

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092719\
 Data File : VW013321.D
 Acq On : 27 Sep 2019 14:26
 Operator : SY/VA
 Sample : MDL06
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Quant Time: Sep 28 04:28:21 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	476640	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	423810	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	210406	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	132786	23.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.44%
7) Chloroethane-d5	2.89	69	105808	23.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.76%
10) 1,1-Dichloroethene-d2	4.02	63	205596	18.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.48%
20) 2-Butanone-d5	7.07	46	99795	50.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.60%
24) Chloroform-d	7.65	84	255004	23.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.92%
26) 1,2-Dichloroethane-d4	8.31	65	145319	25.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.12%
29) Benzene-d6	8.27	84	559113	24.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.20%
33) 1,2-Dichloropropane-d6	9.27	67	168232	24.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.12%
37) Toluene-d8	10.32	98	525970	24.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.08%
38) trans-1,3-Dichloropropene-	10.58	79	75326	24.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.80%
39) 2-Hexanone-d5	10.93	63	77881	51.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	145705	25.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	190205	25.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	4060m	1.361	ug/L	
3) Chloromethane	2.21	50	7810	1.954	ug/L	84
5) Vinyl chloride	2.36	62	10292	1.862	ug/L #	67
6) Bromomethane	2.77	94	6562	1.867	ug/L	98
8) Chloroethane	2.92	64	6221	1.855	ug/L	94
9) Trichlorofluoromethane	3.26	101	5213	1.522	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	12589	2.325	ug/L #	78
12) 1,1-Dichloroethene	4.04	96	11669	2.124	ug/L #	1
13) Acetone	4.13	43	11250m	6.881	ug/L	
14) Carbon disulfide	4.38	76	28842	1.849	ug/L	100
15) Methyl Acetate	4.68	43	6325m	2.005	ug/L	
16) Methylene chloride	4.92	84	20907	2.936	ug/L	95
17) Methyl tert-butyl Ether	5.42	73	19720	2.075	ug/L #	80
18) trans-1,2-Dichloroethene	5.42	96	11595	1.974	ug/L	90
19) 1,1-Dichloroethane	6.21	63	21087	2.046	ug/L	93
21) 2-Butanone	7.17	43	12026m	5.107	ug/L	
22) cis-1,2-Dichloroethene	7.17	96	13221	2.065	ug/L	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092719\
 Data File : VW013321.D
 Acq On : 27 Sep 2019 14:26
 Operator : SY/VA
 Sample : MDL06
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Quant Time: Sep 28 04:28:21 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)

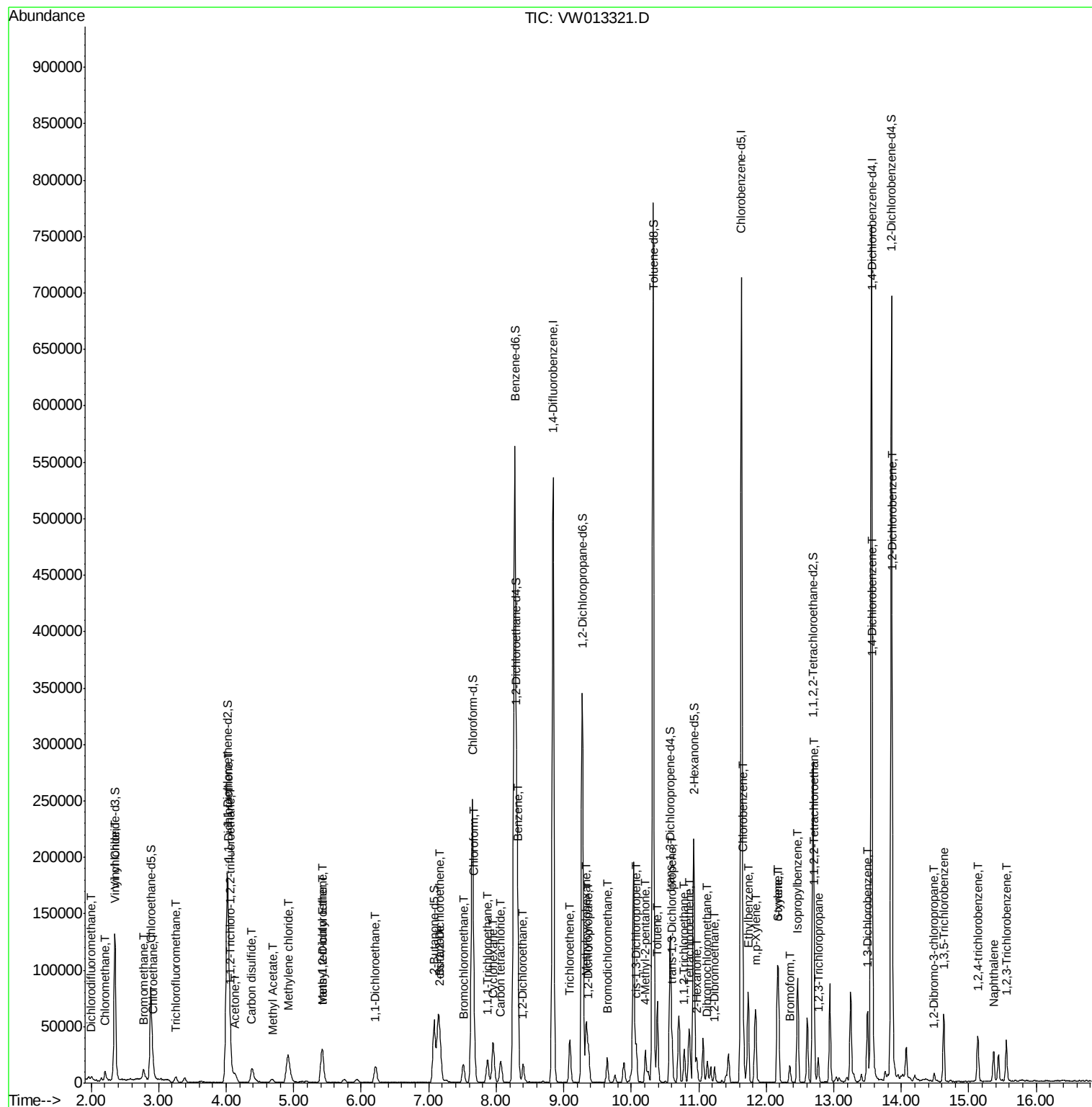
23) Bromochloromethane	7.51	128	5792	2.011	ug/L	97
25) Chloroform	7.67	83	21265	2.100	ug/L	92
27) 1,2-Dichloroethane	8.40	62	13817	2.083	ug/L #	89
30) Cyclohexane	7.95	56	19038	1.870	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	15723	1.933	ug/L #	87
32) Carbon tetrachloride	8.07	117	14919	1.924	ug/L	98
34) Benzene	8.32	78	48293	2.033	ug/L	100
35) Trichloroethene	9.09	95	13048	2.090	ug/L	99
36) Methylcyclohexane	9.34	83	20792	1.870	ug/L	95
40) 1,2-Dichloropropane	9.37	63	12406	2.122	ug/L	98
41) Bromodichloromethane	9.65	83	14543	2.028	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	18039	1.932	ug/L	94
43) 4-Methyl-2-pentanone	10.21	43	21516	4.808	ug/L	95
44) Toluene	10.38	91	53347	2.062	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	17205m	2.292	ug/L	
46) 1,1,2-Trichloroethane	10.79	97	10017	2.187	ug/L	95
47) Tetrachloroethene	10.86	164	11176	1.990	ug/L	96
49) 2-Hexanone	10.97	43	11880	3.693	ug/L #	90
50) Dibromochloromethane	11.13	129	10694	2.036	ug/L	99
51) 1,2-Dibromoethane	11.24	107	9490	2.109	ug/L #	94
52) Chlorobenzene	11.66	112	34211	2.099	ug/L	99
53) Ethylbenzene	11.73	91	56335	1.965	ug/L	98
54) m,p-Xylene	11.84	106	21847	1.984	ug/L	89
55) o-xylene	12.16	106	19899	1.915	ug/L	90
56) Styrene	12.18	104	33753	1.895	ug/L	98
57) Isopropylbenzene	12.46	105	54760	1.949	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	12139	2.151	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	9204	2.186	ug/L	99
62) Bromoform	12.35	173	6643	1.996	ug/L #	96
63) 1,3-Dichlorobenzene	13.50	146	26865	2.075	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	27256	2.083	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	24547	2.084	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	1673	1.803	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	19524	1.959	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	14103	1.772	ug/L	99
69) Naphthalene	15.37	128	23070	1.518	ug/L	98
70) 1,2,3-Trichlorobenzene	15.56	180	13120	1.813	ug/L	97

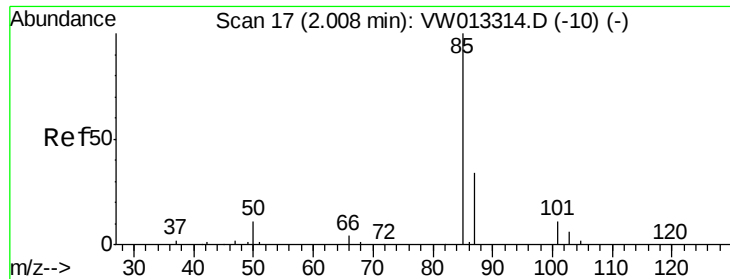
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092719\
Data File : VW013321.D
Acq On : 27 Sep 2019 14:26
Operator : SY/VA
Sample : MDL06
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL06

Quant Time: Sep 28 04:28:21 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



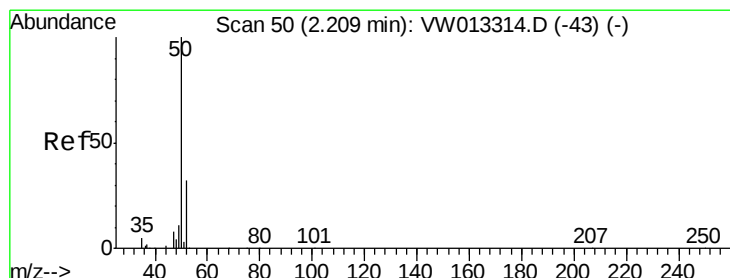
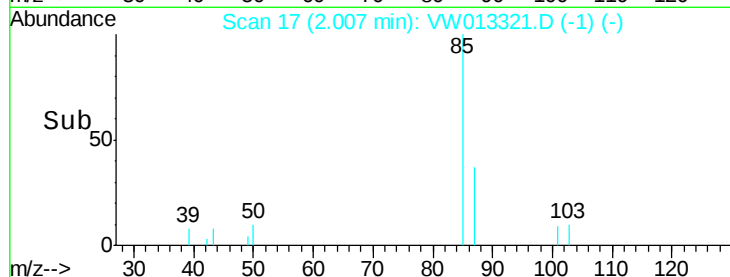
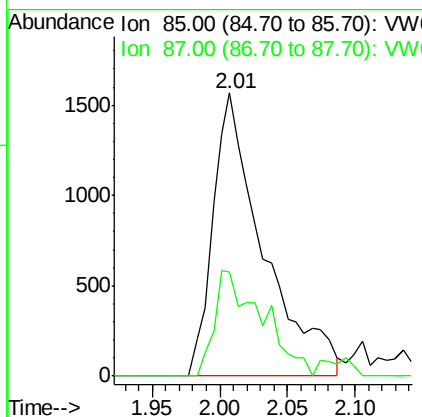
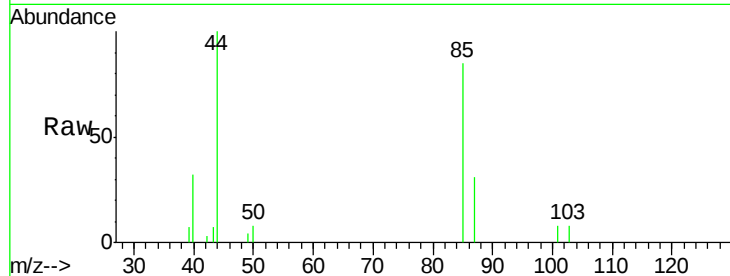


#2

Dichlorodifluoromethane
Concen: 1.361 ug/L m
RT: 2.01 min Scan# 17
Delta R.T. -0.00 min
Lab File: VW013321.D
Acq: 27 Sep 2019 14:26

Instrument :
MSVOA_W
ClientSampleId :
MDL06

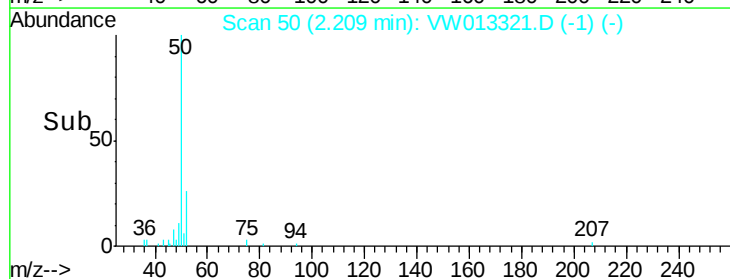
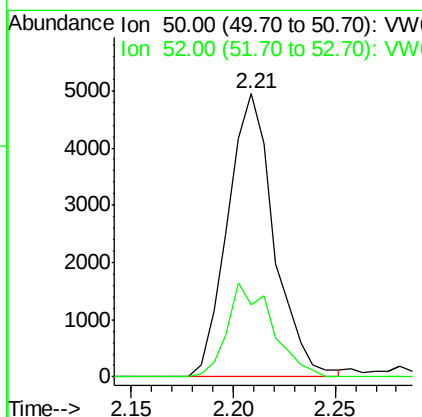
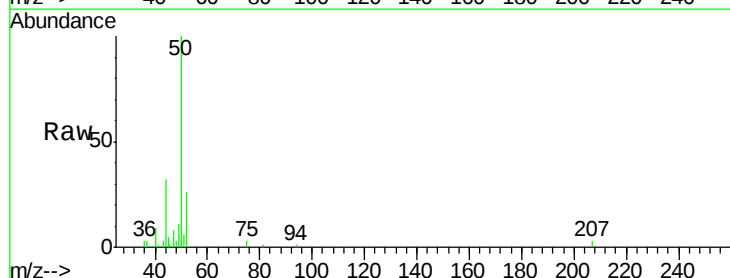
Tot Ion: 85 Resp: 4060
Ion Ratio Lower Upper
85 100
87 17.4 21.3 39.6#

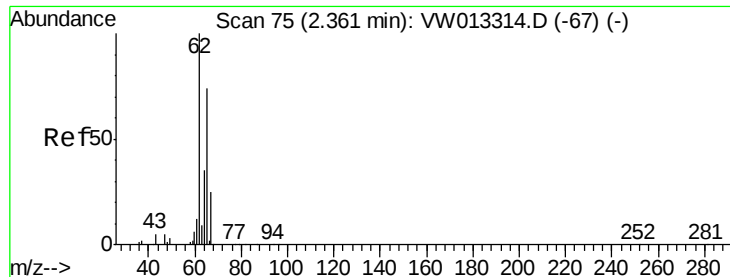


#3

Chloromethane
Concen: 1.954 ug/L
RT: 2.21 min Scan# 50
Delta R.T. -0.00 min
Lab File: VW013321.D
Acq: 27 Sep 2019 14:26

Tgt Ion: 50 Resp: 7810
Ion Ratio Lower Upper
50 100
52 25.5 24.4 45.4





#5

Vinyl chloride

Concen: 1.862 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

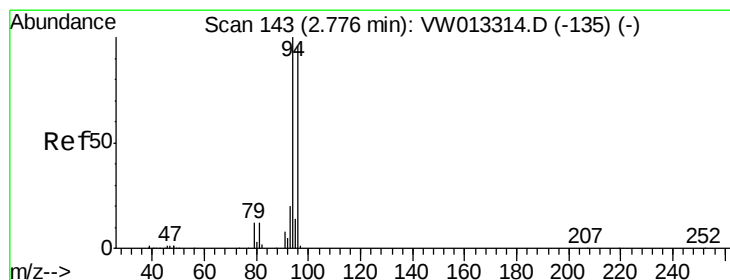
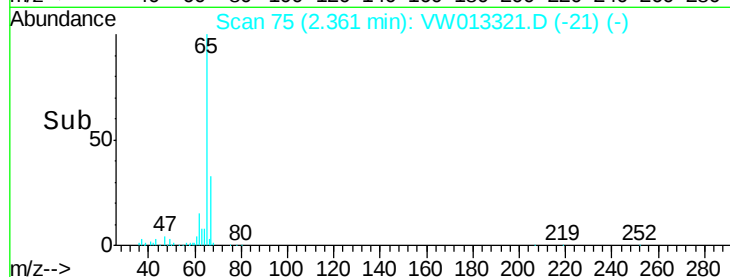
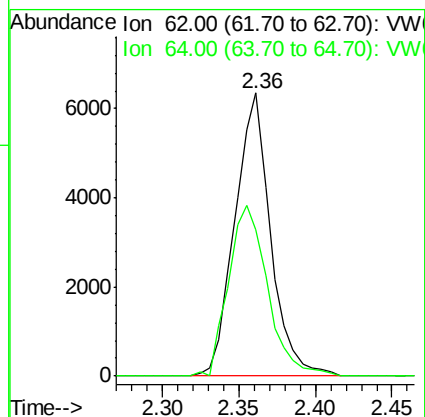
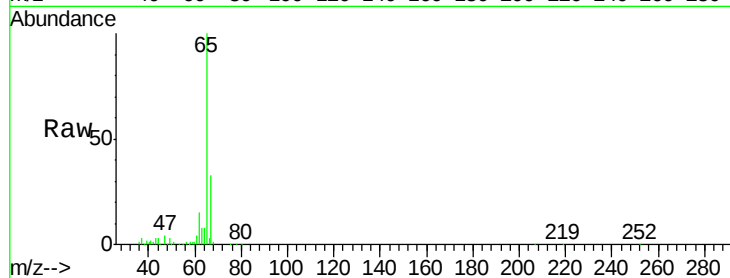
MDL06

Tot Ion: 62 Resp: 10292

Ion Ratio Lower Upper

62 100

64 51.7 23.2 43.0#



#6

Bromomethane

Concen: 1.867 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013321.D

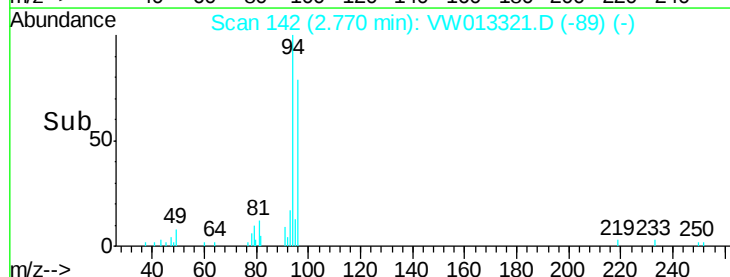
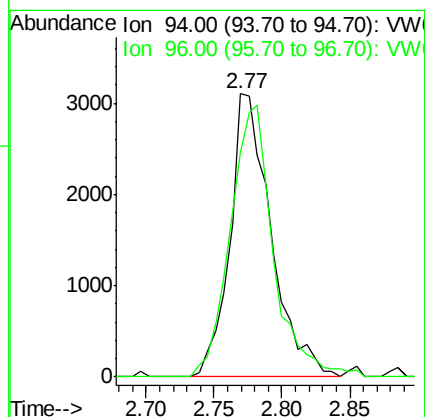
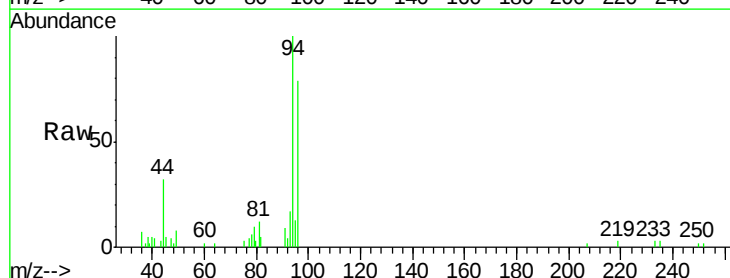
Acq: 27 Sep 2019 14:26

