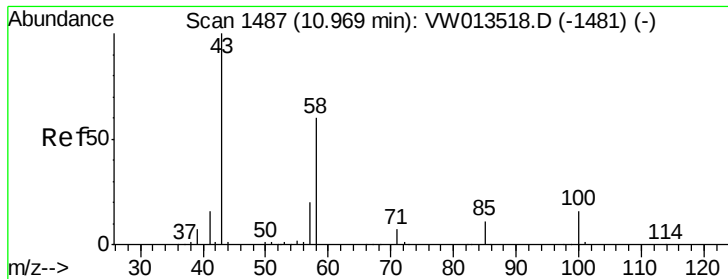
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

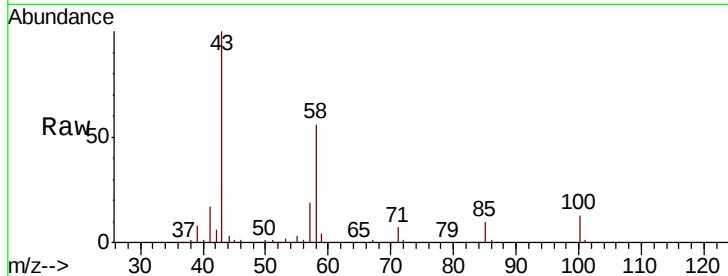
Ion 166.00 (165.70 to 166.70): V



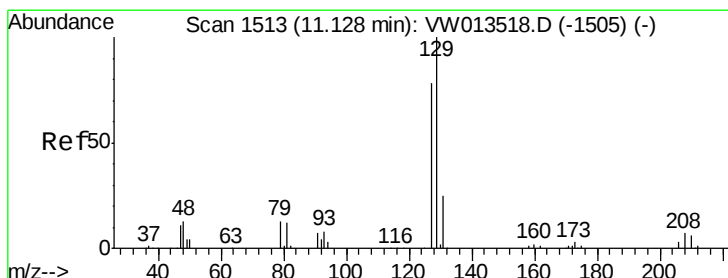
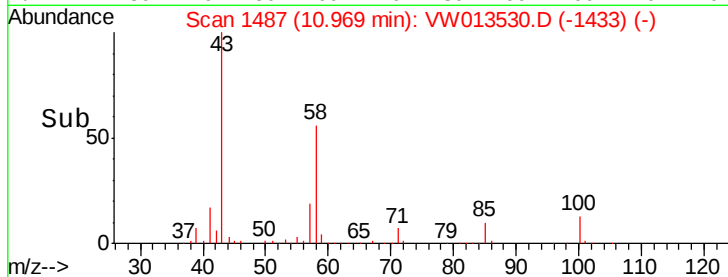
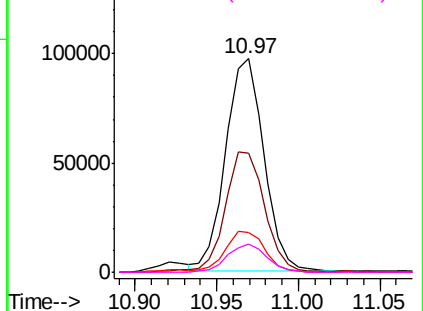


#49
2-Hexanone
Concen: 56.950 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013530.D
Acq: 10 Oct 2019 20:29

Tot Ion:	43	Resp:	160390
Ion	Ratio	Lower	Upper
43	100		
58	58.4	45.2	67.8
57	19.9	15.8	23.8
100	13.6	11.0	16.6

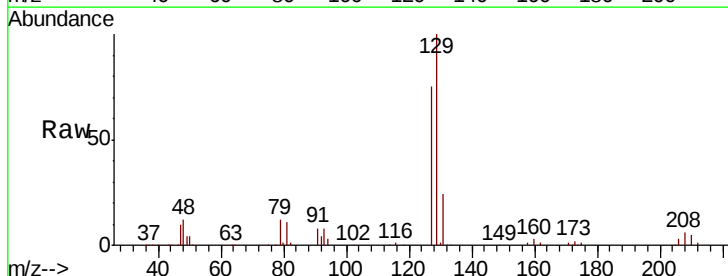


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

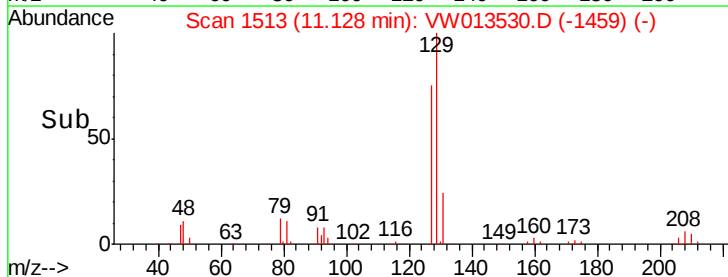
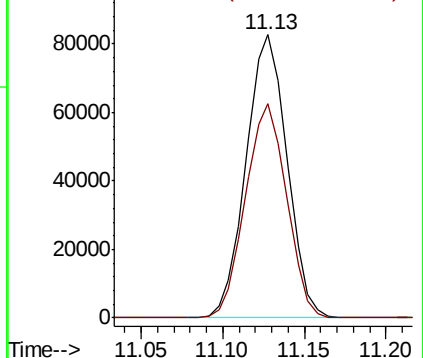


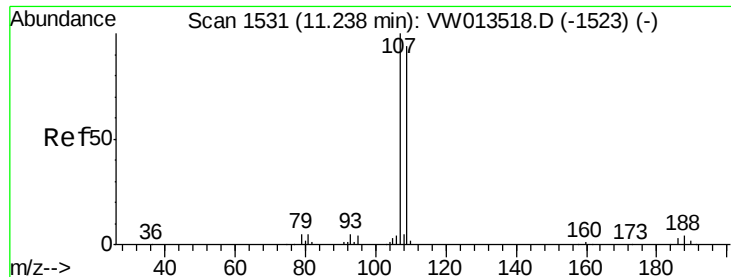
#50
Dibromochloromethane
Concen: 29.225 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013530.D
Acq: 10 Oct 2019 20:29

