

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092619\
 Data File : VW013308.D
 Acq On : 26 Sep 2019 17:00
 Operator : SY/VA
 Sample : MDL 2 PPB
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Quant Time: Sep 26 19:09:56 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	529521	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	478948	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	237785	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	151516	24.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.00%
7) Chloroethane-d5	2.89	69	119854	23.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.60%
10) 1,1-Dichloroethene-d2	4.01	63	227887	18.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.32%
20) 2-Butanone-d5	7.07	46	113552	52.03	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.06%
24) Chloroform-d	7.65	84	286898	24.03	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.12%
26) 1,2-Dichloroethane-d4	8.31	65	158727	24.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.44%
29) Benzene-d6	8.27	84	629259	24.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.80%
33) 1,2-Dichloropropane-d6	9.27	67	187414	24.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.72%
37) Toluene-d8	10.32	98	600443	24.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.08%
38) trans-1,3-Dichloropropene-	10.58	79	85416	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.12%
39) 2-Hexanone-d5	10.92	63	88162	51.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	164880	25.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	211513	24.90	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	4582	1.383	ug/L	85
3) Chloromethane	2.21	50	8427	1.898	ug/L	94
5) Vinyl chloride	2.36	62	11717	1.908	ug/L #	69
6) Bromomethane	2.78	94	7488	1.918	ug/L	98
8) Chloroethane	2.92	64	6992	1.877	ug/L	86
9) Trichlorofluoromethane	3.25	101	5977	1.570	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	13425	2.232	ug/L #	49
12) 1,1-Dichloroethene	4.04	96	13602	2.228	ug/L #	1
13) Acetone	4.12	43	10438	5.747	ug/L	94
14) Carbon disulfide	4.38	76	32320	1.865	ug/L	96
15) Methyl Acetate	4.66	43	7374	2.104	ug/L #	75
16) Methylene chloride	4.91	84	30830	3.897	ug/L	90
17) Methyl tert-butyl Ether	5.42	73	19428	1.840	ug/L #	80
18) trans-1,2-Dichloroethene	5.42	96	13153	2.015	ug/L	95
19) 1,1-Dichloroethane	6.21	63	22720	1.985	ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	13752	1.934	ug/L	83
23) Bromochloromethane	7.51	128	6370	1.990	ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092619\
 Data File : VW013308.D
 Acq On : 26 Sep 2019 17:00
 Operator : SY/VA
 Sample : MDL 2 PPB
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Quant Time: Sep 26 19:09:56 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)

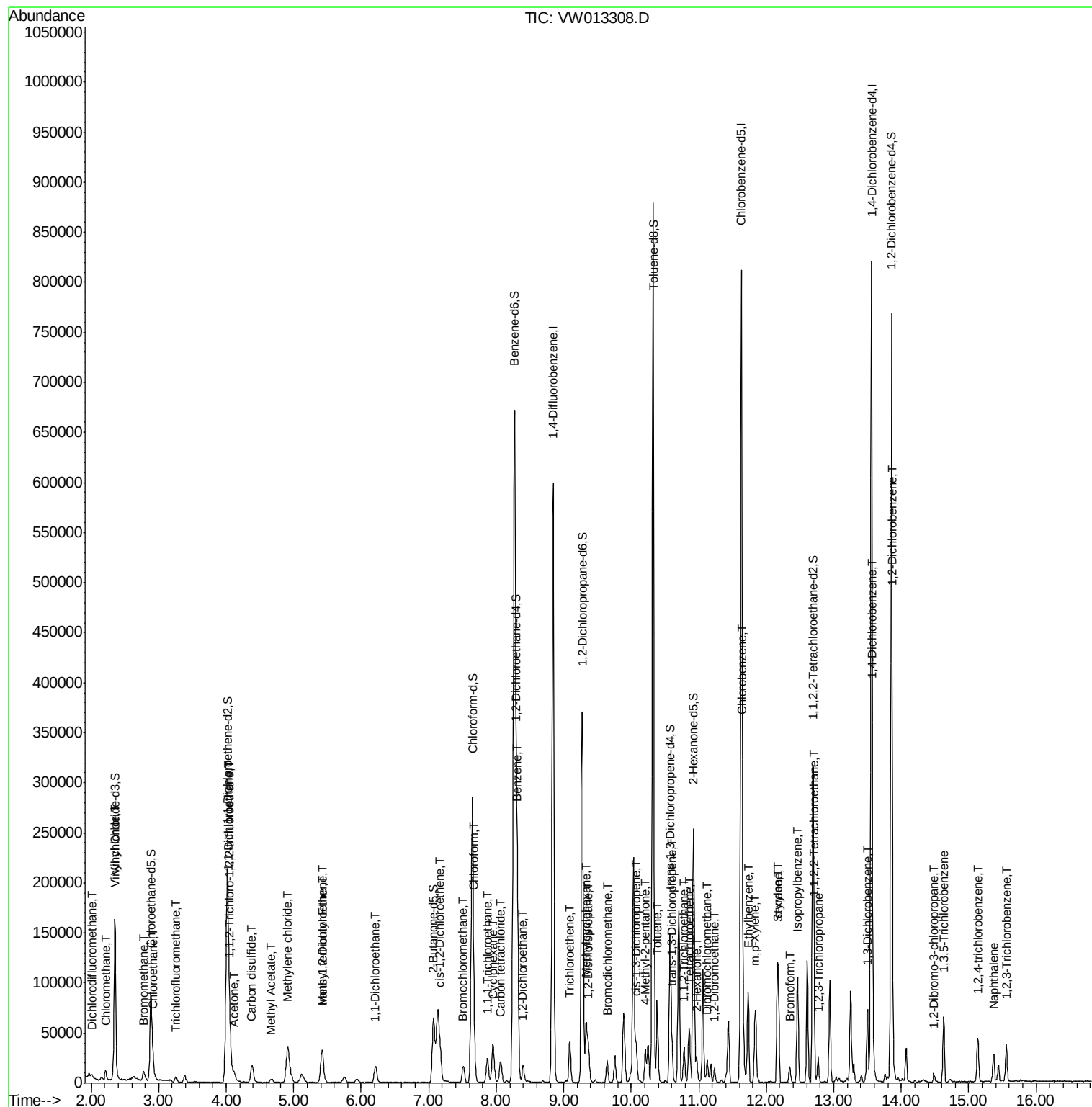
25) Chloroform	7.67	83	23902	2.124	ug/L	99
27) 1,2-Dichloroethane	8.39	62	15794	2.144	ug/L #	94
30) Cyclohexane	7.95	56	20860	1.813	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	18639	2.028	ug/L	97
32) Carbon tetrachloride	8.07	117	16766	1.913	ug/L #	2
34) Benzene	8.32	78	54133	2.016	ug/L	100
35) Trichloroethene	9.09	95	13716	1.944	ug/L	97
36) Methylcyclohexane	9.34	83	23208	1.847	ug/L	95
40) 1,2-Dichloropropane	9.37	63	12849	1.945	ug/L	99
41) Bromodichloromethane	9.64	83	15655	1.931	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	21119	2.001	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	23097	4.567	ug/L	98
44) Toluene	10.38	91	60728	2.077	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	19811	2.336	ug/L	98
46) 1,1,2-Trichloroethane	10.78	97	10610	2.050	ug/L	94
47) Tetrachloroethene	10.86	164	12399	1.953	ug/L	96
49) 2-Hexanone	10.97	43	13838	3.807	ug/L	91
50) Dibromochloromethane	11.13	129	11582	1.951	ug/L	93
51) 1,2-Dibromoethane	11.24	107	10082	1.983	ug/L	96
52) Chlorobenzene	11.65	112	37448	2.033	ug/L	94
53) Ethylbenzene	11.73	91	65556	2.023	ug/L	97
54) m,p-Xylene	11.84	106	25049	2.013	ug/L	90
55) o-xylene	12.16	106	22910	1.951	ug/L	94
56) Styrene	12.18	104	38549	1.915	ug/L	91
57) Isopropylbenzene	12.46	105	61868	1.949	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	12425	1.949	ug/L #	96
59) 1,2,3-Trichloropropane	12.77	75	9727	2.044	ug/L	94
62) Bromoform	12.35	173	7418	1.972	ug/L #	96
63) 1,3-Dichlorobenzene	13.50	146	30185	2.063	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	30724	2.078	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	27333	2.053	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	2255	2.151	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	21707	1.927	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	15114	1.681	ug/L	96
69) Naphthalene	15.37	128	25371	1.477	ug/L #	96
70) 1,2,3-Trichlorobenzene	15.55	180	14023	1.714	ug/L	99

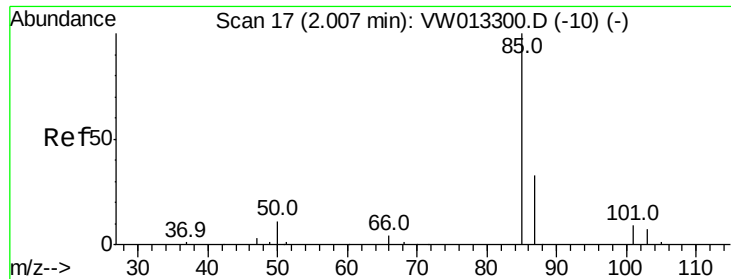
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092619\
Data File : VW013308.D
Acq On : 26 Sep 2019 17:00
Operator : SY/VA
Sample : MDL 2 PPB
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Quant Time: Sep 26 19:09:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092619S.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 12:57:49 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.383 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

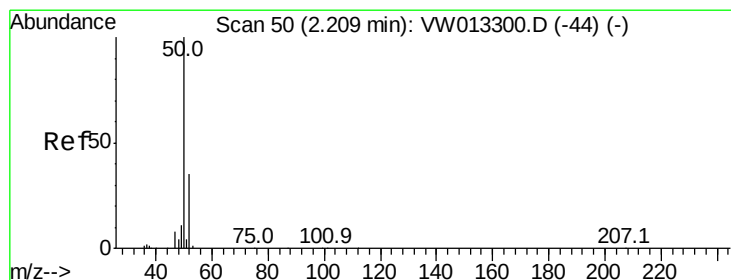
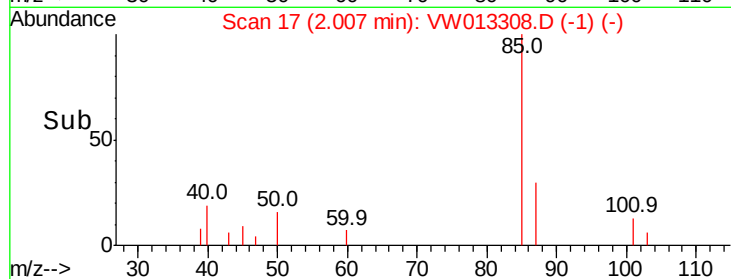
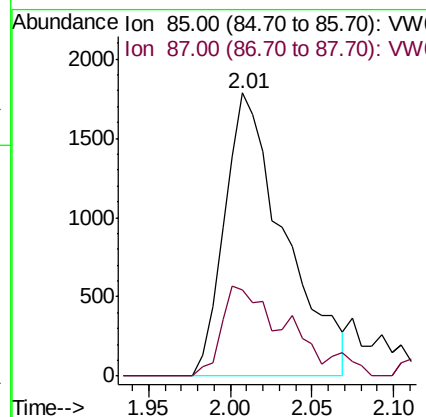
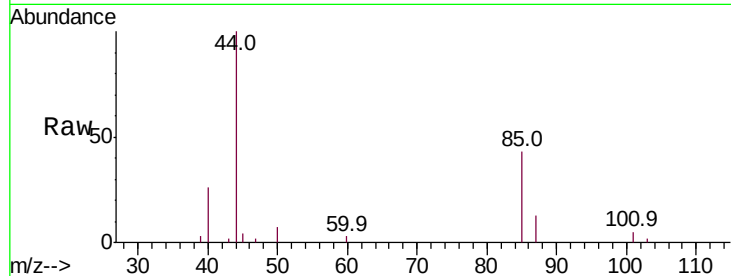
MDL04

Tot Ion: 85 Resp: 4582

Ion Ratio Lower Upper

85 100

87 22.5 21.3 39.6



#3

Chloromethane

Concen: 1.898 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013308.D

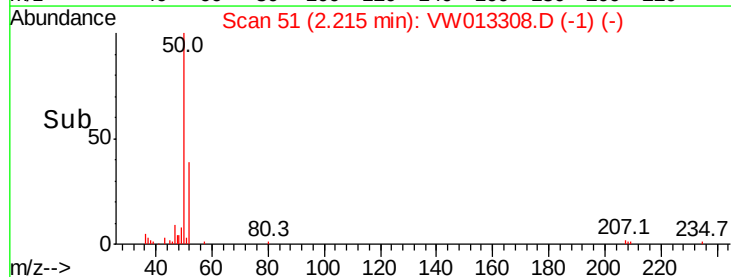
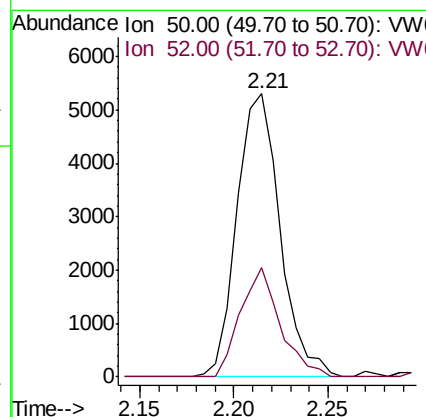
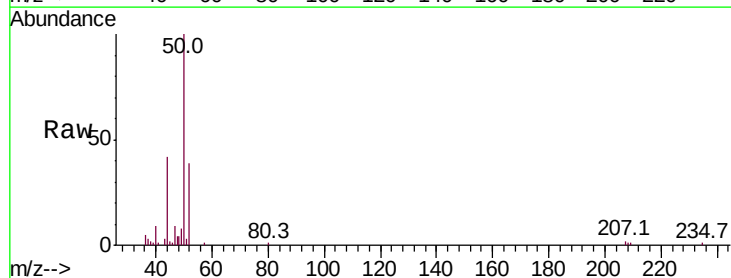
Acq: 26 Sep 2019 17:00

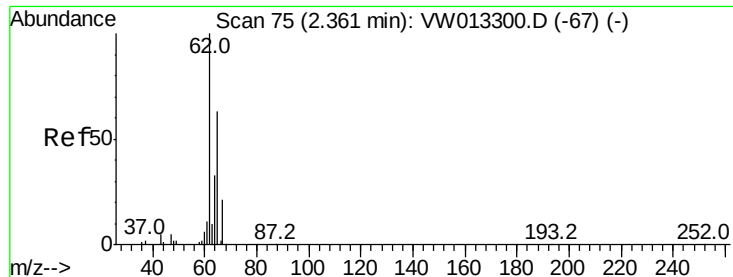
Tgt Ion: 50 Resp: 8427

Ion Ratio Lower Upper

50 100

52 38.5 24.4 45.4





#5

Vinyl chloride

Concen: 1.908 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

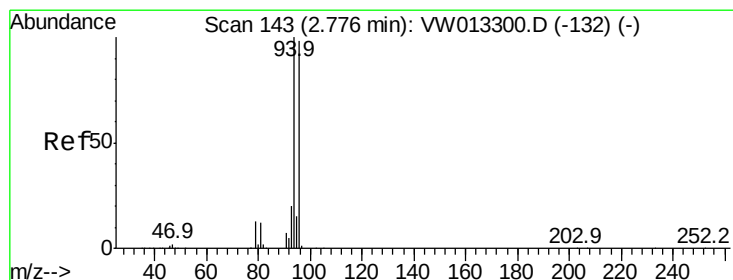
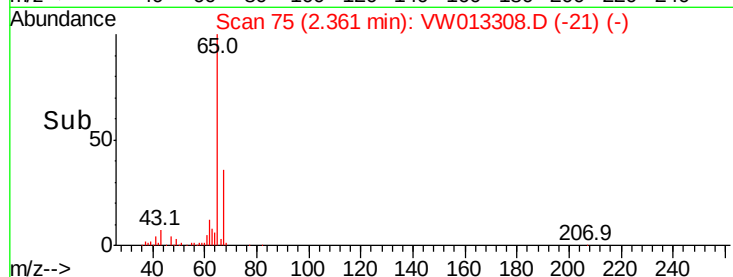
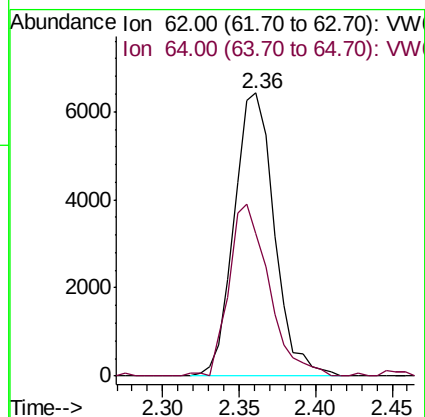
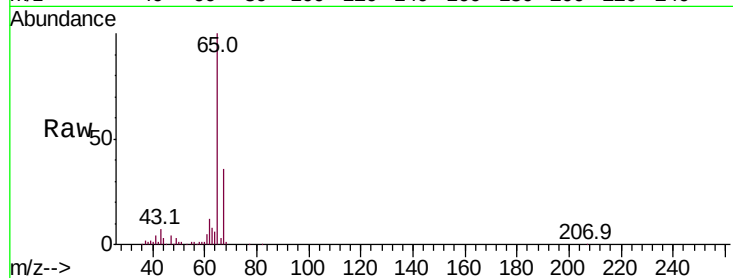
MDL04

Tot Ion: 62 Resp: 11717

Ion Ratio Lower Upper

62 100

64 50.5 23.2 43.0#



#6

Bromomethane

Concen: 1.918 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW013308.D

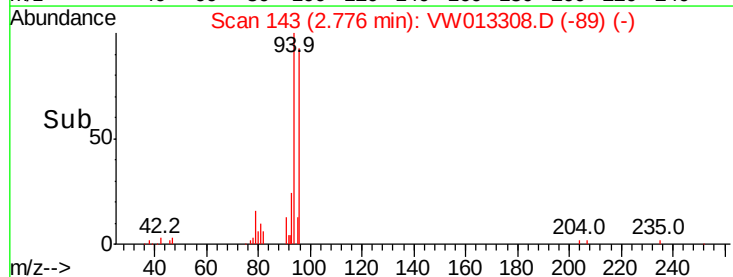
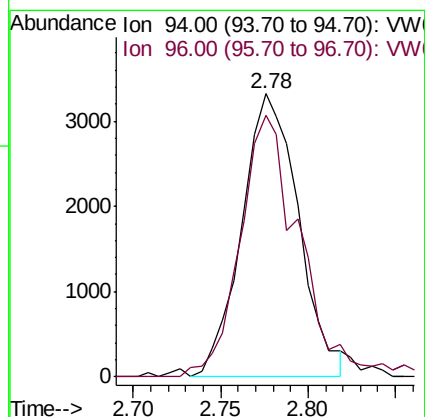
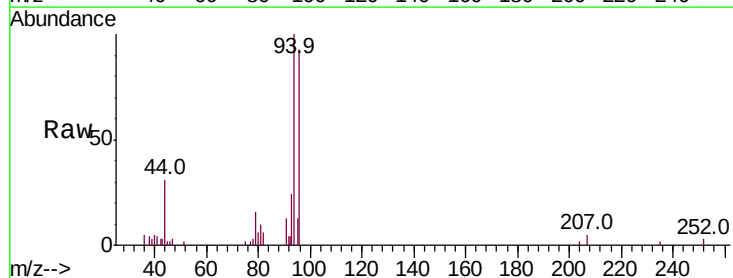
Acq: 26 Sep 2019 17:00