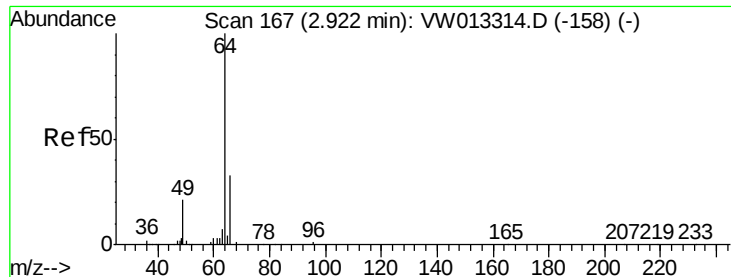
Tgt Ion: 94 Resp: 6562

Ion Ratio Lower Upper

94 100

96 99.1 9.7 184.3





#8

Chloroethane

Concen: 1.855 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampled :

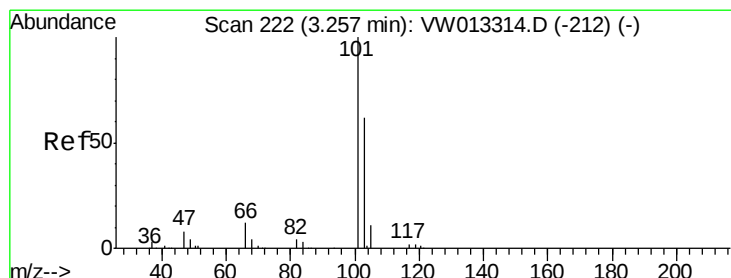
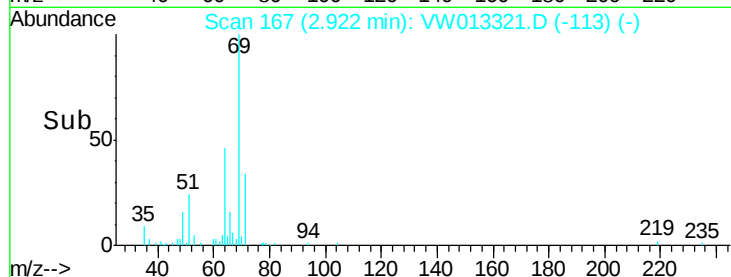
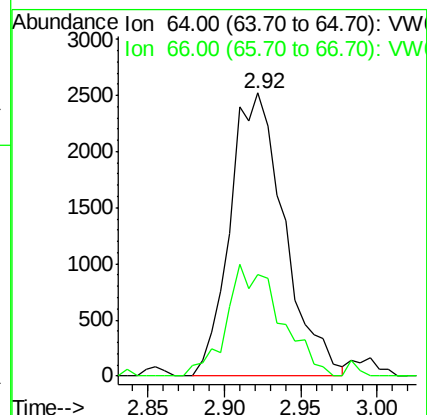
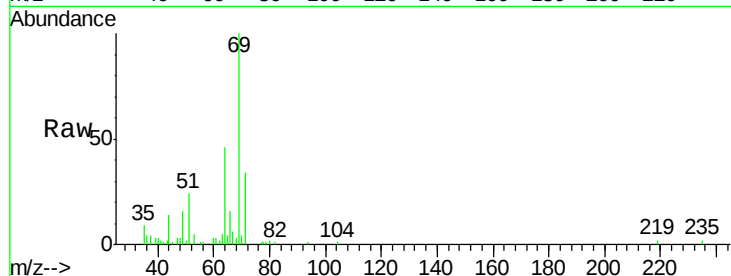
MDL06

Tot Ion: 64 Resp: 6221

Ion Ratio Lower Upper

64 100

66 35.8 22.7 42.1



#9

Trichlorofluoromethane

Concen: 1.522 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW013321.D

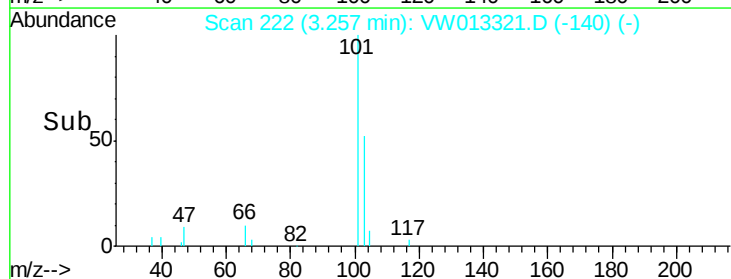
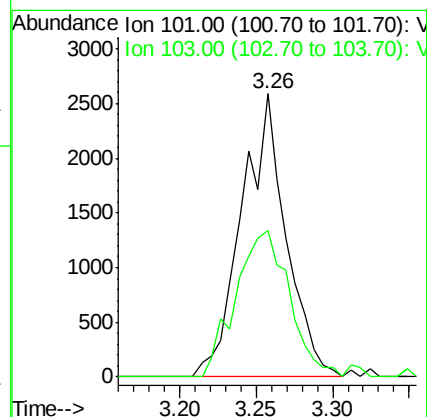
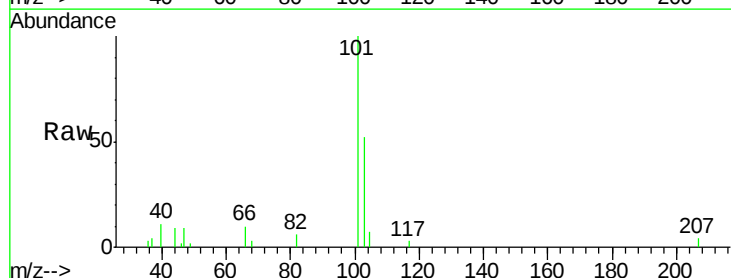
Acq: 27 Sep 2019 14:26

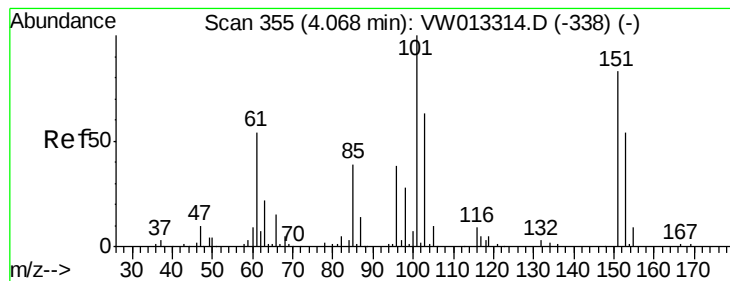
Tgt Ion: 101 Resp: 5213

Ion Ratio Lower Upper

101 100

103 62.4 45.2 84.0





#11

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

Concen: 2.325 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

MDL06

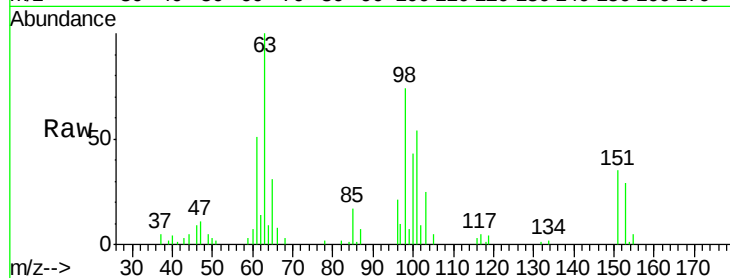
Tot Ion:101 Resp: 12589

Ion Ratio Lower Upper

101 100

85 25.2 31.8 47.8#

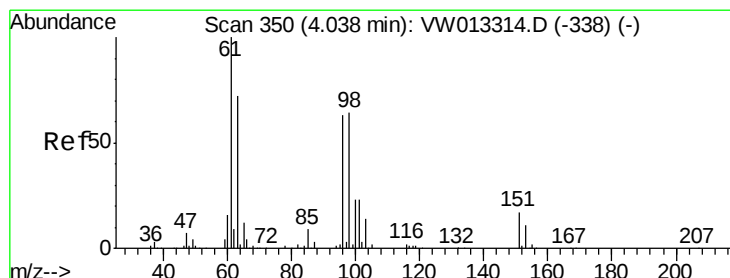
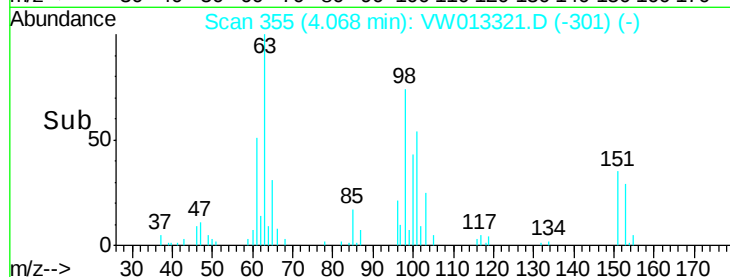
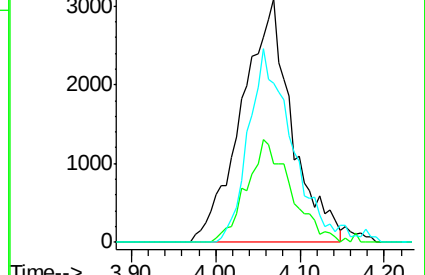
151 63.0 65.4 98.0#



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: 2.124 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

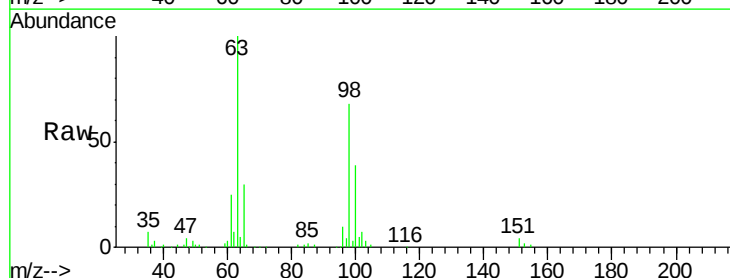
Tgt Ion: 96 Resp: 11669

Ion Ratio Lower Upper

96 100

61 249.1 115.9 215.3#

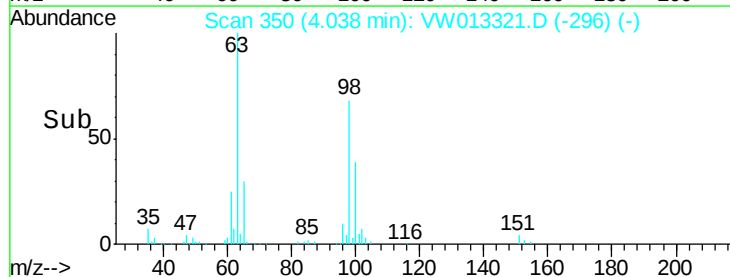
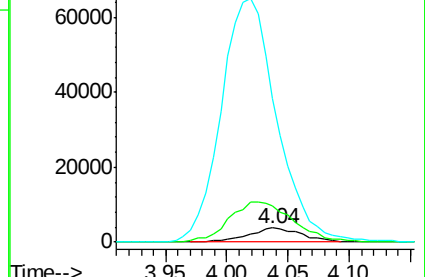
63 996.2 88.9 165.1#

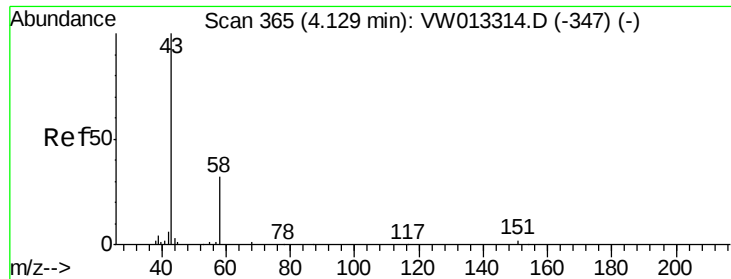


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 6.881 ug/L m

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

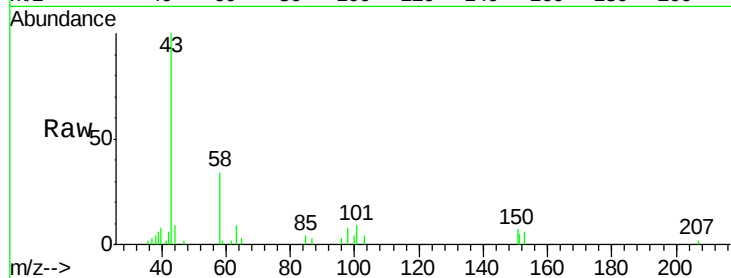
MDL06

Tot Ion: 43 Resp: 11250

Ion Ratio Lower Upper

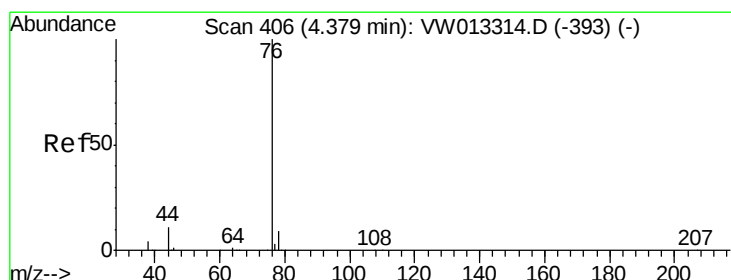
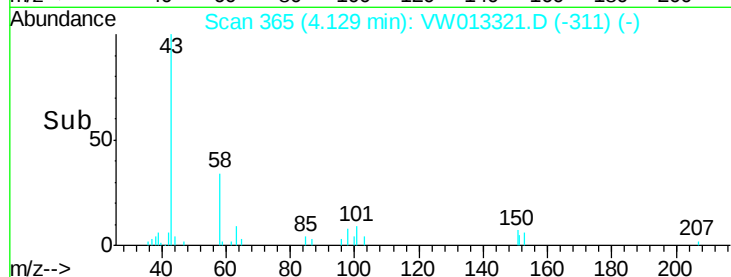
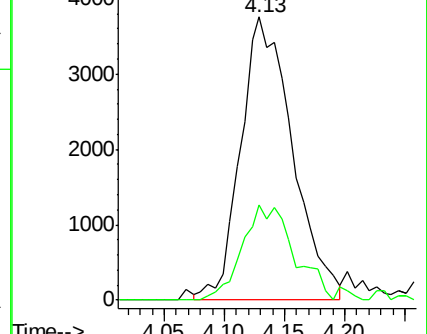
43 100

58 17.2 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: 1.849 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013321.D

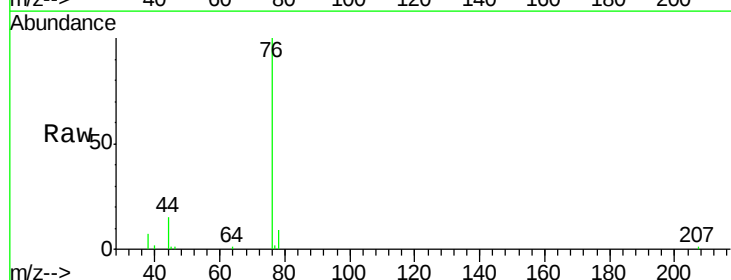
Acq: 27 Sep 2019 14:26

Tgt Ion: 76 Resp: 28842

Ion Ratio Lower Upper

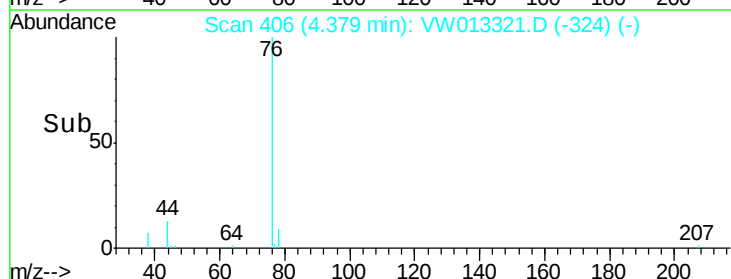
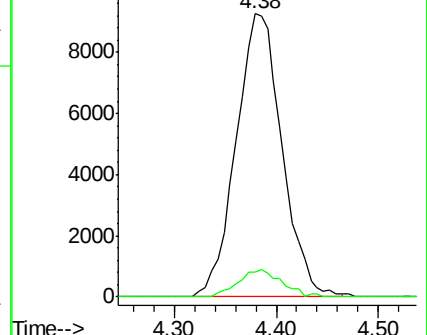
76 100

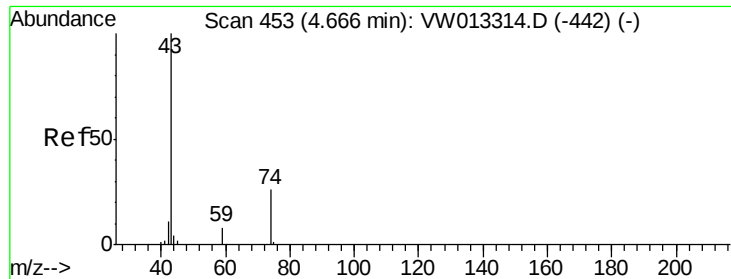
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

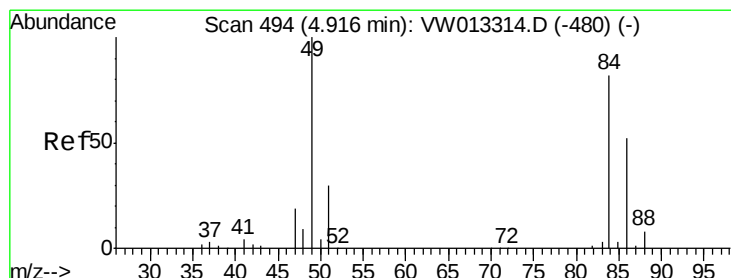
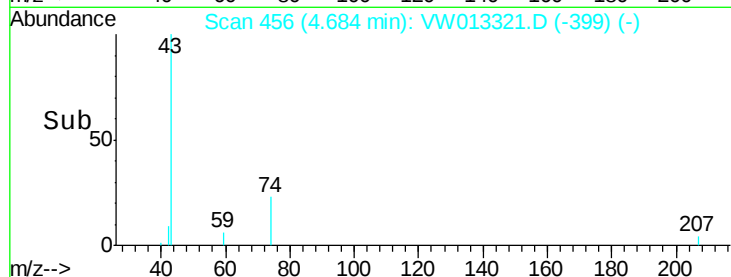
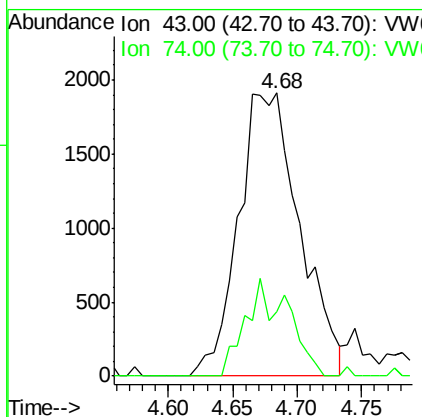
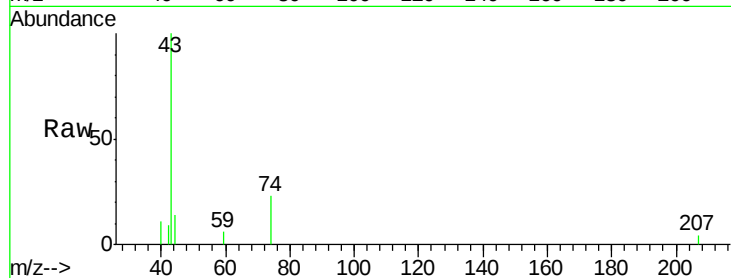




