

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092719\
 Data File : VW013319.D
 Acq On : 27 Sep 2019 12:48
 Operator : SY/VA
 Sample : MDL04
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Quant Time: Sep 28 04:23:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092619S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 28 03:37:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	460046	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	408697	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	201106	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	141060	25.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.88%
7) Chloroethane-d5	2.89	69	111206	25.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.04%
10) 1,1-Dichloroethene-d2	4.01	63	213831	19.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.20%
20) 2-Butanone-d5	7.07	46	97584	51.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.94%
24) Chloroform-d	7.65	84	258139	24.89	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.56%
26) 1,2-Dichloroethane-d4	8.30	65	145196	25.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.64%
29) Benzene-d6	8.27	84	566459	25.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.12%
33) 1,2-Dichloropropane-d6	9.27	67	169349	25.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.44%
37) Toluene-d8	10.32	98	536130	25.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.64%
38) trans-1,3-Dichloropropene-	10.58	79	72615	24.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.76%
39) 2-Hexanone-d5	10.93	63	74495	51.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	144199	25.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	187037	26.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.16%

Target Compounds

				Ovalue
2) Dichlorodifluoromethane	2.01	85	4209m	1.462 ug/L
3) Chloromethane	2.20	50	7176	1.860 ug/L
5) Vinyl chloride	2.35	62	10224	1.916 ug/L #
6) Bromomethane	2.77	94	5945m	1.753 ug/L
8) Chloroethane	2.92	64	6254	1.932 ug/L
9) Trichlorofluoromethane	3.26	101	5331	1.612 ug/L #
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	11872m	2.272 ug/L
12) 1,1-Dichloroethene	4.03	96	11731	2.212 ug/L #
13) Acetone	4.14	43	7737	4.903 ug/L
14) Carbon disulfide	4.38	76	26668	1.771 ug/L
15) Methyl Acetate	4.68	43	5571m	1.830 ug/L
16) Methylene chloride	4.91	84	25732	3.744 ug/L
17) Methyl tert-butyl Ether	5.42	73	17408	1.898 ug/L #
18) trans-1,2-Dichloroethene	5.42	96	11078	1.954 ug/L
19) 1,1-Dichloroethane	6.21	63	18889	1.899 ug/L
21) 2-Butanone	7.18	43	11294m	4.969 ug/L
22) cis-1,2-Dichloroethene	7.17	96	11781	1.907 ug/L

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 Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

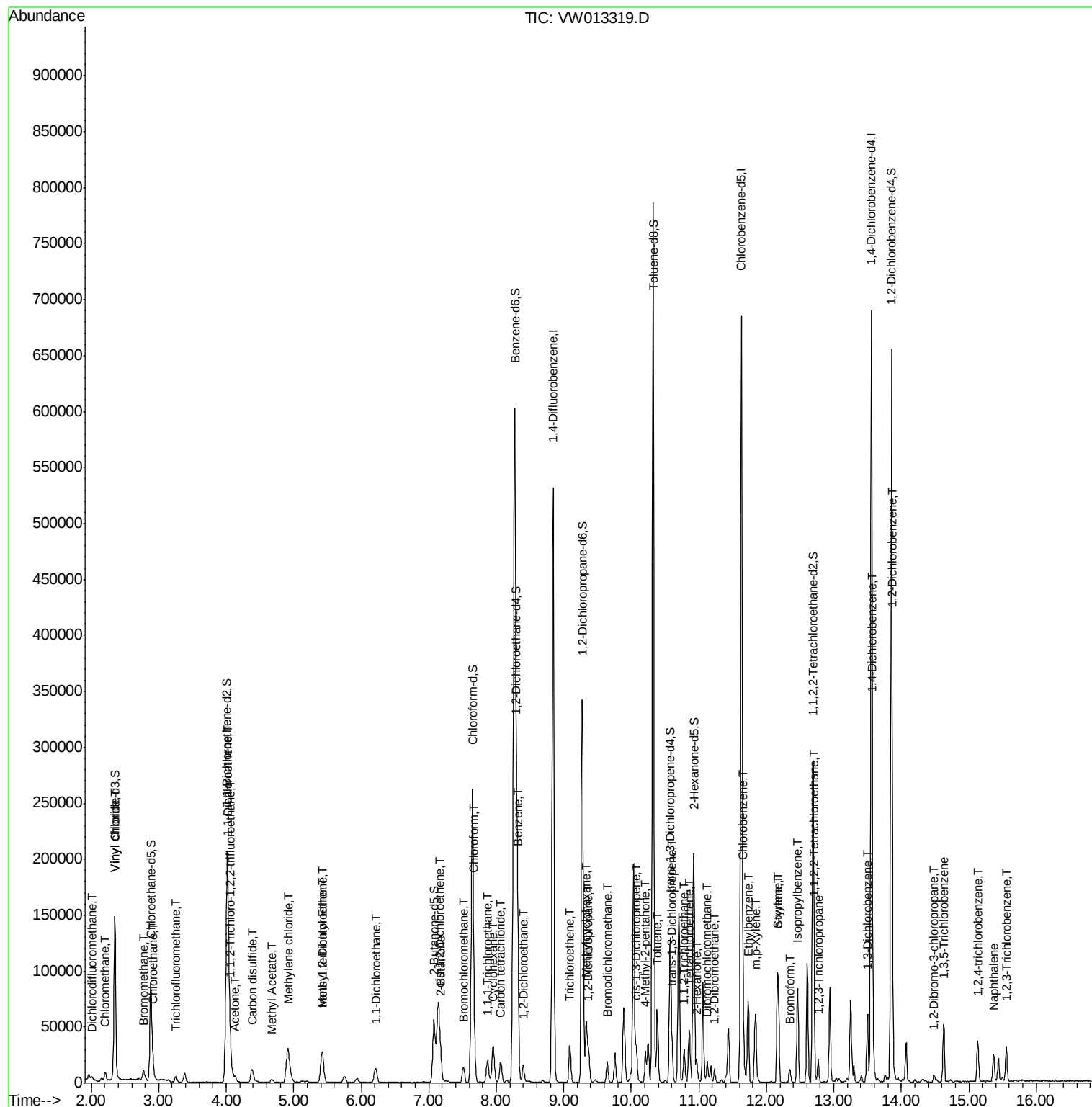
23) Bromochloromethane	7.51	128	5209	1.873	ug/L	93
25) Chloroform	7.67	83	20768	2.125	ug/L	95
27) 1,2-Dichloroethane	8.40	62	12826	2.004	ug/L #	93
30) Cyclohexane	7.96	56	17841	1.818	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	15570	1.985	ug/L	99
32) Carbon tetrachloride	8.07	117	14326	1.915	ug/L	98
34) Benzene	8.32	78	45256	1.975	ug/L	100
35) Trichloroethene	9.09	95	11351	1.886	ug/L	93
36) Methylcyclohexane	9.34	83	20881	1.947	ug/L	99
40) 1,2-Dichloropropane	9.37	63	10820	1.919	ug/L	100
41) Bromodichloromethane	9.64	83	13492	1.951	ug/L	91
42) cis-1,3-Dichloropropene	10.07	75	17388	1.931	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	18162	4.209	ug/L	92
44) Toluene	10.38	91	49888	2.000	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	14527m	2.007	ug/L	
46) 1,1,2-Trichloroethane	10.79	97	7710	1.746	ug/L	83
47) Tetrachloroethene	10.86	164	10441	1.928	ug/L	95
49) 2-Hexanone	10.97	43	11698	3.771	ug/L	97
50) Dibromochloromethane	11.13	129	9600	1.895	ug/L	75
51) 1,2-Dibromoethane	11.23	107	8500	1.959	ug/L	99
52) Chlorobenzene	11.66	112	30805	1.960	ug/L	95
53) Ethylbenzene	11.73	91	52441	1.896	ug/L	98
54) m,p-Xylene	11.84	106	20615	1.942	ug/L	90
55) o-xylene	12.16	106	18896	1.886	ug/L	95
56) Styrene	12.18	104	31447	1.831	ug/L	97
57) Isopropylbenzene	12.46	105	49581	1.830	ug/L #	96
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	11061	2.033	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	8419	2.073	ug/L	96
62) Bromoform	12.35	173	5976	1.878	ug/L #	97
63) 1,3-Dichlorobenzene	13.50	146	24201	1.956	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	24904	1.992	ug/L	93
65) 1,2-Dichlorobenzene	13.87	146	23113	2.053	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.48	75	1812	2.043	ug/L	86
67) 1,3,5-Trichlorobenzene	14.63	180	17184	1.804	ug/L	95
68) 1,2,4-trichlorobenzene	15.13	180	12357	1.625	ug/L	99
69) Naphthalene	15.37	128	21418	1.474	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	11874	1.717	ug/L	96

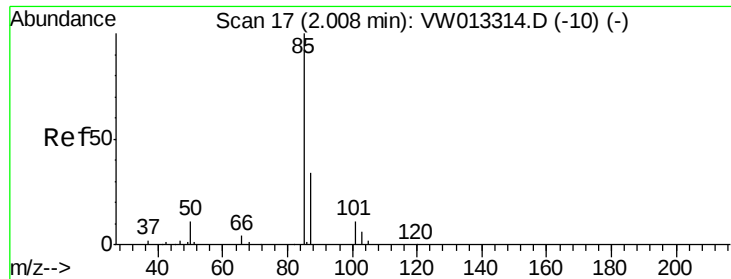
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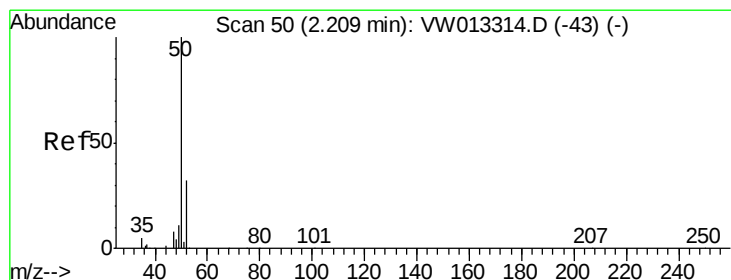
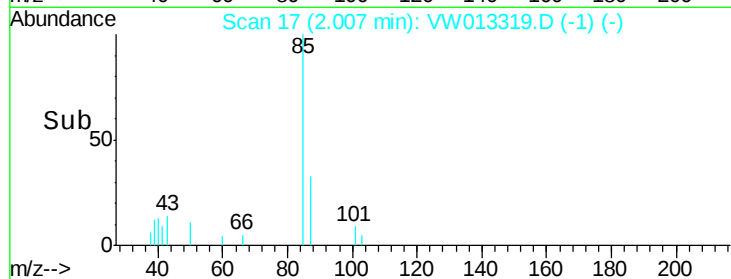
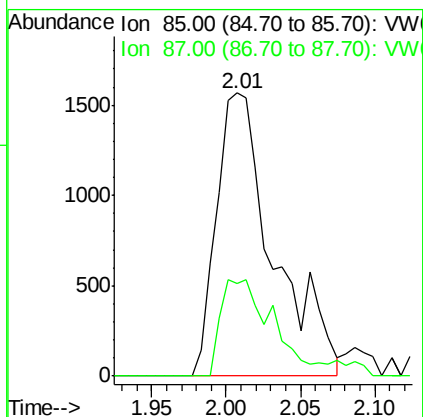
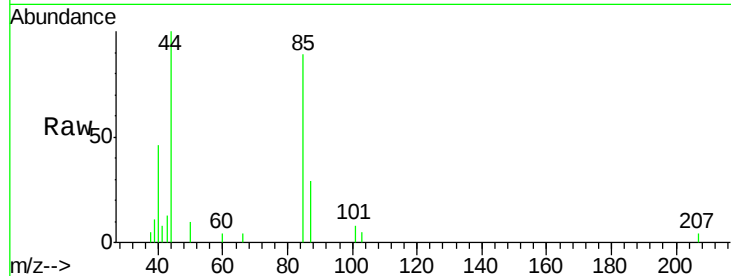


#2

Dichlorodifluoromethane
Concen: 1.462 ug/L m
RT: 2.01 min Scan# 17
Delta R.T. -0.00 min
Lab File: VW013319.D
Acq: 27 Sep 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :
MDL04

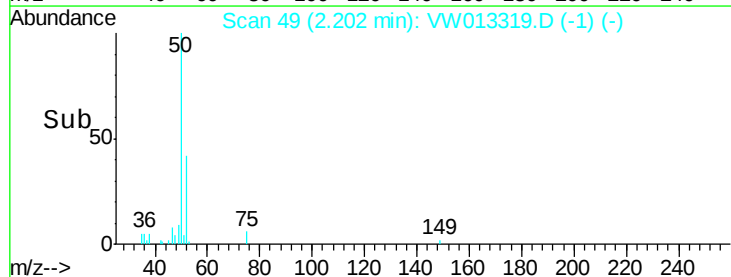
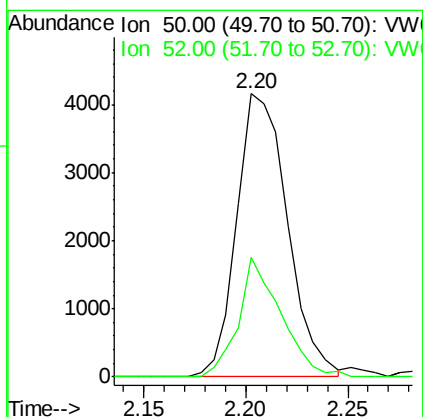
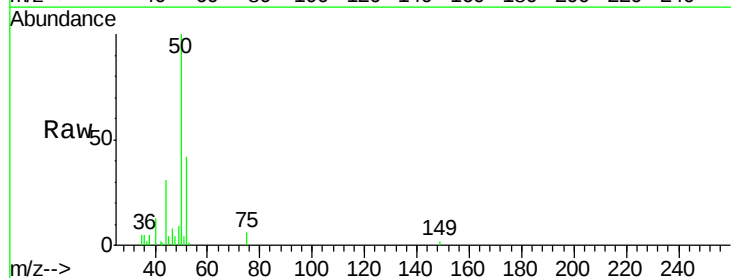
Tot Ion: 85 Resp: 4209
Ion Ratio Lower Upper
85 100
87 22.4 21.3 39.6

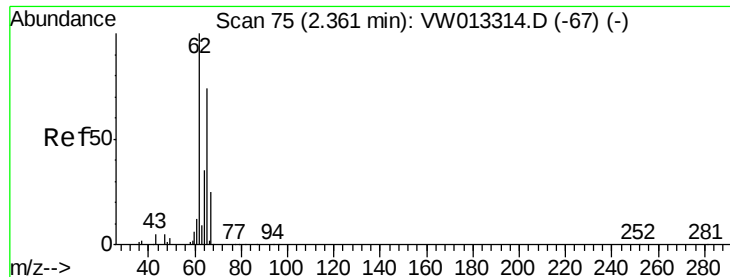


#3

Chloromethane
Concen: 1.860 ug/L
RT: 2.20 min Scan# 49
Delta R.T. -0.01 min
Lab File: VW013319.D
Acq: 27 Sep 2019 12:48

Tgt Ion: 50 Resp: 7176
Ion Ratio Lower Upper
50 100
52 42.0 24.4 45.4





#5

Vinyl chloride

Concen: 1.916 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013319.D

Acq: 27 Sep 2019 12:48

Instrument :

MSVOA_W

ClientSampled :

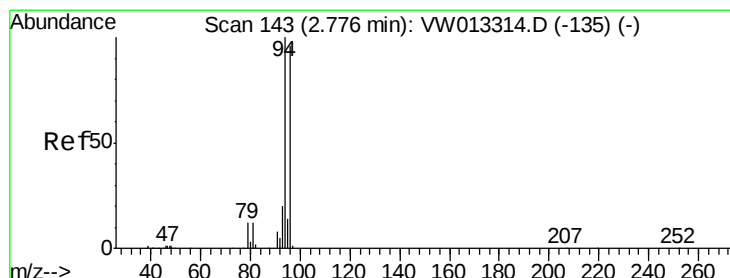
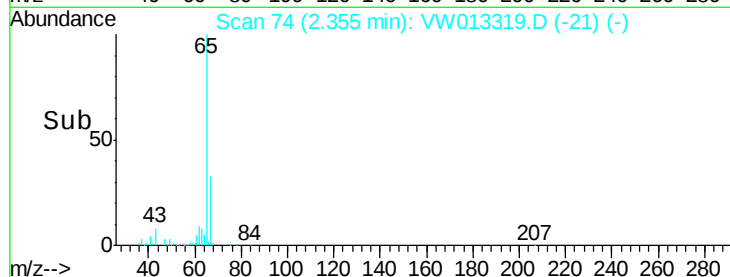
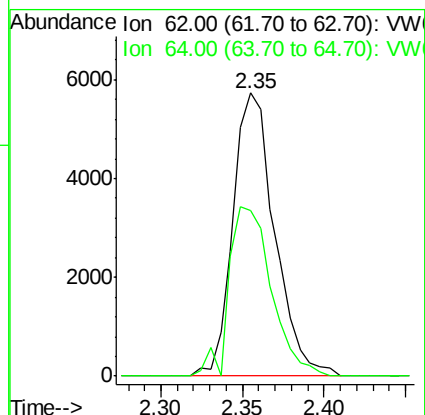
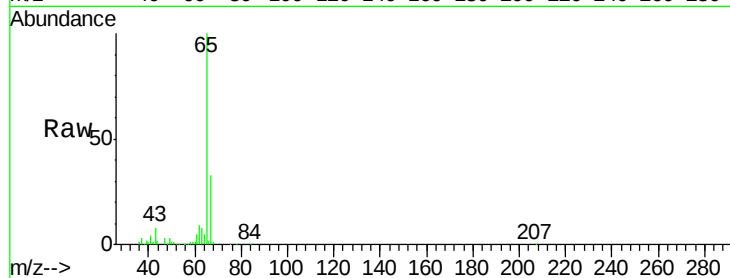
MDL04

Tot Ion: 62 Resp: 10224

Ion Ratio Lower Upper

62 100

64 58.4 23.2 43.0#



#6

Bromomethane

Concen: 1.753 ug/L m

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013319.D

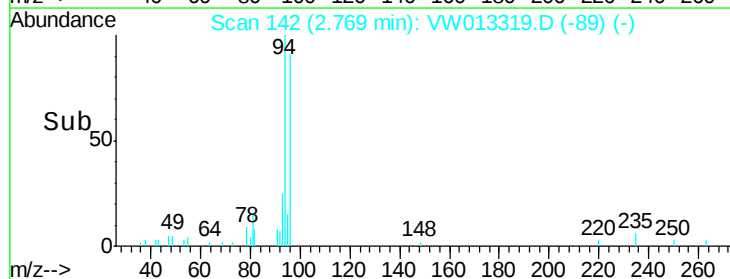
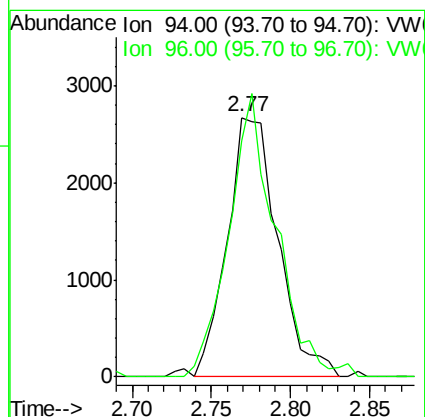
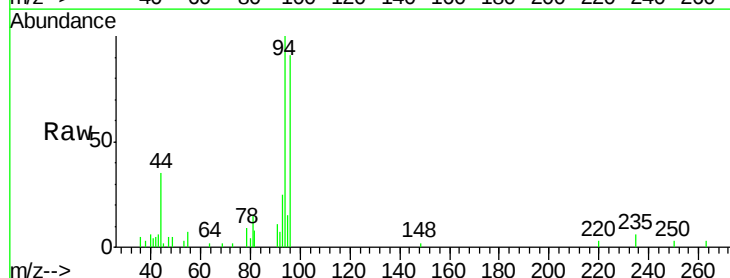
Acq: 27 Sep 2019 12:48

