

Data File : VW014995.D
Acq On : 14 Feb 2020 14:10
Operator : SY/VA
Sample : MDL05
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL05

Quant Time: Feb 15 02:03:24 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	702151	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	664958	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	270669	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	352712	24.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.76%
7) Chloroethane-d5	2.89	69	266932	24.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.08%
11) 1,1-Dichloroethene-d2	4.02	63	478313	18.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.40%
21) 2-Butanone-d5	7.07	46	213516	54.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.36%
24) Chloroform-d	7.65	84	557445	24.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.88%
26) 1,2-Dichloroethane-d4	8.30	65	351991	26.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.40%
32) Benzene-d6	8.27	84	1132289	25.27	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.08%
36) 1,2-Dichloropropane-d6	9.27	67	389999	25.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.24%
41) Toluene-d8	10.32	98	963565	25.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.96%
43) trans-1,3-Dichloropropene-	10.57	79	145834	24.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.64%
47) 2-Hexanone-d5	10.92	63	147678	53.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.76%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	297343	25.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.44%
66) 1,2-Dichlorobenzene-d4	13.85	152	267972	26.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.24%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	12985	1.862 ug/L	99
3) Chloromethane	2.21	50	27487	2.095 ug/L	99
5) Vinyl chloride	2.36	62	36655	2.171 ug/L #	72
6) Bromomethane	2.78	94	15289	1.996 ug/L	100
8) Chloroethane	2.92	64	18611	2.060 ug/L	95
9) Trichlorofluoromethane	3.26	101	11329	1.699 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	15002	1.375 ug/L #	84
12) 1,1-Dichloroethene	4.04	96	23397	2.236 ug/L #	1
13) Acetone	4.12	43	20116	4.889 ug/L	69
14) Carbon disulfide	4.38	76	72407	1.914 ug/L	98
15) Methyl Acetate	4.67	43	15060	2.110 ug/L #	87
16) Methylene chloride	4.92	84	54317	4.187 ug/L	98
17) trans-1,2-Dichloroethene	5.42	96	20367	1.929 ug/L	97
18) Methyl tert-butyl Ether	5.42	73	25397	1.949 ug/L #	76
19) 1,1-Dichloroethane	6.21	63	47547	2.016 ug/L	99
20) cis-1,2-Dichloroethene	7.16	96	21317	1.959 ug/L	98
22) 2-Butanone	7.18	43	18801	3.801 ug/L	96

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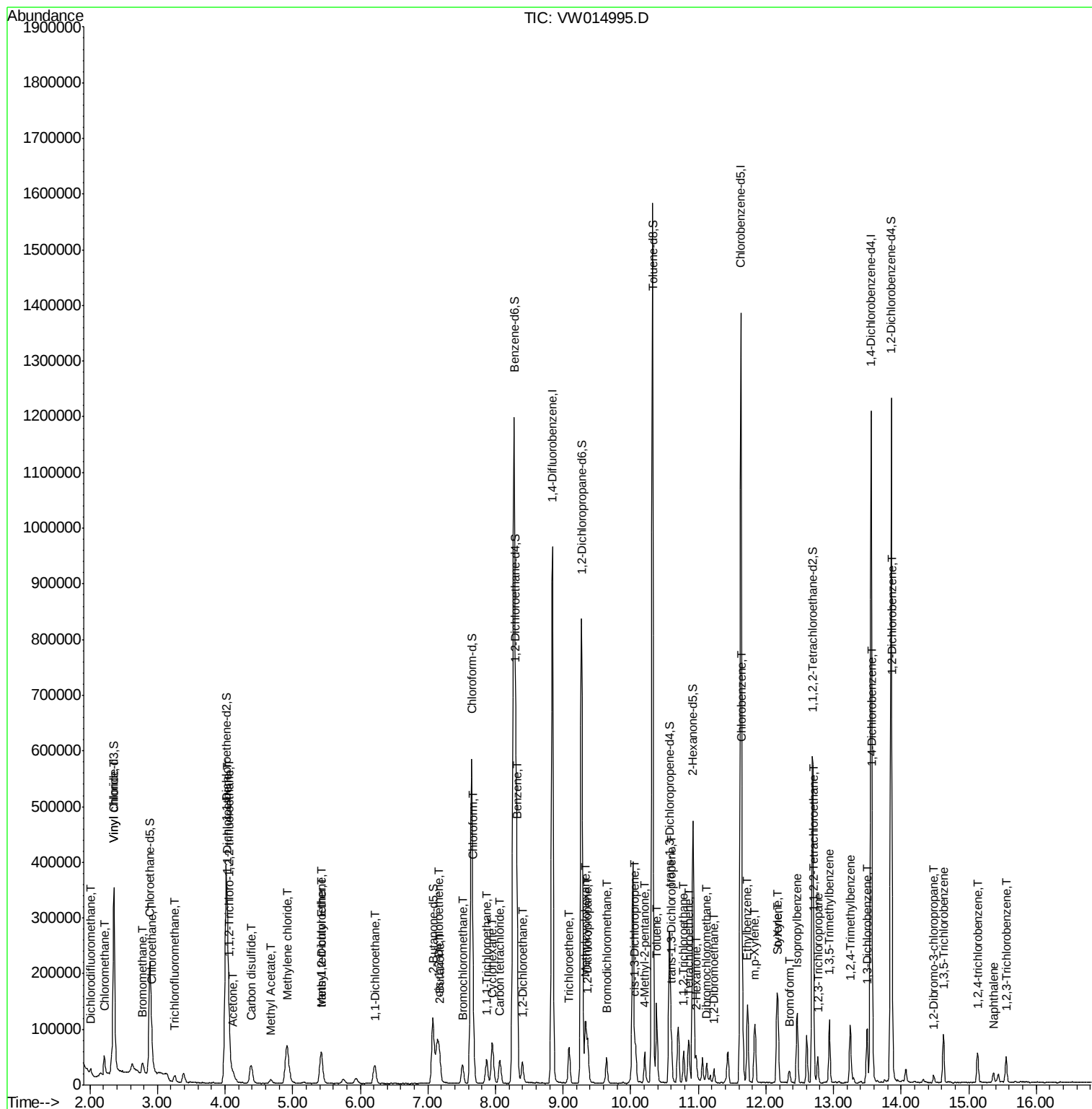
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	9355	2.119	ug/L	94
25) Chloroform	7.67	83	47203	2.246	ug/L	100
27) 1,2-Dichloroethane	8.40	62	33166	2.148	ug/L	97
29) Cyclohexane	7.96	56	34209	1.578	ug/L	99
30) 1,1,1-Trichloroethane	7.87	97	31633	1.956	ug/L	96
31) Carbon tetrachloride	8.07	117	28577	1.960	ug/L	100
33) Benzene	8.32	78	98329	2.014	ug/L	100
34) Trichloroethene	9.09	95	22358	1.912	ug/L	94
35) Methylcyclohexane	9.34	83	34336	1.703	ug/L	94
37) 1,2-Dichloropropane	9.37	63	27085	1.986	ug/L #	95
38) Bromodichloromethane	9.65	83	30735	2.002	ug/L	94
39) cis-1,3-Dichloropropene	10.07	75	35454	1.943	ug/L	92
40) 4-Methyl-2-pentanone	10.21	43	37378	3.850	ug/L	99
42) Toluene	10.38	91	95606	2.027	ug/L	99
44) trans-1,3-Dichloropropene	10.60	75	35615	2.353	ug/L	97
45) 1,1,2-Trichloroethane	10.79	97	17392	2.103	ug/L	95
46) Tetrachloroethene	10.86	164	14984	1.973	ug/L	98
48) 2-Hexanone	10.97	43	28418	4.018	ug/L	97
49) Dibromochloromethane	11.13	129	16992	1.972	ug/L	100
50) 1,2-Dibromoethane	11.23	107	15418	2.068	ug/L #	98
51) Chlorobenzene	11.65	112	55032	1.978	ug/L	91
52) Ethylbenzene	11.72	91	91241	1.776	ug/L	97
53) m,p-Xylene	11.84	106	31472	1.746	ug/L	89
54) o-Xylene	12.16	106	27164	1.604	ug/L	99
55) Styrene	12.18	104	45265	1.551	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.71	83	23995	2.168	ug/L #	89
59) Bromoform	12.35	173	8723	2.108	ug/L	98
60) Isopropylbenzene	12.46	105	70267	1.658	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	17950	2.263	ug/L	98
62) 1,3,5-Trimethylbenzene	12.94	105	53118	1.572	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	50198	1.519	ug/L	100
64) 1,3-Dichlorobenzene	13.50	146	34756	1.990	ug/L	99
65) 1,4-Dichlorobenzene	13.58	146	37484	2.082	ug/L	98
67) 1,2-Dichlorobenzene	13.87	146	35005	2.166	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.48	75	3932	2.370	ug/L	92
69) 1,3,5-Trichlorobenzene	14.63	180	22509	1.923	ug/L	97
70) 1,2,4-trichlorobenzene	15.13	180	14722	1.678	ug/L	97
71) Naphthalene	15.36	128	12995	1.442	ug/L #	95
72) 1,2,3-Trichlorobenzene	15.55	180	13739	1.690	ug/L	96

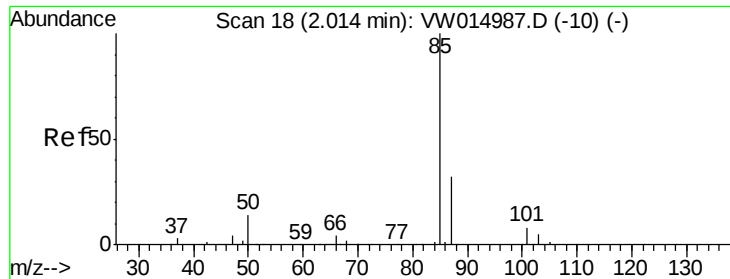
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.862 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

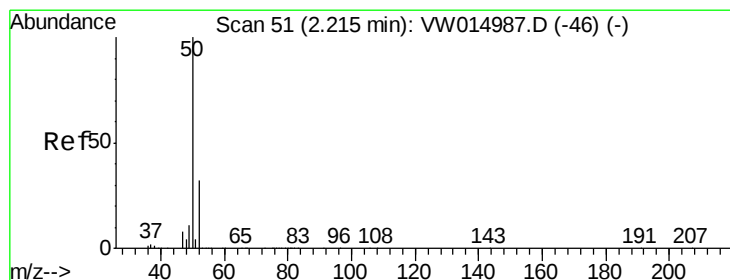
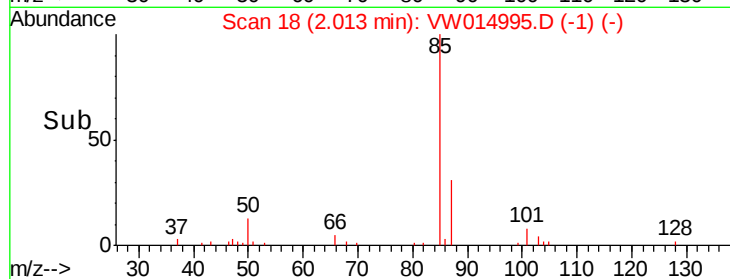
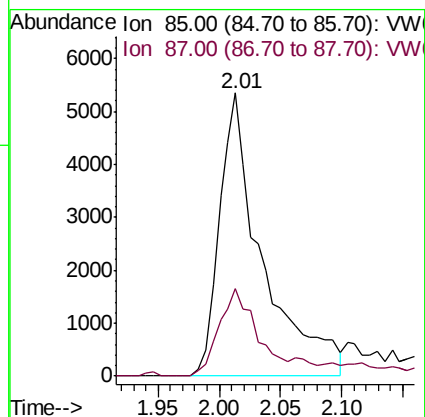
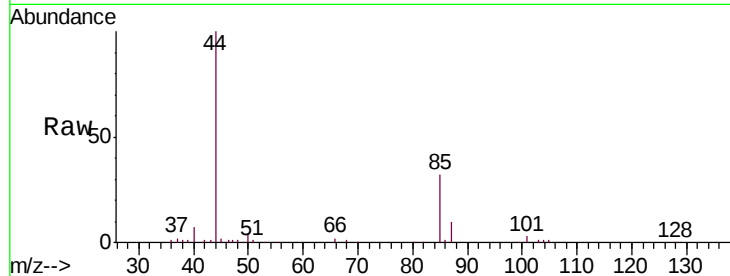
MDL05

Tgt Ion: 85 Resp: 12985

Ion Ratio Lower Upper

85 100

87 27.6 21.5 32.3



#3

Chloromethane

Concen: 2.095 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014995.D

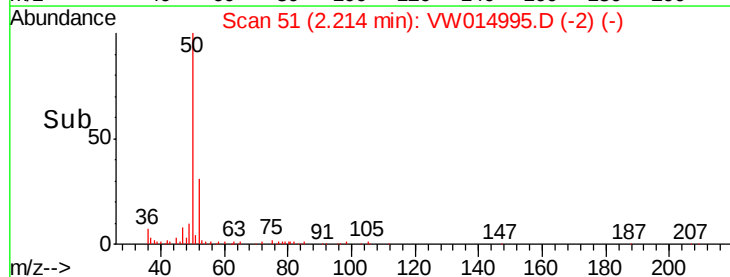
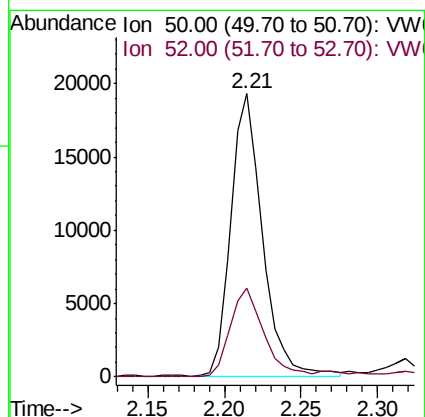
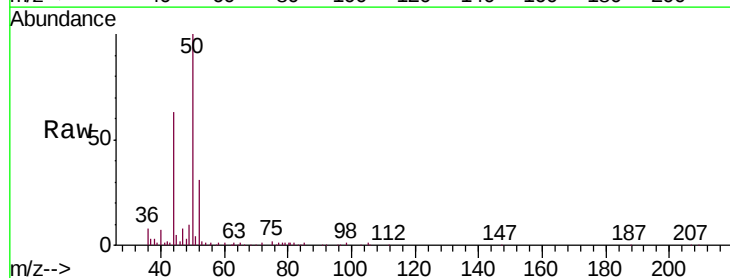
Acq: 14 Feb 2020 14:10

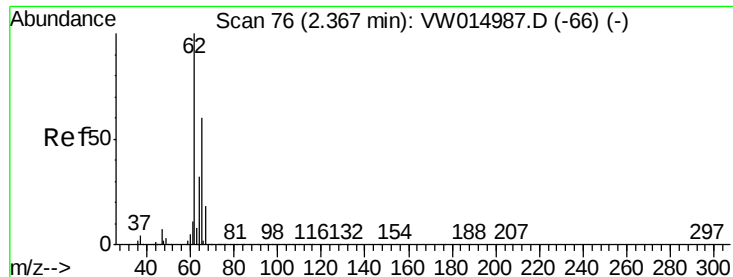
Tgt Ion: 50 Resp: 27487

Ion Ratio Lower Upper

50 100

52 31.3 22.3 41.3





#5

Vinyl chloride

Concen: 2.171 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

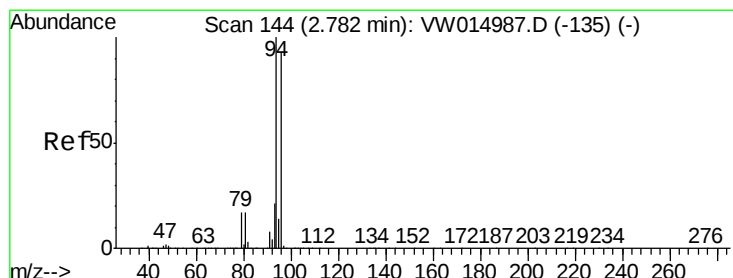
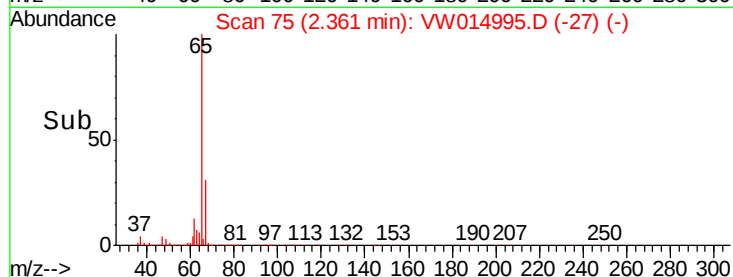
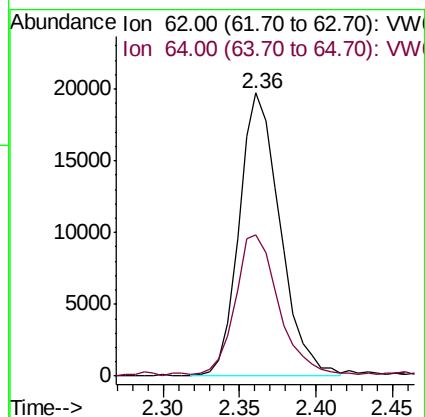
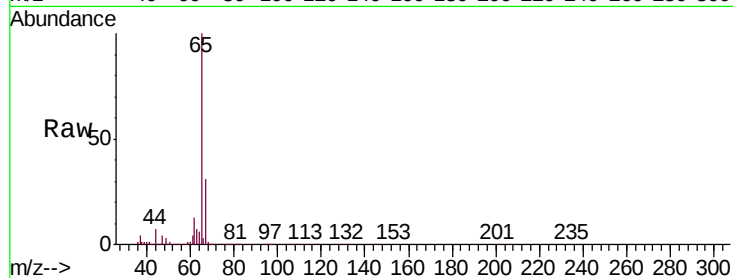
MDL05

Tgt Ion: 62 Resp: 36655

Ion Ratio Lower Upper

62 100

64 49.9 23.6 43.8#



#6

Bromomethane

Concen: 1.996 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014995.D

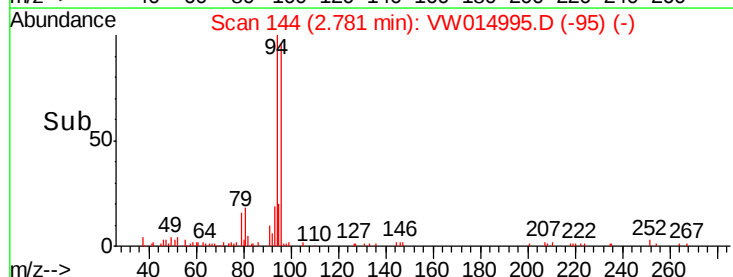
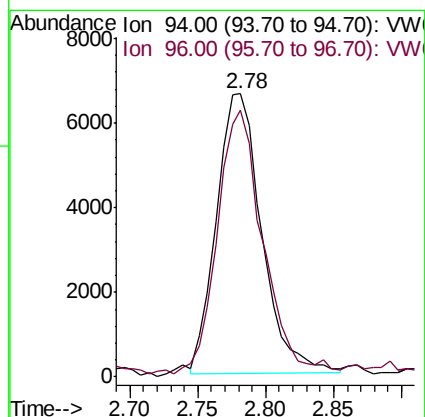
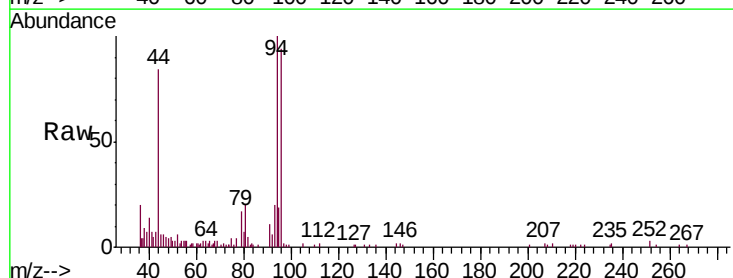
Acq: 14 Feb 2020 14:10

