

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092619\
 Data File : VW013307.D
 Acq On : 26 Sep 2019 15:18
 Operator : SY/VA
 Sample : MDL 2 PPB
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL03

Quant Time: Sep 26 19:09:43 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	401939	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	348483	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	171222	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	129990	27.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.48%
7) Chloroethane-d5	2.88	69	97438	25.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.32%
10) 1,1-Dichloroethene-d2	4.01	63	192320	20.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.52%
20) 2-Butanone-d5	7.07	46	106793	64.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.94%
24) Chloroform-d	7.65	84	220470	24.33	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.32%
26) 1,2-Dichloroethane-d4	8.30	65	123592	25.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.96%
29) Benzene-d6	8.27	84	493695	26.09	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.36%
33) 1,2-Dichloropropane-d6	9.27	67	145305	25.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.08%
37) Toluene-d8	10.32	98	461096	25.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.52%
38) trans-1,3-Dichloropropene-	10.58	79	63795	25.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.72%
39) 2-Hexanone-d5	10.92	63	81273	65.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.76%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	135225	28.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	161097	26.34	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	2.21	50	7447	2.209	ug/L	93
5) Vinyl chloride	2.35	62	10283	2.206	ug/L #	47
6) Bromomethane	2.77	94	6180	2.085	ug/L	97
8) Chloroethane	2.92	64	6139	2.171	ug/L	89
9) Trichlorofluoromethane	3.25	101	4777	1.653	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	11202	2.454	ug/L #	63
12) 1,1-Dichloroethene	4.04	96	11843	2.556	ug/L #	1
13) Acetone	4.12	43	4565	3.311	ug/L	81
14) Carbon disulfide	4.38	76	26950	2.049	ug/L	98
15) Methyl Acetate	4.67	43	5364	2.016	ug/L #	81
16) Methylene chloride	4.92	84	19768	3.292	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	17155	2.141	ug/L #	89
18) trans-1,2-Dichloroethene	5.42	96	11292	2.279	ug/L	95
19) 1,1-Dichloroethane	6.21	63	18304	2.106	ug/L	97
21) 2-Butanone	7.18	43	10902	5.490	ug/L	85
22) cis-1,2-Dichloroethene	7.16	96	11316	2.096	ug/L	98
23) Bromochloromethane	7.51	128	4697	1.934	ug/L	85

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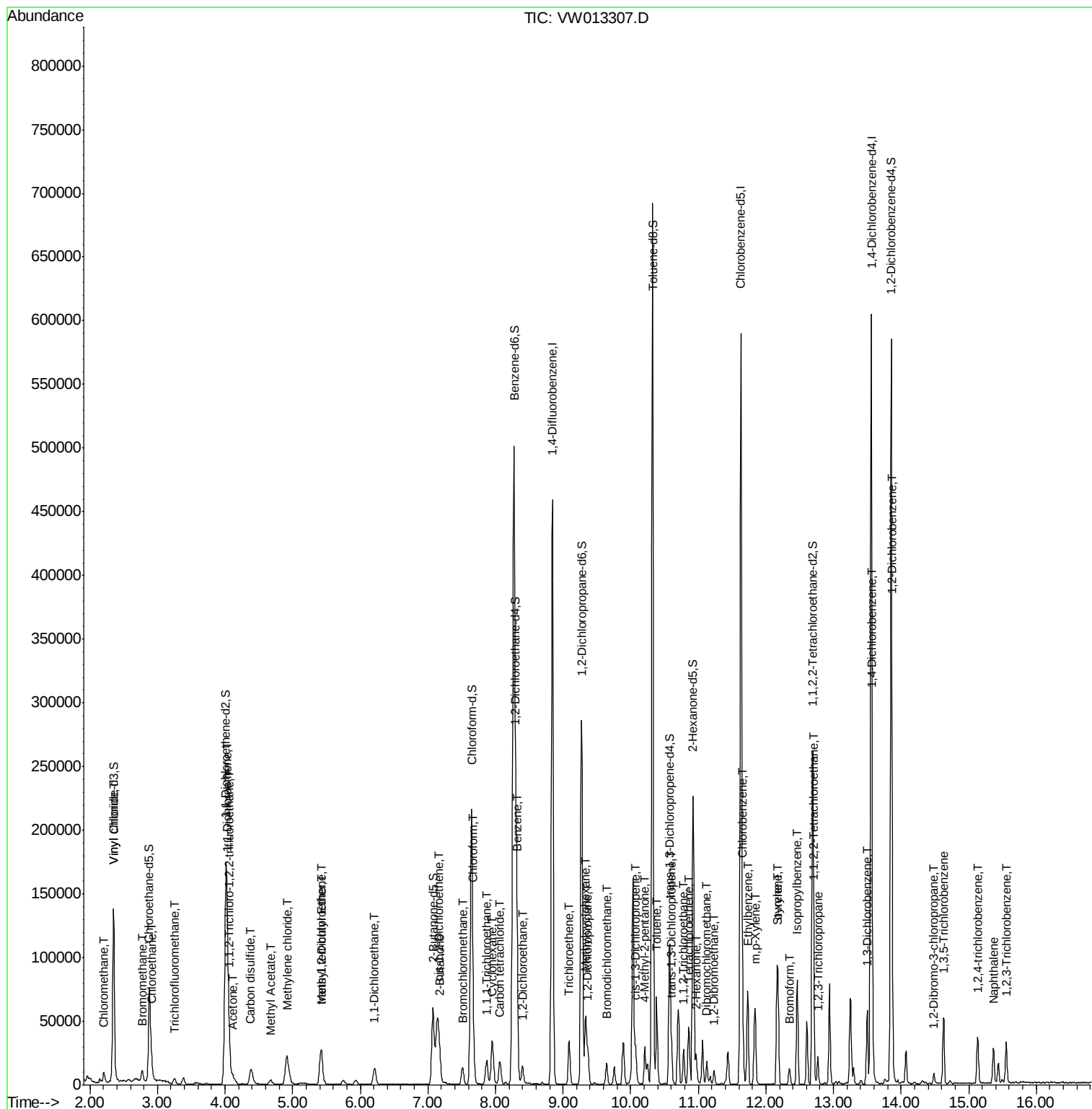
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.67	83	19660	2.302	ug/L	85
27) 1,2-Dichloroethane	8.40	62	12019	2.149	ug/L	99
30) Cyclohexane	7.95	56	19261	2.301	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	15004	2.243	ug/L	99
32) Carbon tetrachloride	8.06	117	14229	2.231	ug/L	97
34) Benzene	8.32	78	43287	2.216	ug/L	100
35) Trichloroethene	9.09	95	11605	2.261	ug/L	98
36) Methylcyclohexane	9.34	83	20084	2.197	ug/L	98
40) 1,2-Dichloropropane	9.37	63	10367	2.157	ug/L	99
41) Bromodichloromethane	9.65	83	11977	2.031	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	15989	2.083	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	21329	5.796	ug/L	99
44) Toluene	10.38	91	49127	2.310	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	15283	2.476	ug/L	93
46) 1,1,2-Trichloroethane	10.79	97	8792	2.335	ug/L	93
47) Tetrachloroethene	10.86	164	11118	2.407	ug/L	96
49) 2-Hexanone	10.97	43	14074	5.321	ug/L	97
50) Dibromochloromethane	11.13	129	9088	2.104	ug/L	98
51) 1,2-Dibromoethane	11.24	107	8395	2.269	ug/L #	86
52) Chlorobenzene	11.66	112	30110	2.247	ug/L	95
53) Ethylbenzene	11.73	91	51830	2.198	ug/L	100
54) m,p-Xylene	11.84	106	20173	2.228	ug/L	88
55) o-xylene	12.16	106	17698	2.072	ug/L	98
56) Styrene	12.18	104	30109	2.055	ug/L	99
57) Isopropylbenzene	12.46	105	49139	2.127	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	11076	2.387	ug/L #	96
59) 1,2,3-Trichloropropane	12.77	75	8537	2.466	ug/L	93
62) Bromoform	12.35	173	5740	2.119	ug/L	91
63) 1,3-Dichlorobenzene	13.50	146	23678	2.247	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	24317	2.284	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	22501	2.347	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	2279	3.019	ug/L #	77
67) 1,3,5-Trichlorobenzene	14.63	180	18028	2.222	ug/L	95
68) 1,2,4-trichlorobenzene	15.13	180	12549	1.938	ug/L	94
69) Naphthalene	15.36	128	23600	1.908	ug/L	98
70) 1,2,3-Trichlorobenzene	15.56	180	12210	2.073	ug/L	100

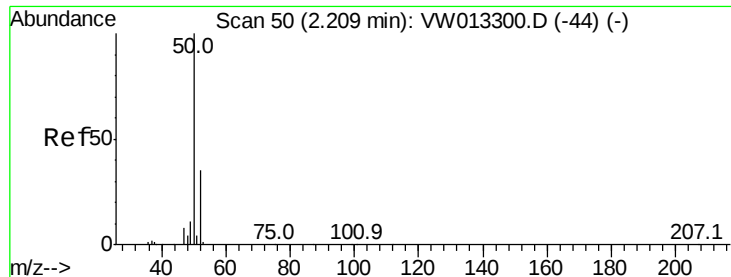
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#3

Chloromethane

Concen: 2.209 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

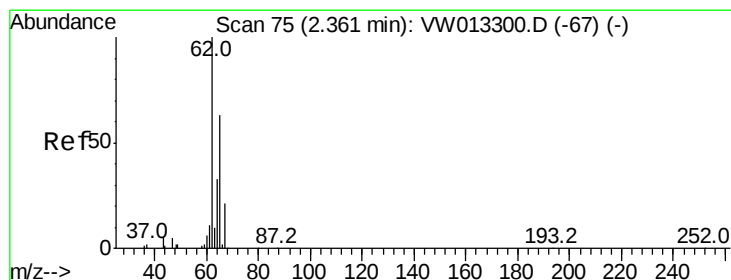
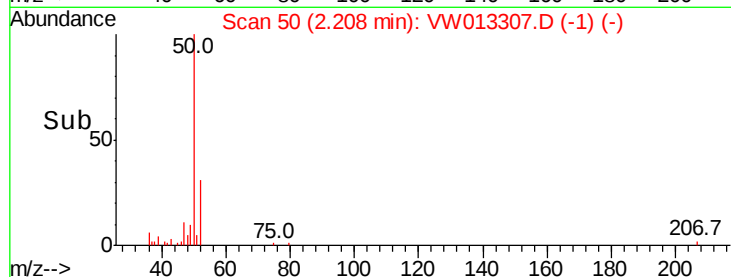
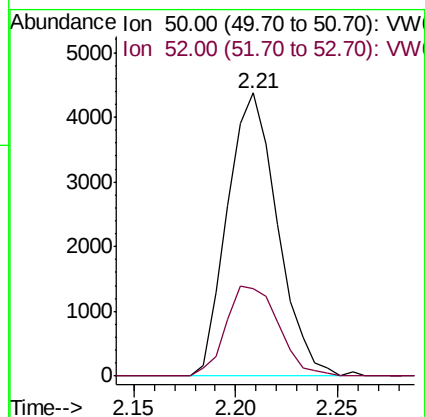
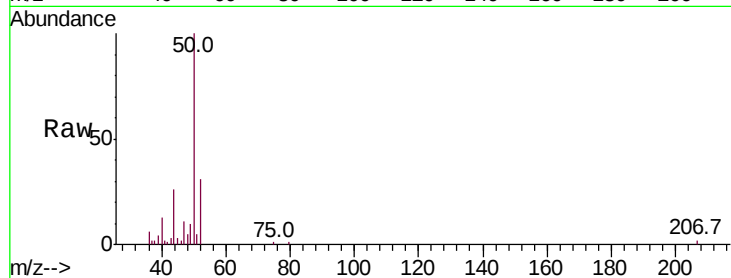
MDL03

Tot Ion: 50 Resp: 7447

Ion Ratio Lower Upper

50 100

52 30.9 24.4 45.4



#5

Vinyl chloride

Concen: 2.206 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013307.D

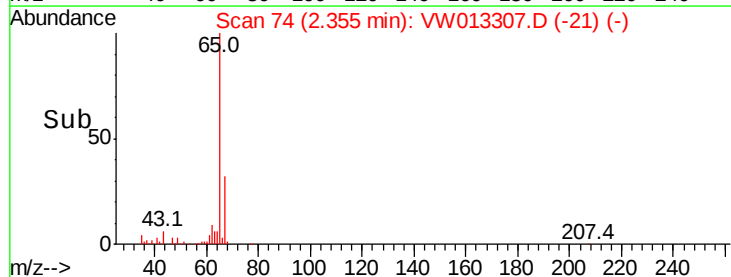
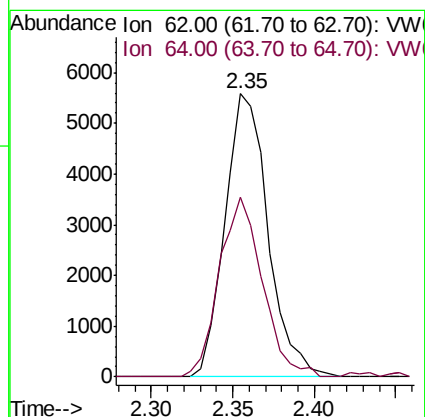
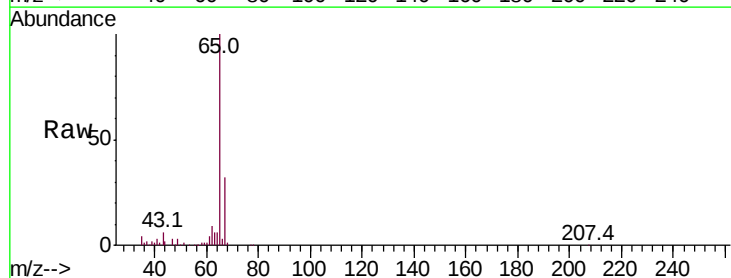
Acq: 26 Sep 2019 15:18

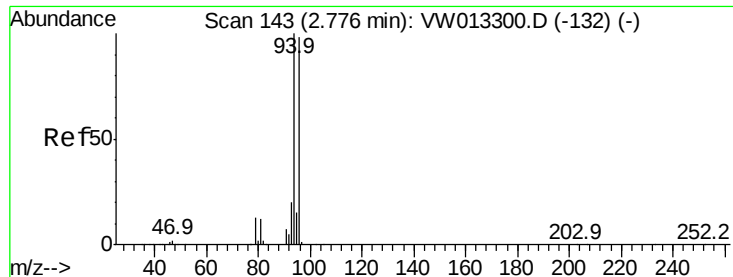
Tgt Ion: 62 Resp: 10283

Ion Ratio Lower Upper

62 100

64 63.3 23.2 43.0#





#6

Bromomethane

Concen: 2.085 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampled :

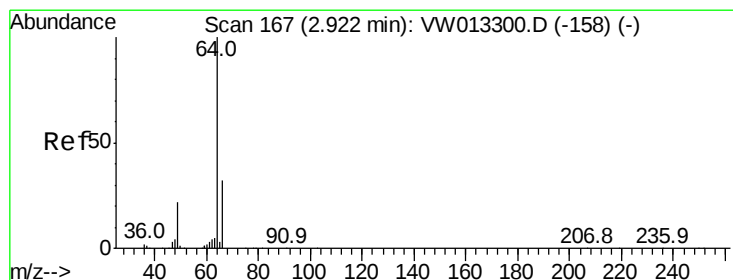
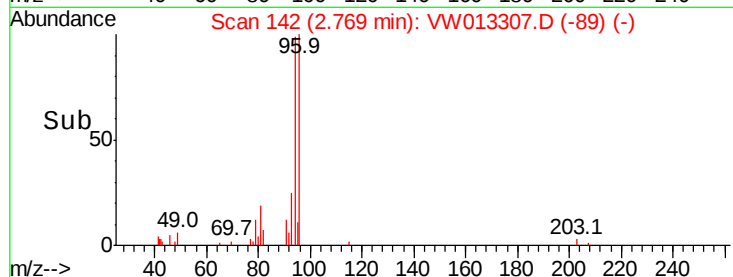
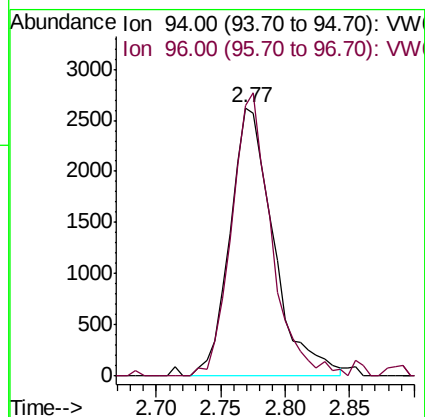
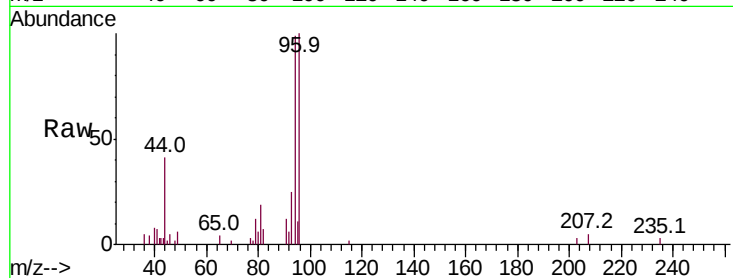
MDL03

Tot Ion: 94 Resp: 6180

Ion Ratio Lower Upper

94 100

96 94.1 9.7 184.3



#8

Chloroethane

Concen: 2.171 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW013307.D

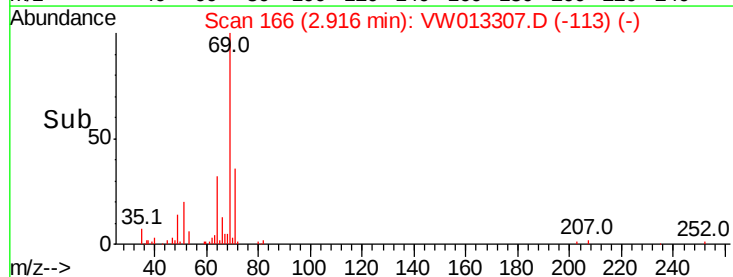
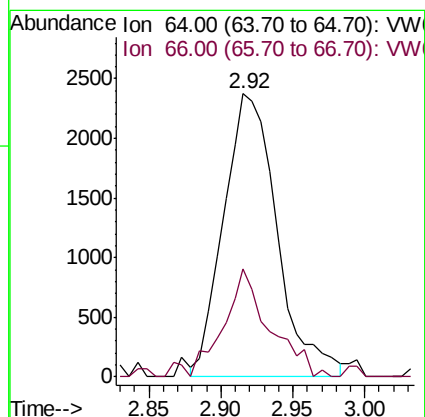
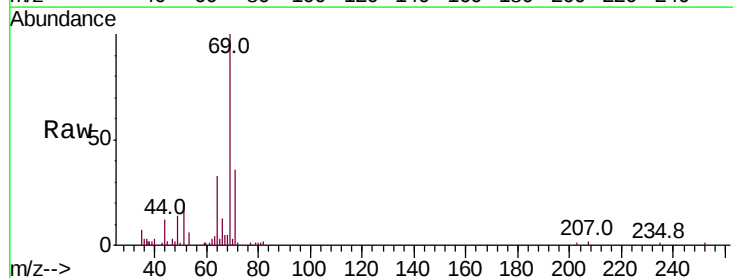
Acq: 26 Sep 2019 15:18