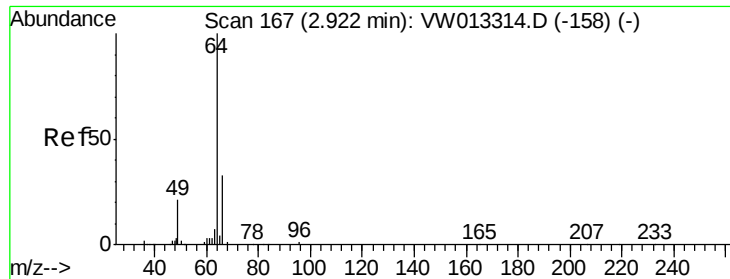
Tgt Ion: 94 Resp: 5945

Ion Ratio Lower Upper

94 100

96 99.9 9.7 184.3





#8

Chloroethane

Concen: 1.932 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW013319.D

Acq: 27 Sep 2019 12:48

Instrument :

MSVOA_W

ClientSampled :

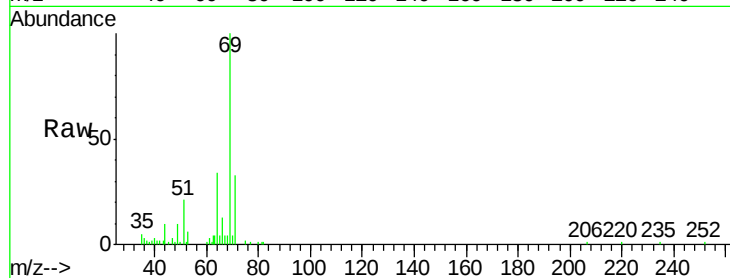
MDL04

Tot Ion: 64 Resp: 6254

Ion Ratio Lower Upper

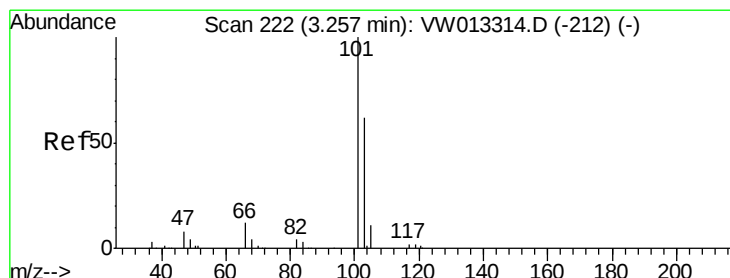
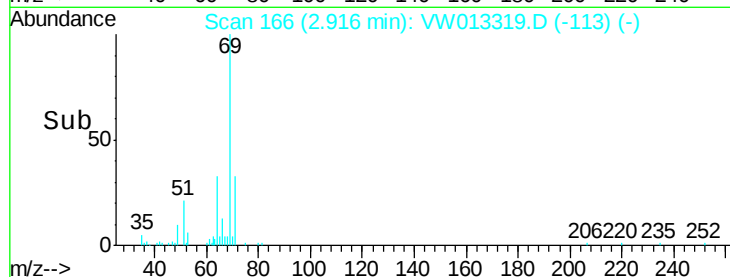
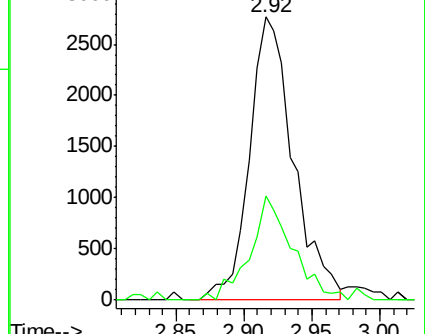
64 100

66 36.8 22.7 42.1



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 1.612 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW013319.D

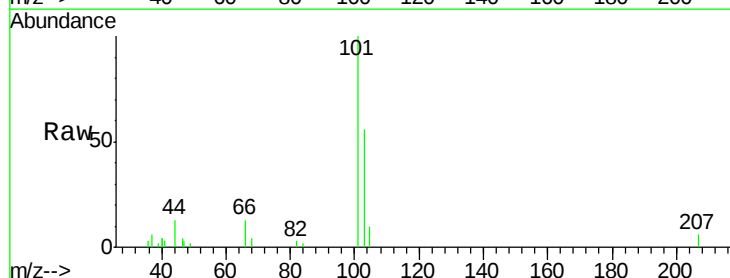
Acq: 27 Sep 2019 12:48

Tgt Ion: 101 Resp: 5331

Ion Ratio Lower Upper

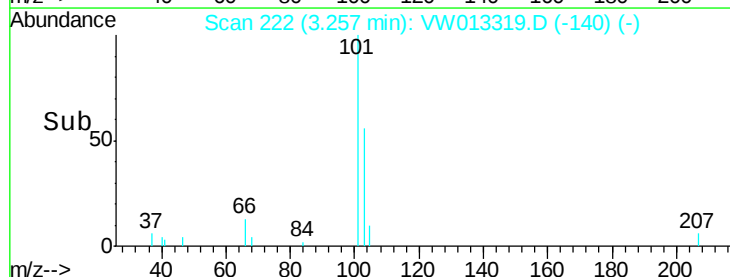
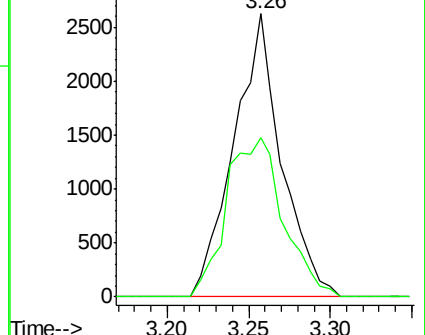
101 100

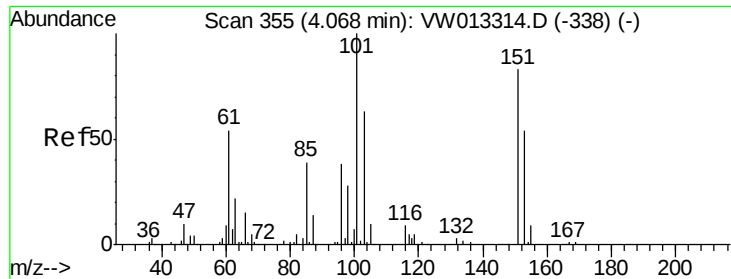
103 33.4 45.2 84.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 2.272 ug/L m

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013319.D

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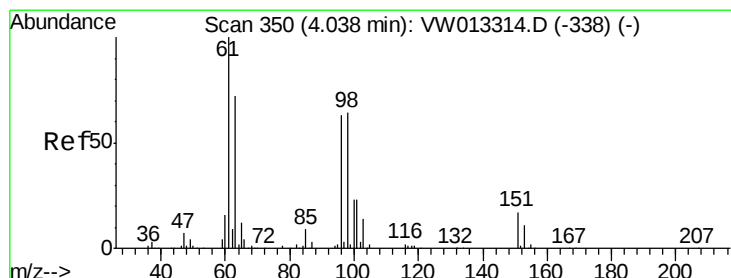
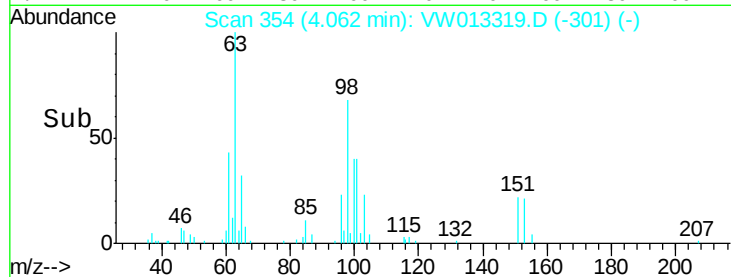
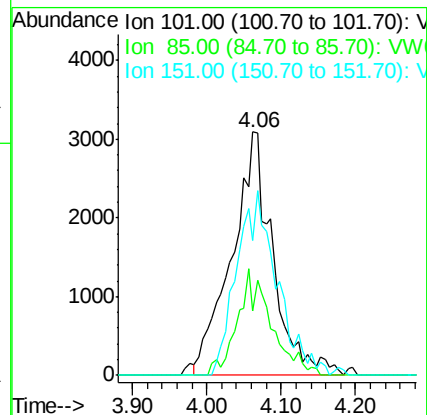
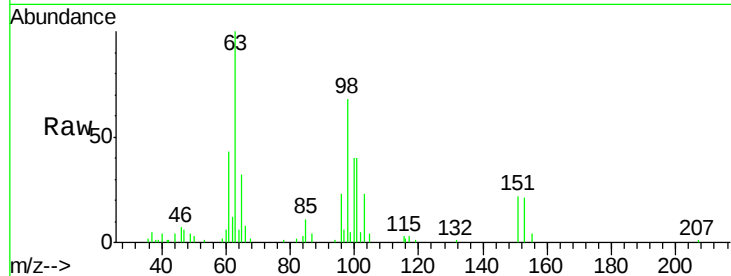
Tot Ion:101 Resp: 11872

Ion Ratio Lower Upper

101 100

85 16.7 31.8 47.8#

151 0.0 65.4 98.0#



#12

1,1-Dichloroethene

Concen: 2.212 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW013319.D

Acq: 27 Sep 2019 12:48

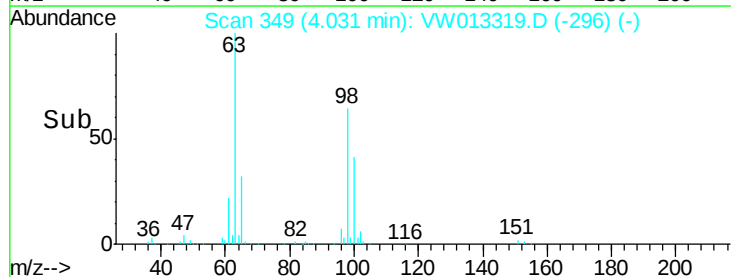
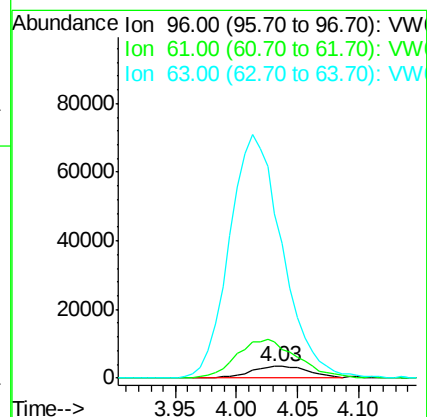
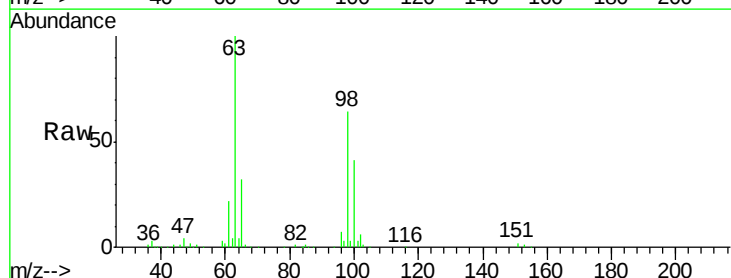
Tgt Ion: 96 Resp: 11731

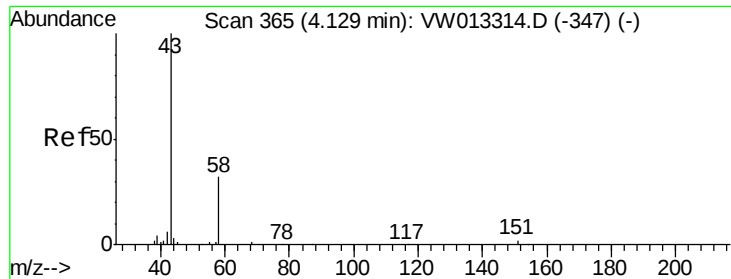
Ion Ratio Lower Upper

96 100

61 304.1 115.9 215.3#

63 1390.7 88.9 165.1#





#13

Acetone

Concen: 4.903 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

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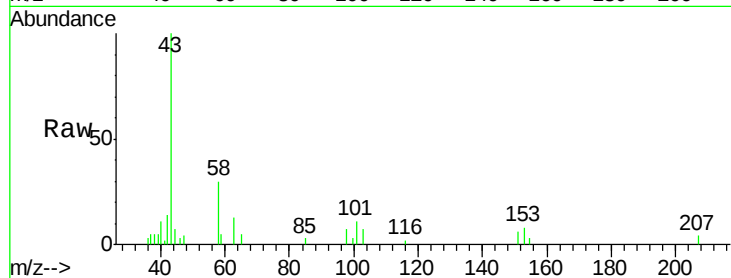
MDL04

Tot Ion: 43 Resp: 7737

Ion Ratio Lower Upper

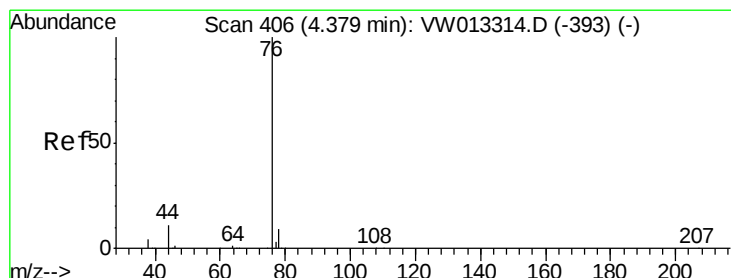
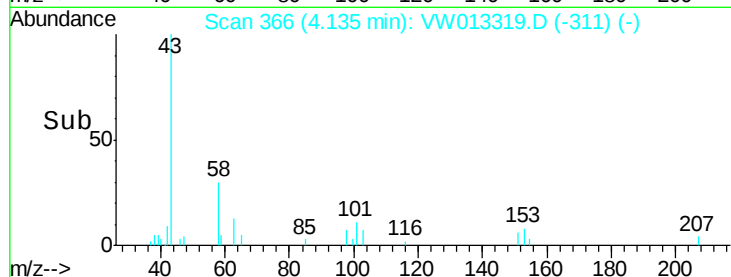
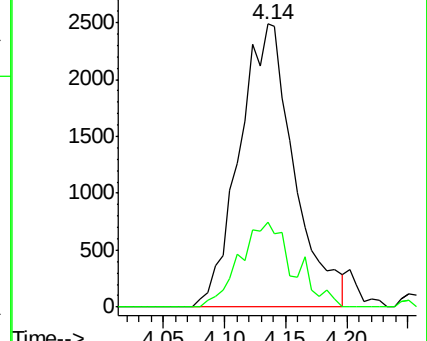
43 100

58 25.3 0.0 63.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 1.771 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW013319.D

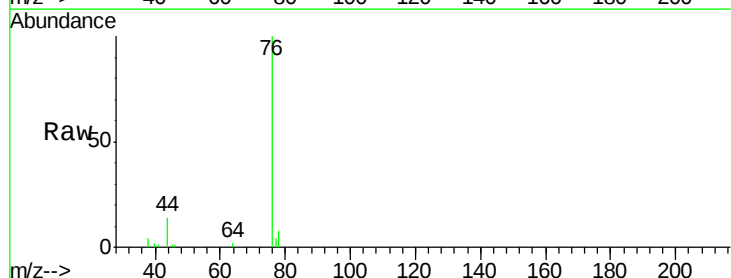
Acq: 27 Sep 2019 12:48

Tgt Ion: 76 Resp: 26668

Ion Ratio Lower Upper

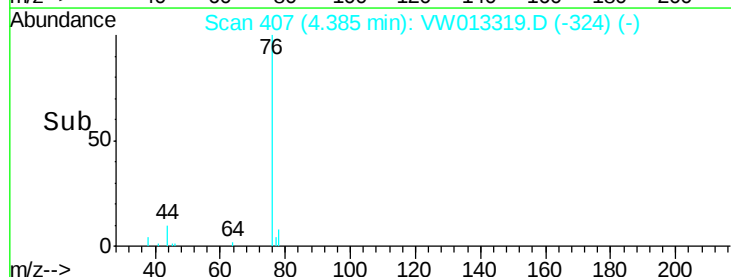
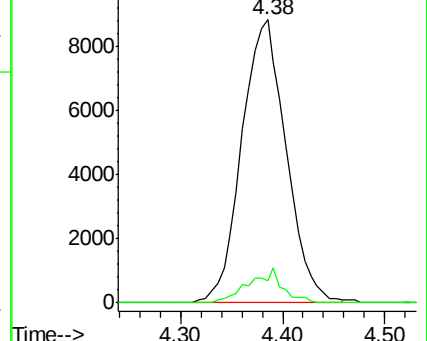
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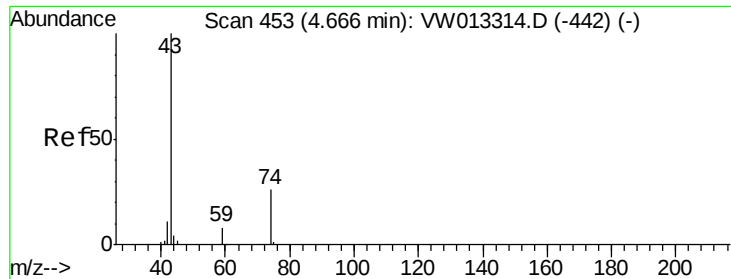
78 7.9 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

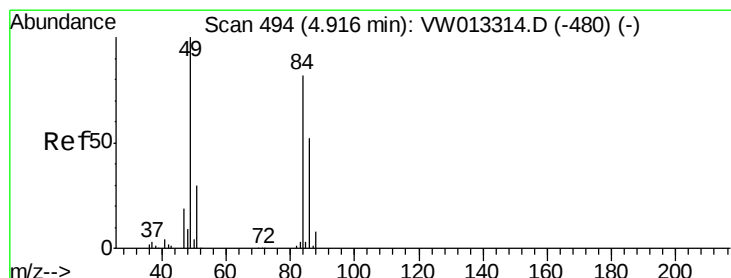
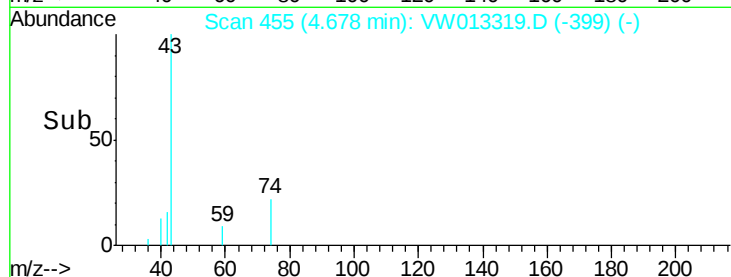
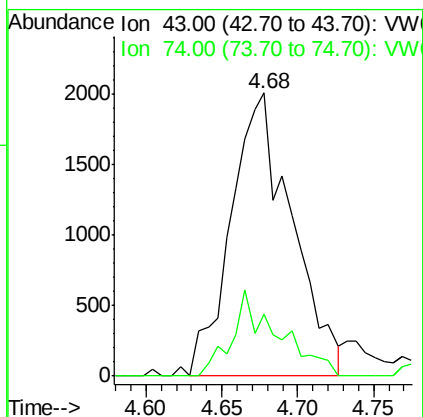
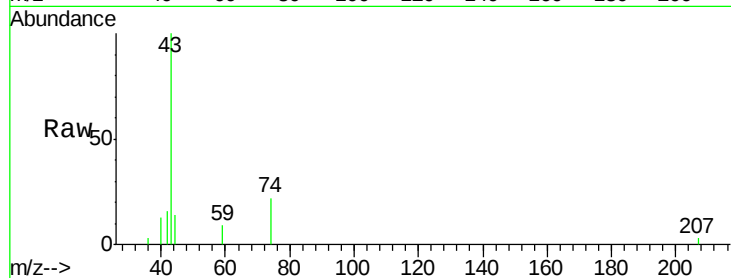




