

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081622\
 Data File : VD074105.D
 Acq On : 16 Aug 2022 16:54
 Operator : VA/SY
 Sample : N4202-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB10

Quant Time: Aug 16 17:42:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081522S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 01:41:25 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

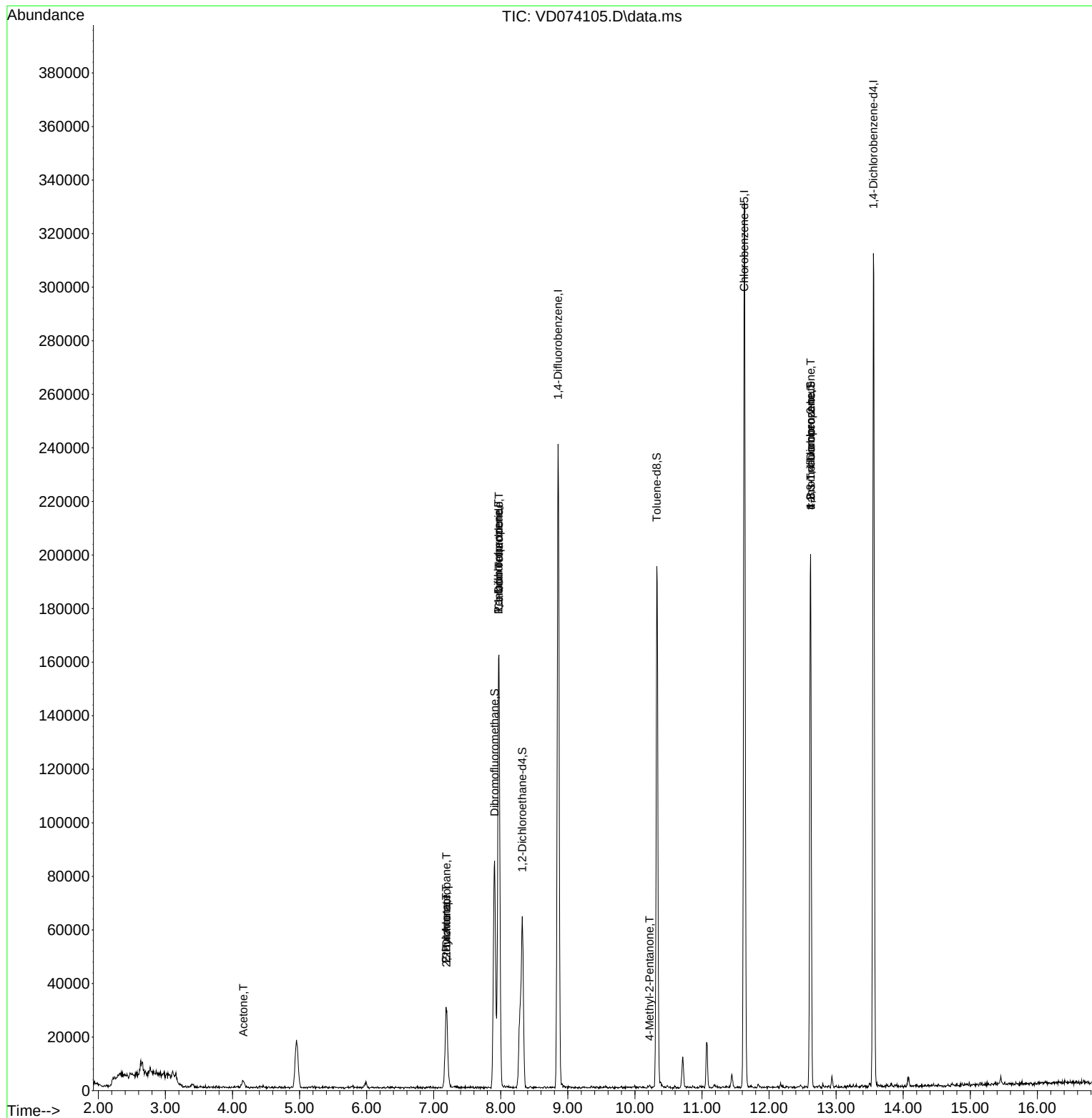
Internal Standards						
1) Pentafluorobenzene	7.967	168	116201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	207979	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	190508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	80631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	47918	56.347	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.700%	
35) Dibromofluoromethane	7.908	113	58210	43.799	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 87.600%	
50) Toluene-d8	10.326	98	130502	32.341	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 64.680%	
62) 4-Bromofluorobenzene	12.620	95	61558	36.943	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 73.880%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	252	Below Cal	#	1
3) Chloromethane	2.209	50	534	Below Cal		97
6) Chloroethane	2.926	64	60	Below Cal	#	42
7) Trichlorofluoromethane	3.273	101	119	Below Cal	#	19
11) Tert butyl alcohol	5.220	59	70	Below Cal	#	74
12) 1,1-Dichloroethene	4.061	96	65	Below Cal	#	40
16) Acetone	4.161	43	4179	8.813	ug/l #	84
17) Carbon Disulfide	4.403	76	305	Below Cal	#	74
18) Methyl Acetate	4.973	43	59	Below Cal	#	55
25) 2-Butanone	7.185	43	909	3.061	ug/l #	52
26) 2,2-Dichloropropane	7.191	77	2242	1.070	ug/l #	54
31) Cyclohexane	7.973	56	3332	Below Cal	#	15
36) 1,1-Dichloropropene	7.967	75	9207	5.080	ug/l #	57
37) Ethyl Acetate	7.185	43	909	1.265	ug/l #	1
38) Carbon Tetrachloride	7.973	117	12613	6.030	ug/l #	17
51) 4-Methyl-2-Pentanone	10.220	43	818	1.211	ug/l #	61
76) 1,2,3-Trichloropropane	12.620	75	32755	45.589	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	32755	127.142	ug/l #	7

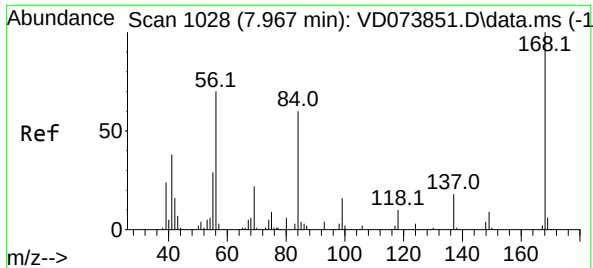
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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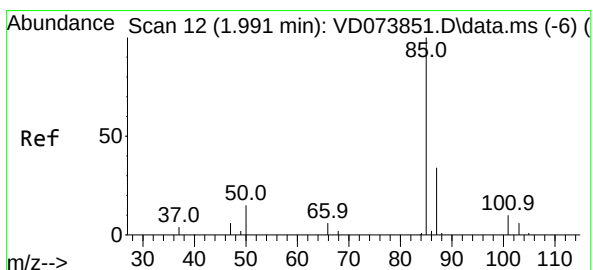
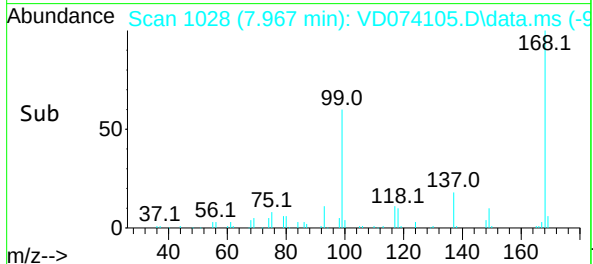
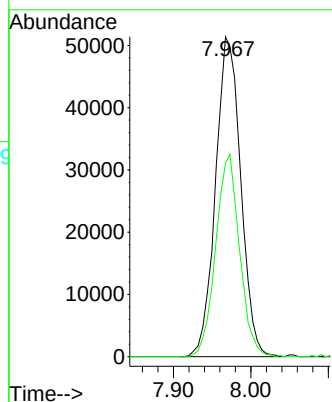
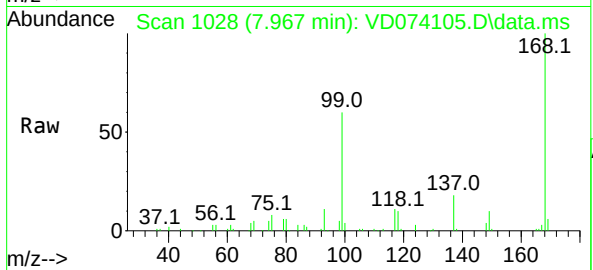