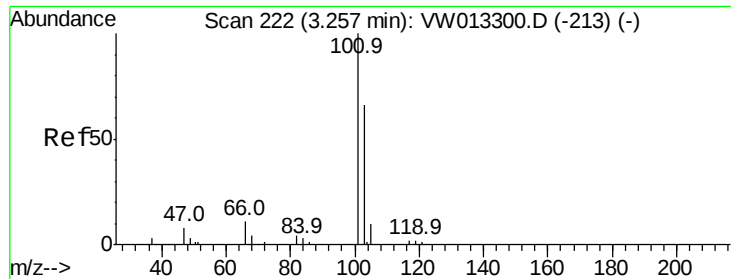
Tgt Ion: 64 Resp: 6139

Ion Ratio Lower Upper

64 100

66 38.3 22.7 42.1



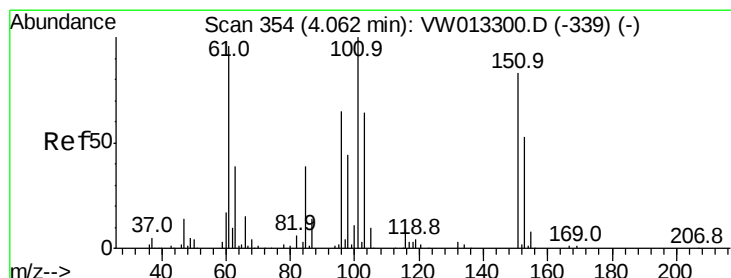
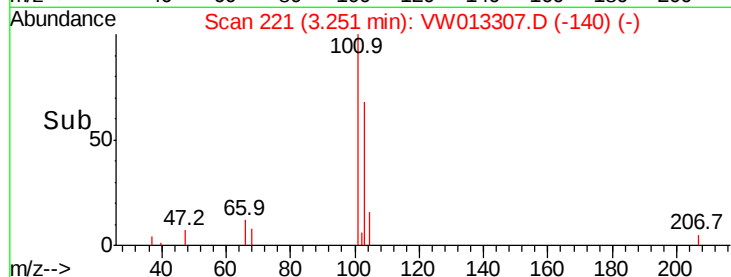
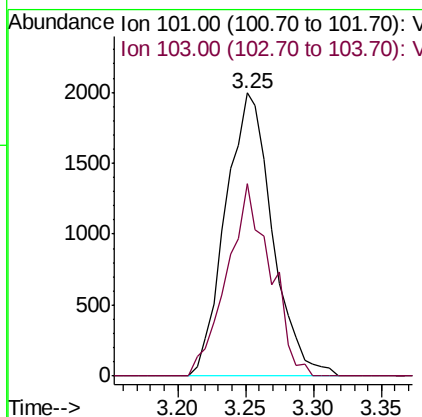
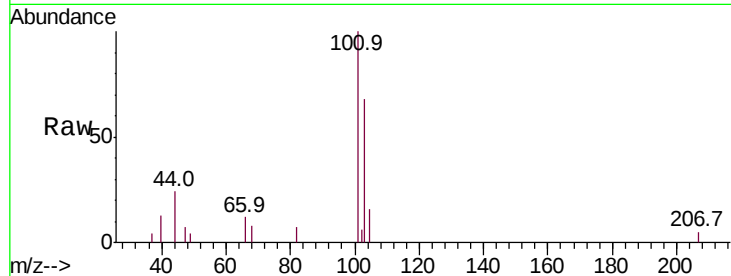


#9

Trichlorofluoromethane
Concen: 1.653 ug/L
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW013307.D
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Instrument :
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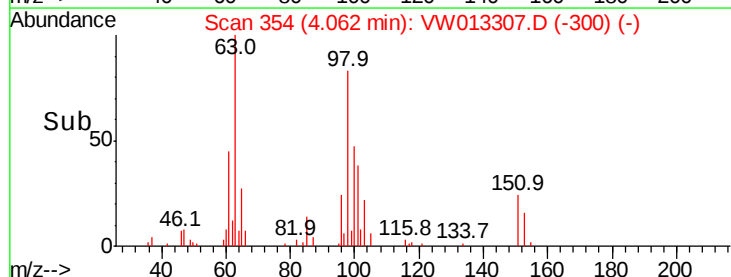
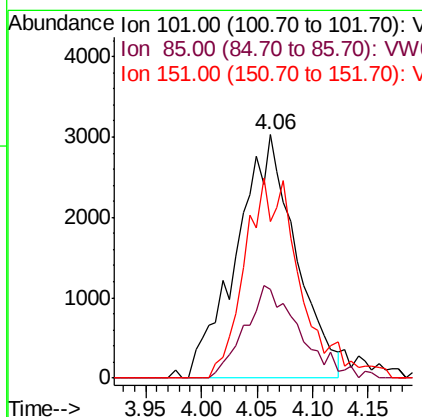
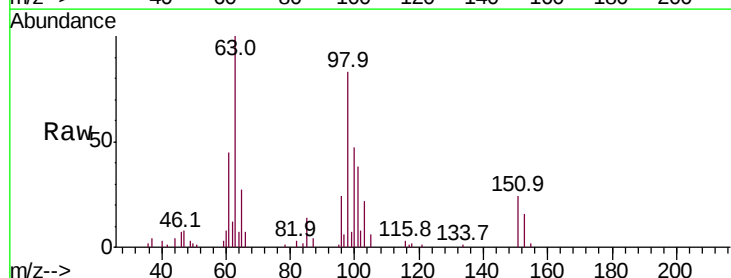
Tot Ion:101 Resp: 4777
Ion Ratio Lower Upper
101 100
103 63.2 45.2 84.0

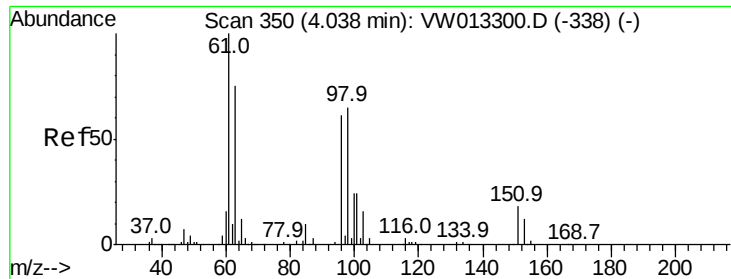


#11

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.454 ug/L
RT: 4.06 min Scan# 354
Delta R.T. -0.00 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

Tgt Ion:101 Resp: 11202
Ion Ratio Lower Upper
101 100
85 32.5 31.8 47.8
151 37.6 65.4 98.0#





#12

1,1-Dichloroethene

Concen: 2.556 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampled :

MDL03

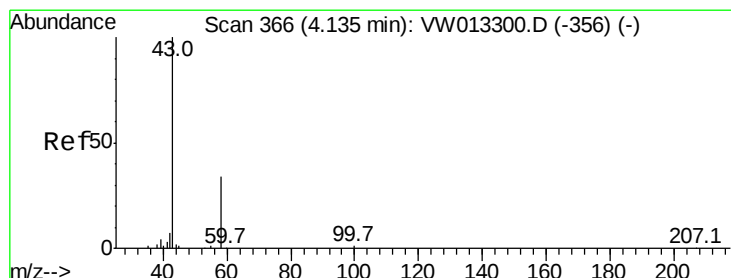
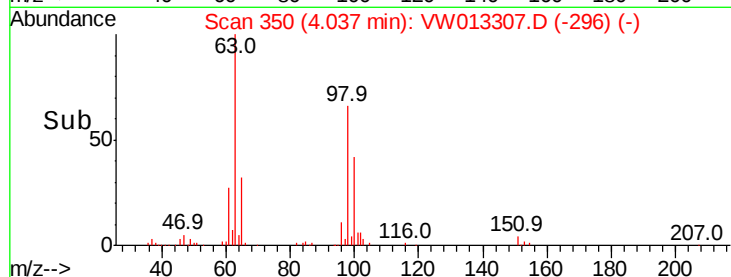
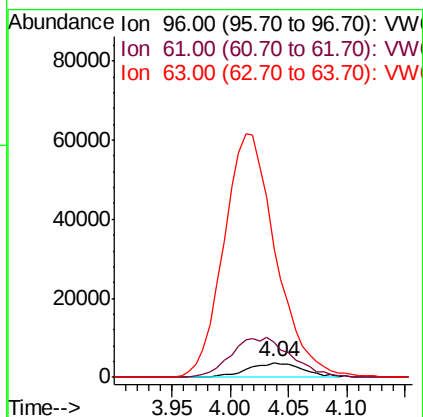
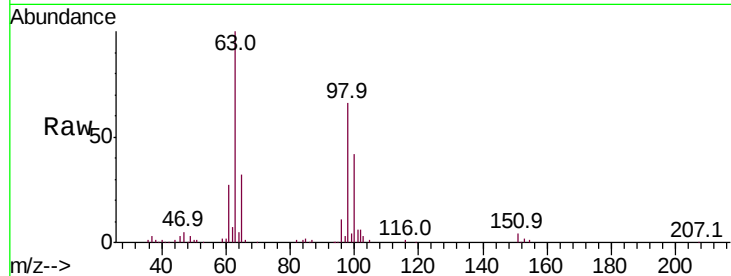
Tot Ion: 96 Resp: 11843

Ion Ratio Lower Upper

96 100

61 237.5 115.9 215.3#

63 888.1 88.9 165.1#



#13

Acetone

Concen: 3.311 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013307.D

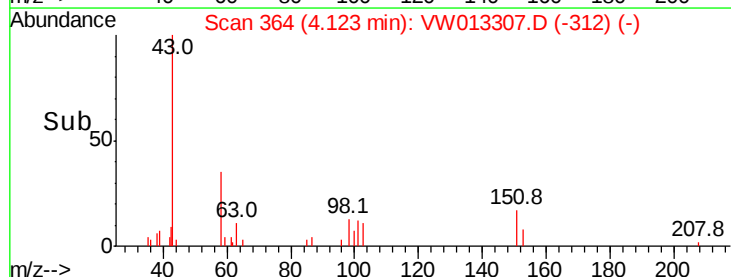
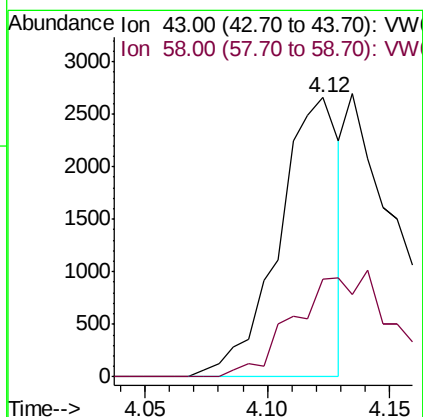
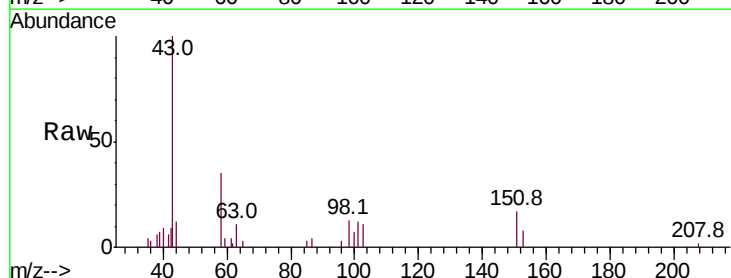
Acq: 26 Sep 2019 15:18

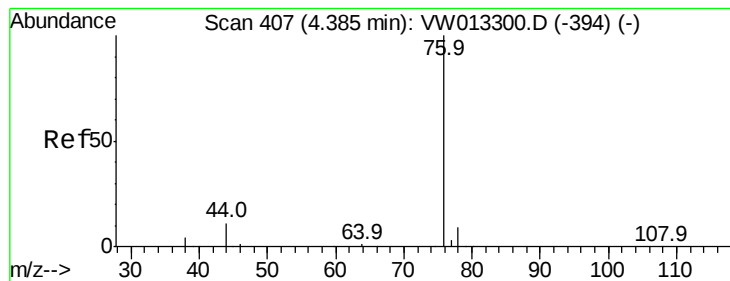
Tgt Ion: 43 Resp: 4565

Ion Ratio Lower Upper

43 100

58 21.2 0.0 63.2





#14

Carbon disulfide

Concen: 2.049 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW013307.D

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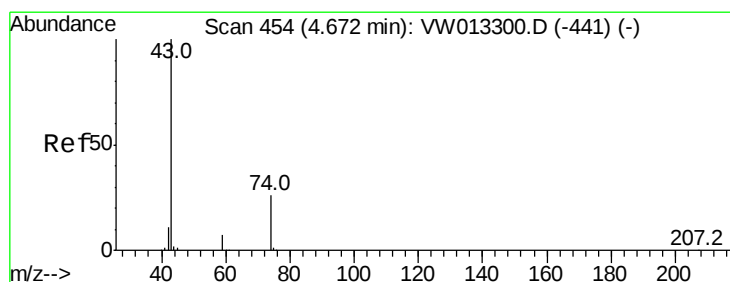
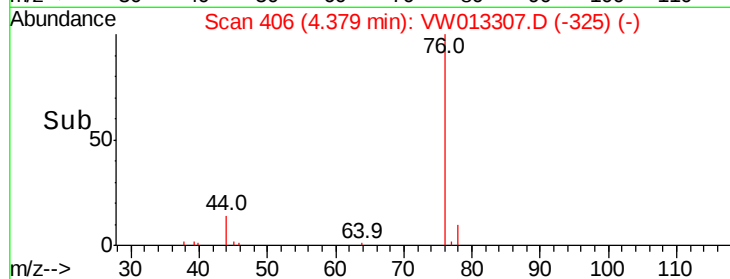
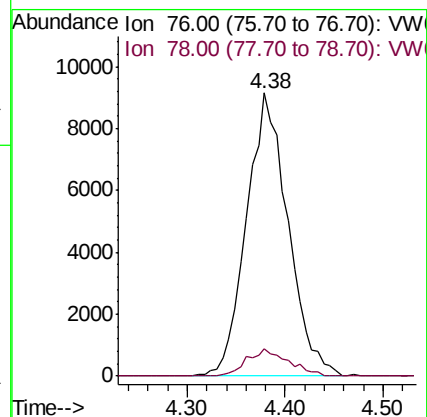
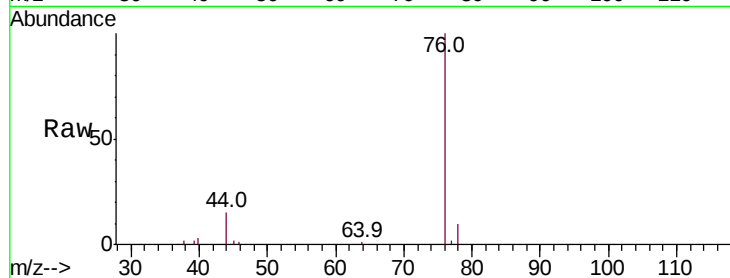
MDL03

Tot Ion: 76 Resp: 26950

Ion Ratio Lower Upper

76 100

78 9.8 7.2 10.8



#15

Methyl Acetate

Concen: 2.016 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW013307.D

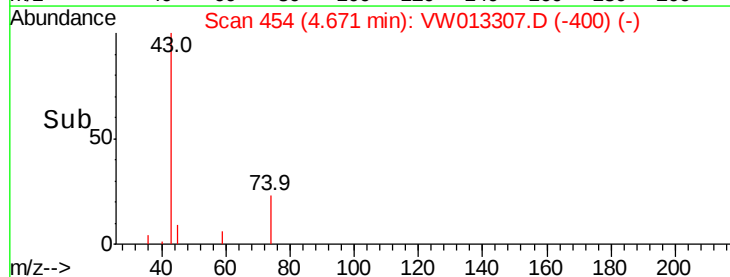
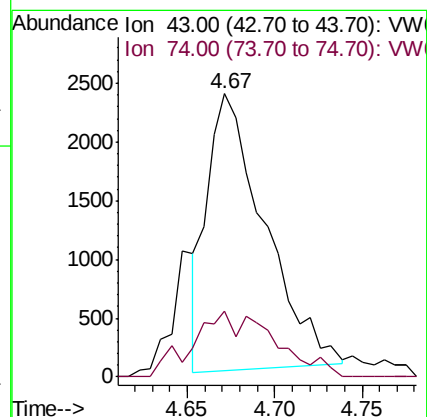
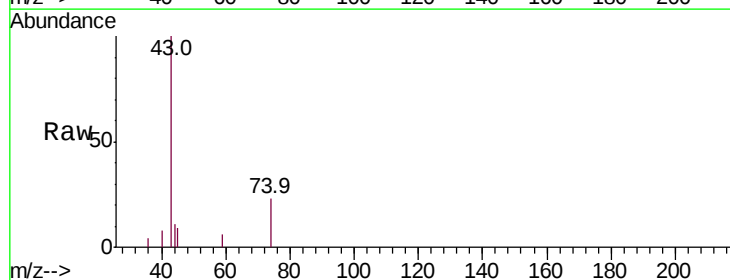
Acq: 26 Sep 2019 15:18

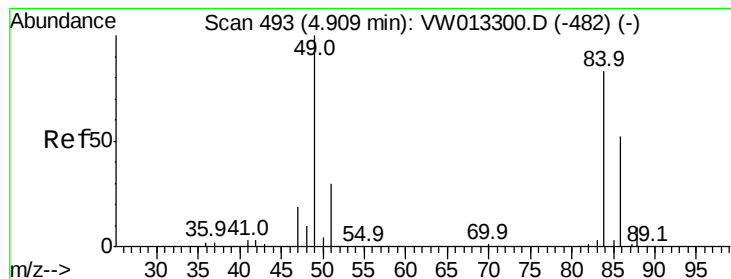
Tgt Ion: 43 Resp: 5364

Ion Ratio Lower Upper

43 100

74 14.1 18.7 28.1#





#16

Methylene chloride

Concen: 3.292 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

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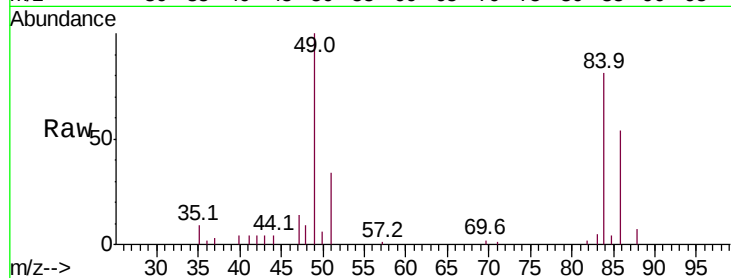
Tot Ion: 84 Resp: 19768

