

Data File : VW014984.D
Acq On : 13 Feb 2020 16:56
Operator : SY/VA
Sample : MDL03
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL03

Quant Time: Feb 14 04:24:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Feb 13 12:39:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	775860	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	722559	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	293776	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	351451	22.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.96%
7) Chloroethane-d5	2.89	69	266480	22.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.52%
11) 1,1-Dichloroethene-d2	4.02	63	478677	17.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.32%
21) 2-Butanone-d5	7.07	46	214342	49.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.44%
24) Chloroform-d	7.65	84	564738	22.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.64%
26) 1,2-Dichloroethane-d4	8.30	65	353905	24.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.84%
32) Benzene-d6	8.27	84	1147211	23.56	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.24%
36) 1,2-Dichloropropane-d6	9.27	67	396009	23.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.60%
41) Toluene-d8	10.32	98	975477	23.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	10.57	79	147588	23.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.80%
47) 2-Hexanone-d5	10.92	63	145038	48.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.40%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	298386	23.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.52%
66) 1,2-Dichlorobenzene-d4	13.85	152	269993	24.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	14695	1.907 ug/L	91
3) Chloromethane	2.21	50	27405	1.891 ug/L	97
5) Vinyl chloride	2.36	62	37571	2.014 ug/L #	70
6) Bromomethane	2.78	94	16204	1.915 ug/L	91
8) Chloroethane	2.93	64	18635	1.867 ug/L	99
9) Trichlorofluoromethane	3.26	101	11985	1.626 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	15226	1.263 ug/L #	72
12) 1,1-Dichloroethene	4.04	96	24851	2.149 ug/L #	1
13) Acetone	4.13	43	22374	4.922 ug/L	83
14) Carbon disulfide	4.38	76	77070	1.844 ug/L	98
15) Methyl Acetate	4.68	43	14992	1.901 ug/L #	77
16) Methylene chloride	4.92	84	65534	4.571 ug/L	99
17) trans-1,2-Dichloroethene	5.43	96	22040	1.889 ug/L	94
18) Methyl tert-butyl Ether	5.42	73	27057	1.879 ug/L	93
19) 1,1-Dichloroethane	6.21	63	51010	1.957 ug/L	99
20) cis-1,2-Dichloroethene	7.16	96	23048	1.917 ug/L	95
22) 2-Butanone	7.17	43	25852	4.731 ug/L	93

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Quant Title : SFAM01.0
QLast Update : Thu Feb 13 12:39:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	10054	2.061	ug/L	93
27) 1,2-Dichloroethane	8.40	62	35447	2.077	ug/L	98
29) Cyclohexane	7.96	56	36726	1.559	ug/L	99
30) 1,1,1-Trichloroethane	7.87	97	34645	1.971	ug/L	98
31) Carbon tetrachloride	8.07	117	30797	1.944	ug/L	97
33) Benzene	8.32	78	106810	2.013	ug/L	100
34) Trichloroethene	9.09	95	24774	1.950	ug/L	98
35) Methylcyclohexane	9.34	83	37429	1.708	ug/L	95
37) 1,2-Dichloropropane	9.37	63	29110	1.965	ug/L #	96
38) Bromodichloromethane	9.64	83	32580	1.953	ug/L	94
39) cis-1,3-Dichloropropene	10.07	75	35628	1.797	ug/L	99
40) 4-Methyl-2-pentanone	10.21	43	39721	3.766	ug/L	99
42) Toluene	10.38	91	102472	1.999	ug/L	94
44) trans-1,3-Dichloropropene	10.60	75	37943	2.307	ug/L	97
45) 1,1,2-Trichloroethane	10.79	97	18790	2.091	ug/L	98
46) Tetrachloroethene	10.86	164	16202	1.964	ug/L	91
48) 2-Hexanone	10.97	43	31067	4.042	ug/L	100
49) Dibromochloromethane	11.13	129	18335	1.958	ug/L	87
50) 1,2-Dibromoethane	11.23	107	16144	1.992	ug/L	94
51) Chlorobenzene	11.66	112	58771	1.944	ug/L	99
52) Ethylbenzene	11.73	91	99506	1.782	ug/L	96
53) m,p-Xylene	11.83	106	32700	1.669	ug/L	99
54) o-Xylene	12.16	106	28553	1.552	ug/L	96
55) Styrene	12.18	104	48303	1.523	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.71	83	25723	2.139	ug/L #	98
59) Bromoform	12.35	173	9097	2.025	ug/L	98
60) Isopropylbenzene	12.46	105	76208	1.657	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	18697	2.172	ug/L	96
62) 1,3,5-Trimethylbenzene	12.94	105	58442	1.594	ug/L	98
63) 1,2,4-Trimethylbenzene	13.25	105	54753	1.526	ug/L	98
64) 1,3-Dichlorobenzene	13.50	146	36747	1.938	ug/L	97
65) 1,4-Dichlorobenzene	13.58	146	40599	2.078	ug/L	100
67) 1,2-Dichlorobenzene	13.87	146	37761	2.153	ug/L	94
68) 1,2-Dibromo-3-chloropropan	14.48	75	4092	2.273	ug/L #	87
69) 1,3,5-Trichlorobenzene	14.63	180	24253	1.909	ug/L	98
70) 1,2,4-trichlorobenzene	15.13	180	15681	1.647	ug/L	96
71) Naphthalene	15.36	128	13689	1.400	ug/L #	95
72) 1,2,3-Trichlorobenzene	15.55	180	15394	1.744	ug/L	98

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

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ClientSampleId :
MDL03

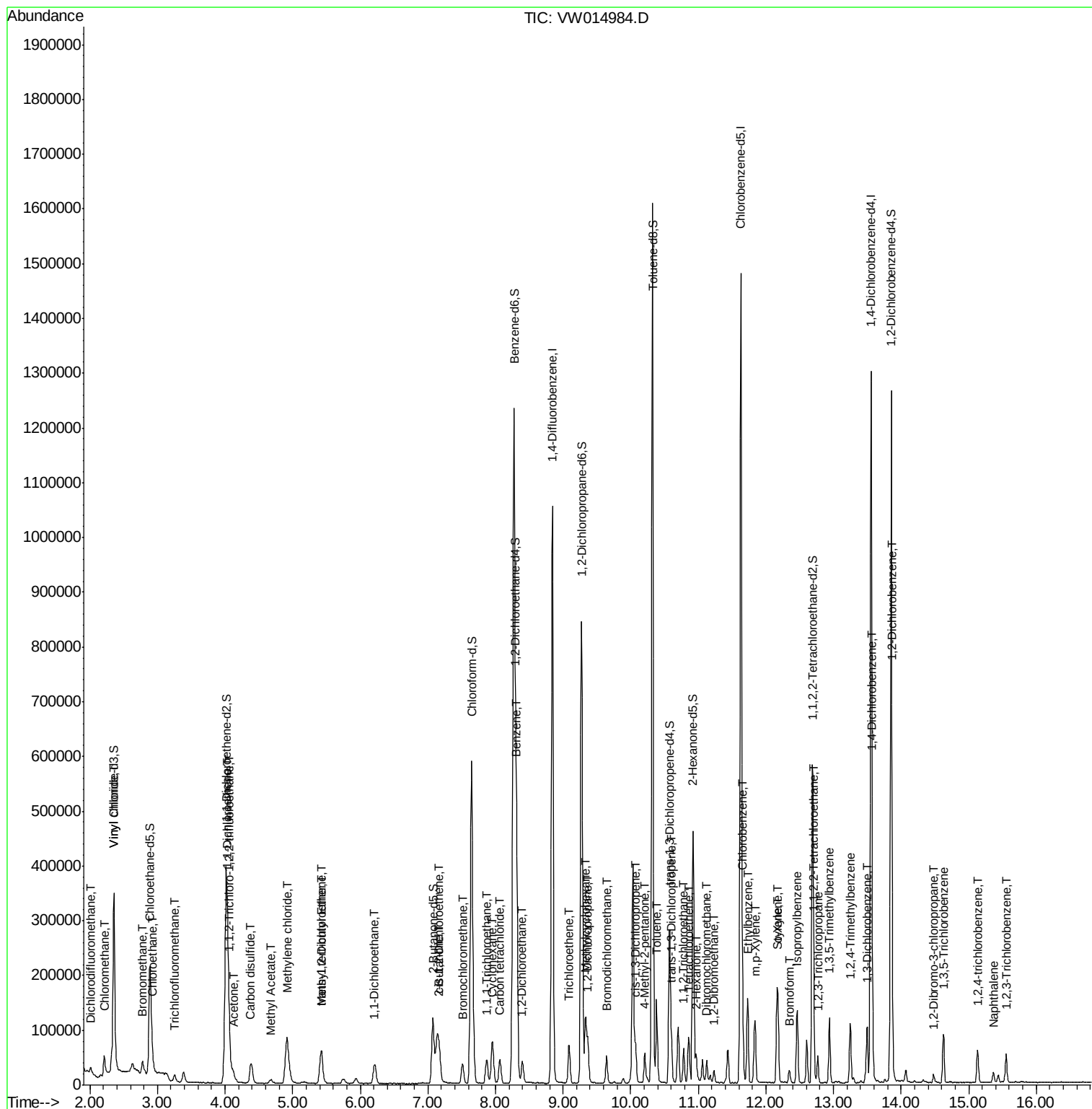
Quant Time: Feb 14 04:24:05 2020

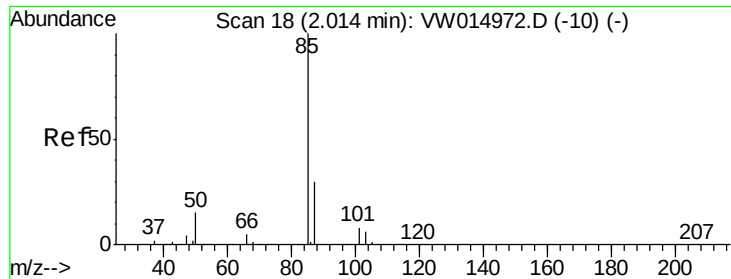
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M

Quant Title : SFAM01.0

QLast Update : Thu Feb 13 12:39:02 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.907 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampled :

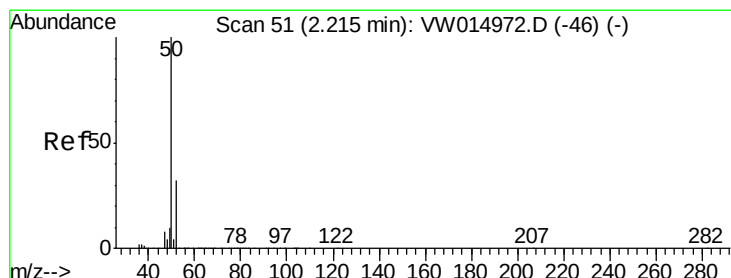
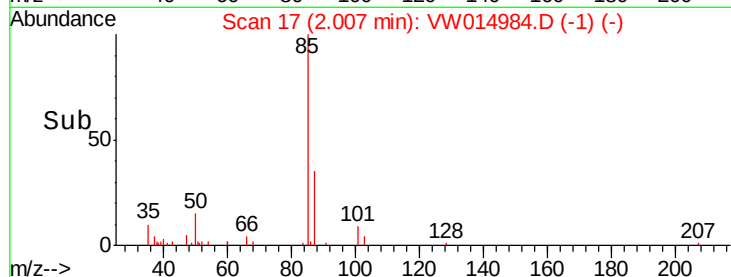
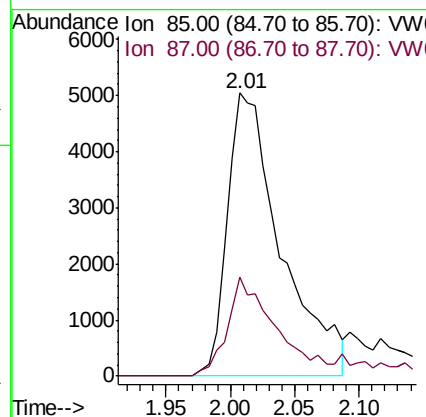
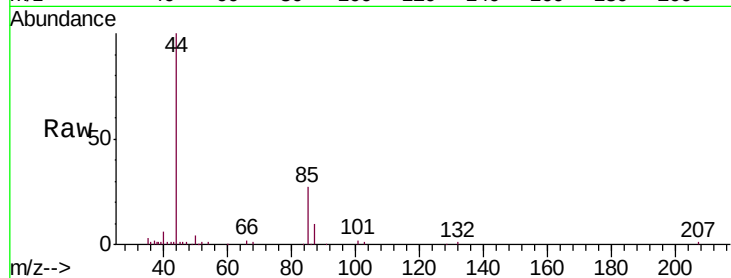
MDL03

Tgt Ion: 85 Resp: 14695

Ion Ratio Lower Upper

85 100

87 31.4 21.5 32.3



#3

Chloromethane

Concen: 1.891 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014984.D

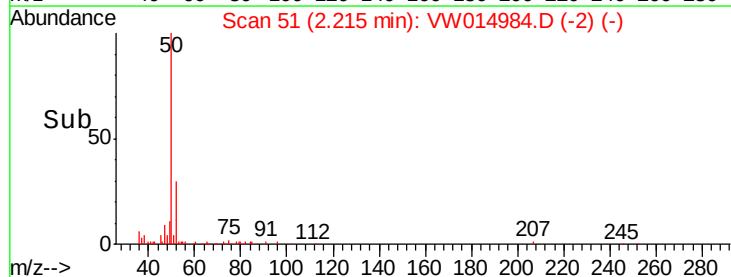
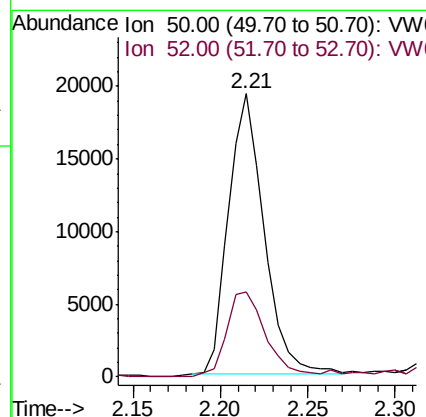
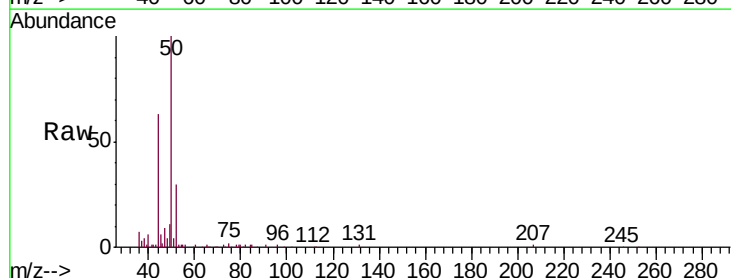
Acq: 13 Feb 2020 16:56

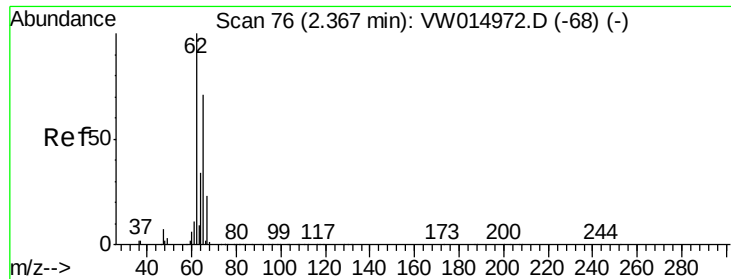
Tgt Ion: 50 Resp: 27405

Ion Ratio Lower Upper

50 100

52 30.0 22.3 41.3





#5

Vinyl chloride

Concen: 2.014 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

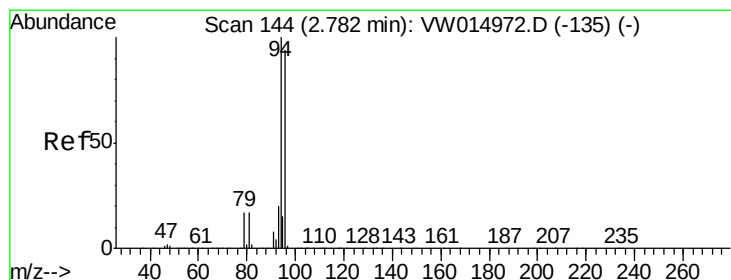
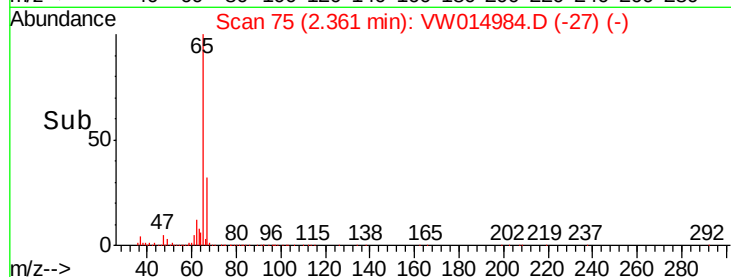
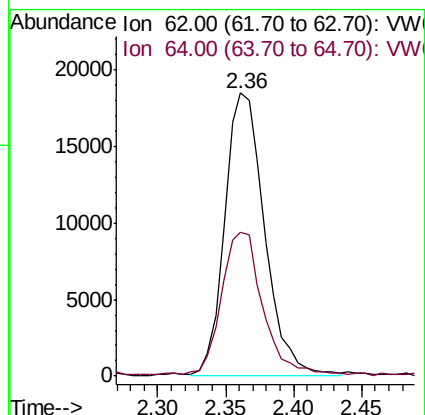
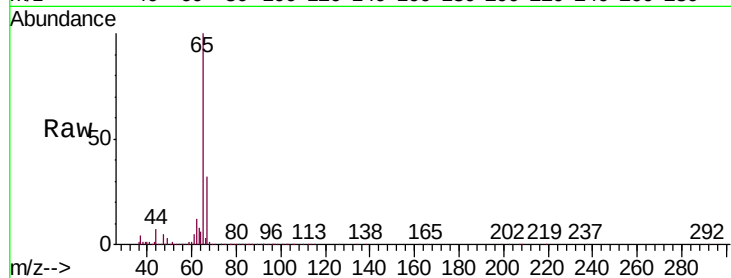
MDL03

Tgt Ion: 62 Resp: 37571

Ion Ratio Lower Upper

62 100

64 50.8 23.6 43.8#



#6

Bromomethane

Concen: 1.915 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014984.D

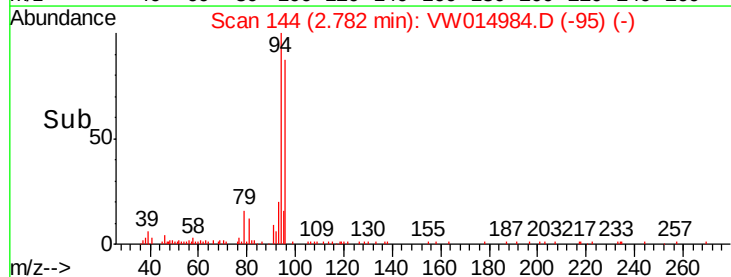
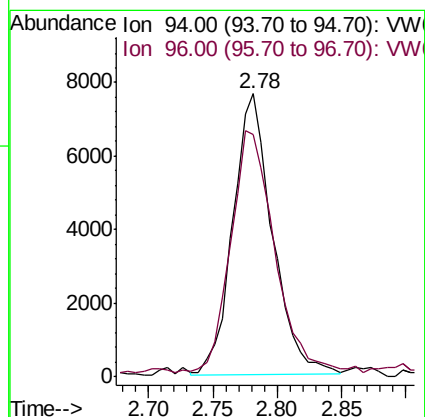
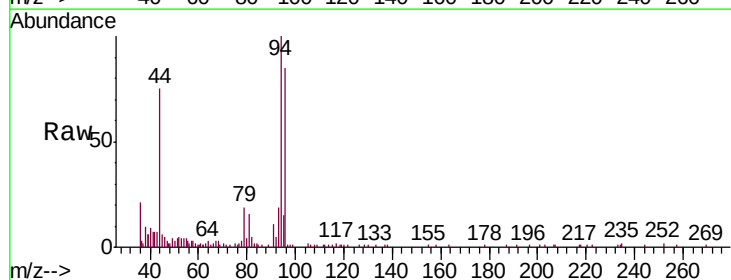
Acq: 13 Feb 2020 16:56

