

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092619\
 Data File : VW013311.D
 Acq On : 26 Sep 2019 18:18
 Operator : SY/VA
 Sample : MDL 2 PPB
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Quant Time: Sep 26 19:10:45 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	459724	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	414269	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	206167	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	145927	26.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.48%
7) Chloroethane-d5	2.89	69	113408	25.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.08%
10) 1,1-Dichloroethene-d2	4.02	63	218754	20.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.08%
20) 2-Butanone-d5	7.07	46	100106	52.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.68%
24) Chloroform-d	7.65	84	264608	25.53	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.12%
26) 1,2-Dichloroethane-d4	8.30	65	150846	26.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.72%
29) Benzene-d6	8.27	84	588243	26.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.60%
33) 1,2-Dichloropropane-d6	9.27	67	175961	26.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.00%
37) Toluene-d8	10.32	98	554507	26.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.72%
38) trans-1,3-Dichloropropene-	10.58	79	78308	26.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.00%
39) 2-Hexanone-d5	10.92	63	80708	55.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	153539	26.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	202183	27.45	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.00	85	3284	1.141 ug/L	91
3) Chloromethane	2.21	50	7911	2.052 ug/L	91
5) Vinyl chloride	2.35	62	10828	2.031 ug/L #	50
6) Bromomethane	2.77	94	6888	2.032 ug/L	91
8) Chloroethane	2.92	64	6582	2.035 ug/L	88
9) Trichlorofluoromethane	3.25	101	5188	1.570 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	12529	2.399 ug/L #	76
12) 1,1-Dichloroethene	4.04	96	12303	2.321 ug/L #	1
13) Acetone	4.13	43	8532	5.410 ug/L	71
14) Carbon disulfide	4.38	76	29089	1.934 ug/L	100
15) Methyl Acetate	4.67	43	6532	2.147 ug/L #	79
16) Methylene chloride	4.92	84	30244	4.403 ug/L	96
17) Methyl tert-butyl Ether	5.42	73	18896	2.061 ug/L #	77
18) trans-1,2-Dichloroethene	5.41	96	11134	1.965 ug/L	87
19) 1,1-Dichloroethane	6.21	63	20214	2.034 ug/L	96
21) 2-Butanone	7.17	43	9537	4.199 ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	12473	2.020 ug/L	97

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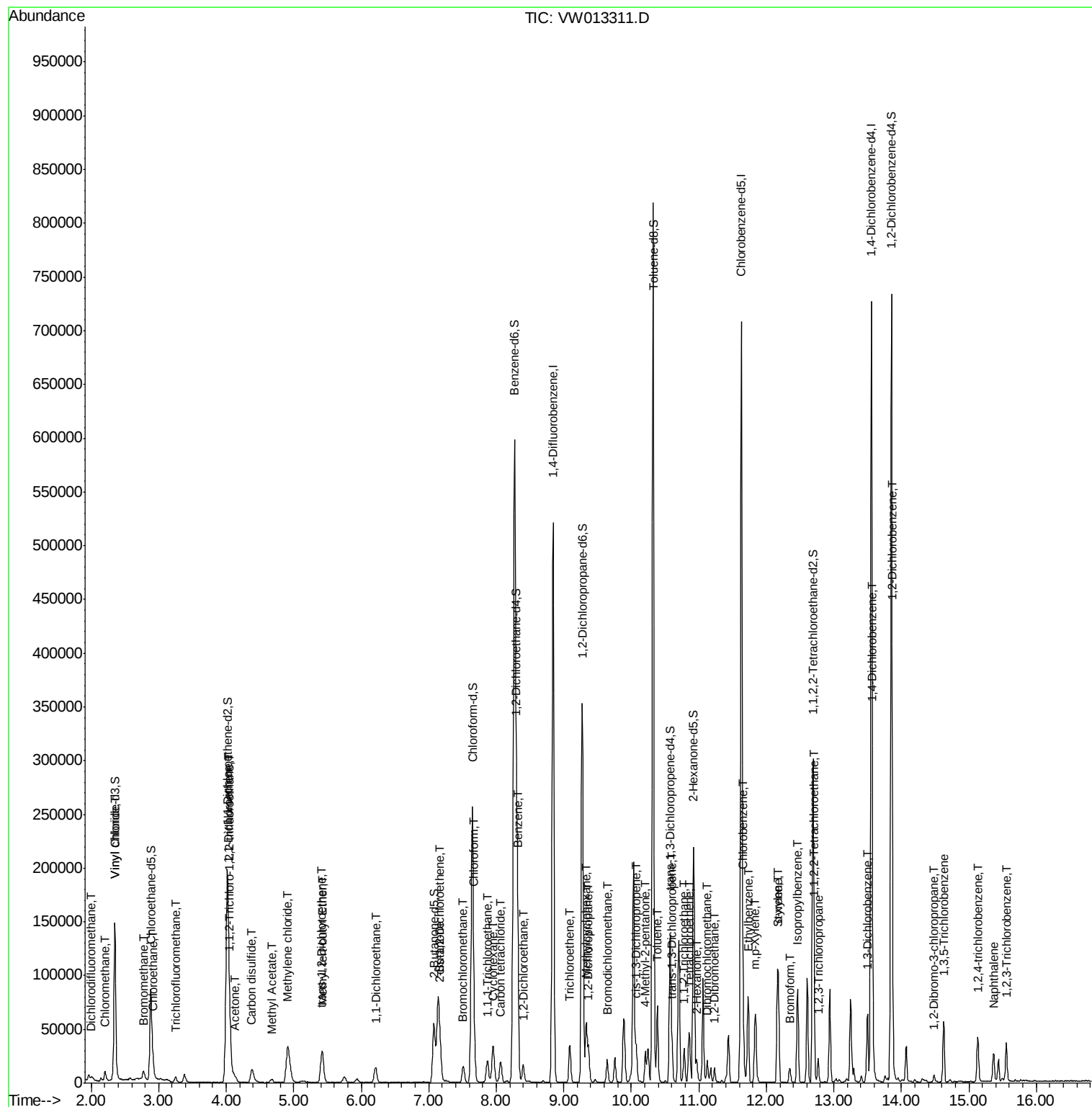
23) Bromochloromethane	7.51	128	5626	2.025	ug/L	89
25) Chloroform	7.67	83	21538	2.205	ug/L	87
27) 1,2-Dichloroethane	8.40	62	14247	2.227	ug/L	97
30) Cyclohexane	7.96	56	19789	1.989	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	16066	2.021	ug/L	98
32) Carbon tetrachloride	8.07	117	14727	1.943	ug/L	95
34) Benzene	8.32	78	48766	2.100	ug/L	100
35) Trichloroethene	9.09	95	13061	2.141	ug/L #	89
36) Methylcyclohexane	9.34	83	20583	1.894	ug/L	96
40) 1,2-Dichloropropane	9.37	63	12250	2.144	ug/L	98
41) Bromodichloromethane	9.64	83	14272	2.036	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	18587	2.036	ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	21923	5.012	ug/L	99
44) Toluene	10.39	91	53894	2.131	ug/L	94
45) trans-1,3-Dichloropropene	10.61	75	17205	2.345	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	8969	2.003	ug/L #	85
47) Tetrachloroethene	10.86	164	11061	2.015	ug/L	95
49) 2-Hexanone	10.97	43	12522	3.982	ug/L	97
50) Dibromochloromethane	11.13	129	10158	1.978	ug/L	88
51) 1,2-Dibromoethane	11.23	107	9010	2.048	ug/L	96
52) Chlorobenzene	11.66	112	34349	2.156	ug/L	96
53) Ethylbenzene	11.73	91	57304	2.044	ug/L	94
54) m,p-Xylene	11.83	106	21434	1.992	ug/L	97
55) o-xylene	12.16	106	19485	1.919	ug/L	91
56) Styrene	12.18	104	34255	1.967	ug/L	99
57) Isopropylbenzene	12.46	105	52514	1.912	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	12550	2.275	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	9124	2.217	ug/L	92
62) Bromoform	12.35	173	7014	2.150	ug/L	94
63) 1,3-Dichlorobenzene	13.50	146	25738	2.029	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	26595	2.075	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	25001	2.166	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	1987	2.186	ug/L	83
67) 1,3,5-Trichlorobenzene	14.63	180	19335	1.979	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	14374	1.843	ug/L	99
69) Naphthalene	15.37	128	23695	1.591	ug/L	97
70) 1,2,3-Trichlorobenzene	15.55	180	12725	1.794	ug/L	97

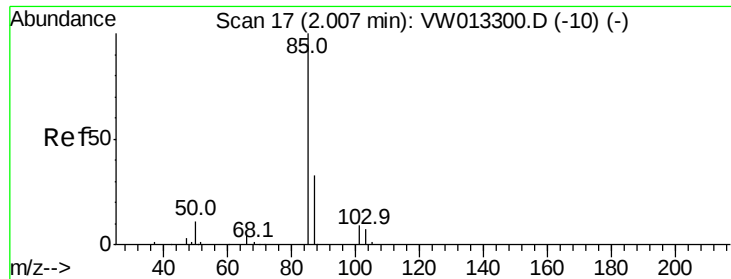
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#2

Dichlorodifluoromethane

Concen: 1.141 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampled :

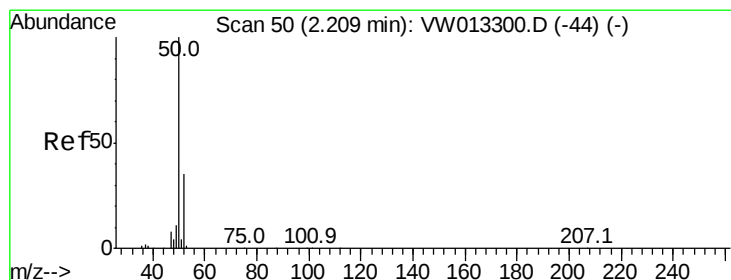
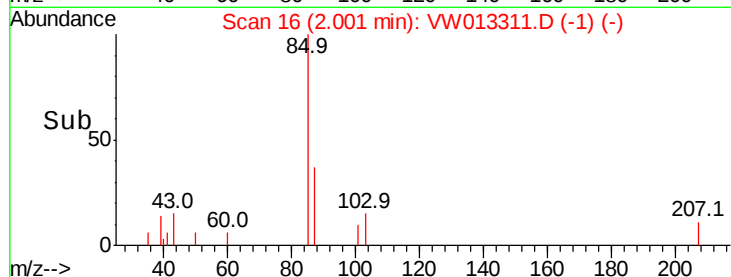
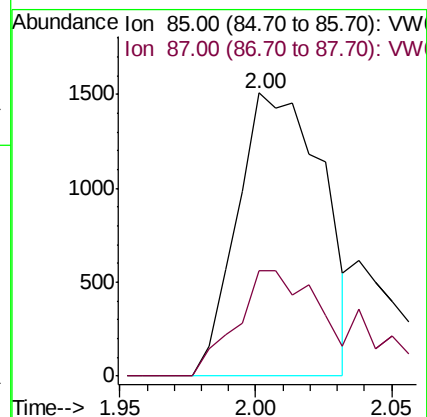
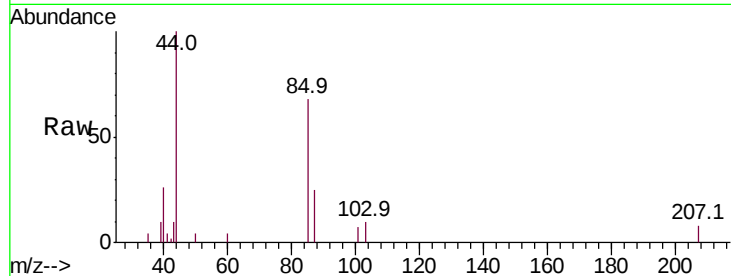
MDL07

Tot Ion: 85 Resp: 3284

Ion Ratio Lower Upper

85 100

87 35.3 21.3 39.6



#3

Chloromethane

Concen: 2.052 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013311.D

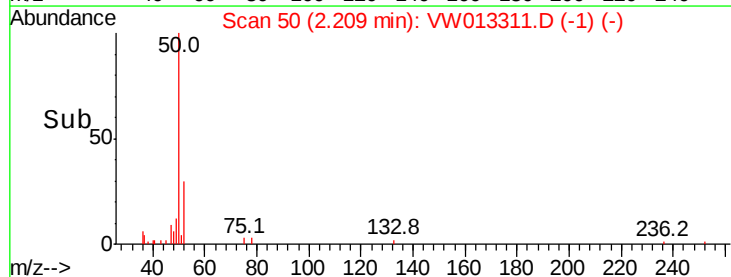
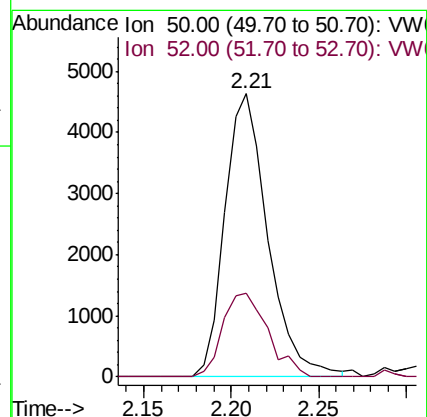
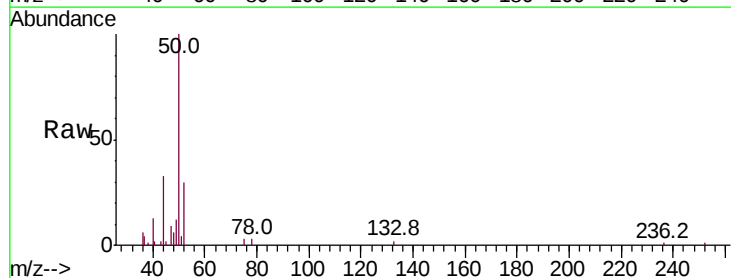
Acq: 26 Sep 2019 18:18

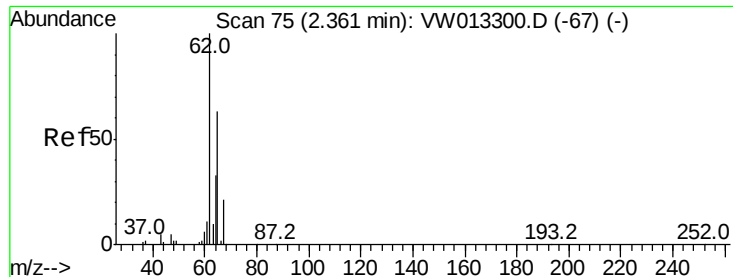
Tgt Ion: 50 Resp: 7911

Ion Ratio Lower Upper

50 100

52 29.6 24.4 45.4





#5

Vinyl chloride

Concen: 2.031 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampled :

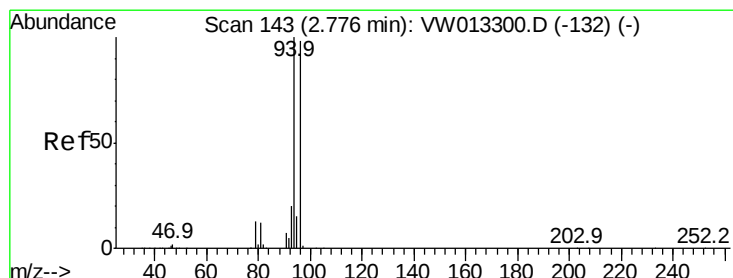
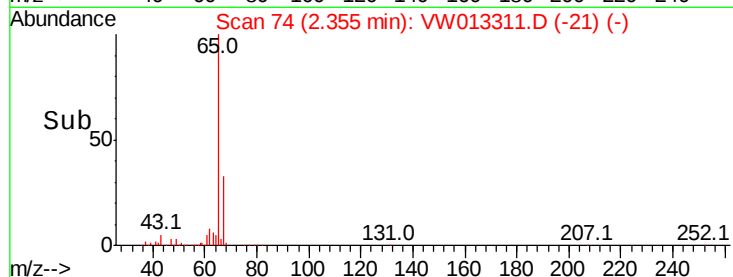
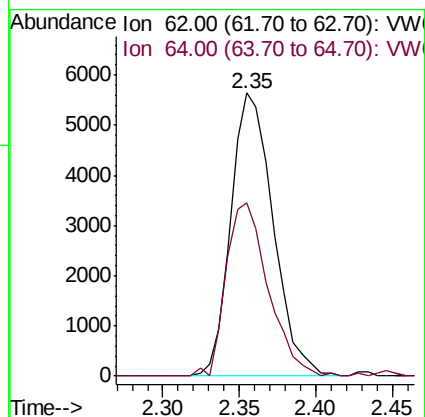
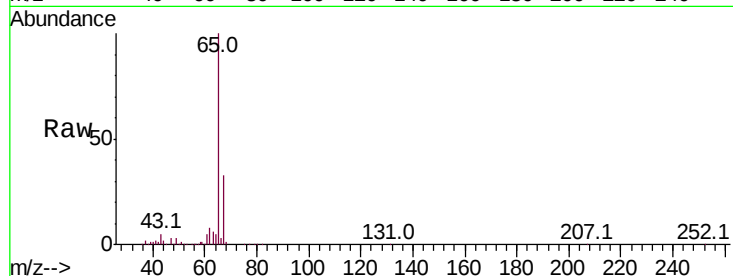
MDL07

Tot Ion: 62 Resp: 10828

Ion Ratio Lower Upper

62 100

64 61.2 23.2 43.0#



#6

Bromomethane

Concen: 2.032 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013311.D

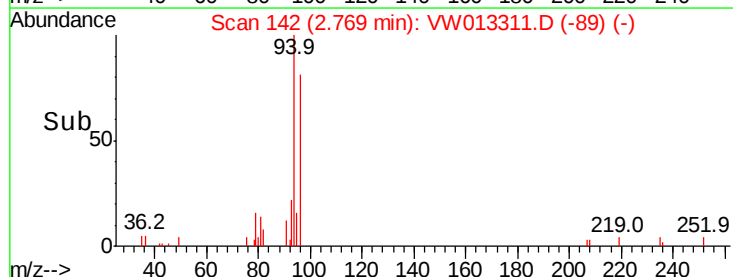
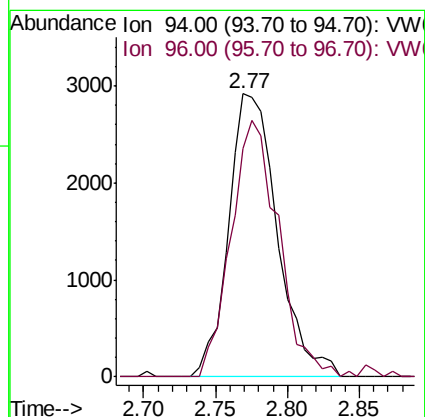
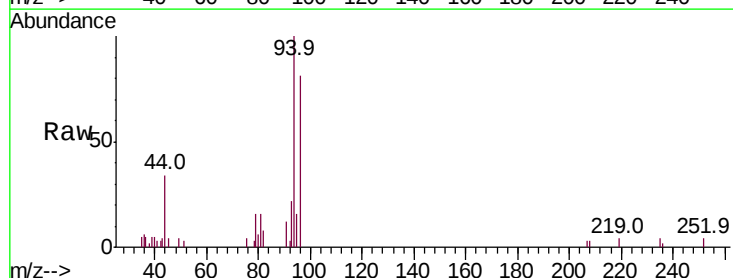
Acq: 26 Sep 2019 18:18