#15
Methvl Acetate
Concen: 1.830 ug/L m
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW013319.D
Acq: 27 Sep 2019 12:48

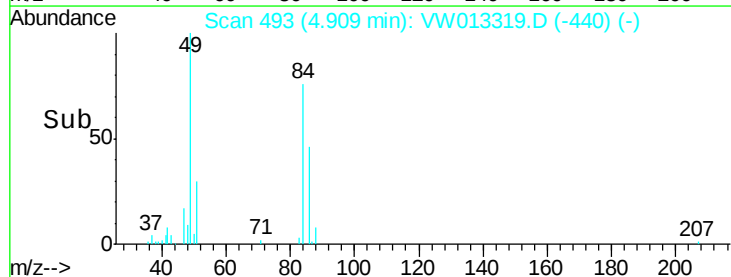
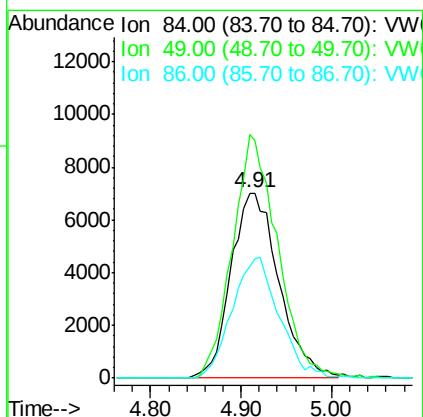
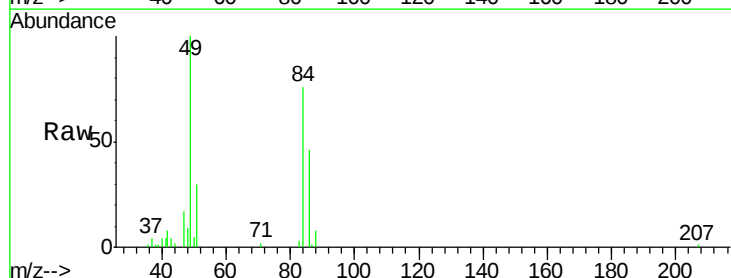
Instrument :
MSVOA_W
ClientSampled :
MDL04

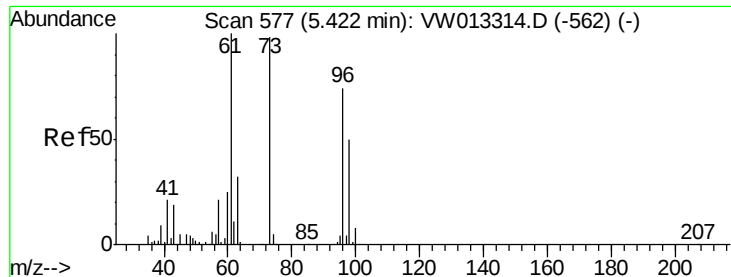
Tot Ion: 43 Resp: 5571
Ion Ratio Lower Upper
43 100
74 11.0 18.7 28.1#



#16
Methylene chloride
Concen: 3.744 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW013319.D
Acq: 27 Sep 2019 12:48

Tgt Ion: 84 Resp: 25732
Ion Ratio Lower Upper
84 100
49 131.6 84.8 157.4
86 60.2 44.0 81.6

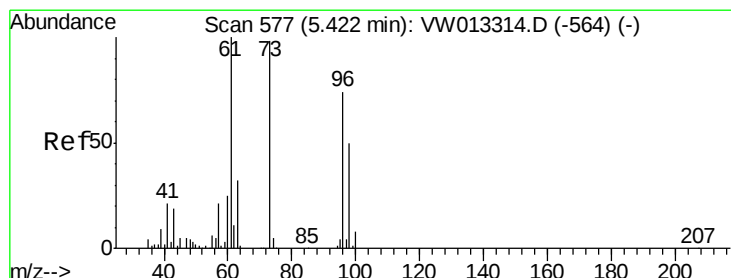
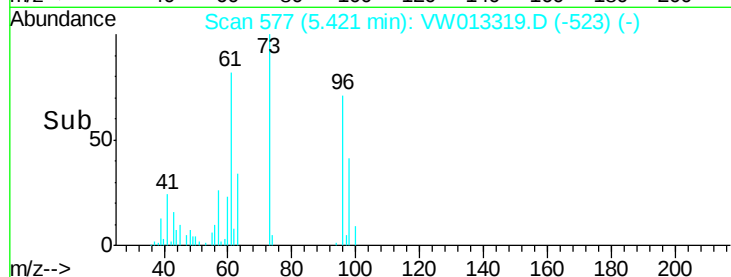
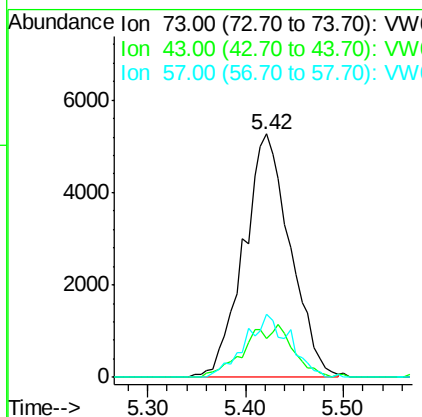
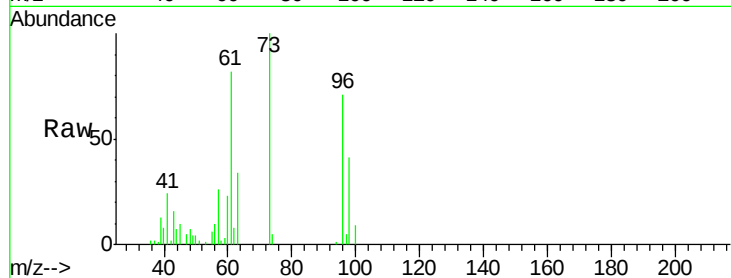




#17
Methvl tert-butvl Ether
Concen: 1.898 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013319.D
Acq: 27 Sep 2019 12:48

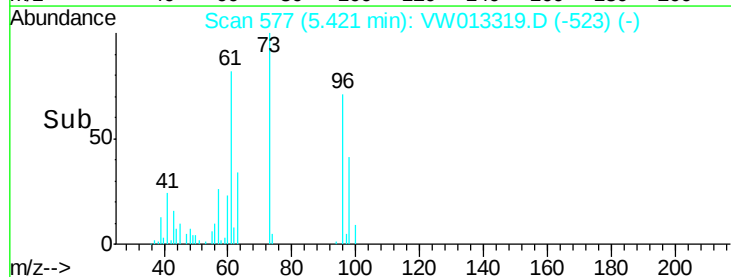
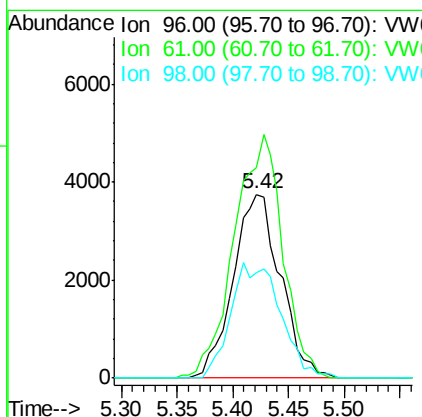
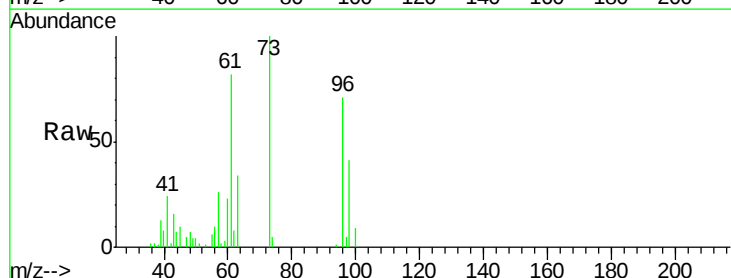
Instrument :
MSVOA_W
ClientSampled :
MDL04

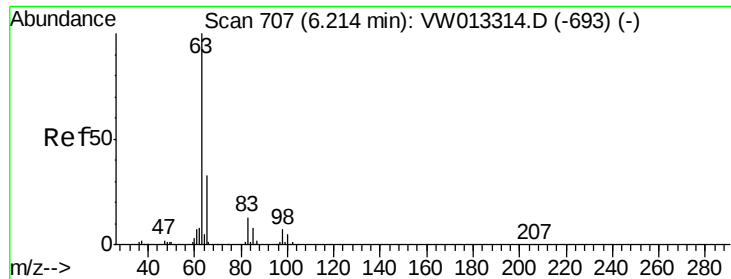
Tot Ion: 73 Resp: 17408
Ion Ratio Lower Upper
73 100
43 10.7 15.3 22.9#
57 11.2 18.2 27.4#



#18
trans-1,2-Dichloroethene
Concen: 1.954 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013319.D
Acq: 27 Sep 2019 12:48

Tgt Ion: 96 Resp: 11078
Ion Ratio Lower Upper
96 100
61 114.8 91.2 169.4
98 57.0 44.7 82.9

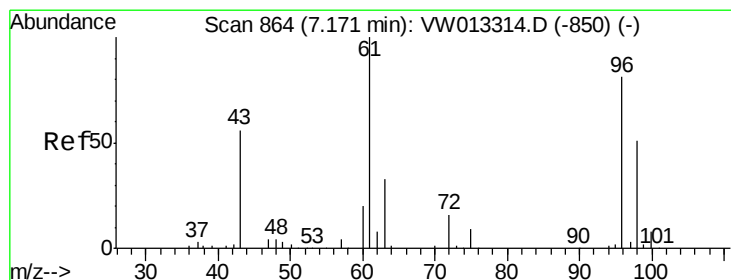
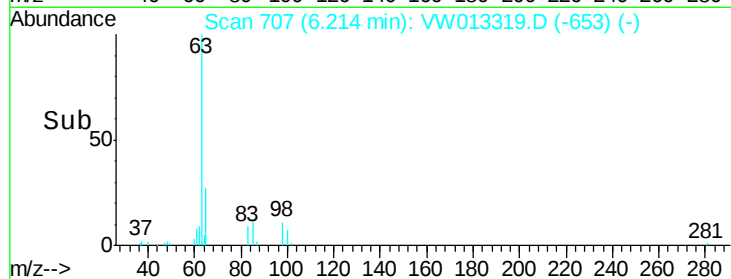
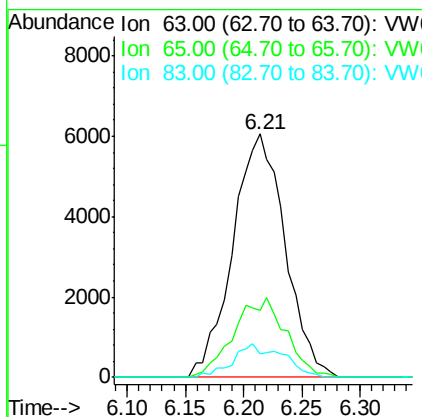
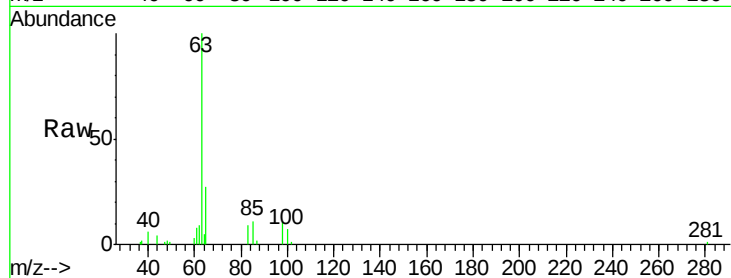




#19
 1,1-Dichloroethane
 Concen: 1.899 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013319.D
 Acq: 27 Sep 2019 12:48

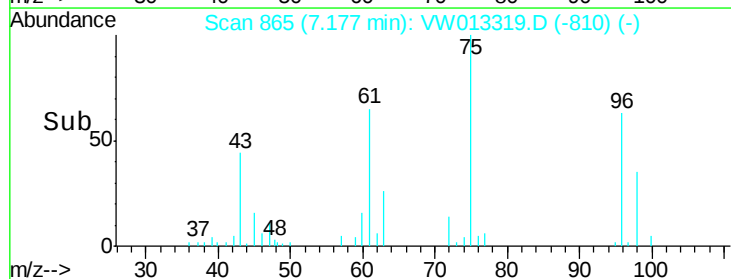
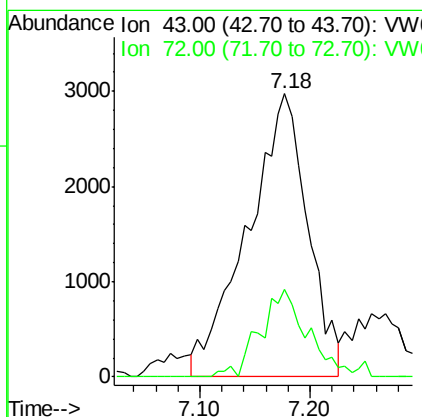
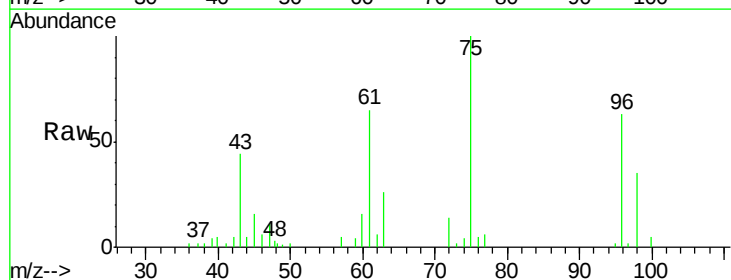
Instrument :
 MSVOA_W
 ClientSampled :
 MDL04

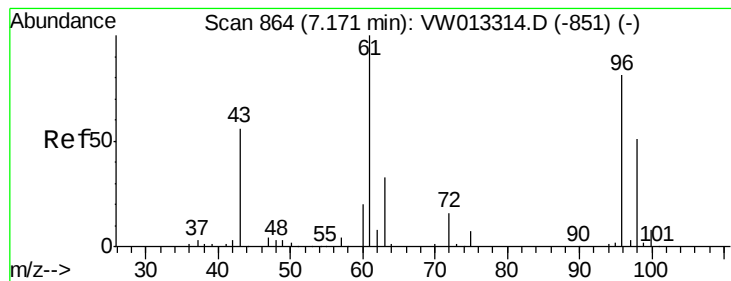
Tot Ion: 63 Resp: 18889
 Ion Ratio Lower Upper
 63 100
 65 27.3 21.8 40.4
 83 9.4 9.3 17.3



#21
 2-Butanone
 Concen: 4.969 ug/L m
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW013319.D
 Acq: 27 Sep 2019 12:48

Tgt Ion: 43 Resp: 11294
 Ion Ratio Lower Upper
 43 100
 72 5.1 13.2 39.6#



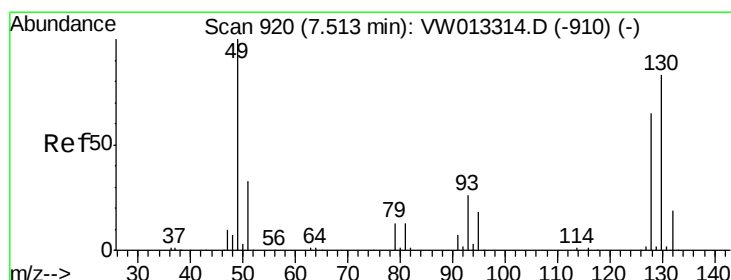
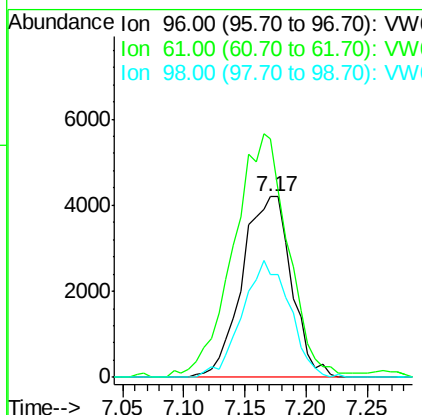
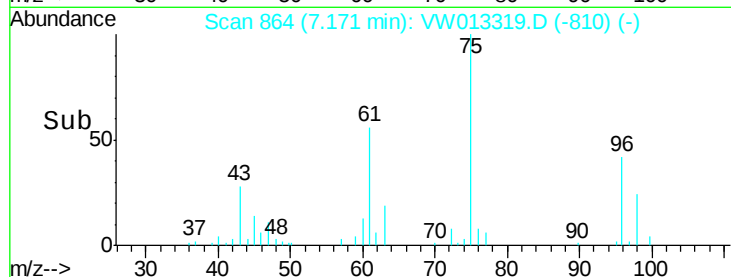
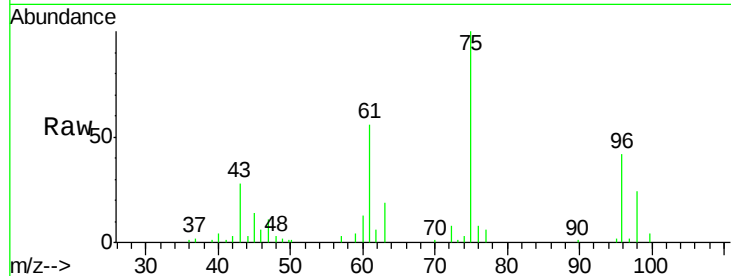


#22

cis-1,2-Dichloroethene
Concen: 1.907 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW013319.D
Acq: 27 Sep 2019 12:48

Instrument :
MSVOA_W
ClientSampled :
MDL04

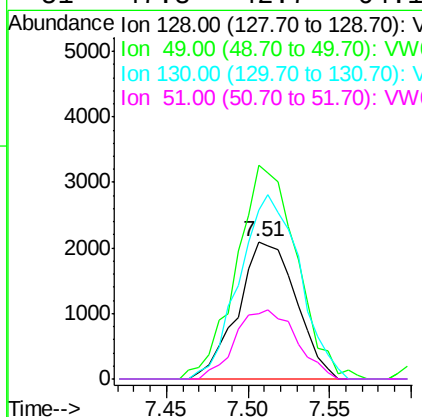
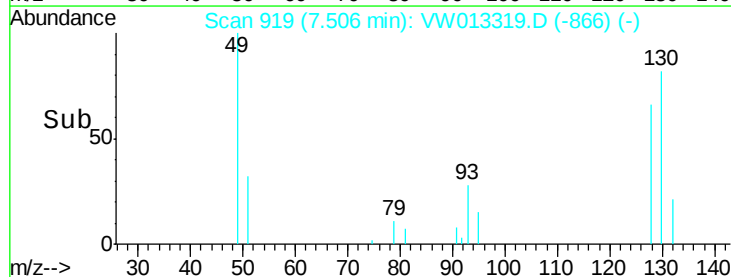
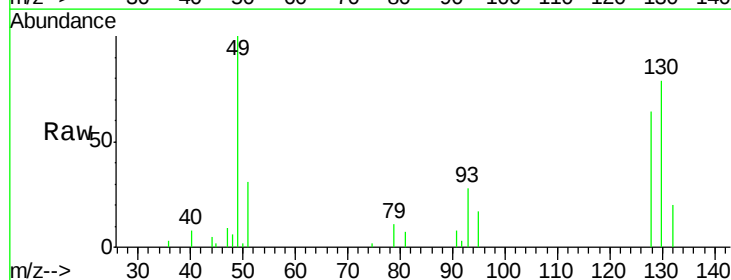
Tot Ion: 96 Resp: 11781
Ion Ratio Lower Upper
96 100
61 131.6 86.0 159.6
98 56.6 43.5 80.9

