

Data File : VW014994.D
Acq On : 14 Feb 2020 13:44
Operator : SY/VA
Sample : MDL04 2 PPB
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Quant Time: Feb 15 02:02:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Feb 15 01:59:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	798043	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	742424	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	302914	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	377773	23.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.04%
7) Chloroethane-d5	2.89	69	288387	23.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	4.02	63	515366	17.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.48%
21) 2-Butanone-d5	7.08	46	191164	42.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.36%
24) Chloroform-d	7.65	84	602835	23.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.08%
26) 1,2-Dichloroethane-d4	8.30	65	361835	24.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.24%
32) Benzene-d6	8.27	84	1211669	24.22	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.88%
36) 1,2-Dichloropropane-d6	9.27	67	418312	24.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.24%
41) Toluene-d8	10.32	98	1038272	24.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	10.58	79	150795	23.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.28%
47) 2-Hexanone-d5	10.92	63	134107	43.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.64%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	286194	22.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.16%
66) 1,2-Dichlorobenzene-d4	13.85	152	281512	24.69	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.02	85	12932	1.631 ug/L	93
3) Chloromethane	2.21	50	30462	2.043 ug/L	99
5) Vinyl chloride	2.37	62	40557	2.113 ug/L #	66
6) Bromomethane	2.78	94	17742	2.038 ug/L	90
8) Chloroethane	2.93	64	19620	1.911 ug/L	90
9) Trichlorofluoromethane	3.26	101	13366	1.763 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	11499	0.927 ug/L #	30
12) 1,1-Dichloroethene	4.05	96	26242	2.206 ug/L #	1
13) Acetone	4.13	43	20365	4.355 ug/L	96
14) Carbon disulfide	4.38	76	81146	1.887 ug/L	99
15) Methyl Acetate	4.68	43	14128	1.741 ug/L #	87
16) Methylene chloride	4.92	84	59030	4.003 ug/L	95
17) trans-1,2-Dichloroethene	5.42	96	23145	1.929 ug/L	81
18) Methyl tert-butyl Ether	5.42	73	27552	1.860 ug/L #	90
19) 1,1-Dichloroethane	6.22	63	52625	1.963 ug/L	99
20) cis-1,2-Dichloroethene	7.17	96	24529	1.983 ug/L #	98
22) 2-Butanone	7.17	43	18486	3.289 ug/L	97

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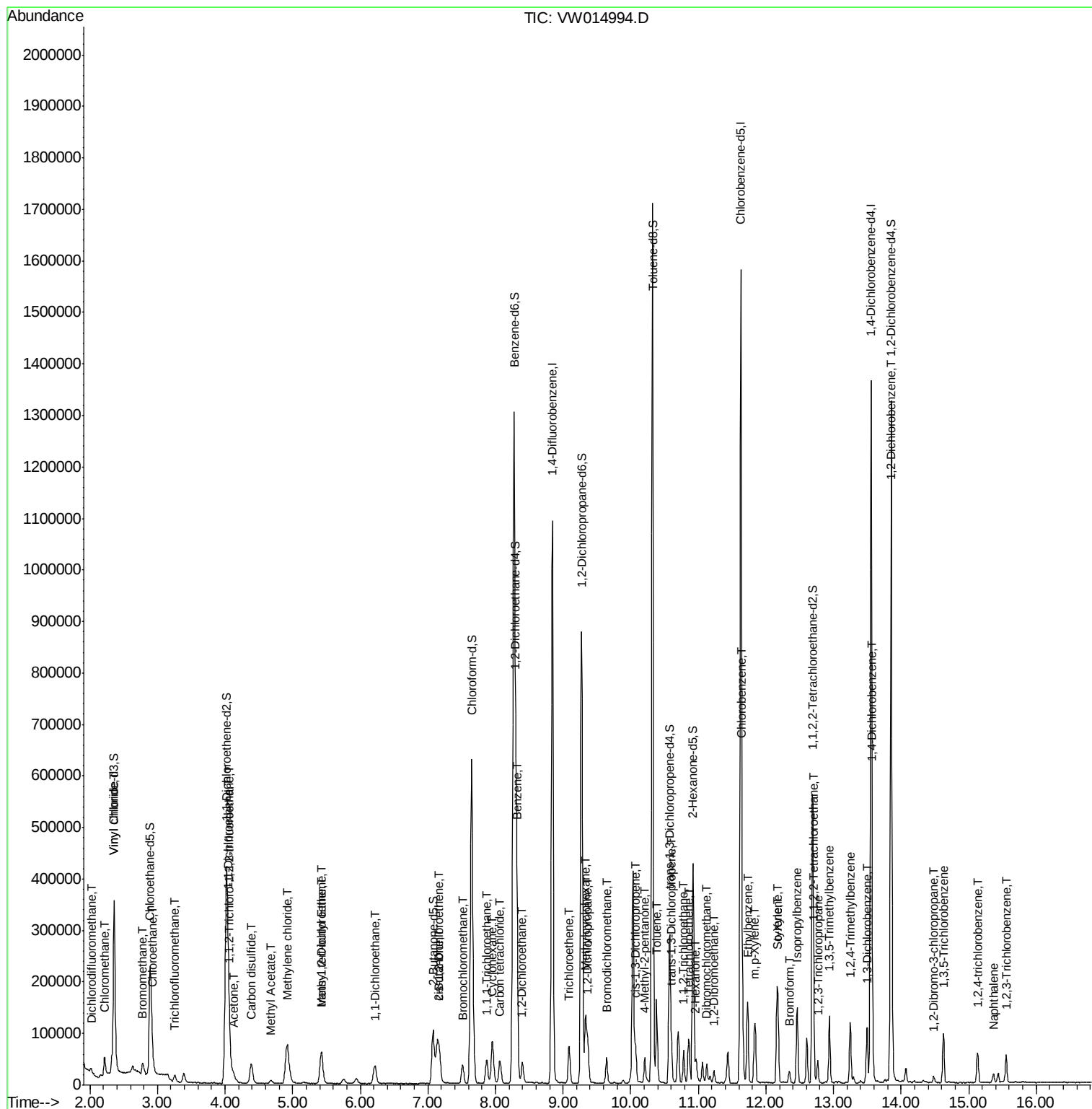
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	9982	1.990	ug/L	83
27) 1,2-Dichloroethane	8.40	62	34331	1.956	ug/L	98
29) Cyclohexane	7.96	56	39273	1.622	ug/L	98
30) 1,1,1-Trichloroethane	7.87	97	35484	1.965	ug/L	96
31) Carbon tetrachloride	8.07	117	31736	1.950	ug/L	98
33) Benzene	8.32	78	110739	2.032	ug/L	100
34) Trichloroethene	9.09	95	25796	1.976	ug/L	94
35) Methylcyclohexane	9.34	83	39844	1.770	ug/L	95
37) 1,2-Dichloropropane	9.37	63	29973	1.969	ug/L	99
38) Bromodichloromethane	9.64	83	33644	1.963	ug/L	99
39) cis-1,3-Dichloropropene	10.07	75	37112	1.822	ug/L	99
40) 4-Methyl-2-pentanone	10.21	43	34960	3.226	ug/L	99
42) Toluene	10.38	91	108086	2.052	ug/L	99
44) trans-1,3-Dichloropropene	10.60	75	38808	2.297	ug/L	98
45) 1,1,2-Trichloroethane	10.79	97	17463	1.891	ug/L	93
46) Tetrachloroethene	10.86	164	16765	1.978	ug/L	90
48) 2-Hexanone	10.97	43	25651	3.248	ug/L	97
49) Dibromochloromethane	11.12	129	17578	1.827	ug/L	95
50) 1,2-Dibromoethane	11.23	107	15402	1.850	ug/L	83
51) Chlorobenzene	11.65	112	61336	1.974	ug/L	98
52) Ethylbenzene	11.73	91	103080	1.797	ug/L	99
53) m,p-Xylene	11.84	106	36623	1.819	ug/L	90
54) o-Xylene	12.16	106	30586	1.618	ug/L	90
55) Styrene	12.18	104	50197	1.540	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.71	83	24319	1.968	ug/L	98
59) Bromoform	12.35	173	9320	2.012	ug/L	98
60) Isopropylbenzene	12.46	105	81170	1.712	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	18074	2.036	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	61965	1.639	ug/L	98
63) 1,2,4-Trimethylbenzene	13.25	105	58123	1.571	ug/L	100
64) 1,3-Dichlorobenzene	13.50	146	37695	1.928	ug/L	98
65) 1,4-Dichlorobenzene	13.58	146	40225	1.996	ug/L	98
67) 1,2-Dichlorobenzene	13.86	146	38074	2.105	ug/L	93
68) 1,2-Dibromo-3-chloropropan	14.48	75	3755	2.023	ug/L #	89
69) 1,3,5-Trichlorobenzene	14.63	180	25865	1.974	ug/L	96
70) 1,2,4-trichlorobenzene	15.13	180	16974	1.729	ug/L	98
71) Naphthalene	15.36	128	13031	1.292	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	15887	1.746	ug/L	100

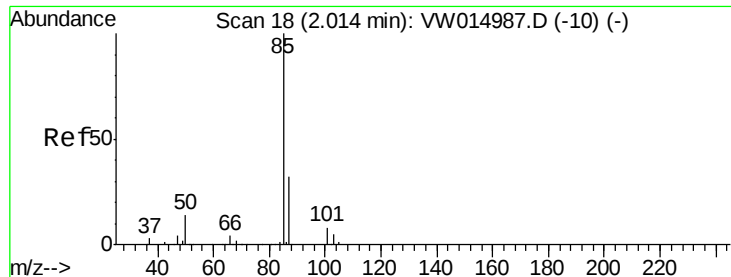
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.631 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

ClientSampleId :

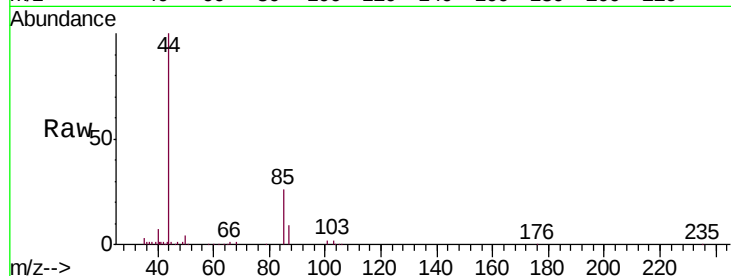
MDL04

Tgt Ion: 85 Resp: 12932

Ion Ratio Lower Upper

85 100

87 30.3 21.5 32.3



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

6000

5000

4000

3000

2000

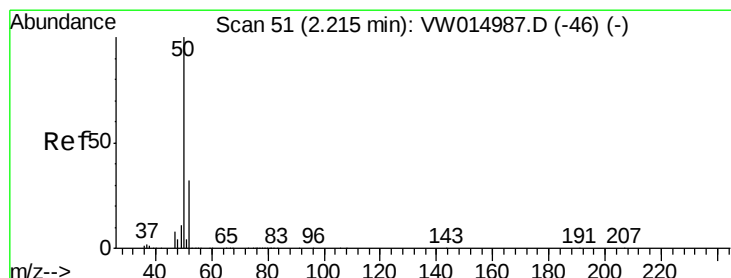
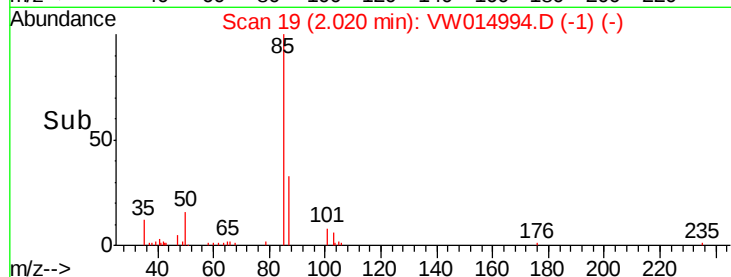
1000

0

Time-->

1.95 2.00 2.05 2.10

2.02



#3

Chloromethane

Concen: 2.043 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014994.D

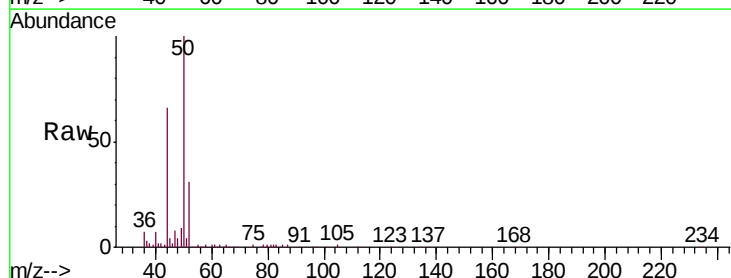
Acq: 14 Feb 2020 13:44

Tgt Ion: 50 Resp: 30462

Ion Ratio Lower Upper

50 100

52 31.2 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

20000

15000

10000

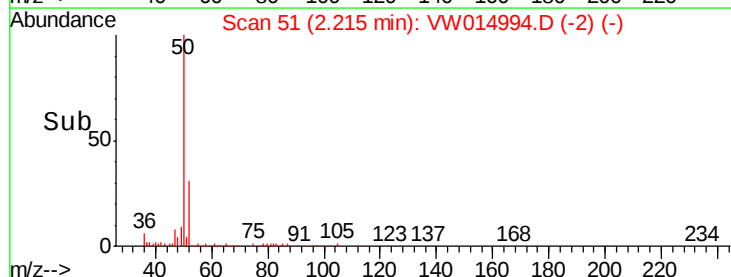
5000

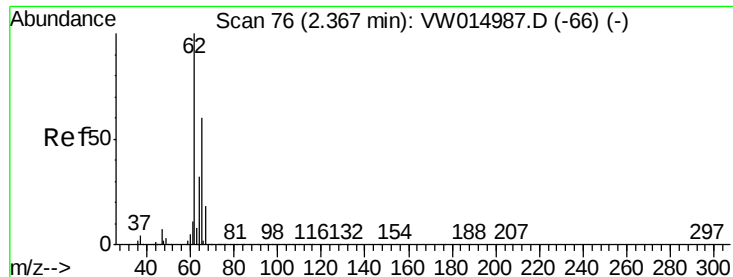
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Time-->

2.15 2.20 2.25

2.21





#5

Vinyl chloride

Concen: 2.113 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

ClientSampled :

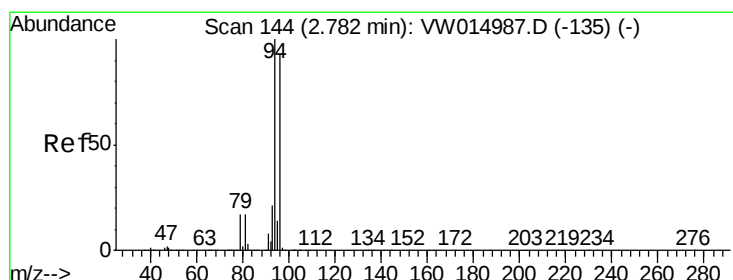
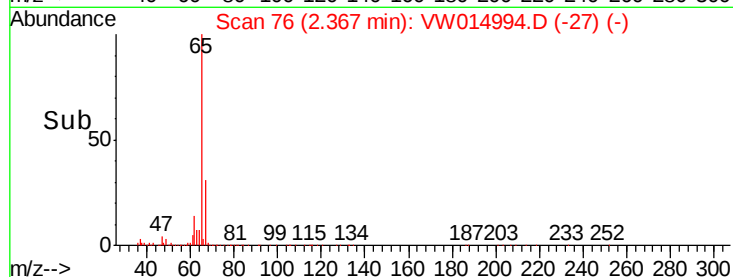
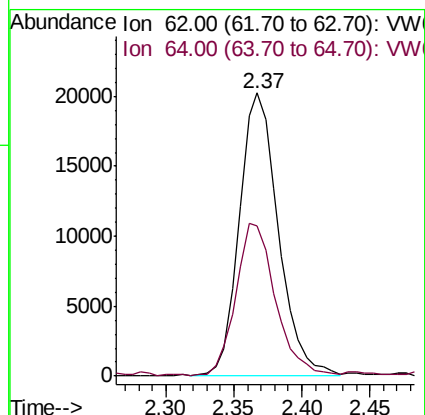
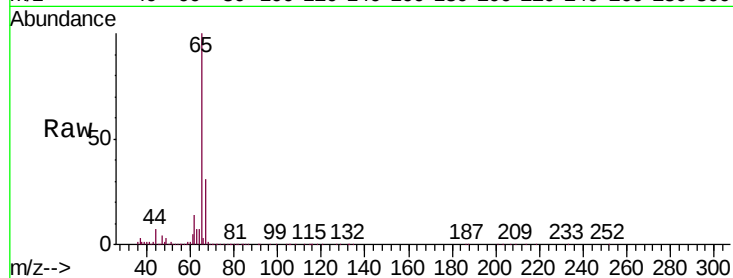
MDL04

Tgt Ion: 62 Resp: 40557

Ion Ratio Lower Upper

62 100

64 53.0 23.6 43.8#



#6

Bromomethane

Concen: 2.038 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014994.D

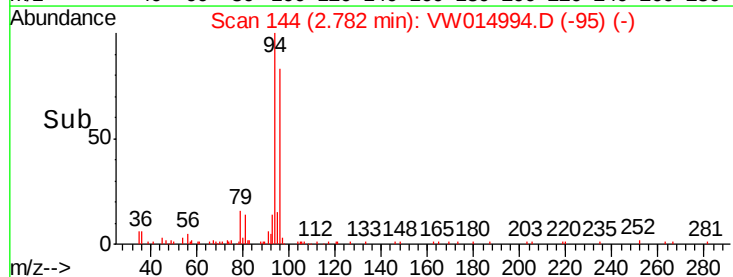
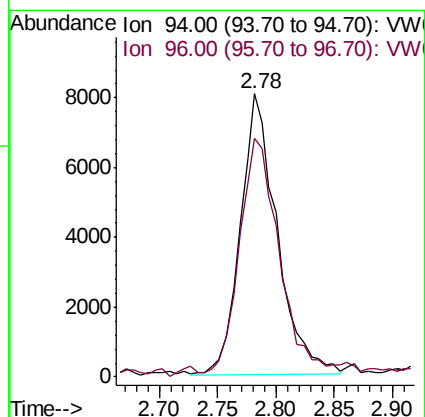
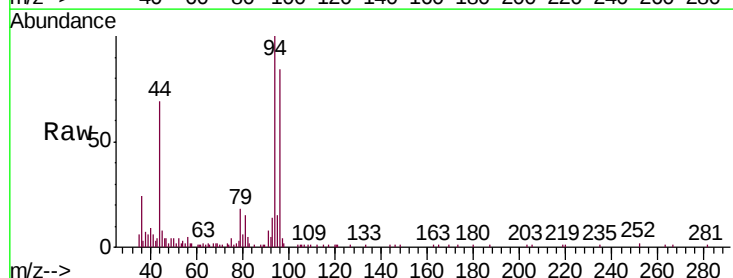
Acq: 14 Feb 2020 13:44

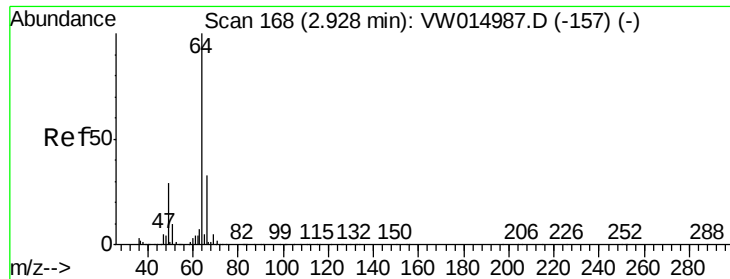
Tgt Ion: 94 Resp: 17742

Ion Ratio Lower Upper

94 100

96 84.3 65.8 122.2





#8

Chloroethane

Concen: 1.911 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

ClientSampleId :