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD074105.D
Acq: 16 Aug 2022 16:54

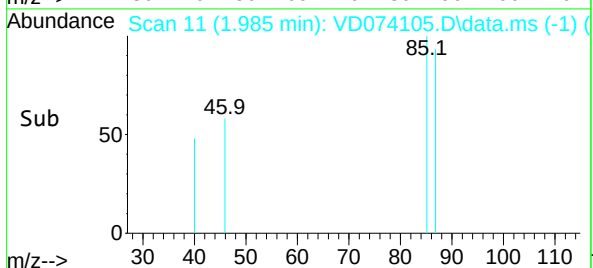
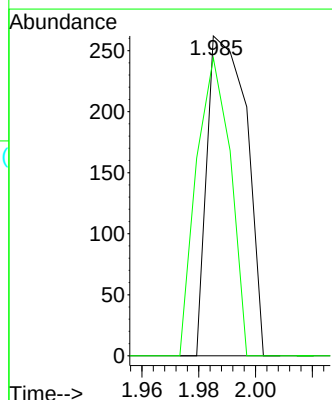
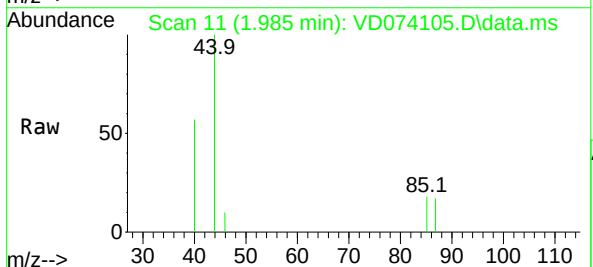
Instrument :
MSVOA_D
ClientSampleId :
SB10

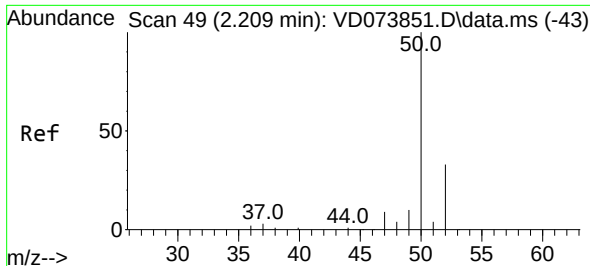
Tgt Ion:168 Resp: 116201
Ion Ratio Lower Upper
168 100
99 60.3 49.8 74.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD074105.D
Acq: 16 Aug 2022 16:54

Tgt Ion: 85 Resp: 252
Ion Ratio Lower Upper
85 100
87 93.1 15.7 47.0#

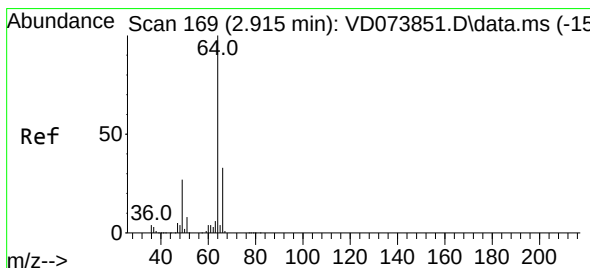
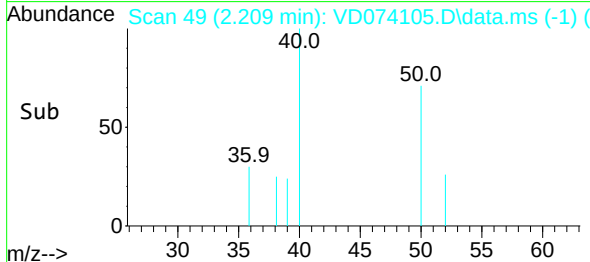
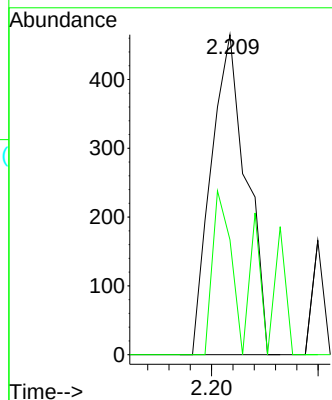
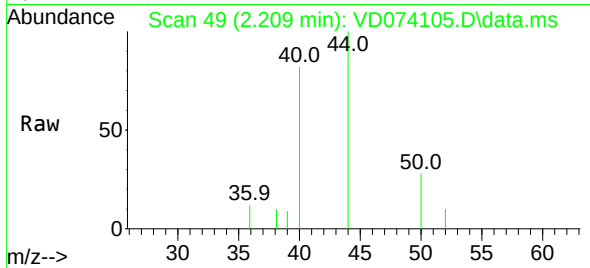




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD074105.D
Acq: 16 Aug 2022 16:54

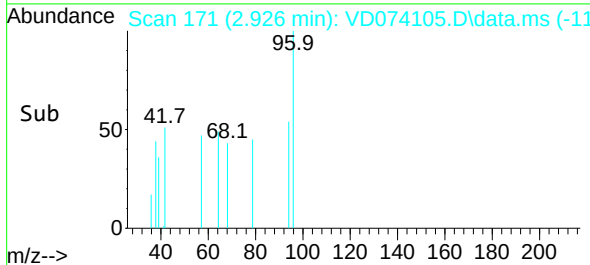
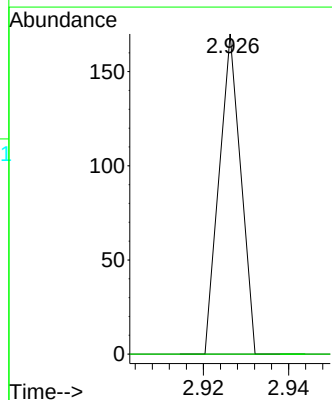
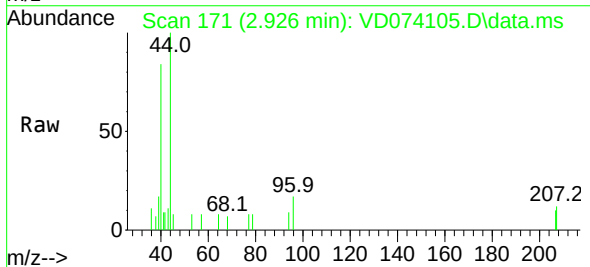
Instrument :
MSVOA_D
ClientSampleId :
SB10

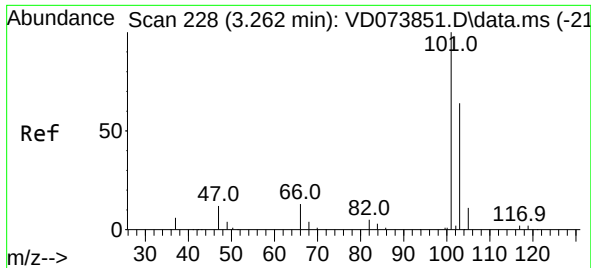
Tgt Ion: 50 Resp: 534
Ion Ratio Lower Upper
50 100
52 35.9 27.4 41.0



#6
Chloroethane
Concen: Below Cal
RT: 2.926 min Scan# 171
Delta R.T. 0.011 min
Lab File: VD074105.D
Acq: 16 Aug 2022 16:54

