

Data File : VW011012.D
Acq On : 27 Jun 2019 09:44
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 28 04:07:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 27 07:30:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	351878	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	315915	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	155906	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	119664	26.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.96%
7) Chloroethane-d5	2.88	69	91115	25.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.64%
10) 1,1-Dichloroethene-d2	4.02	63	279894	25.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.88%
20) 2-Butanone-d5	7.08	46	98781	46.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.24%
24) Chloroform-d	7.64	84	248698	26.21	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.84%
26) 1,2-Dichloroethane-d4	8.31	65	149675	25.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.76%
29) Benzene-d6	8.27	84	498323	26.27	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.08%
33) 1,2-Dichloropropane-d6	9.27	67	163263	26.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.20%
37) Toluene-d8	10.32	98	443596	25.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.68%
38) trans-1,3-Dichloropropene-	10.57	79	67422	24.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.24%
39) 2-Hexanone-d5	10.92	63	63480	45.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.14%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	128718	24.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	150126	25.51	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.04%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	134621	27.217 ug/L	100
3) Chloromethane	2.21	50	121034	23.015 ug/L	99
5) Vinyl chloride	2.36	62	165170	26.269 ug/L	99
6) Bromomethane	2.78	94	77044	24.825 ug/L	99
8) Chloroethane	2.92	64	85212	25.589 ug/L	98
9) Trichlorofluoromethane	3.25	101	56900	26.797 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	122017	24.726 ug/L	97
12) 1,1-Dichloroethene	4.03	96	123323	25.038 ug/L	89
13) Acetone	4.14	43	89048	43.414 ug/L	98
14) Carbon disulfide	4.38	76	361738	24.805 ug/L	100
15) Methyl Acetate	4.67	43	73528	20.709 ug/L	100
16) Methylene chloride	4.92	84	127233	24.414 ug/L	97
17) Methyl tert-butyl Ether	5.42	73	182616	23.680 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	122100	24.652 ug/L	99
19) 1,1-Dichloroethane	6.21	63	248198	24.535 ug/L	98
21) 2-Butanone	7.18	43	117410	43.525 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	129452	24.292 ug/L	100

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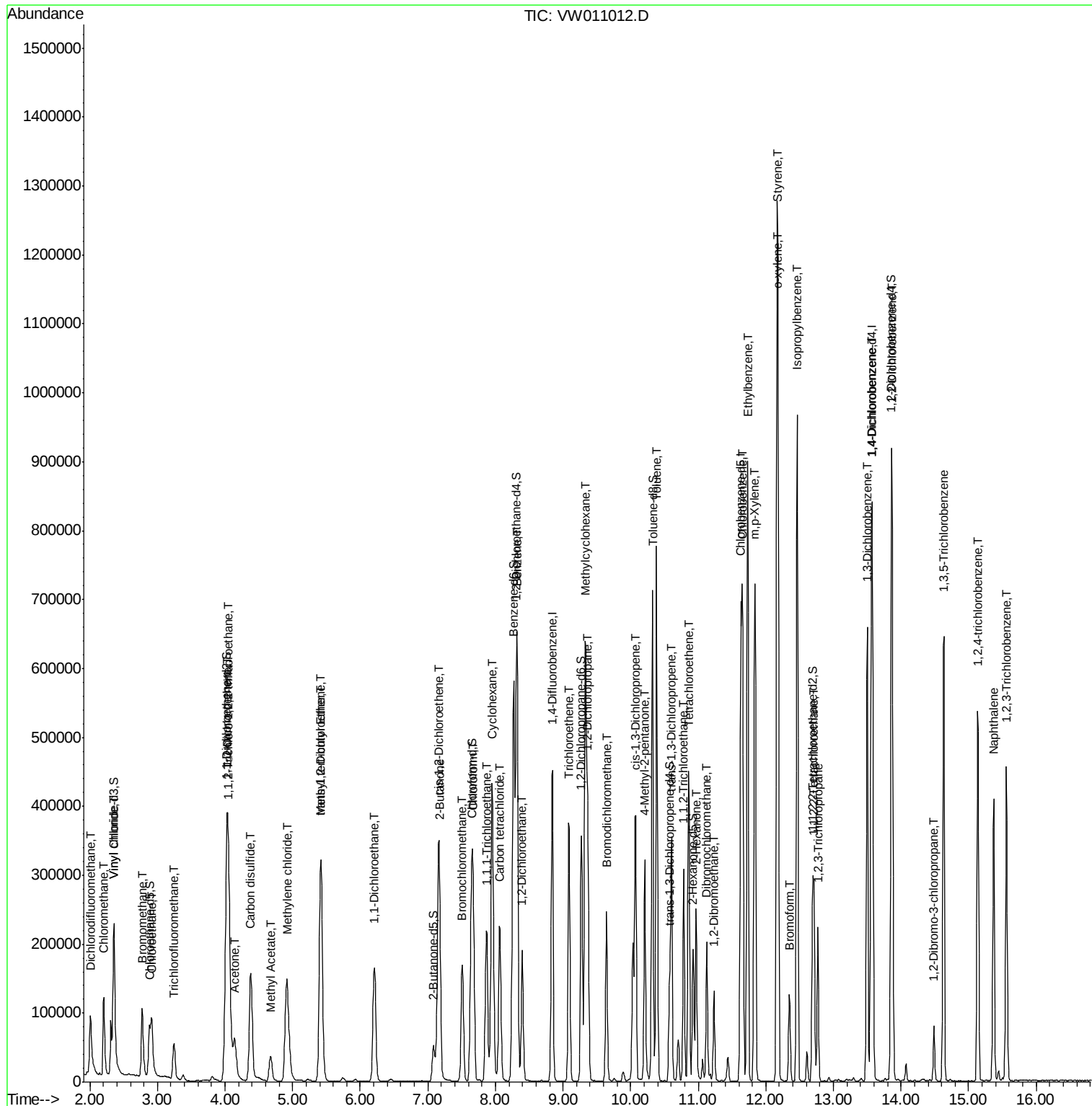
Quant Time: Jun 28 04:07:31 2019
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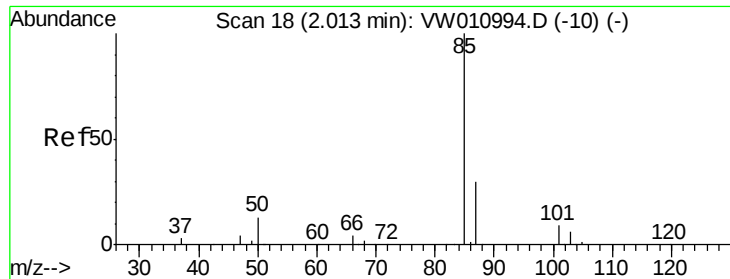
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	53269	23.503	ug/L	98
25) Chloroform	7.67	83	227506	24.512	ug/L	100
27) 1,2-Dichloroethane	8.40	62	170322	23.419	ug/L	100
30) Cyclohexane	7.95	56	258770	24.771	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	175584	25.555	ug/L	99
32) Carbon tetrachloride	8.06	117	165194	25.454	ug/L	98
34) Benzene	8.32	78	515545	24.834	ug/L	100
35) Trichloroethene	9.09	95	129841	24.663	ug/L	100
36) Methylcyclohexane	9.33	83	246195	25.478	ug/L	98
40) 1,2-Dichloropropane	9.37	63	138743	24.282	ug/L	100
41) Bromodichloromethane	9.64	83	161287	24.053	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	210060	23.898	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	225980	42.618	ug/L	99
44) Toluene	10.38	91	535377	24.663	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	170928	23.524	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	91247	23.301	ug/L	99
47) Tetrachloroethene	10.86	164	97535	24.429	ug/L	96
49) 2-Hexanone	10.97	43	170462	45.187	ug/L	99
50) Dibromochloromethane	11.13	129	101199	23.470	ug/L	100
51) 1,2-Dibromoethane	11.23	107	87028	22.981	ug/L	98
52) Chlorobenzene	11.66	112	320485	24.534	ug/L	99
53) Ethylbenzene	11.73	91	607111	24.824	ug/L	100
54) m,p-Xylene	11.84	106	222242	25.042	ug/L	100
55) o-xylene	12.16	106	212379	24.939	ug/L	100
56) Styrene	12.18	104	364235	24.803	ug/L	97
57) Isopropylbenzene	12.46	105	582394	25.208	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	116937	22.838	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	90025	22.645	ug/L	100
62) Bromoform	12.35	173	54881	21.992	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	245047	24.142	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	248380	24.361	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	225152	23.983	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	19447	20.245	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	191395	24.774	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	160691	24.542	ug/L	100
69) Naphthalene	15.37	128	327086	23.410	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	146926	24.704	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 27.217 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011012.D

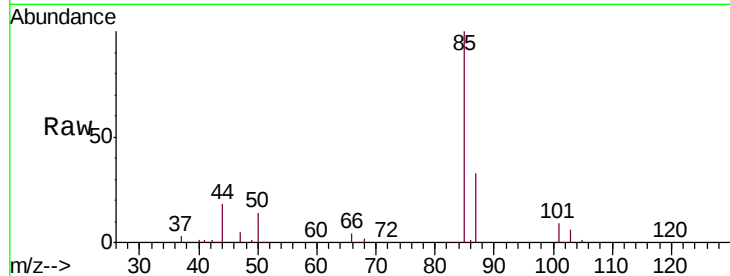
Acq: 27 Jun 2019 09:44

Tgt Ion: 85 Resp: 134621

Ion Ratio Lower Upper

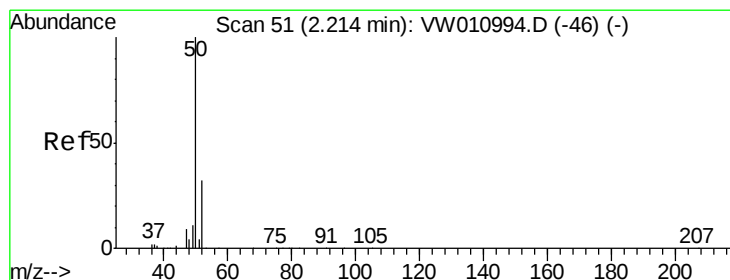
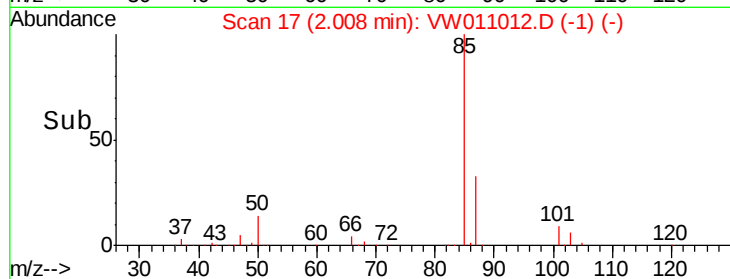
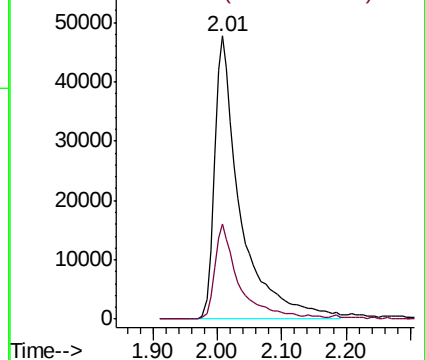
85 100

87 31.0 21.8 40.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.015 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011012.D

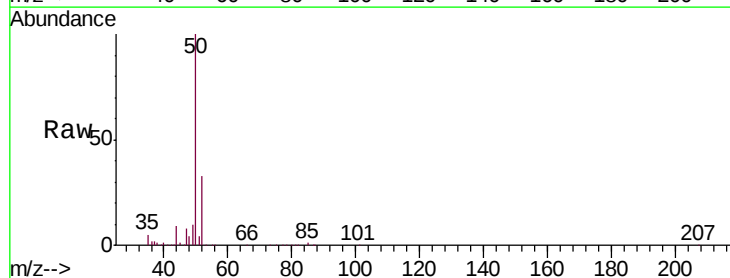
Acq: 27 Jun 2019 09:44

Tgt Ion: 50 Resp: 121034

Ion Ratio Lower Upper

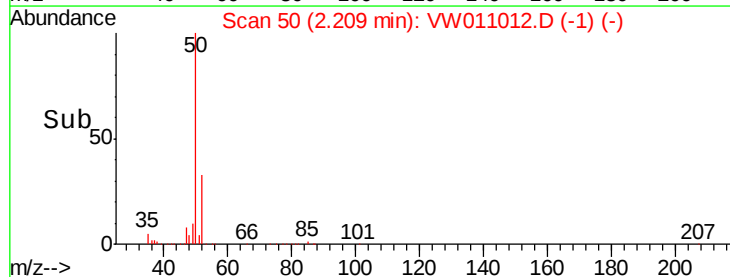
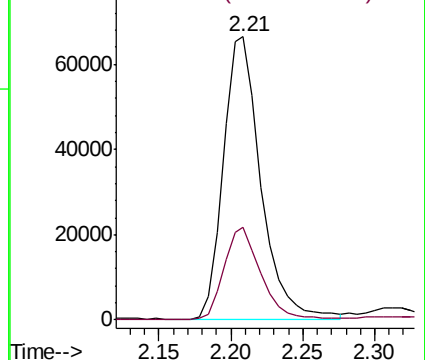
50 100

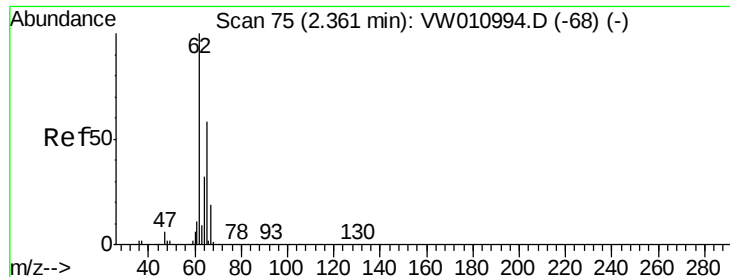
52 32.7 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.269 ug/L

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011012.D

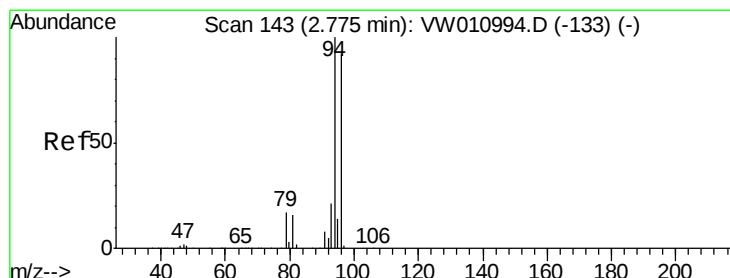
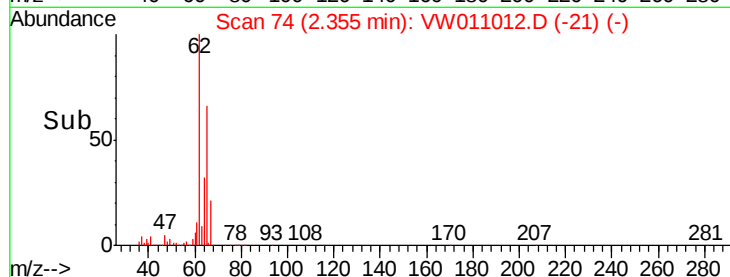
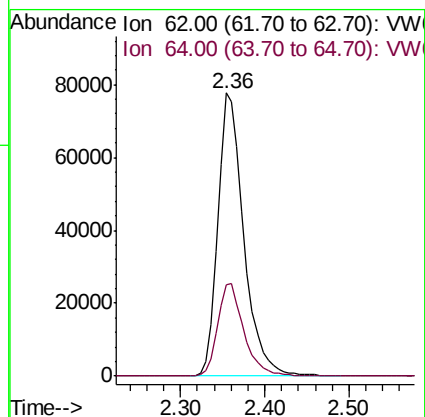
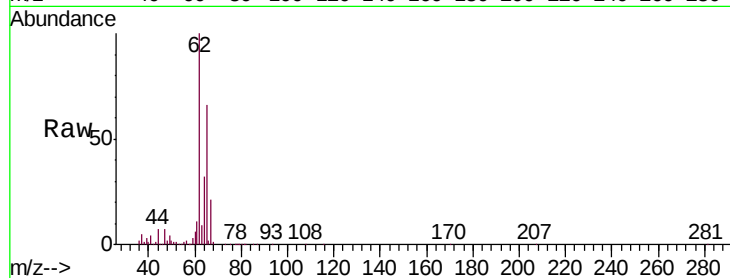
Acq: 27 Jun 2019 09:44

Tgt Ion: 62 Resp: 165170

Ion Ratio Lower Upper

62 100

64 32.2 22.9 42.5



#6

Bromomethane

Concen: 24.825 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW011012.D

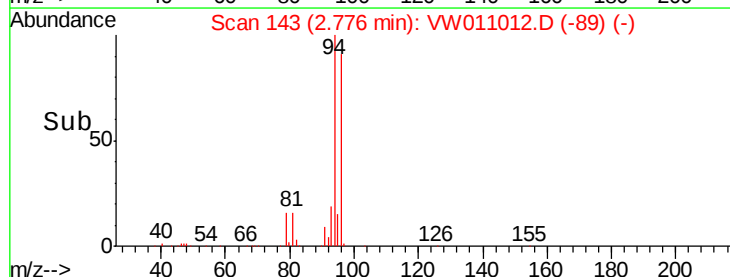
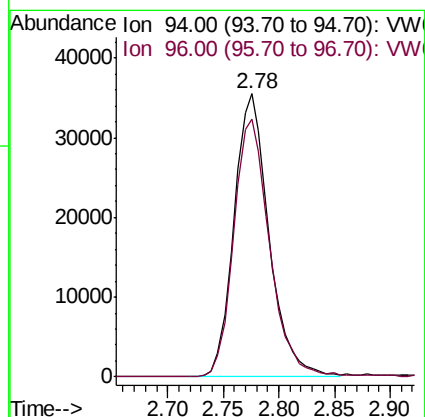
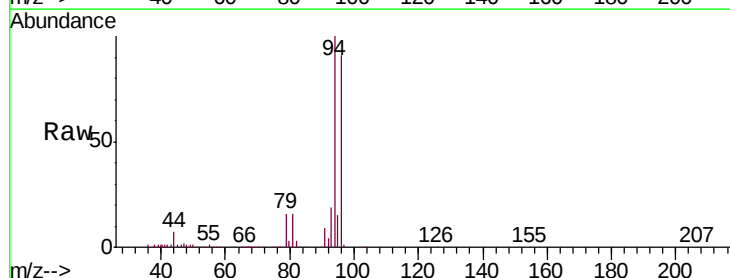
Acq: 27 Jun 2019 09:44

