

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092619\
 Data File : VW013305.D
 Acq On : 26 Sep 2019 14:26
 Operator : SY/VA
 Sample : MDL 2 PPB
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Quant Time: Sep 26 19:09:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092619S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 26 12:57:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	487452	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	431652	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	219314	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	141047	24.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.08%
7) Chloroethane-d5	2.89	69	112076	24.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.08%
10) 1,1-Dichloroethene-d2	4.01	63	210072	18.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.44%
20) 2-Butanone-d5	7.07	46	94741	47.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.32%
24) Chloroform-d	7.65	84	251783	22.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.64%
26) 1,2-Dichloroethane-d4	8.31	65	142709	24.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.12%
29) Benzene-d6	8.27	84	558438	23.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.32%
33) 1,2-Dichloropropane-d6	9.27	67	164359	23.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.12%
37) Toluene-d8	10.32	98	525221	23.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.20%
38) trans-1,3-Dichloropropene-	10.58	79	73496	23.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.68%
39) 2-Hexanone-d5	10.93	63	76312	49.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	144189	24.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	190487	24.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	3921	1.285	ug/L	98
3) Chloromethane	2.21	50	8484	2.076	ug/L	85
5) Vinyl chloride	2.35	62	11616	2.055	ug/L #	65
6) Bromomethane	2.78	94	7069	1.967	ug/L	98
8) Chloroethane	2.92	64	6431	1.875	ug/L	92
9) Trichlorofluoromethane	3.25	101	5489	1.567	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	8756	1.581	ug/L #	77
12) 1,1-Dichloroethene	4.03	96	6427	1.144	ug/L #	1
13) Acetone	4.14	43	7265	4.345	ug/L	73
14) Carbon disulfide	4.38	76	30551	1.915	ug/L #	91
15) Methyl Acetate	4.67	43	6274	1.945	ug/L #	82
18) trans-1,2-Dichloroethene	5.42	96	12030	2.002	ug/L	87
19) 1,1-Dichloroethane	6.21	63	20515	1.947	ug/L	95
21) 2-Butanone	7.18	43	9052	3.759	ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	12970	1.981	ug/L	88
23) Bromochloromethane	7.51	128	6033	2.048	ug/L	91
25) Chloroform	7.68	83	22807	2.202	ug/L	90

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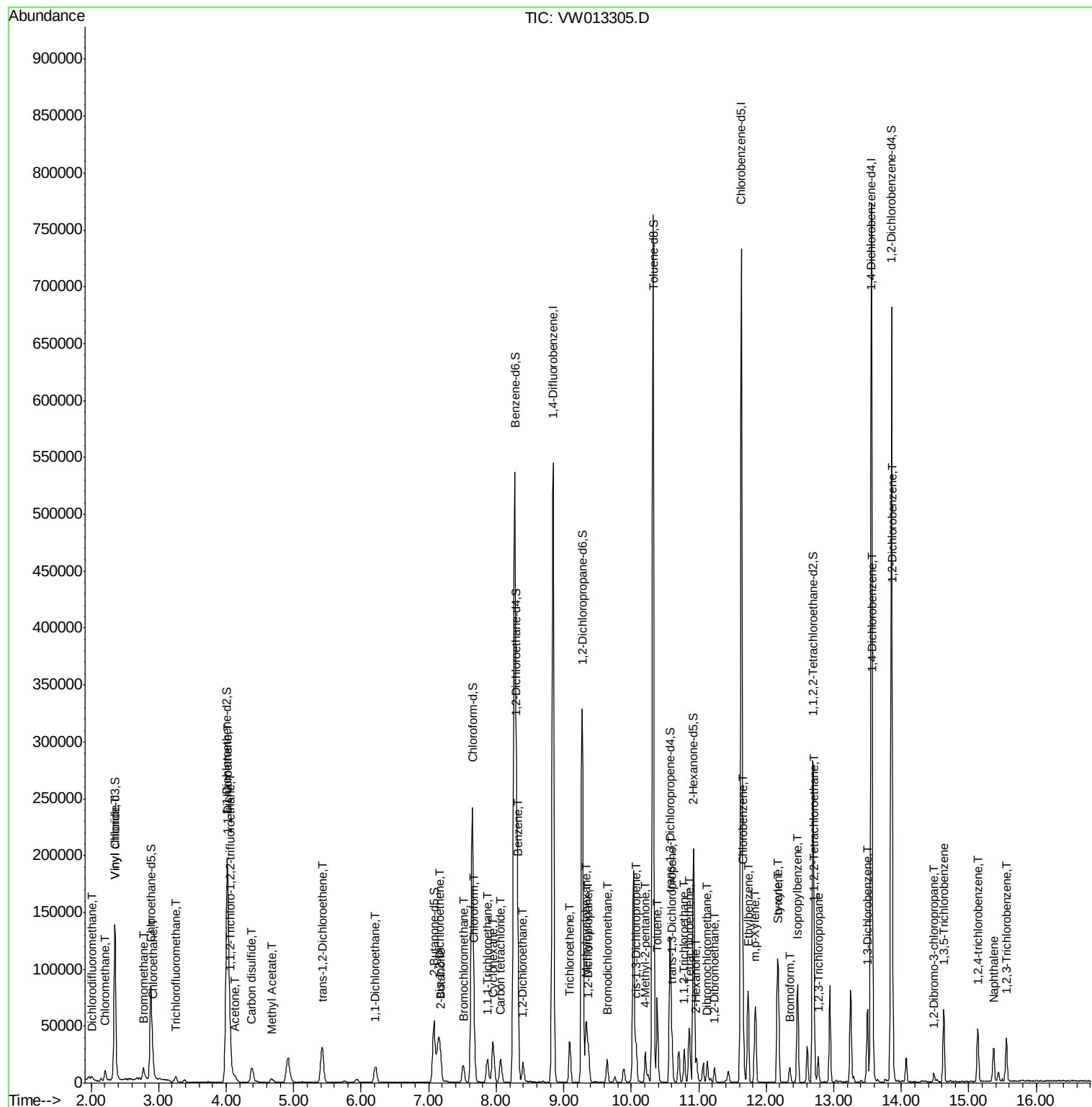
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27) 1,2-Dichloroethane	8.40	62	14239	2.099	ug/L	94
30) Cyclohexane	7.95	56	20221	1.951	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	16818	2.030	ug/L	98
32) Carbon tetrachloride	8.07	117	16113	2.040	ug/L	99
34) Benzene	8.32	78	53788	2.223	ug/L	100
35) Trichloroethene	9.09	95	13091	2.059	ug/L	98
36) Methylcyclohexane	9.33	83	21401	1.890	ug/L	98
40) 1,2-Dichloropropane	9.37	63	12690	2.131	ug/L	99
41) Bromodichloromethane	9.64	83	14260	1.952	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	22231	2.338	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	19052	4.180	ug/L	99
44) Toluene	10.38	91	54479	2.068	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	17809	2.330	ug/L	91
46) 1,1,2-Trichloroethane	10.79	97	9394	2.014	ug/L	97
47) Tetrachloroethene	10.86	164	11936	2.087	ug/L	94
49) 2-Hexanone	10.97	43	11960	3.651	ug/L #	92
50) Dibromochloromethane	11.12	129	11155	2.085	ug/L	90
51) 1,2-Dibromoethane	11.24	107	9502	2.073	ug/L #	98
52) Chlorobenzene	11.66	112	34247	2.063	ug/L	98
53) Ethylbenzene	11.73	91	57690	1.975	ug/L	94
54) m,p-Xylene	11.84	106	22286	1.987	ug/L	97
55) o-xylene	12.16	106	20195	1.908	ug/L	98
56) Styrene	12.18	104	34571	1.905	ug/L	98
57) Isopropylbenzene	12.46	105	55504	1.940	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	12399	2.157	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	8543	1.992	ug/L	100
62) Bromoform	12.35	173	6885	1.984	ug/L #	93
63) 1,3-Dichlorobenzene	13.50	146	27361	2.027	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	28531	2.092	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	26082	2.124	ug/L	92
66) 1,2-Dibromo-3-chloropropan	14.48	75	2067	2.137	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	20551	1.978	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	16099	1.941	ug/L	99
69) Naphthalene	15.36	128	26528	1.674	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	14776	1.959	ug/L #	89

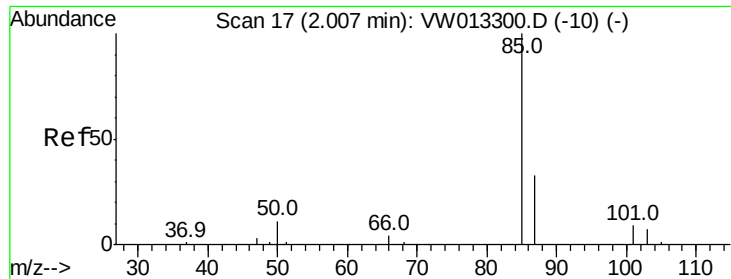
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.285 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

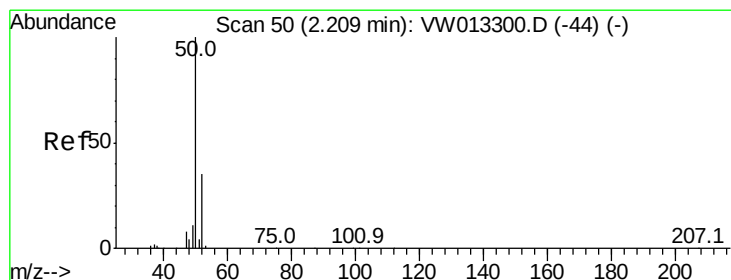
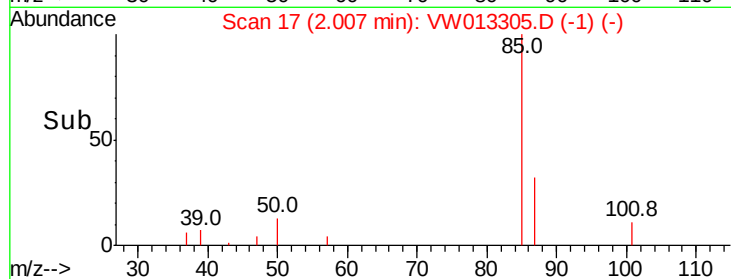
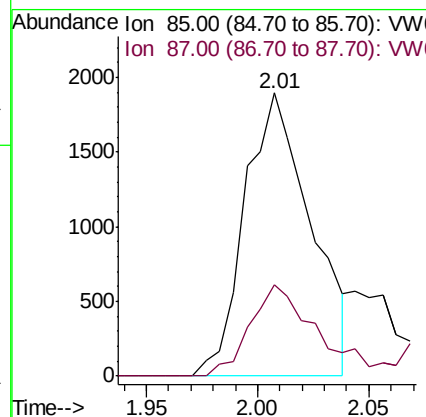
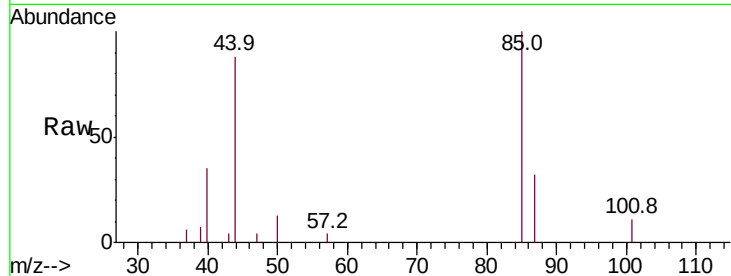
MDL01

Tot Ion: 85 Resp: 3921

Ion Ratio Lower Upper

85 100

87 29.6 21.3 39.6



#3

Chloromethane

Concen: 2.076 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013305.D

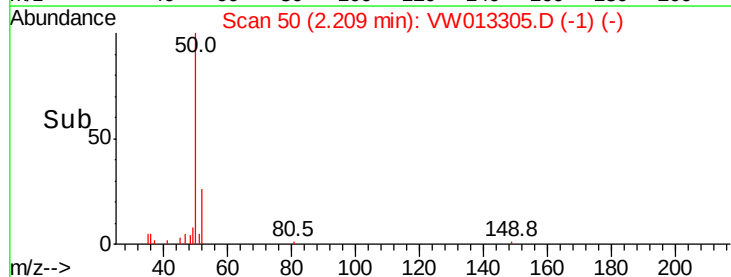
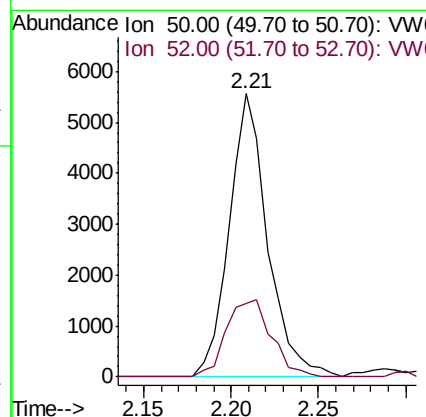
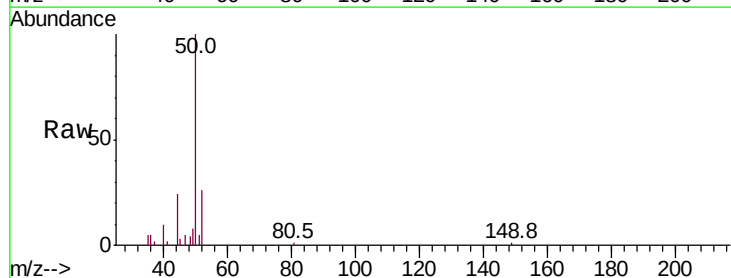
Acq: 26 Sep 2019 14:26

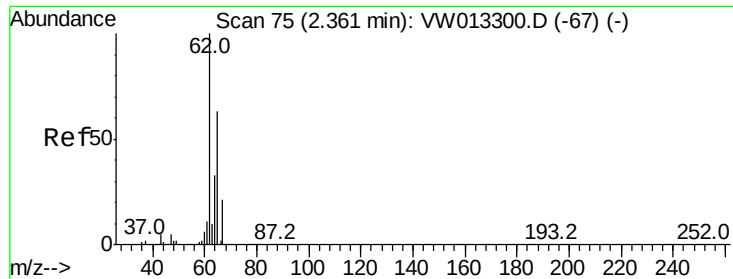
Tgt Ion: 50 Resp: 8484

Ion Ratio Lower Upper

50 100

52 26.1 24.4 45.4





#5

Vinyl chloride

Concen: 2.055 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampled :

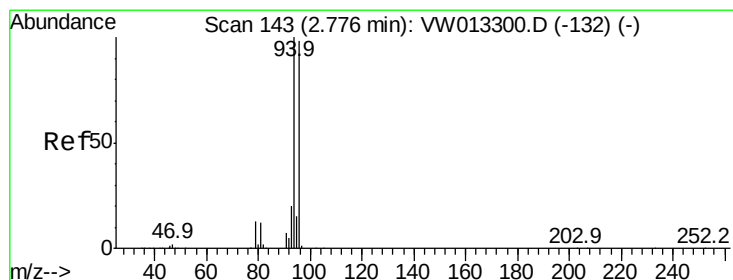
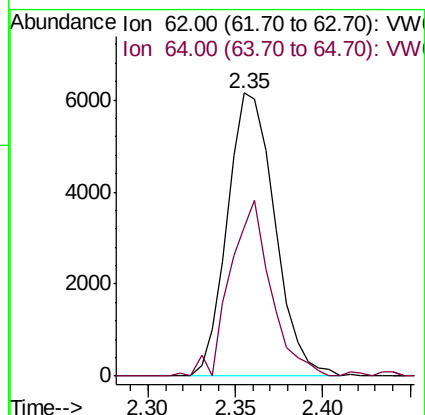
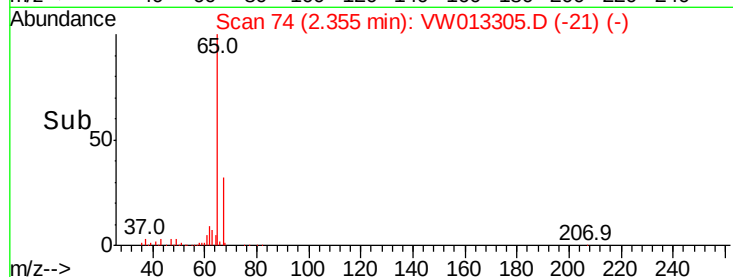
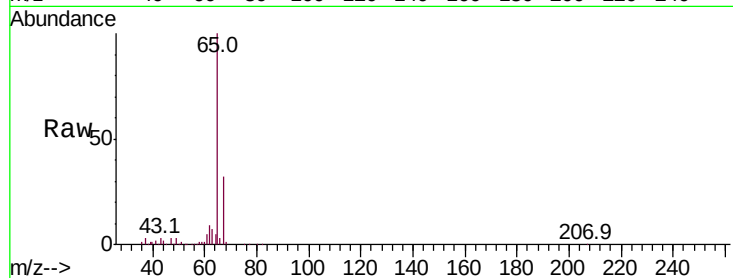
MDL01

Tot Ion: 62 Resp: 11616

Ion Ratio Lower Upper

62 100

64 52.7 23.2 43.0#



#6

Bromomethane

Concen: 1.967 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW013305.D

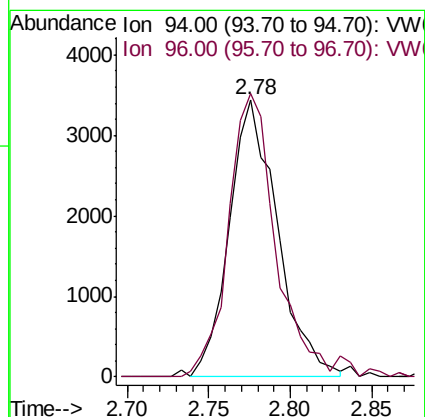
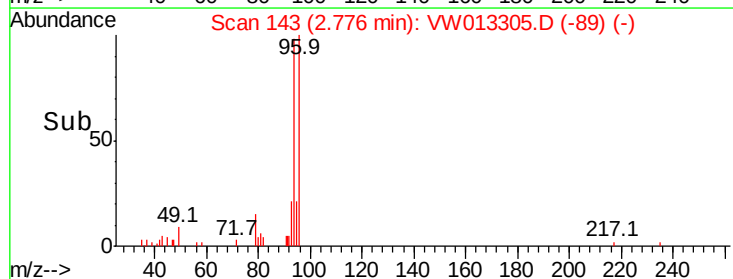
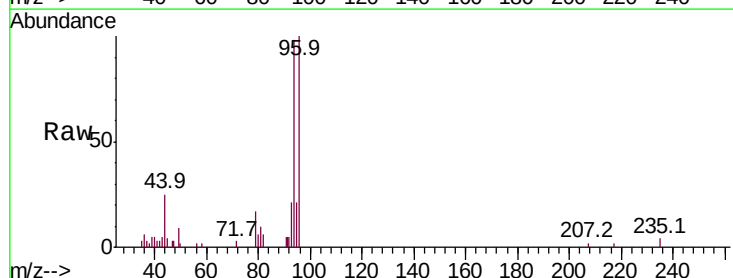
Acq: 26 Sep 2019 14:26