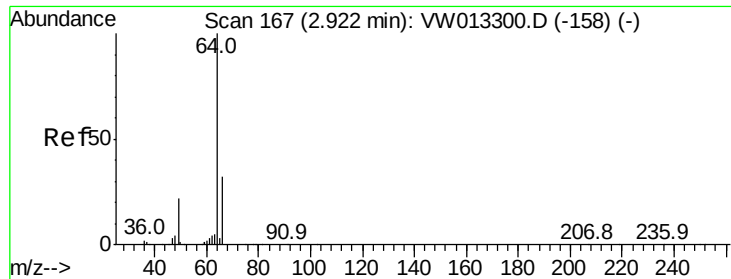
Tgt Ion: 94 Resp: 7488

Ion Ratio Lower Upper

94 100

96 95.4 9.7 184.3





#8

Chloroethane

Concen: 1.877 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

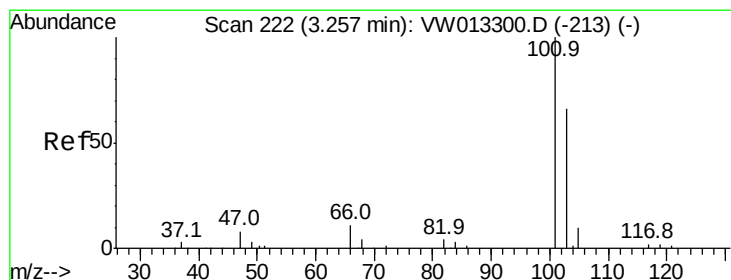
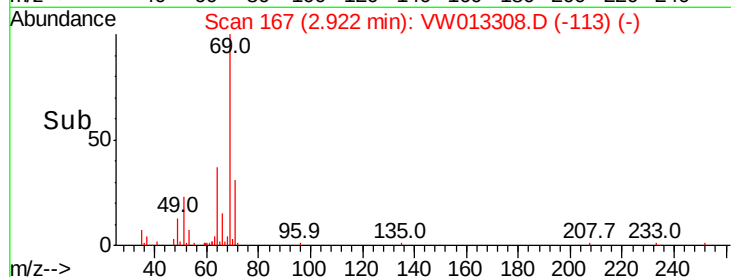
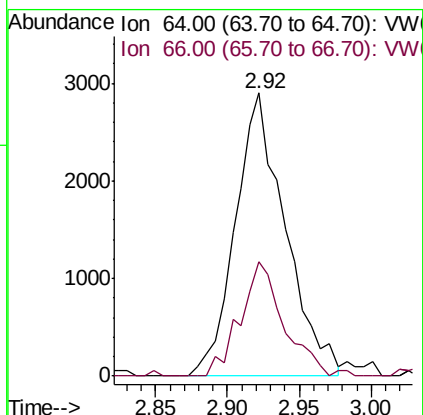
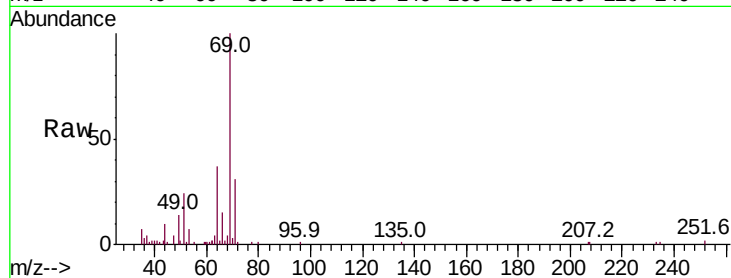
MDL04

Tot Ion: 64 Resp: 6992

Ion Ratio Lower Upper

64 100

66 40.4 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: VW013308.D

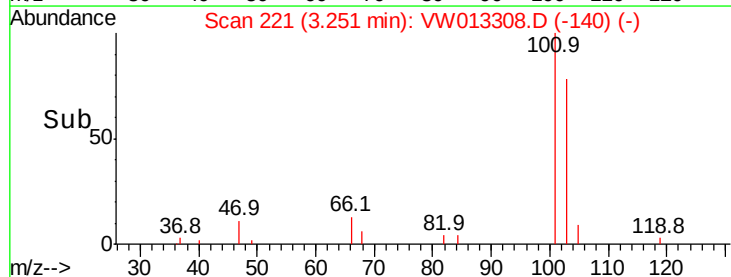
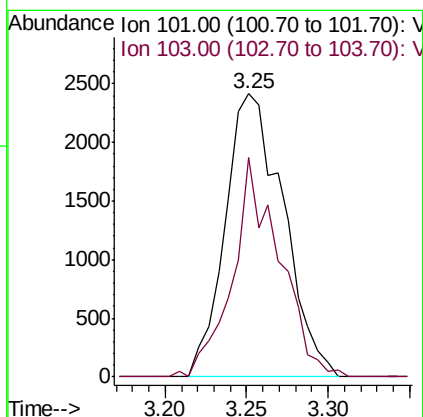
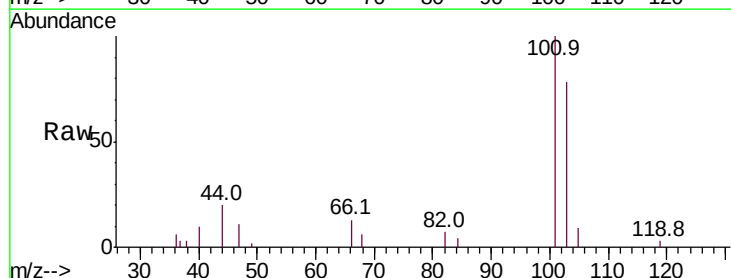
Acq: 26 Sep 2019 17:00

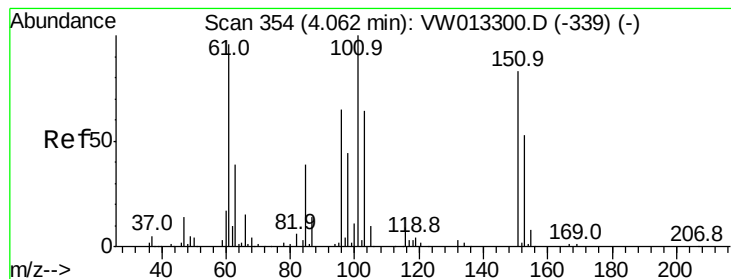
Tgt Ion: 101 Resp: 5977

Ion Ratio Lower Upper

101 100

103 62.3 45.2 84.0





#11

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

Concen: 2.232 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

MDL04

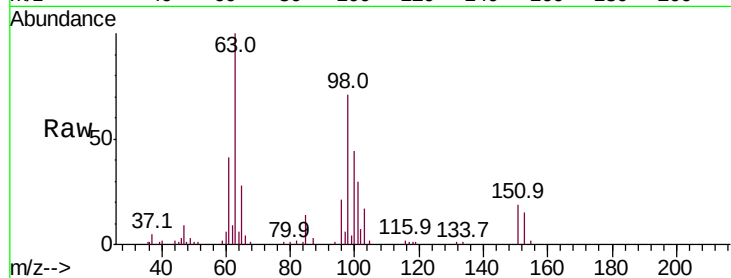
Tot Ion:101 Resp: 13425

Ion Ratio Lower Upper

101 100

85 19.2 31.8 47.8#

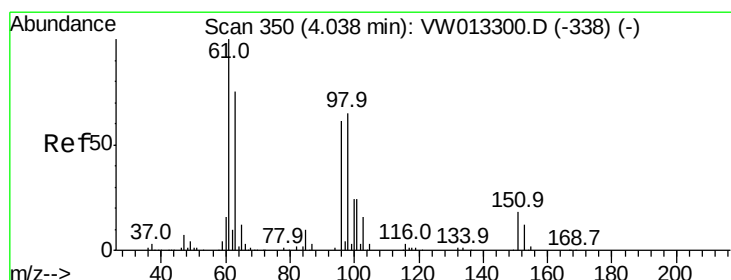
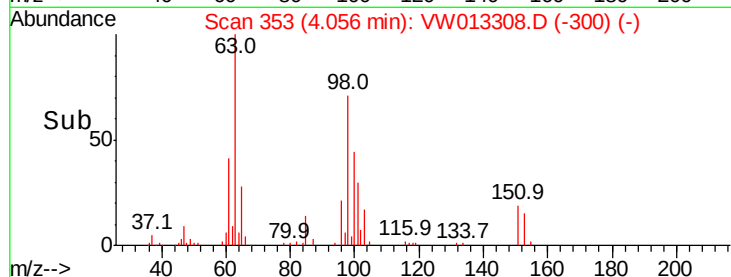
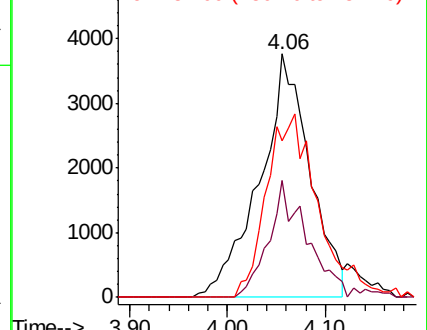
151 28.7 65.4 98.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.228 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

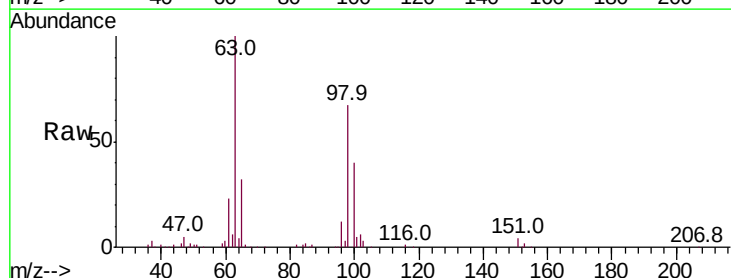
Tgt Ion: 96 Resp: 13602

Ion Ratio Lower Upper

96 100

61 193.0 115.9 215.3

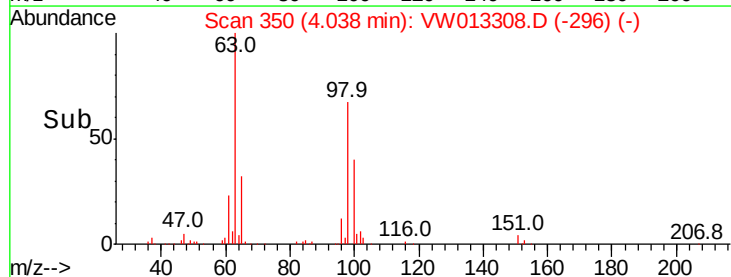
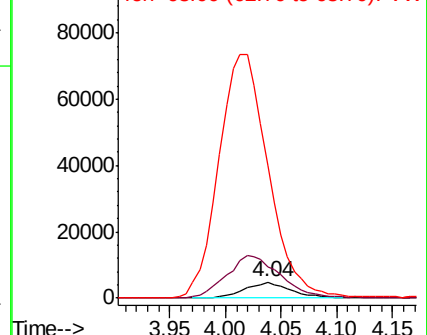
63 825.6 88.9 165.1#

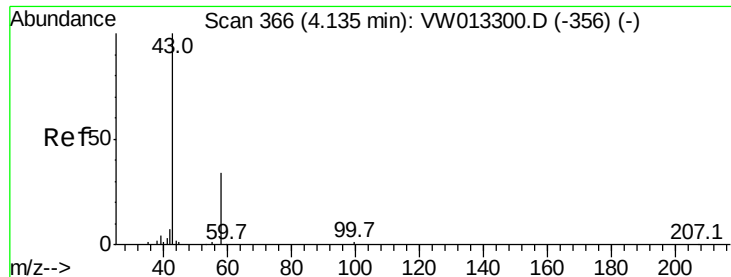


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 5.747 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

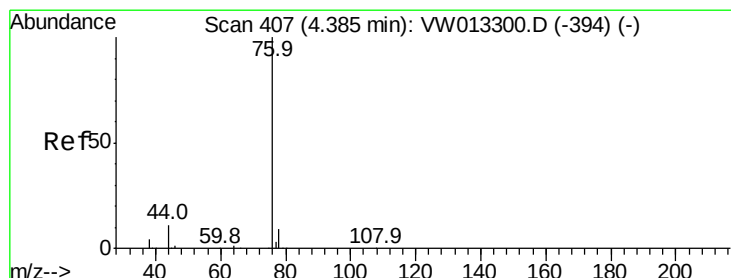
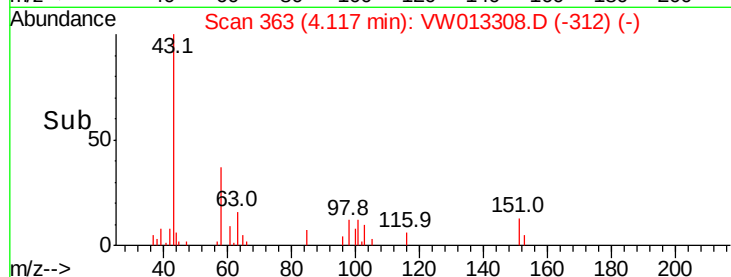
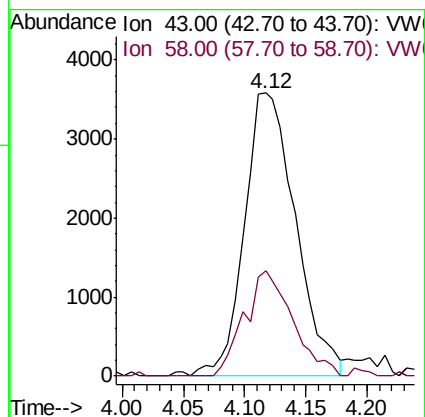
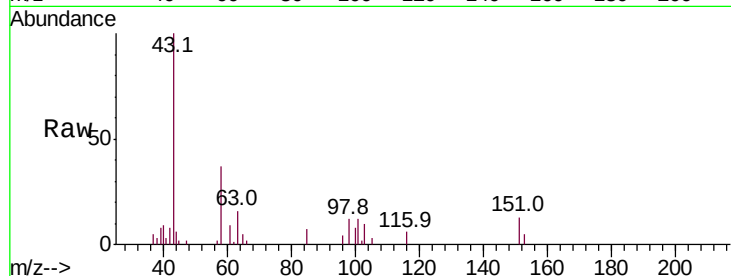
MDL04

Tot Ion: 43 Resp: 10438

Ion Ratio Lower Upper

43 100

58 35.1 0.0 63.2



#14

Carbon disulfide

Concen: 1.865 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW013308.D

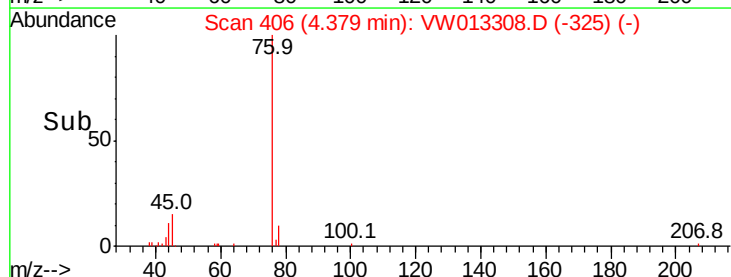
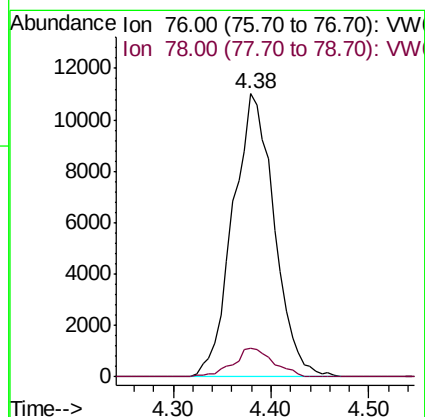
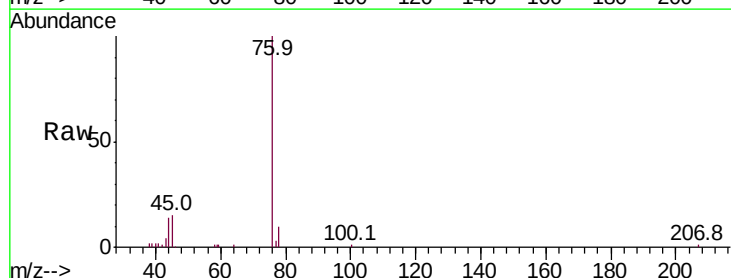
Acq: 26 Sep 2019 17:00

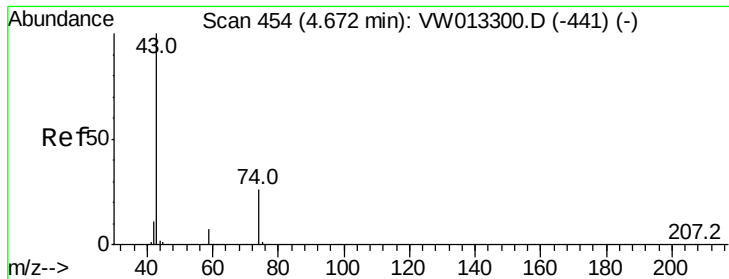
Tgt Ion: 76 Resp: 32320

Ion Ratio Lower Upper

76 100

78 10.3 7.2 10.8





#15

Methyl Acetate

Concen: 2.104 ug/L

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampleID :

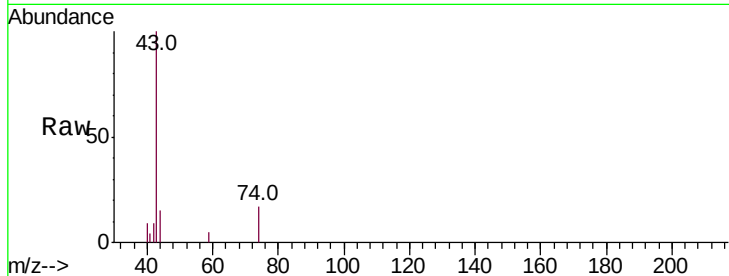
MDL04

Tot Ion: 43 Resp: 7374

Ion Ratio Lower Upper

43 100

74 11.3 18.7 28.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.66

2500

2000

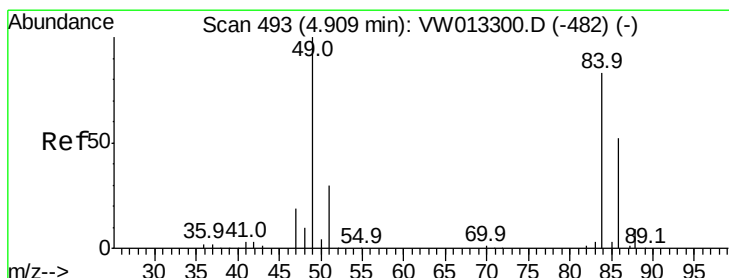
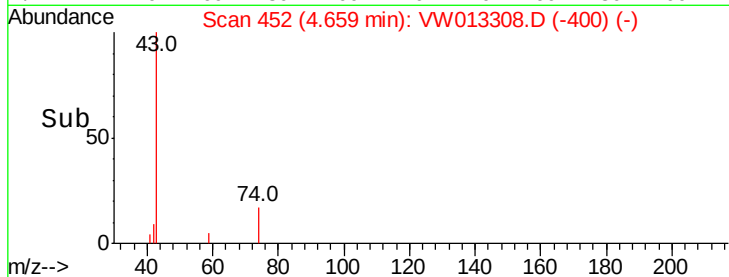
1500