Tgt Ion:	129	Resp:	145068
Ion	Ratio	Lower	Upper
129	100		
127	75.5	54.7	101.5



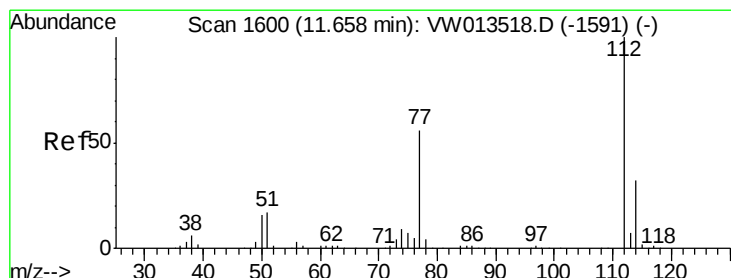
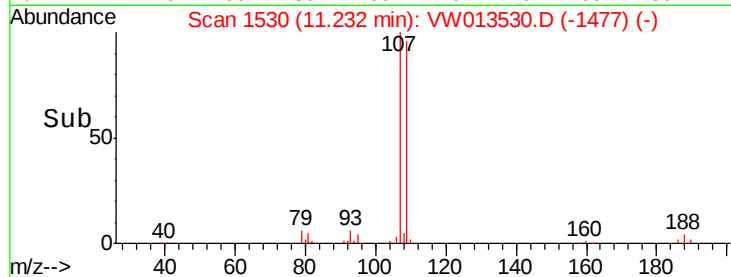
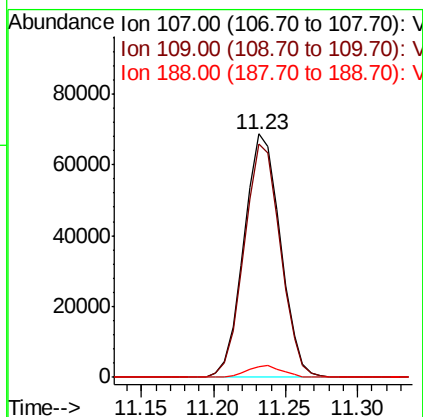
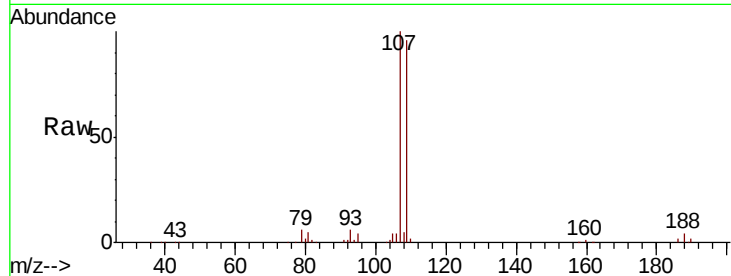
Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





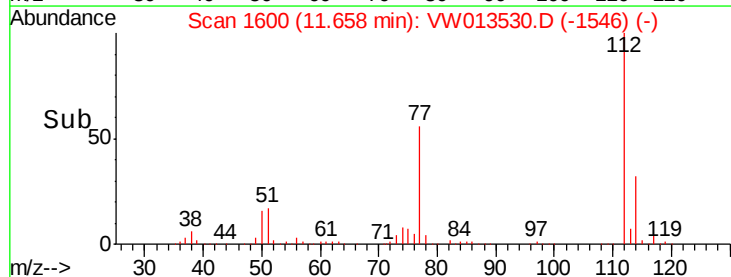
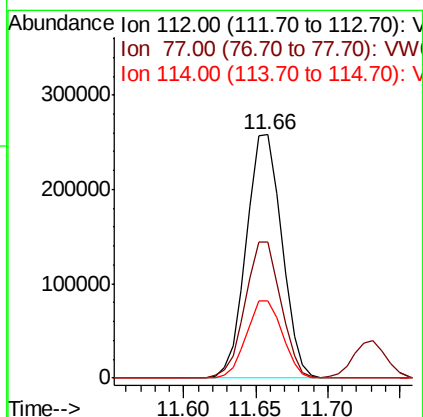
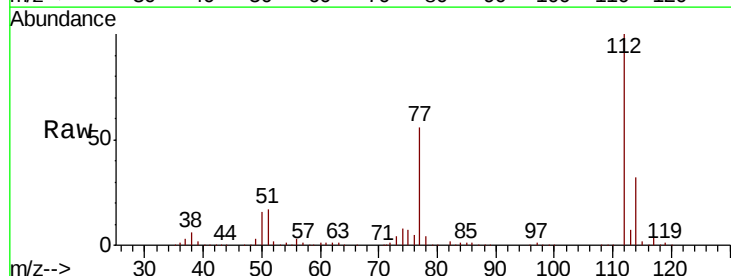
#51
1,2-Dibromoethane
Concen: 29.139 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW013530.D
Acq: 10 Oct 2019 20:29

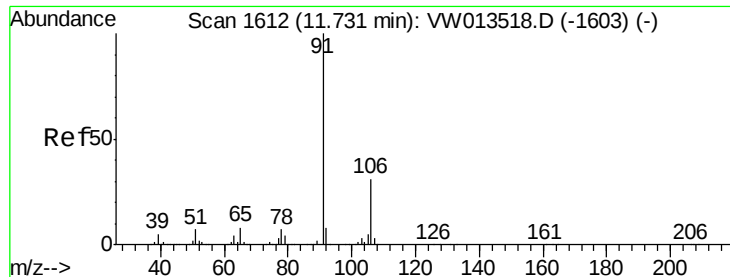
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	65.5	121.7
188	4.2	3.6	5.4



#52
Chlorobenzene
Concen: 27.858 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013530.D
Acq: 10 Oct 2019 20:29

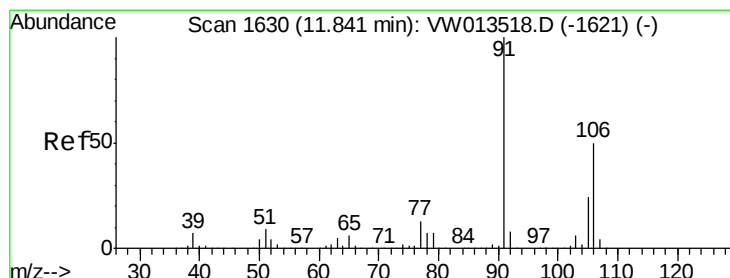
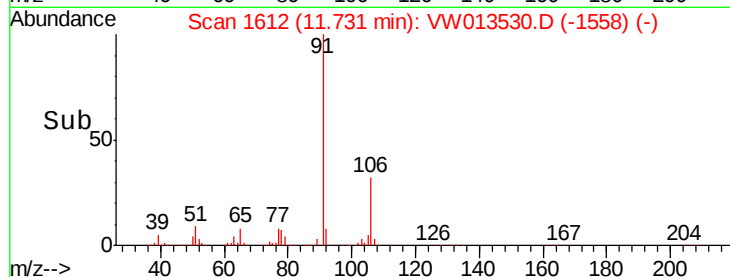
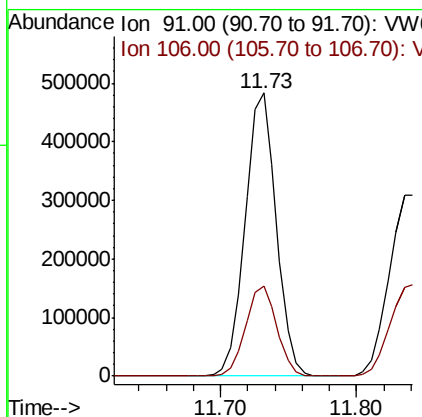
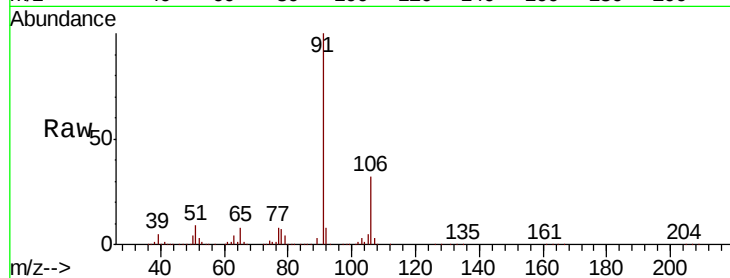
Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.1	44.5	66.7
114	31.8	22.7	42.3





