

Data File : VW014138.D
Acq On : 26 Nov 2019 16:42
Operator : SY/VA
Sample : K6063-03
Misc : 5.62G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0BM9

Quant Time: Nov 27 07:08:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 27 06:15:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	130102	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	44919	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	4443	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	51642	24.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.52%
7) Chloroethane-d5	2.89	69	57618	34.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	136.96%
10) 1,1-Dichloroethene-d2	4.01	63	70401	16.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.12%
20) 2-Butanone-d5	7.07	46	58271	96.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	193.26%#
24) Chloroform-d	7.65	84	154014	38.50	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	154.00%#
26) 1,2-Dichloroethane-d4	8.30	65	58485	29.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	116.32%
29) Benzene-d6	8.27	84	266611	83.65	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	334.60%#
33) 1,2-Dichloropropane-d6	9.27	67	95388	102.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	408.68%#
37) Toluene-d8	10.32	98	120263	39.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	159.16%#
38) trans-1,3-Dichloropropene-	10.58	79	6742	16.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	67.44%
39) 2-Hexanone-d5	10.92	63	18879	106.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	213.28%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	59732	84.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	338.92%#
61) 1,2-Dichlorobenzene-d4	13.85	152	8969	50.24	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	200.96%#

Target Compounds

					Qvalue
13) Acetone	4.12	43	3961	6.455 ug/L	83
30) Cyclohexane	7.95	56	1487	1.034 ug/L	90
35) Trichloroethene	8.84	95	3709	4.220 ug/L #	2
36) Methylcyclohexane	9.34	83	3326	2.111 ug/L #	84
41) Bromodichloromethane	9.34	83	2425	2.529 ug/L #	25
42) cis-1,3-Dichloropropene	10.03	75	835	0.667 ug/L #	67
44) Toluene	10.38	91	2157	0.600 ug/L	98
53) Ethylbenzene	11.84	91	1282	0.325 ug/L	96
59) 1,2,3-Trichloropropane	13.56	75	566	1.106 ug/L	92
63) 1,3-Dichlorobenzene	13.49	146	256	0.821 ug/L #	25
64) 1,4-Dichlorobenzene	13.57	146	386	1.252 ug/L	90
65) 1,2-Dichlorobenzene	13.87	146	1311	4.746 ug/L	90
67) 1,3,5-Trichlorobenzene	15.13	180	6612	27.811 ug/L	95
68) 1,2,4-trichlorobenzene	15.13	180	6612	35.369 ug/L	96
69) Naphthalene	15.37	128	167	0.503 ug/L #	69
70) 1,2,3-Trichlorobenzene	15.55	180	4740	28.730 ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112619\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
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Response via : Initial Calibration

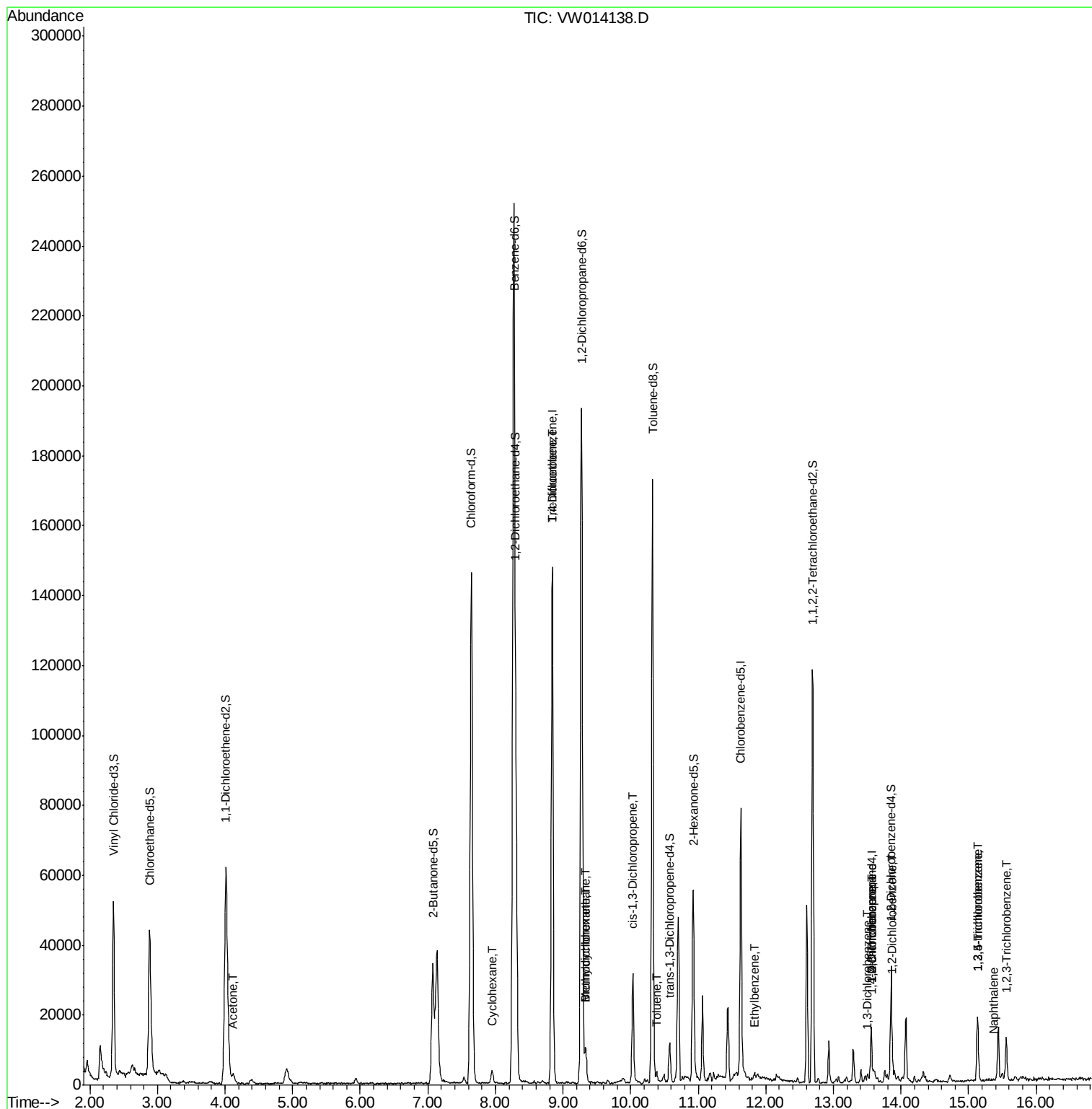
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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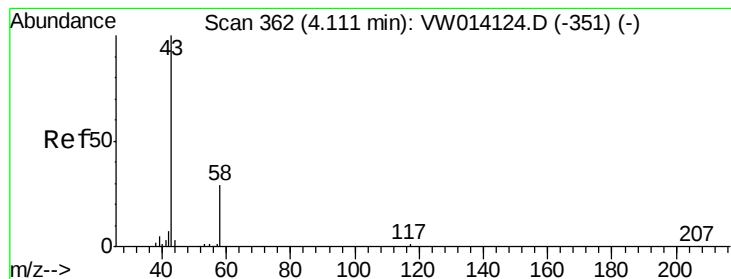
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#13