Ion Ratio Lower Upper

84 100

49 123.8 84.8 157.4

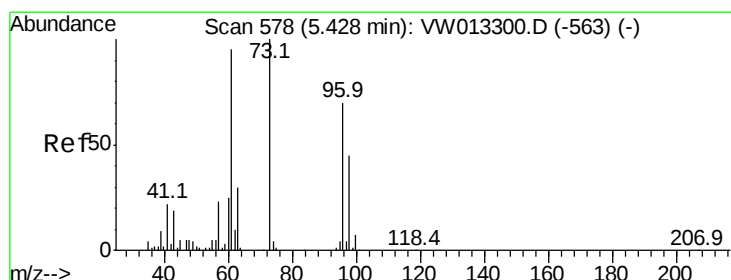
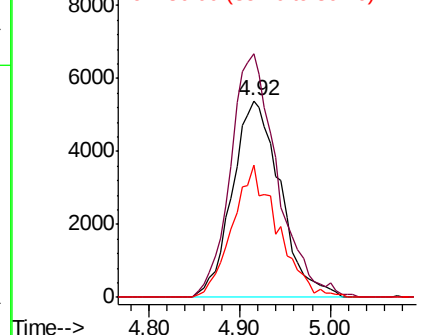
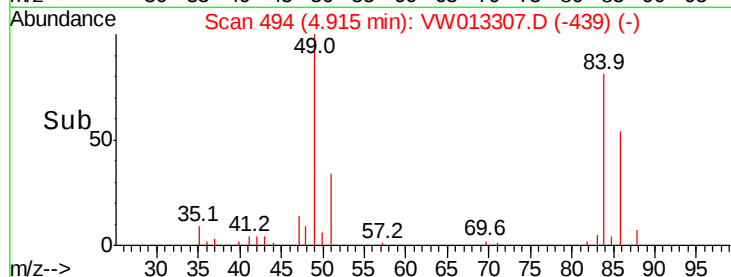
86 67.2 44.0 81.6



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW



#17

Methyl tert-butyl Ether

Concen: 2.141 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

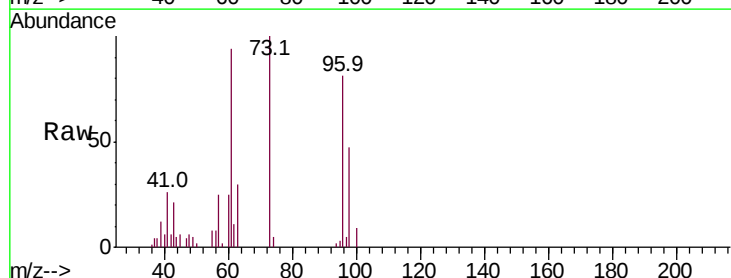
Tgt Ion: 73 Resp: 17155

Ion Ratio Lower Upper

73 100

43 19.7 15.3 22.9

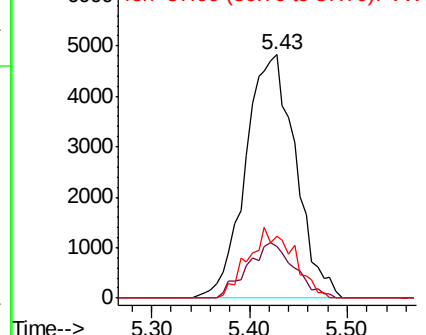
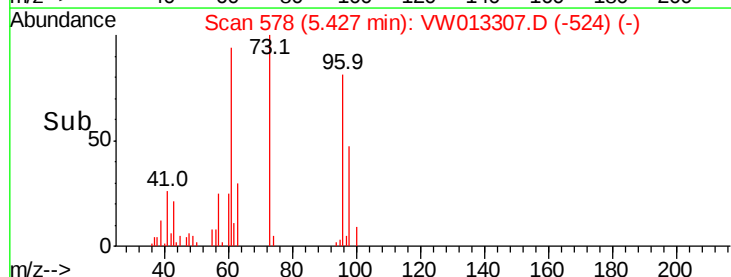
57 13.9 18.2 27.4#

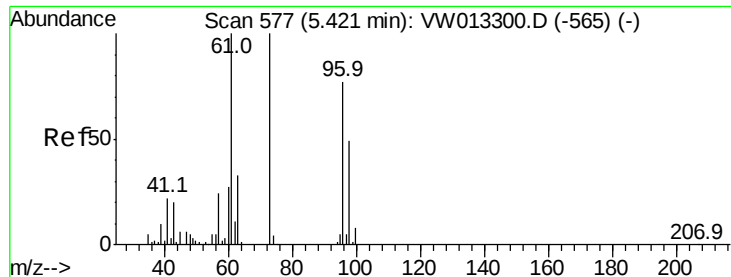


Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW





#18

trans-1,2-Dichloroethene

Concen: 2.279 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampled :

MDL03

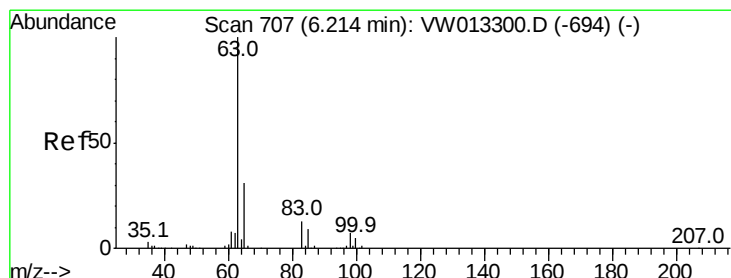
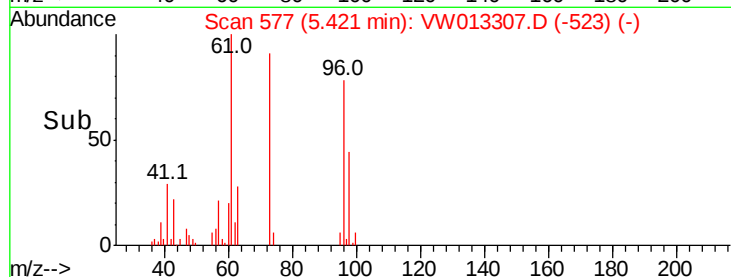
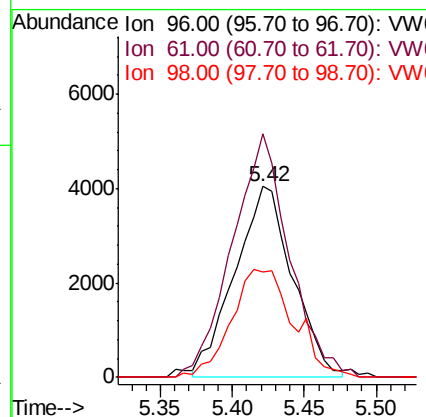
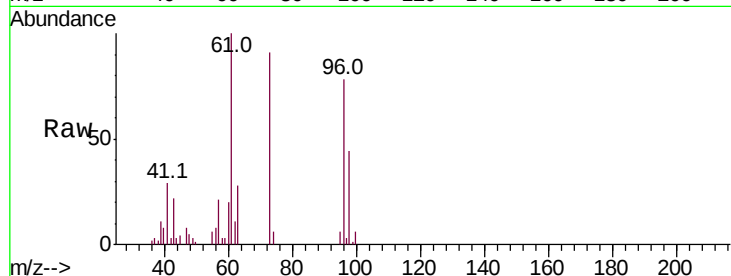
Tot Ion: 96 Resp: 11292

Ion Ratio Lower Upper

96 100

61 127.7 91.2 169.4

98 55.6 44.7 82.9



#19

1,1-Dichloroethane

Concen: 2.106 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

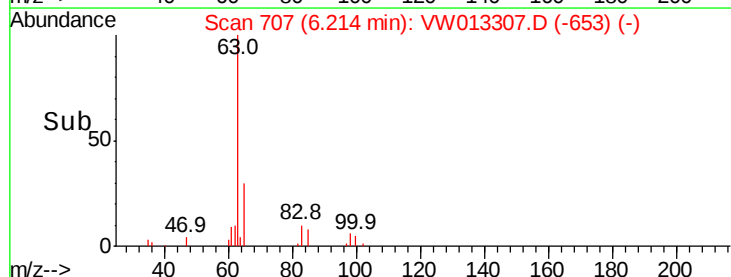
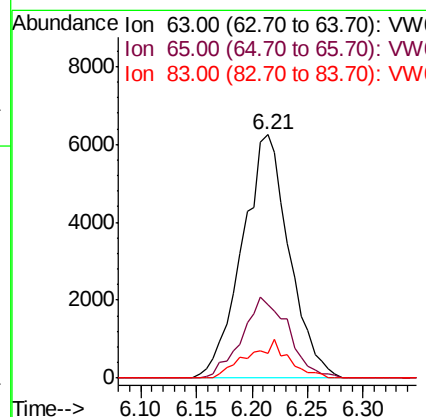
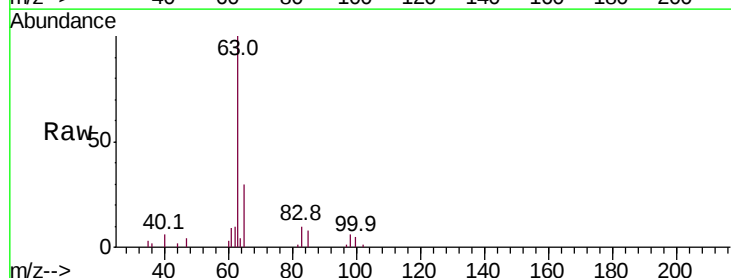
Tgt Ion: 63 Resp: 18304

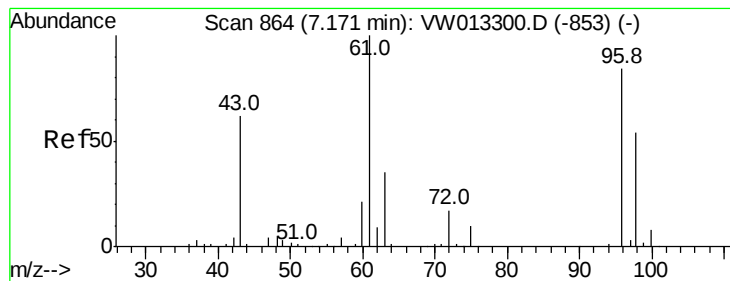
Ion Ratio Lower Upper

63 100

65 30.2 21.8 40.4

83 10.3 9.3 17.3





#21

2-Butanone

Concen: 5.490 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

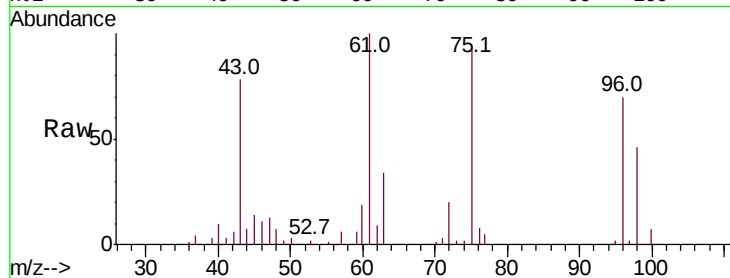
Instrument :
MSVOA_W
ClientSampled :
MDL03

Tot Ion: 43 Resp: 10902

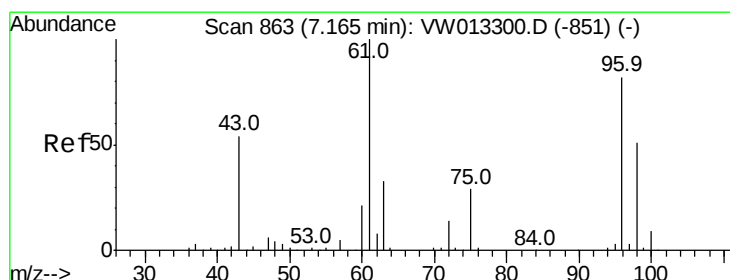
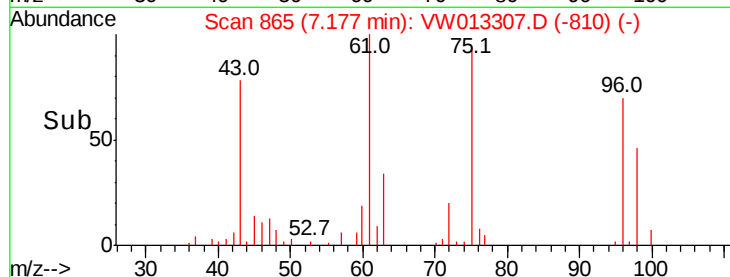
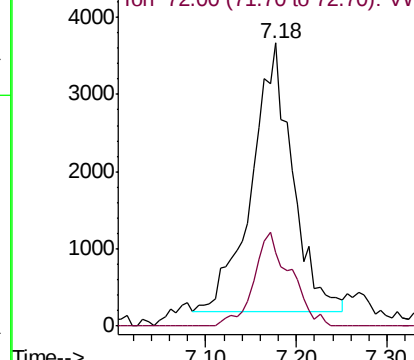
Ion Ratio Lower Upper

43 100

72 18.7 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: 2.096 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

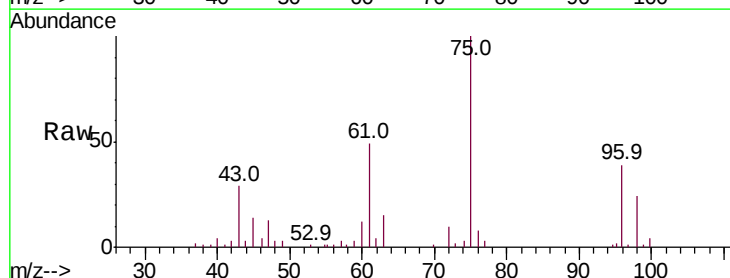
Tgt Ion: 96 Resp: 11316

Ion Ratio Lower Upper

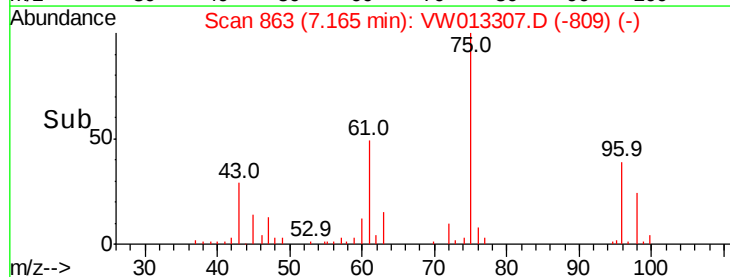
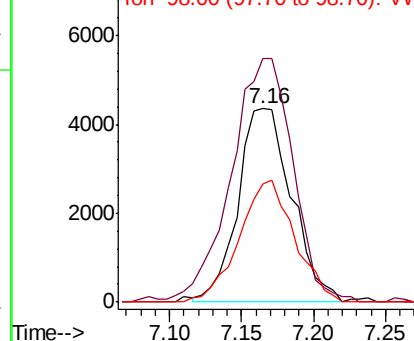
96 100

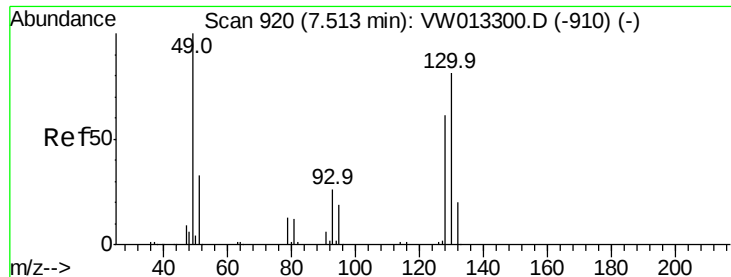
61 125.7 86.0 159.6

98 61.2 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW





#23

Bromochloromethane

Concen: 1.934 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

MDL03

Tot Ion:128 Resp: 4697

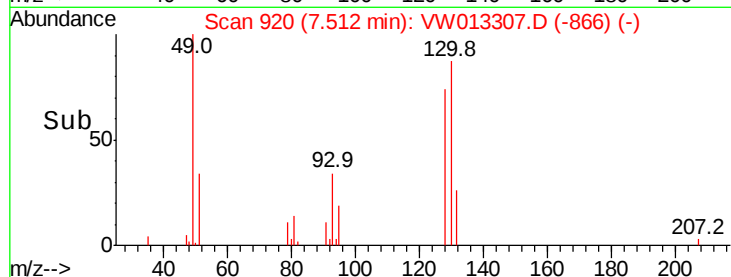
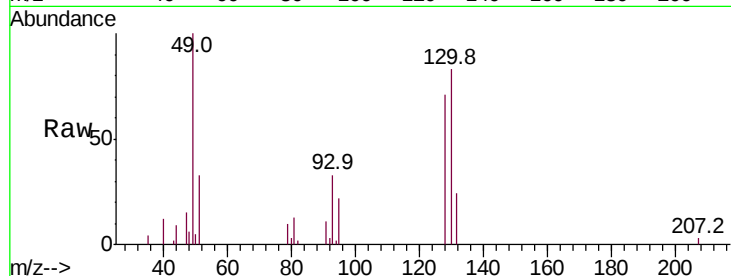
Ion Ratio Lower Upper

128 100

49 140.9 114.6 212.8

130 116.4 92.6 172.0

51 46.4 42.7 64.1

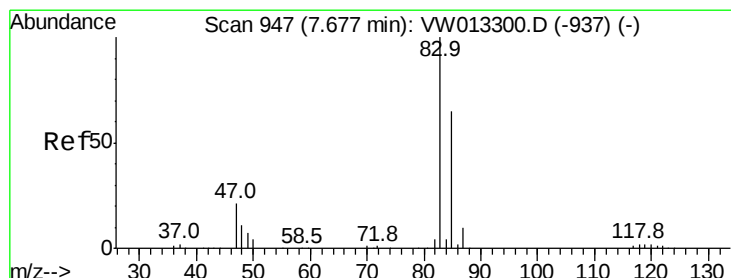
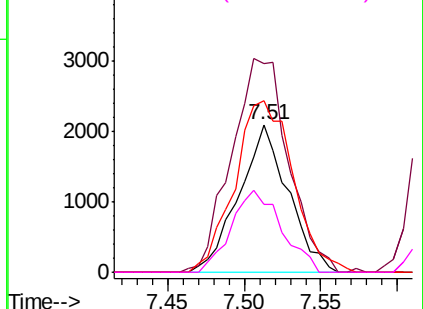


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW



#25

Chloroform

Concen: 2.302 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW013307.D

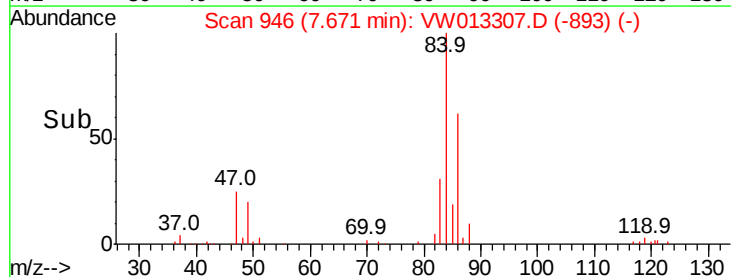
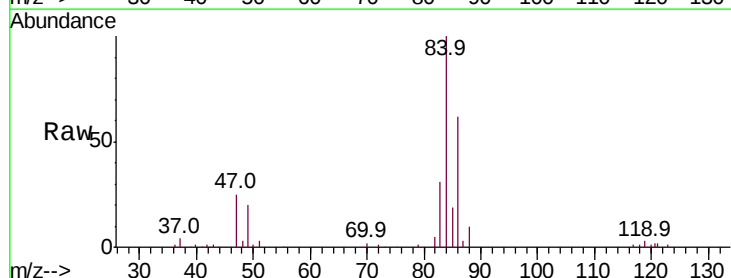
Acq: 26 Sep 2019 15:18