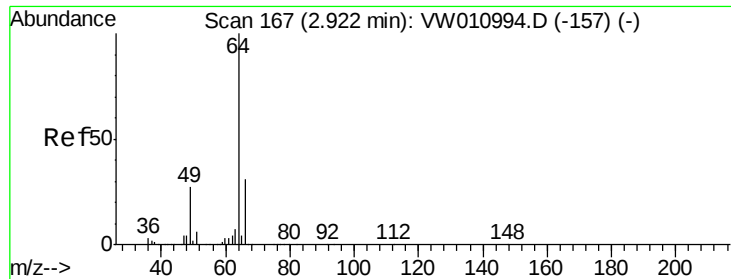
Tgt Ion: 94 Resp: 77044

Ion Ratio Lower Upper

94 100

96 93.9 9.2 175.8





#8

Chloroethane

Concen: 25.589 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011012.D

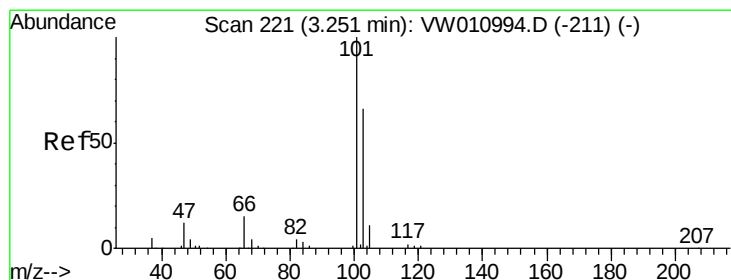
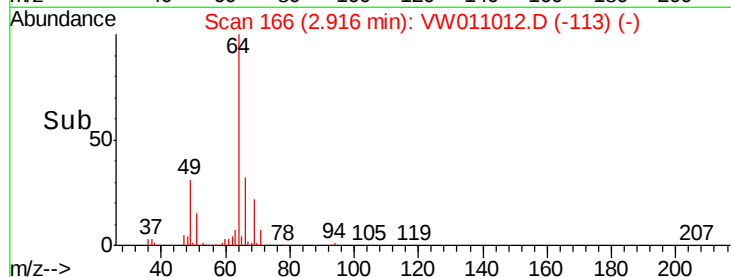
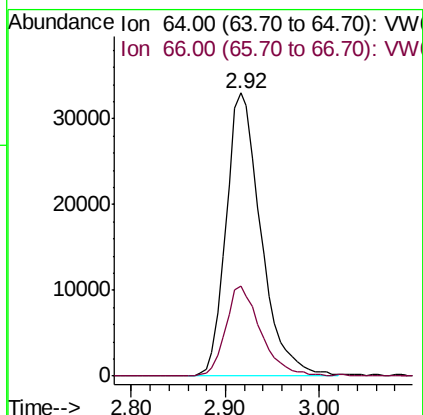
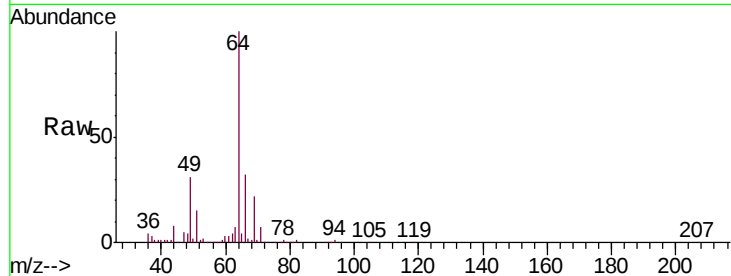
Acq: 27 Jun 2019 09:44

Tgt Ion: 64 Resp: 85212

Ion Ratio Lower Upper

64 100

66 32.1 21.8 40.4



#9

Trichlorofluoromethane

Concen: 26.797 ug/L

RT: 3.25 min Scan# 220

Delta R.T. -0.01 min

Lab File: VW011012.D

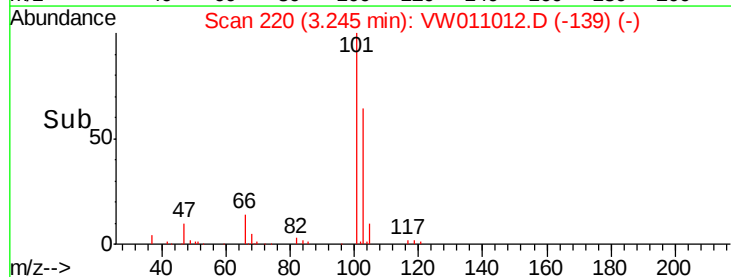
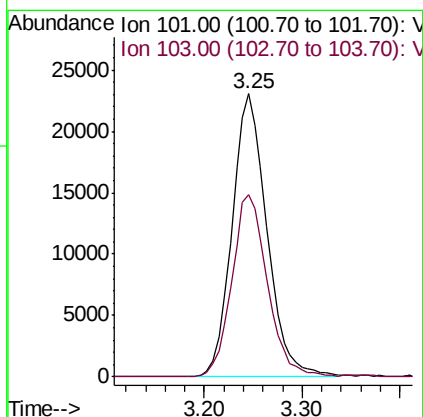
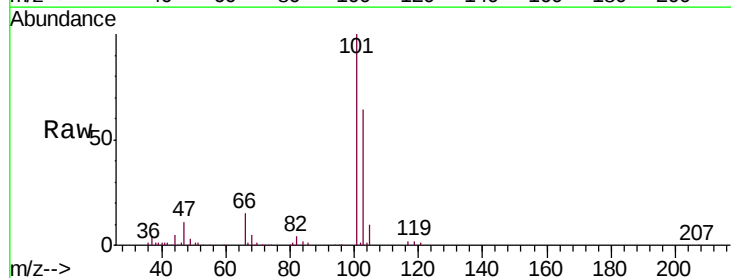
Acq: 27 Jun 2019 09:44

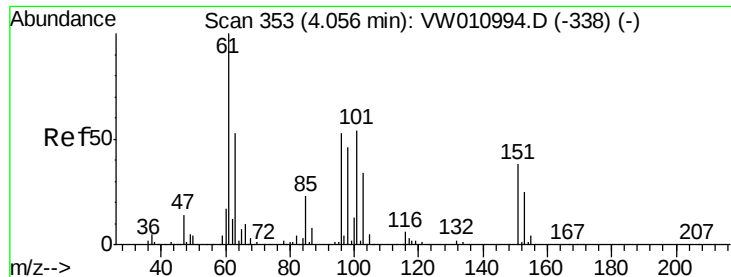
Tgt Ion: 101 Resp: 56900

Ion Ratio Lower Upper

101 100

103 66.0 46.4 86.2





#11

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

Concen: 24.726 ug/L

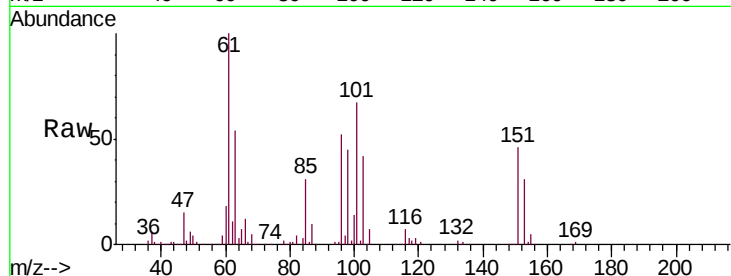
RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

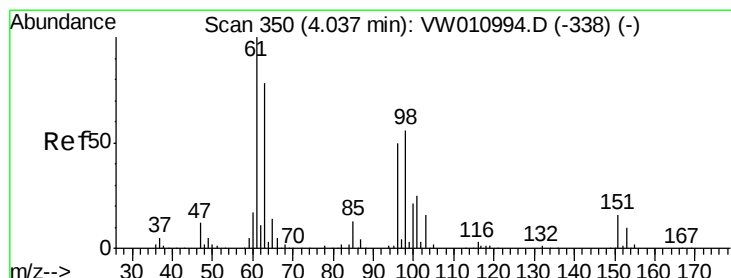
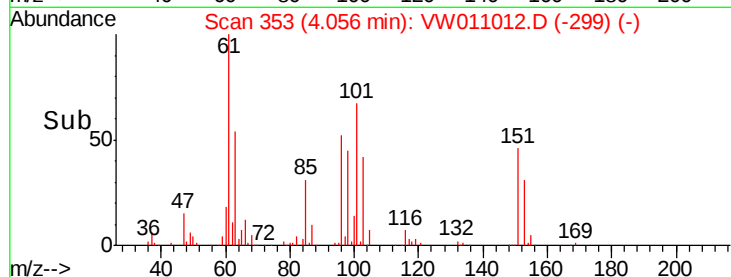
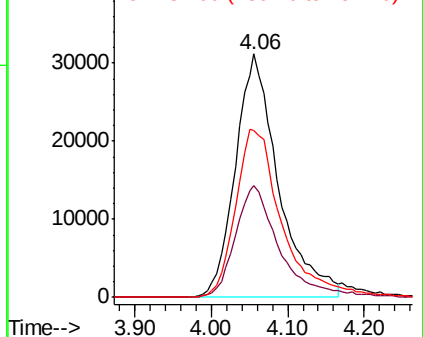
Lab File: VW011012.D

Acq: 27 Jun 2019 09:44

Tgt Ion:	101	Resp:	122017
Ion	Ratio	Lower	Upper
101	100		
85	46.0	35.8	53.8
151	74.5	56.9	85.3



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: 25.038 ug/L

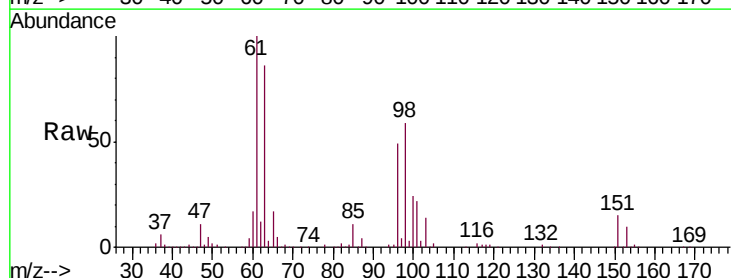
RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

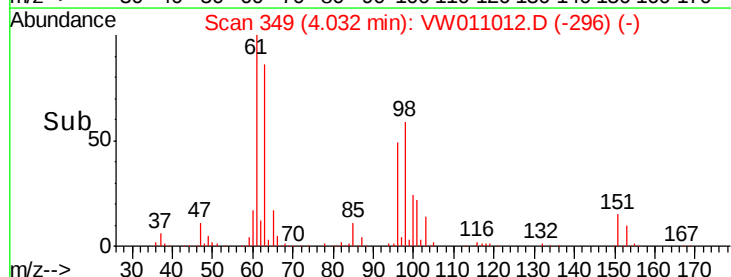
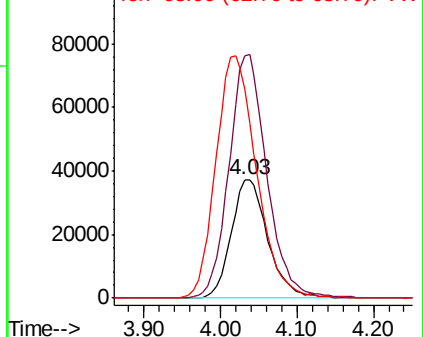
Lab File: VW011012.D

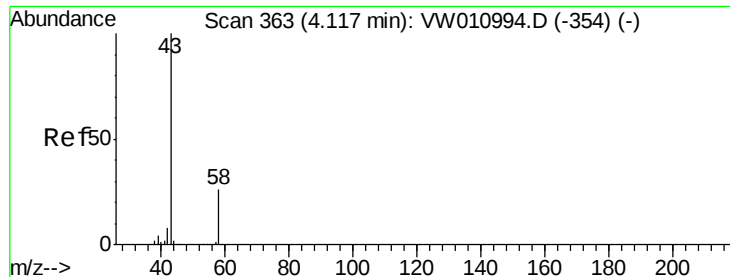
Acq: 27 Jun 2019 09:44

Tgt Ion:	96	Resp:	123323
Ion	Ratio	Lower	Upper
96	100		
61	204.6	144.5	268.3
63	175.7	102.3	189.9



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: 43.414 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011012.D

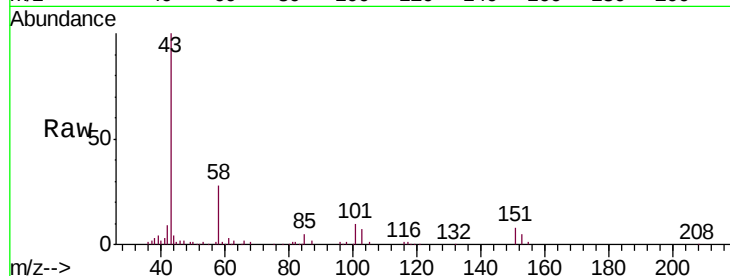
Acq: 27 Jun 2019 09:44

Tgt Ion: 43 Resp: 89048

Ion Ratio Lower Upper

43 100

58 27.5 0.0 53.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

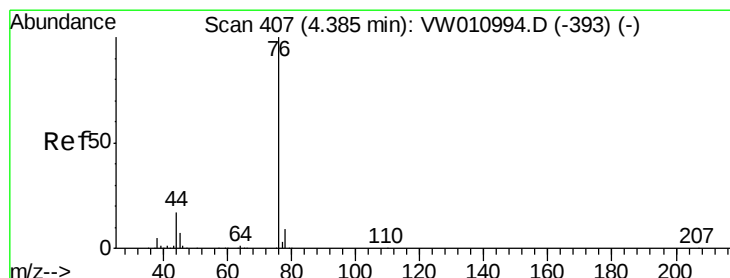
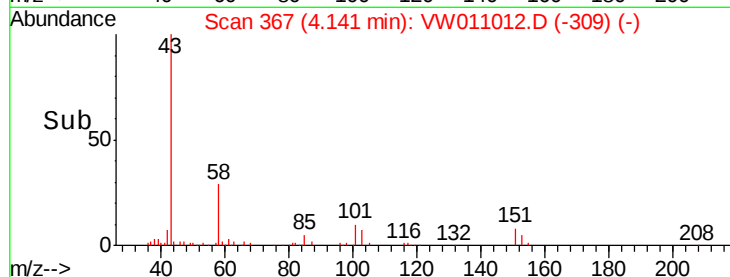
30000

20000

10000

0

Time--> 4.00 4.10 4.20 4.30



#14

Carbon disulfide

Concen: 24.805 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011012.D

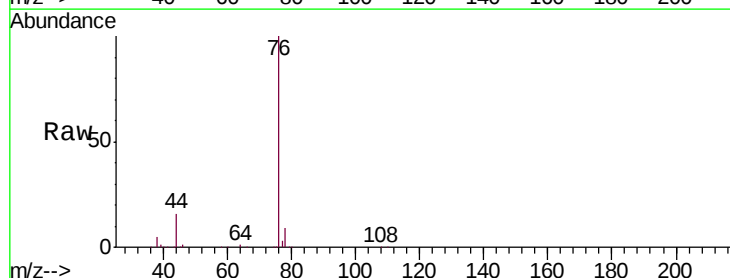
Acq: 27 Jun 2019 09:44

Tgt Ion: 76 Resp: 361738

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

120000

100000

80000

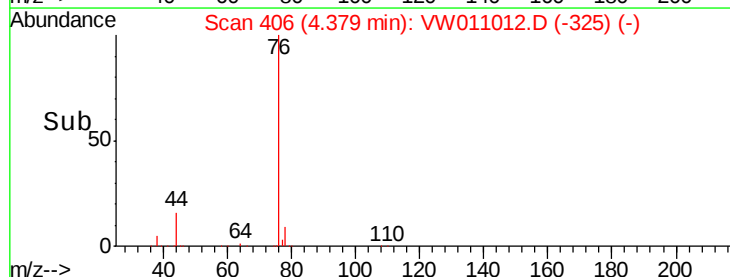
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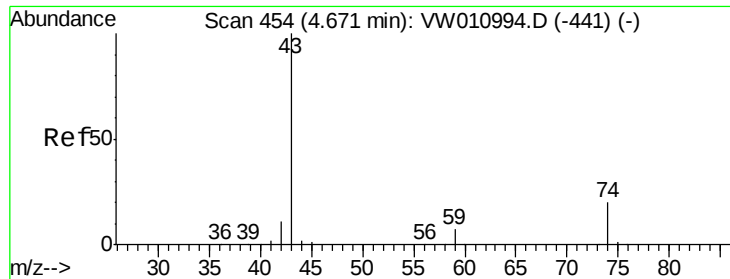
40000

20000

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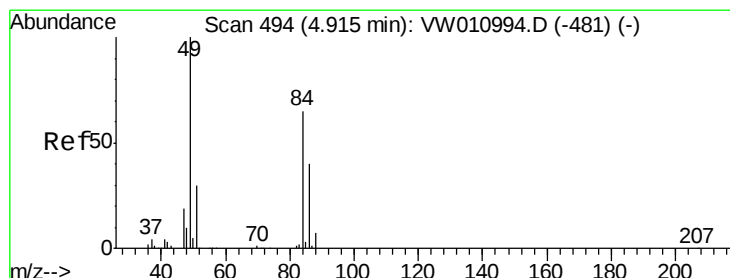
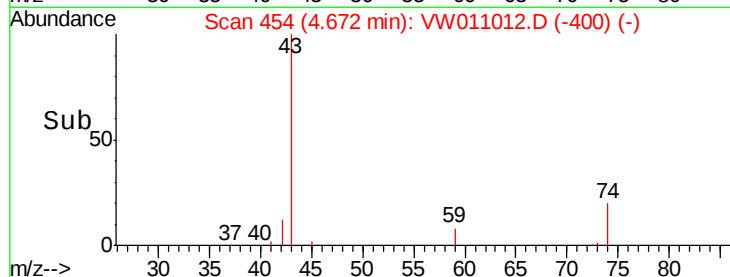
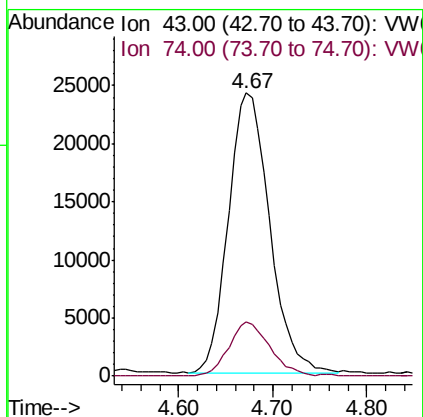
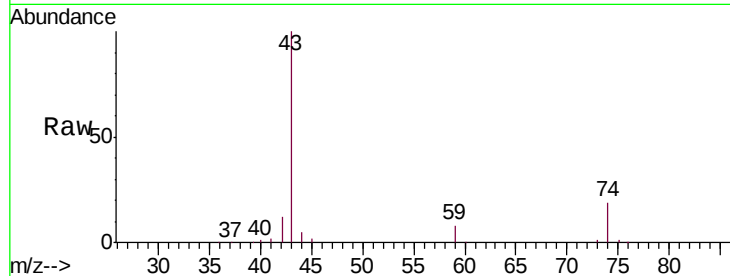
Time--> 4.30 4.40 4.50