#15
Methvl Acetate
Concen: 2.005 ug/L m
RT: 4.68 min Scan# 456
Delta R.T. 0.02 min
Lab File: VW013321.D
Acq: 27 Sep 2019 14:26

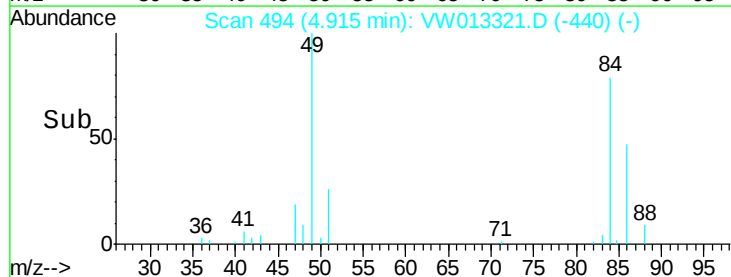
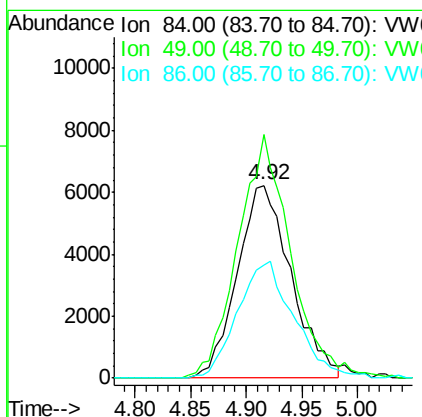
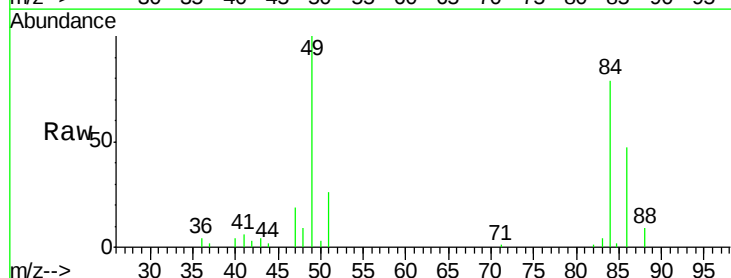
Instrument :
MSVOA_W
ClientSampleId :
MDL06

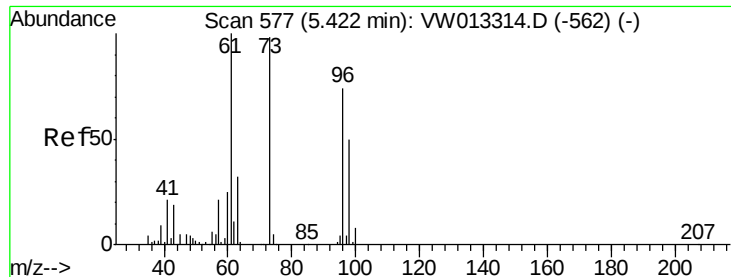
Tot Ion: 43 Resp: 6325
Ion Ratio Lower Upper
43 100
74 12.9 18.7 28.1#



#16
Methylene chloride
Concen: 2.936 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW013321.D
Acq: 27 Sep 2019 14:26

Tgt Ion: 84 Resp: 20907
Ion Ratio Lower Upper
84 100
49 126.2 84.8 157.4
86 58.9 44.0 81.6

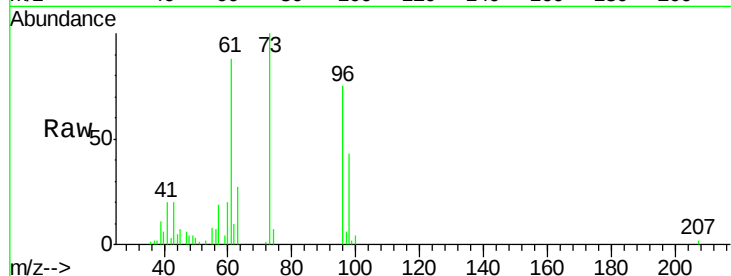




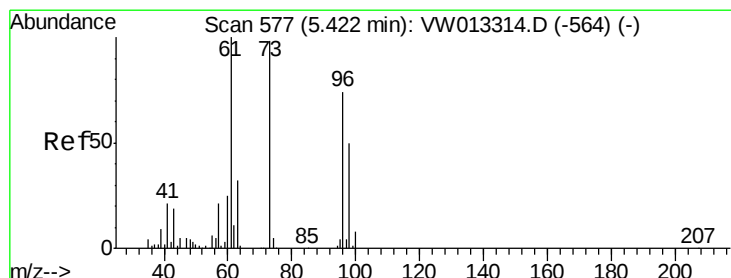
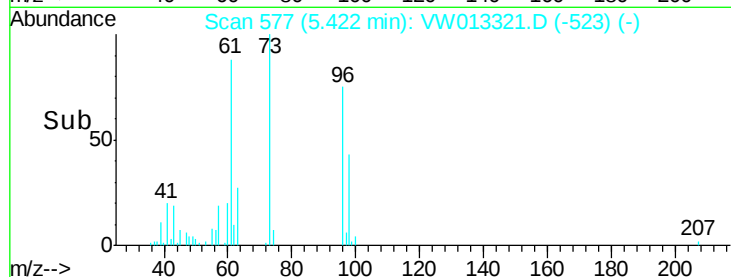
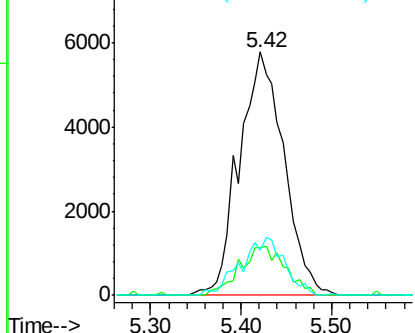
#17
Methvl tert-butvl Ether
Concen: 2.075 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013321.D
Acq: 27 Sep 2019 14:26

Instrument :
MSVOA_W
ClientSampled :
MDL06

Tot Ion: 73 Resp: 19720
Ion Ratio Lower Upper
73 100
43 15.7 15.3 22.9
57 8.2 18.2 27.4#

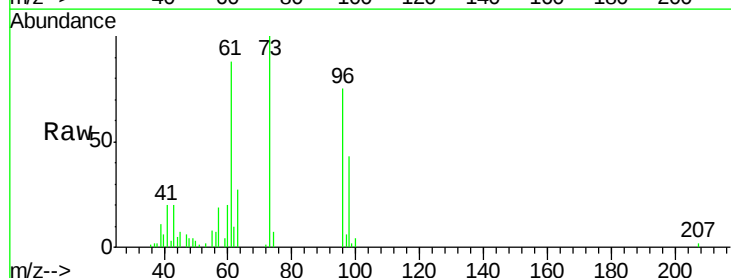


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

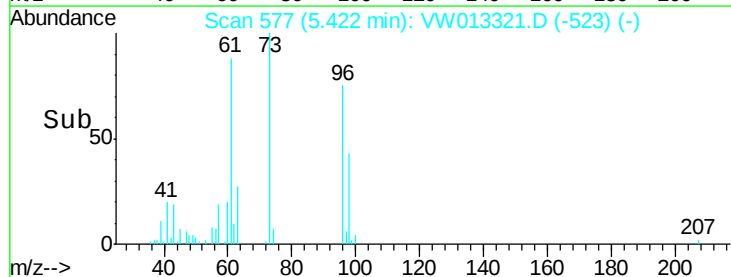
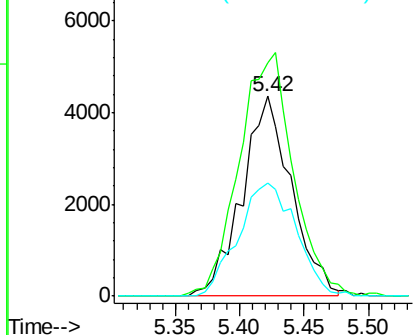


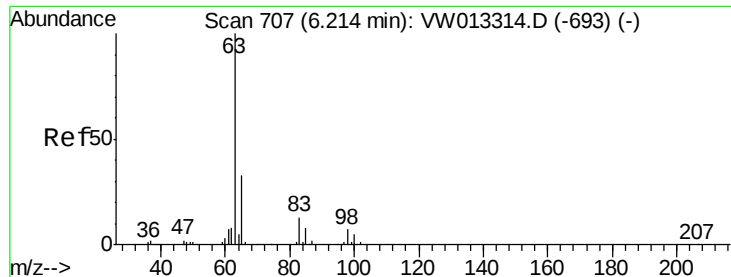
#18
trans-1,2-Dichloroethene
Concen: 1.974 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013321.D
Acq: 27 Sep 2019 14:26

Tgt Ion: 96 Resp: 11595
Ion Ratio Lower Upper
96 100
61 117.0 91.2 169.4
98 58.8 44.7 82.9



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

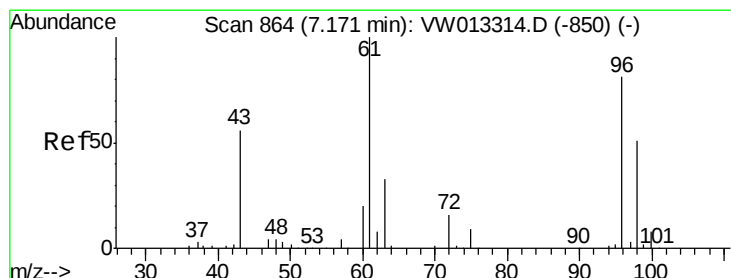
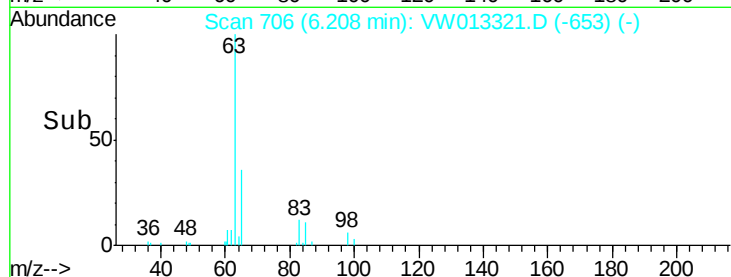
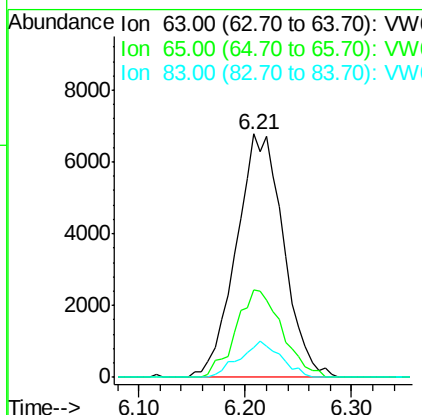
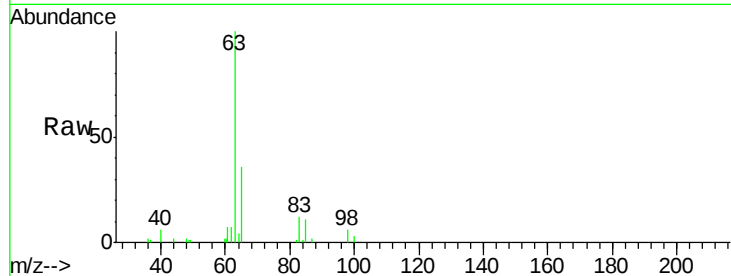




#19
 1,1-Dichloroethane
 Concen: 2.046 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013321.D
 Acq: 27 Sep 2019 14:26

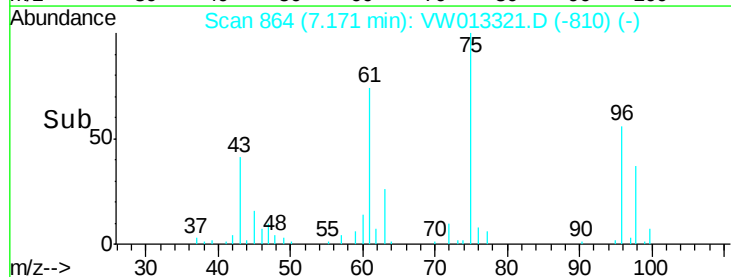
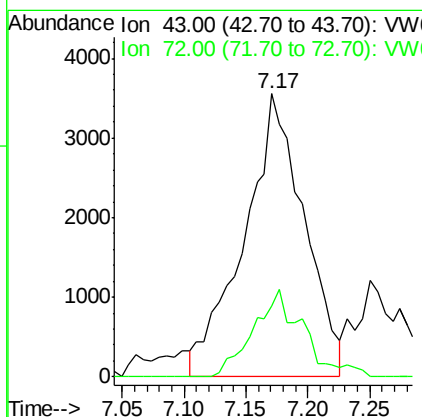
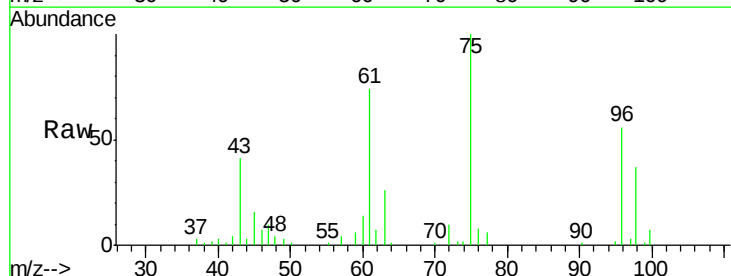
Instrument :
 MSVOA_W
 ClientSampled :
 MDL06

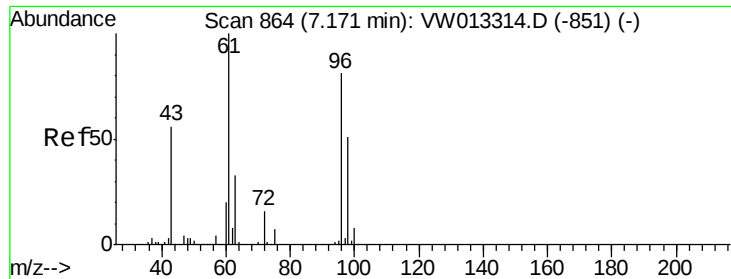
Tot Ion: 63 Resp: 21087
 Ion Ratio Lower Upper
 63 100
 65 35.7 21.8 40.4
 83 12.2 9.3 17.3



#21
 2-Butanone
 Concen: 5.107 ug/L m
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW013321.D
 Acq: 27 Sep 2019 14:26

Tgt Ion: 43 Resp: 12026
 Ion Ratio Lower Upper
 43 100
 72 18.9 13.2 39.6



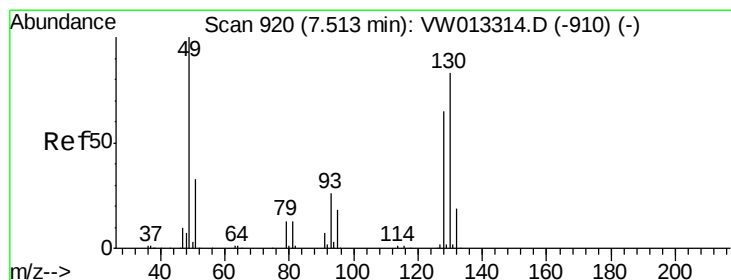
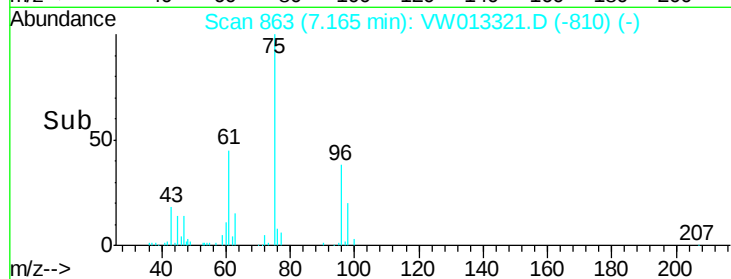
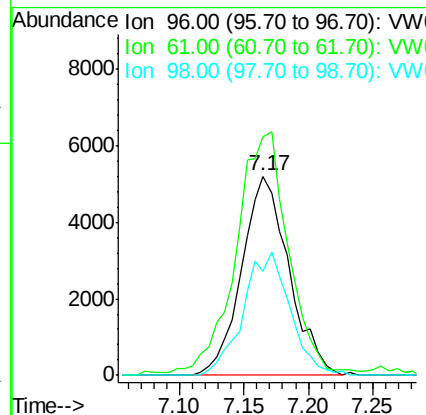
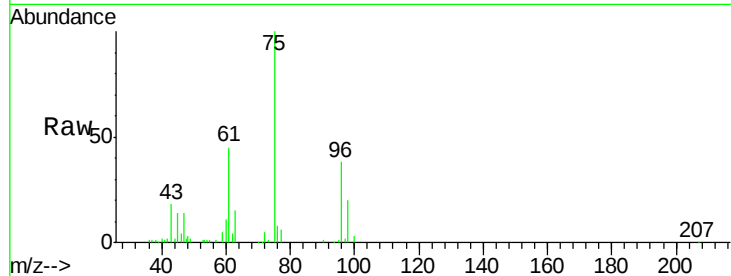


#22

cis-1,2-Dichloroethene
 Concen: 2.065 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013321.D
 Acq: 27 Sep 2019 14:26

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

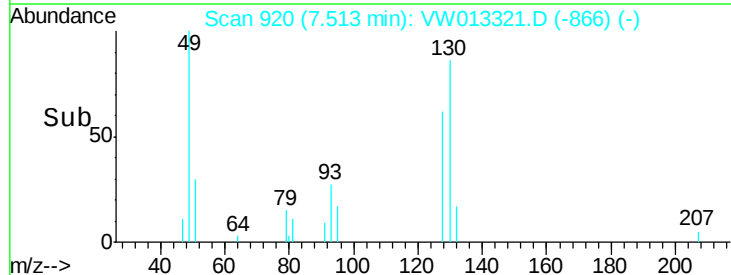
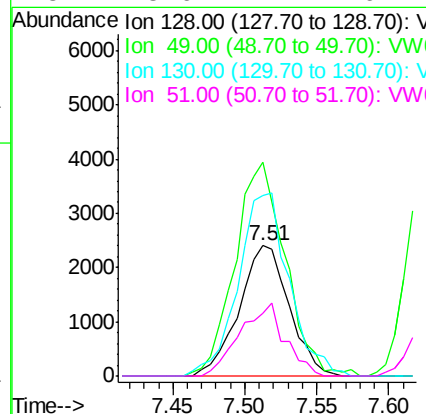
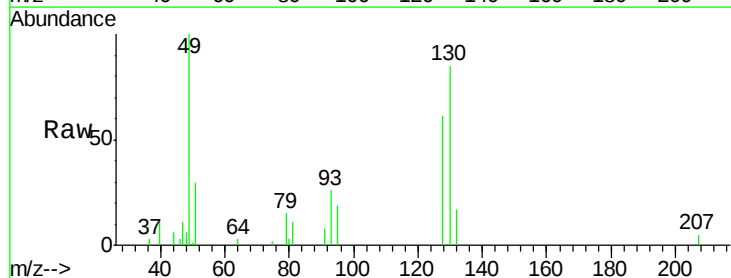
Tot Ion: 96 Resp: 13221
 Ion Ratio Lower Upper
 96 100
 61 120.1 86.0 159.6
 98 52.2 43.5 80.9