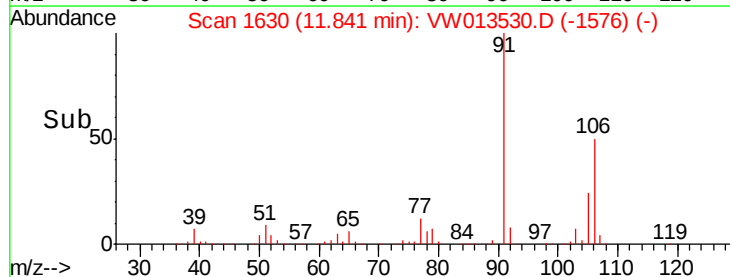
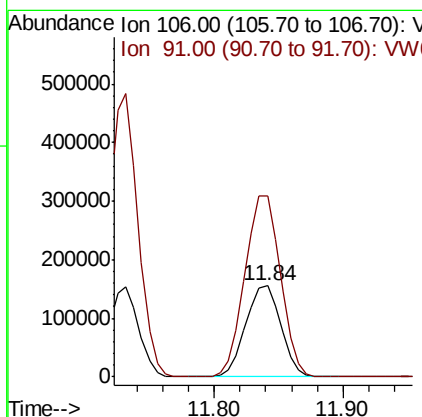
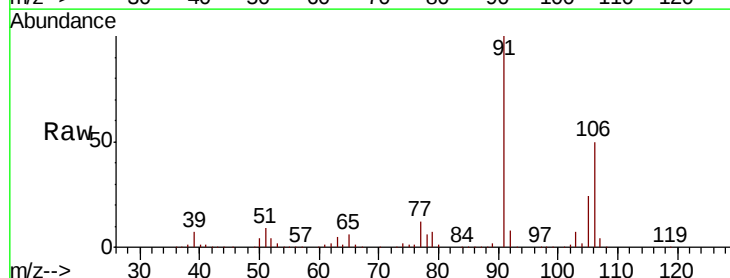
#53
Ethylbenzene
Concen: 27.895 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013530.D
Acq: 10 Oct 2019 20:29

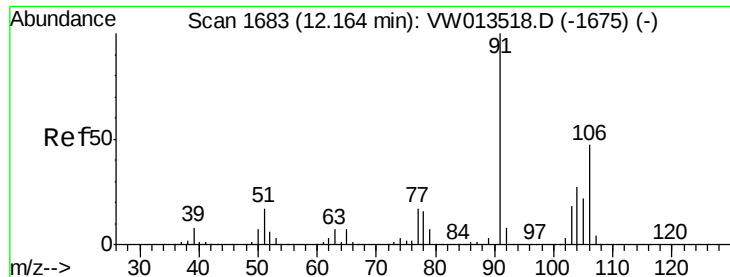
Tot Ion: 91 Resp: 771487
Ion Ratio Lower Upper
91 100
106 31.8 21.5 39.9



#54
m,p-Xylene
Concen: 27.329 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013530.D
Acq: 10 Oct 2019 20:29

Tgt Ion: 106 Resp: 294844
Ion Ratio Lower Upper
106 100
91 198.9 139.4 258.8





#55

o-xylene

Concen: 28.516 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW013530.D

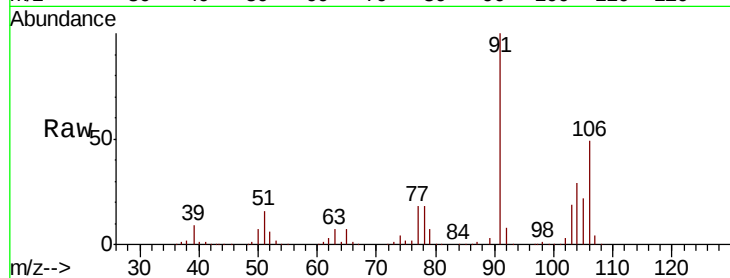
Acq: 10 Oct 2019 20:29

Tot Ion:106 Resp: 287176

Ion Ratio Lower Upper

106 100

91 205.0 148.4 275.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

400000

300000

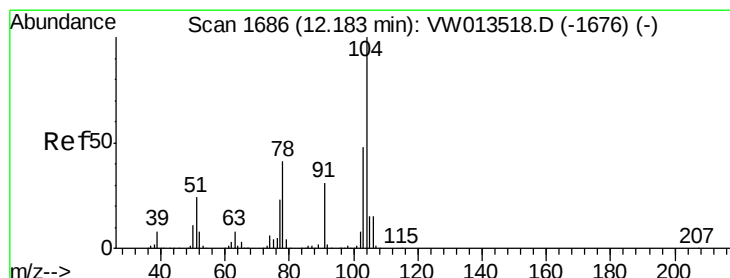
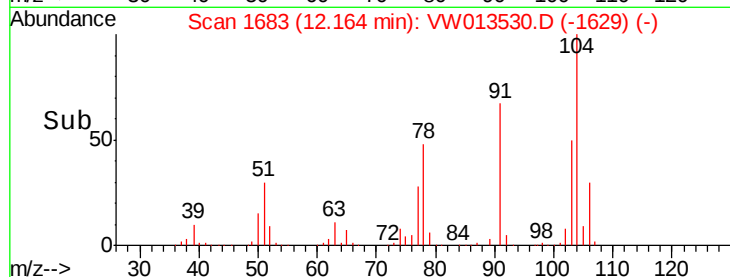
200000