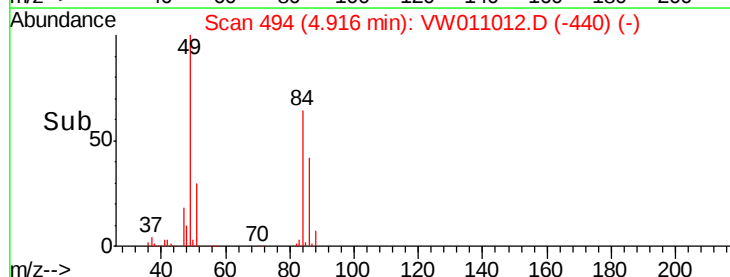
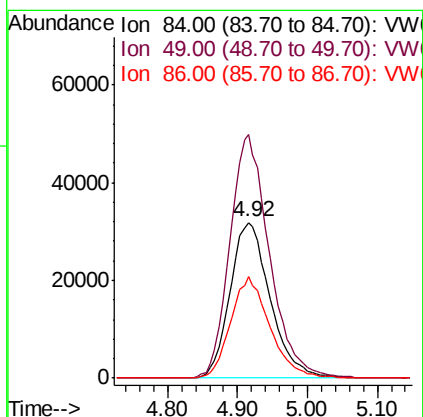
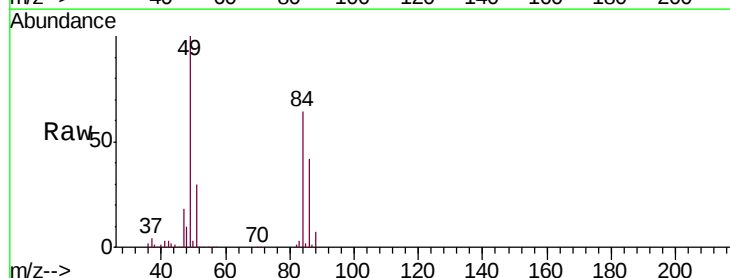
#15
Methyl Acetate
Concen: 20.709 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW011012.D
Acq: 27 Jun 2019 09:44

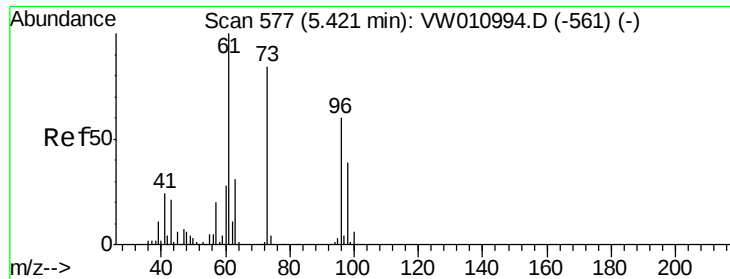
Tgt Ion: 43 Resp: 73528
Ion Ratio Lower Upper
43 100
74 19.2 15.3 22.9



#16
Methylene chloride
Concen: 24.414 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011012.D
Acq: 27 Jun 2019 09:44

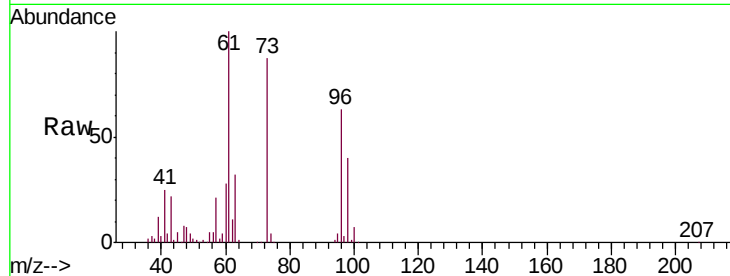
Tgt Ion: 84 Resp: 127233
Ion Ratio Lower Upper
84 100
49 156.5 107.0 198.8
86 65.0 44.4 82.5



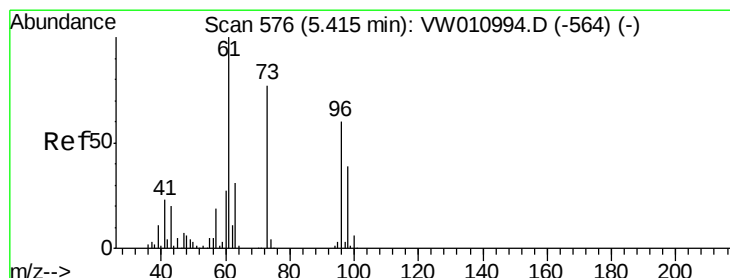
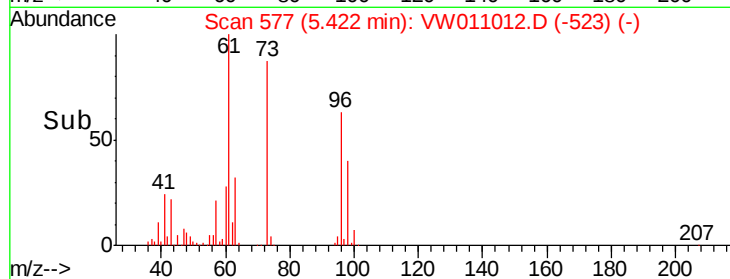
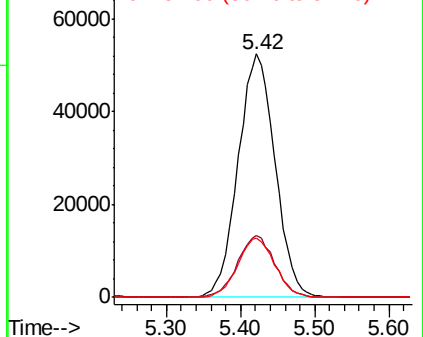


#17
Methyl tert-butyl Ether
Concen: 23.680 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011012.D
Acq: 27 Jun 2019 09:44

Tgt Ion	Ratio	Lower	Upper
73	100		
43	25.3	20.2	30.2
57	24.5	19.4	29.0

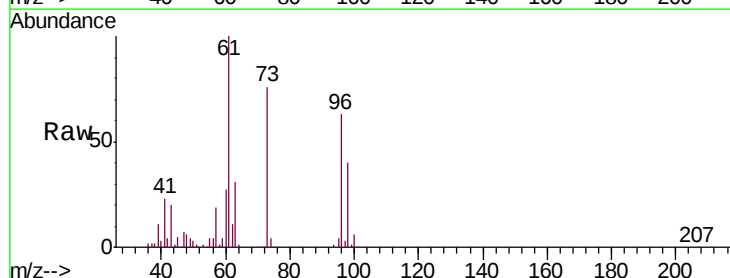


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

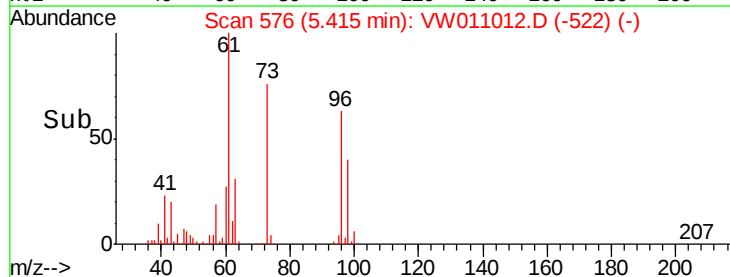
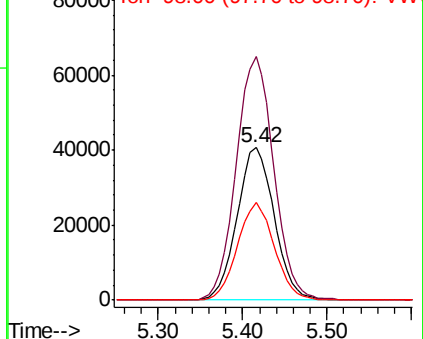


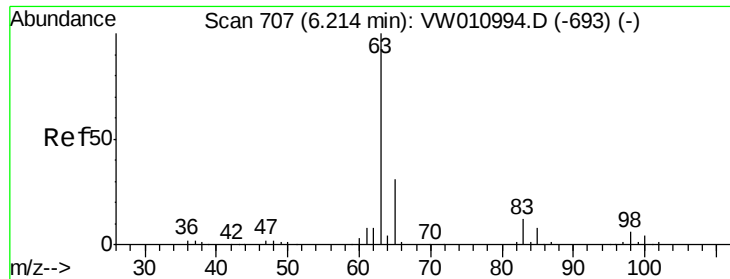
#18
trans-1,2-Dichloroethene
Concen: 24.652 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW011012.D
Acq: 27 Jun 2019 09:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.0	113.3	210.3
98	64.3	44.1	81.9



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





#19

1,1-Dichloroethane

Concen: 24.535 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW011012.D

Acq: 27 Jun 2019 09:44

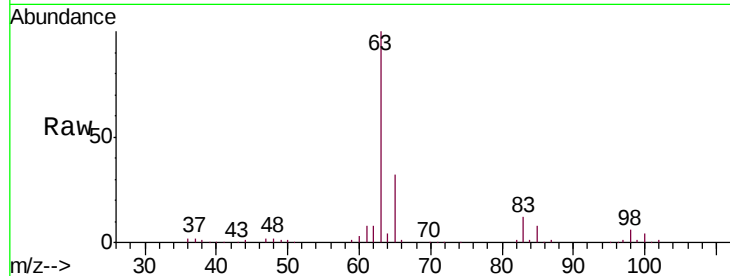
Tgt Ion: 63 Resp: 248198

Ion Ratio Lower Upper

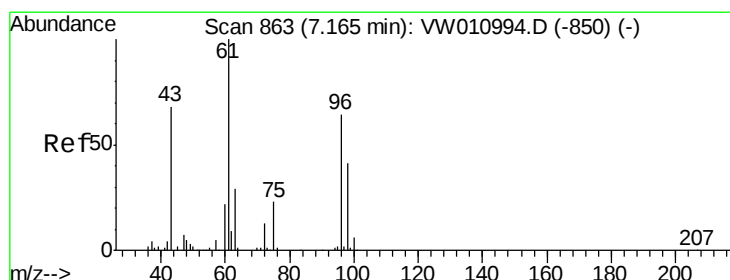
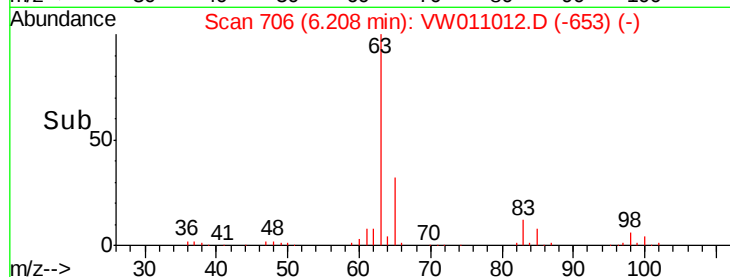
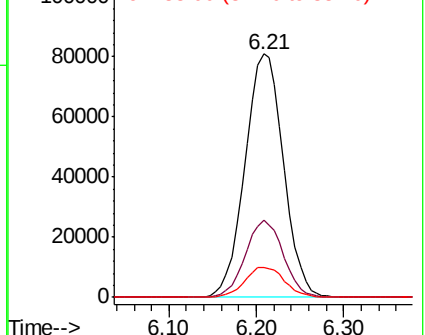
63 100

65 31.7 21.3 39.6

83 12.3 8.5 15.9



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



#21

2-Butanone

Concen: 43.525 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011012.D

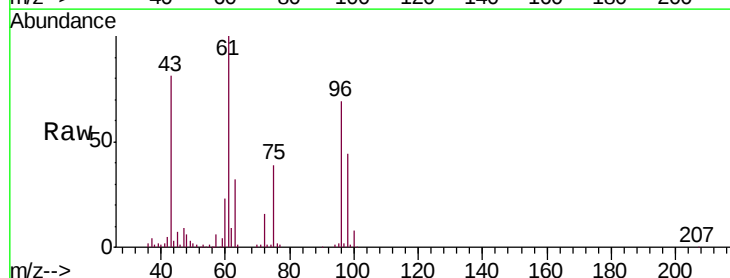
Acq: 27 Jun 2019 09:44

Tgt Ion: 43 Resp: 117410

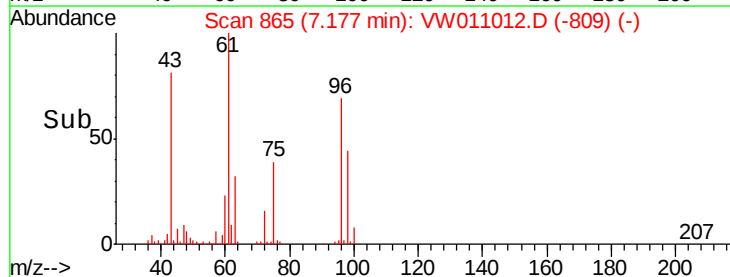
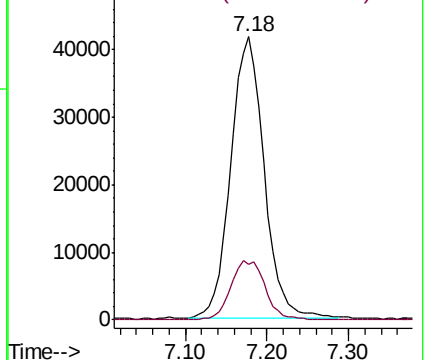
Ion Ratio Lower Upper

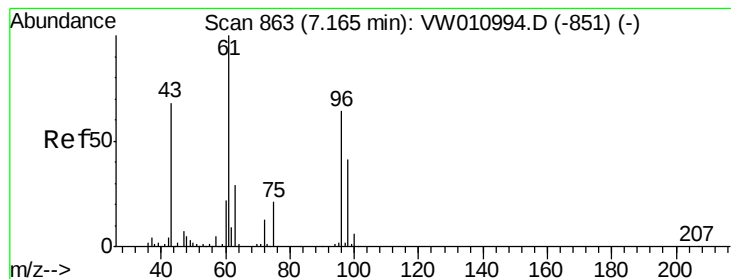
43 100

72 21.8 10.9 32.6



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

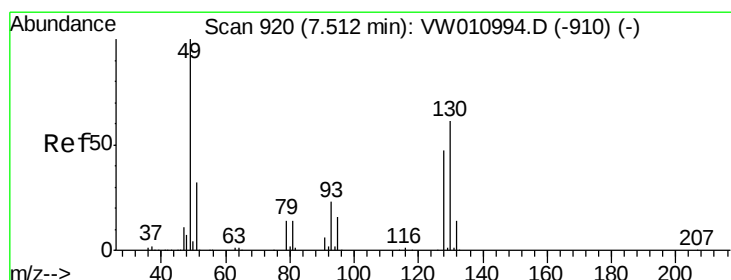
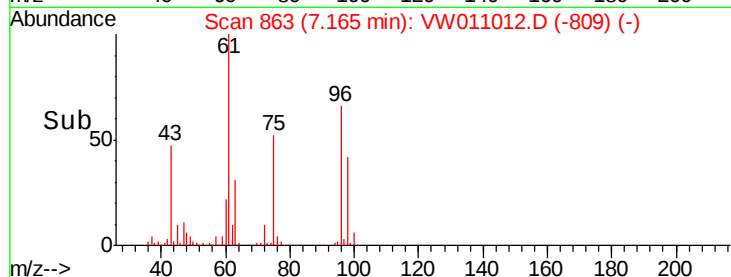
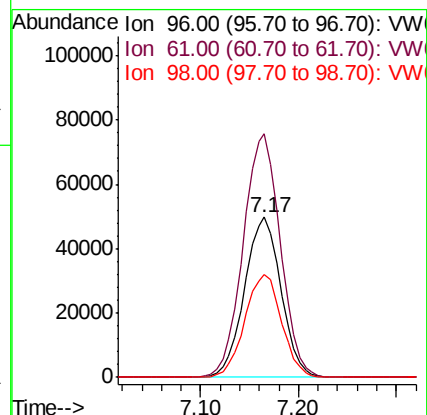
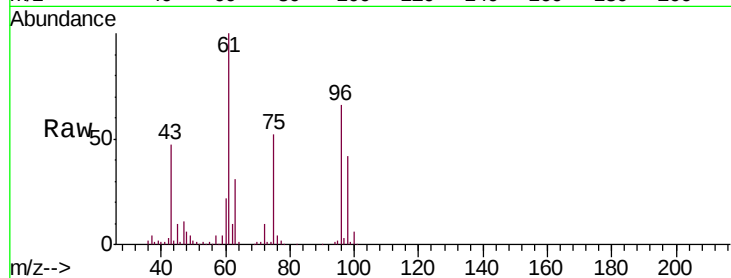




#22

cis-1,2-Dichloroethene
Concen: 24.292 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011012.D
Acq: 27 Jun 2019 09:44

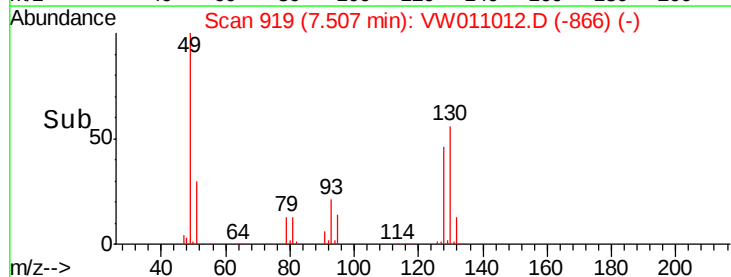
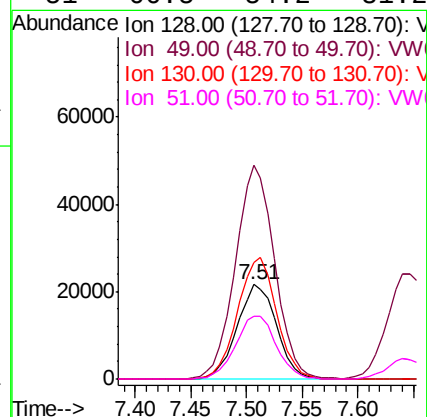
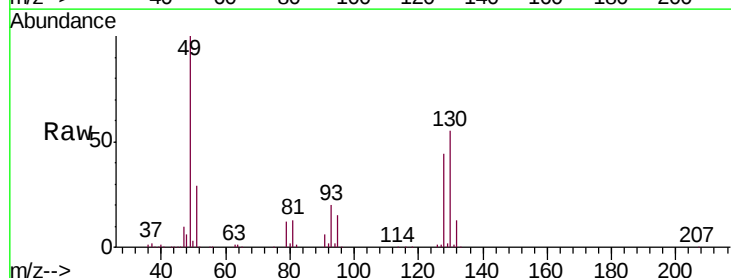
Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.2	106.5	197.7
98	64.5	45.5	84.5