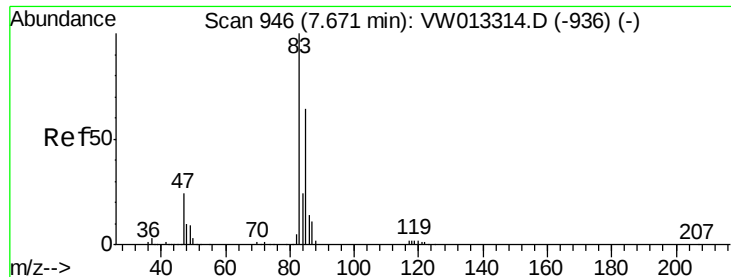


#23

Bromochloromethane
 Concen: 2.011 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW013321.D
 Acq: 27 Sep 2019 14:26

Tgt Ion:128 Resp: 5792
 Ion Ratio Lower Upper
 128 100
 49 163.9 114.6 212.8
 130 138.9 92.6 172.0
 51 48.6 42.7 64.1





#25

Chloroform

Concen: 2.100 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampled :

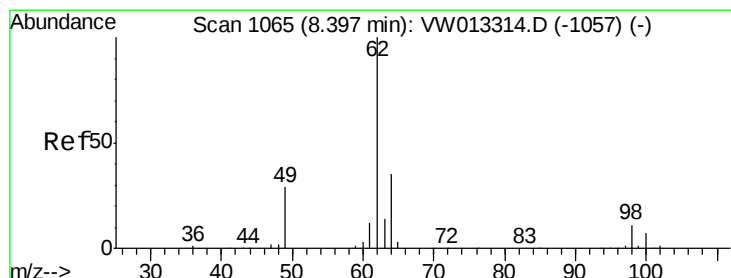
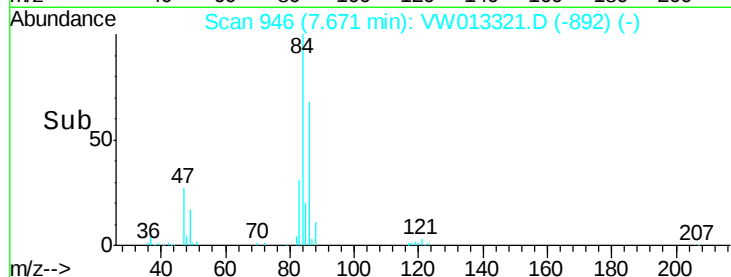
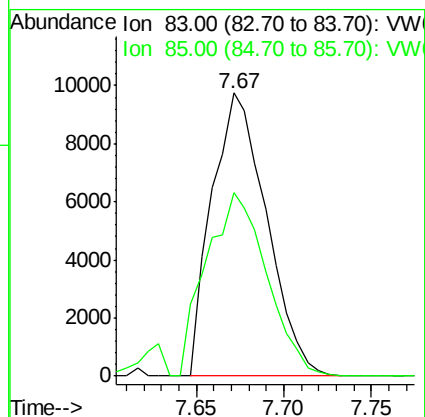
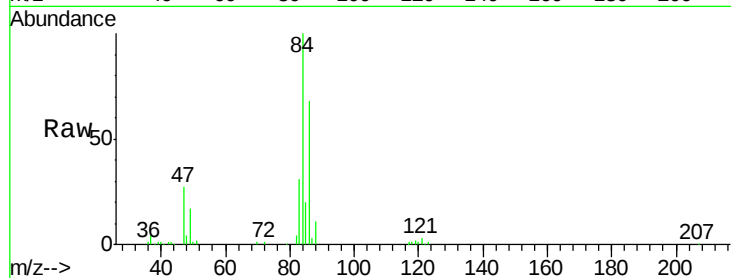
MDL06

Tot Ion: 83 Resp: 21265

Ion Ratio Lower Upper

83 100

85 71.9 45.9 85.3



#27

1,2-Dichloroethane

Concen: 2.083 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013321.D

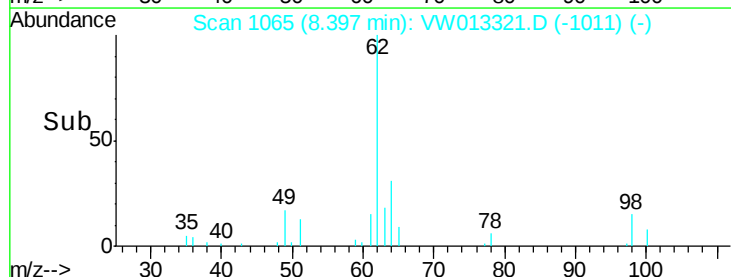
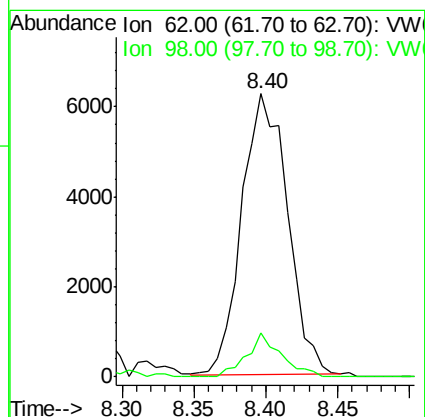
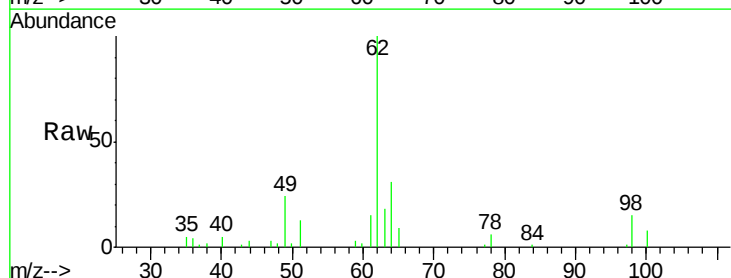
Acq: 27 Sep 2019 14:26

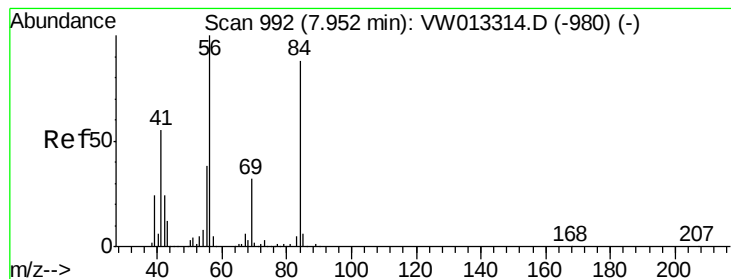
Tgt Ion: 62 Resp: 13817

Ion Ratio Lower Upper

62 100

98 15.5 9.0 13.6#





#30

Cvclohexane

Concen: 1.870 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

MDL06

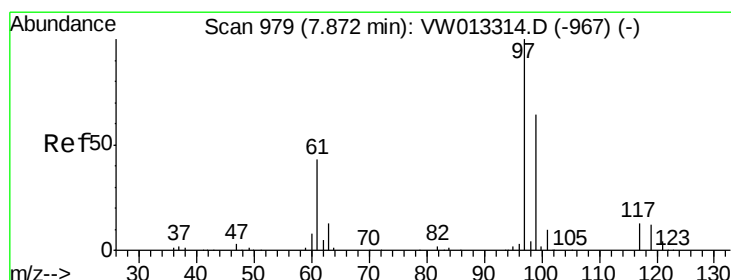
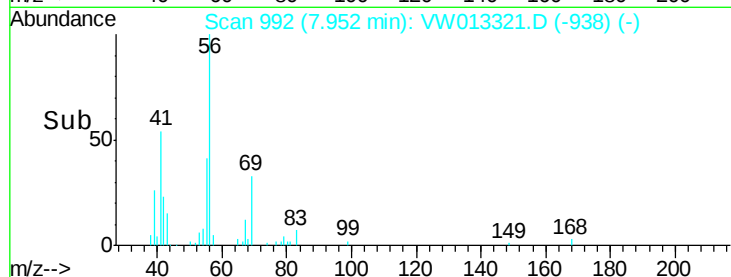
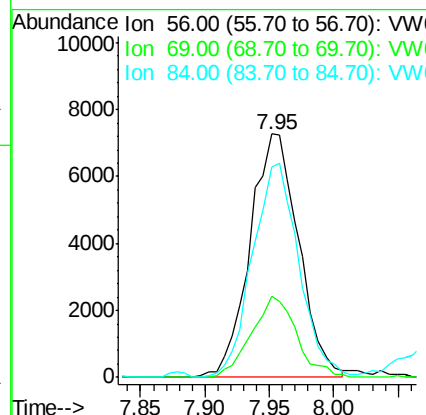
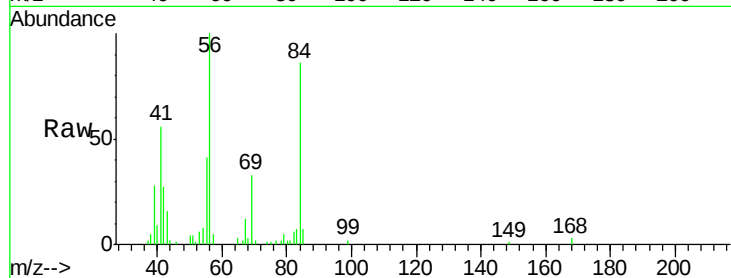
Tot Ion: 56 Resp: 19038

Ion Ratio Lower Upper

56 100

69 31.0 24.6 37.0

84 84.0 69.5 104.3



#31

1,1,1-Trichloroethane

Concen: 1.933 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

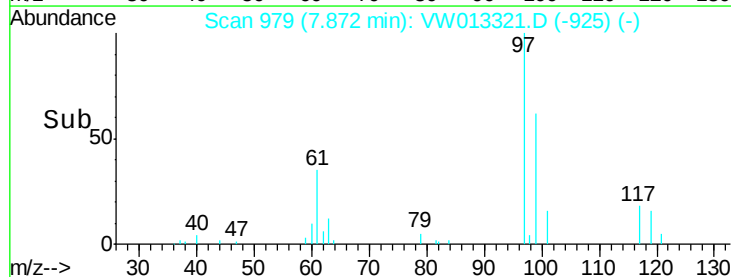
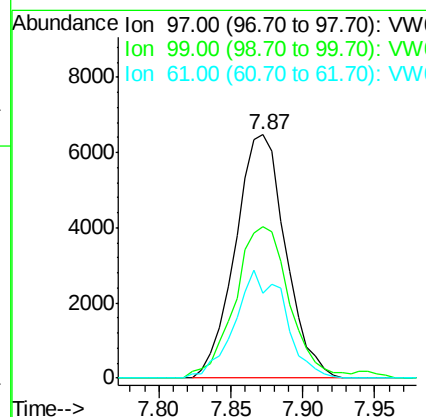
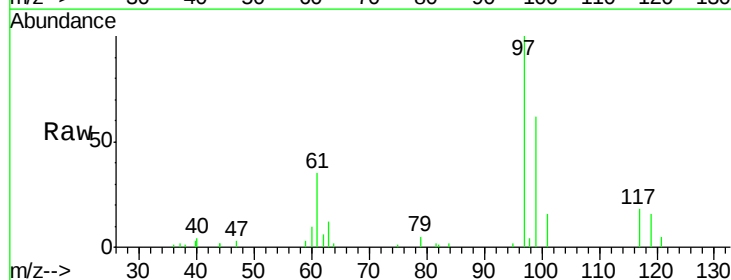
Tgt Ion: 97 Resp: 15723

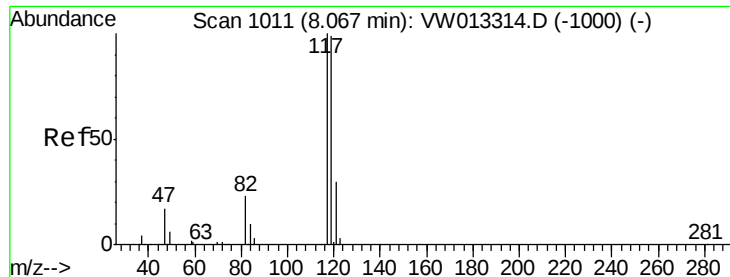
Ion Ratio Lower Upper

97 100

99 67.0 50.6 75.8

61 26.4 34.2 51.2#





#32

Carbon tetrachloride

Concen: 1.924 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampled :

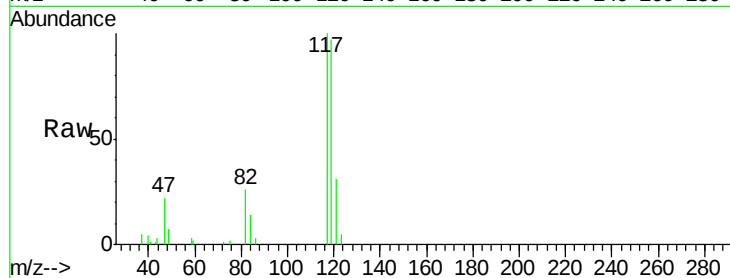
MDL06

Tot Ion:117 Resp: 14919

Ion Ratio Lower Upper

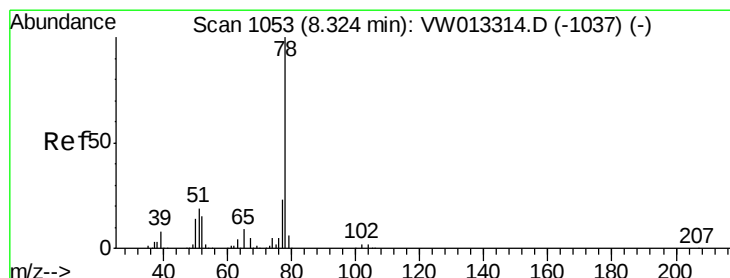
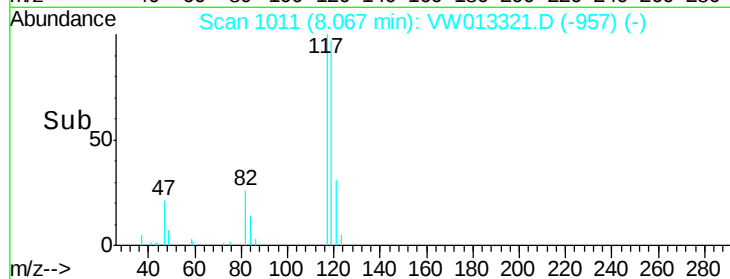
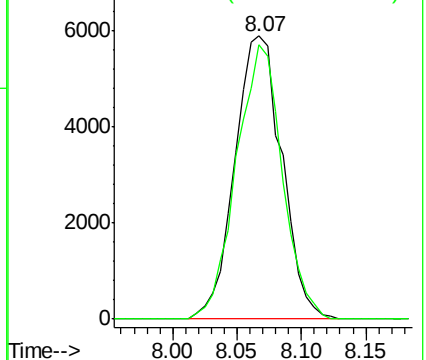
117 100

119 94.4 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: 2.033 ug/L

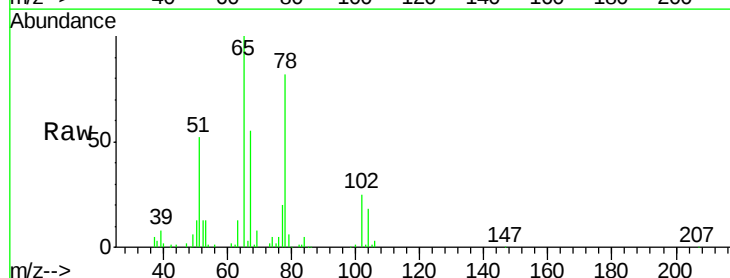
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

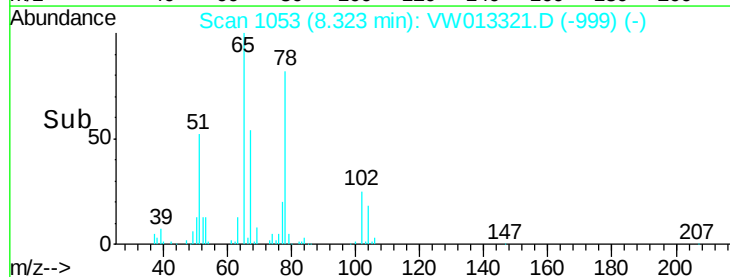
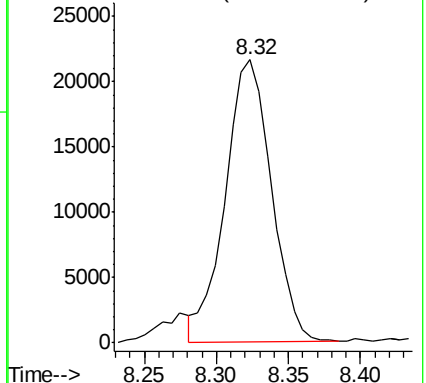
Lab File: VW013321.D

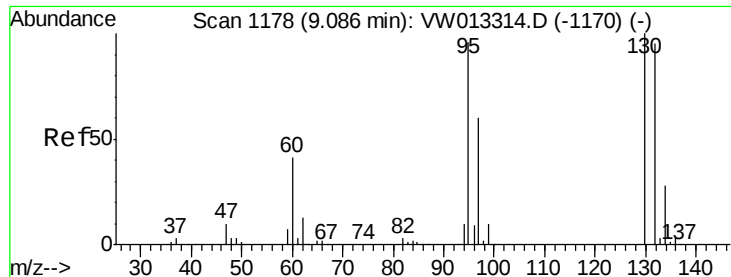
Acq: 27 Sep 2019 14:26

Tgt Ion: 78 Resp: 48293



Abundance Ion 78.00 (77.70 to 78.70): VW

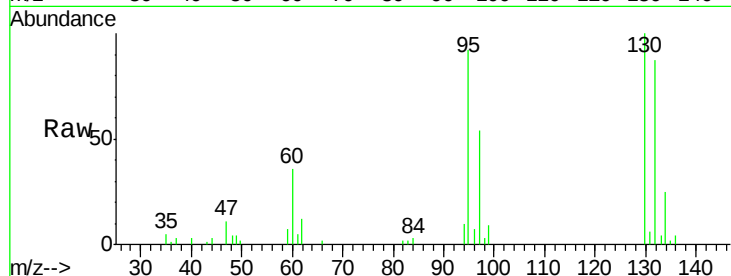




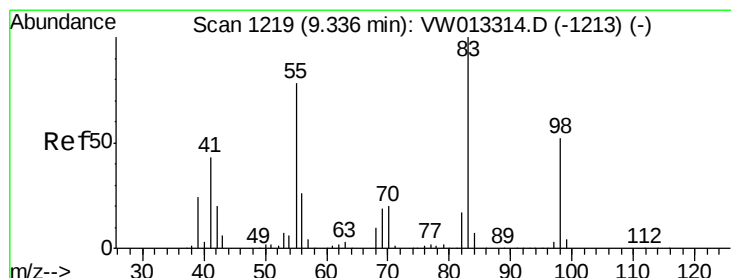
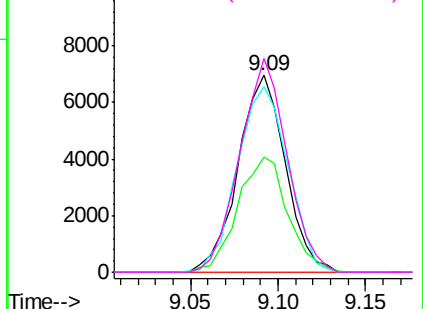
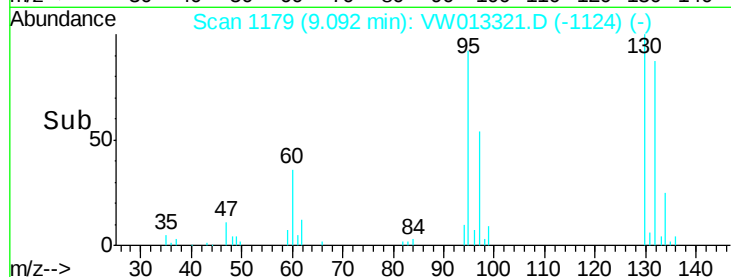
#35
 Trichloroethene
 Concen: 2.090 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW013321.D
 Acq: 27 Sep 2019 14:26

