

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081622\
 Data File : VD074106.D
 Acq On : 16 Aug 2022 17:23
 Operator : VA/SY
 Sample : N4202-03
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB08

Quant Time: Aug 16 17:42:49 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)

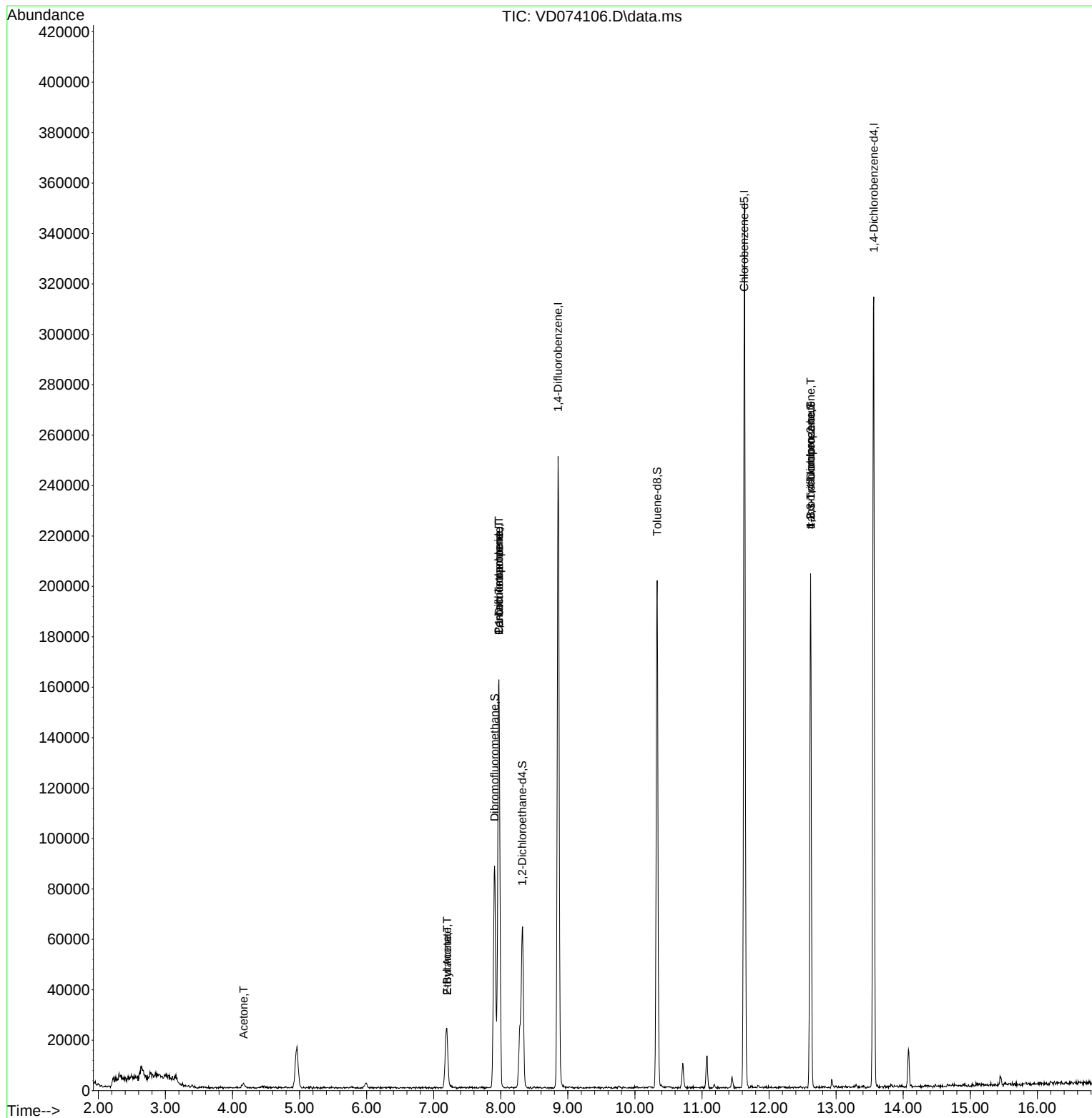
Internal Standards						
1) Pentafluorobenzene	7.973	168	118016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	210844	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	193862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	84727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	47158	54.324	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.640%	
35) Dibromofluoromethane	7.908	113	60696	45.049	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.100%	
50) Toluene-d8	10.332	98	138381	33.828	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 67.660%	
62) 4-Bromofluorobenzene	12.620	95	62001	36.703	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 73.400%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.997	85	377	Below Cal	#	43
3) Chloromethane	2.209	50	518	Below Cal	#	73
6) Chloroethane	2.885	64	56	Below Cal	#	42
11) Tert butyl alcohol	5.208	59	209	Below Cal	#	74
16) Acetone	4.167	43	2834	2.160	ug/l #	69
18) Methyl Acetate	4.485	43	174	Below Cal	#	55
20) Methylene Chloride	4.956	84	12139	Below Cal		88
25) 2-Butanone	7.202	43	1795	5.951	ug/l #	52
31) Cyclohexane	7.967	56	3128	Below Cal	#	42
36) 1,1-Dichloropropene	7.973	75	10398	5.659	ug/l #	54
37) Ethyl Acetate	7.202	43	1795	2.463	ug/l #	5
38) Carbon Tetrachloride	7.973	117	12717	5.997	ug/l #	15
76) 1,2,3-Trichloropropane	12.620	75	34150	45.233	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	34150	126.149	ug/l #	7