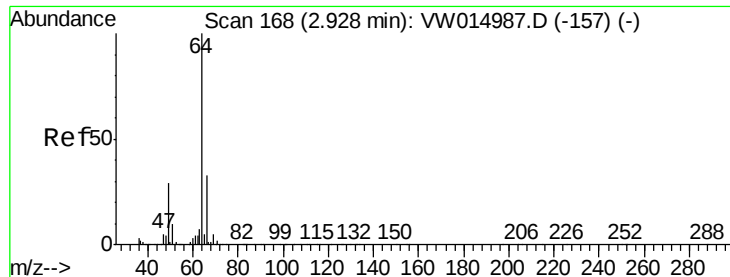
Tgt Ion: 94 Resp: 15289

Ion Ratio Lower Upper

94 100

96 94.3 65.8 122.2





#8

Chloroethane

Concen: 2.060 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

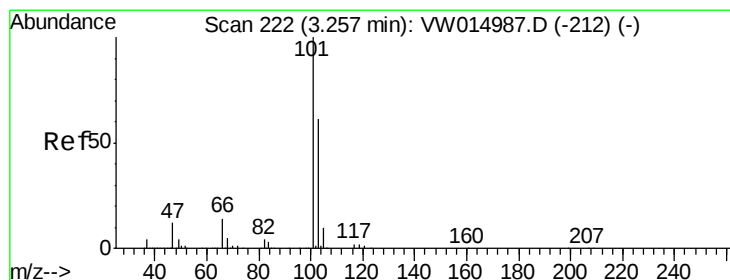
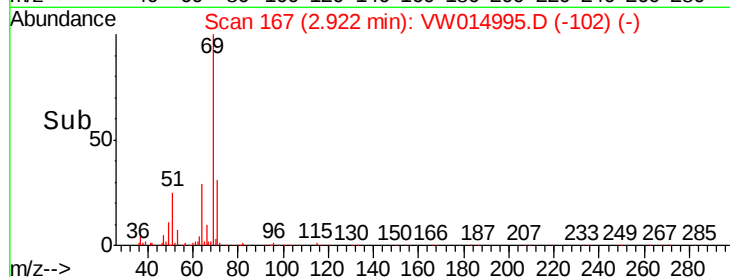
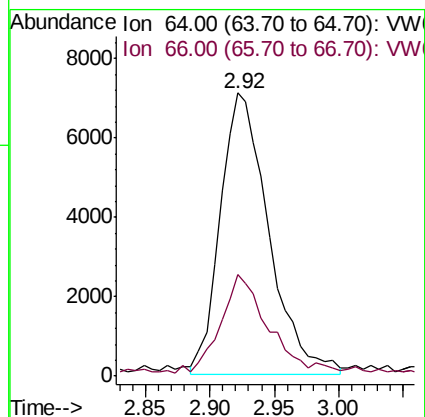
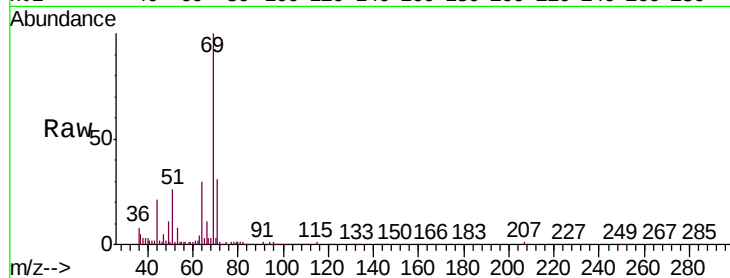
MDL05

Tgt Ion: 64 Resp: 18611

Ion Ratio Lower Upper

64 100

66 35.8 23.1 42.9



#9

Trichlorofluoromethane

Concen: 1.699 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW014995.D

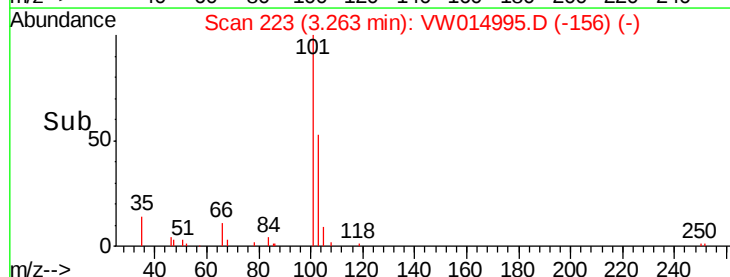
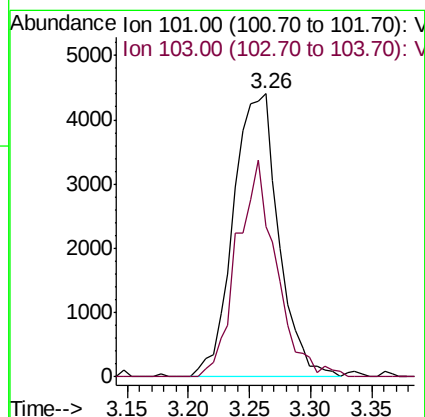
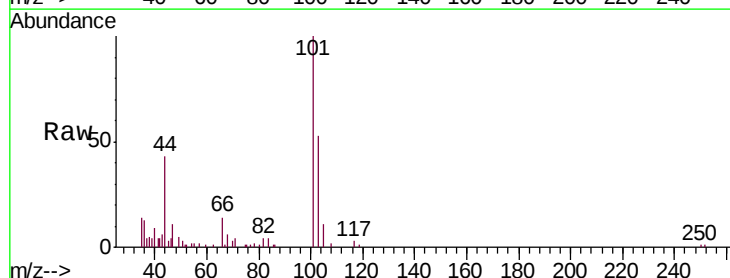
Acq: 14 Feb 2020 14:10

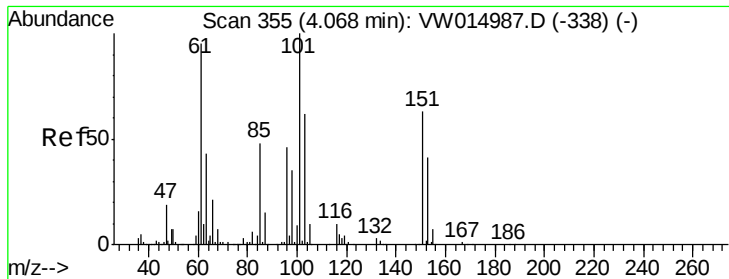
Tgt Ion: 101 Resp: 11329

Ion Ratio Lower Upper

101 100

103 64.0 51.5 77.3





#10

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

Concen: 1.375 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Instrument :

MSVOA_W

ClientSampled :

MDL05

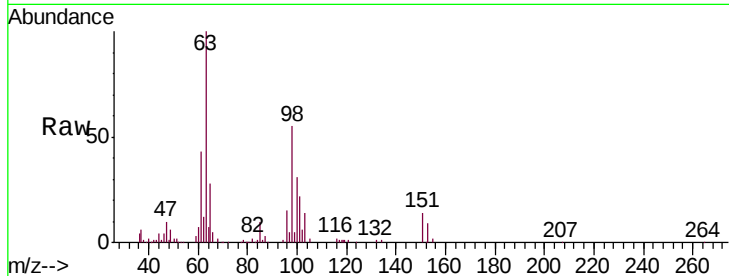
Tgt Ion:101 Resp: 15002

Ion Ratio Lower Upper

101 100

85 47.4 36.5 54.7

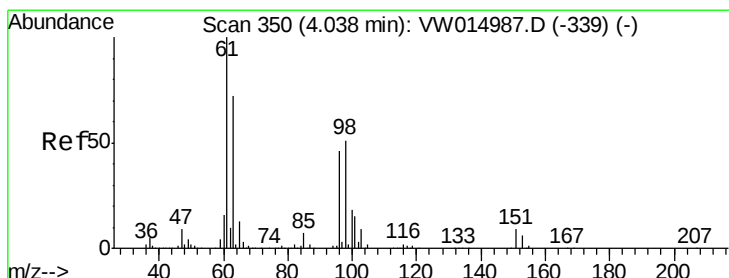
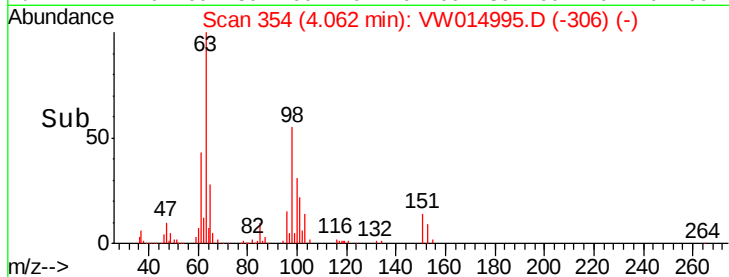
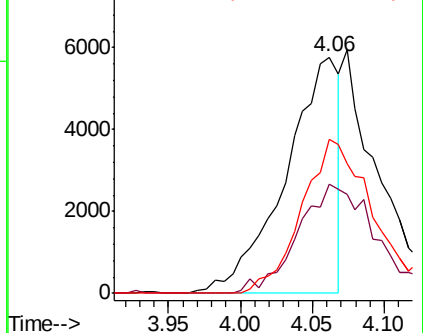
151 83.1 50.2 75.4#



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: 2.236 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW014995.D

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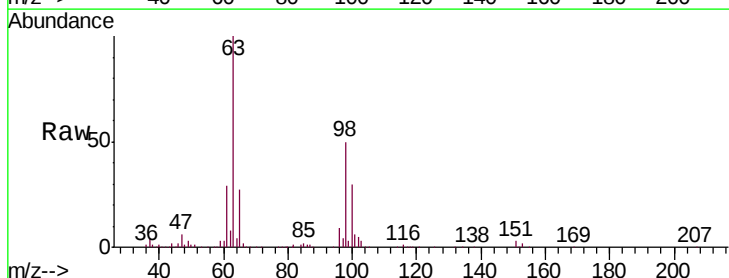
Tgt Ion: 96 Resp: 23397

Ion Ratio Lower Upper

96 100

61 310.7 147.0 273.0#

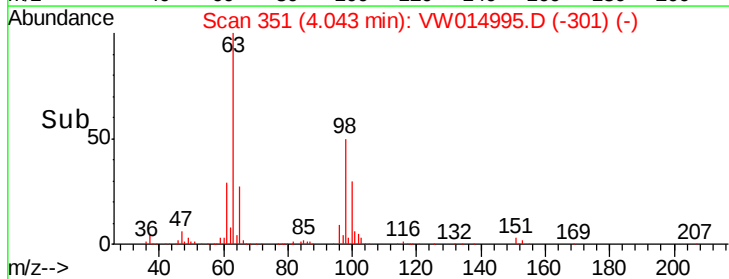
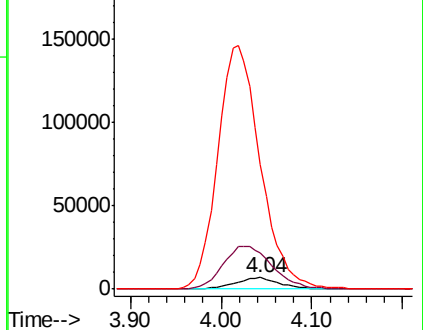
63 1081.0 113.4 210.6#

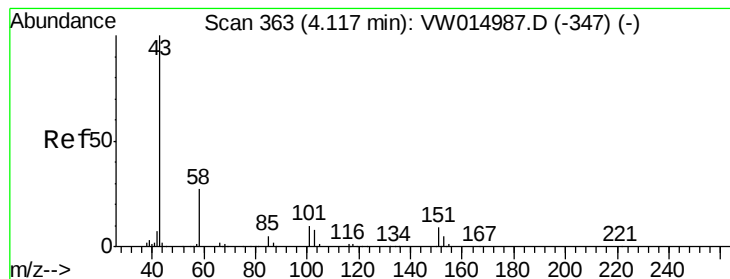


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 4.889 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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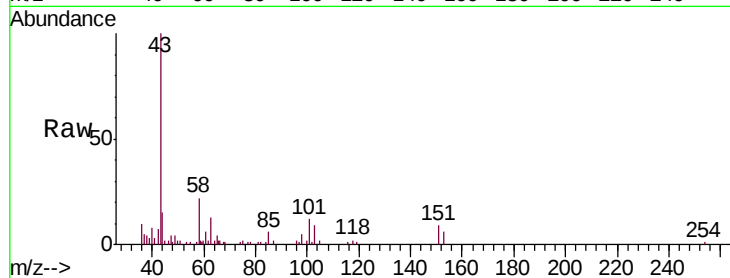
MDL05

Tgt Ion: 43 Resp: 20116

Ion Ratio Lower Upper

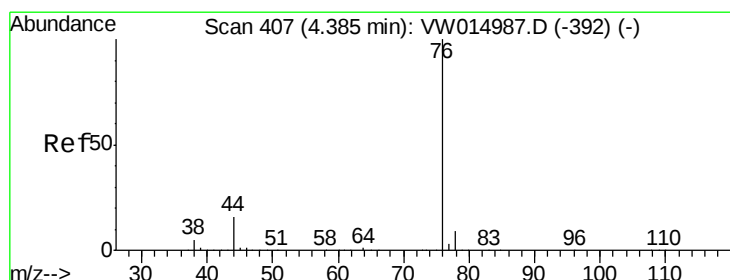
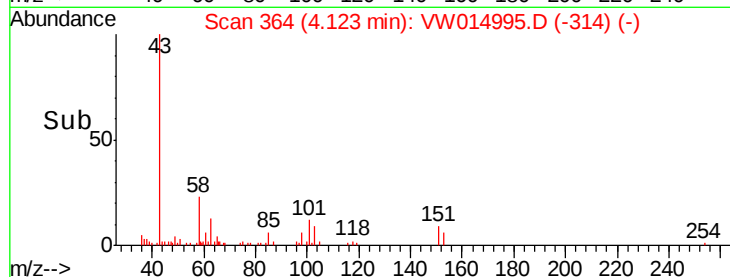
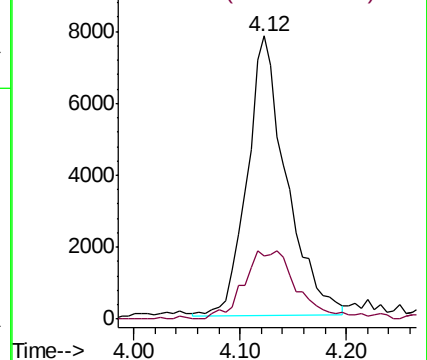
43 100

58 11.2 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: 1.914 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

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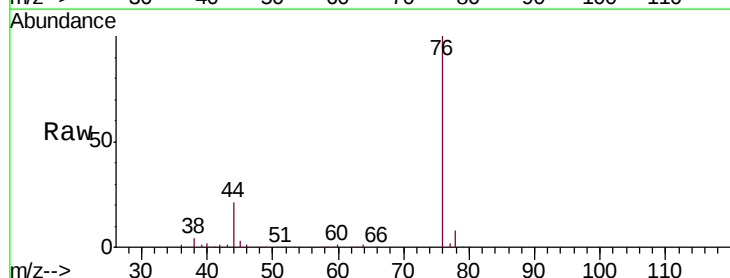
Acq: 14 Feb 2020 14:10

Tgt Ion: 76 Resp: 72407

Ion Ratio Lower Upper

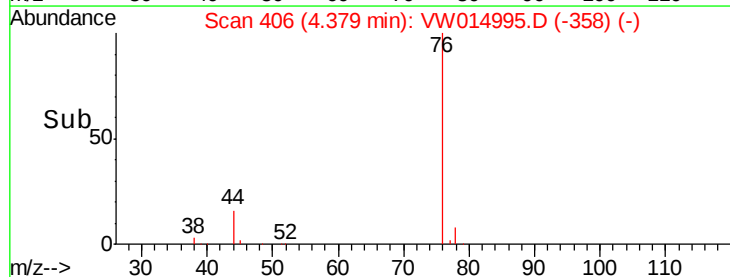
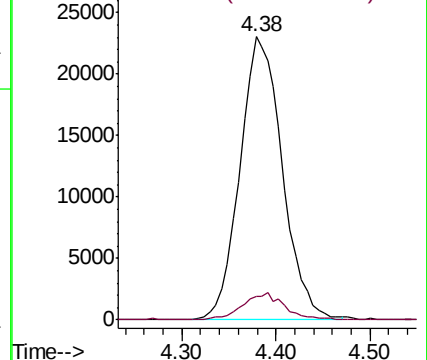
76 100

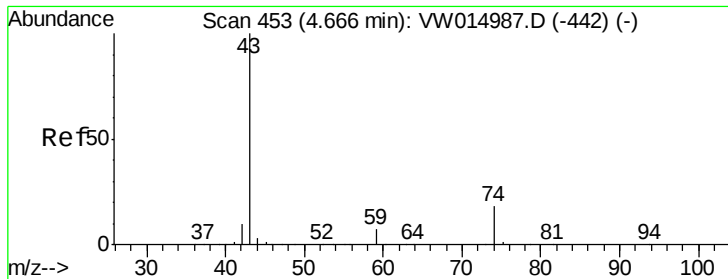
78 8.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

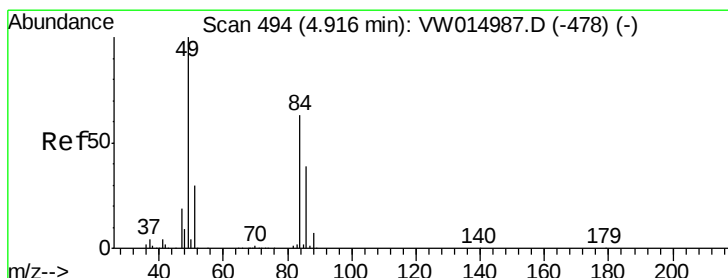
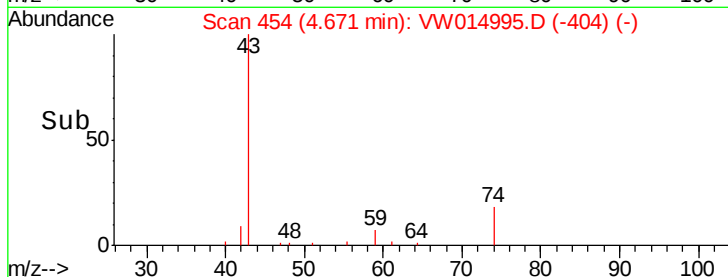
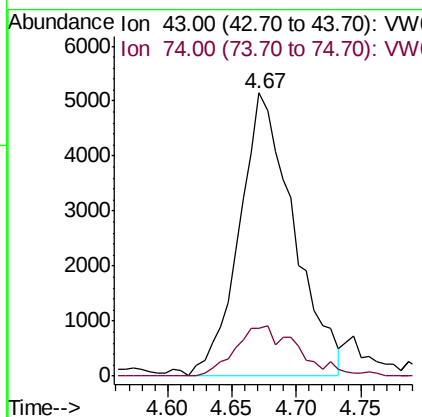
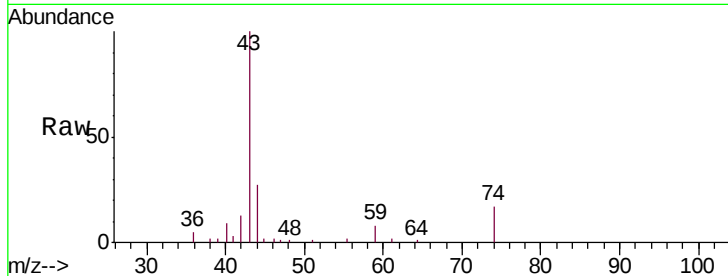




#15
Methyl Acetate
Concen: 2.110 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