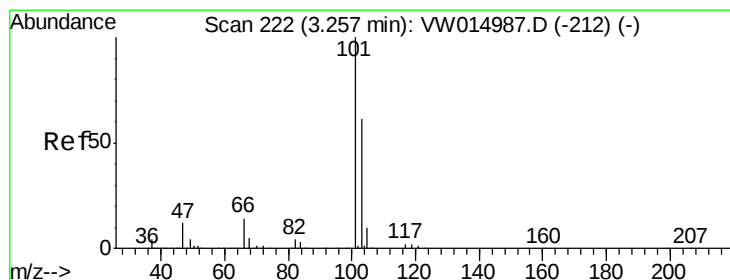
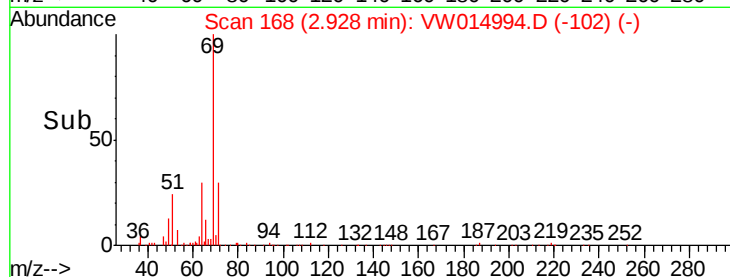
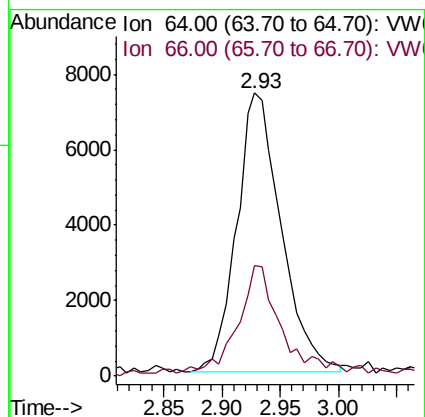
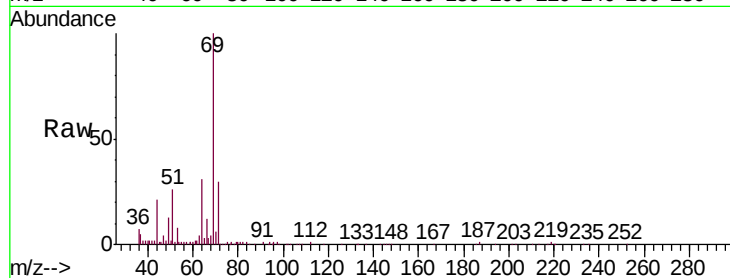
MDL04

Tgt Ion: 64 Resp: 19620

Ion Ratio Lower Upper

64 100

66 38.9 23.1 42.9



#9

Trichlorofluoromethane

Concen: 1.763 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW014994.D

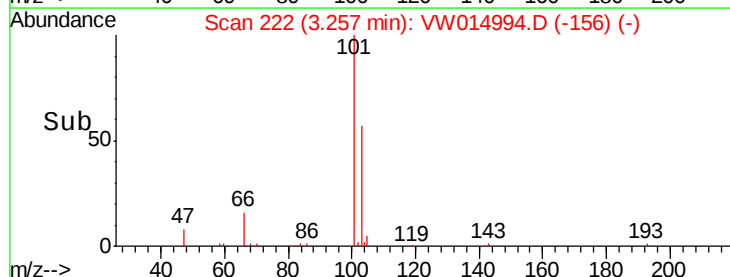
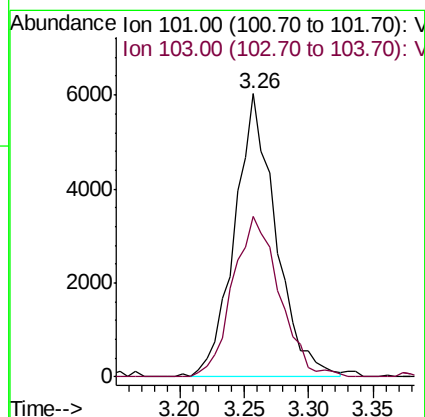
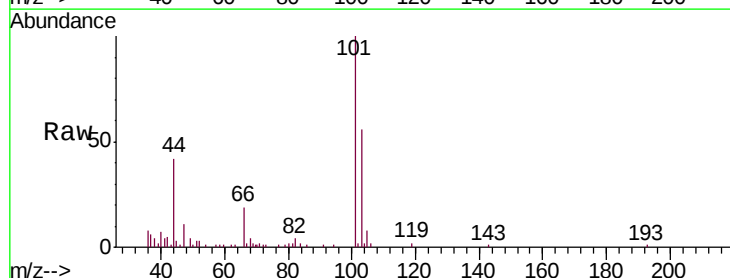
Acq: 14 Feb 2020 13:44

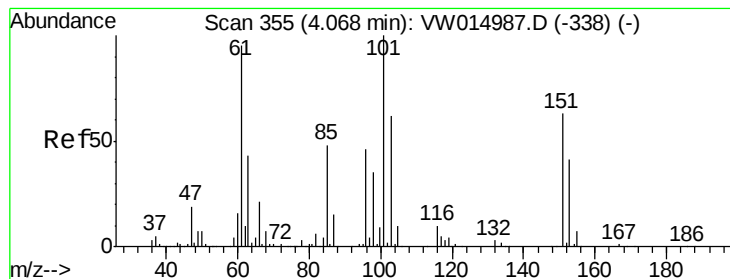
Tgt Ion: 101 Resp: 13366

Ion Ratio Lower Upper

101 100

103 63.3 51.5 77.3





#10

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

Concen: 0.927 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

ClientSampled :

MDL04

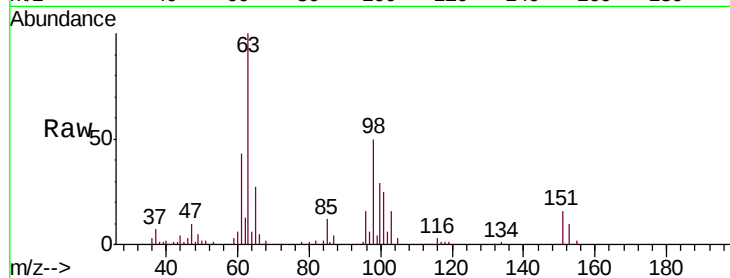
Tgt Ion: 101 Resp: 11499

Ion Ratio Lower Upper

101 100

85 92.1 36.5 54.7#

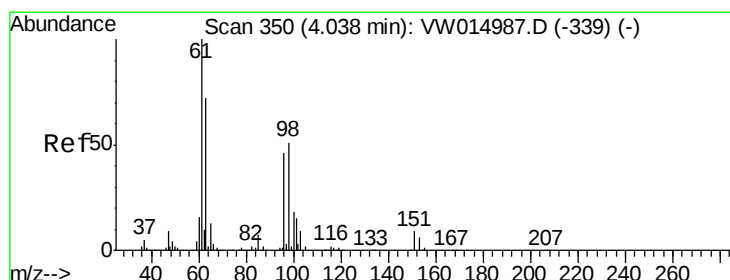
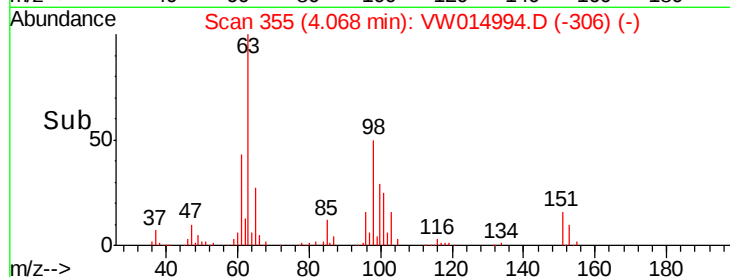
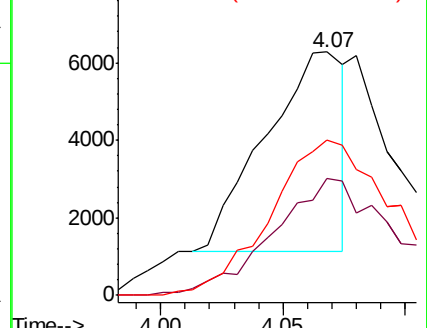
151 117.0 50.2 75.4#



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: 2.206 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW014994.D

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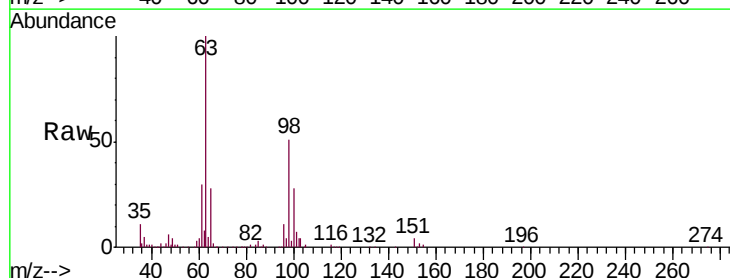
Tgt Ion: 96 Resp: 26242

Ion Ratio Lower Upper

96 100

61 269.1 147.0 273.0

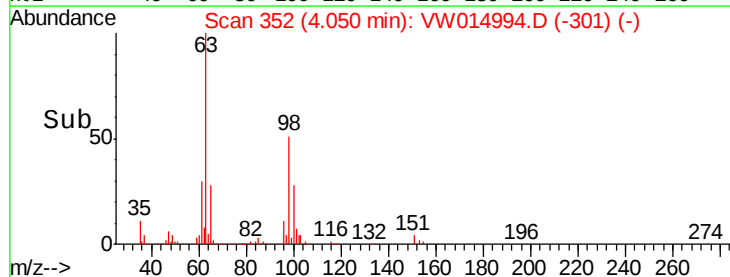
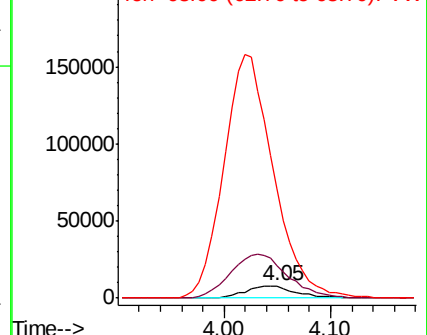
63 891.4 113.4 210.6#

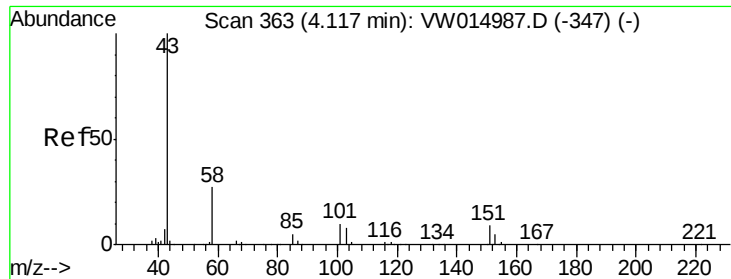


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 4.355 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

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Acq: 14 Feb 2020 13:44

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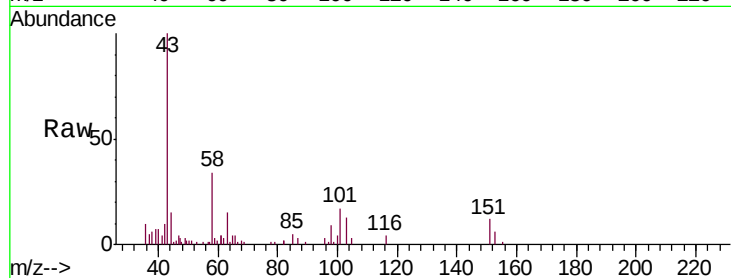
MDL04

Tgt Ion: 43 Resp: 20365

Ion Ratio Lower Upper

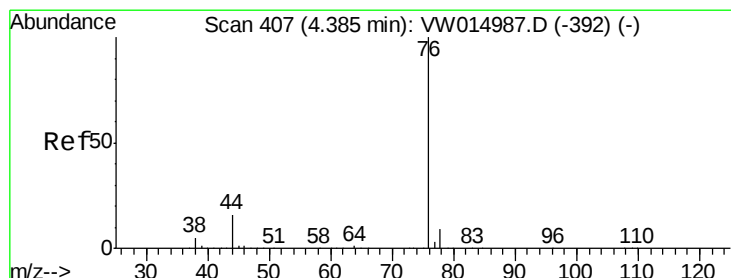
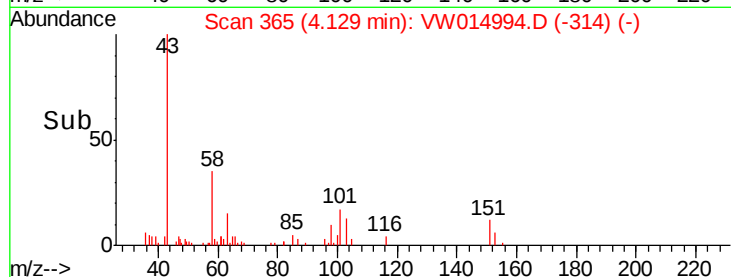
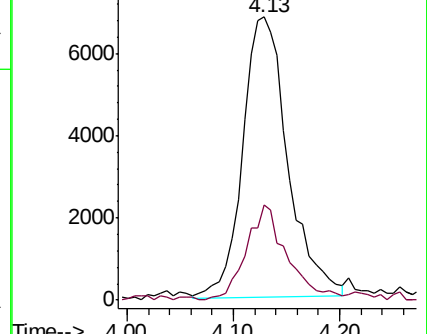
43 100

58 29.6 0.0 54.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 1.887 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014994.D

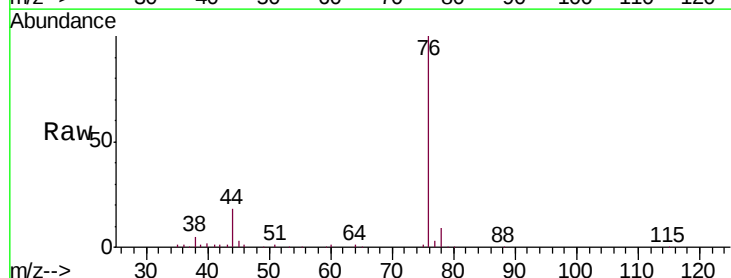
Acq: 14 Feb 2020 13:44

Tgt Ion: 76 Resp: 81146

Ion Ratio Lower Upper

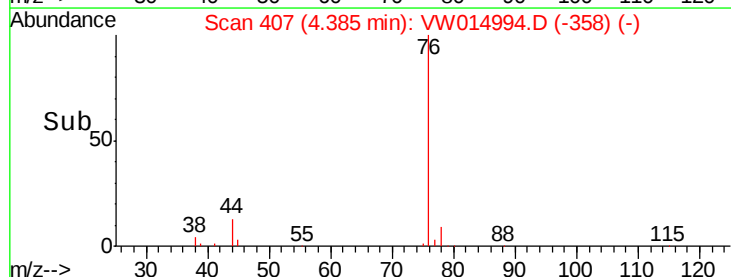
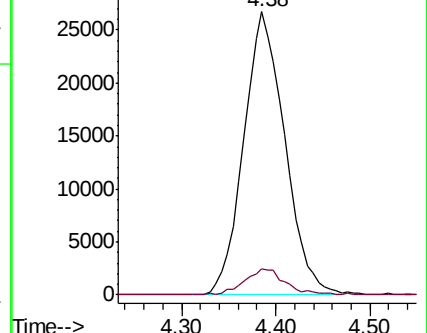
76 100

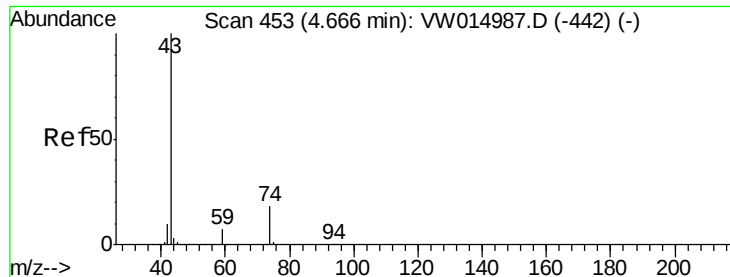
78 9.3 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

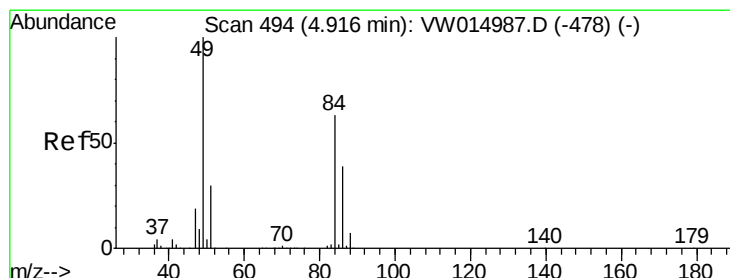
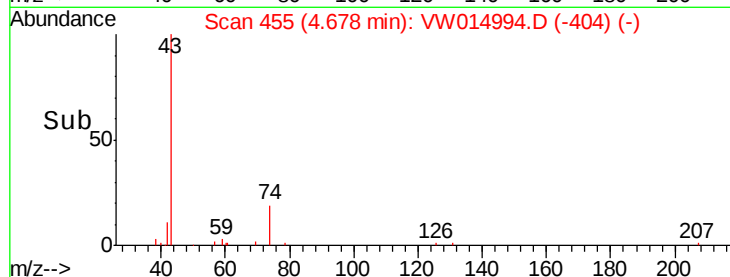
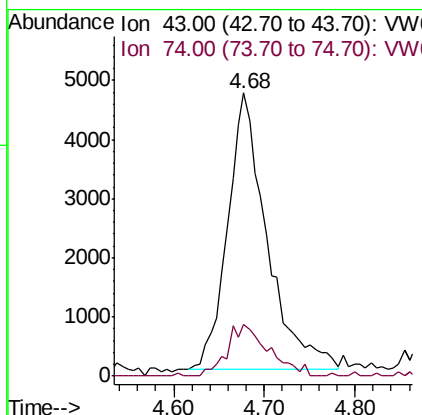
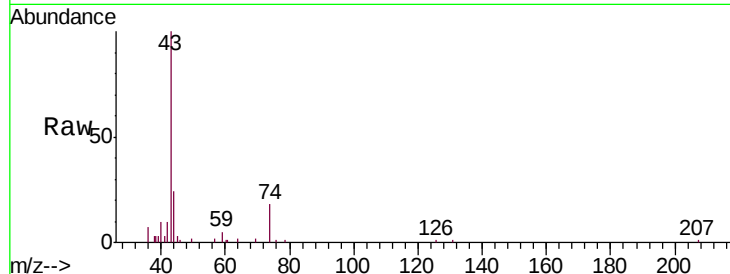




#15
Methyl Acetate
Concen: 1.741 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