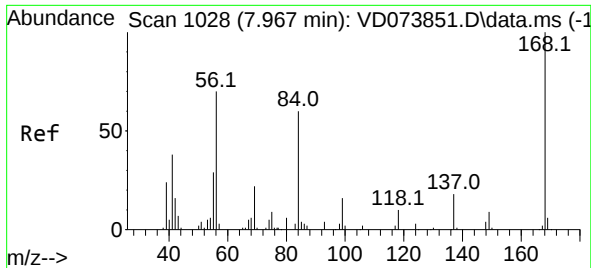
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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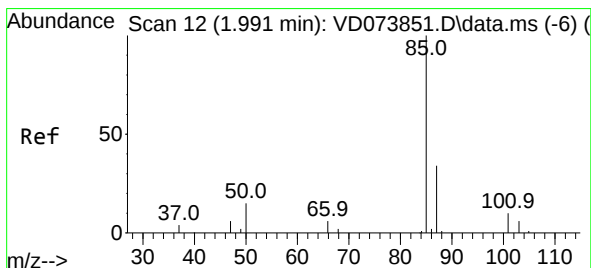
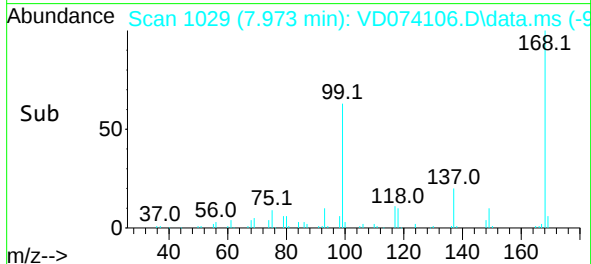
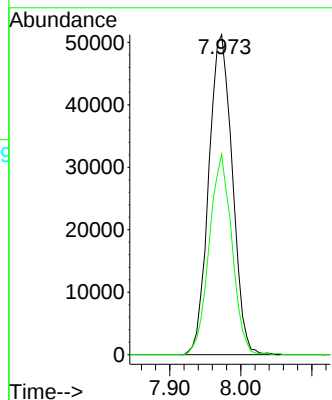
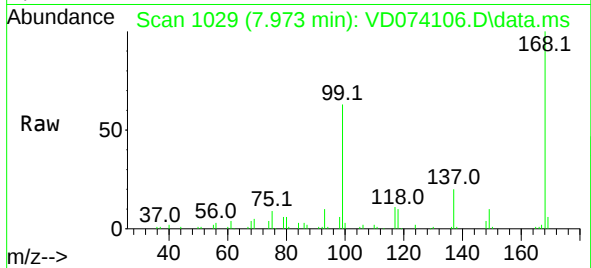




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD074106.D
Acq: 16 Aug 2022 17:23

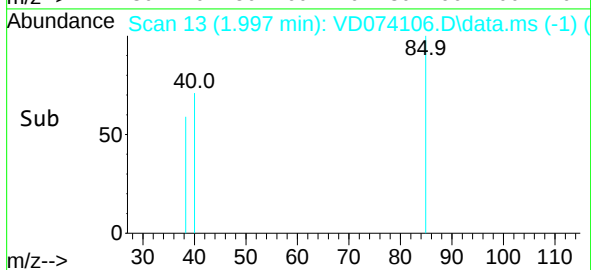
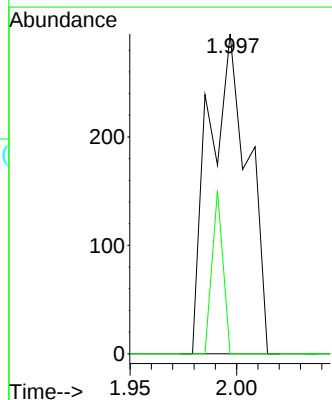
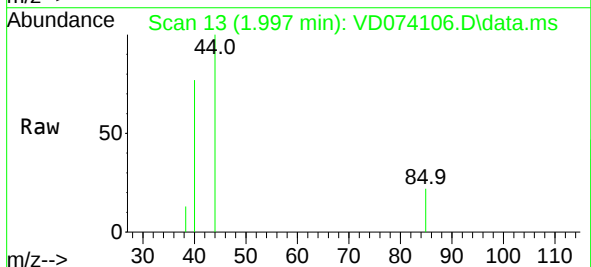
Instrument :
MSVOA_D
ClientSampleId :
SB08