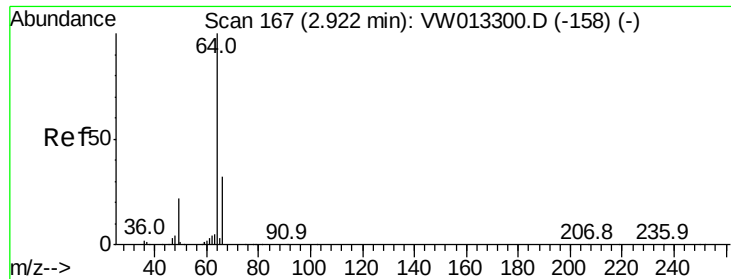
Tgt Ion: 94 Resp: 7069

Ion Ratio Lower Upper

94 100

96 99.1 9.7 184.3





#8

Chloroethane

Concen: 1.875 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

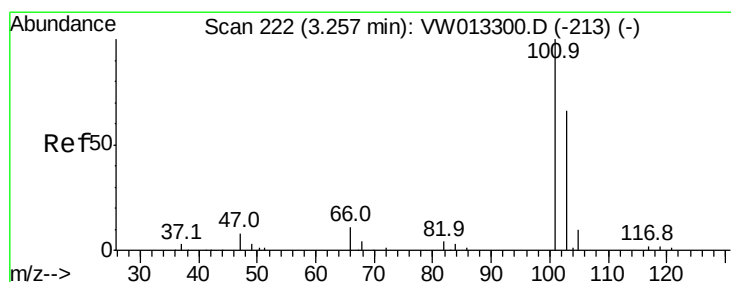
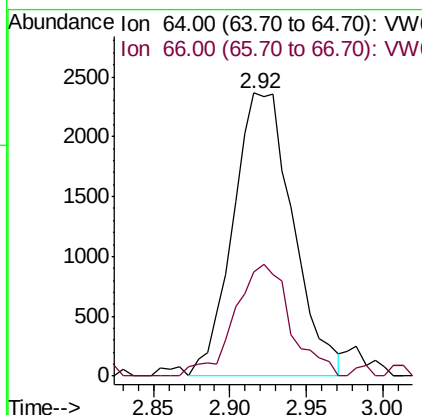
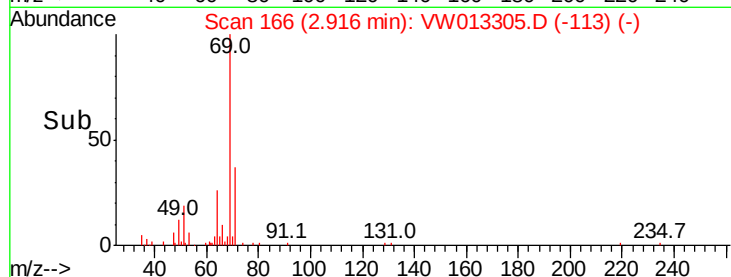
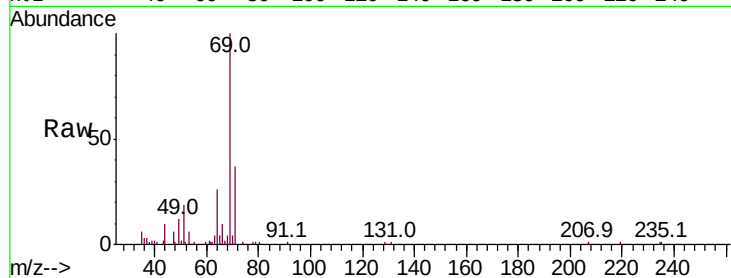
MDL01

Tot Ion: 64 Resp: 6431

Ion Ratio Lower Upper

64 100

66 37.0 22.7 42.1



#9

Trichlorofluoromethane

Concen: 1.567 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW013305.D

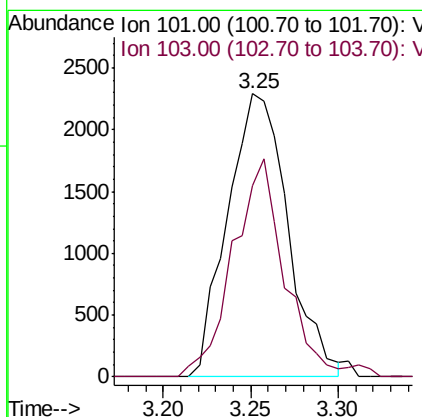
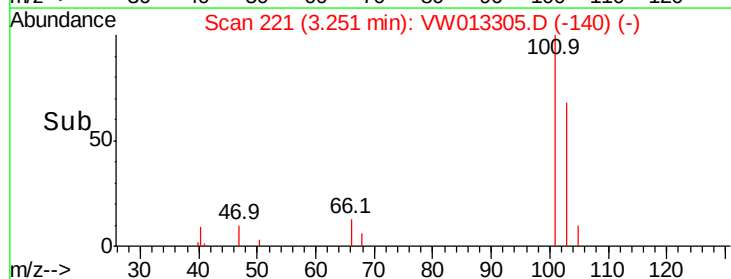
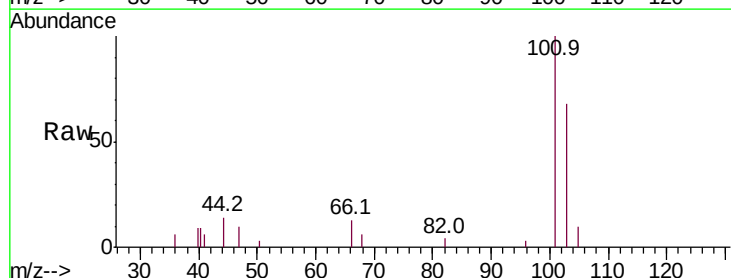
Acq: 26 Sep 2019 14:26

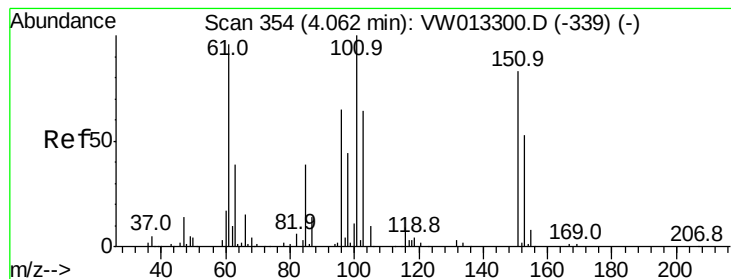
Tgt Ion: 101 Resp: 5489

Ion Ratio Lower Upper

101 100

103 65.2 45.2 84.0





#11

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

Concen: 1.581 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

MDL01

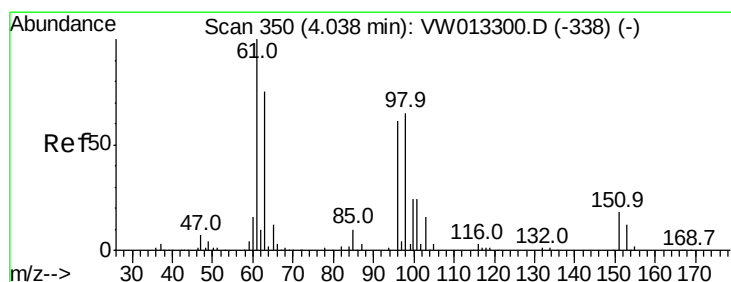
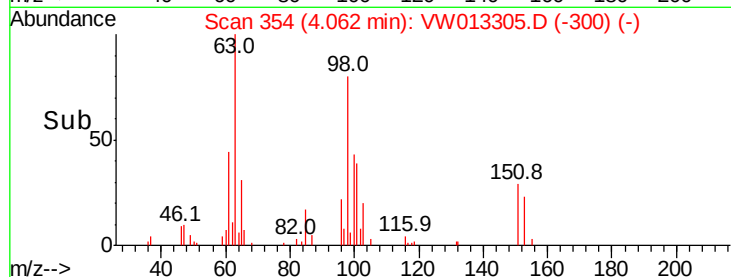
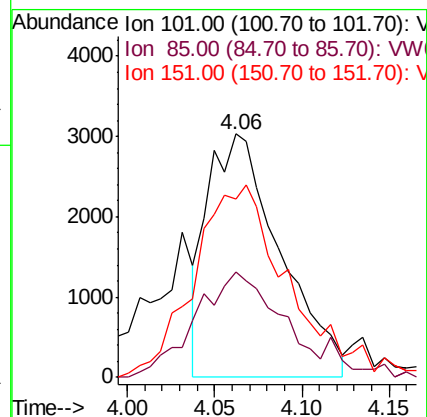
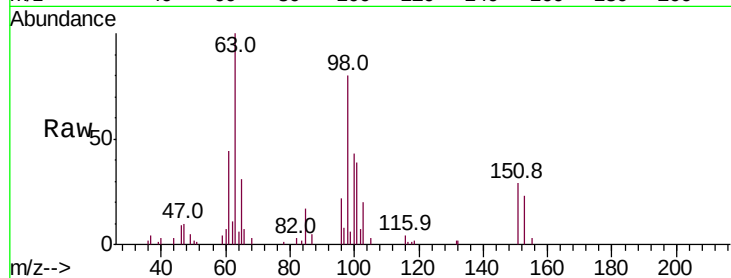
Tot Ion:101 Resp: 8756

Ion Ratio Lower Upper

101 100

85 50.3 31.8 47.8#

151 58.2 65.4 98.0#



#12

1,1-Dichloroethene

Concen: 1.144 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

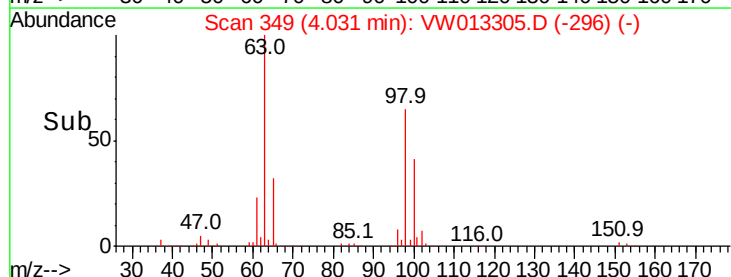
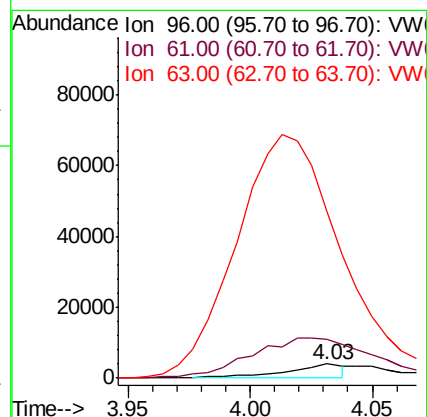
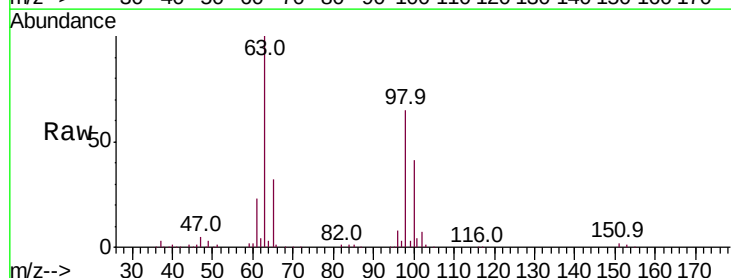
Tgt Ion: 96 Resp: 6427

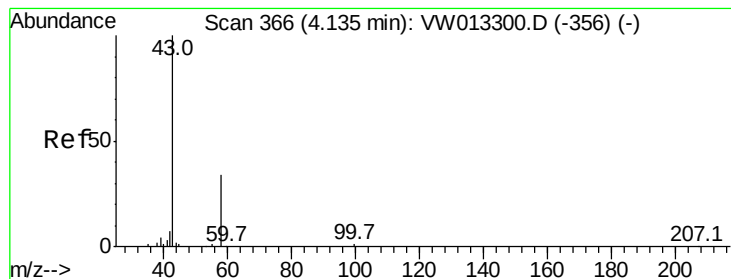
Ion Ratio Lower Upper

96 100

61 275.2 115.9 215.3#

63 1199.1 88.9 165.1#





#13

Acetone

Concen: 4.345 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.00 min

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Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampled :

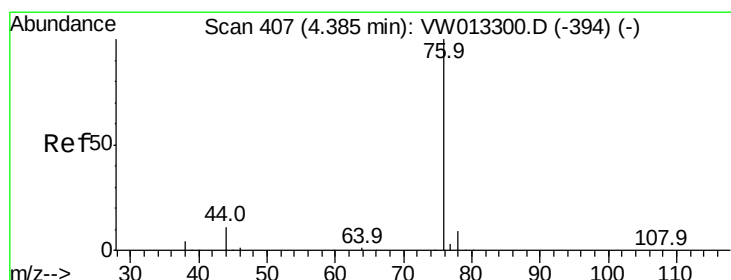
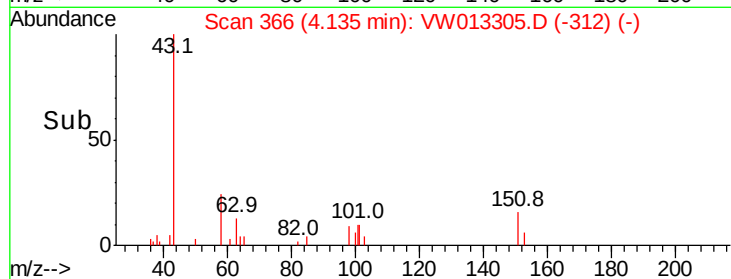
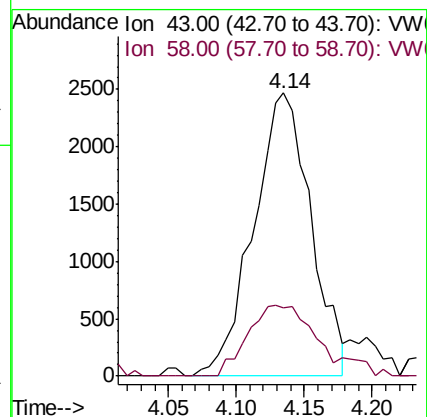
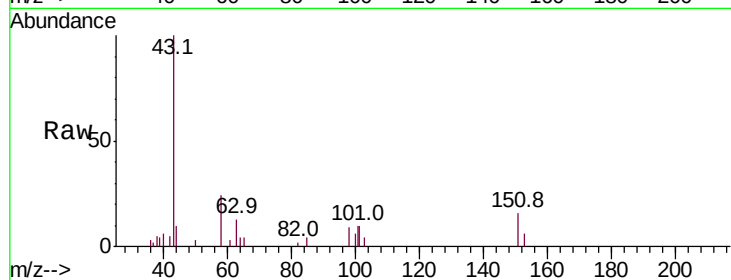
MDL01

Tot Ion: 43 Resp: 7265

Ion Ratio Lower Upper

43 100

58 16.7 0.0 63.2



#14

Carbon disulfide

Concen: 1.915 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW013305.D

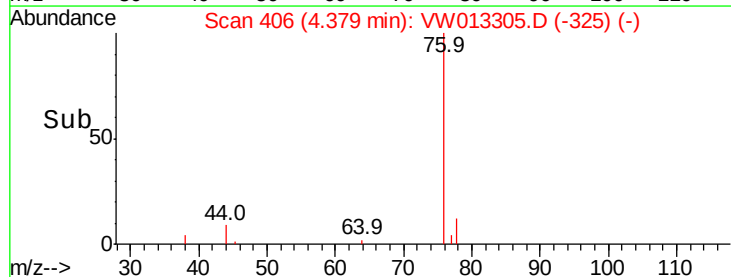
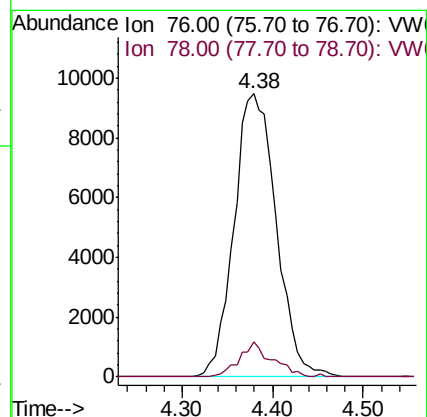
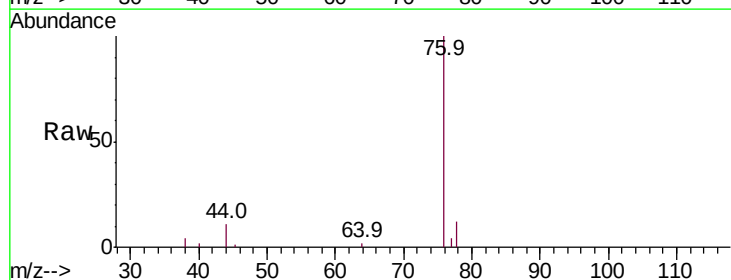
Acq: 26 Sep 2019 14:26

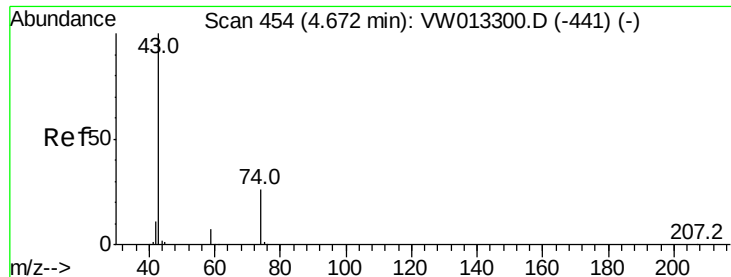
Tgt Ion: 76 Resp: 30551

Ion Ratio Lower Upper

76 100

78 12.3 7.2 10.8#

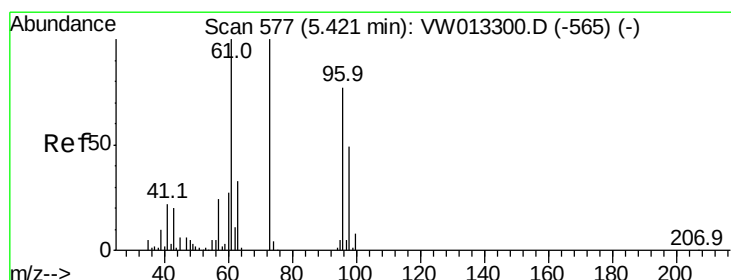
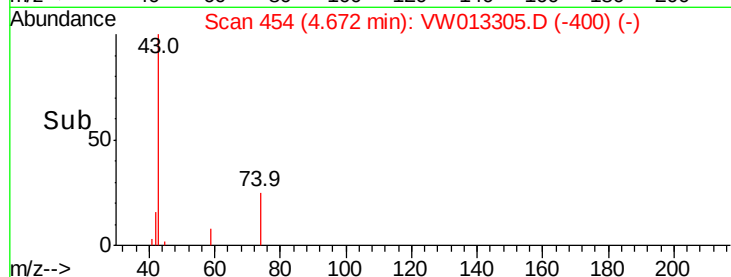
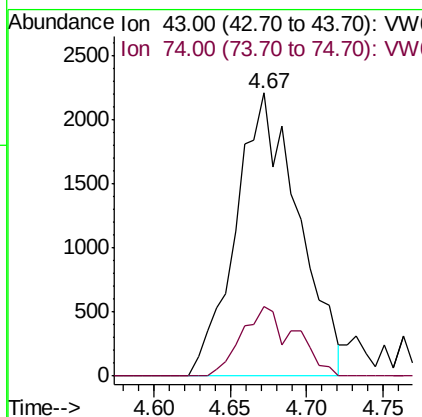
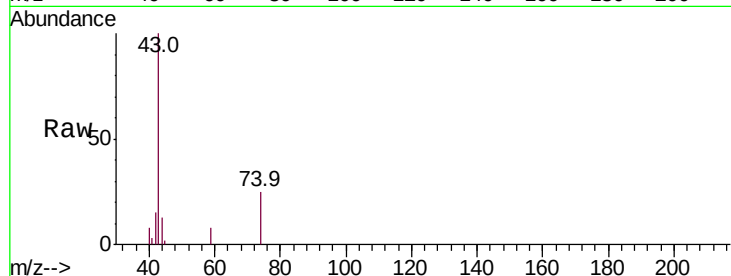