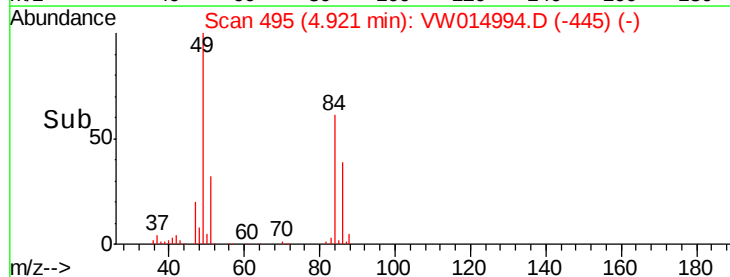
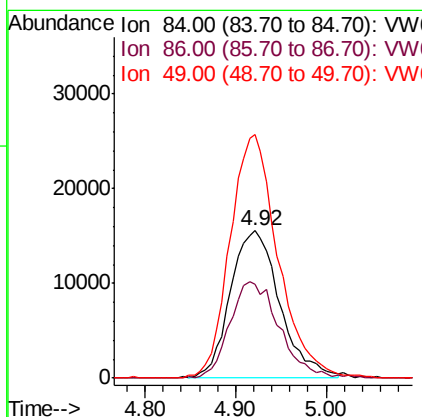
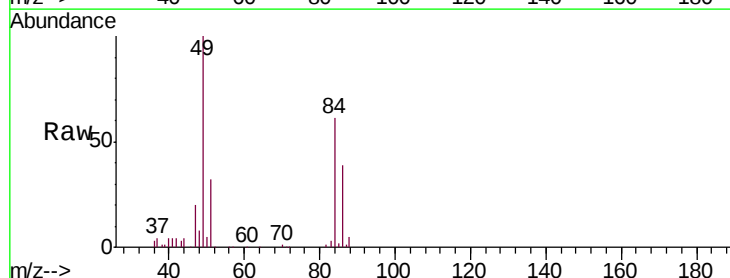
Instrument :
MSVOA_W
ClientSampled :
MDL04

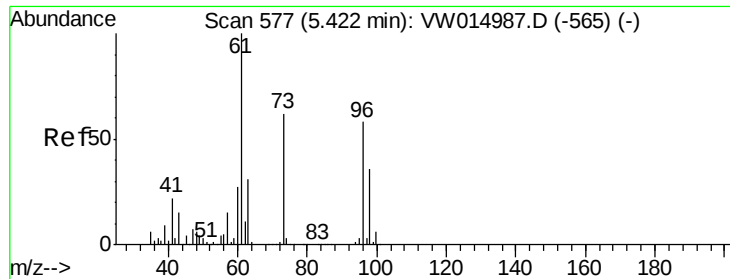
Tgt Ion: 43 Resp: 14128
Ion Ratio Lower Upper
43 100
74 12.4 14.6 21.8#



#16
Methylene chloride
Concen: 4.003 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Tgt Ion: 84 Resp: 59030
Ion Ratio Lower Upper
84 100
86 64.0 44.4 82.4
49 165.0 109.0 202.4

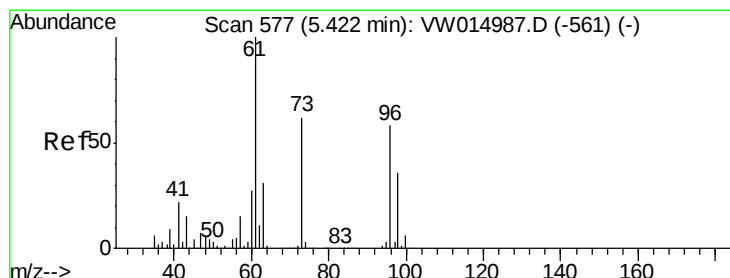
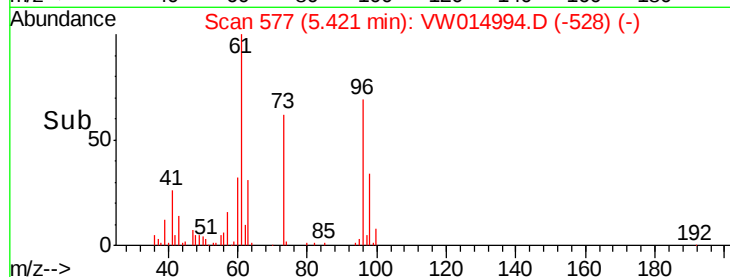
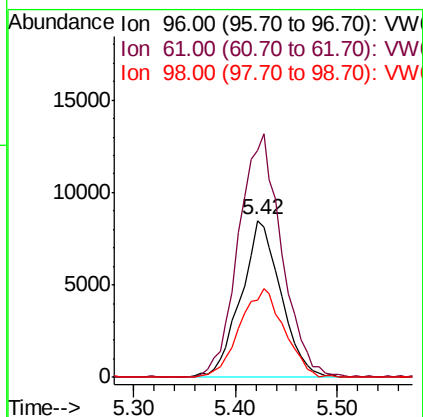
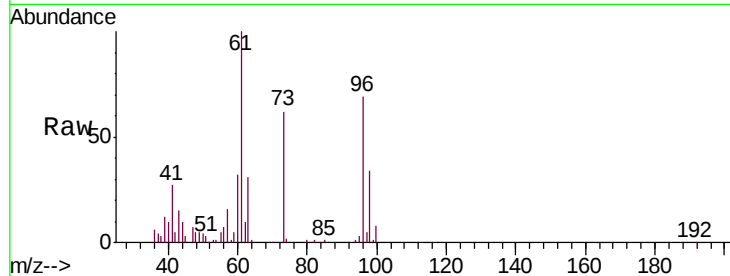




#17
trans-1,2-Dichloroethene
Concen: 1.929 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

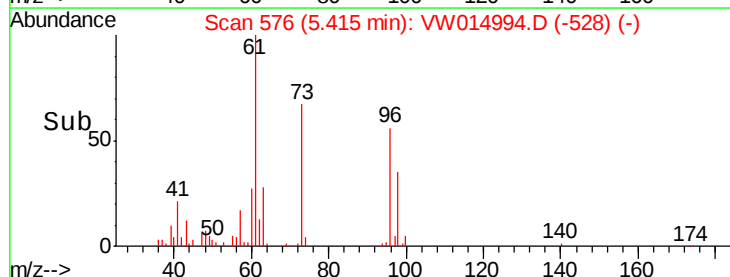
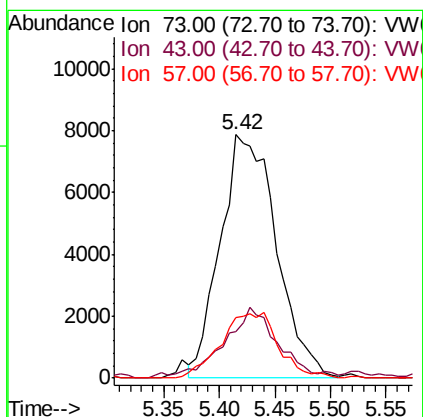
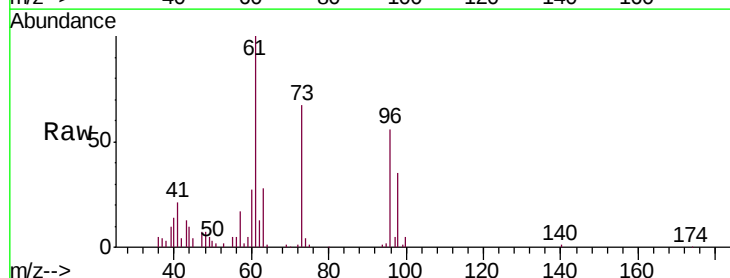
Instrument :
MSVOA_W
ClientSampleId :
MDL04

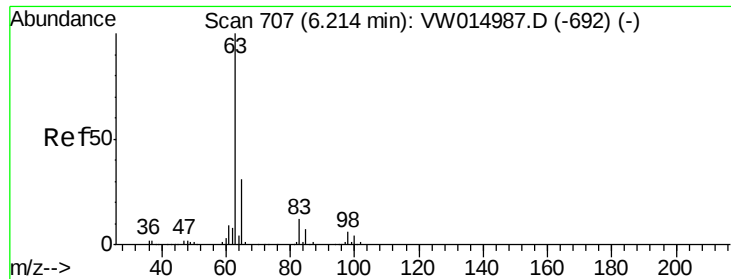
Tgt Ion: 96 Resp: 23145
Ion Ratio Lower Upper
96 100
61 144.4 120.1 223.1
98 49.4 43.8 81.3



#18
Methyl tert-butyl Ether
Concen: 1.860 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Tgt Ion: 73 Resp: 27552
Ion Ratio Lower Upper
73 100
43 22.7 19.6 29.4
57 17.8 21.0 31.4#





#19

1,1-Dichloroethane

Concen: 1.963 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

ClientSampled :

MDL04

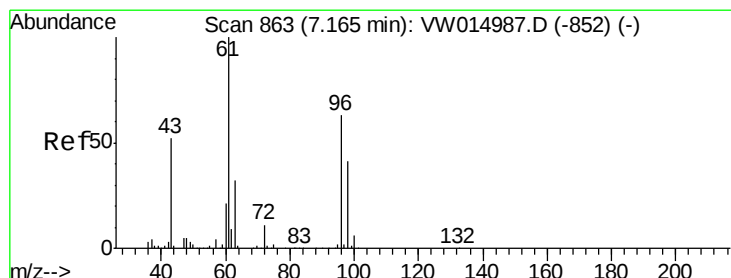
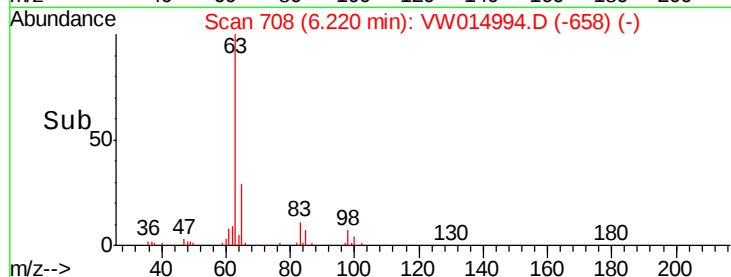
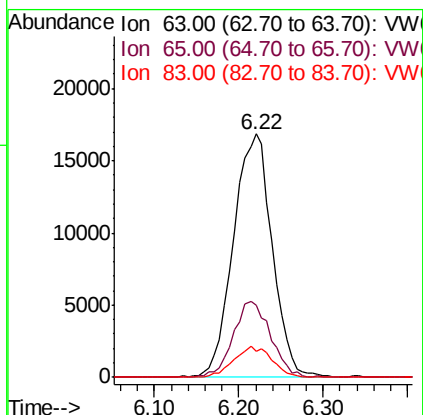
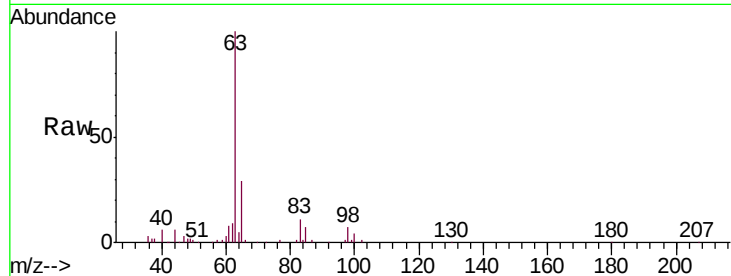
Tgt Ion: 63 Resp: 52625

Ion Ratio Lower Upper

63 100

65 29.4 20.9 38.7

83 10.6 7.8 14.6



#20

cis-1,2-Dichloroethene

Concen: 1.983 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

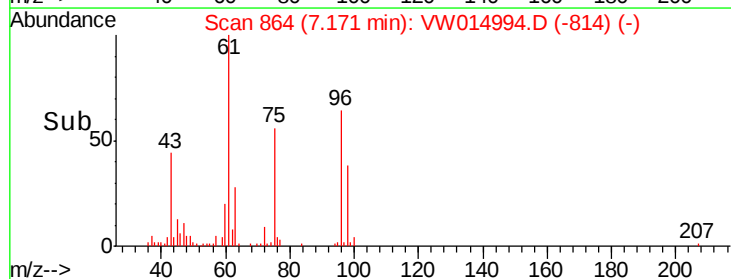
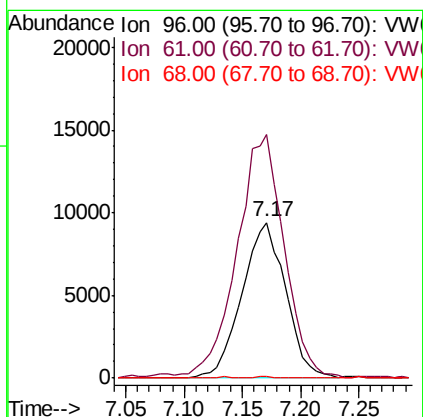
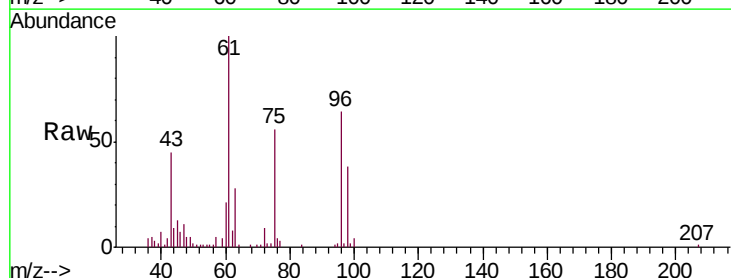
Tgt Ion: 96 Resp: 24529

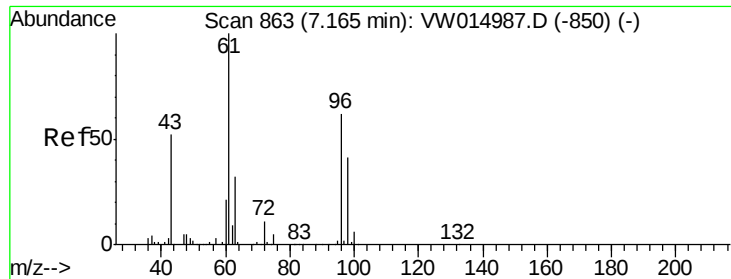
Ion Ratio Lower Upper

96 100

61 156.6 111.5 207.1

68 1.0 0.0 0.0#





#22

2-Butanone

Concen: 3.289 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

ClientSampled :

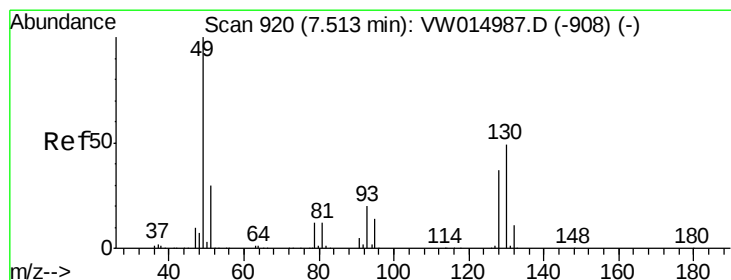
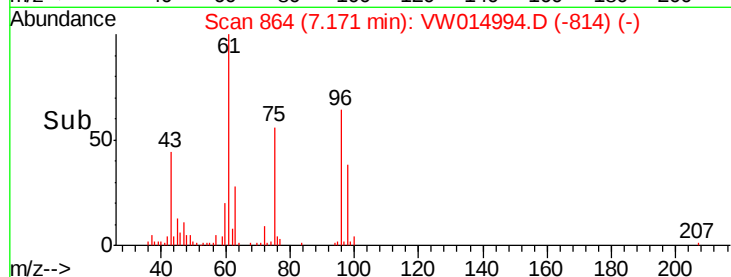
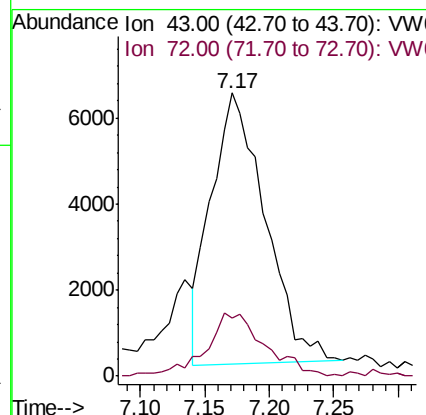
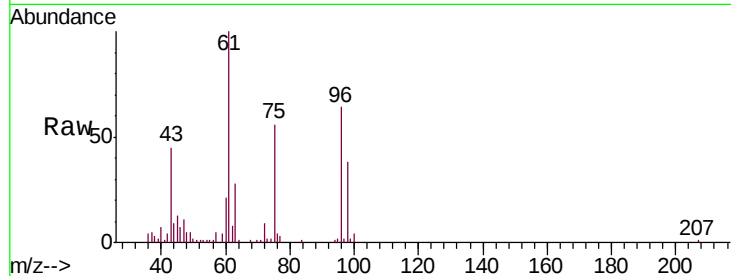
MDL04

Tgt Ion: 43 Resp: 18486

Ion Ratio Lower Upper

43 100

72 20.5 11.1 33.1



#23

Bromochloromethane

Concen: 1.990 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Tgt Ion: 128 Resp: 9982

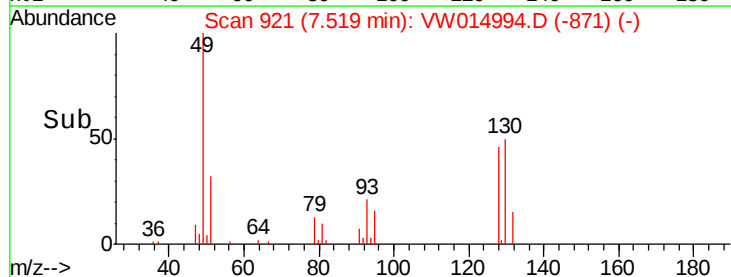
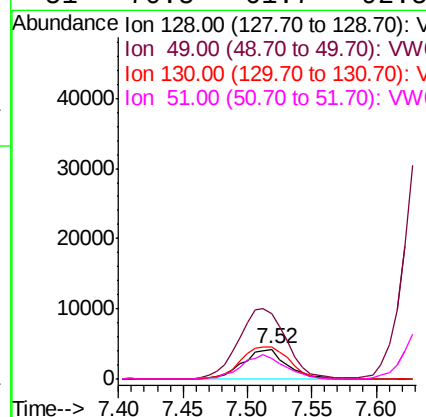
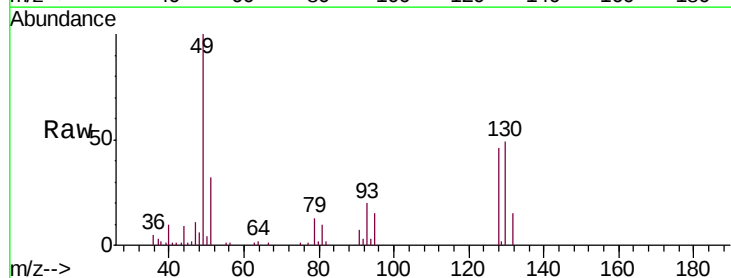
Ion Ratio Lower Upper

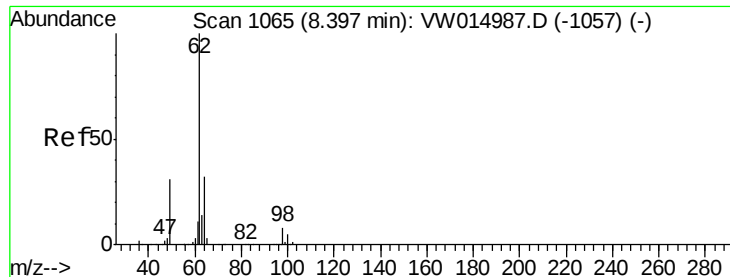
128 100

49 217.9 179.0 332.4

130 107.5 85.5 158.7

51 70.5 61.7 92.5





#27

1,2-Dichloroethane

Concen: 1.956 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

ClientSampleId :