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Tot Ion: 95 Resp: 13048
 Ion Ratio Lower Upper
 95 100
 97 62.3 44.3 82.3
 132 102.2 71.7 133.3
 130 108.8 74.1 137.7

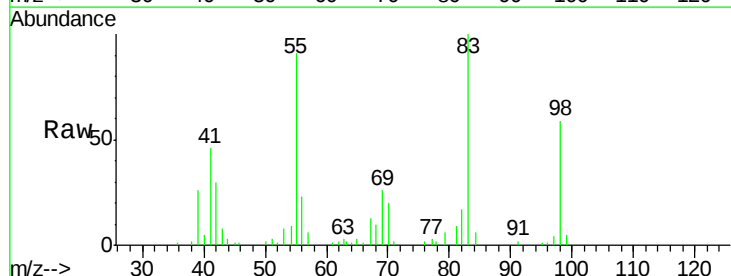


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

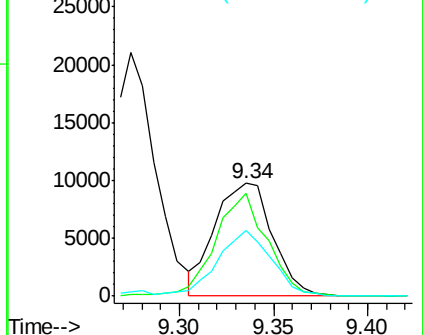
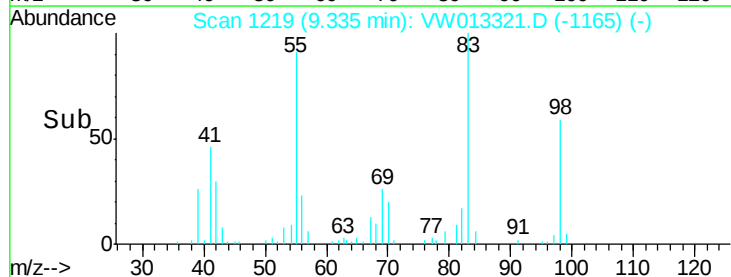


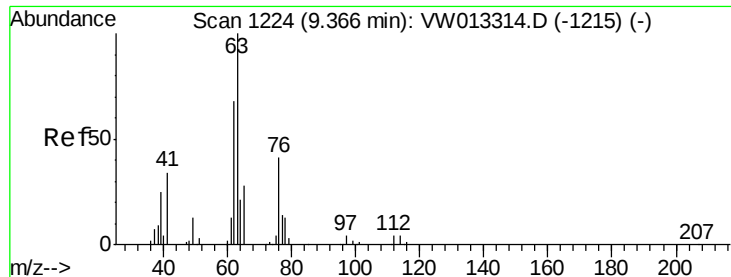
#36
 Methylcyclohexane
 Concen: 1.870 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013321.D
 Acq: 27 Sep 2019 14:26

Tgt Ion: 83 Resp: 20792
 Ion Ratio Lower Upper
 83 100
 55 80.9 61.8 92.6
 98 54.4 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: 2.122 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

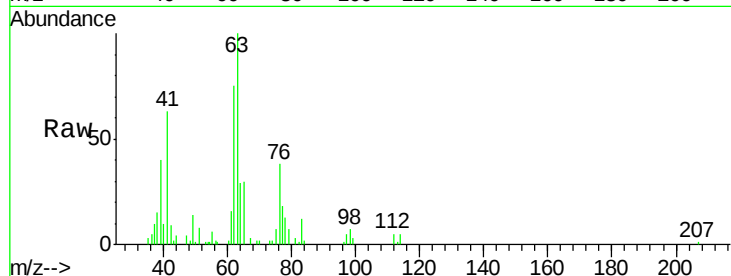
MDL06

Tot Ion: 63 Resp: 12406

Ion Ratio Lower Upper

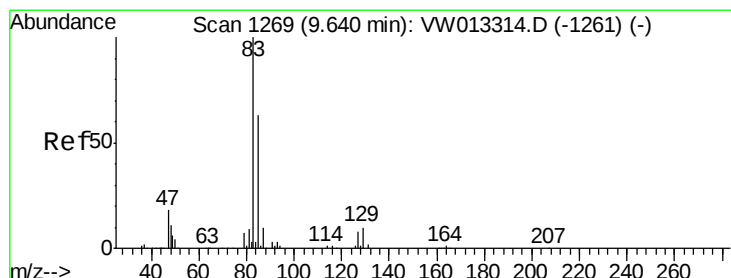
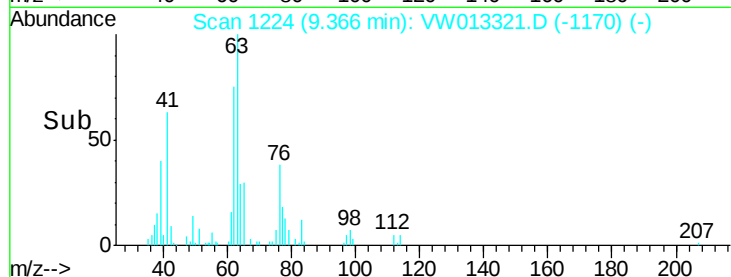
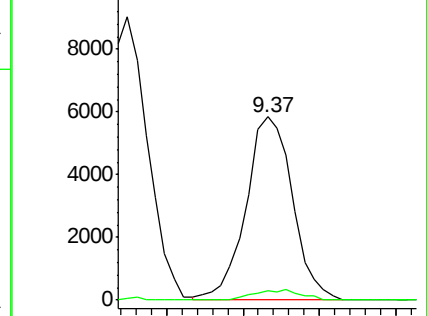
63 100

112 5.7 4.1 6.1



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 2.028 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

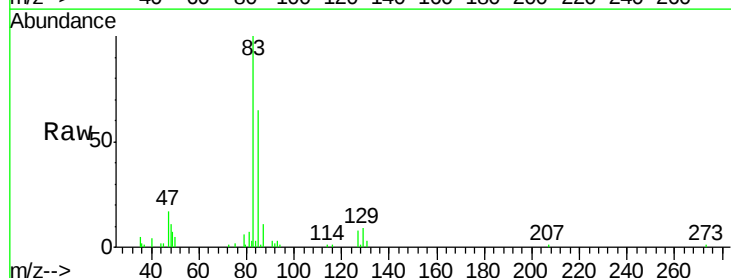
Tgt Ion: 83 Resp: 14543

Ion Ratio Lower Upper

83 100

85 65.1 43.8 81.4

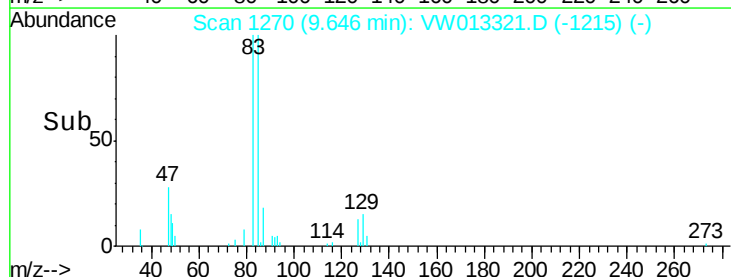
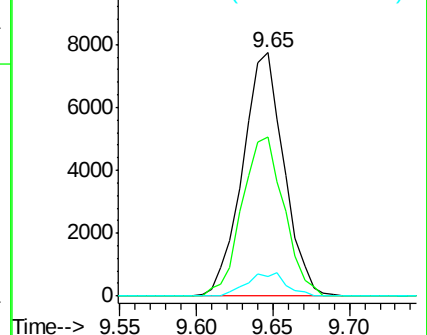
127 8.3 7.0 10.6

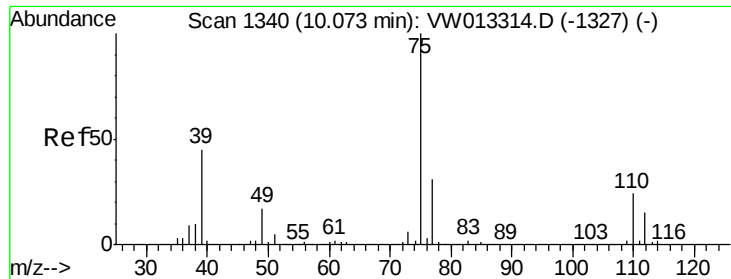


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 1.932 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

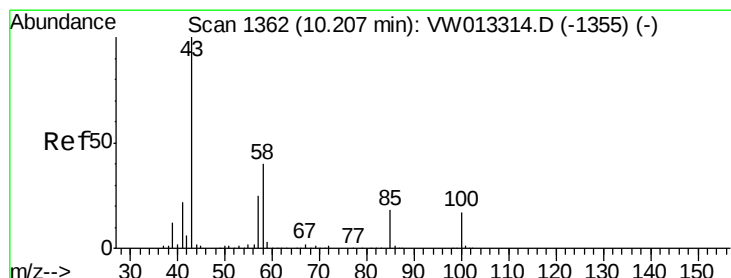
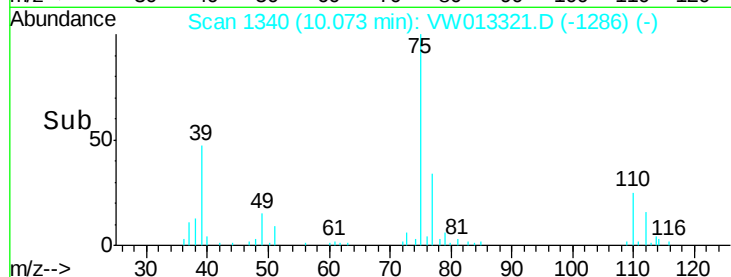
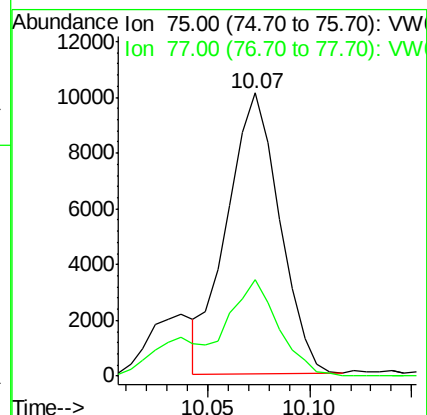
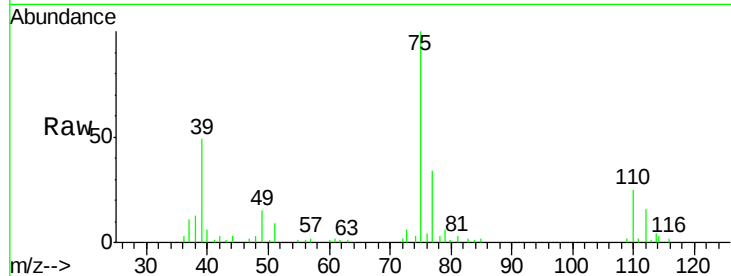
MDL06

Tot Ion: 75 Resp: 18039

Ion Ratio Lower Upper

75 100

77 33.9 21.3 39.5



#43

4-Methyl-2-pentanone

Concen: 4.808 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

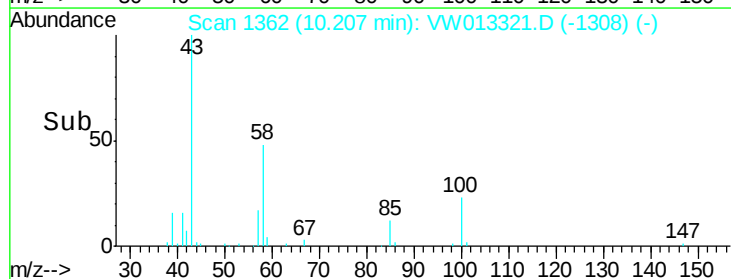
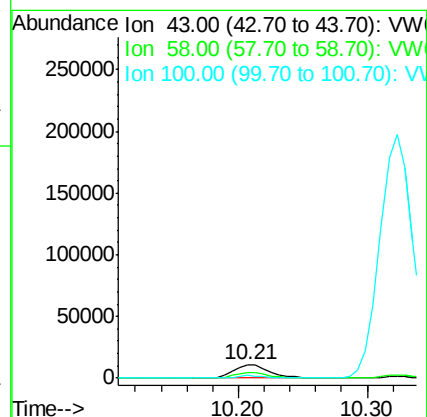
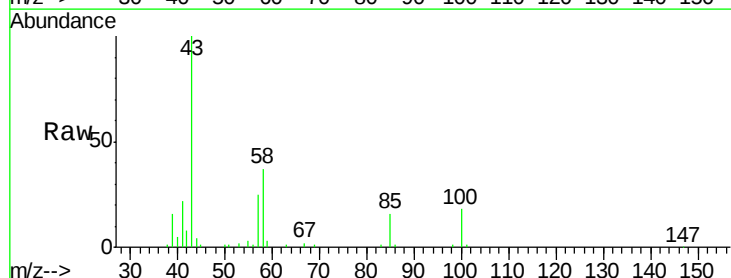
Tgt Ion: 43 Resp: 21516

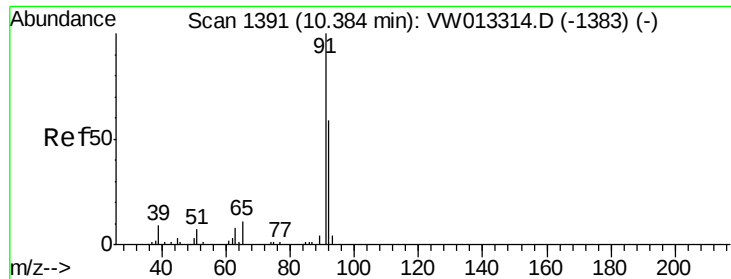
Ion Ratio Lower Upper

43 100

58 36.8 32.7 49.1

100 15.4 12.9 19.3





#44

Toluene

Concen: 2.062 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

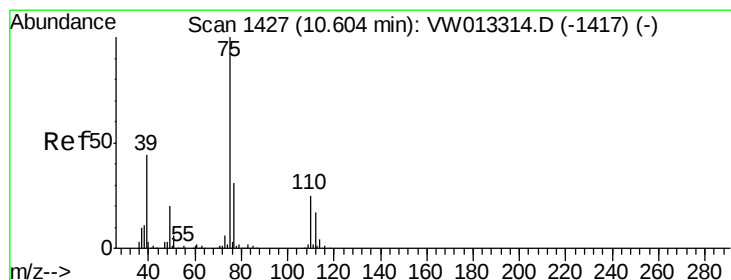
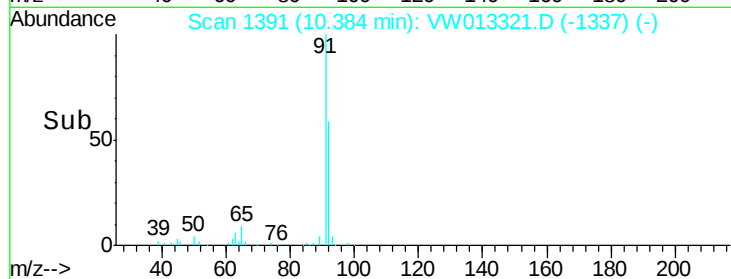
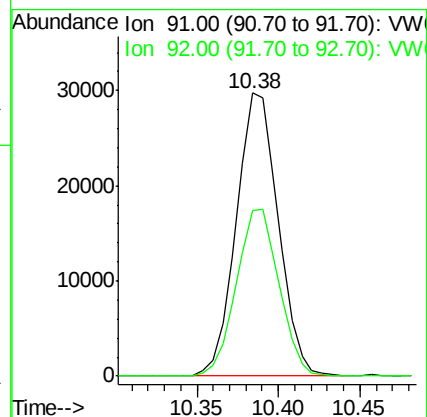
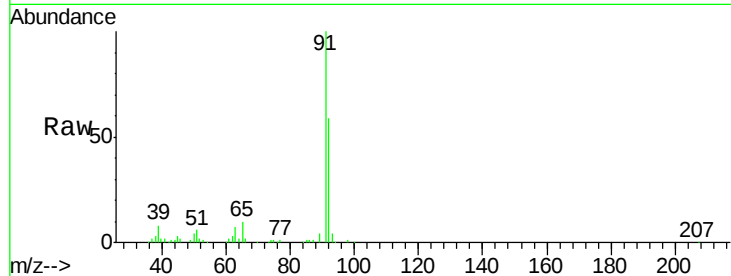
MDL06

Tot Ion: 91 Resp: 53347

Ion Ratio Lower Upper

91 100

92 58.6 41.5 77.1



#45

trans-1,3-Dichloropropene

Concen: 2.292 ug/L m

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013321.D

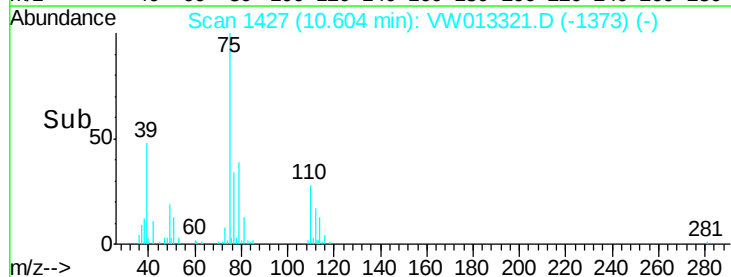
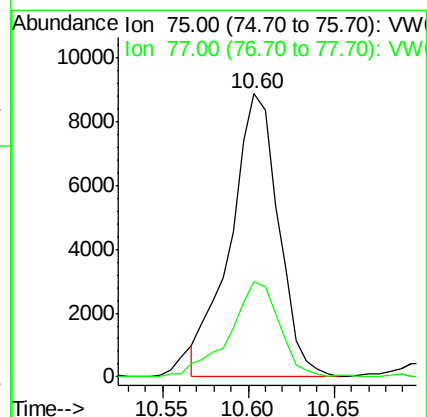
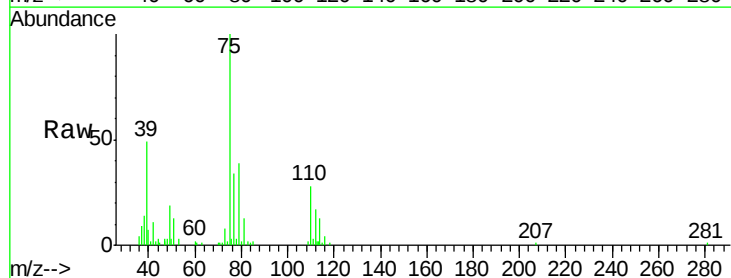
Acq: 27 Sep 2019 14:26

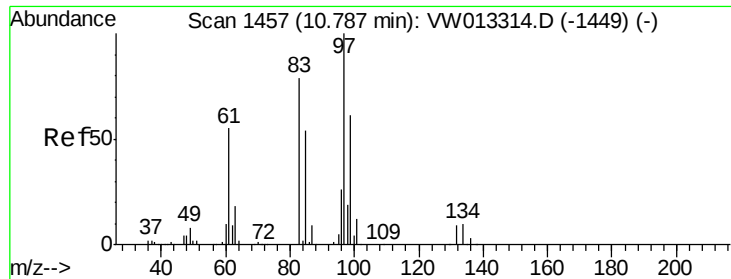
Tgt Ion: 75 Resp: 17205

Ion Ratio Lower Upper

75 100

77 33.7 20.5 38.1

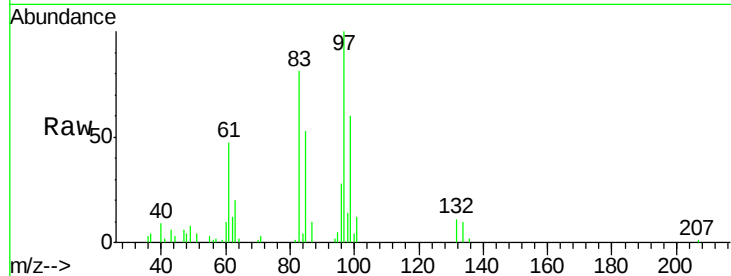




#46
 1,1,2-Trichloroethane
 Concen: 2.187 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013321.D
 Acq: 27 Sep 2019 14:26