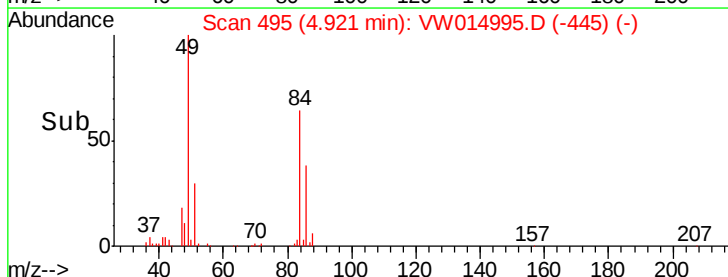
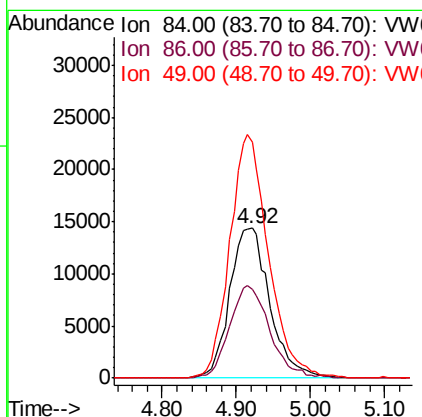
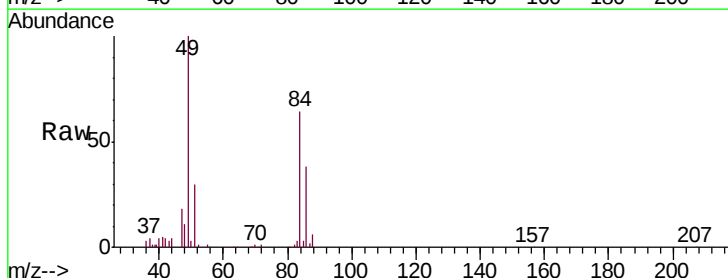
Instrument :
MSVOA_W
ClientSampleId :
MDL05

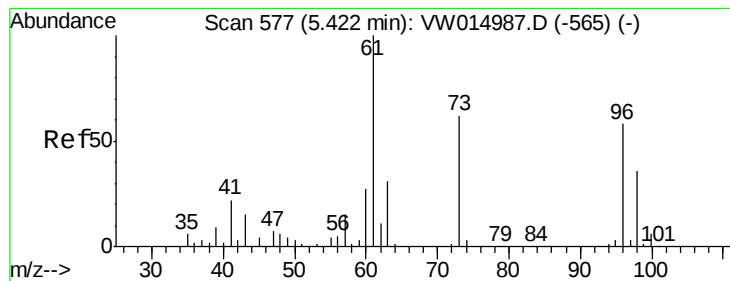
Tgt Ion: 43 Resp: 15060
Ion Ratio Lower Upper
43 100
74 12.6 14.6 21.8#



#16
Methylene chloride
Concen: 4.187 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Tgt Ion: 84 Resp: 54317
Ion Ratio Lower Upper
84 100
86 59.4 44.4 82.4
49 157.3 109.0 202.4





#17

trans-1,2-Dichloroethene

Concen: 1.929 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

MDL05

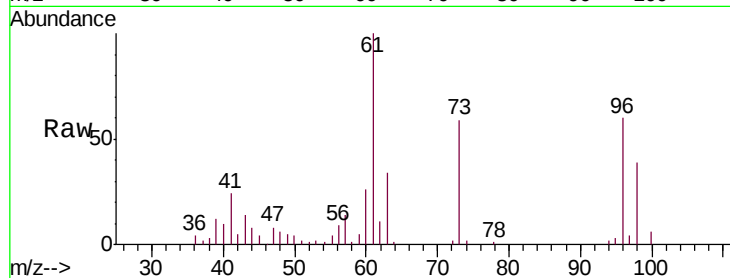
Tgt Ion: 96 Resp: 20367

Ion Ratio Lower Upper

96 100

61 167.8 120.1 223.1

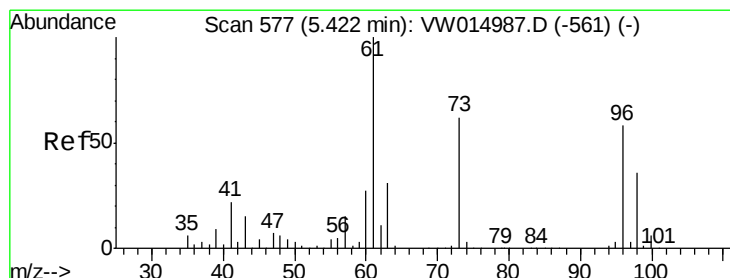
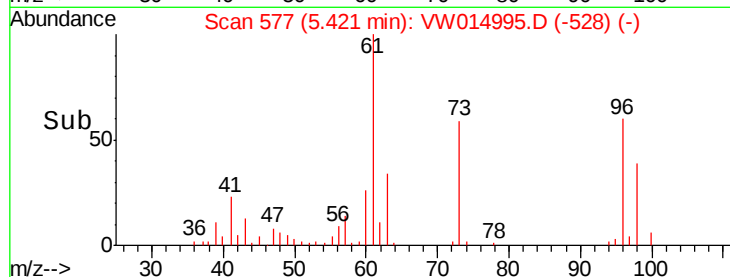
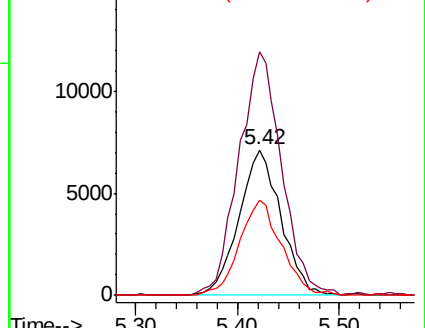
98 65.8 43.8 81.3



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: 1.949 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

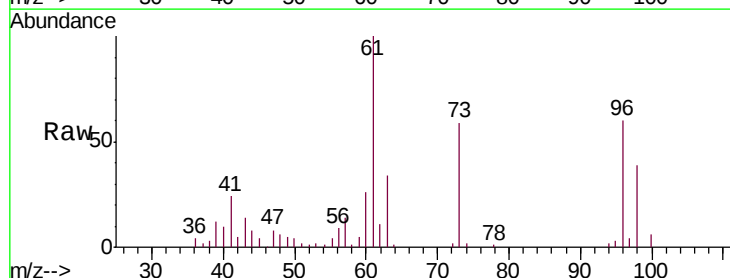
Tgt Ion: 73 Resp: 25397

Ion Ratio Lower Upper

73 100

43 11.9 19.6 29.4#

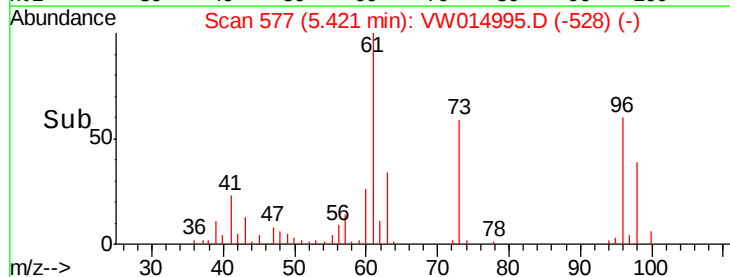
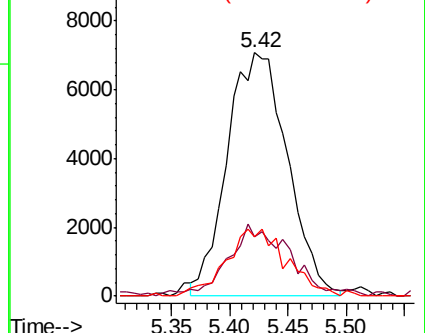
57 14.1 21.0 31.4#

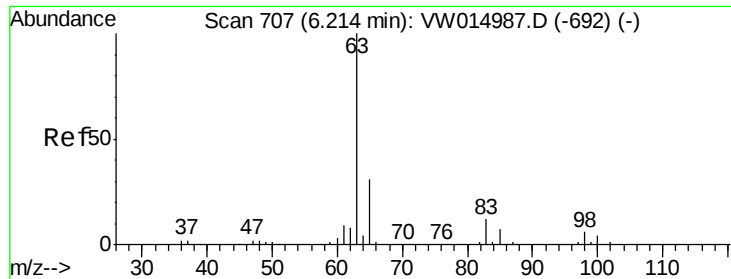


Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW

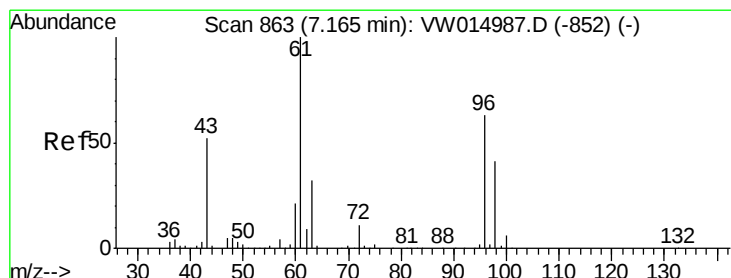
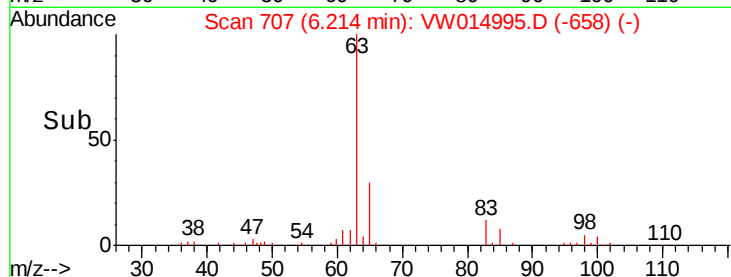
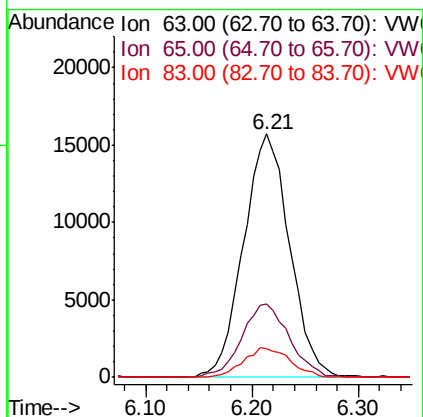
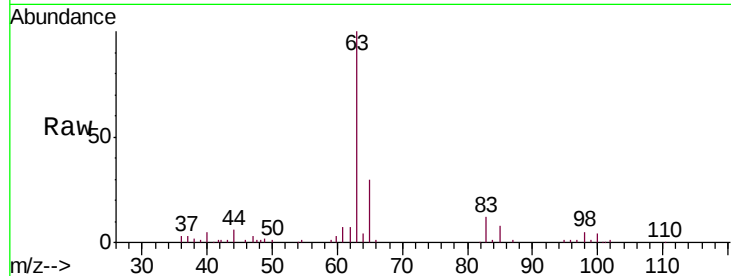




#19
 1,1-Dichloroethane
 Concen: 2.016 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

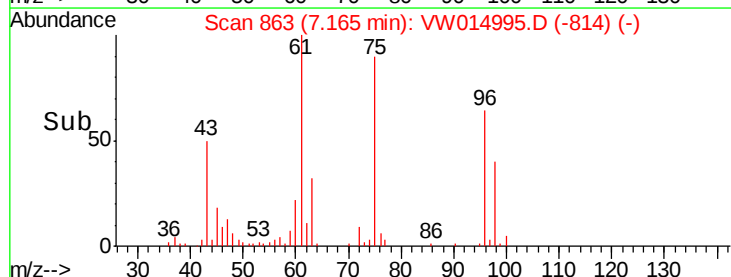
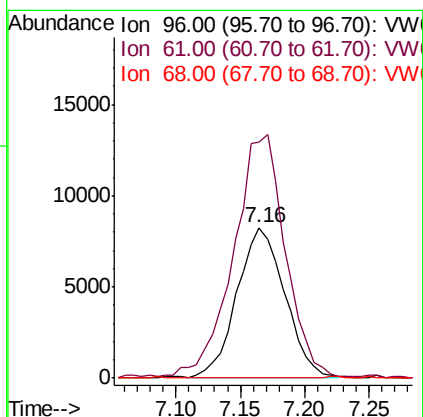
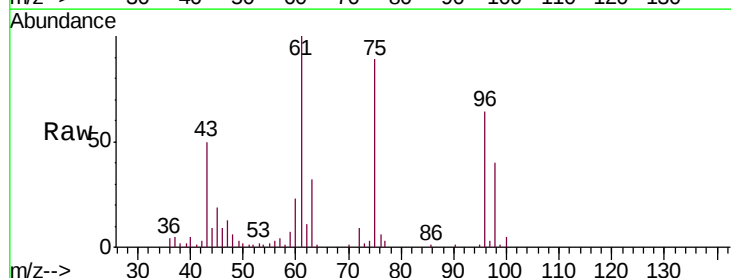
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL05

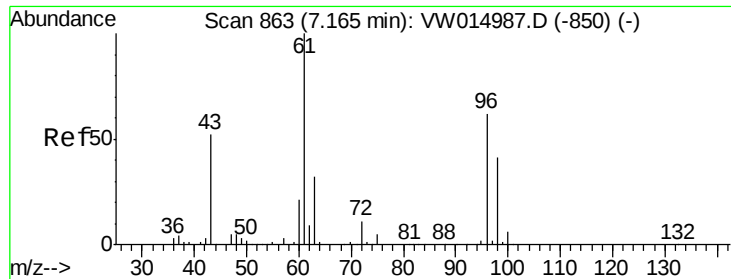
Tgt Ion: 63 Resp: 47547
 Ion Ratio Lower Upper
 63 100
 65 30.1 20.9 38.7
 83 11.7 7.8 14.6



#20
 cis-1,2-Dichloroethene
 Concen: 1.959 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Tgt Ion: 96 Resp: 21317
 Ion Ratio Lower Upper
 96 100
 61 156.9 111.5 207.1
 68 0.0 0.0 0.0

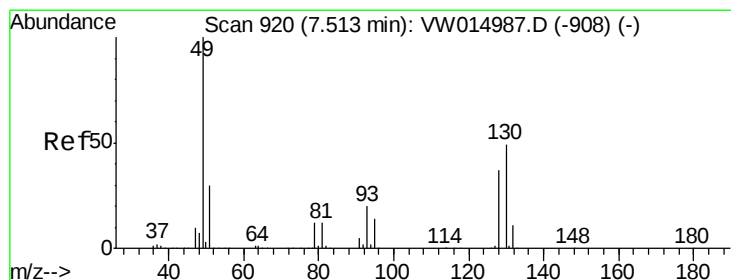
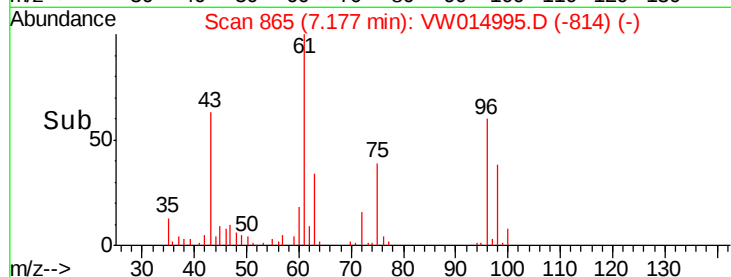
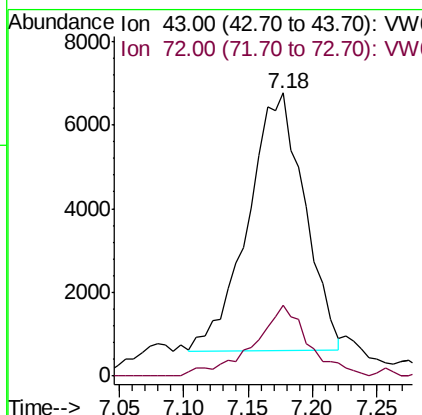
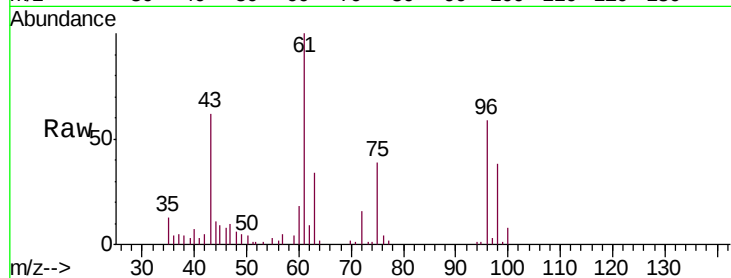




#22
 2-Butanone
 Concen: 3.801 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

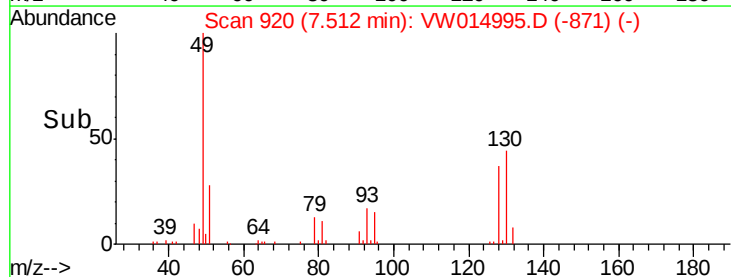
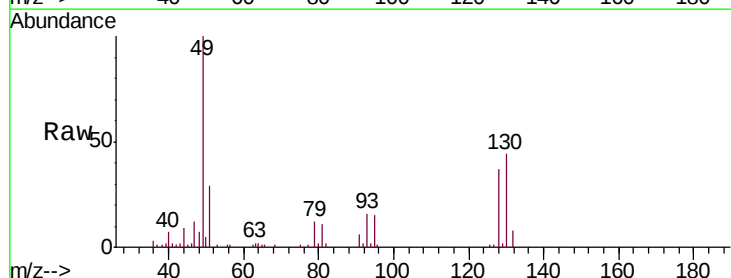
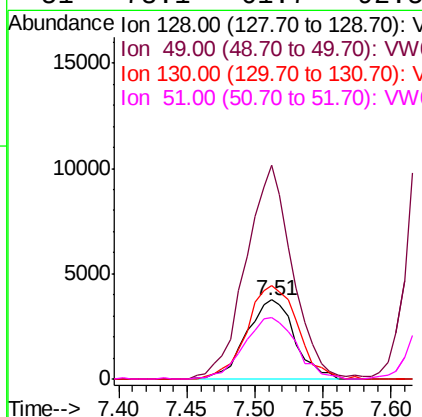
Instrument :
 MSVOA_W
 ClientSampled :
 MDL05

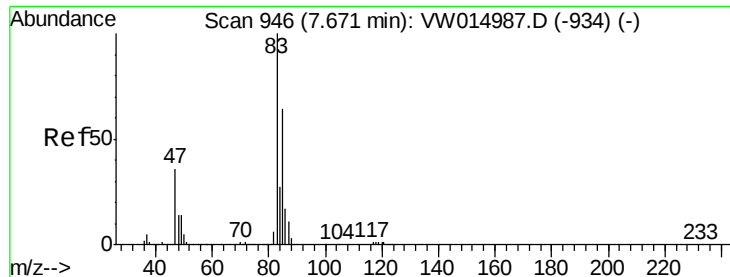
Tgt Ion: 43 Resp: 18801
 Ion Ratio Lower Upper
 43 100
 72 20.0 11.1 33.1



#23
 Bromochloromethane
 Concen: 2.119 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Tgt Ion: 128 Resp: 9355
 Ion Ratio Lower Upper
 128 100
 49 270.5 179.0 332.4
 130 118.5 85.5 158.7
 51 78.1 61.7 92.5

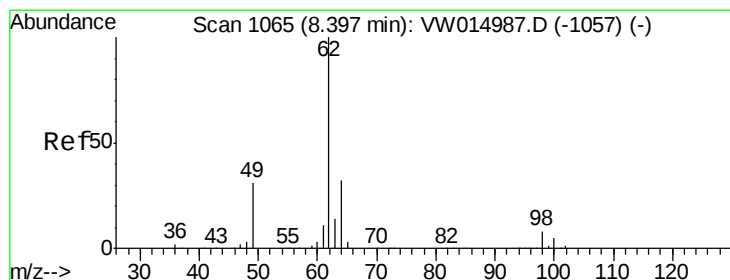
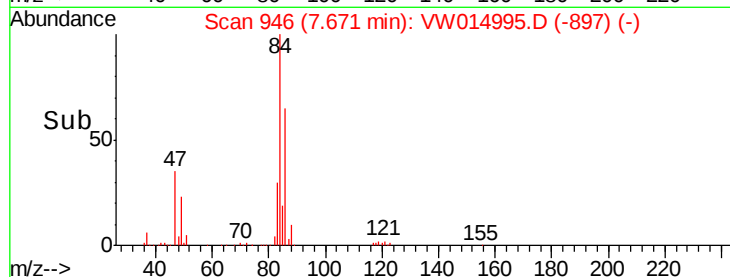
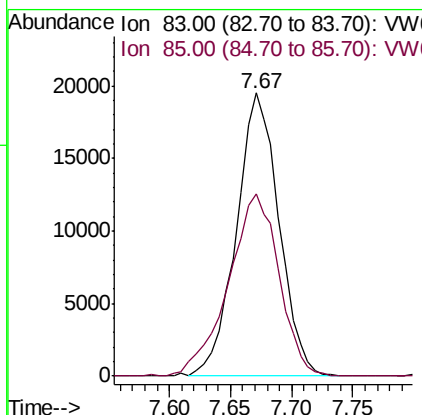
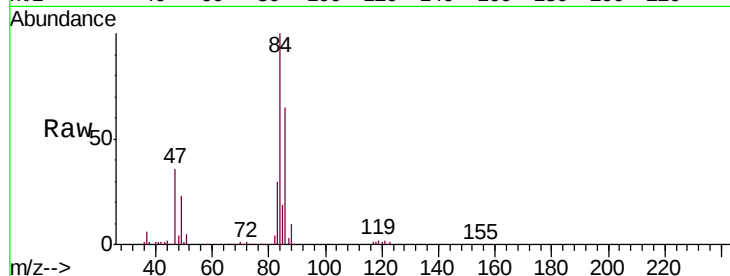