Tgt Ion: 64 Resp: 60
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#

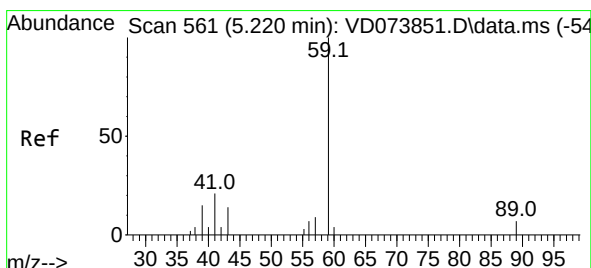
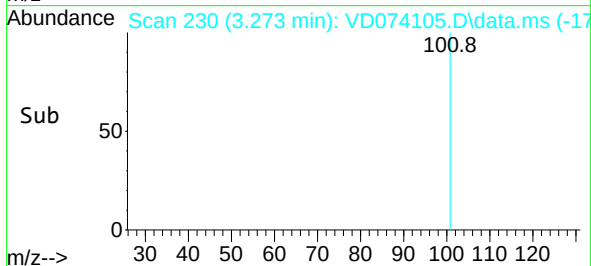
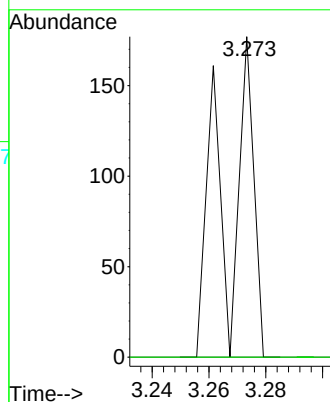
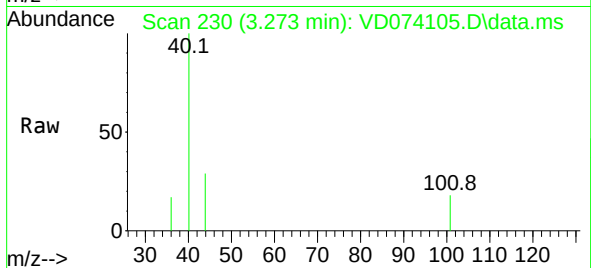




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.273 min Scan# 21
Delta R.T. 0.011 min
Lab File: VD074105.D
Acq: 16 Aug 2022 16:54

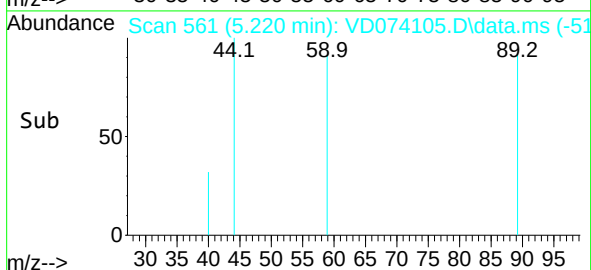
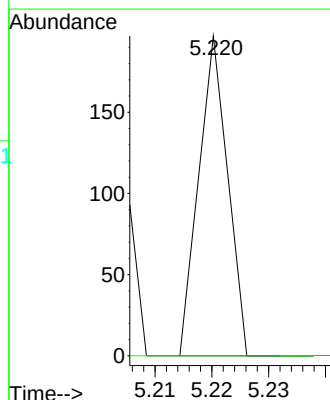
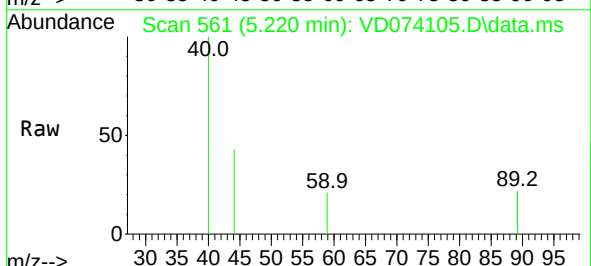
Instrument :
MSVOA_D
ClientSampleId :
SB10

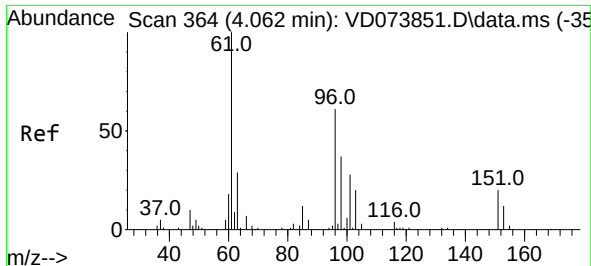
Tgt Ion:101 Resp: 119
Ion Ratio Lower Upper
101 100
103 0.0 50.1 75.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD074105.D
Acq: 16 Aug 2022 16:54

Tgt Ion: 59 Resp: 70
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#12

1,1-Dichloroethene

Concen: Below Cal

RT: 4.061 min Scan# 30

Delta R.T. -0.001 min

Lab File: VD074105.D

Acq: 16 Aug 2022 16:54

Instrument :

MSVOA_D

ClientSampleId :

SB10

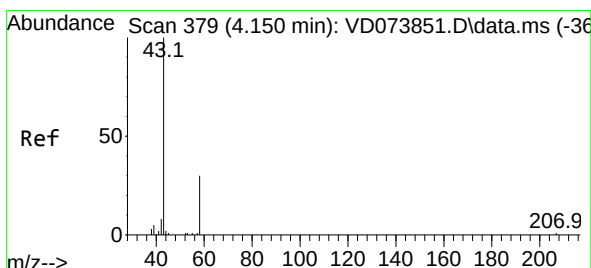
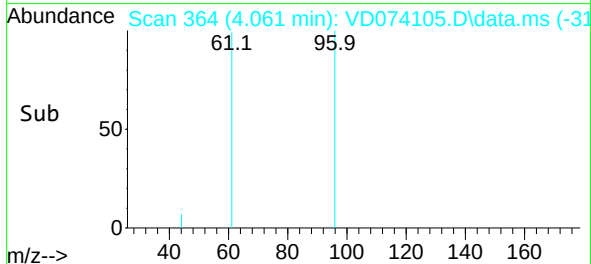
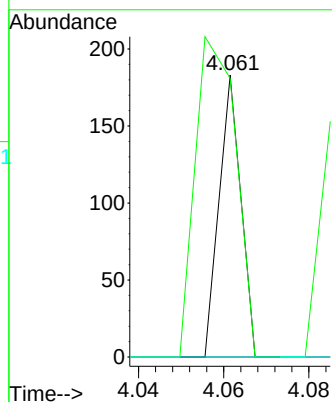
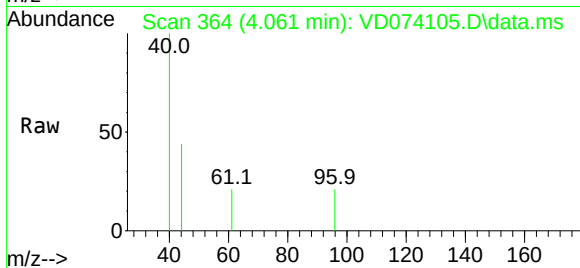
Tgt Ion: 96 Resp: 65

Ion Ratio Lower Upper

96 100

61 98.9 138.5 207.7#

98 0.0 48.6 73.0#



#16

Acetone

Concen: 8.813 ug/l

RT: 4.161 min Scan# 381

Delta R.T. 0.011 min

Lab File: VD074105.D

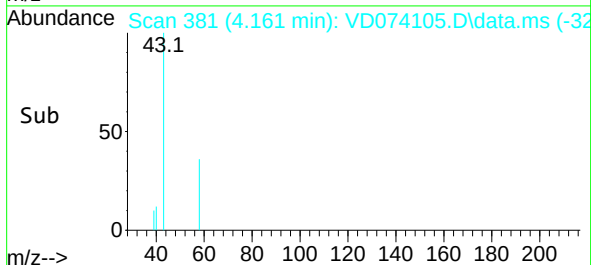
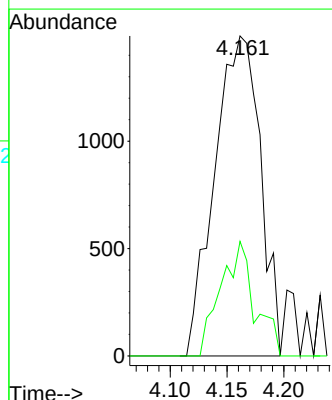
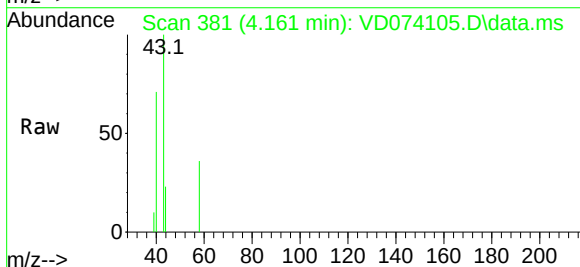
Acq: 16 Aug 2022 16:54