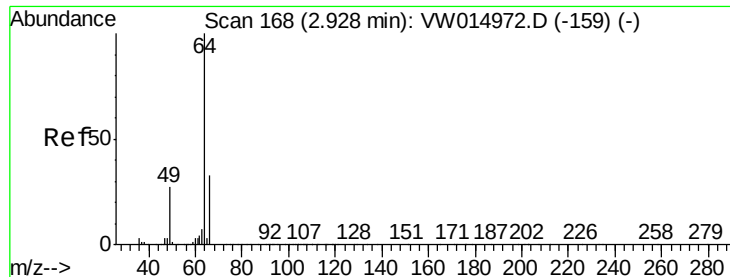
Tgt Ion: 94 Resp: 16204

Ion Ratio Lower Upper

94 100

96 85.5 65.8 122.2

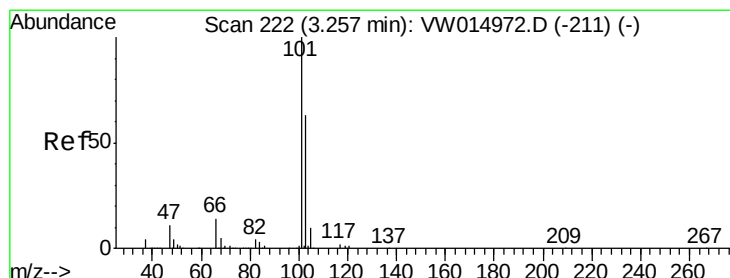
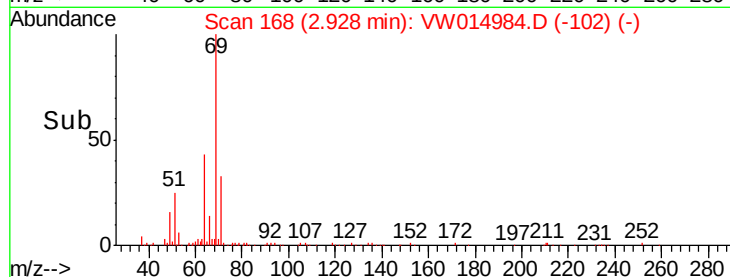
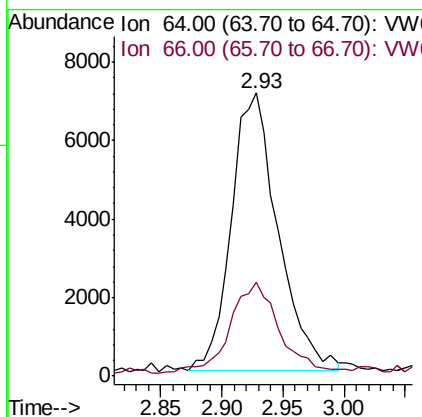
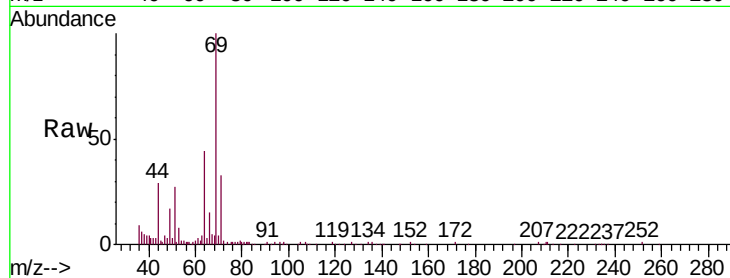




#8
Chloroethane
Concen: 1.867 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW014984.D
Acq: 13 Feb 2020 16:56

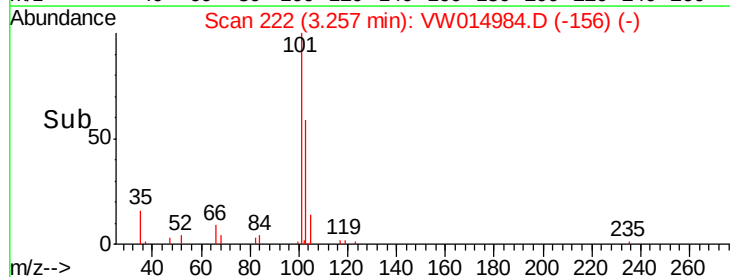
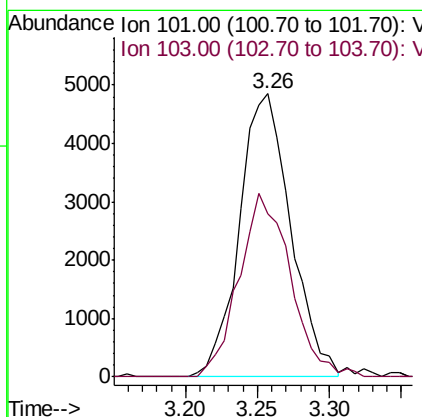
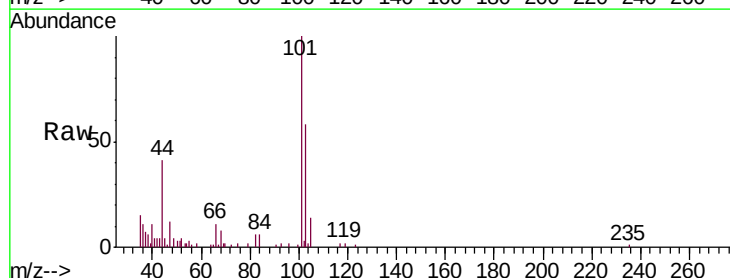
Instrument :
MSVOA_W
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MDL03

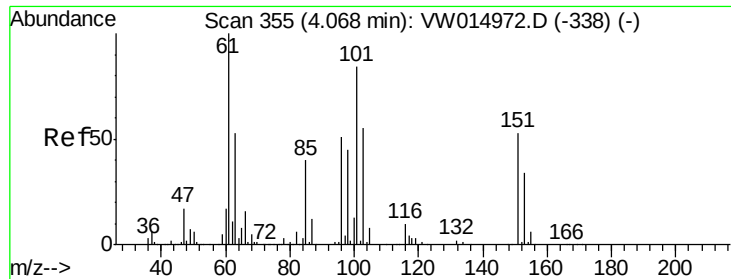
Tgt Ion: 64 Resp: 18635
Ion Ratio Lower Upper
64 100
66 33.3 23.1 42.9



#9
Trichlorofluoromethane
Concen: 1.626 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW014984.D
Acq: 13 Feb 2020 16:56

Tgt Ion: 101 Resp: 11985
Ion Ratio Lower Upper
101 100
103 64.4 51.5 77.3





#10

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

Concen: 1.263 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampled :

MDL03

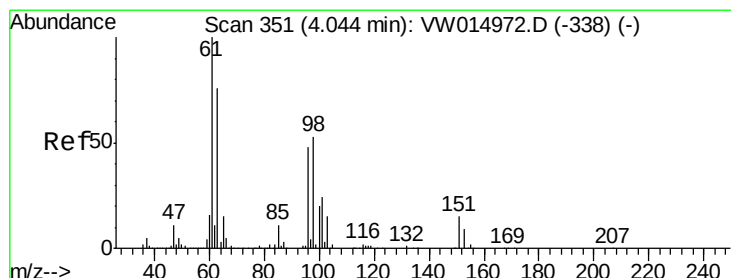
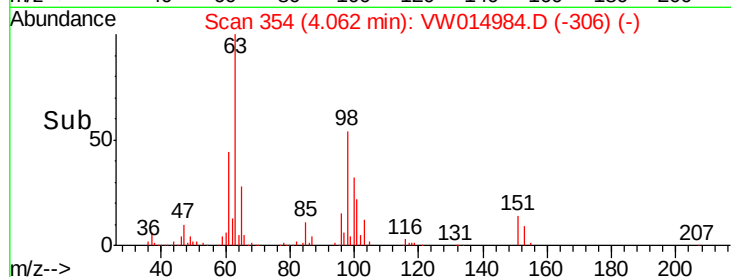
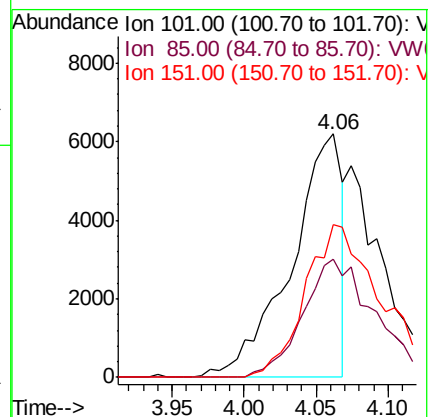
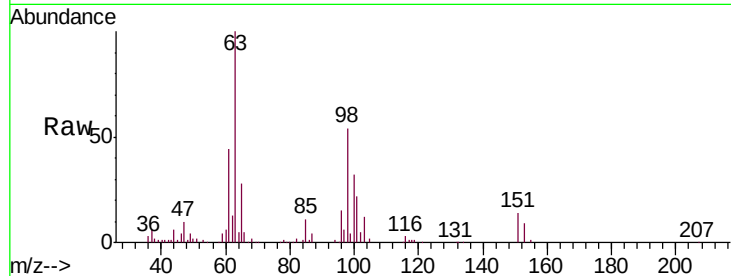
Tgt Ion:101 Resp: 15226

Ion Ratio Lower Upper

101 100

85 54.0 36.5 54.7

151 93.3 50.2 75.4#



#12

1,1-Dichloroethene

Concen: 2.149 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

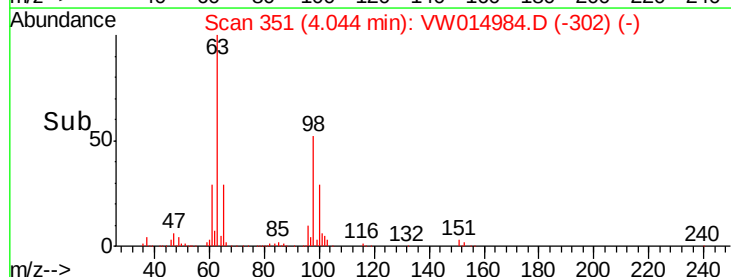
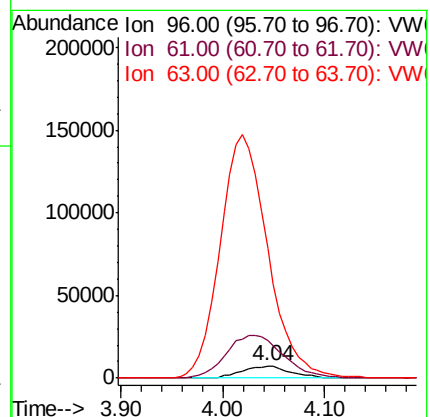
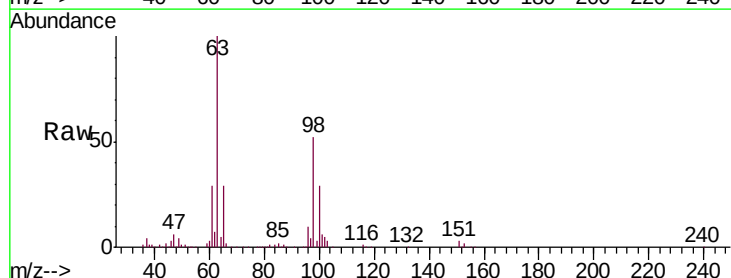
Tgt Ion: 96 Resp: 24851

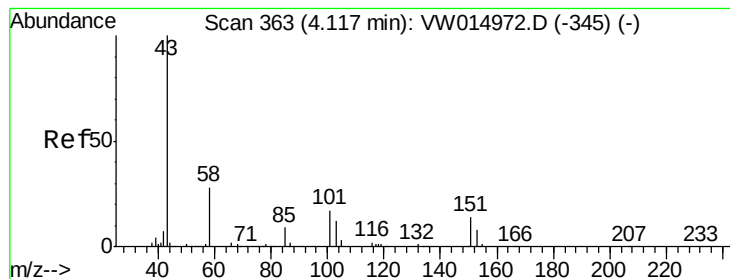
Ion Ratio Lower Upper

96 100

61 300.2 147.0 273.0#

63 1039.4 113.4 210.6#





#13

Acetone

Concen: 4.922 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

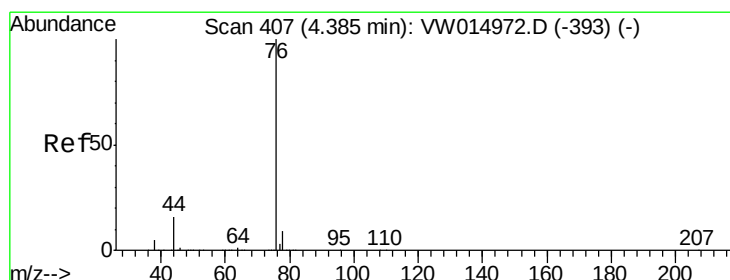
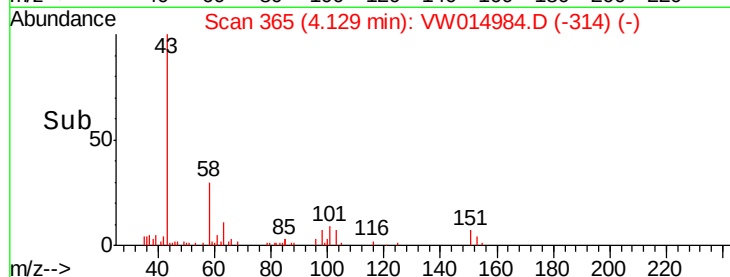
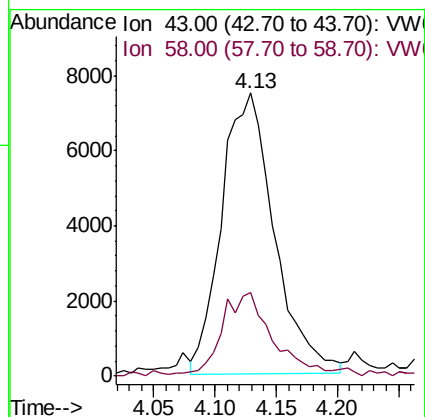
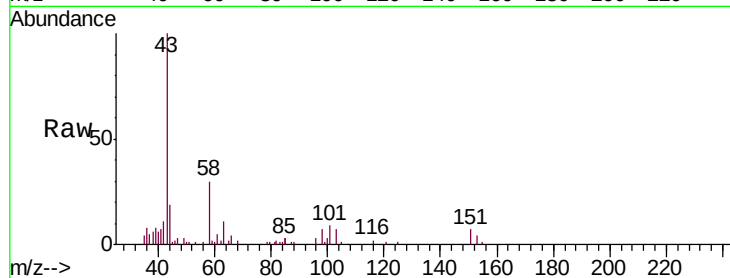
MDL03

Tgt Ion: 43 Resp: 22374

Ion Ratio Lower Upper

43 100

58 18.2 0.0 54.6



#14

Carbon disulfide

Concen: 1.844 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014984.D

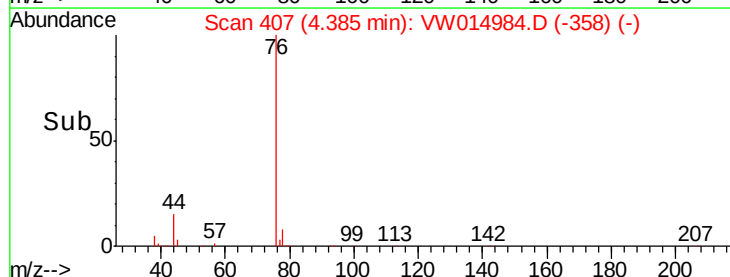
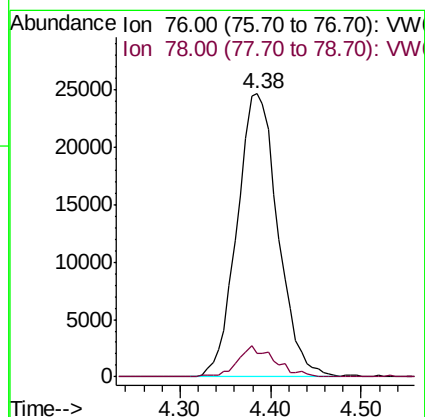
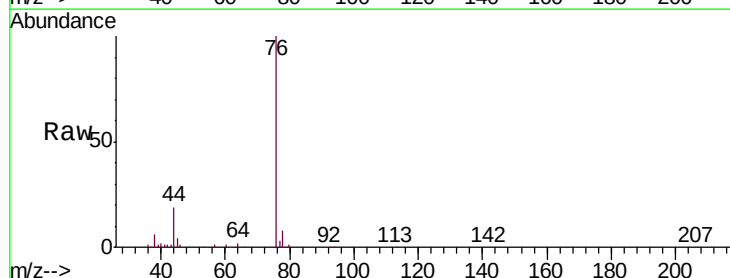
Acq: 13 Feb 2020 16:56

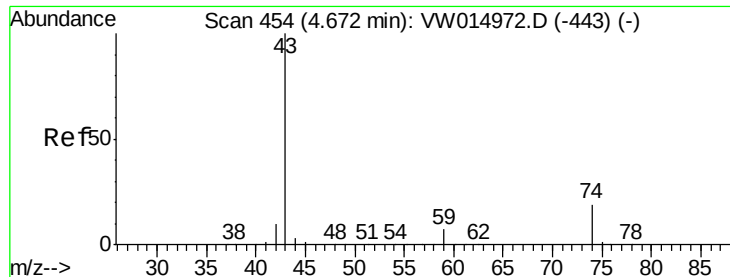
Tgt Ion: 76 Resp: 77070

Ion Ratio Lower Upper

76 100

78 8.3 7.2 10.8

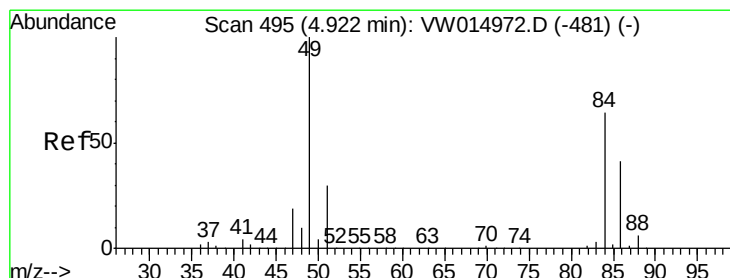
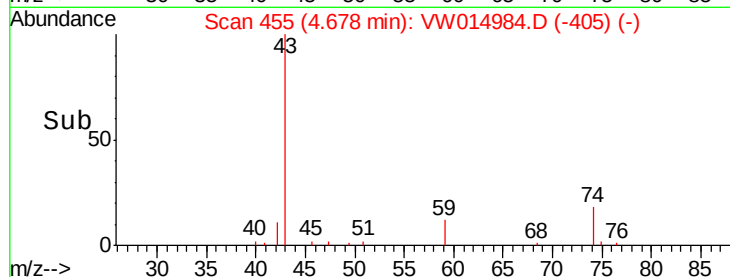
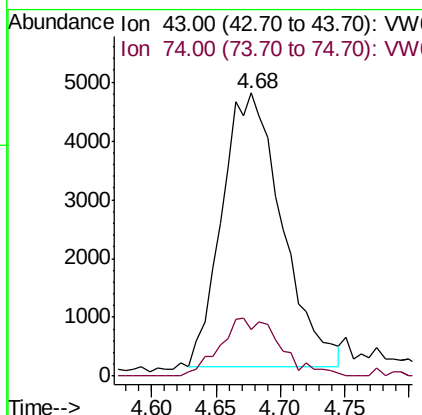
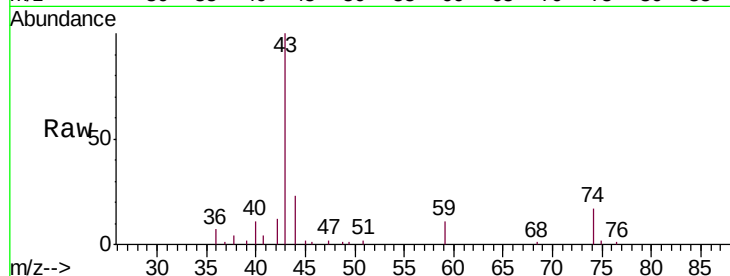