Tgt Ion: 83 Resp: 19660

Ion Ratio Lower Upper

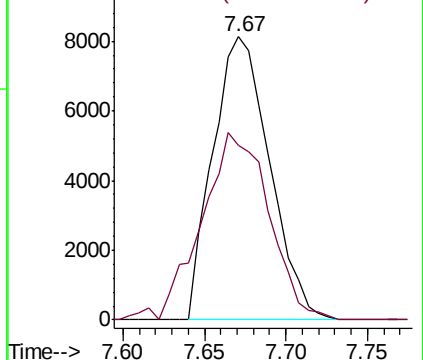
83 100

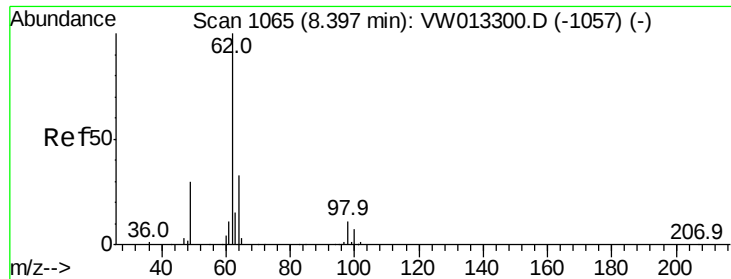
85 77.6 45.9 85.3



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW





#27

1,2-Dichloroethane

Concen: 2.149 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampled :

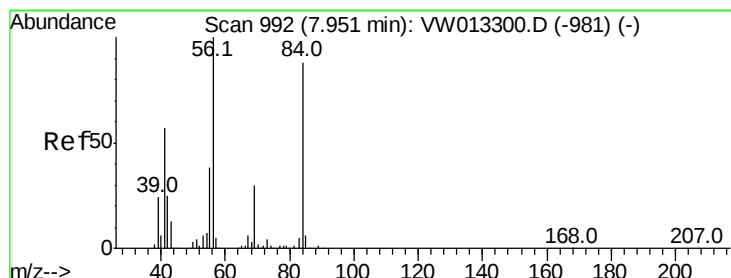
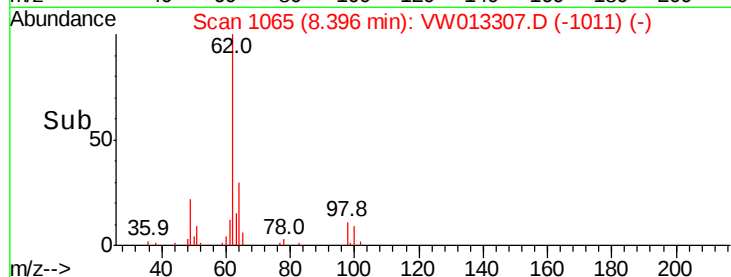
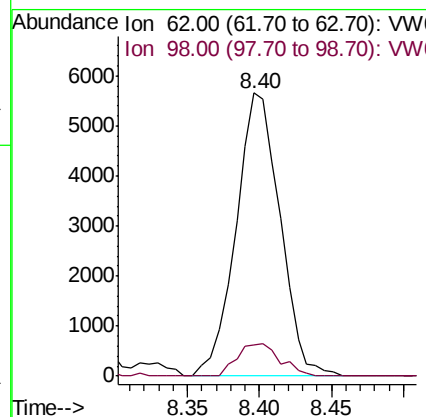
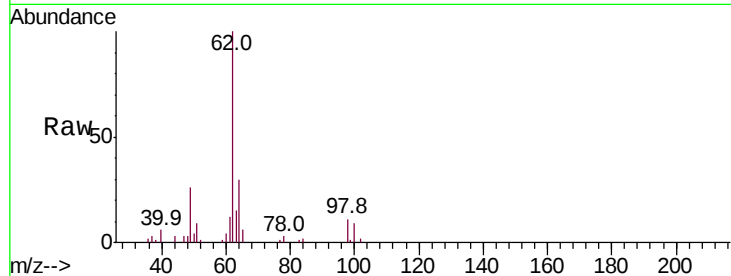
MDL03

Tot Ion: 62 Resp: 12019

Ion Ratio Lower Upper

62 100

98 10.8 9.0 13.6



#30

Cyclohexane

Concen: 2.301 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

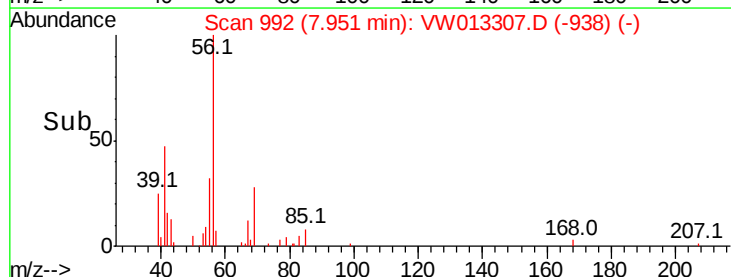
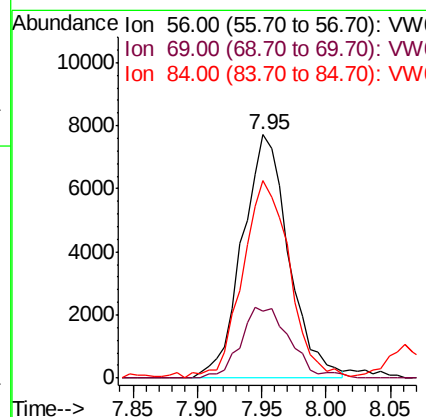
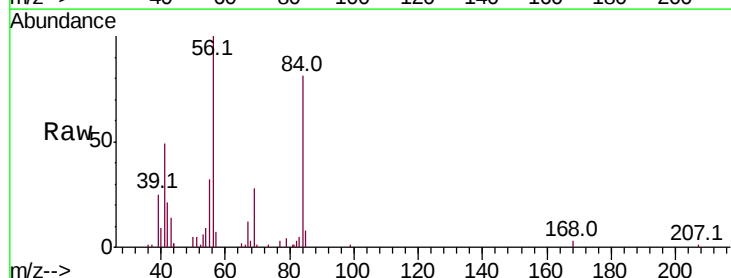
Tgt Ion: 56 Resp: 19261

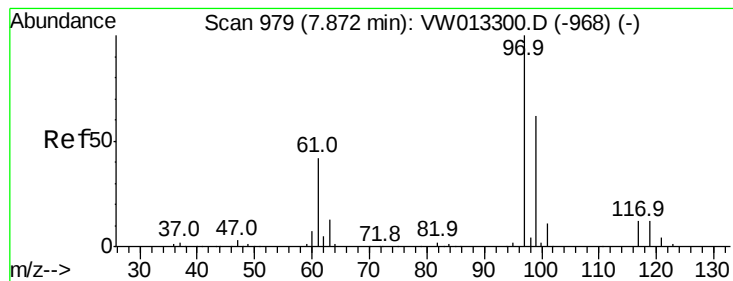
Ion Ratio Lower Upper

56 100

69 29.9 24.6 37.0

84 82.3 69.5 104.3





#31

1,1,1-Trichloroethane

Concen: 2.243 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampled :

MDL03

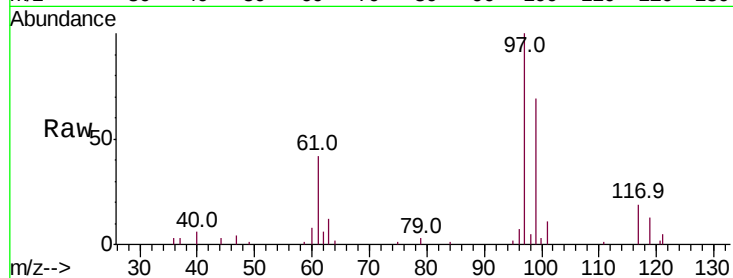
Tot Ion: 97 Resp: 15004

Ion Ratio Lower Upper

97 100

99 64.3 50.6 75.8

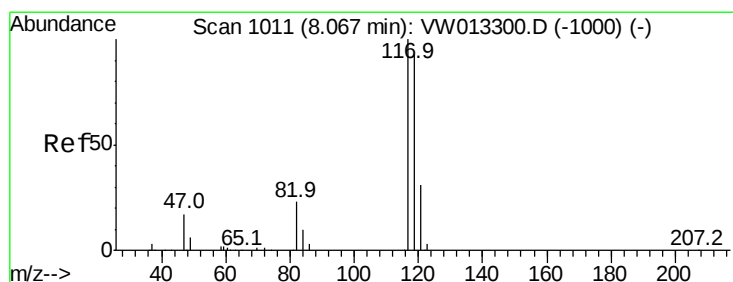
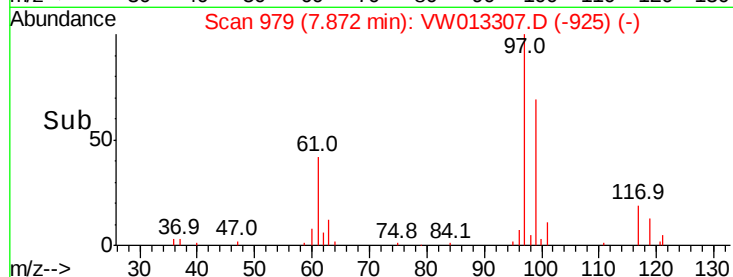
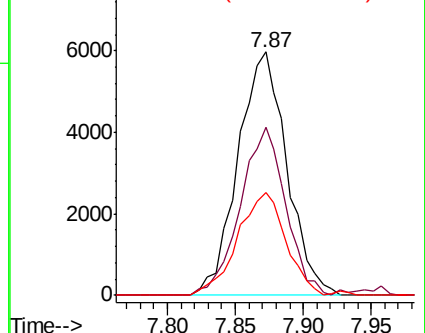
61 41.7 34.2 51.2



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW



#32

Carbon tetrachloride

Concen: 2.231 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW013307.D

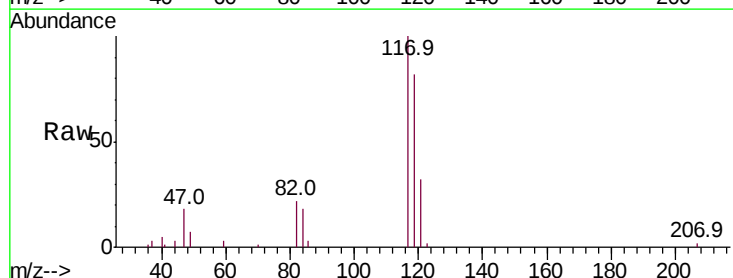
Acq: 26 Sep 2019 15:18

Tgt Ion: 117 Resp: 14229

Ion Ratio Lower Upper

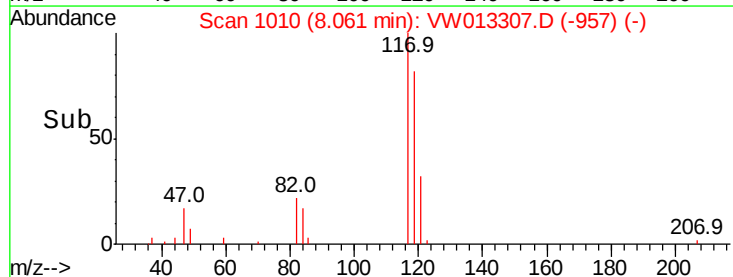
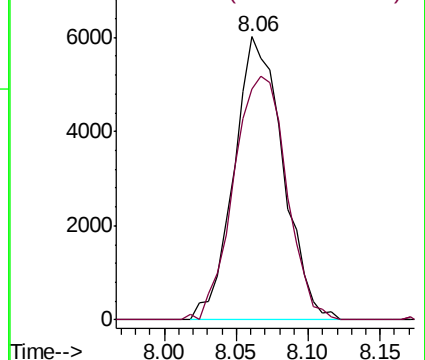
117 100

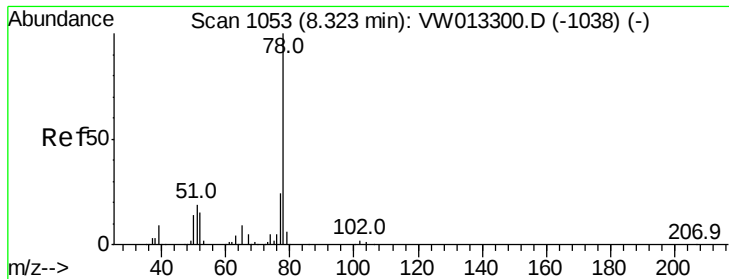
119 92.5 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 2.216 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

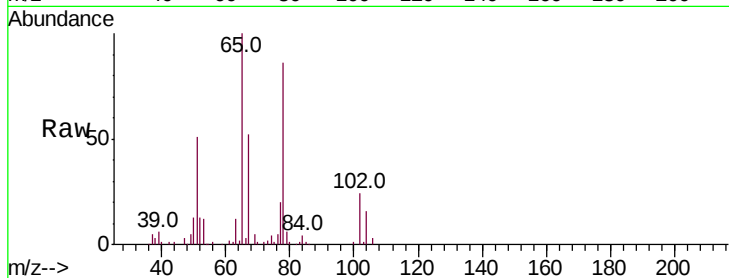
Instrument :

MSVOA_W

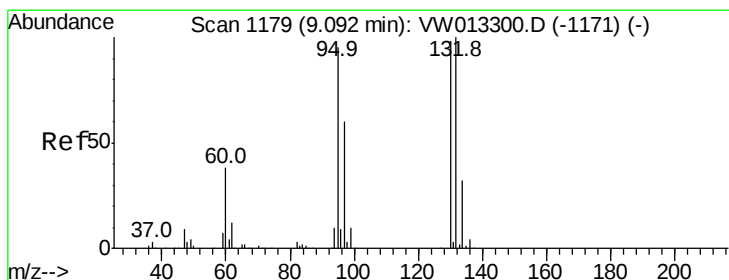
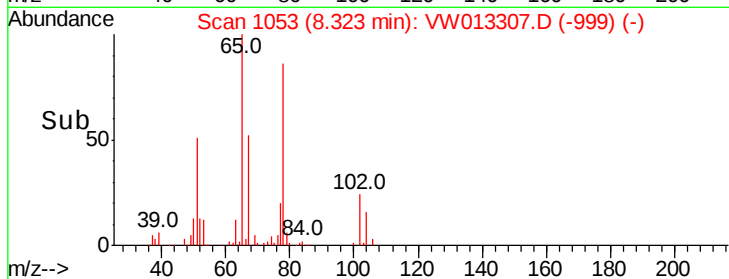
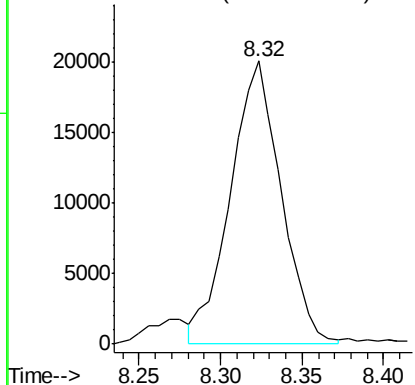
ClientSampleId :

MDL03

Tgt Ion: 78 Resp: 43287



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 2.261 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Tgt Ion: 95 Resp: 11605

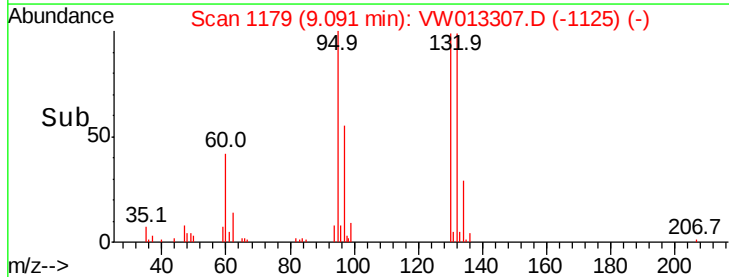
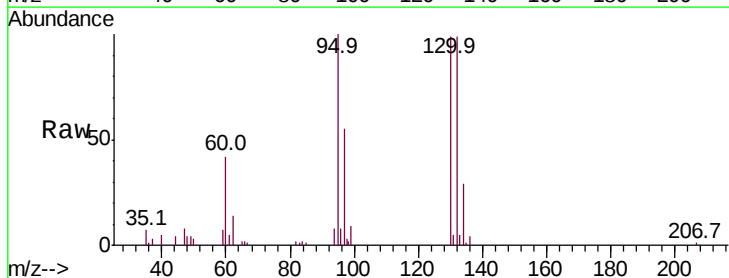
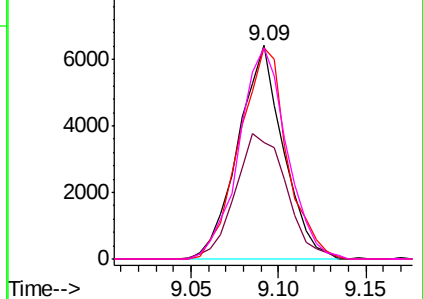
Ion	Ratio	Lower	Upper
95	100		
97	66.5	44.3	82.3
132	104.1	71.7	133.3
130	104.5	74.1	137.7

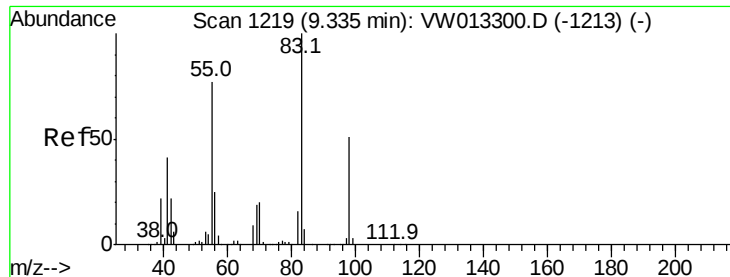
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