1000

500

0

Time--> 4.55 4.60 4.65 4.70 4.75



#16

Methylene chloride

Concen: 3.897 ug/L

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

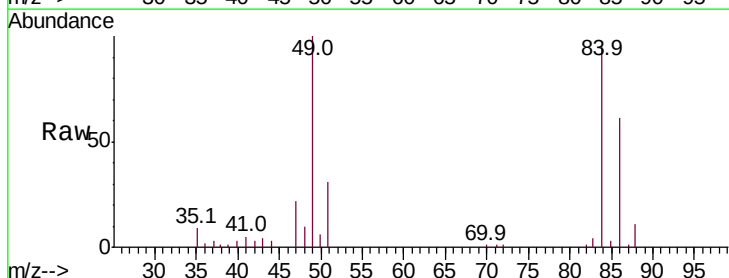
Tgt Ion: 84 Resp: 30830

Ion Ratio Lower Upper

84 100

49 105.4 84.8 157.4

86 63.9 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

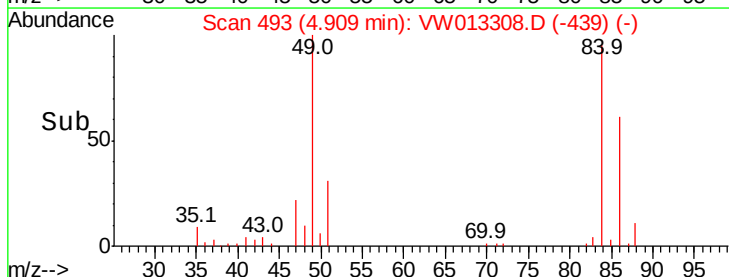
15000

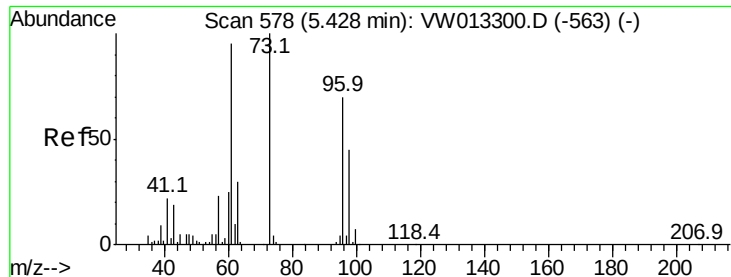
10000

5000

0

Time--> 4.80 4.90 5.00

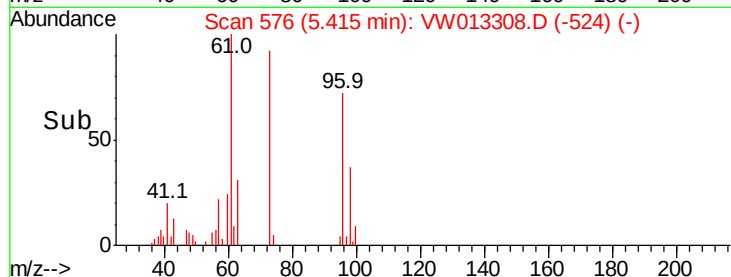
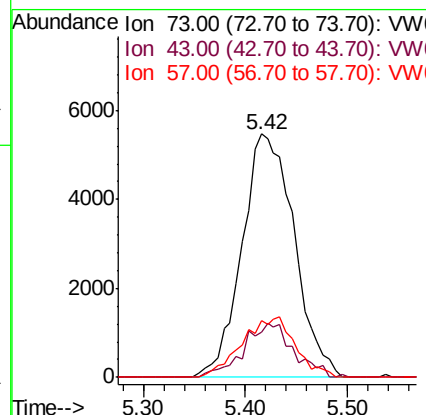
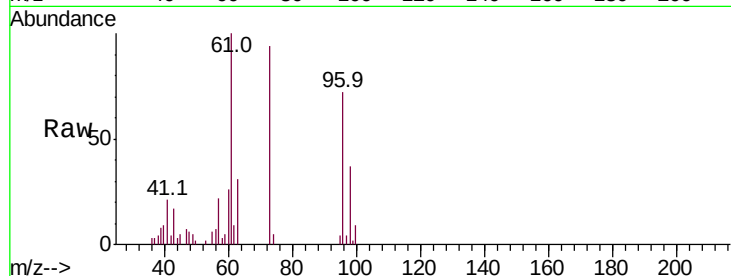




#17
Methyl tert-butyl Ether
Concen: 1.840 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

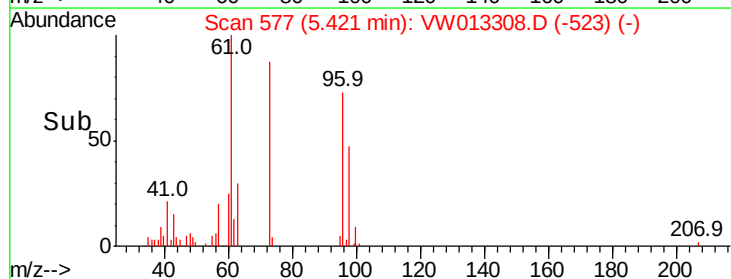
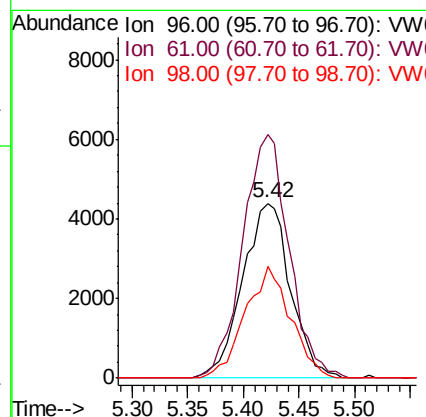
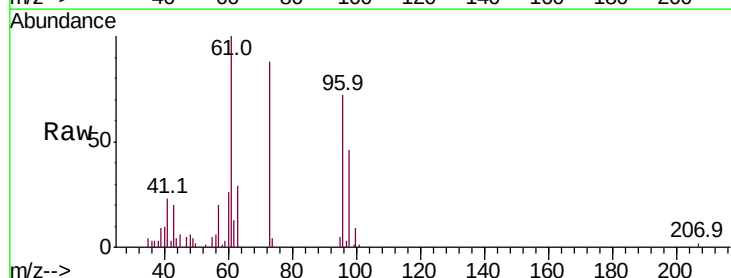
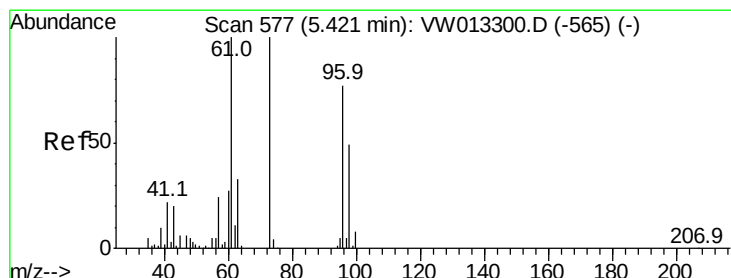
Instrument :
MSVOA_W
ClientSampled :
MDL04

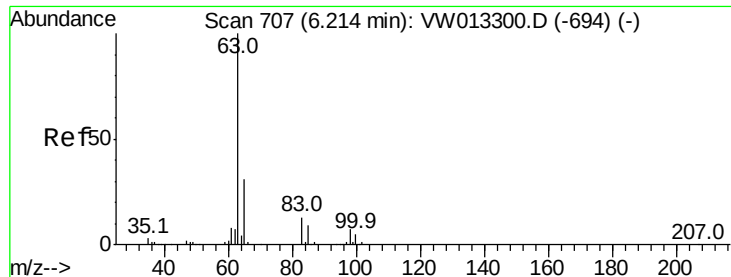
Tot Ion: 73 Resp: 19428
Ion Ratio Lower Upper
73 100
43 9.9 15.3 22.9#
57 13.5 18.2 27.4#



#18
trans-1,2-Dichloroethene
Concen: 2.015 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

Tgt Ion: 96 Resp: 13153
Ion Ratio Lower Upper
96 100
61 139.1 91.2 169.4
98 64.1 44.7 82.9





#19

1,1-Dichloroethane

Concen: 1.985 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

MDL04

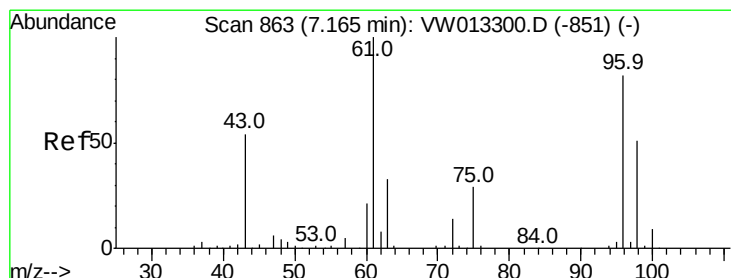
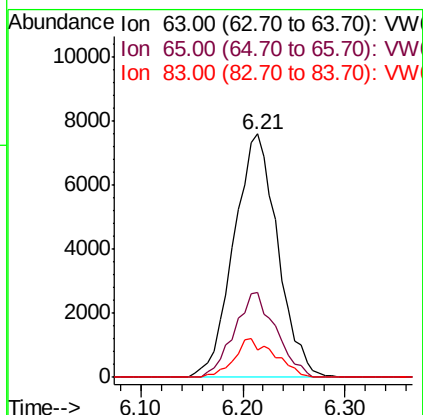
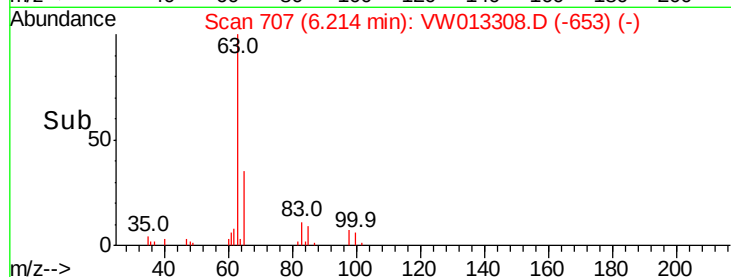
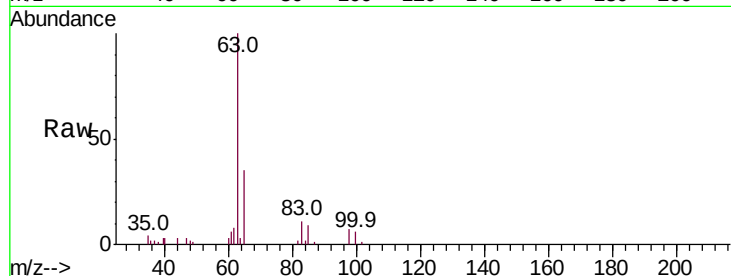
Tot Ion: 63 Resp: 22720

Ion Ratio Lower Upper

63 100

65 34.8 21.8 40.4

83 11.3 9.3 17.3



#22

cis-1,2-Dichloroethene

Concen: 1.934 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

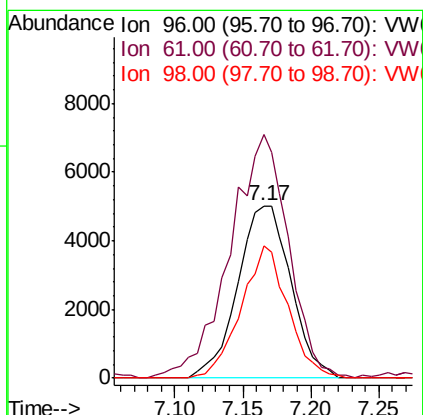
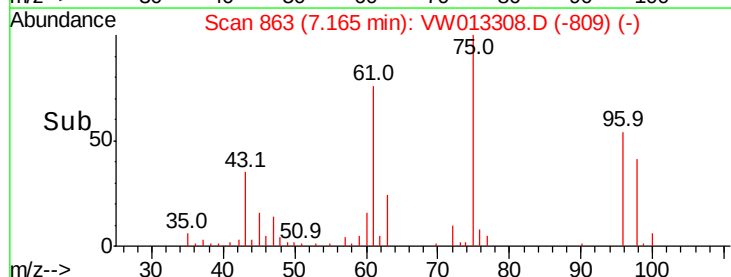
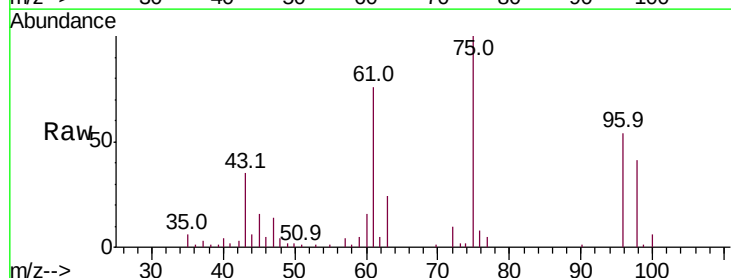
Tgt Ion: 96 Resp: 13752

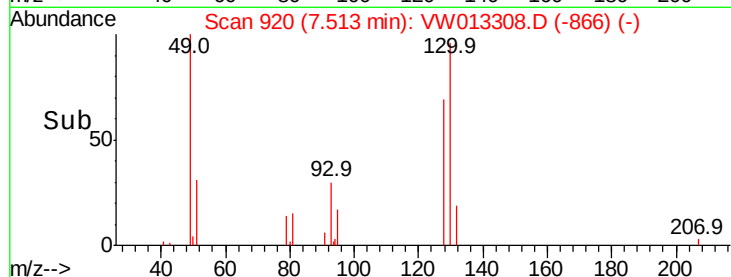
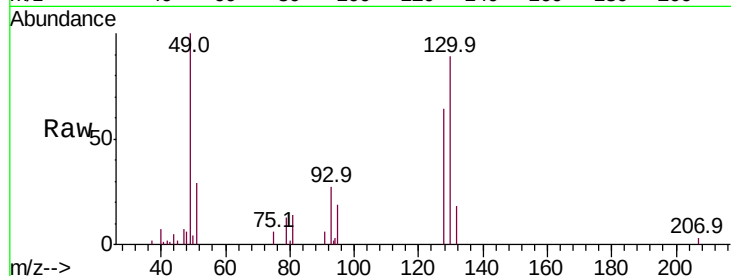
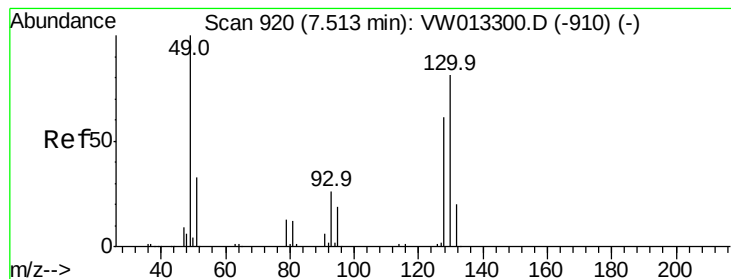
Ion Ratio Lower Upper

96 100

61 141.4 86.0 159.6

98 76.9 43.5 80.9





#23

Bromochloromethane

Concen: 1.990 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

MDL04

Tot Ion:128 Resp: 6370

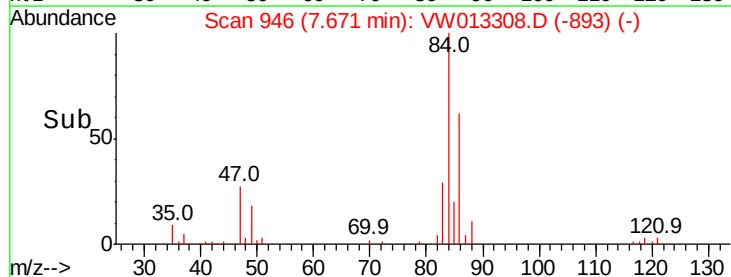
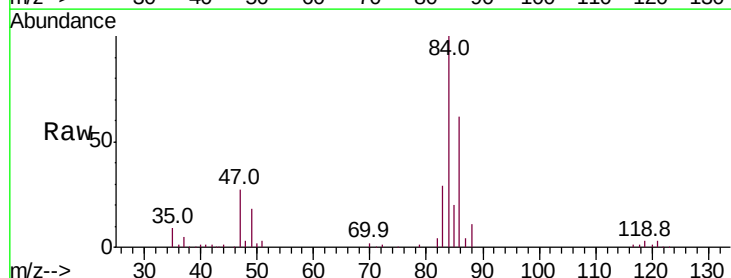
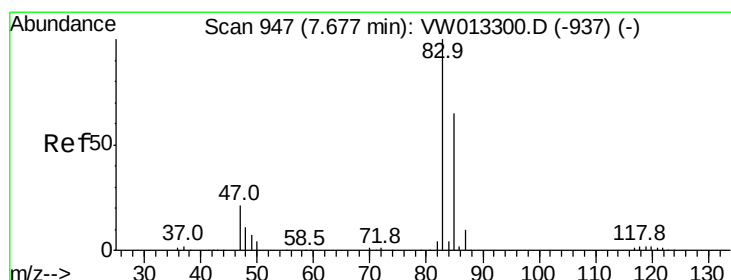
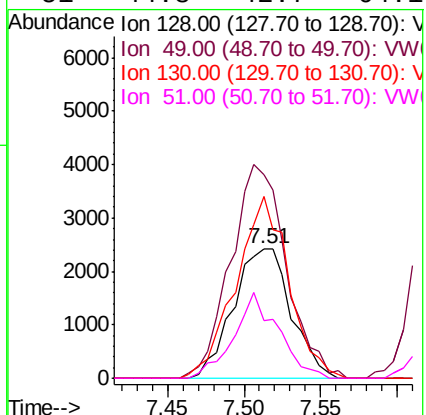
Ion Ratio Lower Upper