Tgt Ion:168 Resp: 118016
Ion Ratio Lower Upper
168 100
99 62.6 49.8 74.6

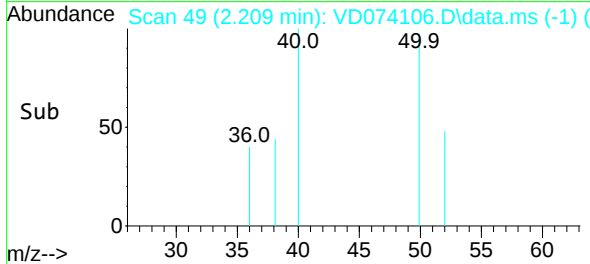
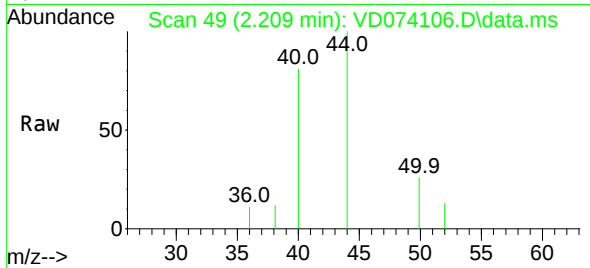
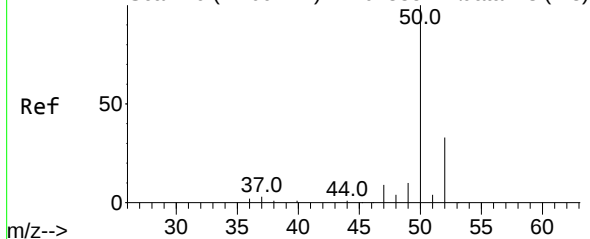


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.997 min Scan# 13
Delta R.T. 0.006 min
Lab File: VD074106.D
Acq: 16 Aug 2022 17:23

Tgt Ion: 85 Resp: 377
Ion Ratio Lower Upper
85 100
87 0.0 15.7 47.0#



Abundance Scan 49 (2.209 min): VD073851.D\data.ms (-43)



#3

Chloromethane

Concen: Below Cal

RT: 2.209 min Scan# 49

Delta R.T. -0.000 min

Lab File: VD074106.D

Acq: 16 Aug 2022 17:23

Instrument :

MSVOA_D

ClientSampleId :

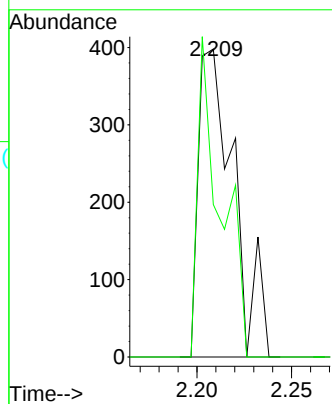
SB08

Tgt Ion: 50 Resp: 518

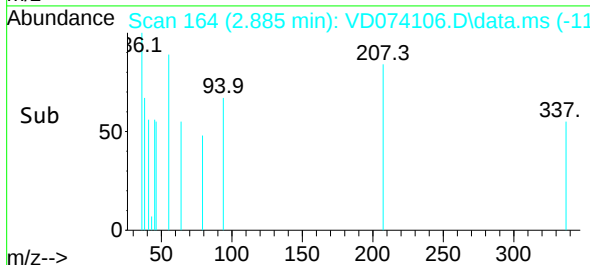
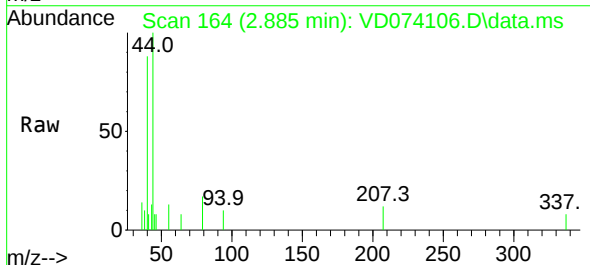
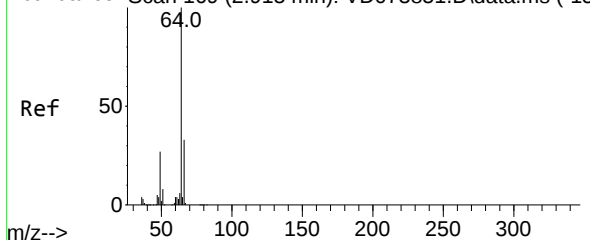
Ion Ratio Lower Upper

50 100

52 49.5 27.4 41.0#



Abundance Scan 169 (2.915 min): VD073851.D\data.ms (-15)