#25
Chloroform
Concen: 2.246 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

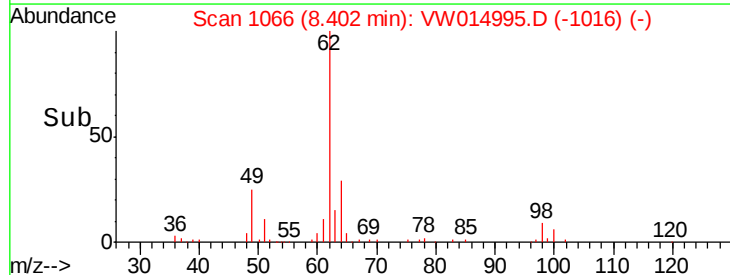
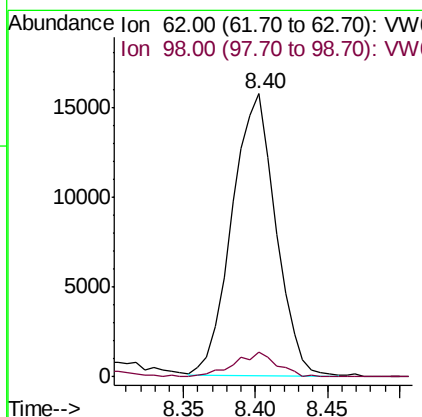
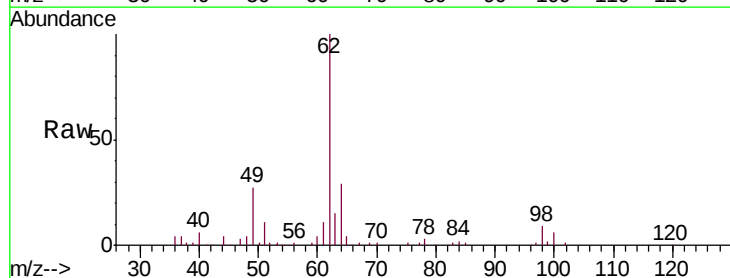
Instrument :
MSVOA_W
ClientSampleId :
MDL05

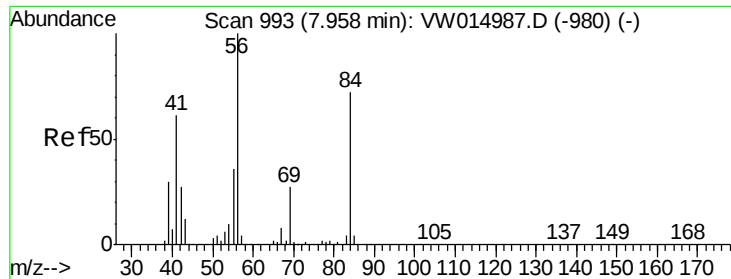
Tgt Ion: 83 Resp: 47203
Ion Ratio Lower Upper
83 100
85 64.6 45.1 83.7



#27
1,2-Dichloroethane
Concen: 2.148 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Tgt Ion: 62 Resp: 33166
Ion Ratio Lower Upper
62 100
98 8.8 6.2 9.4

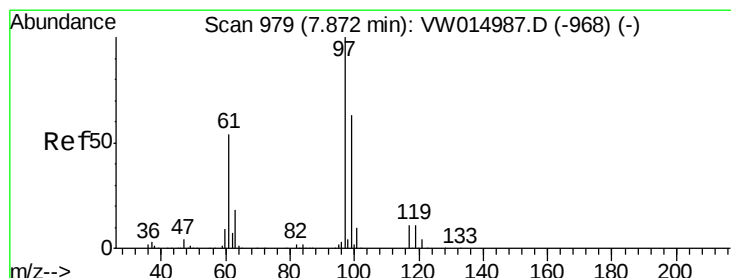
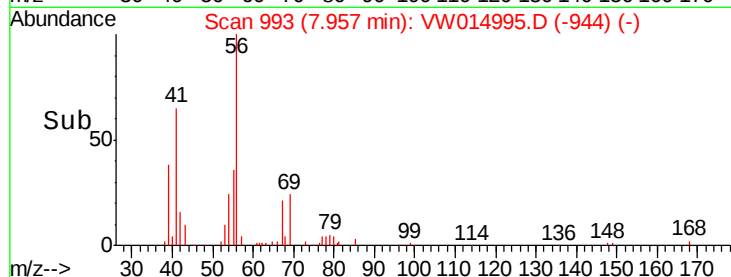
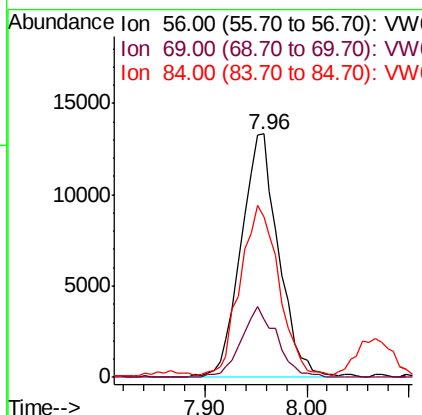
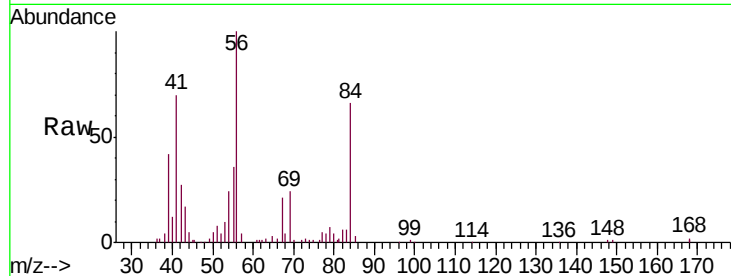




#29
Cyclohexane
Concen: 1.578 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

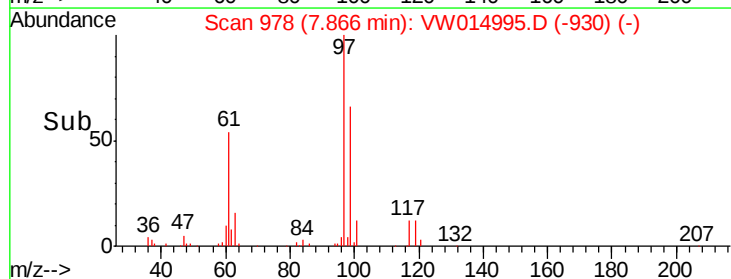
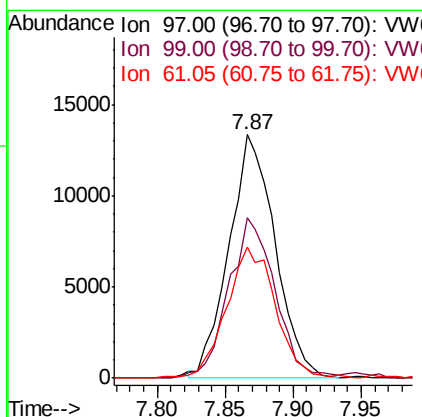
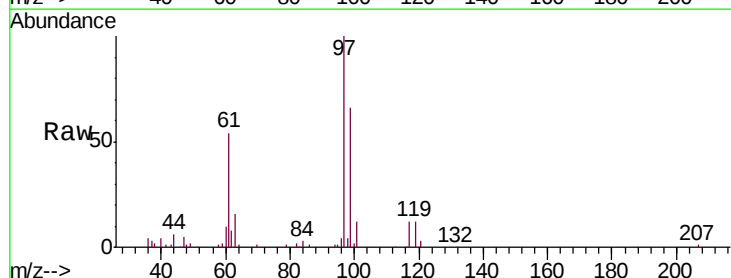
Instrument :
MSVOA_W
ClientSampleId :
MDL05

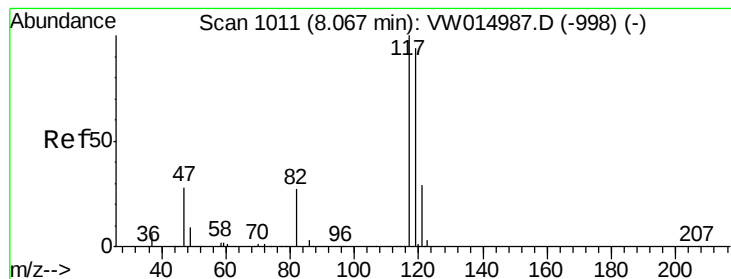
Tgt Ion: 56 Resp: 34209
Ion Ratio Lower Upper
56 100
69 27.4 22.0 33.0
84 71.7 57.8 86.6



#30
1,1,1-Trichloroethane
Concen: 1.956 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Tgt Ion: 97 Resp: 31633
Ion Ratio Lower Upper
97 100
99 66.1 50.6 75.8
61 56.7 42.7 64.1





#31

Carbon tetrachloride

Concen: 1.960 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Instrument :

MSVOA_W

ClientSampled :

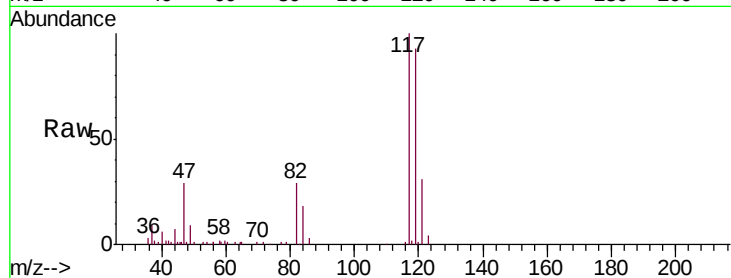
MDL05

Tgt Ion:117 Resp: 28577

Ion Ratio Lower Upper

117 100

119 96.0 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

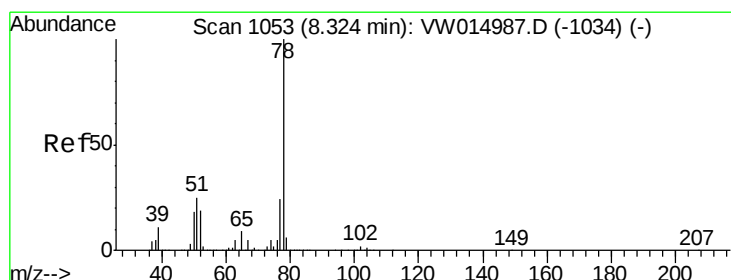
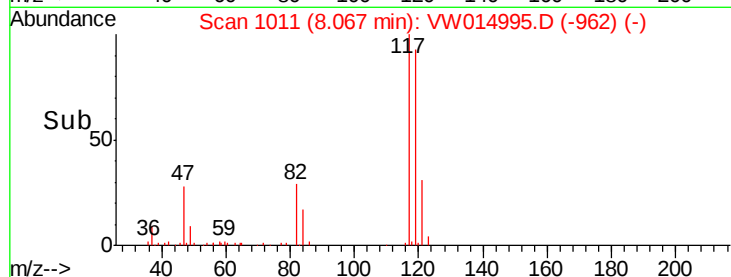
8.07

10000

5000

0

Time--> 7.95 8.00 8.05 8.10 8.15



#33

Benzene

Concen: 2.014 ug/L

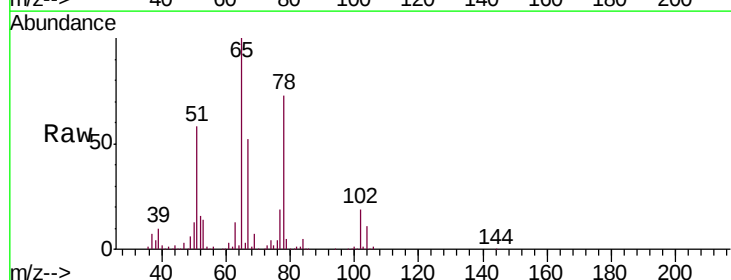
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Tgt Ion: 78 Resp: 98329



Abundance Ion 78.00 (77.70 to 78.70): VW

50000

40000

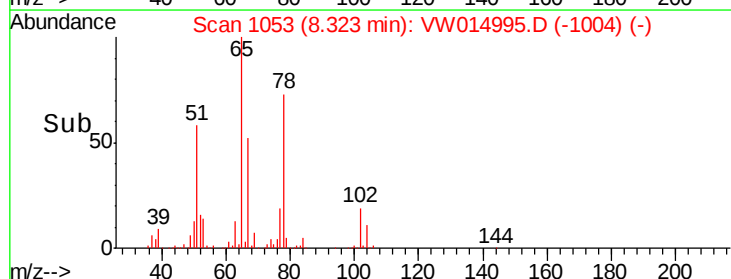
30000

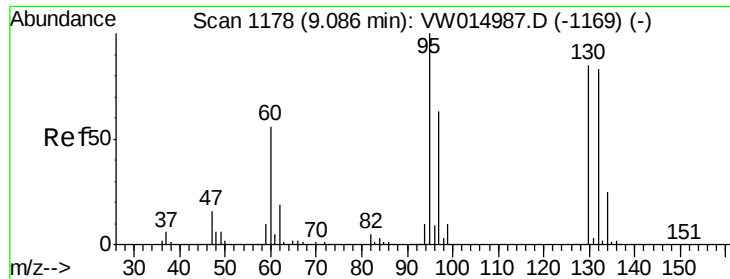
20000

10000

0

Time--> 8.25 8.30 8.35 8.40

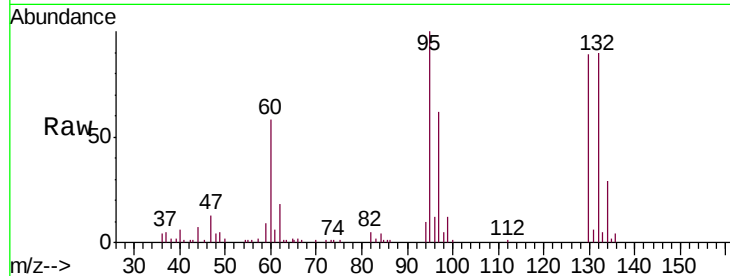




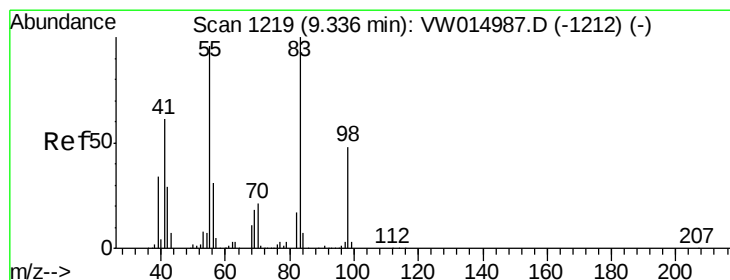
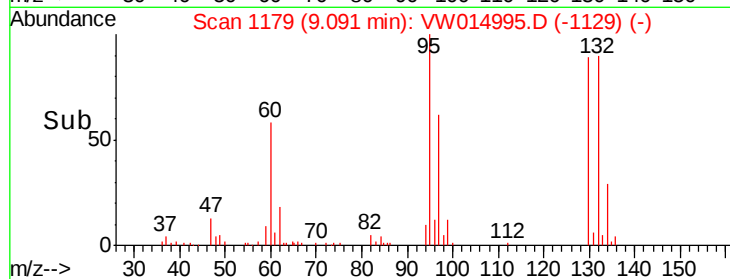
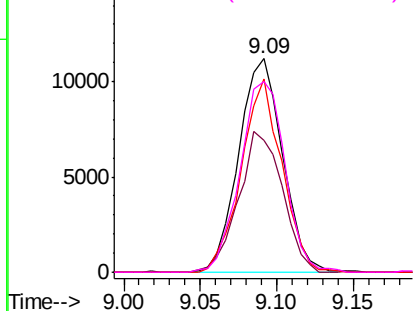
#34
 Trichloroethene
 Concen: 1.912 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL05

Tgt Ion: 95 Resp: 22358
 Ion Ratio Lower Upper
 95 100
 97 61.6 44.2 82.0
 132 90.2 56.1 104.3
 130 89.3 60.1 111.7

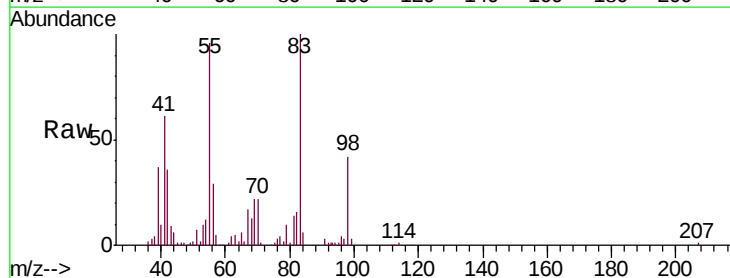


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

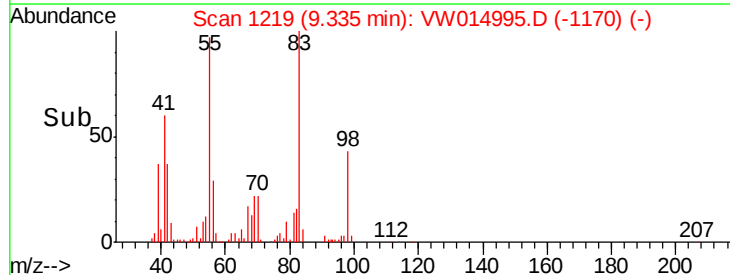
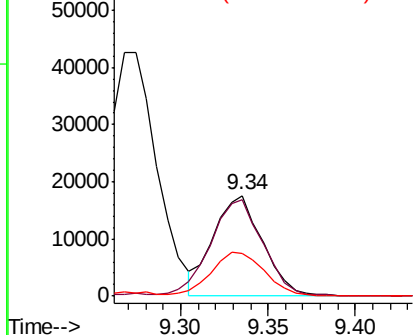


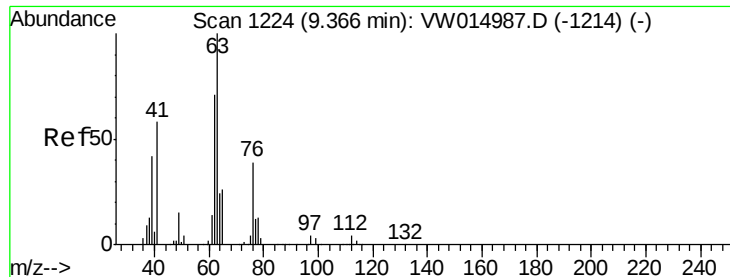
#35
 Methylcyclohexane
 Concen: 1.703 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Tgt Ion: 83 Resp: 34336
 Ion Ratio Lower Upper
 83 100
 55 102.5 76.3 114.5
 98 47.7 36.4 54.6