#15
Methvl Acetate
Concen: 1.945 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

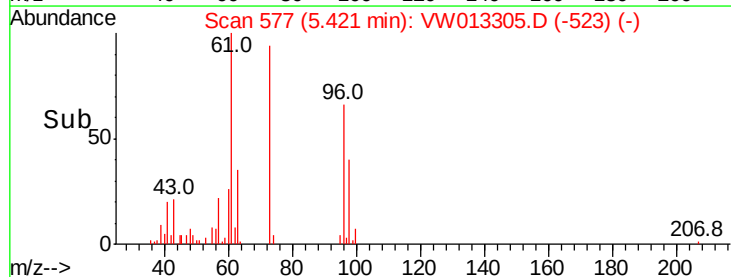
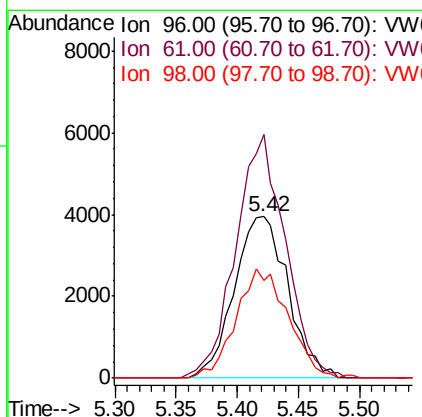
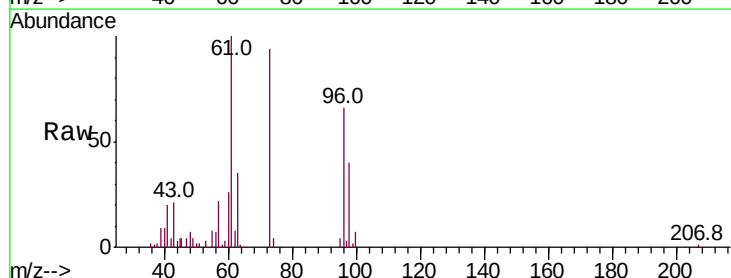
Instrument :
MSVOA_W
ClientSampled :
MDL01

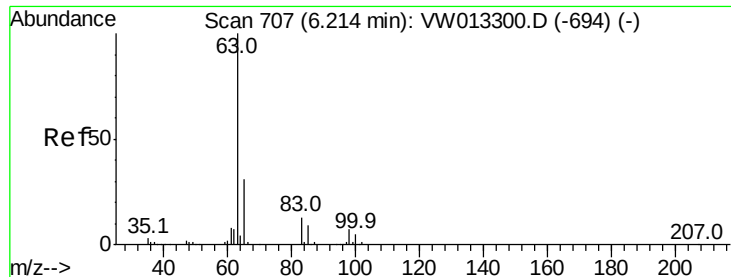
Tot Ion: 43 Resp: 6274
Ion Ratio Lower Upper
43 100
74 14.6 18.7 28.1#



#18
trans-1,2-Dichloroethene
Concen: 2.002 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

Tgt Ion: 96 Resp: 12030
Ion Ratio Lower Upper
96 100
61 151.0 91.2 169.4
98 60.4 44.7 82.9





#19

1,1-Dichloroethane

Concen: 1.947 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampled :

MDL01

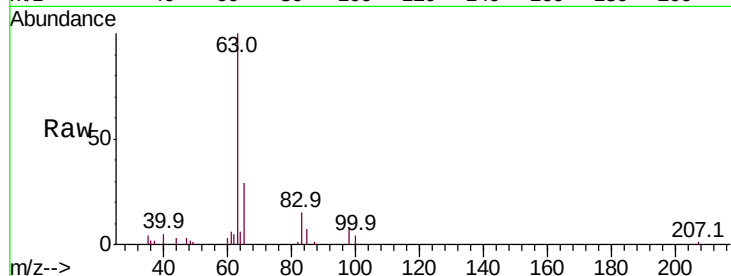
Tot Ion: 63 Resp: 20515

Ion Ratio Lower Upper

63 100

65 28.6 21.8 40.4

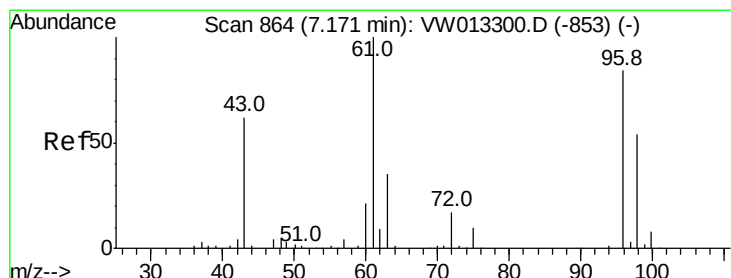
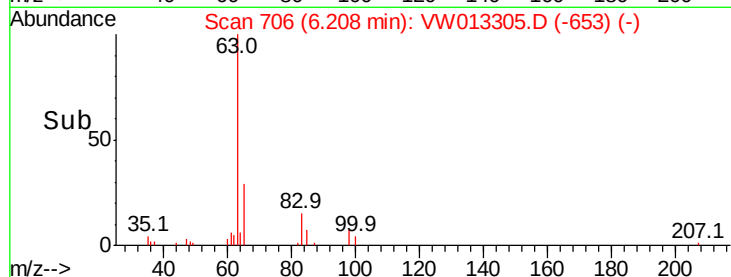
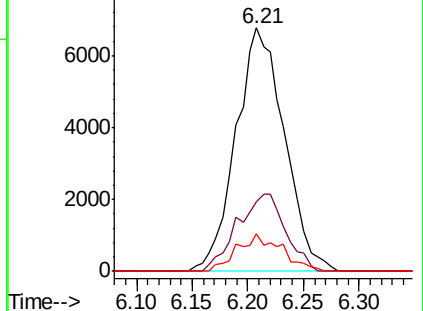
83 15.2 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 3.759 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW013305.D

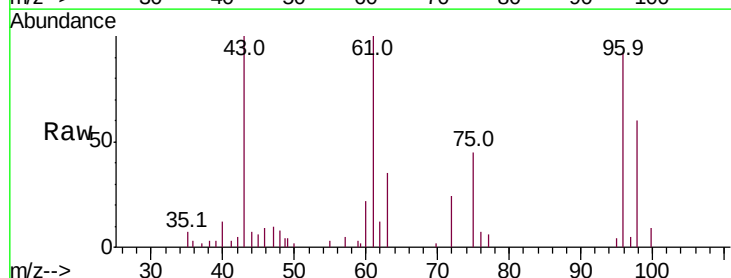
Acq: 26 Sep 2019 14:26

Tgt Ion: 43 Resp: 9052

Ion Ratio Lower Upper

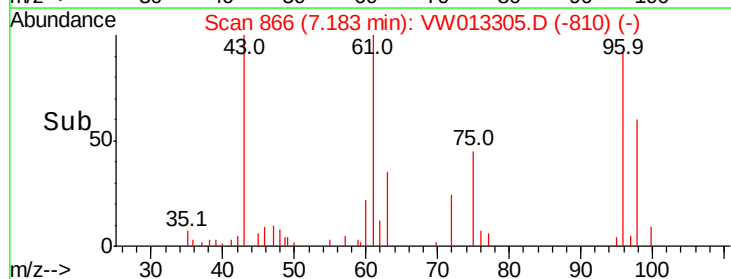
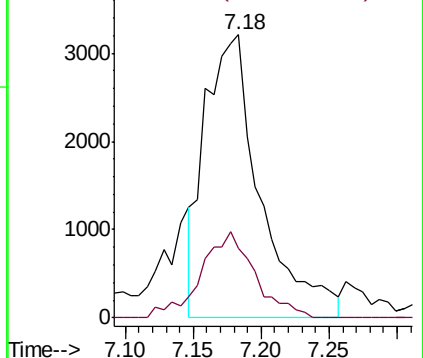
43 100

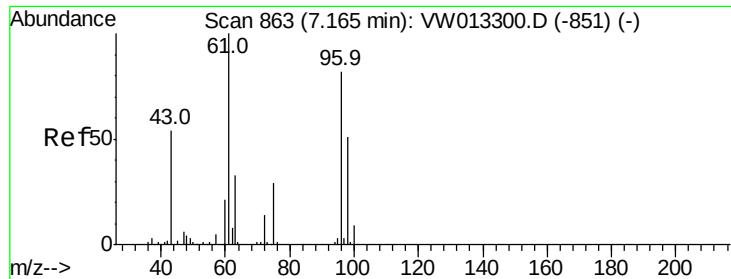
72 29.7 13.2 39.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



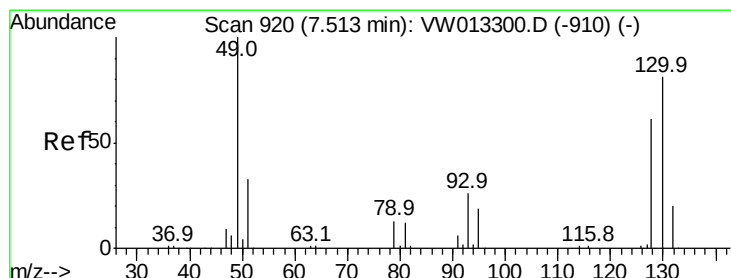
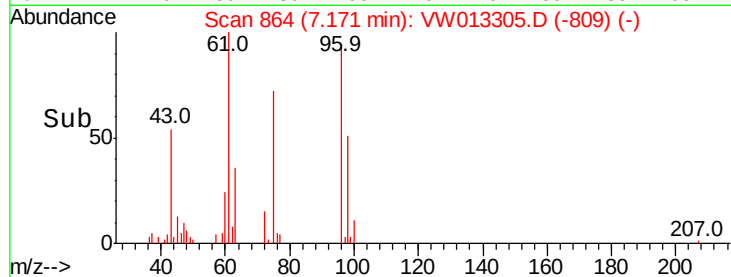
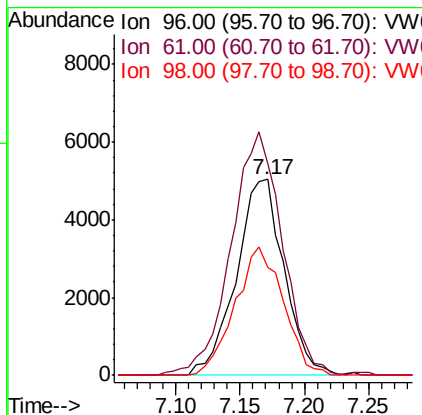
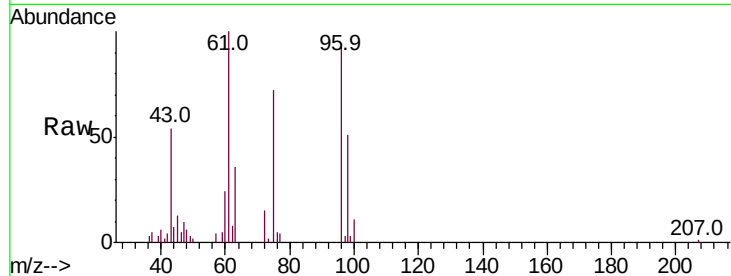


#22

cis-1,2-Dichloroethene
 Concen: 1.981 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013305.D
 Acq: 26 Sep 2019 14:26

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

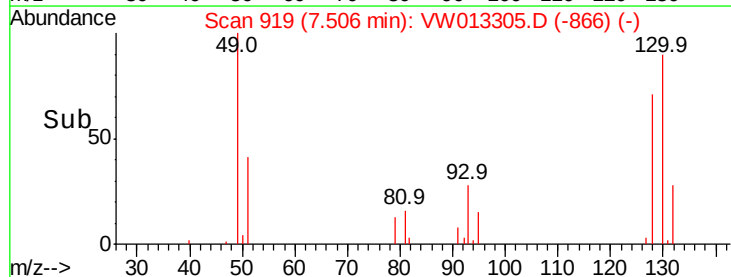
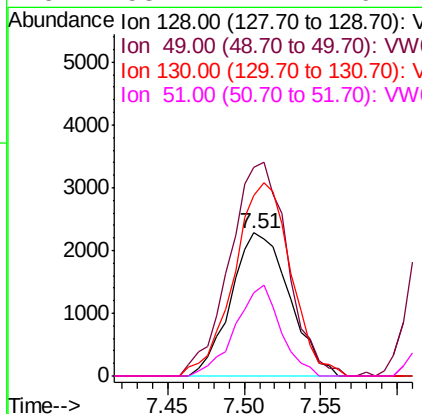
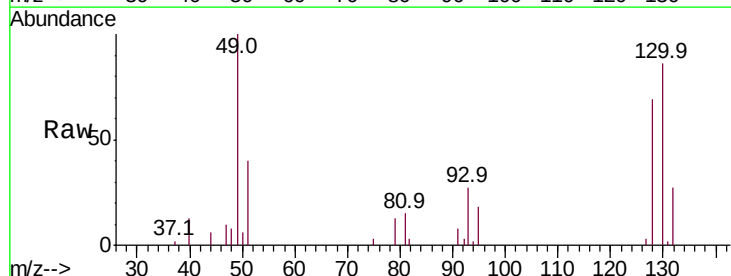
Tot Ion: 96 Resp: 12970
 Ion Ratio Lower Upper
 96 100
 61 107.9 86.0 159.6
 98 55.0 43.5 80.9

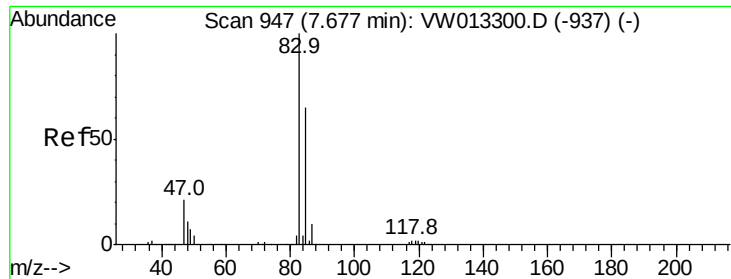


#23

Bromochloromethane
 Concen: 2.048 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW013305.D
 Acq: 26 Sep 2019 14:26

Tgt Ion: 128 Resp: 6033
 Ion Ratio Lower Upper
 128 100
 49 145.9 114.6 212.8
 130 126.1 92.6 172.0
 51 58.2 42.7 64.1





#25

Chloroform

Concen: 2.202 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampled :

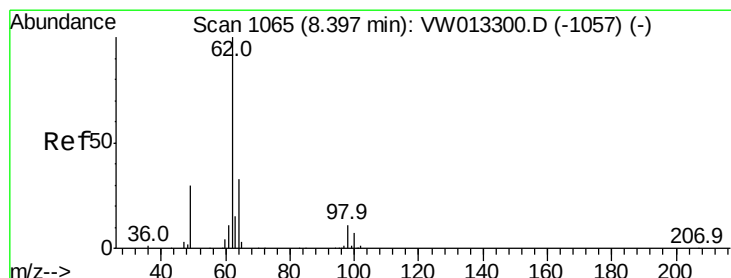
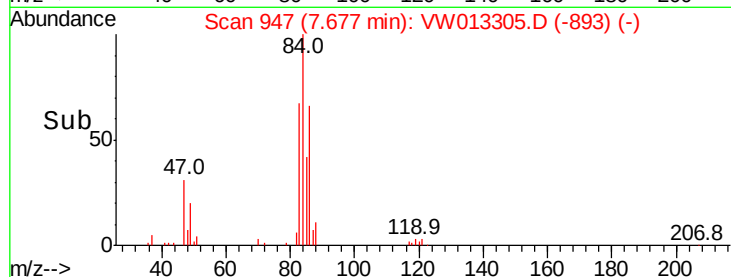
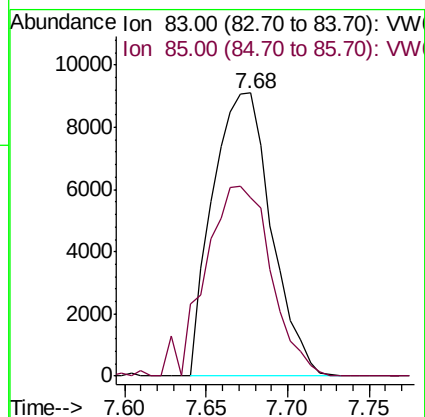
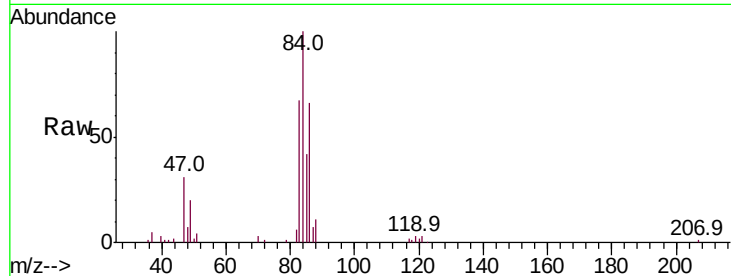
MDL01