#6

Chloroethane

Concen: Below Cal

RT: 2.885 min Scan# 164

Delta R.T. -0.030 min

Lab File: VD074106.D

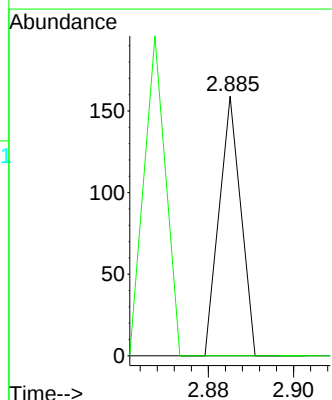
Acq: 16 Aug 2022 17:23

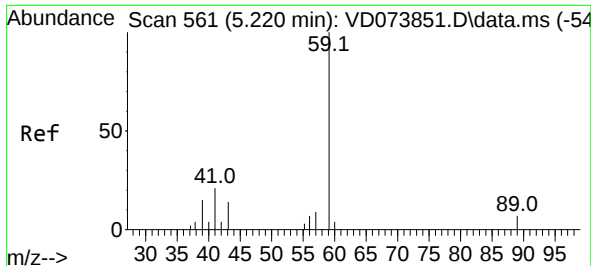
Tgt Ion: 64 Resp: 56

Ion Ratio Lower Upper

64 100

66 0.0 25.9 38.9#

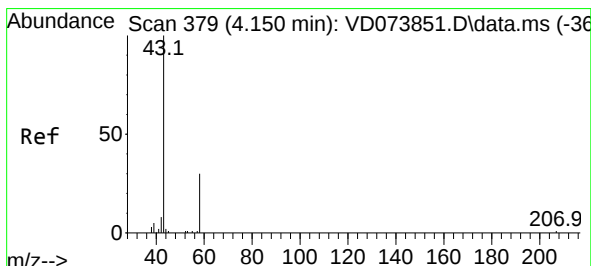
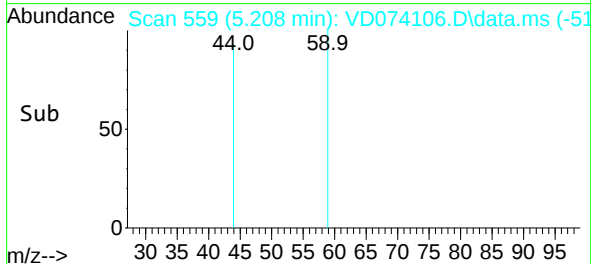
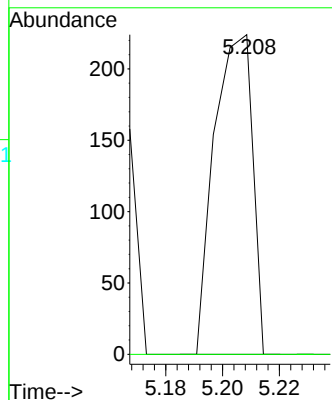
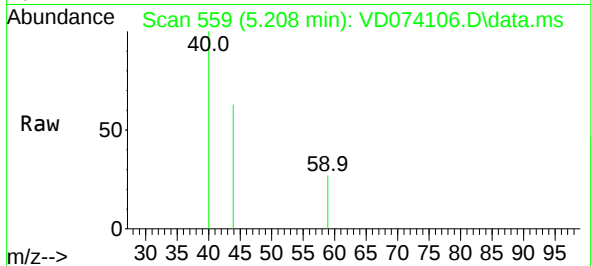




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.208 min Scan# 51
Delta R.T. -0.011 min
Lab File: VD074106.D
Acq: 16 Aug 2022 17:23

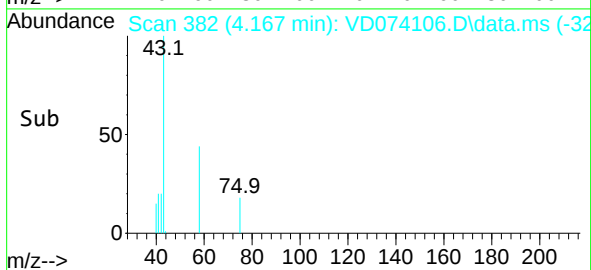
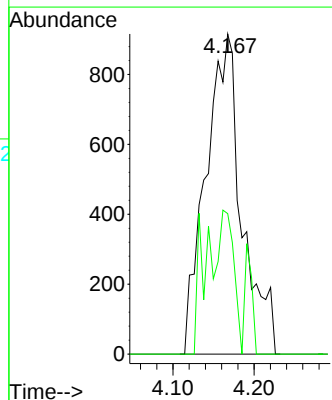
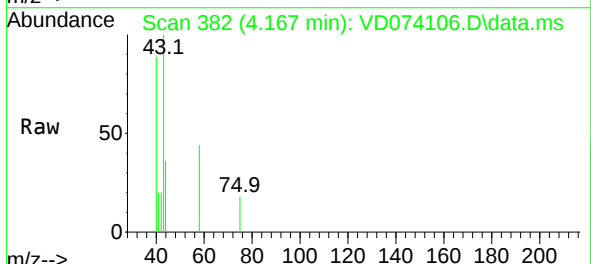
Instrument :
MSVOA_D
ClientSampleId :
SB08