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

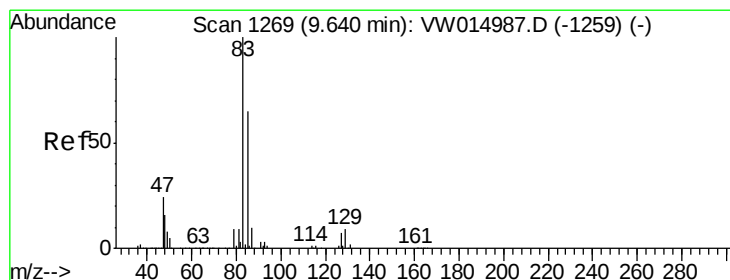
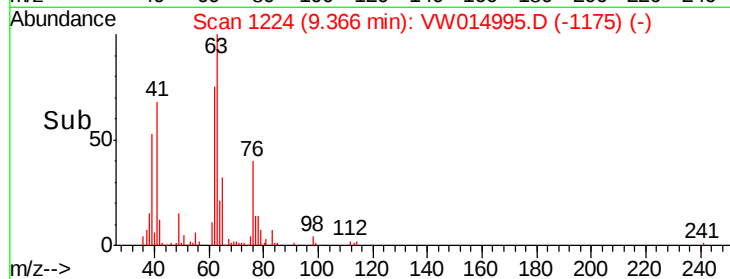
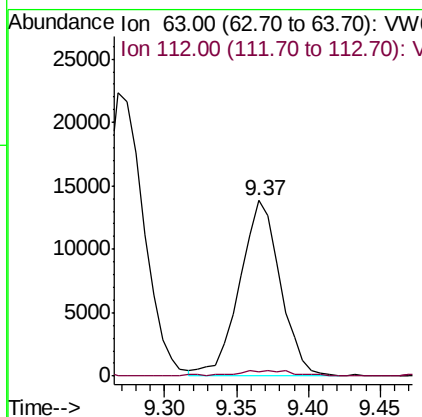
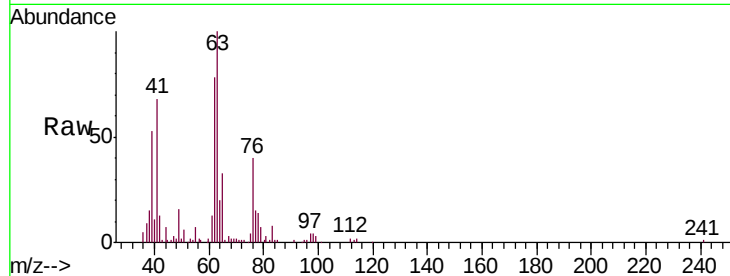




#37
 1,2-Dichloropropane
 Concen: 1.986 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

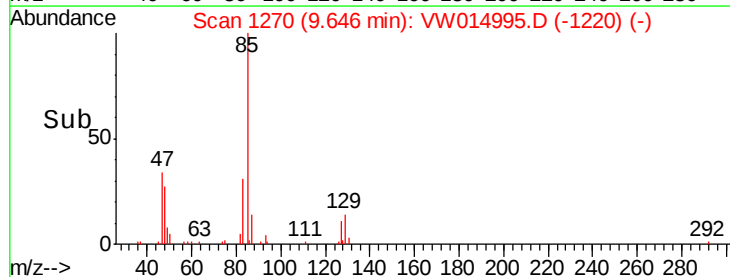
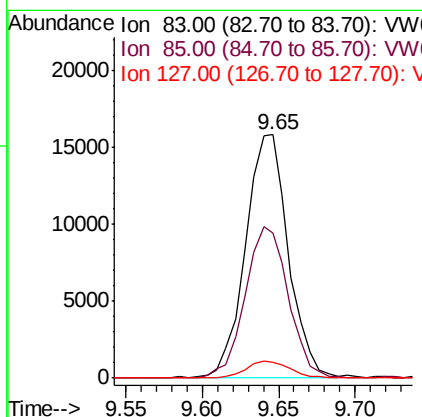
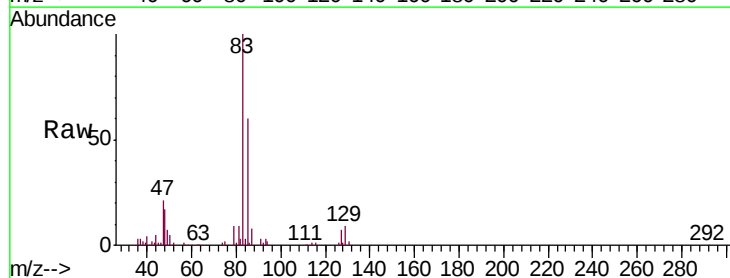
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL05

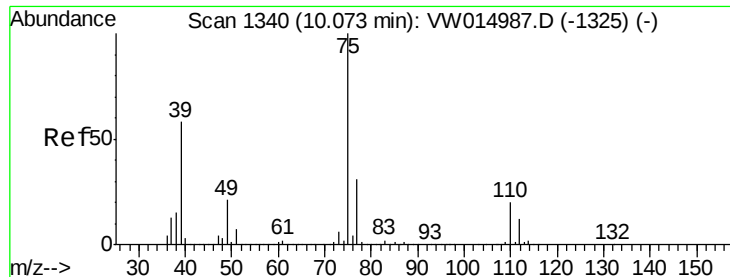
Tgt Ion: 63 Resp: 27085
 Ion Ratio Lower Upper
 63 100
 112 1.8 2.6 4.0#



#38
 Bromodichloromethane
 Concen: 2.002 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Tgt Ion: 83 Resp: 30735
 Ion Ratio Lower Upper
 83 100
 85 59.8 45.2 84.0
 127 6.6 5.5 8.3





#39

cis-1,3-Dichloropropene

Concen: 1.943 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Instrument :

MSVOA_W

ClientSampleId :

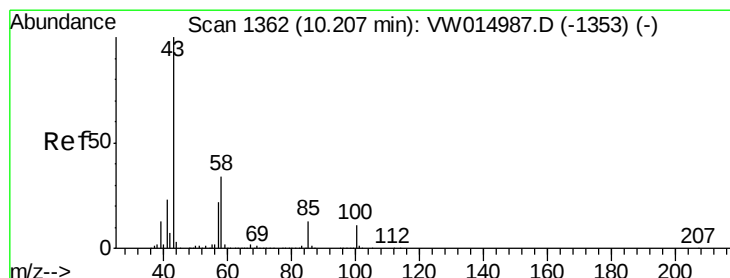
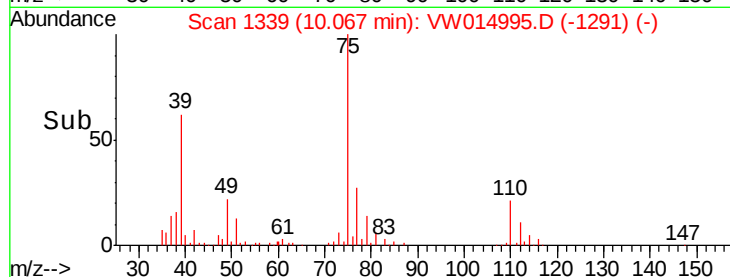
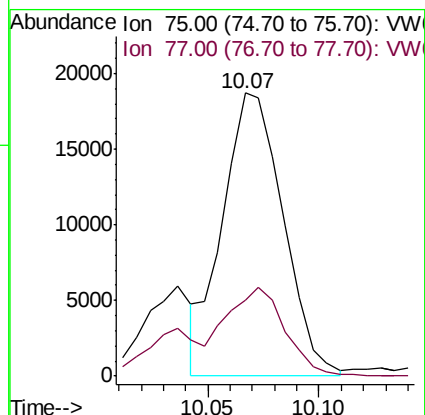
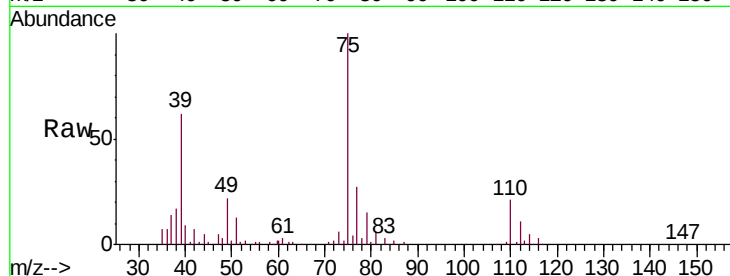
MDL05

Tgt Ion: 75 Resp: 35454

Ion Ratio Lower Upper

75 100

77 26.7 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 3.850 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

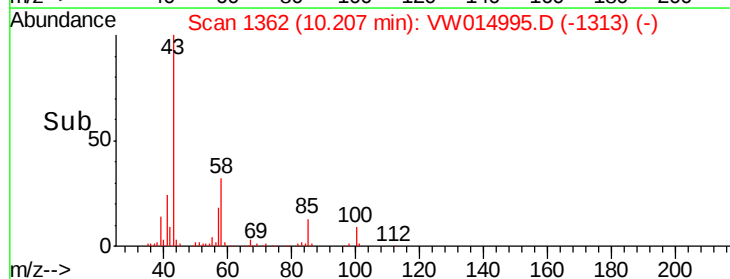
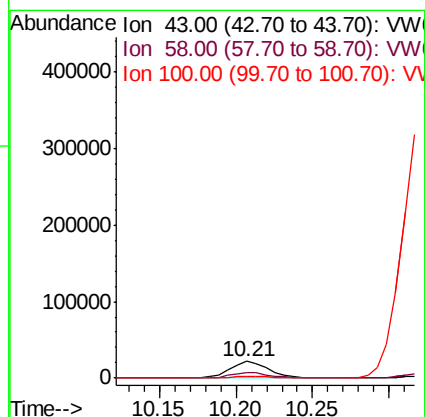
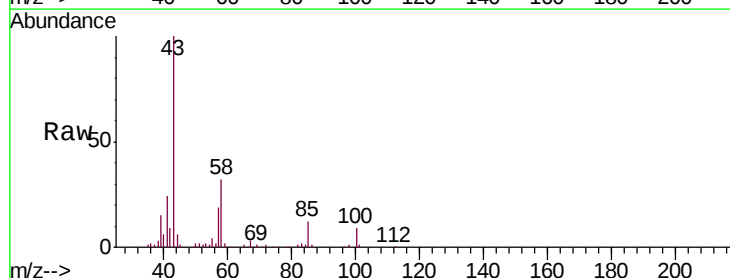
Tgt Ion: 43 Resp: 37378

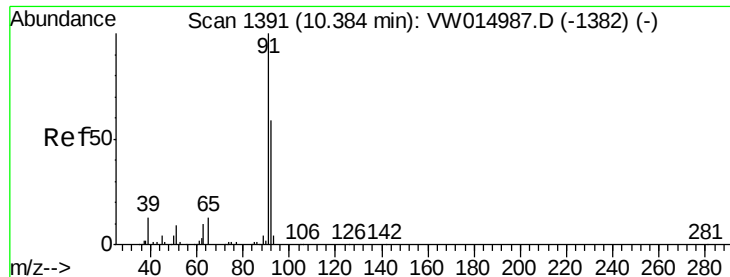
Ion Ratio Lower Upper

43 100

58 35.1 27.7 41.5

100 10.9 8.6 13.0





#42

Toluene

Concen: 2.027 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Instrument :

MSVOA_W

ClientSampled :

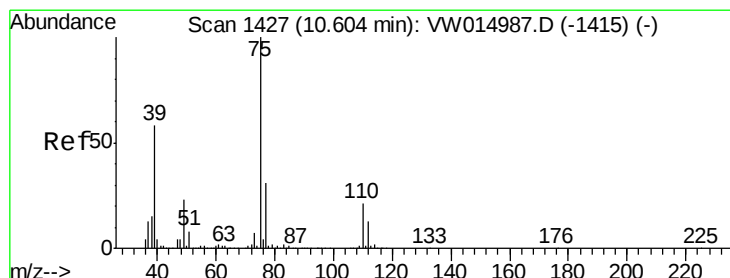
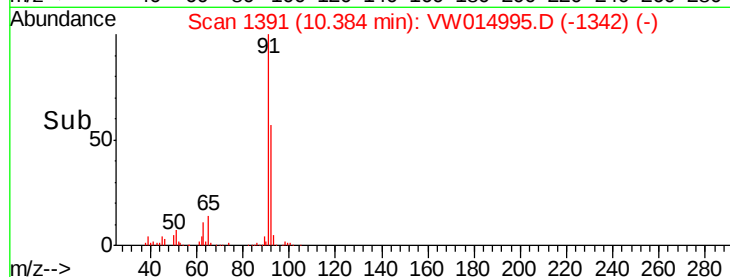
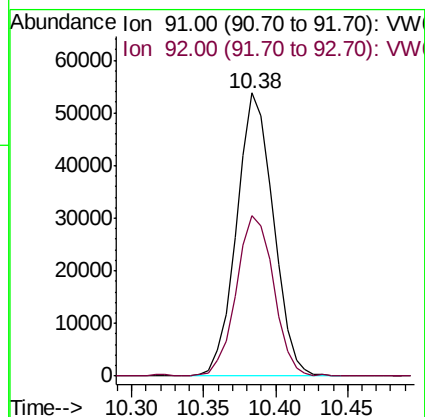
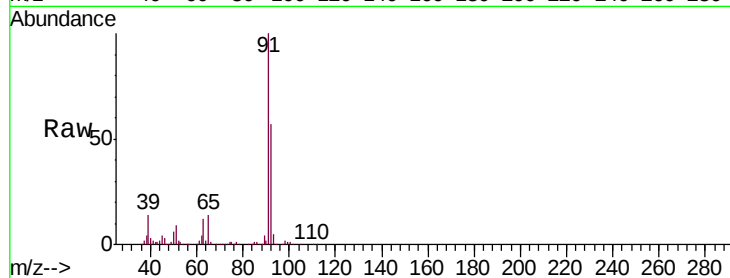
MDL05

Tgt Ion: 91 Resp: 95606

Ion Ratio Lower Upper

91 100

92 56.8 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 2.353 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014995.D

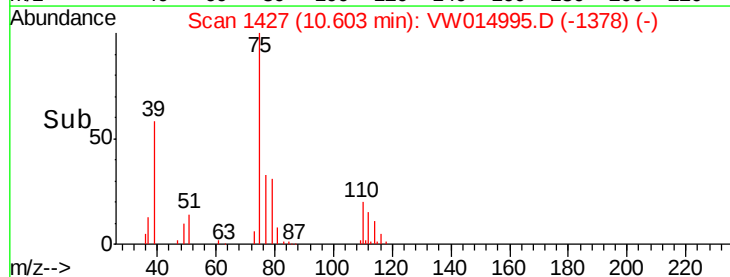
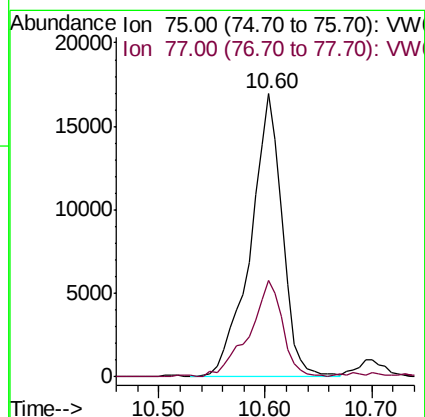
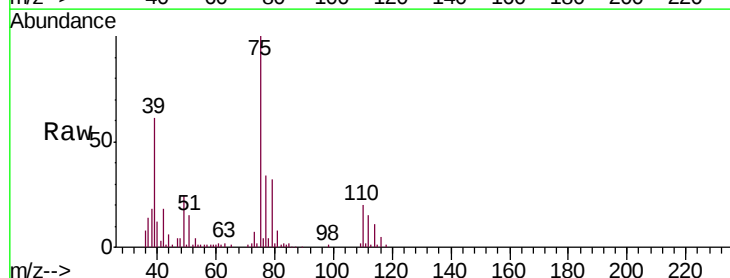
Acq: 14 Feb 2020 14:10

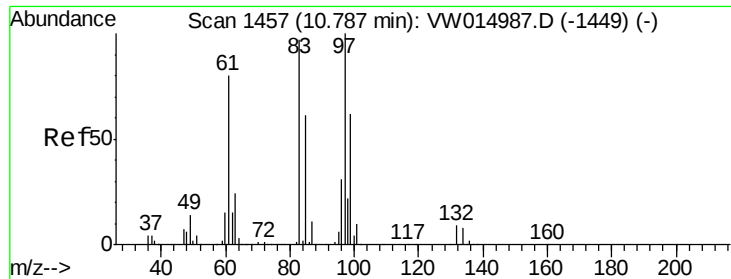
Tgt Ion: 75 Resp: 35615

Ion Ratio Lower Upper

75 100

77 34.3 22.7 42.1

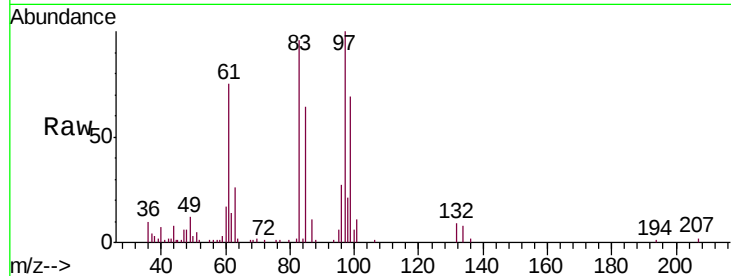




#45
 1,1,2-Trichloroethane
 Concen: 2.103 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Instrument :
 MSVOA_W
 ClientSampleID :
 MDL05

Tgt Ion:	97	Resp:	17392
Ion	Ratio	Lower	Upper
97	100		
99	68.6	44.2	82.0
83	95.9	64.1	119.1
85	63.6	42.1	78.1



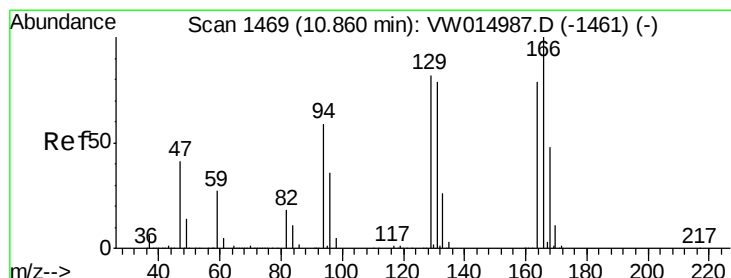
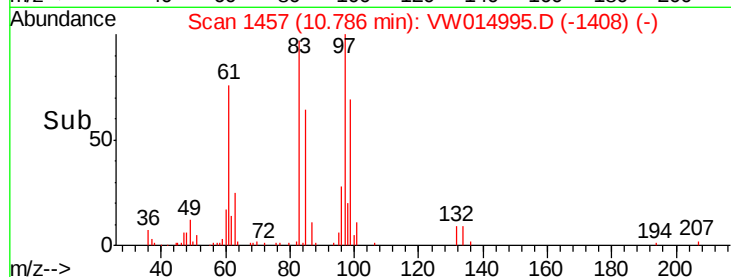
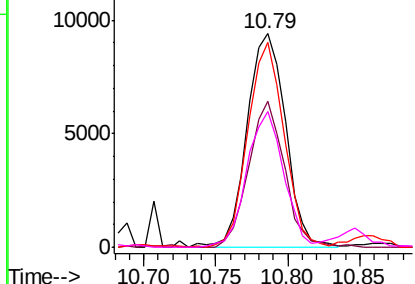
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

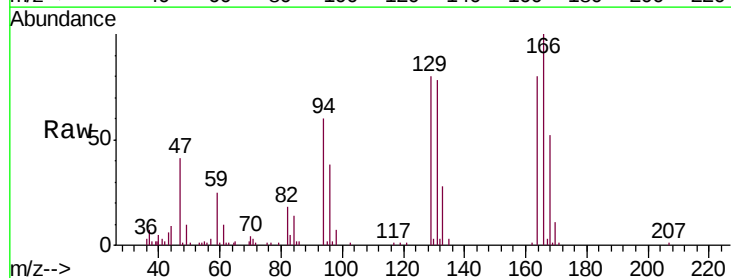
Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#46
 Tetrachloroethene
 Concen: 1.973 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Tgt Ion:	164	Resp:	14984
Ion	Ratio	Lower	Upper
164	100		
129	100.9	72.2	134.2
131	98.2	68.1	126.5
166	125.4	90.6	168.2



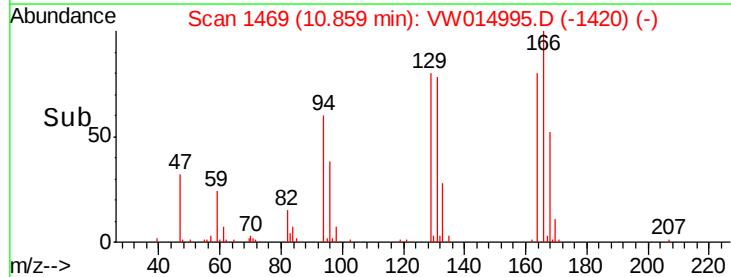
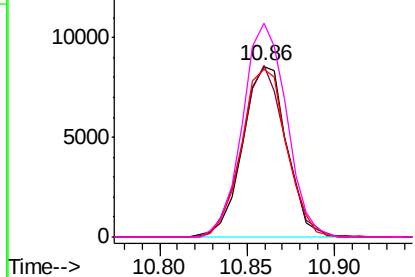
Abundance