Acetone

Concen: 6.455 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014138.D

Acq: 26 Nov 2019 16:42

Instrument :

MSVOA_W

ClientSampled :

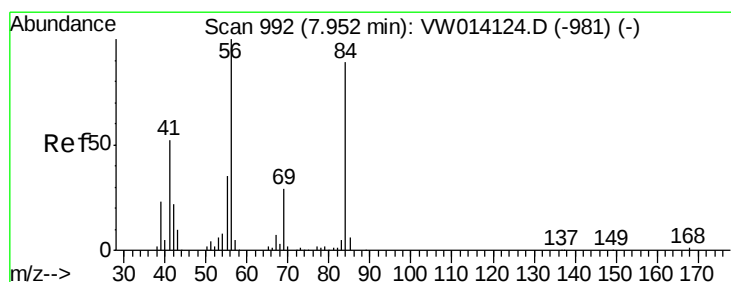
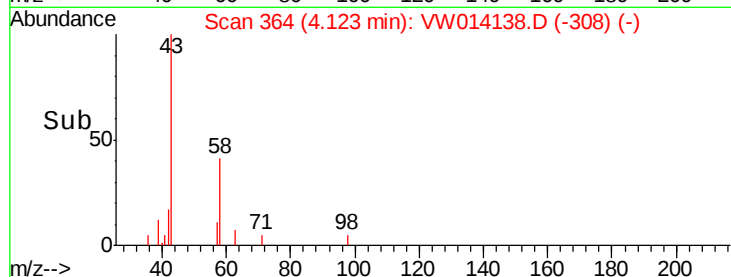
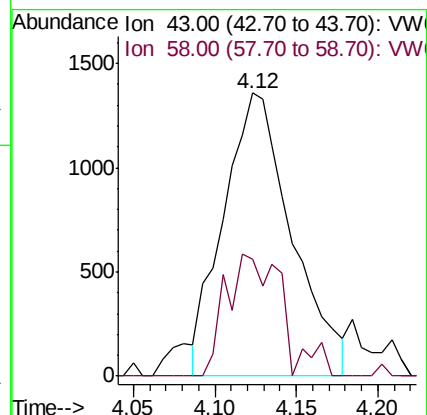
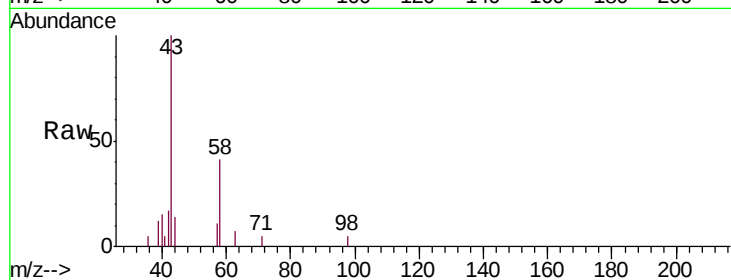
C0BM9

Tgt Ion: 43 Resp: 3961

Ion Ratio Lower Upper

43 100

58 23.0 0.0 65.4



#30

Cyclohexane

Concen: 1.034 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014138.D

Acq: 26 Nov 2019 16:42

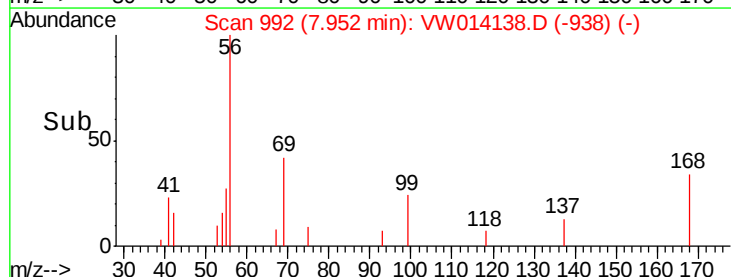
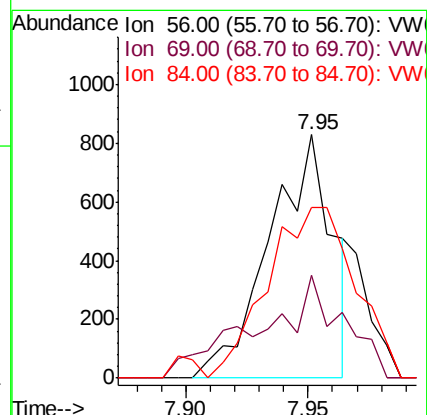
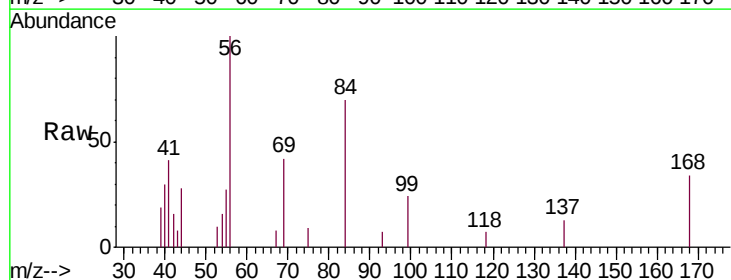
Tgt Ion: 56 Resp: 1487

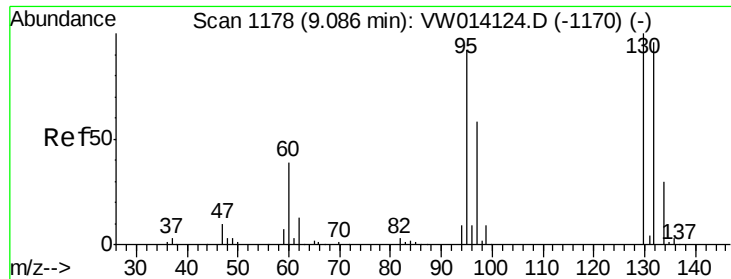
Ion Ratio Lower Upper

56 100

69 25.2 24.6 37.0

84 97.4 70.2 105.2





#35

Trichloroethene

Concen: 4.220 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.24 min

Lab File: VW014138.D

Acq: 26 Nov 2019 16:42

Instrument :