100000

0

12.10 12.15 12.20 12.25

Time-->



#56

Styrene

Concen: 29.155 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW013530.D

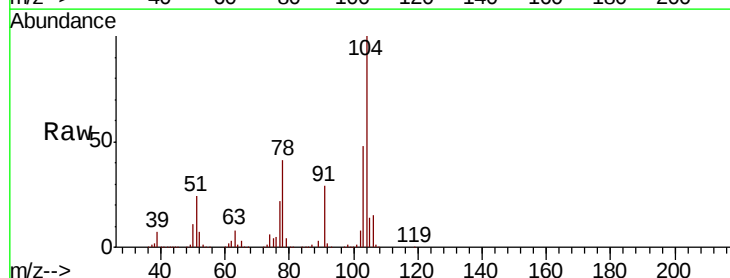
Acq: 10 Oct 2019 20:29

Tgt Ion:104 Resp: 500048

Ion Ratio Lower Upper

104 100

78 40.8 28.4 52.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

300000

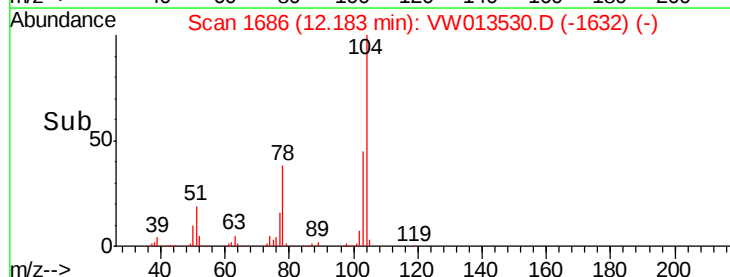
200000

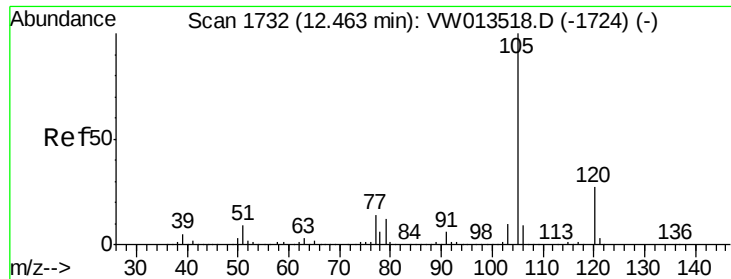
100000

0

12.10 12.20

Time-->





#57

Isopropylbenzene

Concen: 28.223 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013530.D

Acq: 10 Oct 2019 20:29

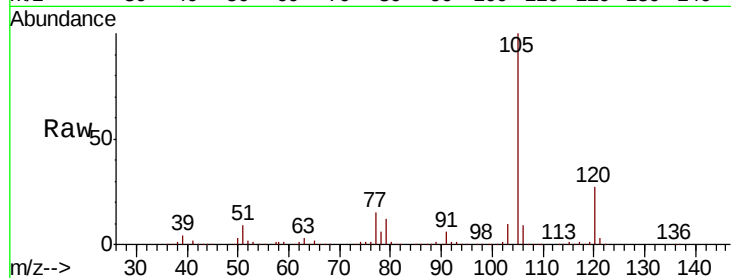
Tot Ion: 105 Resp: 771045

Ion Ratio Lower Upper

105 100

120 26.7 21.7 32.5

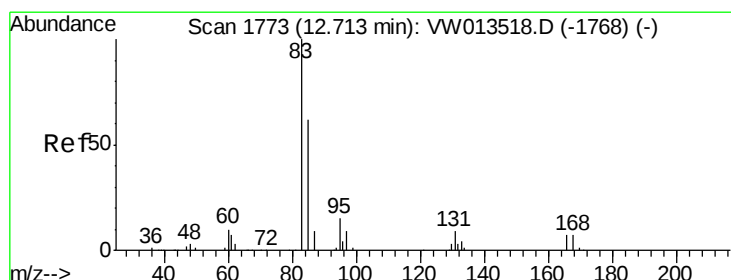
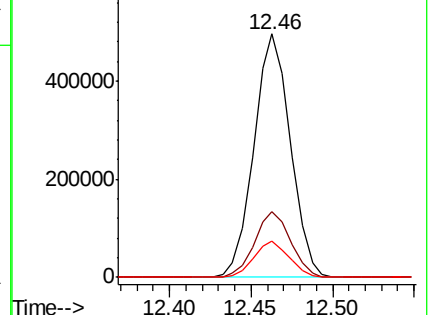
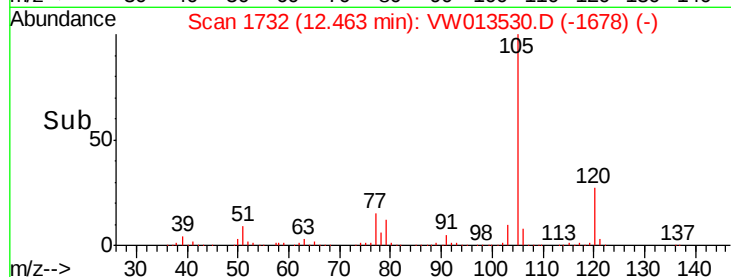
77 14.4 11.8 17.6



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: 29.909 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013530.D

Acq: 10 Oct 2019 20:29

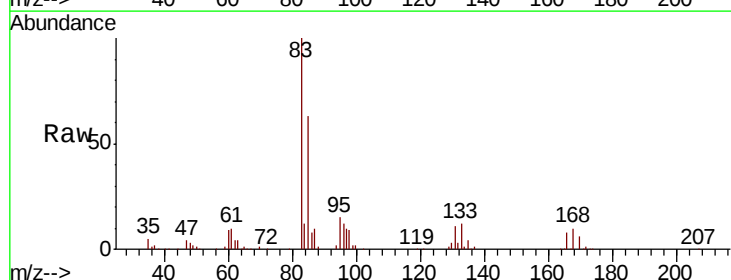
Tgt Ion: 83 Resp: 148977

Ion Ratio Lower Upper

83 100

85 63.1 44.7 83.1

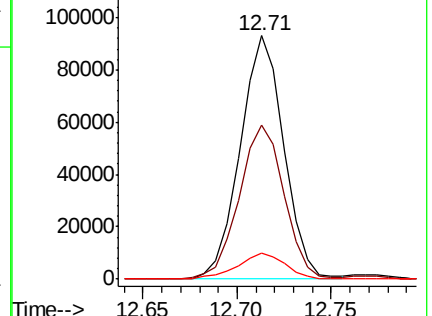
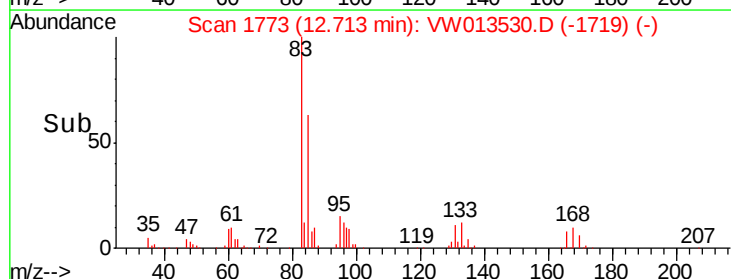
131 10.5 7.8 11.6