128 100

49 157.0 114.6 212.8

130 140.1 92.6 172.0

51 44.8 42.7 64.1



#25

Chloroform

Concen: 2.124 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW013308.D

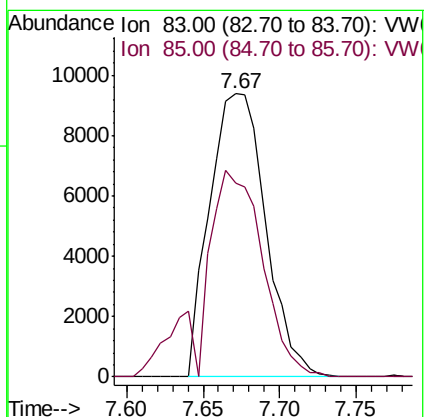
Acq: 26 Sep 2019 17:00

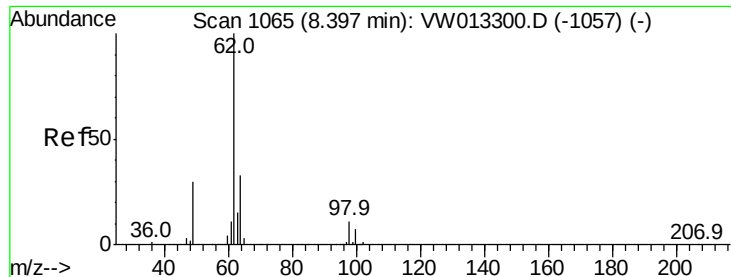
Tgt Ion: 83 Resp: 23902

Ion Ratio Lower Upper

83 100

85 66.5 45.9 85.3

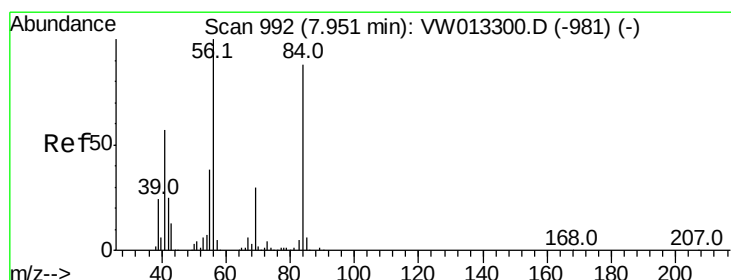
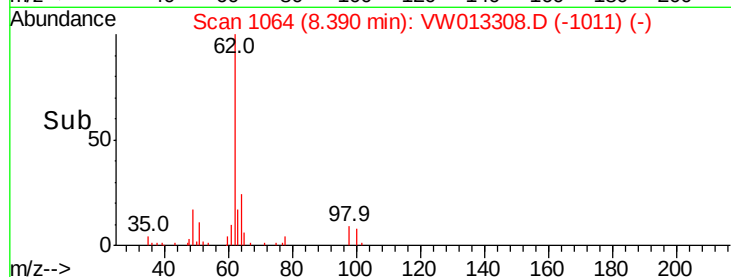
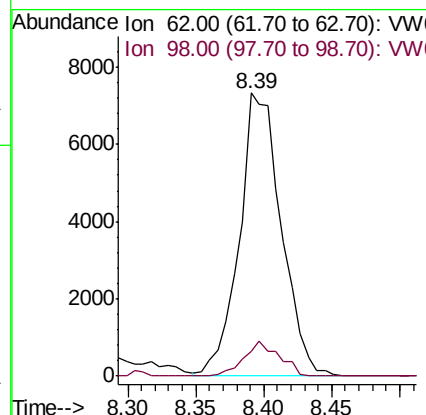
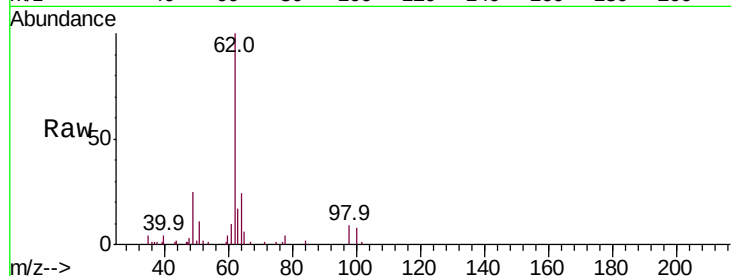




#27
 1,2-Dichloroethane
 Concen: 2.144 ug/L
 RT: 8.39 min Scan# 1064
 Delta R.T. -0.01 min
 Lab File: VW013308.D
 Acq: 26 Sep 2019 17:00

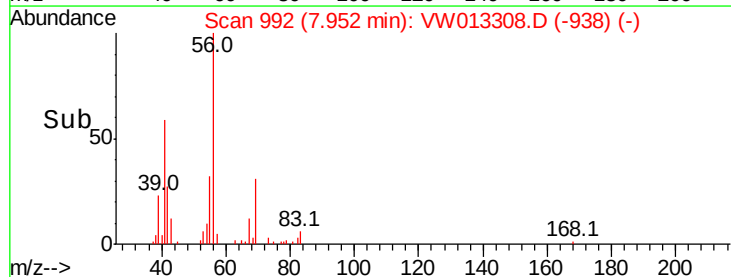
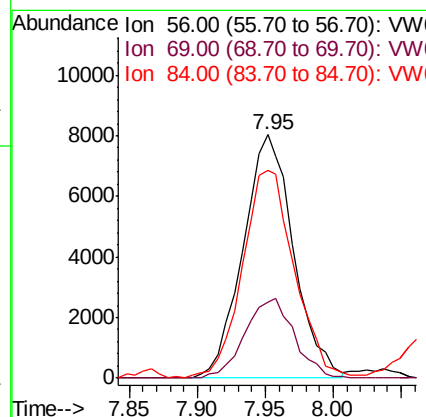
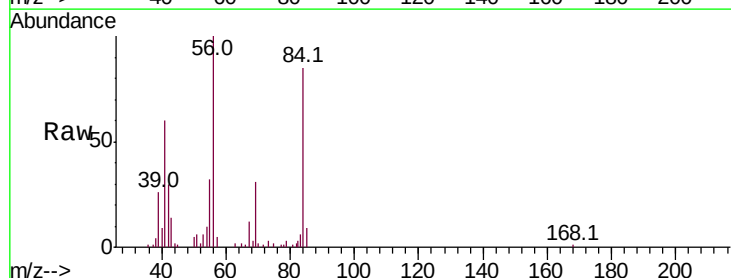
Instrument :
 MSVOA_W
 ClientSampled :
 MDL04

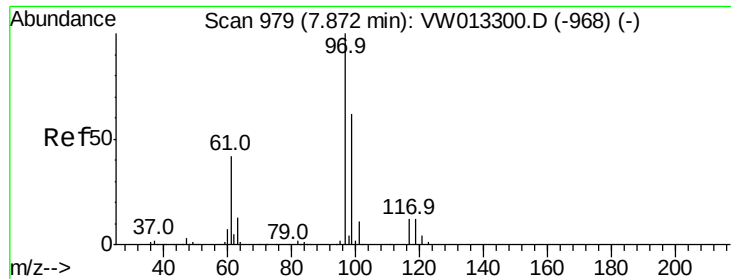
Tot Ion: 62 Resp: 15794
 Ion Ratio Lower Upper
 62 100
 98 9.0 9.0 13.6#



#30
 Cyclohexane
 Concen: 1.813 ug/L
 RT: 7.95 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VW013308.D
 Acq: 26 Sep 2019 17:00

Tgt Ion: 56 Resp: 20860
 Ion Ratio Lower Upper
 56 100
 69 31.9 24.6 37.0
 84 87.8 69.5 104.3





#31

1,1,1-Trichloroethane

Concen: 2.028 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

MDL04

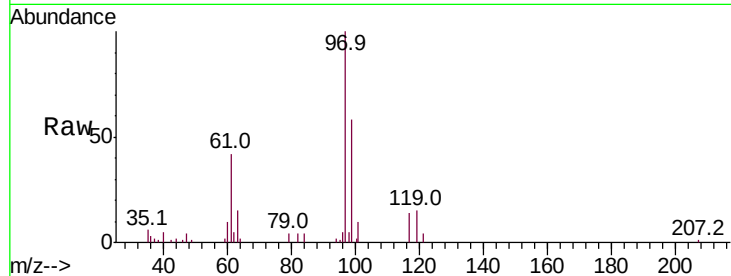
Tot Ion: 97 Resp: 18639

Ion Ratio Lower Upper

97 100

99 60.3 50.6 75.8

61 44.2 34.2 51.2

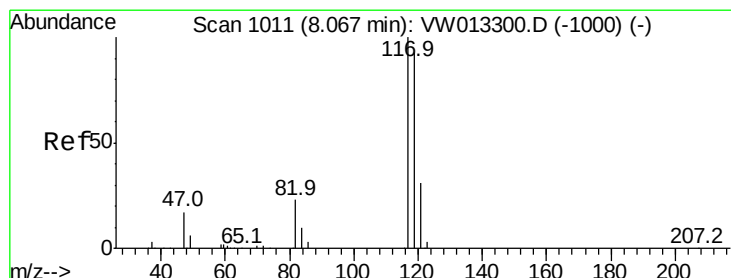
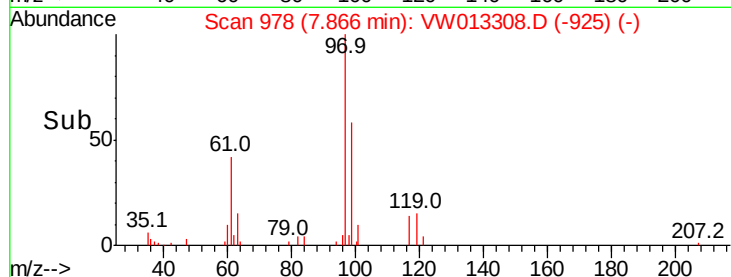
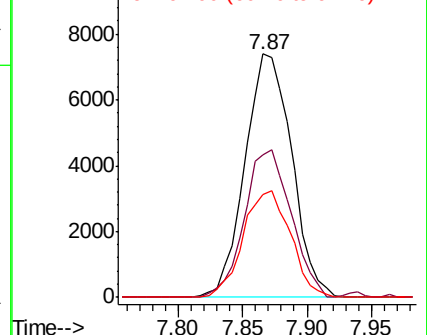


Abundance

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: 1.913 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013308.D

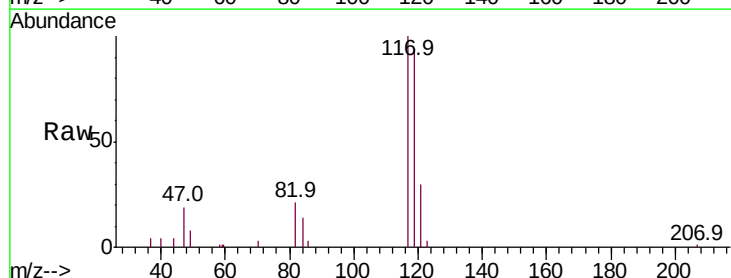
Acq: 26 Sep 2019 17:00

Tgt Ion: 117 Resp: 16766

Ion Ratio Lower Upper

117 100

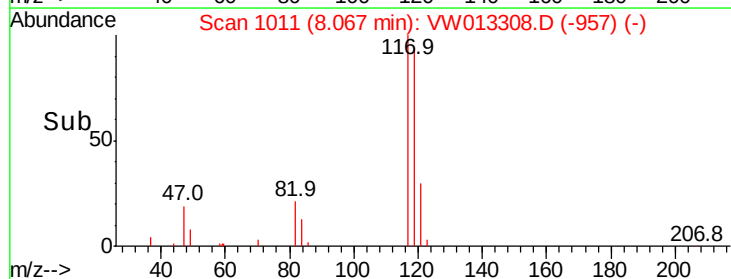
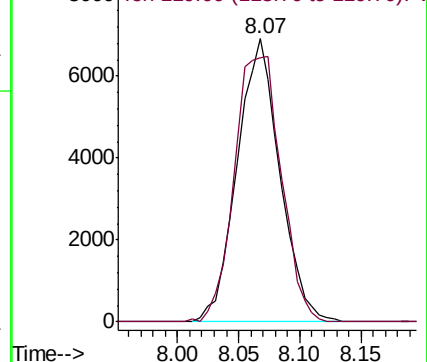
119 0.2 76.7 115.1#

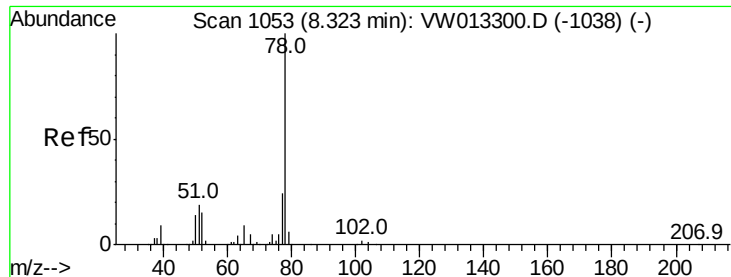


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 2.016 ug/L

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

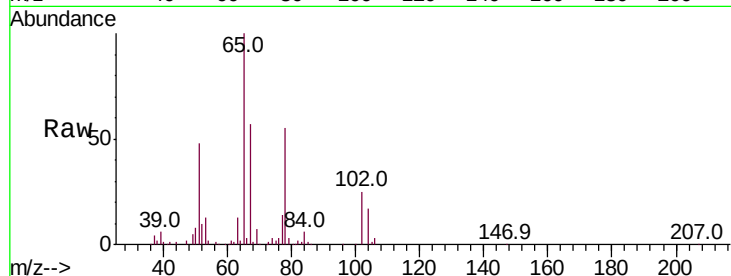
Instrument :

MSVOA_W

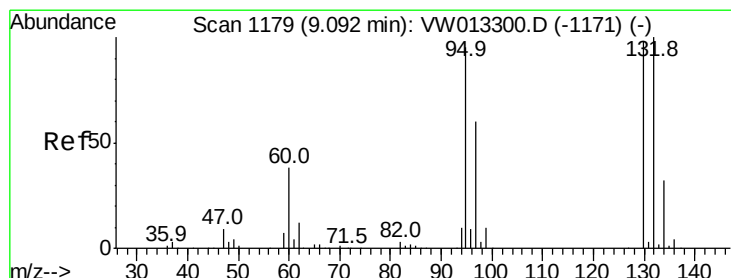
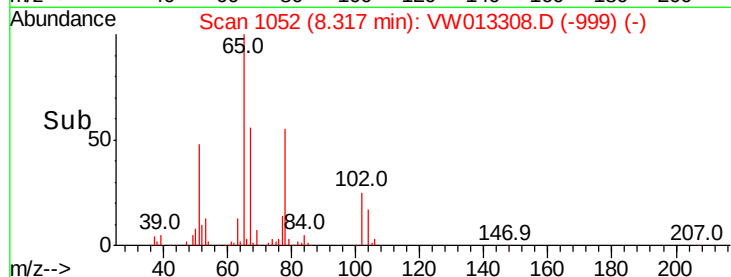
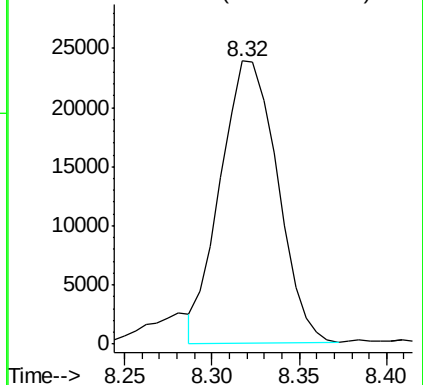
ClientSampleId :

MDL04

Tgt Ion: 78 Resp: 54133



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 1.944 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Tgt Ion: 95 Resp: 13716

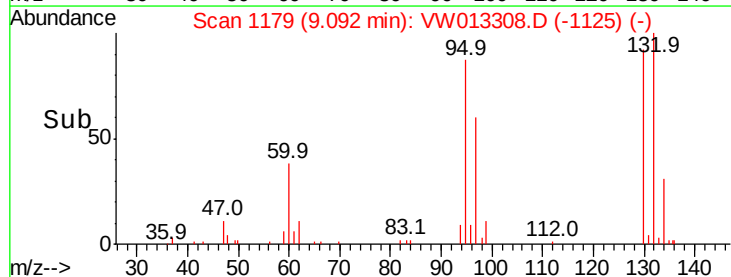
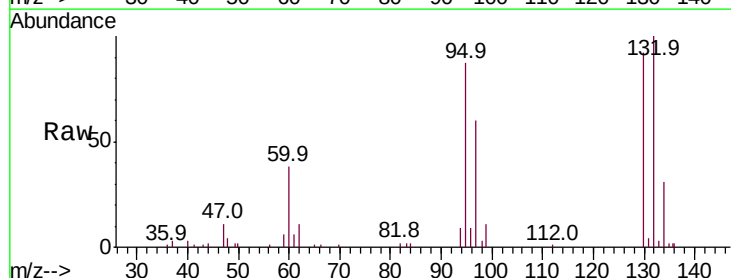
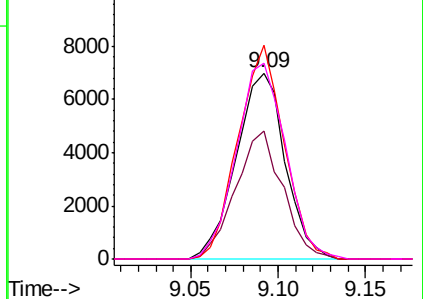
Ion	Ratio	Lower	Upper
95	100		
97	65.8	44.3	82.3
132	107.5	71.7	133.3
130	105.9	74.1	137.7

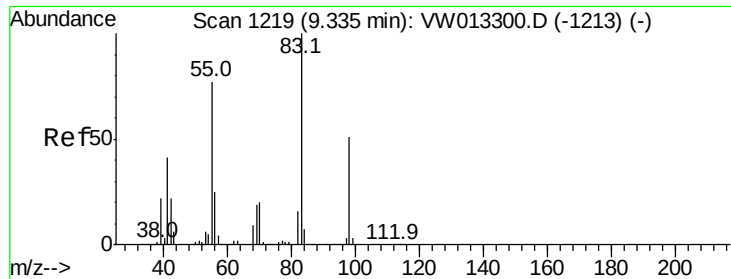
Abundance Ion 95.00 (94.70 to 95.70): VW

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

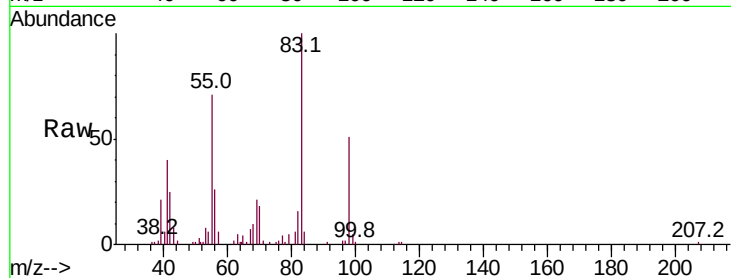




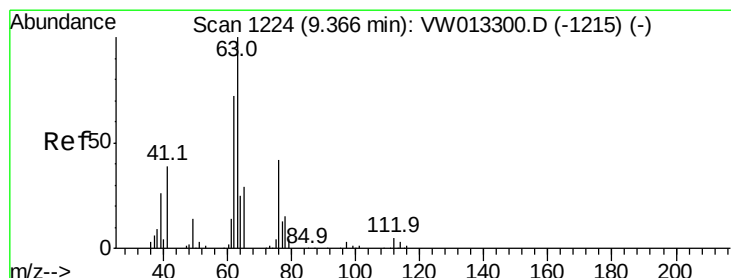
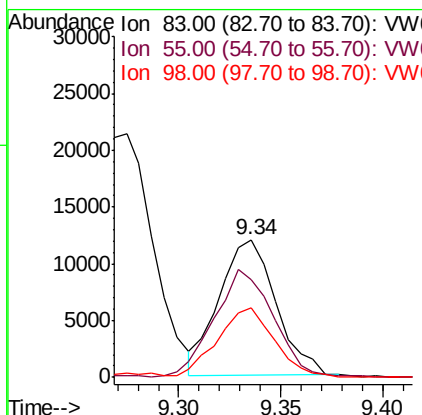
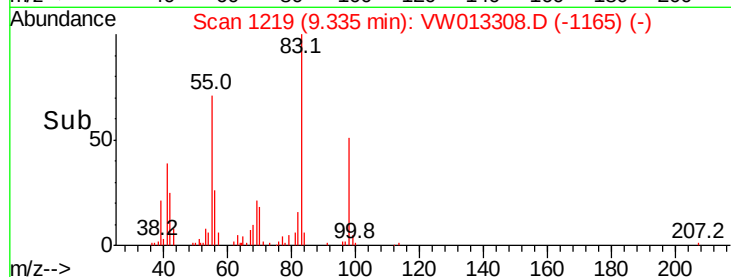
#36
Methylvlcyclohexane
Concen: 1.847 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Tot Ion: 83 Resp: 23208
Ion Ratio Lower Upper
83 100
55 82.3 61.8 92.6
98 51.4 39.6 59.4