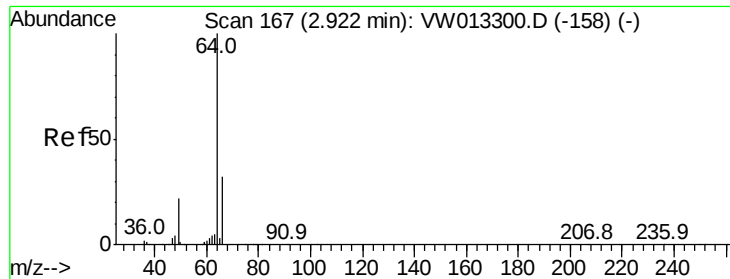
Tgt Ion: 94 Resp: 6888

Ion Ratio Lower Upper

94 100

96 87.9 9.7 184.3





#8

Chloroethane

Concen: 2.035 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

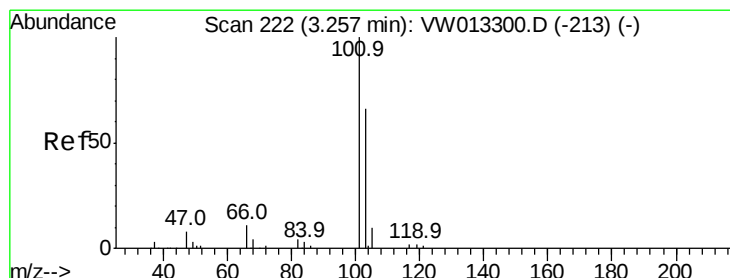
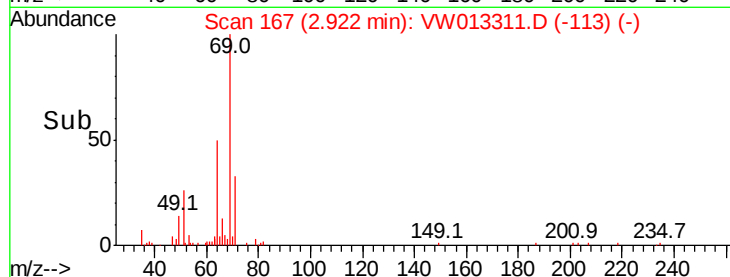
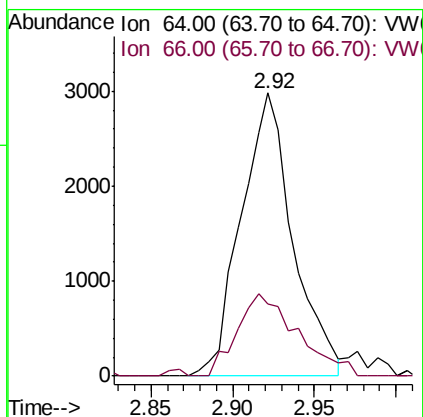
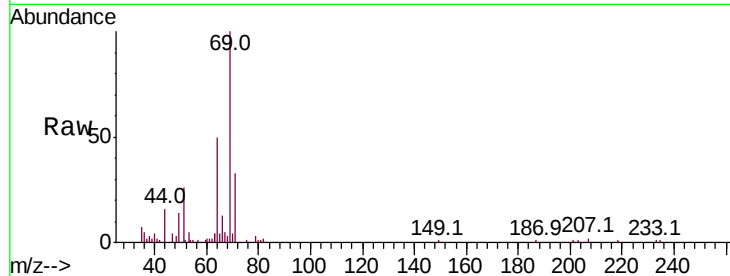
MDL07

Tot Ion: 64 Resp: 6582

Ion Ratio Lower Upper

64 100

66 25.7 22.7 42.1



#9

Trichlorofluoromethane

Concen: 1.570 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW013311.D

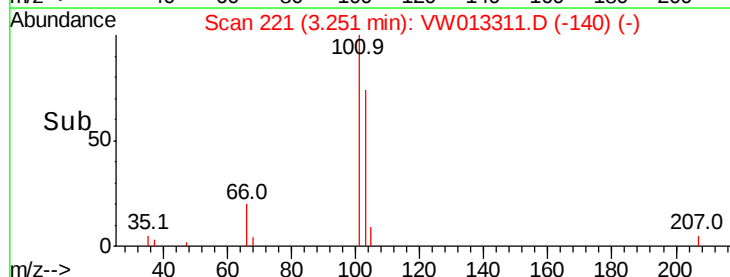
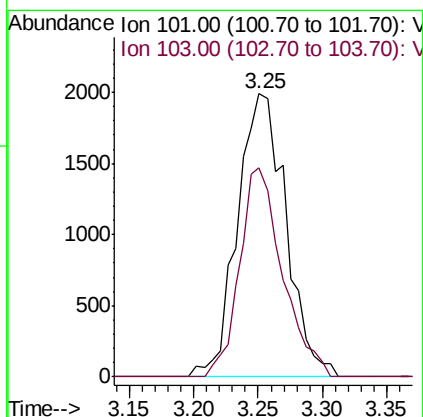
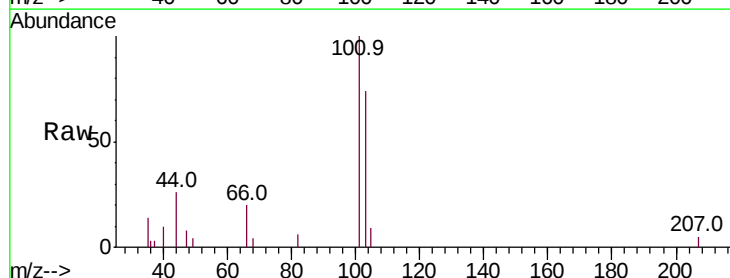
Acq: 26 Sep 2019 18:18

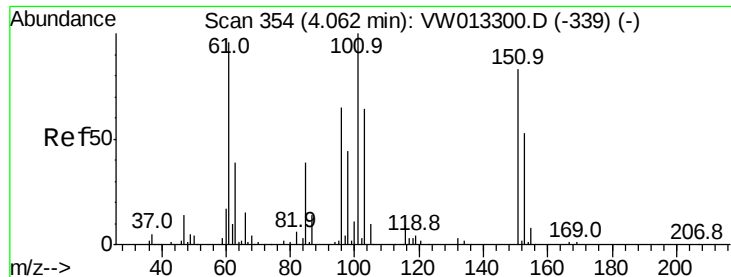
Tgt Ion: 101 Resp: 5188

Ion Ratio Lower Upper

101 100

103 65.2 45.2 84.0





#11

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

Concen: 2.399 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

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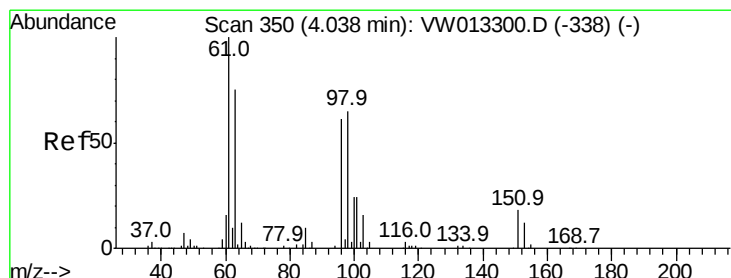
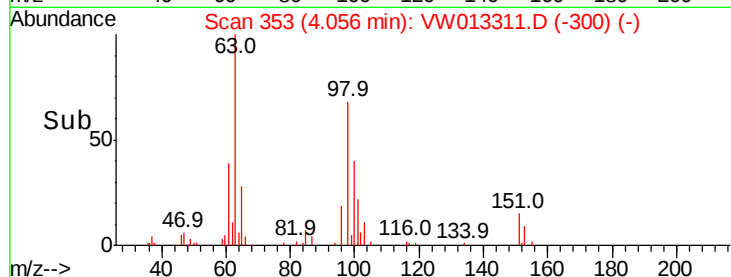
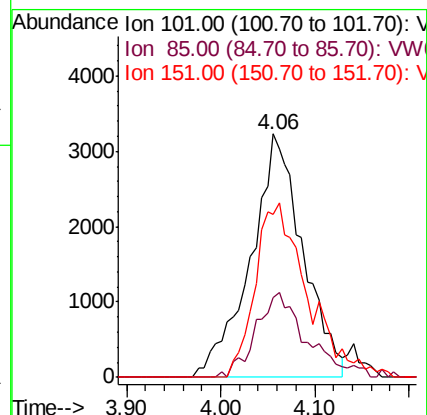
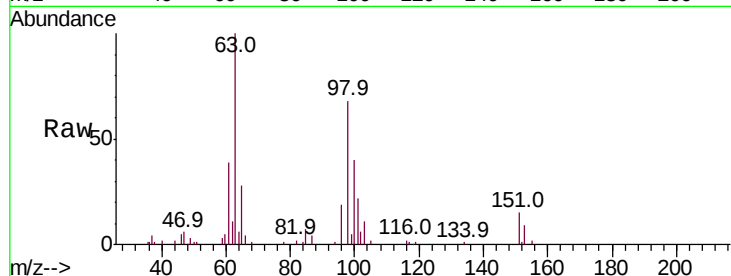
Tot Ion:101 Resp: 12529

Ion Ratio Lower Upper

101 100

85 26.4 31.8 47.8#

151 59.6 65.4 98.0#



#12

1,1-Dichloroethene

Concen: 2.321 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

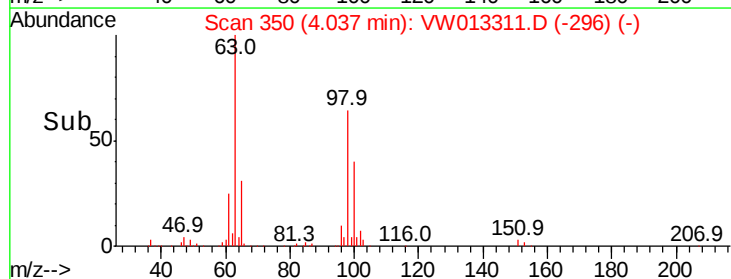
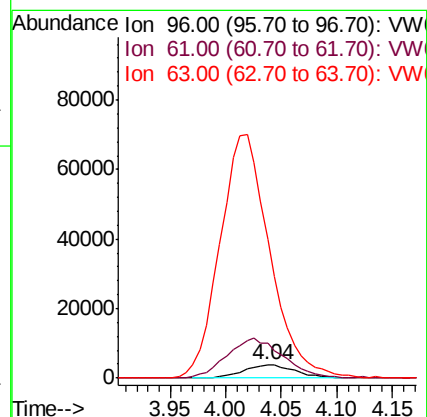
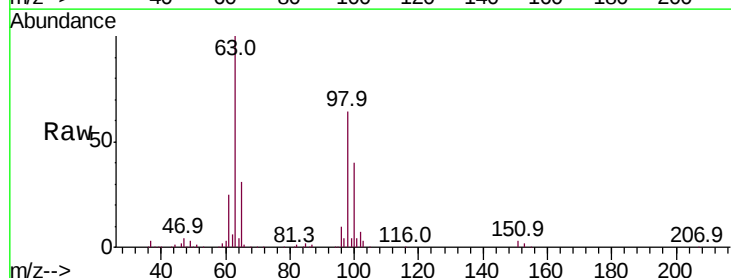
Tgt Ion: 96 Resp: 12303

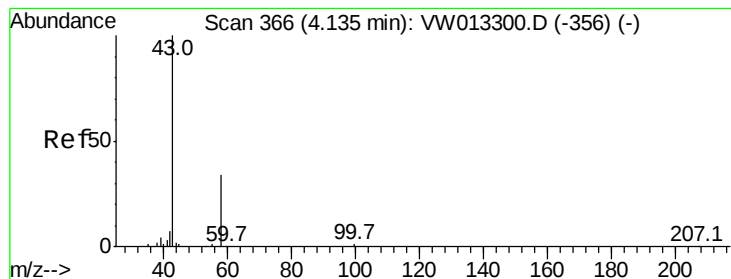
Ion Ratio Lower Upper

96 100

61 265.5 115.9 215.3#

63 1050.5 88.9 165.1#





#13

Acetone

Concen: 5.410 ug/L

RT: 4.13 min Scan# 366

Delta R.T. -0.00 min

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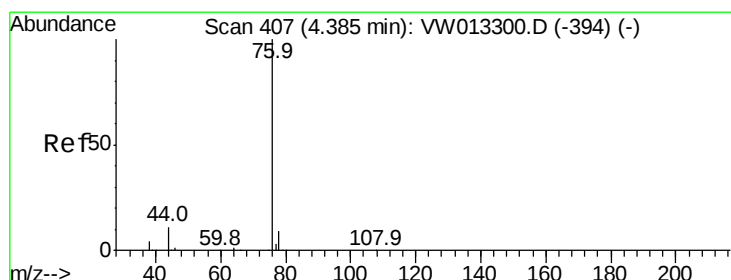
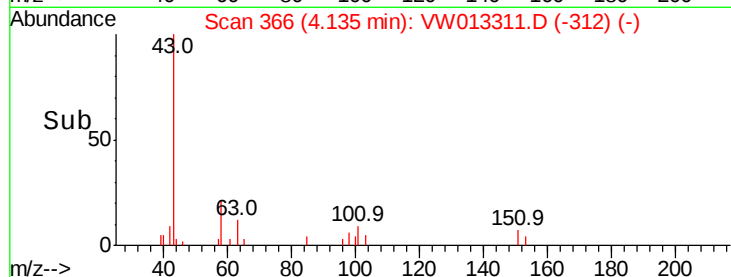
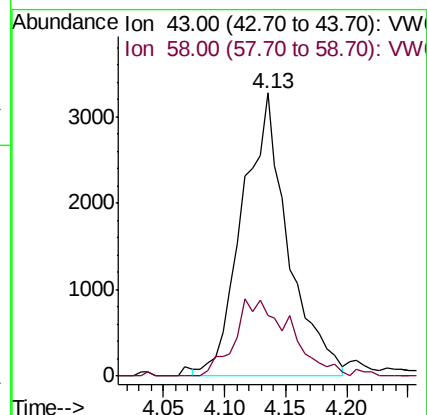
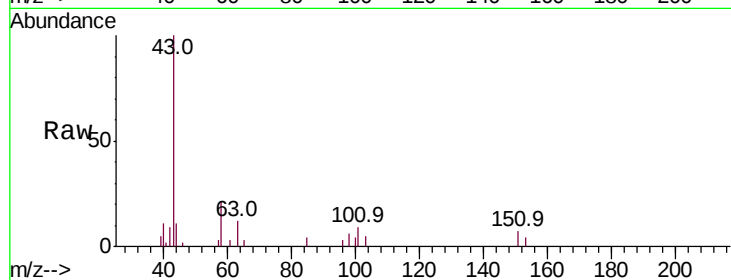
MDL07

Tot Ion: 43 Resp: 8532

Ion Ratio Lower Upper

43 100

58 15.7 0.0 63.2



#14

Carbon disulfide

Concen: 1.934 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW013311.D

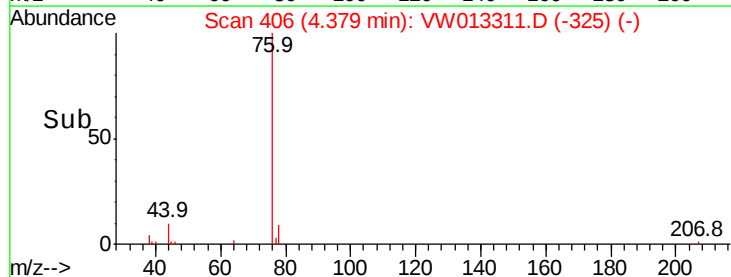
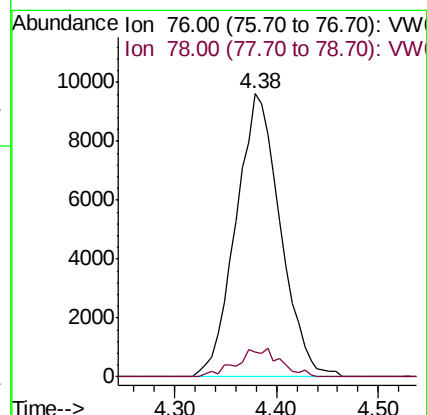
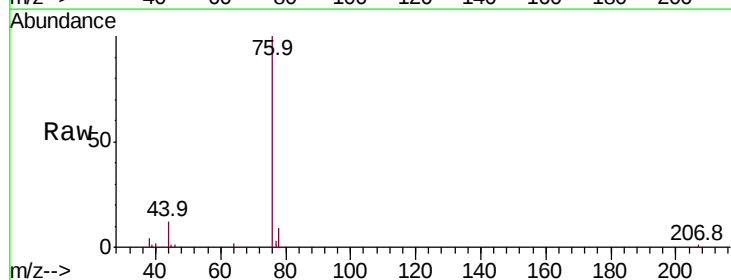
Acq: 26 Sep 2019 18:18

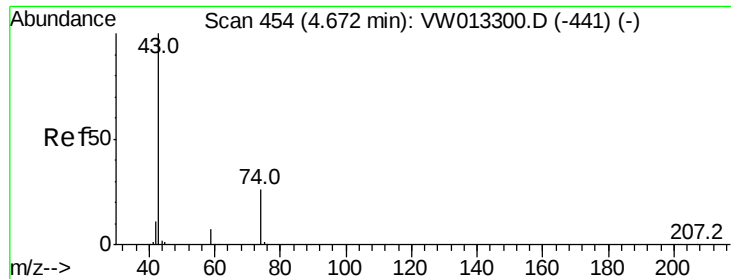
Tgt Ion: 76 Resp: 29089

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8

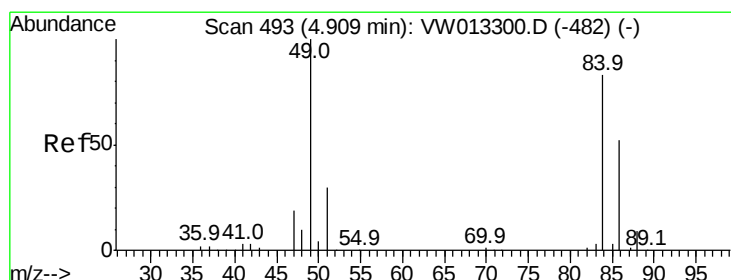
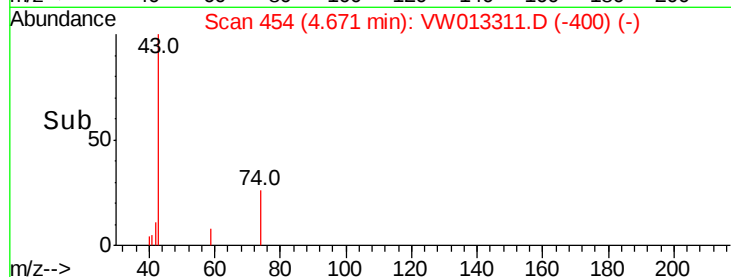
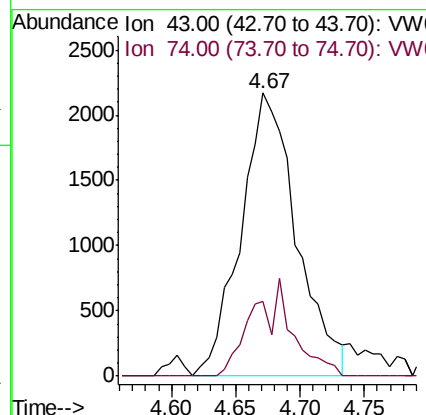
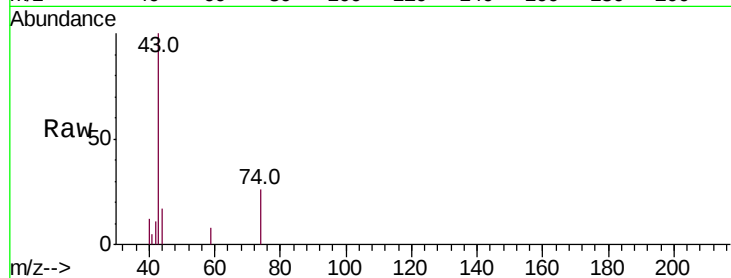