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Tot Ion:	97	Resp:	10017
Ion	Ratio	Lower	Upper
97	100		
83	80.7	59.4	110.2
85	53.2	38.7	71.9
99	59.7	45.8	85.0



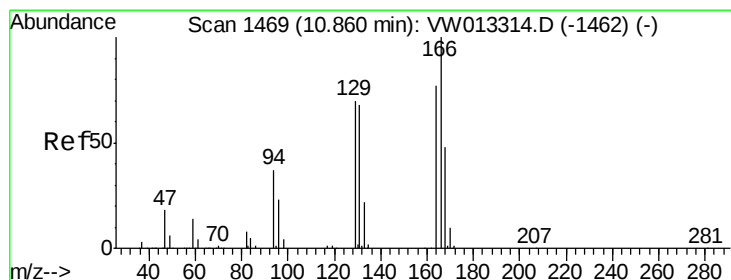
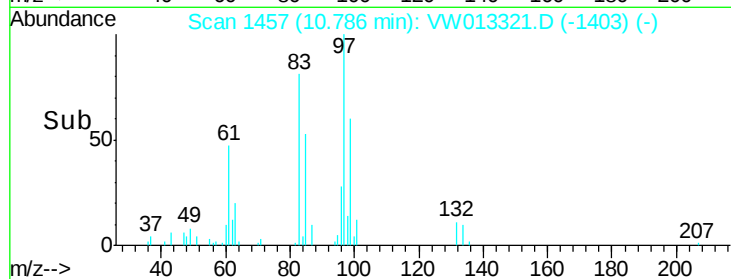
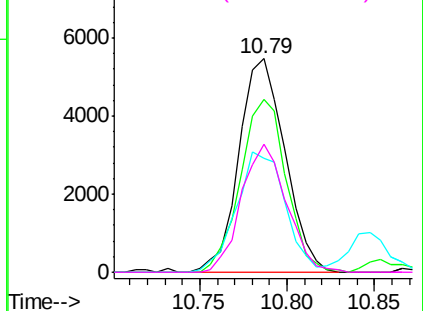
Abundance

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: 1.990 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW013321.D
 Acq: 27 Sep 2019 14:26

Tgt Ion:	164	Resp:	11176
Ion	Ratio	Lower	Upper
164	100		
129	91.5	60.5	112.5
131	79.6	60.6	112.6
166	128.9	90.6	168.2

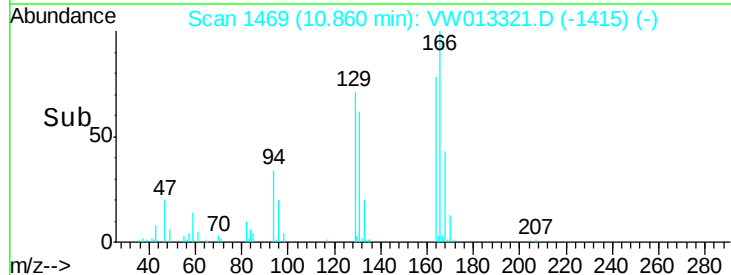
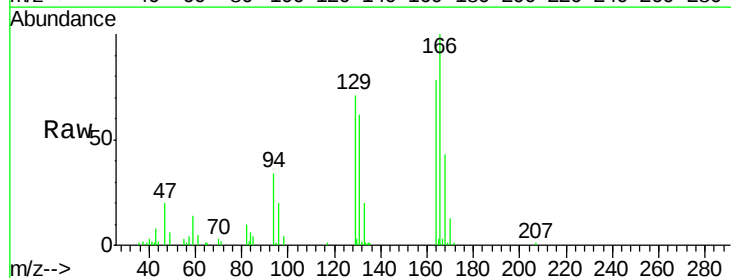
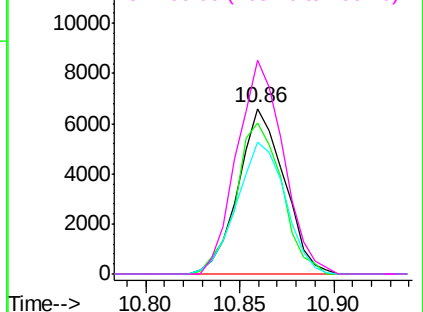
Abundance

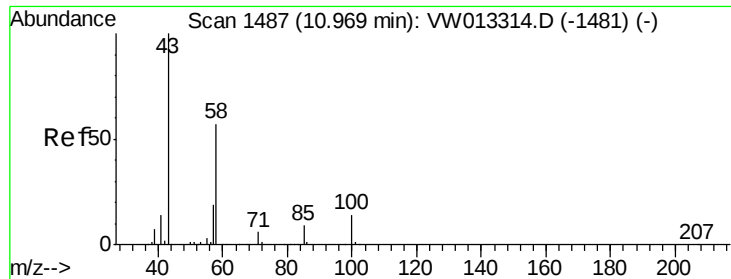
Ion 164.00 (163.70 to 164.70): V

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

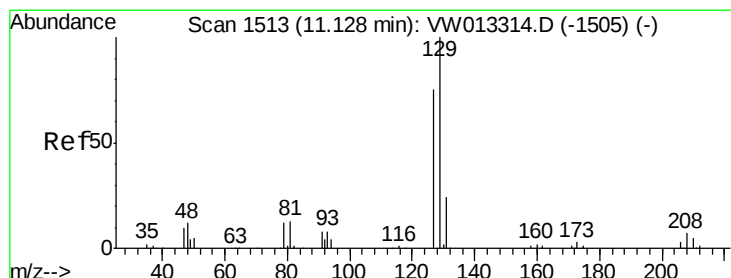
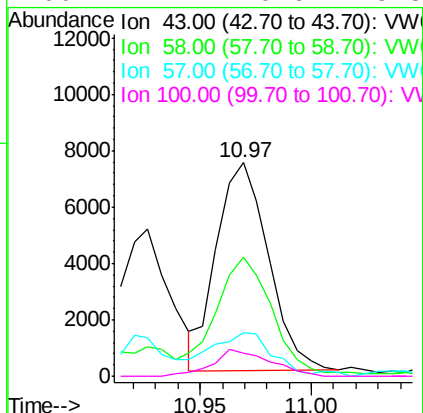
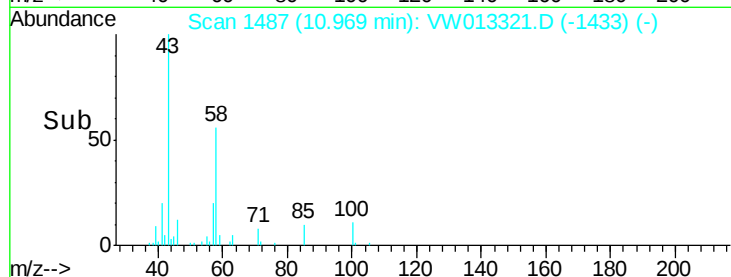
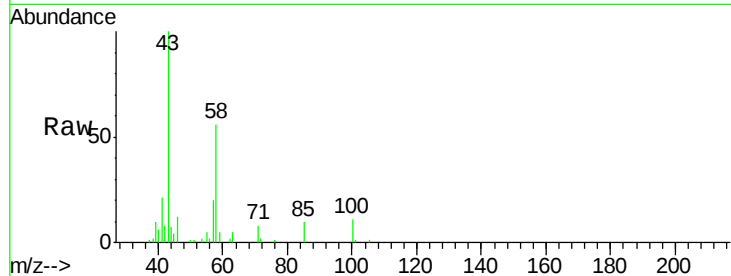




#49
2-Hexanone
Concen: 3.693 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013321.D
Acq: 27 Sep 2019 14:26

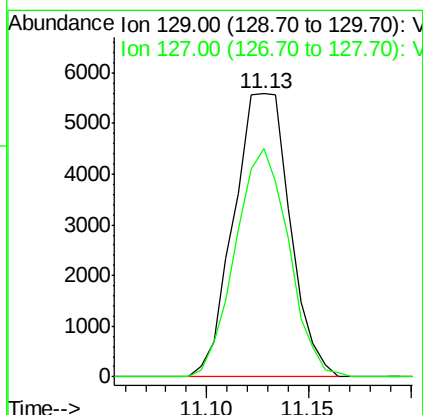
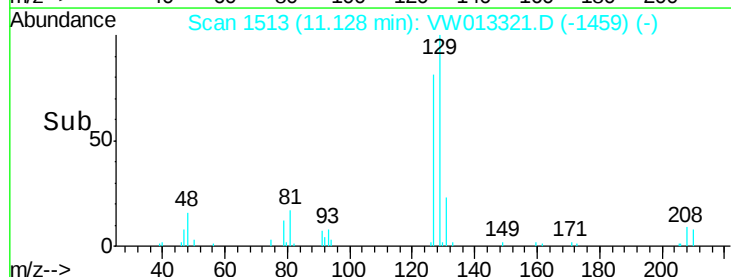
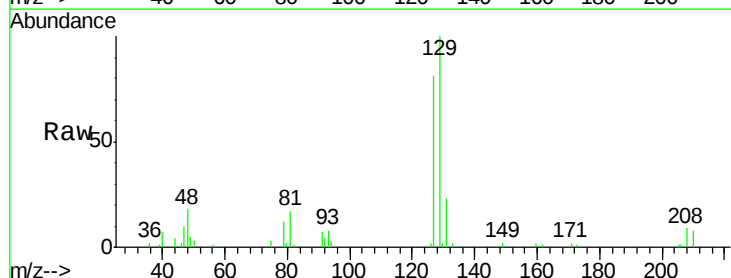
Instrument :
MSVOA_W
ClientSampleId :
MDL06

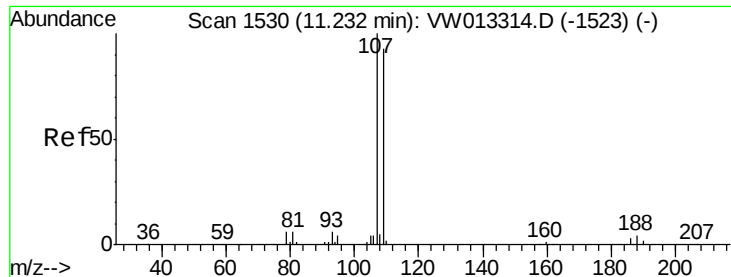
Tot Ion: 43 Resp: 11880
Ion Ratio Lower Upper
43 100
58 63.4 44.3 66.5
57 24.2 15.3 22.9#
100 14.4 10.6 15.8



#50
Dibromochloromethane
Concen: 2.036 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013321.D
Acq: 27 Sep 2019 14:26

Tgt Ion: 129 Resp: 10694
Ion Ratio Lower Upper
129 100
127 80.8 56.1 104.1

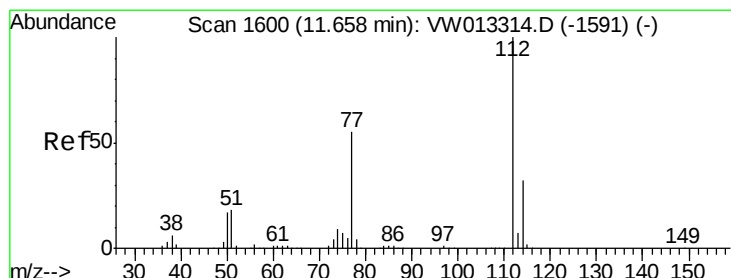
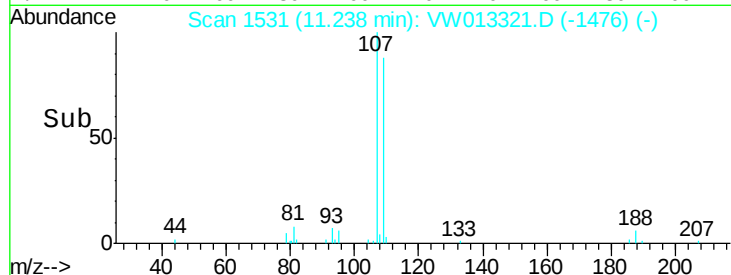
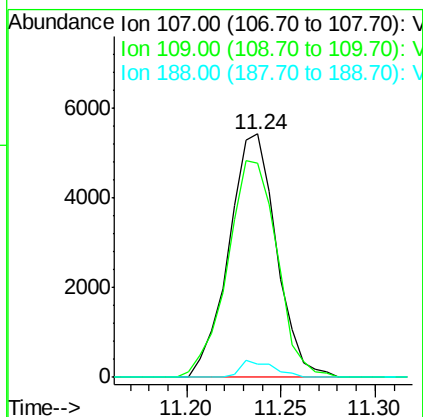
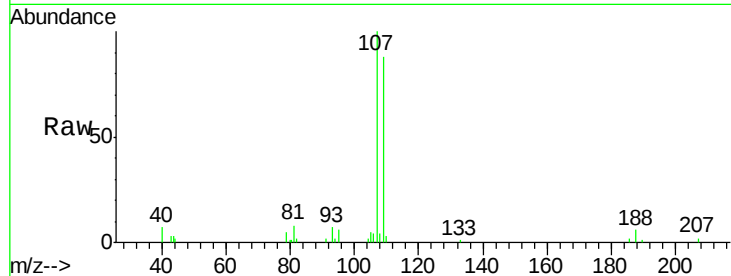




#51
 1,2-Dibromoethane
 Concen: 2.109 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW013321.D
 Acq: 27 Sep 2019 14:26

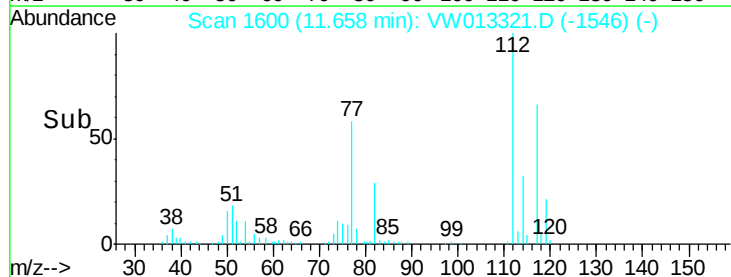
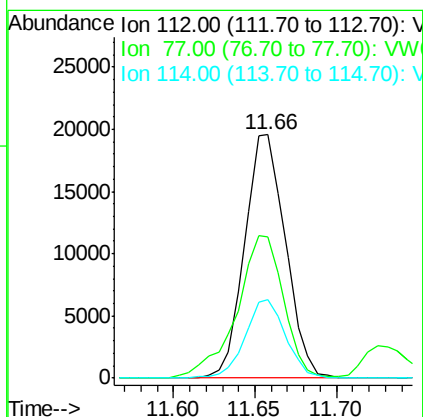
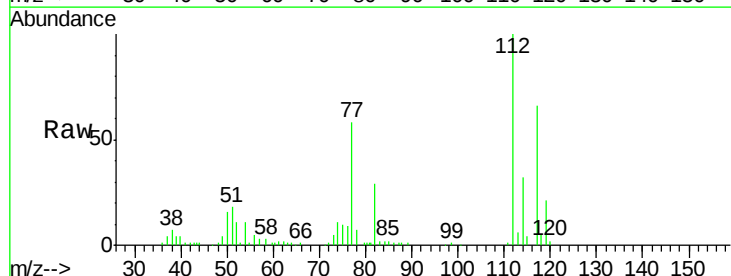
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

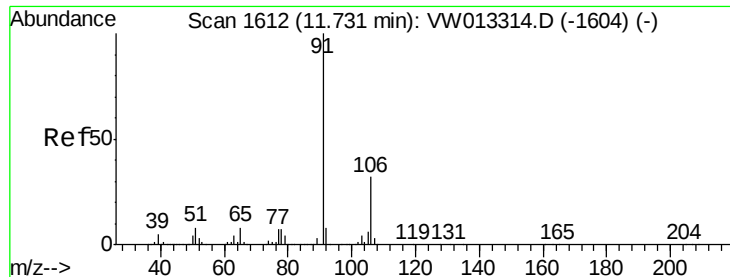
Tot Ion:107 Resp: 9490
 Ion Ratio Lower Upper
 107 100
 109 87.7 65.5 121.6
 188 5.6 3.0 4.6#



#52
 Chlorobenzene
 Concen: 2.099 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW013321.D
 Acq: 27 Sep 2019 14:26

Tgt Ion:112 Resp: 34211
 Ion Ratio Lower Upper
 112 100
 77 57.8 46.5 69.7
 114 32.3 23.0 42.8





#53

Ethylbenzene

Concen: 1.965 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

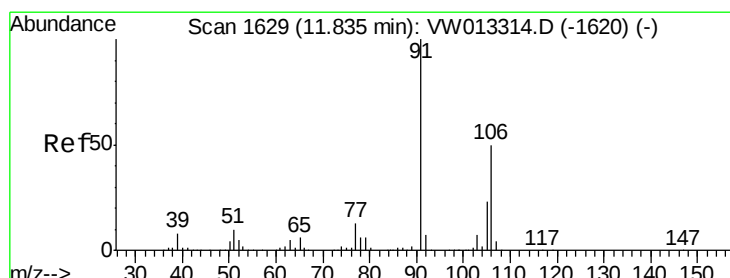
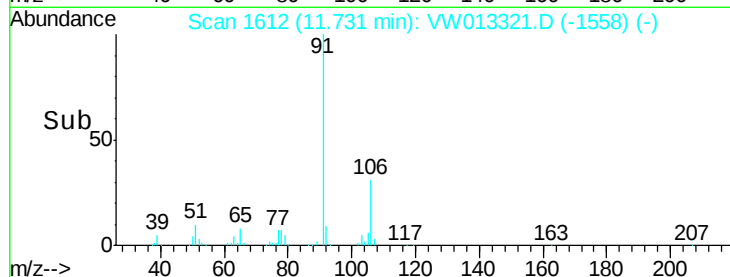
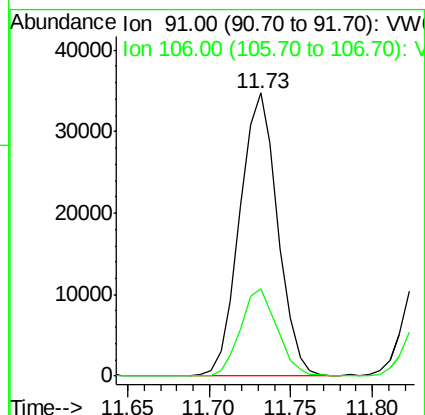
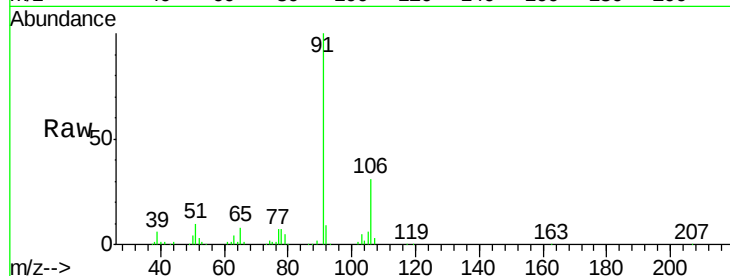
MDL06