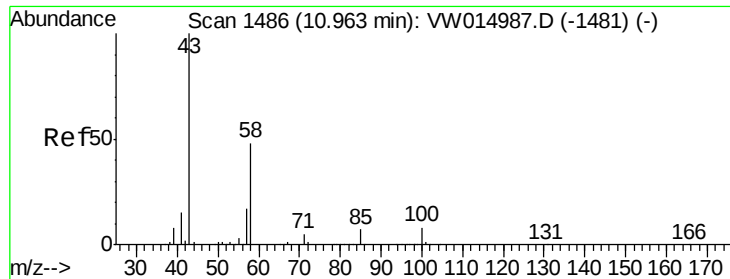
Ion 164.00 (163.70 to 164.70): V

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

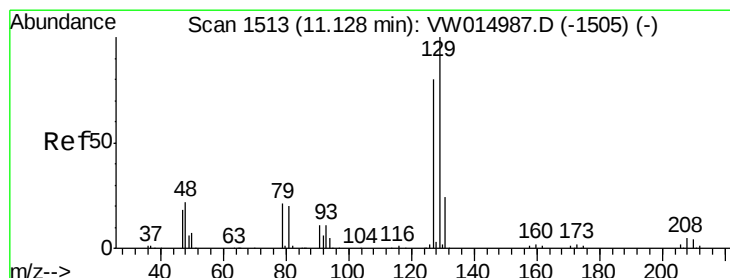
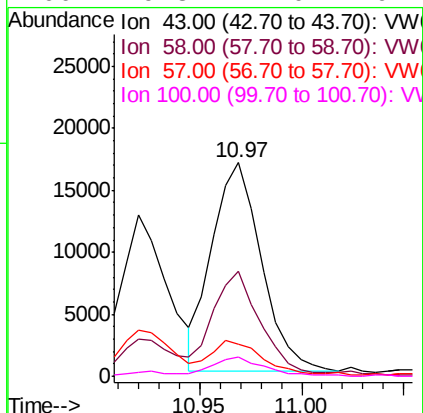
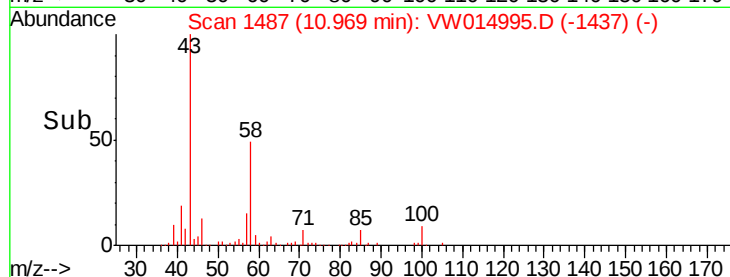
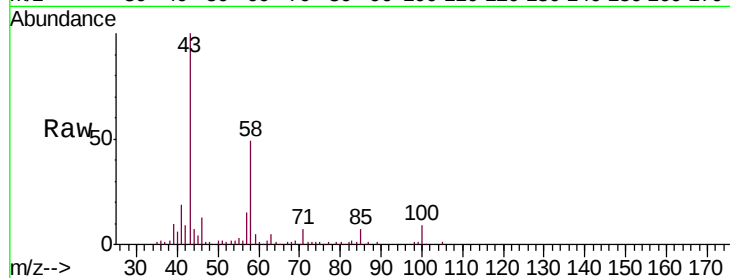




#48
2-Hexanone
Concen: 4.018 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

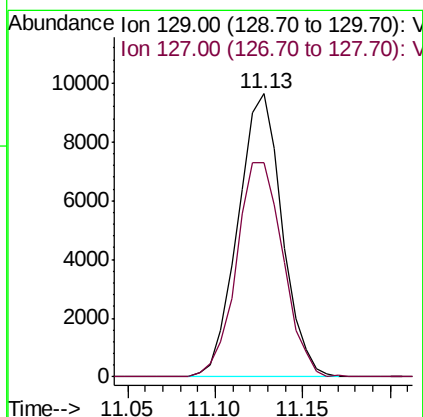
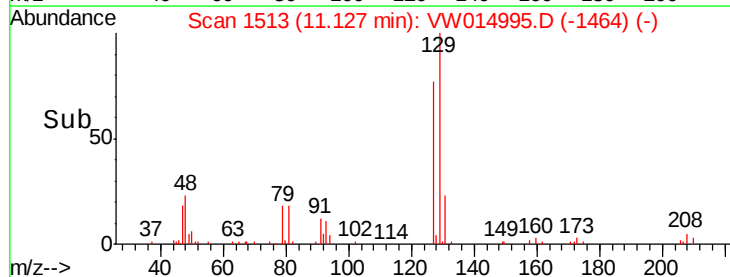
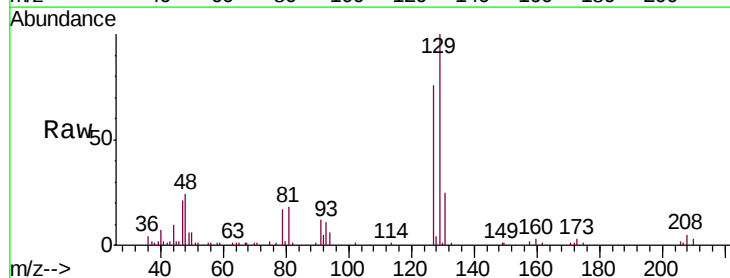
Instrument :
MSVOA_W
ClientSampleID :
MDL05

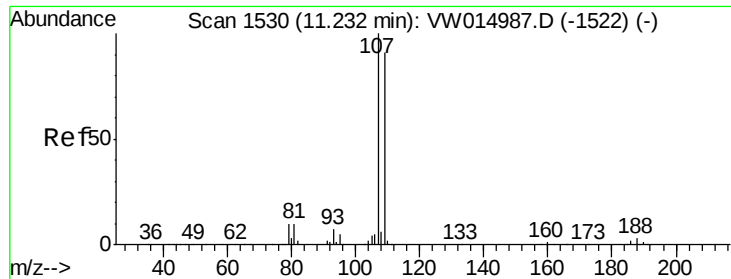
Tgt Ion:	43	Resp:	28418
Ion	Ratio	Lower	Upper
43	100		
58	47.7	39.2	58.8
57	18.3	13.1	19.7
100	9.8	7.0	10.4



#49
Dibromochloromethane
Concen: 1.972 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Tgt Ion:	129	Resp:	16992
Ion	Ratio	Lower	Upper
129	100		
127	75.5	53.0	98.4

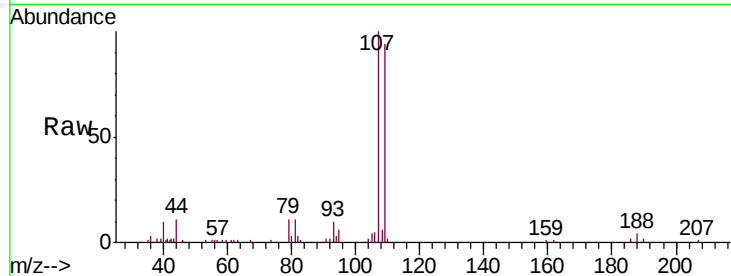




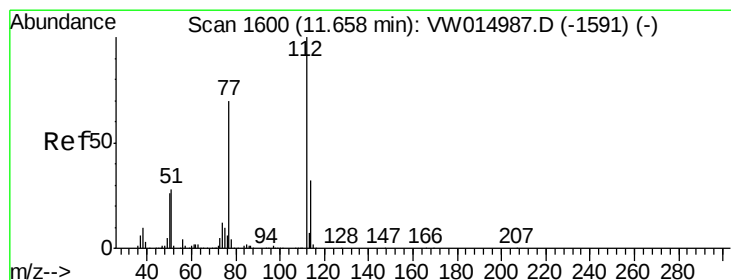
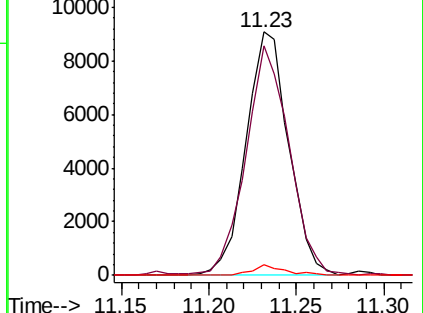
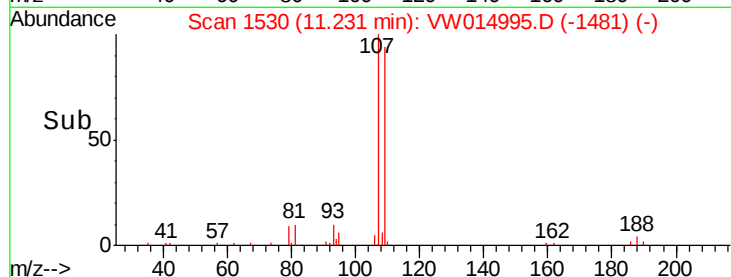
#50
 1,2-Dibromoethane
 Concen: 2.068 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL05

Tgt Ion:107 Resp: 15418
 Ion Ratio Lower Upper
 107 100
 109 94.5 65.1 120.9
 188 4.3 2.4 3.6#

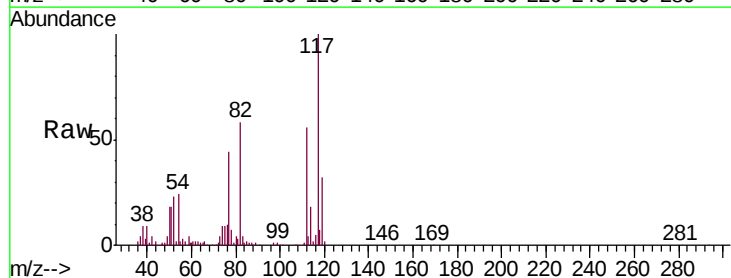


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

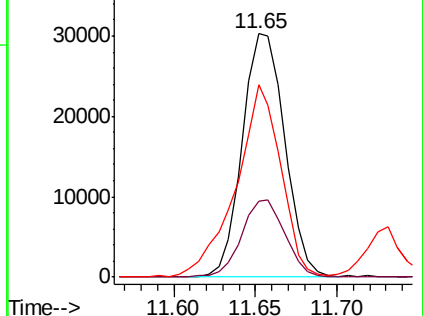
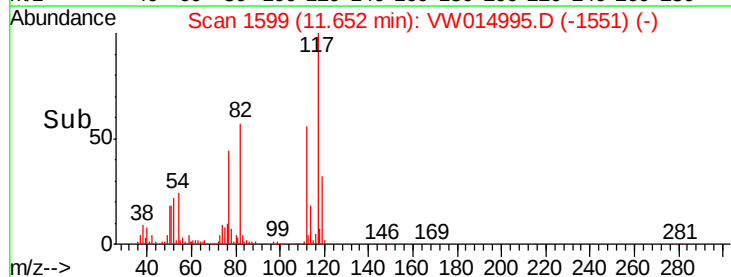


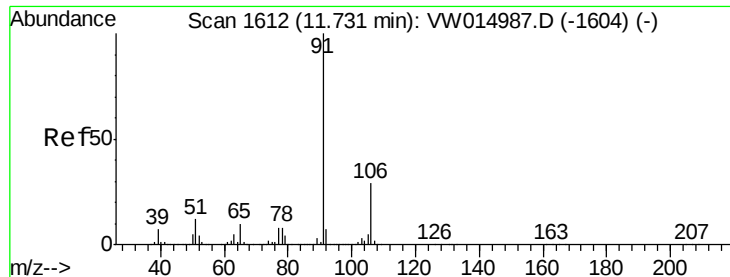
#51
 Chlorobenzene
 Concen: 1.978 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Tgt Ion:112 Resp: 55032
 Ion Ratio Lower Upper
 112 100
 114 31.4 22.6 42.0
 77 78.8 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: 1.776 ug/L

RT: 11.72 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Instrument :

MSVOA_W

ClientSampled :

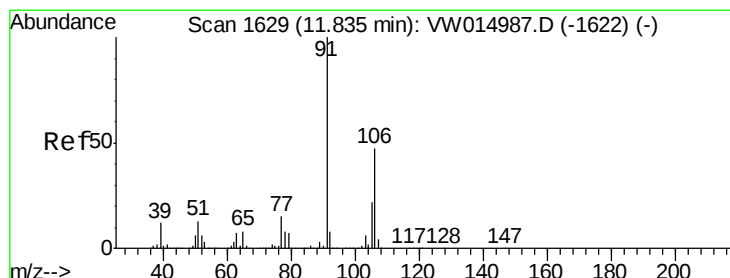
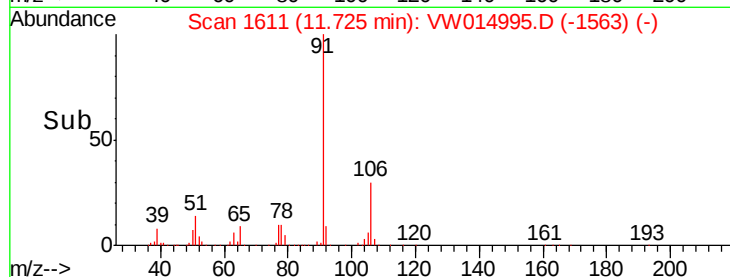
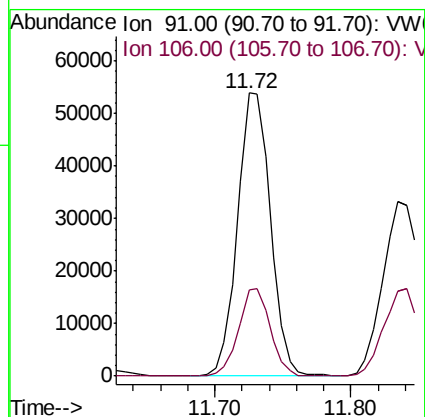
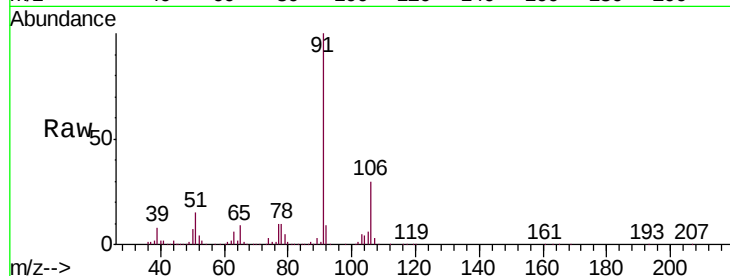
MDL05

Tgt Ion: 91 Resp: 91241

Ion Ratio Lower Upper

91 100

106 30.3 20.2 37.4



#53

m,p-Xylene

Concen: 1.746 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW014995.D

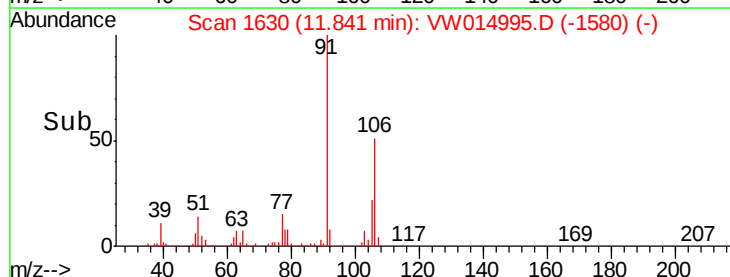
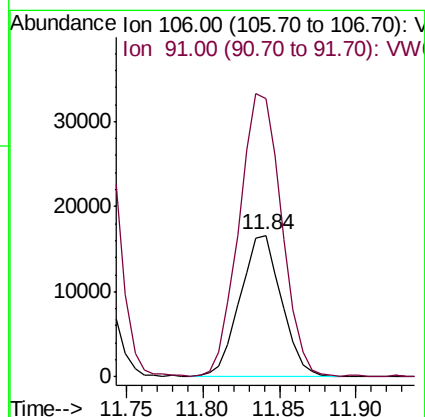
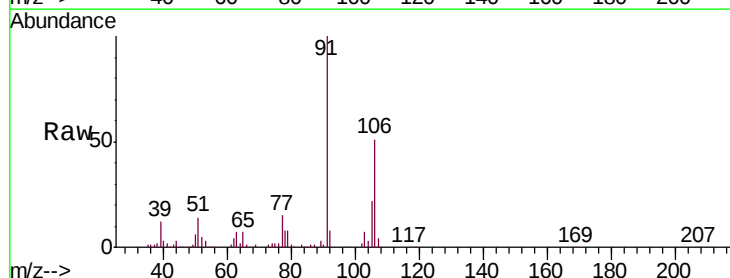
Acq: 14 Feb 2020 14:10

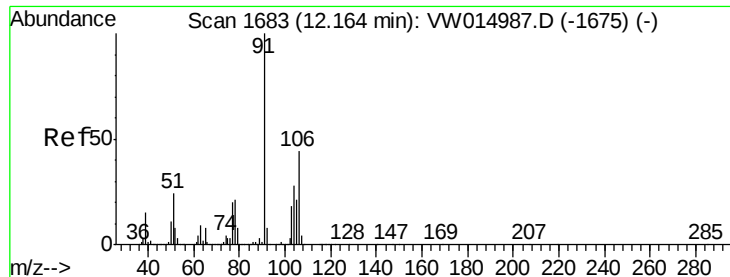
Tgt Ion: 106 Resp: 31472

Ion Ratio Lower Upper

106 100

91 195.7 149.2 277.2

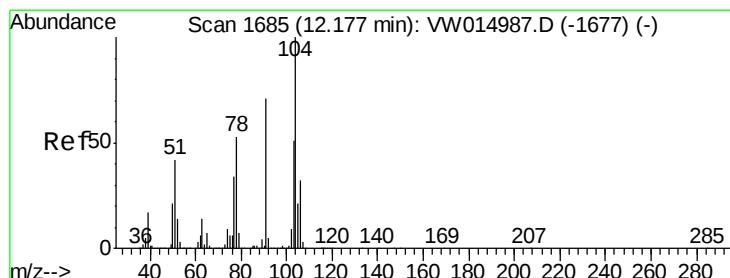
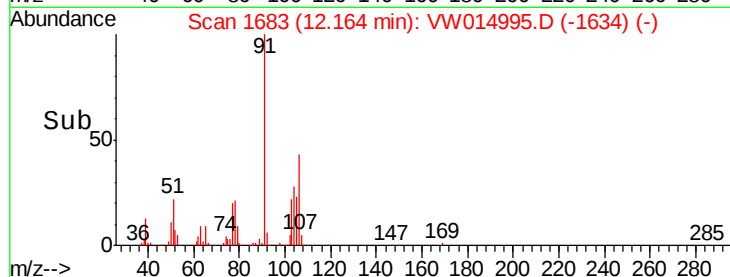
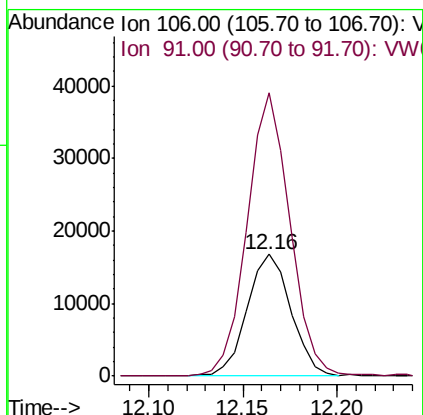
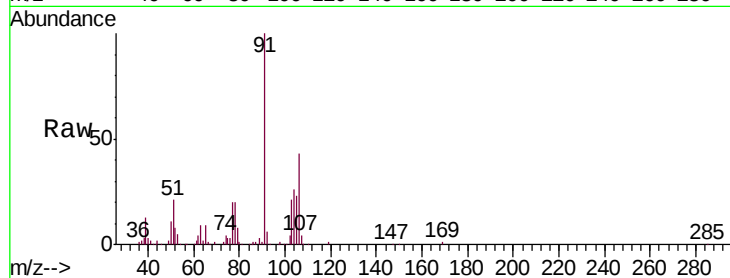