MSVOA_W

ClientSampleId :

C0BM9

Tgt Ion: 95 Resp: 3709

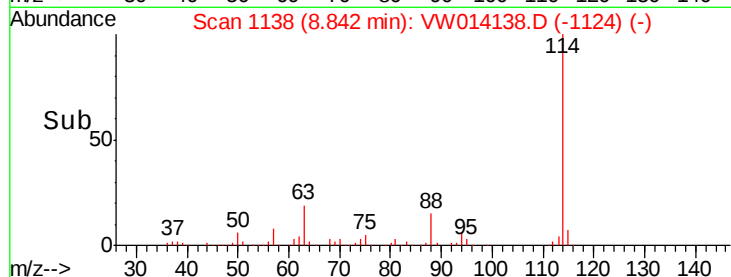
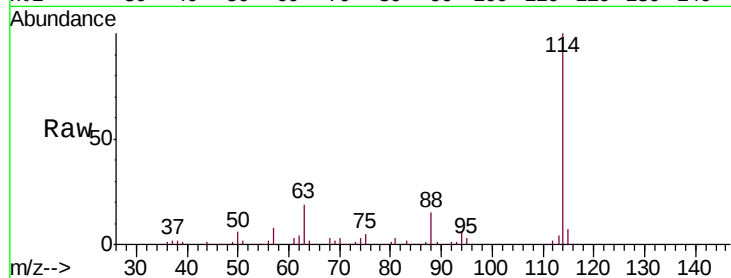
Ion Ratio Lower Upper

95 100

97 0.0 45.1 83.9#

132 0.0 73.7 136.9#

130 0.0 76.6 142.2#

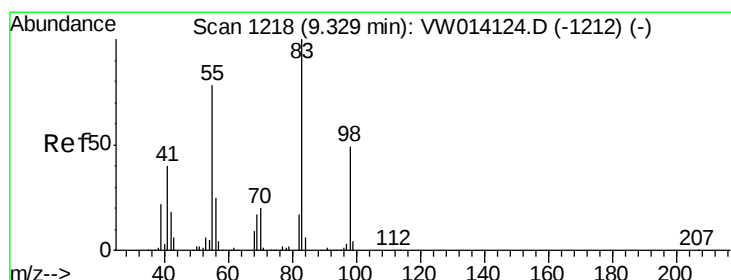
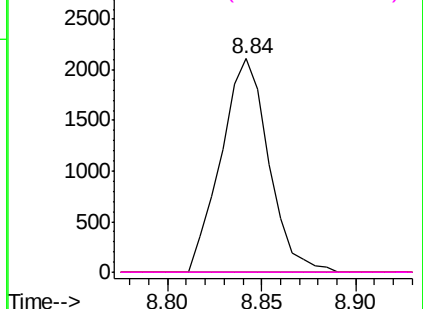


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 2.111 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VW014138.D

Acq: 26 Nov 2019 16:42

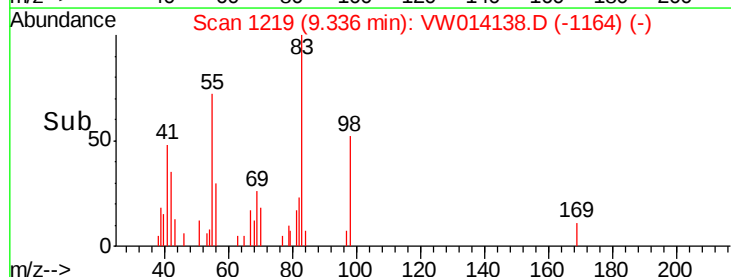
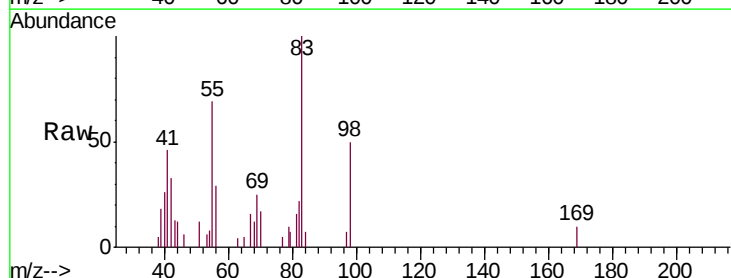
Tgt Ion: 83 Resp: 3326

Ion Ratio Lower Upper

83 100

55 87.6 59.8 89.8

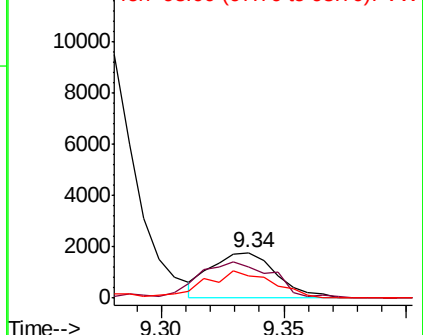
98 61.9 39.5 59.3#

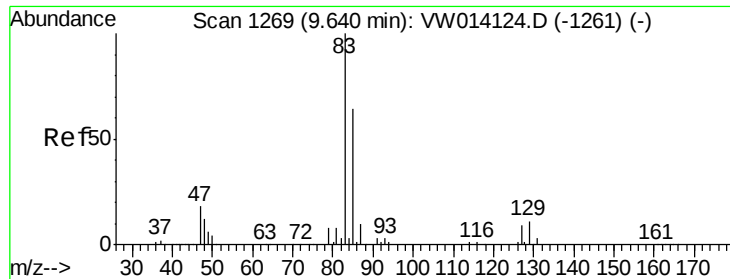


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#41

Bromodichloromethane

Concen: 2.529 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.30 min

Lab File: VW014138.D

Acq: 26 Nov 2019 16:42

Instrument :

MSVOA_W

ClientSampleId :