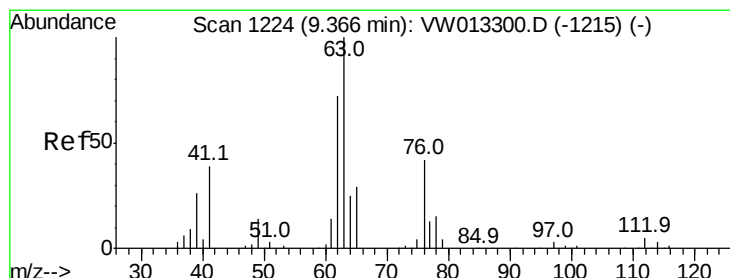
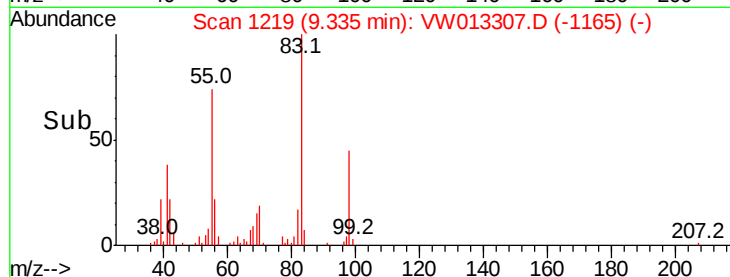
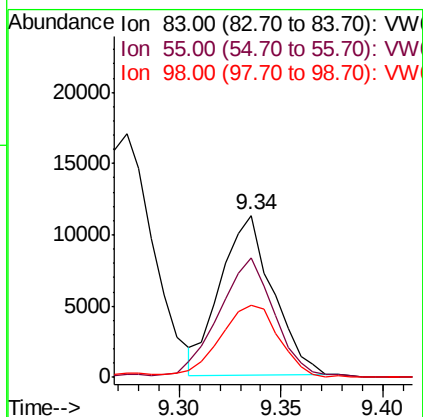
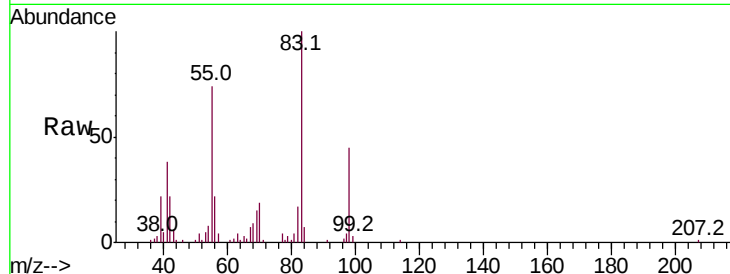




#36
Methylcyclohexane
Concen: 2.197 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

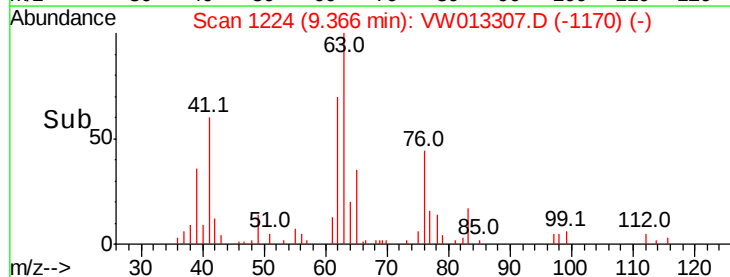
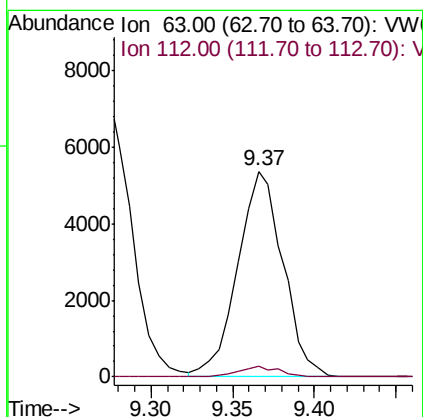
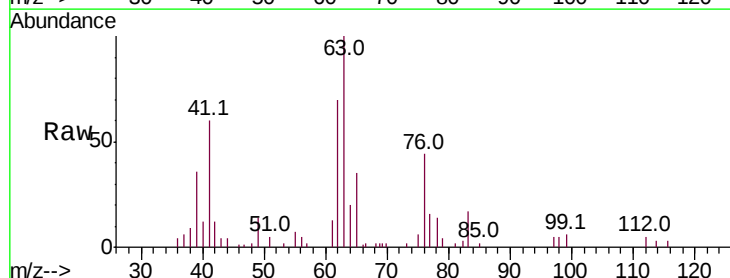
Instrument :
MSVOA_W
ClientSampled :
MDL03

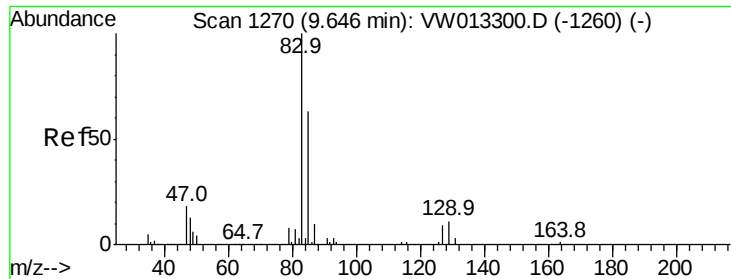
Tot Ion: 83 Resp: 20084
Ion Ratio Lower Upper
83 100
55 79.4 61.8 92.6
98 50.7 39.6 59.4



#40
1,2-Dichloropropane
Concen: 2.157 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

Tgt Ion: 63 Resp: 10367
Ion Ratio Lower Upper
63 100
112 4.7 4.1 6.1

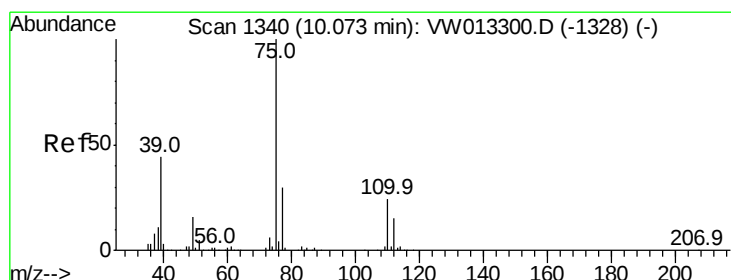
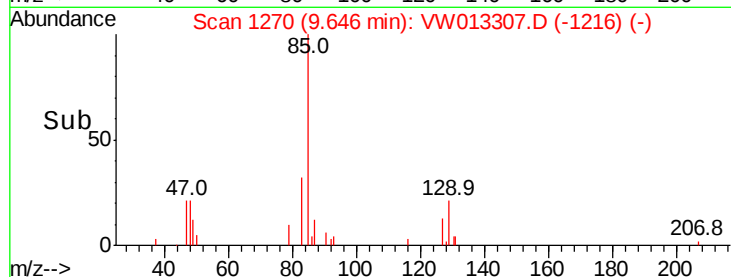
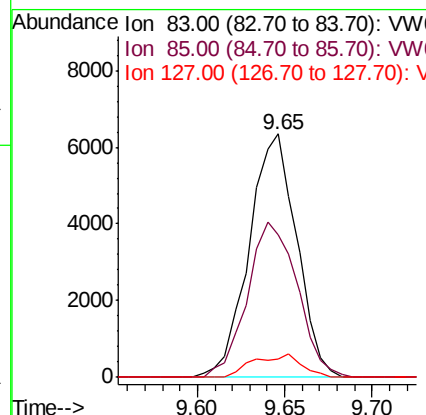
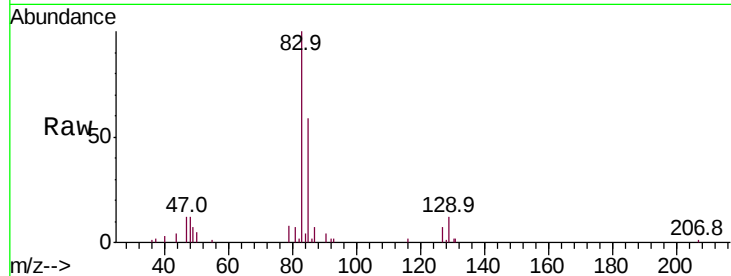




#41
Bromodichloromethane
Concen: 2.031 ug/L
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

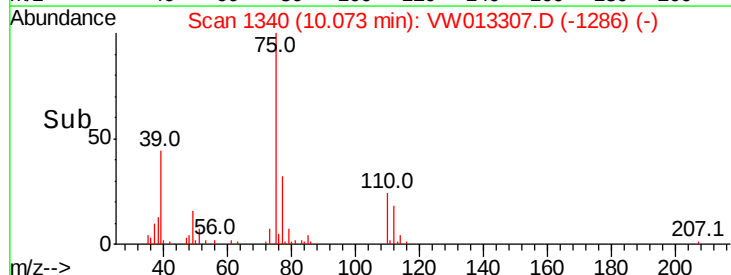
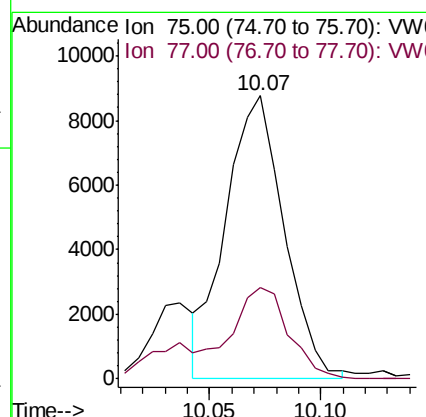
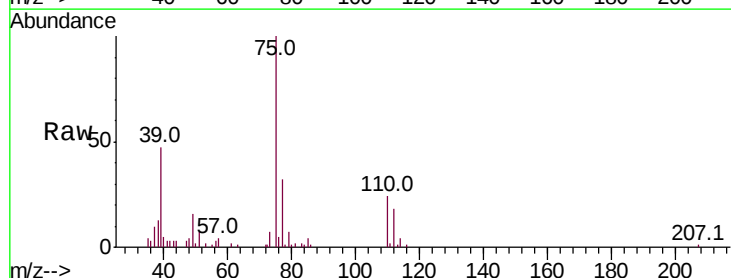
Instrument :
MSVOA_W
ClientSampled :
MDL03

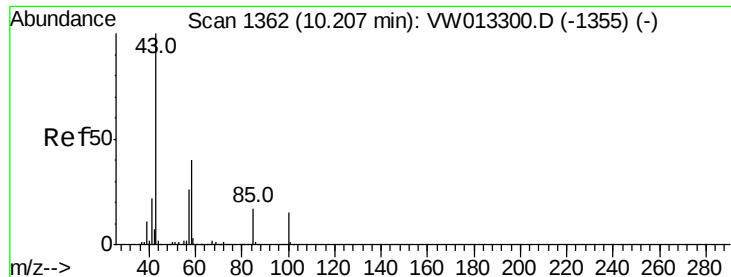
Tot Ion: 83 Resp: 11977
Ion Ratio Lower Upper
83 100
85 58.7 43.8 81.4
127 7.4 7.0 10.6



#42
cis-1,3-Dichloropropene
Concen: 2.083 ug/L
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

Tgt Ion: 75 Resp: 15989
Ion Ratio Lower Upper
75 100
77 32.1 21.3 39.5

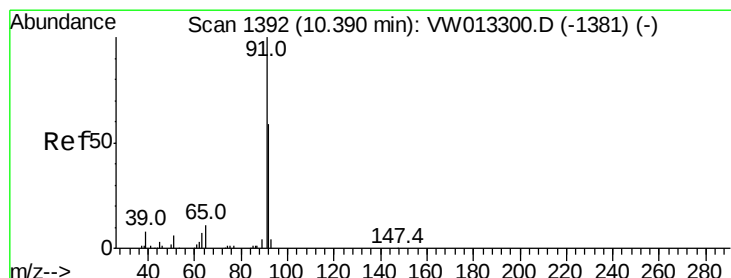
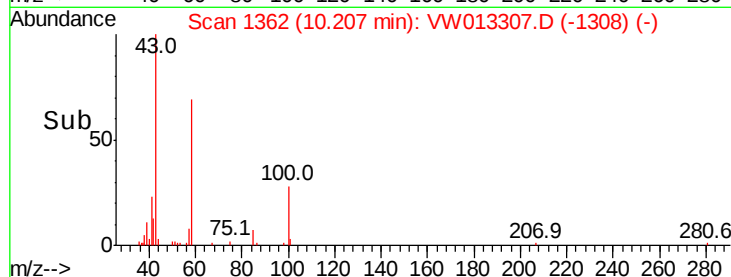
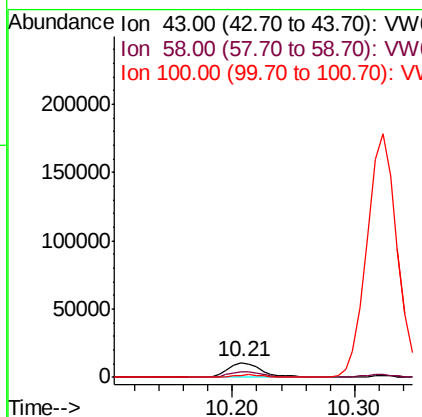
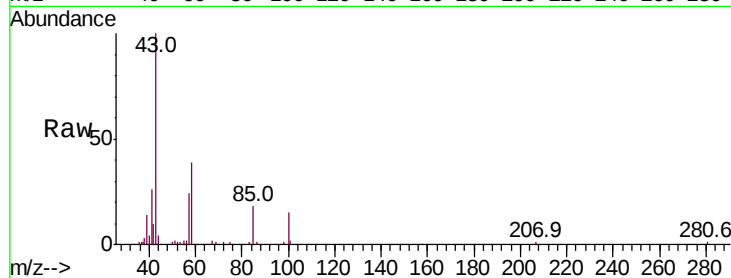




#43
4-Methyl-2-pentanone
Concen: 5.796 ug/L
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

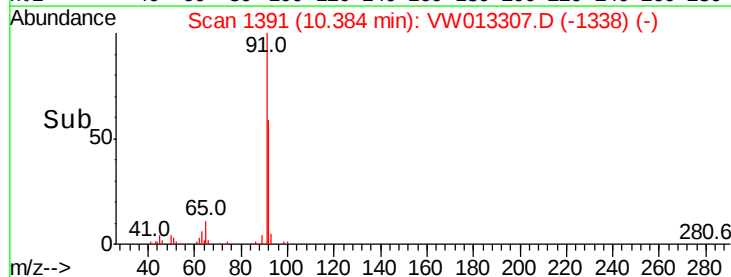
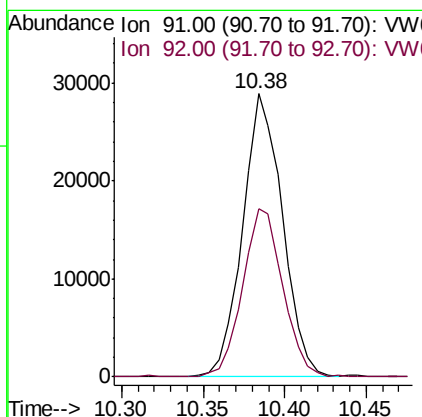
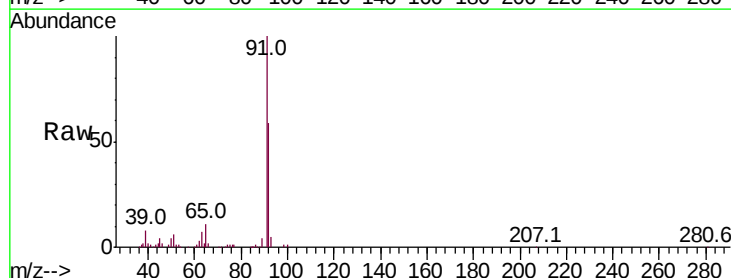
Instrument :
MSVOA_W
ClientSampleId :
MDL03

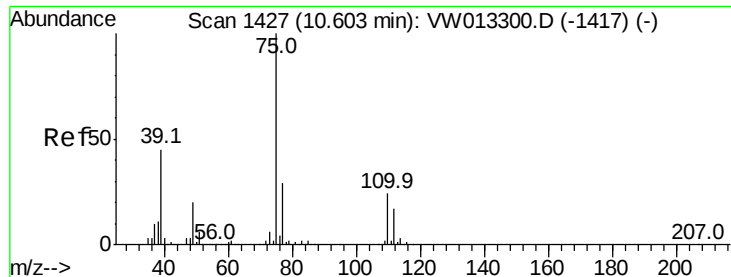
Tot Ion: 43 Resp: 21329
Ion Ratio Lower Upper
43 100
58 40.1 32.7 49.1
100 15.8 12.9 19.3



#44
Toluene
Concen: 2.310 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW013307.D
Acq: 26 Sep 2019 15:18

Tgt Ion: 91 Resp: 49127
Ion Ratio Lower Upper
91 100
92 59.3 41.5 77.1





#45

trans-1,3-Dichloropropene

Concen: 2.476 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampled :

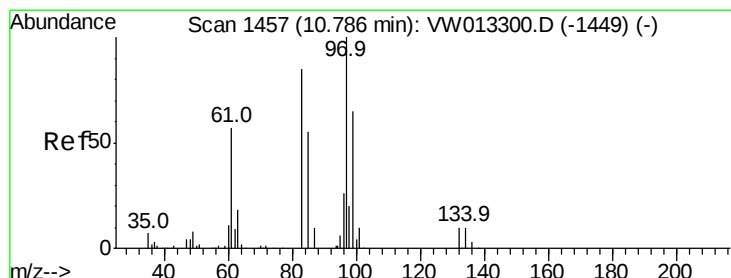
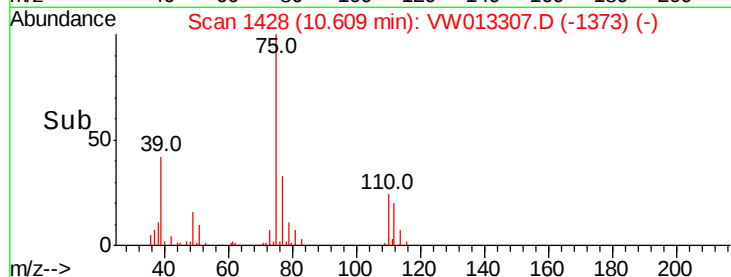
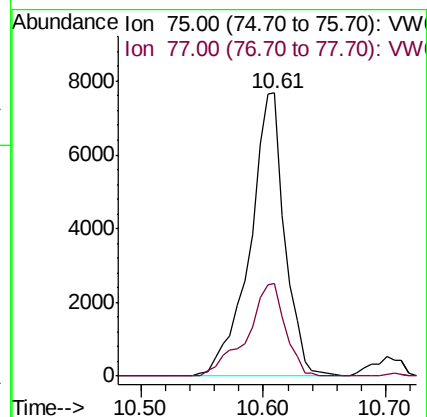
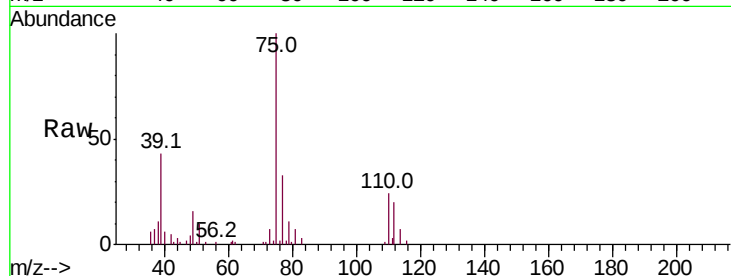
MDL03

Tot Ion: 75 Resp: 15283

Ion Ratio Lower Upper

75 100

77 32.9 20.5 38.1



#46

1,1,2-Trichloroethane

Concen: 2.335 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Tgt Ion: 97 Resp: 8792