#15
Methyl Acetate
Concen: 2.147 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

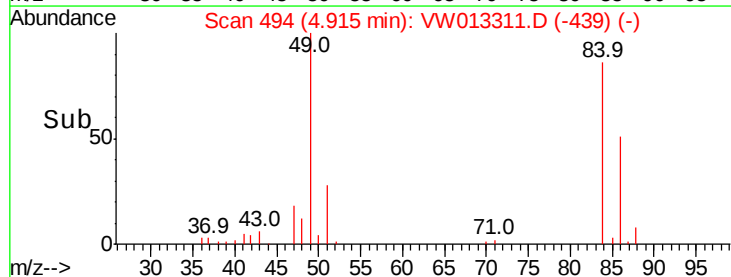
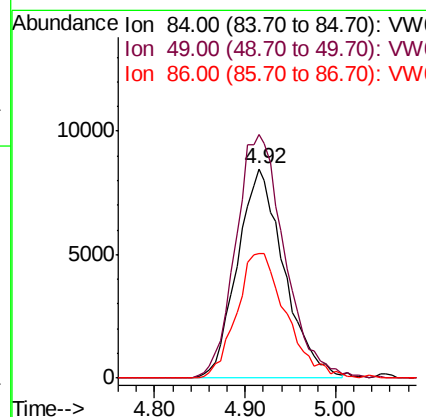
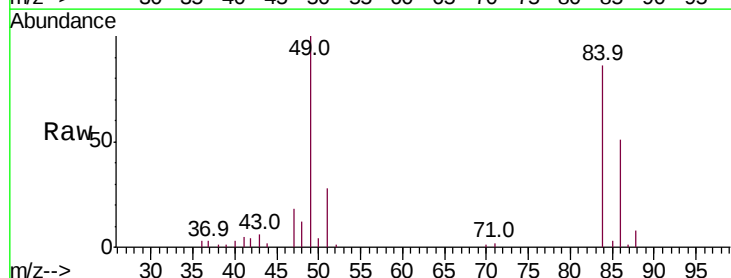
Instrument :
MSVOA_W
ClientSampleId :
MDL07

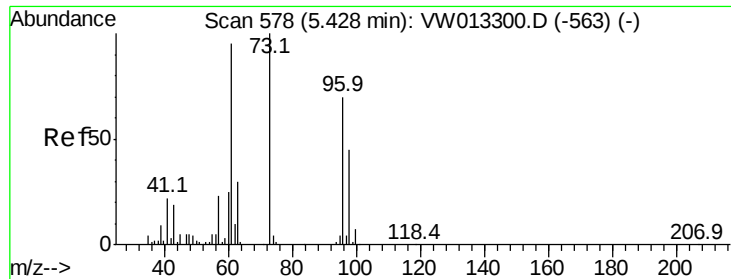
Tot Ion: 43 Resp: 6532
Ion Ratio Lower Upper
43 100
74 13.0 18.7 28.1#



#16
Methylene chloride
Concen: 4.403 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

Tgt Ion: 84 Resp: 30244
Ion Ratio Lower Upper
84 100
49 116.3 84.8 157.4
86 59.4 44.0 81.6

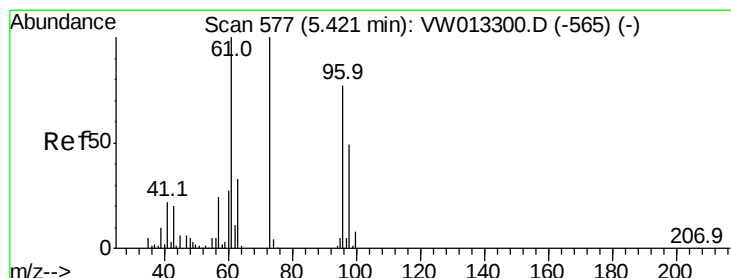
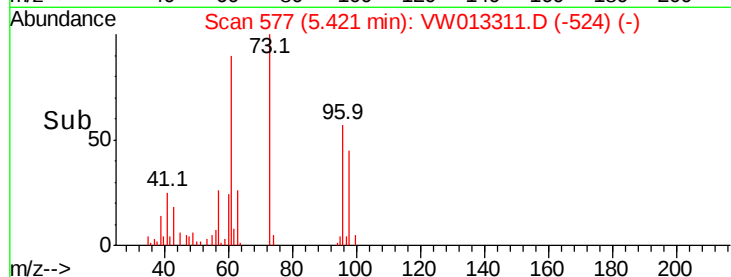
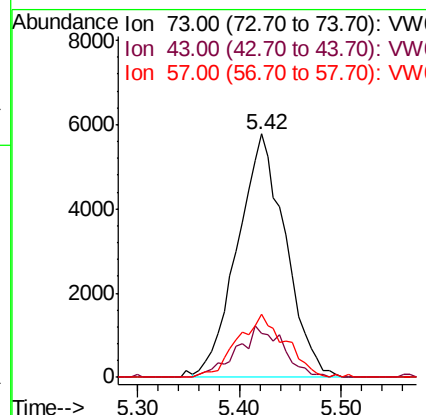
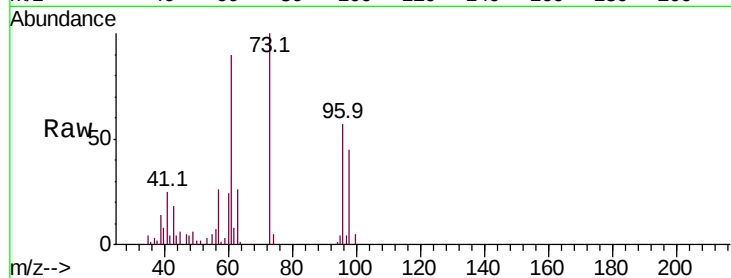




#17
Methvl tert-butvl Ether
Concen: 2.061 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

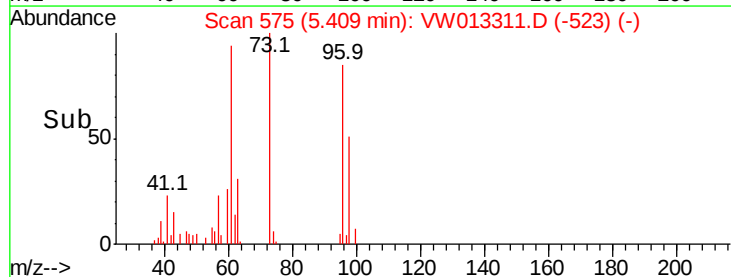
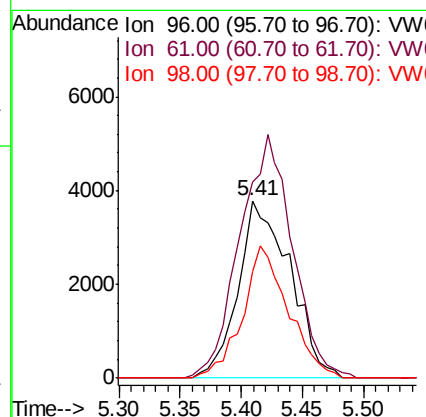
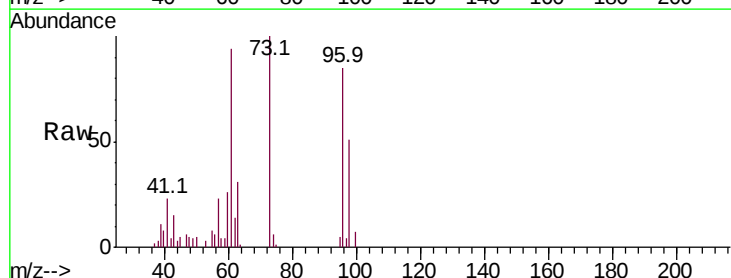
Instrument :
MSVOA_W
ClientSampleId :
MDL07

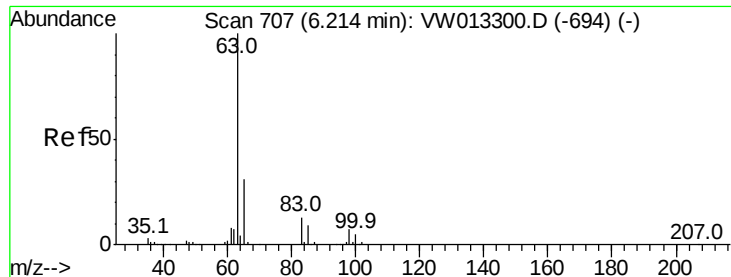
Tot Ion: 73 Resp: 18896
Ion Ratio Lower Upper
73 100
43 3.1 15.3 22.9#
57 17.1 18.2 27.4#



#18
trans-1,2-Dichloroethene
Concen: 1.965 ug/L
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

Tgt Ion: 96 Resp: 11134
Ion Ratio Lower Upper
96 100
61 110.5 91.2 169.4
98 60.4 44.7 82.9

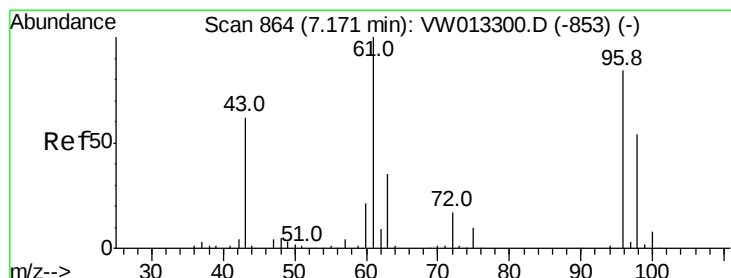
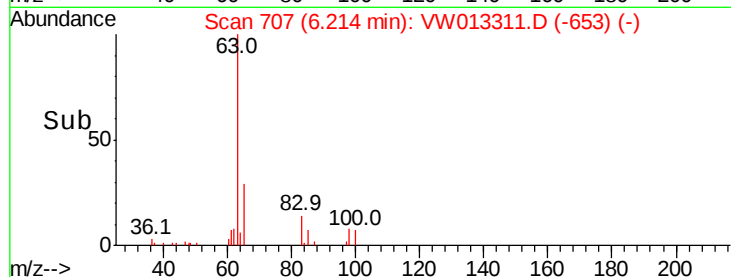
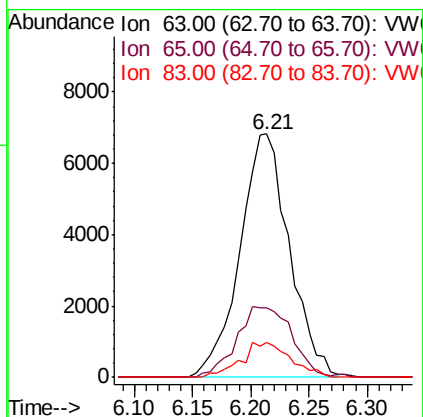
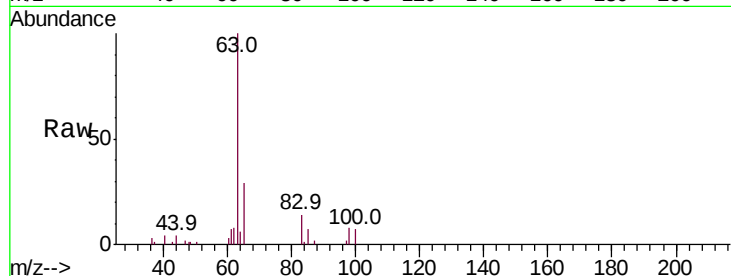




#19
 1,1-Dichloroethane
 Concen: 2.034 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW013311.D
 Acq: 26 Sep 2019 18:18

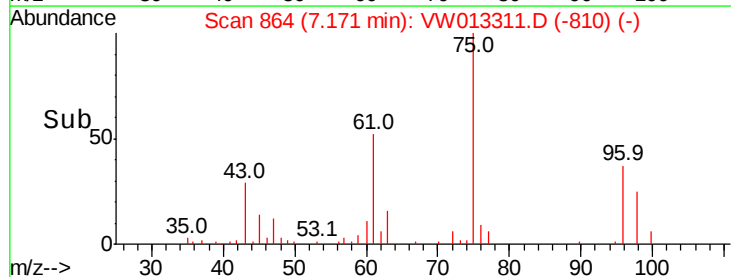
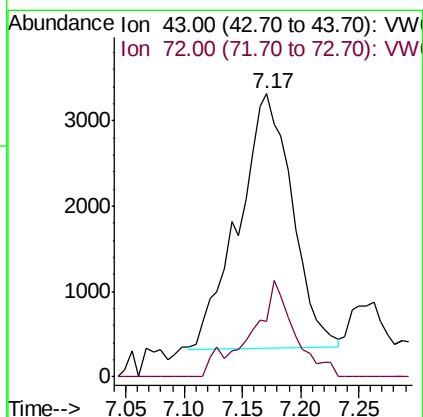
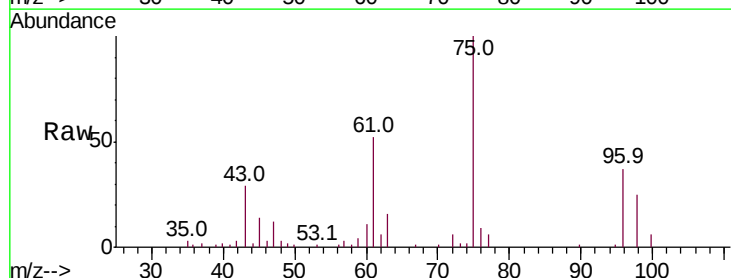
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

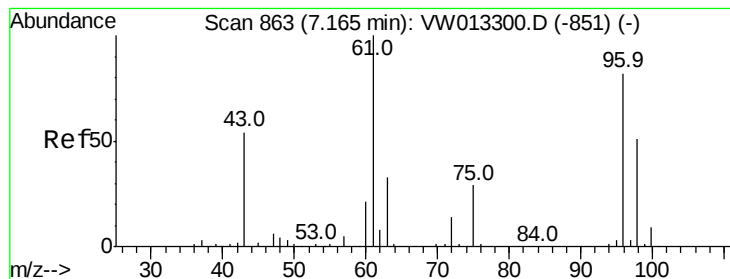
Tot Ion: 63 Resp: 20214
 Ion Ratio Lower Upper
 63 100
 65 28.6 21.8 40.4
 83 14.5 9.3 17.3



#21
 2-Butanone
 Concen: 4.199 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW013311.D
 Acq: 26 Sep 2019 18:18

Tgt Ion: 43 Resp: 9537
 Ion Ratio Lower Upper
 43 100
 72 26.5 13.2 39.6





#22

cis-1,2-Dichloroethene

Concen: 2.020 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

MDL07

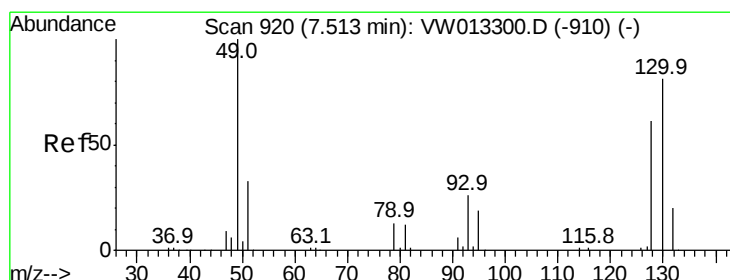
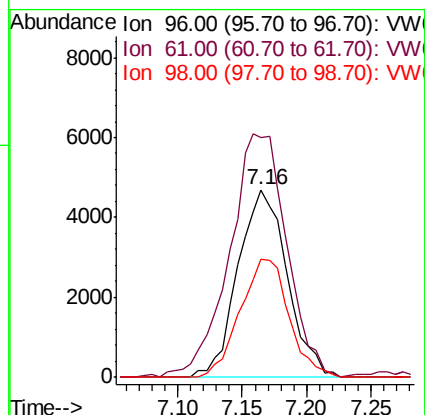
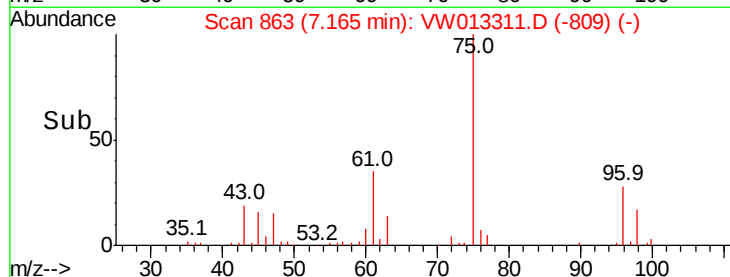
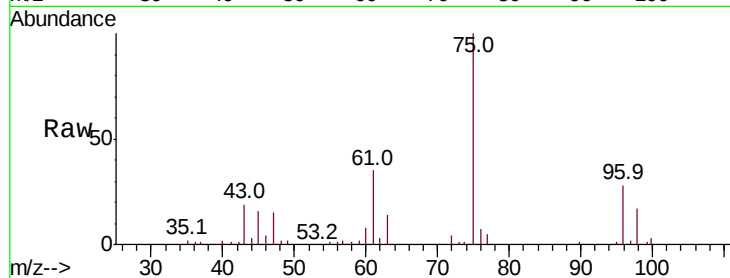
Tot Ion: 96 Resp: 12473

Ion Ratio Lower Upper

96 100

61 127.9 86.0 159.6

98 63.1 43.5 80.9



#23

Bromochloromethane

Concen: 2.025 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Tgt Ion: 128 Resp: 5626

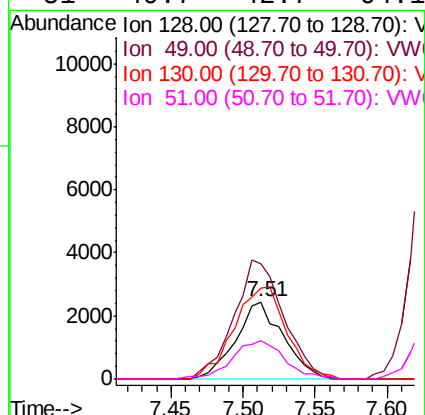
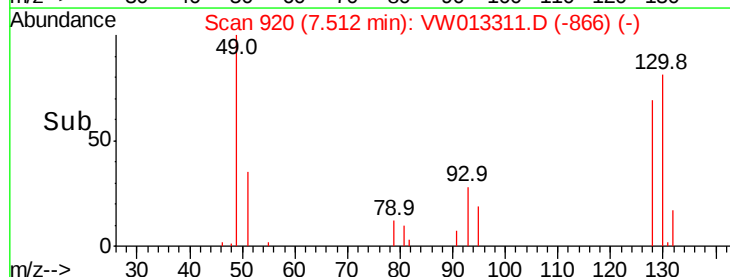
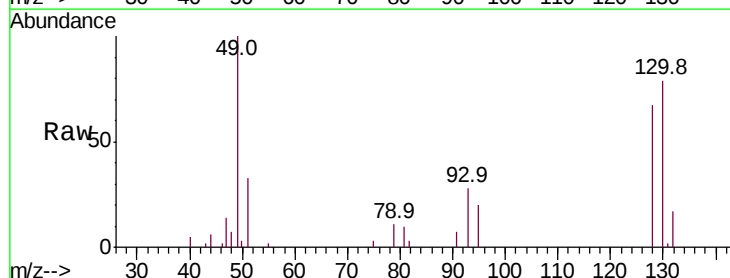
Ion Ratio Lower Upper