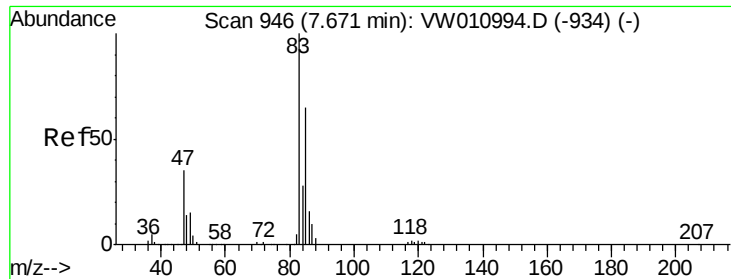


#23

Bromochloromethane
Concen: 23.503 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW011012.D
Acq: 27 Jun 2019 09:44

Tgt Ion	Ratio	Lower	Upper
128	100		
49	225.8	157.7	292.9
130	123.5	91.6	170.0
51	66.5	54.2	81.2





#25

Chloroform

Concen: 24.512 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW011012.D

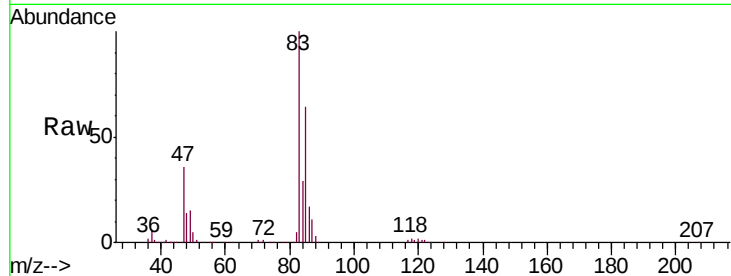
Acq: 27 Jun 2019 09:44

Tgt Ion: 83 Resp: 227506

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.67

100000

80000

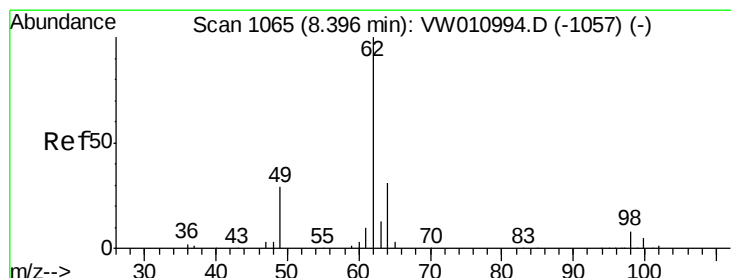
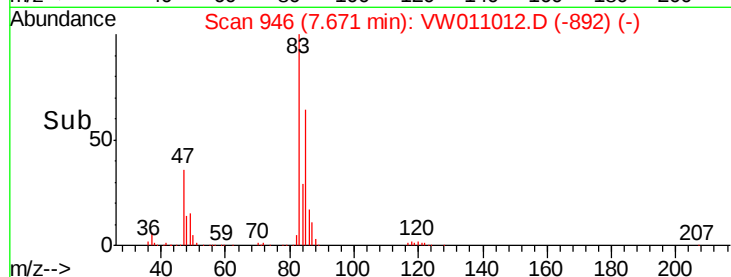
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane

Concen: 23.419 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011012.D

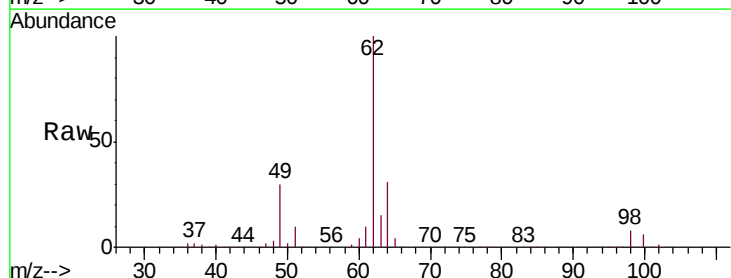
Acq: 27 Jun 2019 09:44

Tgt Ion: 62 Resp: 170322

Ion Ratio Lower Upper

62 100

98 8.3 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

80000

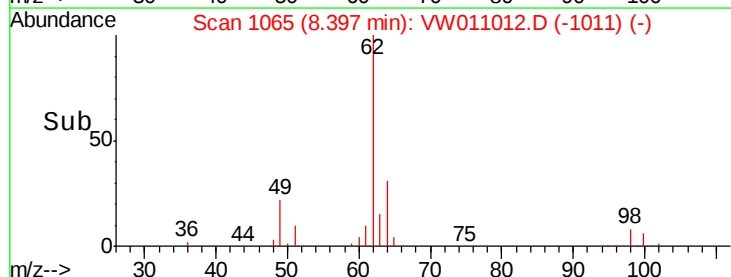
60000

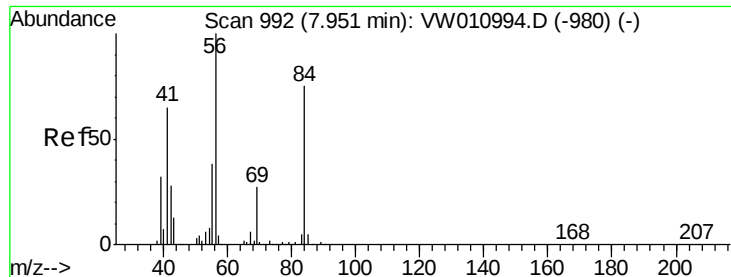
40000

20000

0

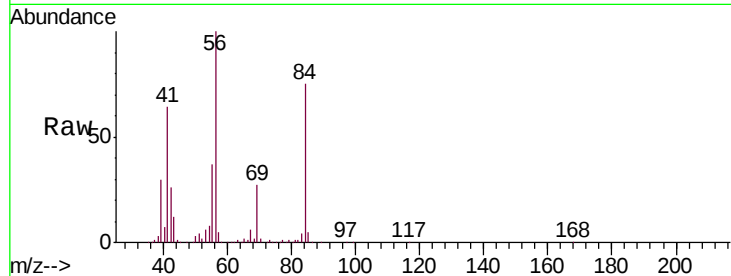
Time-->



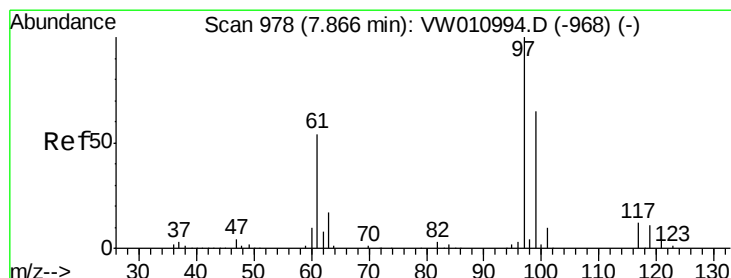
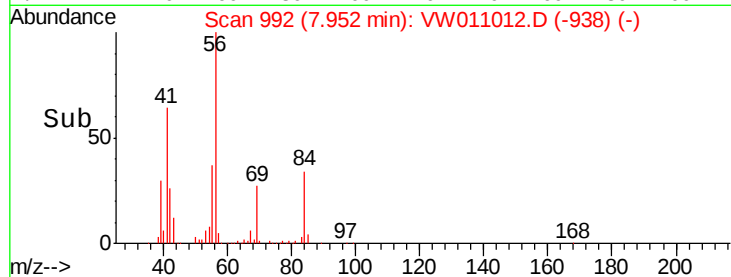
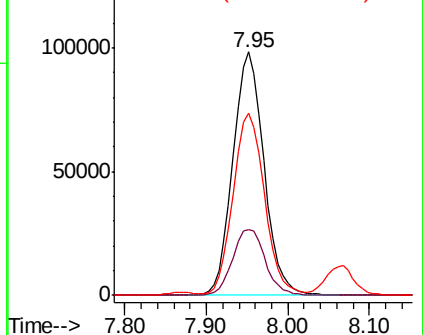


#30
Cyclohexane
Concen: 24.771 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011012.D
Acq: 27 Jun 2019 09:44

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.4	22.2	33.4
84	76.0	60.3	90.5

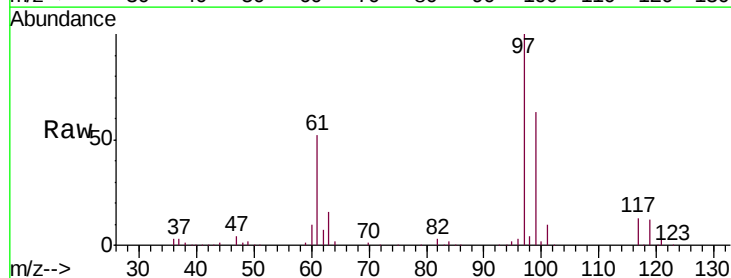


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

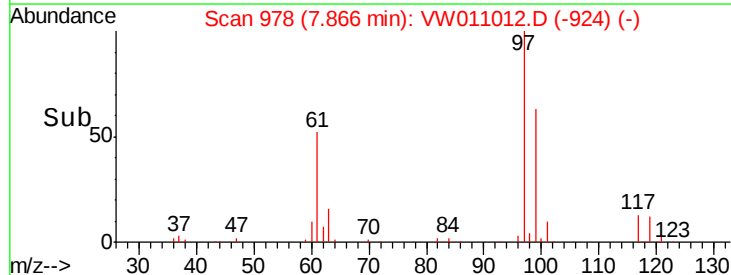
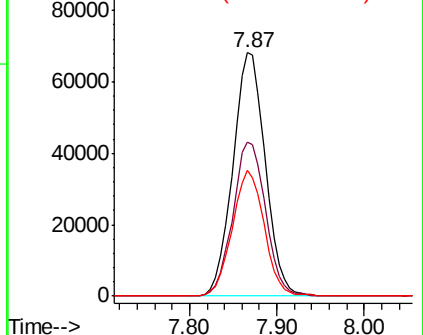


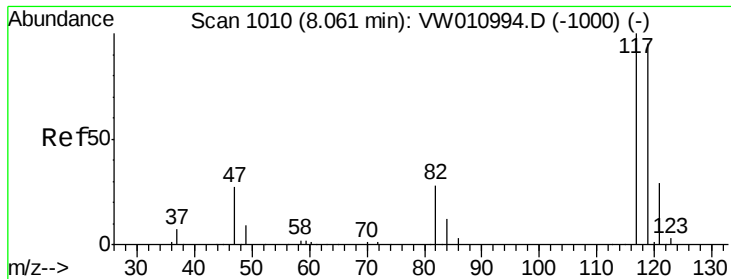
#31
1,1,1-Trichloroethane
Concen: 25.555 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW011012.D
Acq: 27 Jun 2019 09:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.7	76.1
61	50.9	41.2	61.8



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: 25.454 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW011012.D

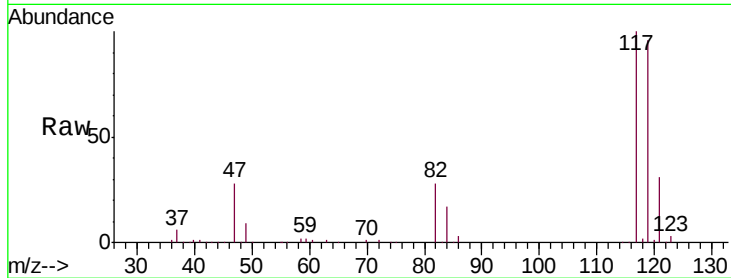
Acq: 27 Jun 2019 09:44

Tgt Ion: 117 Resp: 165194

Ion Ratio Lower Upper

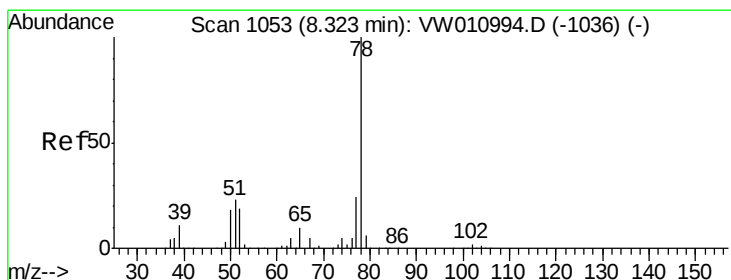
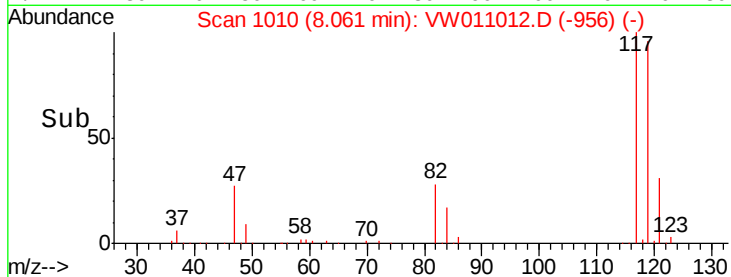
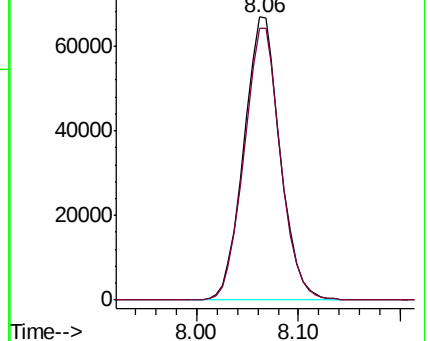
117 100

119 96.7 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.834 ug/L

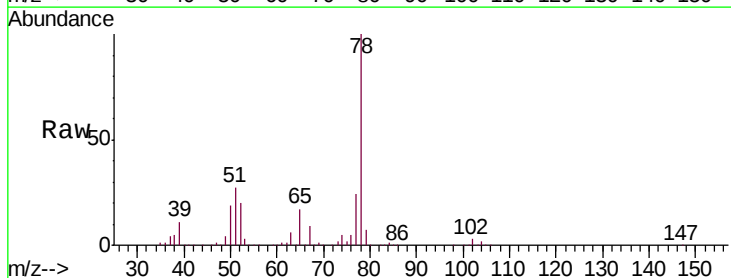
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

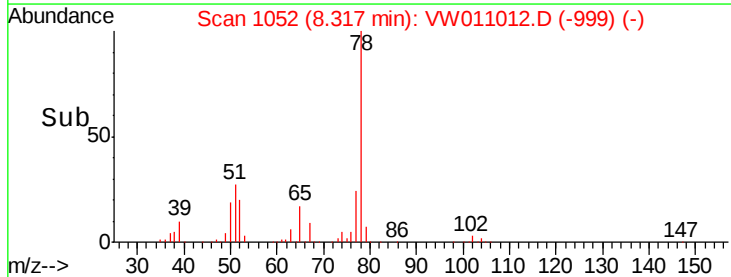
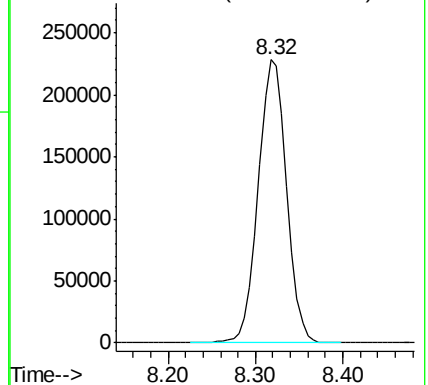
Lab File: VW011012.D

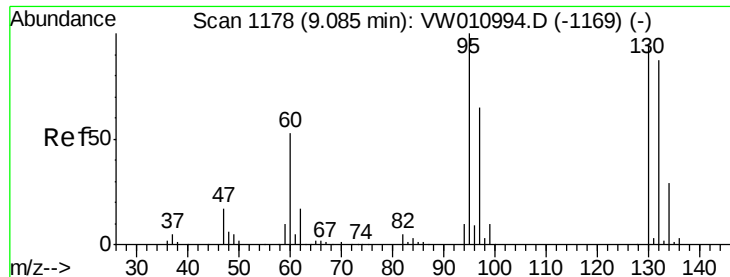
Acq: 27 Jun 2019 09:44

Tgt Ion: 78 Resp: 515545



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.663 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW011012.D

Acq: 27 Jun 2019 09:44

Tgt Ion: 95 Resp: 129841

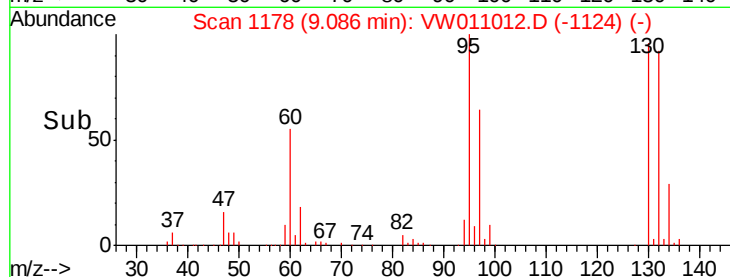
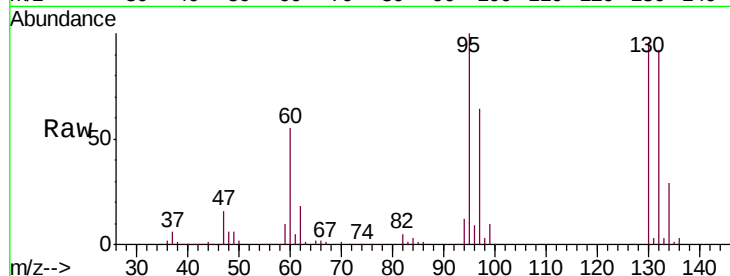
Ion Ratio Lower Upper

95 100

97 63.8 44.9 83.3

132 91.4 64.0 119.0

130 95.6 67.4 125.2

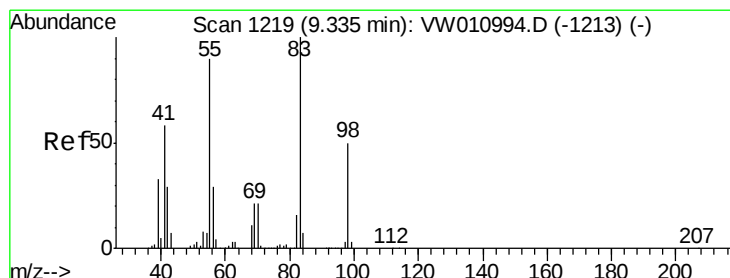
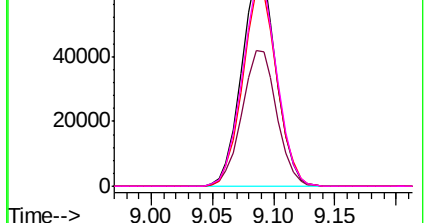


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 25.478 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW011012.D