#54
o-Xylene
Concen: 1.604 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

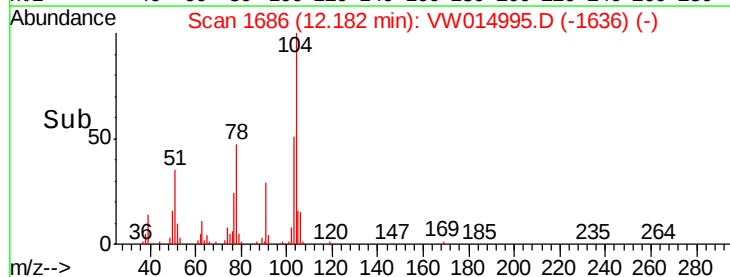
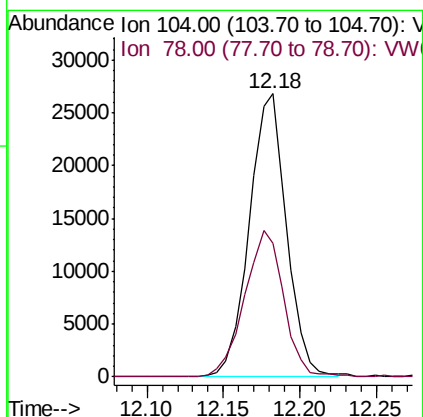
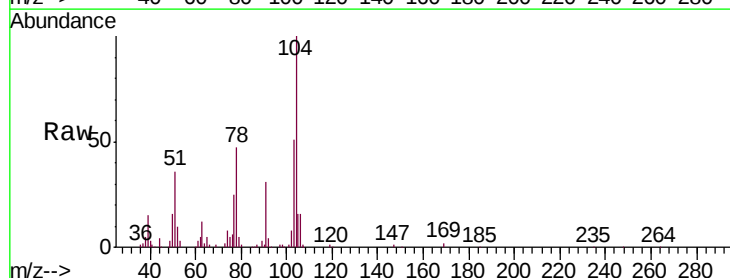
Instrument :
MSVOA_W
ClientSampleId :
MDL05

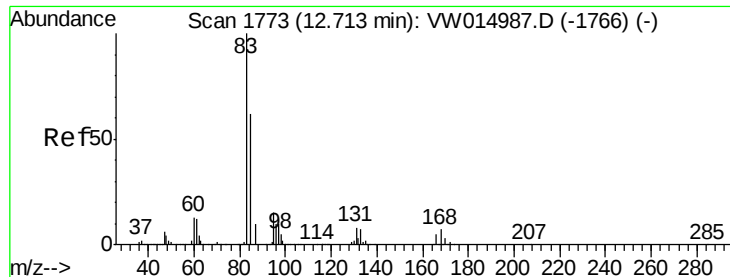
Tgt Ion:106 Resp: 27164
Ion Ratio Lower Upper
106 100
91 232.4 163.7 304.1



#55
Styrene
Concen: 1.551 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Tgt Ion:104 Resp: 45265
Ion Ratio Lower Upper
104 100
78 47.2 36.8 68.4

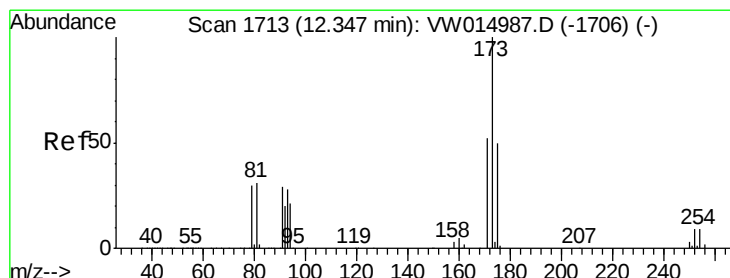
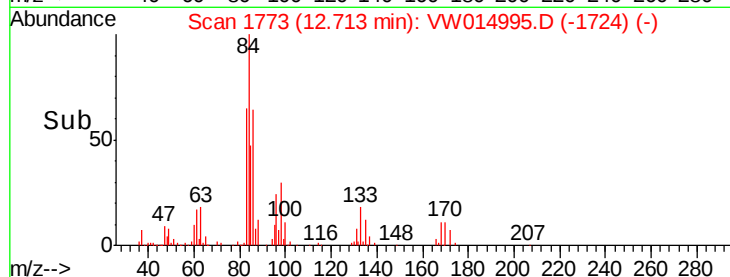
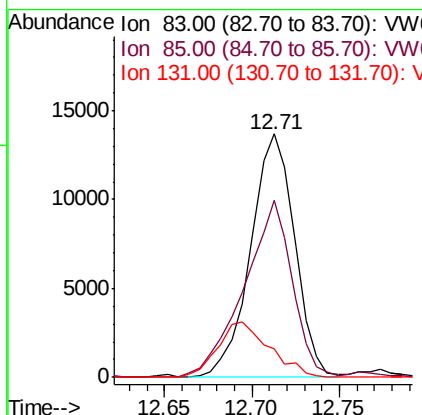
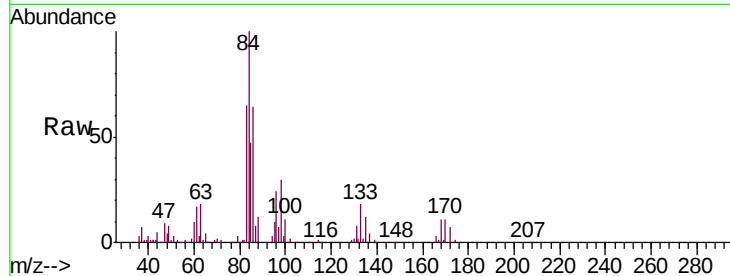




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.168 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

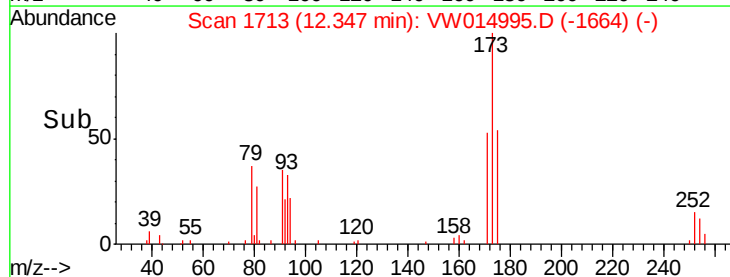
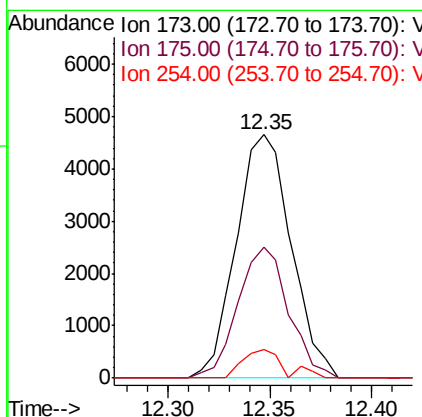
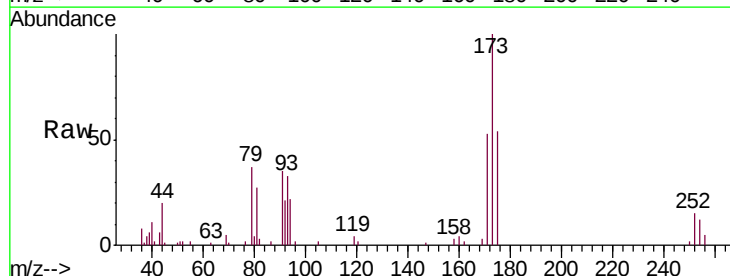
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL05

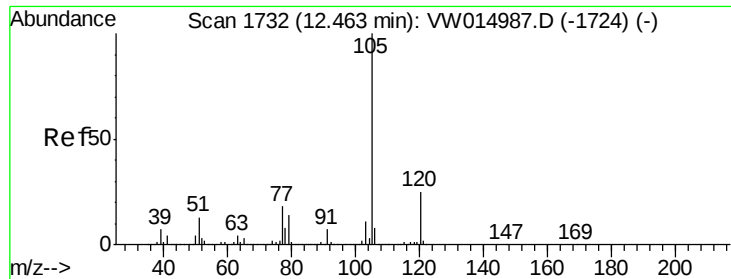
Tgt Ion: 83 Resp: 23995
 Ion Ratio Lower Upper
 83 100
 85 72.8 44.9 83.5
 131 11.8 6.2 9.2#



#59
 Bromoform
 Concen: 2.108 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Tgt Ion: 173 Resp: 8723
 Ion Ratio Lower Upper
 173 100
 175 49.5 39.0 58.4
 254 7.2 7.1 10.7





#60

Isopropylbenzene

Concen: 1.658 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

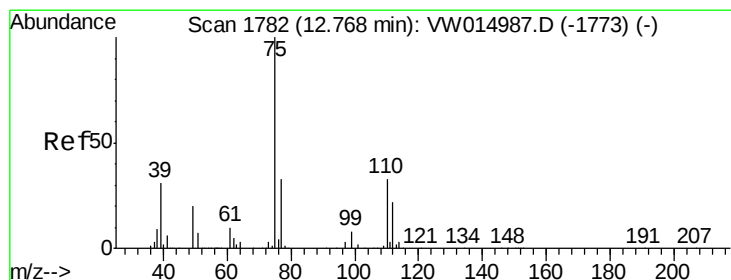
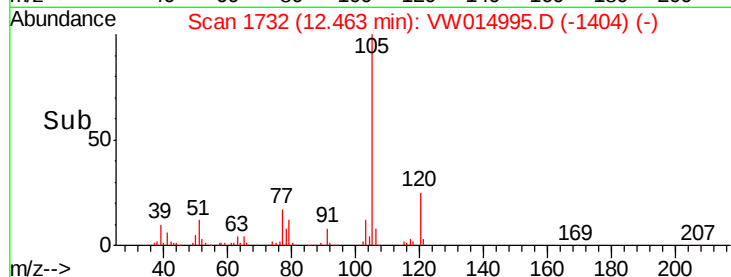
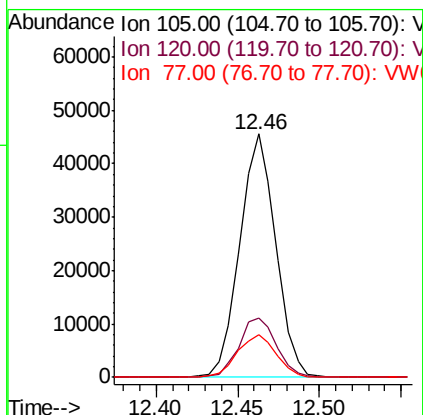
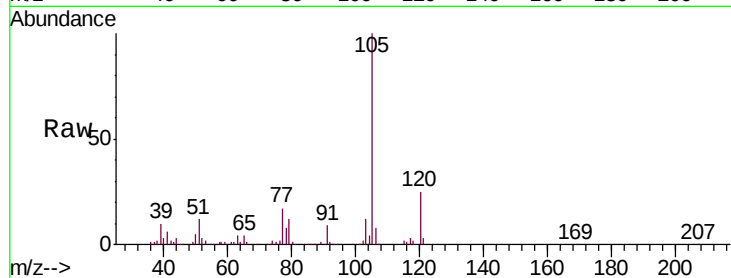
Instrument :

MSVOA_W

ClientSampled :

MDL05

Tgt Ion:	105	Resp:	70267
Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.1	30.1
77	18.9	14.4	21.6



#61

1,2,3-Trichloropropane

Concen: 2.263 ug/L

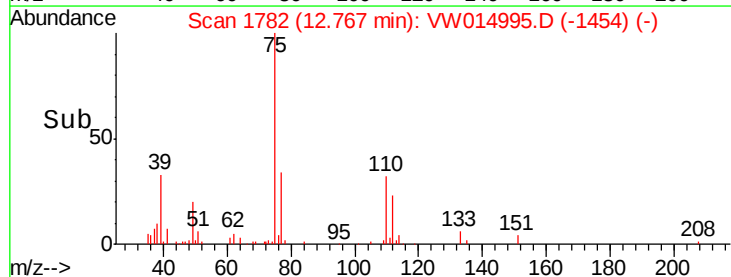
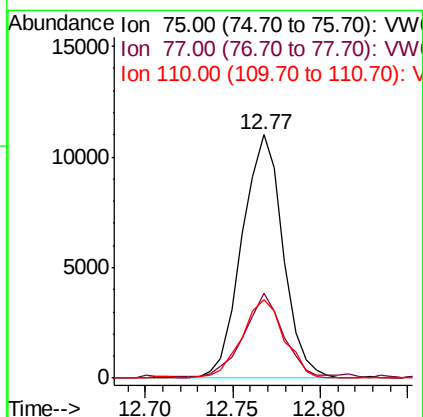
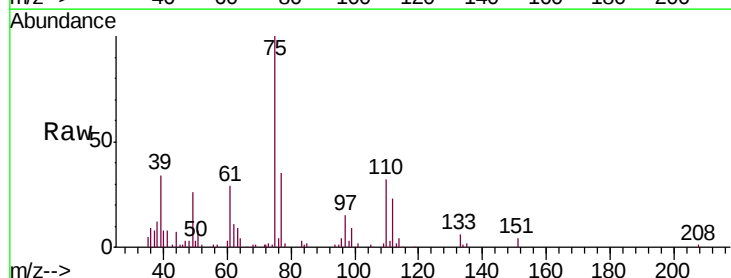
RT: 12.77 min Scan# 1782

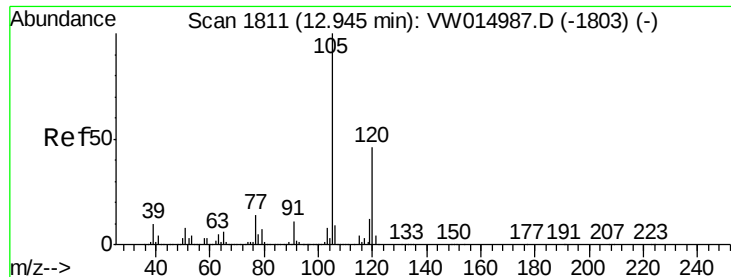
Delta R.T. -0.00 min

Lab File: VW014995.D

Acq: 14 Feb 2020 14:10

Tgt Ion:	75	Resp:	17950
Ion	Ratio	Lower	Upper
75	100		
77	33.9	25.8	38.6
110	33.3	26.6	39.8

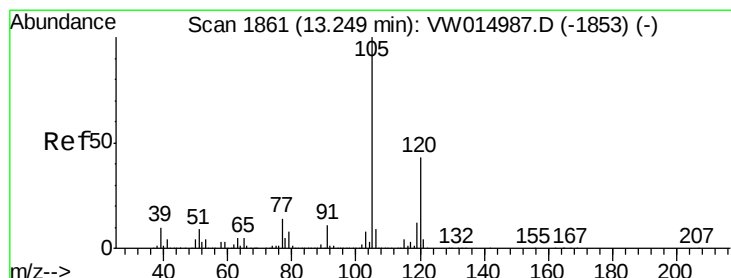
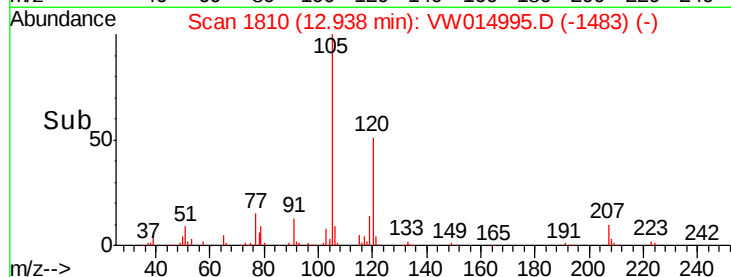
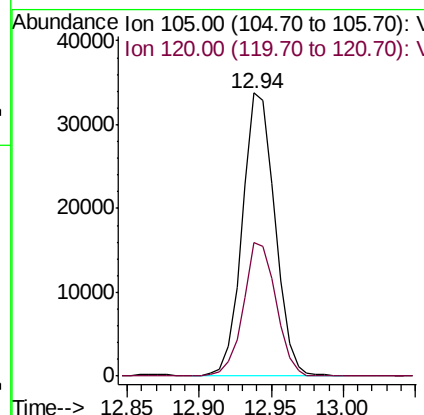
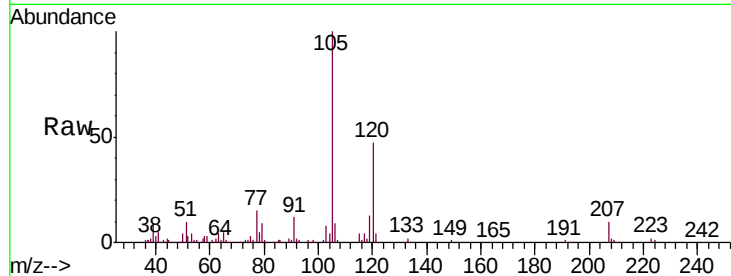




#62
 1,3,5-Trimethylbenzene
 Concen: 1.572 ug/L
 RT: 12.94 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

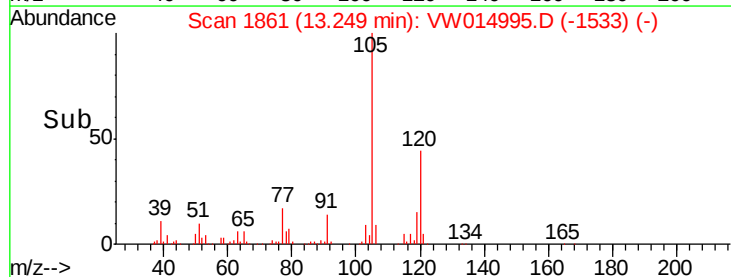
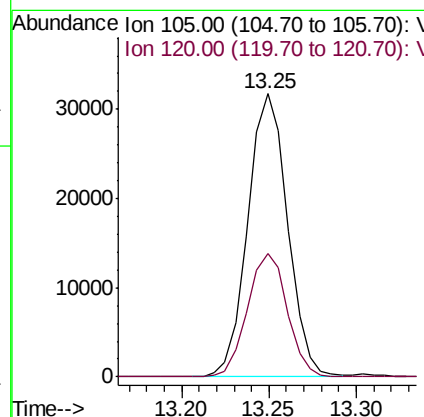
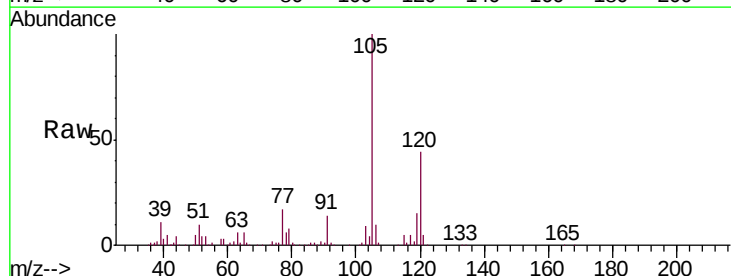
Instrument :
 MSVOA_W
 ClientSampled :
 MDL05

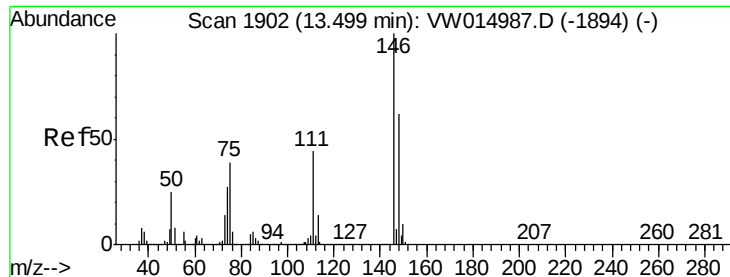
Tgt Ion:105 Resp: 53118
 Ion Ratio Lower Upper
 105 100
 120 47.1 37.4 56.0



#63
 1,2,4-Trimethylbenzene
 Concen: 1.519 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Tgt Ion:105 Resp: 50198
 Ion Ratio Lower Upper
 105 100
 120 43.5 35.0 52.4