Tot Ion: 91 Resp: 56335

Ion Ratio Lower Upper

91 100

106 31.0 20.8 38.6



#54

m,p-Xylene

Concen: 1.984 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW013321.D

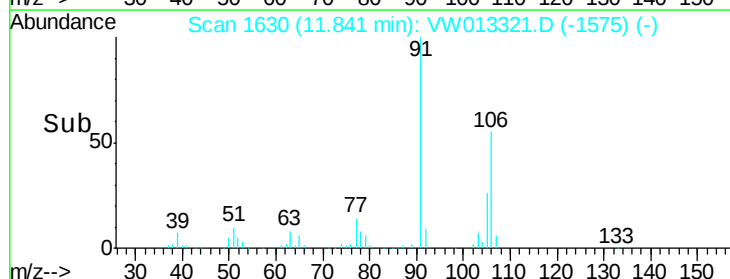
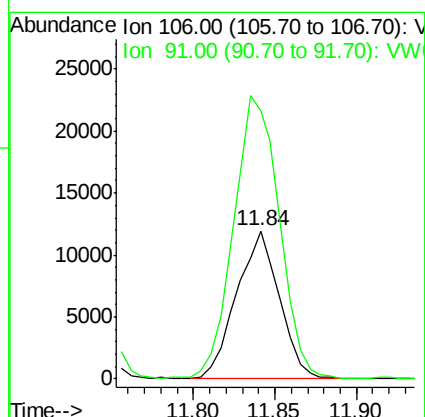
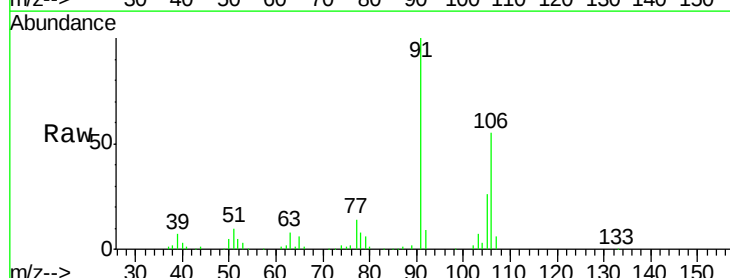
Acq: 27 Sep 2019 14:26

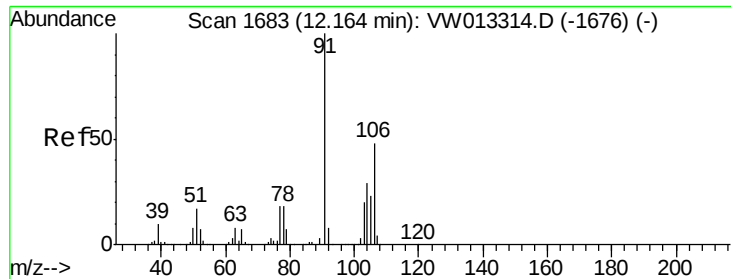
Tgt Ion: 106 Resp: 21847

Ion Ratio Lower Upper

106 100

91 181.5 138.3 256.9





#55

o-xylene

Concen: 1.915 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampled :

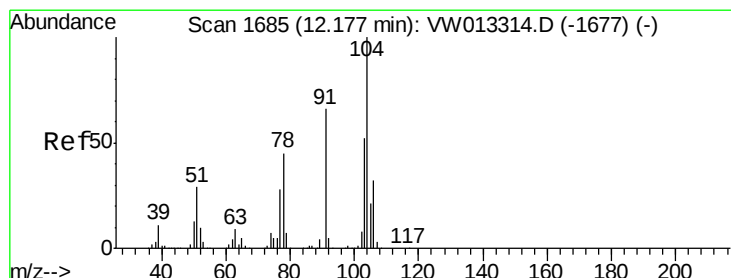
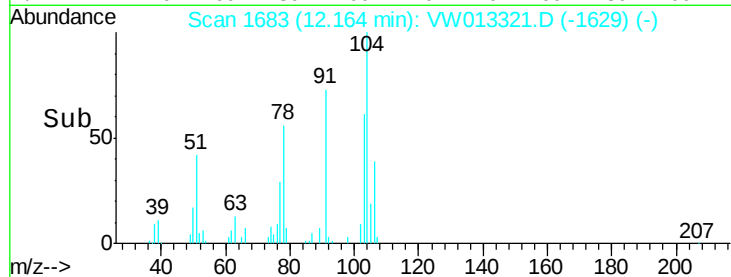
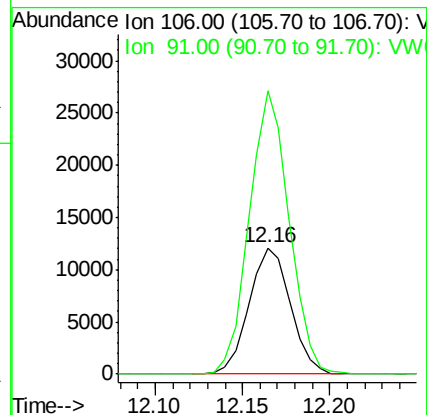
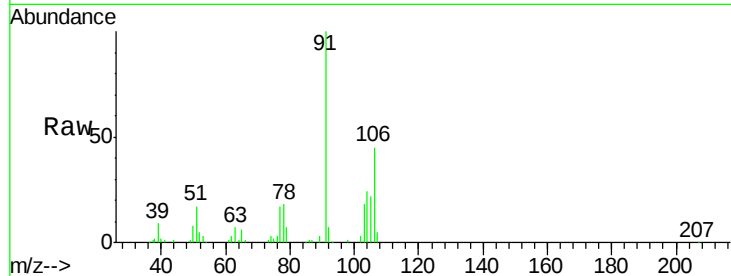
MDL06

Tot Ion:106 Resp: 19899

Ion Ratio Lower Upper

106 100

91 224.6 145.9 271.1



#56

Styrene

Concen: 1.895 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW013321.D

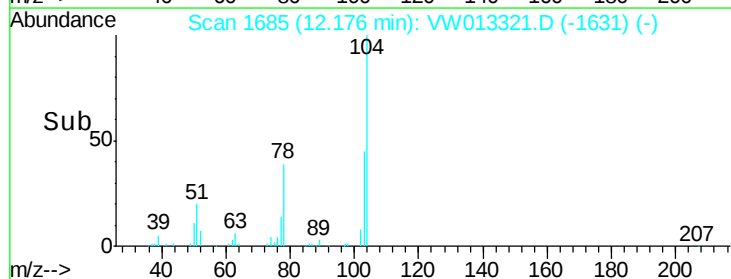
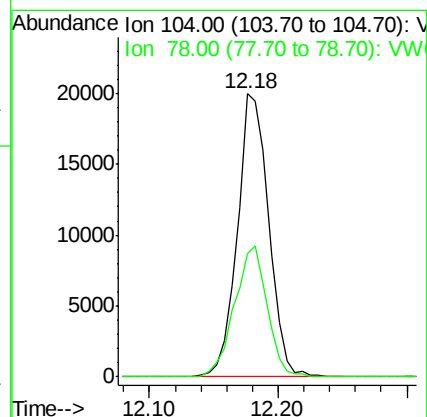
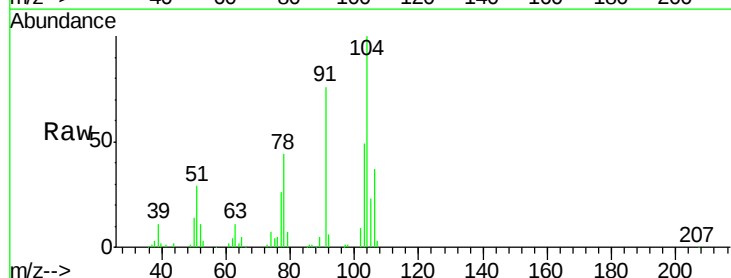
Acq: 27 Sep 2019 14:26

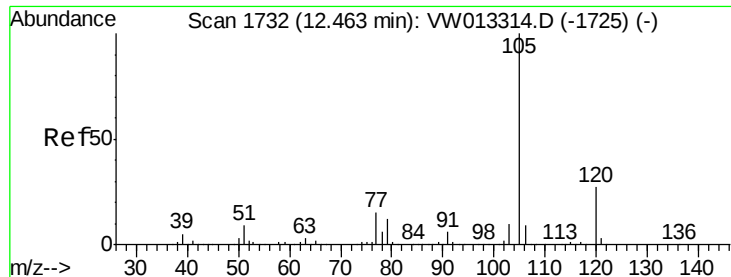
Tgt Ion:104 Resp: 33753

Ion Ratio Lower Upper

104 100

78 43.7 29.8 55.4





#57

Isopropylbenzene

Concen: 1.949 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

MDL06

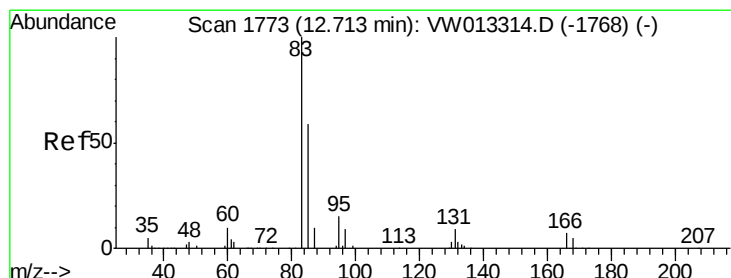
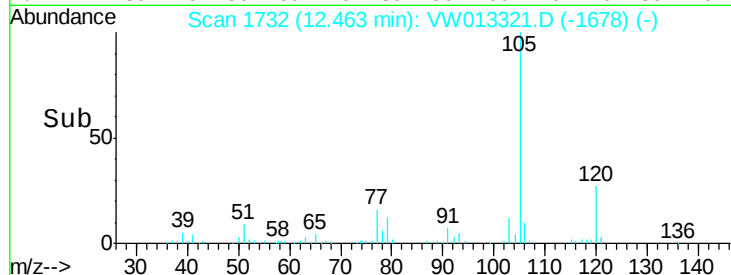
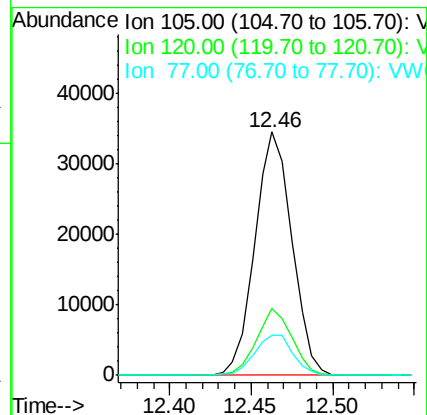
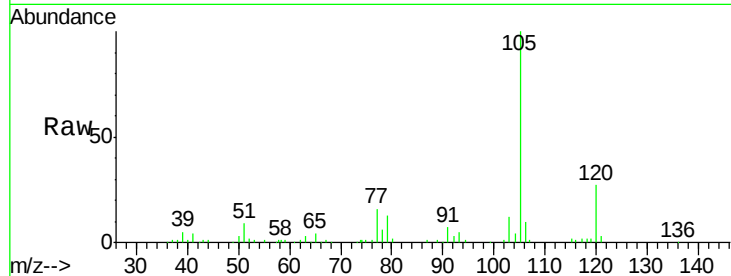
Tot Ion:105 Resp: 54760

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.2

77 17.2 11.8 17.6



#58

1,1,2,2-Tetrachloroethane

Concen: 2.151 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

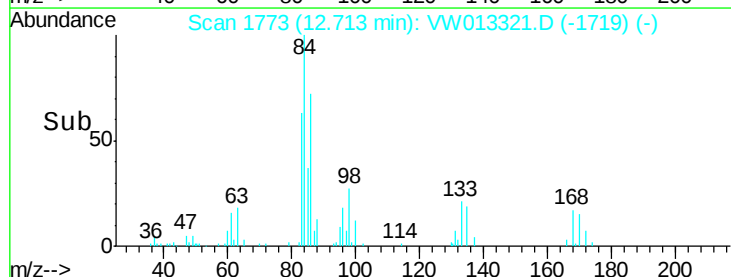
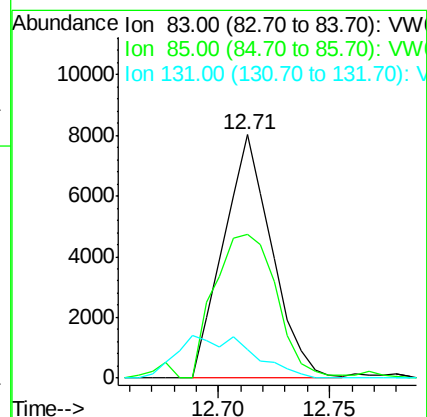
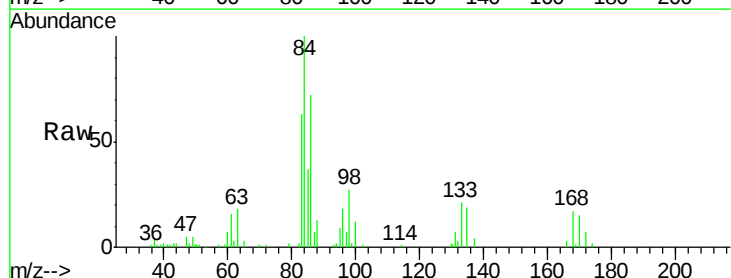
Tgt Ion: 83 Resp: 12139

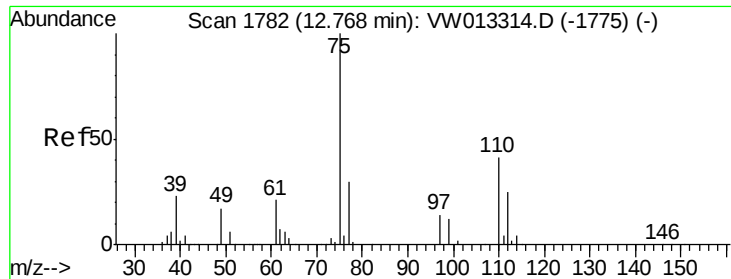
Ion Ratio Lower Upper

83 100

85 59.1 45.2 84.0

131 11.6 8.9 13.3





#59

1,2,3-Trichloropropane

Concen: 2.186 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

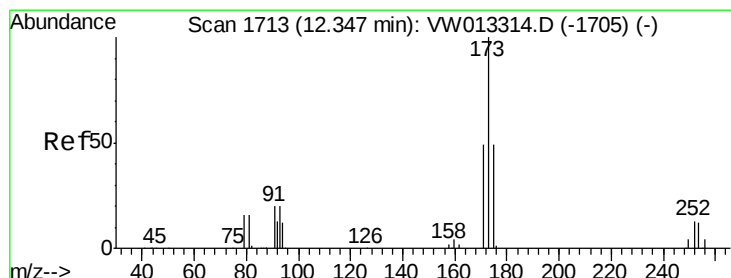
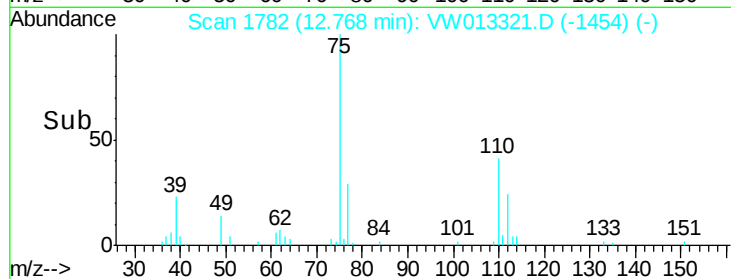
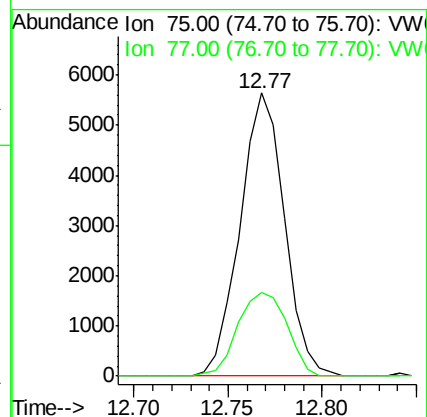
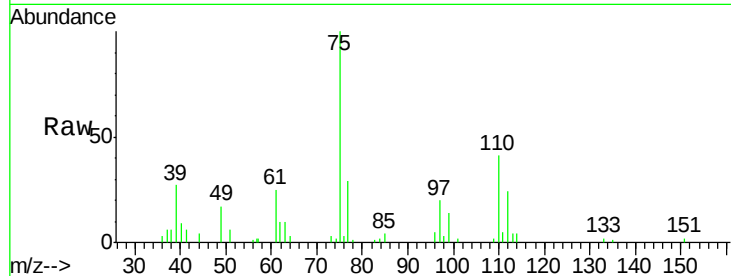
MDL06

Tot Ion: 75 Resp: 9204

Ion Ratio Lower Upper

75 100

77 32.9 25.8 38.8



#62

Bromoform

Concen: 1.996 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

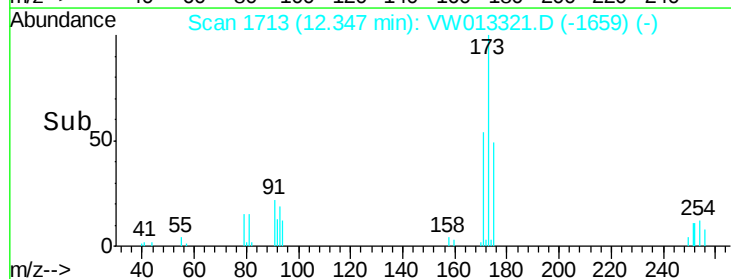
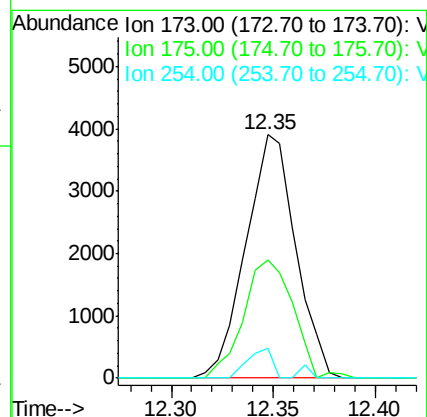
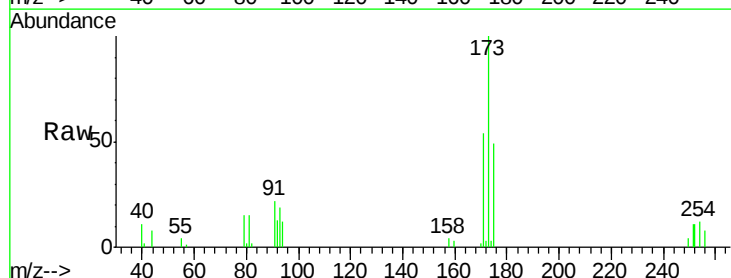
Tgt Ion:173 Resp: 6643