C0BM9

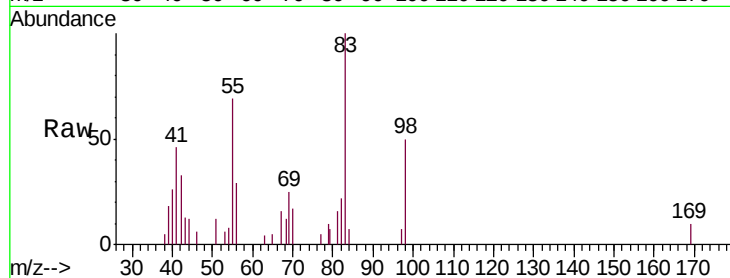
Tgt Ion: 83 Resp: 2425

Ion Ratio Lower Upper

83 100

85 0.0 45.1 83.7#

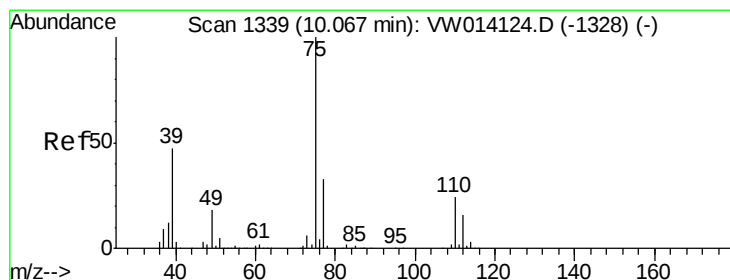
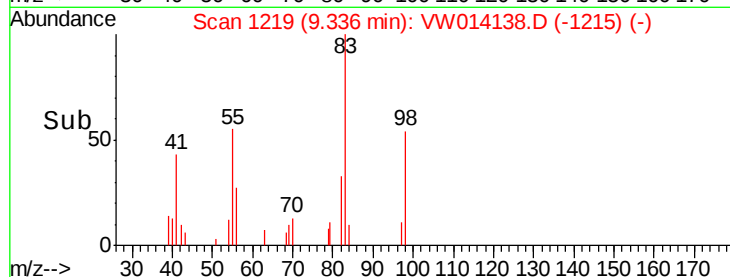
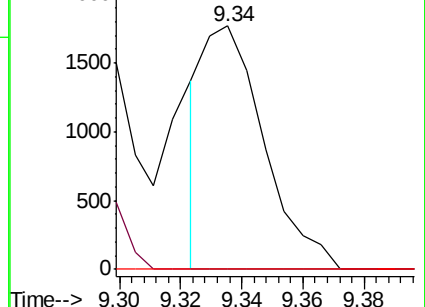
127 0.0 7.4 11.0#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.667 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW014138.D

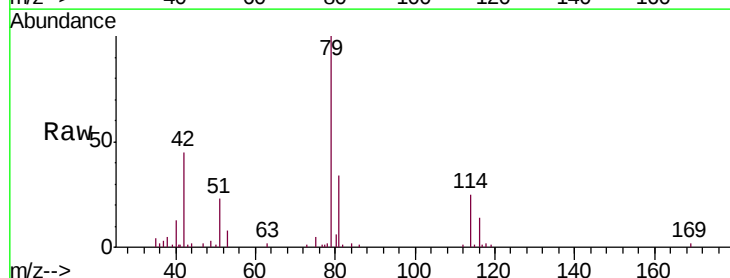
Acq: 26 Nov 2019 16:42

Tgt Ion: 75 Resp: 835

Ion Ratio Lower Upper

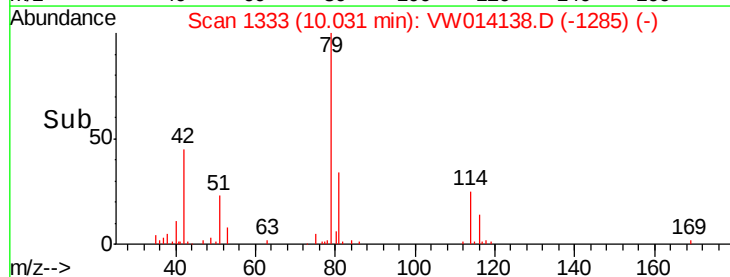
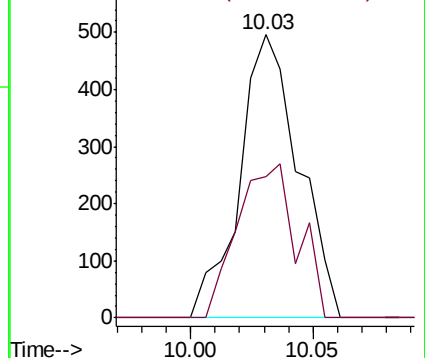
75 100

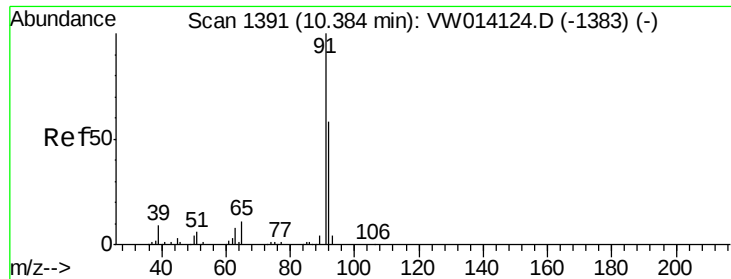
77 50.0 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 0.600 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014138.D

Acq: 26 Nov 2019 16:42

Instrument :

MSVOA_W

ClientSampled :