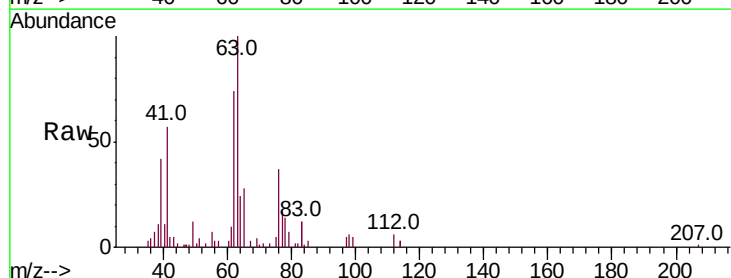


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

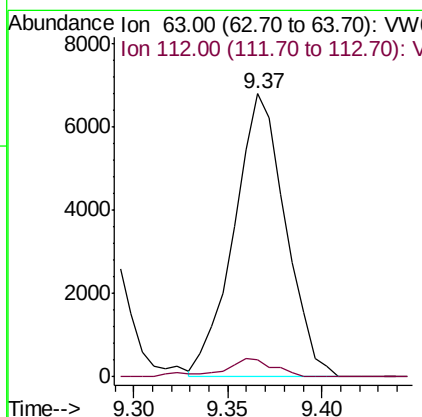
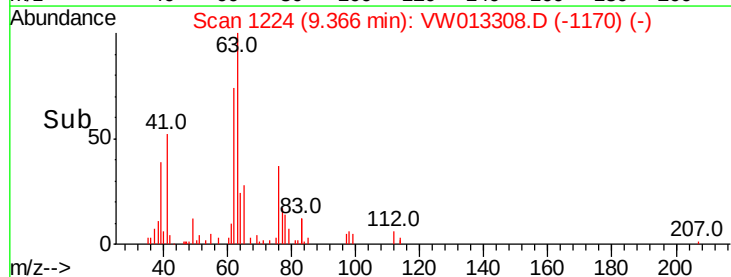


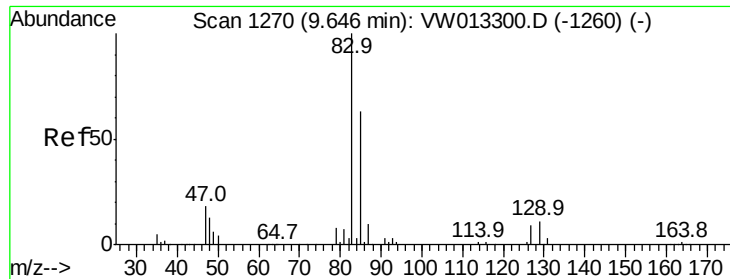
#40
1,2-Dichloropropane
Concen: 1.945 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

Tgt Ion: 63 Resp: 12849
Ion Ratio Lower Upper
63 100
112 5.4 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: 1.931 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

MDL04

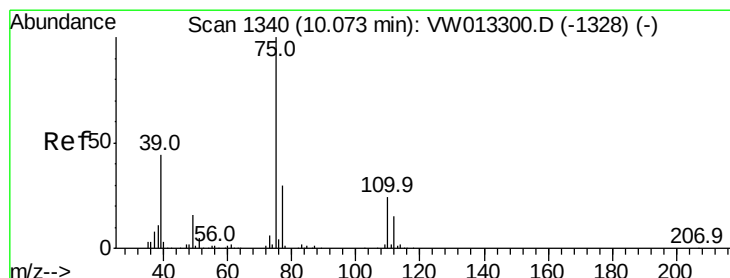
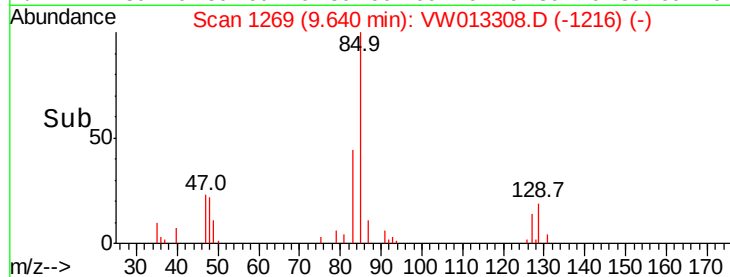
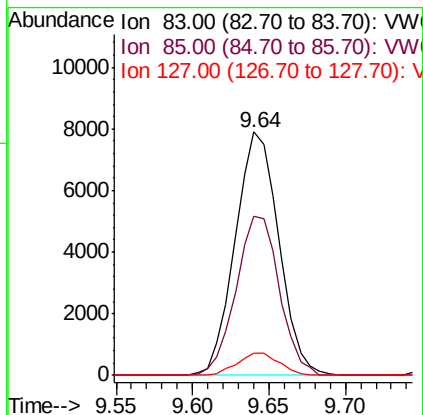
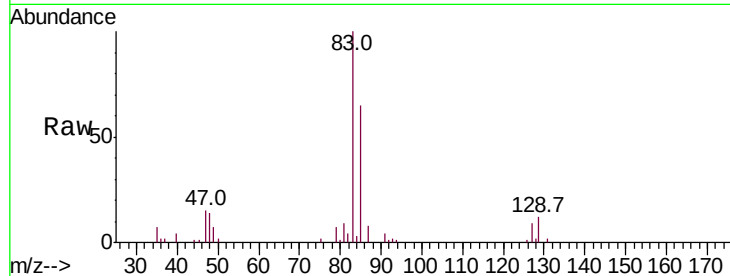
Tot Ion: 83 Resp: 15655

Ion Ratio Lower Upper

83 100

85 65.2 43.8 81.4

127 8.9 7.0 10.6



#42

cis-1,3-Dichloropropene

Concen: 2.001 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013308.D

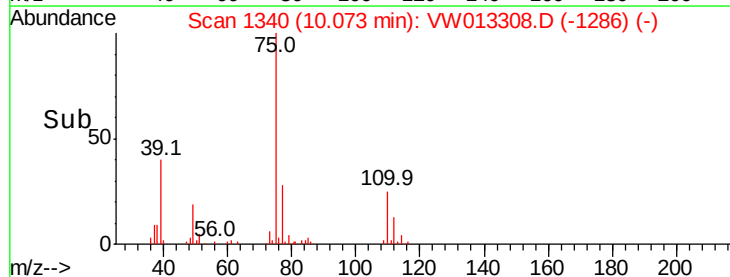
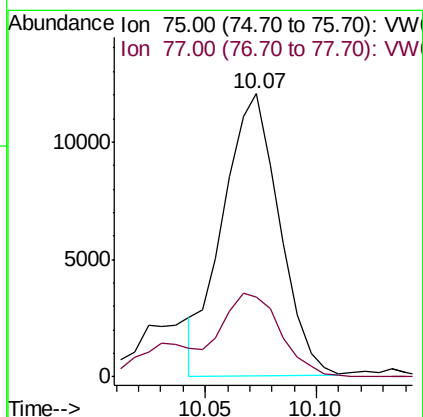
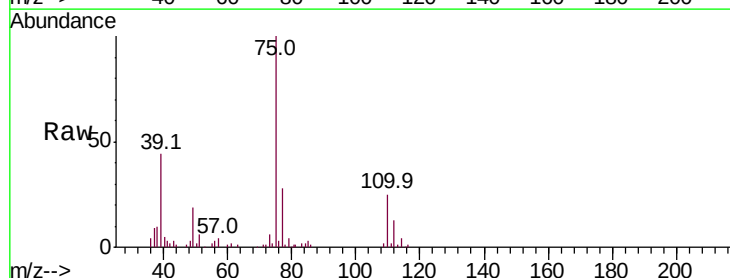
Acq: 26 Sep 2019 17:00

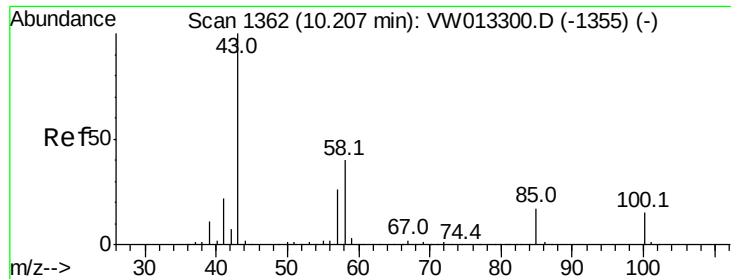
Tgt Ion: 75 Resp: 21119

Ion Ratio Lower Upper

75 100

77 28.2 21.3 39.5

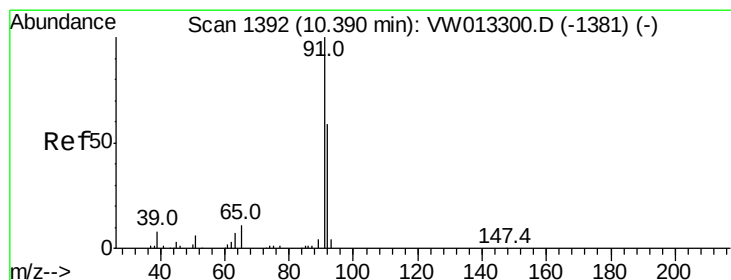
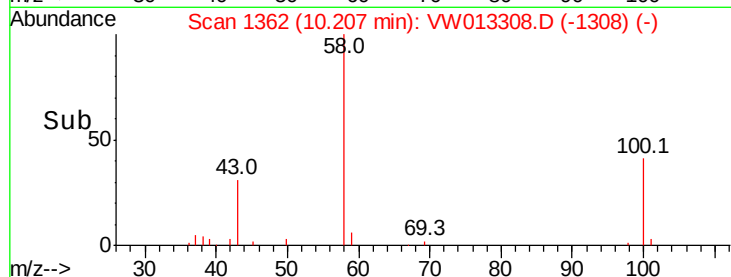
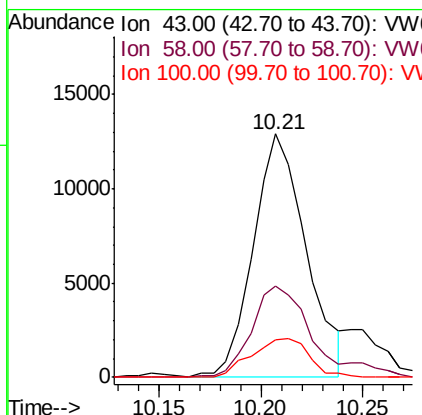
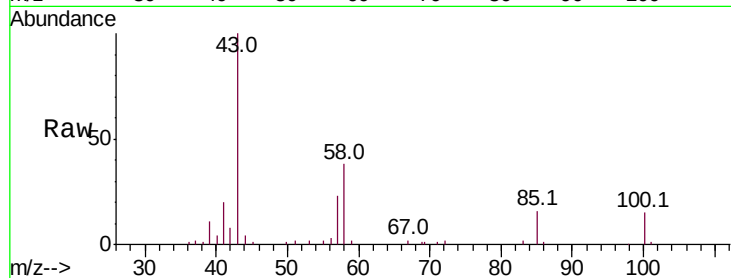




#43
4-Methyl-2-pentanone
Concen: 4.567 ug/L
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

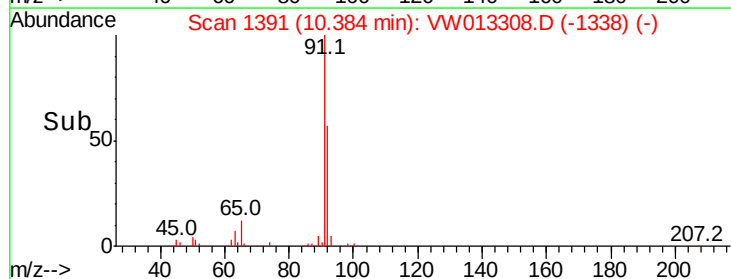
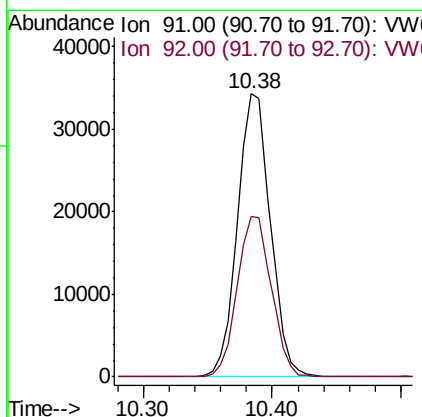
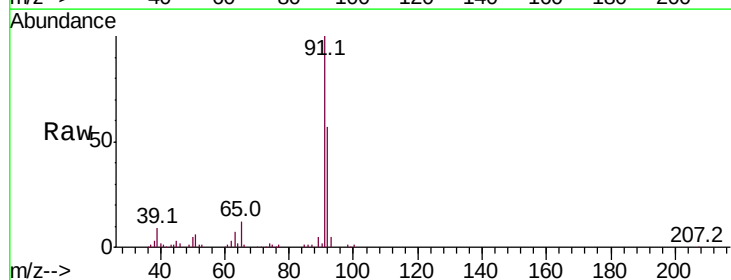
Instrument :
MSVOA_W
ClientSampleId :
MDL04

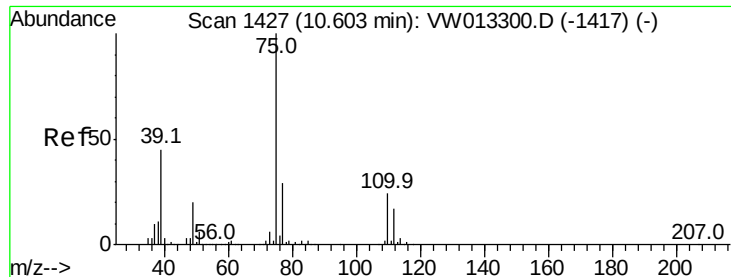
Tot Ion: 43 Resp: 23097
Ion Ratio Lower Upper
43 100
58 39.7 32.7 49.1
100 17.5 12.9 19.3



#44
Toluene
Concen: 2.077 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

Tgt Ion: 91 Resp: 60728
Ion Ratio Lower Upper
91 100
92 56.9 41.5 77.1





#45

trans-1,3-Dichloropropene

Concen: 2.336 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

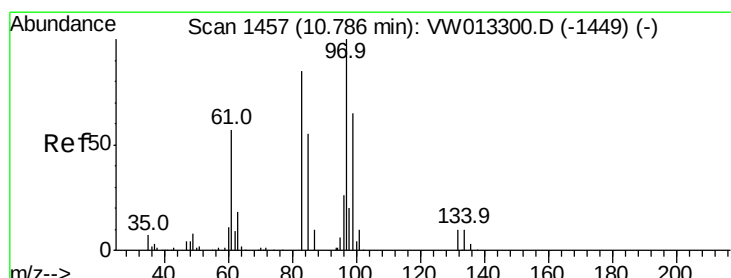
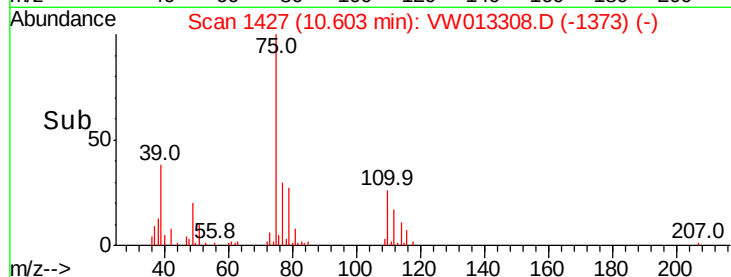
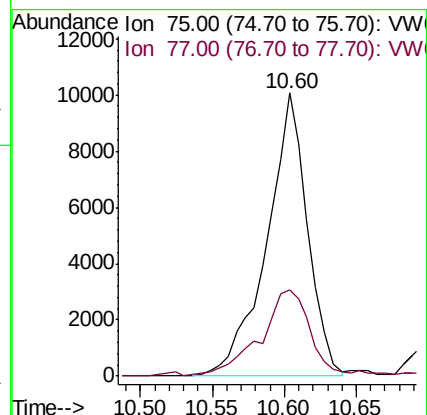
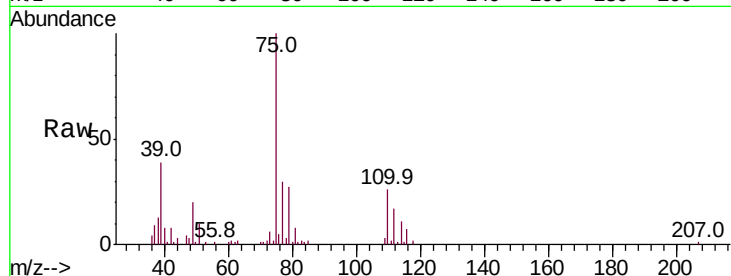
MDL04

Tot Ion: 75 Resp: 19811

Ion Ratio Lower Upper

75 100

77 30.4 20.5 38.1



#46

1,1,2-Trichloroethane

Concen: 2.050 ug/L

RT: 10.78 min Scan# 1456

Delta R.T. -0.01 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Tgt Ion: 97 Resp: 10610

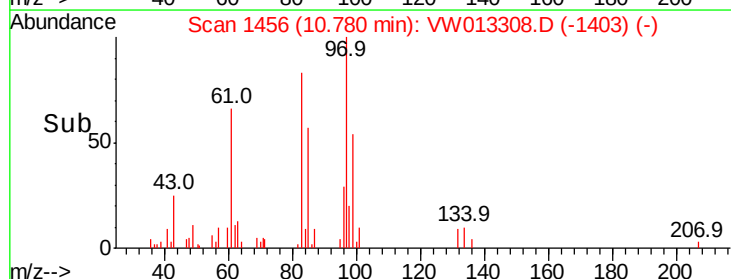
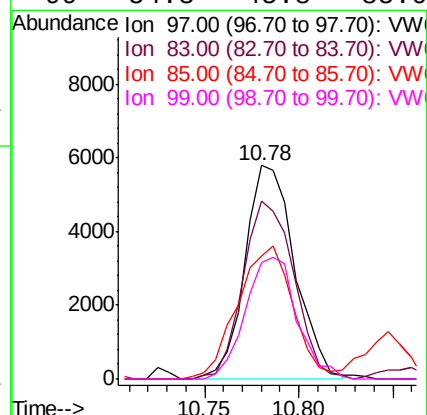
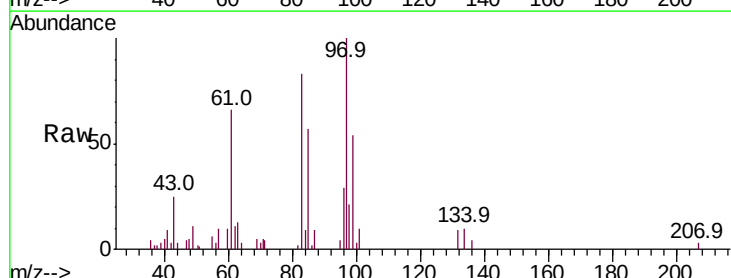
Ion Ratio Lower Upper