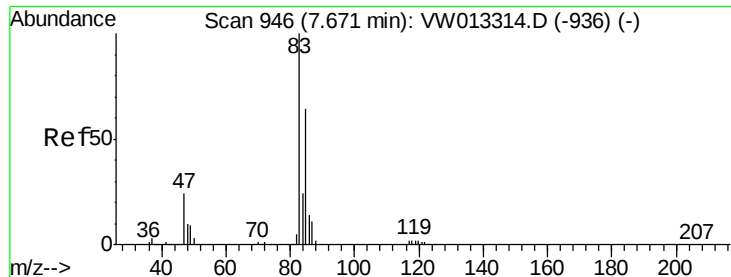


#23

Bromochloromethane
Concen: 1.873 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013319.D
Acq: 27 Sep 2019 12:48

Tgt Ion: 128 Resp: 5209
Ion Ratio Lower Upper
128 100
49 155.5 114.6 212.8
130 123.2 92.6 172.0
51 47.8 42.7 64.1





#25

Chloroform

Concen: 2.125 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW013319.D

Acq: 27 Sep 2019 12:48

Instrument :

MSVOA_W

ClientSampled :

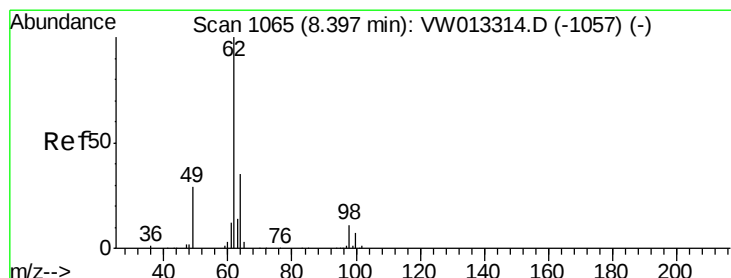
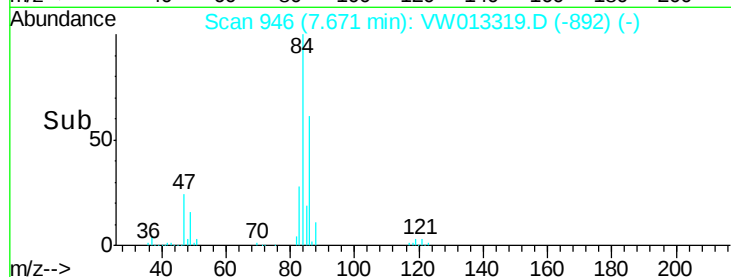
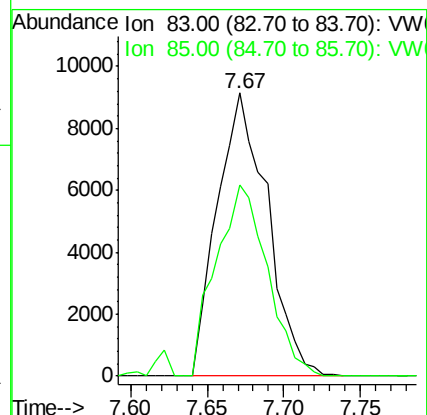
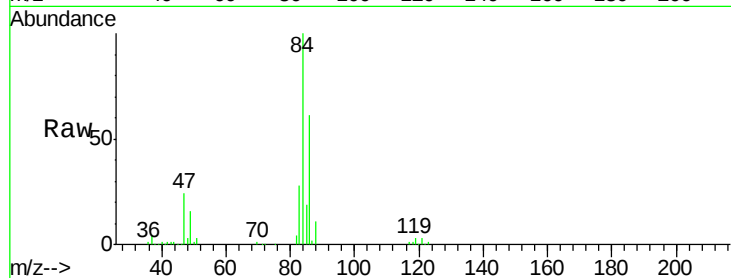
MDL04

Tot Ion: 83 Resp: 20768

Ion Ratio Lower Upper

83 100

85 69.2 45.9 85.3



#27

1,2-Dichloroethane

Concen: 2.004 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW013319.D

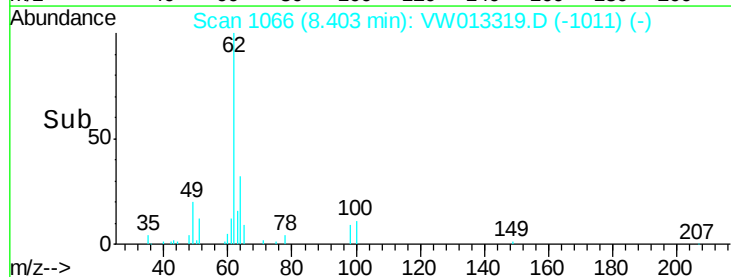
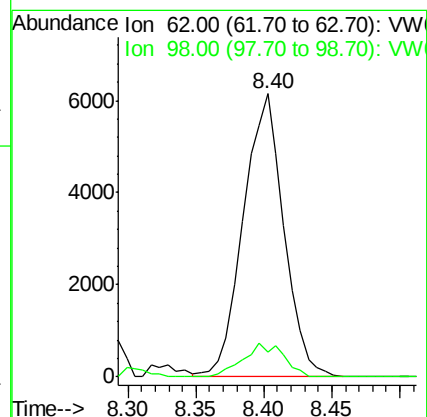
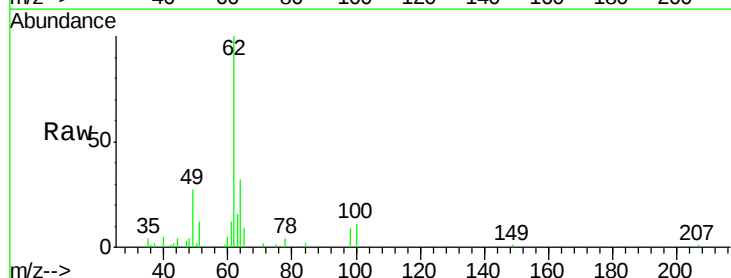
Acq: 27 Sep 2019 12:48

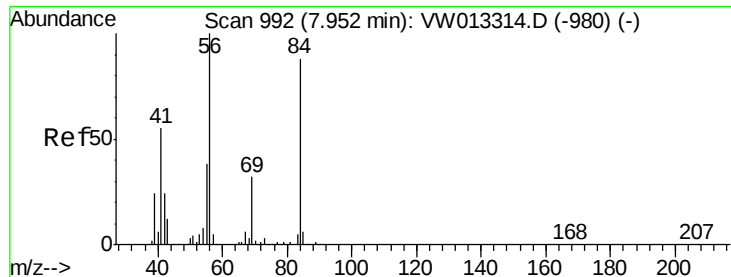
Tgt Ion: 62 Resp: 12826

Ion Ratio Lower Upper

62 100

98 8.7 9.0 13.6#

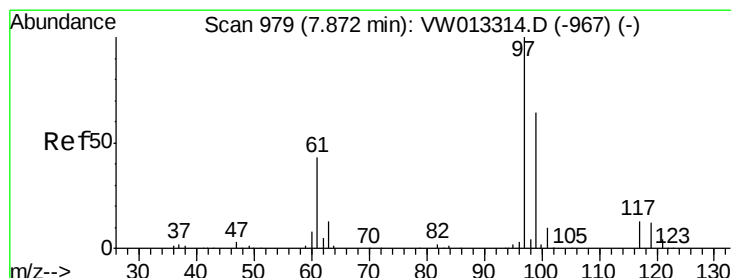
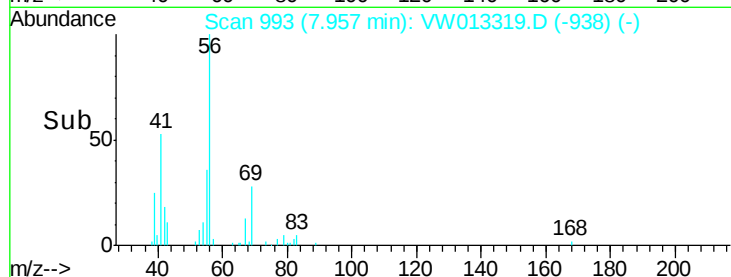
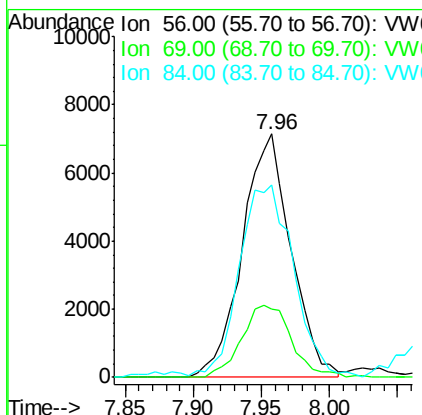
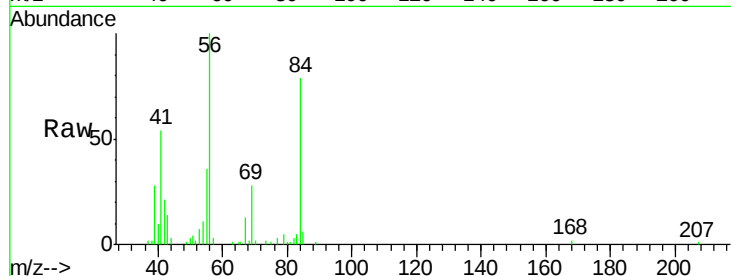




#30
Cvclohexane
Concen: 1.818 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW013319.D
Acq: 27 Sep 2019 12:48

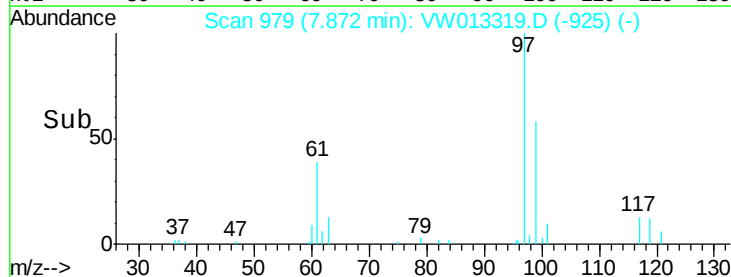
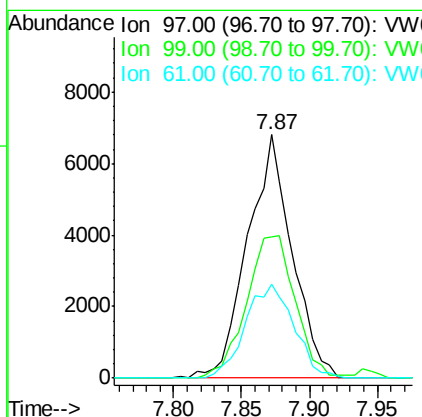
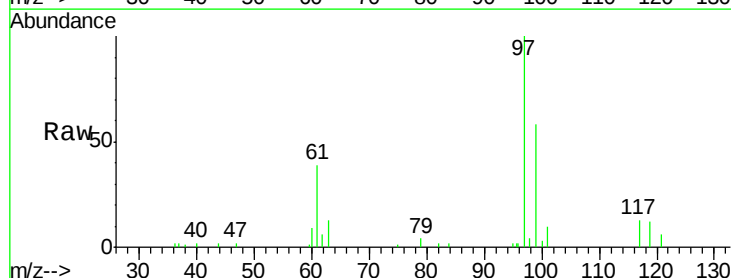
Instrument :
MSVOA_W
ClientSampleId :
MDL04

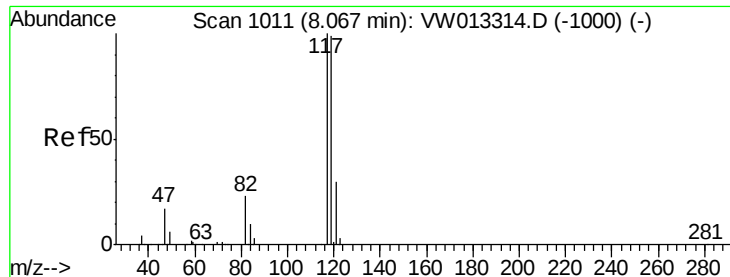
Tot Ion: 56 Resp: 17841
Ion Ratio Lower Upper
56 100
69 29.7 24.6 37.0
84 88.3 69.5 104.3



#31
1,1,1-Trichloroethane
Concen: 1.985 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013319.D
Acq: 27 Sep 2019 12:48

Tgt Ion: 97 Resp: 15570
Ion Ratio Lower Upper
97 100
99 63.8 50.6 75.8
61 42.1 34.2 51.2





#32

Carbon tetrachloride

Concen: 1.915 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013319.D

Acq: 27 Sep 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

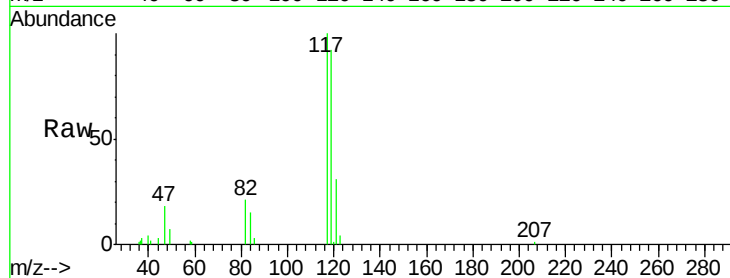
MDL04

Tot Ion:117 Resp: 14326

Ion Ratio Lower Upper

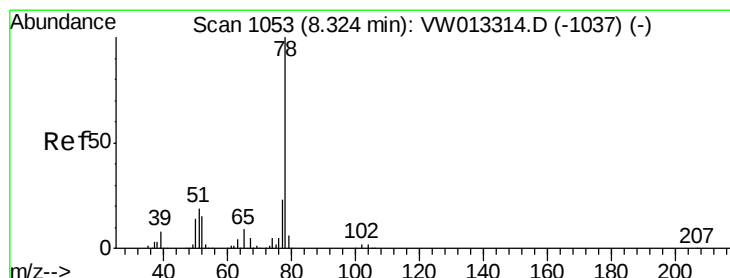
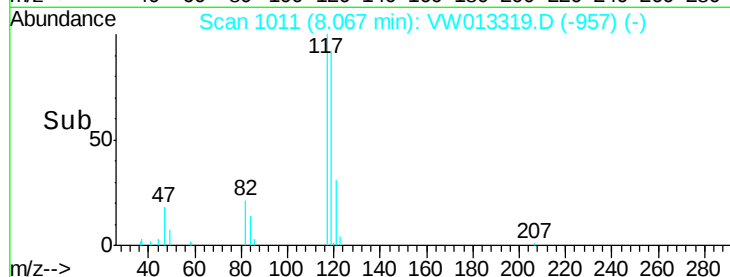
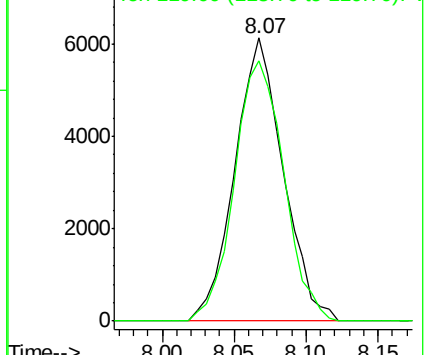
117 100

119 93.8 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 1.975 ug/L

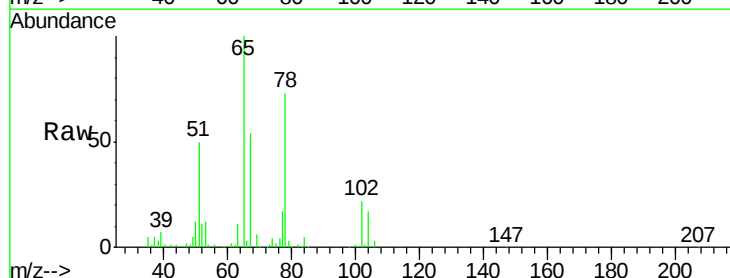
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

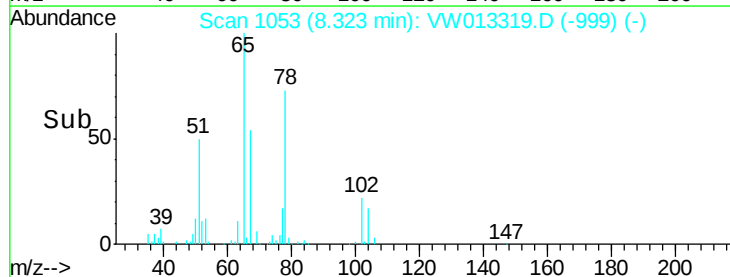
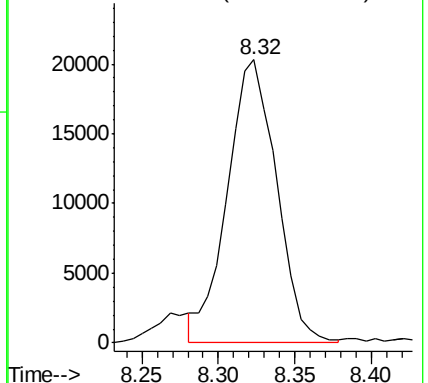
Lab File: VW013319.D

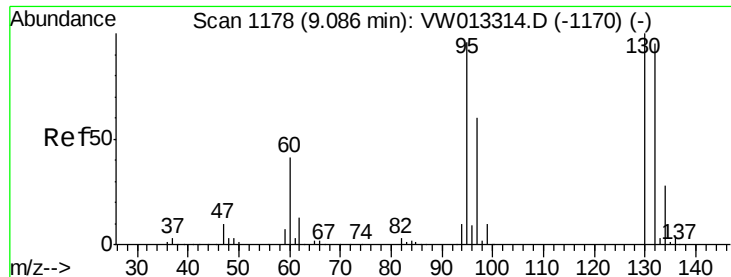
Acq: 27 Sep 2019 12:48

Tgt Ion: 78 Resp: 45256



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 1.886 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW013319.D

Acq: 27 Sep 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

MDL04

Tot Ion: 95 Resp: 11351

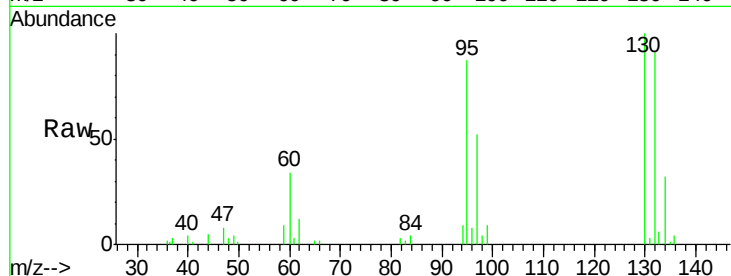
Ion Ratio Lower Upper

95 100

97 69.4 44.3 82.3

132 108.9 71.7 133.3

130 113.2 74.1 137.7

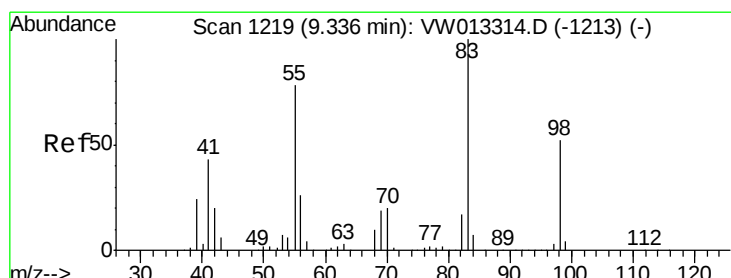
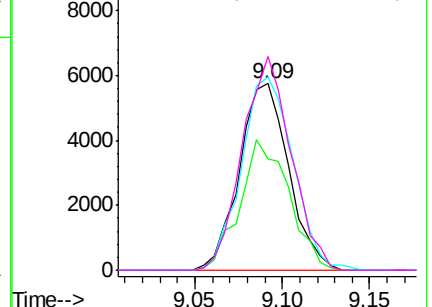
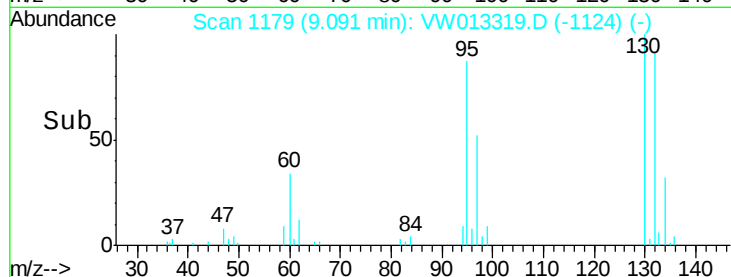