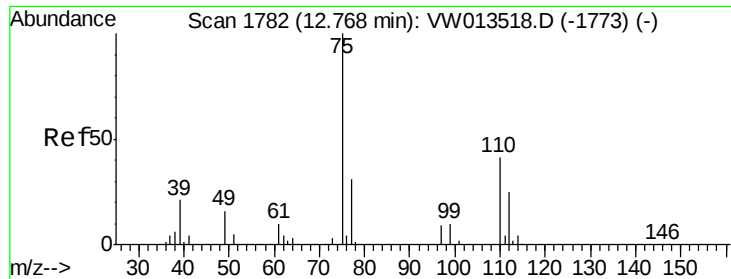


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

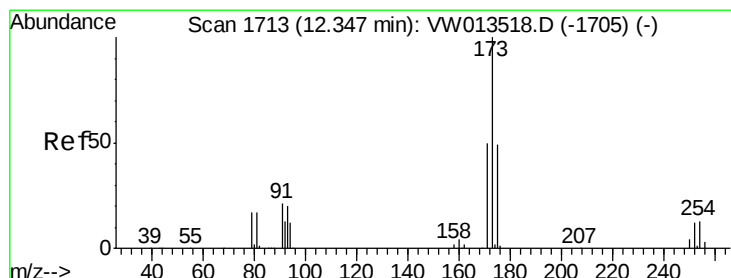
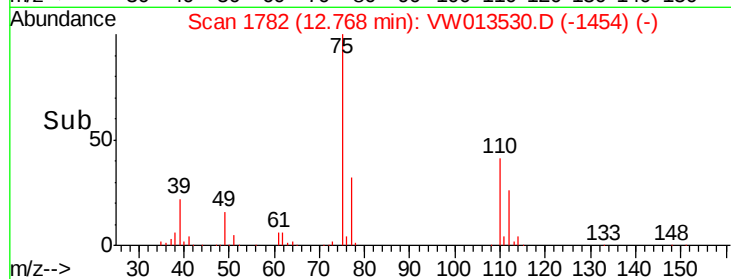
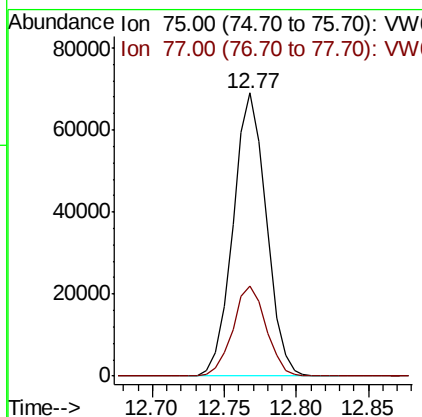
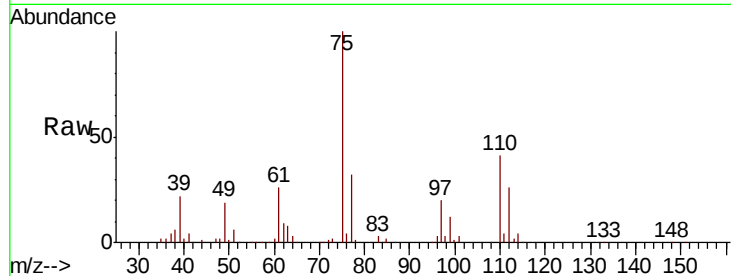
Ion 131.00 (130.70 to 131.70): V





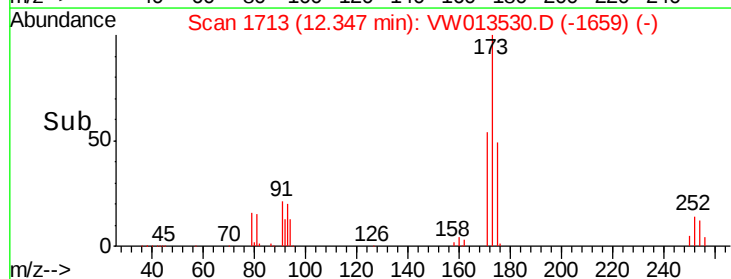
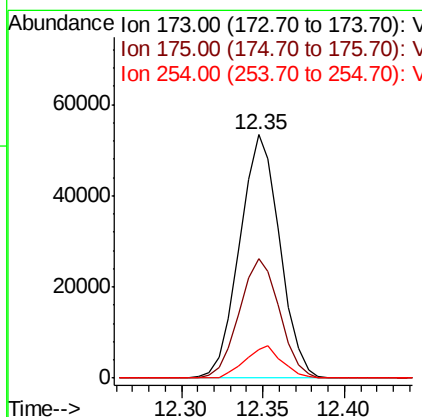
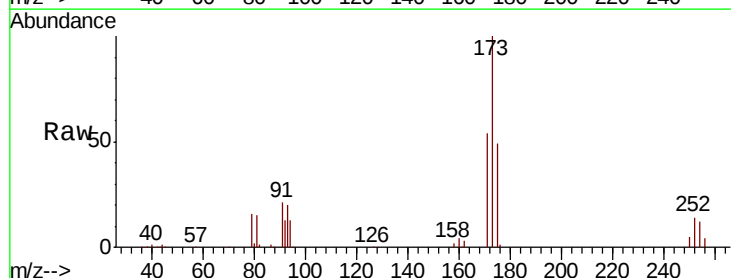
#59
 1,2,3-Trichloropropane
 Concen: 29.842 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013530.D
 Acq: 10 Oct 2019 20:29

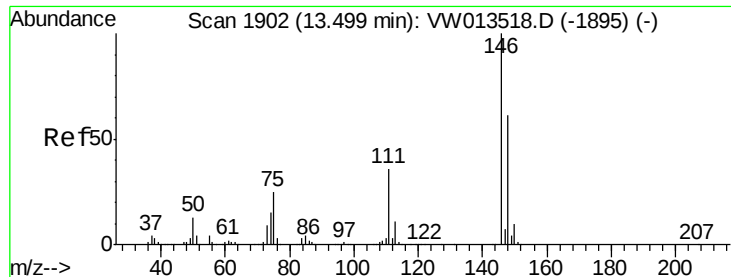
Tot Ion: 75 Resp: 110993
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3



#62
 Bromoform
 Concen: 28.637 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013530.D
 Acq: 10 Oct 2019 20:29