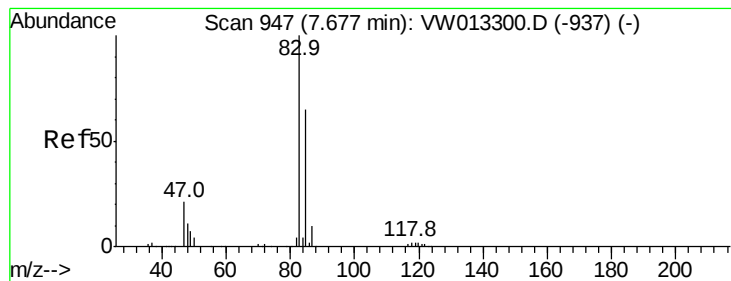
128 100

49 148.3 114.6 212.8

130 117.3 92.6 172.0

51 49.7 42.7 64.1





#25

Chloroform

Concen: 2.205 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

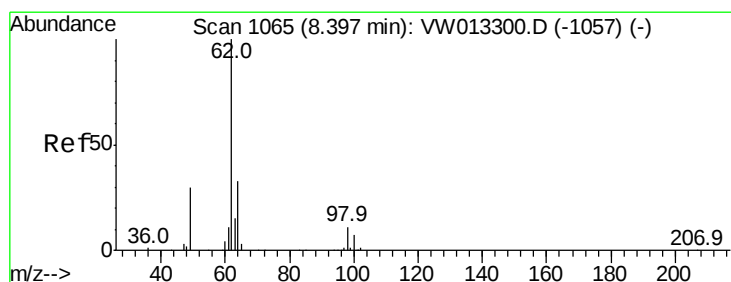
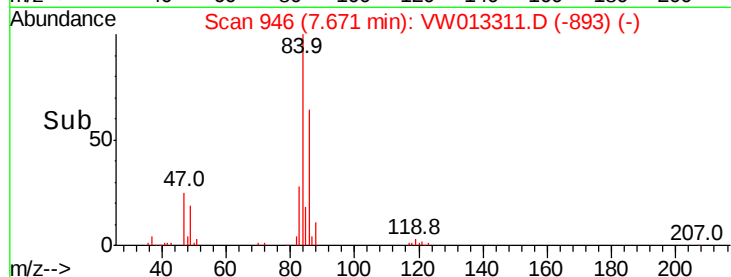
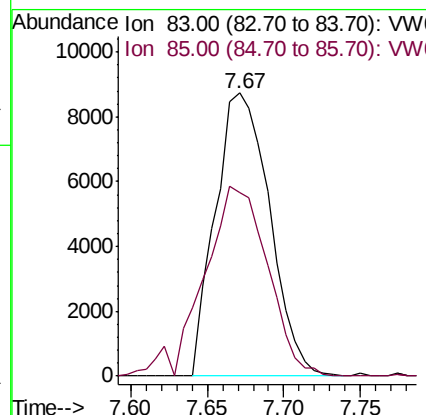
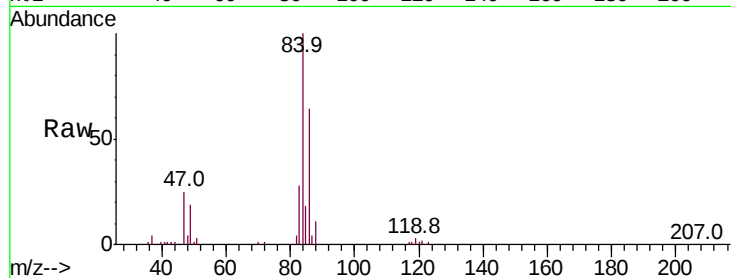
MDL07

Tot Ion: 83 Resp: 21538

Ion Ratio Lower Upper

83 100

85 75.8 45.9 85.3



#27

1,2-Dichloroethane

Concen: 2.227 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW013311.D

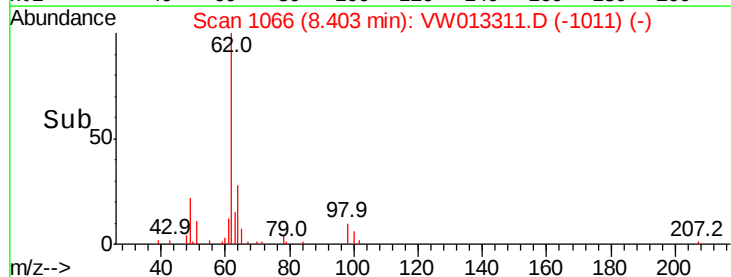
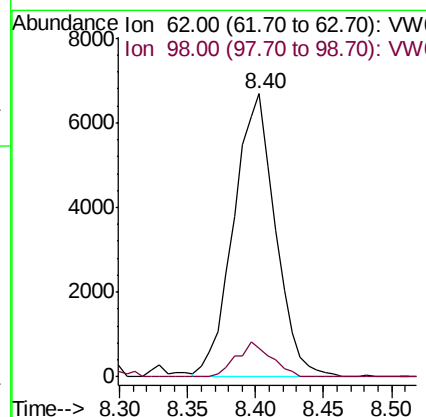
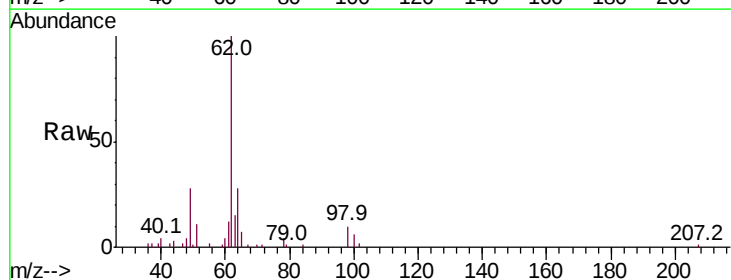
Acq: 26 Sep 2019 18:18

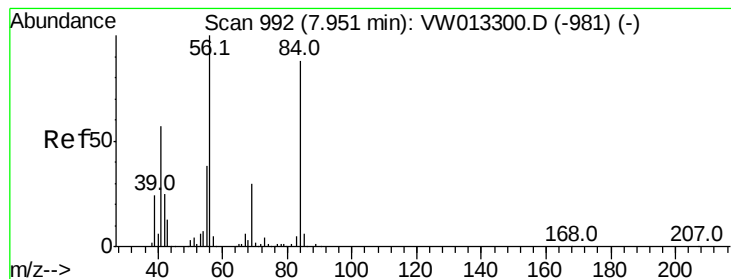
Tgt Ion: 62 Resp: 14247

Ion Ratio Lower Upper

62 100

98 10.1 9.0 13.6





#30

Cyclohexane

Concen: 1.989 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

MDL07

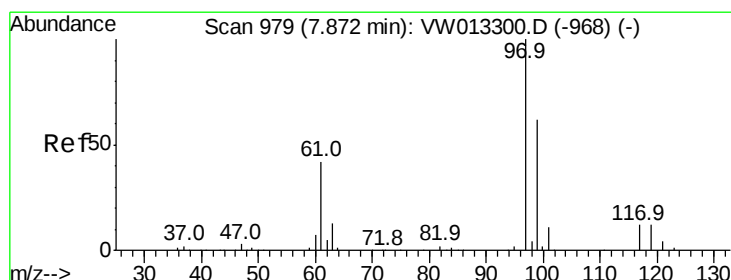
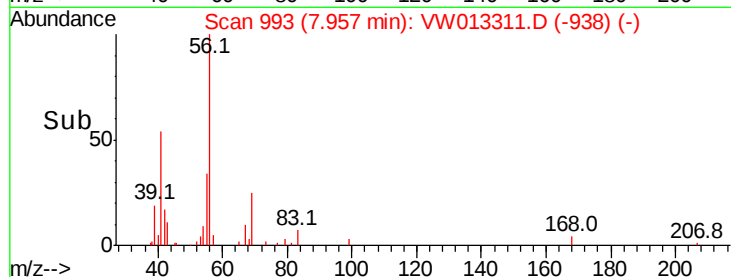
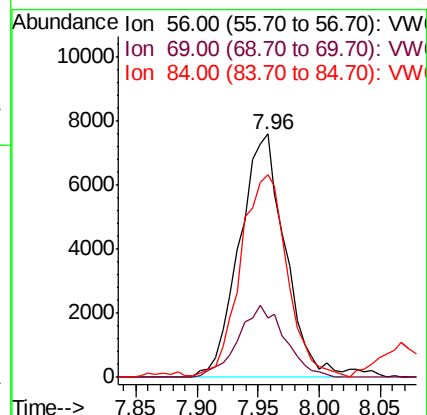
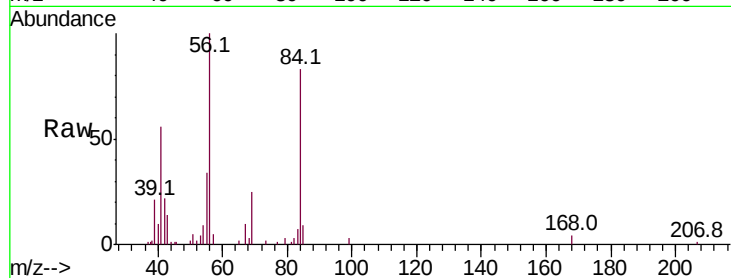
Tot Ion: 56 Resp: 19789

Ion Ratio Lower Upper

56 100

69 30.3 24.6 37.0

84 85.4 69.5 104.3



#31

1,1,1-Trichloroethane

Concen: 2.021 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

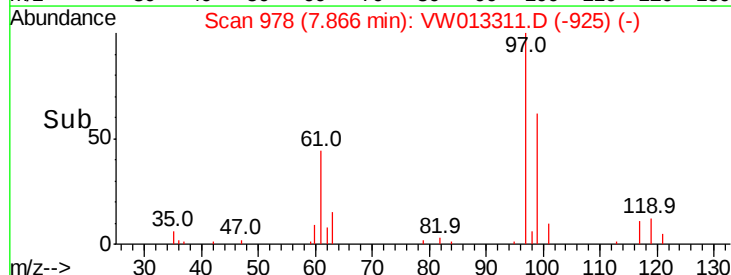
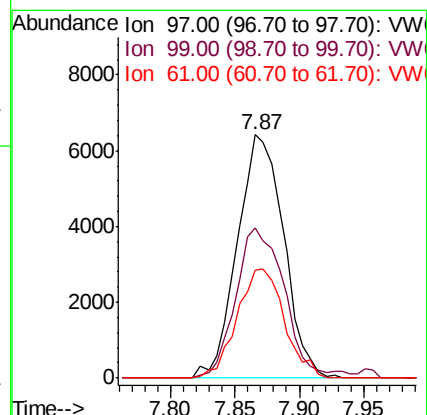
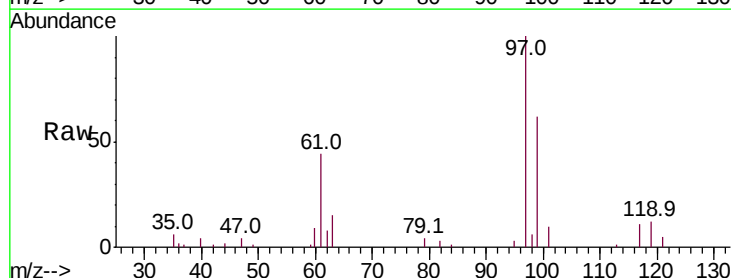
Tgt Ion: 97 Resp: 16066

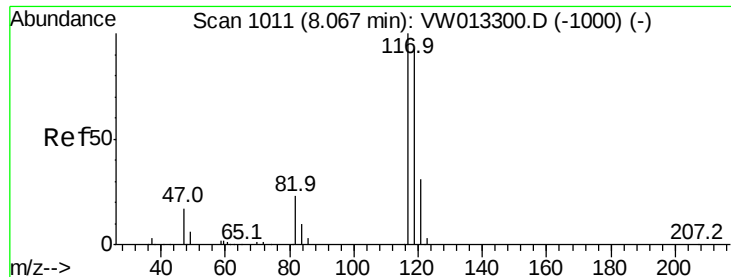
Ion Ratio Lower Upper

97 100

99 64.0 50.6 75.8

61 45.6 34.2 51.2





#32

Carbon tetrachloride

Concen: 1.943 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

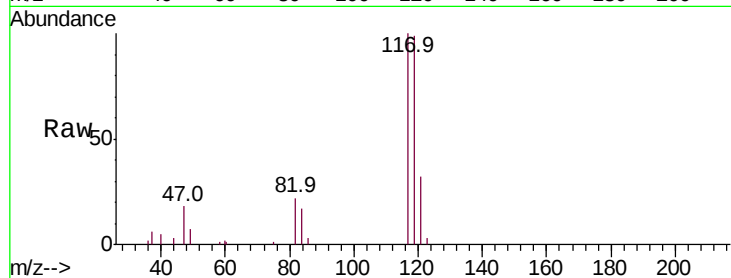
MDL07

Tot Ion:117 Resp: 14727

Ion Ratio Lower Upper

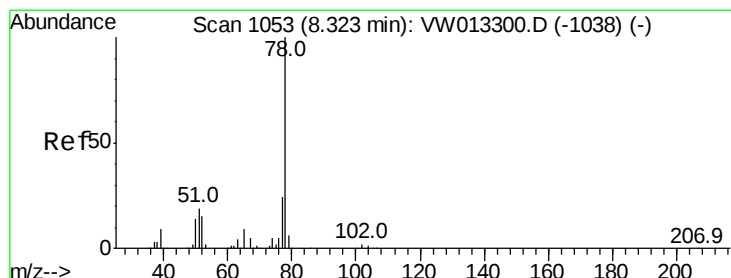
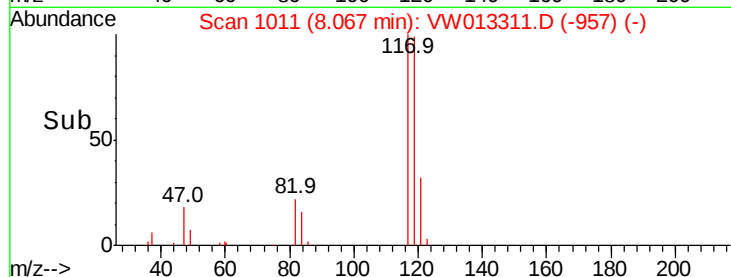
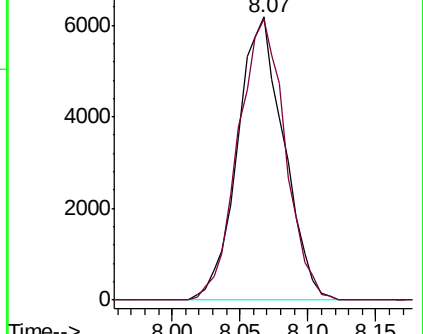
117 100

119 100.6 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: 2.100 ug/L

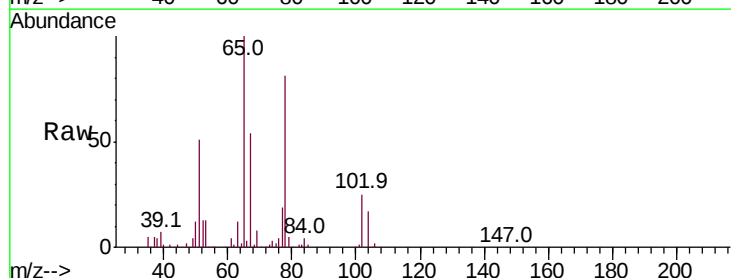
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

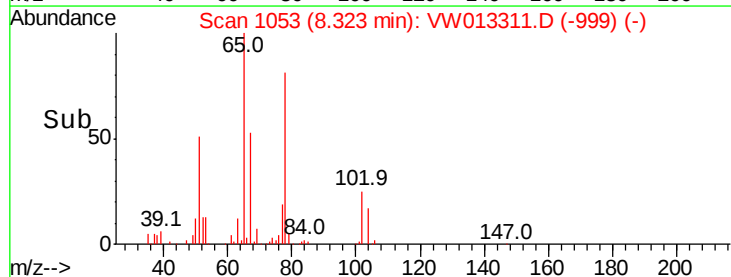
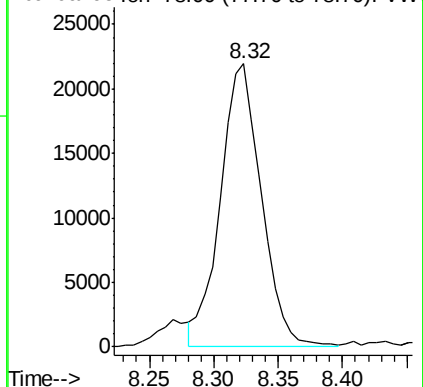
Lab File: VW013311.D

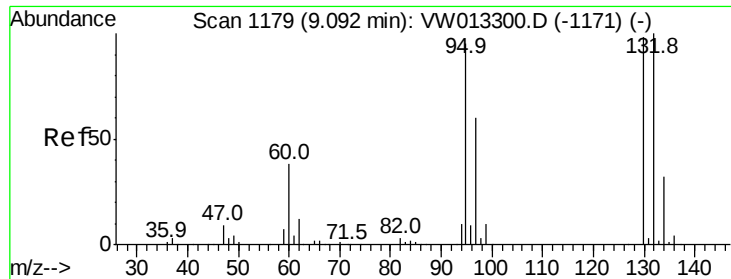
Acq: 26 Sep 2019 18:18

Tgt Ion: 78 Resp: 48766



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 2.141 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampled :

MDL07

Tot Ion: 95 Resp: 13061

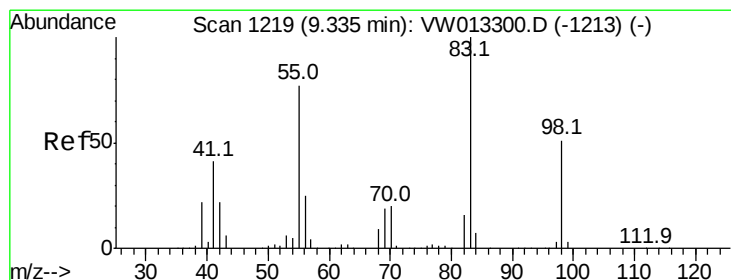
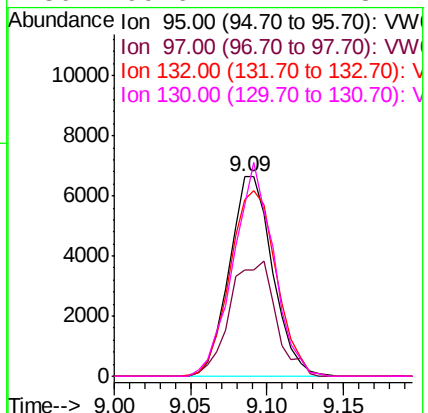
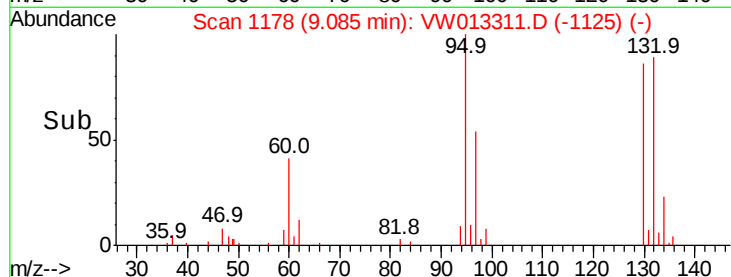
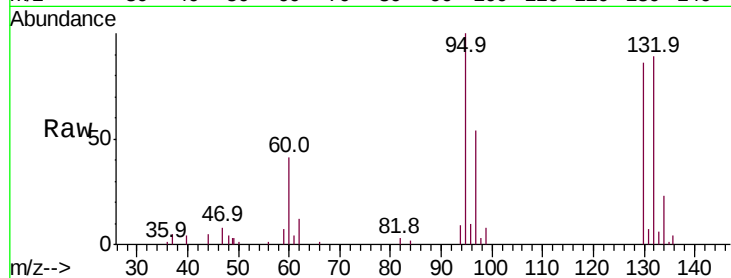
Ion Ratio Lower Upper