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 1.947 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW013319.D

Acq: 27 Sep 2019 12:48

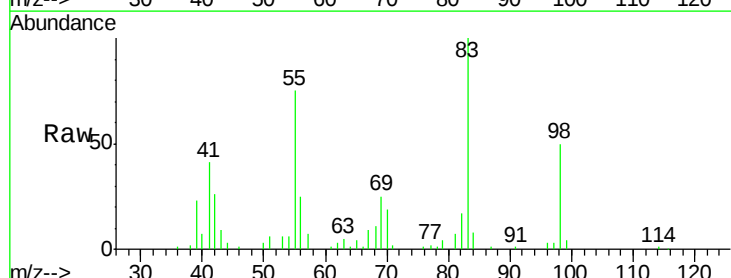
Tgt Ion: 83 Resp: 20881

Ion Ratio Lower Upper

83 100

55 77.5 61.8 92.6

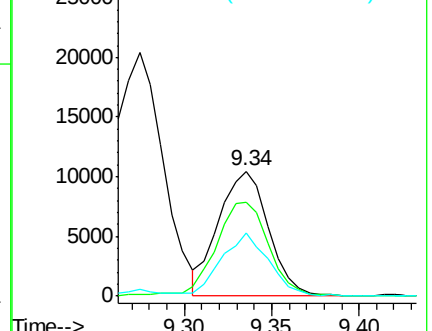
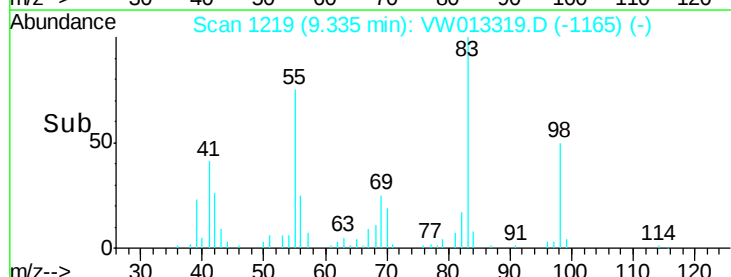
98 47.4 39.6 59.4

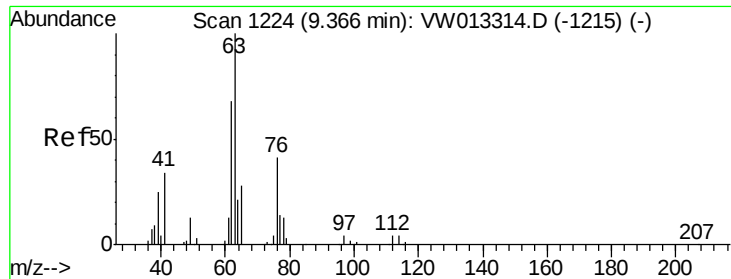


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

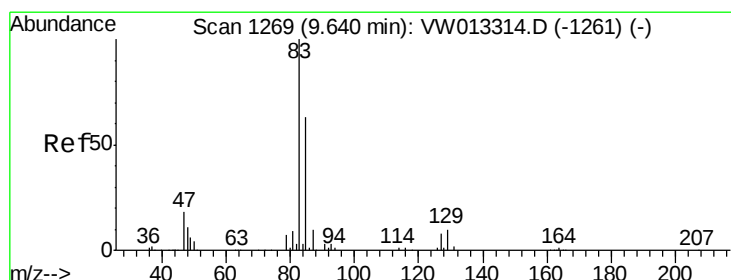
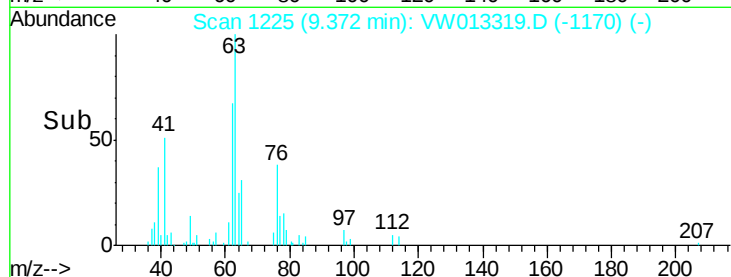
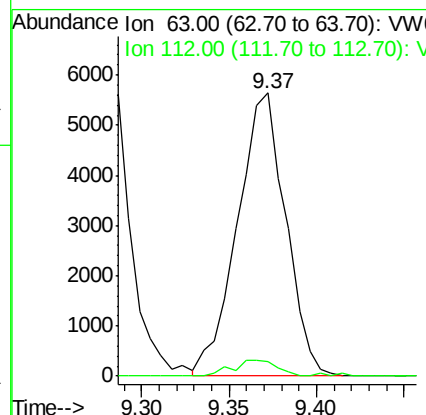
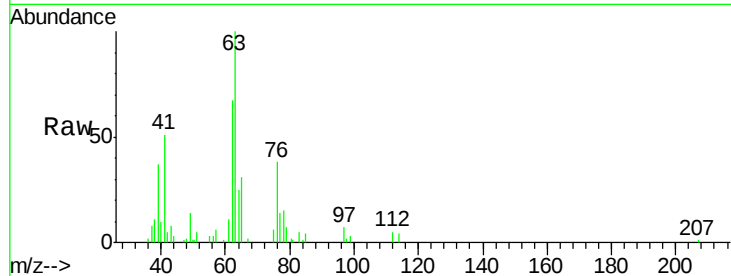




#40
 1,2-Dichloropropane
 Concen: 1.919 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW013319.D
 Acq: 27 Sep 2019 12:48

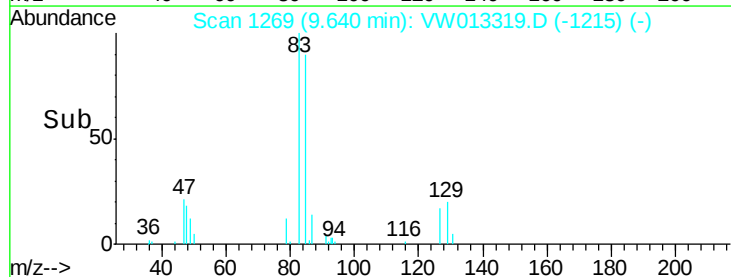
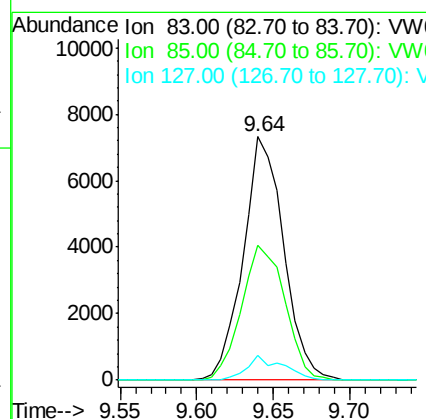
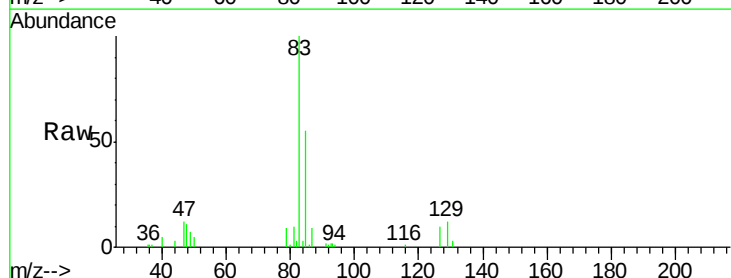
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

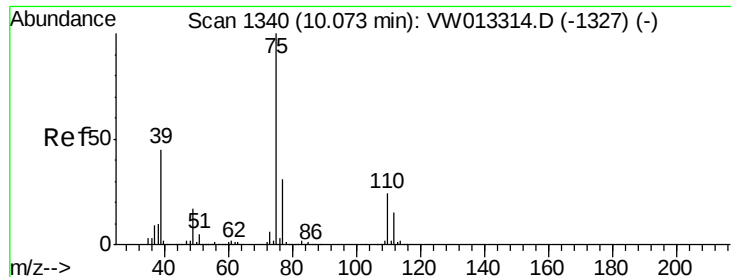
Tot Ion: 63 Resp: 10820
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.1 6.1



#41
 Bromodichloromethane
 Concen: 1.951 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013319.D
 Acq: 27 Sep 2019 12:48

Tgt Ion: 83 Resp: 13492
 Ion Ratio Lower Upper
 83 100
 85 55.2 43.8 81.4
 127 10.0 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 1.931 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013319.D

Acq: 27 Sep 2019 12:48

Instrument :

MSVOA_W

ClientSampled :

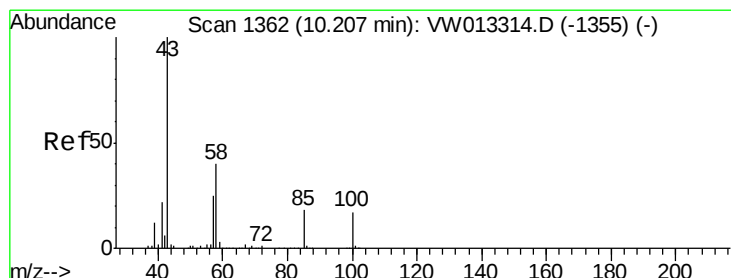
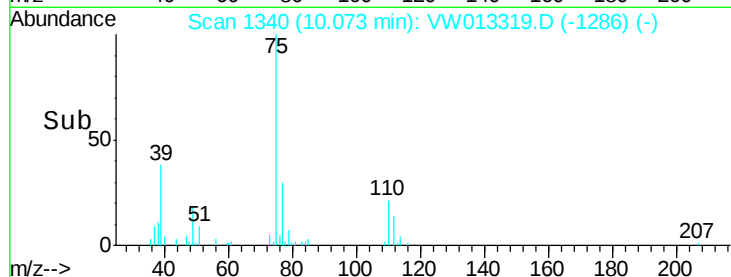
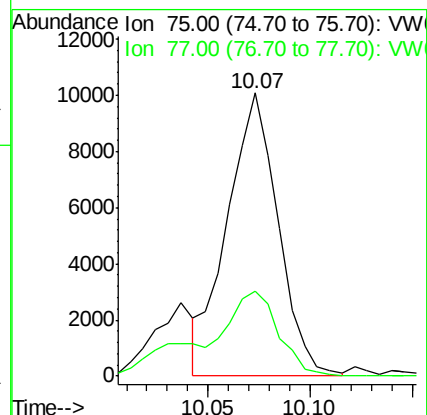
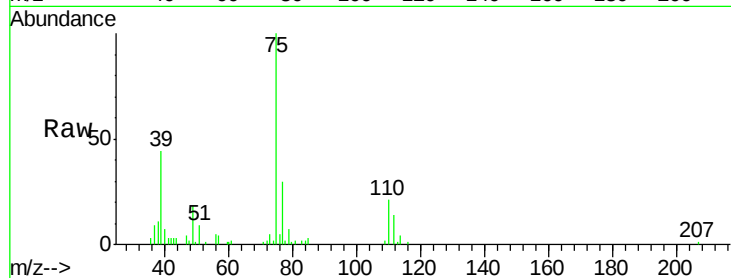
MDL04

Tot Ion: 75 Resp: 17388

Ion Ratio Lower Upper

75 100

77 30.2 21.3 39.5



#43

4-Methyl-2-pentanone

Concen: 4.209 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW013319.D

Acq: 27 Sep 2019 12:48

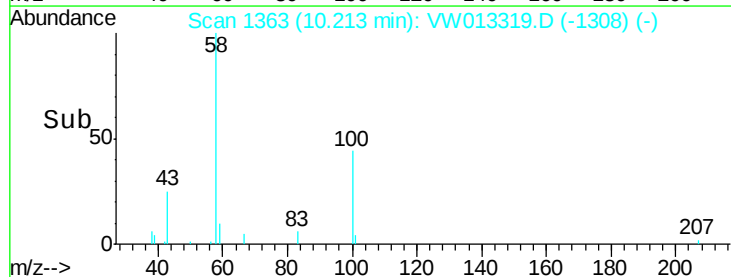
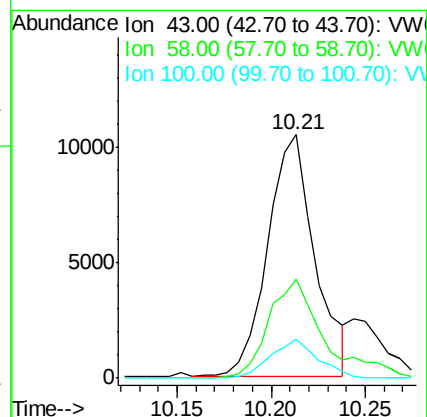
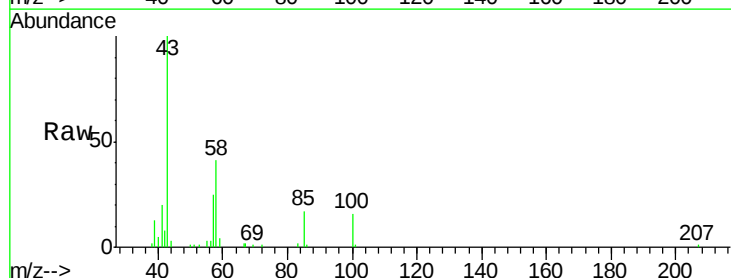
Tgt Ion: 43 Resp: 18162

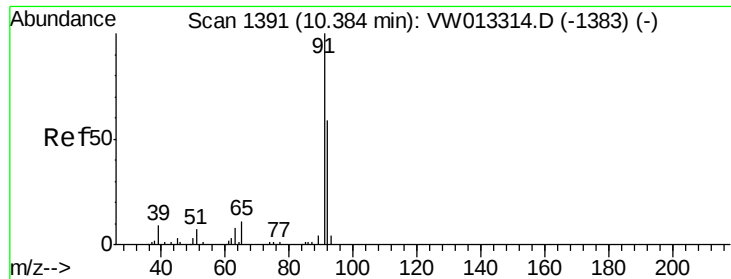
Ion Ratio Lower Upper

43 100

58 48.1 32.7 49.1

100 16.0 12.9 19.3





#44

Toluene

Concen: 2.000 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013319.D

Acq: 27 Sep 2019 12:48

Instrument :

MSVOA_W

ClientSampled :

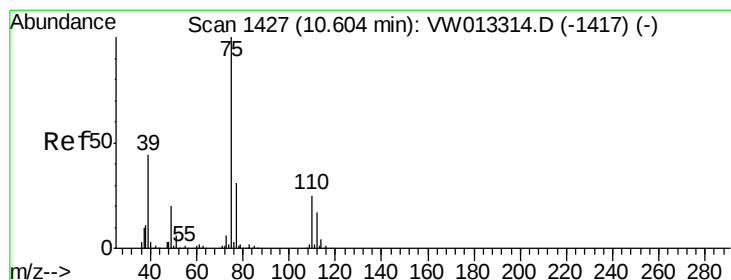
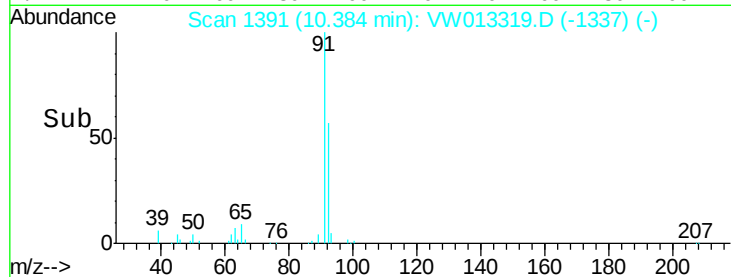
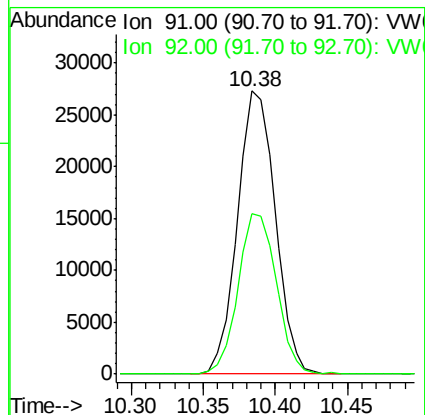
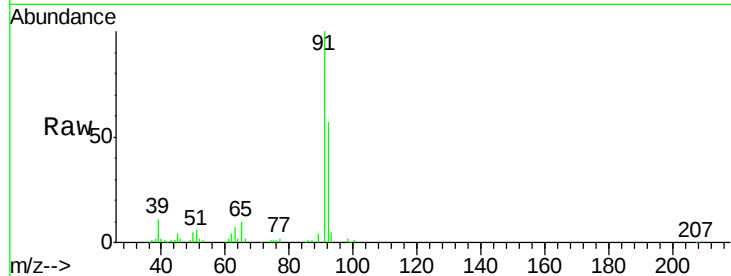
MDL04

Tot Ion: 91 Resp: 49888

Ion Ratio Lower Upper

91 100

92 56.6 41.5 77.1



#45

trans-1,3-Dichloropropene

Concen: 2.007 ug/L m

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013319.D

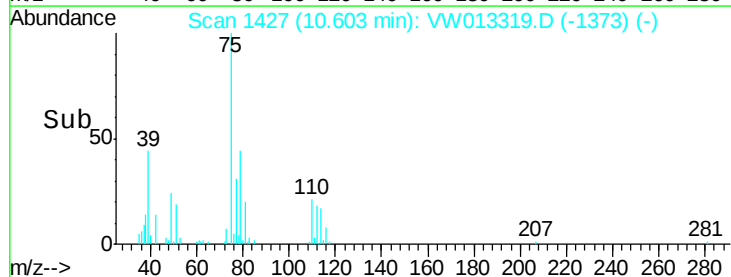
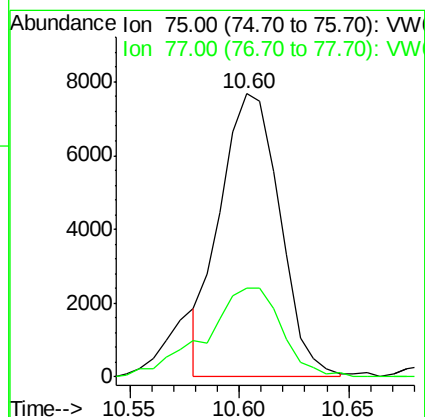
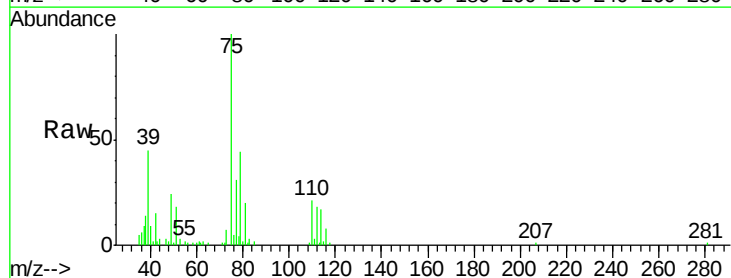
Acq: 27 Sep 2019 12:48