Acq: 27 Jun 2019 09:44

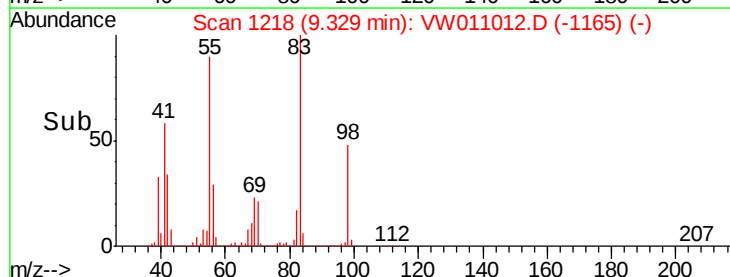
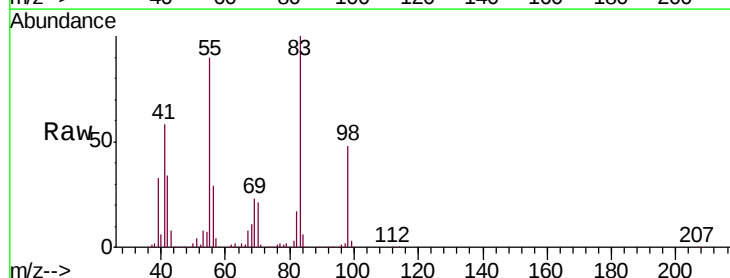
Tgt Ion: 83 Resp: 246195

Ion Ratio Lower Upper

83 100

55 88.5 72.2 108.2

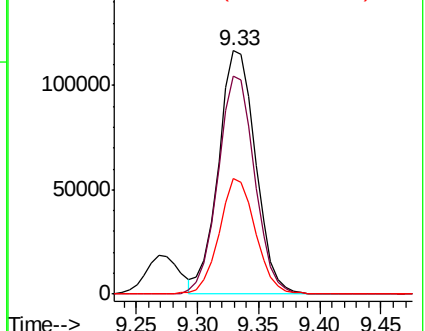
98 46.3 37.8 56.8

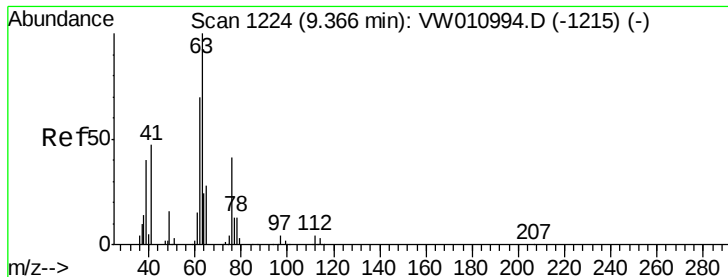


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.282 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011012.D

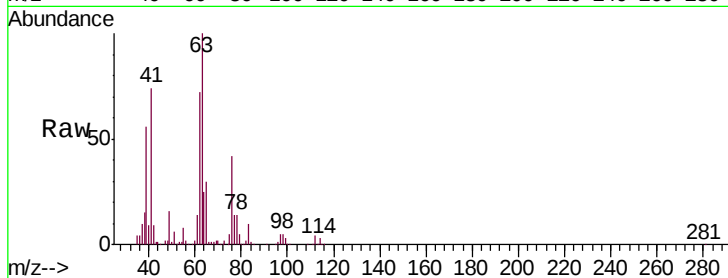
Acq: 27 Jun 2019 09:44

Tgt Ion: 63 Resp: 138743

Ion Ratio Lower Upper

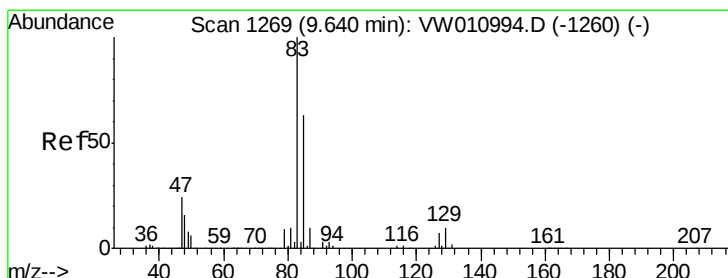
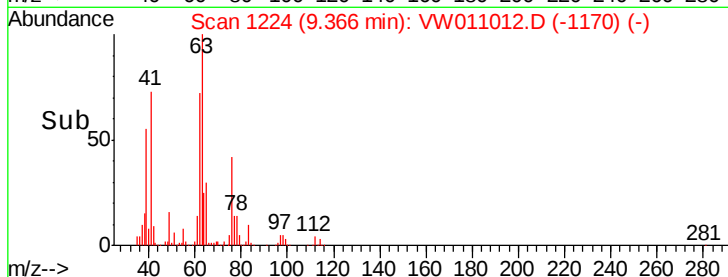
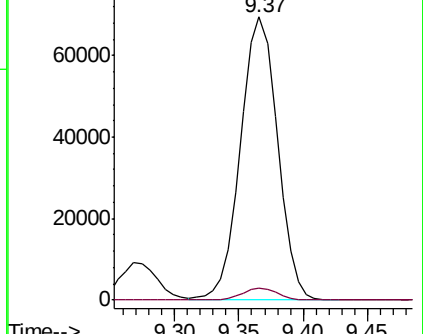
63 100

112 4.0 3.3 4.9



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.053 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011012.D

Acq: 27 Jun 2019 09:44

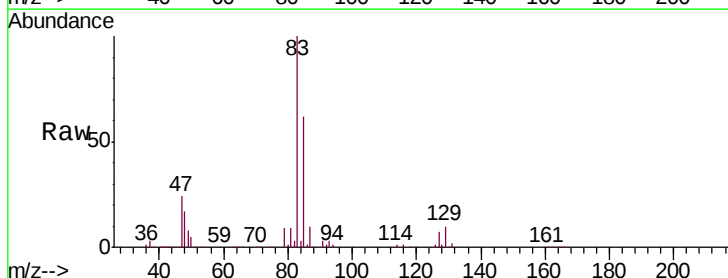
Tgt Ion: 83 Resp: 161287

Ion Ratio Lower Upper

83 100

85 62.4 43.1 80.1

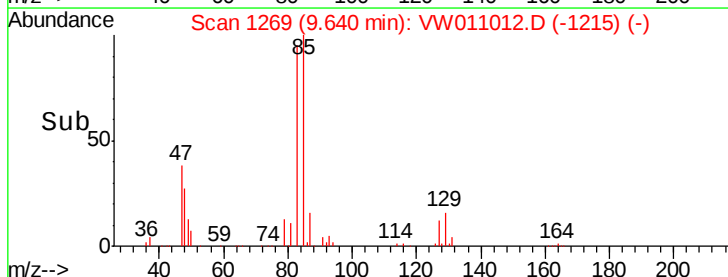
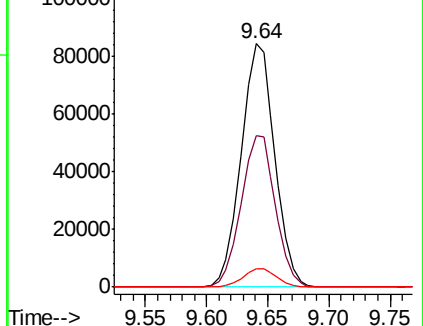
127 7.5 6.0 9.0

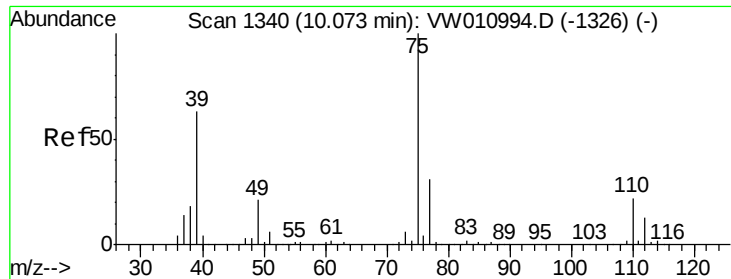


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

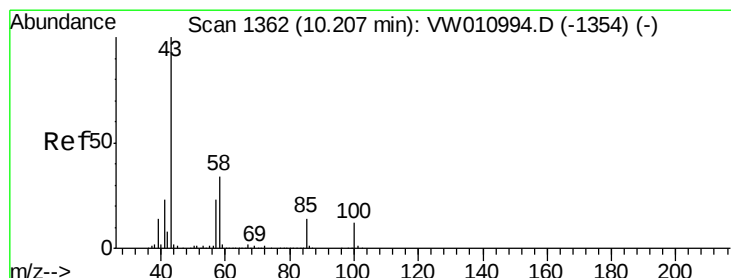
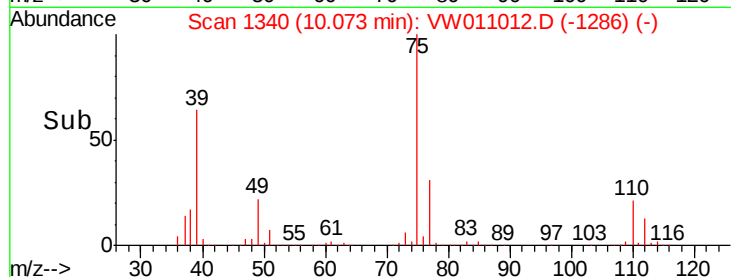
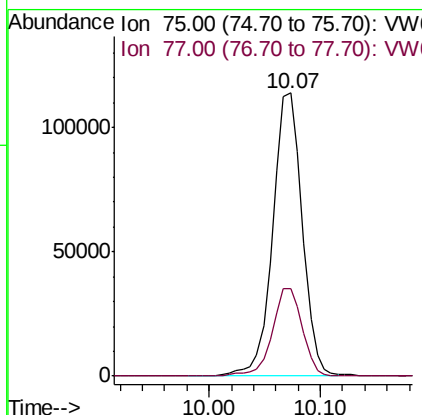
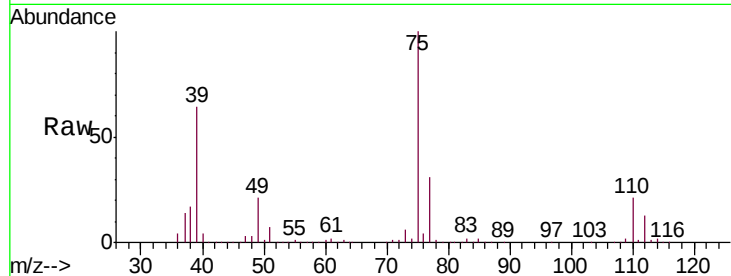
Ion 127.00 (126.70 to 127.70): V





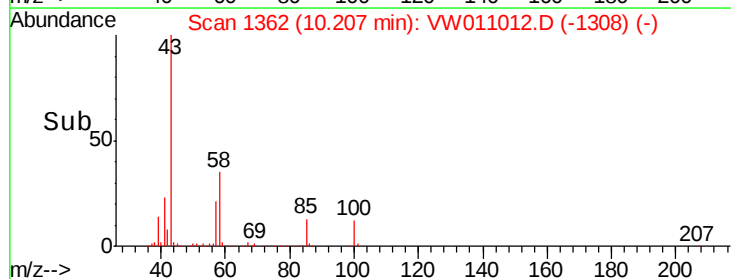
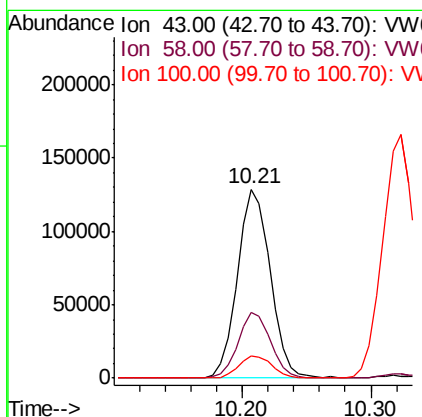
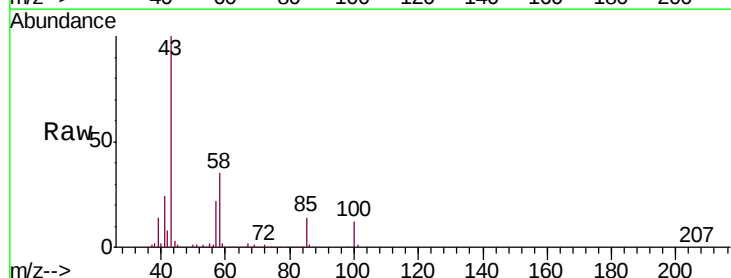
#42
 cis-1,3-Dichloropropene
 Concen: 23.898 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW011012.D
 Acq: 27 Jun 2019 09:44

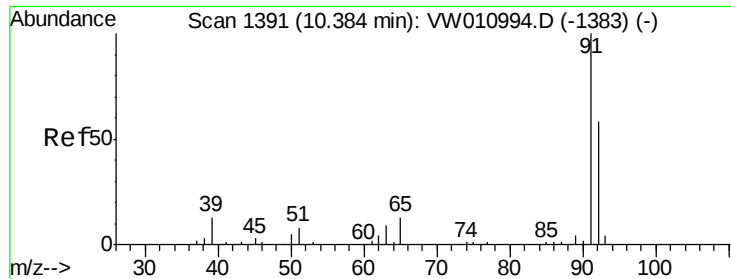
Tgt Ion: 75 Resp: 210060
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.3 39.6



#43
 4-Methyl-2-pentanone
 Concen: 42.618 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW011012.D
 Acq: 27 Jun 2019 09:44

Tgt Ion: 43 Resp: 225980
 Ion Ratio Lower Upper
 43 100
 58 34.8 27.5 41.3
 100 11.9 9.6 14.4





#44

Toluene

Concen: 24.663 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011012.D

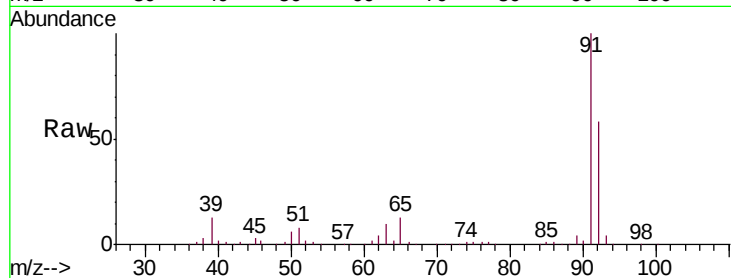
Acq: 27 Jun 2019 09:44

Tgt Ion: 91 Resp: 535377

Ion Ratio Lower Upper

91 100

92 58.3 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

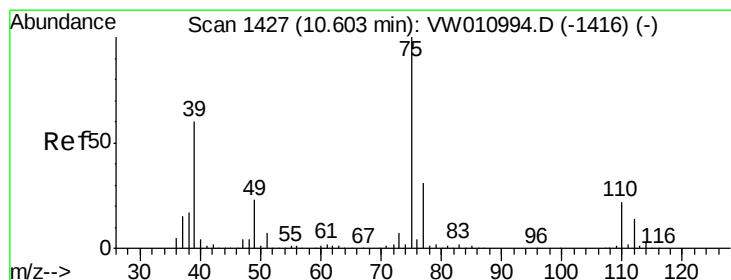
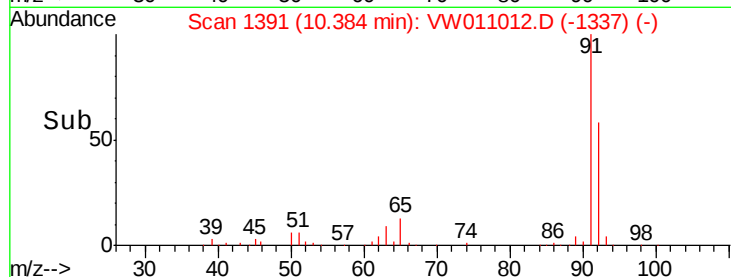
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 23.524 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011012.D

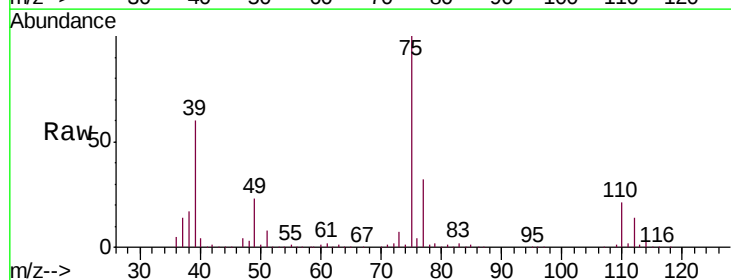
Acq: 27 Jun 2019 09:44

Tgt Ion: 75 Resp: 170928

Ion Ratio Lower Upper

75 100

77 31.6 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

120000

100000

80000

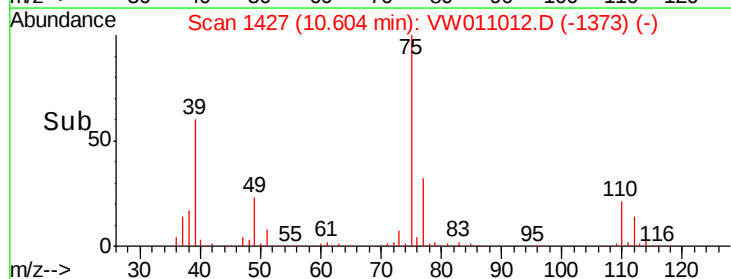
60000

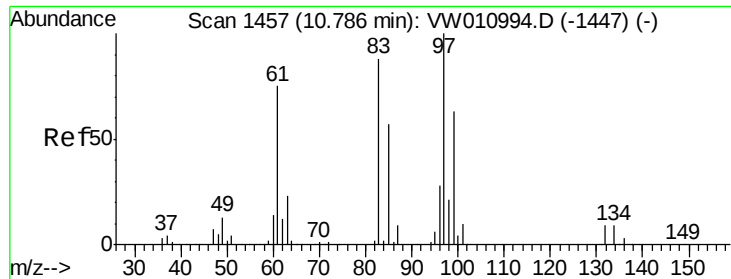
40000

20000

0

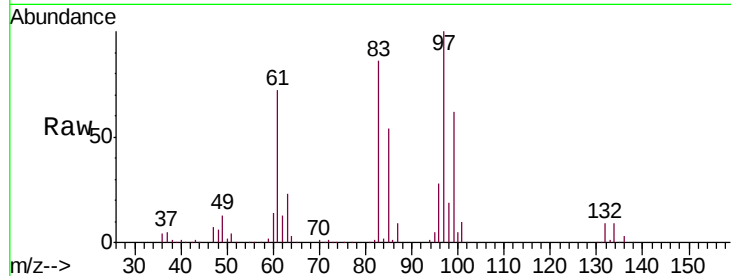
Time-->





#46
1,1,2-Trichloroethane
Concen: 23.301 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW011012.D
Acq: 27 Jun 2019 09:44

Tgt Ion:	97	Resp:	91247
Ion	Ratio	Lower	Upper
97	100		
83	86.2	61.8	114.8
85	54.4	38.6	71.6
99	62.2	43.3	80.3