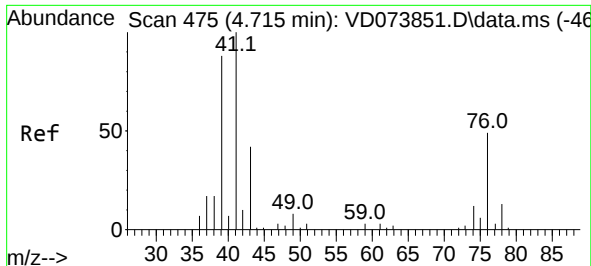
Tgt Ion: 59 Resp: 209
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 2.160 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.017 min
Lab File: VD074106.D
Acq: 16 Aug 2022 17:23

Tgt Ion: 43 Resp: 2834
Ion Ratio Lower Upper
43 100
58 43.9 22.1 33.1#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.485 min Scan# 41

Delta R.T. -0.230 min

Lab File: VD074106.D

Acq: 16 Aug 2022 17:23

Instrument :

MSVOA_D

ClientSampleId :

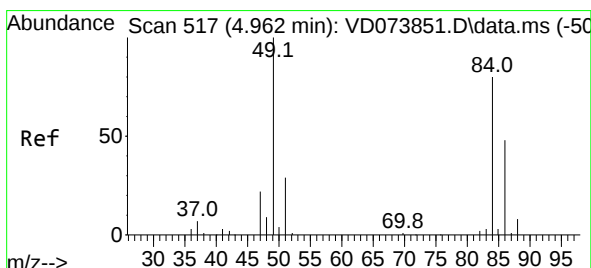
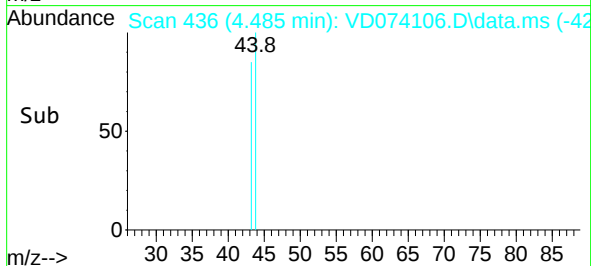
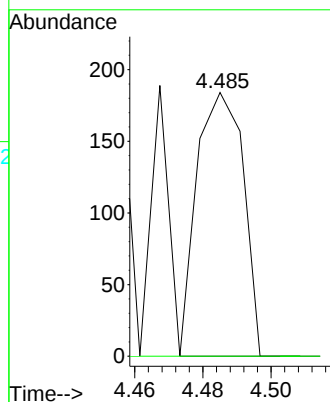
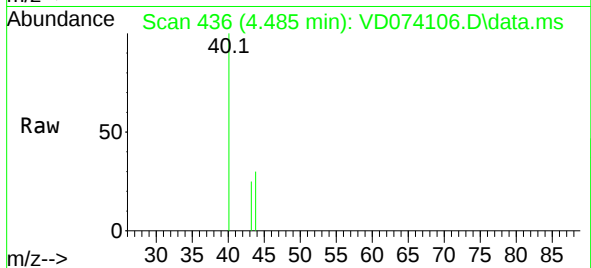
SB08

Tgt Ion: 43 Resp: 174

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.956 min Scan# 516

Delta R.T. -0.006 min

Lab File: VD074106.D

Acq: 16 Aug 2022 17:23

Tgt Ion: 84 Resp: 12139

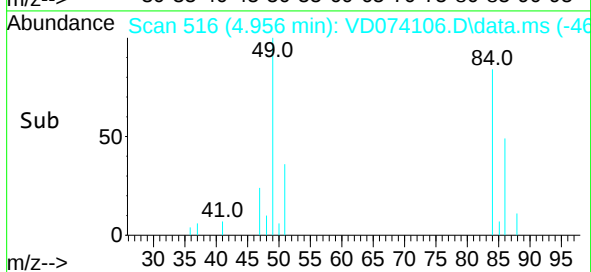
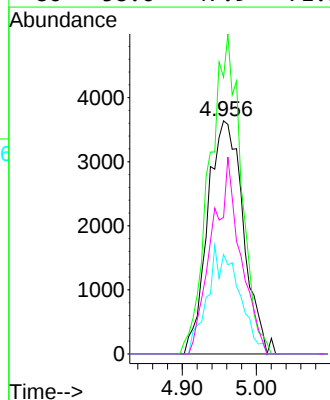
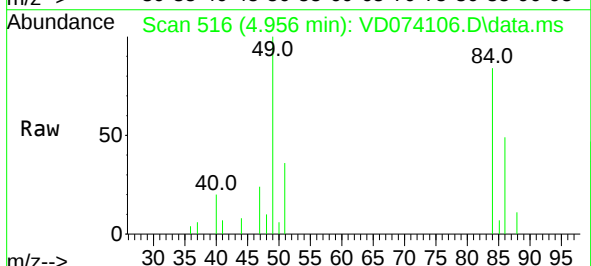
Ion Ratio Lower Upper