#15
Methyl Acetate
Concen: 1.901 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW014984.D
Acq: 13 Feb 2020 16:56

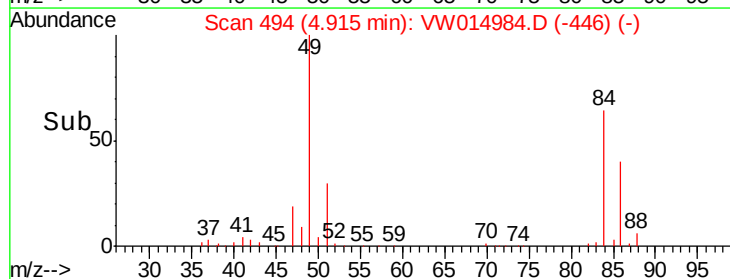
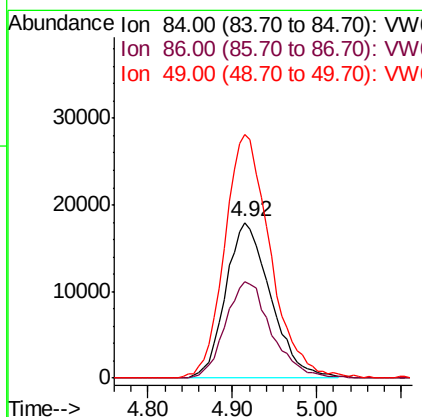
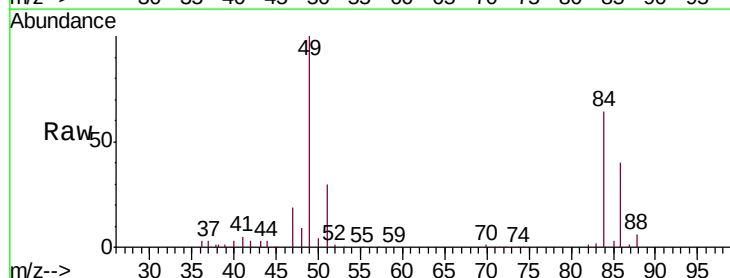
Instrument :
MSVOA_W
ClientSampled :
MDL03

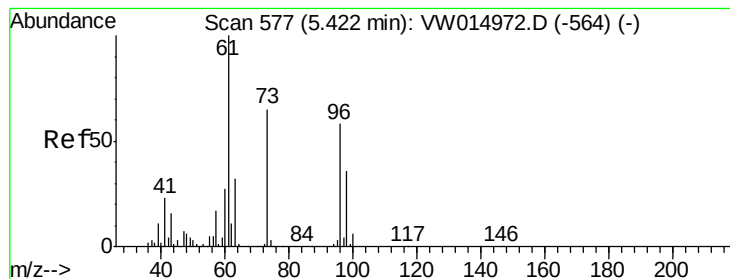
Tgt Ion: 43 Resp: 14992
Ion Ratio Lower Upper
43 100
74 8.1 14.6 21.8#



#16
Methylene chloride
Concen: 4.571 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW014984.D
Acq: 13 Feb 2020 16:56

Tgt Ion: 84 Resp: 65534
Ion Ratio Lower Upper
84 100
86 61.8 44.4 82.4
49 156.3 109.0 202.4





#17

trans-1,2-Dichloroethene

Concen: 1.889 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampleID :

MDL03

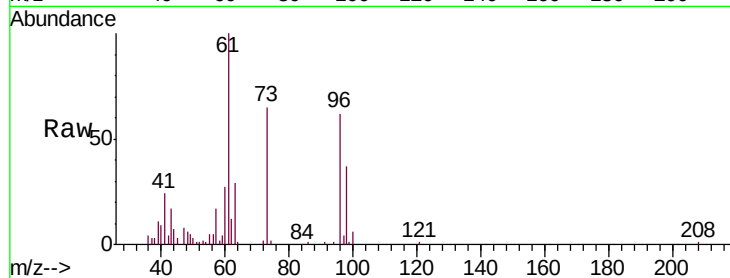
Tgt Ion: 96 Resp: 22040

Ion Ratio Lower Upper

96 100

61 162.5 120.1 223.1

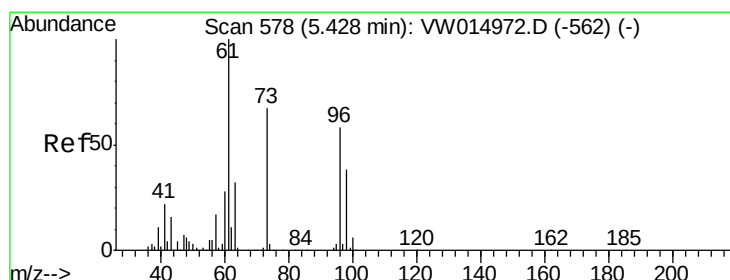
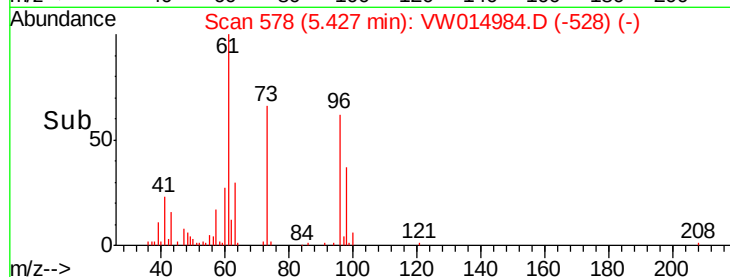
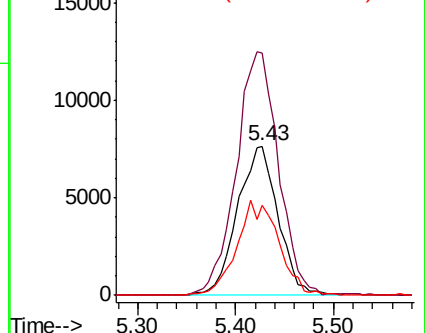
98 60.2 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#18

Methyl tert-butyl Ether

Concen: 1.879 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

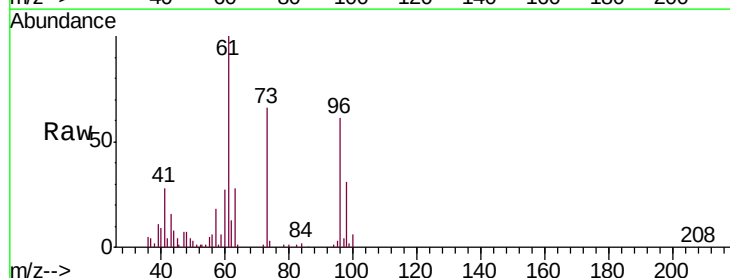
Tgt Ion: 73 Resp: 27057

Ion Ratio Lower Upper

73 100

43 20.2 19.6 29.4

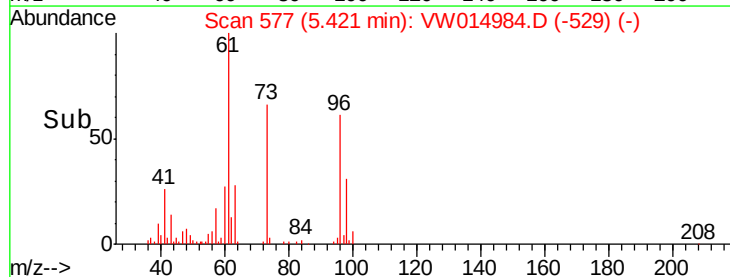
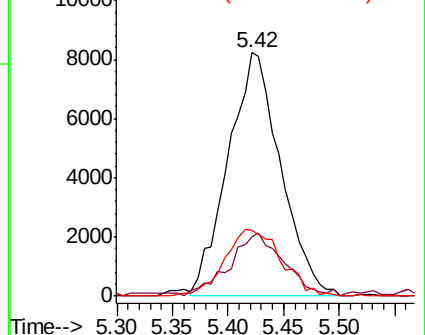
57 29.3 21.0 31.4

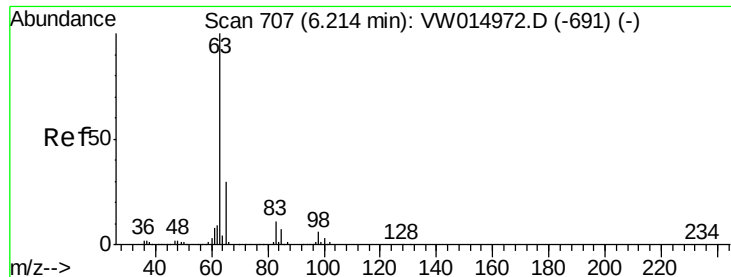


Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW

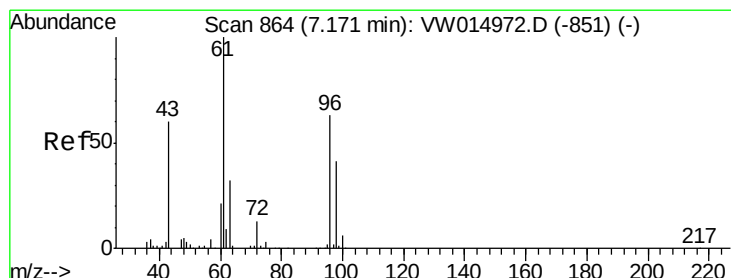
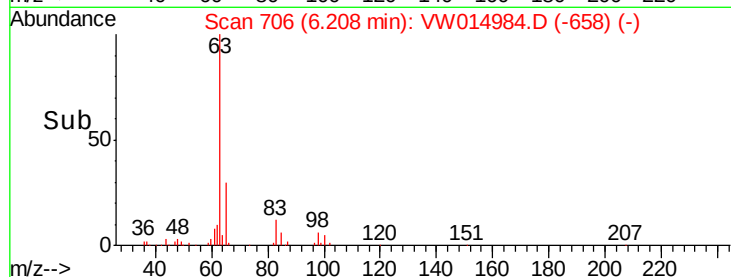
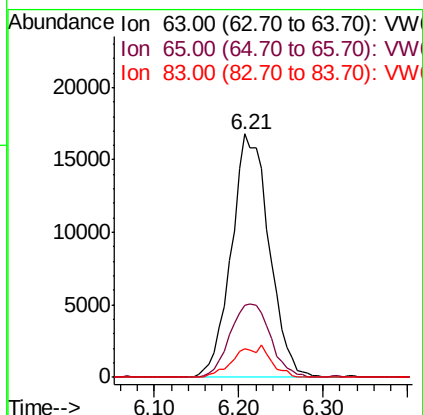
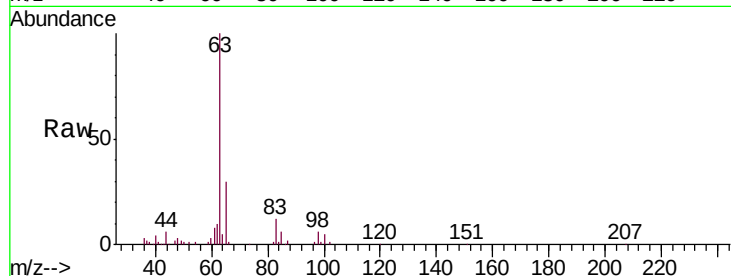




#19
 1,1-Dichloroethane
 Concen: 1.957 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW014984.D
 Acq: 13 Feb 2020 16:56

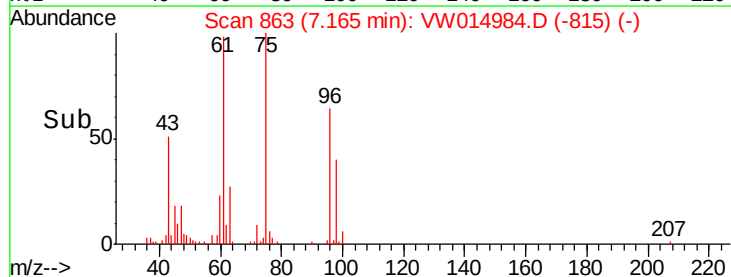
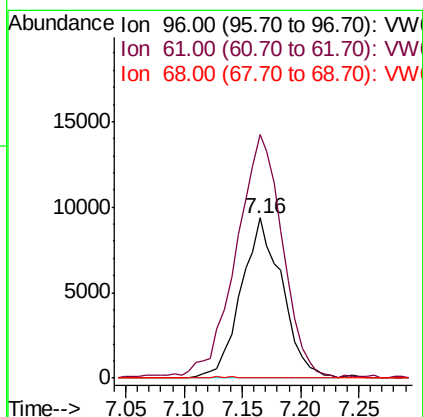
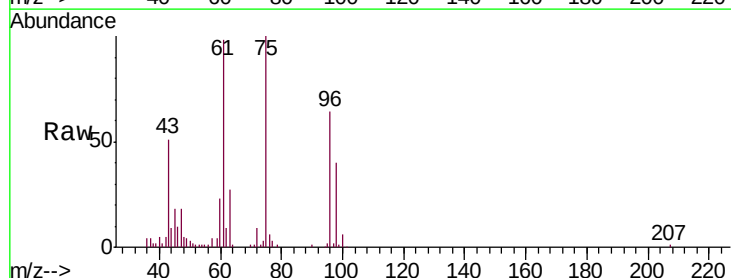
Instrument :
 MSVOA_W
 ClientSampled :
 MDL03

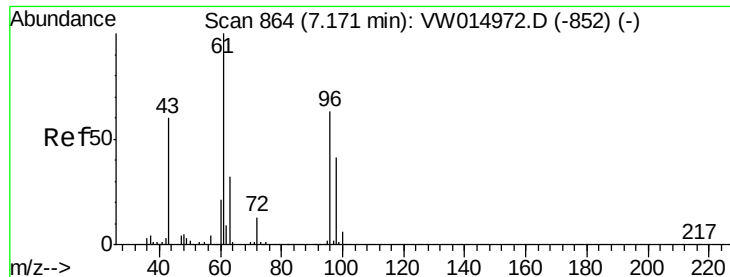
Tgt Ion: 63 Resp: 51010
 Ion Ratio Lower Upper
 63 100
 65 29.6 20.9 38.7
 83 11.5 7.8 14.6



#20
 cis-1,2-Dichloroethene
 Concen: 1.917 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW014984.D
 Acq: 13 Feb 2020 16:56

Tgt Ion: 96 Resp: 23048
 Ion Ratio Lower Upper
 96 100
 61 152.2 111.5 207.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 4.731 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampled :

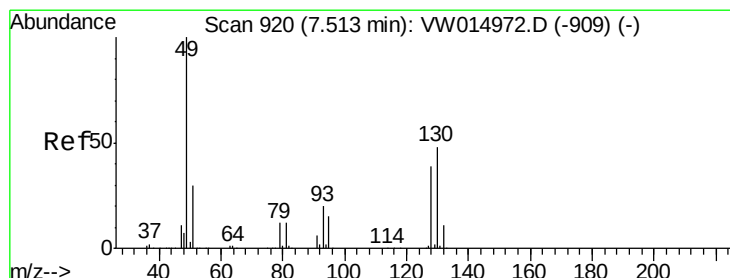
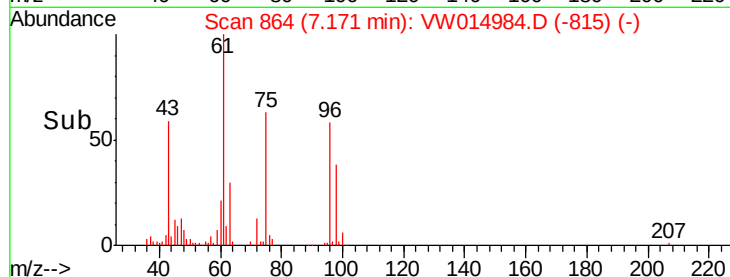
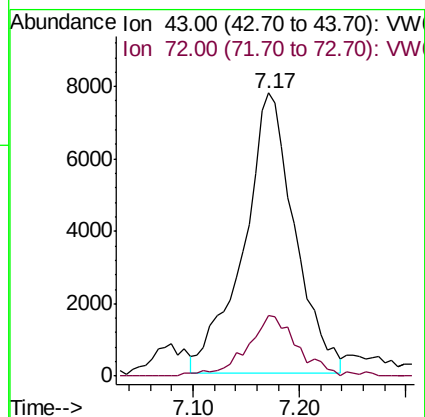
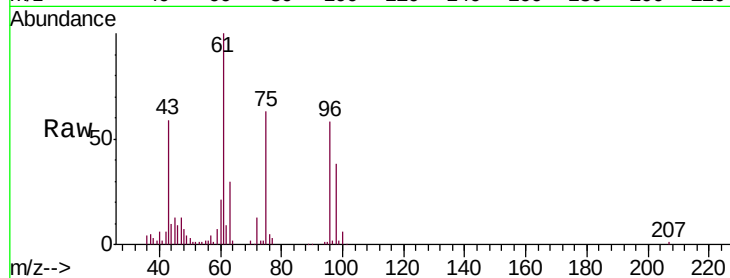
MDL03

Tgt Ion: 43 Resp: 25852

Ion Ratio Lower Upper

43 100

72 18.8 11.1 33.1



#23

Bromochloromethane

Concen: 2.061 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

Tgt Ion: 128 Resp: 10054

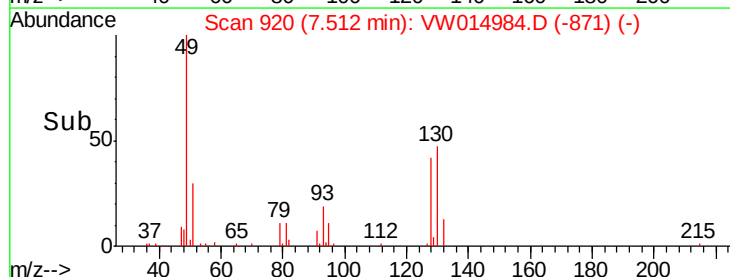
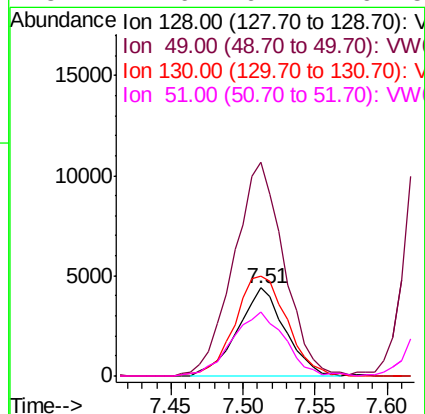
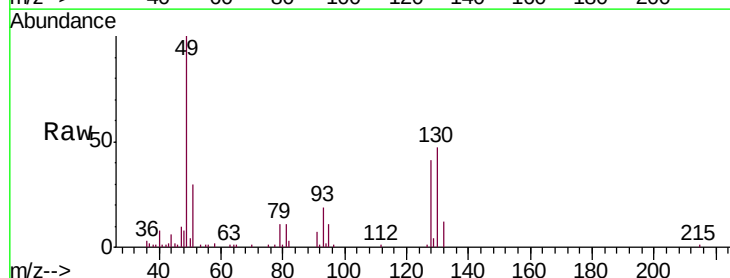
Ion Ratio Lower Upper

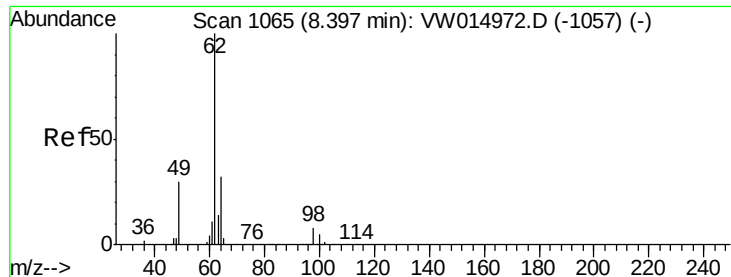
128 100

49 242.1 179.0 332.4

130 112.9 85.5 158.7

51 72.6 61.7 92.5





#27

1,2-Dichloroethane

Concen: 2.077 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampled :

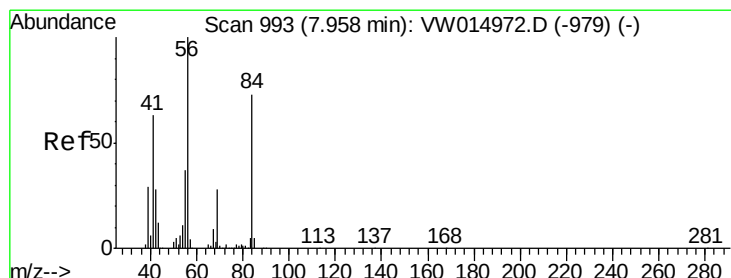
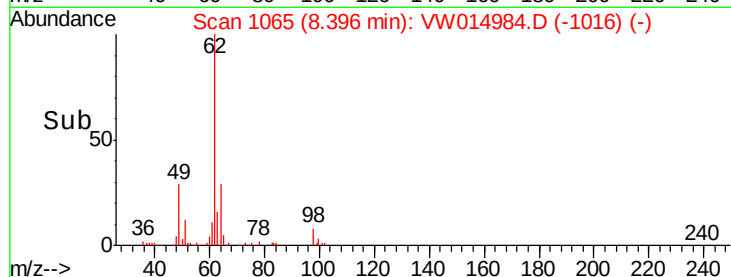
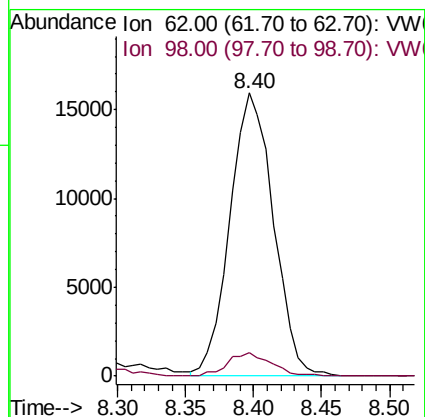
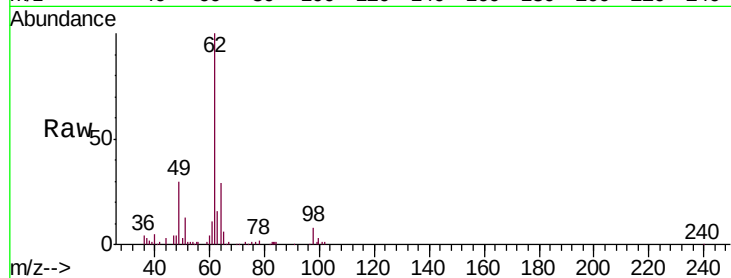
MDL03

Tgt Ion: 62 Resp: 35447

Ion Ratio Lower Upper

62 100

98 8.4 6.2 9.4



#29

Cyclohexane

Concen: 1.559 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

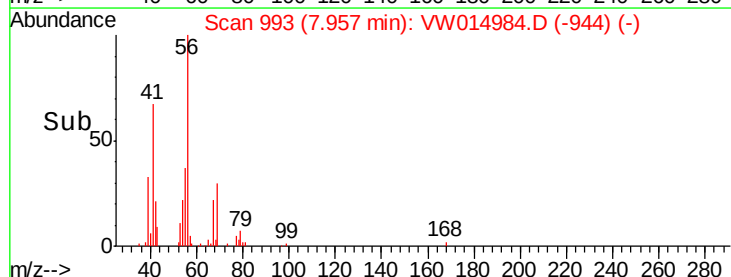
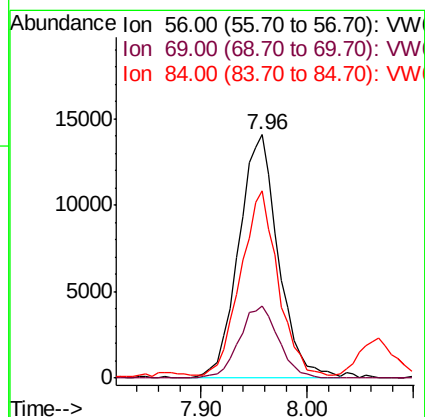
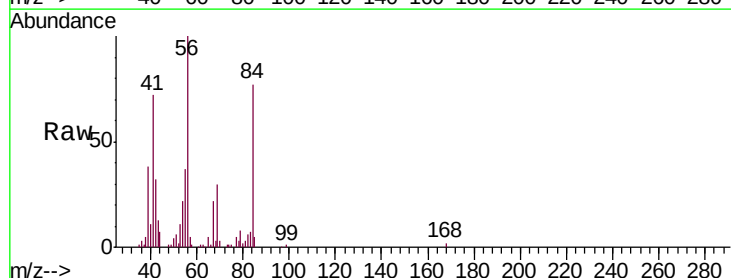
Tgt Ion: 56 Resp: 36726

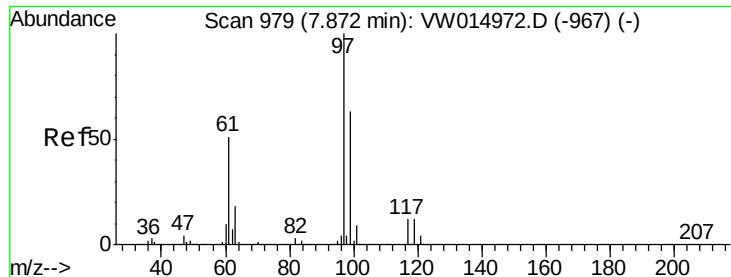
Ion Ratio Lower Upper

56 100

69 29.2 22.0 33.0

84 72.8 57.8 86.6

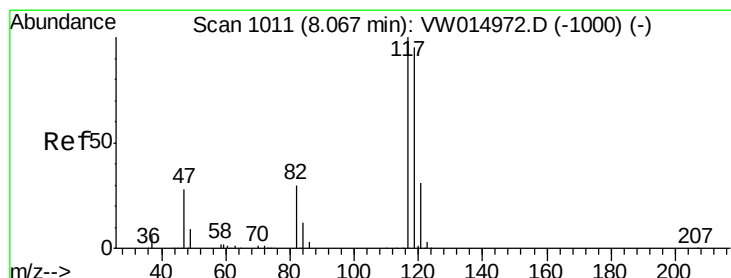
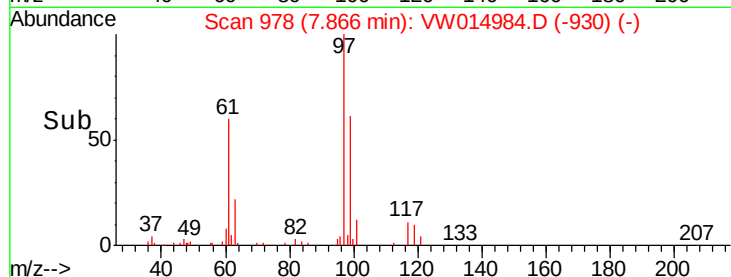
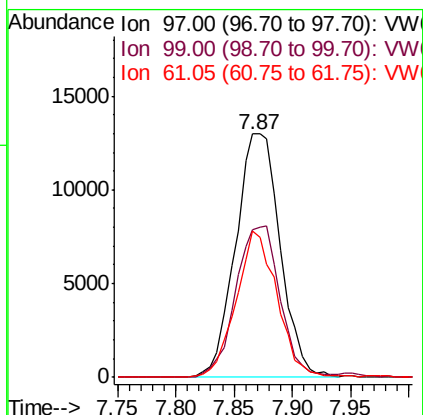
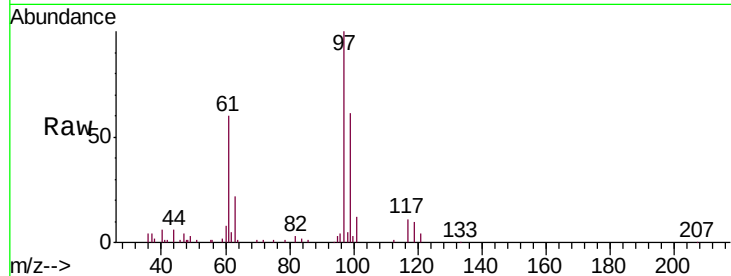




#30
 1,1,1-Trichloroethane
 Concen: 1.971 ug/L
 RT: 7.87 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: VW014984.D
 Acq: 13 Feb 2020 16:56

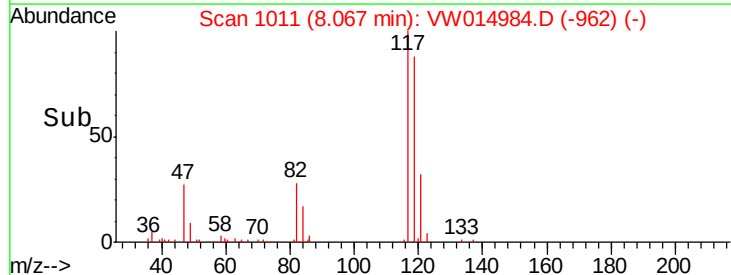
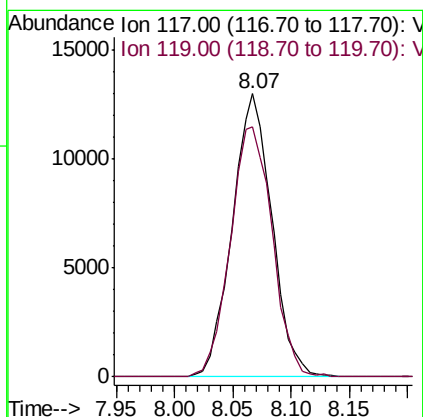
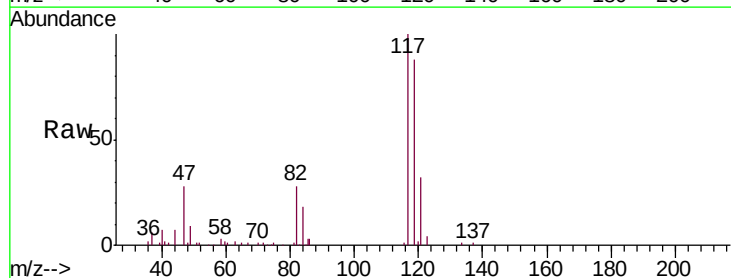
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL03

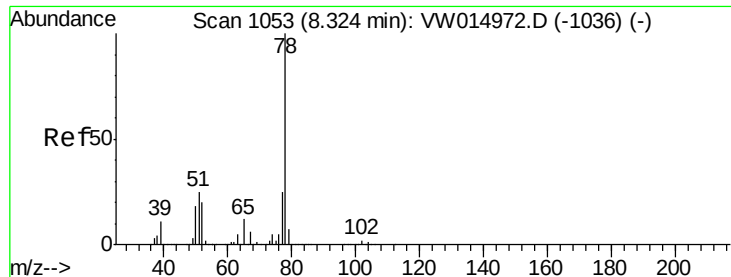
Tgt Ion: 97 Resp: 34645
 Ion Ratio Lower Upper
 97 100
 99 61.7 50.6 75.8
 61 55.0 42.7 64.1



#31
 Carbon tetrachloride
 Concen: 1.944 ug/L
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW014984.D
 Acq: 13 Feb 2020 16:56

Tgt Ion: 117 Resp: 30797
 Ion Ratio Lower Upper
 117 100
 119 93.1 76.6 114.8





#33

Benzene

Concen: 2.013 ug/L

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

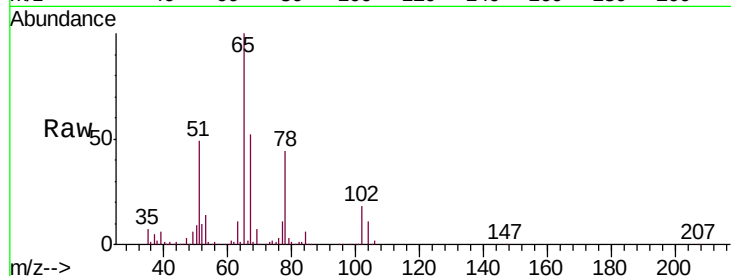
Instrument :

MSVOA_W

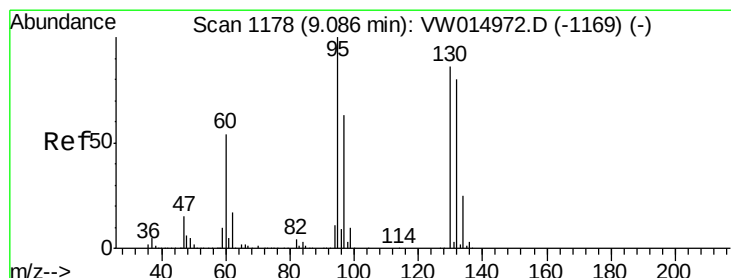
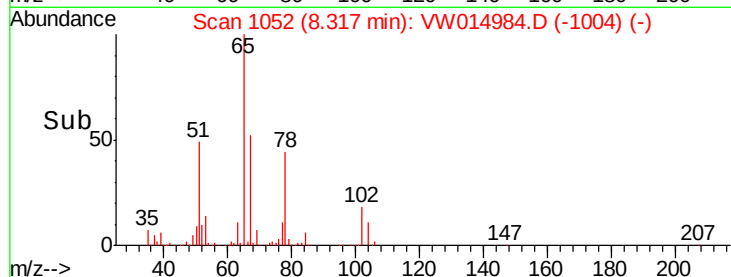
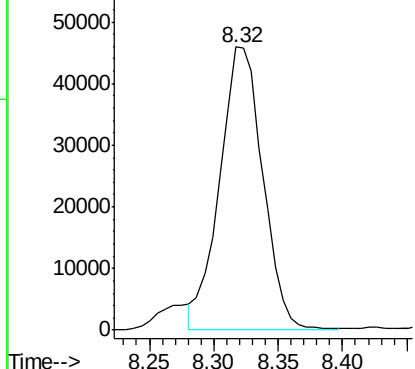
ClientSampleId :

MDL03

Tgt Ion: 78 Resp: 106810



Abundance Ion 78.00 (77.70 to 78.70): VW



#34

Trichloroethene

Concen: 1.950 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

Tgt Ion: 95 Resp: 24774

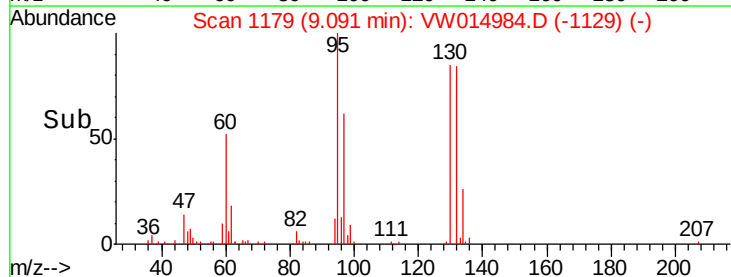
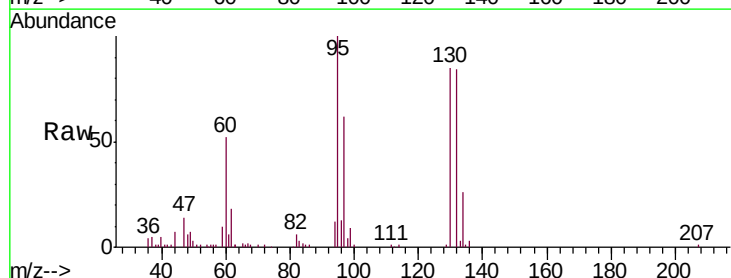
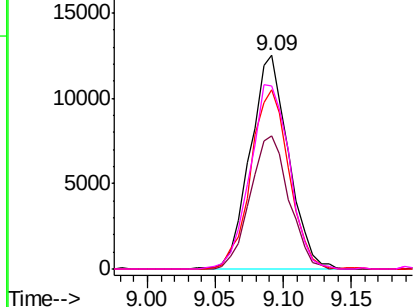
Ion	Ratio	Lower	Upper
95	100		
97	62.4	44.2	82.0
132	84.1	56.1	104.3
130	85.4	60.1	111.7

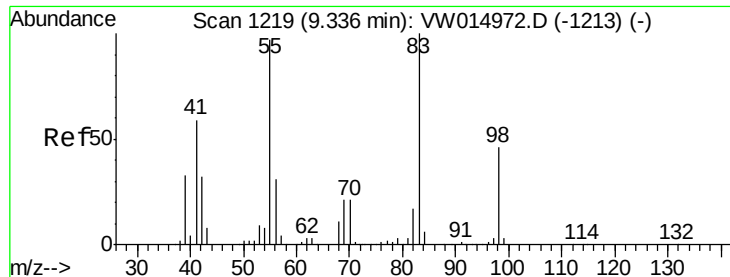
Abundance Ion 95.00 (94.70 to 95.70): VW

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

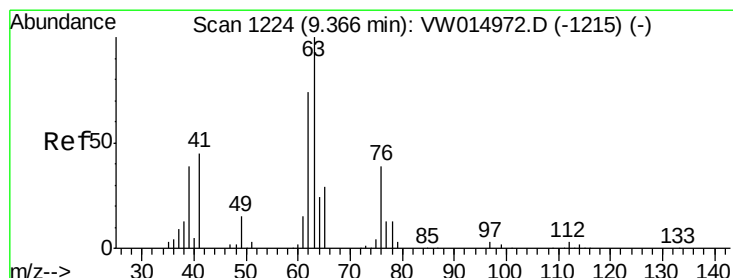
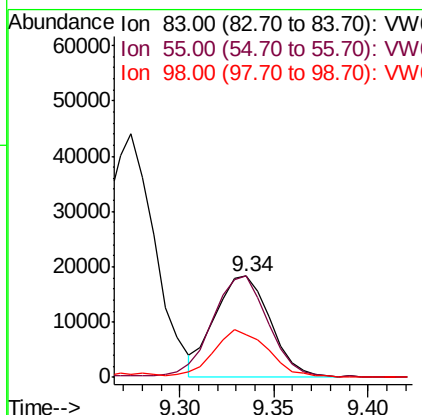
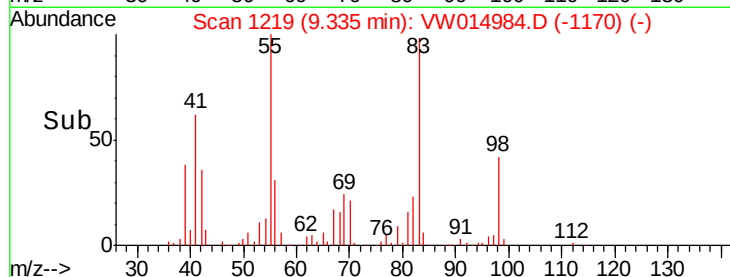
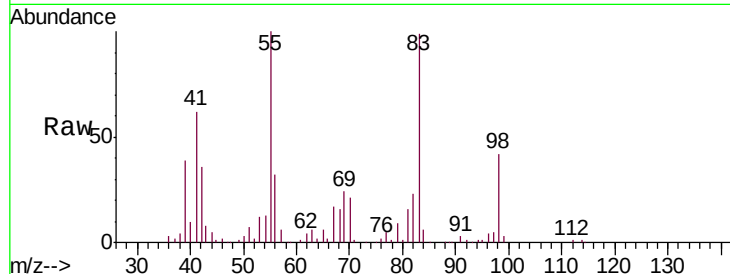




#35
Methylcyclohexane
Concen: 1.708 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW014984.D
Acq: 13 Feb 2020 16:56