Tot Ion: 83 Resp: 22807

Ion Ratio Lower Upper

83 100

85 73.4 45.9 85.3



#27

1,2-Dichloroethane

Concen: 2.099 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW013305.D

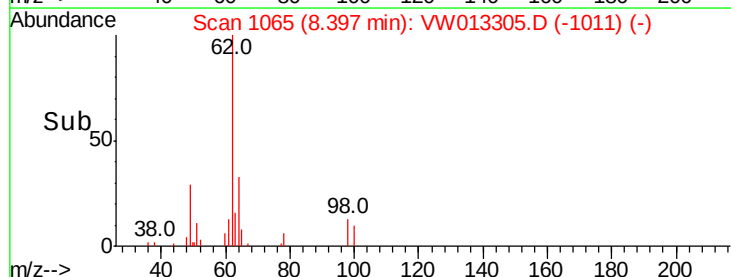
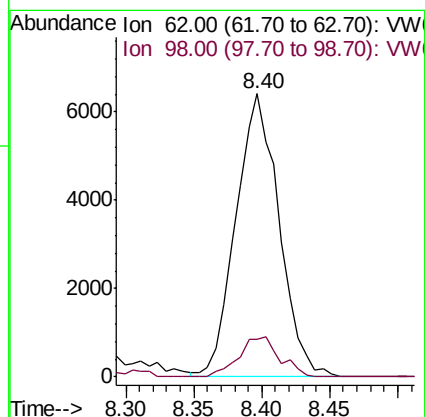
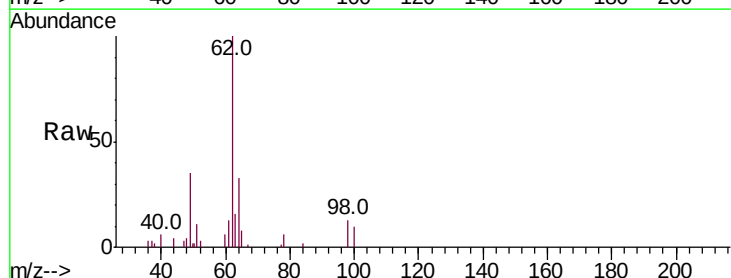
Acq: 26 Sep 2019 14:26

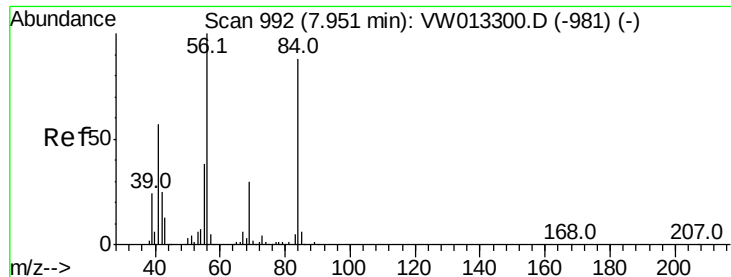
Tgt Ion: 62 Resp: 14239

Ion Ratio Lower Upper

62 100

98 13.5 9.0 13.6

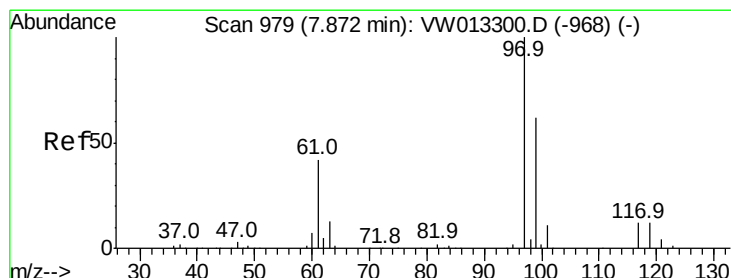
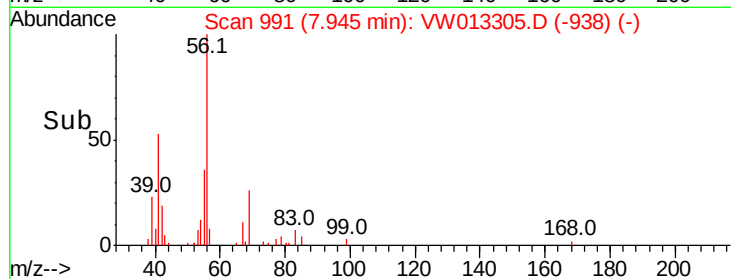
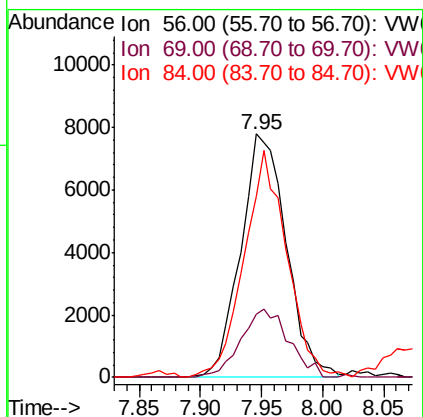
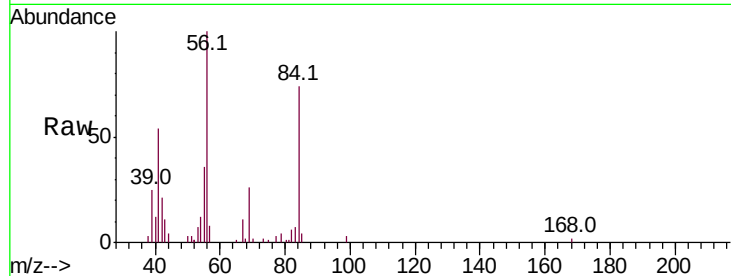




#30
Cyclohexane
Concen: 1.951 ug/L
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

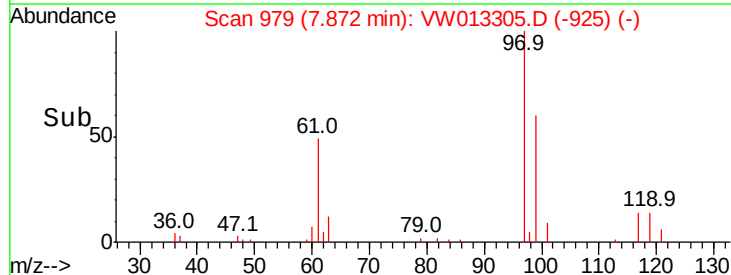
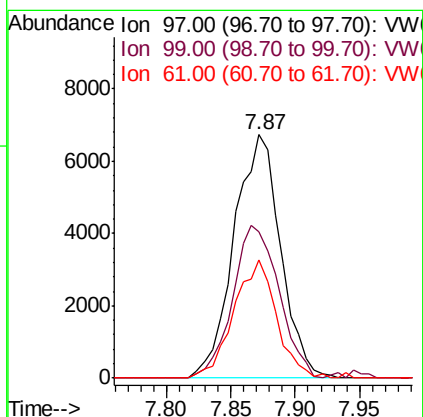
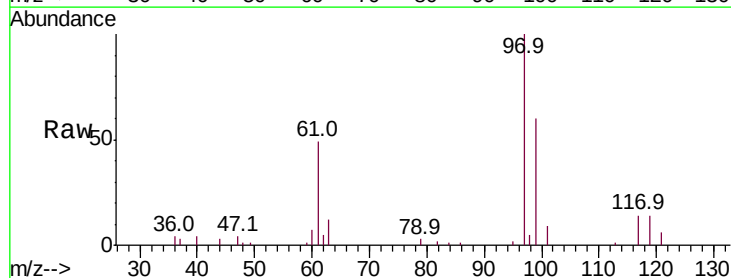
Instrument :
MSVOA_W
ClientSampleId :
MDL01

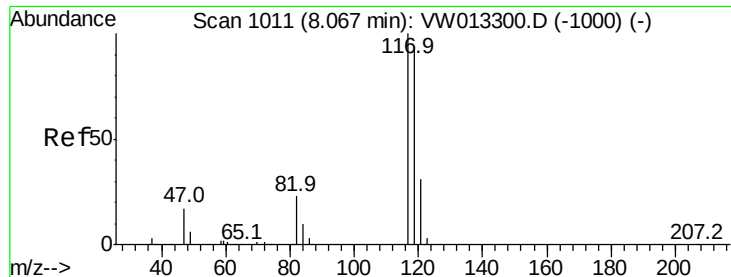
Tot Ion: 56 Resp: 20221
Ion Ratio Lower Upper
56 100
69 29.2 24.6 37.0
84 86.8 69.5 104.3



#31
1,1,1-Trichloroethane
Concen: 2.030 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

Tgt Ion: 97 Resp: 16818
Ion Ratio Lower Upper
97 100
99 62.7 50.6 75.8
61 44.8 34.2 51.2





#32

Carbon tetrachloride

Concen: 2.040 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

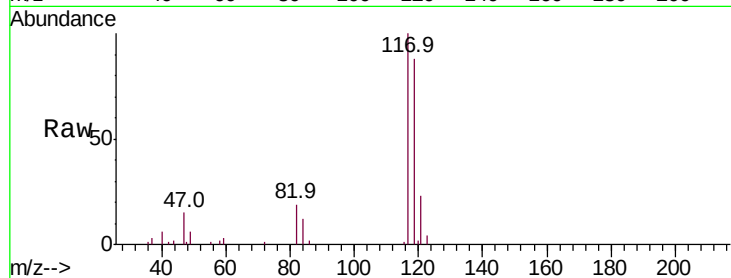
MDL01

Tot Ion:117 Resp: 16113

Ion Ratio Lower Upper

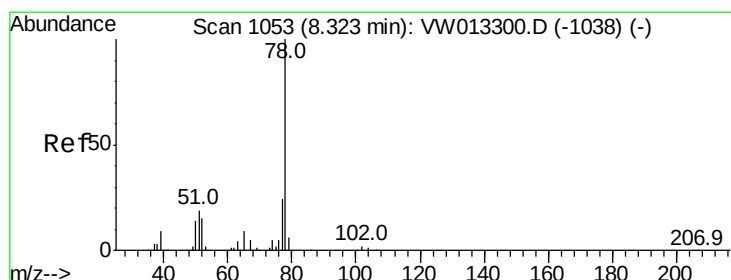
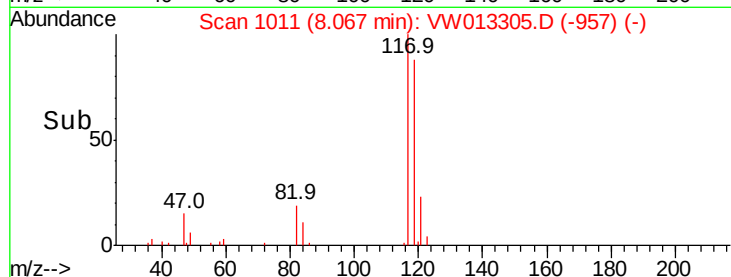
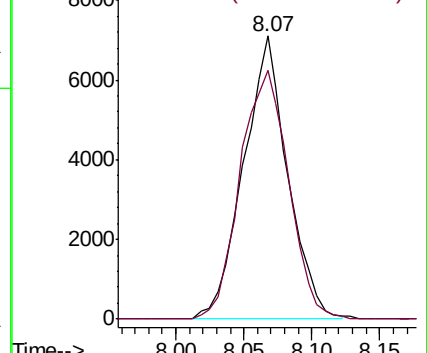
117 100

119 96.4 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: 2.223 ug/L

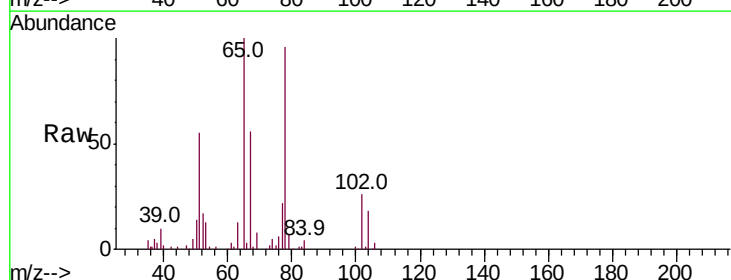
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

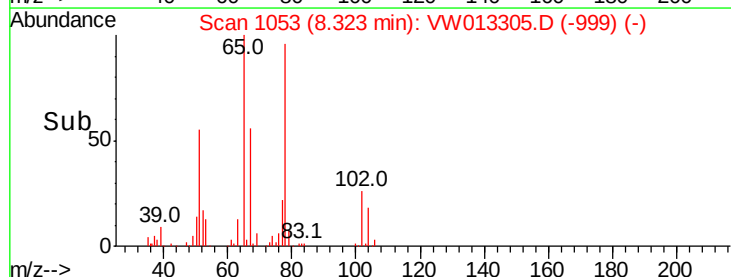
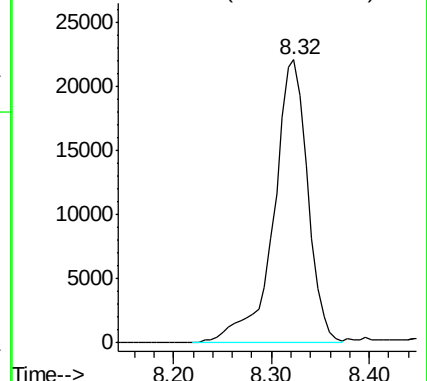
Lab File: VW013305.D

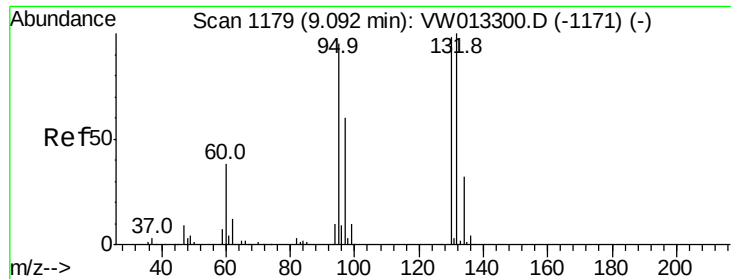
Acq: 26 Sep 2019 14:26

Tgt Ion: 78 Resp: 53788



Abundance Ion 78.00 (77.70 to 78.70): VW

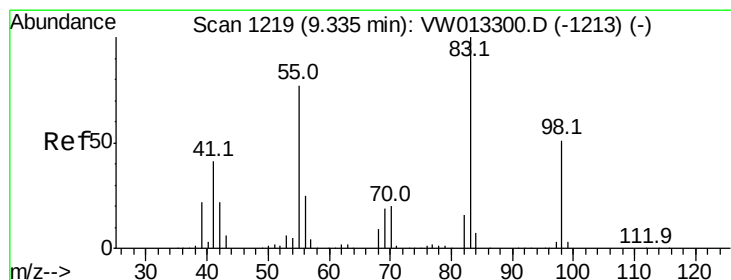
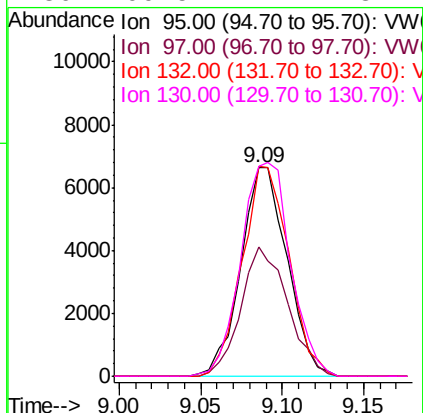
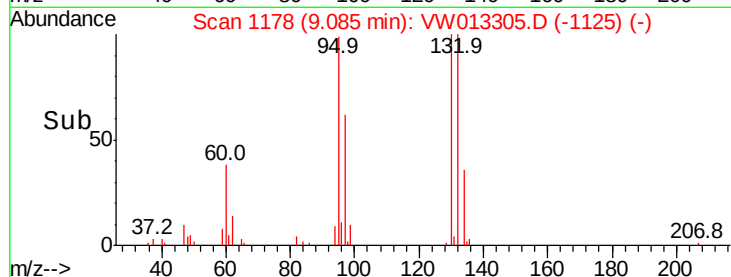
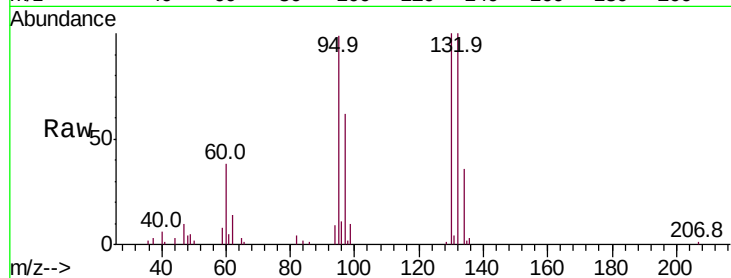




#35
 Trichloroethene
 Concen: 2.059 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW013305.D
 Acq: 26 Sep 2019 14:26

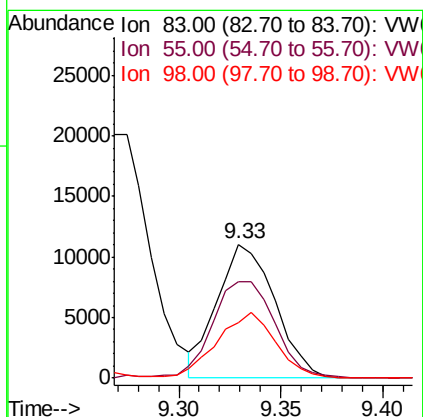
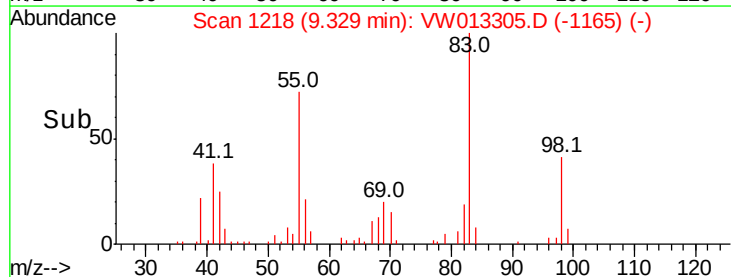
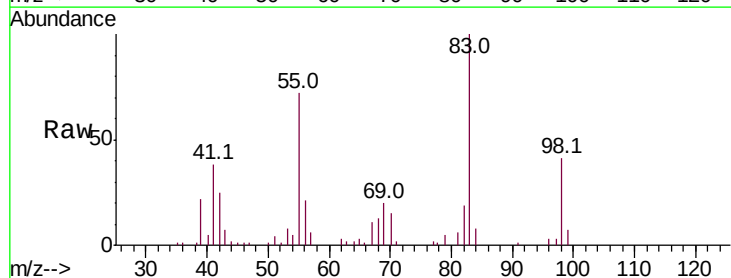
Instrument :
 MSVOA_W
 ClientSampled :
 MDL01

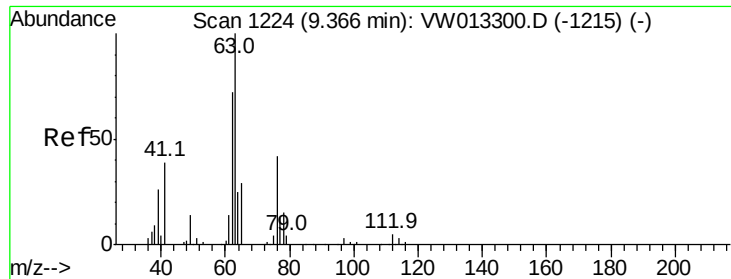
Tot Ion: 95 Resp: 13091
 Ion Ratio Lower Upper
 95 100
 97 63.0 44.3 82.3
 132 101.8 71.7 133.3
 130 109.5 74.1 137.7



#36
 Methylcyclohexane
 Concen: 1.890 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW013305.D
 Acq: 26 Sep 2019 14:26