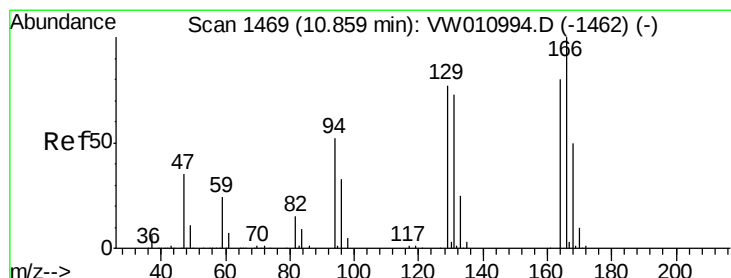
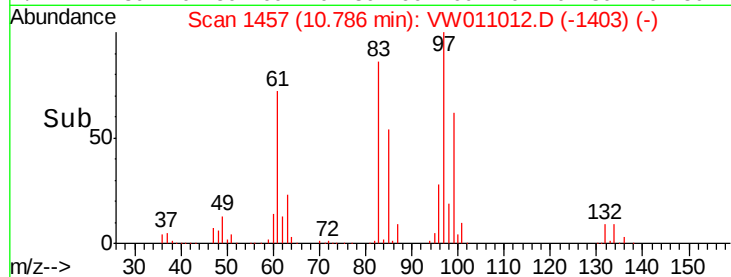
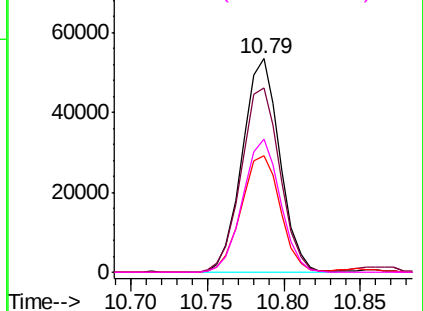
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

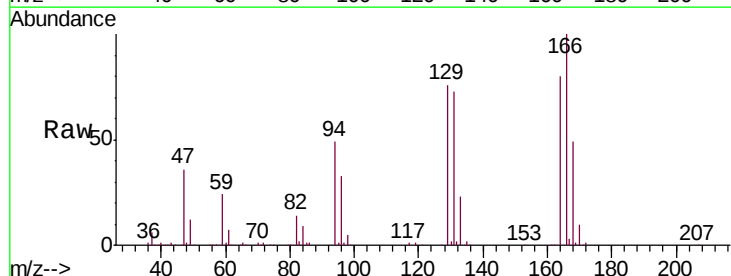
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
Tetrachloroethene
Concen: 24.429 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011012.D
Acq: 27 Jun 2019 09:44

Tgt Ion:	164	Resp:	97535
Ion	Ratio	Lower	Upper
164	100		
129	95.0	69.6	129.2
131	92.1	66.8	124.0
166	125.7	91.2	169.4



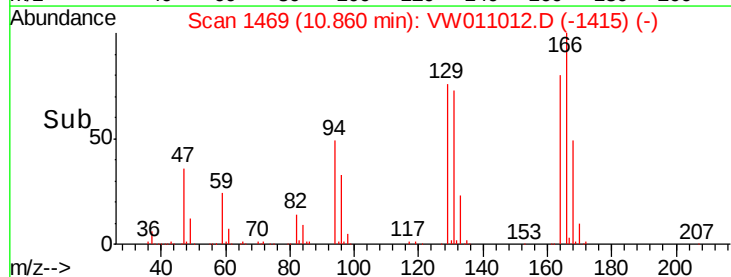
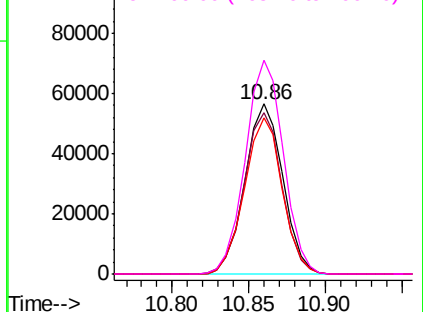
Abundance

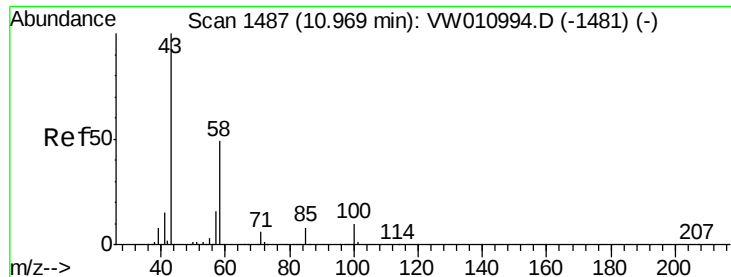
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

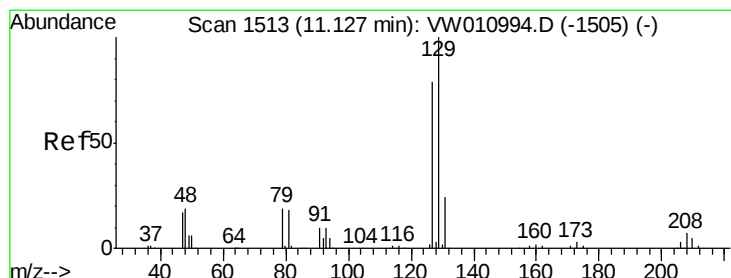
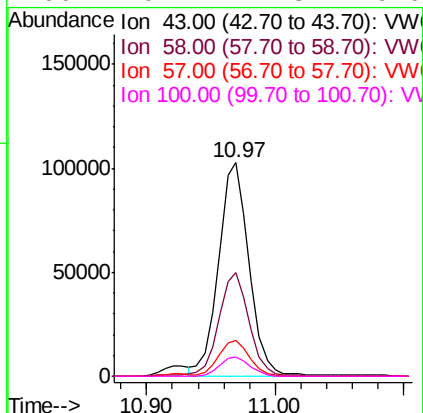
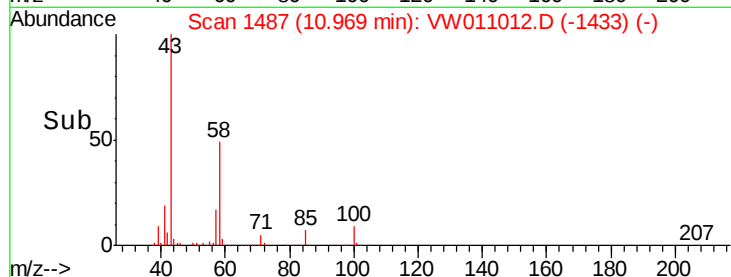
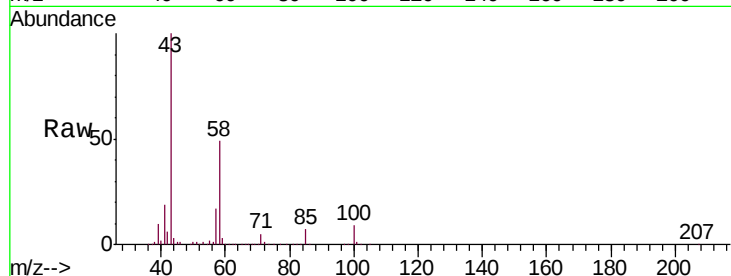
Ion 166.00 (165.70 to 166.70): V





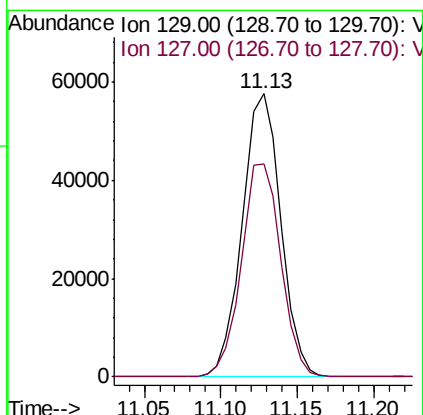
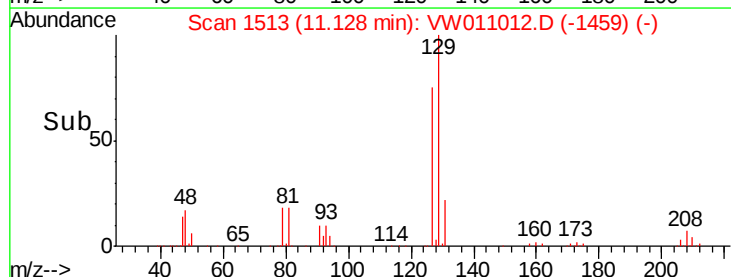
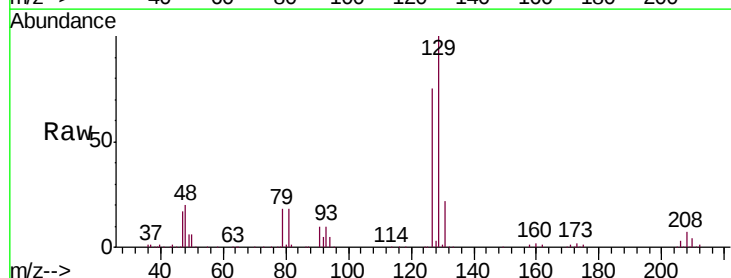
#49
2-Hexanone
Concen: 45.187 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011012.D
Acq: 27 Jun 2019 09:44

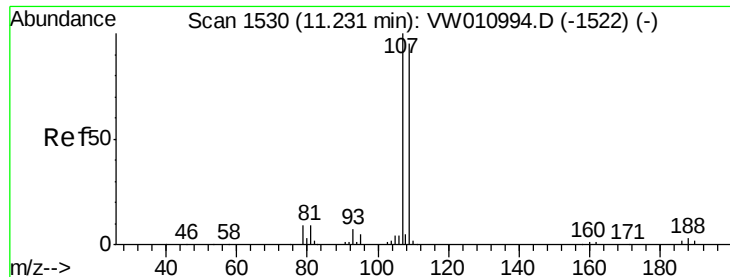
Tgt Ion:	43	Resp:	170462
Ion	Ratio	Lower	Upper
43	100		
58	48.9	38.3	57.5
57	17.1	13.8	20.8
100	9.1	7.3	10.9



#50
Dibromochloromethane
Concen: 23.470 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011012.D
Acq: 27 Jun 2019 09:44

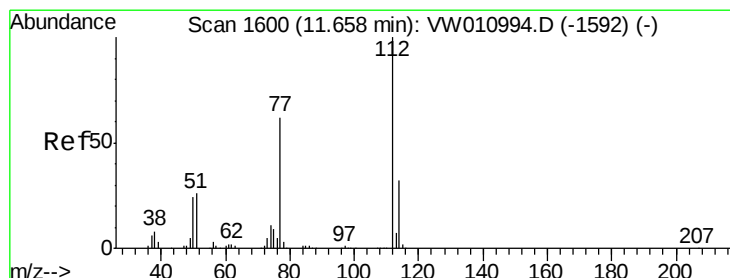
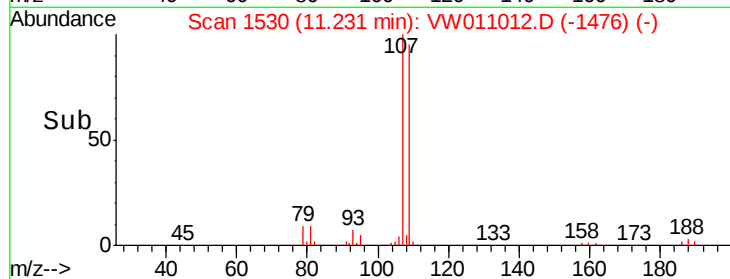
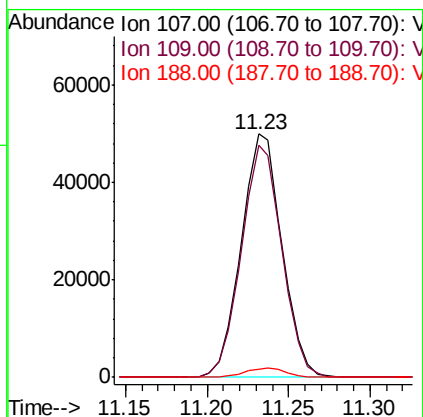
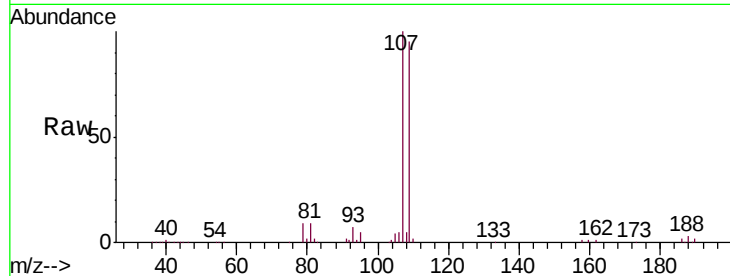
Tgt Ion:	129	Resp:	101199
Ion	Ratio	Lower	Upper
129	100		
127	75.1	52.8	98.2





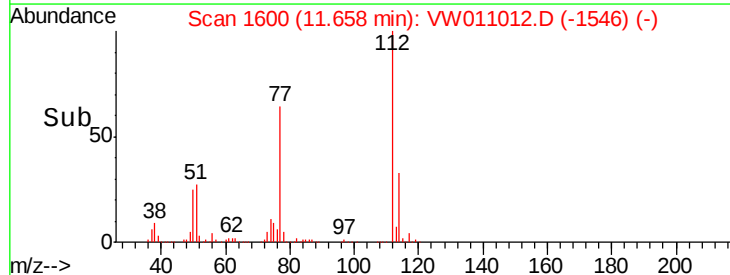
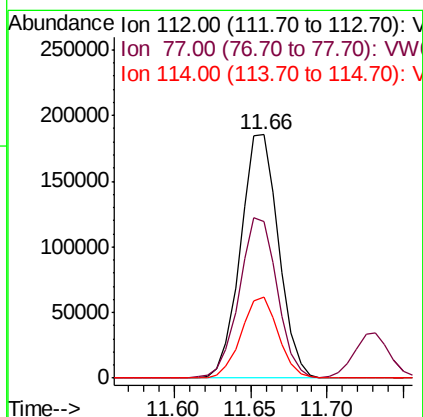
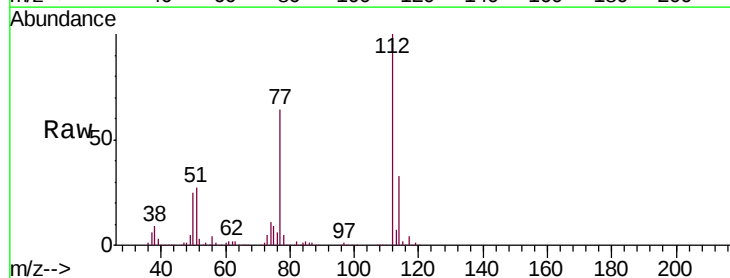
#51
 1,2-Dibromoethane
 Concen: 22.981 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011012.D
 Acq: 27 Jun 2019 09:44

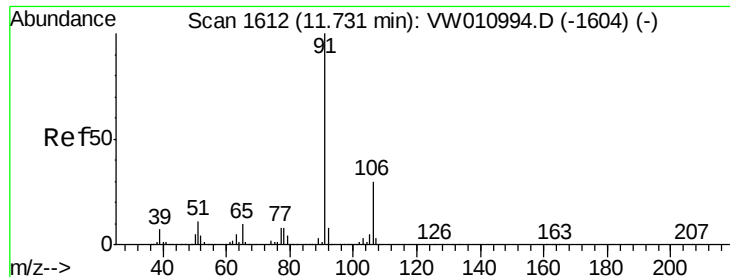
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.2	65.5	121.7
188	3.5	3.3	4.9



#52
 Chlorobenzene
 Concen: 24.534 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW011012.D
 Acq: 27 Jun 2019 09:44

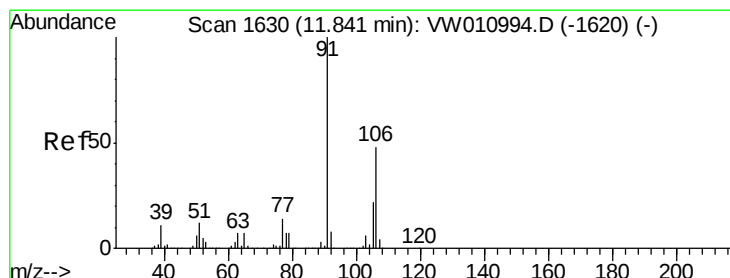
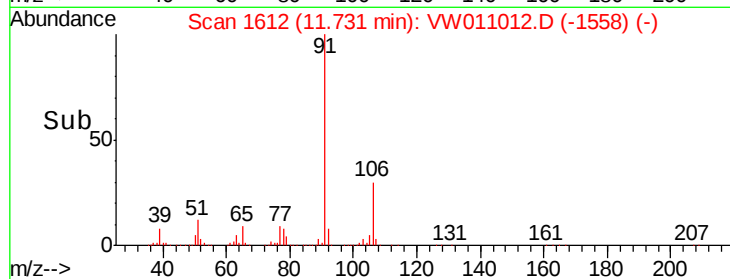
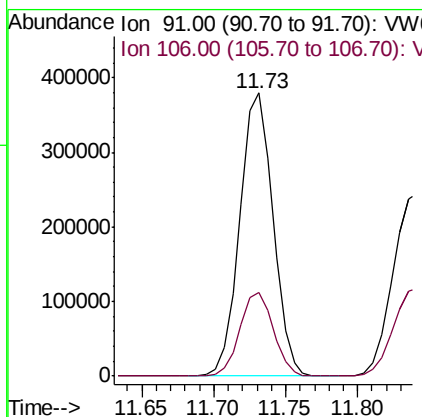
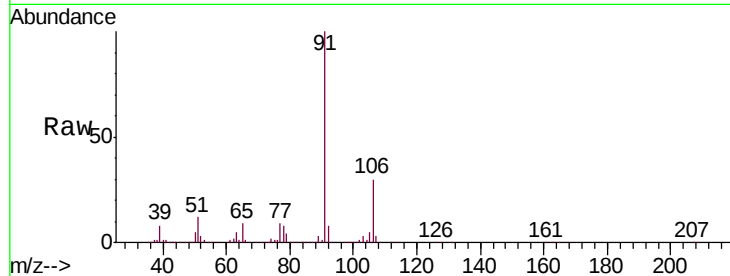
Tgt Ion	Ratio	Lower	Upper
112	100		
77	64.2	51.1	76.7
114	33.1	22.7	42.1