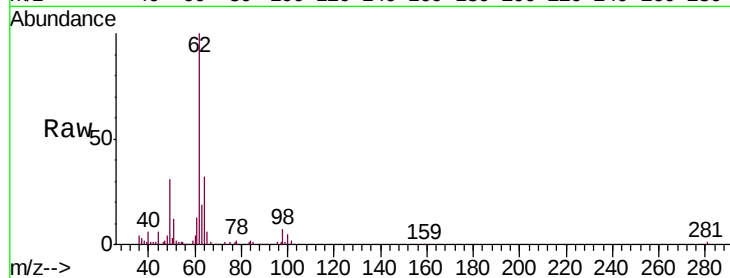
MDL04

Tgt Ion: 62 Resp: 34331

Ion Ratio Lower Upper

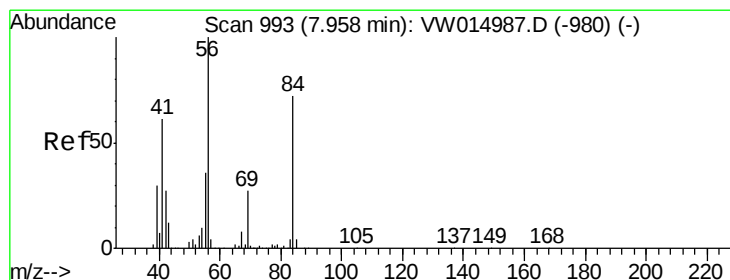
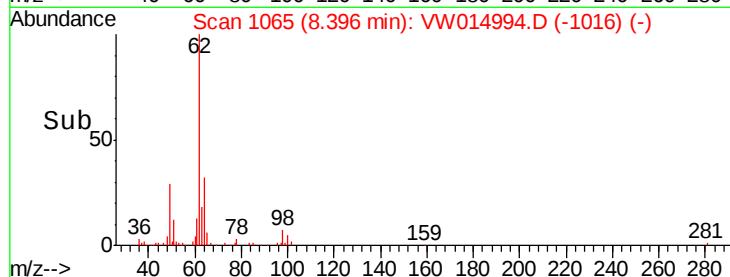
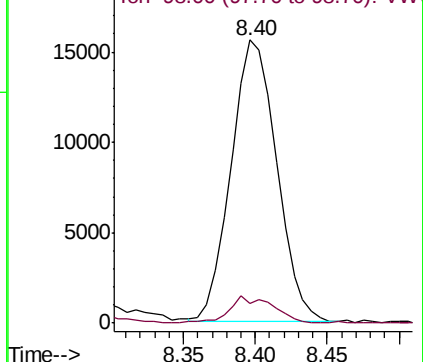
62 100

98 7.0 6.2 9.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW



#29

Cyclohexane

Concen: 1.622 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

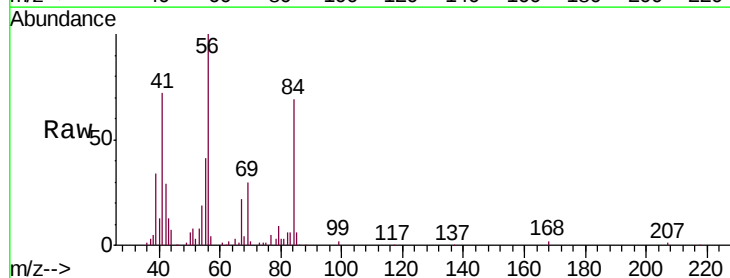
Tgt Ion: 56 Resp: 39273

Ion Ratio Lower Upper

56 100

69 28.2 22.0 33.0

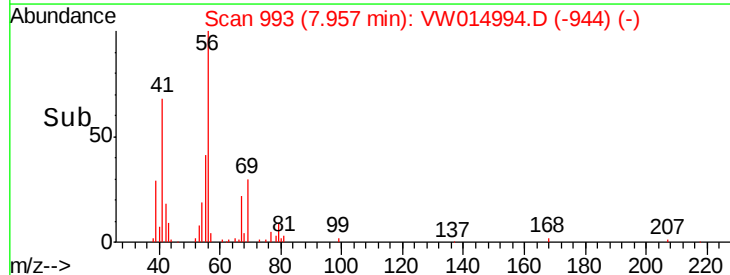
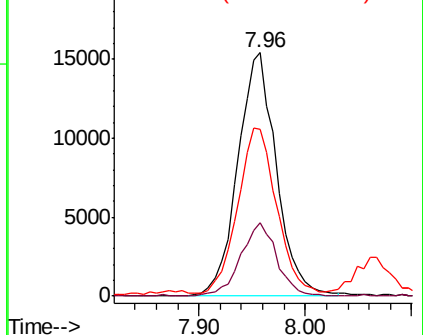
84 70.3 57.8 86.6

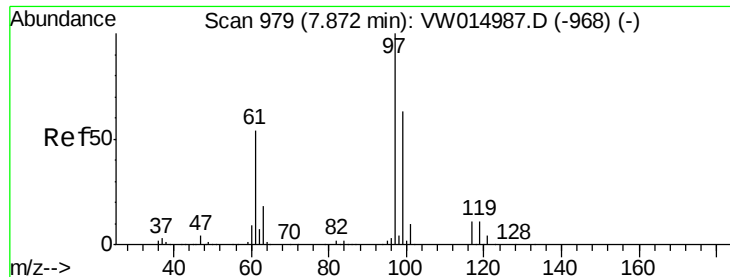


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

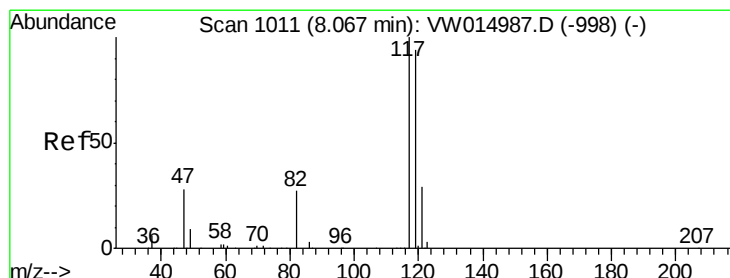
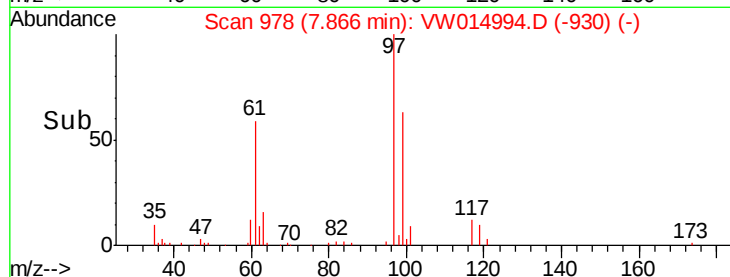
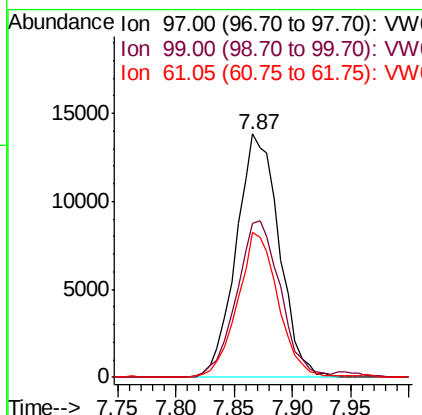
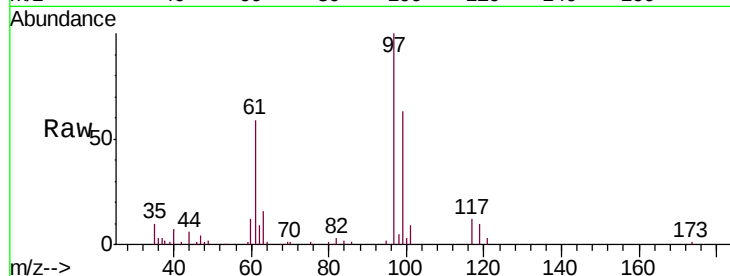




#30
 1,1,1-Trichloroethane
 Concen: 1.965 ug/L
 RT: 7.87 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

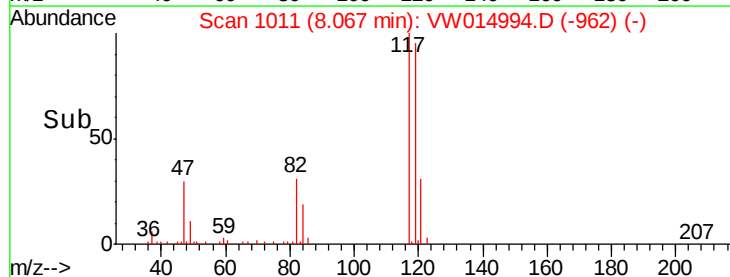
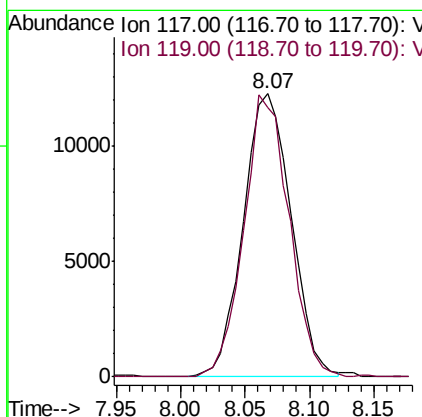
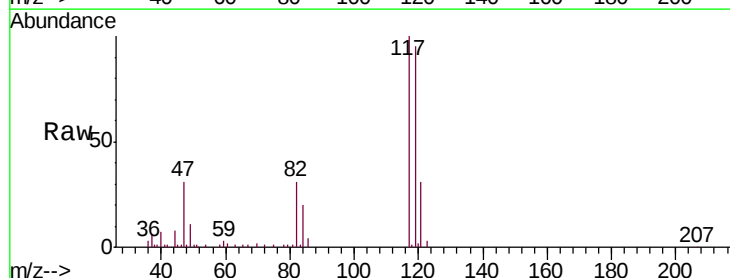
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

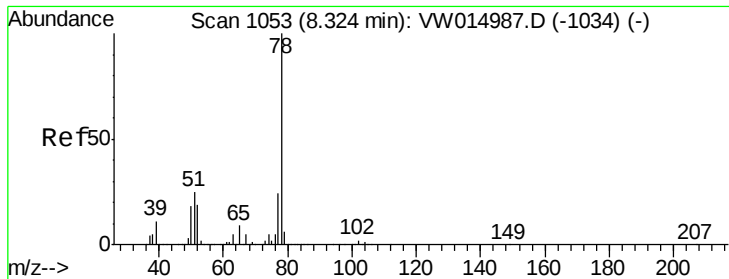
Tgt Ion: 97 Resp: 35484
 Ion Ratio Lower Upper
 97 100
 99 65.8 50.6 75.8
 61 56.4 42.7 64.1



#31
 Carbon tetrachloride
 Concen: 1.950 ug/L
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

Tgt Ion: 117 Resp: 31736
 Ion Ratio Lower Upper
 117 100
 119 93.6 76.6 114.8





#33

Benzene

Concen: 2.032 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

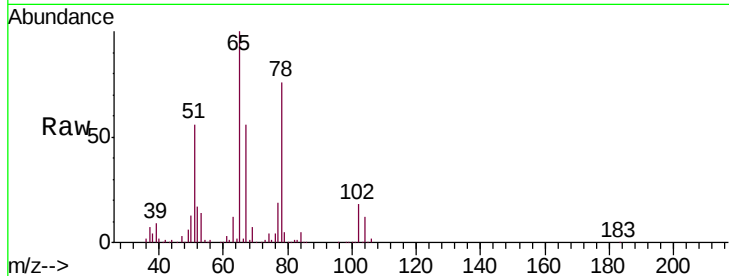
Instrument :

MSVOA_W

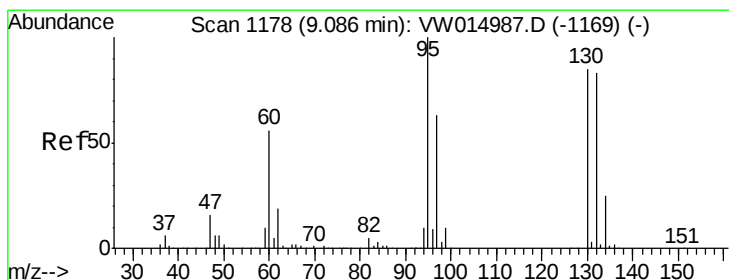
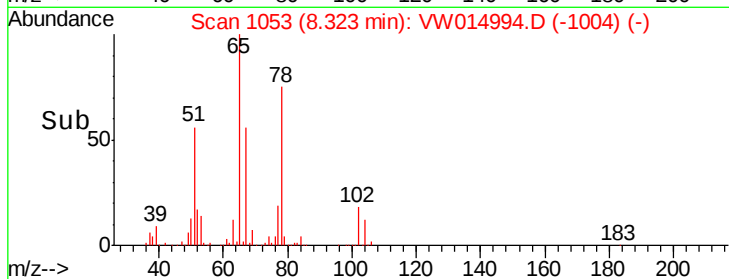
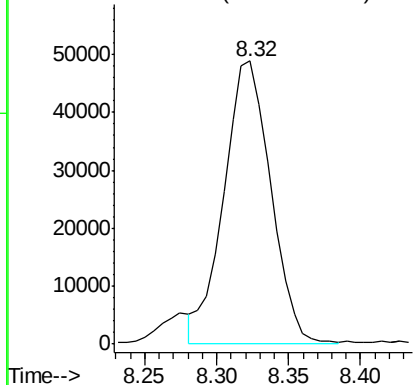
ClientSampleId :

MDL04

Tgt Ion: 78 Resp: 110739



Abundance Ion 78.00 (77.70 to 78.70): VW



#34

Trichloroethene

Concen: 1.976 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Tgt Ion: 95 Resp: 25796

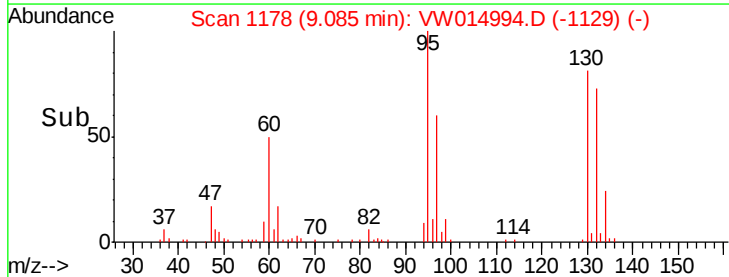
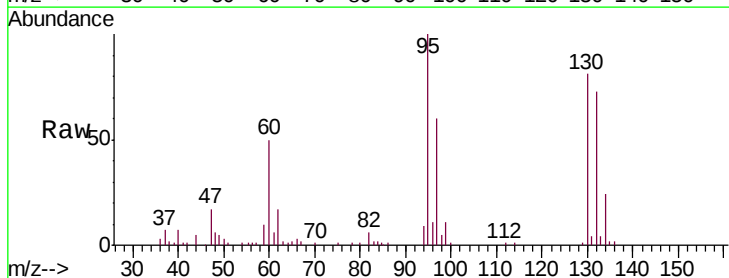
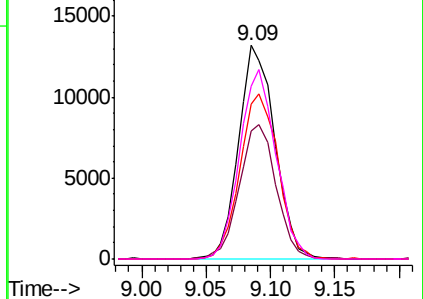
Ion	Ratio	Lower	Upper
95	100		
97	60.1	44.2	82.0
132	72.6	56.1	104.3
130	81.0	60.1	111.7

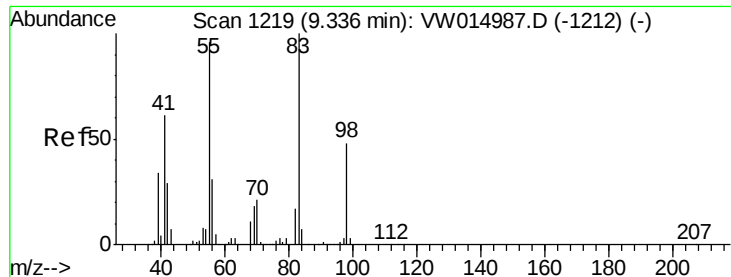
Abundance Ion 95.00 (94.70 to 95.70): VW

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

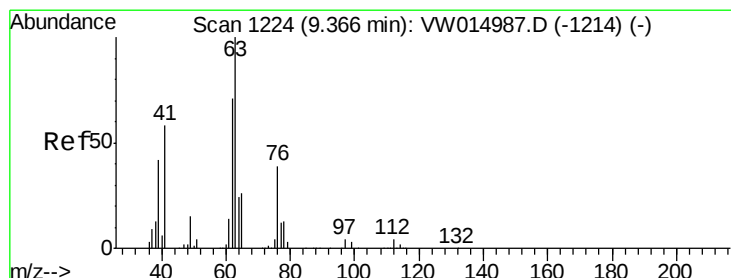
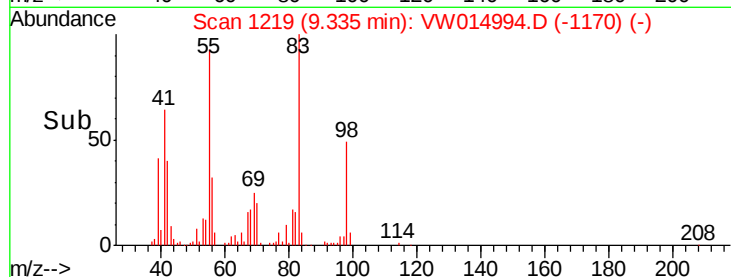
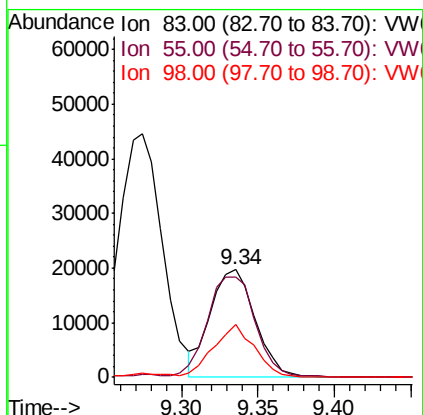
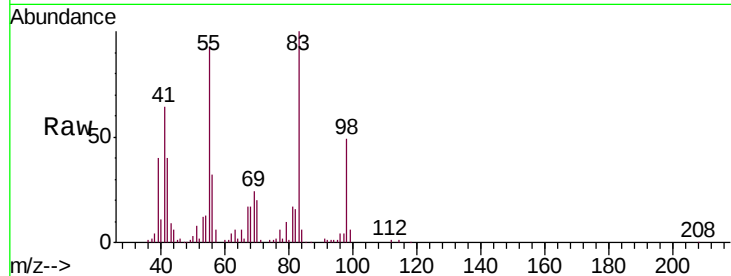




#35
Methylcyclohexane
Concen: 1.770 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

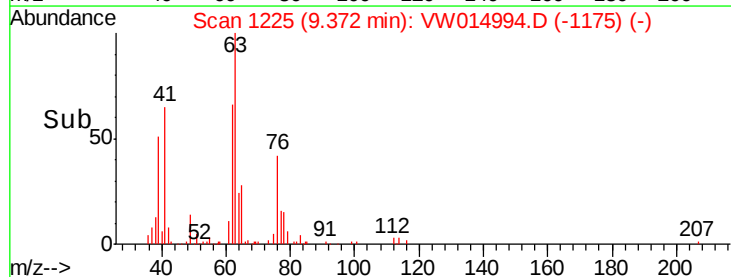
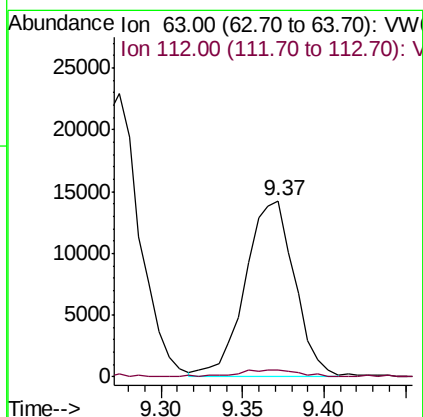
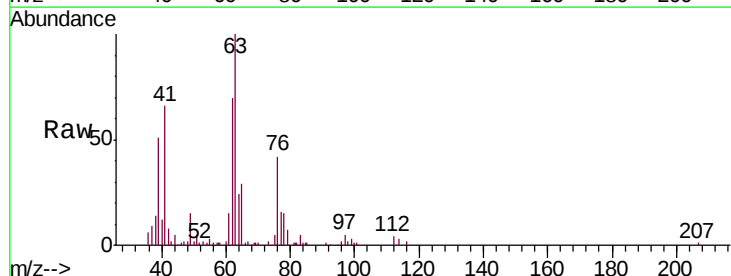
Instrument :
MSVOA_W
ClientSampled :
MDL04