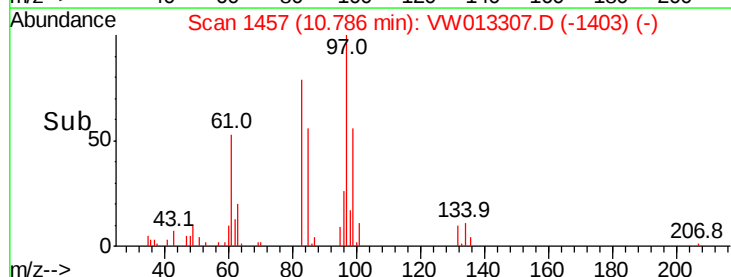
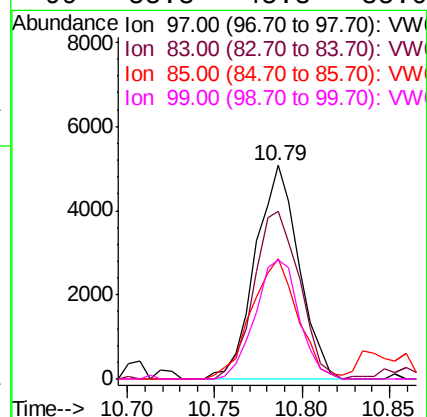
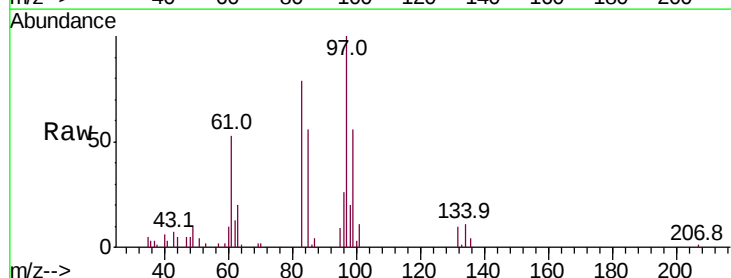
Ion Ratio Lower Upper

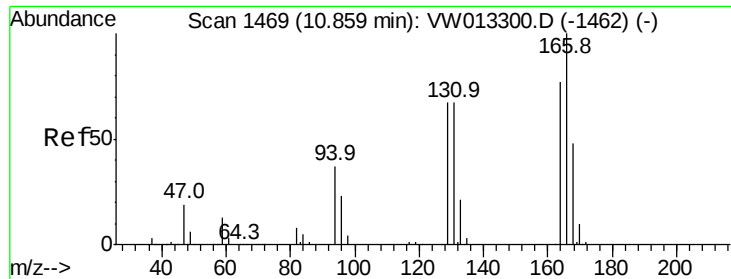
97 100

83 78.8 59.4 110.2

85 56.1 38.7 71.9

99 55.8 45.8 85.0





#47

Tetrachloroethene

Concen: 2.407 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

MDL03

Tot Ion:164 Resp: 11118

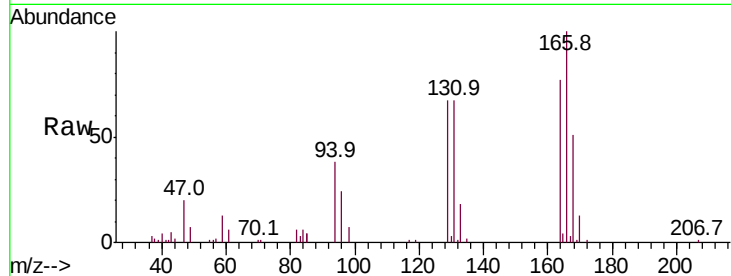
Ion Ratio Lower Upper

164 100

129 83.3 60.5 112.5

131 82.9 60.6 112.6

166 123.7 90.6 168.2

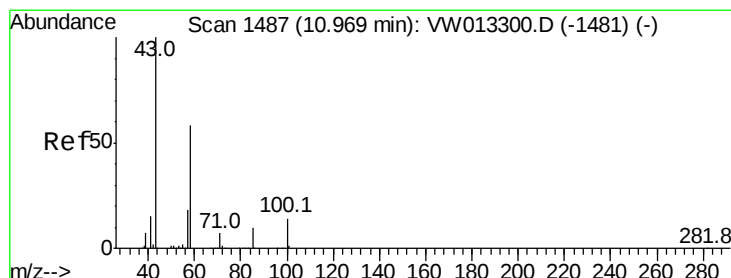
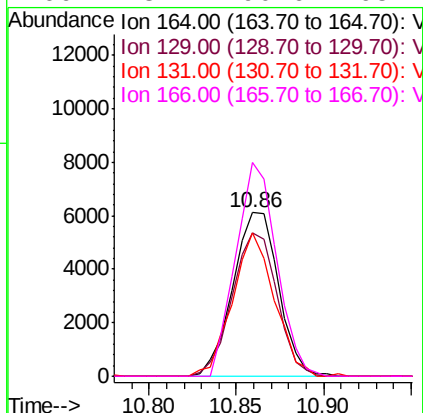
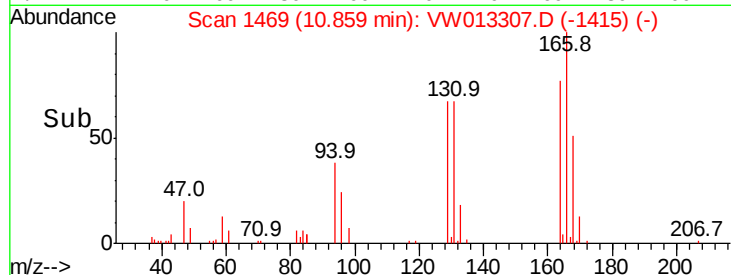


Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.321 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Tgt Ion: 43 Resp: 14074

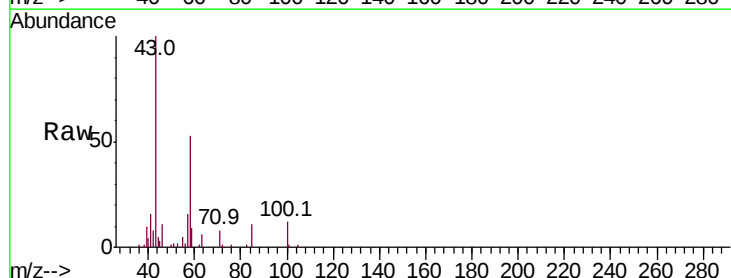
Ion Ratio Lower Upper

43 100

58 57.6 44.3 66.5

57 19.0 15.3 22.9

100 11.0 10.6 15.8

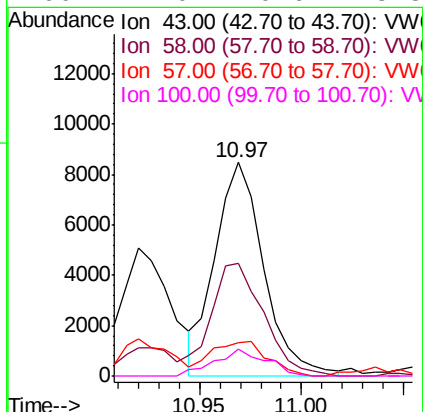
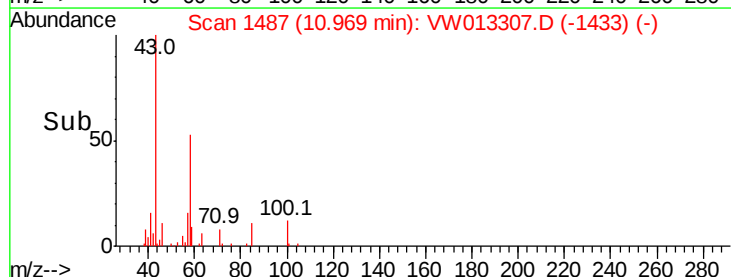


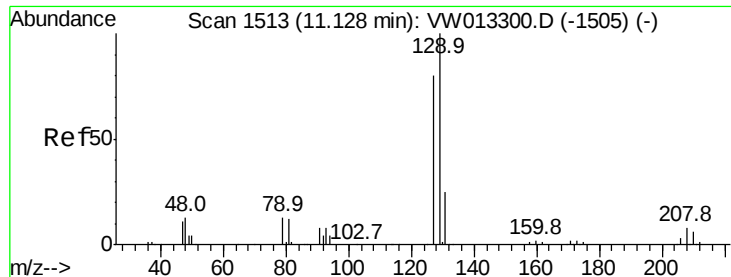
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#50

Dibromochloromethane

Concen: 2.104 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

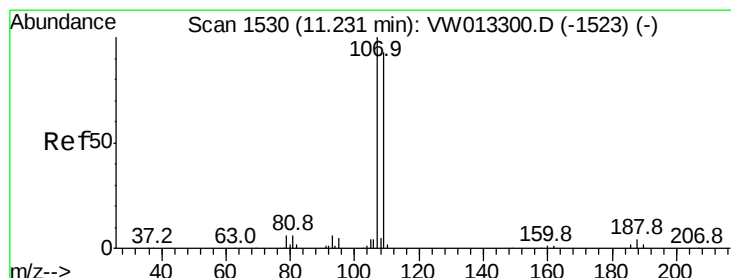
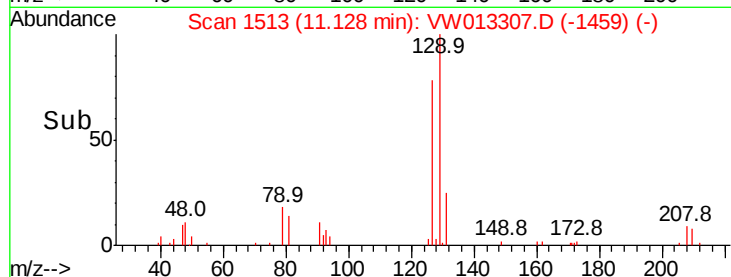
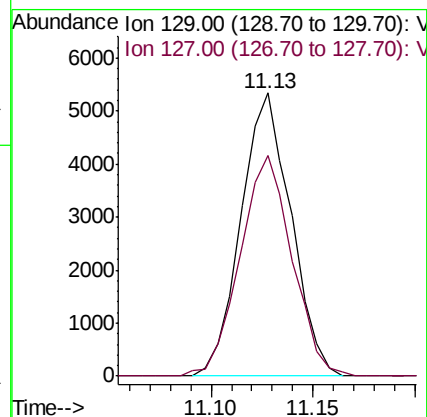
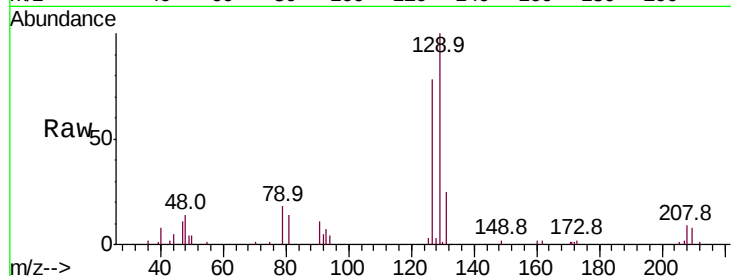
MDL03

Tot Ion:129 Resp: 9088

Ion Ratio Lower Upper

129 100

127 78.0 56.1 104.1



#51

1,2-Dibromoethane

Concen: 2.269 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

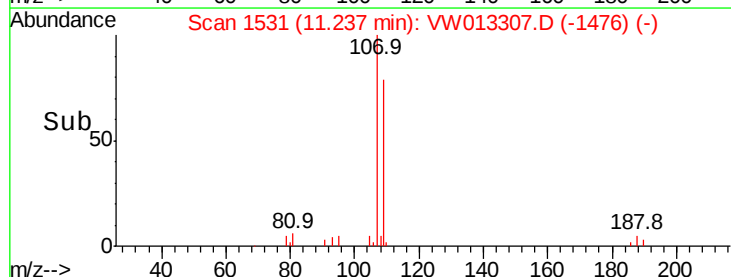
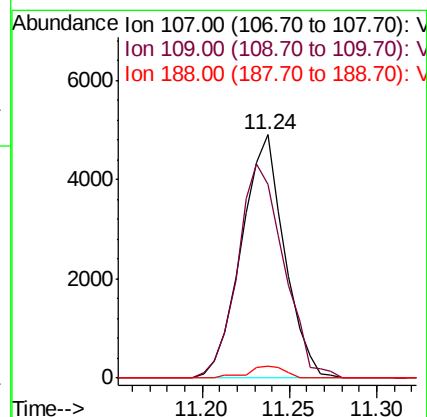
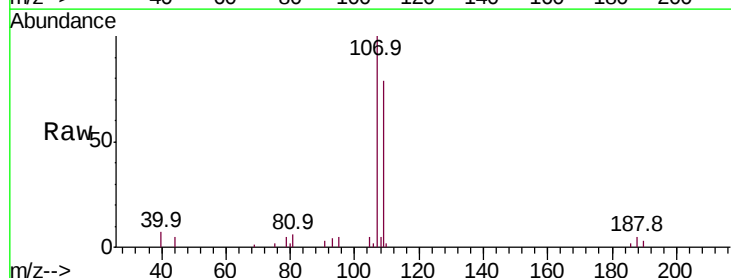
Tgt Ion:107 Resp: 8395

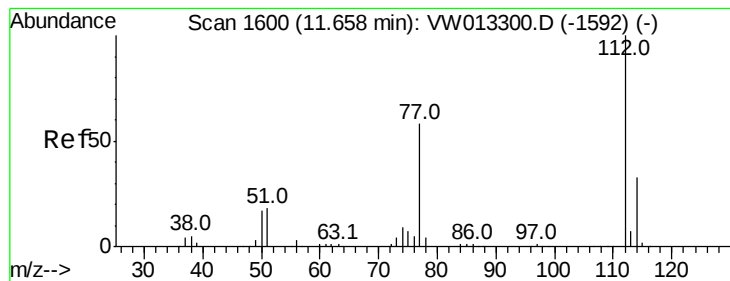
Ion Ratio Lower Upper

107 100

109 79.4 65.5 121.6

188 4.9 3.0 4.6#





#52

Chlorobenzene

Concen: 2.247 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

MDL03

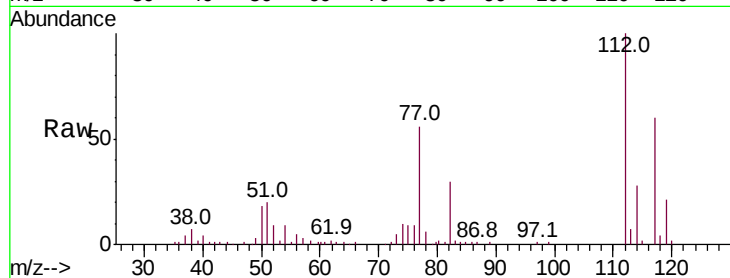
Tot Ion:112 Resp: 30110

Ion Ratio Lower Upper

112 100

77 55.7 46.5 69.7

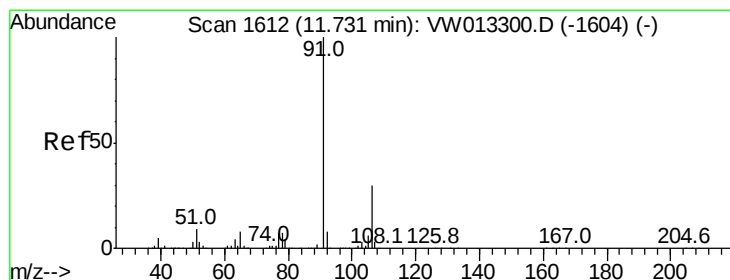
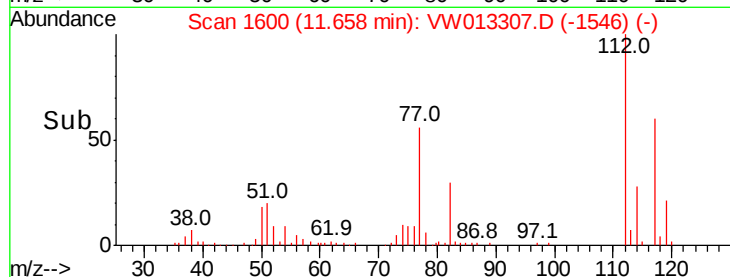
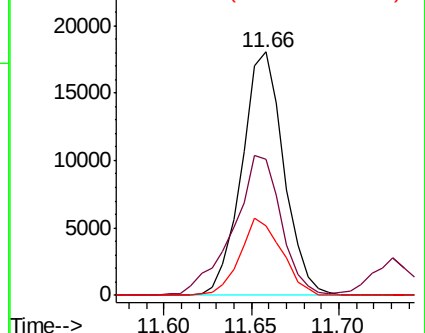
114 28.4 23.0 42.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 2.198 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013307.D

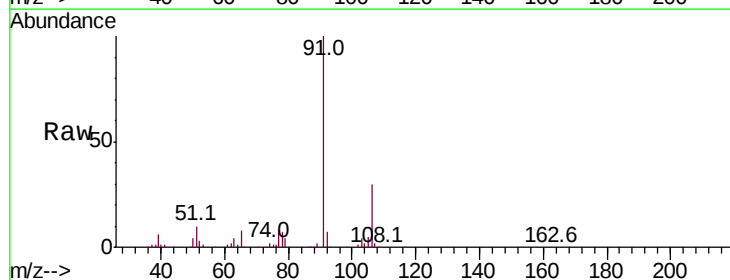
Acq: 26 Sep 2019 15:18

Tgt Ion: 91 Resp: 51830

Ion Ratio Lower Upper

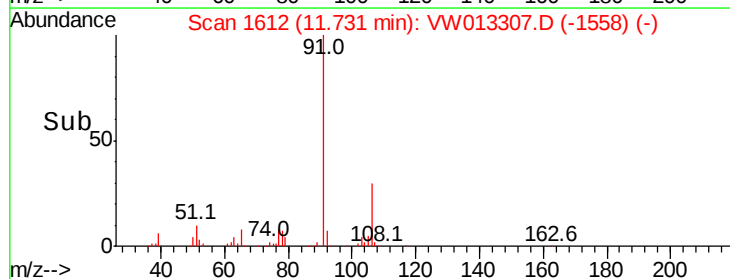
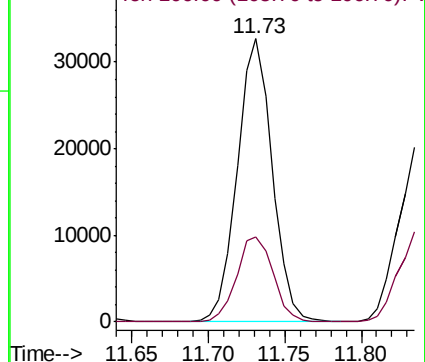
91 100

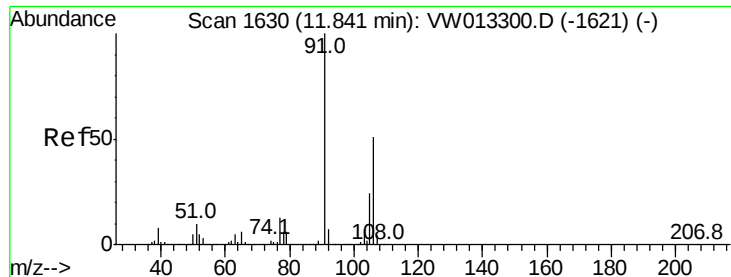
106 29.8 20.8 38.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 2.228 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