Tgt Ion: 83 Resp: 21401
 Ion Ratio Lower Upper
 83 100
 55 79.3 61.8 92.6
 98 50.1 39.6 59.4





#40

1,2-Dichloropropane

Concen: 2.131 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

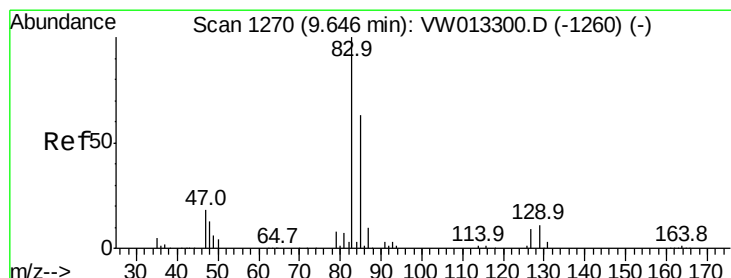
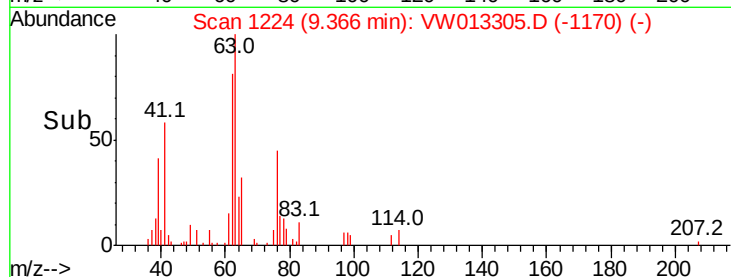
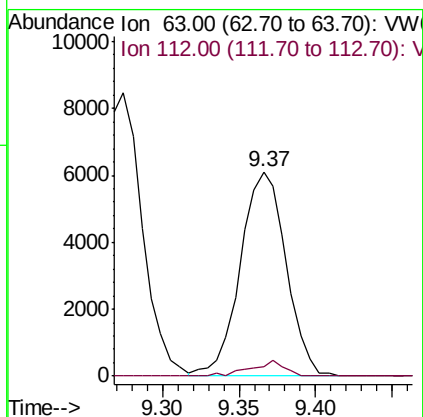
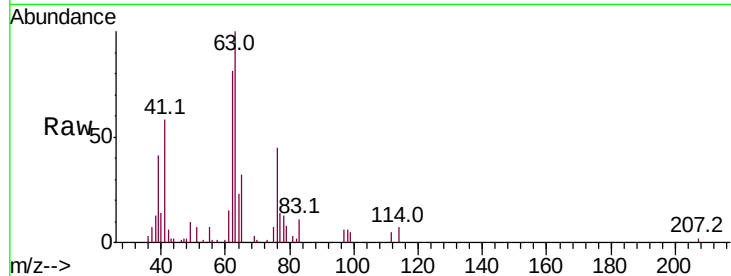
MDL01

Tot Ion: 63 Resp: 12690

Ion Ratio Lower Upper

63 100

112 5.3 4.1 6.1



#41

Bromodichloromethane

Concen: 1.952 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

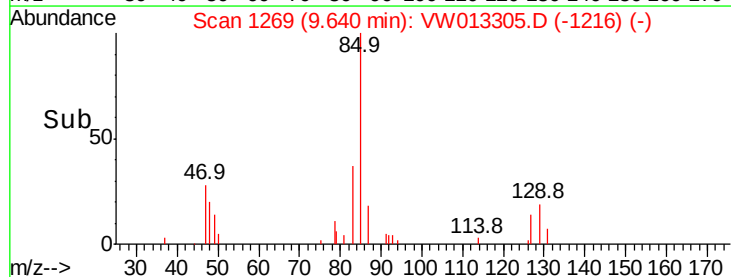
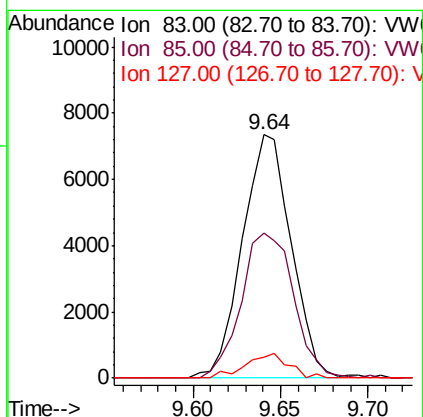
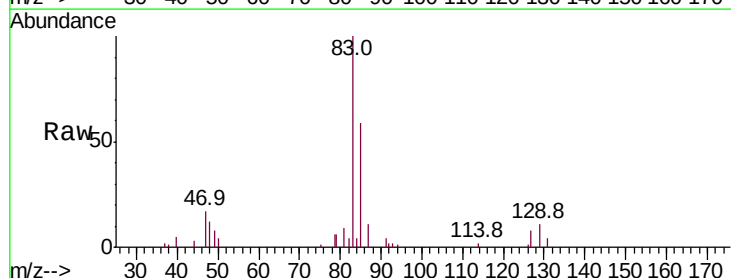
Tgt Ion: 83 Resp: 14260

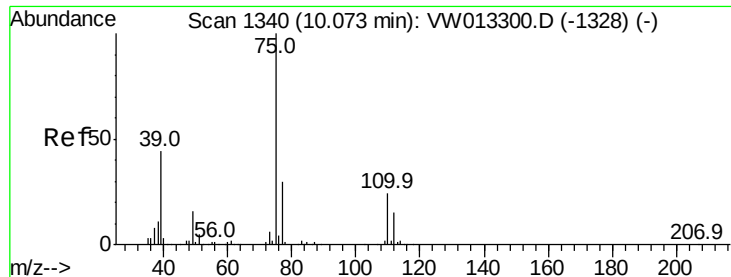
Ion Ratio Lower Upper

83 100

85 59.4 43.8 81.4

127 8.3 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 2.338 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

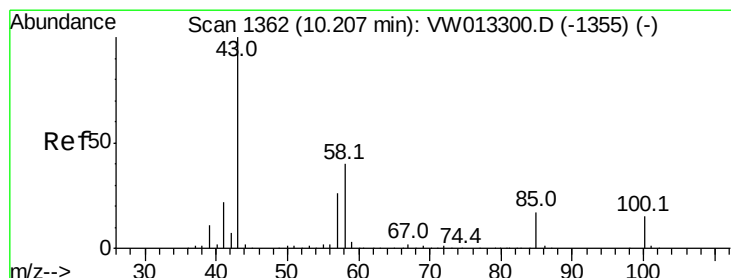
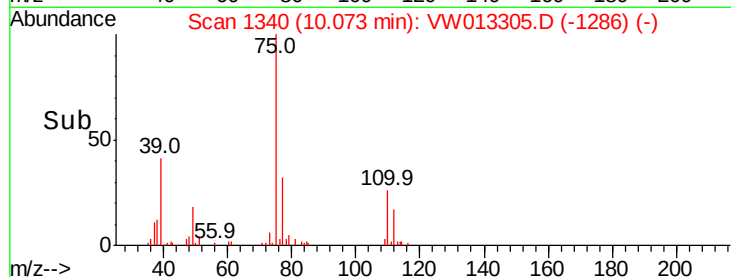
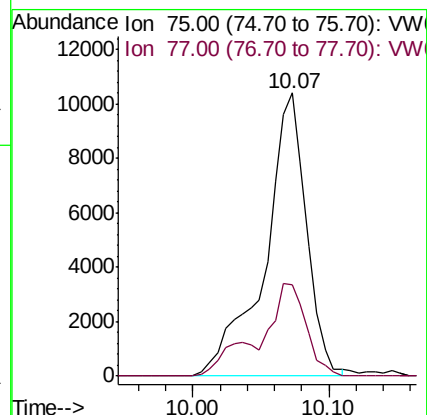
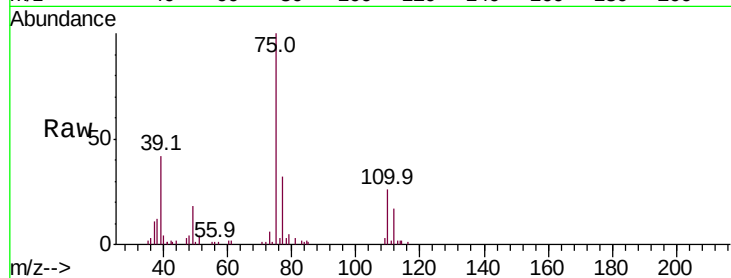
MDL01

Tot Ion: 75 Resp: 22231

Ion Ratio Lower Upper

75 100

77 32.3 21.3 39.5



#43

4-Methyl-2-pentanone

Concen: 4.180 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

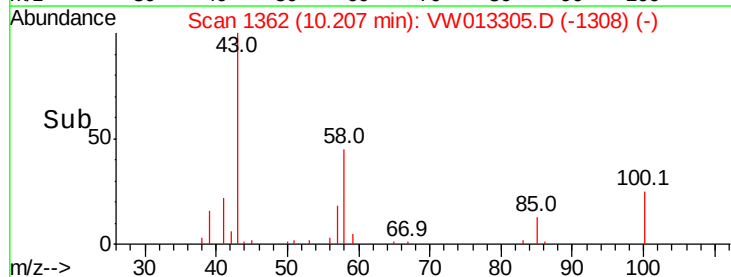
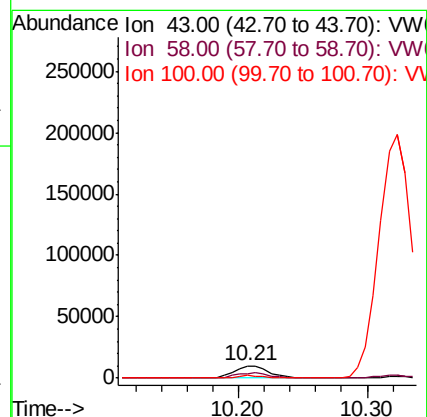
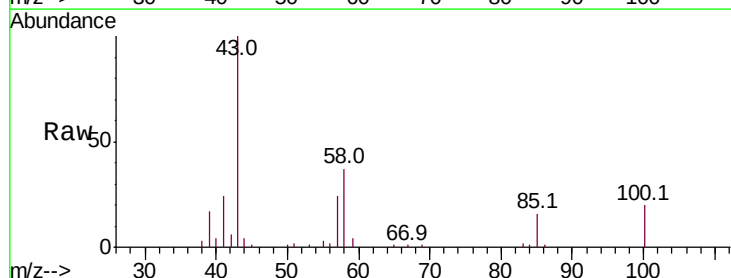
Tgt Ion: 43 Resp: 19052

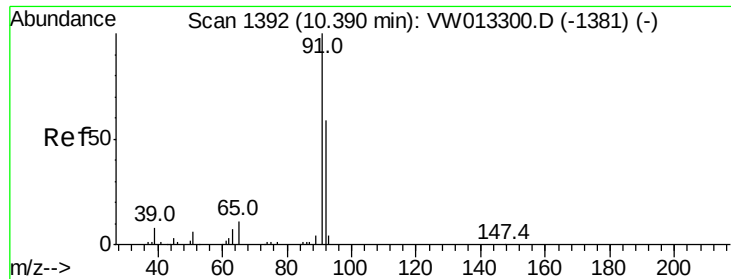
Ion Ratio Lower Upper

43 100

58 40.4 32.7 49.1

100 16.9 12.9 19.3





#44

Toluene

Concen: 2.068 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampled :

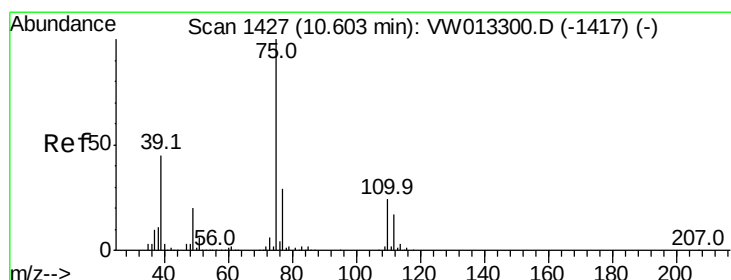
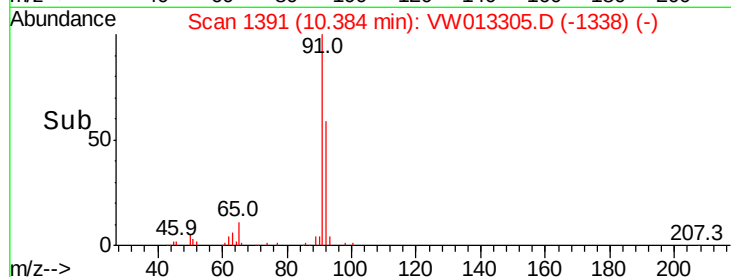
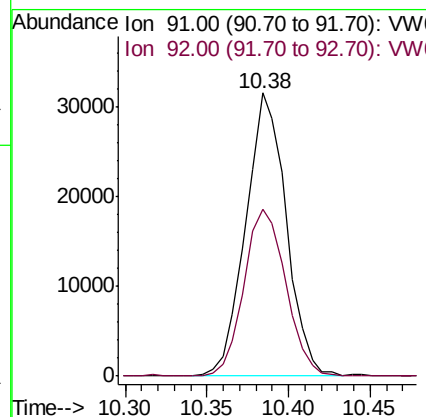
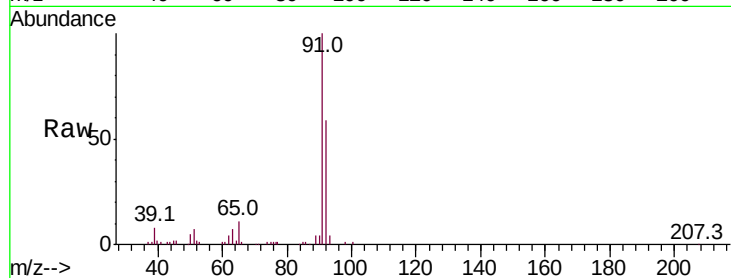
MDL01

Tot Ion: 91 Resp: 54479

Ion Ratio Lower Upper

91 100

92 59.2 41.5 77.1



#45

trans-1,3-Dichloropropene

Concen: 2.330 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013305.D

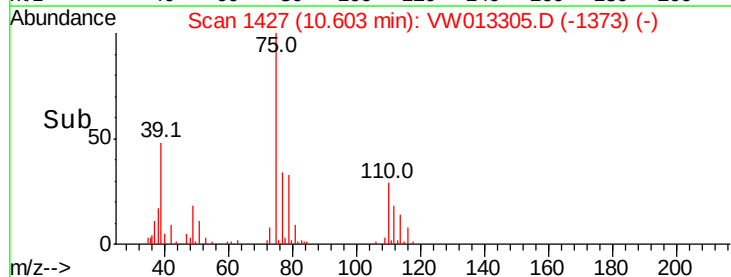
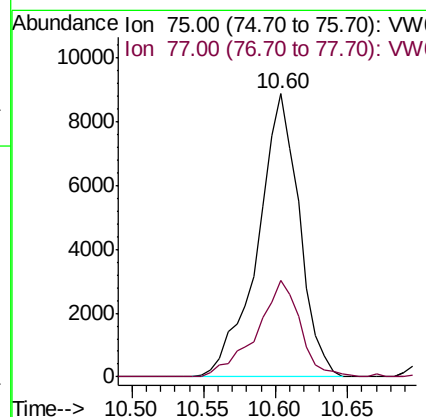
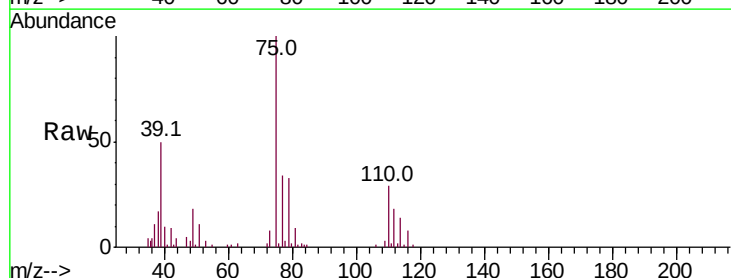
Acq: 26 Sep 2019 14:26

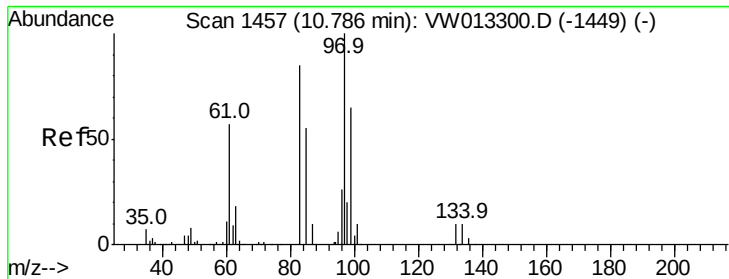
Tgt Ion: 75 Resp: 17809

Ion Ratio Lower Upper

75 100

77 34.1 20.5 38.1





#46

1,1,2-Trichloroethane

Concen: 2.014 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampled :

MDL01

Tot Ion: 97 Resp: 9394

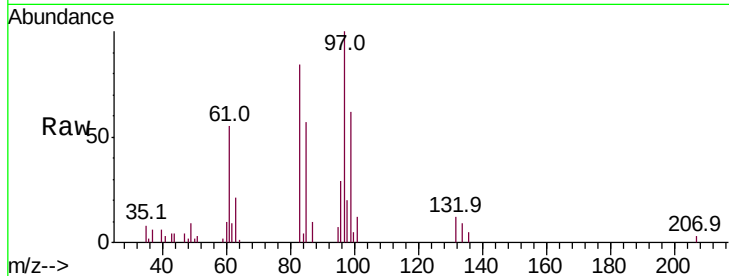
Ion Ratio Lower Upper

97 100

83 84.0 59.4 110.2

85 57.3 38.7 71.9

99 61.8 45.8 85.0

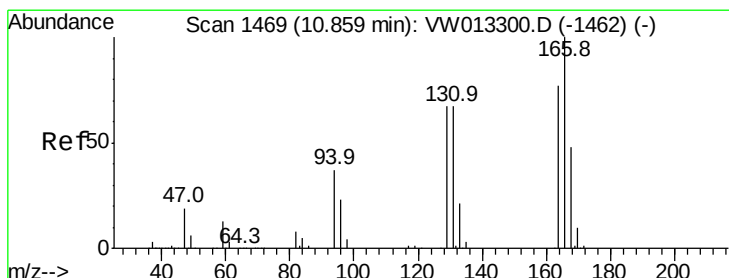
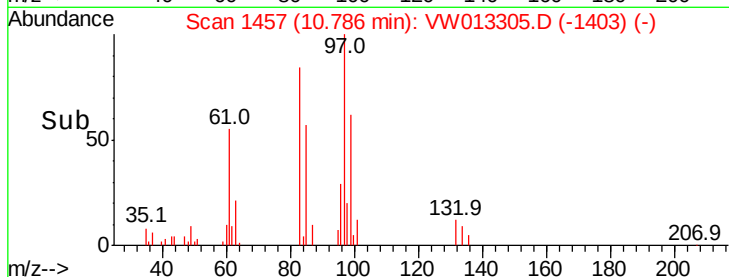
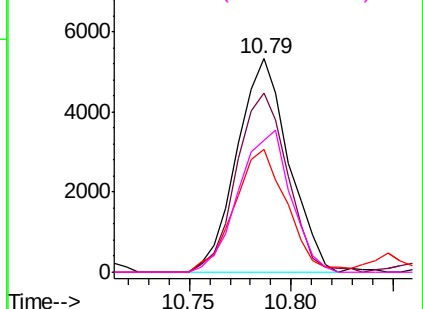