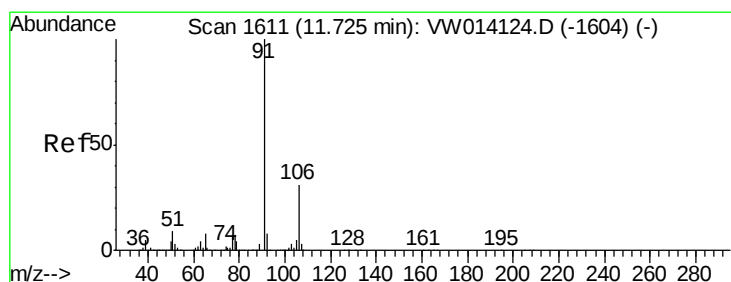
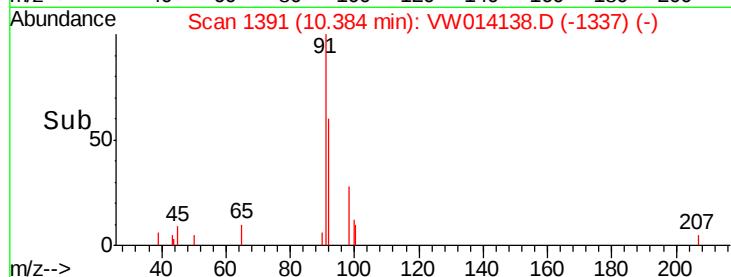
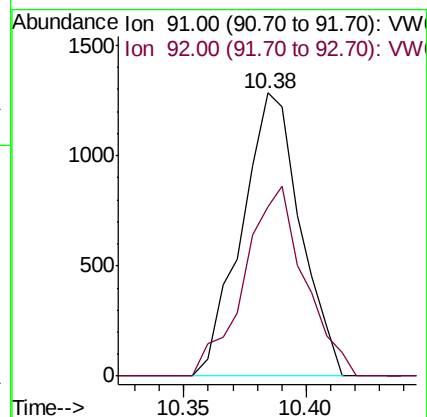
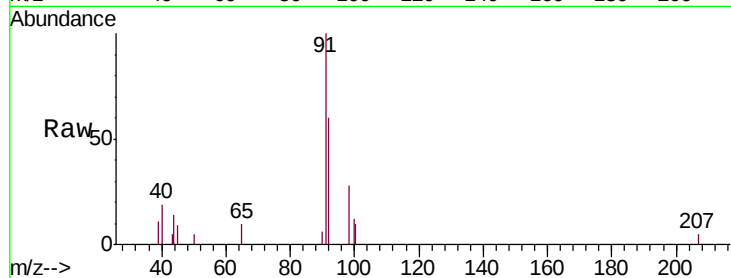
C0BM9

Tgt Ion: 91 Resp: 2157

Ion Ratio Lower Upper

91 100

92 59.7 40.7 75.7



#53

Ethylbenzene

Concen: 0.325 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.11 min

Lab File: VW014138.D

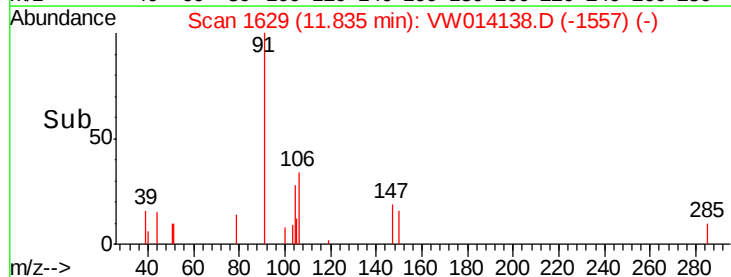
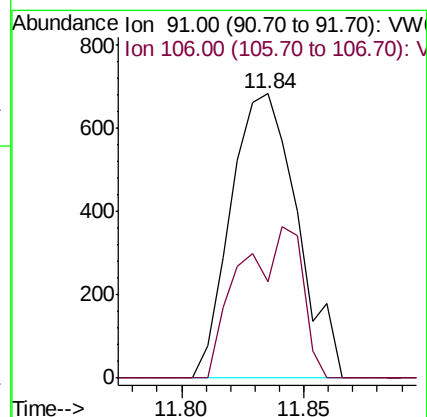
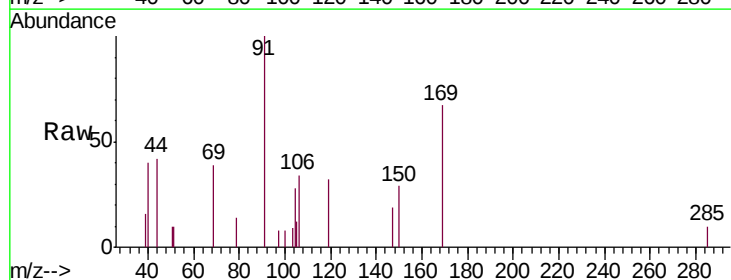
Acq: 26 Nov 2019 16:42

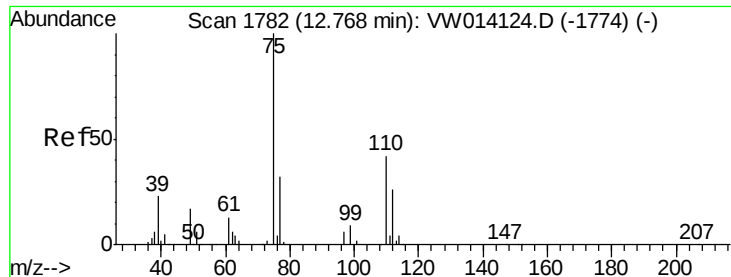
Tgt Ion: 91 Resp: 1282

Ion Ratio Lower Upper

91 100

106 33.9 22.3 41.5





#59

1,2,3-Trichloropropane

Concen: 1.106 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW014138.D

Acq: 26 Nov 2019 16:42

Instrument :

MSVOA_W

ClientSampled :

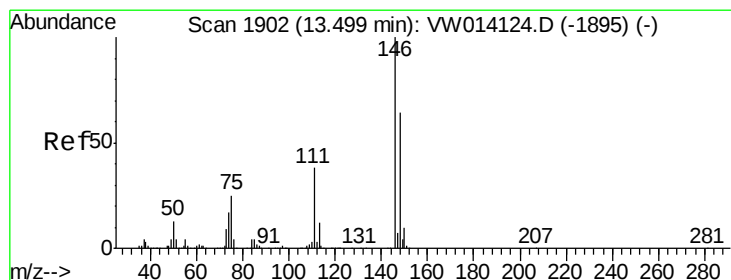
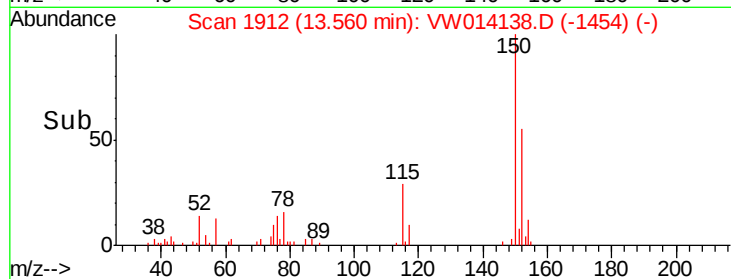
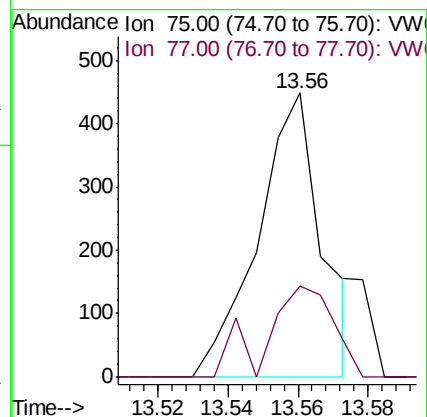
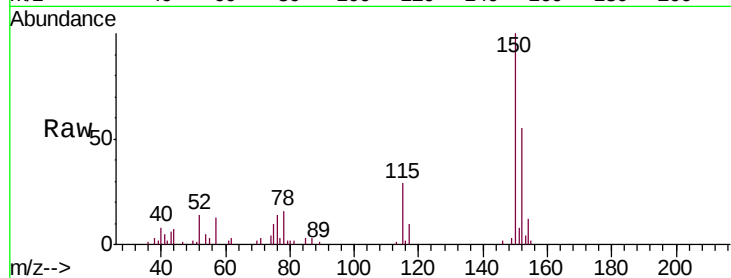
C0BM9