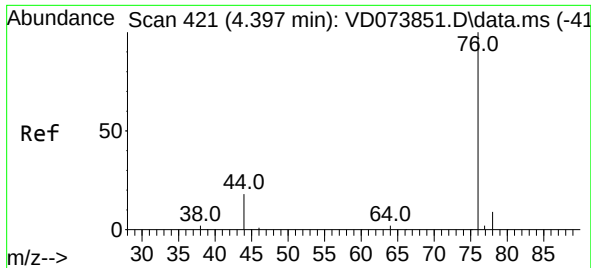
Tgt Ion: 43 Resp: 4179

Ion Ratio Lower Upper

43 100

58 35.8 22.1 33.1#





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.403 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD074105.D

Acq: 16 Aug 2022 16:54

Instrument :

MSVOA_D

ClientSampleId :

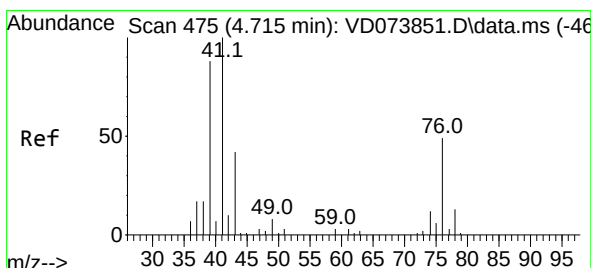
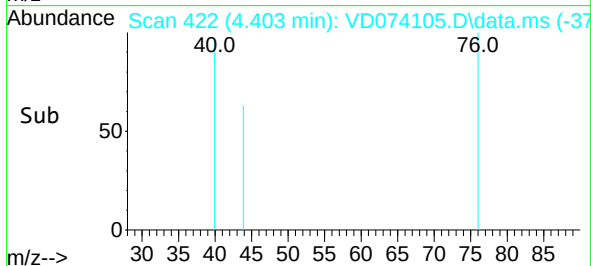
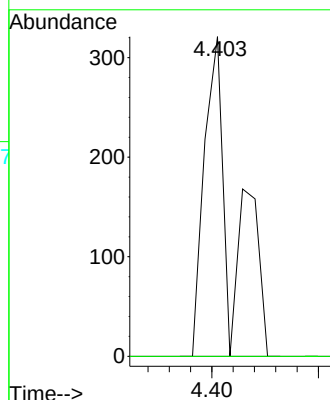
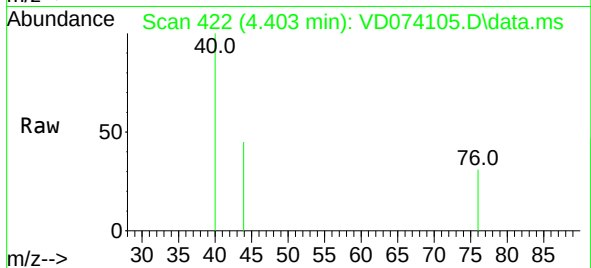
SB10

Tgt Ion: 76 Resp: 305

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.973 min Scan# 519

Delta R.T. 0.258 min

Lab File: VD074105.D

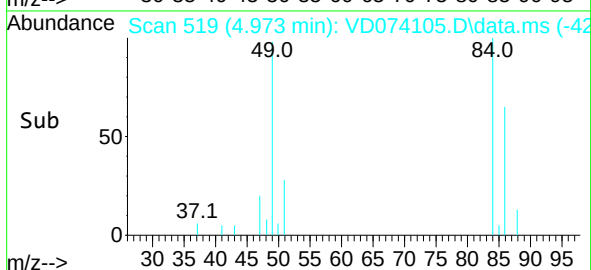
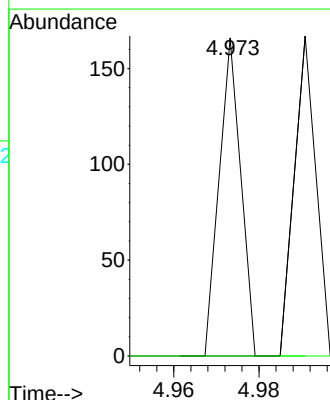
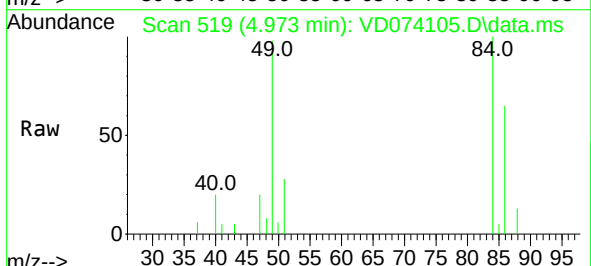
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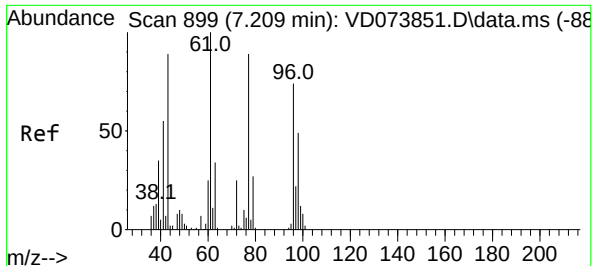
Tgt Ion: 43 Resp: 59

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#





#25

2-Butanone

Concen: 3.061 ug/l

RT: 7.185 min Scan# 899

Delta R.T. -0.024 min

Lab File: VD074105.D

Acq: 16 Aug 2022 16:54

Instrument :

MSVOA_D

ClientSampleId :

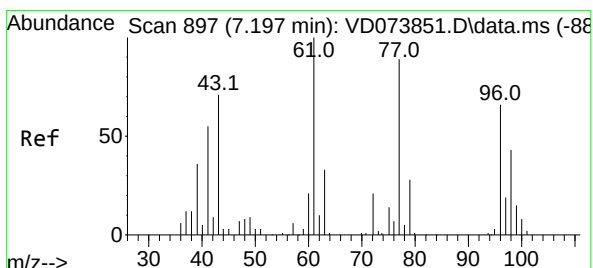
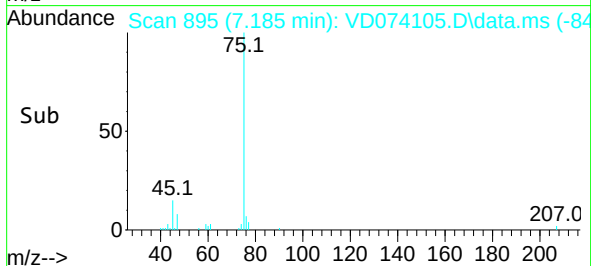
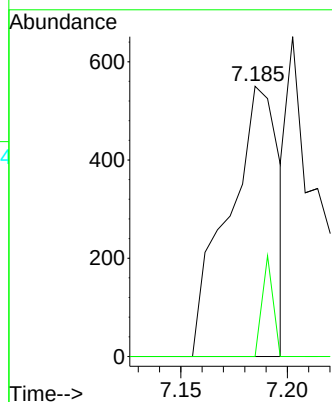
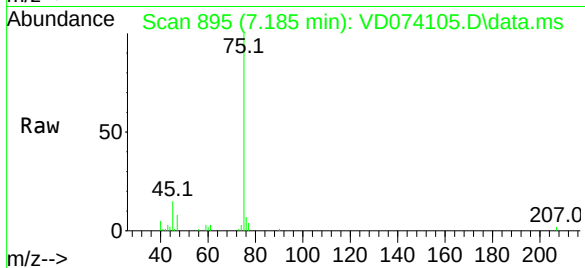
SB10