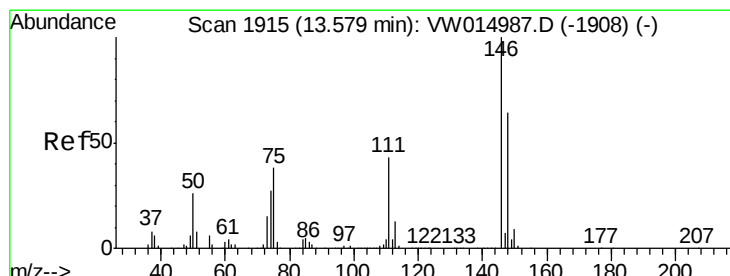
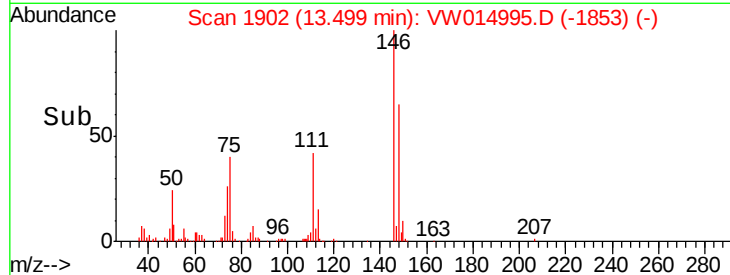
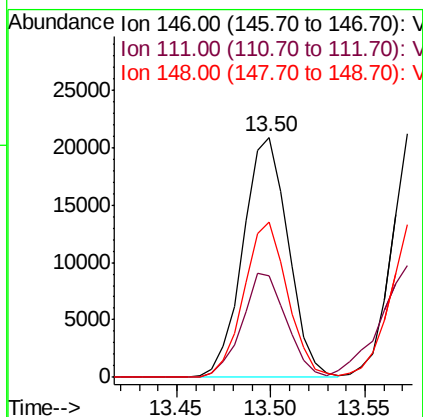
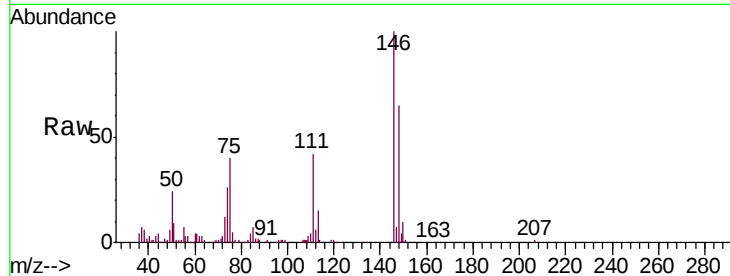




#64
 1,3-Dichlorobenzene
 Concen: 1.990 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

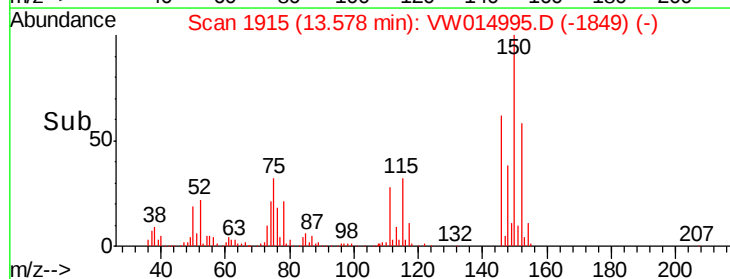
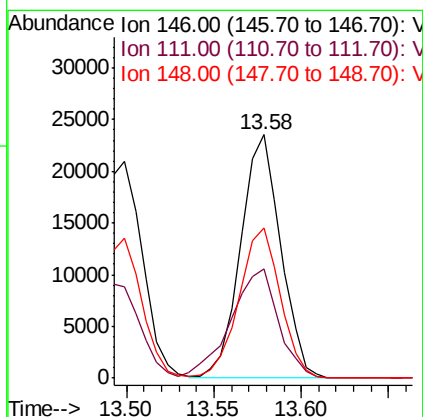
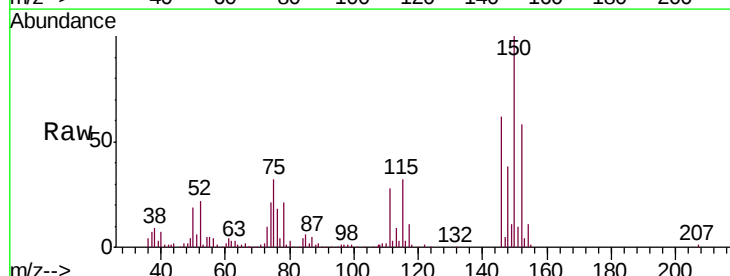
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL05

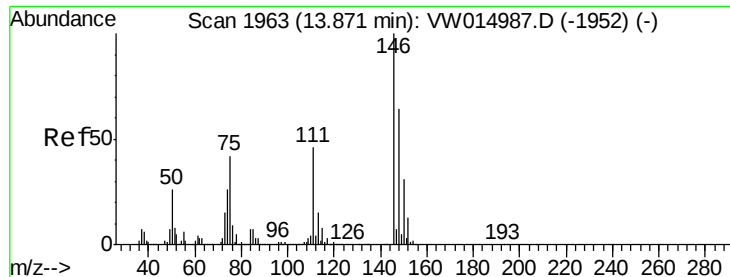
Tgt Ion:146 Resp: 34756
 Ion Ratio Lower Upper
 146 100
 111 42.3 30.2 56.0
 148 64.5 44.2 82.2



#65
 1,4-Dichlorobenzene
 Concen: 2.082 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Tgt Ion:146 Resp: 37484
 Ion Ratio Lower Upper
 146 100
 111 44.9 29.5 54.9
 148 61.5 43.8 81.3

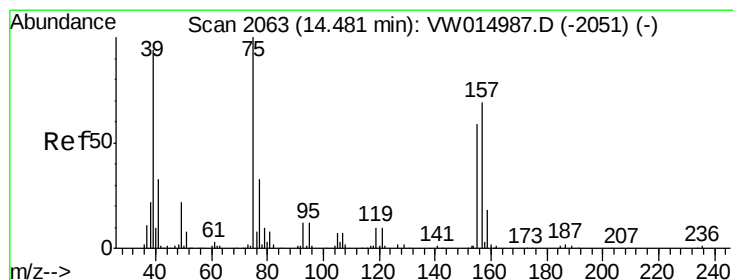
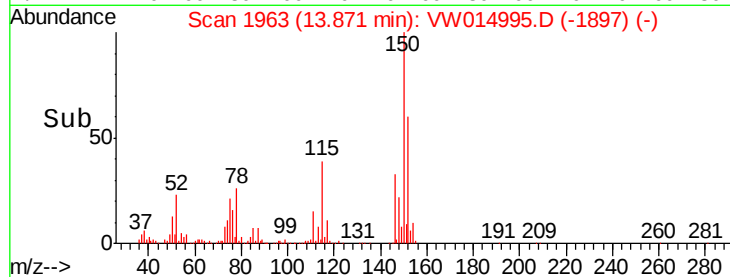
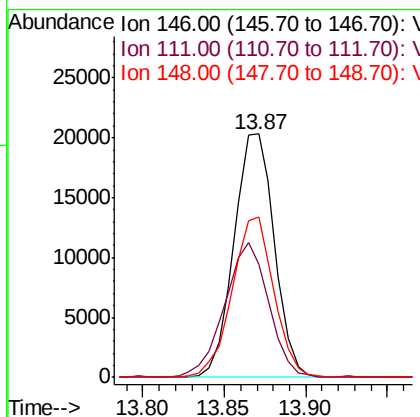
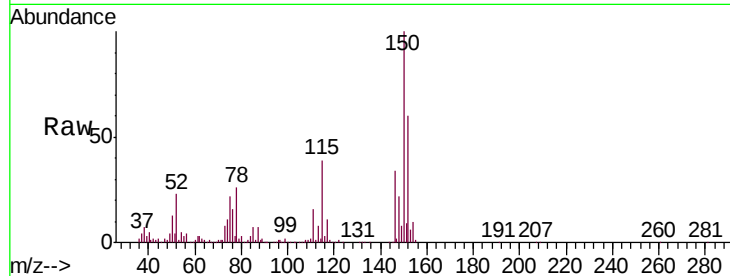




#67
 1,2-Dichlorobenzene
 Concen: 2.166 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

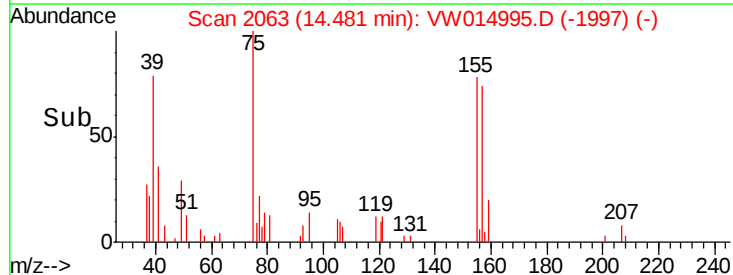
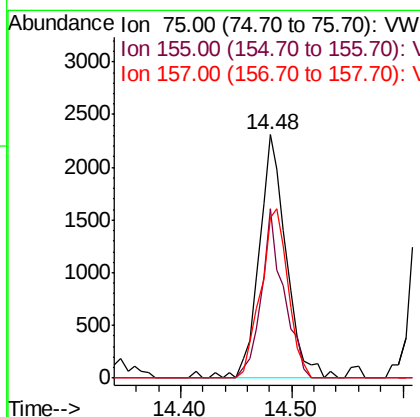
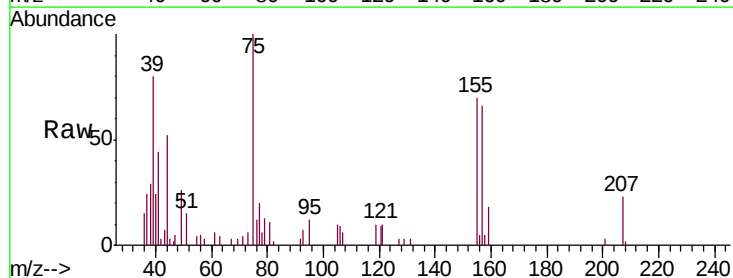
Instrument :
 MSVOA_W
 ClientSampled :
 MDL05

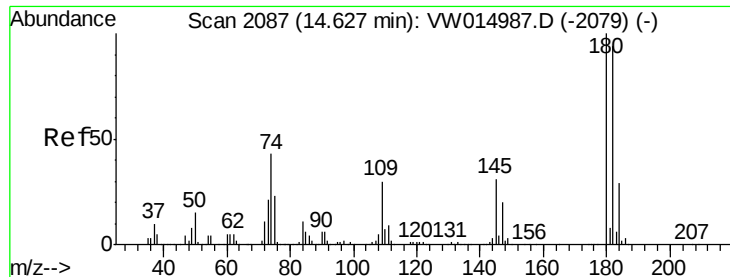
Tgt Ion:146 Resp: 35005
 Ion Ratio Lower Upper
 146 100
 111 46.5 38.0 57.0
 148 65.6 49.5 74.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.370 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Tgt Ion: 75 Resp: 3932
 Ion Ratio Lower Upper
 75 100
 155 69.7 48.0 72.0
 157 70.9 59.4 89.0

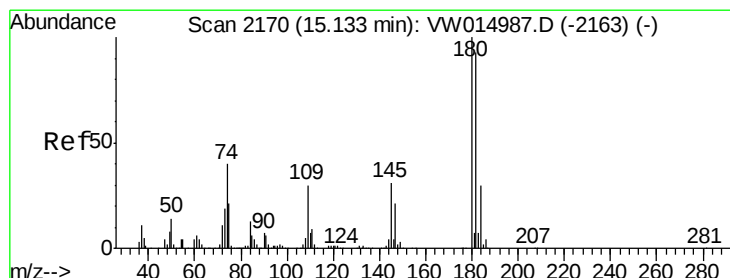
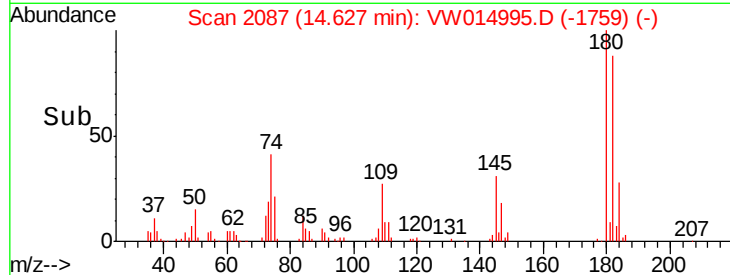
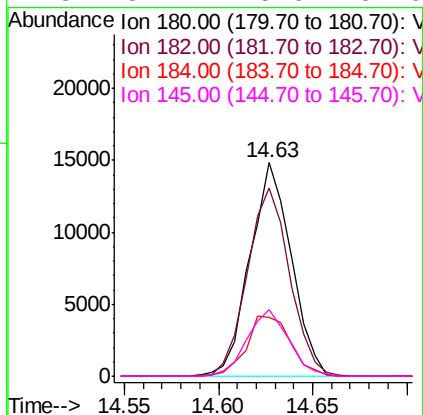
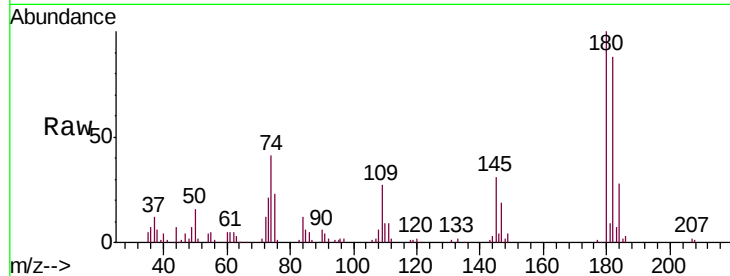




#69
 1,3,5-Trichlorobenzene
 Concen: 1.923 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

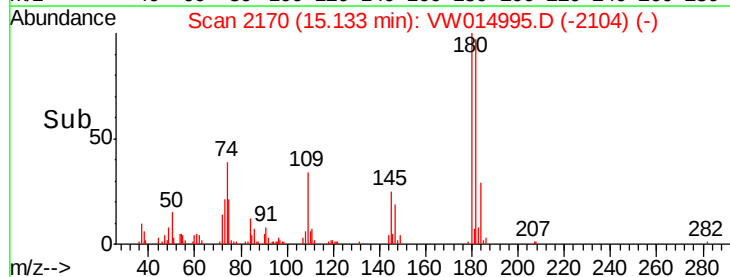
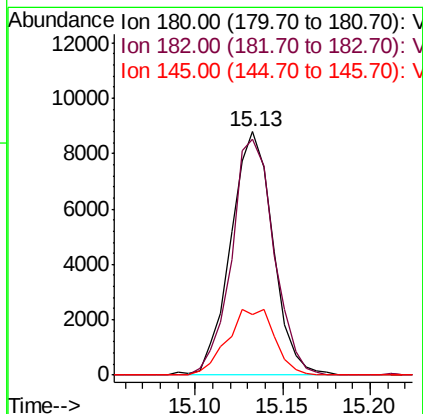
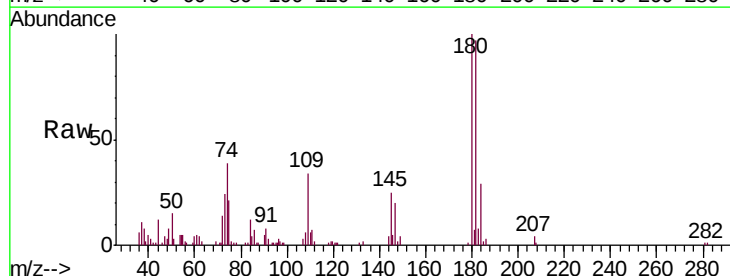
Instrument :
 MSVOA_W
 ClientSampleID :
 MDL05

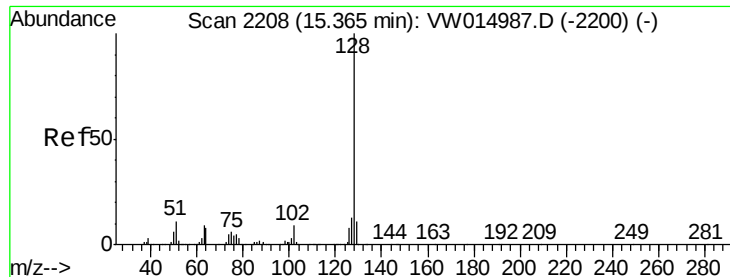
Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.7	76.5	114.7
184	30.4	24.2	36.2
145	31.4	25.0	37.6



#70
 1,2,4-trichlorobenzene
 Concen: 1.678 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014995.D
 Acq: 14 Feb 2020 14:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.2	114.4
145	30.2	26.2	39.4

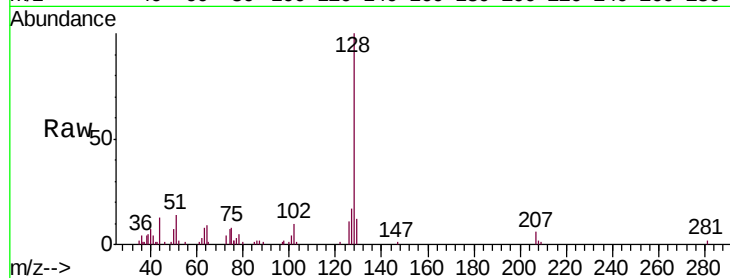




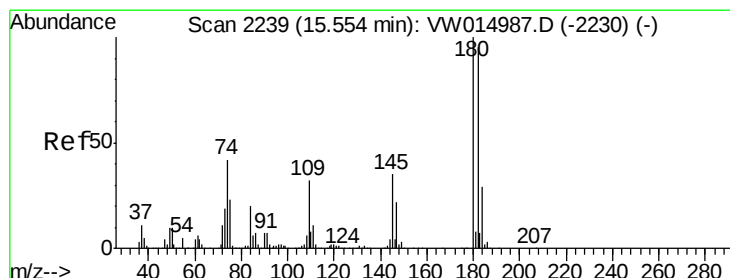
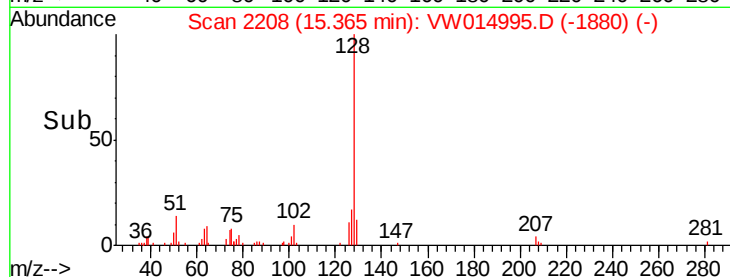
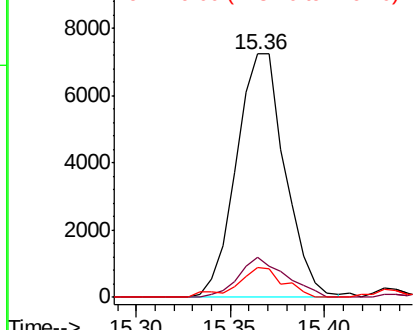
#71
Naphthalene
Concen: 1.442 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Instrument :
MSVOA_W
ClientSampleId :
MDL05

Tgt Ion:128 Resp: 12995
Ion Ratio Lower Upper
128 100
127 16.0 10.5 15.7#
129 10.3 8.6 12.8

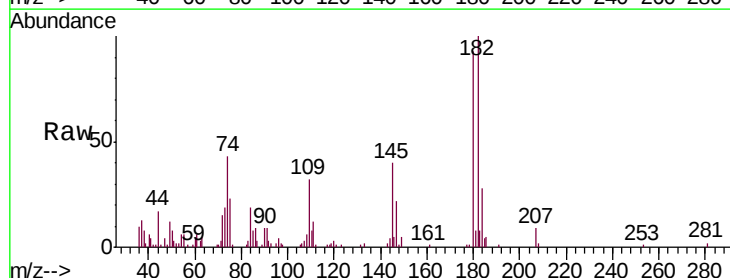


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 1.690 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014995.D
Acq: 14 Feb 2020 14:10

Tgt Ion:180 Resp: 13739
Ion Ratio Lower Upper
180 100
182 98.6 75.2 112.8
145 34.6 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