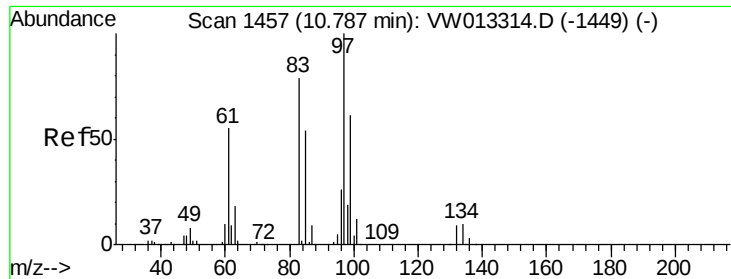
Tgt Ion: 75 Resp: 14527

Ion Ratio Lower Upper

75 100

77 31.2 20.5 38.1

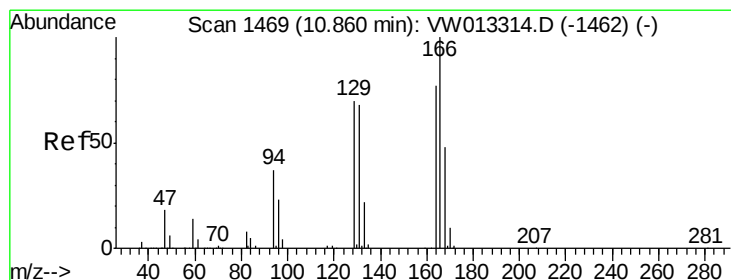
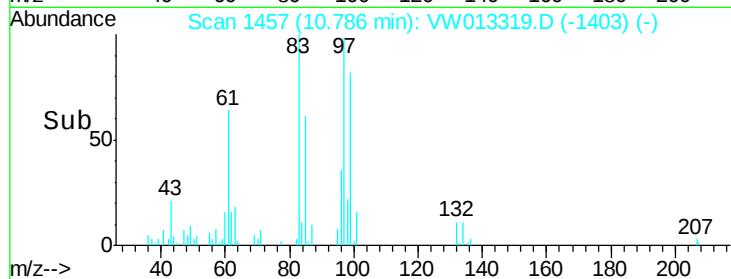
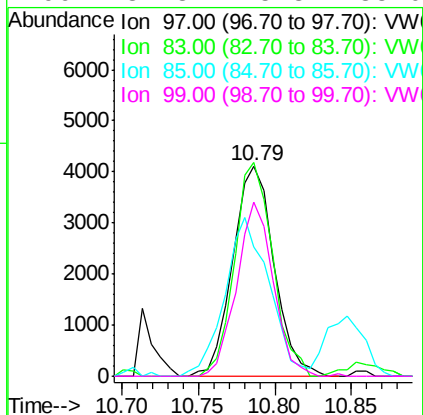
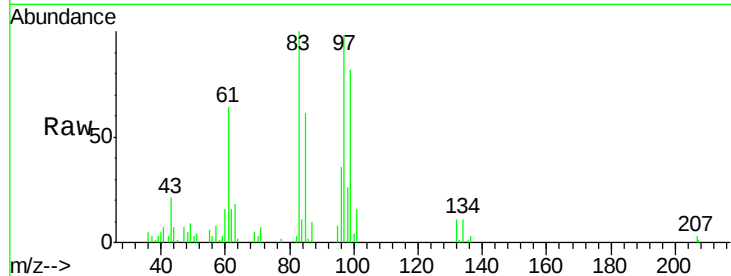




#46
1,1,2-Trichloroethane
Concen: 1.746 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW013319.D
Acq: 27 Sep 2019 12:48

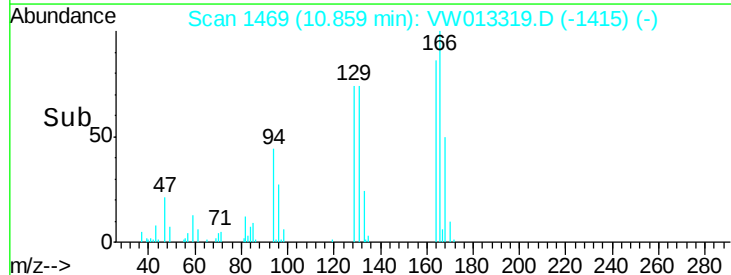
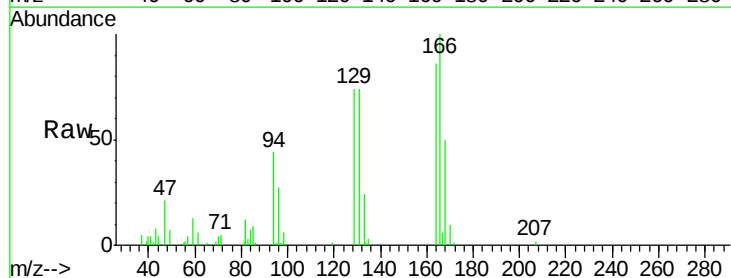
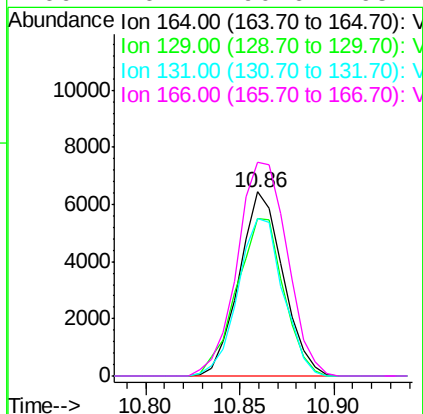
Instrument :
MSVOA_W
ClientSampleId :
MDL04

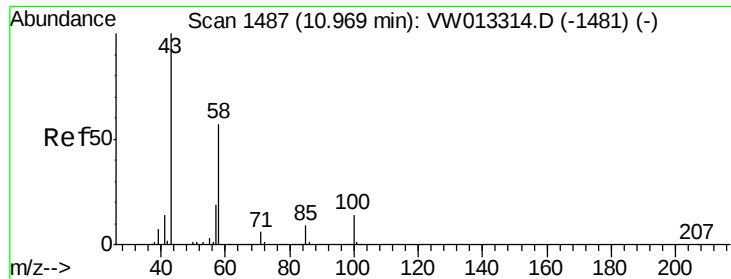
Tot Ion: 97 Resp: 7710
Ion Ratio Lower Upper
97 100
83 101.5 59.4 110.2
85 61.7 38.7 71.9
99 82.8 45.8 85.0



#47
Tetrachloroethene
Concen: 1.928 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013319.D
Acq: 27 Sep 2019 12:48

Tgt Ion: 164 Resp: 10441
Ion Ratio Lower Upper
164 100
129 85.7 60.5 112.5
131 85.5 60.6 112.6
166 116.1 90.6 168.2

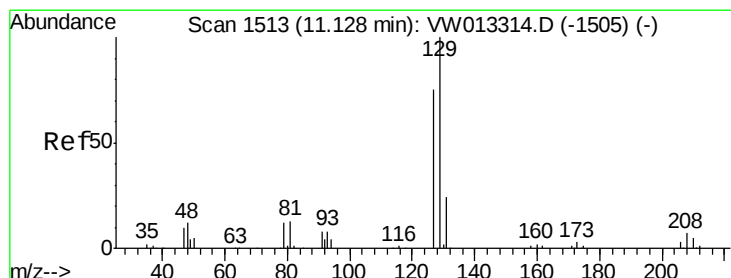
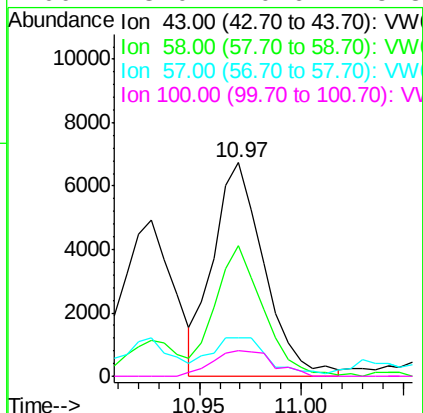
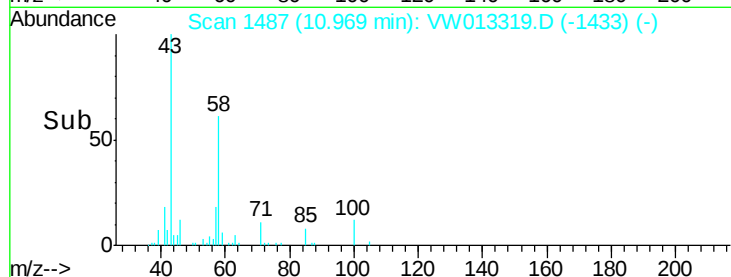
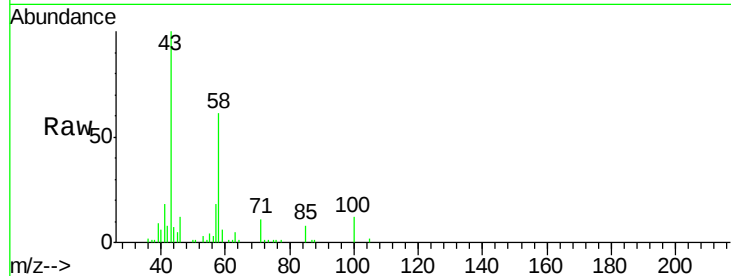




#49
2-Hexanone
Concen: 3.771 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013319.D
Acq: 27 Sep 2019 12:48

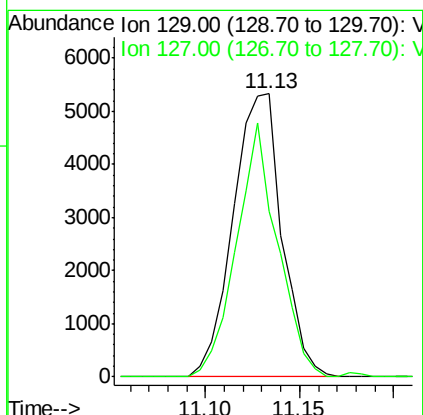
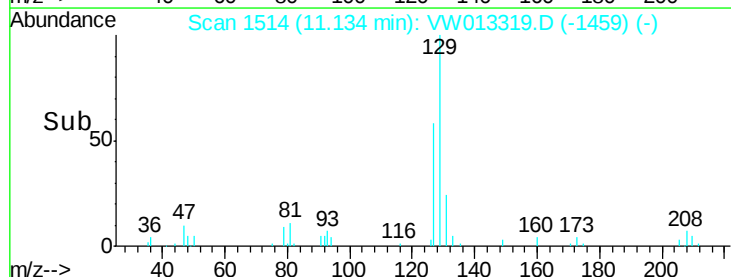
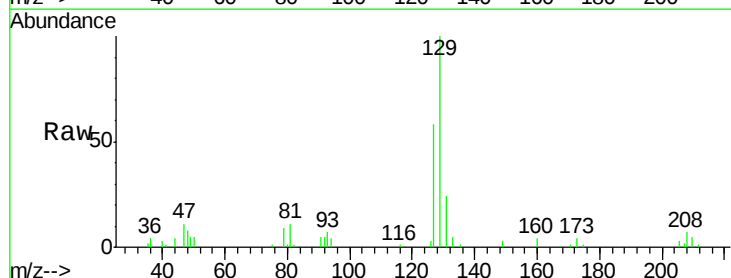
Instrument :
MSVOA_W
ClientSampled :
MDL04

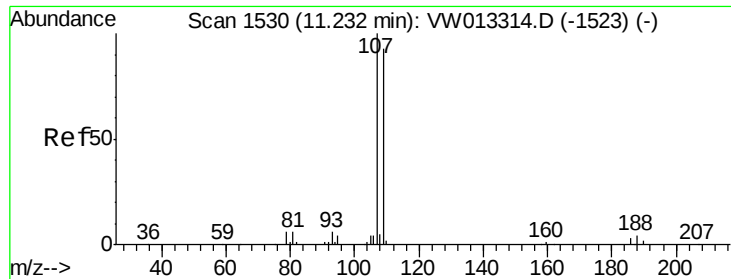
Tot Ion	43	Resp	11698
Ion Ratio	Lower	Upper	
43	100		
58	57.3	44.3	66.5
57	21.2	15.3	22.9
100	13.0	10.6	15.8



#50
Dibromochloromethane
Concen: 1.895 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW013319.D
Acq: 27 Sep 2019 12:48

Tgt Ion	129	Resp	9600
Ion Ratio	Lower	Upper	
129	100		
127	58.3	56.1	104.1

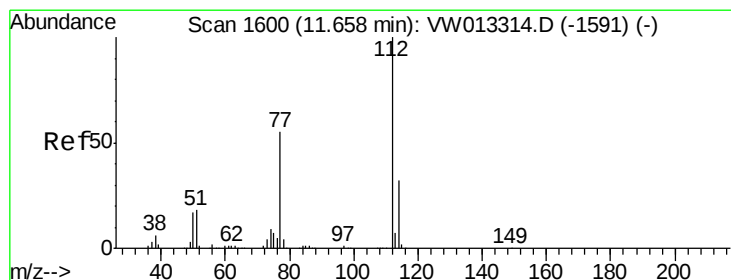
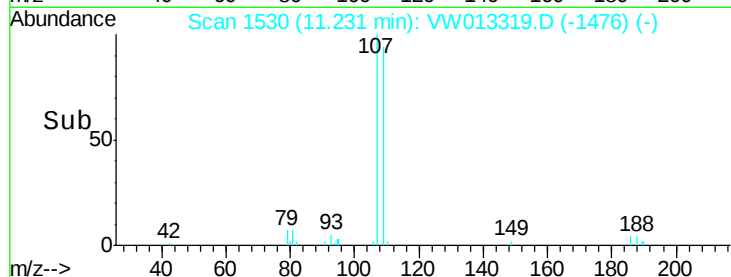
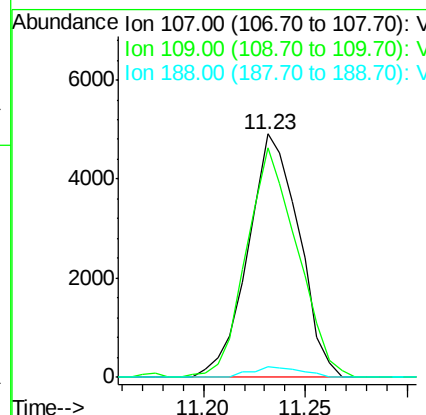
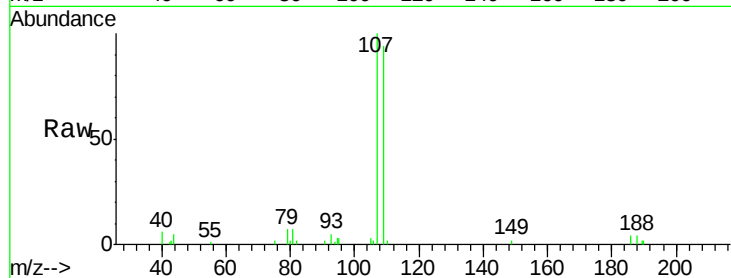




#51
1,2-Dibromoethane
Concen: 1.959 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW013319.D
Acq: 27 Sep 2019 12:48

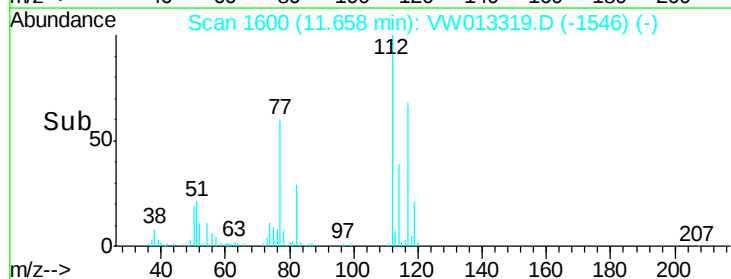
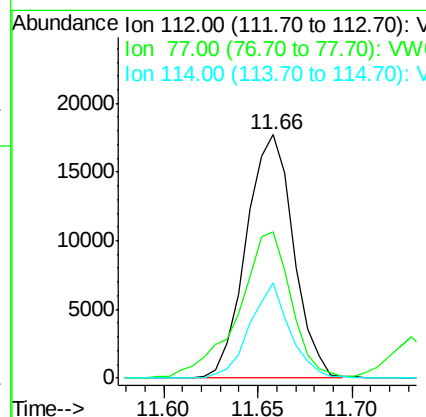
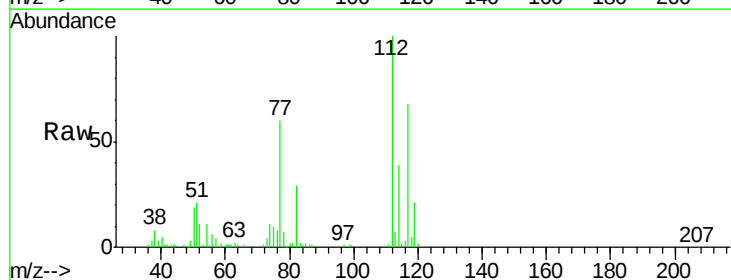
Instrument :
MSVOA_W
ClientSampleId :
MDL04

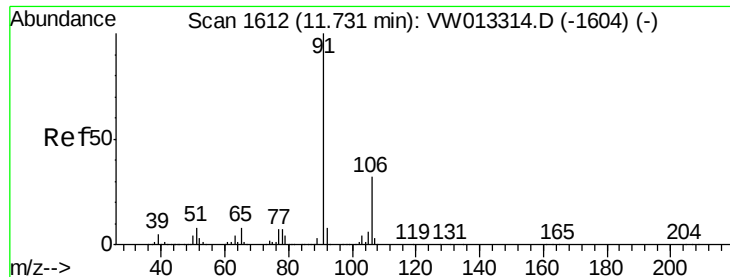
Tot Ion:107 Resp: 8500
Ion Ratio Lower Upper
107 100
109 94.1 65.5 121.6
188 4.3 3.0 4.6



#52
Chlorobenzene
Concen: 1.960 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013319.D
Acq: 27 Sep 2019 12:48

Tgt Ion:112 Resp: 30805
Ion Ratio Lower Upper
112 100
77 59.9 46.5 69.7
114 38.8 23.0 42.8

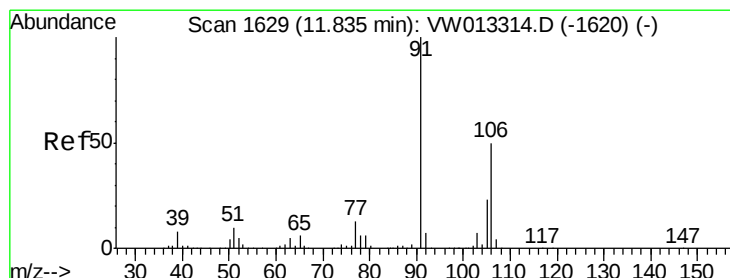
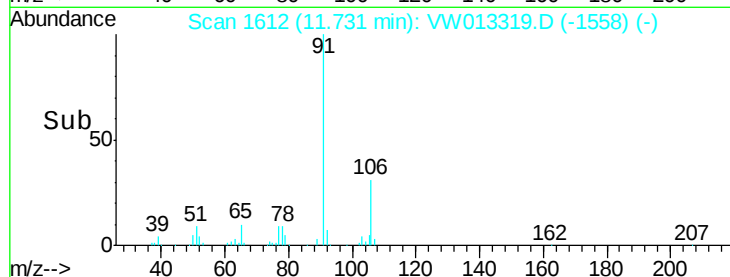
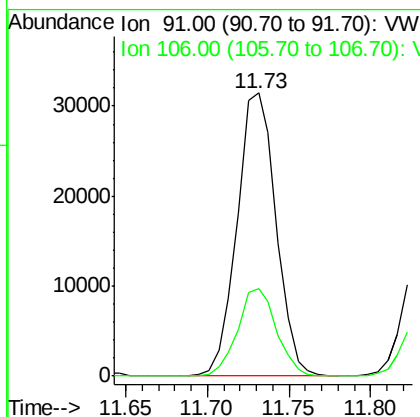
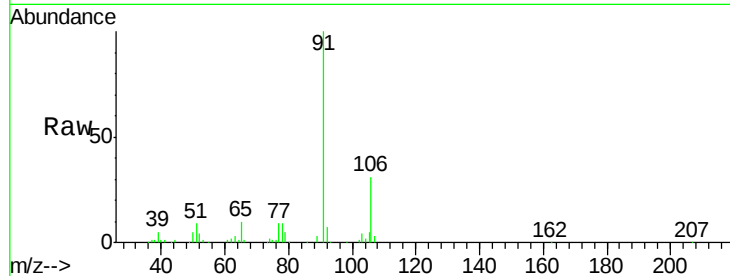