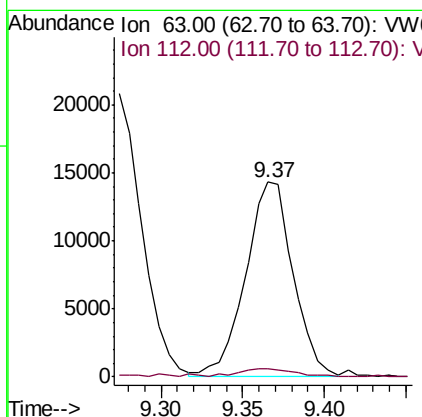
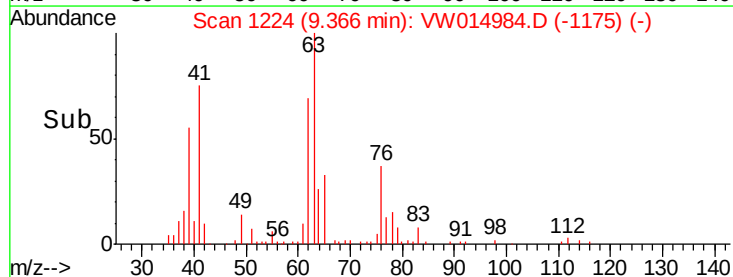
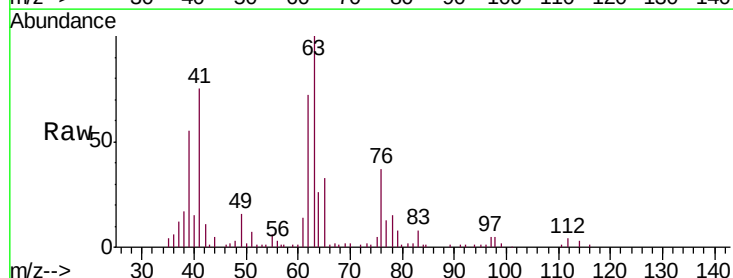
Instrument :
MSVOA_W
ClientSampled :
MDL03

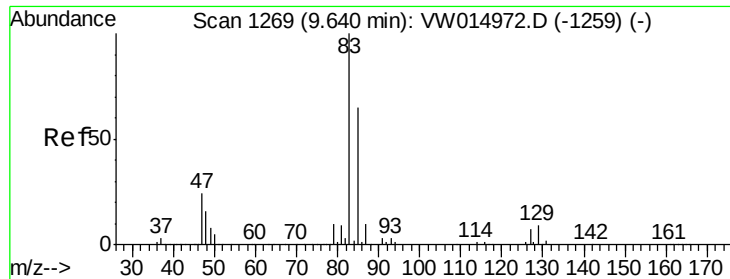
Tgt Ion: 83 Resp: 37429
Ion Ratio Lower Upper
83 100
55 101.4 76.3 114.5
98 46.5 36.4 54.6



#37
1,2-Dichloropropane
Concen: 1.965 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW014984.D
Acq: 13 Feb 2020 16:56

Tgt Ion: 63 Resp: 29110
Ion Ratio Lower Upper
63 100
112 4.6 2.6 4.0#

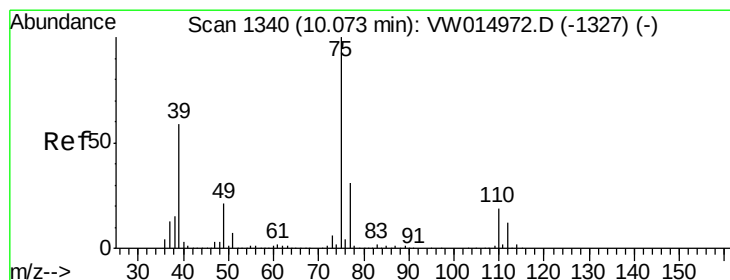
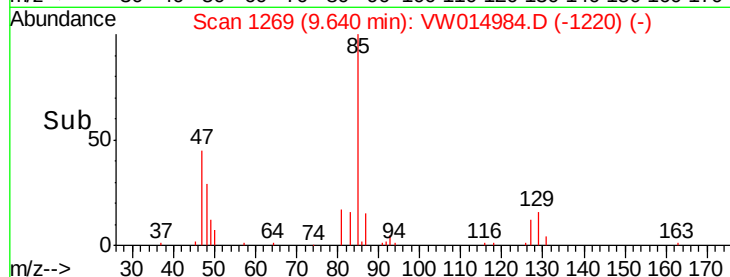
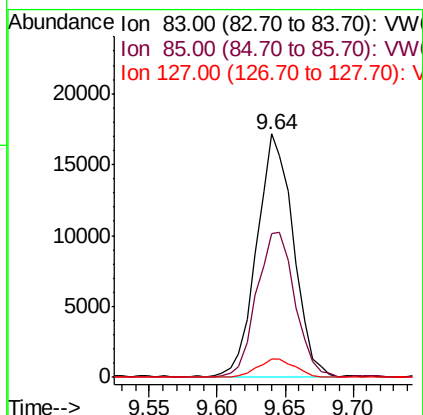
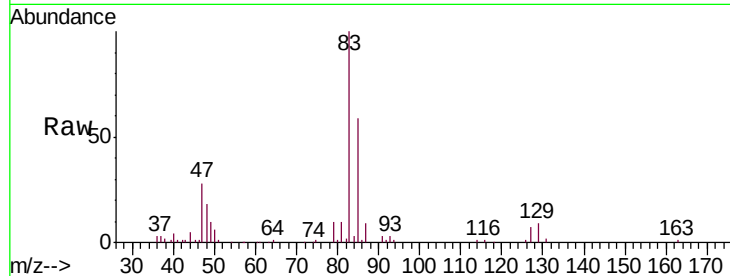




#38
 Bromodichloromethane
 Concen: 1.953 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014984.D
 Acq: 13 Feb 2020 16:56

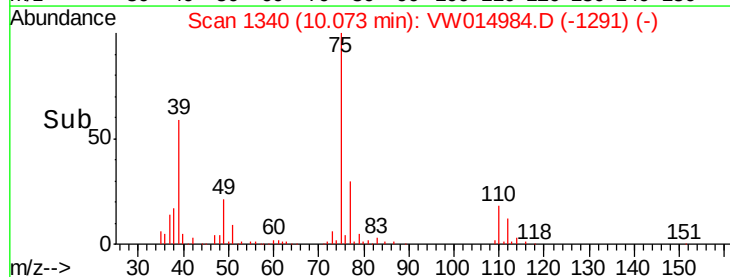
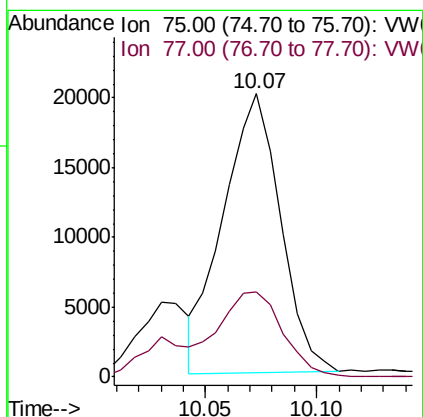
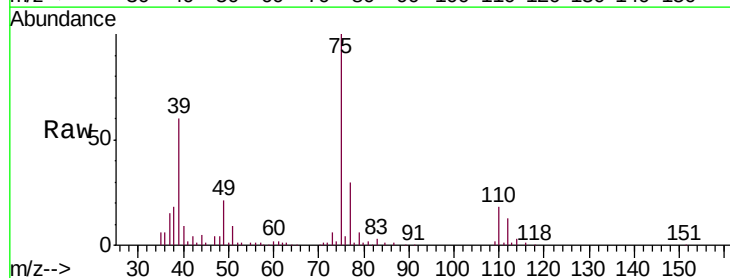
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL03

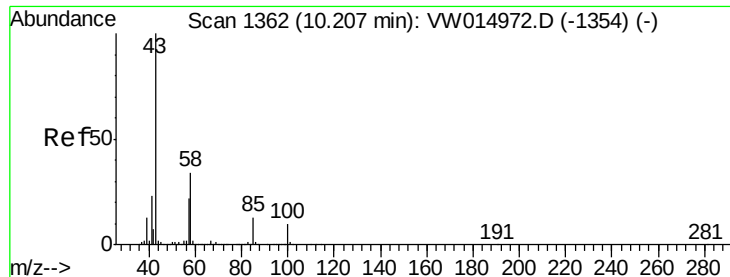
Tgt Ion: 83 Resp: 32580
 Ion Ratio Lower Upper
 83 100
 85 59.3 45.2 84.0
 127 7.3 5.5 8.3



#39
 cis-1,3-Dichloropropene
 Concen: 1.797 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW014984.D
 Acq: 13 Feb 2020 16:56

Tgt Ion: 75 Resp: 35628
 Ion Ratio Lower Upper
 75 100
 77 30.2 21.6 40.2

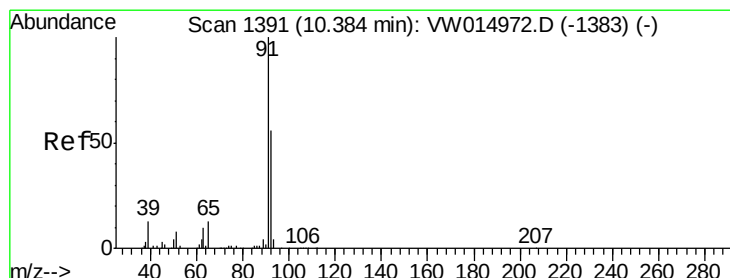
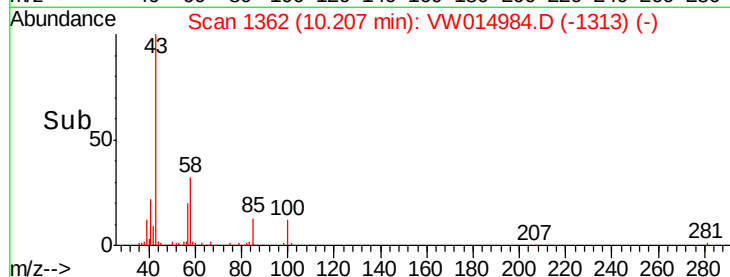
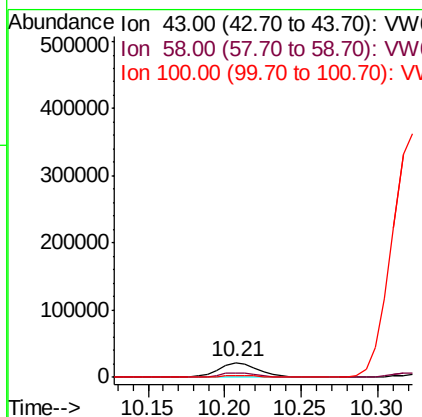
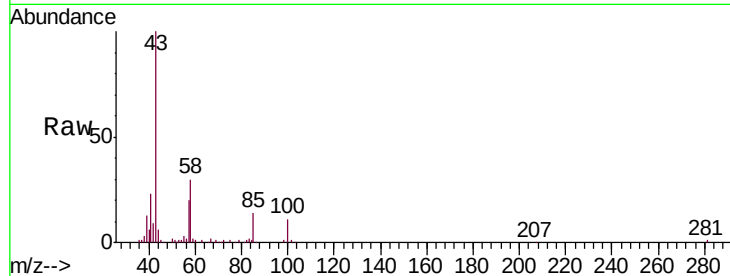




#40
 4-Methyl-2-pentanone
 Concen: 3.766 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014984.D
 Acq: 13 Feb 2020 16:56

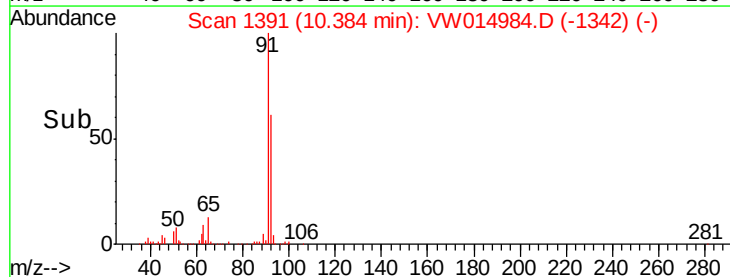
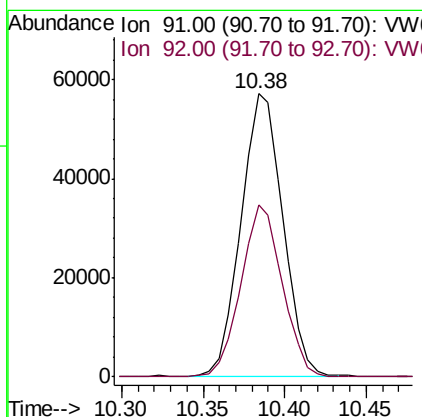
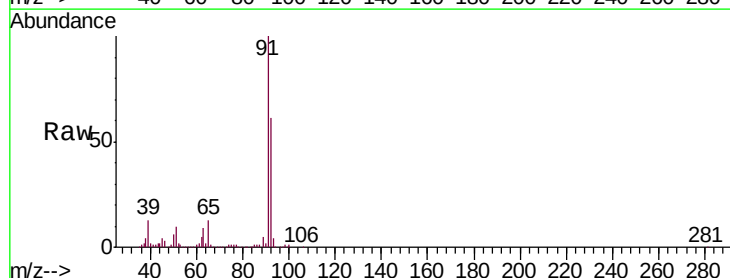
Instrument :
 MSVOA_W
 ClientSampleID :
 MDL03

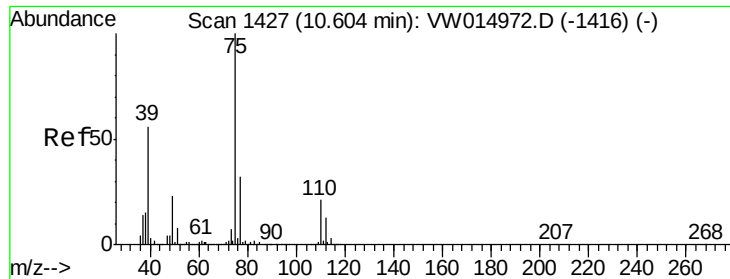
Tgt Ion: 43 Resp: 39721
 Ion Ratio Lower Upper
 43 100
 58 34.3 27.7 41.5
 100 10.6 8.6 13.0



#42
 Toluene
 Concen: 1.999 ug/L
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW014984.D
 Acq: 13 Feb 2020 16:56

Tgt Ion: 91 Resp: 102472
 Ion Ratio Lower Upper
 91 100
 92 60.6 39.5 73.3





#44

trans-1,3-Dichloropropene

Concen: 2.307 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

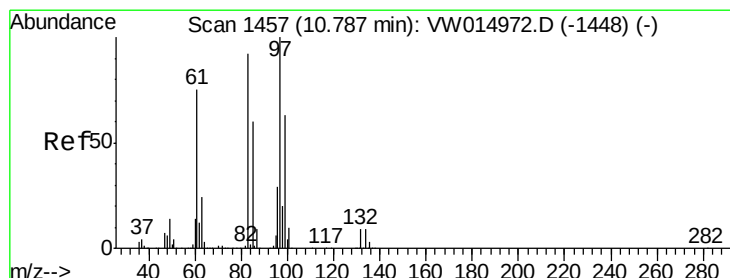
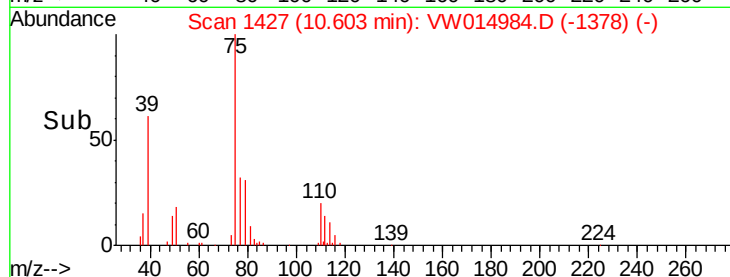
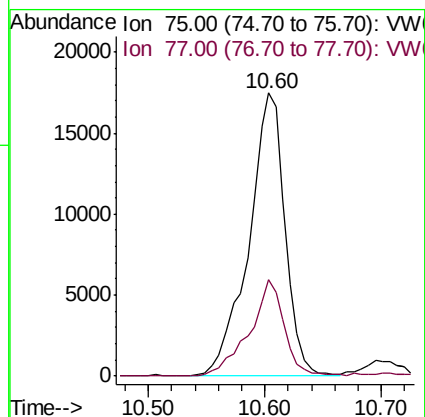
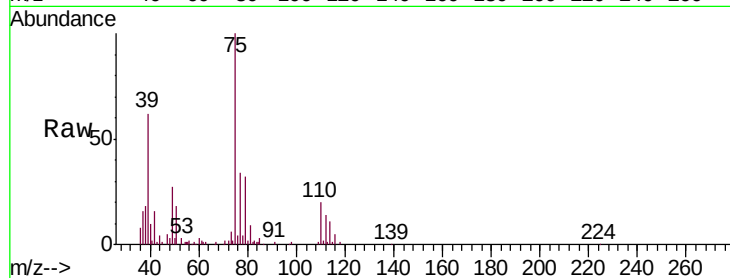
MDL03

Tgt Ion: 75 Resp: 37943

Ion Ratio Lower Upper

75 100

77 33.9 22.7 42.1



#45

1,1,2-Trichloroethane

Concen: 2.091 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

Tgt Ion: 97 Resp: 18790

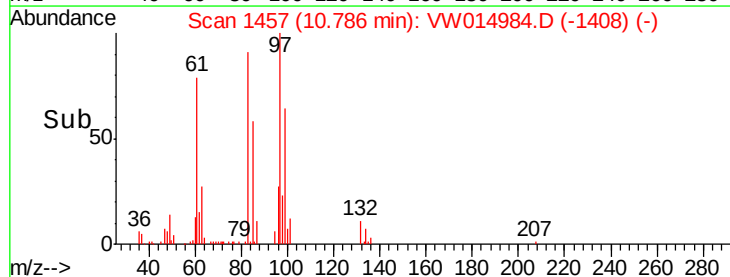
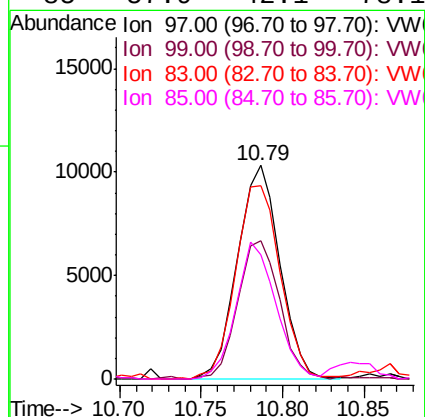
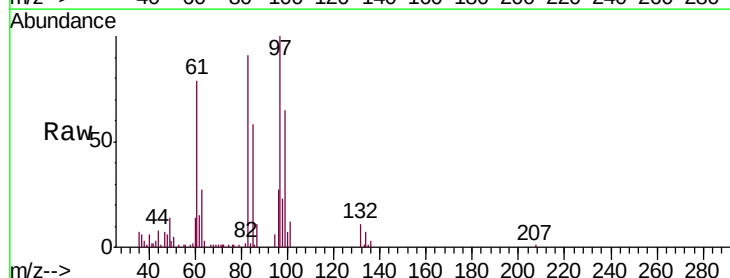
Ion Ratio Lower Upper