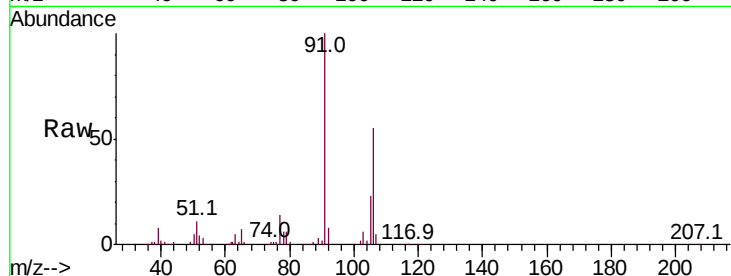
MDL03

Tot Ion:106 Resp: 20173

Ion Ratio Lower Upper

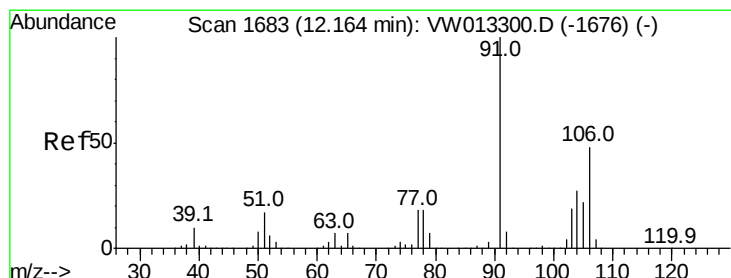
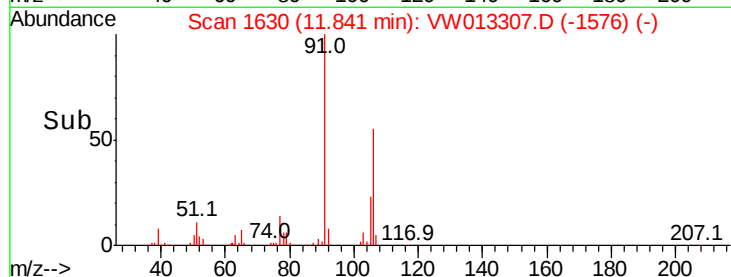
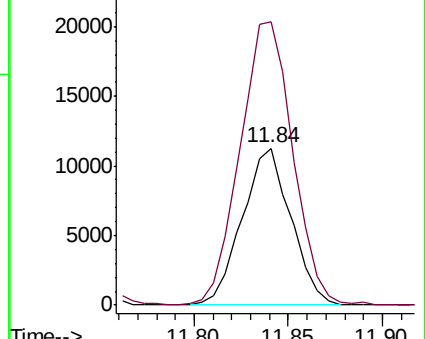
106 100

91 180.3 138.3 256.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 2.072 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW013307.D

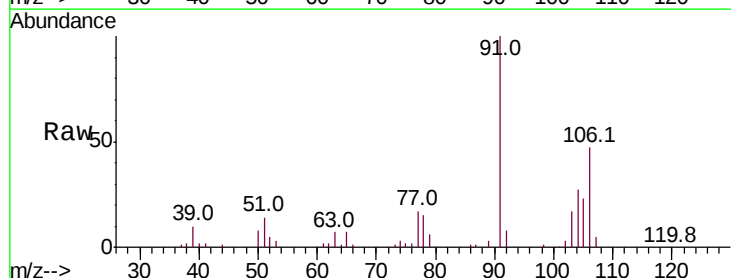
Acq: 26 Sep 2019 15:18

Tgt Ion:106 Resp: 17698

Ion Ratio Lower Upper

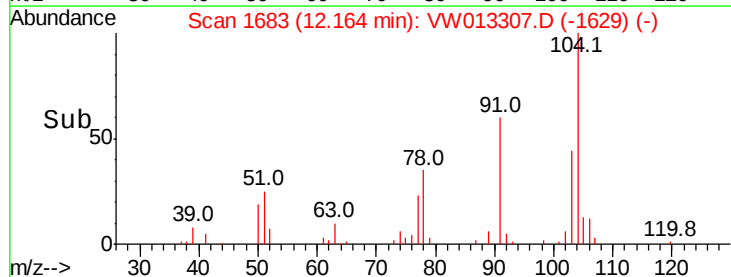
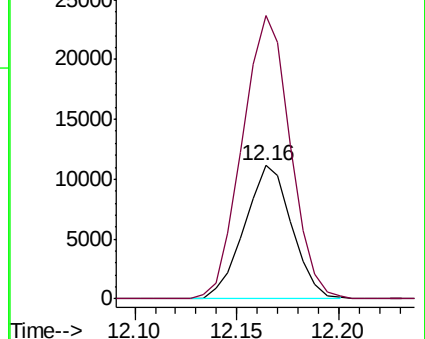
106 100

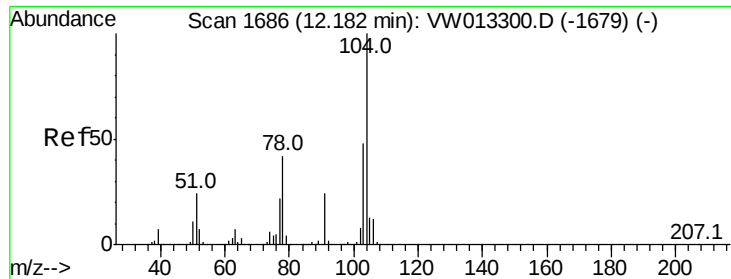
91 211.9 145.9 271.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Stvrene

Concen: 2.055 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

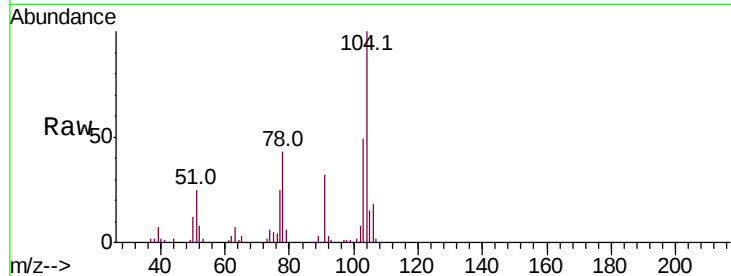
MDL03

Tot Ion:104 Resp: 30109

Ion Ratio Lower Upper

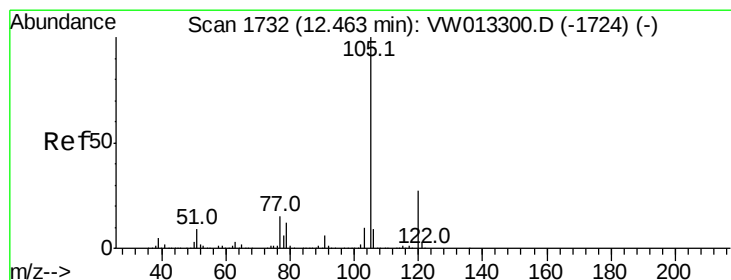
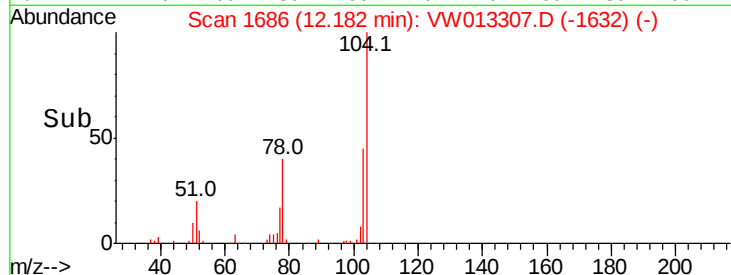
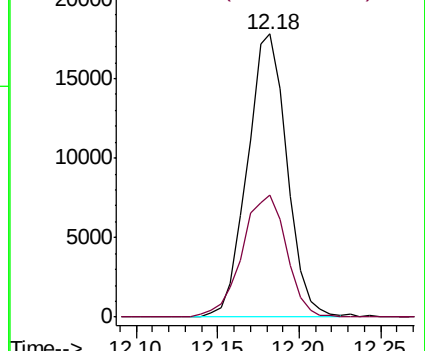
104 100

78 43.2 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: 2.127 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

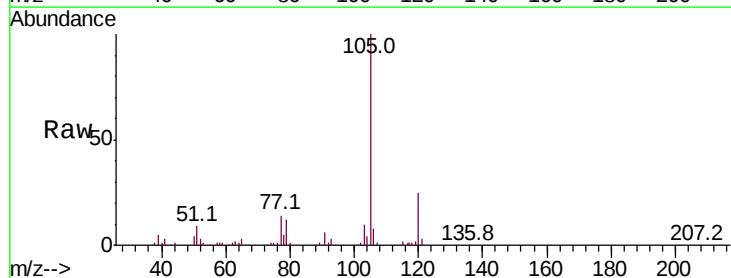
Tgt Ion:105 Resp: 49139

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.2

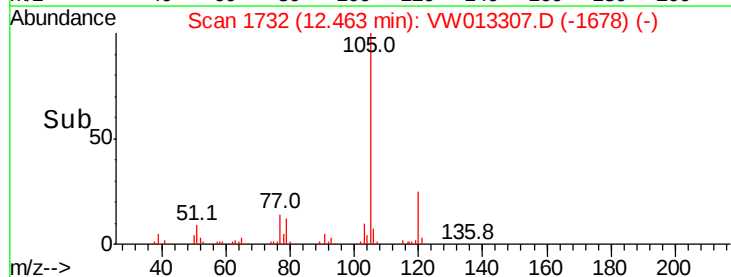
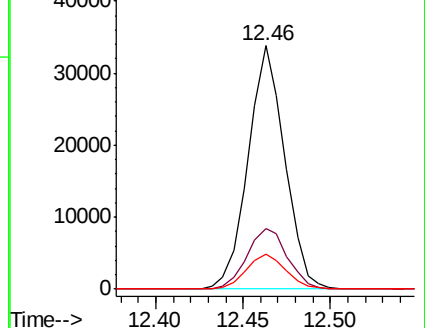
77 15.6 11.8 17.6

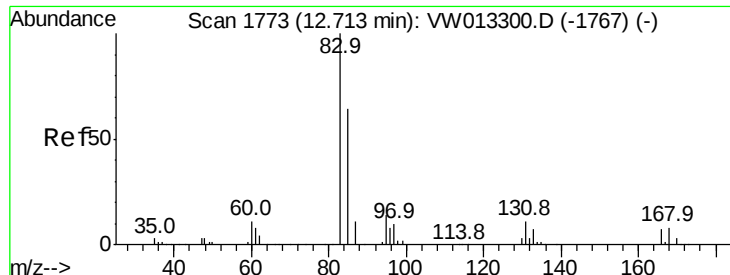


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW





#58

1,1,2,2-Tetrachloroethane

Concen: 2.387 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampled :

MDL03

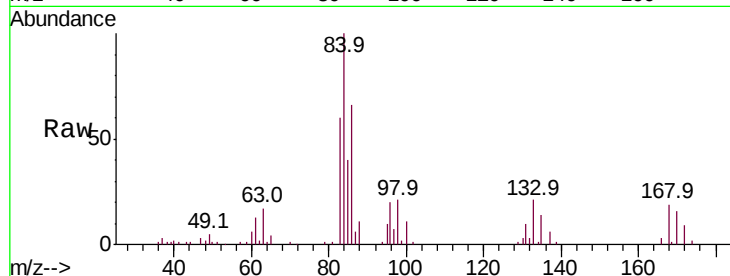
Tot Ion: 83 Resp: 11076

Ion Ratio Lower Upper

83 100

85 66.2 45.2 84.0

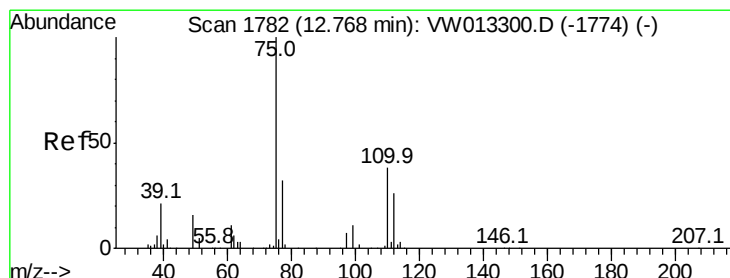
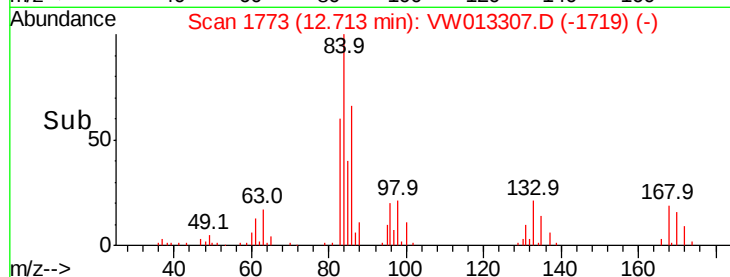
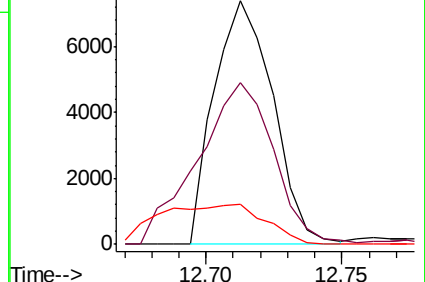
131 16.4 8.9 13.3#



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): VW



#59

1,2,3-Trichloropropane

Concen: 2.466 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013307.D

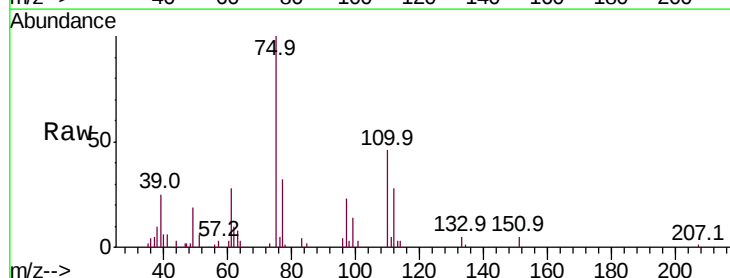
Acq: 26 Sep 2019 15:18

Tgt Ion: 75 Resp: 8537

Ion Ratio Lower Upper

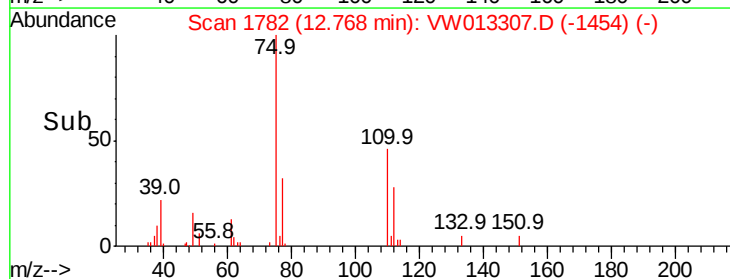
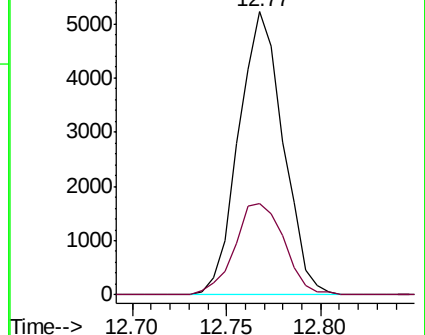
75 100

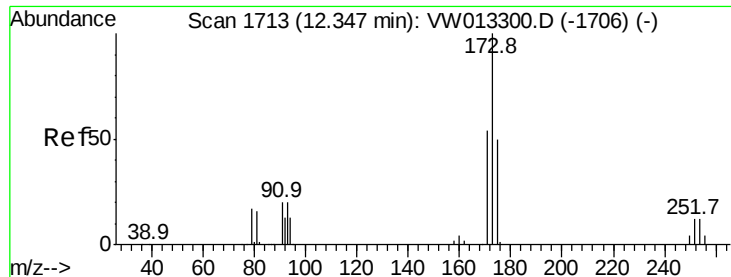
77 36.0 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#62

Bromoform

Concen: 2.119 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

MDL03

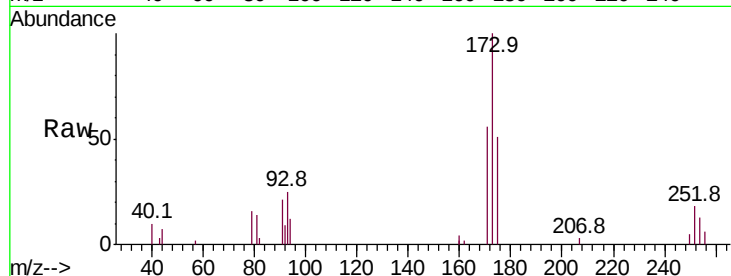
Tot Ion:173 Resp: 5740

Ion Ratio Lower Upper

173 100

175 55.6 39.3 58.9

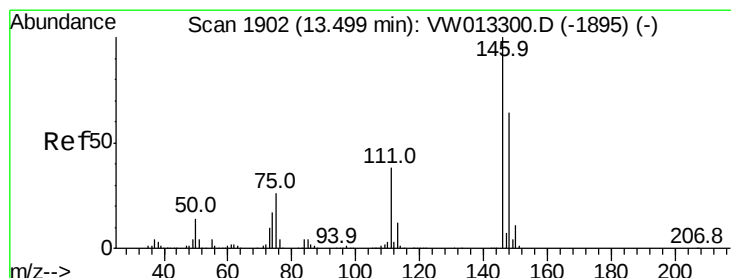
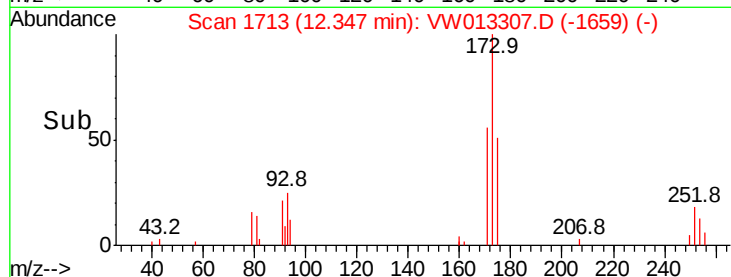
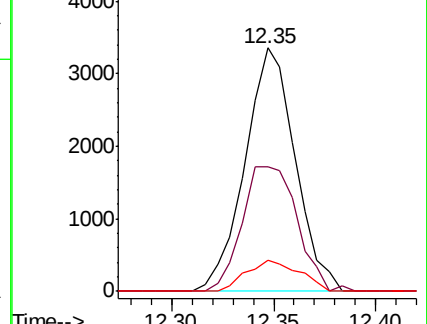
254 13.2 9.1 13.7



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 2.247 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