Tgt Ion: 43 Resp: 909

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#26

2,2-Dichloropropane

Concen: 1.070 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.006 min

Lab File: VD074105.D

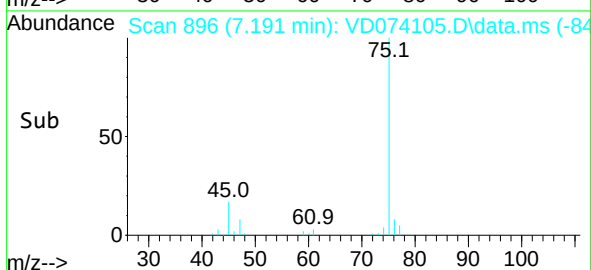
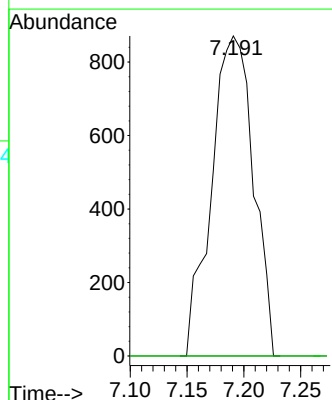
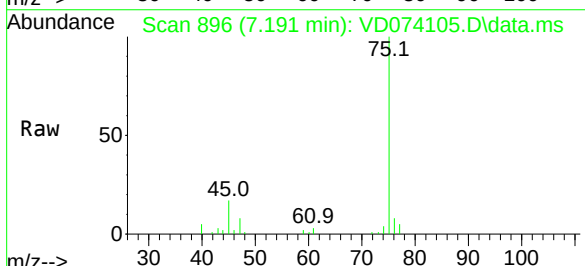
Acq: 16 Aug 2022 16:54

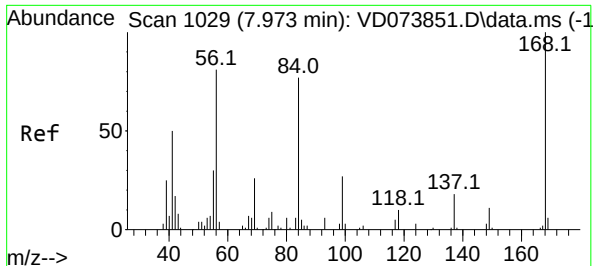
Tgt Ion: 77 Resp: 2242

Ion Ratio Lower Upper

77 100

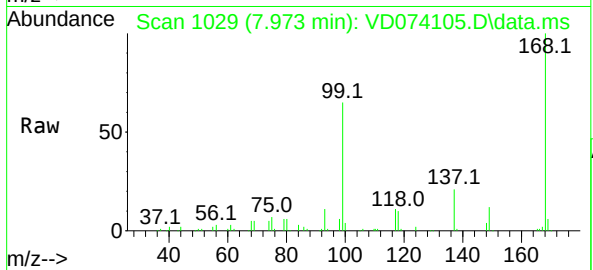
97 0.0 10.8 32.4#



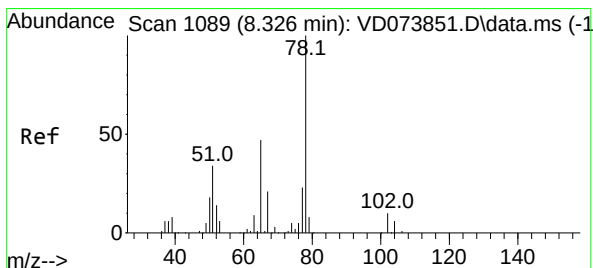
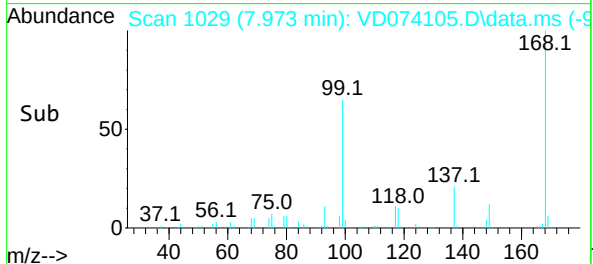
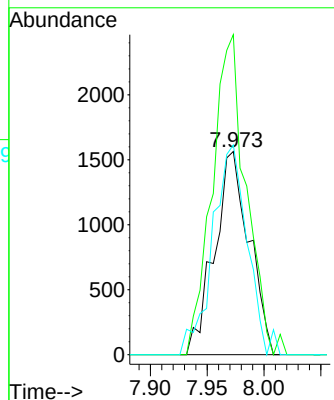


#31
Cyclohexane
Concen: Below Cal
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD074105.D
Acq: 16 Aug 2022 16:54

Instrument :
MSVOA_D
ClientSampleId :
SB10

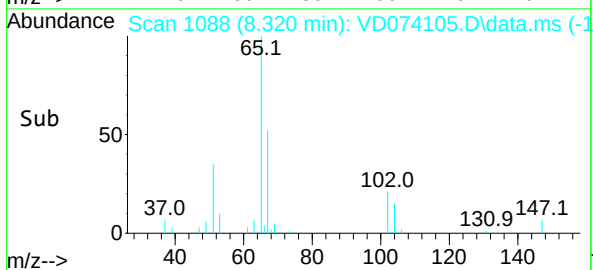
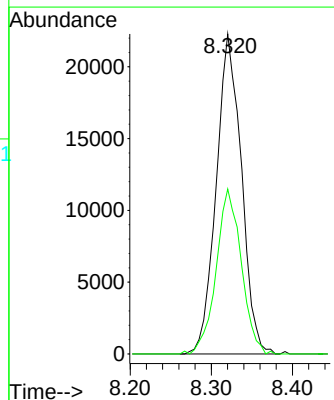
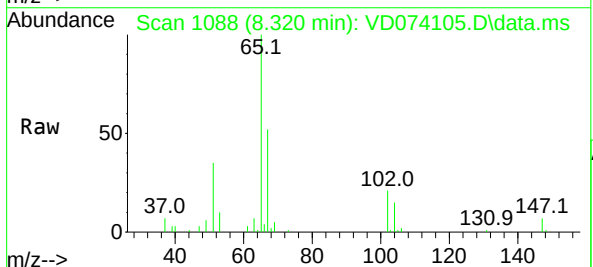


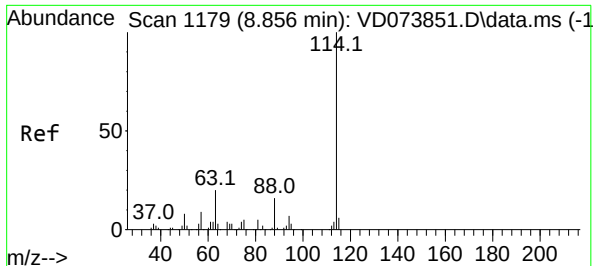
Tgt Ion: 56 Resp: 3332
Ion Ratio Lower Upper
56 100
69 157.5 25.4 38.2#
84 103.3 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 56.347 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD074105.D
Acq: 16 Aug 2022 16:54

Tgt Ion: 65 Resp: 47918
Ion Ratio Lower Upper
65 100
67 51.6 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD074105.D

Acq: 16 Aug 2022 16:54

Instrument :

MSVOA_D

ClientSampleId :

SB10

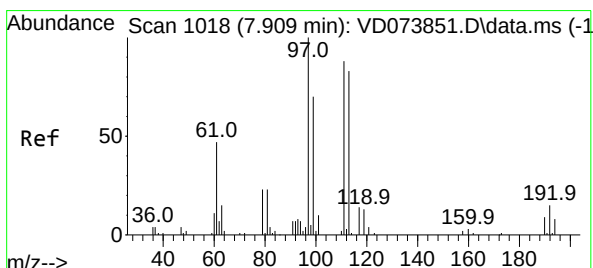
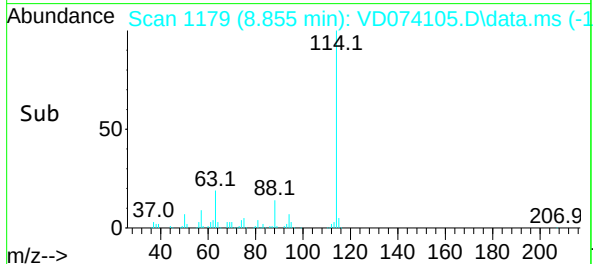
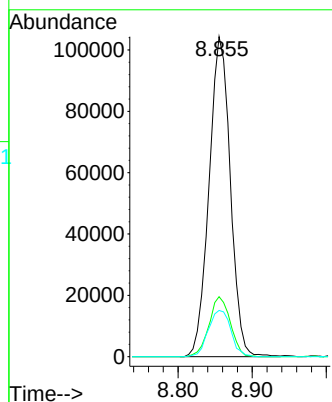
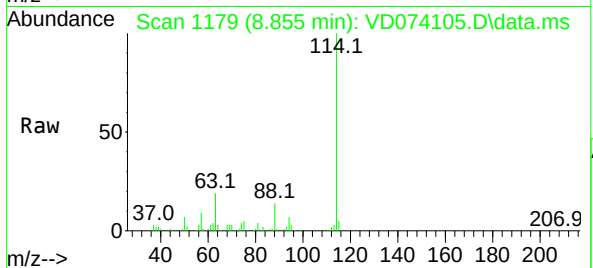
Tgt Ion:114 Resp: 207979