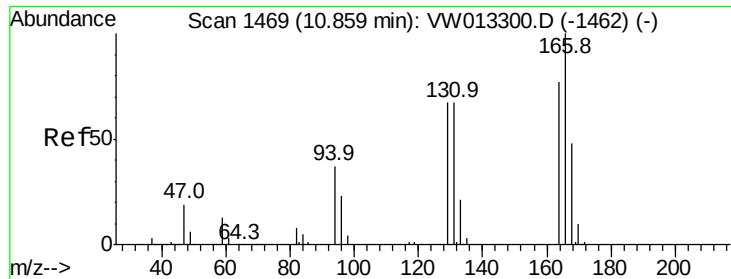
97 100

83 83.1 59.4 110.2

85 57.3 38.7 71.9

99 54.3 45.8 85.0





#47

Tetrachloroethene

Concen: 1.953 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

MDL04

Tot Ion:164 Resp: 12399

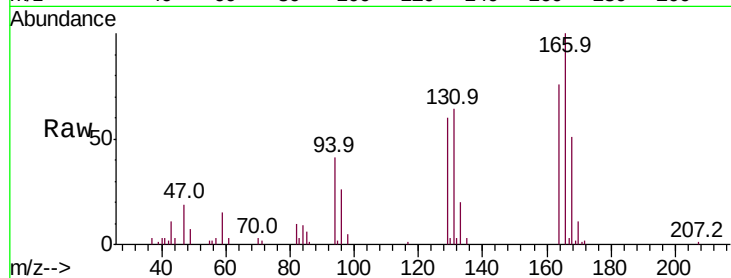
Ion Ratio Lower Upper

164 100

129 79.2 60.5 112.5

131 84.5 60.6 112.6

166 131.2 90.6 168.2

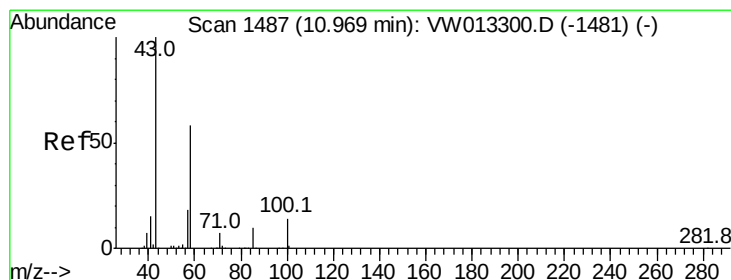
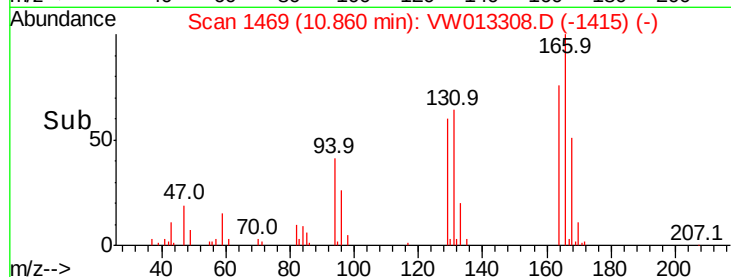
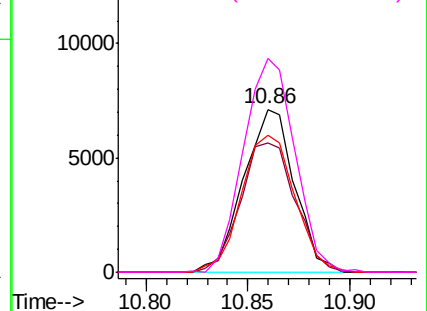


Abundance Ion 164.00 (163.70 to 164.70): V

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: 3.807 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Tgt Ion: 43 Resp: 13838

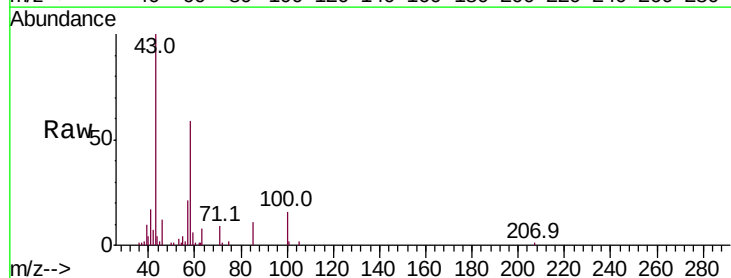
Ion Ratio Lower Upper

43 100

58 62.6 44.3 66.5

57 22.3 15.3 22.9

100 15.6 10.6 15.8

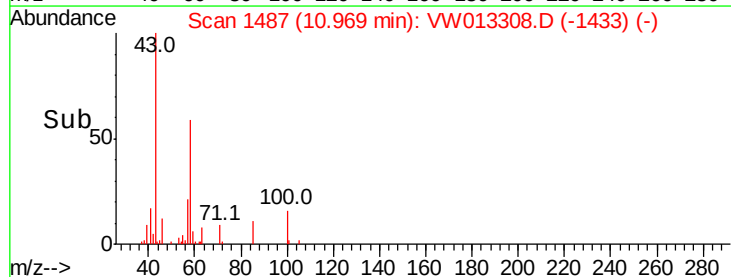
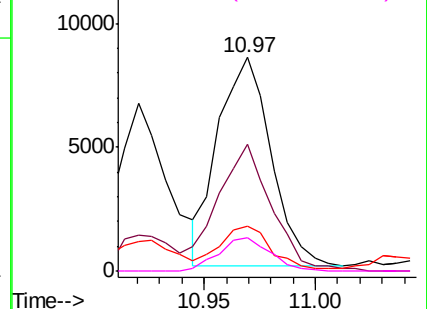


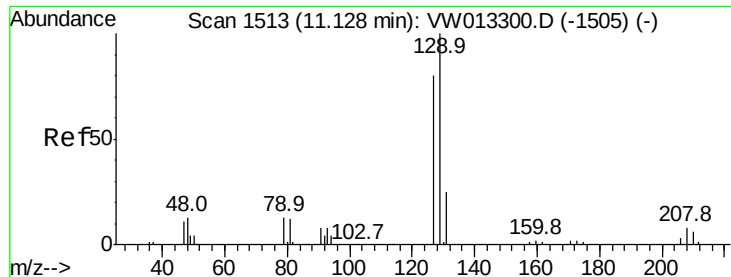
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 1.951 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

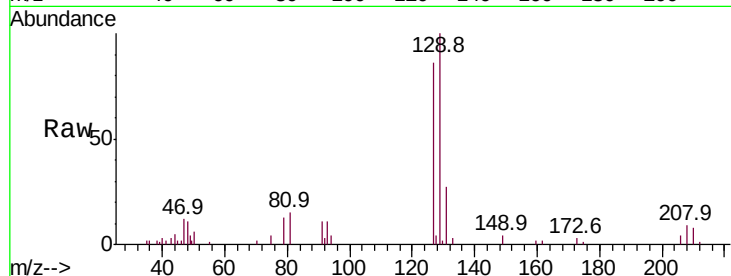
MDL04

Tot Ion:129 Resp: 11582

Ion Ratio Lower Upper

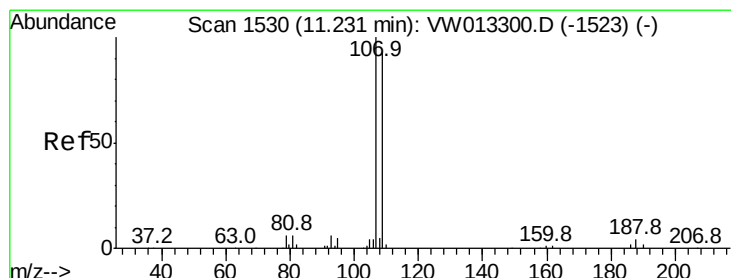
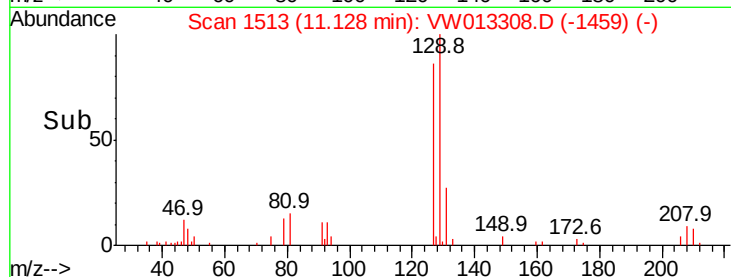
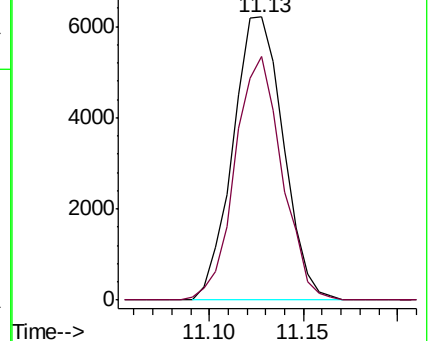
129 100

127 86.2 56.1 104.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 1.983 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

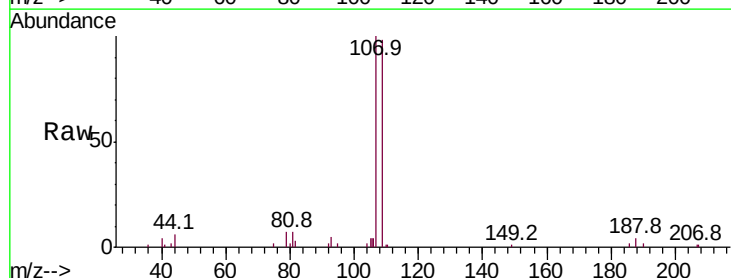
Tgt Ion:107 Resp: 10082

Ion Ratio Lower Upper

107 100

109 97.8 65.5 121.6

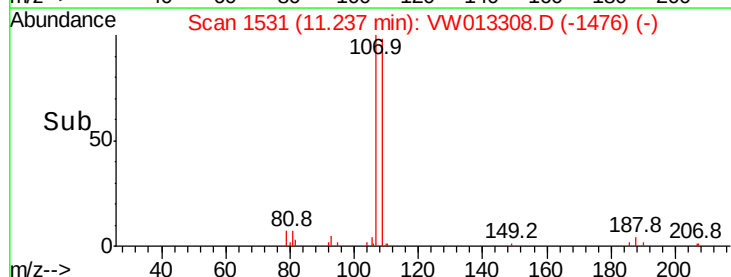
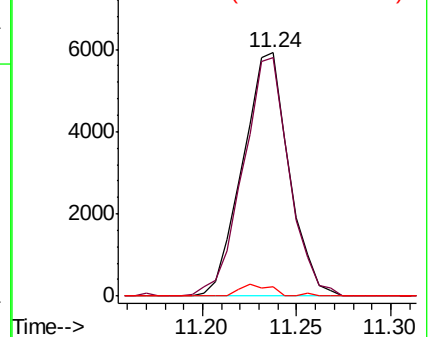
188 3.7 3.0 4.6

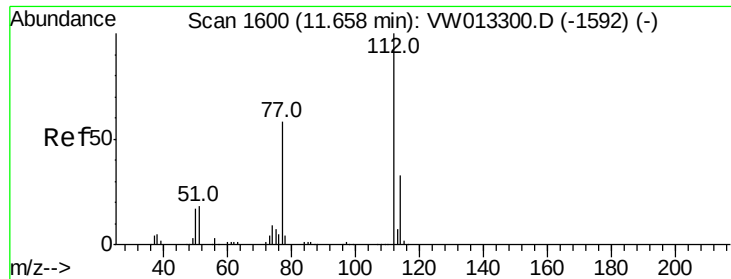


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 2.033 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

MDL04

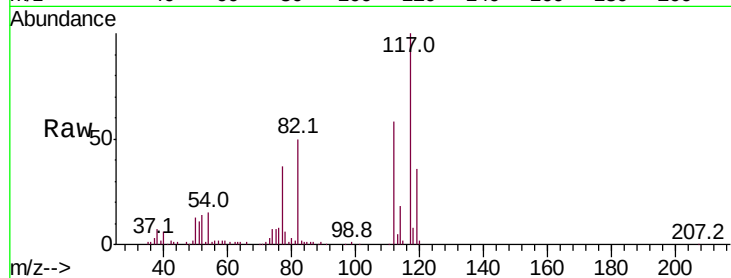
Tot Ion:112 Resp: 37448

Ion Ratio Lower Upper

112 100

77 64.2 46.5 69.7

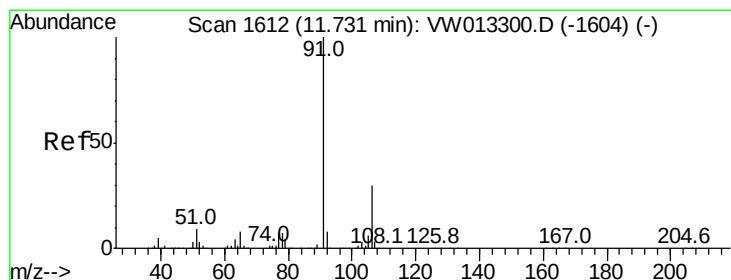
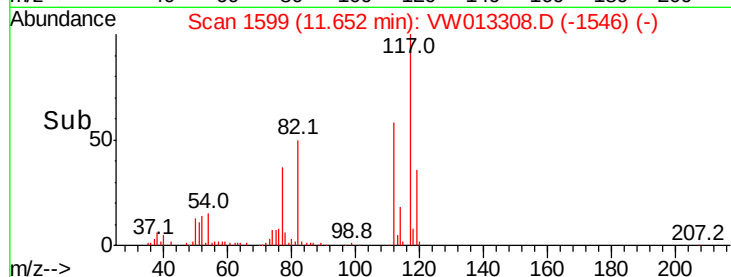
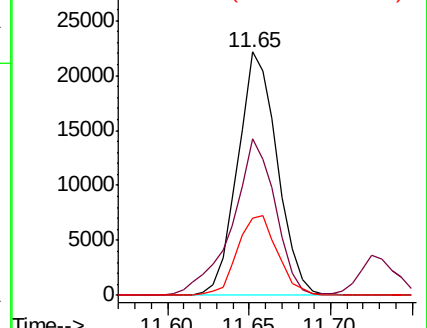
114 31.7 23.0 42.8



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: 2.023 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013308.D

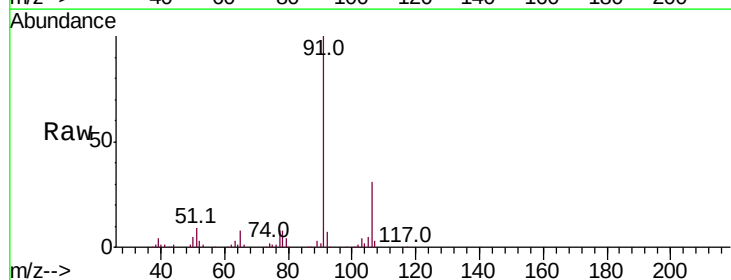
Acq: 26 Sep 2019 17:00

Tgt Ion: 91 Resp: 65556

Ion Ratio Lower Upper

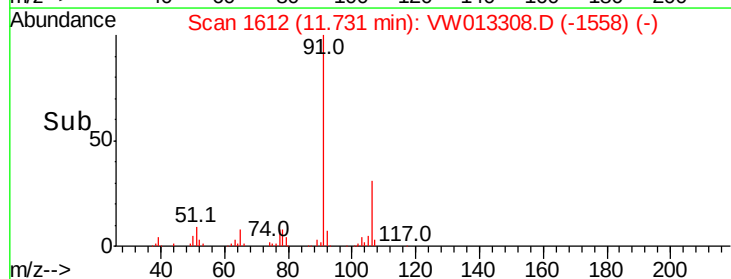
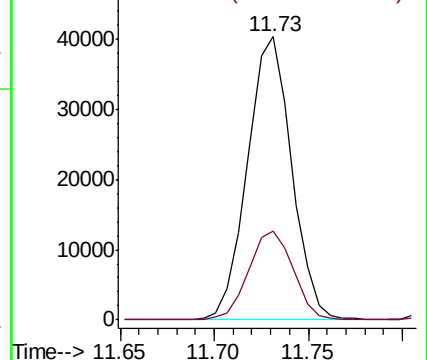
91 100

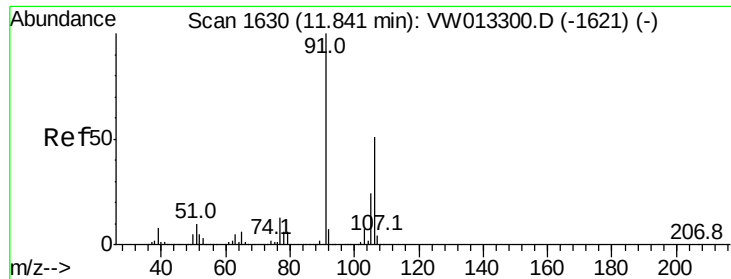
106 31.4 20.8 38.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 2.013 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

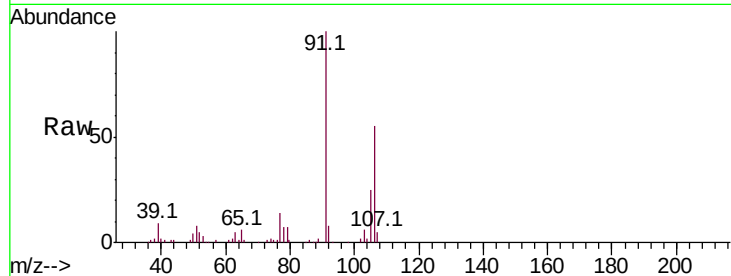
MDL04

Tot Ion:106 Resp: 25049

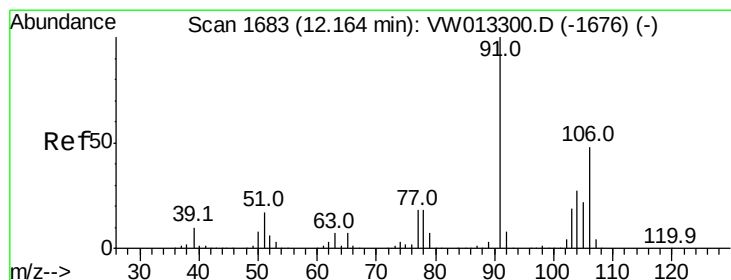
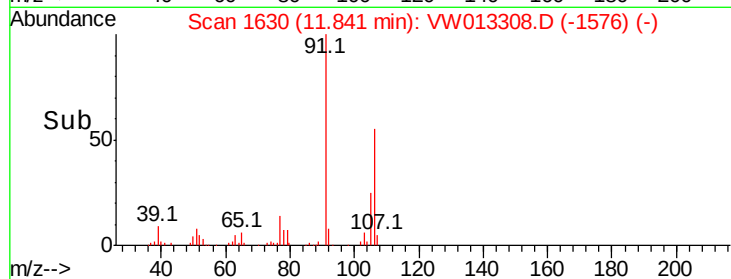
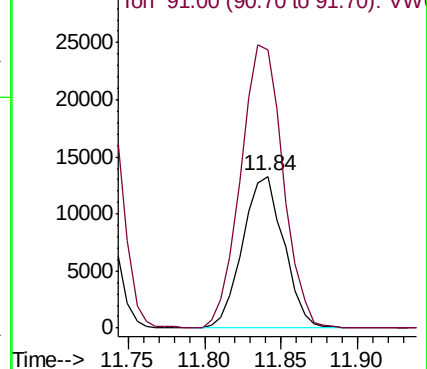
Ion Ratio Lower Upper