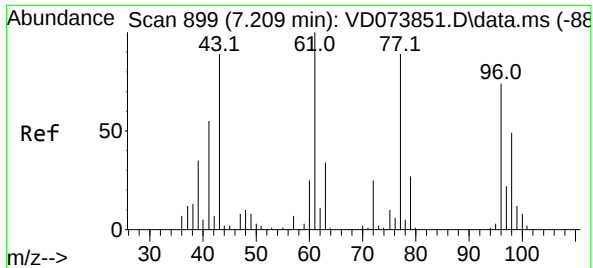
84 100

49 118.7 112.8 169.2

51 42.6 32.6 48.8

86 58.6 47.9 71.9

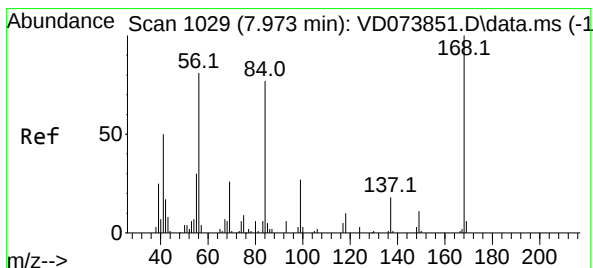
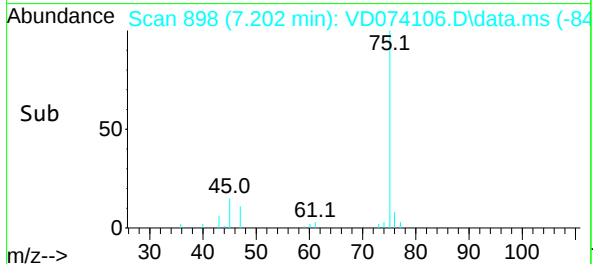
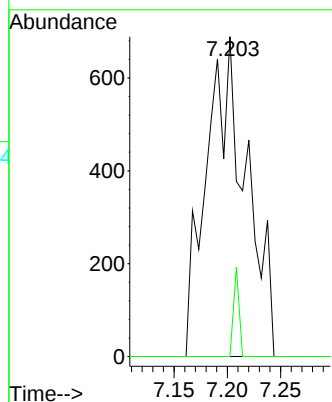
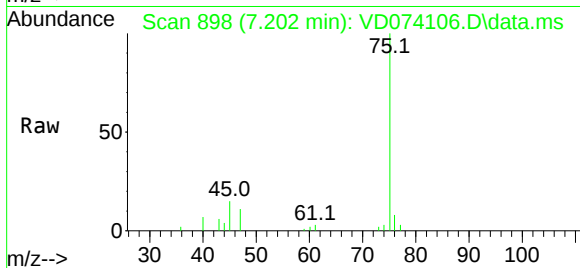




#25
2-Butanone
Concen: 5.951 ug/l
RT: 7.202 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD074106.D
Acq: 16 Aug 2022 17:23

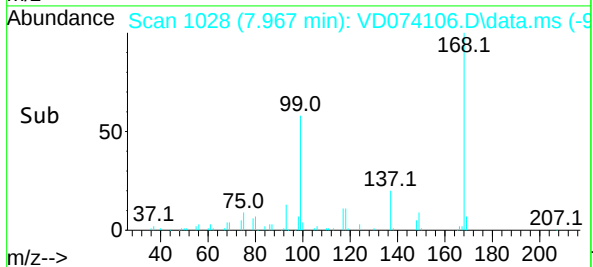
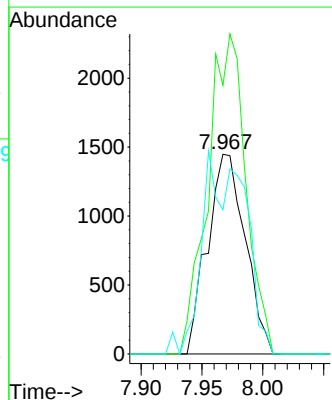
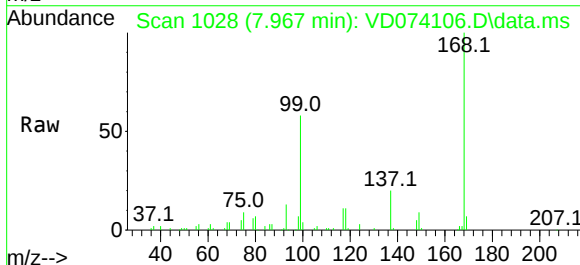
Instrument :
MSVOA_D
ClientSampleId :
SB08

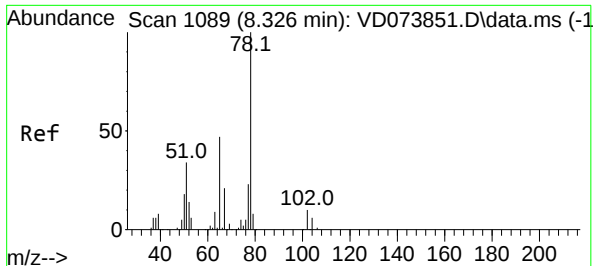
Tgt Ion: 43 Resp: 1795
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: Below Cal
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD074106.D
Acq: 16 Aug 2022 17:23