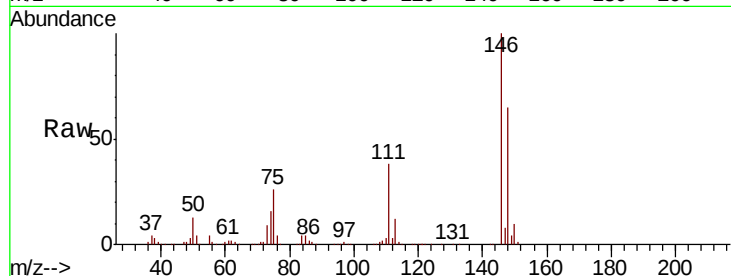
Tgt Ion: 173 Resp: 91118
 Ion Ratio Lower Upper
 173 100
 175 49.4 39.0 58.6
 254 11.9 10.1 15.1



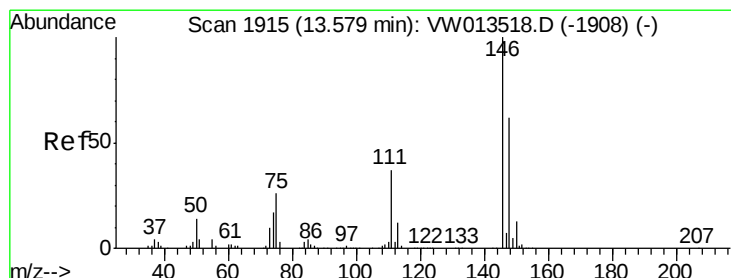
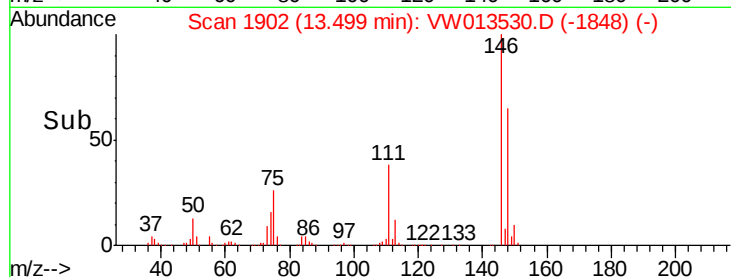
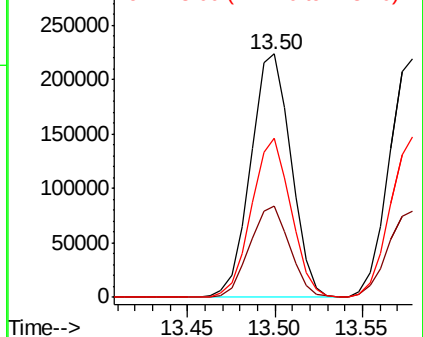


#63
 1,3-Dichlorobenzene
 Concen: 27.073 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013530.D
 Acq: 10 Oct 2019 20:29

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	25.3	46.9
148	65.4	42.8	79.4

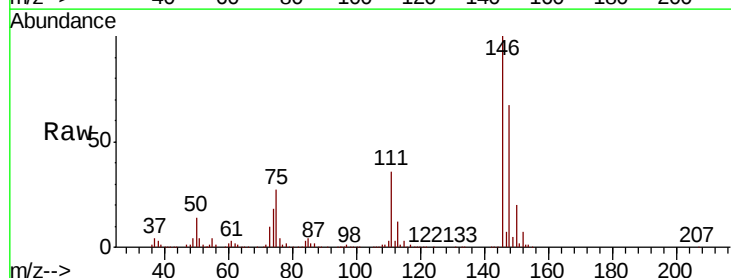


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

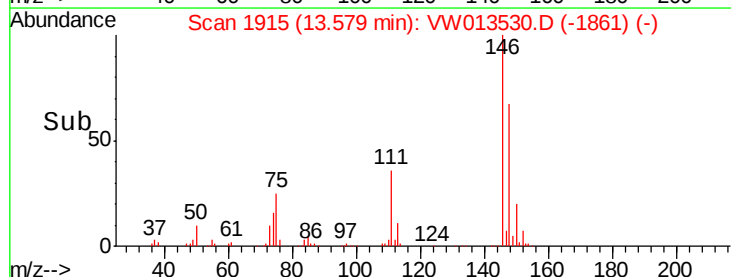
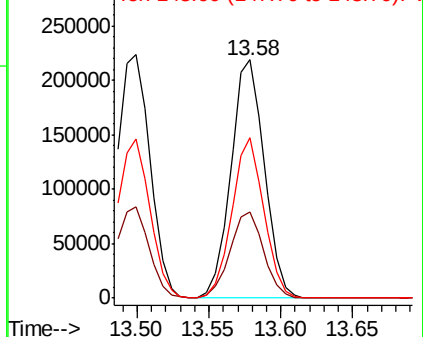


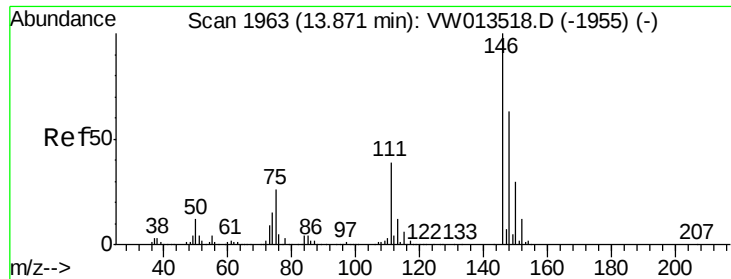
#64
 1,4-Dichlorobenzene
 Concen: 26.822 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013530.D
 Acq: 10 Oct 2019 20:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	25.8	47.8
148	67.4	43.7	81.1



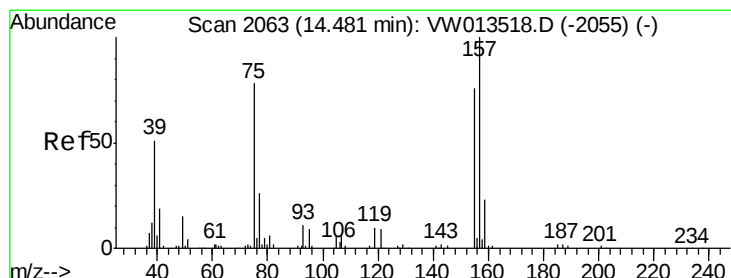
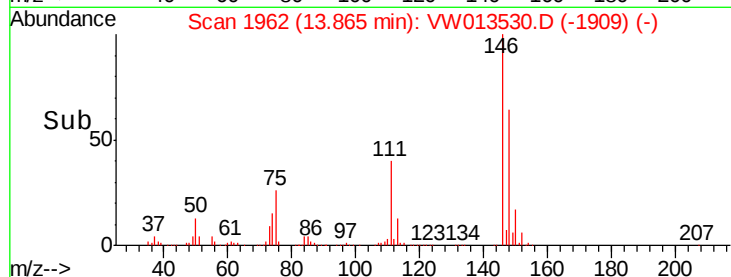
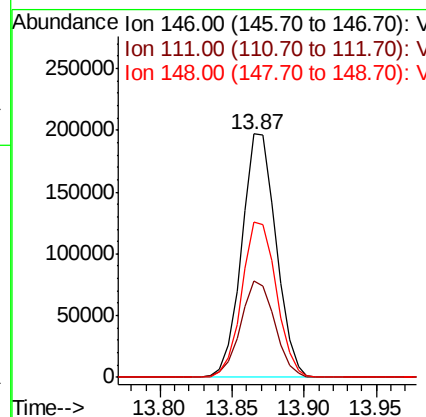
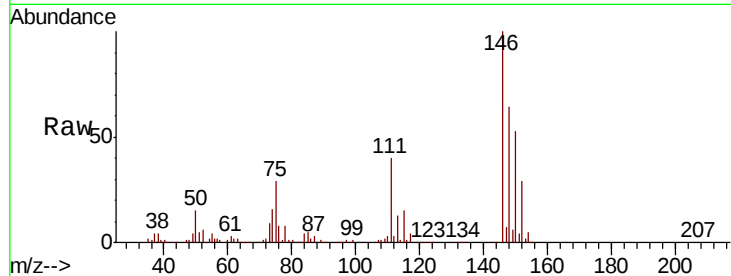
Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