95 100

97 37.2 44.3 82.3#

132 99.8 71.7 133.3

130 99.6 74.1 137.7



#36

Methylcyclohexane

Concen: 1.894 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

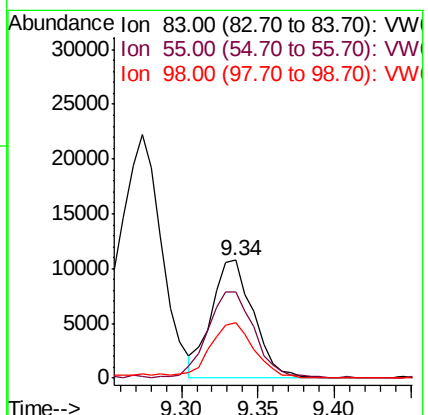
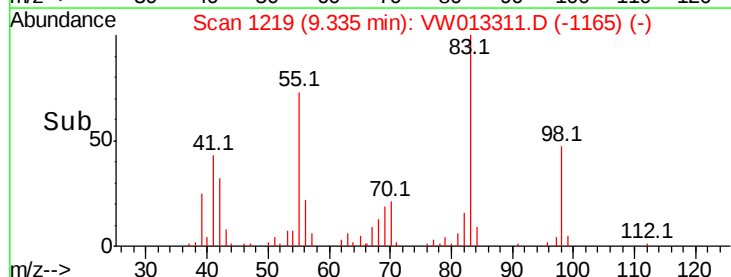
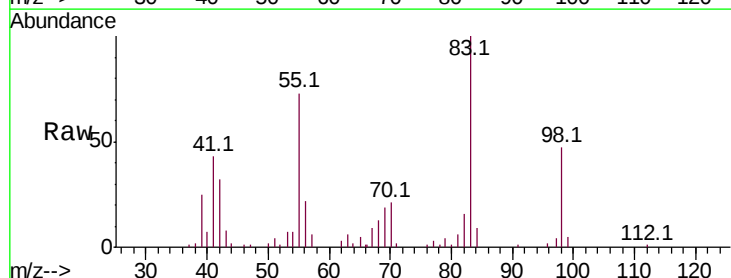
Tgt Ion: 83 Resp: 20583

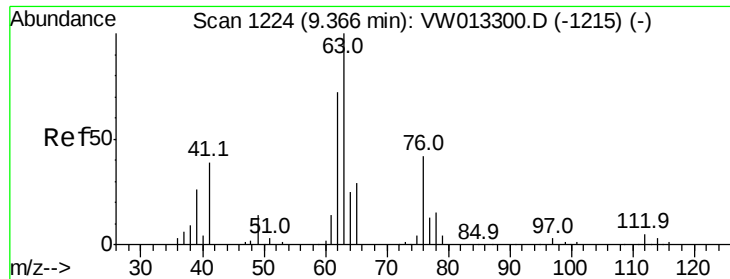
Ion Ratio Lower Upper

83 100

55 82.0 61.8 92.6

98 49.7 39.6 59.4





#40

1,2-Dichloropropane

Concen: 2.144 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampled :

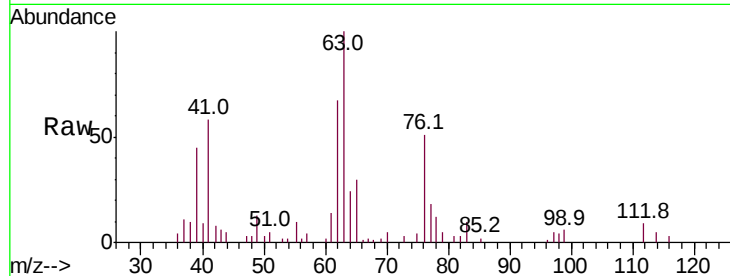
MDL07

Tot Ion: 63 Resp: 12250

Ion Ratio Lower Upper

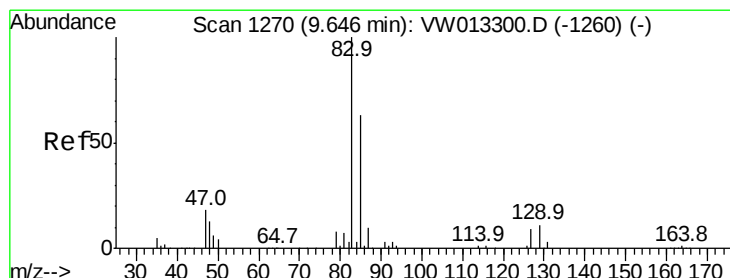
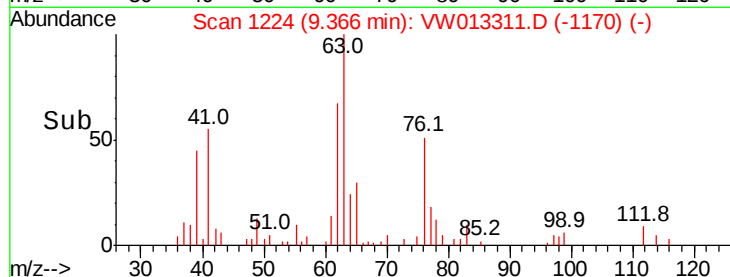
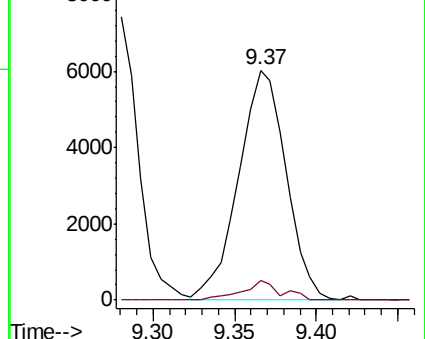
63 100

112 5.6 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: 2.036 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

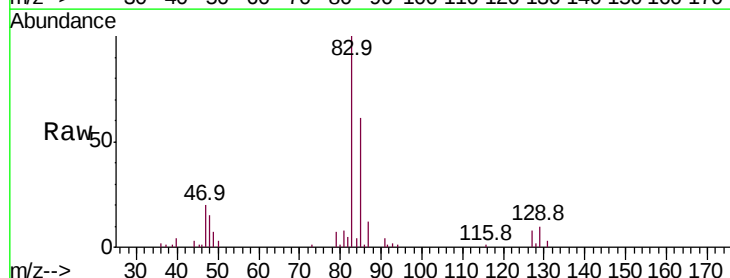
Tgt Ion: 83 Resp: 14272

Ion Ratio Lower Upper

83 100

85 60.8 43.8 81.4

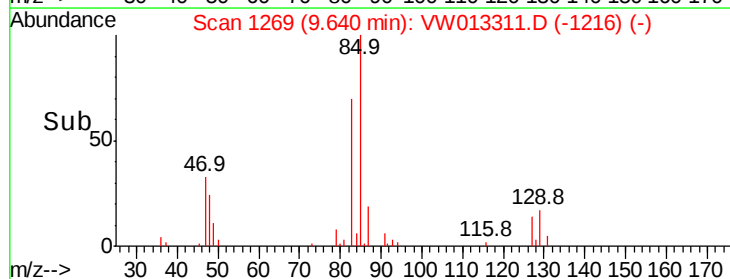
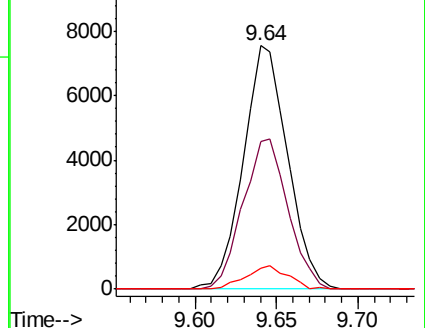
127 8.4 7.0 10.6

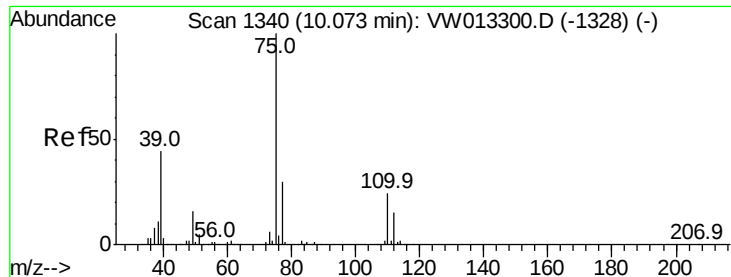


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 2.036 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

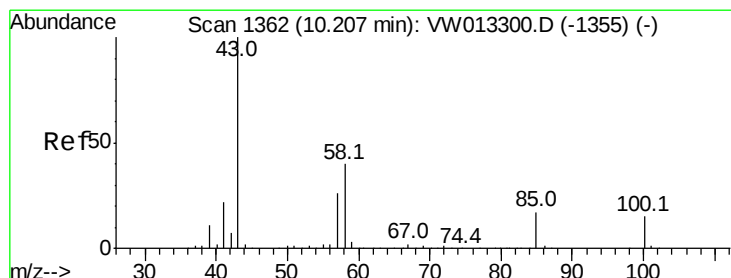
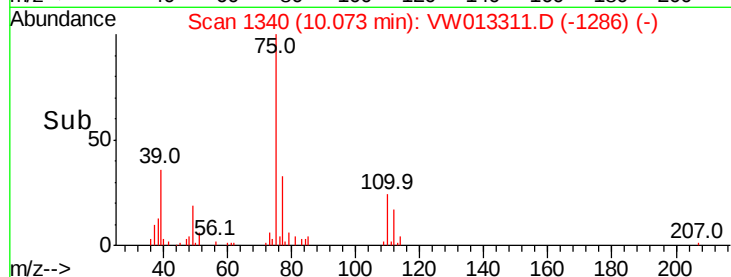
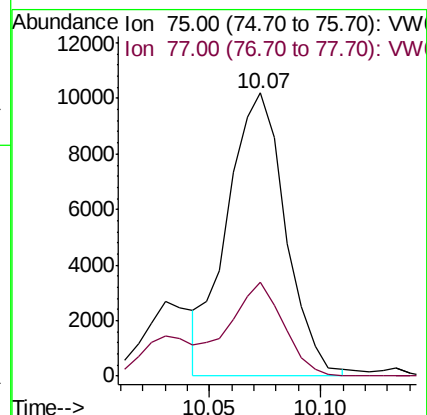
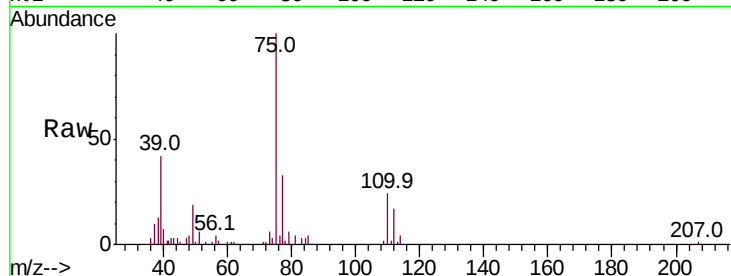
MDL07

Tot Ion: 75 Resp: 18587

Ion Ratio Lower Upper

75 100

77 33.1 21.3 39.5



#43

4-Methyl-2-pentanone

Concen: 5.012 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

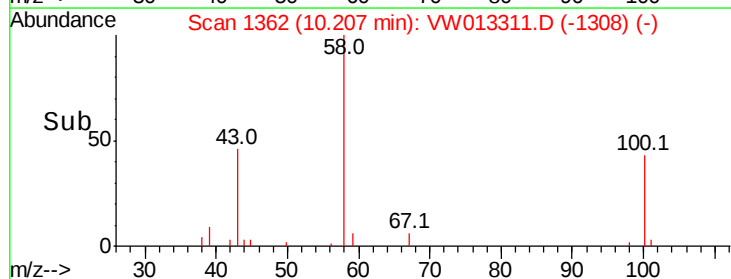
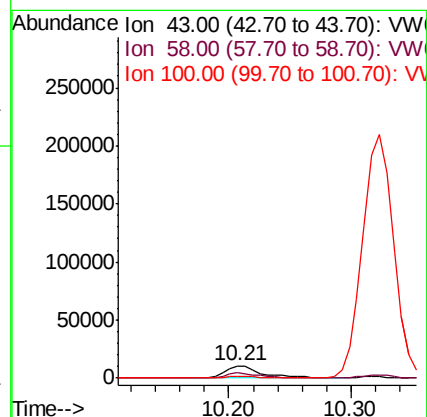
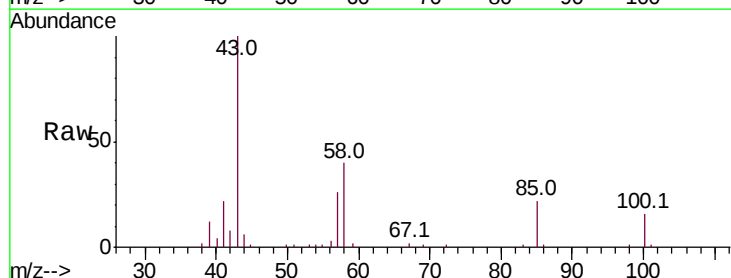
Tgt Ion: 43 Resp: 21923

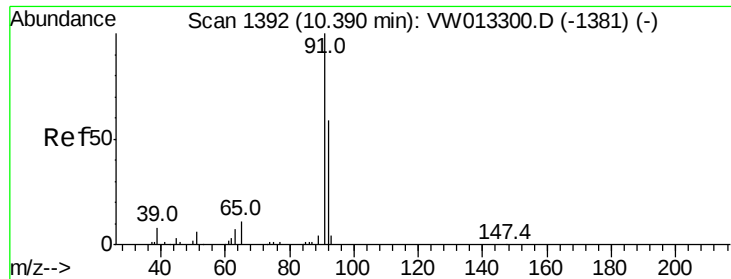
Ion Ratio Lower Upper

43 100

58 41.4 32.7 49.1

100 14.9 12.9 19.3





#44

Toluene

Concen: 2.131 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampled :

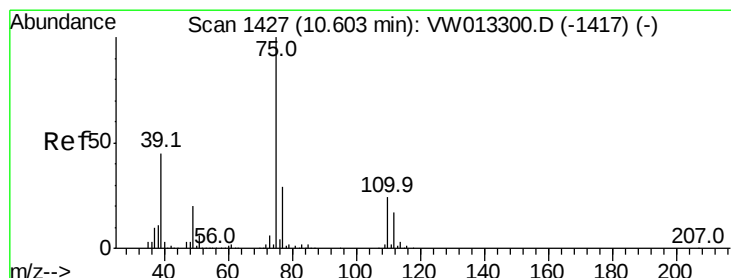
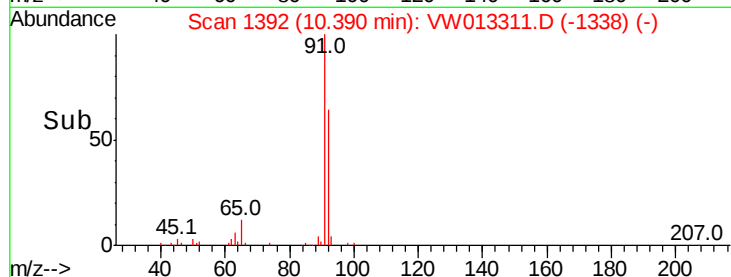
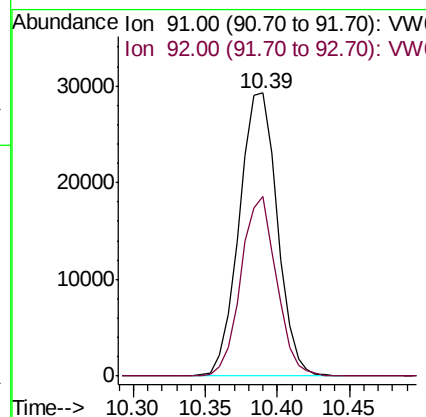
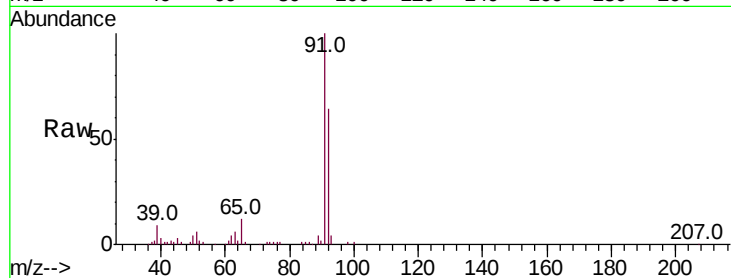
MDL07

Tot Ion: 91 Resp: 53894

Ion Ratio Lower Upper

91 100

92 63.7 41.5 77.1



#45

trans-1,3-Dichloropropene

Concen: 2.345 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW013311.D

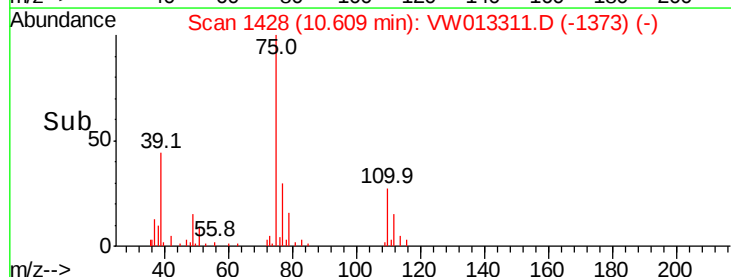
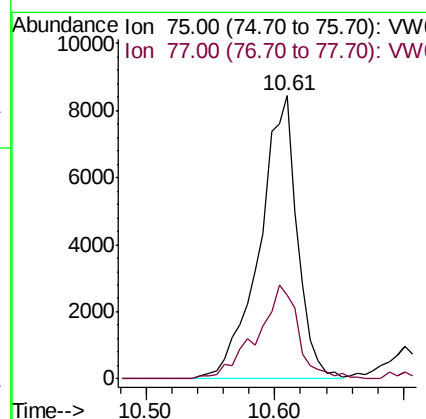
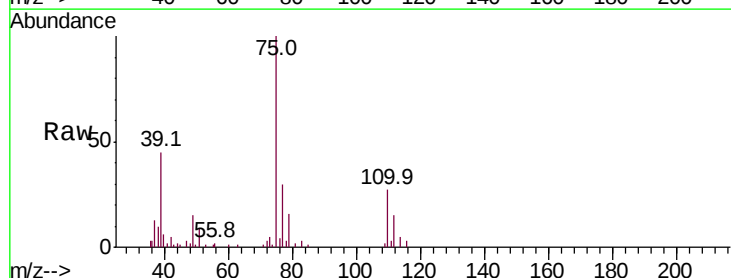
Acq: 26 Sep 2019 18:18