Tgt Ion: 75 Resp: 566

Ion Ratio Lower Upper

75 100

77 27.9 25.9 38.9



#63

1,3-Dichlorobenzene

Concen: 0.821 ug/L

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW014138.D

Acq: 26 Nov 2019 16:42

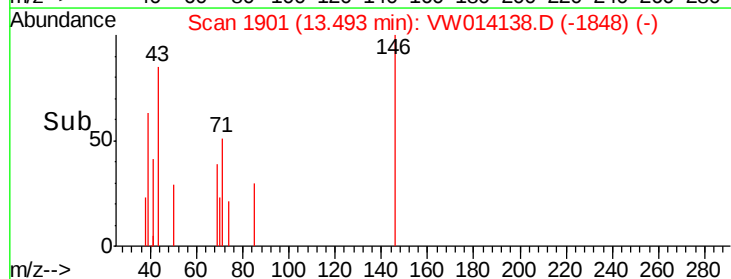
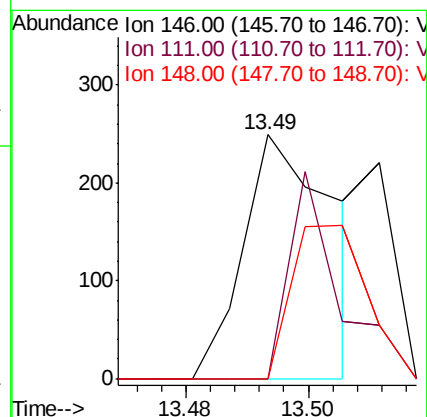
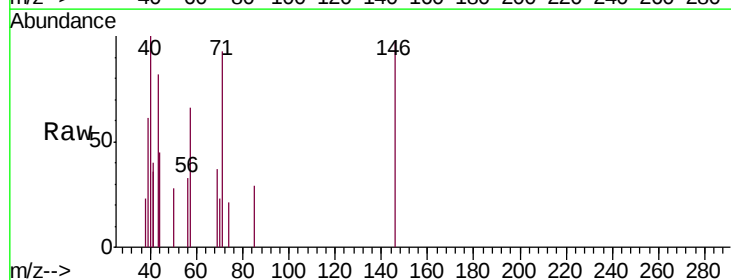
Tgt Ion: 146 Resp: 256

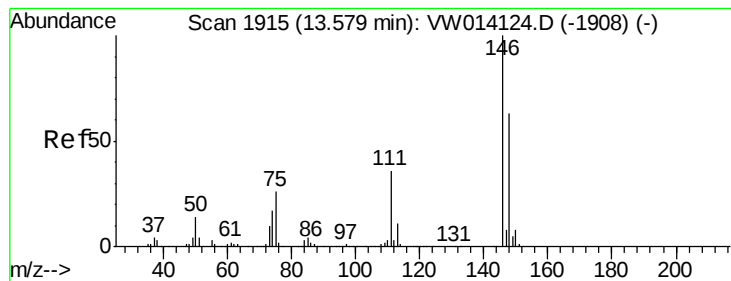
Ion Ratio Lower Upper

146 100

111 0.0 26.0 48.2#

148 0.0 44.7 82.9#





#64

1,4-Dichlorobenzene

Concen: 1.252 ug/L

RT: 13.57 min Scan# 1914

Delta R.T. -0.01 min

Lab File: VW014138.D

Acq: 26 Nov 2019 16:42

Instrument :

MSVOA_W

ClientSampleId :

C0BM9

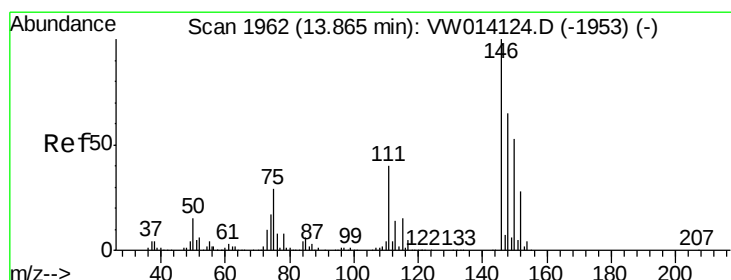
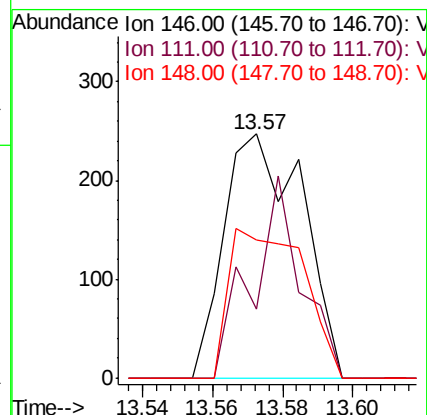
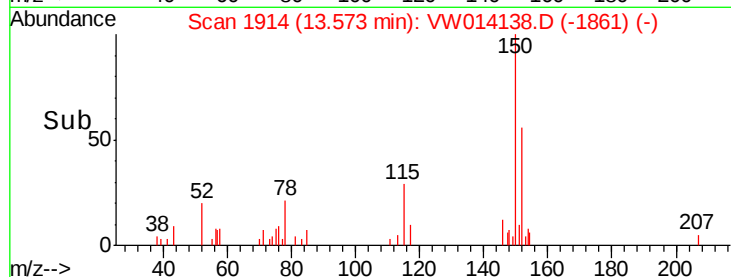
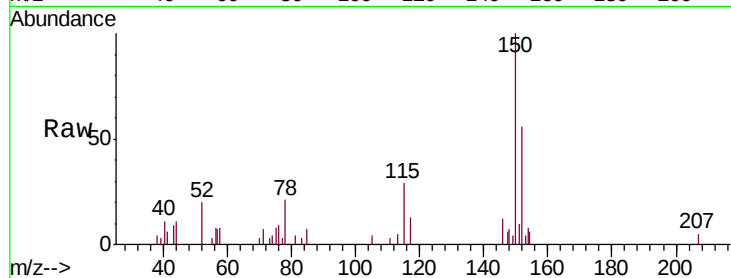
Tgt Ion:146 Resp: 386