106 100

91 183.3 138.3 256.9



Abundance Ion 106.00 (105.70 to 106.70): V



#55

o-xylene

Concen: 1.951 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW013308.D

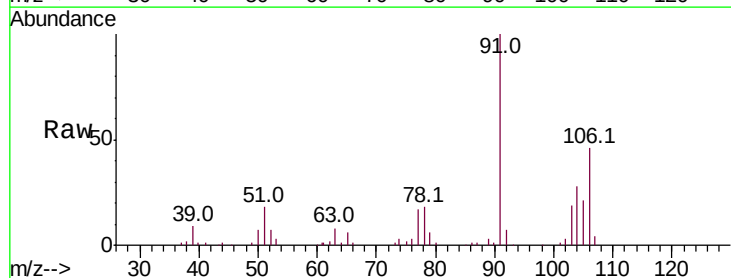
Acq: 26 Sep 2019 17:00

Tgt Ion:106 Resp: 22910

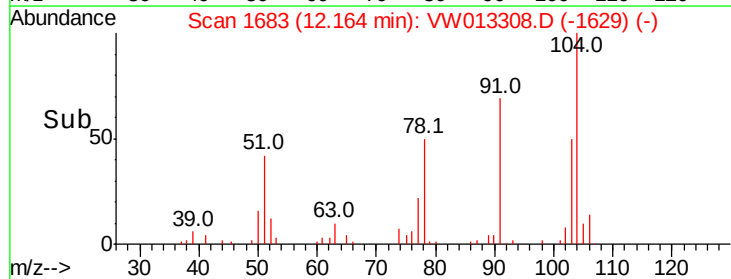
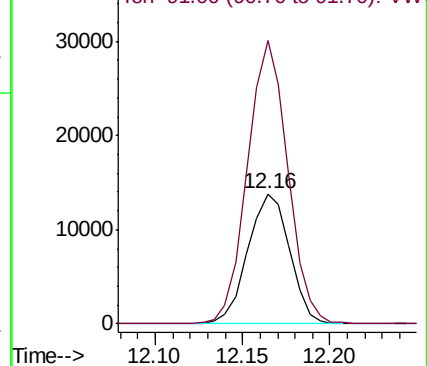
Ion Ratio Lower Upper

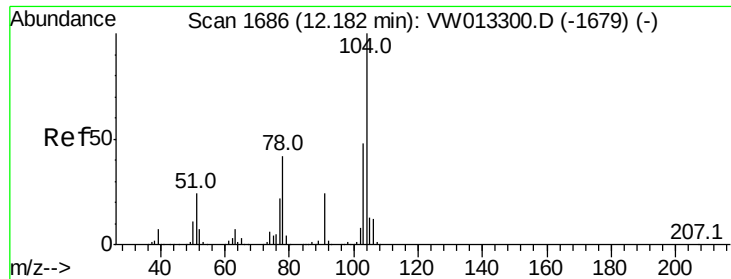
106 100

91 217.9 145.9 271.1



Abundance Ion 106.00 (105.70 to 106.70): V





#56

Stvrene

Concen: 1.915 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

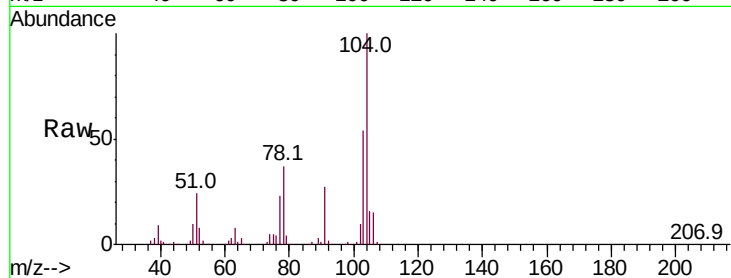
MDL04

Tot Ion:104 Resp: 38549

Ion Ratio Lower Upper

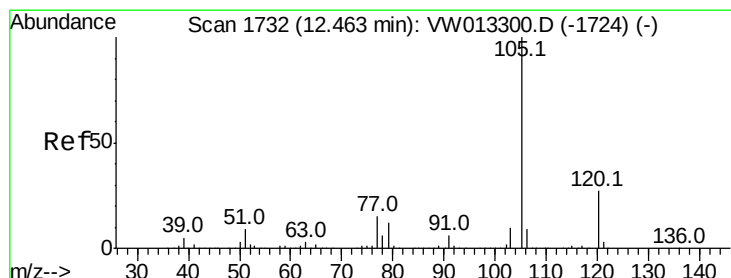
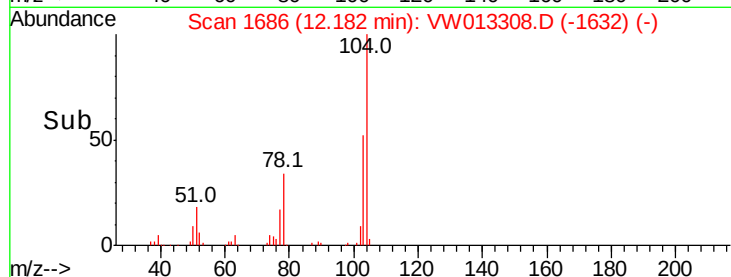
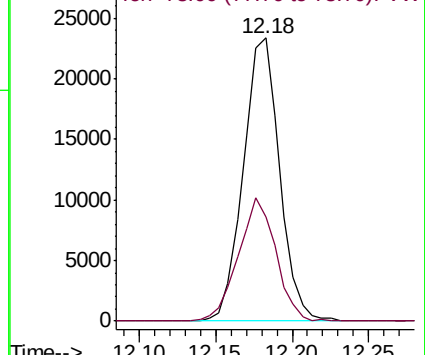
104 100

78 36.9 29.8 55.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V



#57

Isopropylbenzene

Concen: 1.949 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

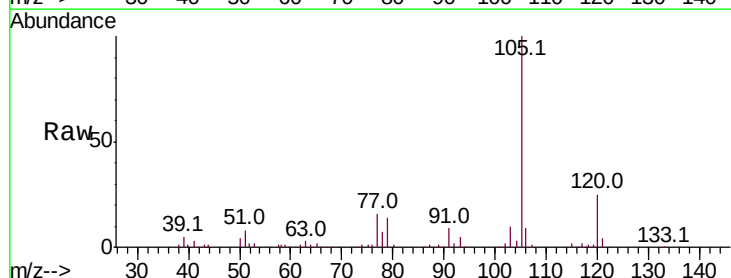
Tgt Ion:105 Resp: 61868

Ion Ratio Lower Upper

105 100

120 27.3 21.4 32.2

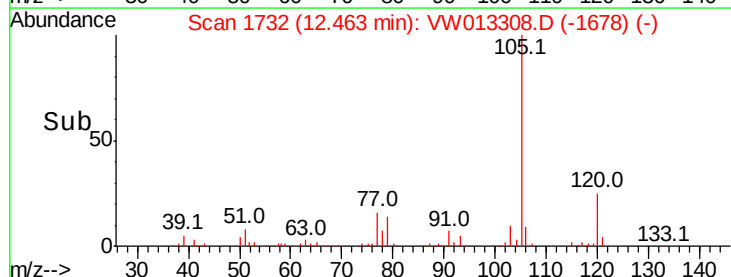
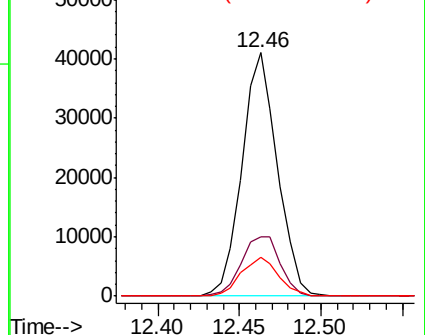
77 16.9 11.8 17.6

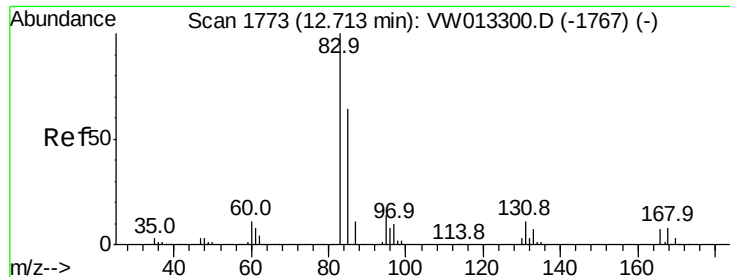


Abundance Ion 105.00 (104.70 to 105.70): V

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: 1.949 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampled :

MDL04

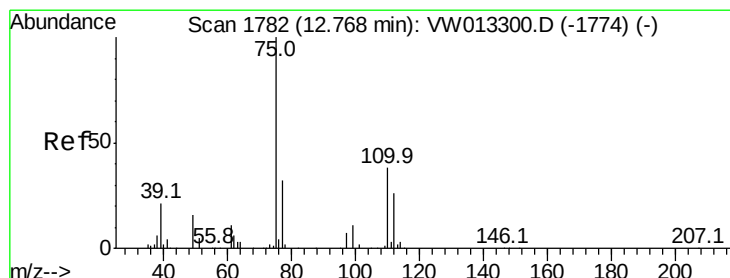
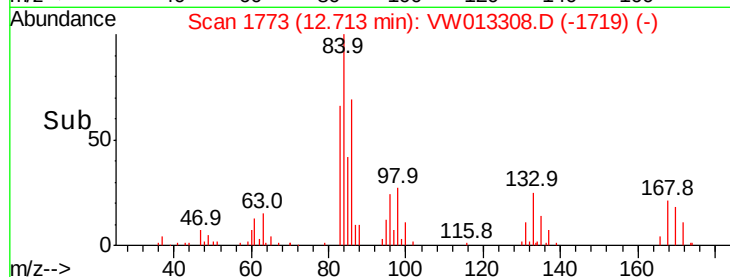
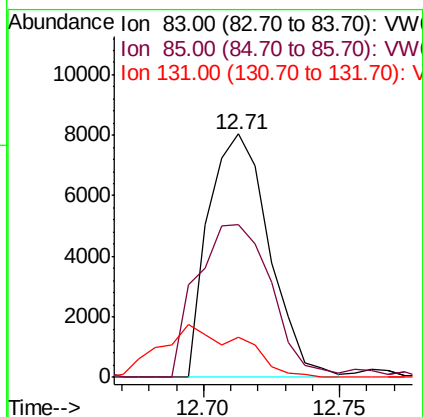
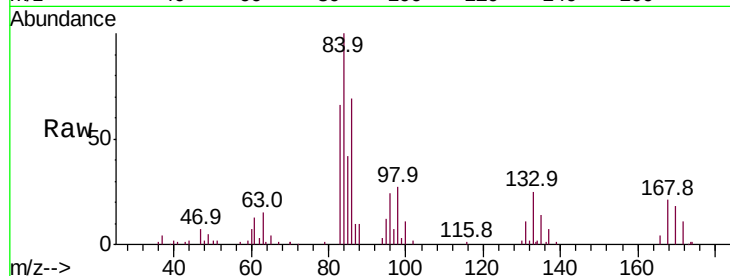
Tot Ion: 83 Resp: 12425

Ion Ratio Lower Upper

83 100

85 62.7 45.2 84.0

131 16.3 8.9 13.3#



#59

1,2,3-Trichloropropane

Concen: 2.044 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013308.D

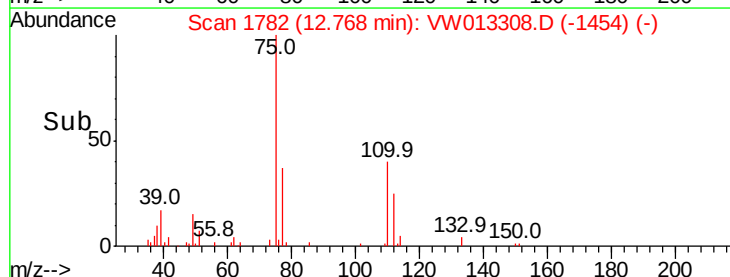
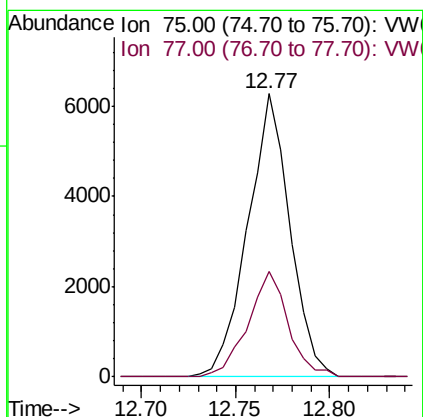
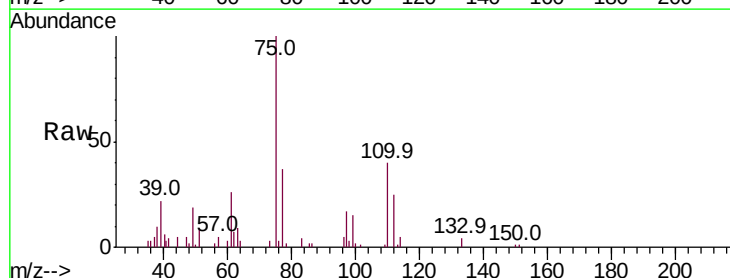
Acq: 26 Sep 2019 17:00

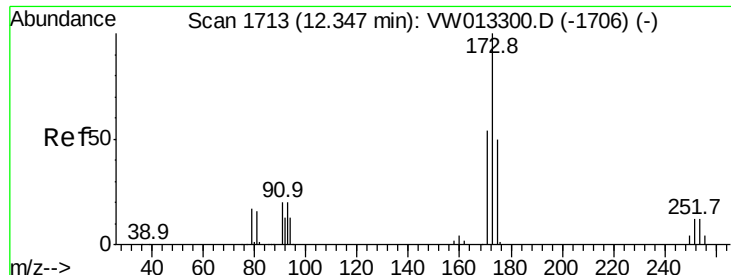
Tgt Ion: 75 Resp: 9727

Ion Ratio Lower Upper

75 100

77 35.7 25.8 38.8

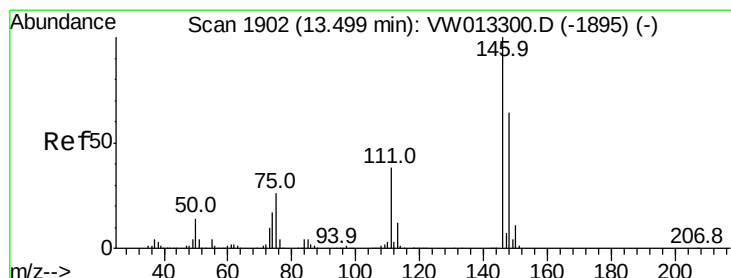
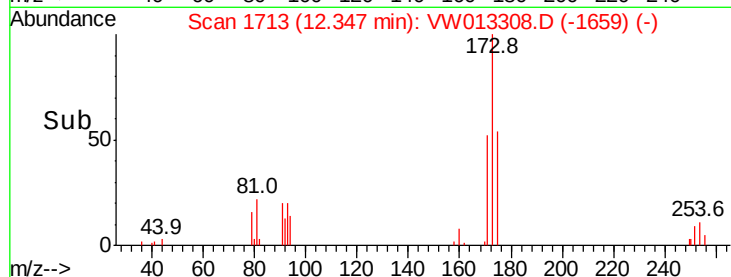
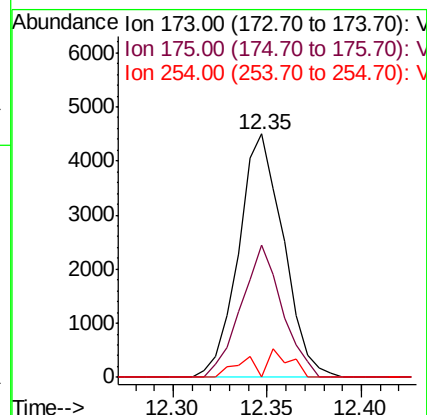
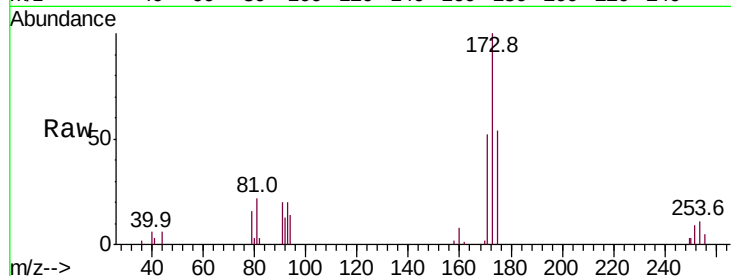




#62
Bromoform
Concen: 1.972 ug/L
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

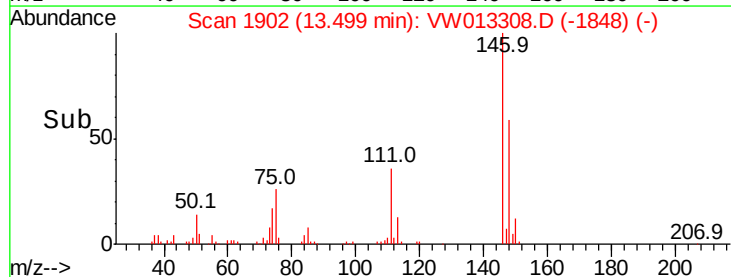
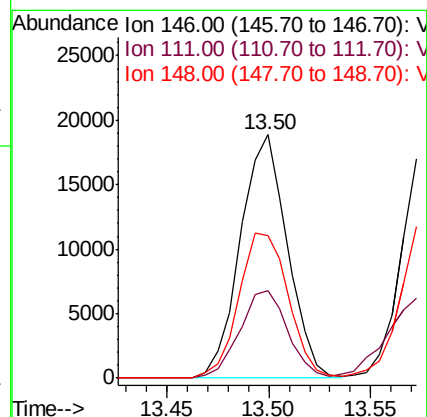
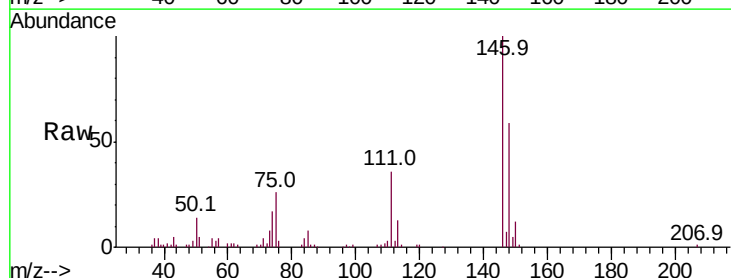
Instrument :
MSVOA_W
ClientSampled :
MDL04