Tgt Ion: 56 Resp: 3128
Ion Ratio Lower Upper
56 100
69 134.6 25.4 38.2#
84 72.2 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 54.324 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. -0.006 min

Lab File: VD074106.D

Acq: 16 Aug 2022 17:23

Instrument :

MSVOA_D

ClientSampleId :

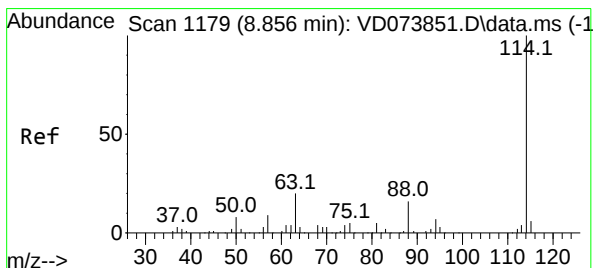
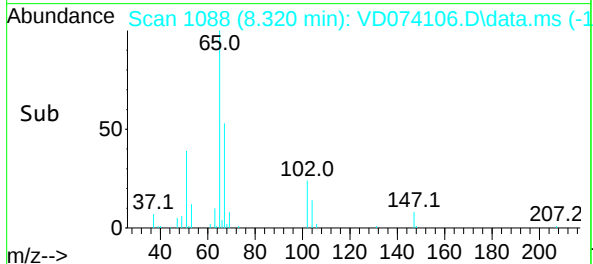
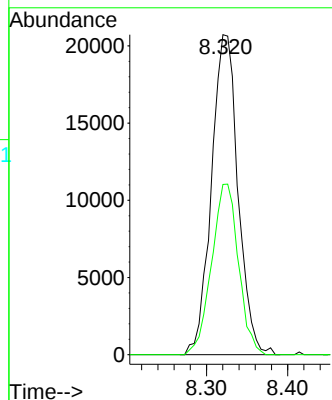
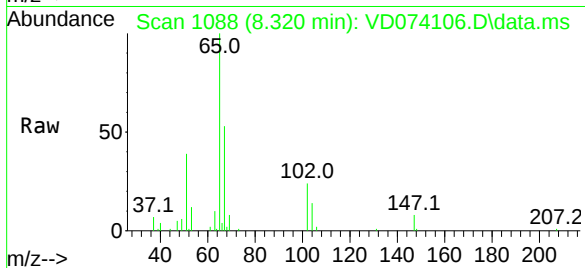
SB08

Tgt Ion: 65 Resp: 47158

Ion Ratio Lower Upper

65 100

67 53.7 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: VD074106.D

Acq: 16 Aug 2022 17:23

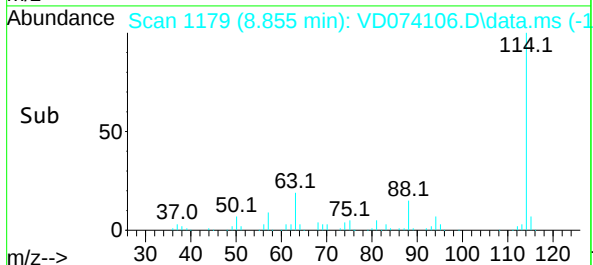
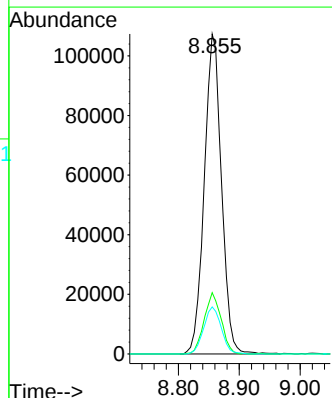
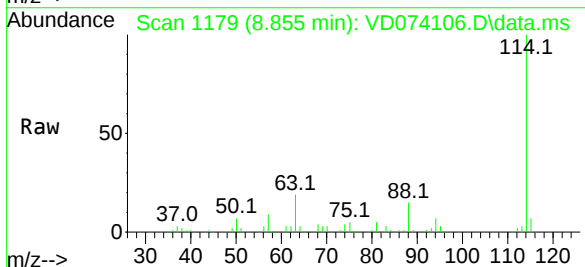
Tgt Ion: 114 Resp: 210844

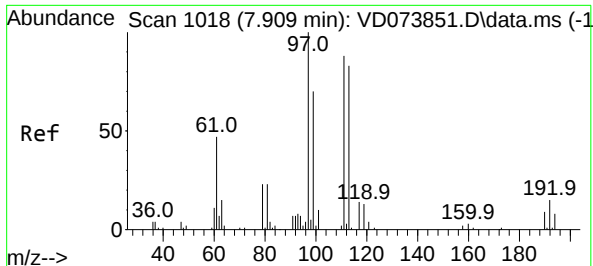
Ion Ratio Lower Upper

114 100

63 19.1 0.0 46.6

88 14.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 45.049 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD074106.D