Ion Ratio Lower Upper

114 100

63 18.7 0.0 46.6

88 14.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 43.799 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD074105.D

Acq: 16 Aug 2022 16:54

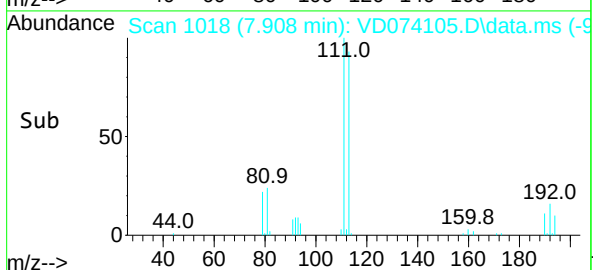
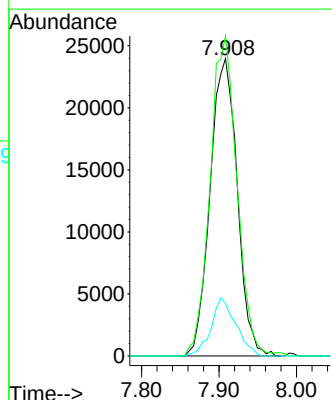
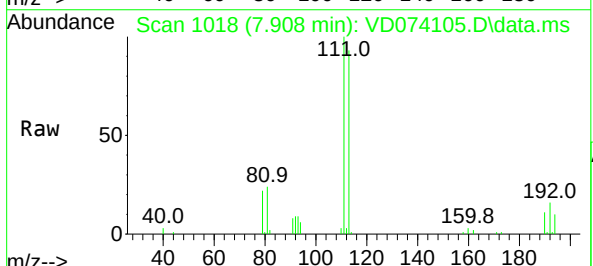
Tgt Ion:113 Resp: 58210

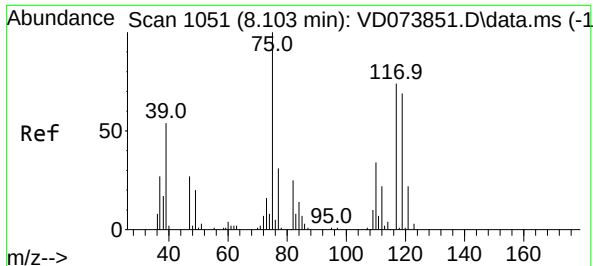
Ion Ratio Lower Upper

113 100

111 106.7 83.8 125.6

192 17.9 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.080 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.136 min

Lab File: VD074105.D

Acq: 16 Aug 2022 16:54

Instrument :

MSVOA_D

ClientSampleId :

SB10

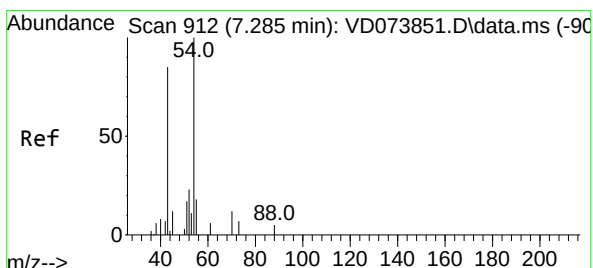
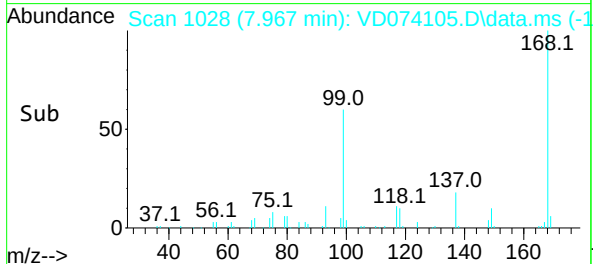
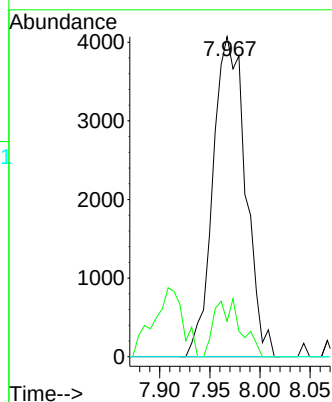
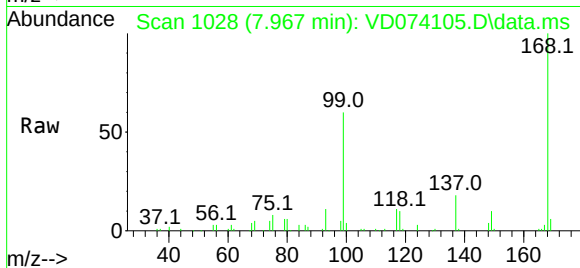
Tgt Ion: 75 Resp: 9207

Ion Ratio Lower Upper

75 100

110 14.5 16.4 49.1#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 1.265 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.100 min

Lab File: VD074105.D

Acq: 16 Aug 2022 16:54

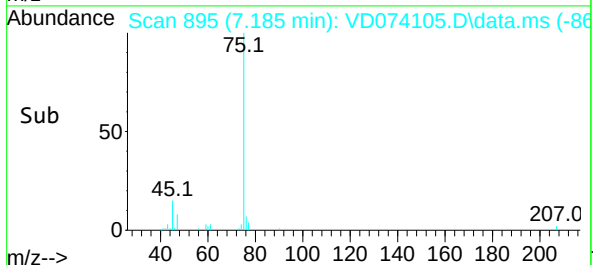
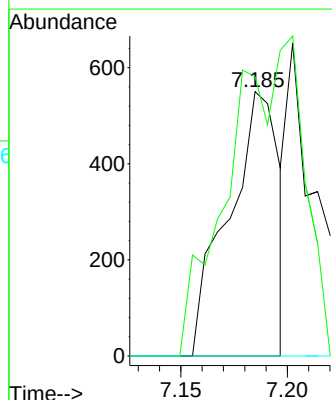
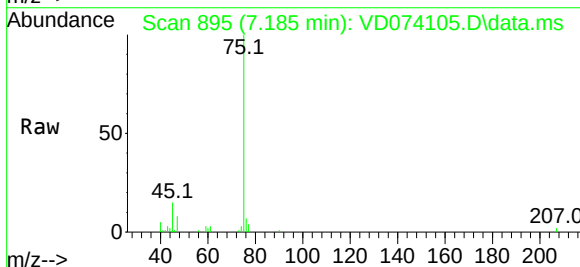
Tgt Ion: 43 Resp: 909

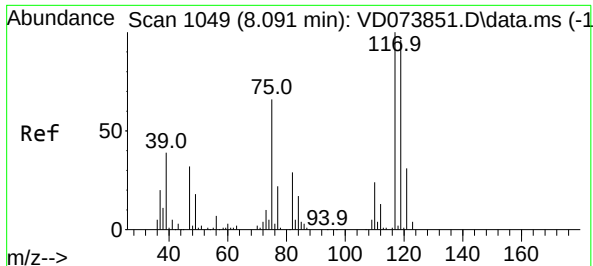
Ion Ratio Lower Upper

43 100

61 103.7 9.8 14.8#

70 0.0 6.9 10.3#





#38

Carbon Tetrachloride

Concen: 6.030 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD074105.D

Acq: 16 Aug 2022 16:54

Instrument :

MSVOA_D

ClientSampleId :