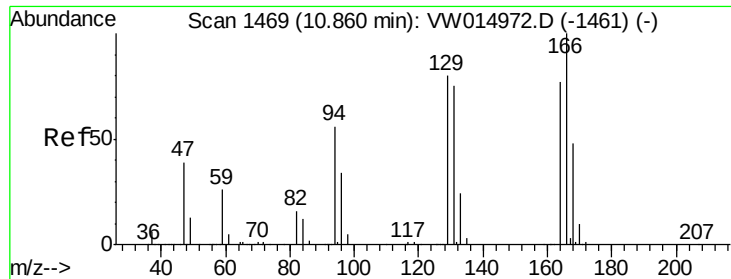
97 100

99 64.6 44.2 82.0

83 90.5 64.1 119.1

85 57.9 42.1 78.1





#46

Tetrachloroethene

Concen: 1.964 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

MDL03

Tgt Ion:164 Resp: 16202

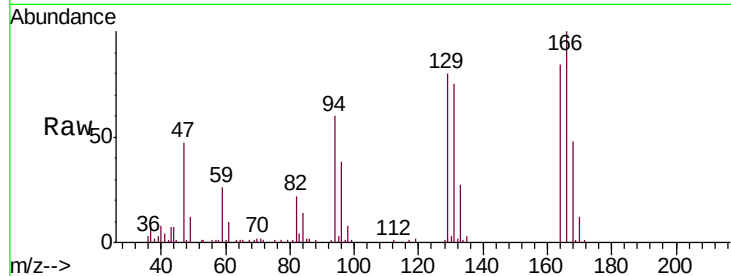
Ion Ratio Lower Upper

164 100

129 94.8 72.2 134.2

131 88.6 68.1 126.5

166 118.5 90.6 168.2

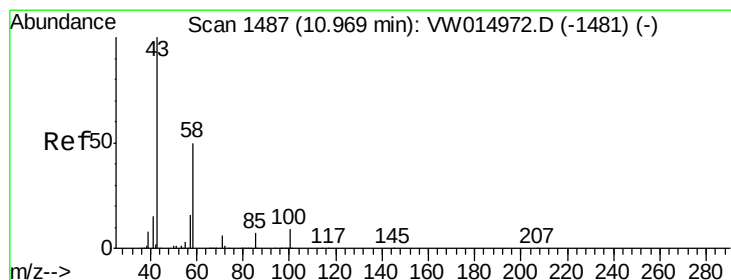
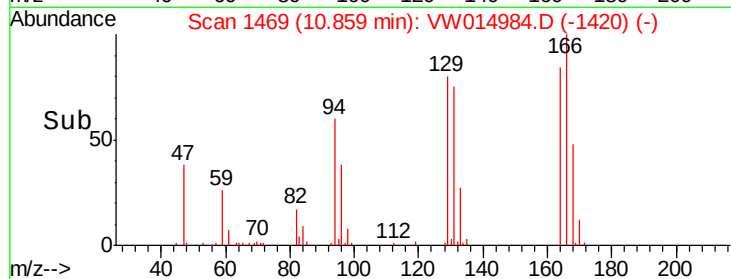
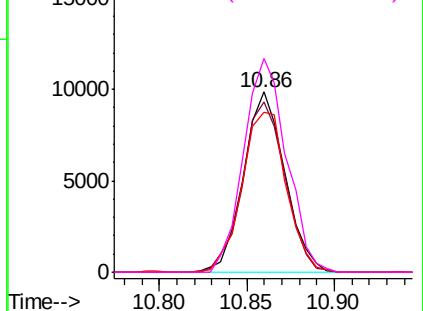


Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.042 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

Tgt Ion: 43 Resp: 31067

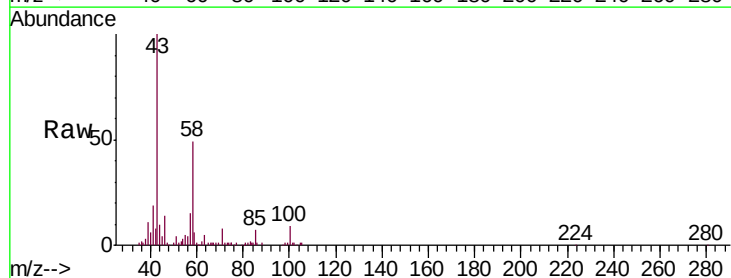
Ion Ratio Lower Upper

43 100

58 48.7 39.2 58.8

57 16.7 13.1 19.7

100 8.7 7.0 10.4

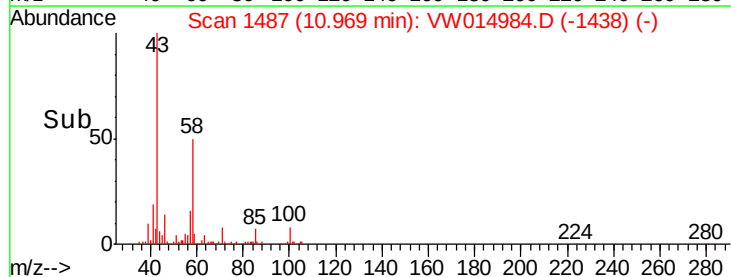
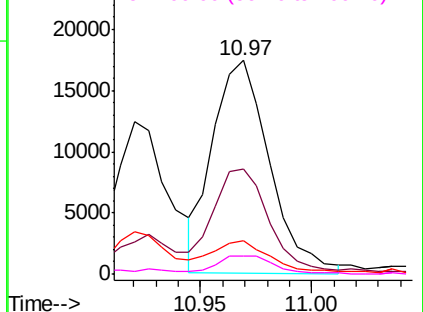


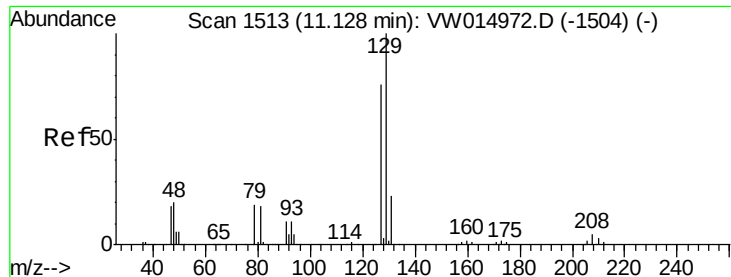
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#49

Dibromochloromethane

Concen: 1.958 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

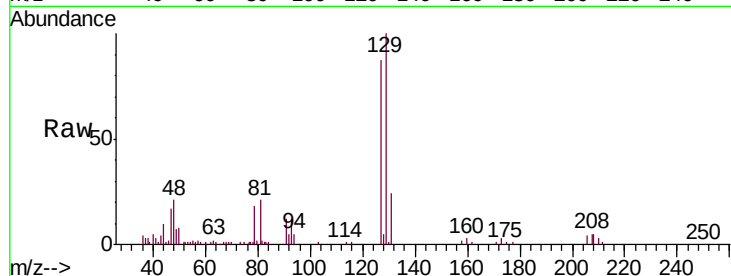
MDL03

Tgt Ion:129 Resp: 18335

Ion Ratio Lower Upper

129 100

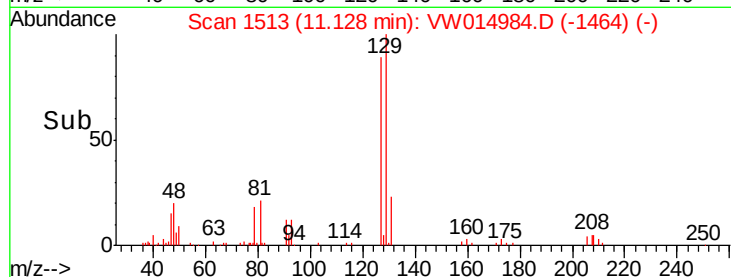
127 87.1 53.0 98.4



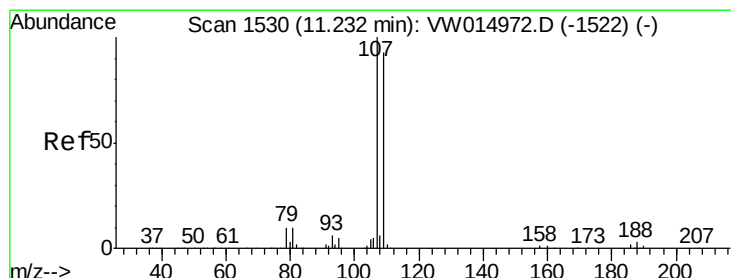
Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

11.13



Time--> 11.05 11.10 11.15



#50

1,2-Dibromoethane

Concen: 1.992 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

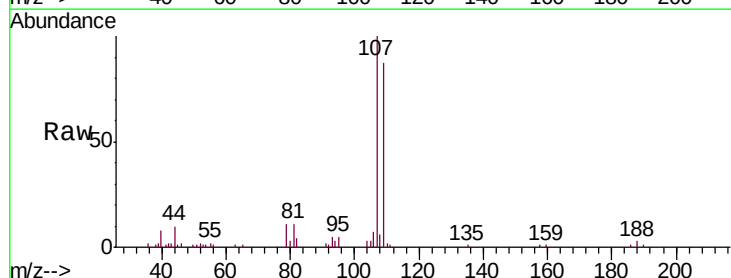
Tgt Ion:107 Resp: 16144

Ion Ratio Lower Upper

107 100

109 87.1 65.1 120.9

188 2.8 2.4 3.6

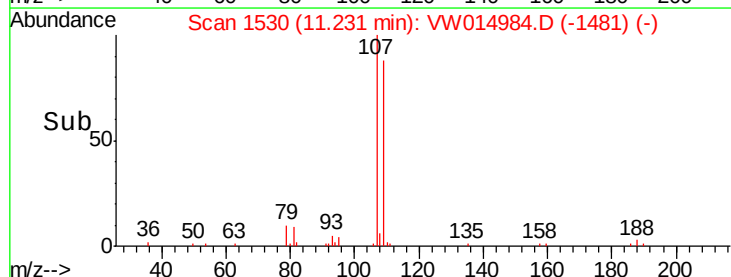


Abundance Ion 107.00 (106.70 to 107.70): V

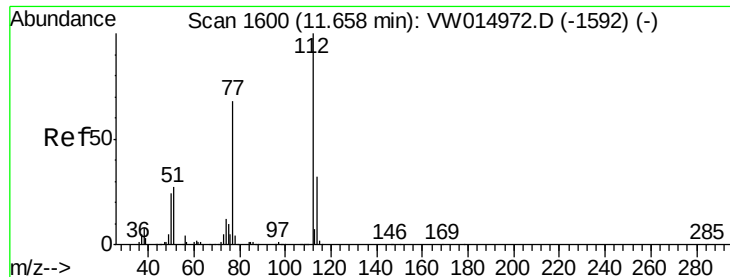
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

11.23



Time--> 11.15 11.20 11.25 11.30



#51

Chlorobenzene

Concen: 1.944 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampled :

MDL03

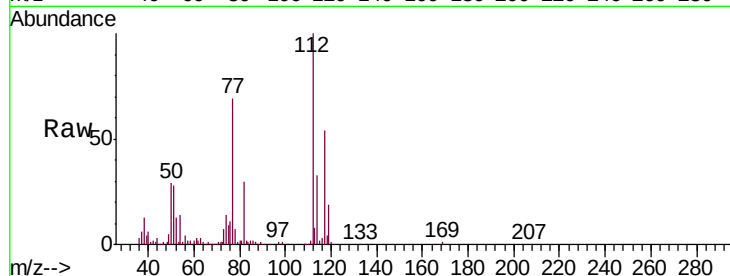
Tgt Ion: 112 Resp: 58771

Ion Ratio Lower Upper

112 100

114 33.3 22.6 42.0

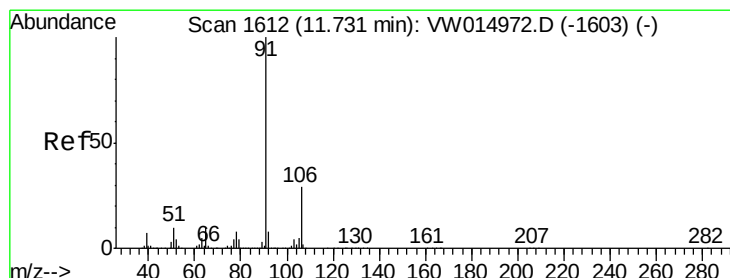
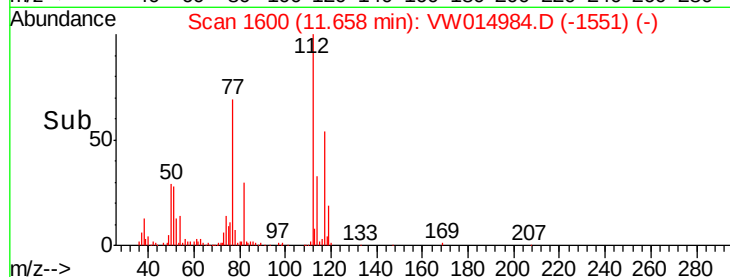
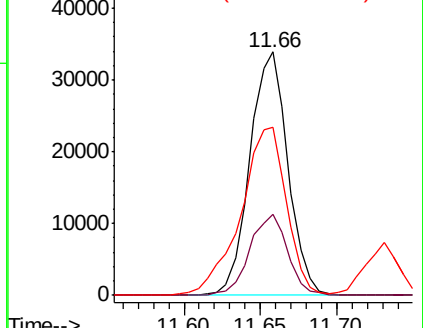
77 69.2 54.6 82.0



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: 1.782 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014984.D

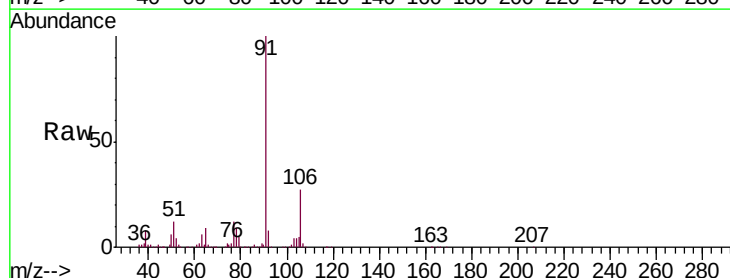
Acq: 13 Feb 2020 16:56

Tgt Ion: 91 Resp: 99506

Ion Ratio Lower Upper

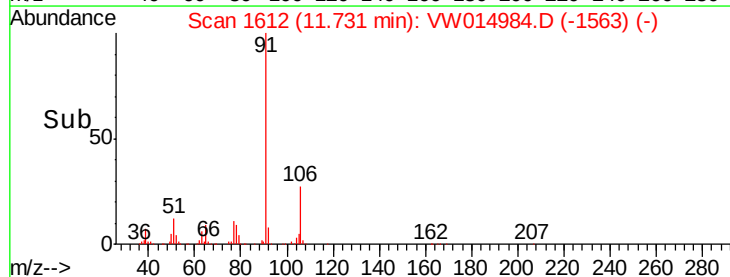
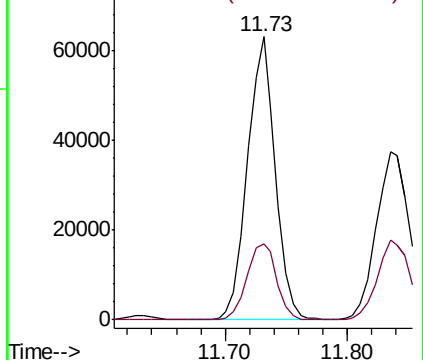
91 100

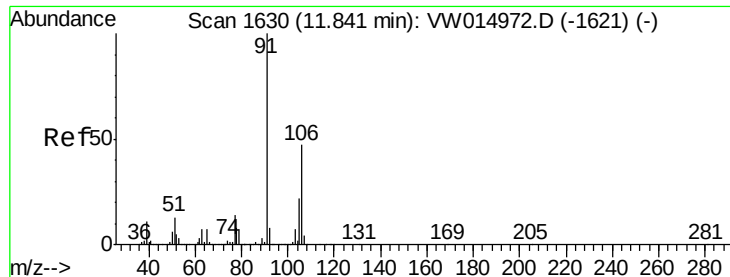
106 26.8 20.2 37.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 1.669 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampled :

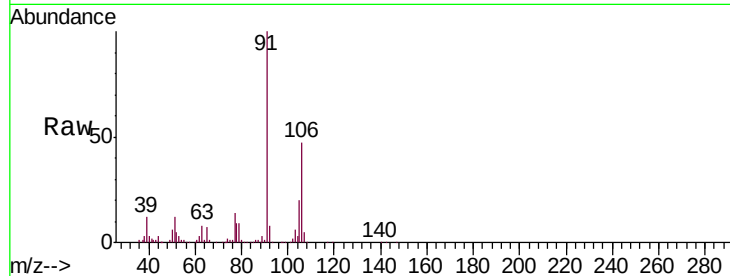
MDL03

Tgt Ion:106 Resp: 32700

Ion Ratio Lower Upper

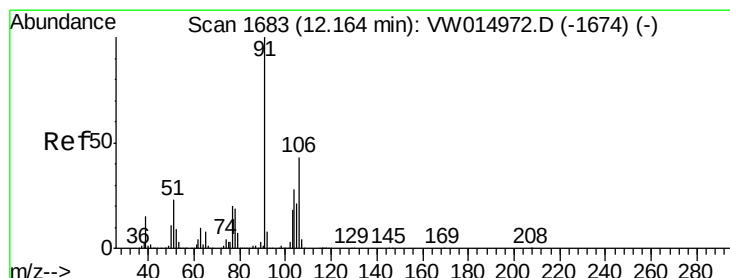
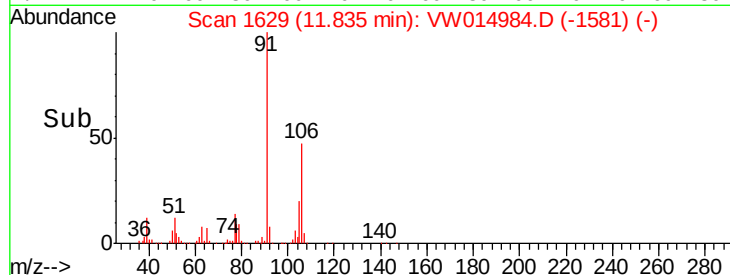
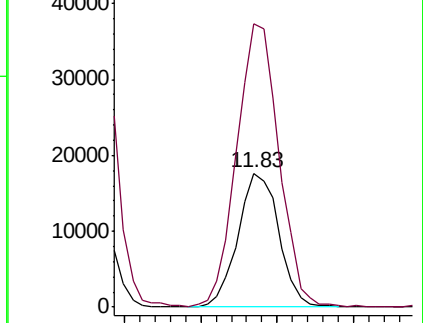
106 100

91 211.4 149.2 277.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#54

o-Xylene

Concen: 1.552 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014984.D

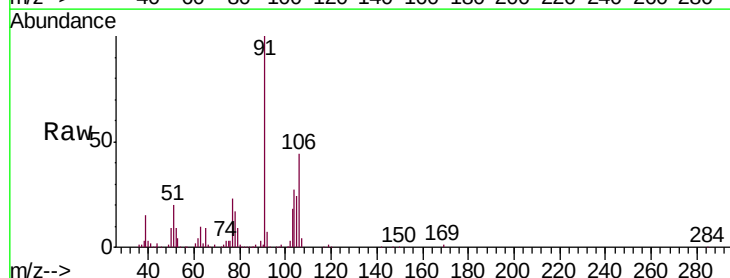
Acq: 13 Feb 2020 16:56

Tgt Ion:106 Resp: 28553

Ion Ratio Lower Upper

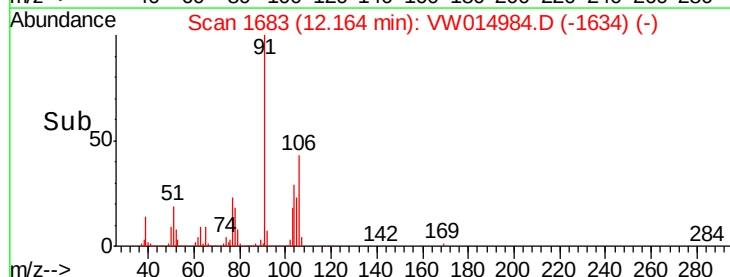
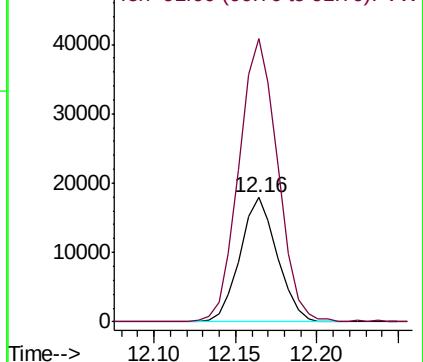
106 100

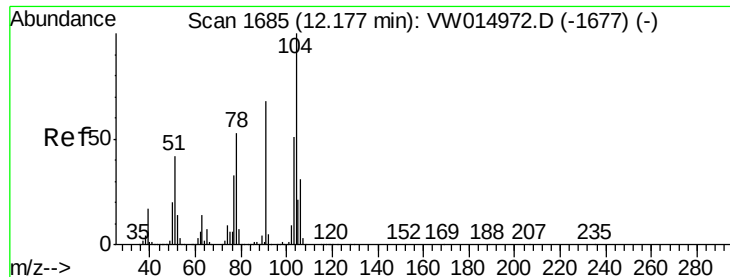
91 228.0 163.7 304.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