#53
Ethylbenzene
Concen: 1.896 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013319.D
Acq: 27 Sep 2019 12:48

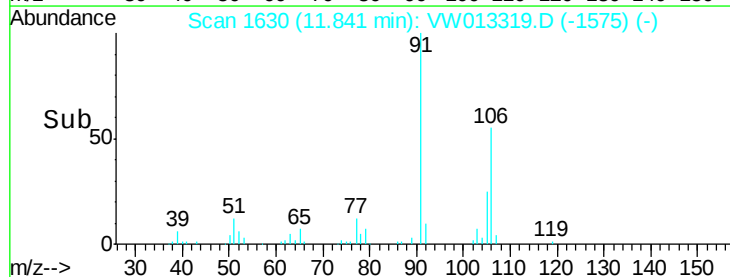
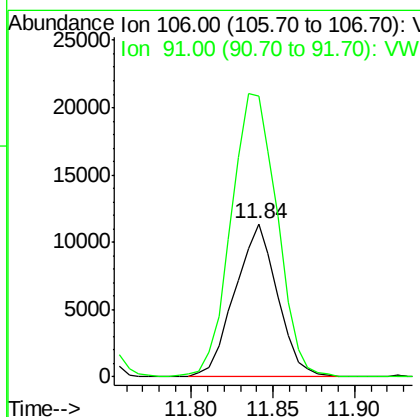
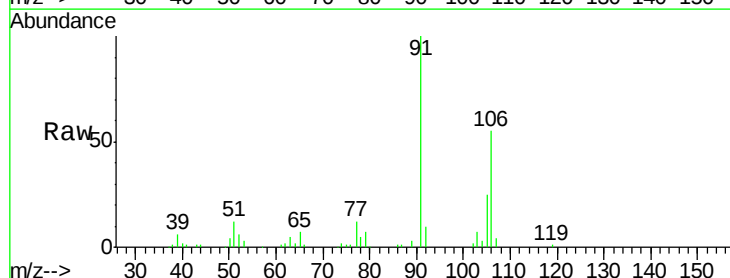
Instrument :
MSVOA_W
ClientSampled :
MDL04

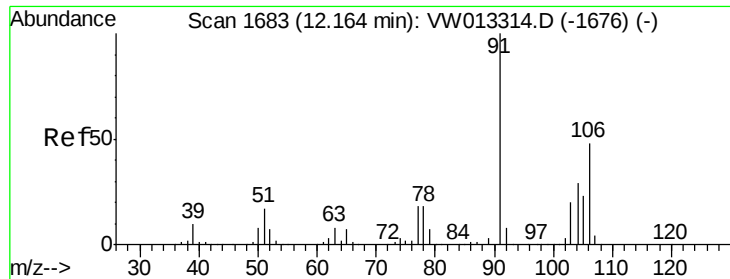
Tot Ion: 91 Resp: 52441
Ion Ratio Lower Upper
91 100
106 30.9 20.8 38.6



#54
m,p-Xylene
Concen: 1.942 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013319.D
Acq: 27 Sep 2019 12:48

Tgt Ion:106 Resp: 20615
Ion Ratio Lower Upper
106 100
91 183.3 138.3 256.9





#55

o-xylene

Concen: 1.886 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW013319.D

Acq: 27 Sep 2019 12:48

Instrument :

MSVOA_W

ClientSampled :

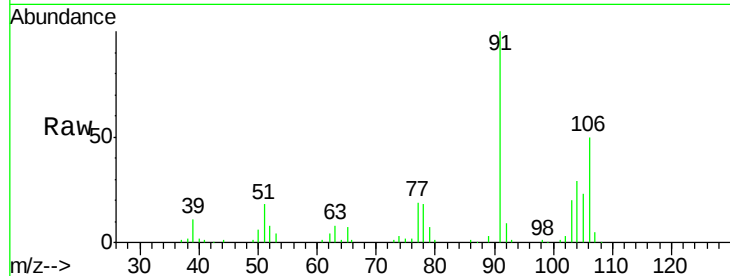
MDL04

Tot Ion:106 Resp: 18896

Ion Ratio Lower Upper

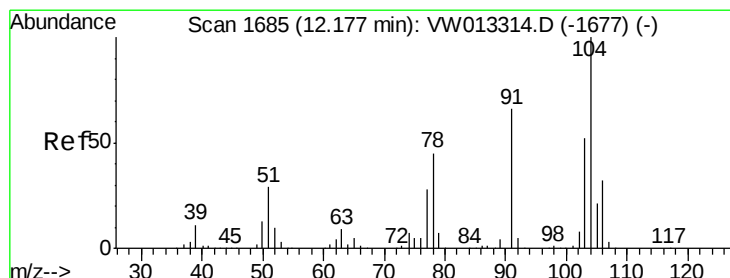
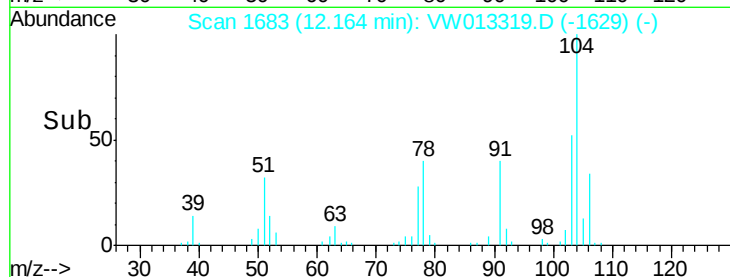
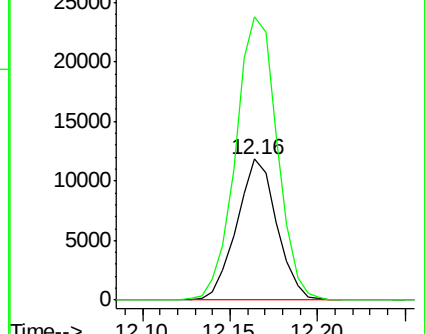
106 100

91 200.6 145.9 271.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 1.831 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW013319.D

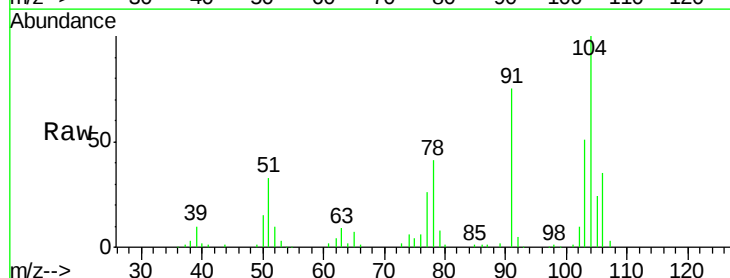
Acq: 27 Sep 2019 12:48

Tgt Ion:104 Resp: 31447

Ion Ratio Lower Upper

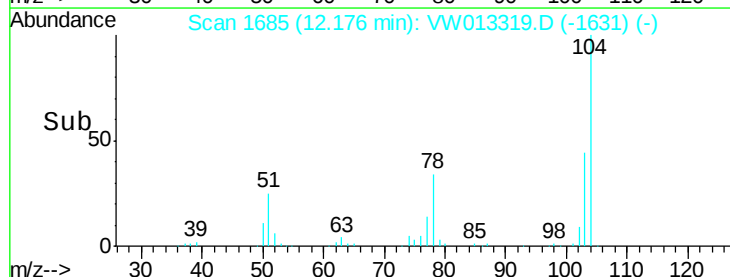
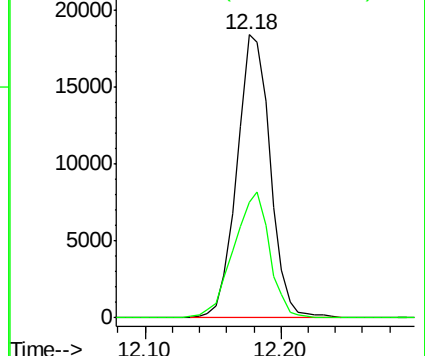
104 100

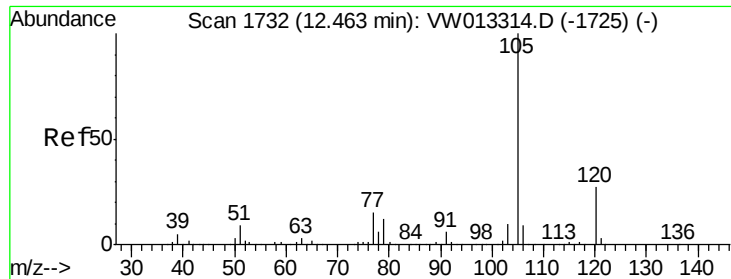
78 40.9 29.8 55.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 1.830 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013319.D

Acq: 27 Sep 2019 12:48

Instrument :

MSVOA_W

ClientSampled :

MDL04

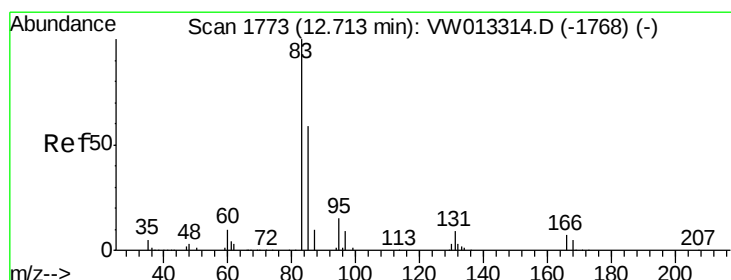
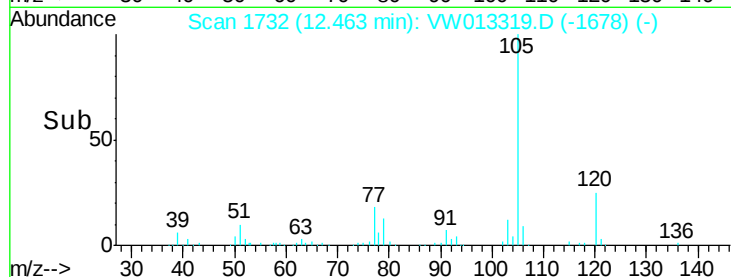
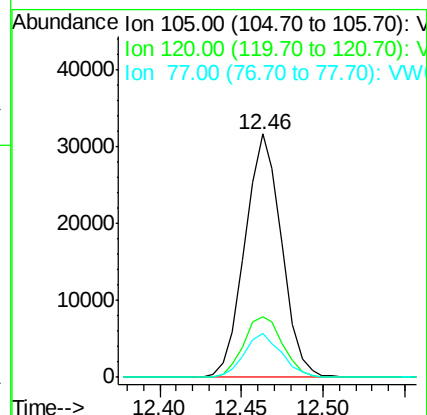
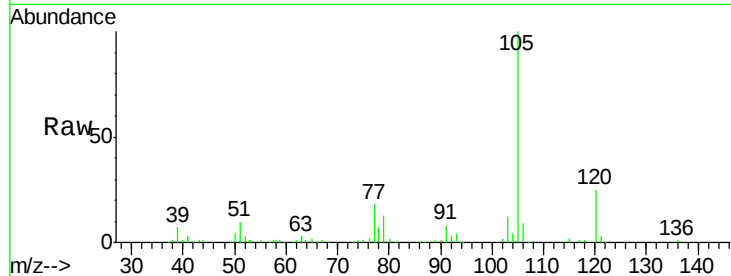
Tot Ion:105 Resp: 49581

Ion Ratio Lower Upper

105 100

120 26.2 21.4 32.2

77 18.3 11.8 17.6#



#58

1,1,2,2-Tetrachloroethane

Concen: 2.033 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013319.D

Acq: 27 Sep 2019 12:48

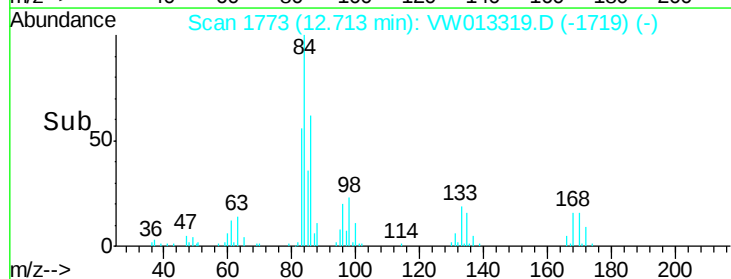
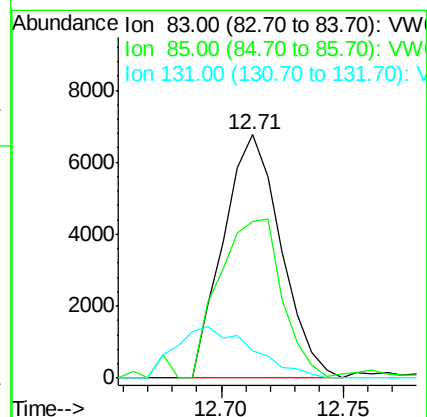
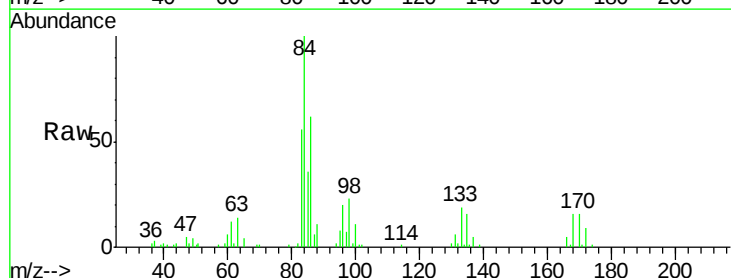
Tgt Ion: 83 Resp: 11061

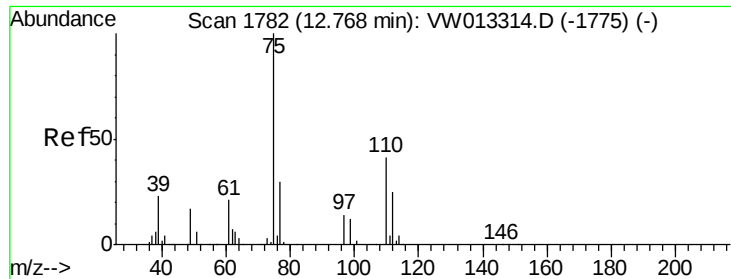
Ion Ratio Lower Upper

83 100

85 64.5 45.2 84.0

131 11.0 8.9 13.3

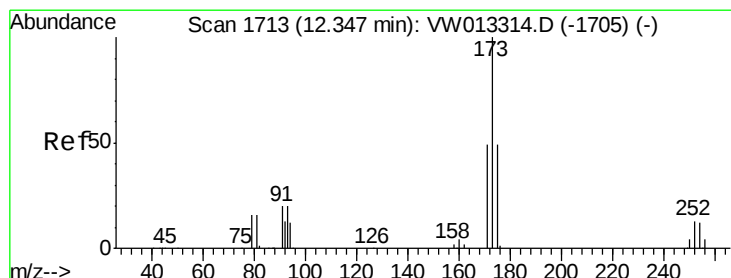
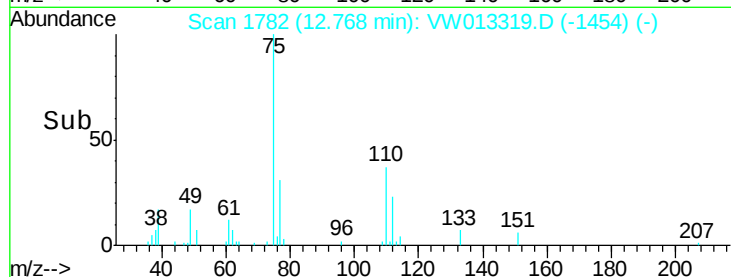
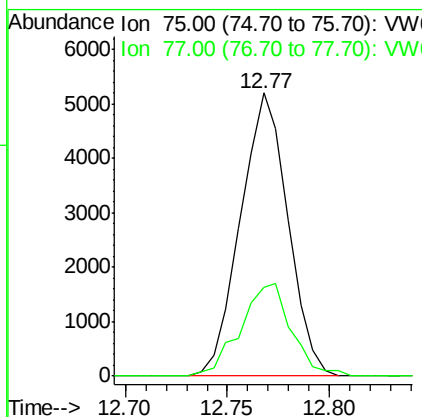
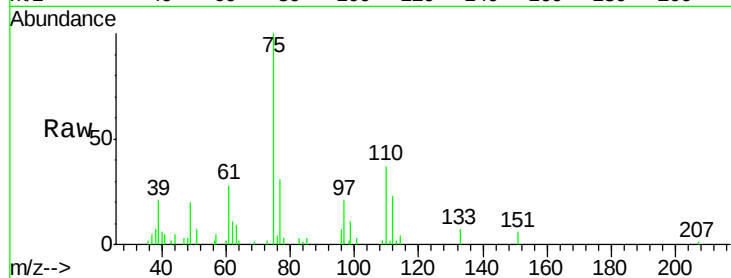




#59
 1,2,3-Trichloropropane
 Concen: 2.073 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013319.D
 Acq: 27 Sep 2019 12:48

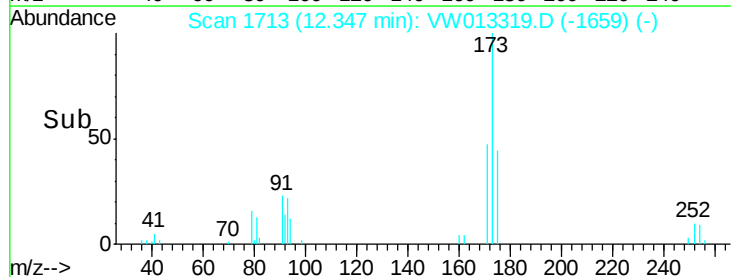
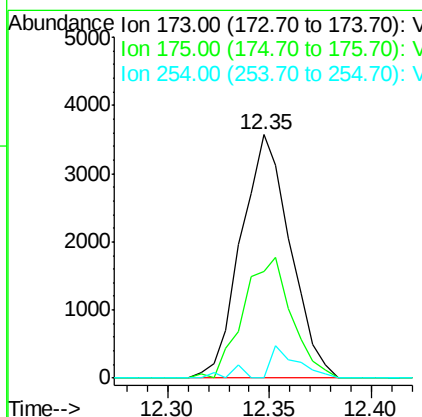
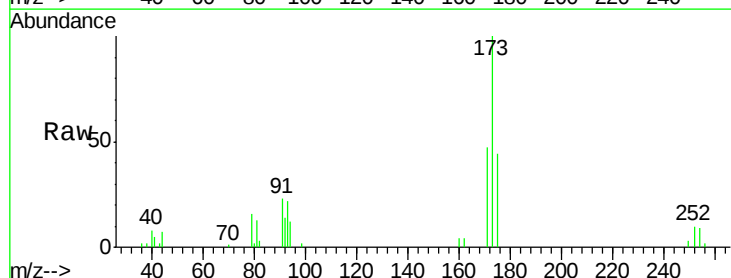
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

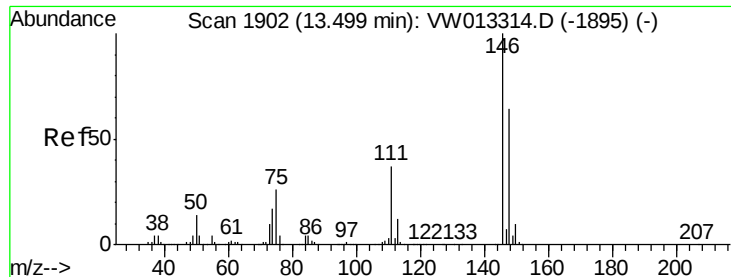
Tot Ion: 75 Resp: 8419
 Ion Ratio Lower Upper
 75 100
 77 34.5 25.8 38.8