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 2.087 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Tgt Ion: 164 Resp: 11936

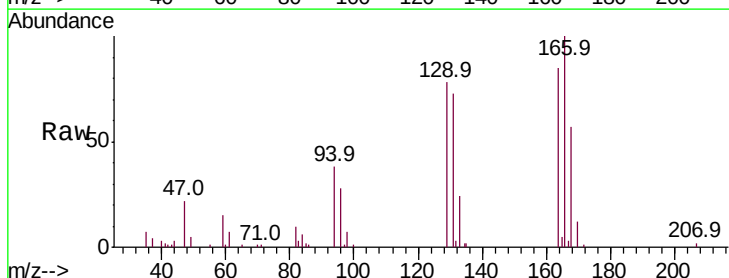
Ion Ratio Lower Upper

164 100

129 91.6 60.5 112.5

131 85.9 60.6 112.6

166 117.4 90.6 168.2

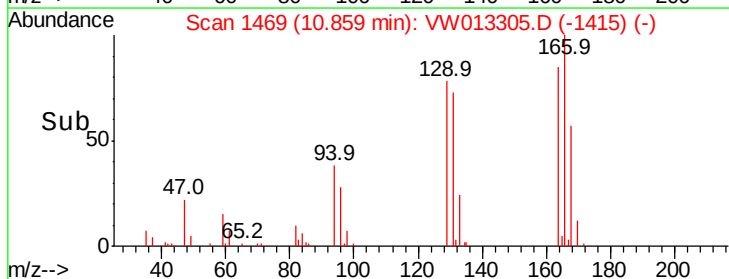
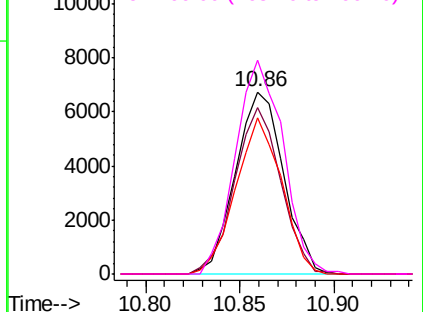


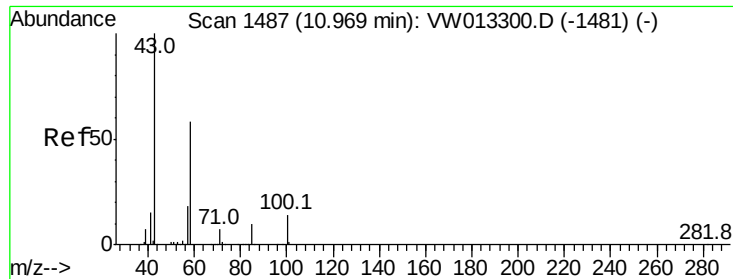
Abundance Ion 164.00 (163.70 to 164.70): V

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

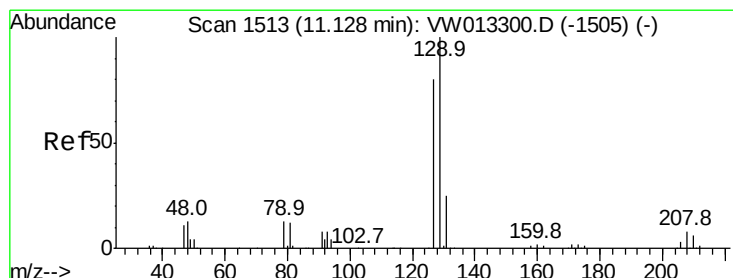
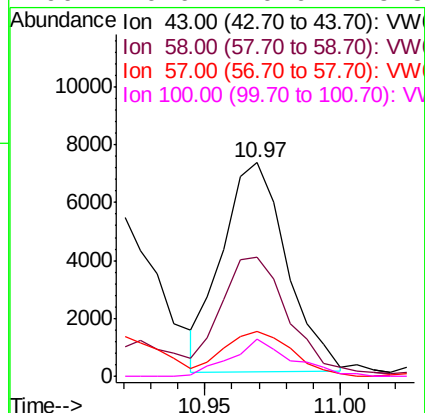
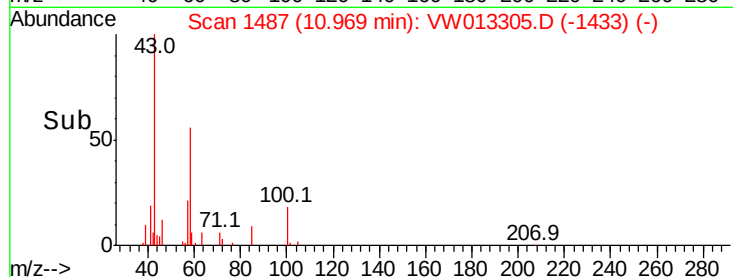
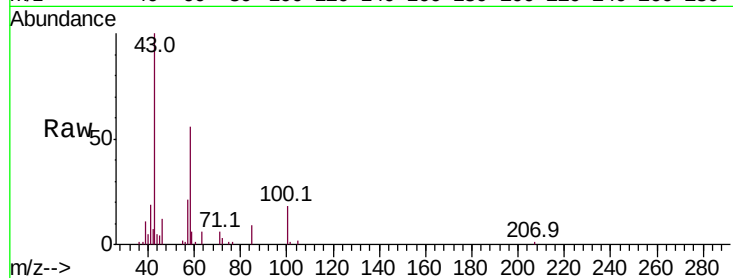




#49
2-Hexanone
Concen: 3.651 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

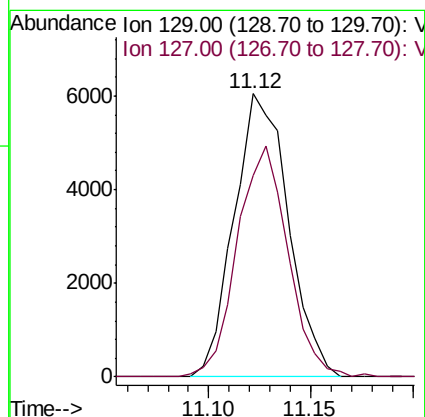
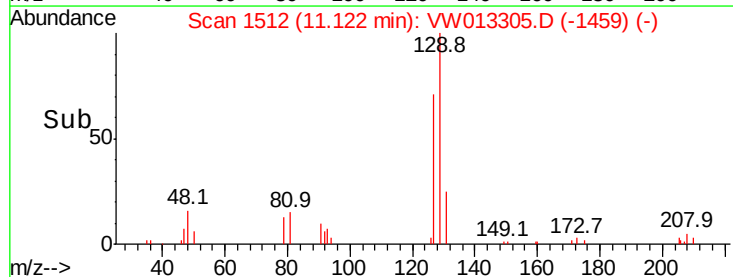
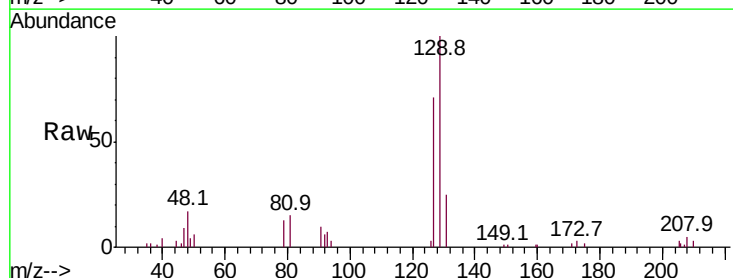
Instrument :
MSVOA_W
ClientSampleId :
MDL01

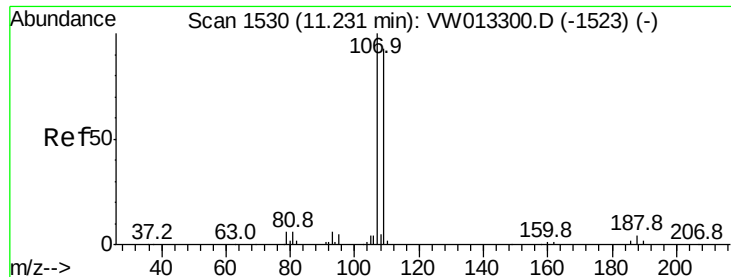
Tot Ion: 43 Resp: 11960
Ion Ratio Lower Upper
43 100
58 60.6 44.3 66.5
57 22.9 15.3 22.9
100 16.6 10.6 15.8#



#50
Dibromochloromethane
Concen: 2.085 ug/L
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

Tgt Ion: 129 Resp: 11155
Ion Ratio Lower Upper
129 100
127 71.0 56.1 104.1

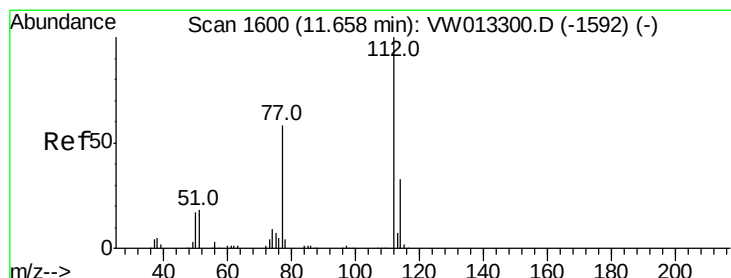
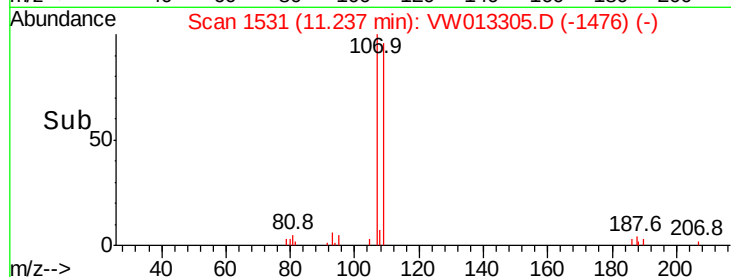
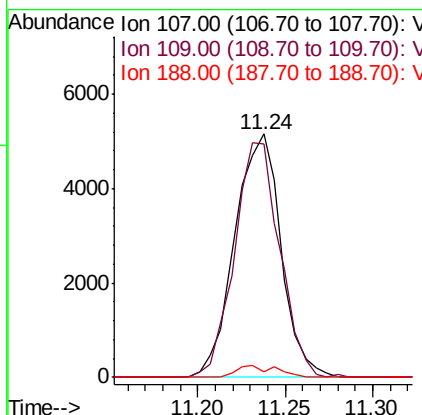
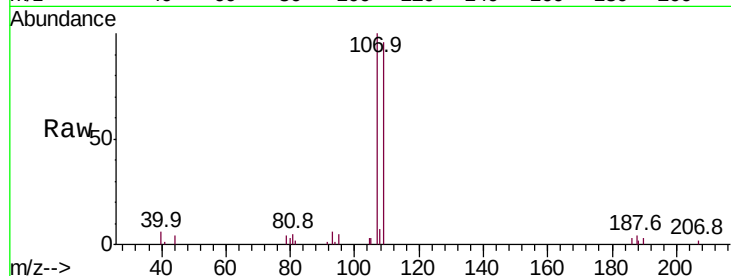




#51
1,2-Dibromoethane
Concen: 2.073 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

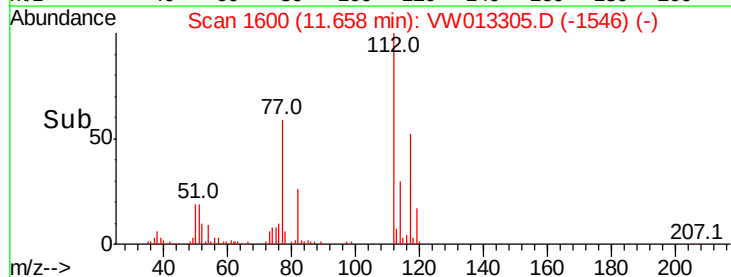
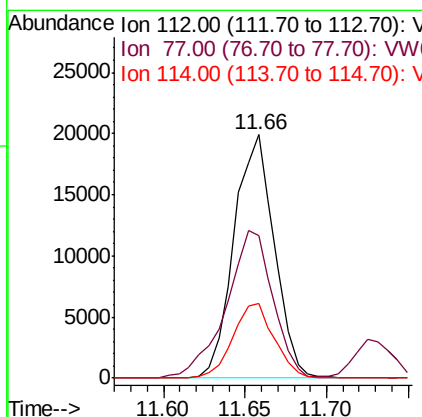
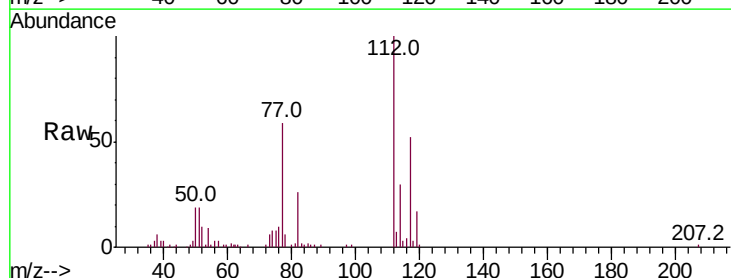
Instrument :
MSVOA_W
ClientSampleId :
MDL01

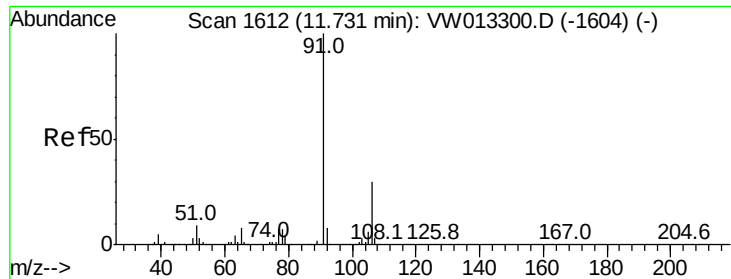
Tot Ion:107 Resp: 9502
Ion Ratio Lower Upper
107 100
109 95.7 65.5 121.6
188 2.3 3.0 4.6#



#52
Chlorobenzene
Concen: 2.063 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

Tgt Ion:112 Resp: 34247
Ion Ratio Lower Upper
112 100
77 58.7 46.5 69.7
114 30.5 23.0 42.8





#53

Ethylbenzene

Concen: 1.975 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

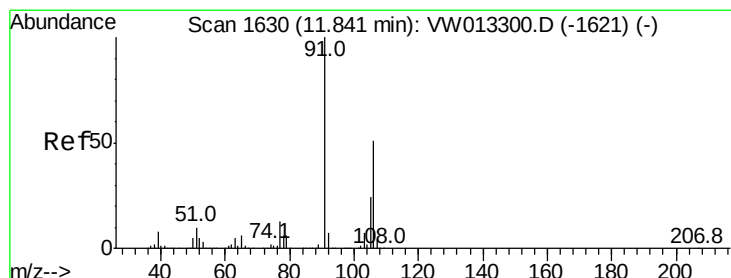
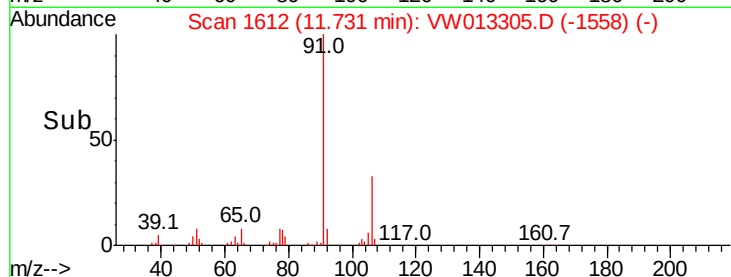
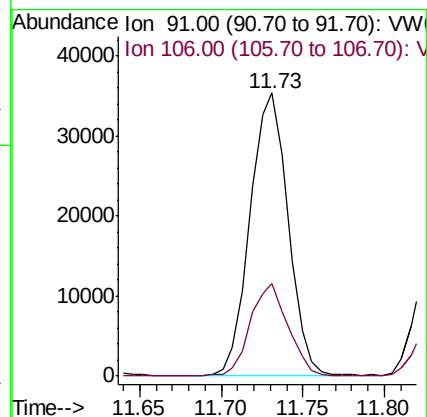
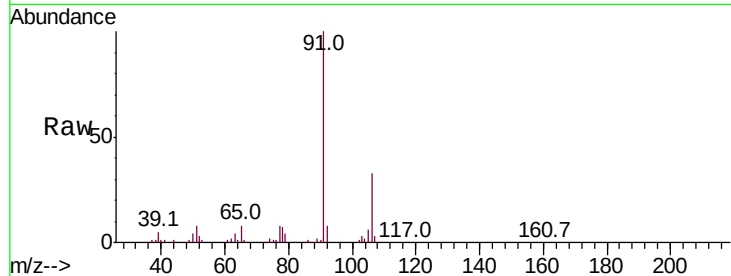
MDL01

Tot Ion: 91 Resp: 57690

Ion Ratio Lower Upper

91 100

106 32.9 20.8 38.6



#54

m,p-Xylene

Concen: 1.987 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW013305.D

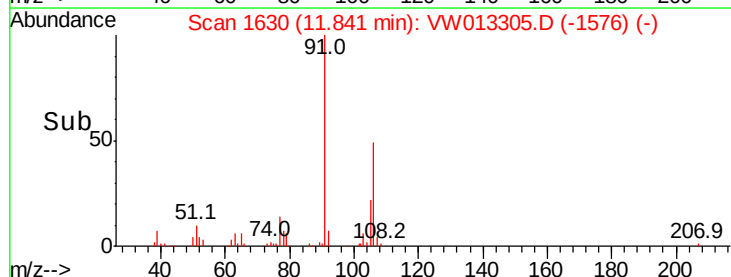
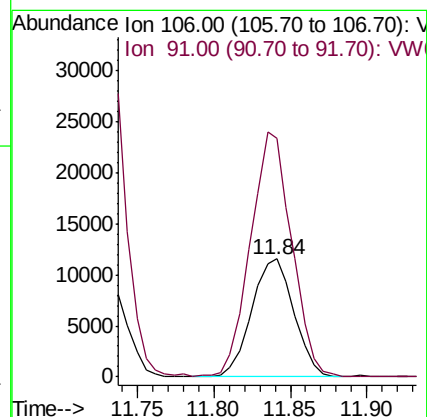
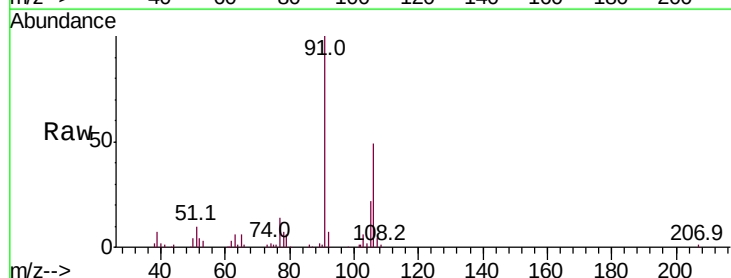
Acq: 26 Sep 2019 14:26