Styrene

Concen: 1.523 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

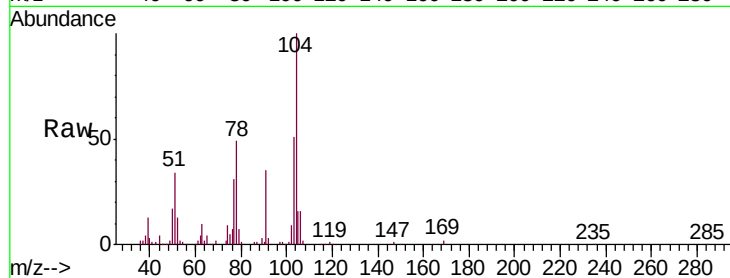
MDL03

Tgt Ion: 104 Resp: 48303

Ion Ratio Lower Upper

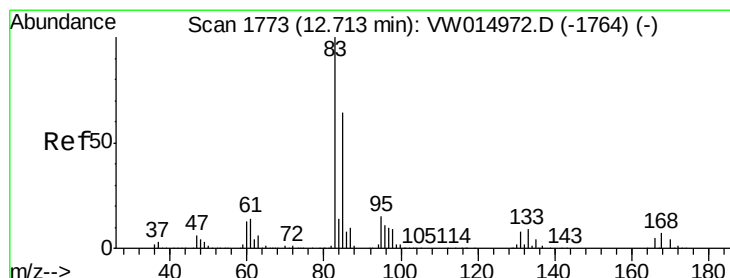
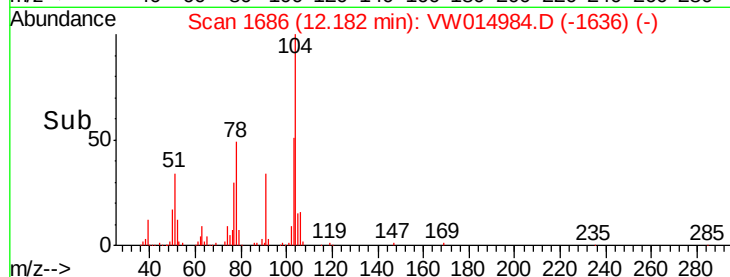
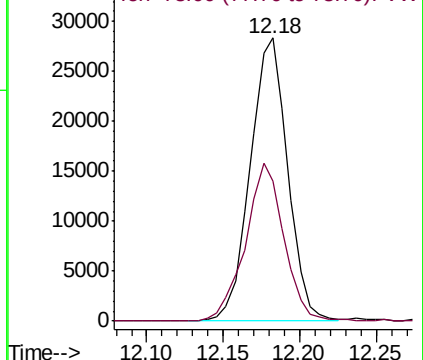
104 100

78 49.4 36.8 68.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

1,1,2,2-Tetrachloroethane

Concen: 2.139 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

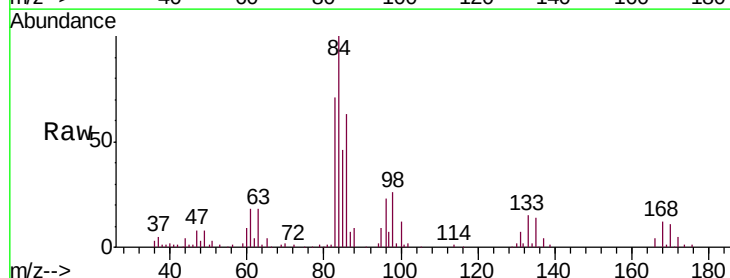
Tgt Ion: 83 Resp: 25723

Ion Ratio Lower Upper

83 100

85 65.1 44.9 83.5

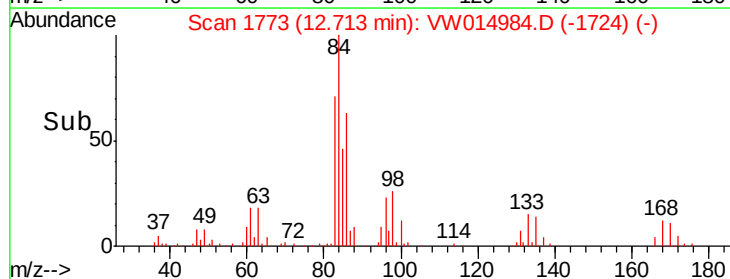
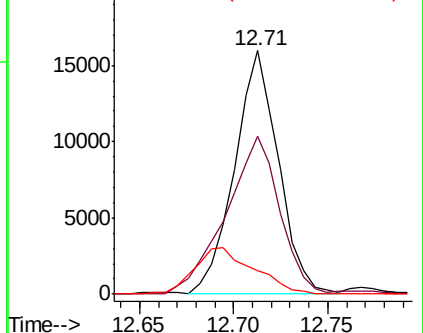
131 9.6 6.2 9.2#

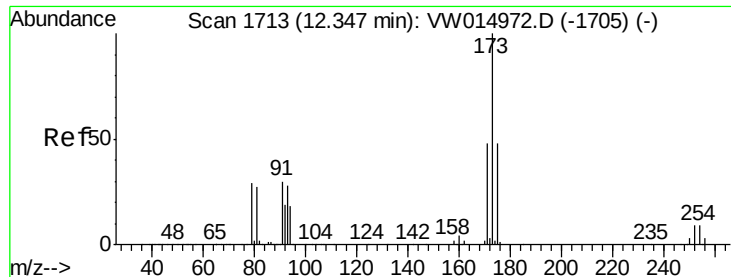


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

Bromoform

Concen: 2.025 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

MDL03

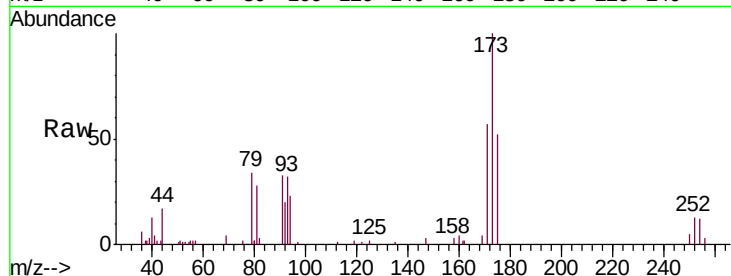
Tgt Ion:173 Resp: 9097

Ion Ratio Lower Upper

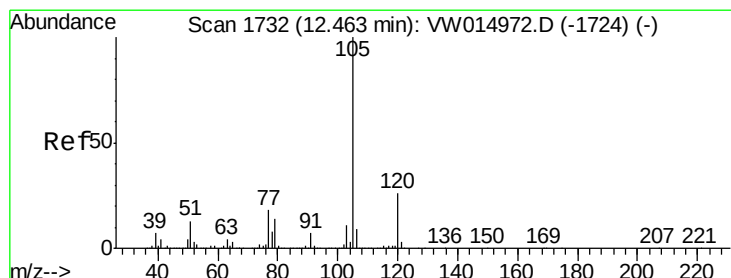
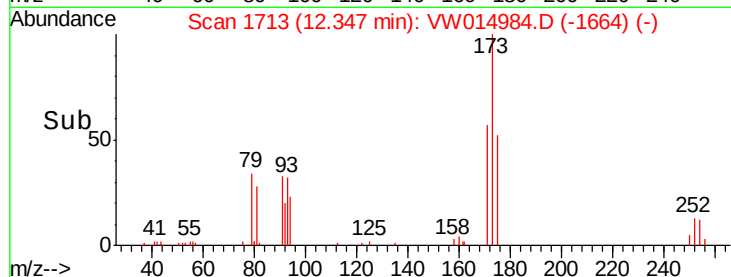
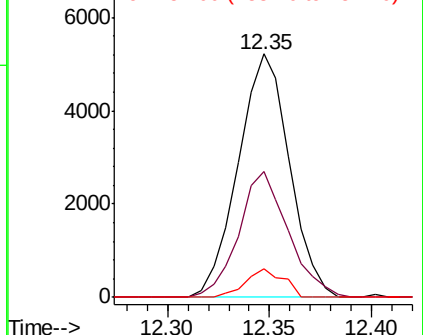
173 100

175 49.9 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: 1.657 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

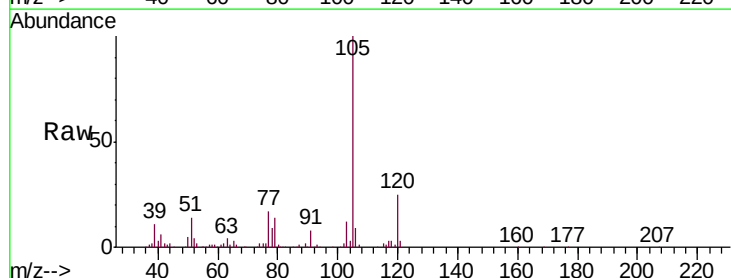
Tgt Ion:105 Resp: 76208

Ion Ratio Lower Upper

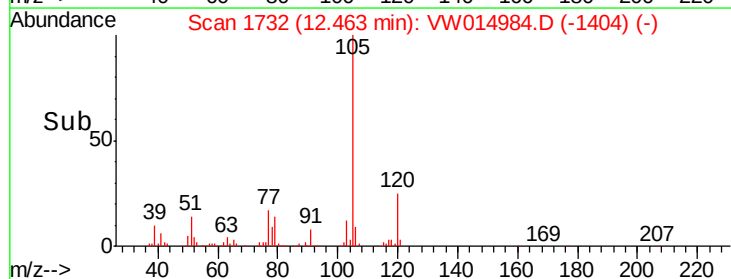
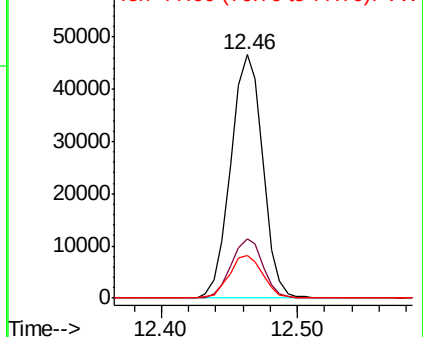
105 100

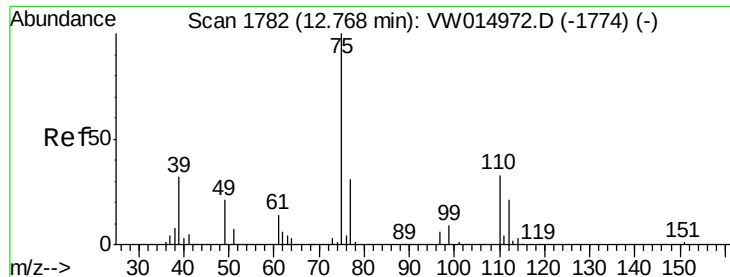
120 24.4 20.1 30.1

77 18.2 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: 2.172 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014984.D

Acq: 13 Feb 2020 16:56

Instrument :

MSVOA_W

ClientSampleId :

MDL03

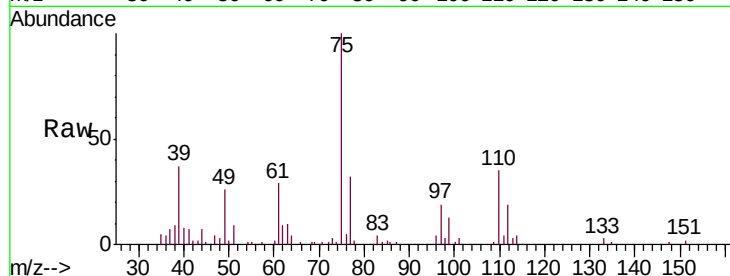
Tgt Ion: 75 Resp: 18697

Ion Ratio Lower Upper

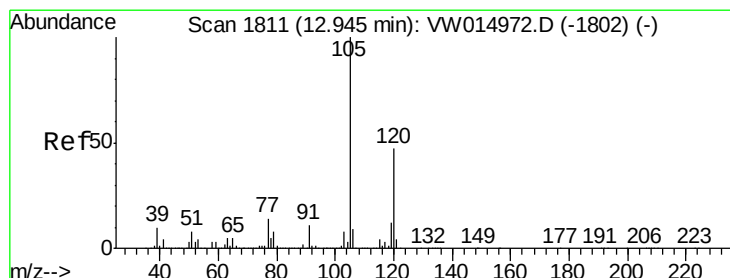
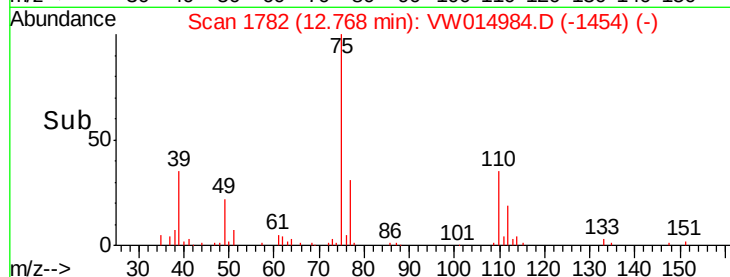
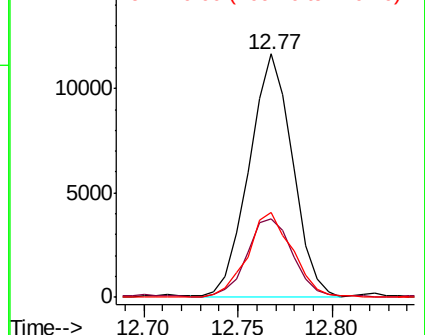
75 100

77 34.3 25.8 38.6

110 35.7 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VW
Ion 77.00 (76.70 to 77.70): VW
Ion 110.00 (109.70 to 110.70): V



#62

1,3,5-Trimethylbenzene

Concen: 1.594 ug/L

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW014984.D

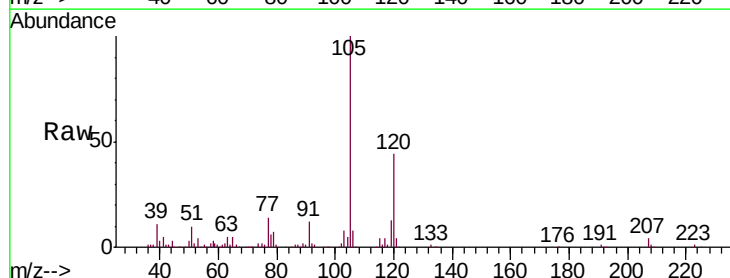
Acq: 13 Feb 2020 16:56

Tgt Ion: 105 Resp: 58442

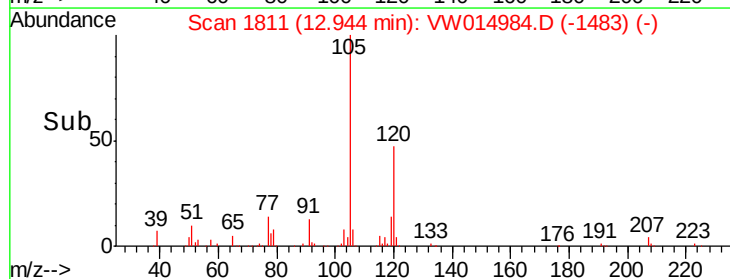
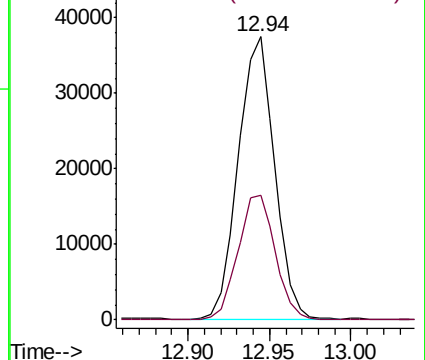
Ion Ratio Lower Upper

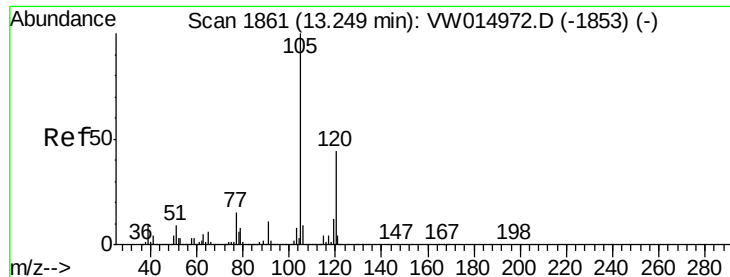
105 100

120 45.2 37.4 56.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

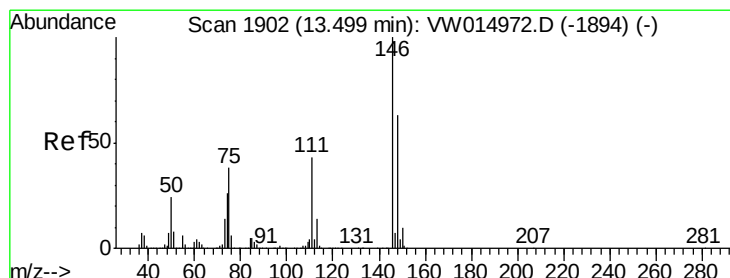
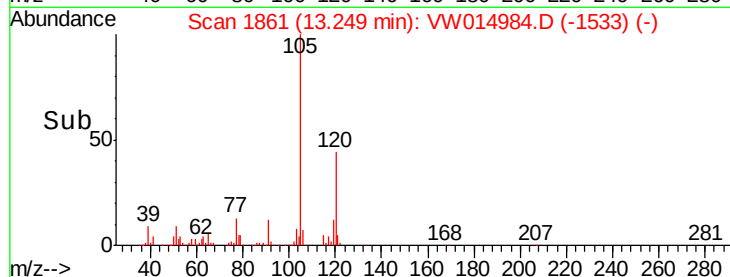
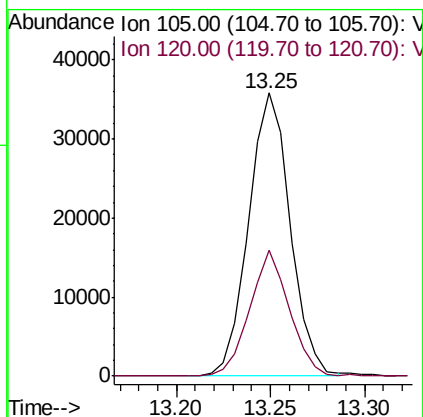
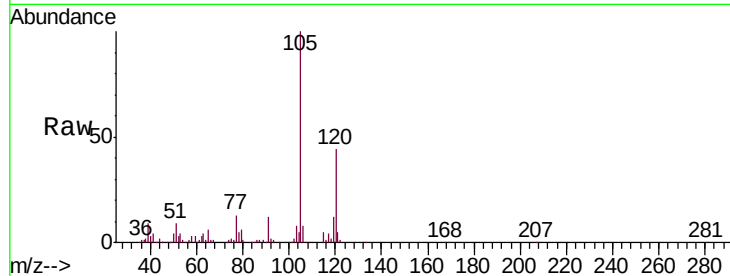




#63
 1,2,4-Trimethylbenzene
 Concen: 1.526 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014984.D
 Acq: 13 Feb 2020 16:56