Ion Ratio Lower Upper

146 100

111 27.9 24.9 46.3

148 56.7 43.9 81.5



#65

1,2-Dichlorobenzene

Concen: 4.746 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW014138.D

Acq: 26 Nov 2019 16:42

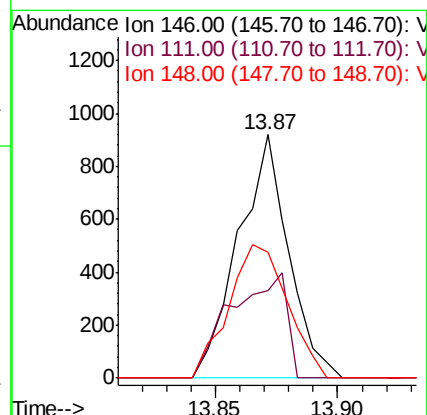
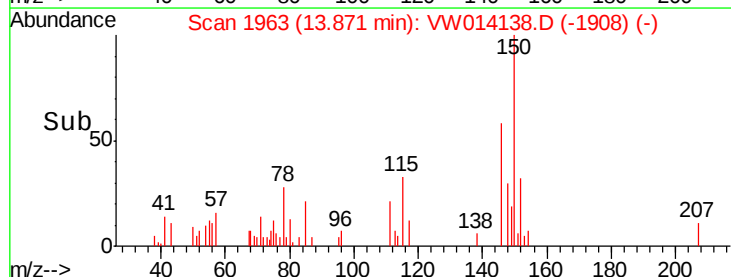
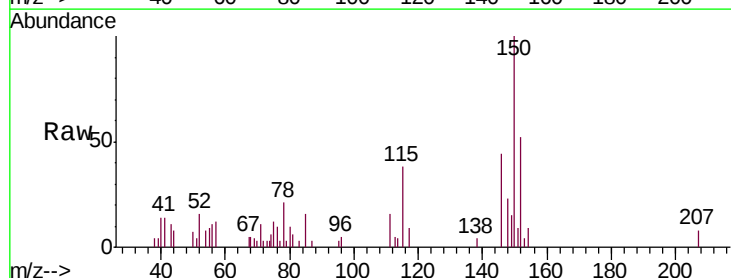
Tgt Ion:146 Resp: 1311

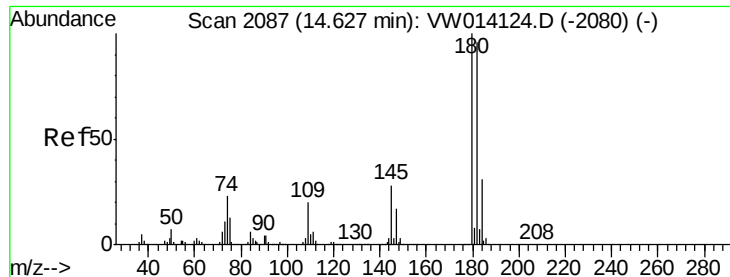
Ion Ratio Lower Upper

146 100

111 35.7 30.5 45.7

148 51.6 49.4 74.2

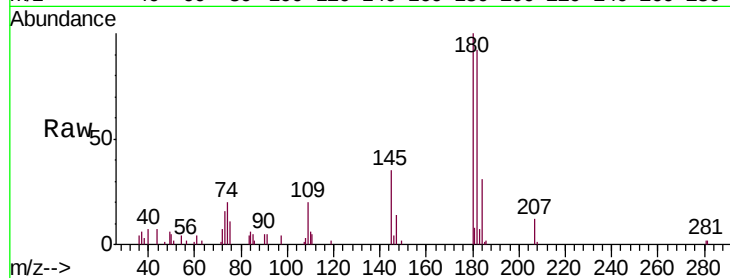




#67
 1,3,5-Trichlorobenzene
 Concen: 27.811 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.51 min
 Lab File: VW014138.D
 Acq: 26 Nov 2019 16:42

Instrument :
 MSVOA_W
 ClientSampleId :
 C0BM9

Tgt Ion:	180	Resp:	6612
Ion	Ratio	Lower	Upper
180	100		
182	89.7	76.2	114.2
184	33.4	24.3	36.5
145	29.0	21.9	32.9



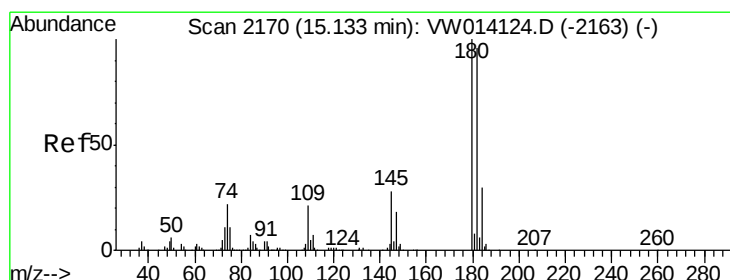
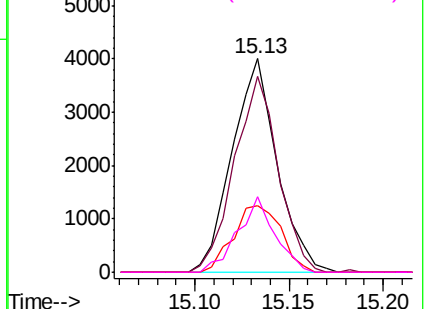
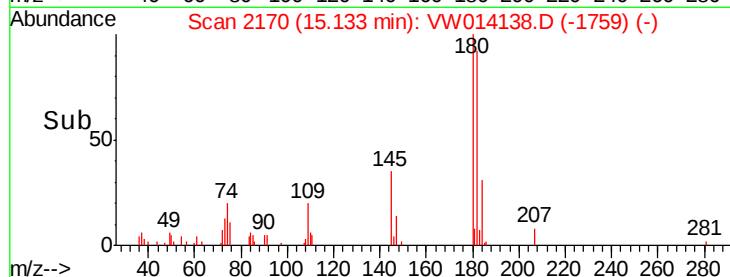
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