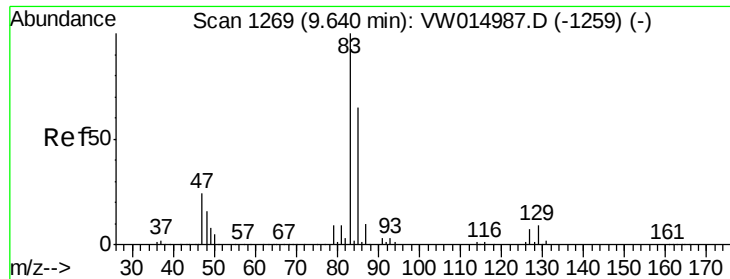
Tgt Ion: 83 Resp: 39844
Ion Ratio Lower Upper
83 100
55 101.8 76.3 114.5
98 44.6 36.4 54.6



#37
1,2-Dichloropropane
Concen: 1.969 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Tgt Ion: 63 Resp: 29973
Ion Ratio Lower Upper
63 100
112 3.0 2.6 4.0

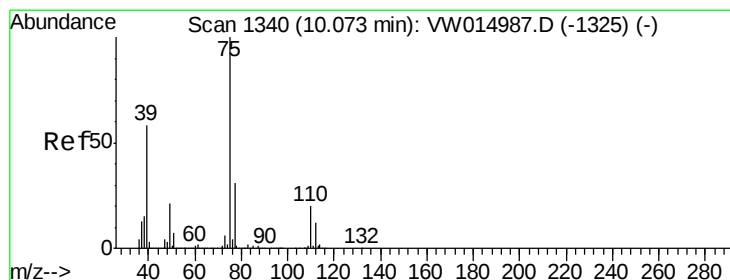
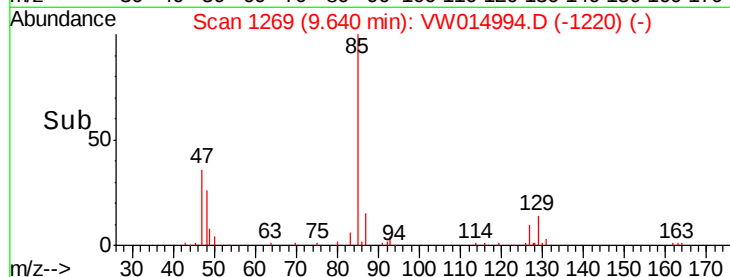
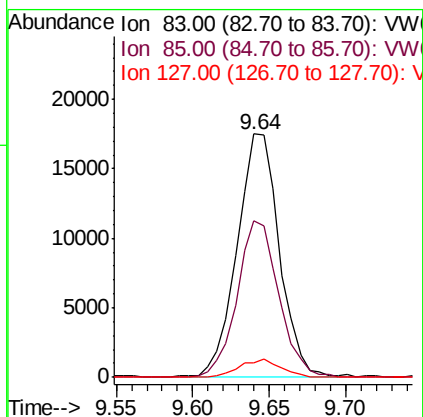
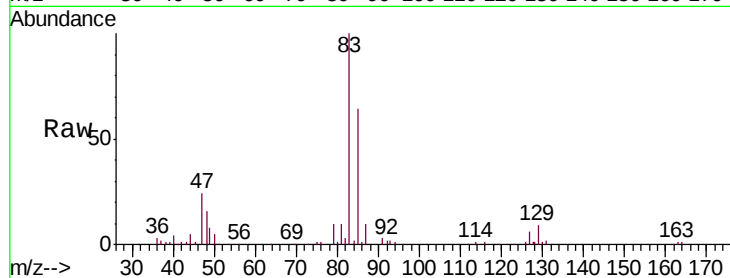




#38
 Bromodichloromethane
 Concen: 1.963 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

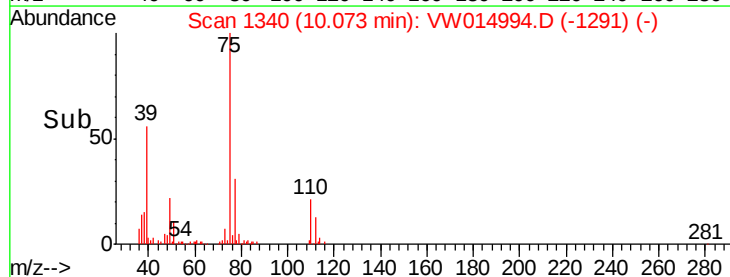
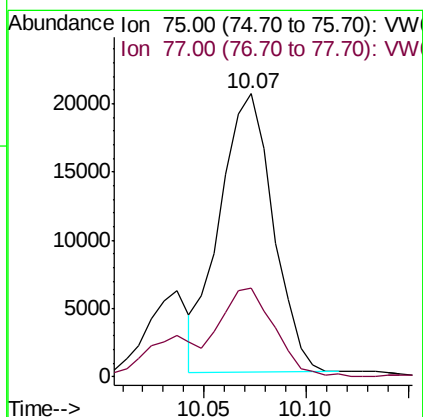
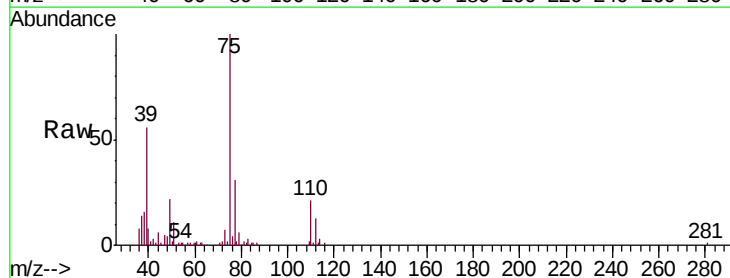
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

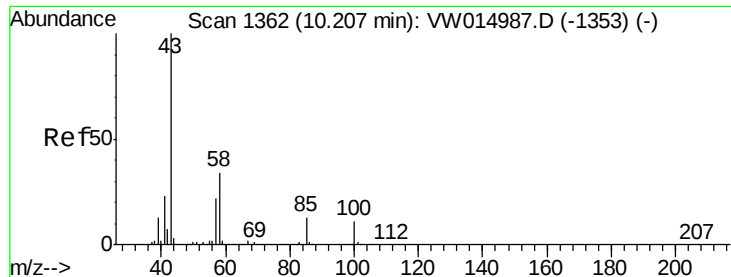
Tgt Ion: 83 Resp: 33644
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.2 84.0
 127 6.2 5.5 8.3



#39
 cis-1,3-Dichloropropene
 Concen: 1.822 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

Tgt Ion: 75 Resp: 37112
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.6 40.2

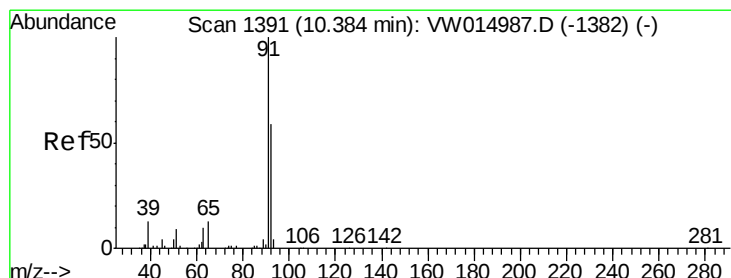
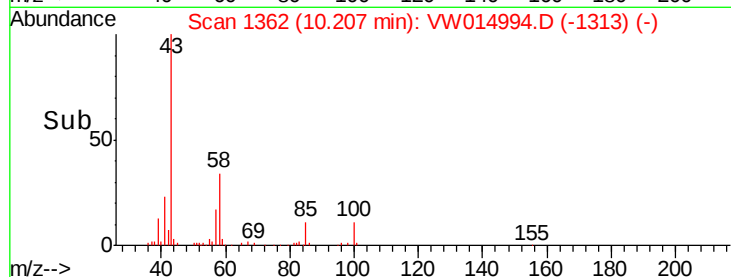
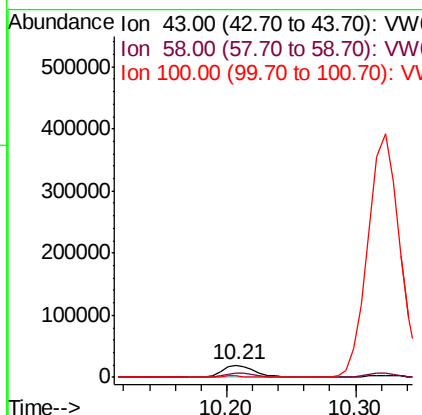
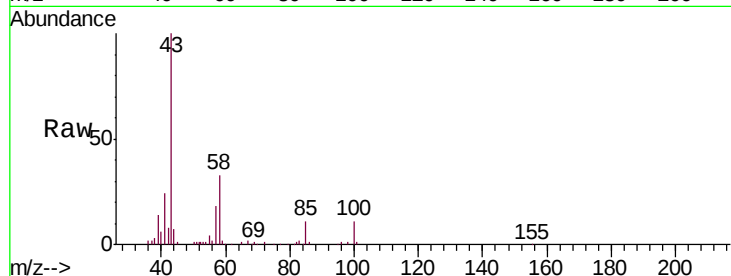




#40
4-Methyl-2-pentanone
Concen: 3.226 ug/L
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

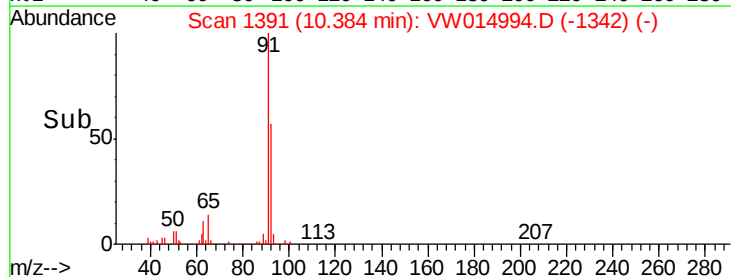
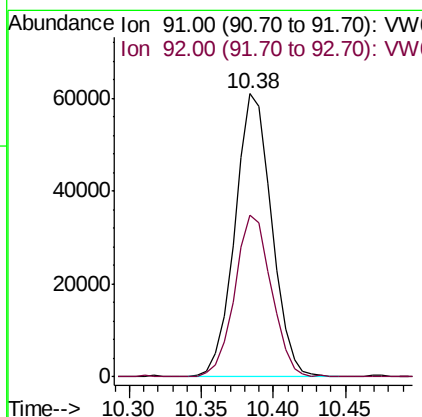
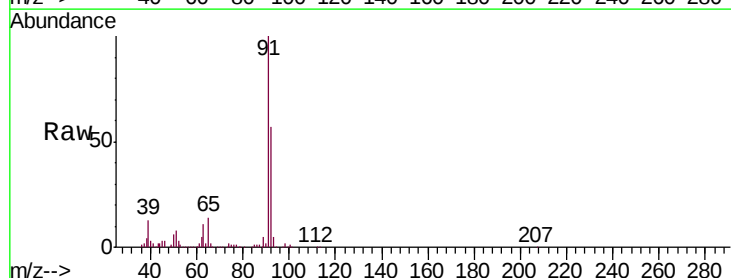
Instrument :
MSVOA_W
ClientSampled :
MDL04

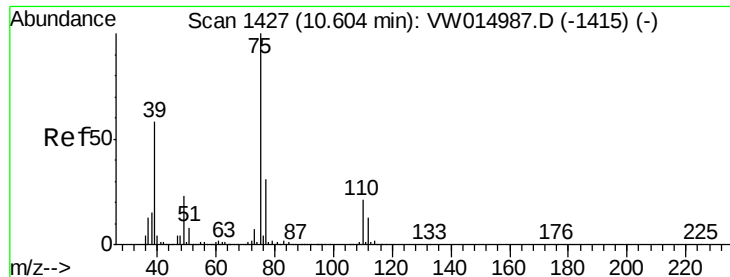
Tgt Ion: 43 Resp: 34960
Ion Ratio Lower Upper
43 100
58 35.6 27.7 41.5
100 11.1 8.6 13.0



#42
Toluene
Concen: 2.052 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Tgt Ion: 91 Resp: 108086
Ion Ratio Lower Upper
91 100
92 57.1 39.5 73.3





#44

trans-1,3-Dichloropropene

Concen: 2.297 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

ClientSampleId :

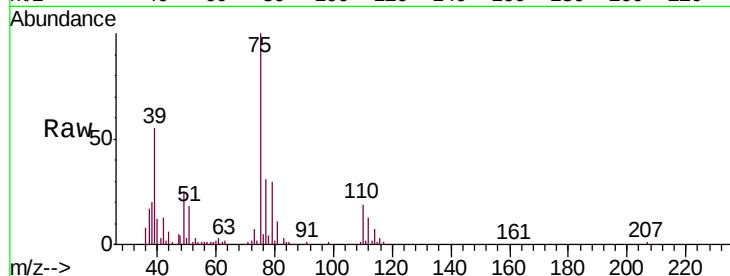
MDL04

Tgt Ion: 75 Resp: 38808

Ion Ratio Lower Upper

75 100

77 31.1 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

20000

15000

10000

5000

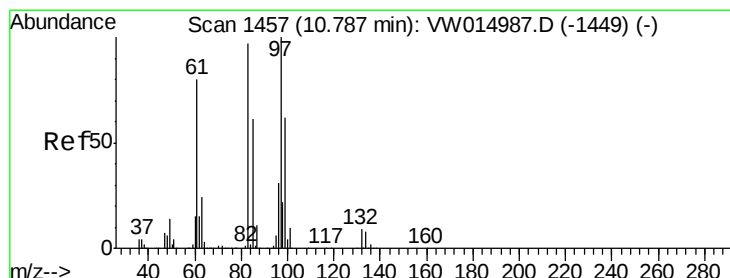
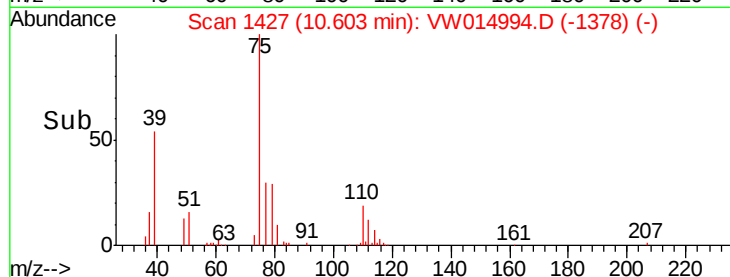
0

Time-->

10.50

10.60

10.70



#45

1,1,2-Trichloroethane

Concen: 1.891 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Tgt Ion: 97 Resp: 17463

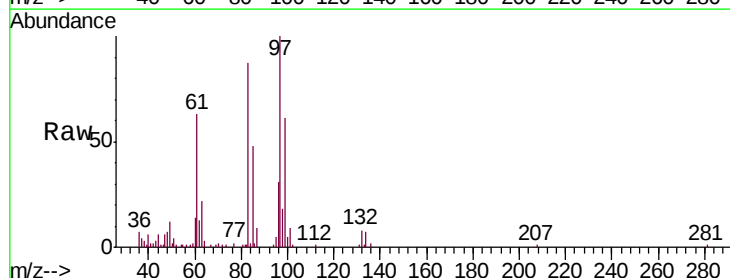
Ion Ratio Lower Upper

97 100

99 60.9 44.2 82.0

83 87.3 64.1 119.1

85 48.1 42.1 78.1



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

15000

10000

5000

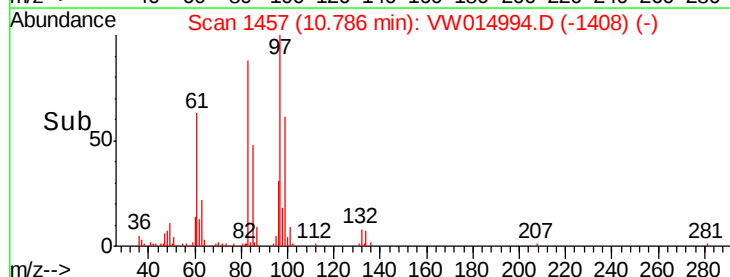
0

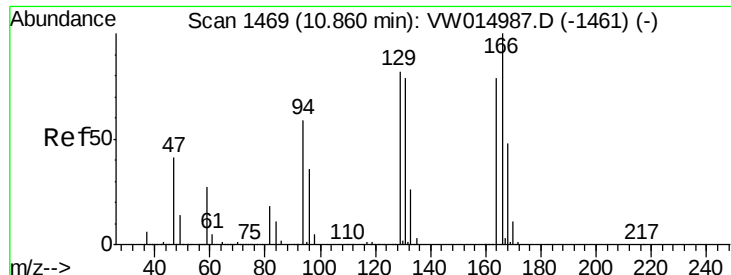
Time-->

10.75

10.80

10.85





#46

Tetrachloroethene

Concen: 1.978 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

ClientSampleId :

MDL04

Tgt Ion:164 Resp: 16765

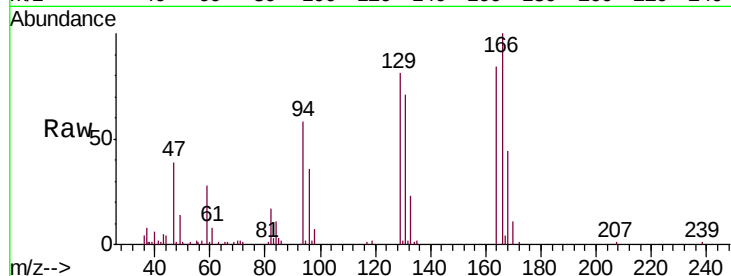
Ion Ratio Lower Upper

164 100

129 95.7 72.2 134.2

131 84.1 68.1 126.5

166 118.6 90.6 168.2



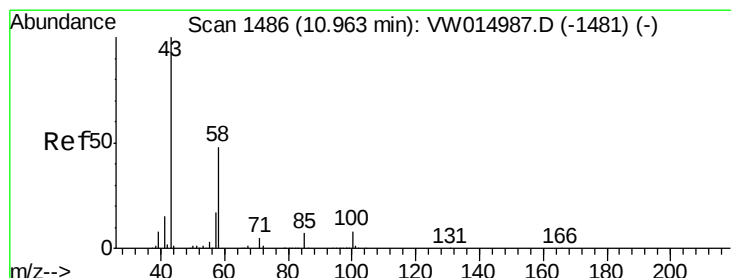
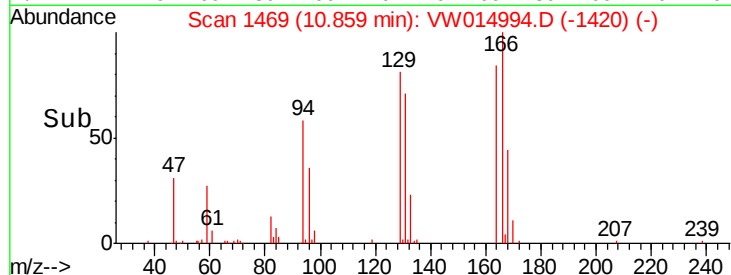
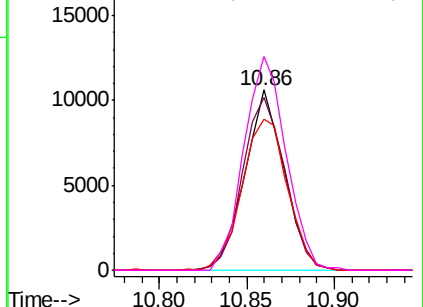
Abundance