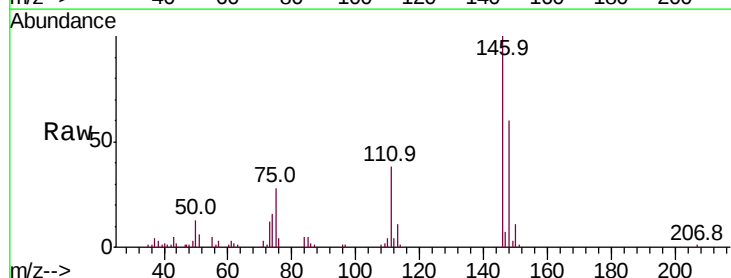
Tgt Ion:146 Resp: 23678

Ion Ratio Lower Upper

146 100

111 38.4 26.7 49.5

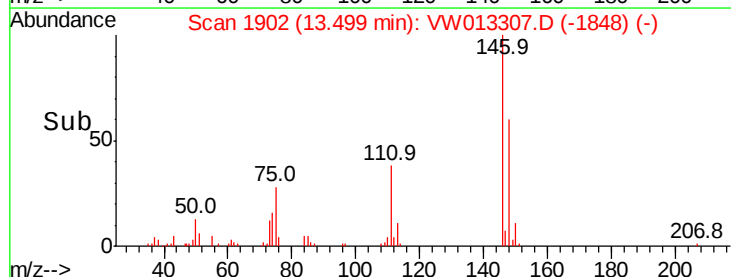
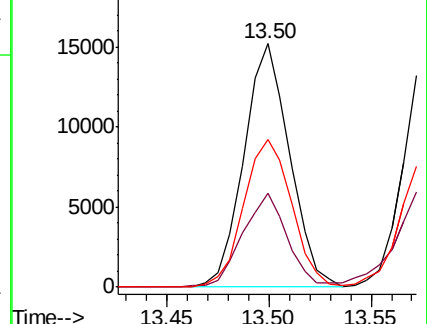
148 60.4 45.0 83.6

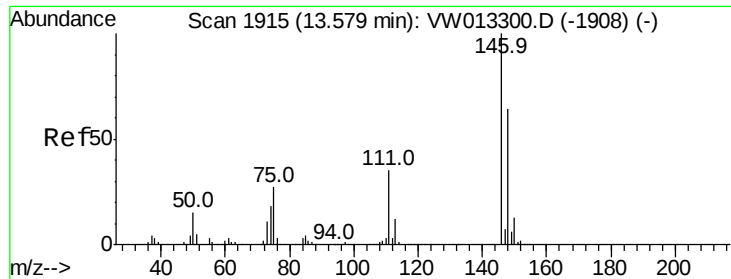


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 2.284 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

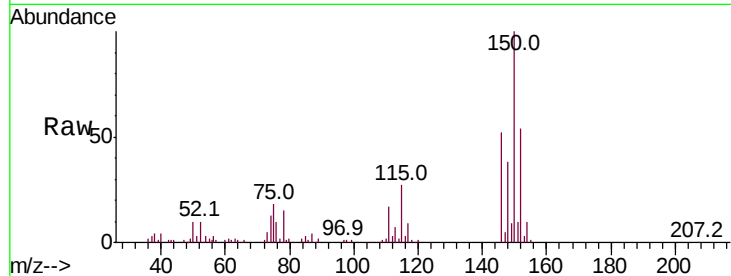
MDL03

Tot Ion:146 Resp: 24317

Ion	Ratio	Lower	Upper
146	100		
111	32.1	24.2	45.0
148	72.0	45.1	83.7

111 32.1 24.2 45.0

148 72.0 45.1 83.7

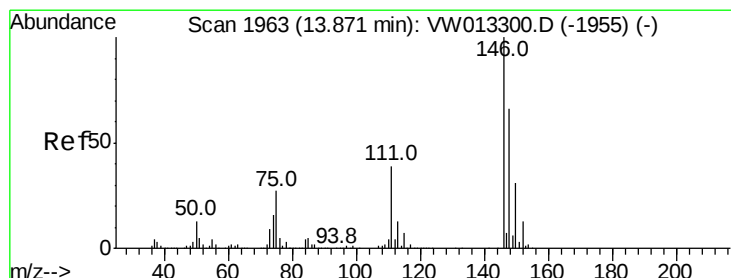
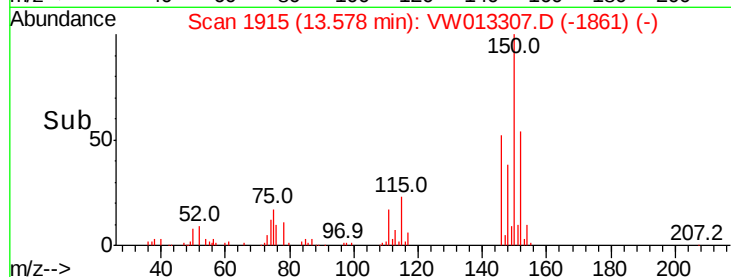
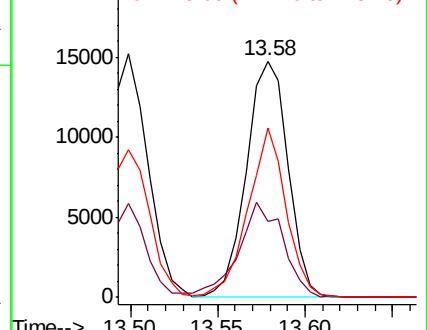


Abundance

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



#65

1,2-Dichlorobenzene

Concen: 2.347 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013307.D

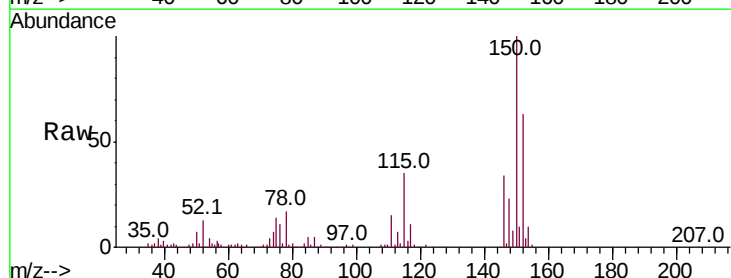
Acq: 26 Sep 2019 15:18

Tgt Ion:146 Resp: 22501

Ion	Ratio	Lower	Upper
146	100		
111	44.1	30.8	46.2
148	67.0	52.5	78.7

111 44.1 30.8 46.2

148 67.0 52.5 78.7

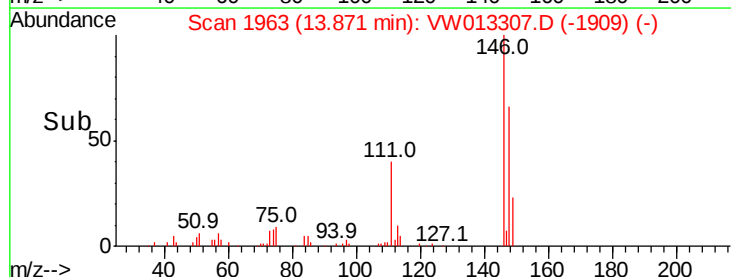
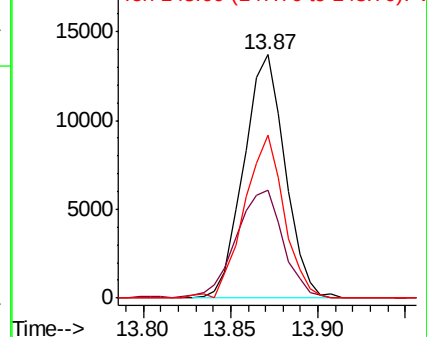


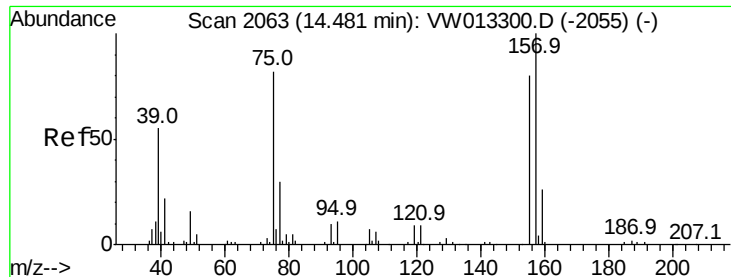
Abundance

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

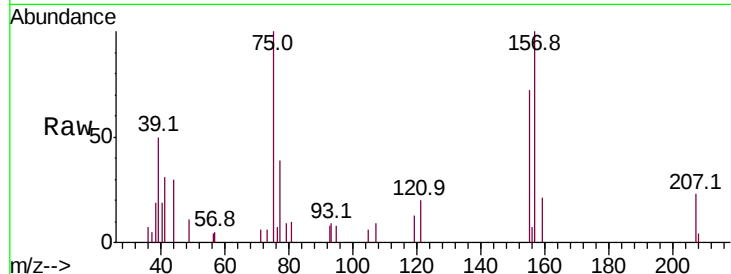




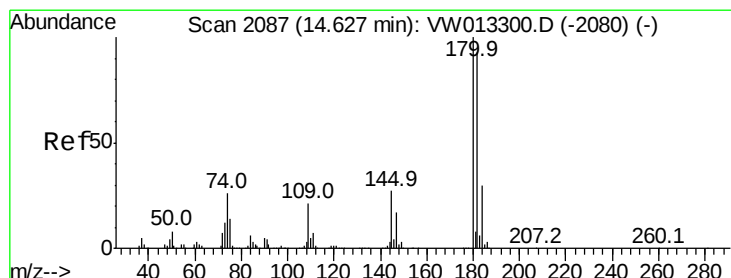
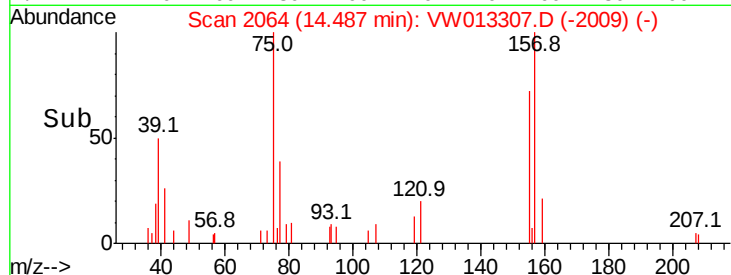
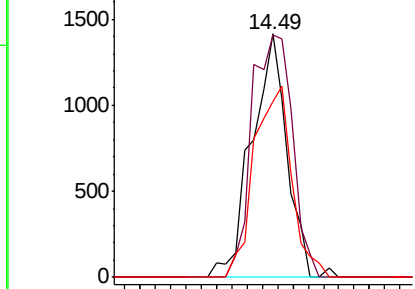
#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.019 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013307.D
 Acq: 26 Sep 2019 15:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL03

Tot Ion: 75 Resp: 2279
 Ion Ratio Lower Upper
 75 100
 157 99.7 97.8 146.8
 155 72.0 78.4 117.6#

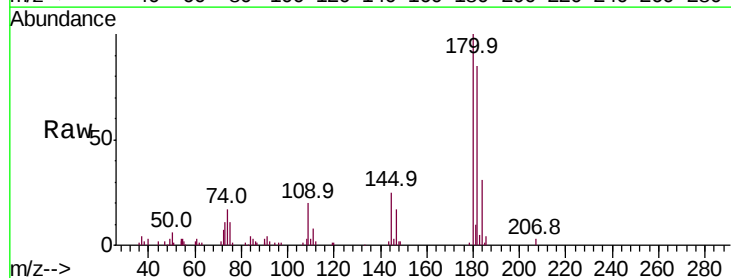


Abundance Ion 75.00 (74.70 to 75.70): VW
 Ion 157.00 (156.70 to 157.70): V
 Ion 155.00 (154.70 to 155.70): V

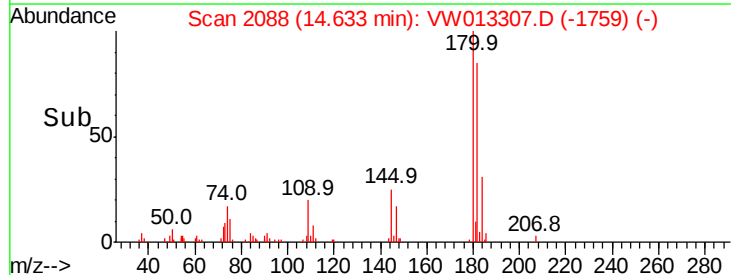
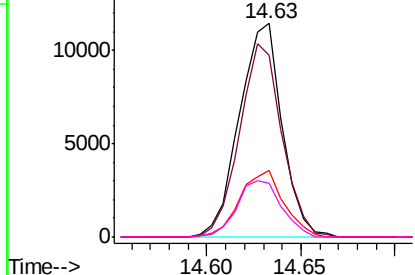


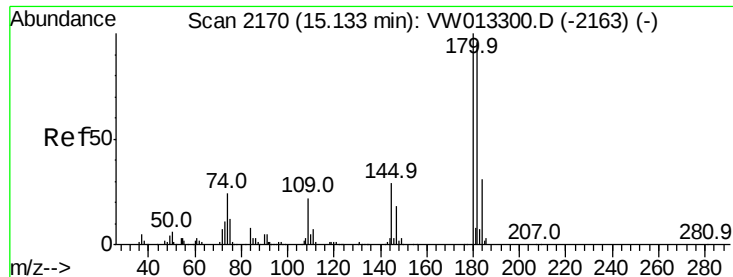
#67
 1,3,5-Trichlorobenzene
 Concen: 2.222 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW013307.D
 Acq: 26 Sep 2019 15:18

Tgt Ion:180 Resp: 18028
 Ion Ratio Lower Upper
 180 100
 182 89.7 76.4 114.6
 184 32.0 23.9 35.9
 145 27.7 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: 1.938 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

MDL03

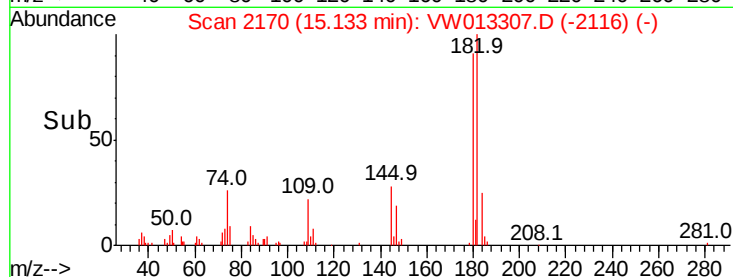
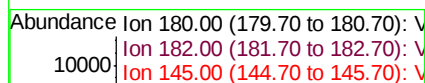
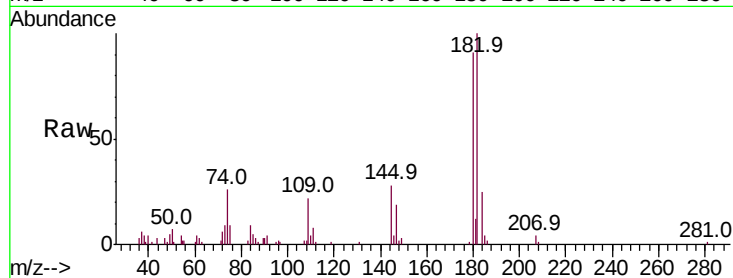
Tot Ion:180 Resp: 12549

Ion Ratio Lower Upper

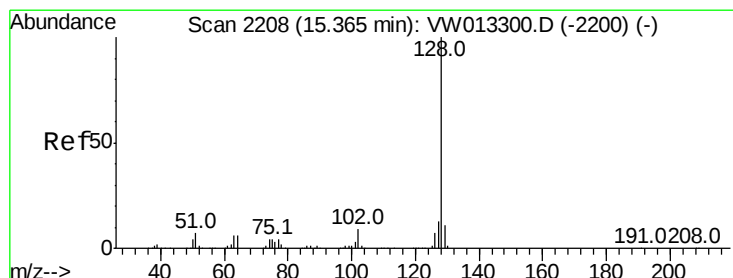
180 100

182 101.7 75.9 113.9

145 29.6 23.0 34.4



Time-->



#69

Naphthalene

Concen: 1.908 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013307.D

Acq: 26 Sep 2019 15:18

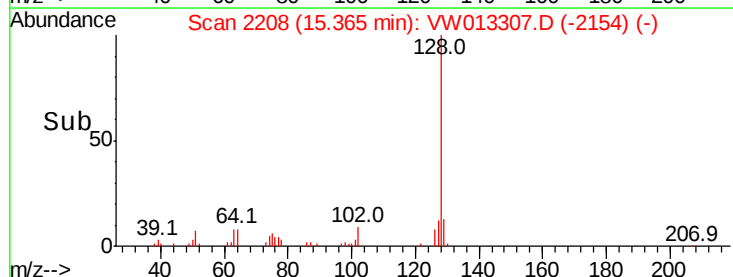
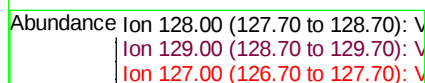
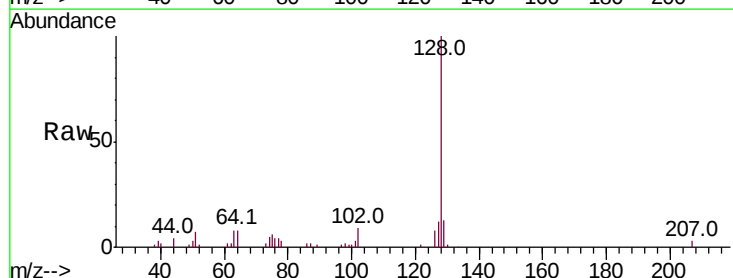
Tgt Ion:128 Resp: 23600

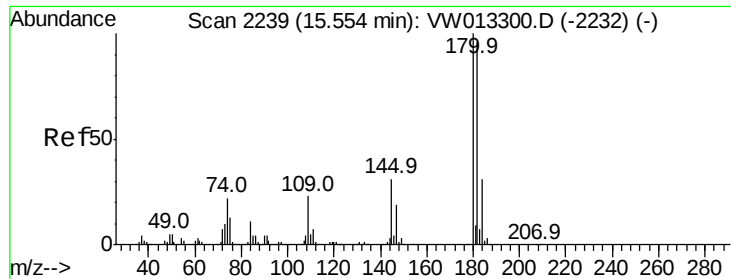
Ion Ratio Lower Upper

128 100

129 12.5 8.7 13.1

127 13.4 10.6 15.8

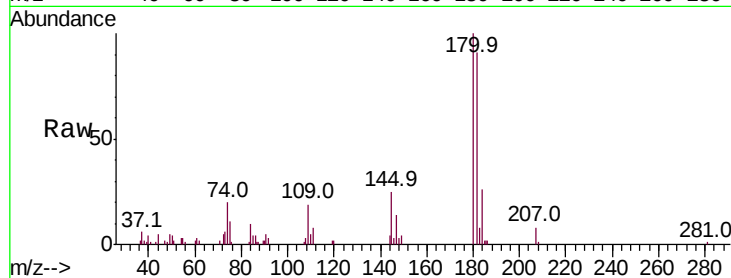




#70
 1,2,3-Trichlorobenzene
 Concen: 2.073 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. 0.01 min
 Lab File: VW013307.D
 Acq: 26 Sep 2019 15:18

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL03

Tot Ion:180 Resp: 12210
 Ion Ratio Lower Upper
 180 100
 182 97.5 78.2 117.4
 145 30.6 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