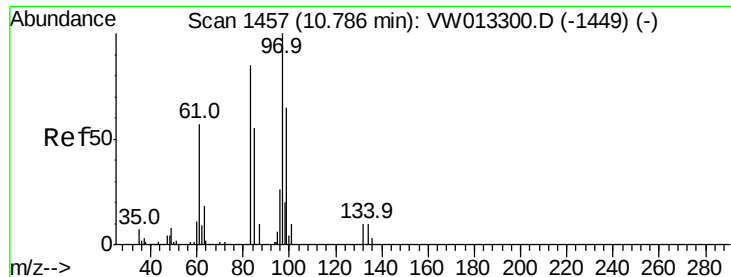
Tgt Ion: 75 Resp: 17205

Ion Ratio Lower Upper

75 100

77 29.6 20.5 38.1





#46

1,1,2-Trichloroethane

Concen: 2.003 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

MDL07

Tot Ion: 97 Resp: 8969

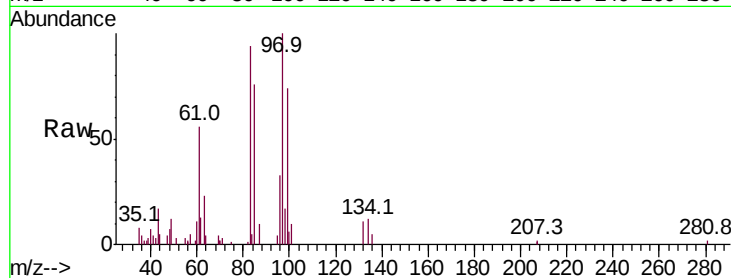
Ion Ratio Lower Upper

97 100

83 94.2 59.4 110.2

85 75.6 38.7 71.9#

99 73.8 45.8 85.0

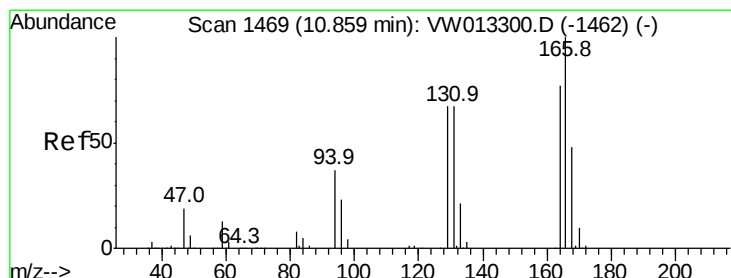
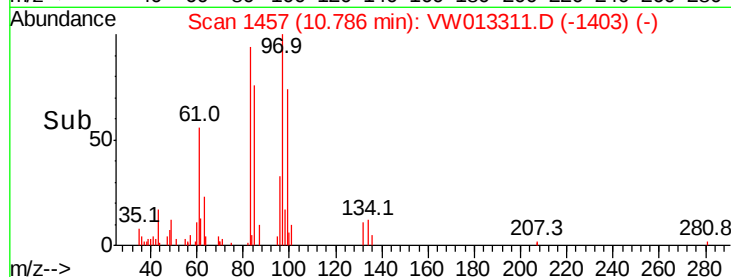
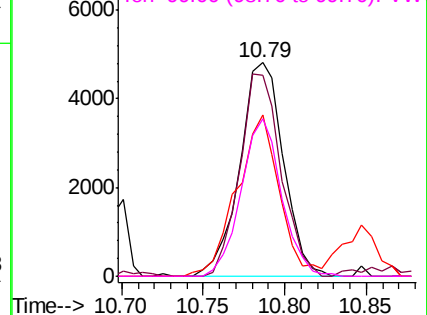


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 2.015 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Tgt Ion: 164 Resp: 11061

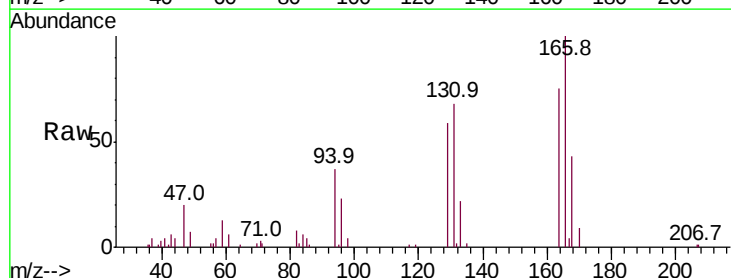
Ion Ratio Lower Upper

164 100

129 79.1 60.5 112.5

131 91.2 60.6 112.6

166 133.4 90.6 168.2

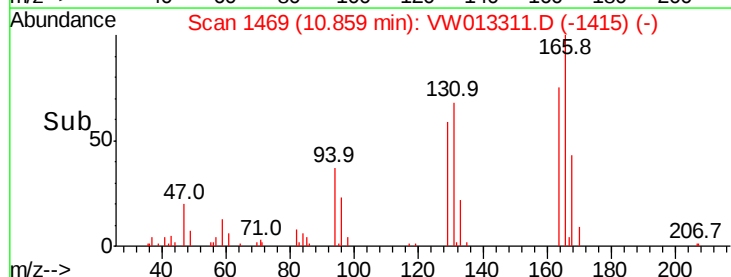
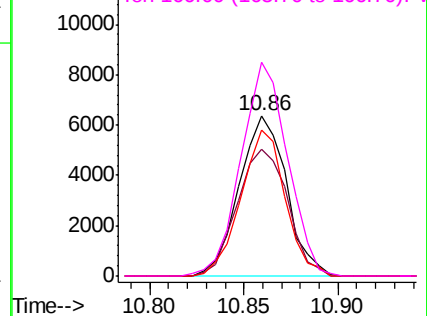


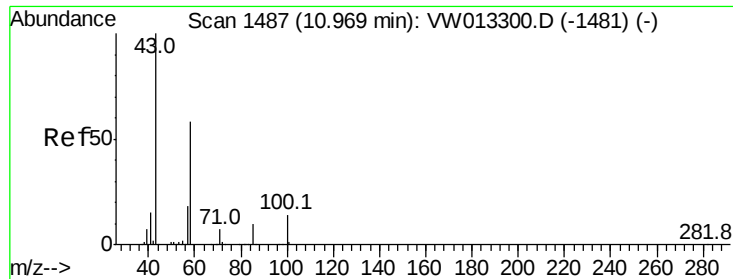
Abundance Ion 164.00 (163.70 to 164.70): V

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

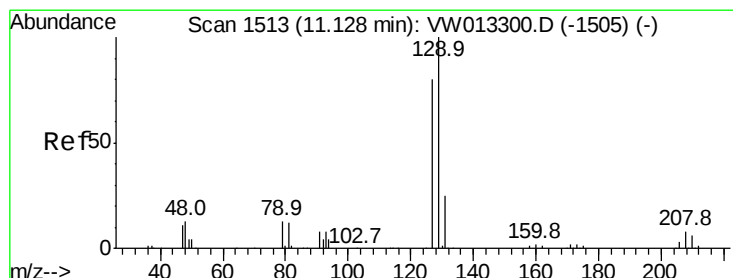
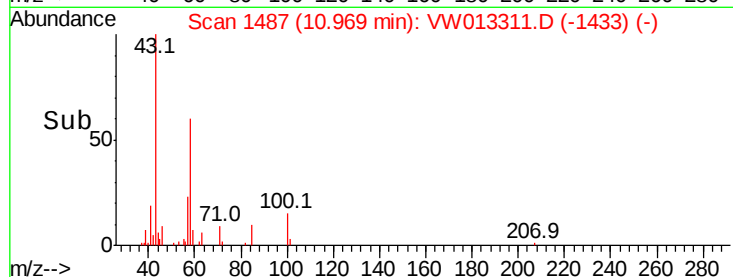
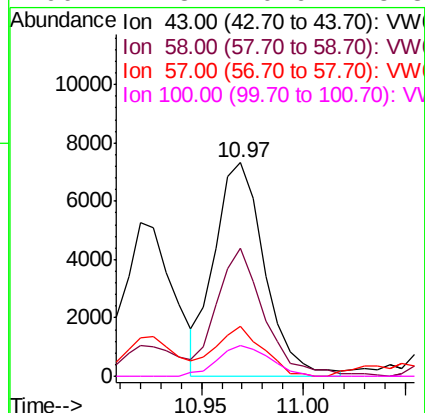
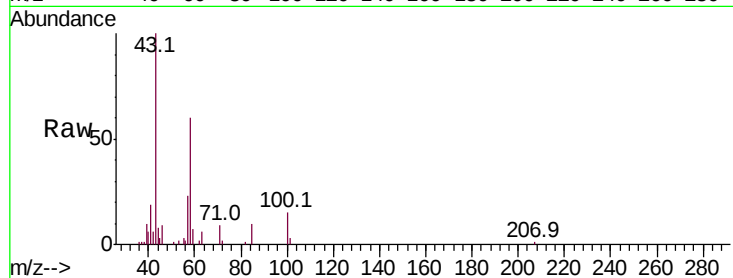




#49
2-Hexanone
Concen: 3.982 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

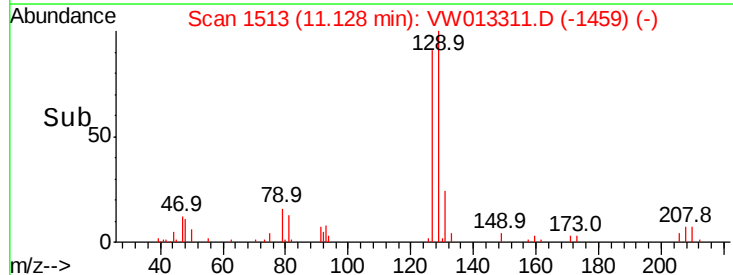
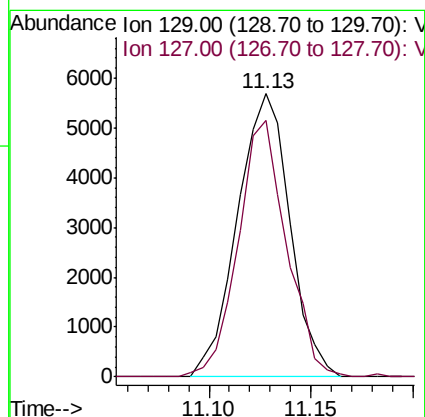
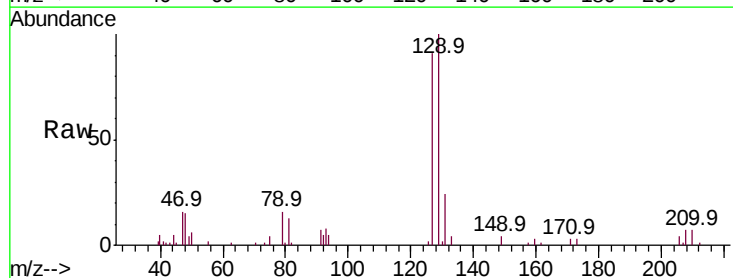
Instrument :
MSVOA_W
ClientSampleId :
MDL07

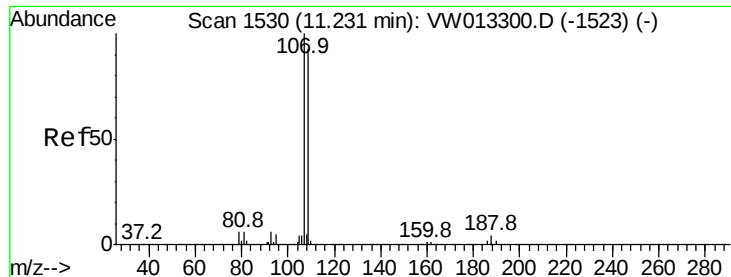
Tot Ion:	43	Resp:	12522
Ion	Ratio	Lower	Upper
43	100		
58	56.4	44.3	66.5
57	22.0	15.3	22.9
100	14.8	10.6	15.8



#50
Dibromochloromethane
Concen: 1.978 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

Tgt Ion:	129	Resp:	10158
Ion	Ratio	Lower	Upper
129	100		
127	90.6	56.1	104.1

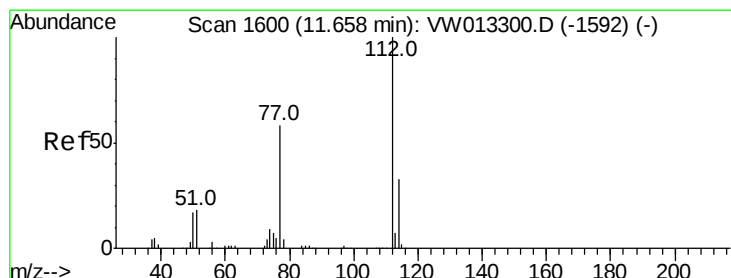
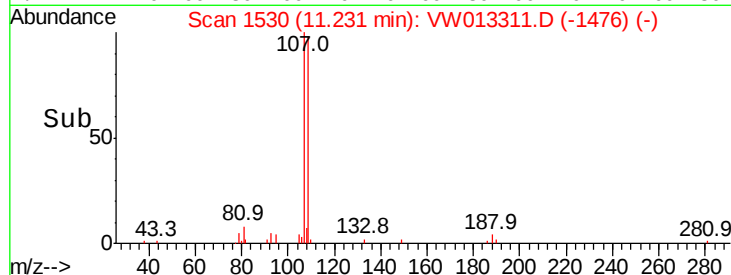
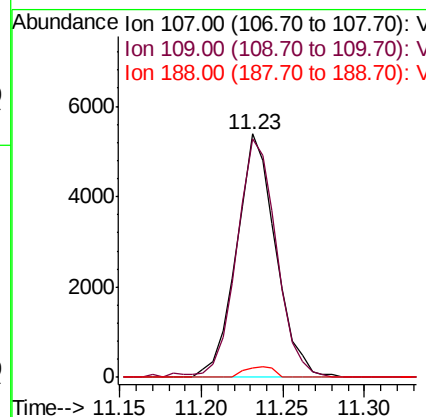
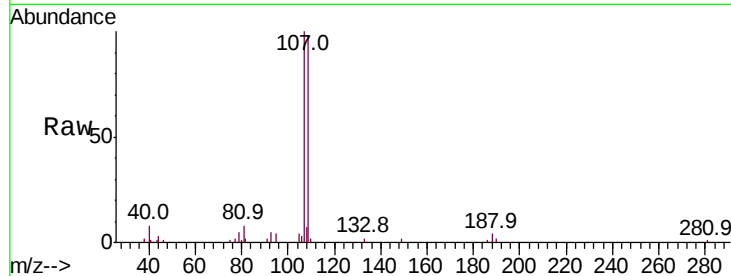




#51
1,2-Dibromoethane
Concen: 2.048 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

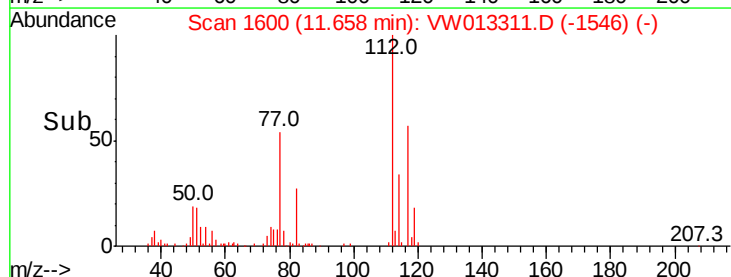
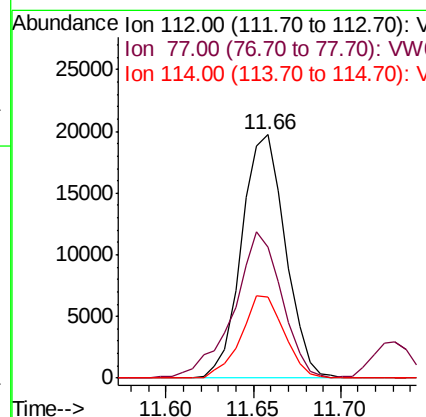
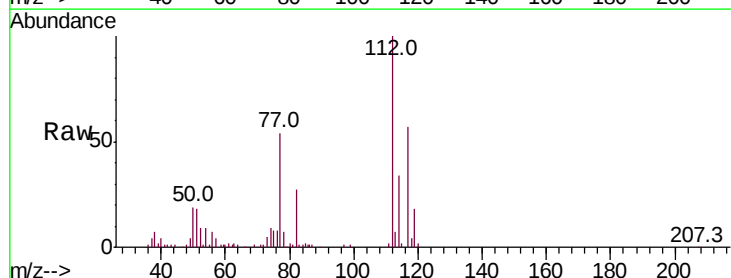
Instrument :
MSVOA_W
ClientSampleId :
MDL07

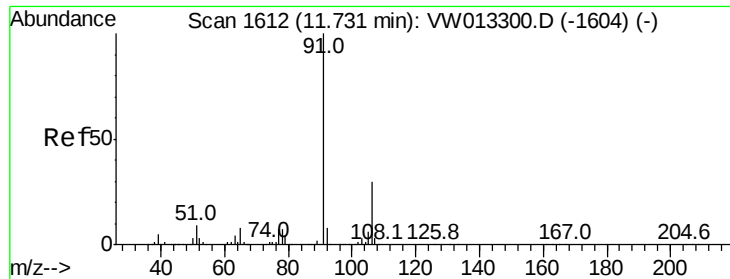
Tot Ion:107 Resp: 9010
Ion Ratio Lower Upper
107 100
109 97.9 65.5 121.6
188 3.8 3.0 4.6



#52
Chlorobenzene
Concen: 2.156 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013311.D
Acq: 26 Sep 2019 18:18

Tgt Ion:112 Resp: 34349
Ion Ratio Lower Upper
112 100
77 53.8 46.5 69.7
114 33.5 23.0 42.8





#53

Ethylbenzene

Concen: 2.044 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

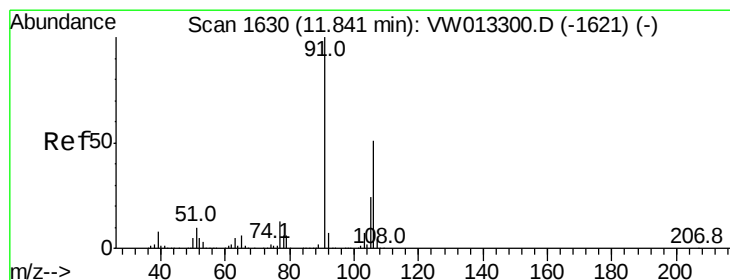
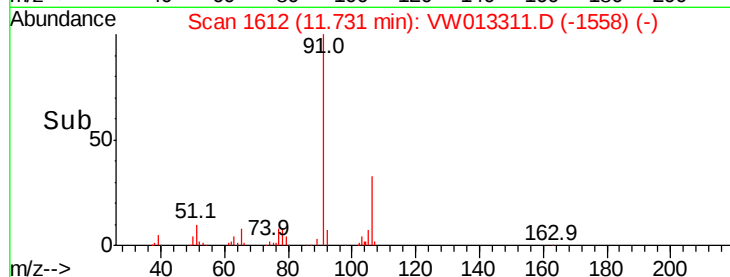
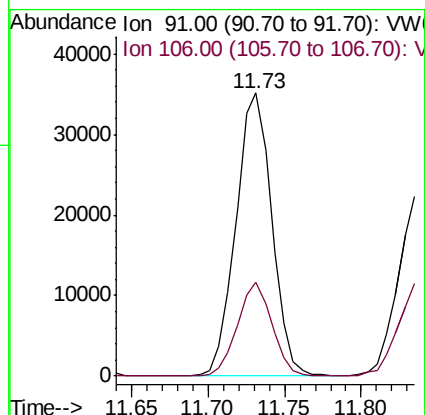
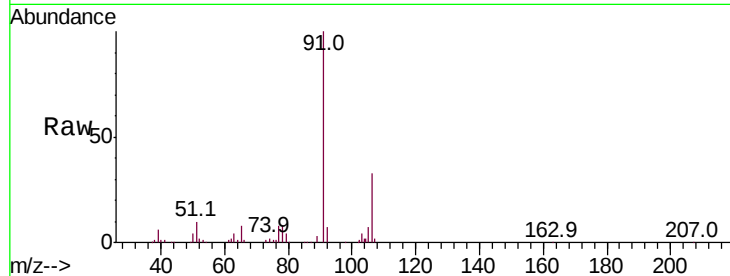
MDL07