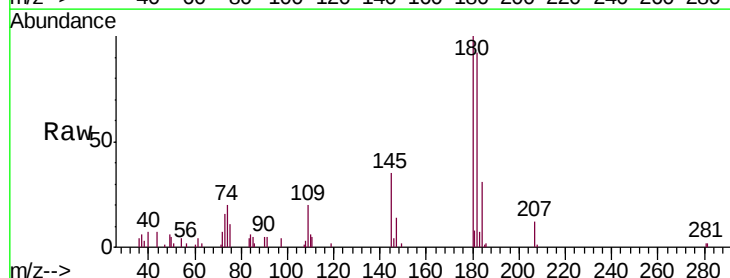
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 35.369 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014138.D
 Acq: 26 Nov 2019 16:42

Tgt Ion:	180	Resp:	6612
Ion	Ratio	Lower	Upper
180	100		
182	89.7	75.8	113.8
145	29.0	22.4	33.6

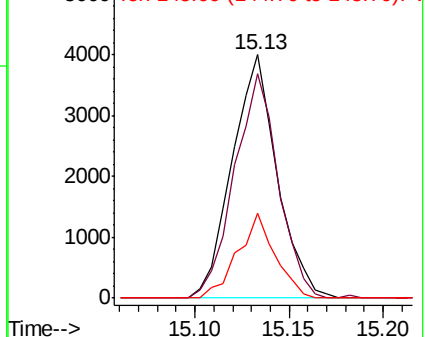
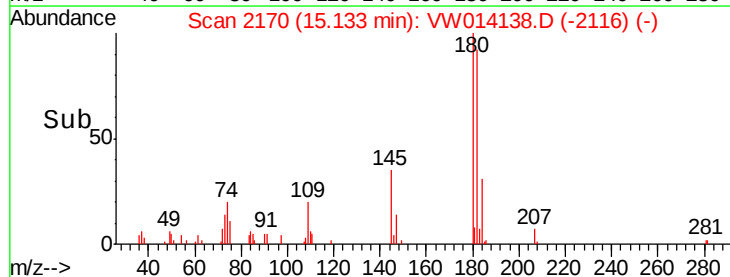


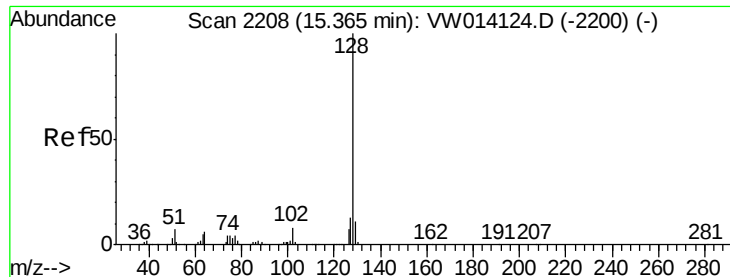
Abundance

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: 0.503 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW014138.D

Acq: 26 Nov 2019 16:42

Instrument :

MSVOA_W

ClientSampleId :

C0BM9

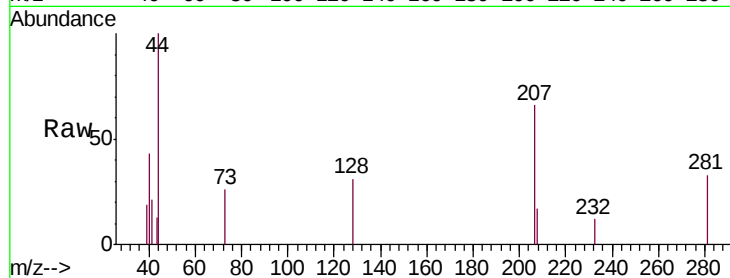
Tgt Ion:128 Resp: 167

Ion Ratio Lower Upper

128 100

129 0.0 8.8 13.2#

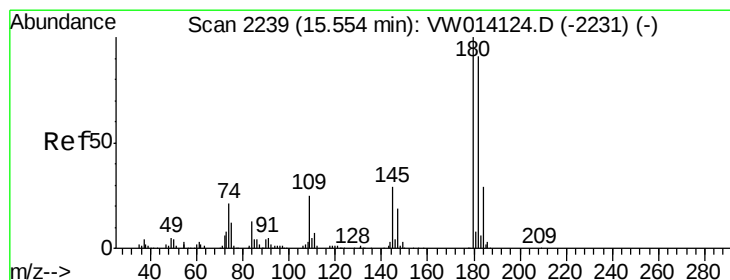
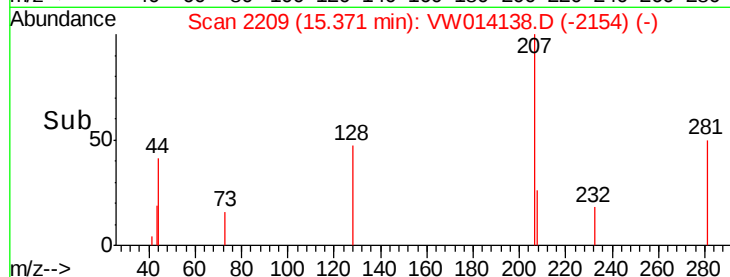
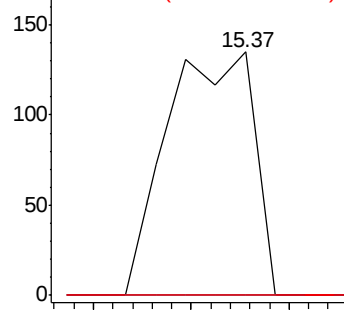
127 0.0 10.4 15.6#



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: 28.730 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014138.D

Acq: 26 Nov 2019 16:42

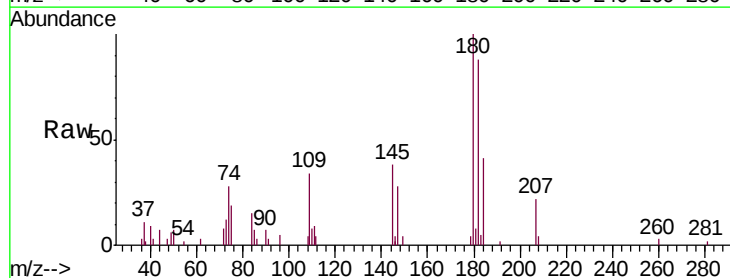
Tgt Ion:180 Resp: 4740

Ion Ratio Lower Upper

180 100

182 103.0 75.8 113.6

145 31.6 24.0 36.0



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