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



#48

2-Hexanone

Concen: 3.248 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Tgt Ion: 43 Resp: 25651

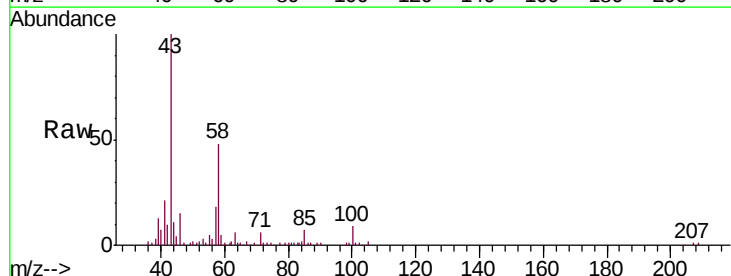
Ion Ratio Lower Upper

43 100

58 51.3 39.2 58.8

57 15.3 13.1 19.7

100 9.3 7.0 10.4



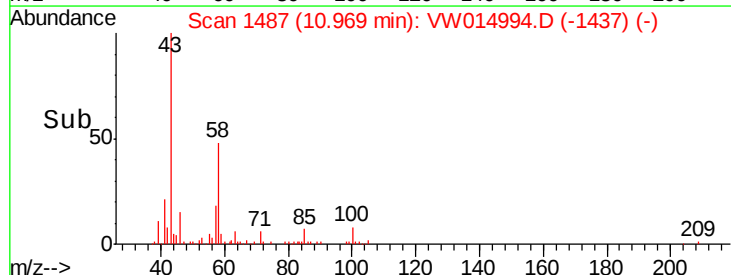
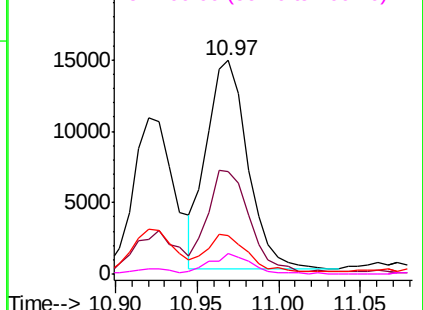
Abundance

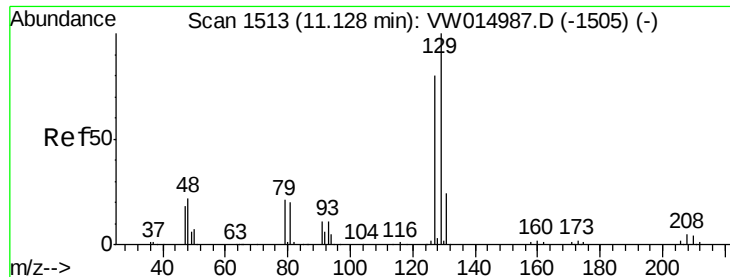
Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 57.00 (56.70 to 57.70): V

Ion 100.00 (99.70 to 100.70): V





#49

Dibromochloromethane

Concen: 1.827 ug/L

RT: 11.12 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

ClientSampleId :

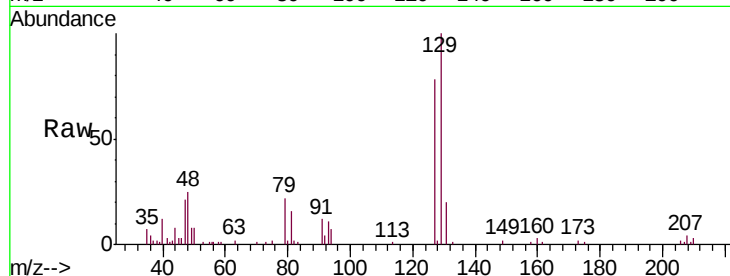
MDL04

Tgt Ion:129 Resp: 17578

Ion Ratio Lower Upper

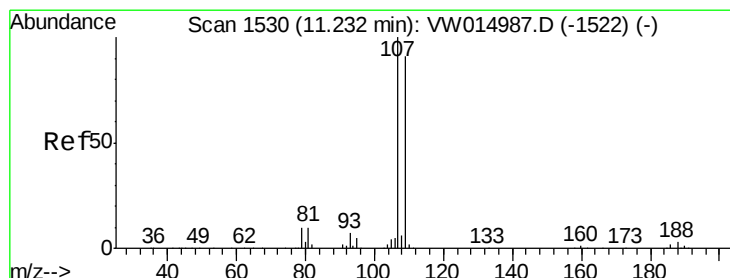
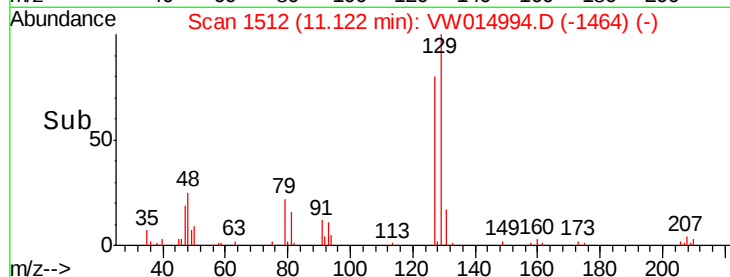
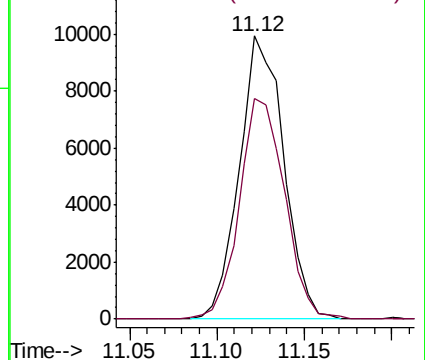
129 100

127 80.2 53.0 98.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 1.850 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

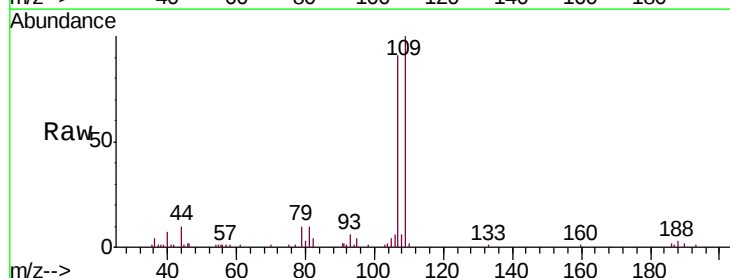
Tgt Ion:107 Resp: 15402

Ion Ratio Lower Upper

107 100

109 109.9 65.1 120.9

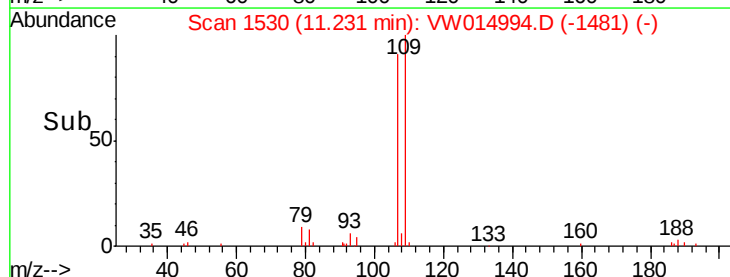
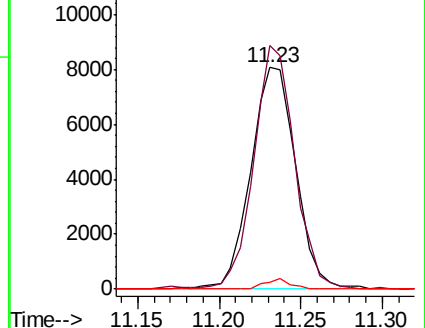
188 3.3 2.4 3.6

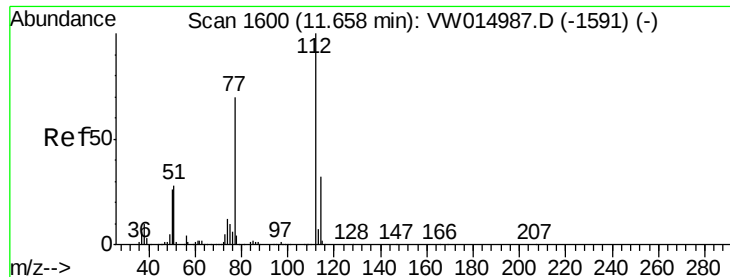


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 1.974 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

ClientSampled :

MDL04

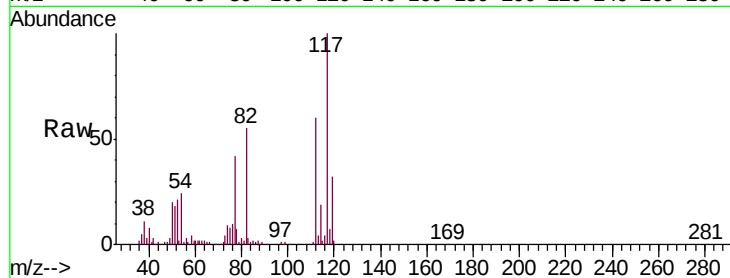
Tgt Ion: 112 Resp: 61336

Ion Ratio Lower Upper

112 100

114 32.1 22.6 42.0

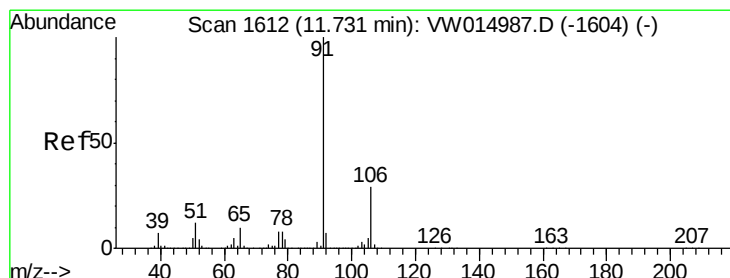
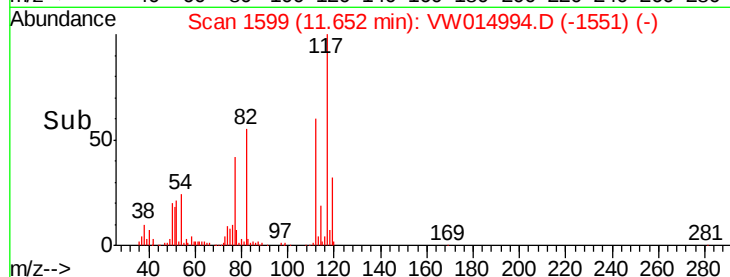
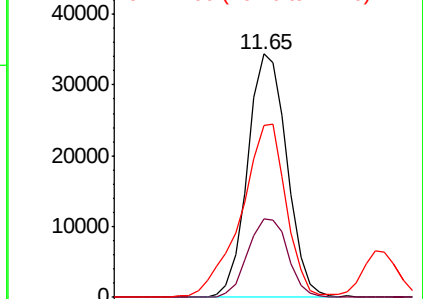
77 70.5 54.6 82.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 1.797 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014994.D

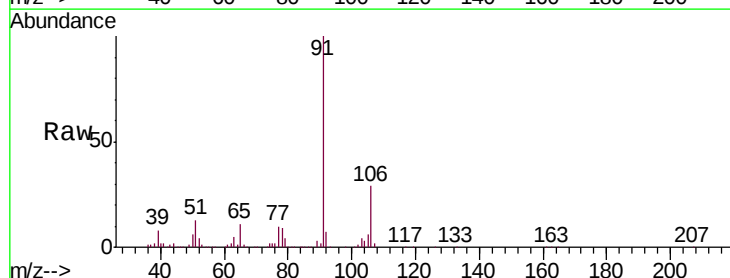
Acq: 14 Feb 2020 13:44

Tgt Ion: 91 Resp: 103080

Ion Ratio Lower Upper

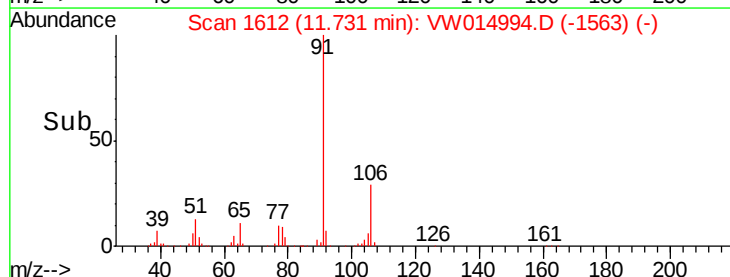
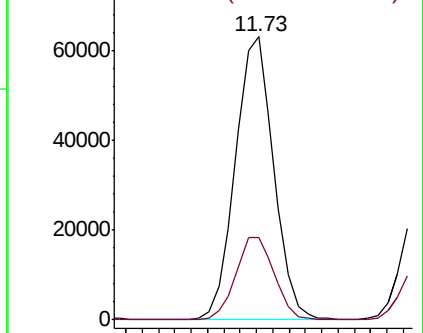
91 100

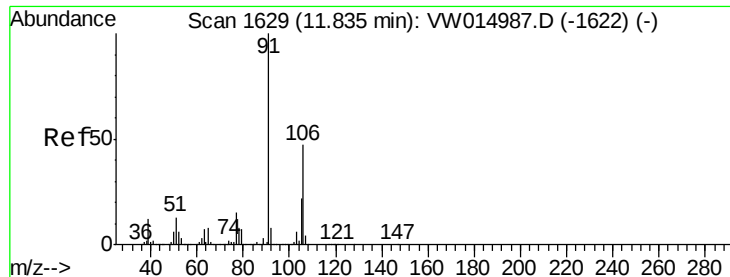
106 29.2 20.2 37.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

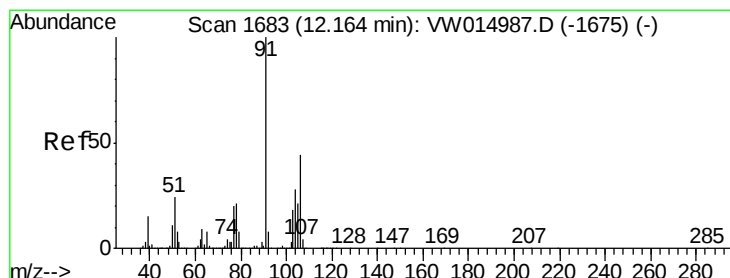
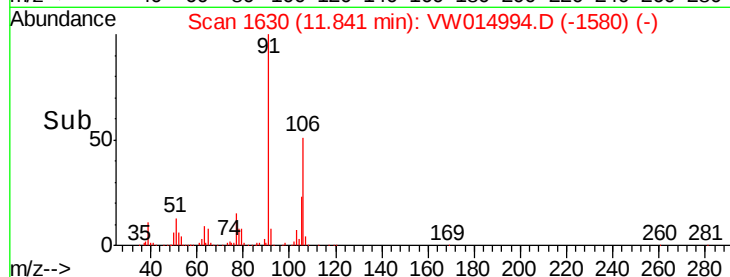
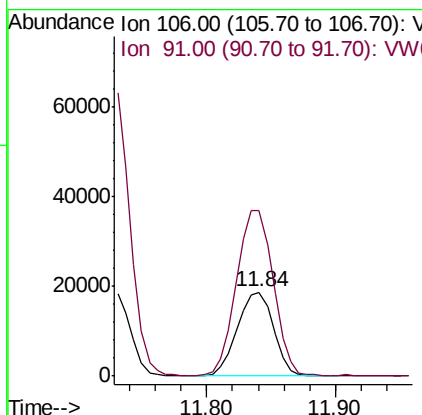
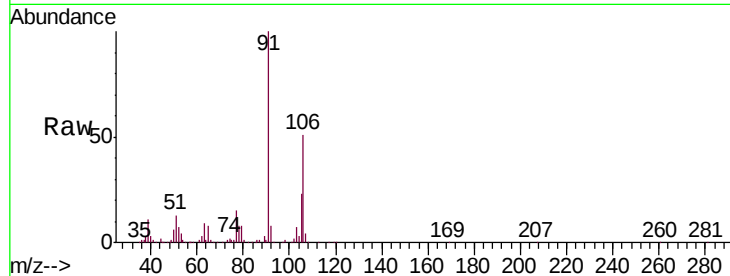




#53
m,p-Xylene
Concen: 1.819 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

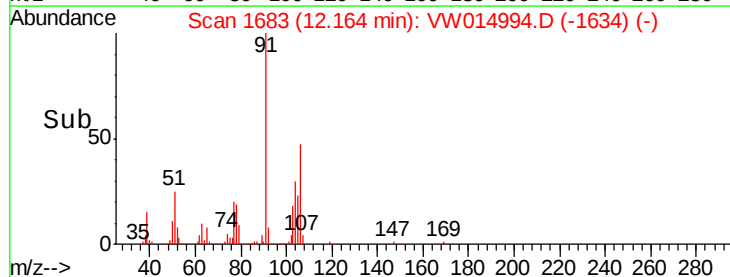
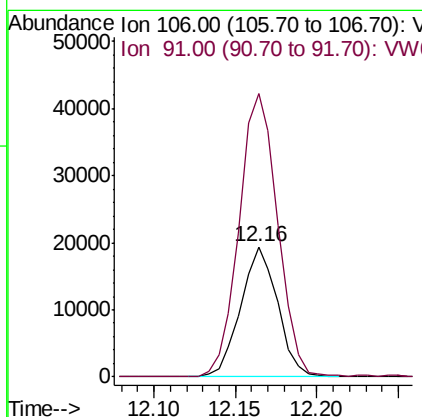
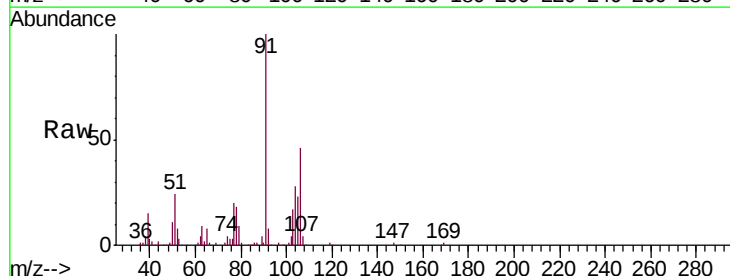
Instrument :
MSVOA_W
ClientSampleId :
MDL04

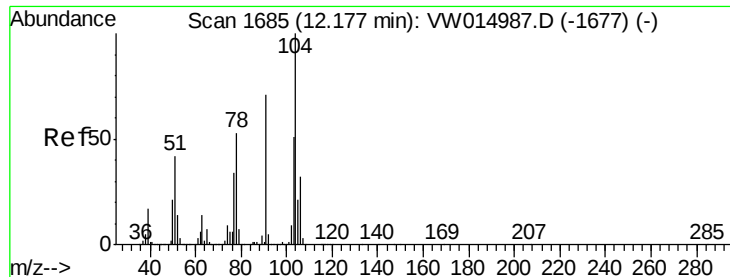
Tgt Ion:106 Resp: 36623
Ion Ratio Lower Upper
106 100
91 196.8 149.2 277.2



#54
o-Xylene
Concen: 1.618 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Tgt Ion:106 Resp: 30586
Ion Ratio Lower Upper
106 100
91 217.3 163.7 304.1





#55

Styrene

Concen: 1.540 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

ClientSampleId :