SB10

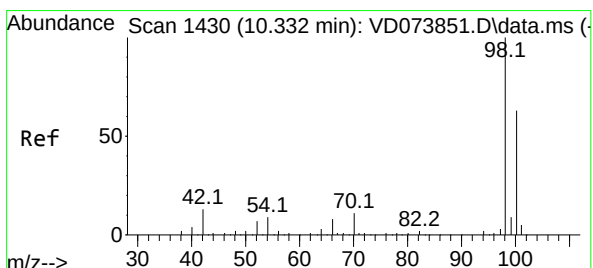
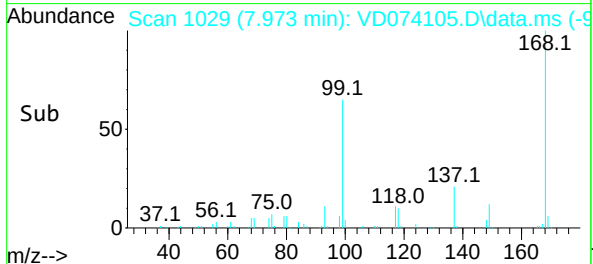
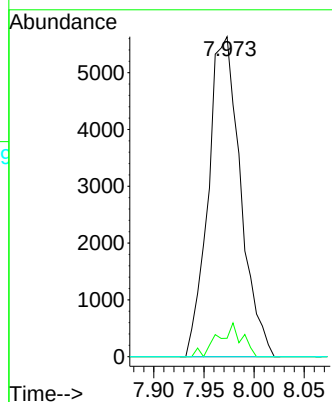
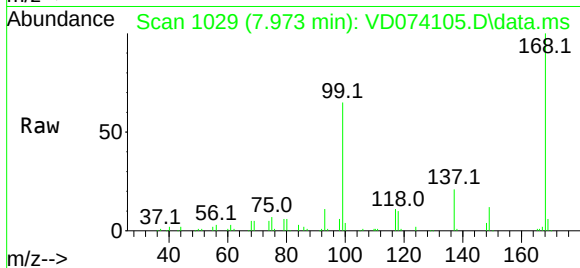
Tgt Ion:117 Resp: 12613

Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.6#

121 0.0 24.5 36.7#



#50

Toluene-d8

Concen: 32.341 ug/l

RT: 10.326 min Scan# 1429

Delta R.T. -0.006 min

Lab File: VD074105.D

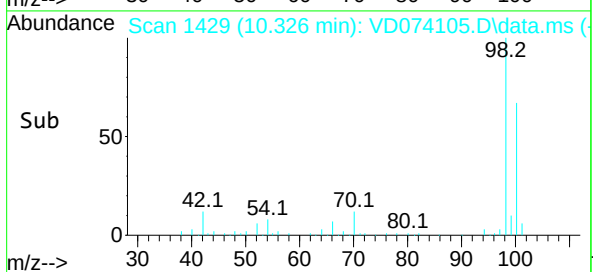
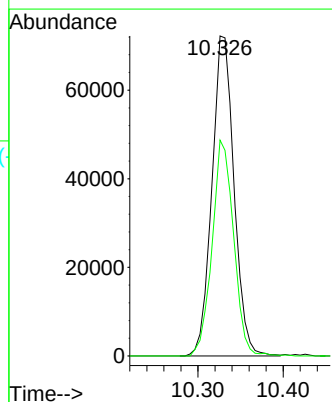
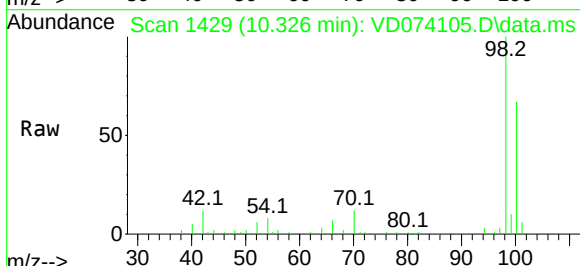
Acq: 16 Aug 2022 16:54

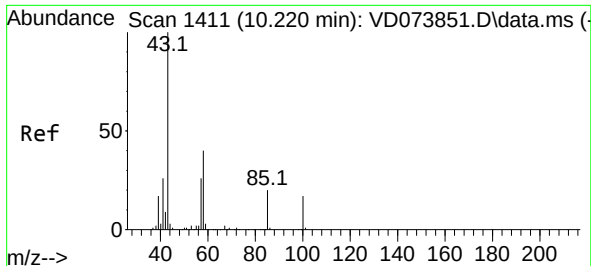
Tgt Ion: 98 Resp: 130502

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6

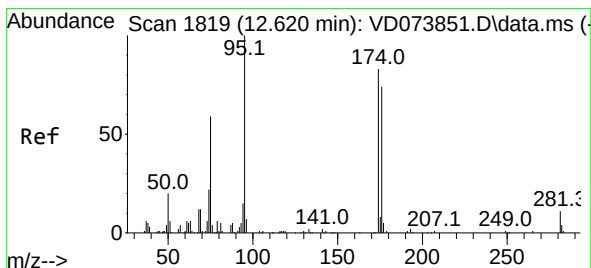
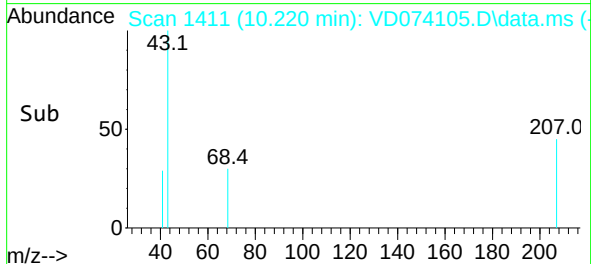
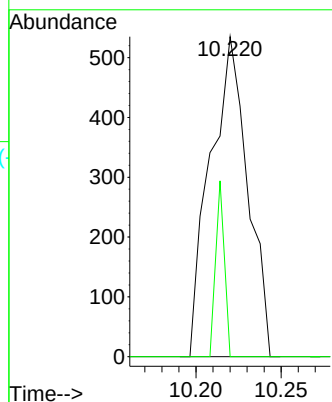
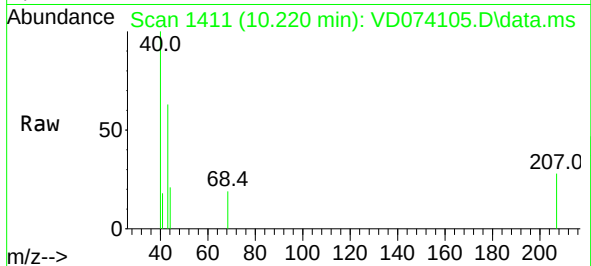




#51
4-Methyl-2-Pentanone
Concen: 1.211 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.000 min
Lab File: VD074105.D
Acq: 16 Aug 2022 16:54

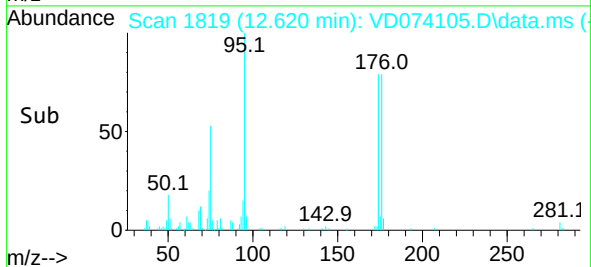
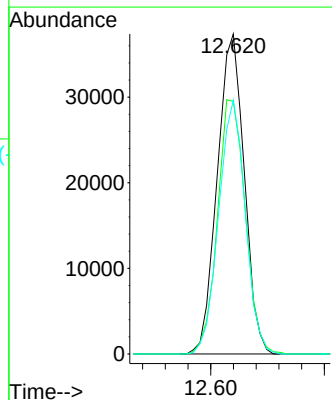
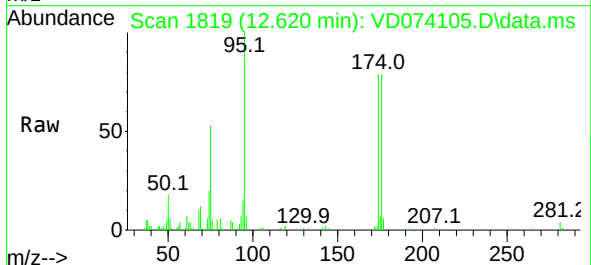
Instrument :
MSVOA_D
ClientSampleId :
SB10