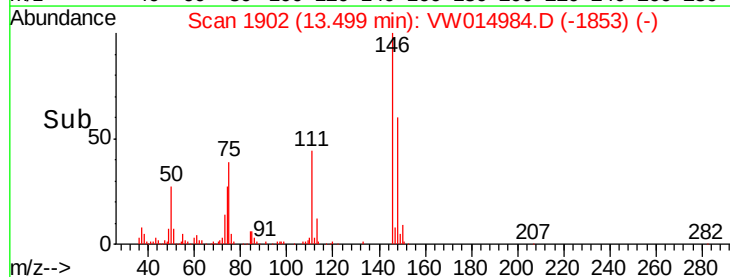
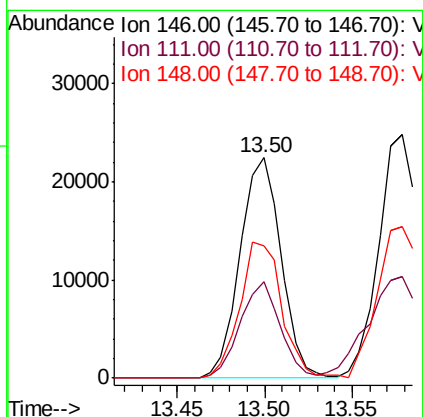
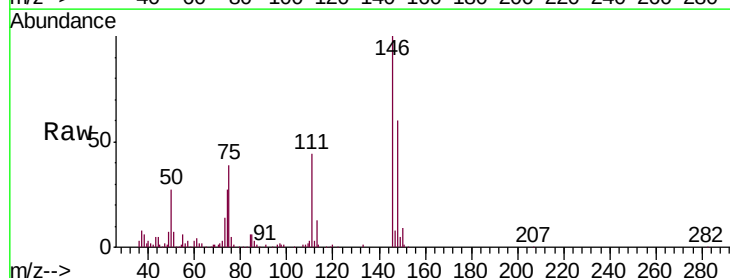
Instrument :
 MSVOA_W
 ClientSampled :
 MDL03

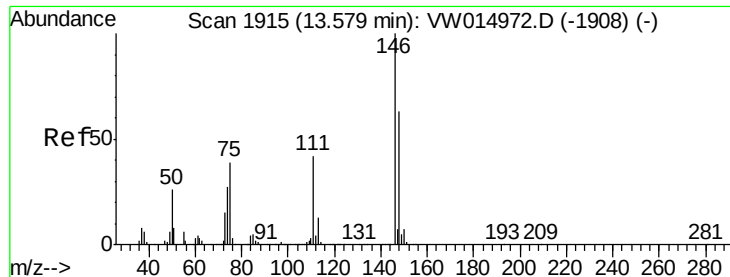
Tgt Ion:105 Resp: 54753
 Ion Ratio Lower Upper
 105 100
 120 42.5 35.0 52.4



#64
 1,3-Dichlorobenzene
 Concen: 1.938 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014984.D
 Acq: 13 Feb 2020 16:56

Tgt Ion:146 Resp: 36747
 Ion Ratio Lower Upper
 146 100
 111 44.1 30.2 56.0
 148 60.0 44.2 82.2

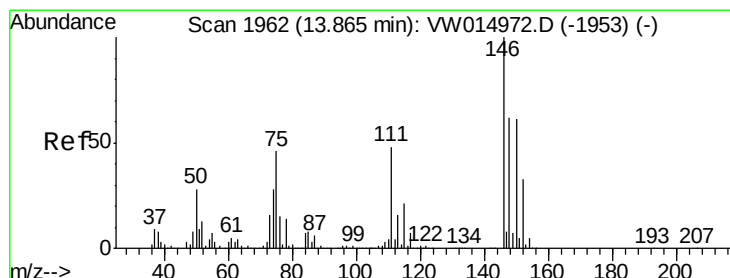
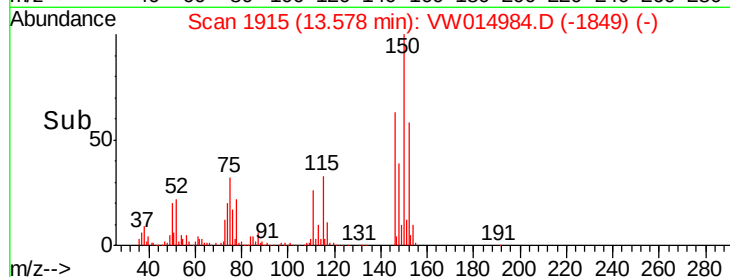
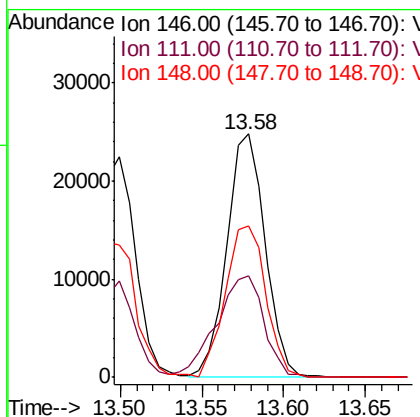
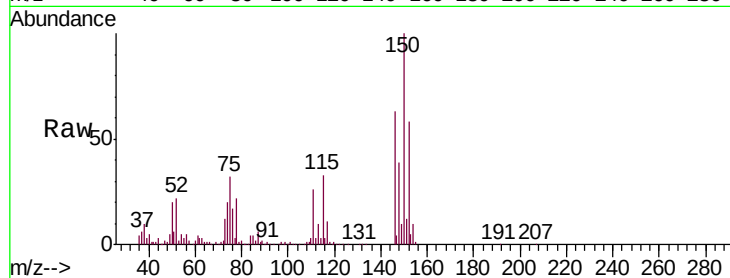




#65
 1,4-Dichlorobenzene
 Concen: 2.078 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014984.D
 Acq: 13 Feb 2020 16:56

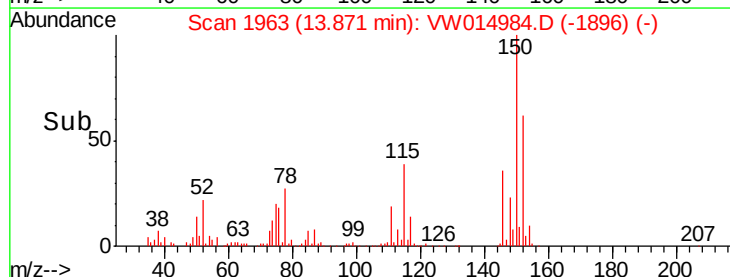
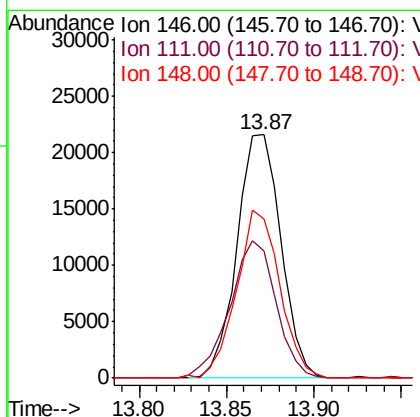
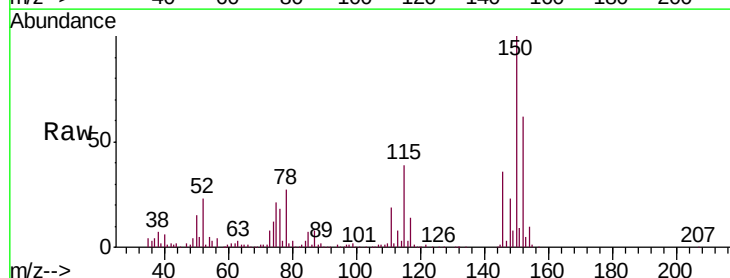
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL03

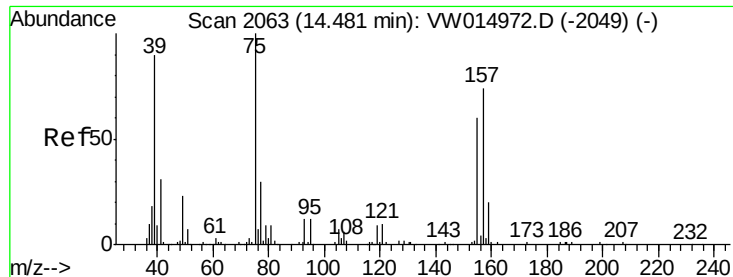
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	29.5	54.9
148	62.3	43.8	81.3



#67
 1,2-Dichlorobenzene
 Concen: 2.153 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW014984.D
 Acq: 13 Feb 2020 16:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.3	38.0	57.0
148	65.3	49.5	74.3

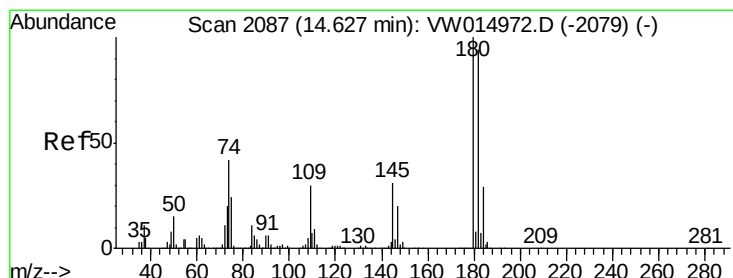
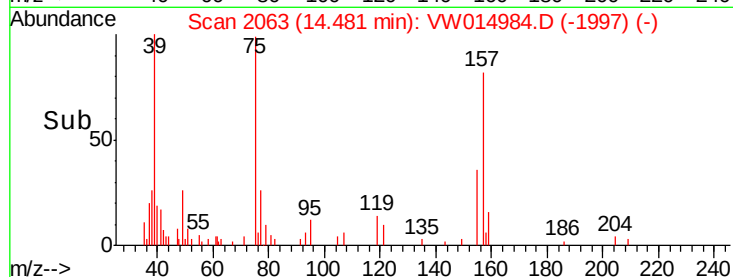
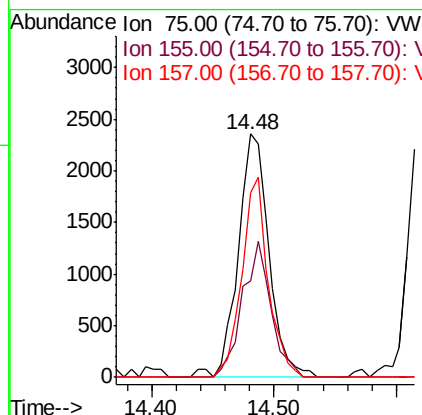
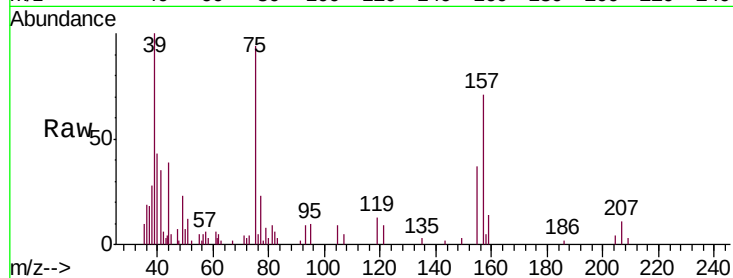




#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.273 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014984.D
 Acq: 13 Feb 2020 16:56

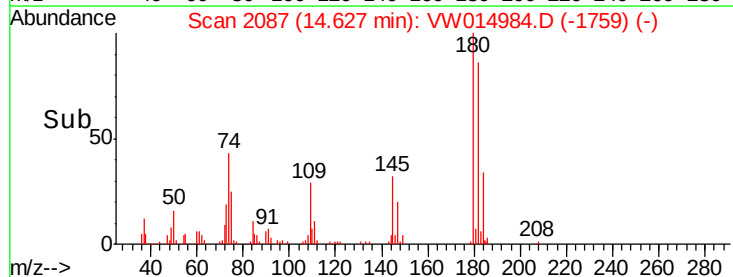
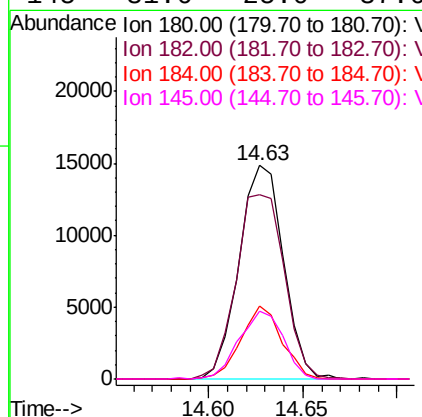
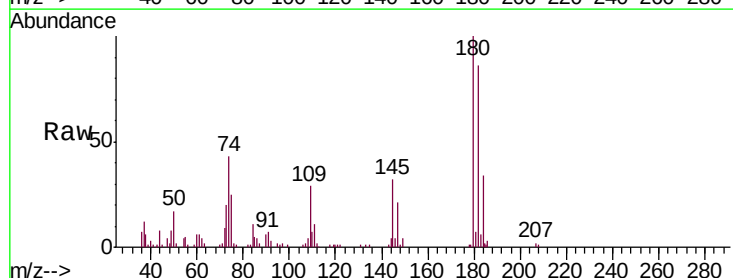
Instrument :
 MSVOA_W
 ClientSampled :
 MDL03

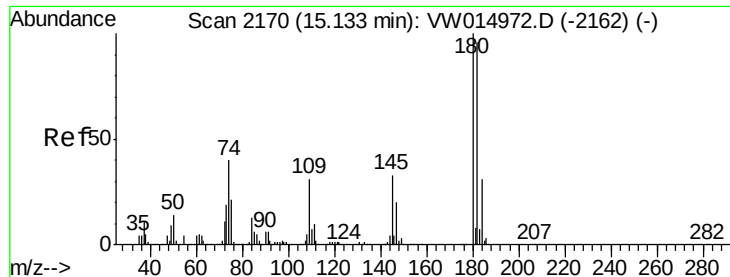
Tgt Ion: 75 Resp: 4092
 Ion Ratio Lower Upper
 75 100
 155 39.8 48.0 72.0#
 157 76.1 59.4 89.0



#69
 1,3,5-Trichlorobenzene
 Concen: 1.909 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014984.D
 Acq: 13 Feb 2020 16:56

Tgt Ion: 180 Resp: 24253
 Ion Ratio Lower Upper
 180 100
 182 94.1 76.5 114.7
 184 31.6 24.2 36.2
 145 31.6 25.0 37.6

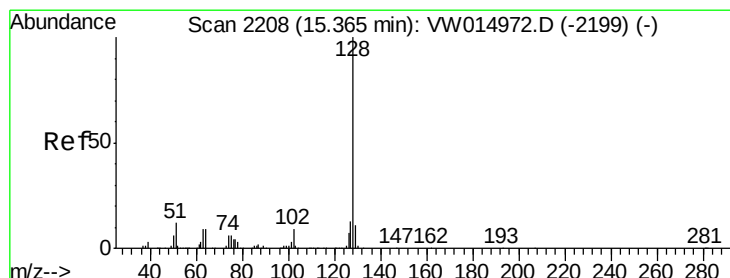
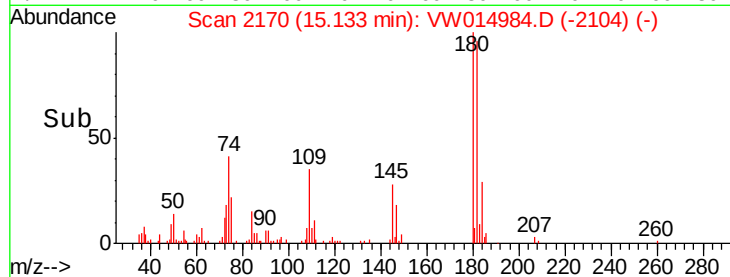
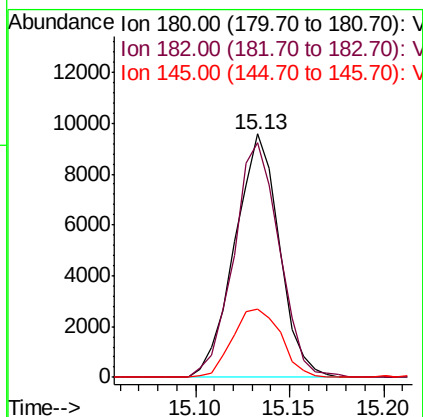
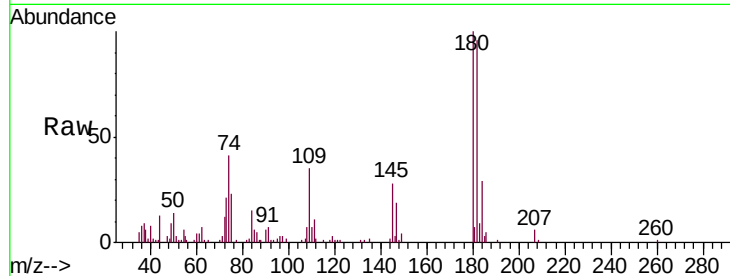




#70
1,2,4-trichlorobenzene
Concen: 1.647 ug/L
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW014984.D
Acq: 13 Feb 2020 16:56

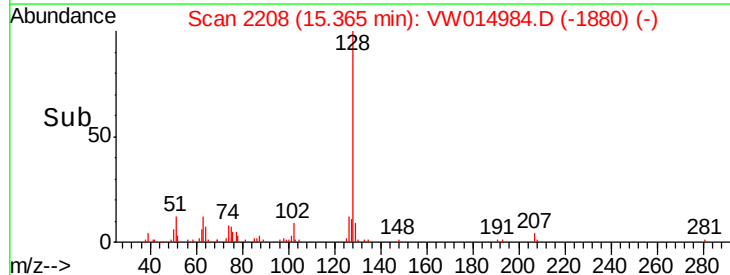
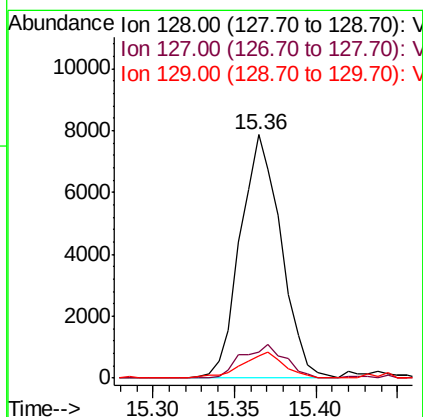
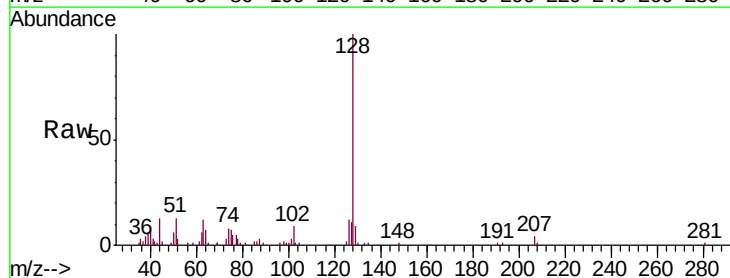
Instrument :
MSVOA_W
ClientSampleId :
MDL03

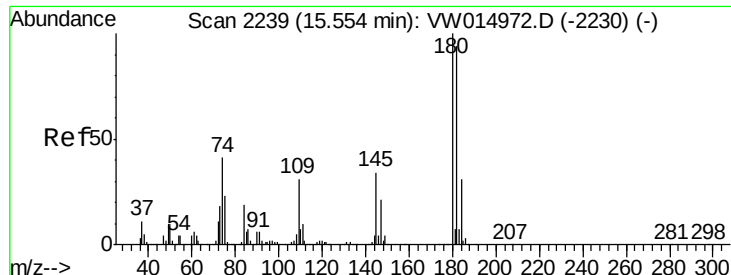
Tgt Ion:180 Resp: 15681
Ion Ratio Lower Upper
180 100
182 98.7 76.2 114.4
145 30.8 26.2 39.4



#71
Naphthalene
Concen: 1.400 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014984.D
Acq: 13 Feb 2020 16:56

Tgt Ion:128 Resp: 13689
Ion Ratio Lower Upper
128 100
127 9.7 10.5 15.7#
129 10.7 8.6 12.8

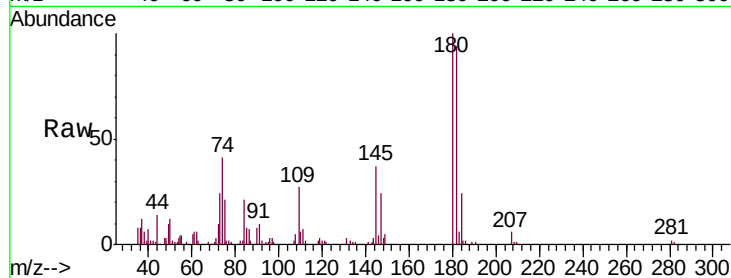




#72
 1,2,3-Trichlorobenzene
 Concen: 1.744 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW014984.D
 Acq: 13 Feb 2020 16:56

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.3	75.2	112.8
145	36.2	27.0	40.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