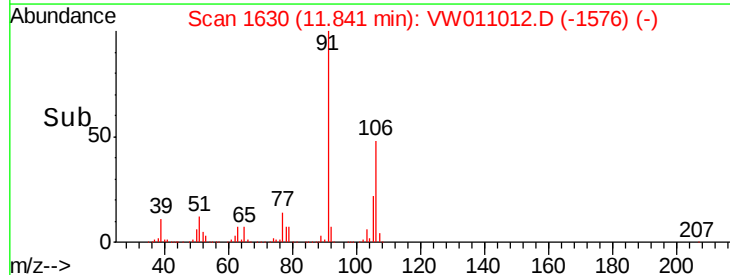
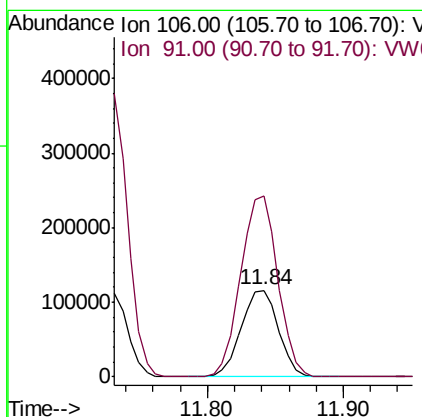
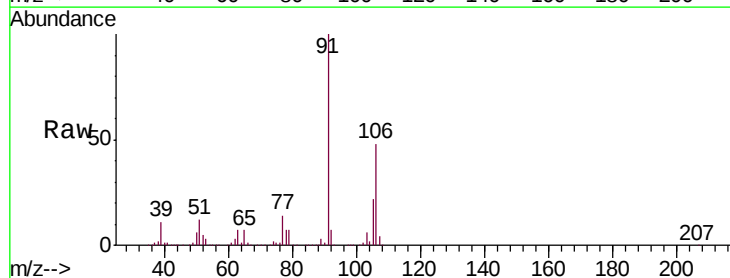
#53
Ethylbenzene
Concen: 24.824 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011012.D
Acq: 27 Jun 2019 09:44

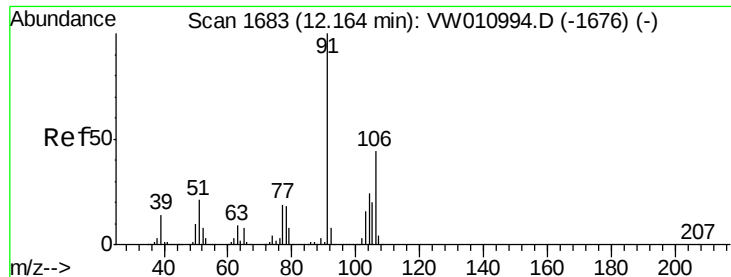
Tgt Ion: 91 Resp: 607111
Ion Ratio Lower Upper
91 100
106 29.7 20.9 38.7



#54
m,p-Xylene
Concen: 25.042 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011012.D
Acq: 27 Jun 2019 09:44

Tgt Ion: 106 Resp: 222242
Ion Ratio Lower Upper
106 100
91 209.0 146.5 272.1





#55

o-xylene

Concen: 24.939 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW011012.D

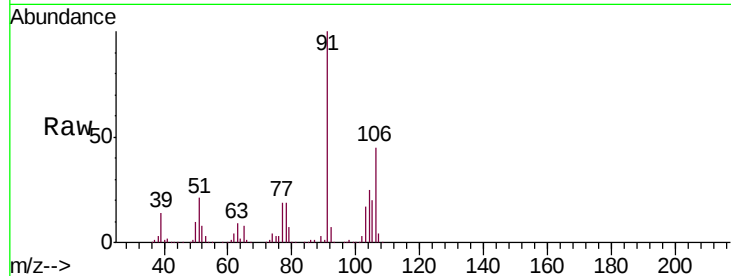
Acq: 27 Jun 2019 09:44

Tgt Ion:106 Resp: 212379

Ion Ratio Lower Upper

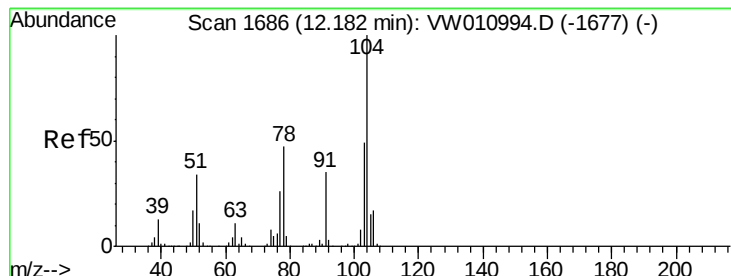
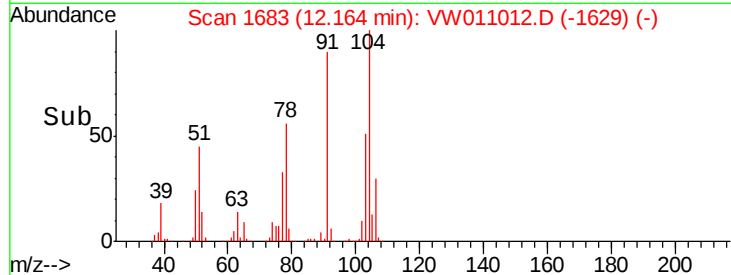
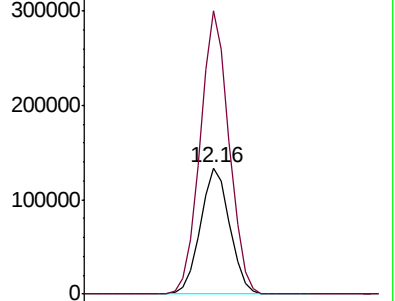
106 100

91 223.7 156.1 289.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.803 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW011012.D

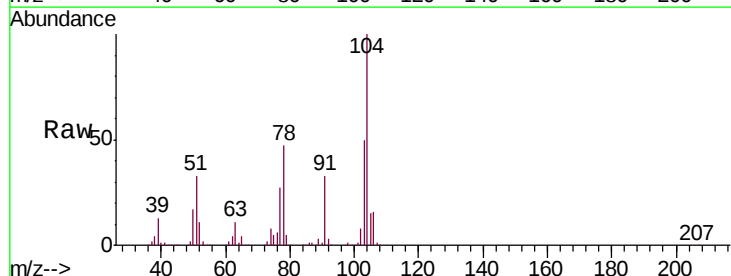
Acq: 27 Jun 2019 09:44

Tgt Ion:104 Resp: 364235

Ion Ratio Lower Upper

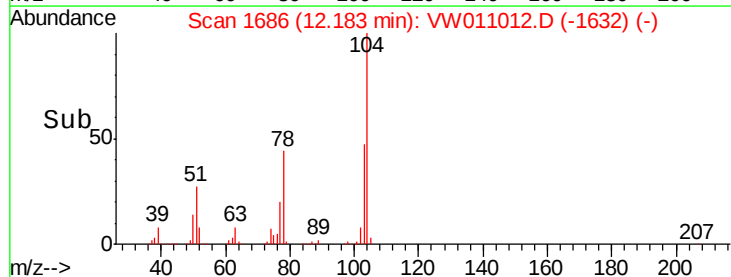
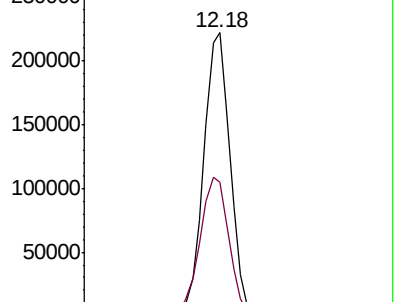
104 100

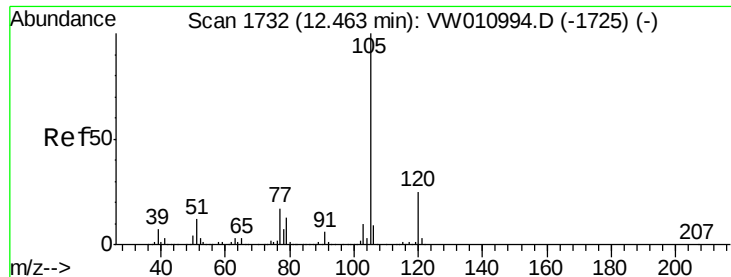
78 47.0 34.4 64.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.208 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011012.D

Acq: 27 Jun 2019 09:44

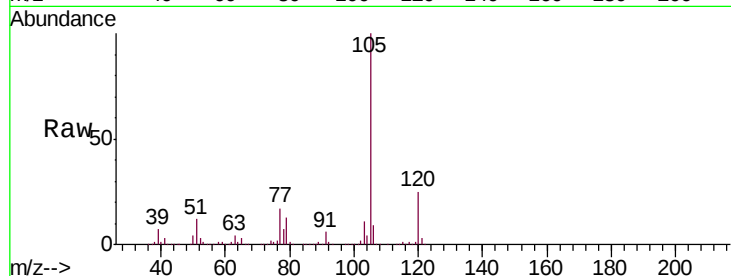
Tgt Ion: 105 Resp: 582394

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

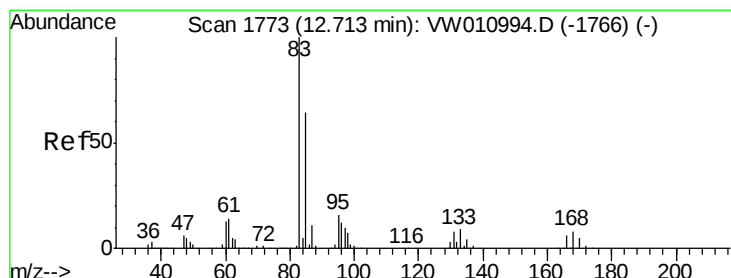
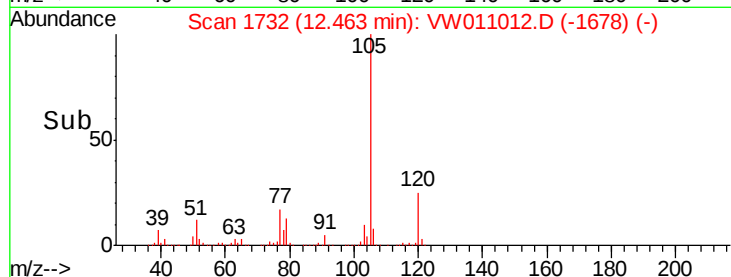
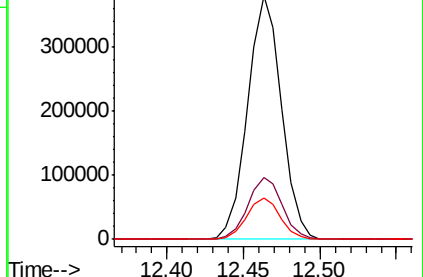
77 17.1 13.7 20.5



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: 22.838 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011012.D

Acq: 27 Jun 2019 09:44

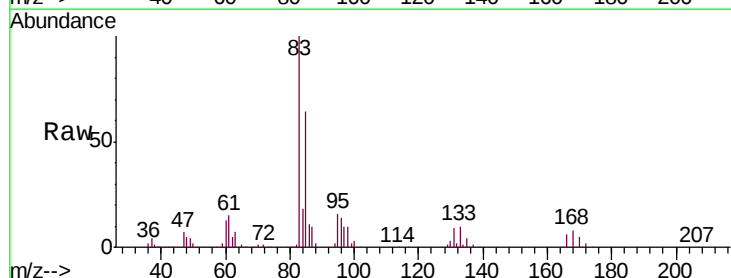
Tgt Ion: 83 Resp: 116937

Ion Ratio Lower Upper

83 100

85 64.1 44.0 81.6

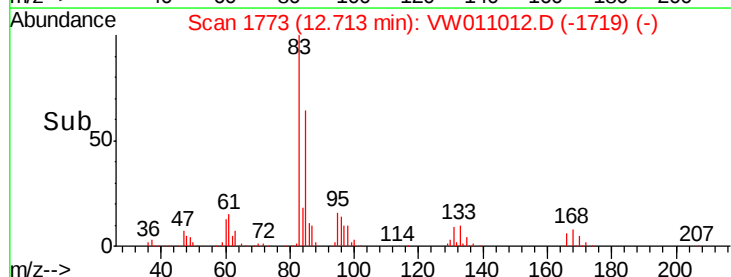
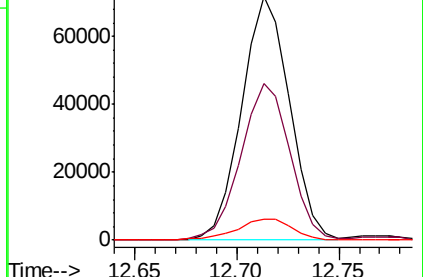
131 8.8 7.4 11.0

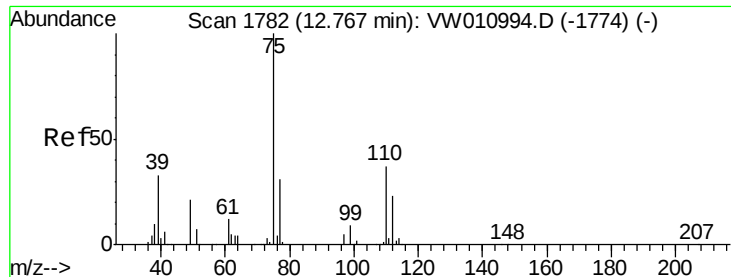


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 22.645 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011012.D

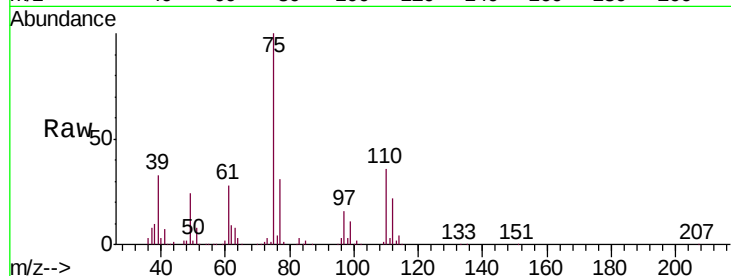
Acq: 27 Jun 2019 09:44

Tgt Ion: 75 Resp: 90025

Ion Ratio Lower Upper

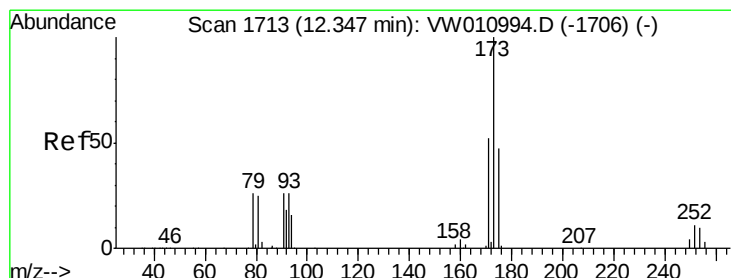
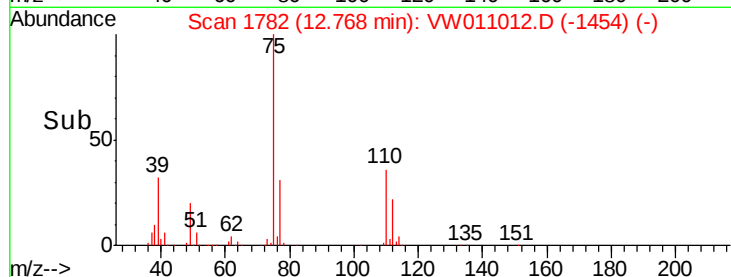
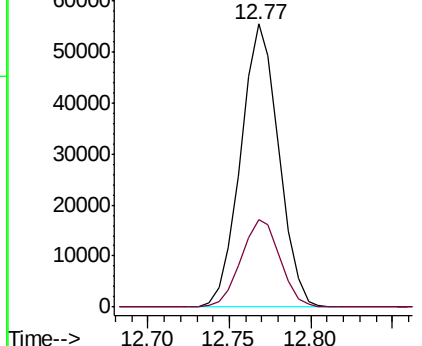
75 100

77 31.8 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 21.992 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011012.D

Acq: 27 Jun 2019 09:44

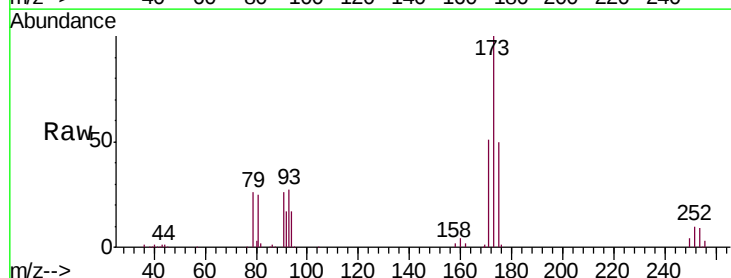
Tgt Ion: 173 Resp: 54881

Ion Ratio Lower Upper

173 100

175 49.4 40.1 60.1

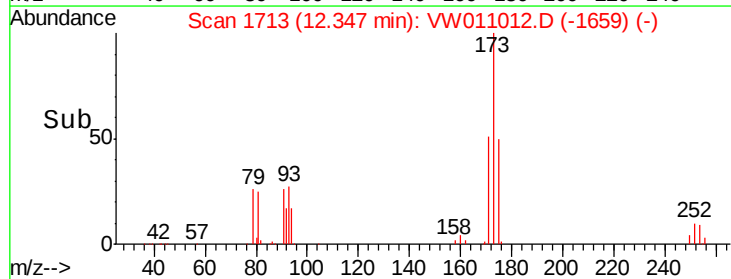
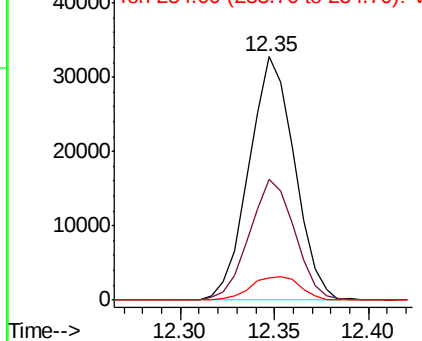
254 10.5 8.5 12.7