Tot Ion: 91 Resp: 57304

Ion Ratio Lower Upper

91 100

106 33.0 20.8 38.6



#54

m,p-Xylene

Concen: 1.992 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013311.D

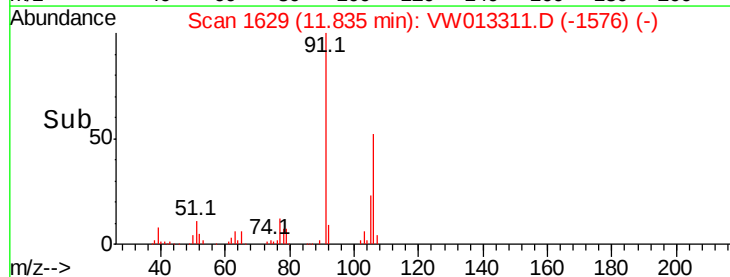
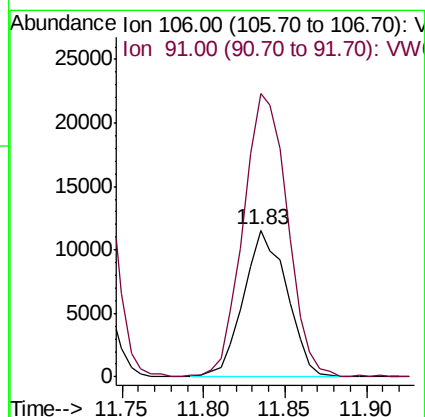
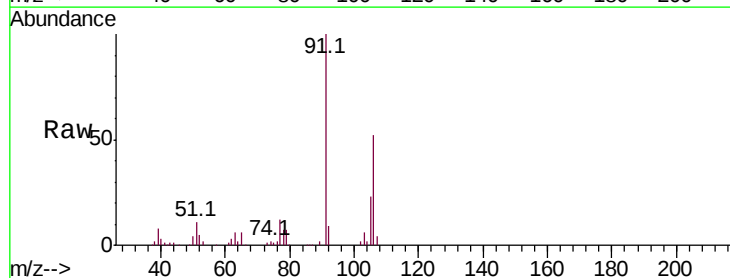
Acq: 26 Sep 2019 18:18

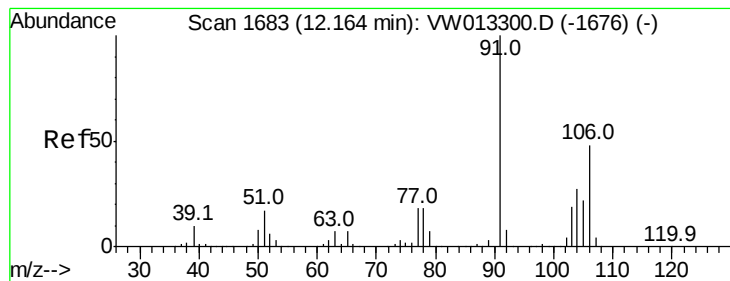
Tgt Ion:106 Resp: 21434

Ion Ratio Lower Upper

106 100

91 193.0 138.3 256.9





#55

o-xylene

Concen: 1.919 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampled :

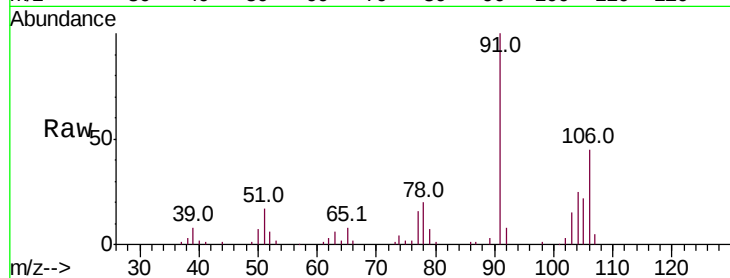
MDL07

Tot Ion:106 Resp: 19485

Ion Ratio Lower Upper

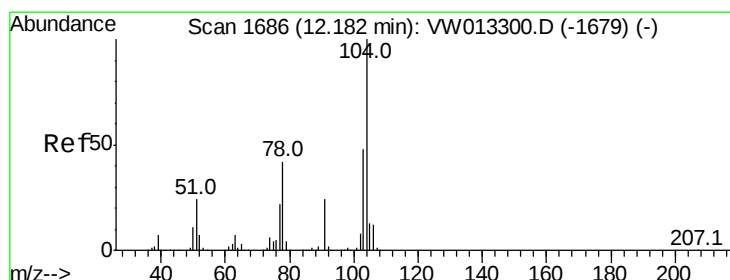
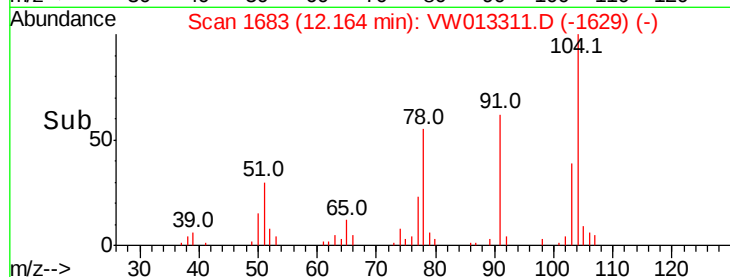
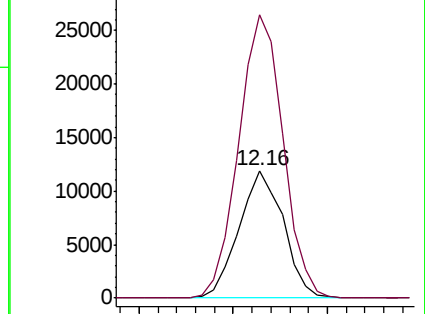
106 100

91 221.8 145.9 271.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 1.967 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW013311.D

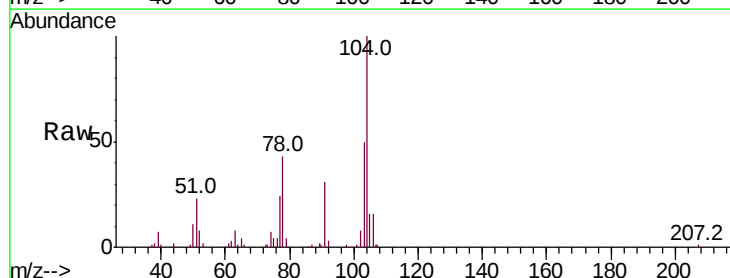
Acq: 26 Sep 2019 18:18

Tgt Ion:104 Resp: 34255

Ion Ratio Lower Upper

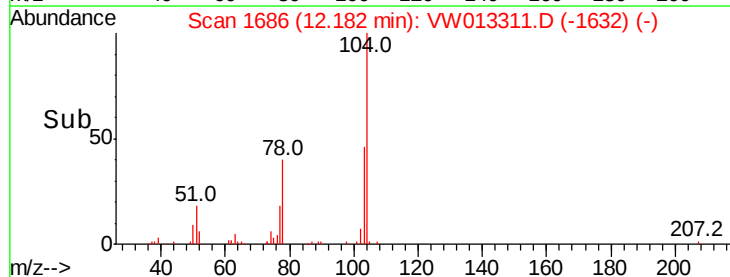
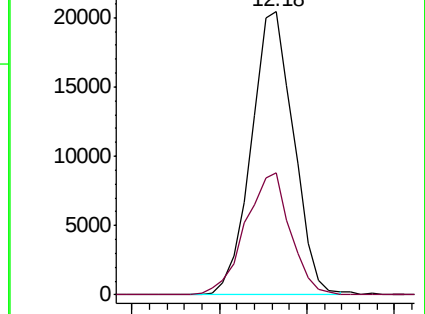
104 100

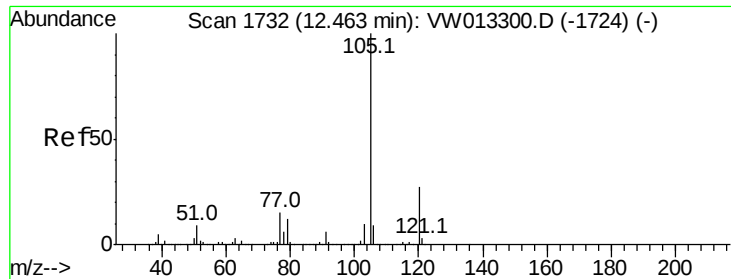
78 43.1 29.8 55.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 1.912 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

MDL07

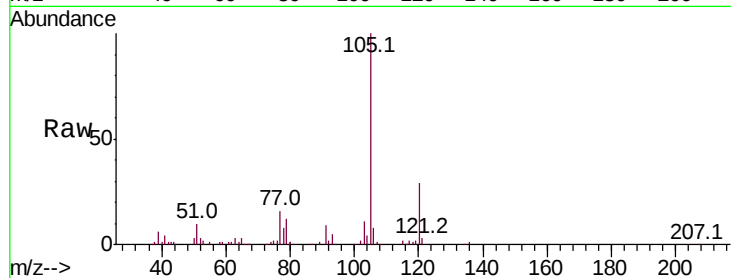
Tot Ion:105 Resp: 52514

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

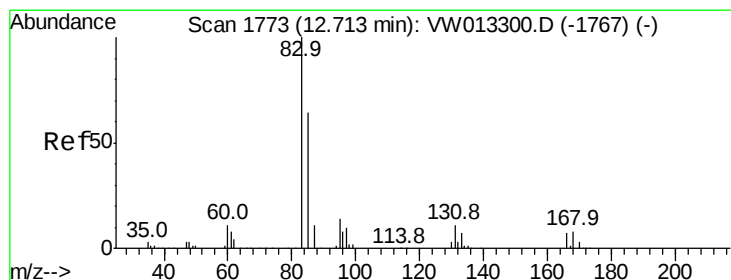
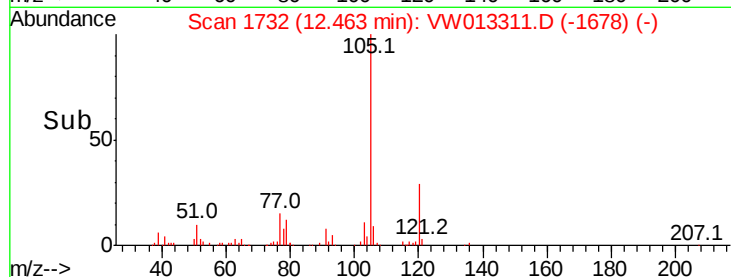
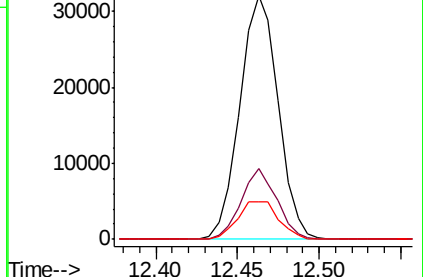
77 16.8 11.8 17.6



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: 2.275 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

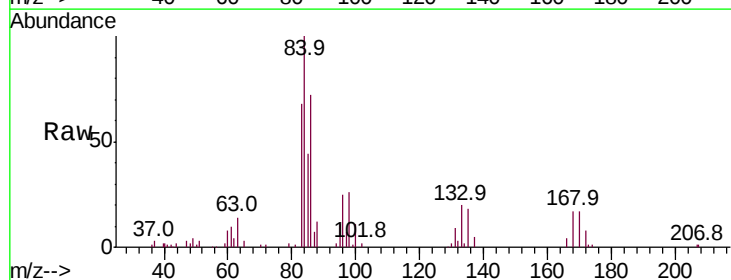
Tgt Ion: 83 Resp: 12550

Ion Ratio Lower Upper

83 100

85 64.4 45.2 84.0

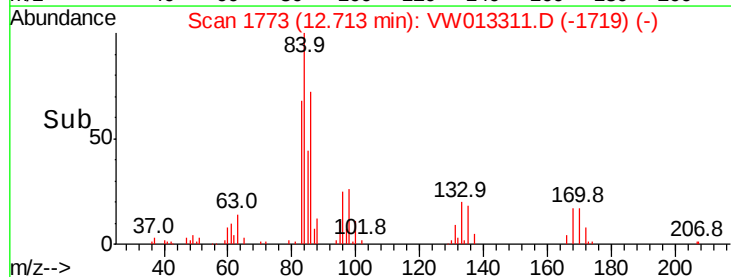
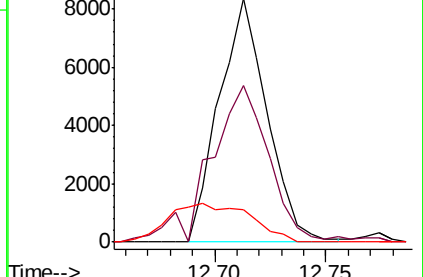
131 13.1 8.9 13.3

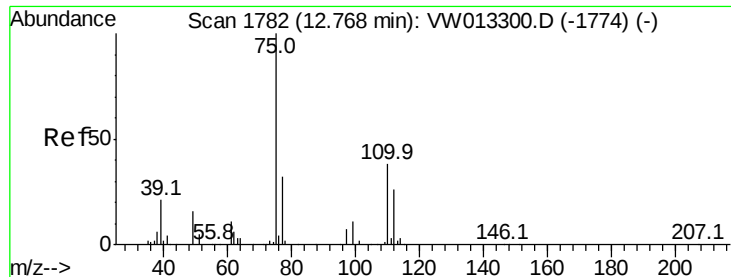


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.217 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

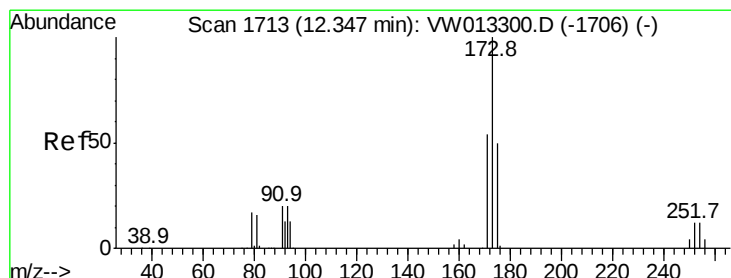
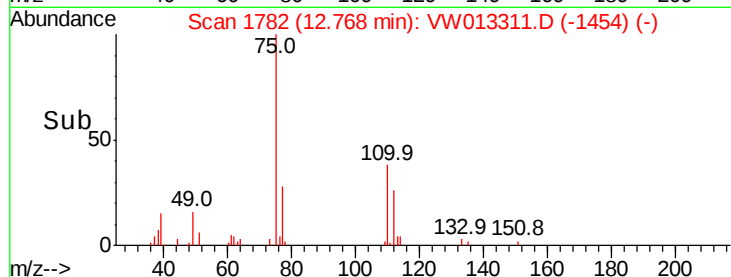
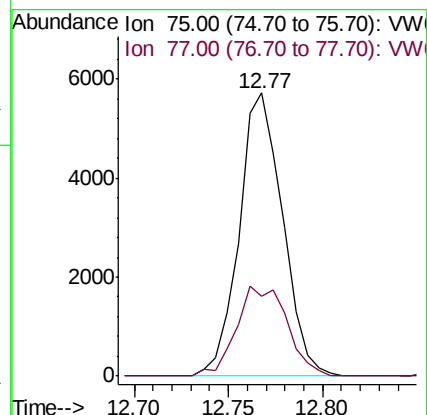
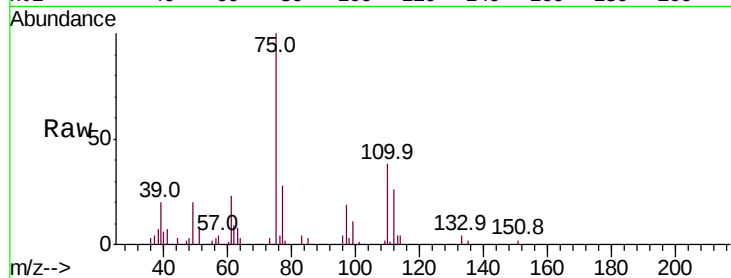
MDL07

Tot Ion: 75 Resp: 9124

Ion Ratio Lower Upper

75 100

77 37.0 25.8 38.8



#62

Bromoform

Concen: 2.150 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

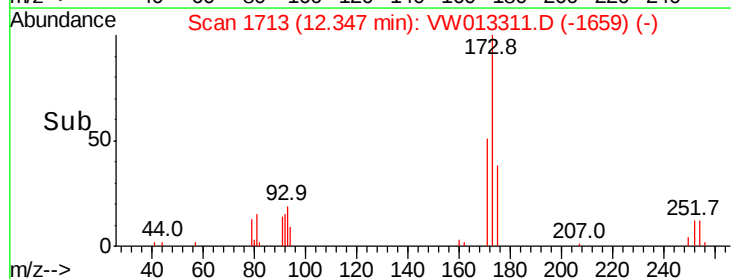
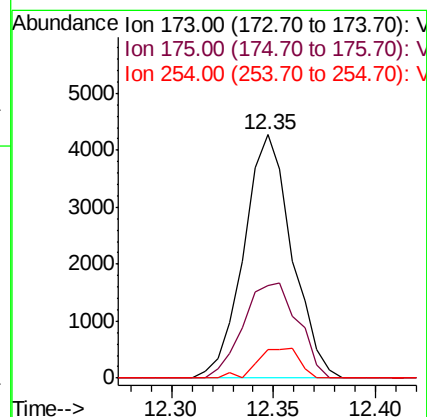
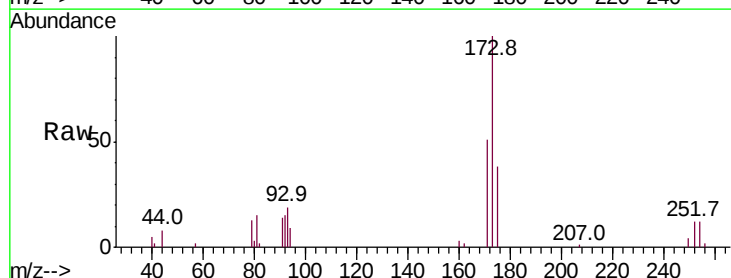
Tgt Ion: 173 Resp: 7014