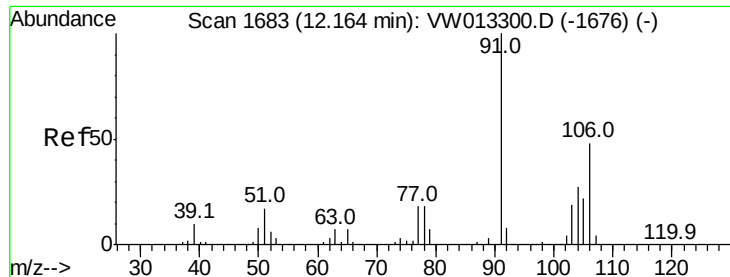
Tgt Ion:106 Resp: 22286

Ion Ratio Lower Upper

106 100

91 202.4 138.3 256.9

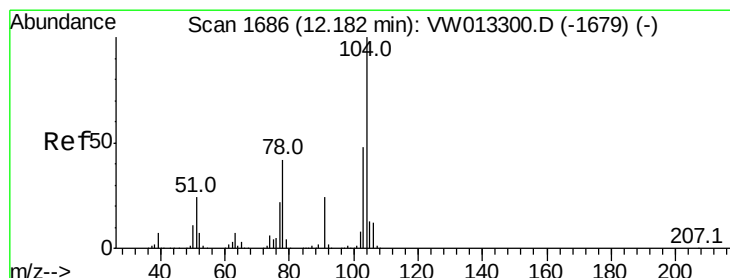
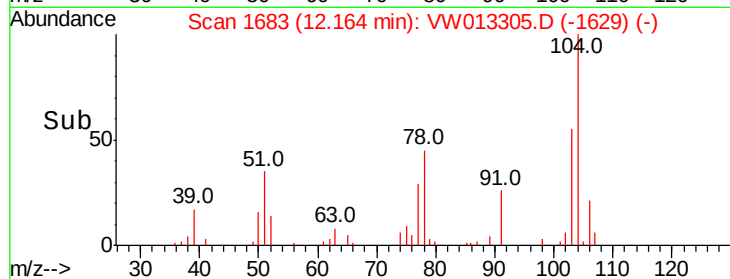
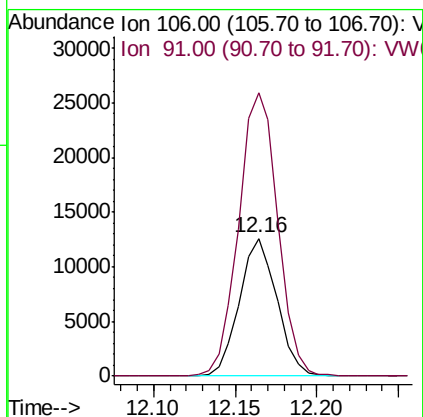
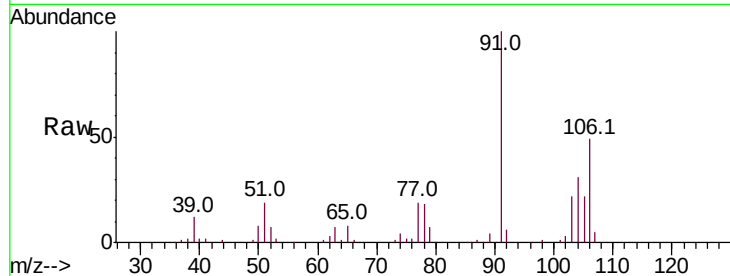




#55
o-xylene
Concen: 1.908 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

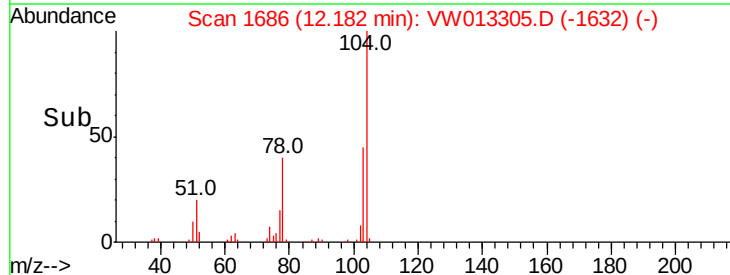
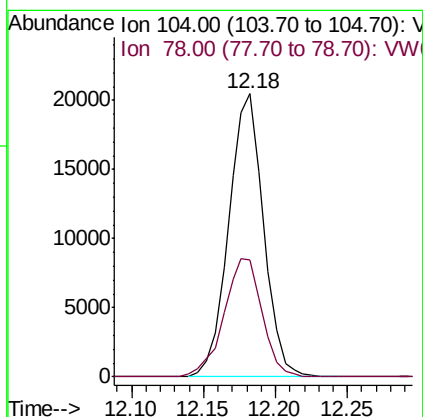
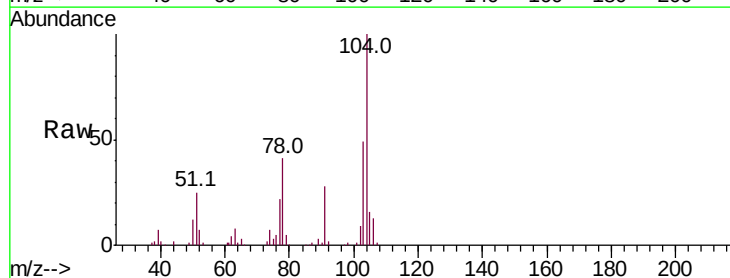
Instrument :
MSVOA_W
ClientSampled :
MDL01

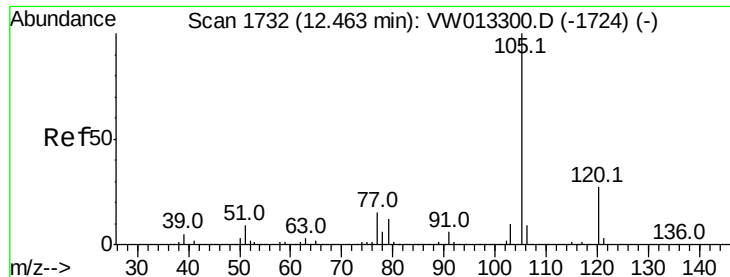
Tot Ion:106 Resp: 20195
Ion Ratio Lower Upper
106 100
91 205.8 145.9 271.1



#56
Styrene
Concen: 1.905 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

Tgt Ion:104 Resp: 34571
Ion Ratio Lower Upper
104 100
78 41.2 29.8 55.4





#57

Isopropylbenzene

Concen: 1.940 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

MDL01

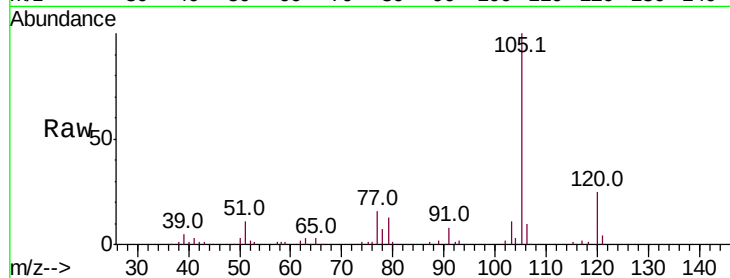
Tot Ion:105 Resp: 55504

Ion Ratio Lower Upper

105 100

120 26.4 21.4 32.2

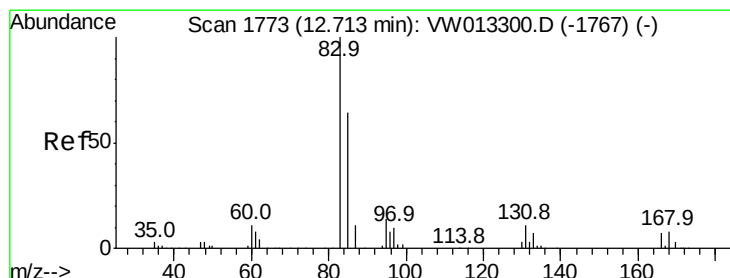
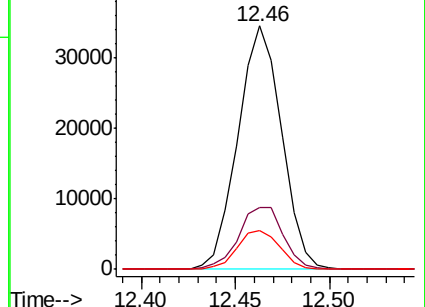
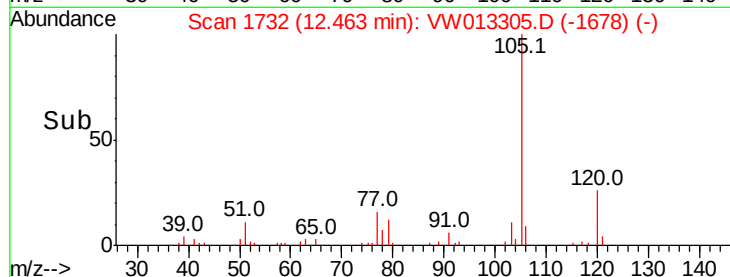
77 15.7 11.8 17.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.157 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

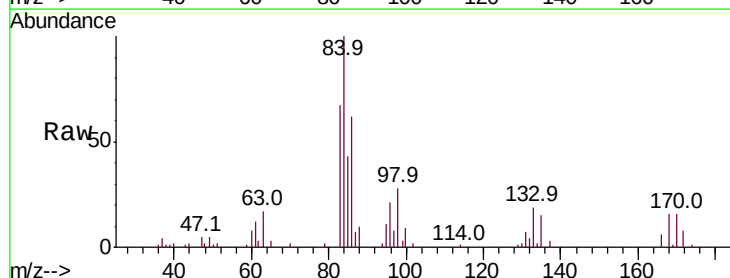
Tgt Ion: 83 Resp: 12399

Ion Ratio Lower Upper

83 100

85 64.1 45.2 84.0

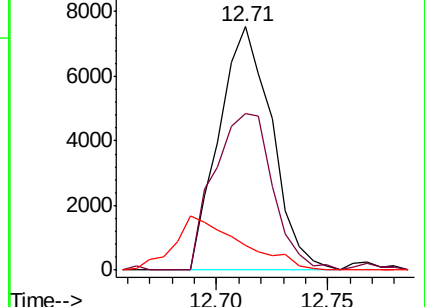
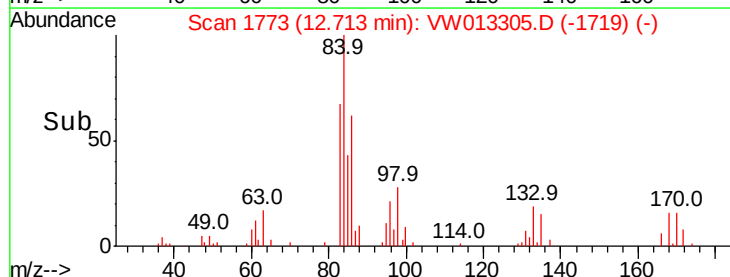
131 10.1 8.9 13.3

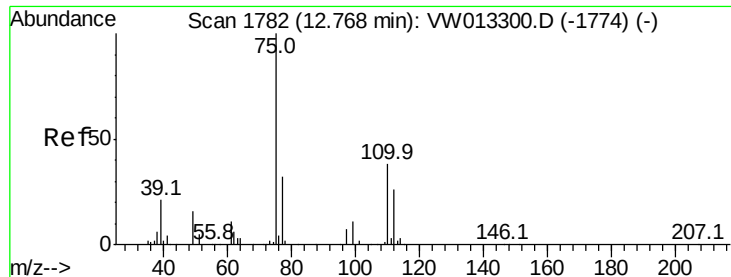


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 1.992 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

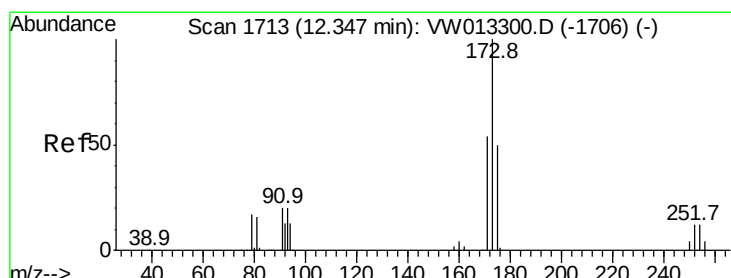
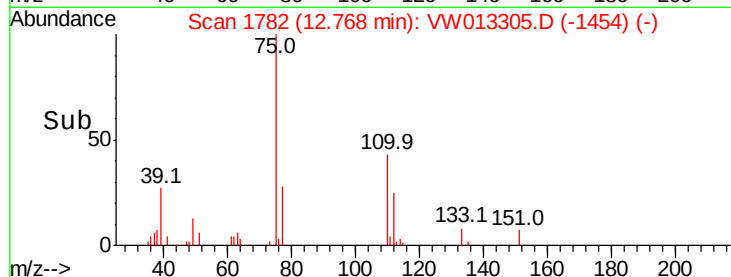
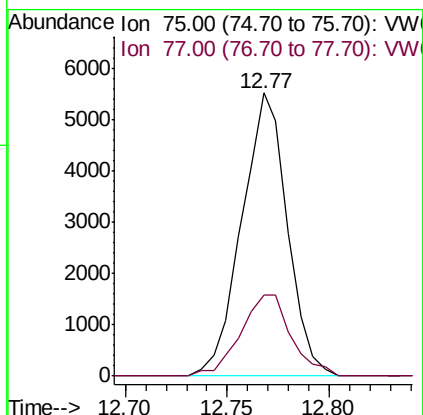
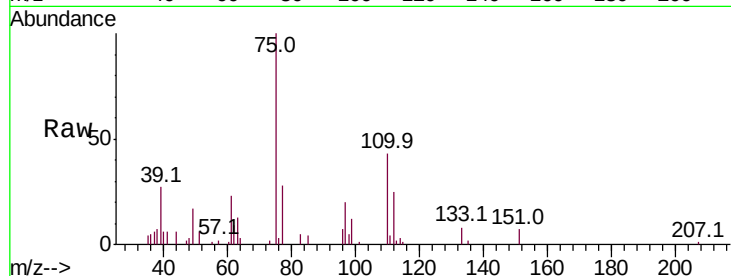
MDL01

Tot Ion: 75 Resp: 8543

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8



#62

Bromoform

Concen: 1.984 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

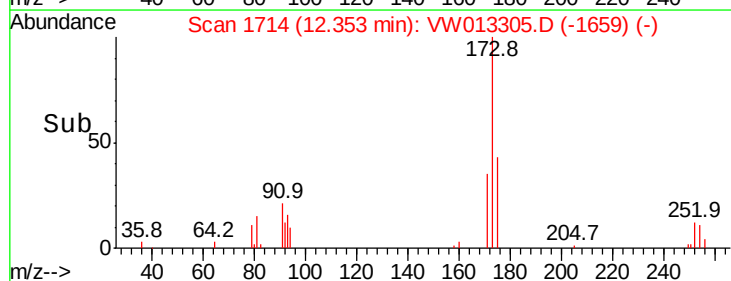
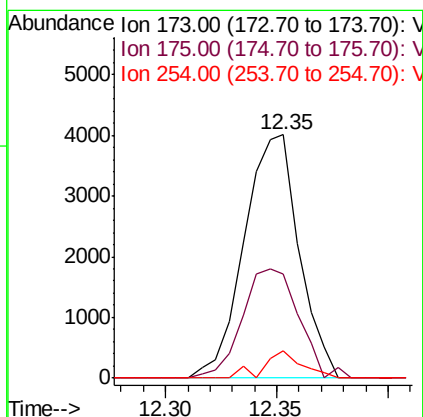
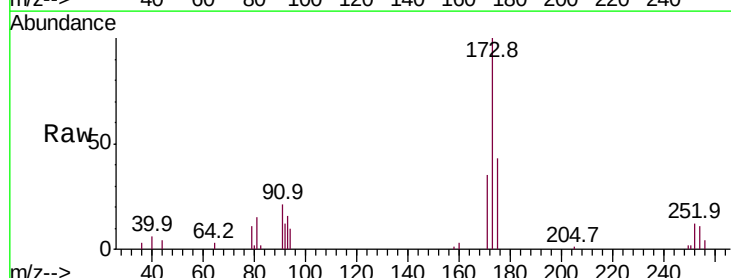
Tgt Ion: 173 Resp: 6885

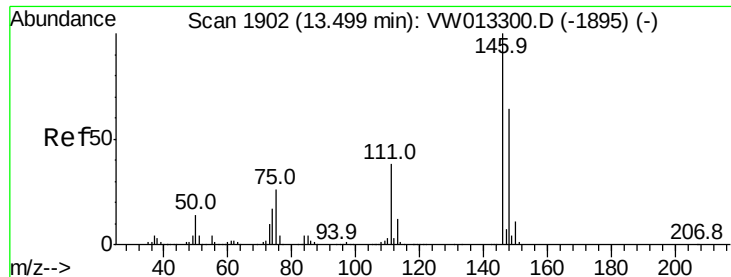
Ion Ratio Lower Upper

173 100

175 45.5 39.3 58.9

254 6.8 9.1 13.7#

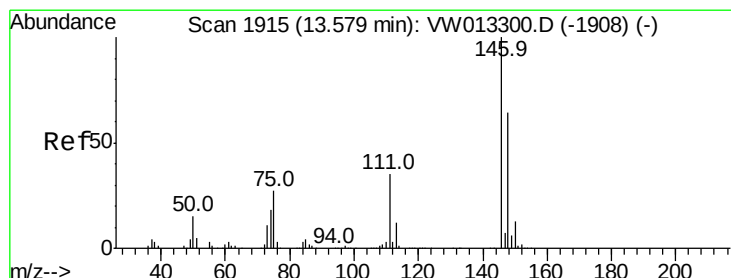
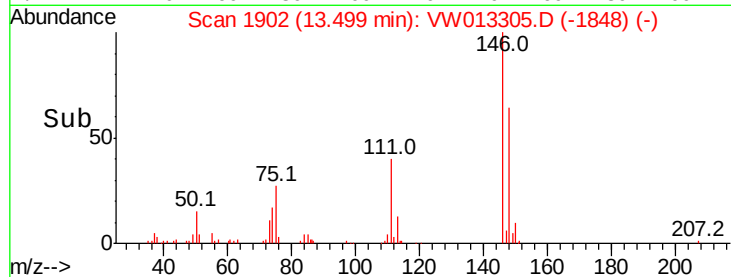
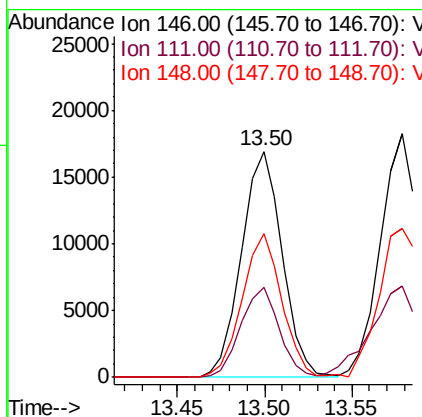
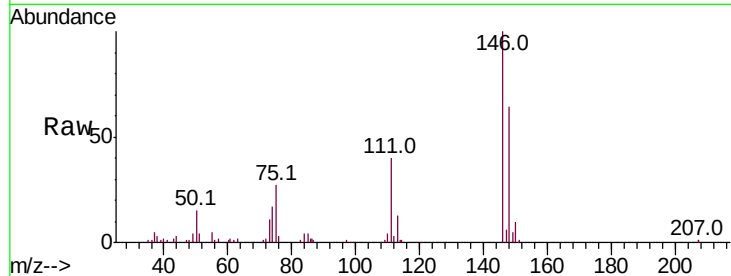