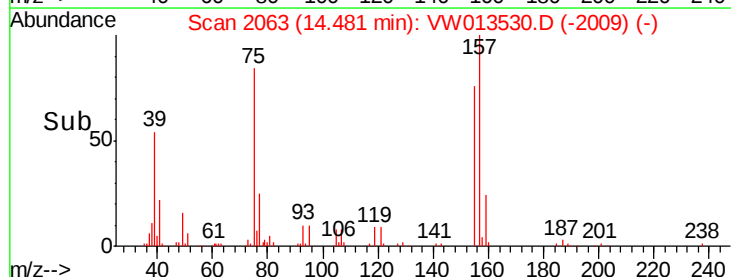
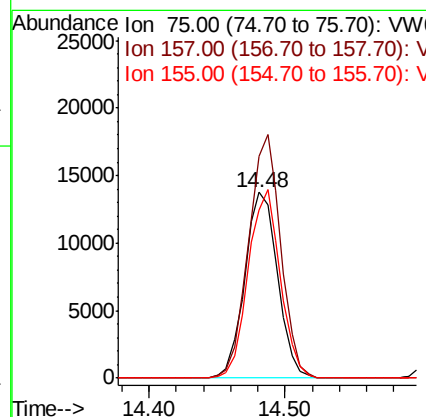
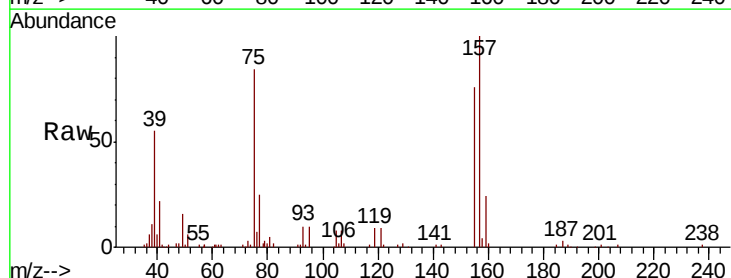
#65
 1,2-Dichlorobenzene
 Concen: 27.326 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW013530.D
 Acq: 10 Oct 2019 20:29

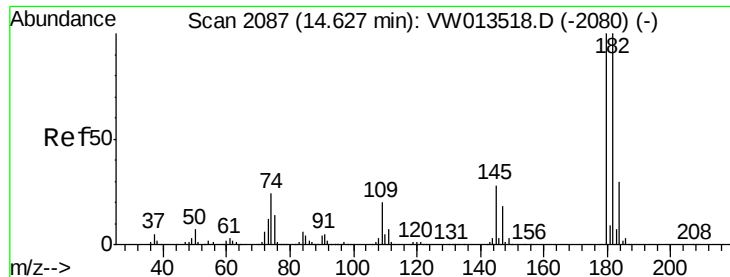
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	31.0	46.4
148	64.0	50.3	75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.144 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013530.D
 Acq: 10 Oct 2019 20:29

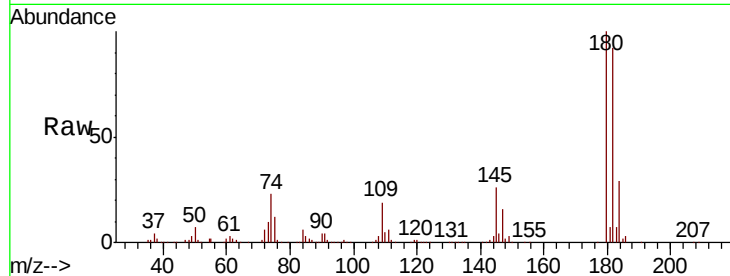
Tgt Ion	Ratio	Lower	Upper
75	100		
157	119.7	102.0	153.0
155	90.8	77.6	116.4



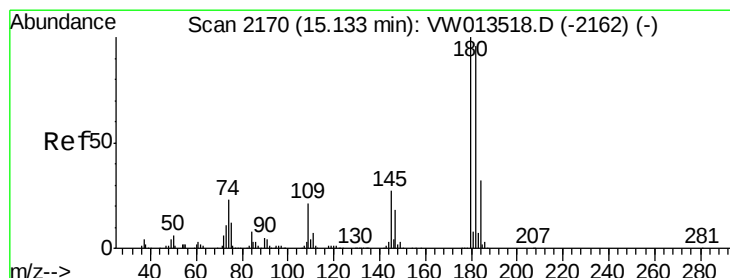
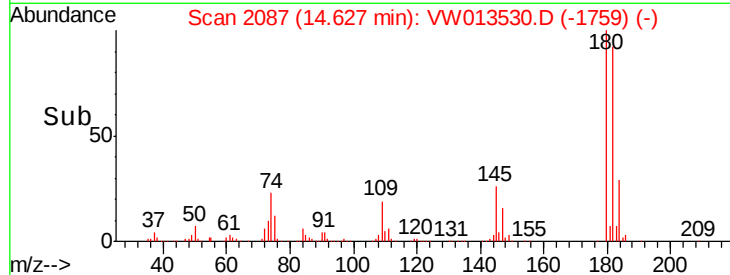
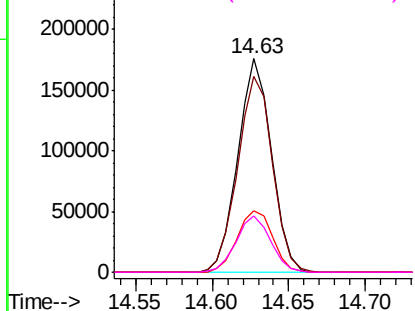