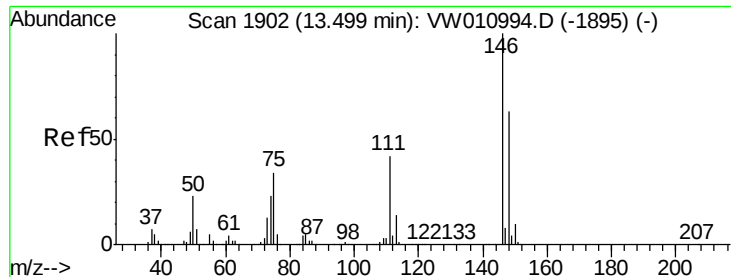


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

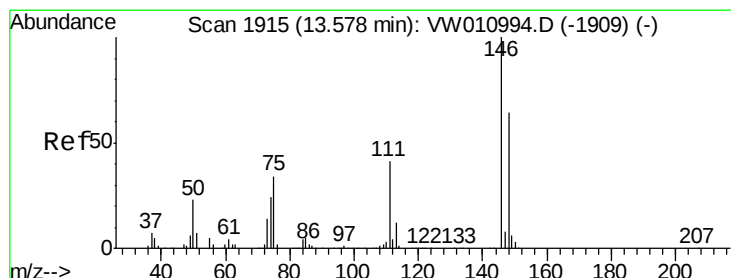
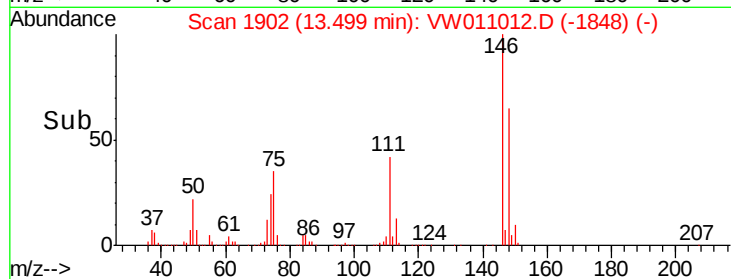
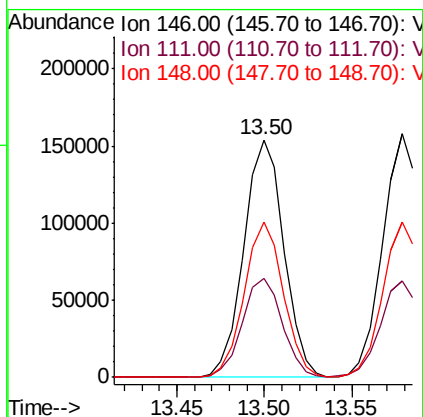
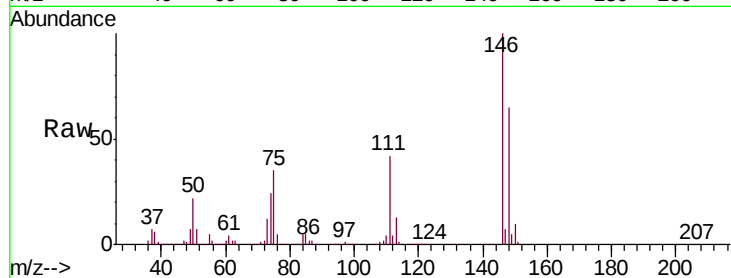
Ion 254.00 (253.70 to 254.70): V





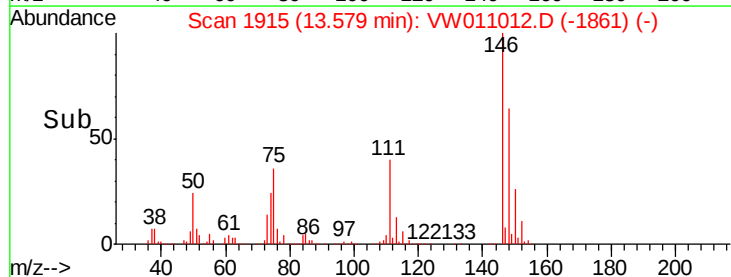
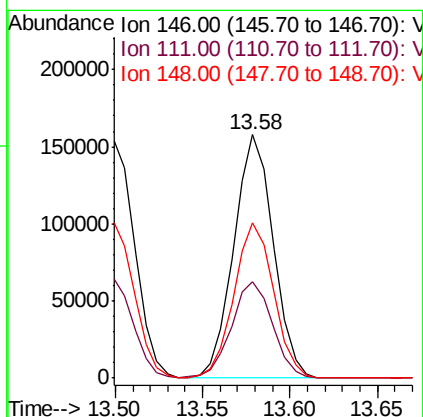
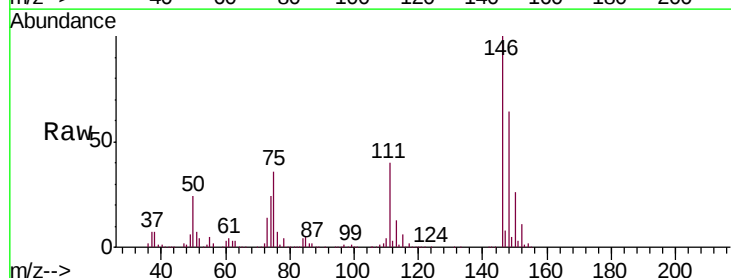
#63
 1,3-Dichlorobenzene
 Concen: 24.142 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011012.D
 Acq: 27 Jun 2019 09:44

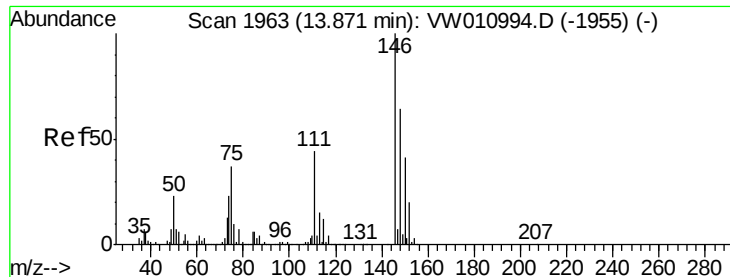
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	28.9	53.7
148	65.1	44.2	82.0



#64
 1,4-Dichlorobenzene
 Concen: 24.361 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011012.D
 Acq: 27 Jun 2019 09:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	27.9	51.9
148	64.0	46.0	85.4





#65

1,2-Dichlorobenzene

Concen: 23.983 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011012.D

Acq: 27 Jun 2019 09:44

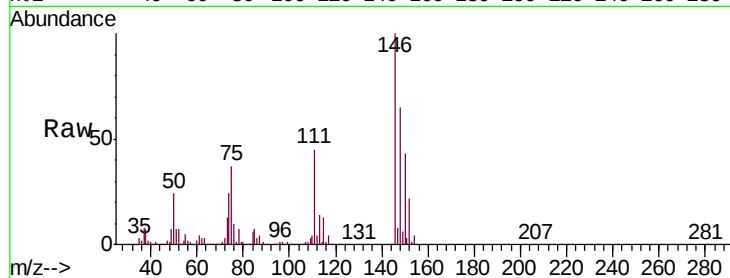
Tgt Ion: 146 Resp: 225152

Ion Ratio Lower Upper

146 100

111 45.1 34.6 51.8

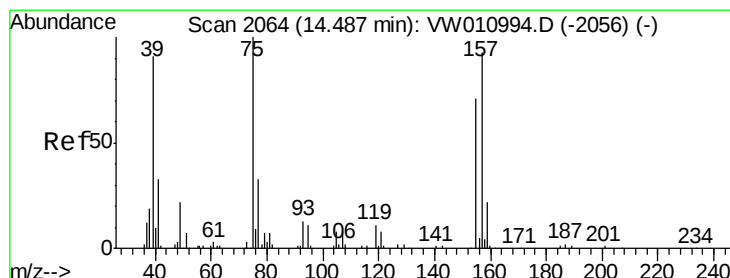
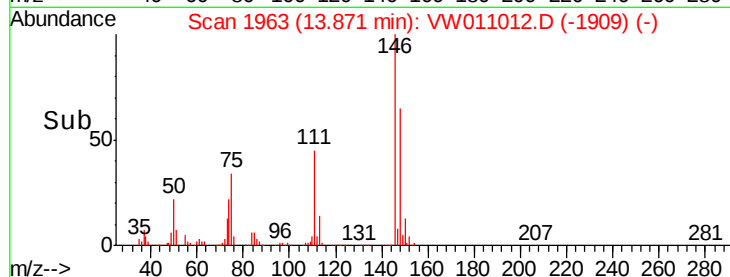
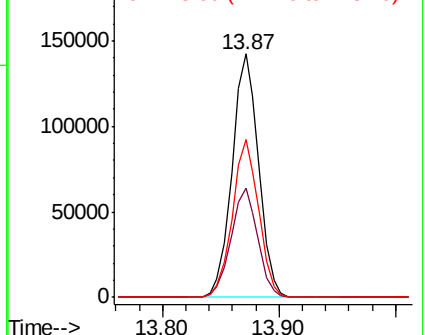
148 64.7 50.5 75.7



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: 20.245 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011012.D

Acq: 27 Jun 2019 09:44

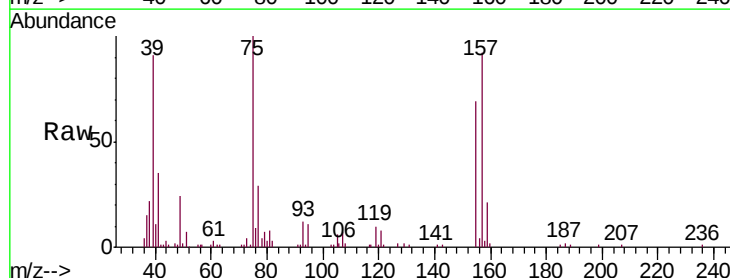
Tgt Ion: 75 Resp: 19447

Ion Ratio Lower Upper

75 100

157 92.1 71.8 107.8

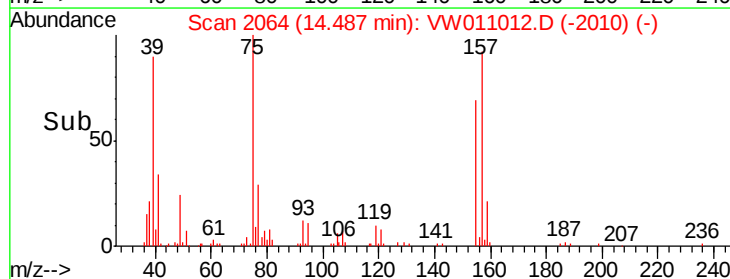
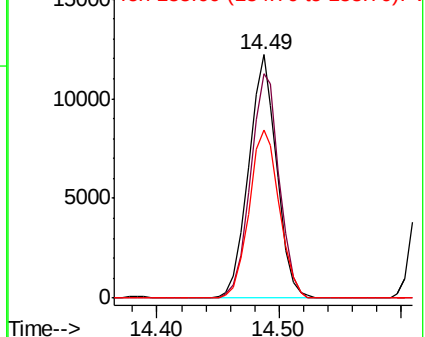
155 69.3 55.2 82.8

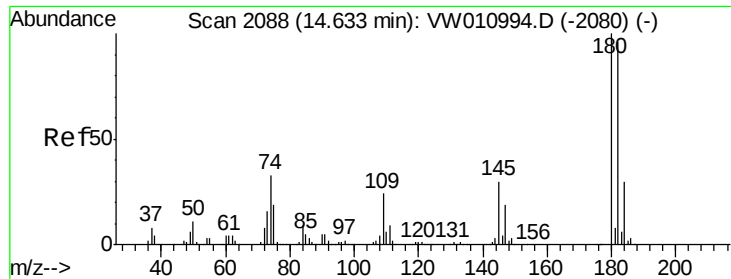


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

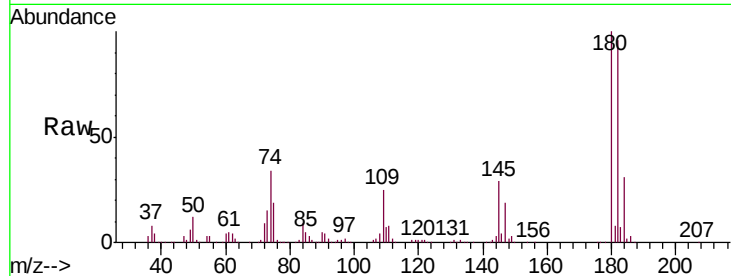
Ion 155.00 (154.70 to 155.70): V



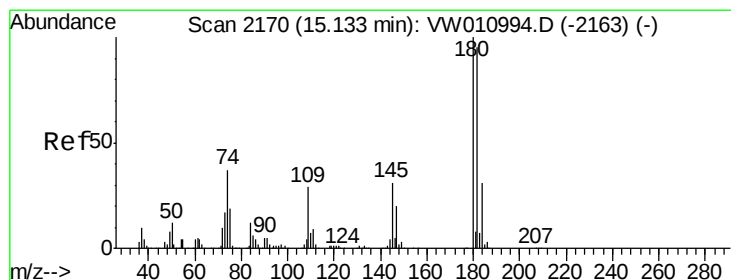
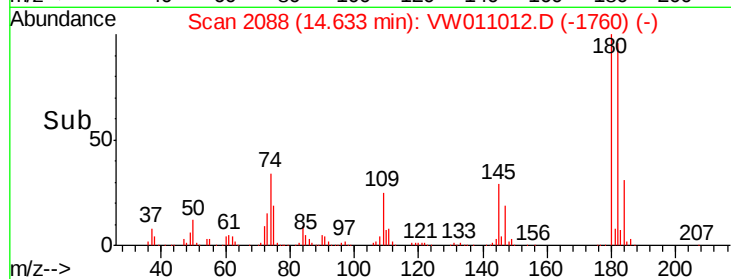
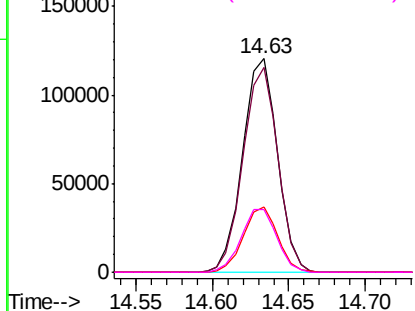


#67
 1,3,5-Trichlorobenzene
 Concen: 24.774 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW011012.D
 Acq: 27 Jun 2019 09:44

Tgt Ion:	180	Resp:	191395
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.2	114.2
184	30.2	24.3	36.5
145	30.0	24.2	36.2

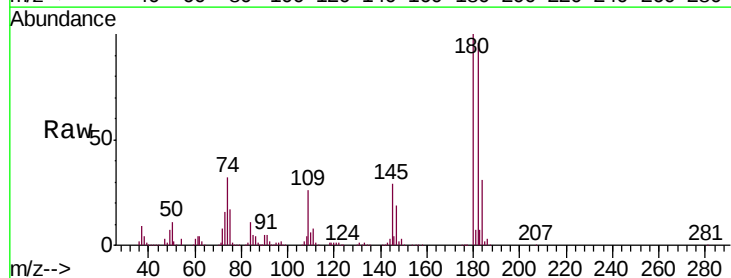


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

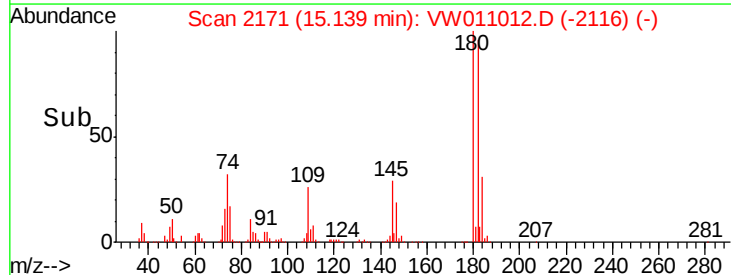
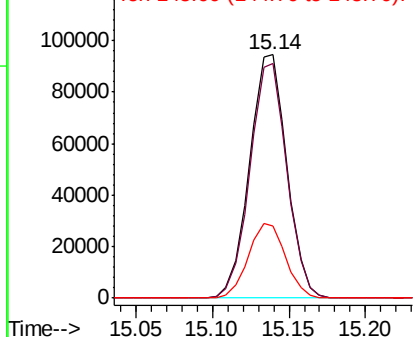


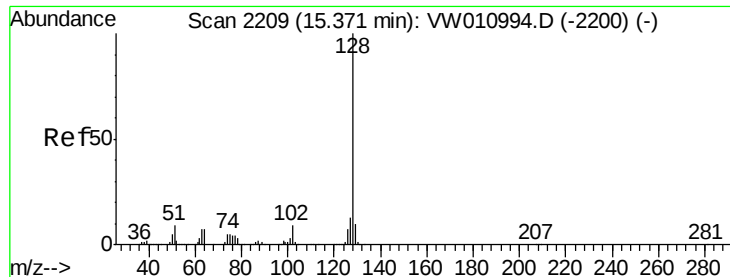
#68
 1,2,4-trichlorobenzene
 Concen: 24.542 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW011012.D
 Acq: 27 Jun 2019 09:44

Tgt Ion:	180	Resp:	160691
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.1	114.1
145	30.5	24.2	36.4



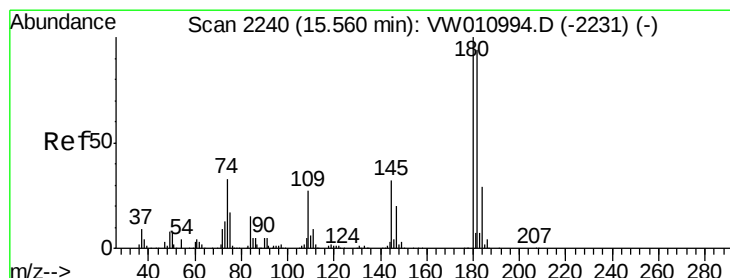
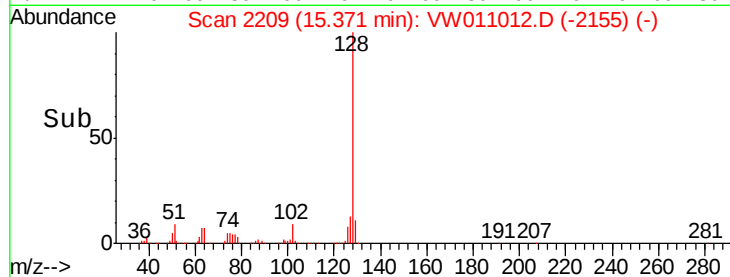
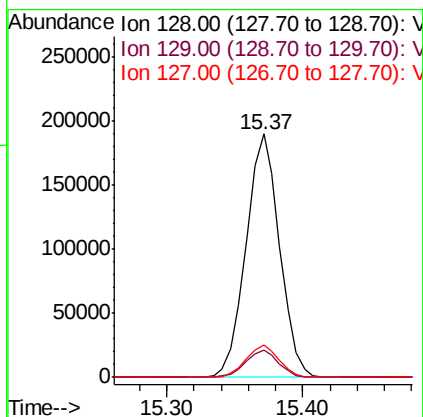
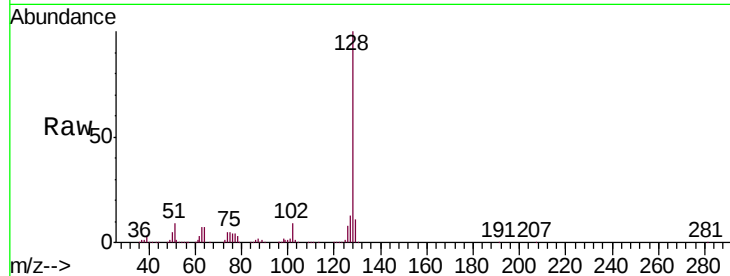
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69
Naphthalene
Concen: 23.410 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011012.D
Acq: 27 Jun 2019 09:44

Tgt Ion:128 Resp: 327086
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.0 10.9 16.3



#70
1,2,3-Trichlorobenzene
Concen: 24.704 ug/L
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011012.D
Acq: 27 Jun 2019 09:44

Tgt Ion:180 Resp: 146926
Ion Ratio Lower Upper
180 100
182 93.5 76.0 114.0
145 31.5 25.6 38.4