#63
 1,3-Dichlorobenzene
 Concen: 2.027 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013305.D
 Acq: 26 Sep 2019 14:26

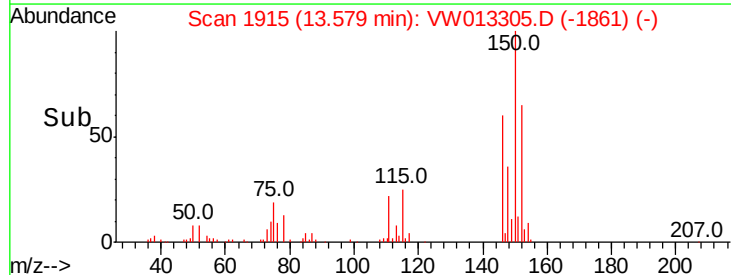
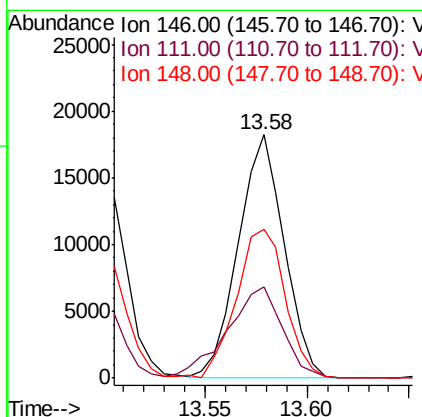
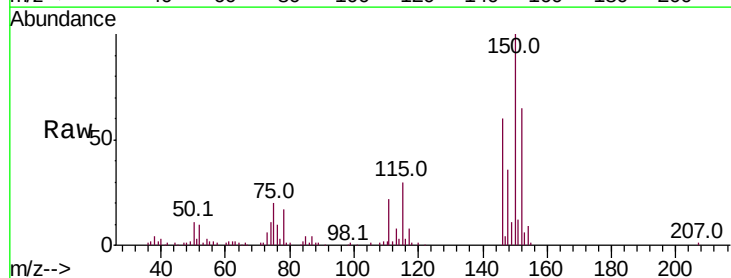
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

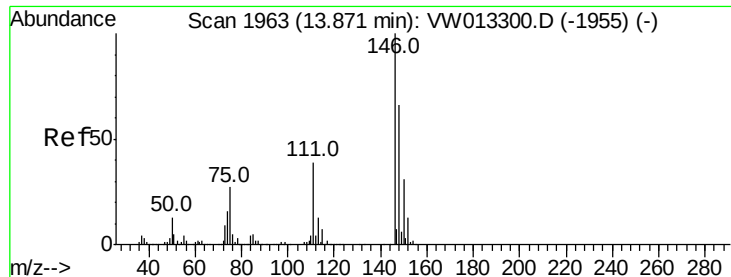
Tot Ion:146 Resp: 27361
 Ion Ratio Lower Upper
 146 100
 111 39.9 26.7 49.5
 148 63.5 45.0 83.6



#64
 1,4-Dichlorobenzene
 Concen: 2.092 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013305.D
 Acq: 26 Sep 2019 14:26

Tgt Ion:146 Resp: 28531
 Ion Ratio Lower Upper
 146 100
 111 37.4 24.2 45.0
 148 61.0 45.1 83.7

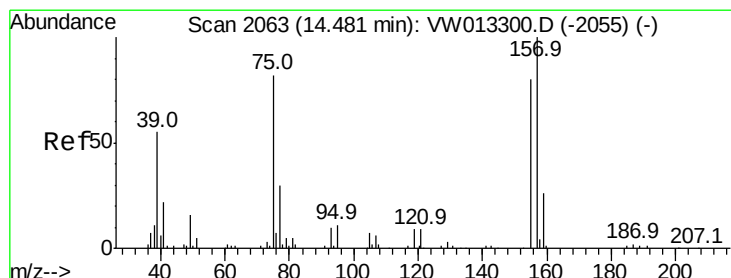
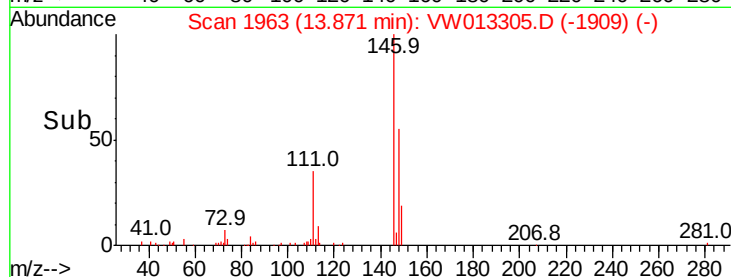
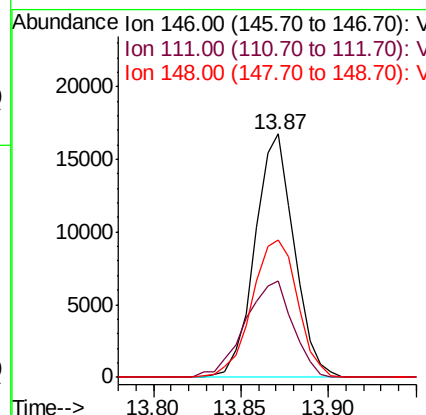
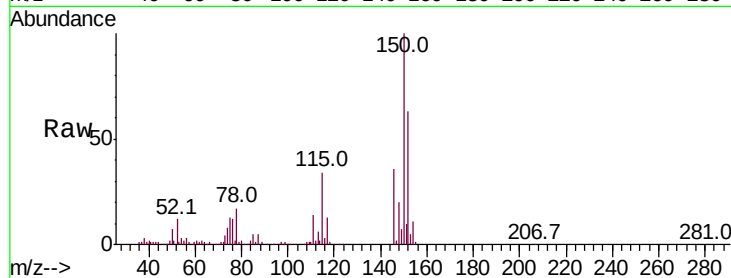




#65
 1,2-Dichlorobenzene
 Concen: 2.124 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013305.D
 Acq: 26 Sep 2019 14:26

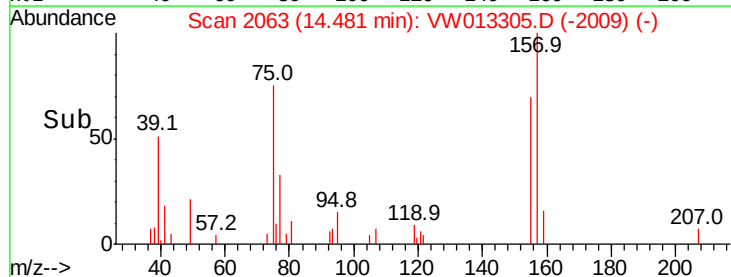
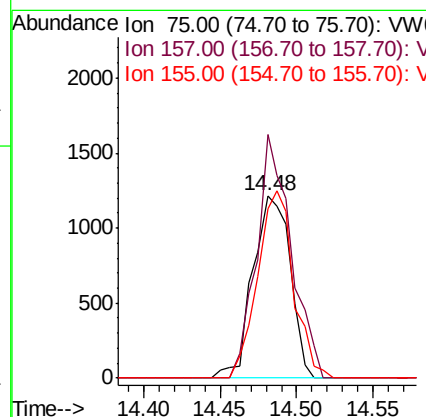
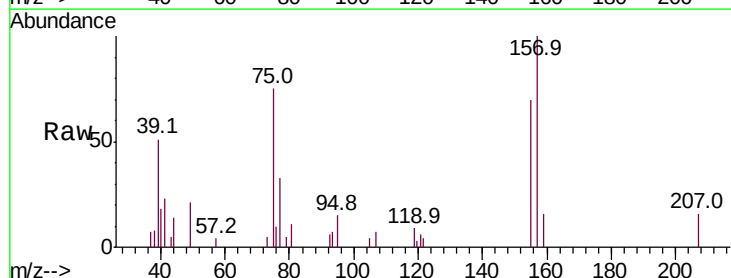
Instrument :
 MSVOA_W
 ClientSampled :
 MDL01

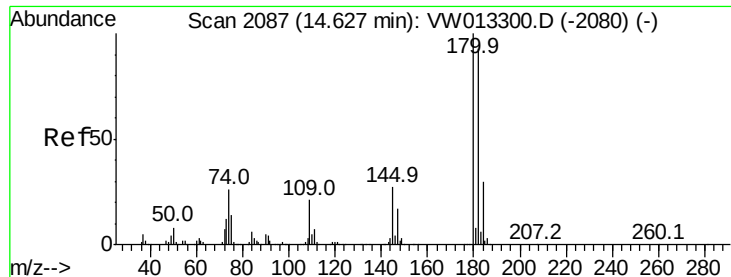
Tot Ion:146 Resp: 26082
 Ion Ratio Lower Upper
 146 100
 111 39.5 30.8 46.2
 148 56.3 52.5 78.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.137 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013305.D
 Acq: 26 Sep 2019 14:26

Tgt Ion: 75 Resp: 2067
 Ion Ratio Lower Upper
 75 100
 157 133.4 97.8 146.8
 155 92.9 78.4 117.6

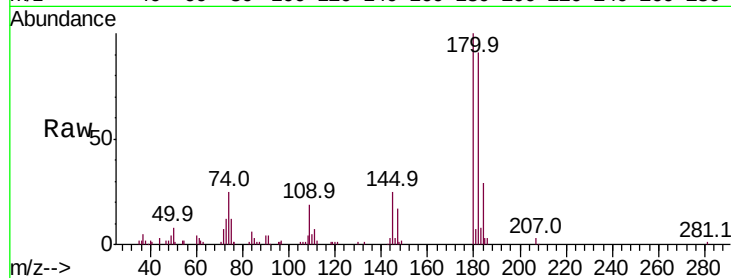




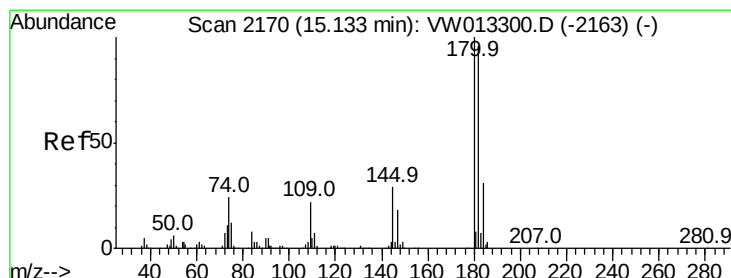
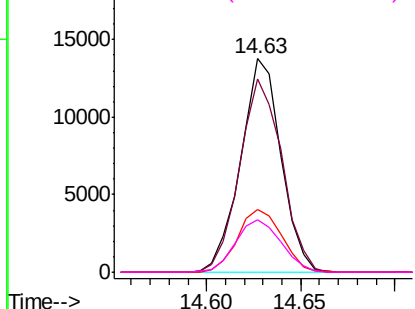
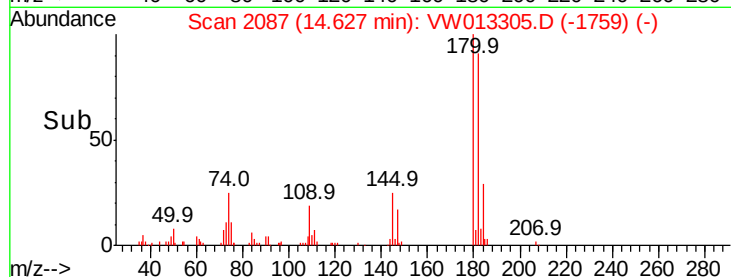
#67
 1,3,5-Trichlorobenzene
 Concen: 1.978 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW013305.D
 Acq: 26 Sep 2019 14:26

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Tot Ion:180 Resp: 20551
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.4 114.6
 184 31.8 23.9 35.9
 145 27.5 21.7 32.5

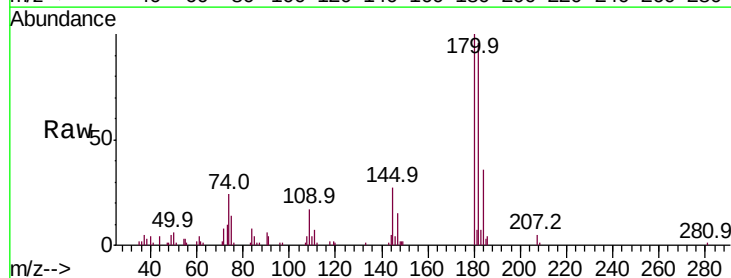


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

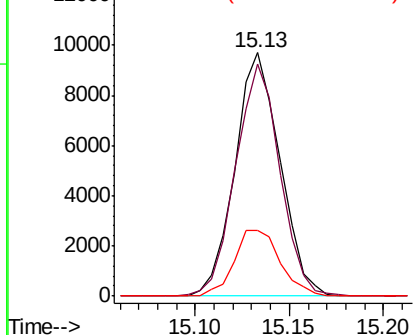
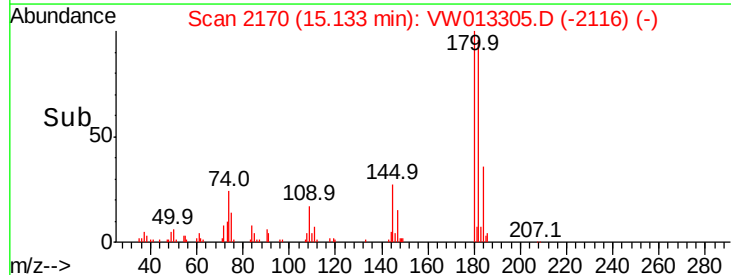


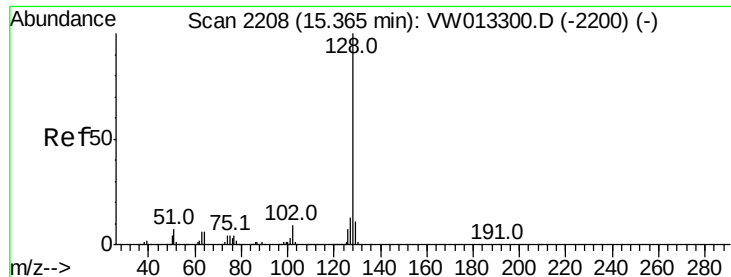
#68
 1,2,4-trichlorobenzene
 Concen: 1.941 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013305.D
 Acq: 26 Sep 2019 14:26

Tgt Ion:180 Resp: 16099
 Ion Ratio Lower Upper
 180 100
 182 93.8 75.9 113.9
 145 27.5 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: 1.674 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

MDL01

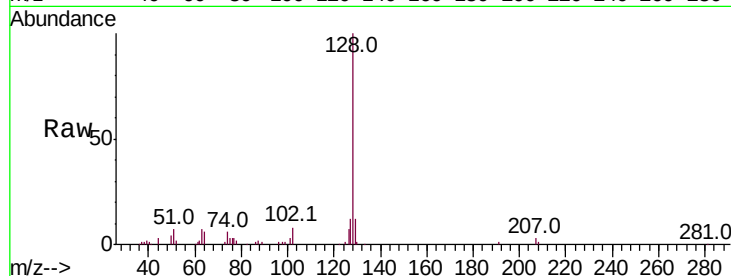
Tot Ion:128 Resp: 26528

Ion Ratio Lower Upper

128 100

129 12.1 8.7 13.1

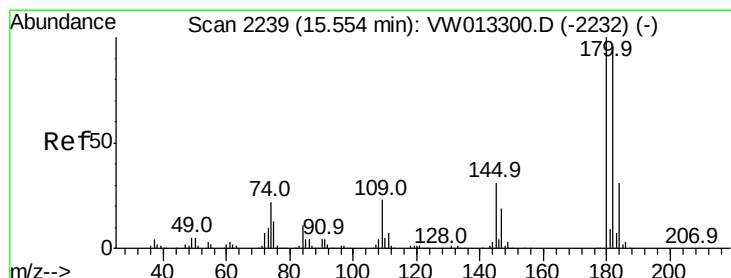
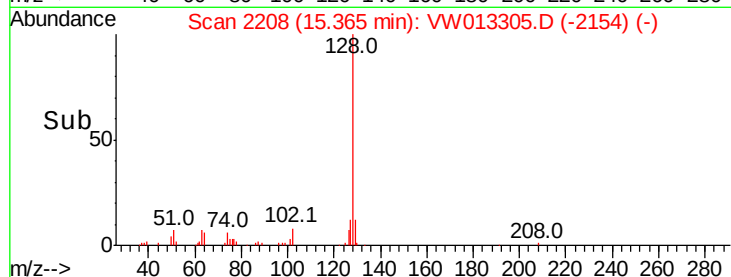
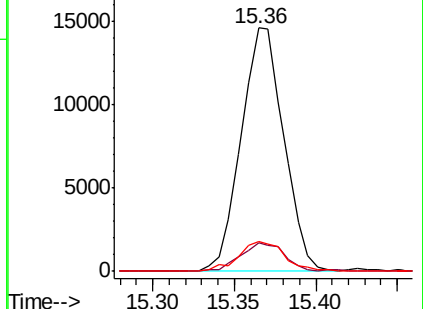
127 13.1 10.6 15.8



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: 1.959 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

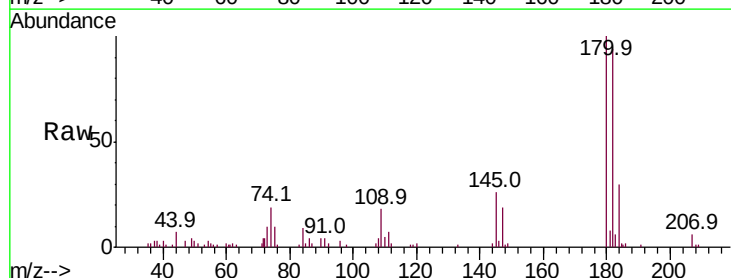
Tgt Ion:180 Resp: 14776

Ion Ratio Lower Upper

180 100

182 91.9 78.2 117.4

145 15.5 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