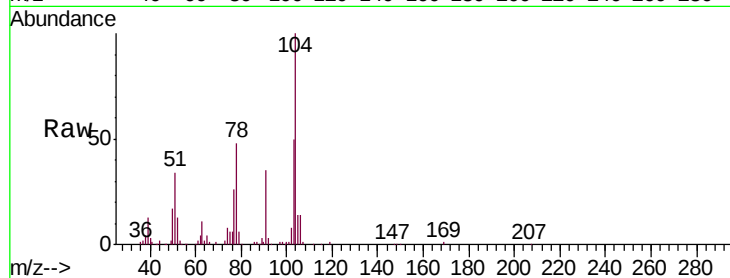
MDL04

Tgt Ion: 104 Resp: 50197

Ion Ratio Lower Upper

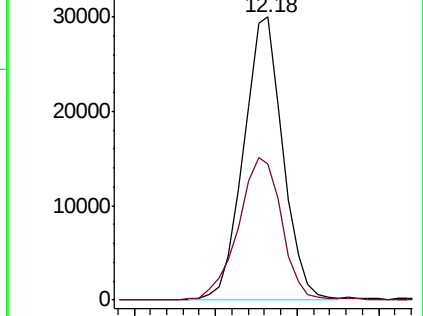
104 100

78 48.0 36.8 68.4

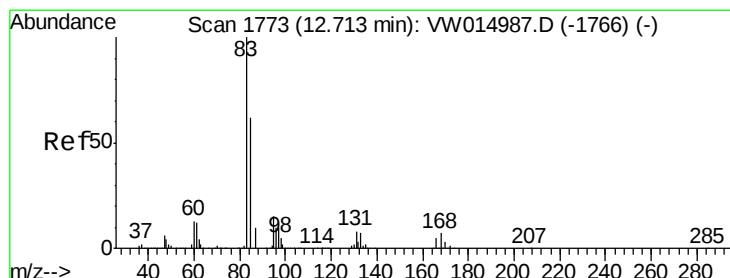
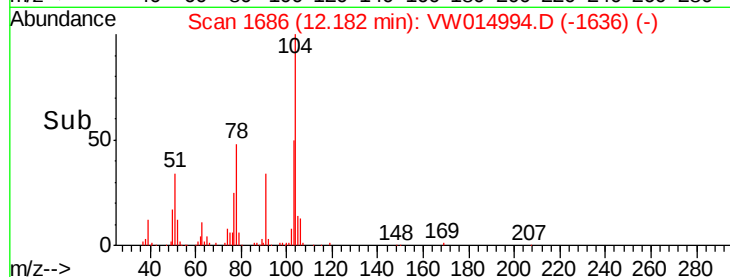


Abundance Ion 104.00 (103.70 to 104.70): VW

Ion 78.00 (77.70 to 78.70): VW



Time--> 12.10 12.15 12.20 12.25



#57

1,1,2,2-Tetrachloroethane

Concen: 1.968 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

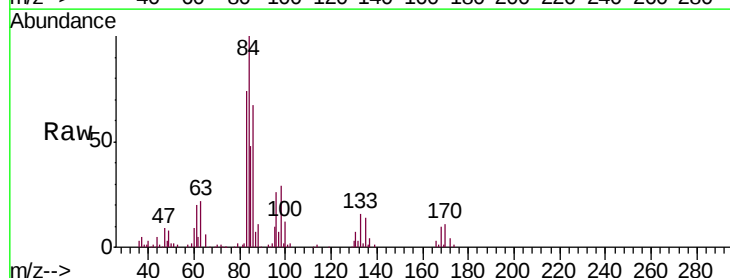
Tgt Ion: 83 Resp: 24319

Ion Ratio Lower Upper

83 100

85 65.7 44.9 83.5

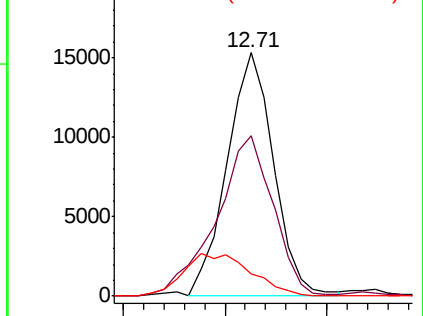
131 9.0 6.2 9.2



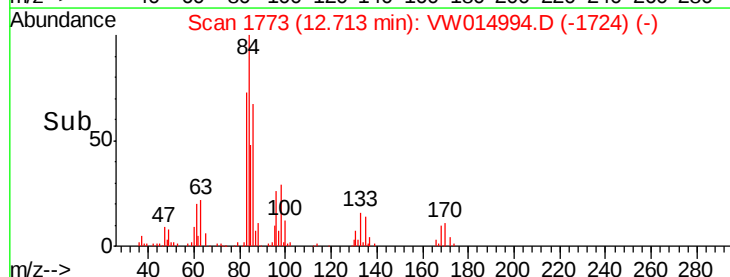
Abundance Ion 83.00 (82.70 to 83.70): VW

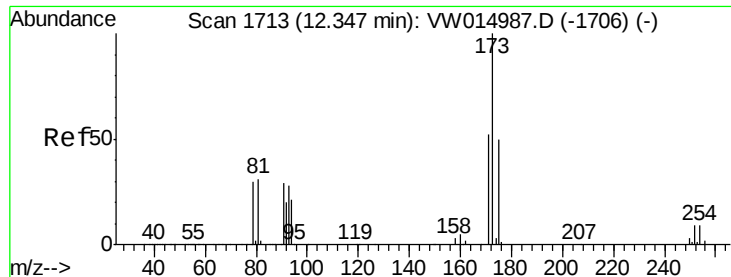
Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW



Time--> 12.65 12.70 12.75





#59

Bromoform

Concen: 2.012 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

ClientSampled :

MDL04

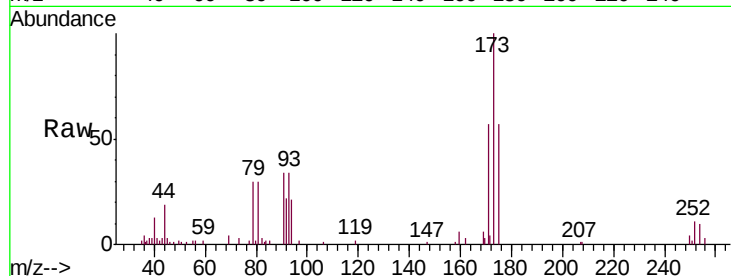
Tgt Ion:173 Resp: 9320

Ion Ratio Lower Upper

173 100

175 47.2 39.0 58.4

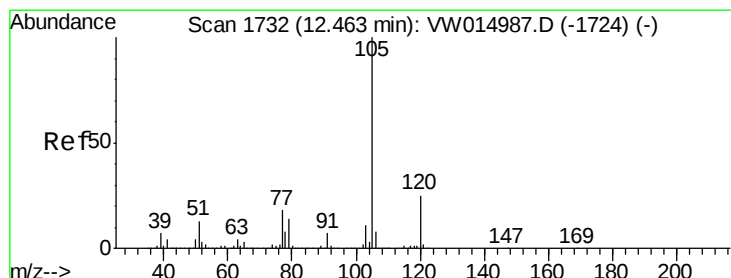
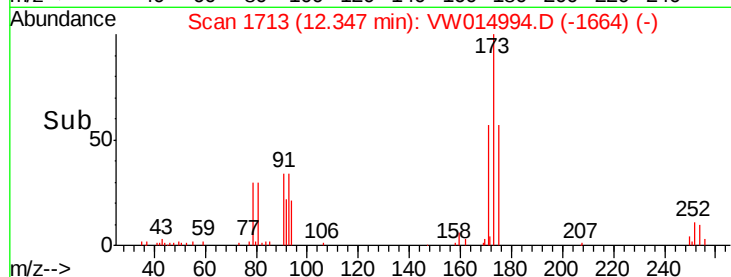
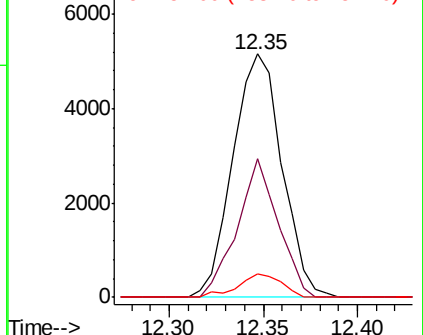
254 8.5 7.1 10.7



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



#60

Isopropylbenzene

Concen: 1.712 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

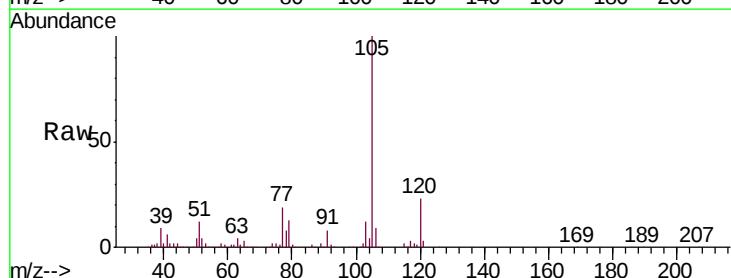
Tgt Ion:105 Resp: 81170

Ion Ratio Lower Upper

105 100

120 25.4 20.1 30.1

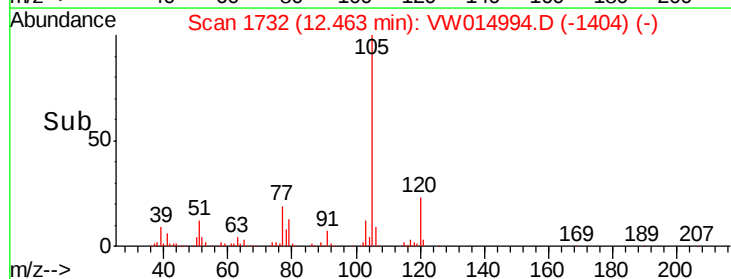
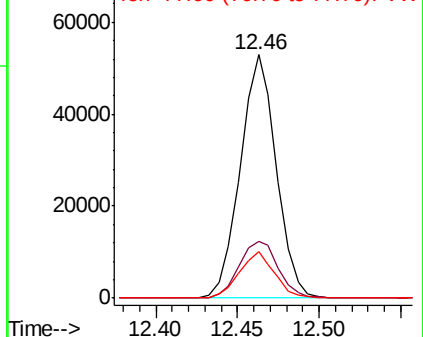
77 18.8 14.4 21.6

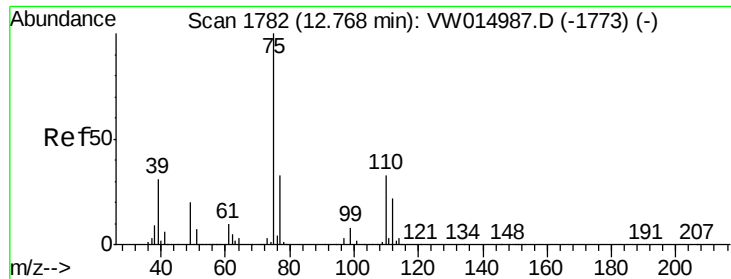


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

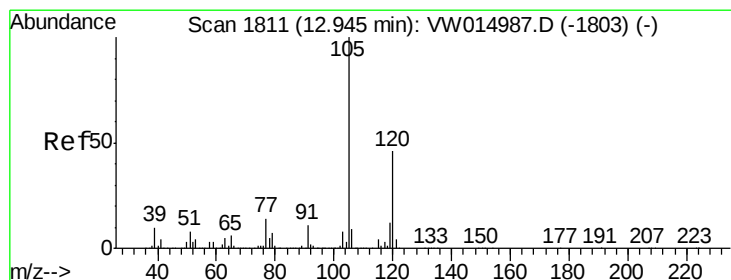
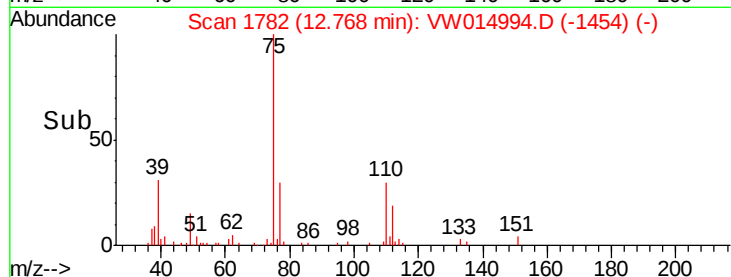
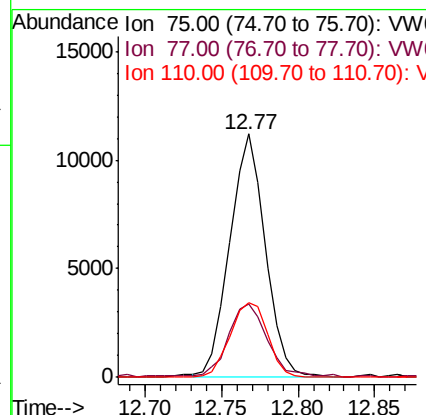
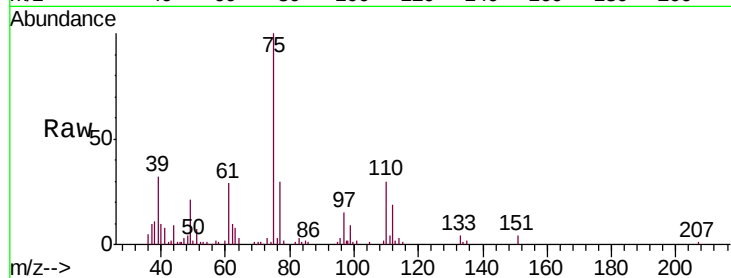




#61
 1,2,3-Trichloropropane
 Concen: 2.036 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

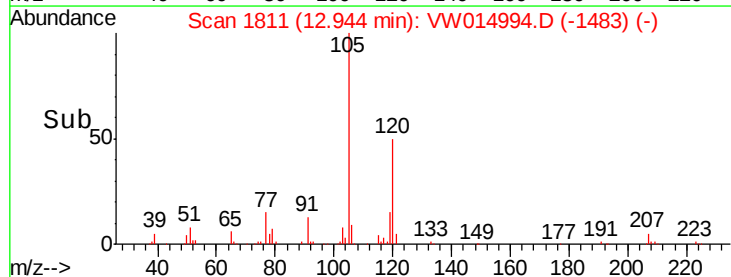
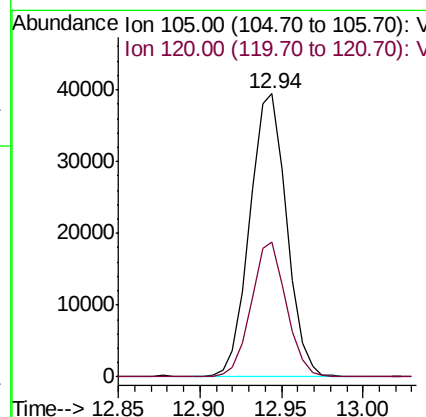
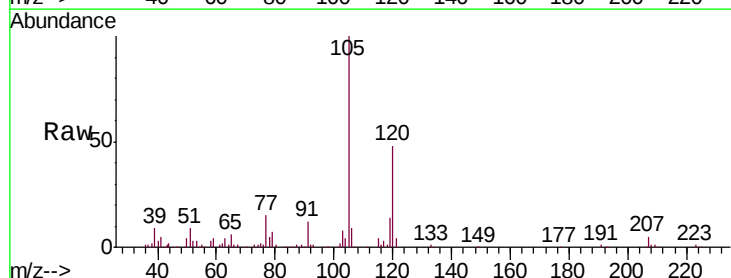
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

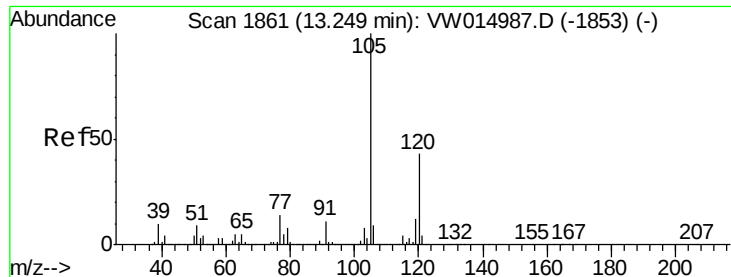
Tgt Ion: 75 Resp: 18074
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.6
 110 32.3 26.6 39.8



#62
 1,3,5-Trimethylbenzene
 Concen: 1.639 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

Tgt Ion: 105 Resp: 61965
 Ion Ratio Lower Upper
 105 100
 120 45.5 37.4 56.0

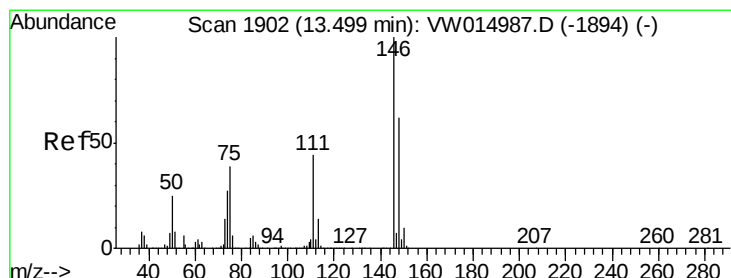
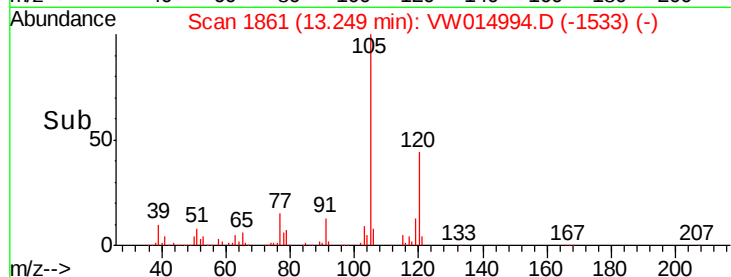
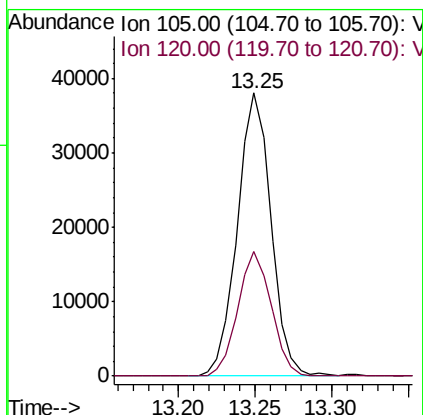
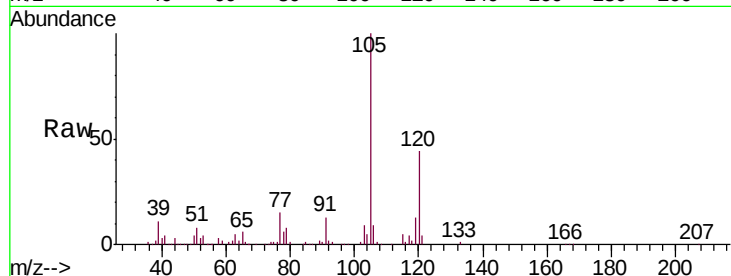




#63
 1,2,4-Trimethylbenzene
 Concen: 1.571 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