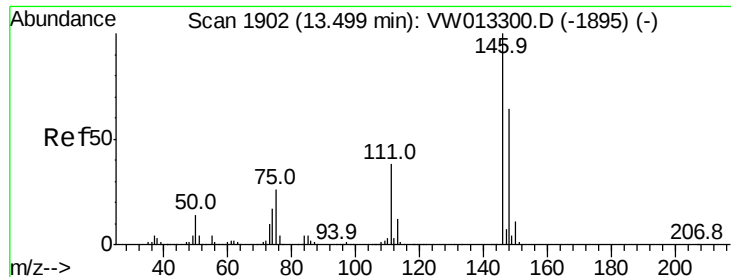
Ion Ratio Lower Upper

173 100

175 44.2 39.3 58.9

254 10.1 9.1 13.7

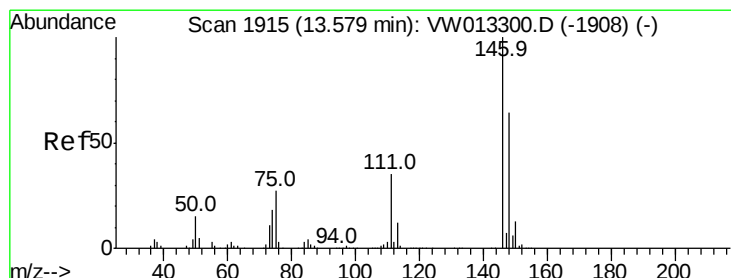
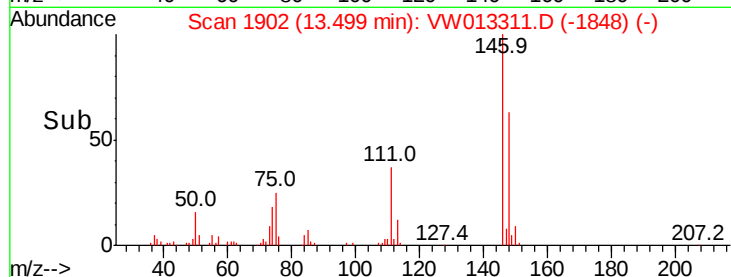
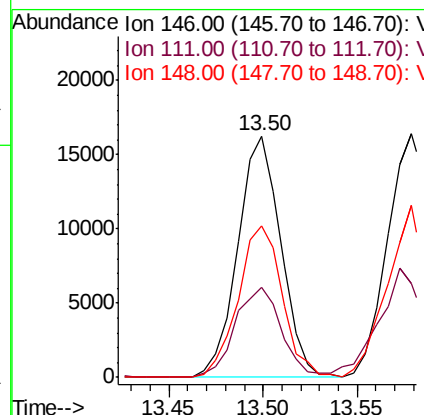
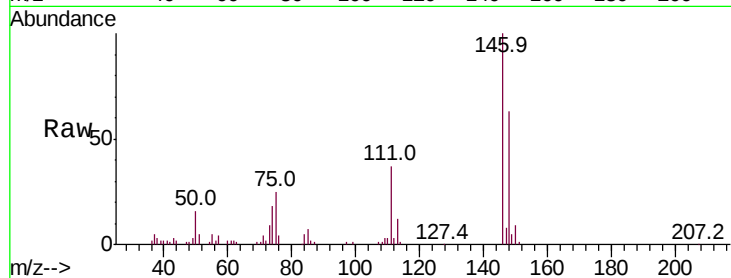




#63
 1,3-Dichlorobenzene
 Concen: 2.029 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013311.D
 Acq: 26 Sep 2019 18:18

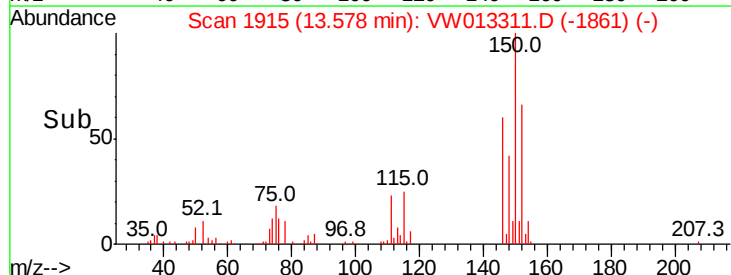
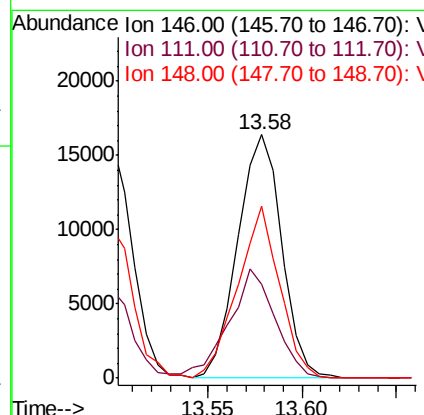
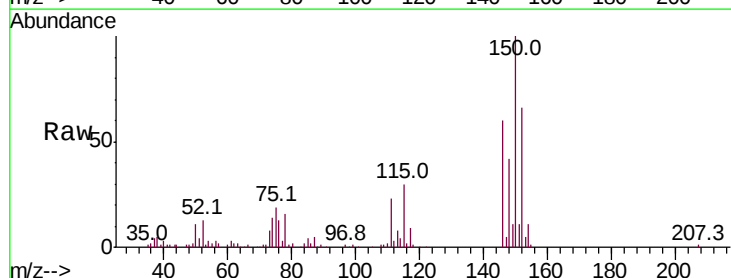
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

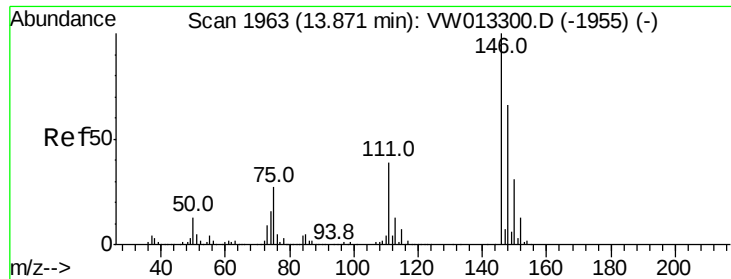
Tot Ion:146 Resp: 25738
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.7 49.5
 148 62.7 45.0 83.6



#64
 1,4-Dichlorobenzene
 Concen: 2.075 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013311.D
 Acq: 26 Sep 2019 18:18

Tgt Ion:146 Resp: 26595
 Ion Ratio Lower Upper
 146 100
 111 38.6 24.2 45.0
 148 70.6 45.1 83.7





#65

1,2-Dichlorobenzene

Concen: 2.166 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

MDL07

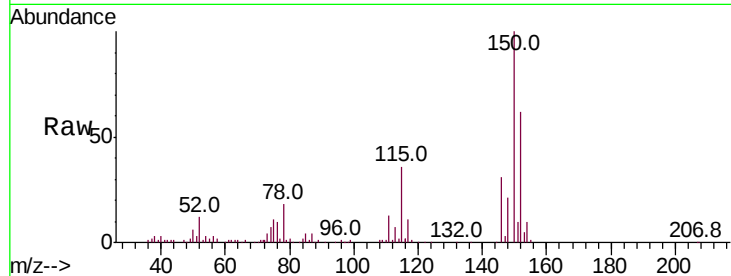
Tot Ion:146 Resp: 25001

Ion Ratio Lower Upper

146 100

111 40.8 30.8 46.2

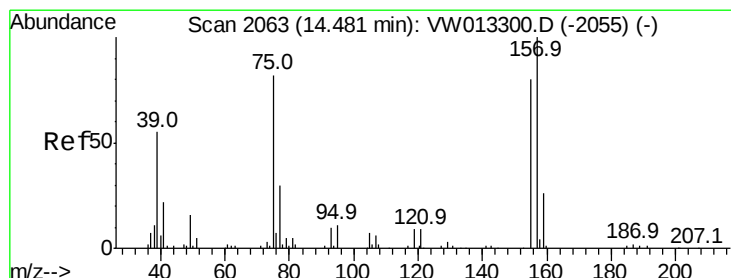
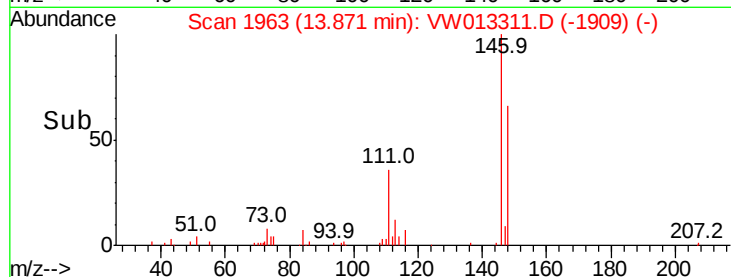
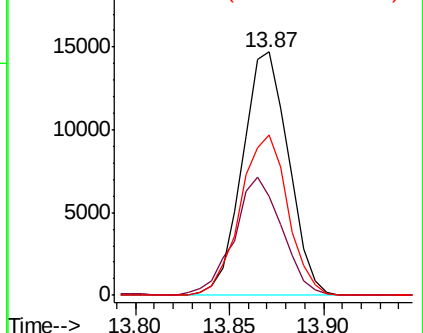
148 65.7 52.5 78.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 2.186 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

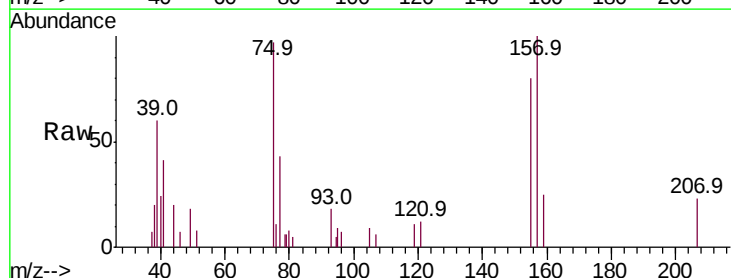
Tgt Ion: 75 Resp: 1987

Ion Ratio Lower Upper

75 100

157 102.8 97.8 146.8

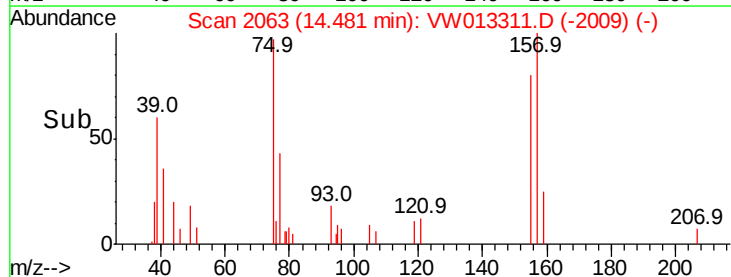
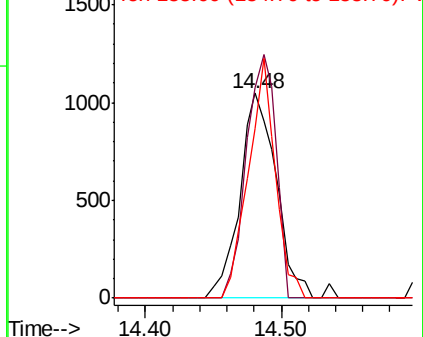
155 82.4 78.4 117.6

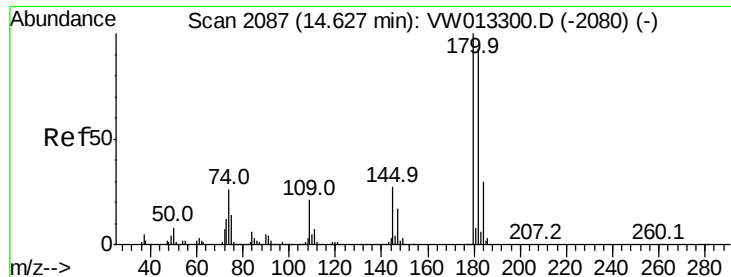


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

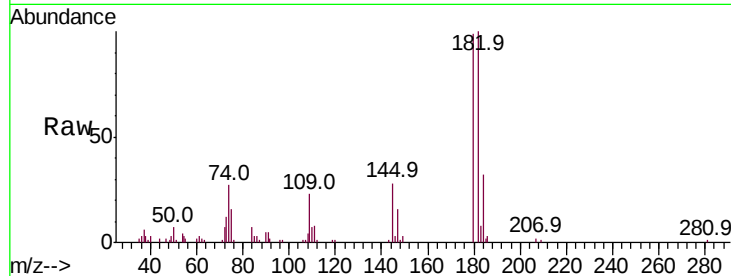




#67
 1,3,5-Trichlorobenzene
 Concen: 1.979 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013311.D
 Acq: 26 Sep 2019 18:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.4	114.6
184	29.6	23.9	35.9
145	28.1	21.7	32.5



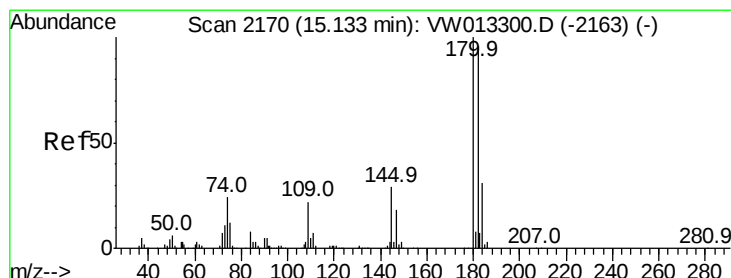
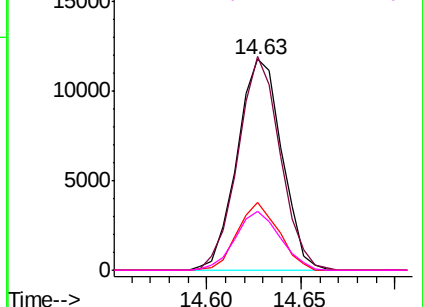
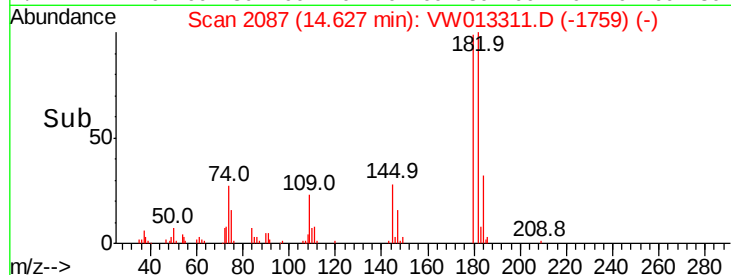
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

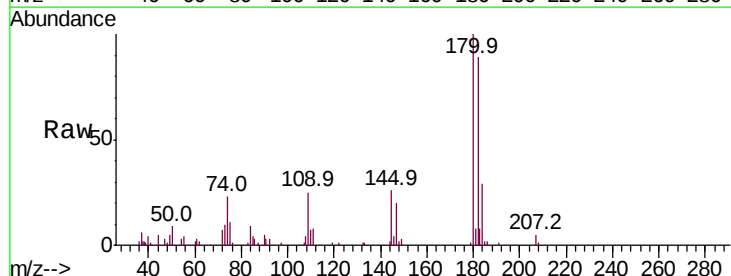
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 1.843 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013311.D
 Acq: 26 Sep 2019 18:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.9	113.9
145	27.7	23.0	34.4

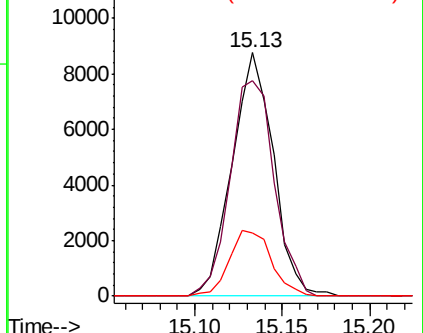
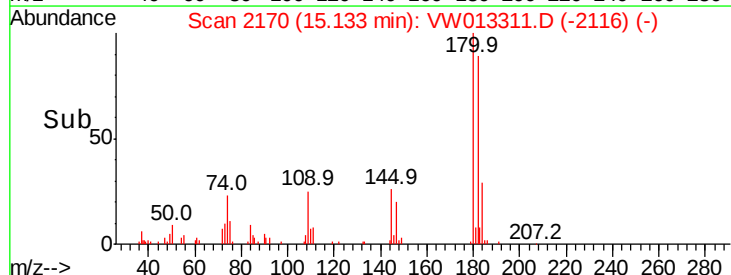


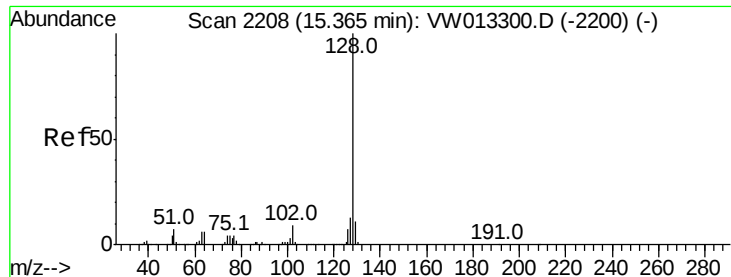
Abundance

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: 1.591 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

MDL07

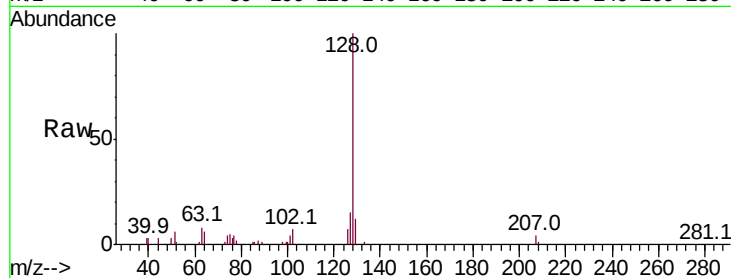
Tot Ion:128 Resp: 23695

Ion Ratio Lower Upper

128 100

129 12.2 8.7 13.1

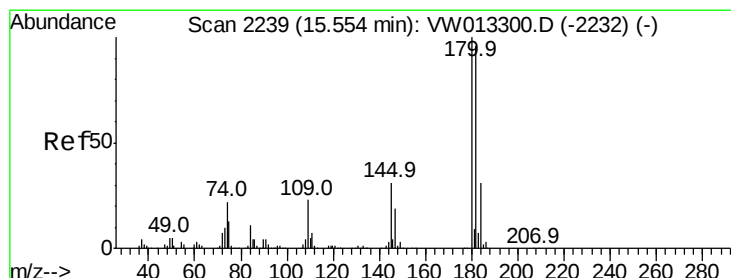
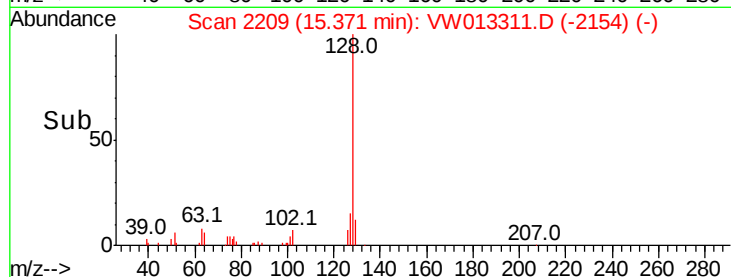
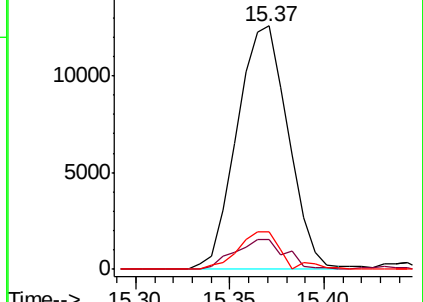
127 12.0 10.6 15.8



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: 1.794 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013311.D

Acq: 26 Sep 2019 18:18

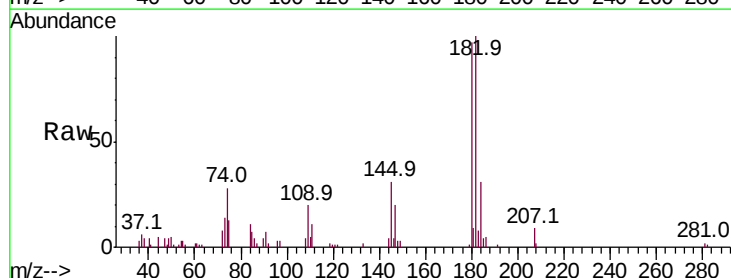
Tgt Ion:180 Resp: 12725

Ion Ratio Lower Upper

180 100

182 100.3 78.2 117.4

145 32.7 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