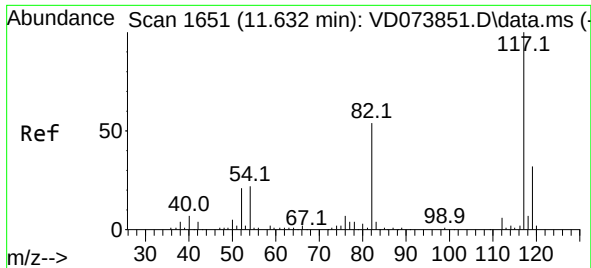
Tgt Ion: 43 Resp: 818
Ion Ratio Lower Upper
43 100
58 12.7 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 36.943 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD074105.D
Acq: 16 Aug 2022 16:54

Tgt Ion: 95 Resp: 61558
Ion Ratio Lower Upper
95 100
174 82.0 0.0 152.8
176 78.3 0.0 145.4

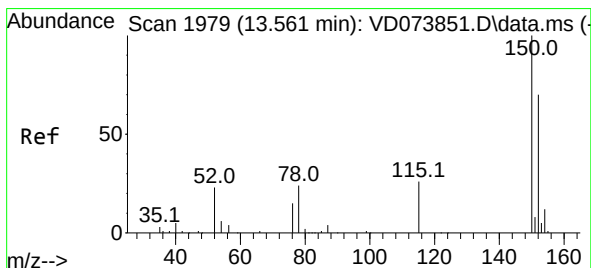
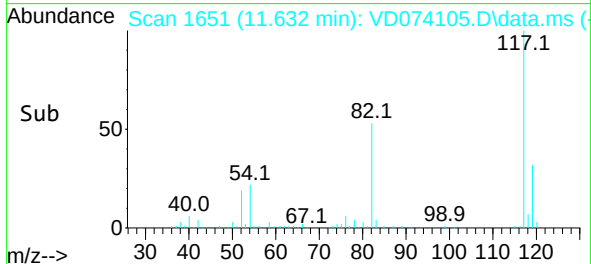
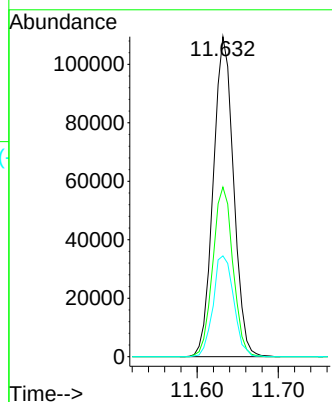
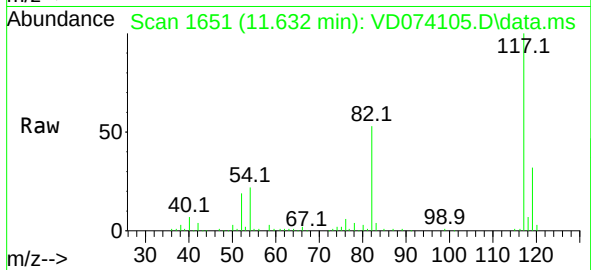




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD074105.D
Acq: 16 Aug 2022 16:54

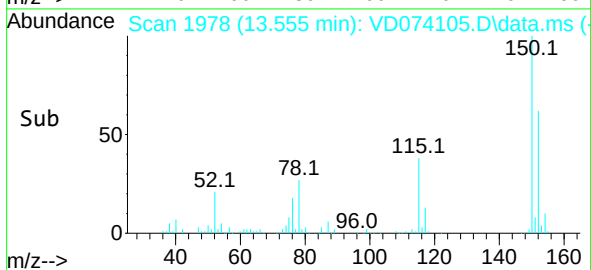
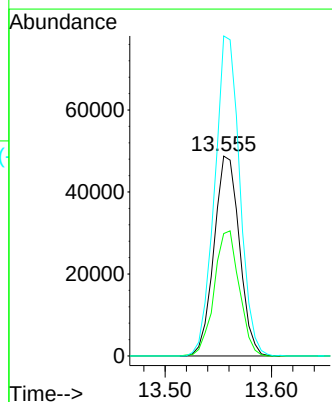
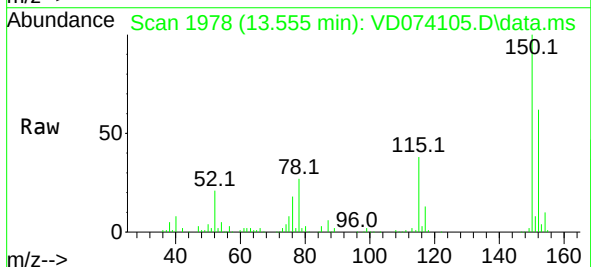
Instrument :
MSVOA_D
ClientSampleId :
SB10

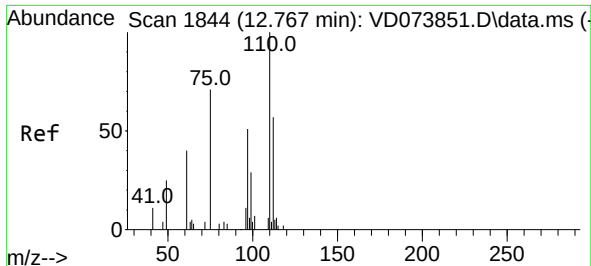
Tgt Ion:117 Resp: 190508
Ion Ratio Lower Upper
117 100
82 53.0 45.3 67.9
119 31.5 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1978
Delta R.T. -0.006 min
Lab File: VD074105.D
Acq: 16 Aug 2022 16:54

Tgt Ion:152 Resp: 80631
Ion Ratio Lower Upper
152 100
115 61.8 31.3 93.8
150 158.2 0.0 348.6

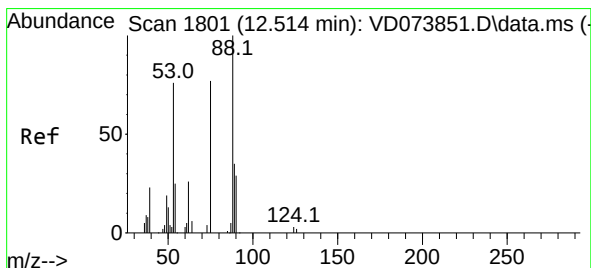
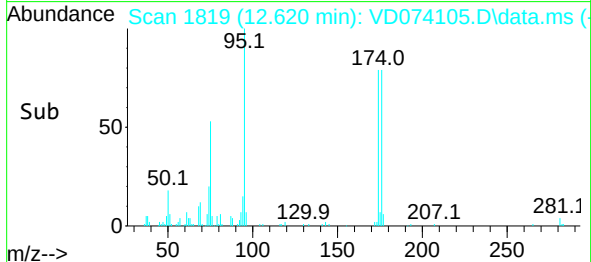
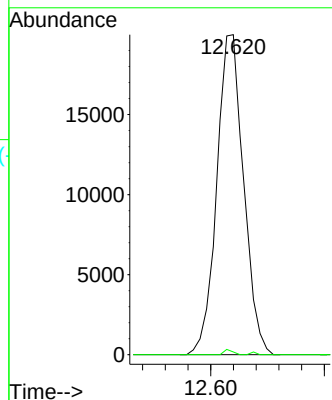
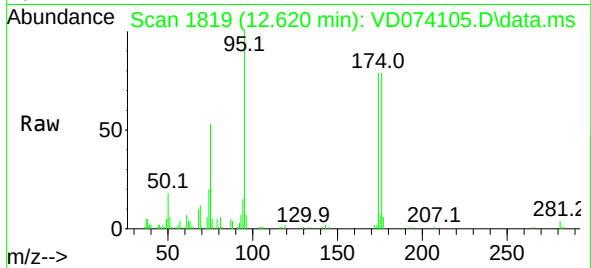




#76
1,2,3-Trichloropropane
Concen: 45.589 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD074105.D
Acq: 16 Aug 2022 16:54

Instrument :
MSVOA_D
ClientSampleId :
SB10

Tgt Ion: 75 Resp: 32755
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.142 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD074105.D
Acq: 16 Aug 2022 16:54

Tgt Ion: 75 Resp: 32755
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