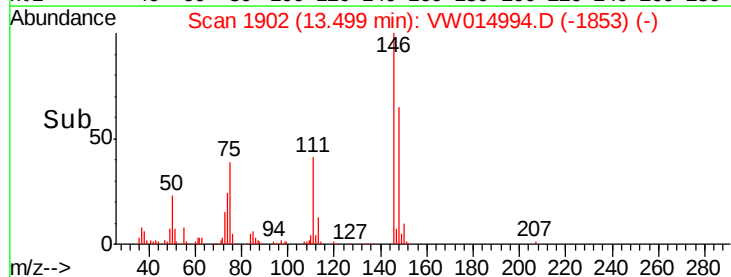
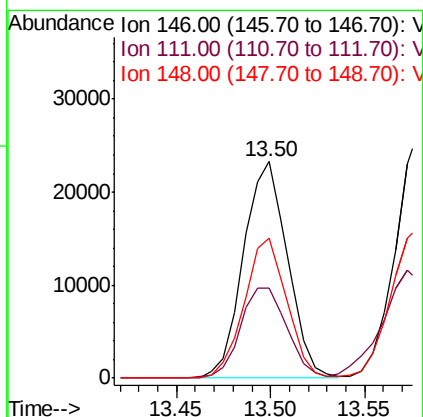
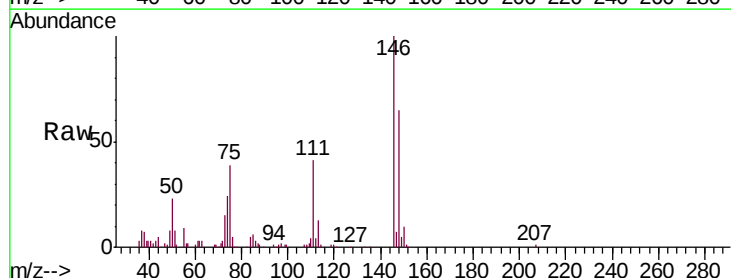
Instrument :
 MSVOA_W
 ClientSampled :
 MDL04

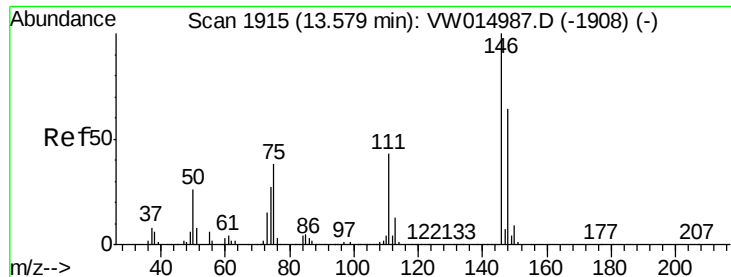
Tgt Ion:105 Resp: 58123
 Ion Ratio Lower Upper
 105 100
 120 43.8 35.0 52.4



#64
 1,3-Dichlorobenzene
 Concen: 1.928 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

Tgt Ion:146 Resp: 37695
 Ion Ratio Lower Upper
 146 100
 111 41.4 30.2 56.0
 148 64.8 44.2 82.2





#65

1,4-Dichlorobenzene

Concen: 1.996 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

Instrument :

MSVOA_W

ClientSampled :

MDL04

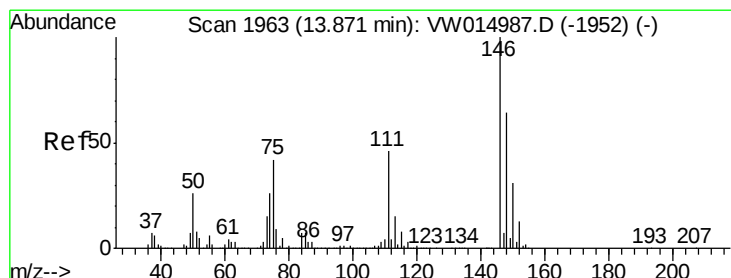
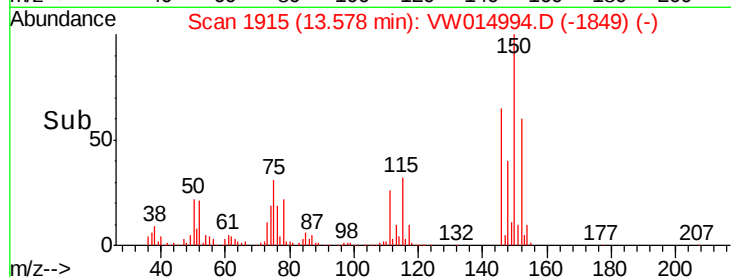
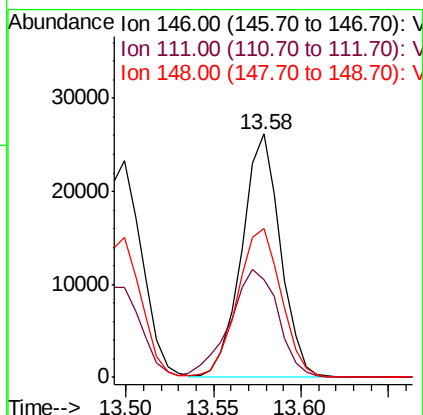
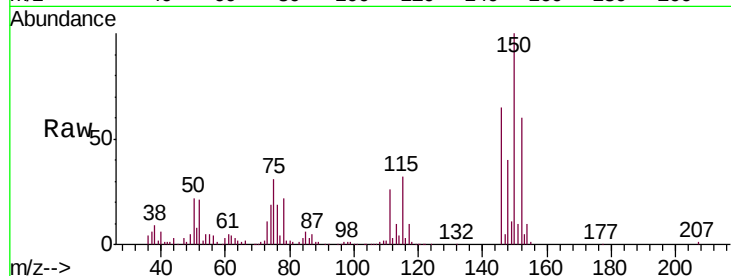
Tgt Ion:146 Resp: 40225

Ion Ratio Lower Upper

146 100

111 40.3 29.5 54.9

148 61.0 43.8 81.3



#67

1,2-Dichlorobenzene

Concen: 2.105 ug/L

RT: 13.86 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW014994.D

Acq: 14 Feb 2020 13:44

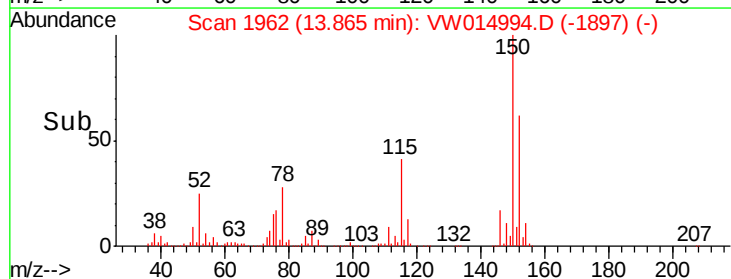
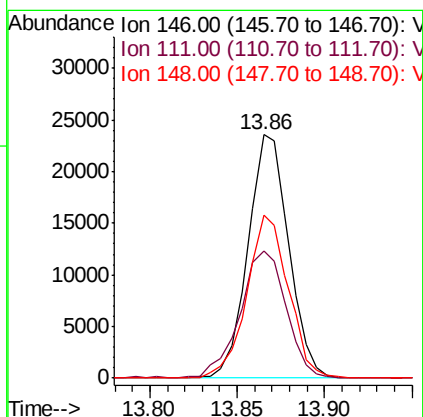
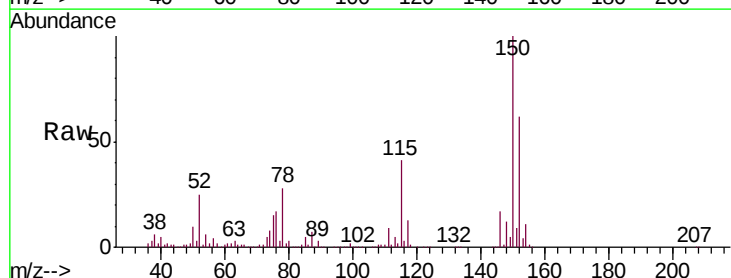
Tgt Ion:146 Resp: 38074

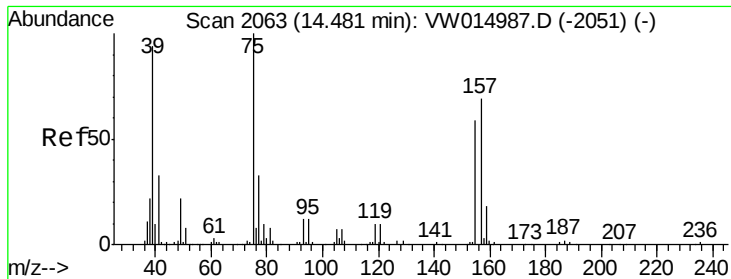
Ion Ratio Lower Upper

146 100

111 52.1 38.0 57.0

148 66.8 49.5 74.3

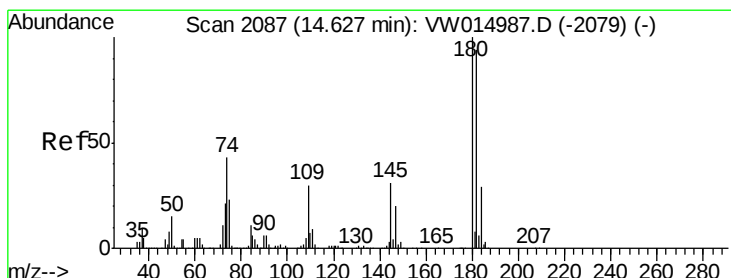
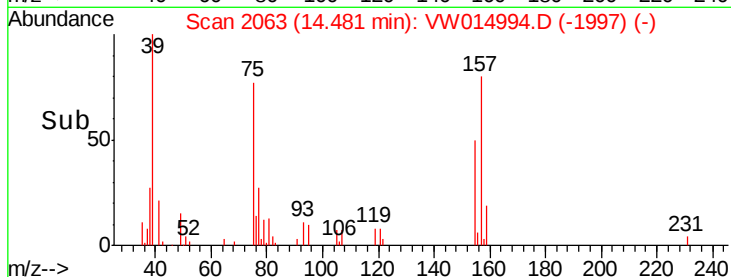
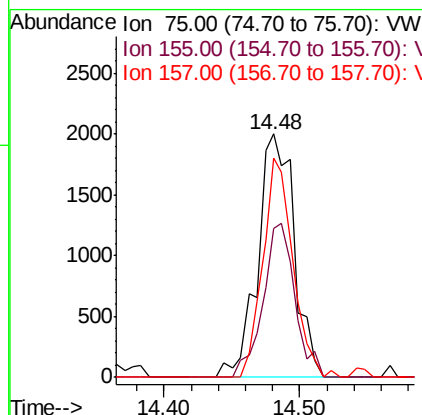
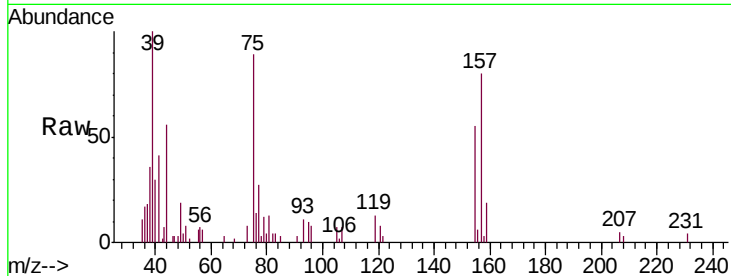




#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.023 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

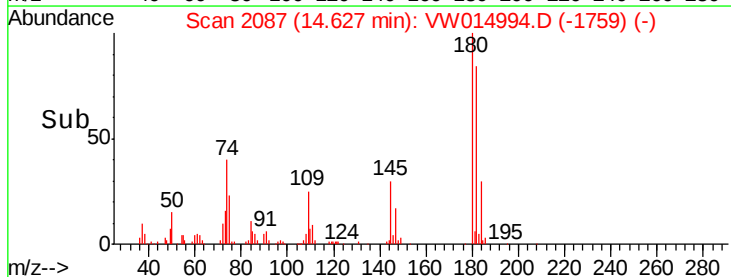
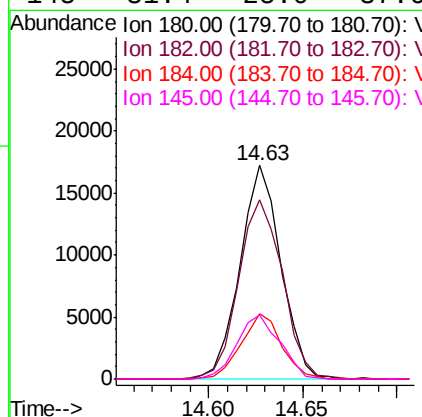
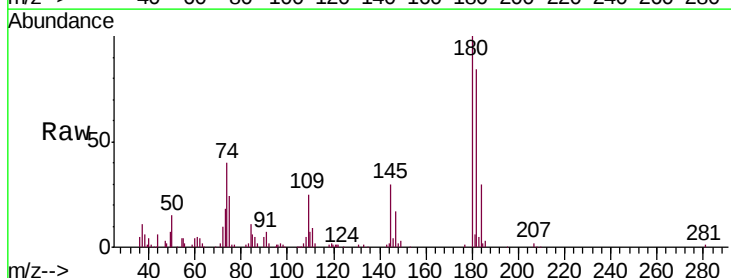
Instrument :
 MSVOA_W
 ClientSampleID :
 MDL04

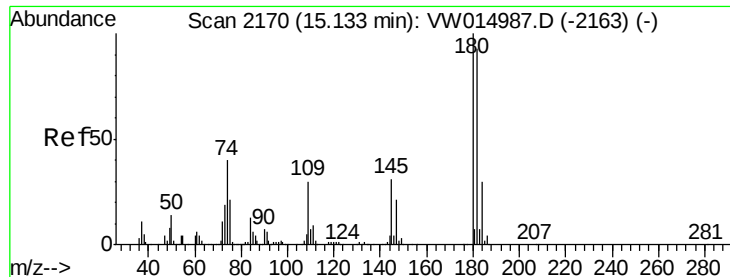
Tgt Ion: 75 Resp: 3755
 Ion Ratio Lower Upper
 75 100
 155 61.4 48.0 72.0
 157 90.0 59.4 89.0#



#69
 1,3,5-Trichlorobenzene
 Concen: 1.974 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

Tgt Ion: 180 Resp: 25865
 Ion Ratio Lower Upper
 180 100
 182 89.9 76.5 114.7
 184 30.3 24.2 36.2
 145 31.4 25.0 37.6

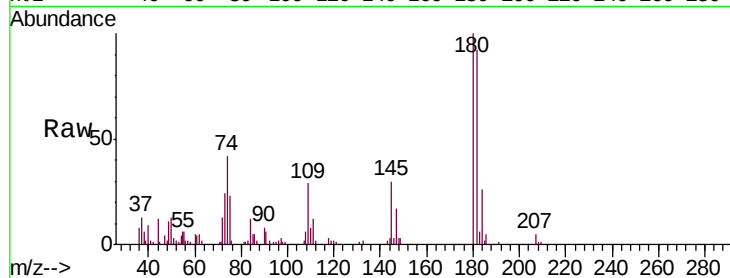




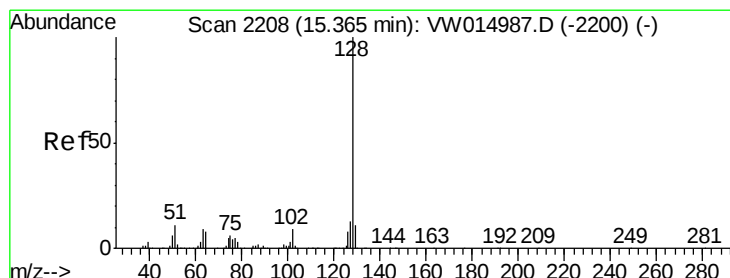
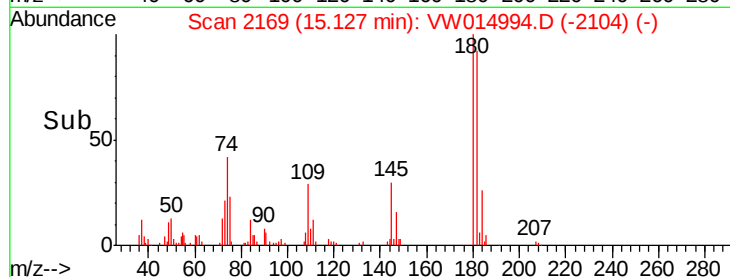
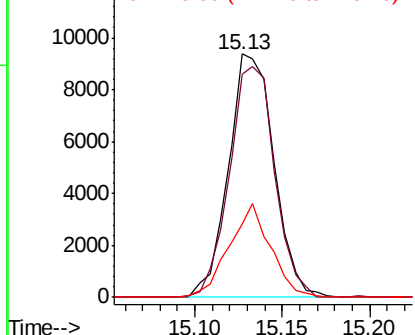
#70
1,2,4-trichlorobenzene
Concen: 1.729 ug/L
RT: 15.13 min Scan# 2169
Delta R.T. -0.01 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Instrument :
MSVOA_W
ClientSampleId :
MDL04

Tgt Ion:180 Resp: 16974
Ion Ratio Lower Upper
180 100
182 94.1 76.2 114.4
145 34.8 26.2 39.4

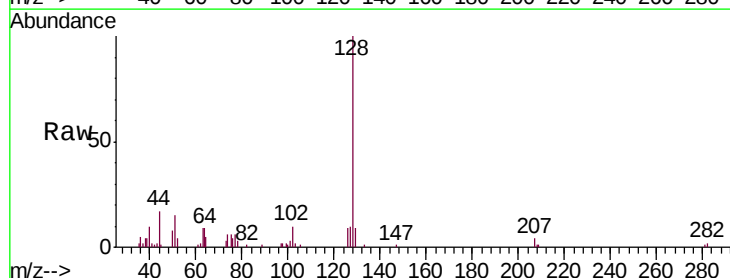


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

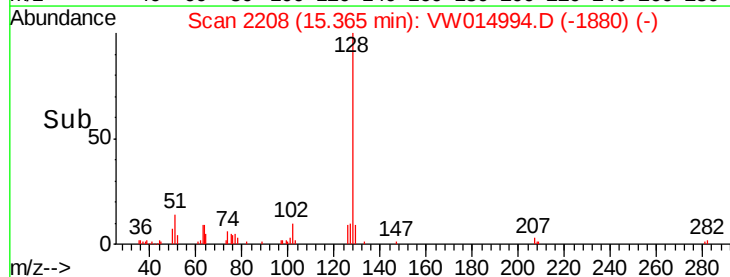
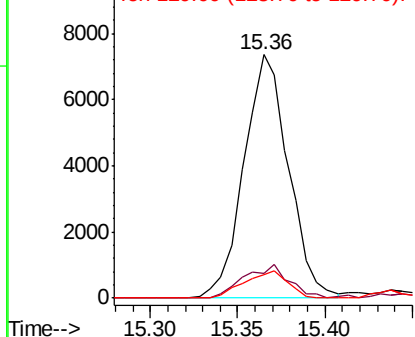


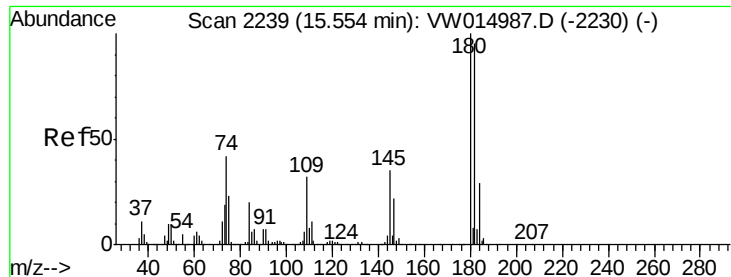
#71
Naphthalene
Concen: 1.292 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014994.D
Acq: 14 Feb 2020 13:44

Tgt Ion:128 Resp: 13031
Ion Ratio Lower Upper
128 100
127 13.9 10.5 15.7
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#72
 1,2,3-Trichlorobenzene
 Concen: 1.746 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW014994.D
 Acq: 14 Feb 2020 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Tgt Ion:	180	Resp:	15887
Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.2	112.8
145	33.5	27.0	40.6