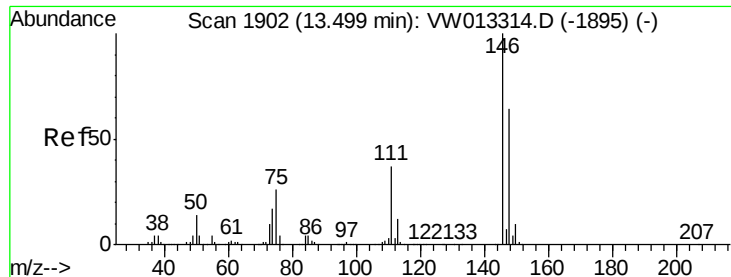
Ion Ratio Lower Upper

173 100

175 47.6 39.3 58.9

254 6.0 9.1 13.7#

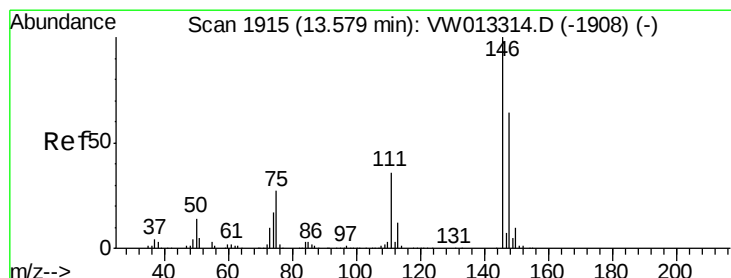
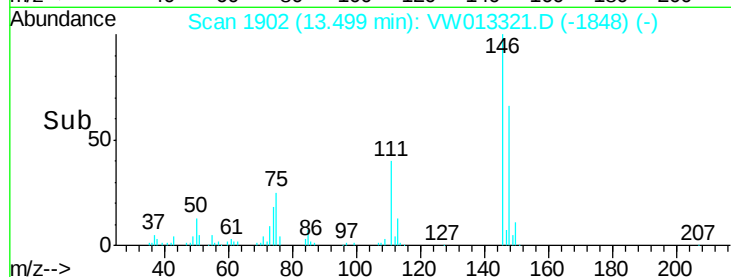
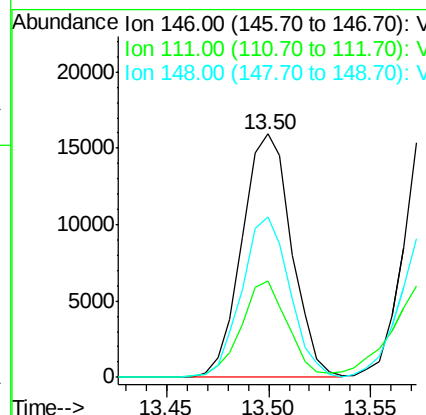
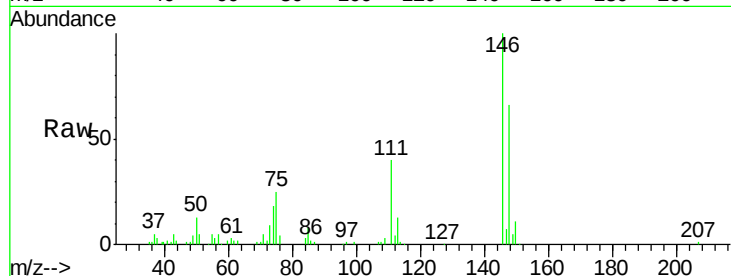




#63
 1,3-Dichlorobenzene
 Concen: 2.075 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013321.D
 Acq: 27 Sep 2019 14:26

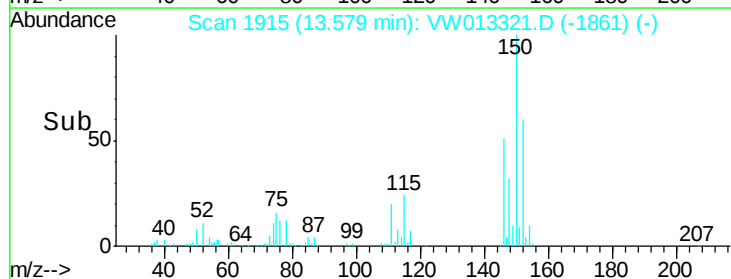
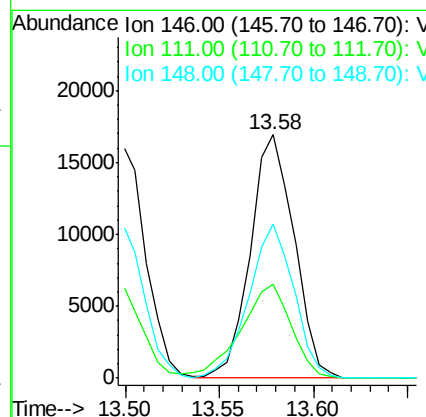
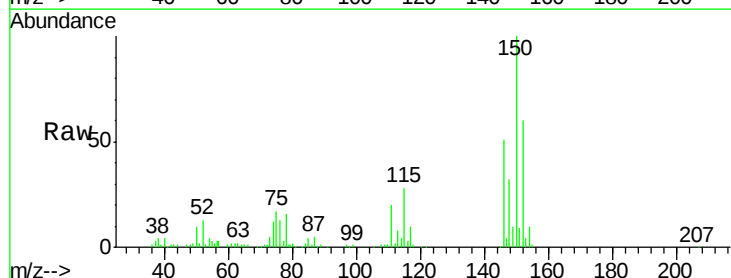
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

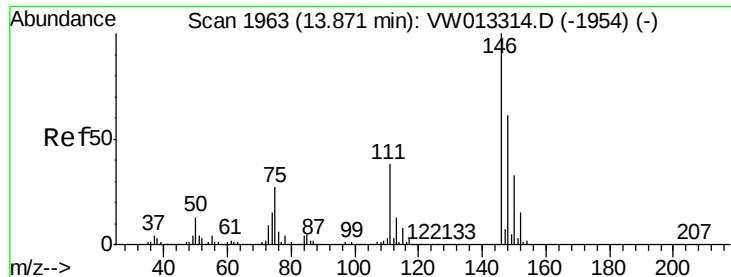
Tot Ion:146 Resp: 26865
 Ion Ratio Lower Upper
 146 100
 111 39.5 26.7 49.5
 148 65.8 45.0 83.6



#64
 1,4-Dichlorobenzene
 Concen: 2.083 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013321.D
 Acq: 27 Sep 2019 14:26

Tgt Ion:146 Resp: 27256
 Ion Ratio Lower Upper
 146 100
 111 38.8 24.2 45.0
 148 63.2 45.1 83.7





#65

1,2-Dichlorobenzene

Concen: 2.084 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampled :

MDL06

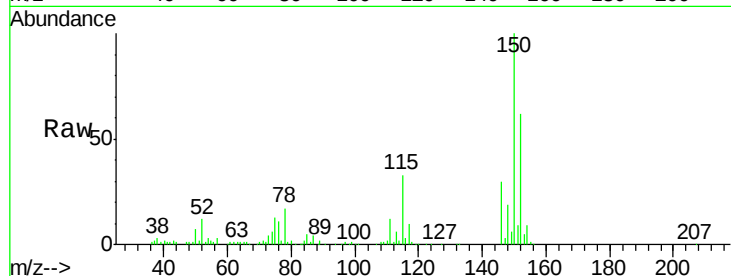
Tot Ion:146 Resp: 24547

Ion Ratio Lower Upper

146 100

111 41.3 30.8 46.2

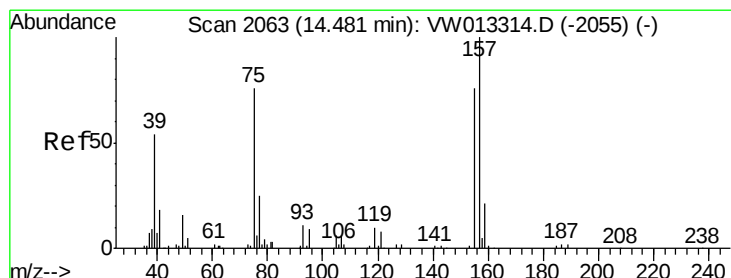
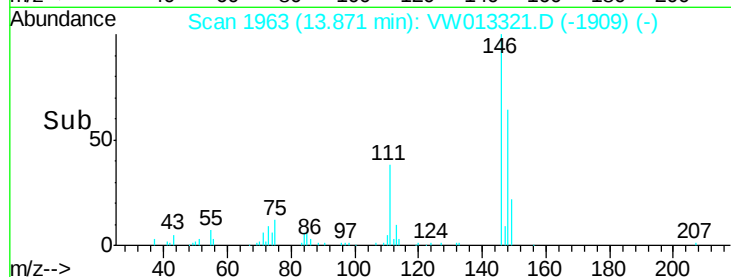
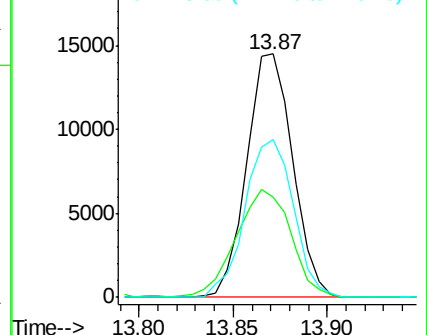
148 64.8 52.5 78.7



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: 1.803 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

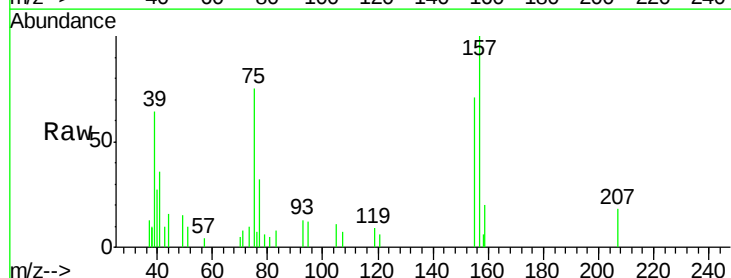
Tgt Ion: 75 Resp: 1673

Ion Ratio Lower Upper

75 100

157 132.6 97.8 146.8

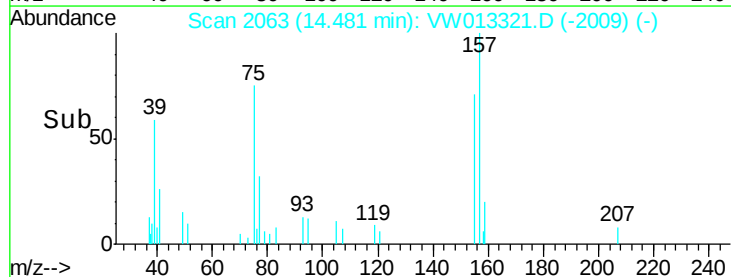
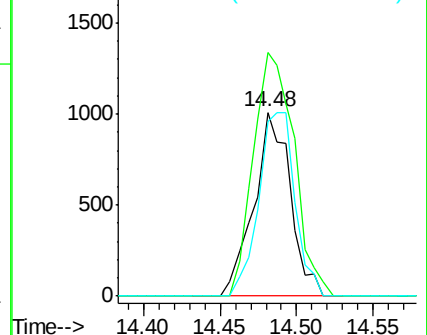
155 94.7 78.4 117.6

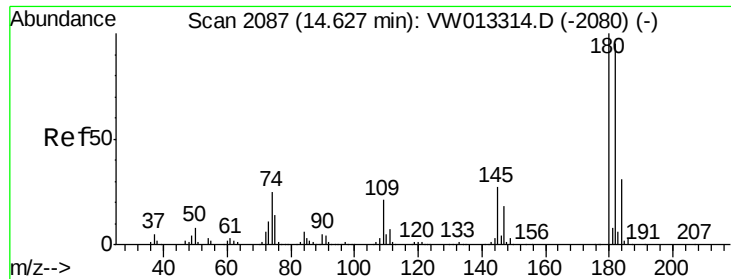


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

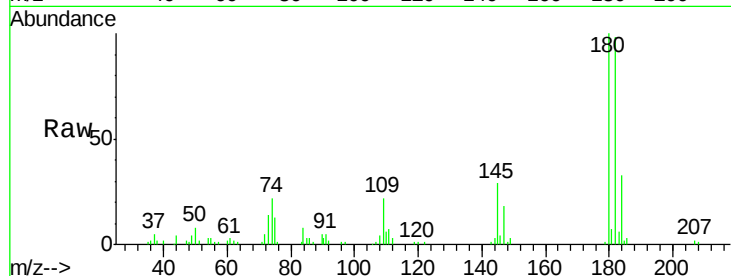




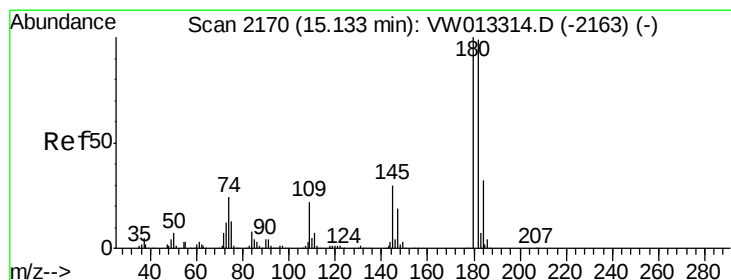
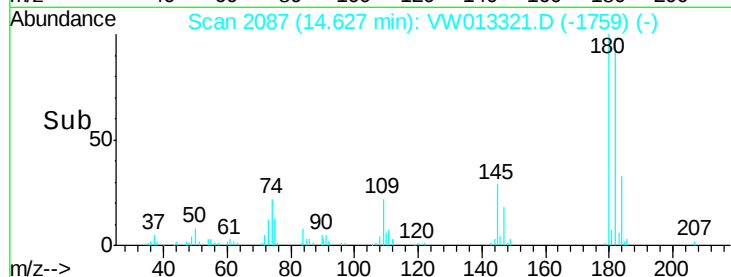
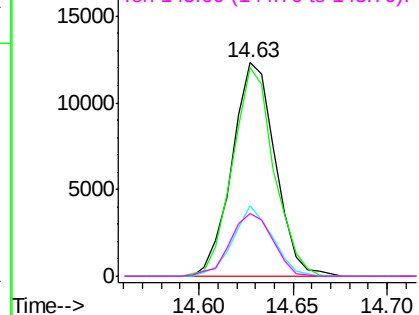
#67
 1,3,5-Trichlorobenzene
 Concen: 1.959 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013321.D
 Acq: 27 Sep 2019 14:26

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Tot Ion:180 Resp: 19524
 Ion Ratio Lower Upper
 180 100
 182 94.1 76.4 114.6
 184 29.8 23.9 35.9
 145 29.1 21.7 32.5

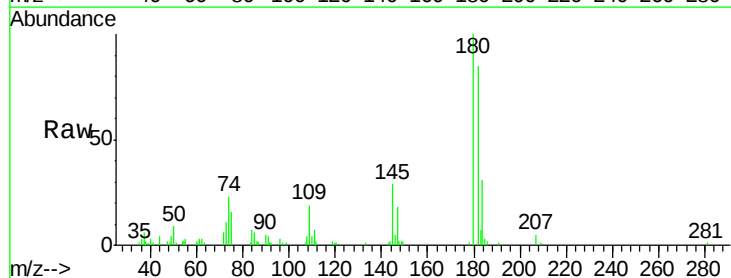


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

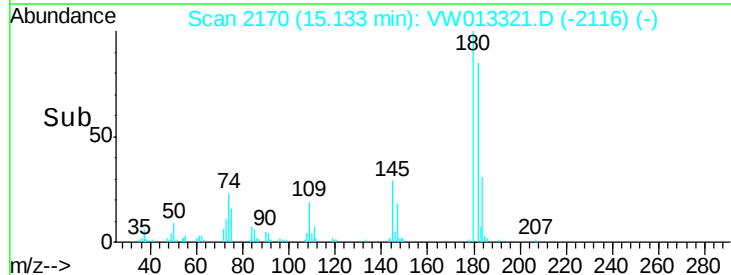
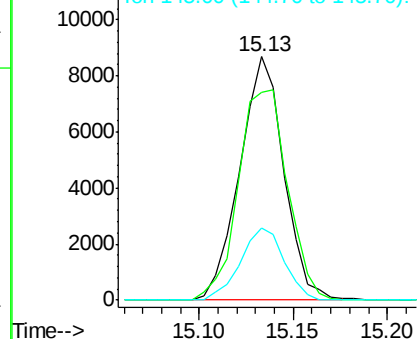


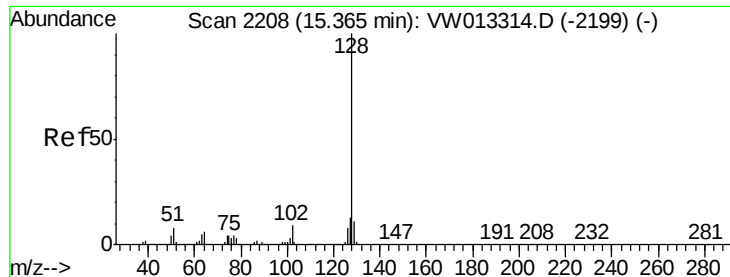
#68
 1,2,4-trichlorobenzene
 Concen: 1.772 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013321.D
 Acq: 27 Sep 2019 14:26

Tgt Ion:180 Resp: 14103
 Ion Ratio Lower Upper
 180 100
 182 96.3 75.9 113.9
 145 29.1 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: 1.518 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampled :

MDL06

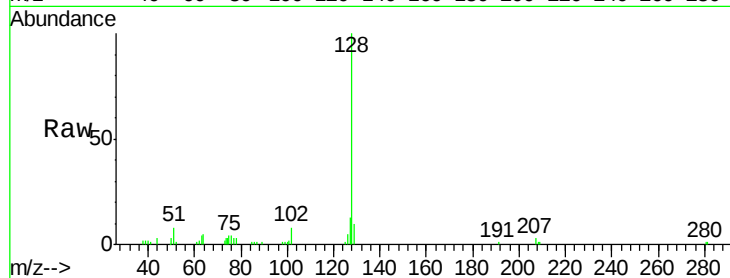
Tot Ion:128 Resp: 23070

Ion Ratio Lower Upper

128 100

129 11.6 8.7 13.1

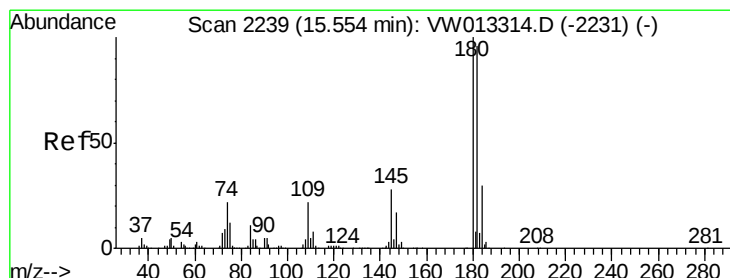
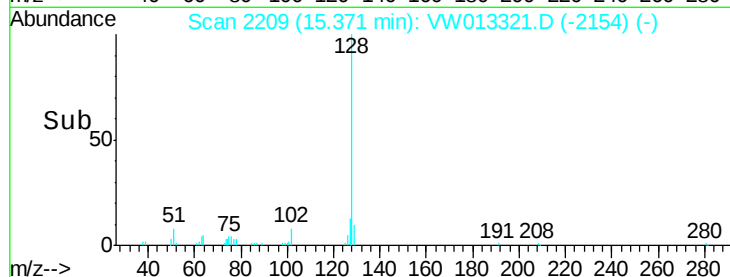
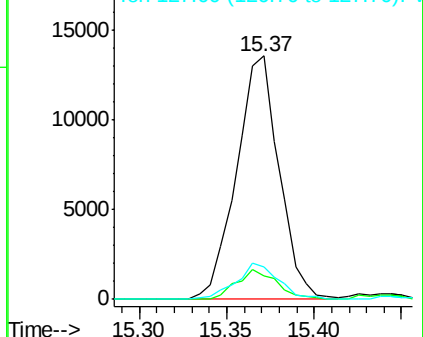
127 14.3 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.813 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW013321.D

Acq: 27 Sep 2019 14:26

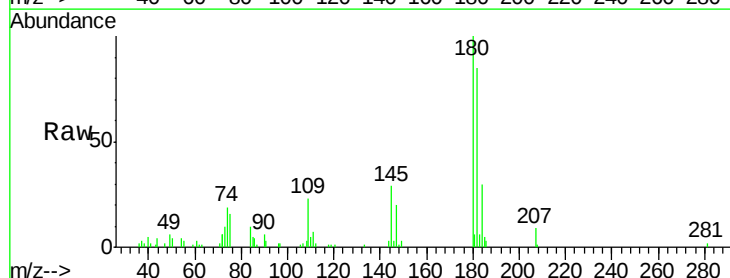
Tgt Ion:180 Resp: 13120

Ion Ratio Lower Upper

180 100

182 94.5 78.2 117.4

145 32.0 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