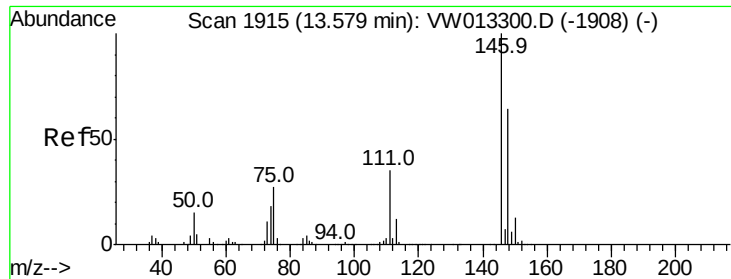
Tot Ion:173 Resp: 7418
Ion Ratio Lower Upper
173 100
175 50.0 39.3 58.9
254 5.6 9.1 13.7#



#63
1,3-Dichlorobenzene
Concen: 2.063 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW013308.D
Acq: 26 Sep 2019 17:00

Tgt Ion:146 Resp: 30185
Ion Ratio Lower Upper
146 100
111 35.8 26.7 49.5
148 58.8 45.0 83.6

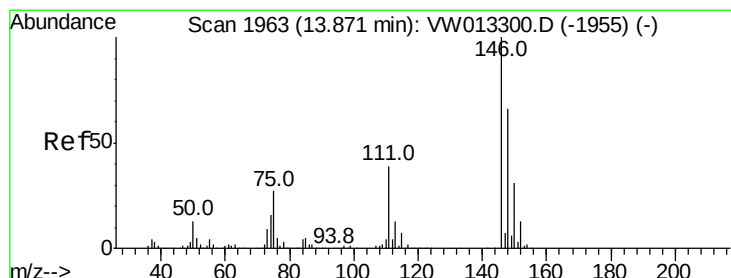
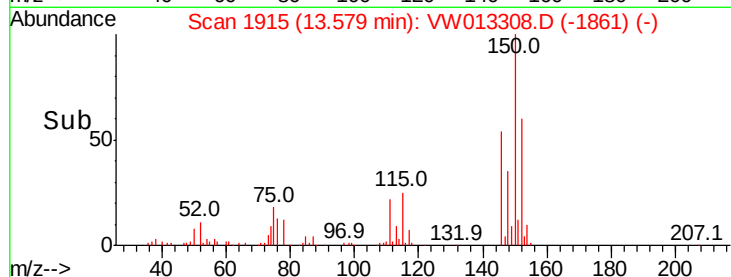
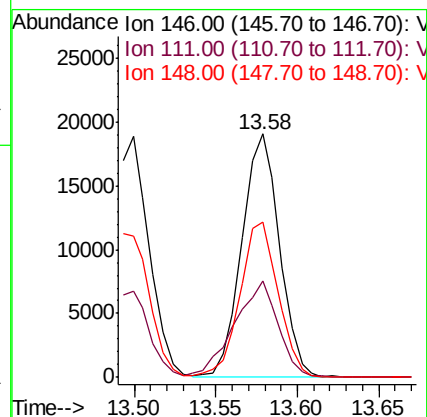
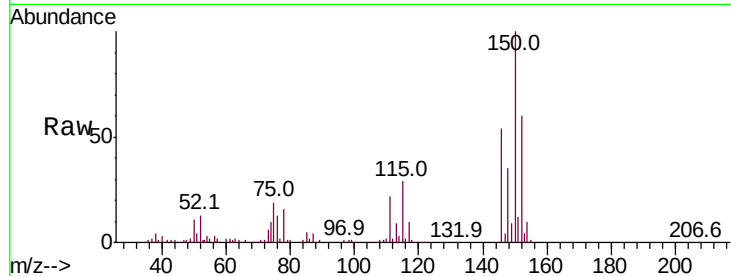




#64
 1,4-Dichlorobenzene
 Concen: 2.078 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013308.D
 Acq: 26 Sep 2019 17:00

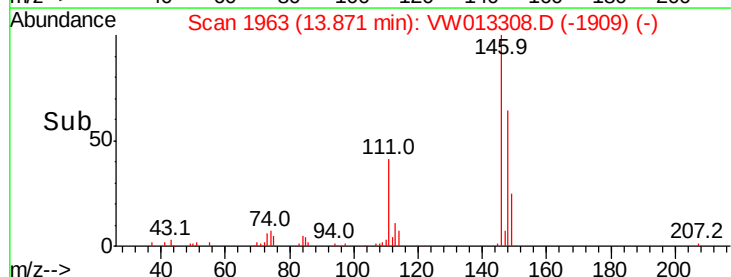
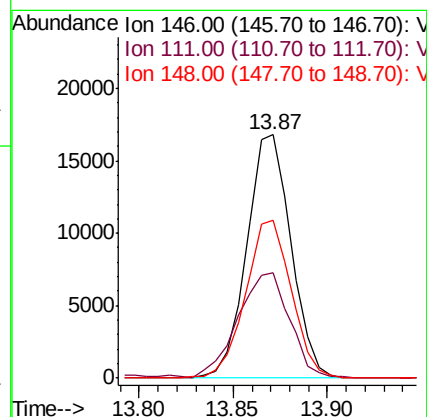
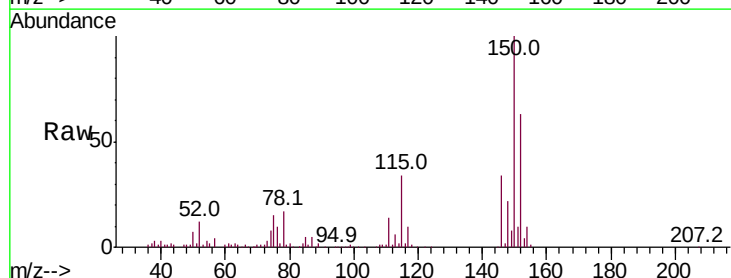
Instrument :
 MSVOA_W
 ClientSampled :
 MDL04

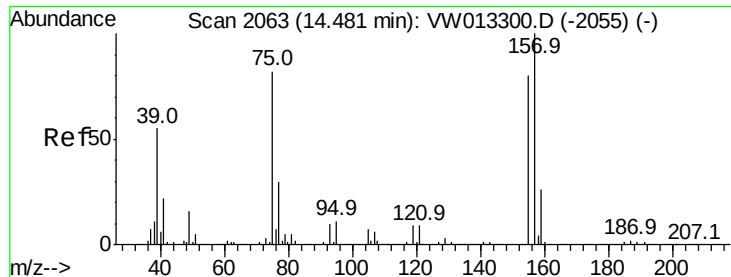
Tot Ion:146 Resp: 30724
 Ion Ratio Lower Upper
 146 100
 111 39.7 24.2 45.0
 148 63.7 45.1 83.7



#65
 1,2-Dichlorobenzene
 Concen: 2.053 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013308.D
 Acq: 26 Sep 2019 17:00

Tgt Ion:146 Resp: 27333
 Ion Ratio Lower Upper
 146 100
 111 43.1 30.8 46.2
 148 64.8 52.5 78.7





#66

1,2-Dibromo-3-chloropropane

Concen: 2.151 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

MDL04

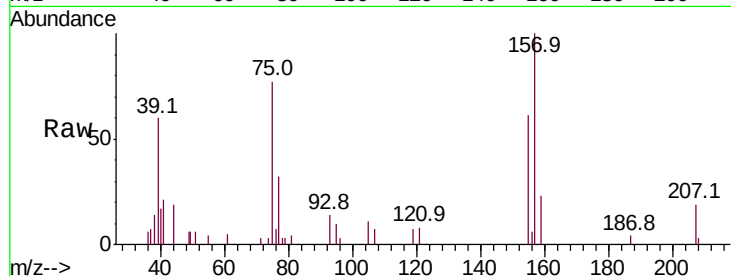
Tot Ion: 75 Resp: 2255

Ion Ratio Lower Upper

75 100

157 129.2 97.8 146.8

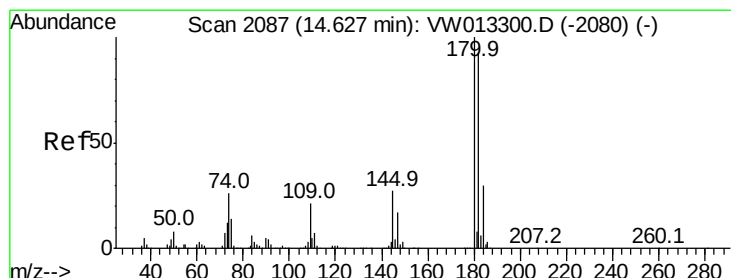
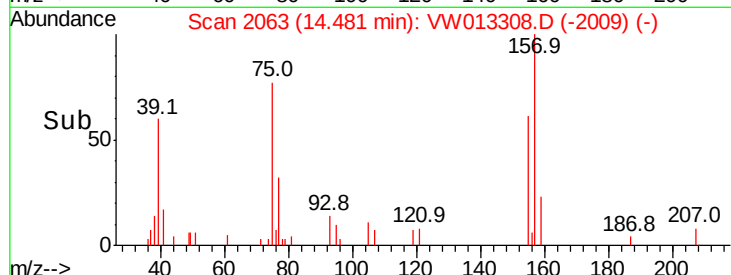
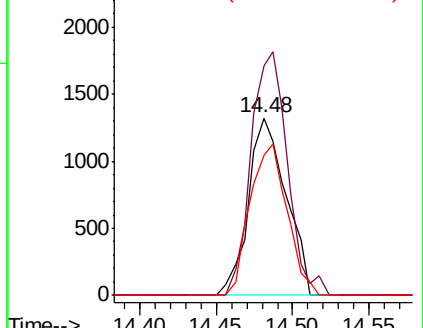
155 78.9 78.4 117.6



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: 1.927 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Tgt Ion: 180 Resp: 21707

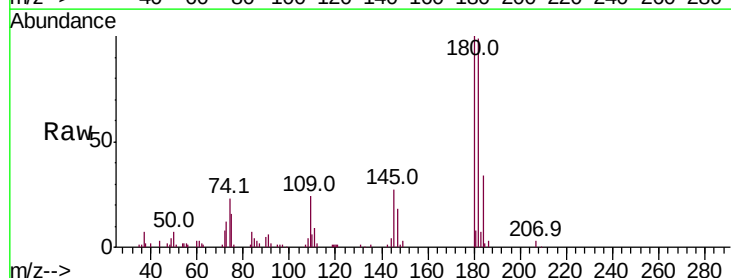
Ion Ratio Lower Upper

180 100

182 92.9 76.4 114.6

184 32.2 23.9 35.9

145 26.8 21.7 32.5

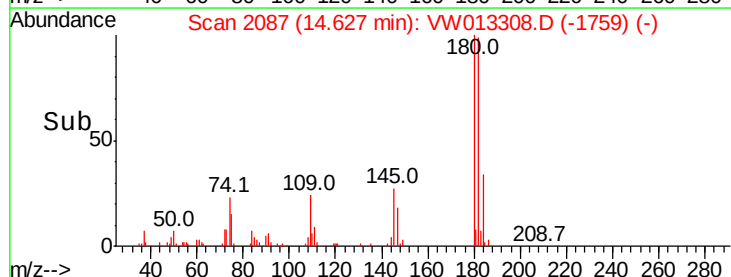
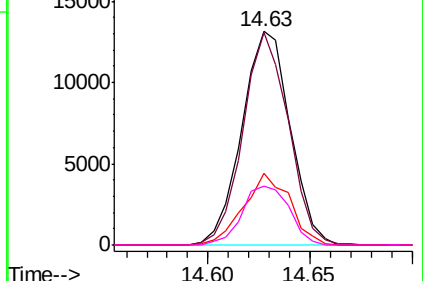


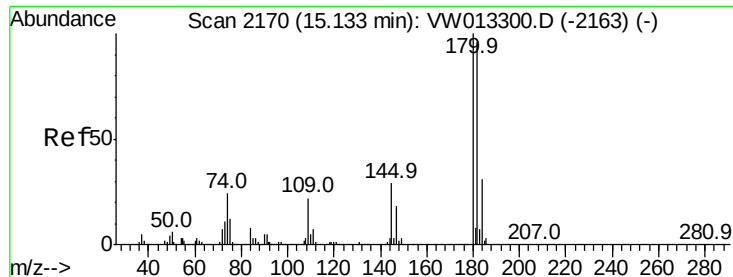
Abundance Ion 180.00 (179.70 to 180.70): V

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

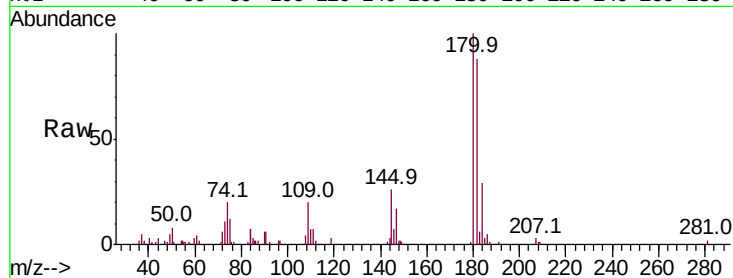




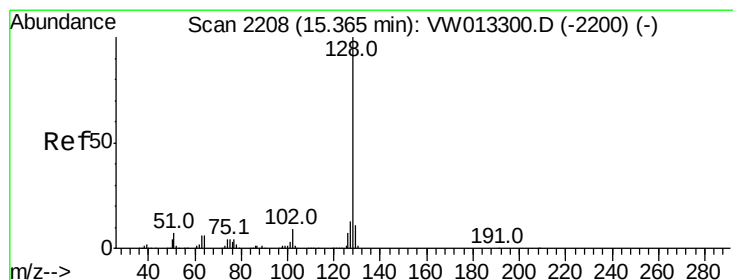
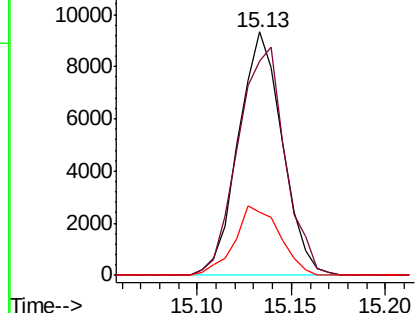
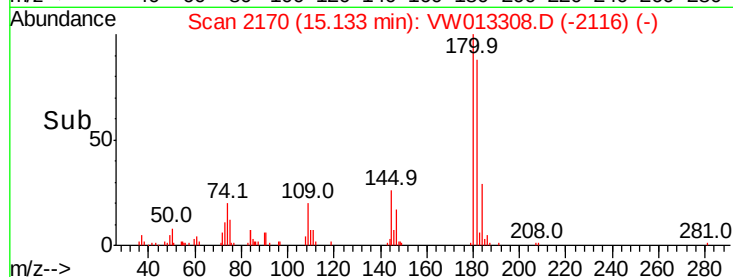
#68
 1,2,4-trichlorobenzene
 Concen: 1.681 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013308.D
 Acq: 26 Sep 2019 17:00

Instrument :
 MSVOA_W
 ClientSampled :
 MDL04

Tot Ion:180 Resp: 15114
 Ion Ratio Lower Upper
 180 100
 182 100.3 75.9 113.9
 145 29.2 23.0 34.4

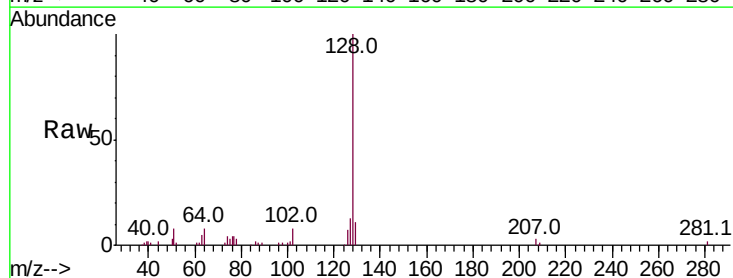


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

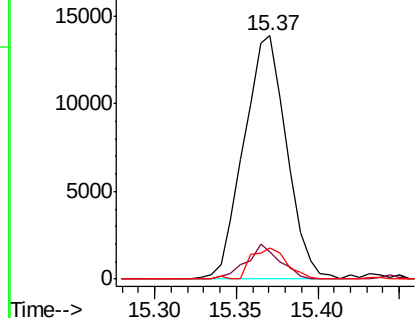
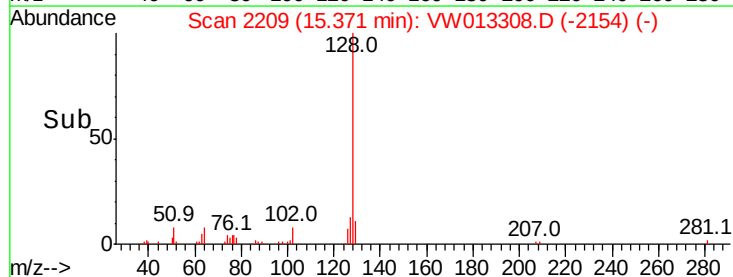


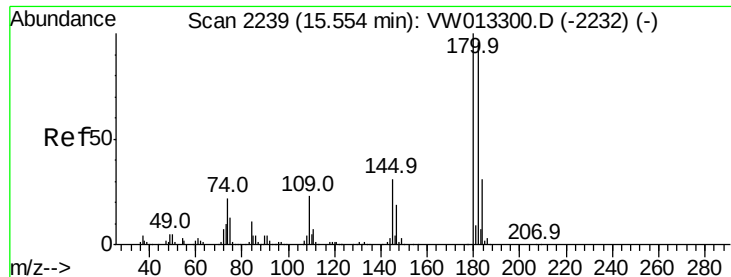
#69
 Naphthalene
 Concen: 1.477 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.01 min
 Lab File: VW013308.D
 Acq: 26 Sep 2019 17:00

Tgt Ion:128 Resp: 25371
 Ion Ratio Lower Upper
 128 100
 129 11.4 8.7 13.1
 127 10.5 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: 1.714 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013308.D

Acq: 26 Sep 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

MDL04

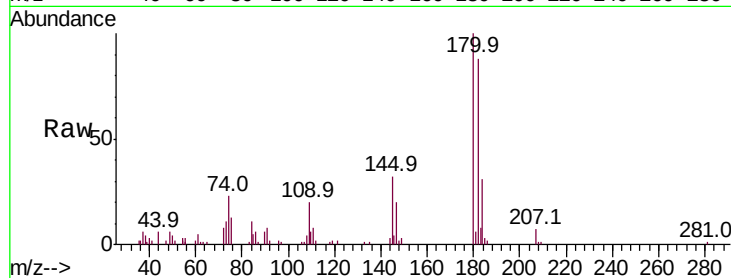
Tot Ion:180 Resp: 14023

Ion Ratio Lower Upper

180 100

182 96.8 78.2 117.4

145 29.7 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