#62
 Bromoform
 Concen: 1.878 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW013319.D
 Acq: 27 Sep 2019 12:48

Tgt Ion: 173 Resp: 5976
 Ion Ratio Lower Upper
 173 100
 175 48.3 39.3 58.9
 254 7.0 9.1 13.7#

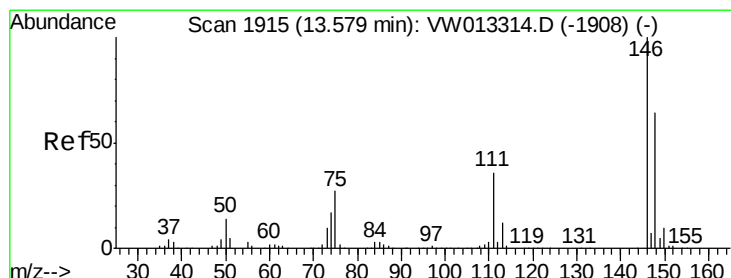
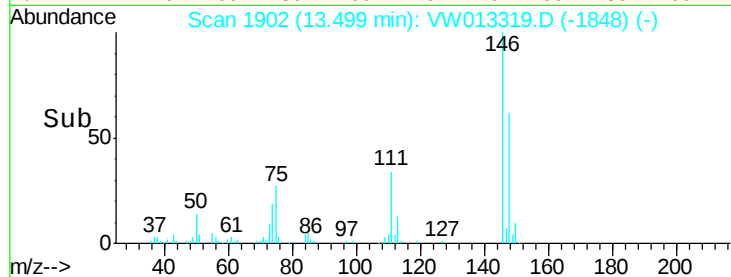
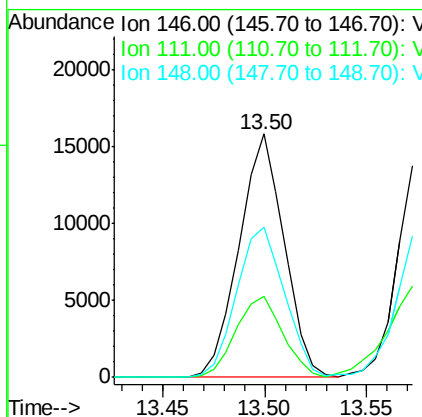
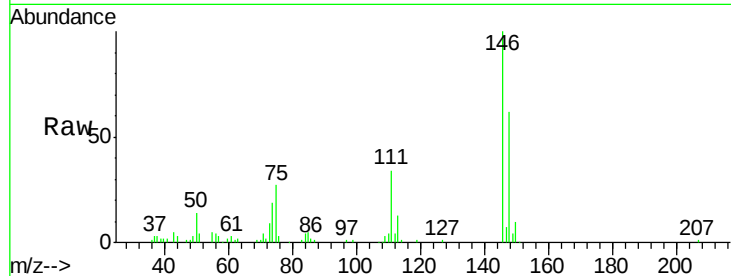




#63
 1,3-Dichlorobenzene
 Concen: 1.956 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013319.D
 Acq: 27 Sep 2019 12:48

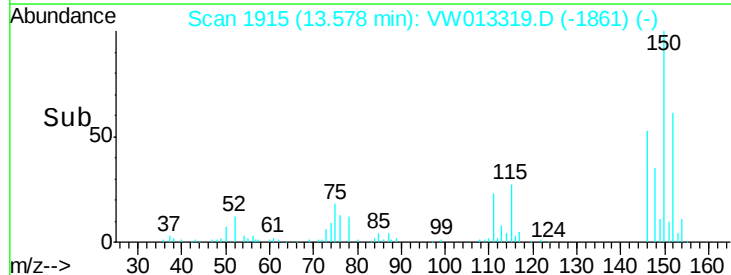
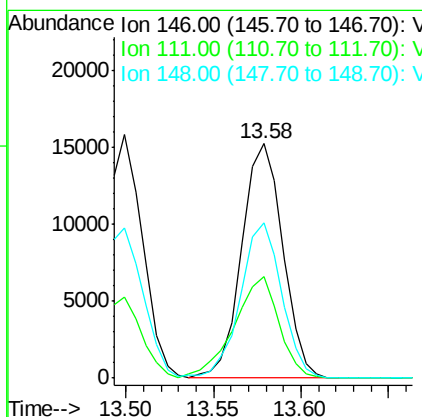
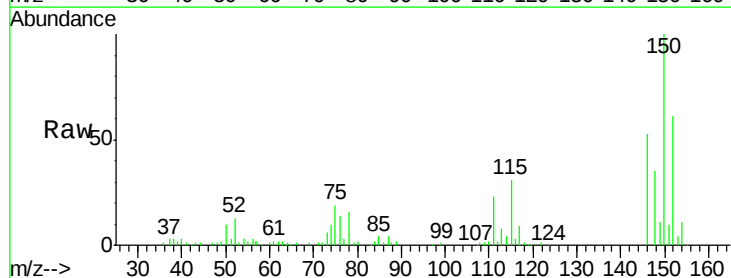
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

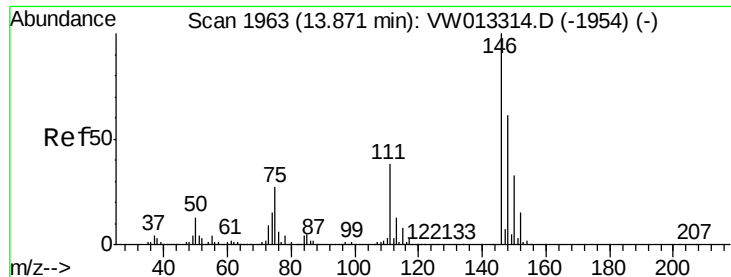
Tot Ion:146 Resp: 24201
 Ion Ratio Lower Upper
 146 100
 111 33.5 26.7 49.5
 148 61.8 45.0 83.6



#64
 1,4-Dichlorobenzene
 Concen: 1.992 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013319.D
 Acq: 27 Sep 2019 12:48

Tgt Ion:146 Resp: 24904
 Ion Ratio Lower Upper
 146 100
 111 43.3 24.2 45.0
 148 66.4 45.1 83.7





#65

1,2-Dichlorobenzene

Concen: 2.053 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013319.D

Acq: 27 Sep 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

MDL04

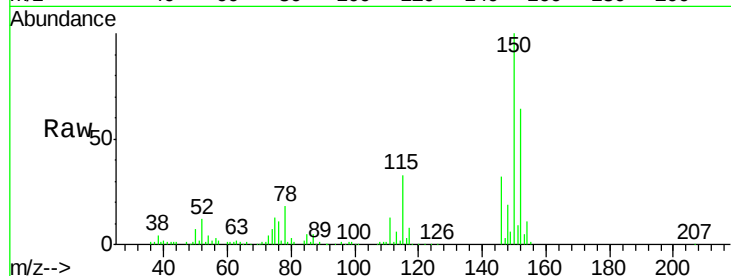
Tot Ion:146 Resp: 23113

Ion Ratio Lower Upper

146 100

111 41.6 30.8 46.2

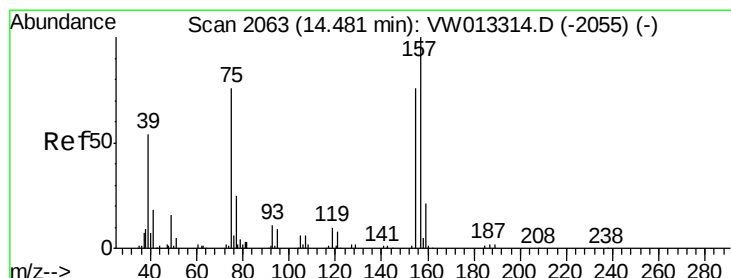
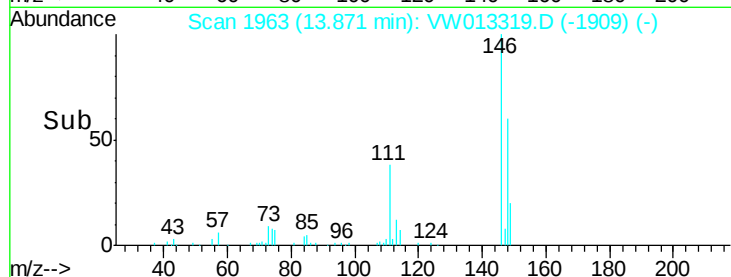
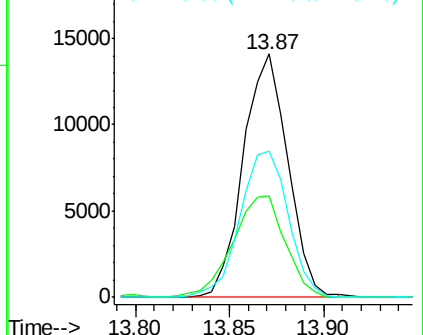
148 60.1 52.5 78.7



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: 2.043 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW013319.D

Acq: 27 Sep 2019 12:48

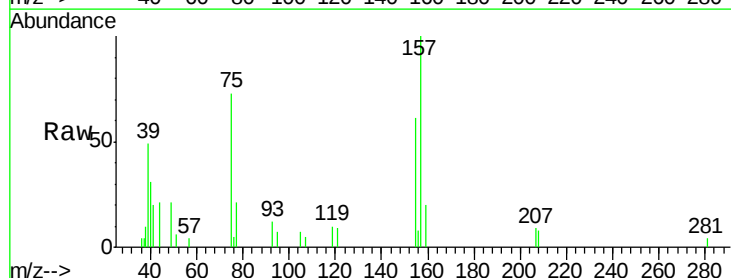
Tgt Ion: 75 Resp: 1812

Ion Ratio Lower Upper

75 100

157 137.4 97.8 146.8

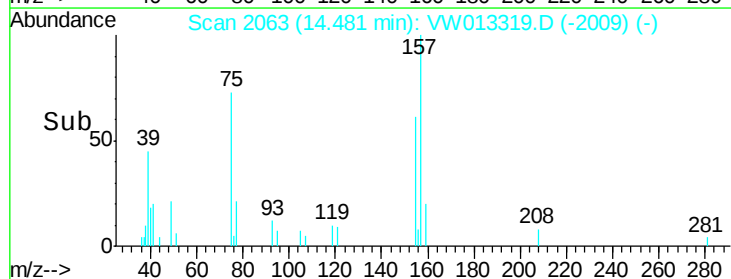
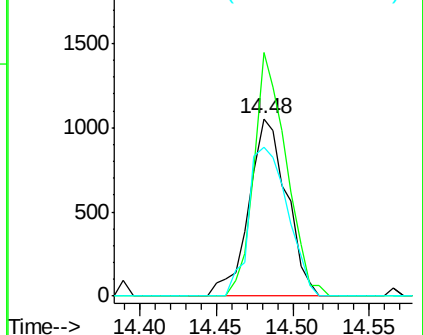
155 84.3 78.4 117.6

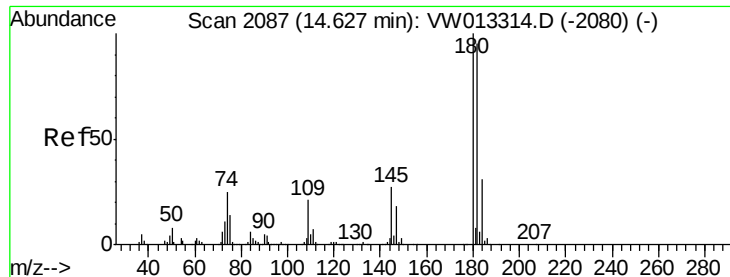


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

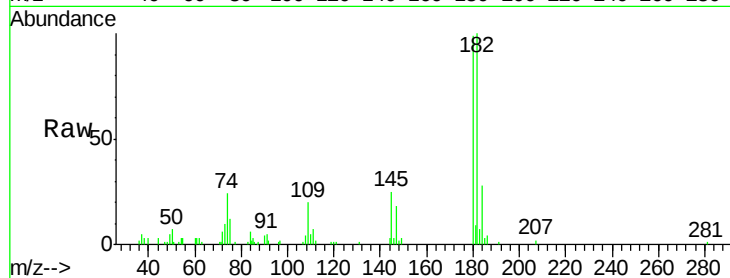




#67
 1,3,5-Trichlorobenzene
 Concen: 1.804 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013319.D
 Acq: 27 Sep 2019 12:48

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Tot Ion	180	Resp	17184
Ion Ratio	Lower	Upper	
180	100		
182	102.3	76.4	114.6
184	30.5	23.9	35.9
145	28.1	21.7	32.5

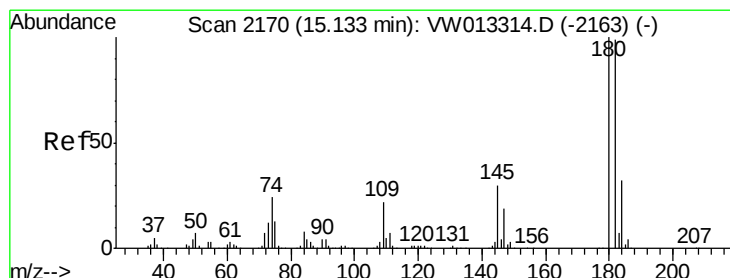
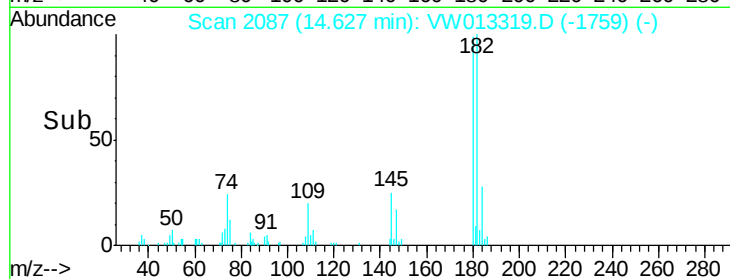
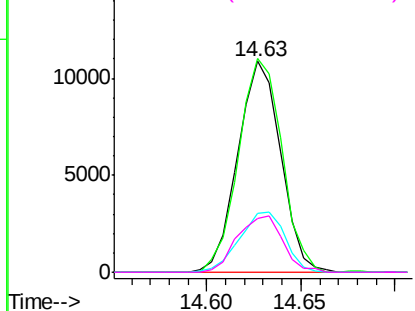


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

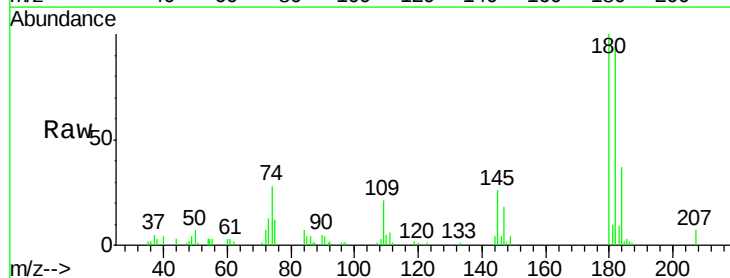
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 1.625 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013319.D
 Acq: 27 Sep 2019 12:48

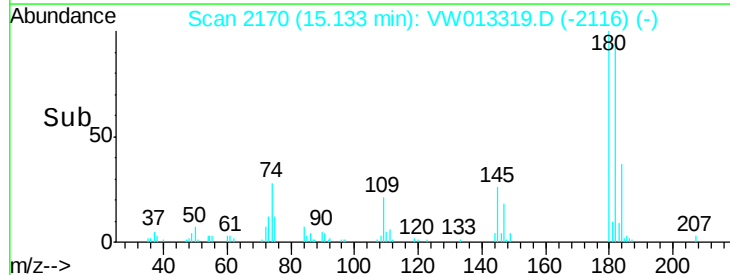
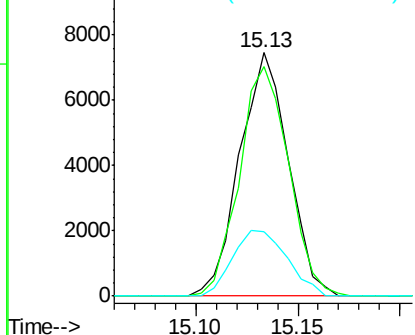
Tgt Ion	180	Resp	12357
Ion Ratio	Lower	Upper	
180	100		
182	95.4	75.9	113.9
145	30.1	23.0	34.4

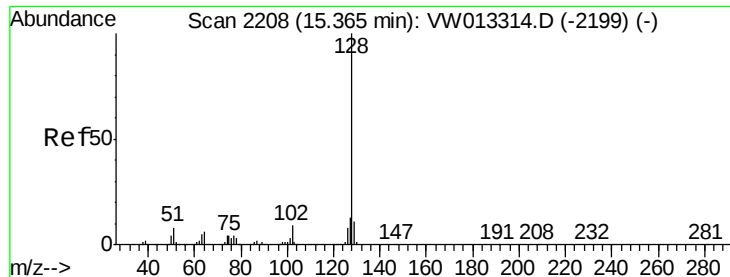


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 1.474 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW013319.D

Acq: 27 Sep 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

MDL04

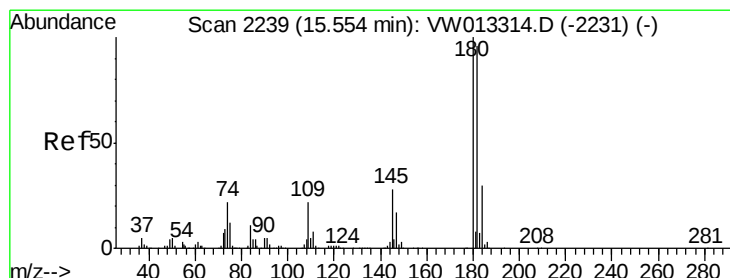
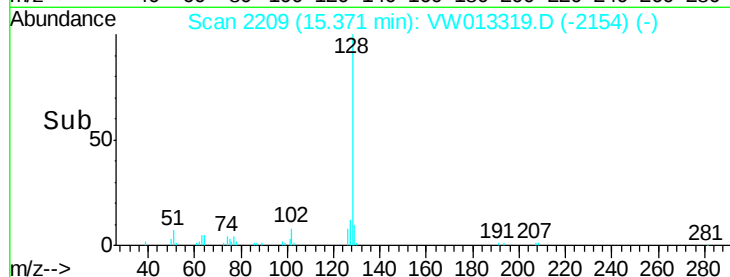
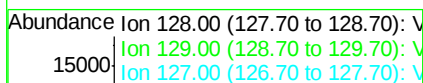
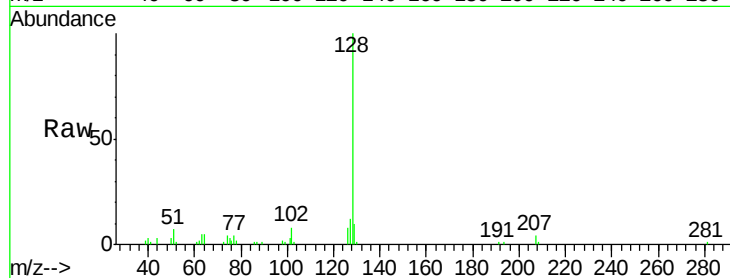
Tot Ion:128 Resp: 21418

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

127 13.2 10.6 15.8



#70

1,2,3-Trichlorobenzene

Concen: 1.717 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013319.D

Acq: 27 Sep 2019 12:48

Tgt Ion:180 Resp: 11874

Ion Ratio Lower Upper

180 100

182 93.9 78.2 117.4

145 31.4 24.1 36.1