#67
 1,3,5-Trichlorobenzene
 Concen: 26.800 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013530.D
 Acq: 10 Oct 2019 20:29

Tot Ion:	180	Resp:	268135
Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.0	115.4
184	30.7	24.7	37.1
145	26.8	22.2	33.2

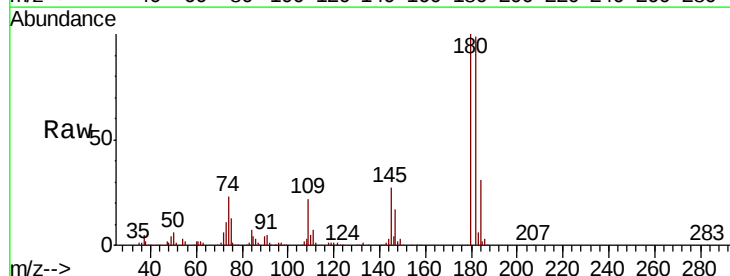


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

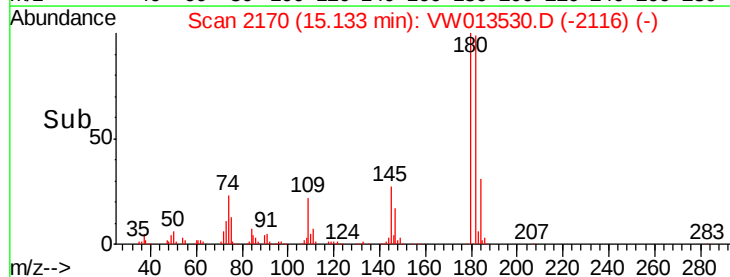
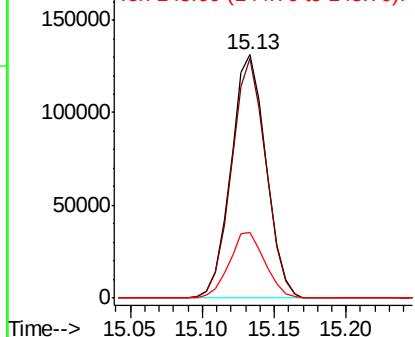


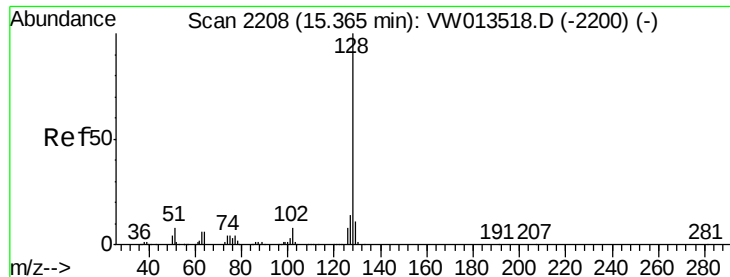
#68
 1,2,4-trichlorobenzene
 Concen: 26.851 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013530.D
 Acq: 10 Oct 2019 20:29

Tgt Ion:	180	Resp:	222665
Ion	Ratio	Lower	Upper
180	100		
182	96.7	78.2	117.2
145	27.5	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: 28.594 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013530.D

Acq: 10 Oct 2019 20:29

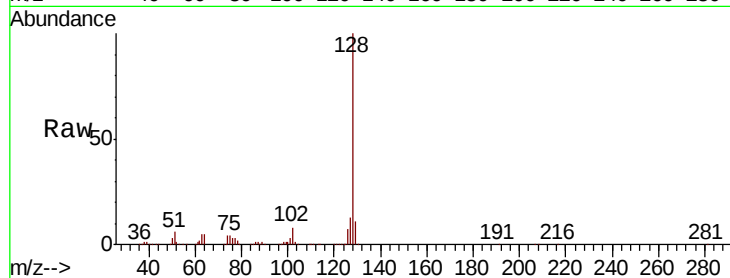
Tot Ion:128 Resp: 431890

Ion Ratio Lower Upper

128 100

129 11.0 8.5 12.7

127 13.1 10.4 15.6

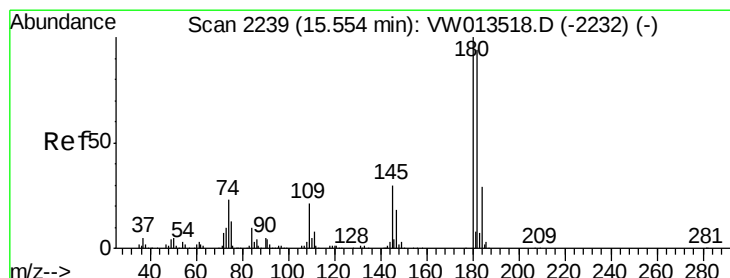
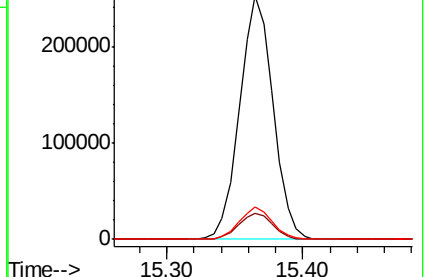
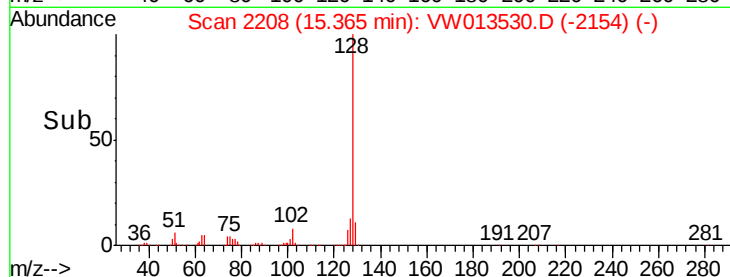


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

15.36



#70

1,2,3-Trichlorobenzene

Concen: 27.354 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013530.D

Acq: 10 Oct 2019 20:29

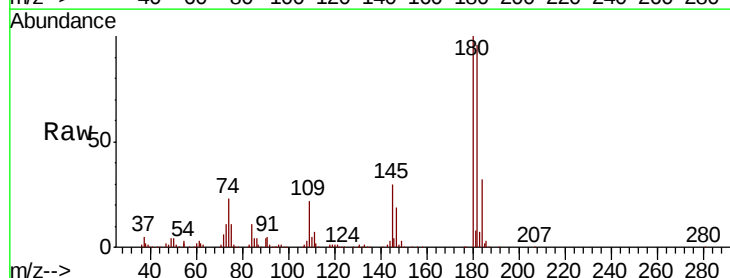
Tgt Ion:180 Resp: 201988

Ion Ratio Lower Upper

180 100

182 95.2 76.0 114.0

145 29.2 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

15.55