Acq: 16 Aug 2022 17:23

Instrument :

MSVOA_D

ClientSampleId :

SB08

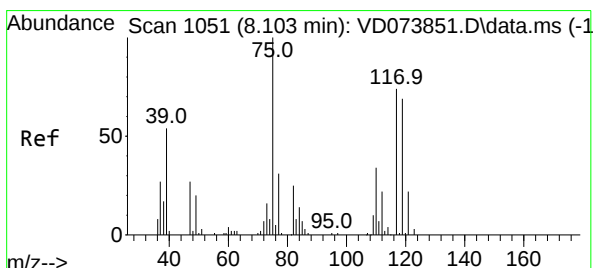
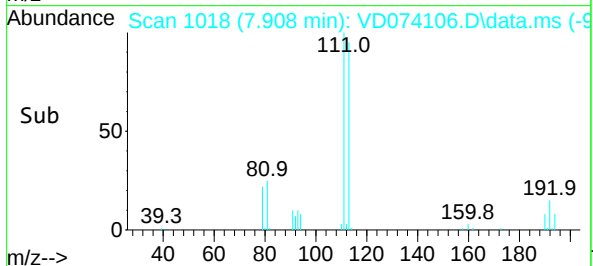
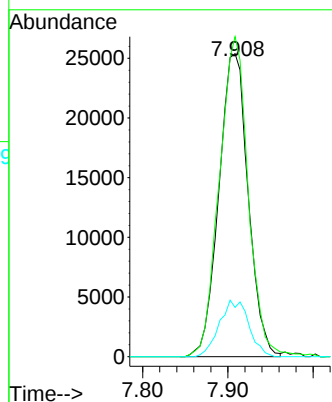
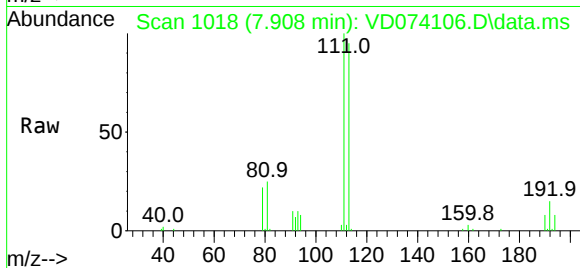
Tgt Ion:113 Resp: 60696

Ion Ratio Lower Upper

113 100

111 104.3 83.8 125.6

192 18.7 14.6 21.8



#36

1,1-Dichloropropene

Concen: 5.659 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VD074106.D

Acq: 16 Aug 2022 17:23

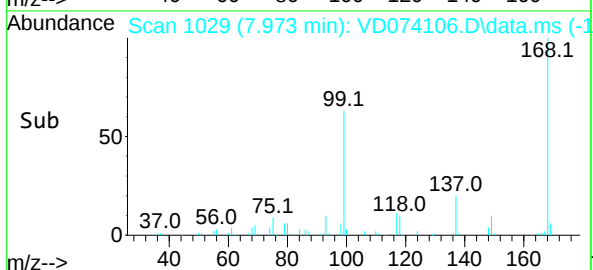
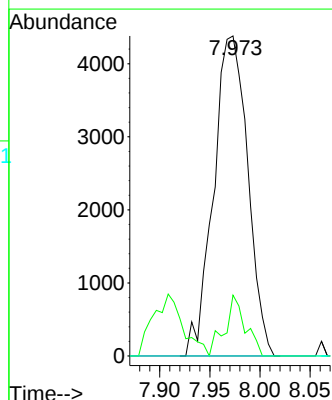
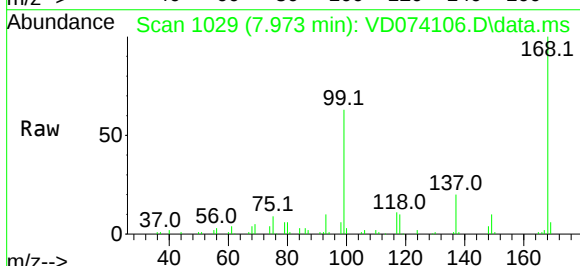
Tgt Ion: 75 Resp: 10398

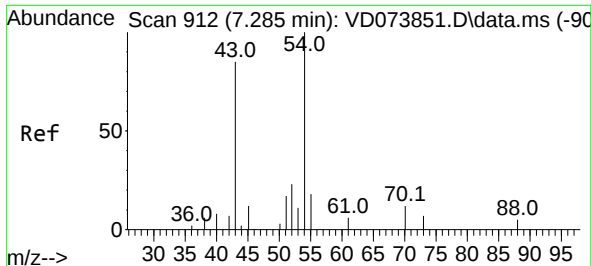
Ion Ratio Lower Upper

75 100

110 11.4 16.4 49.1#

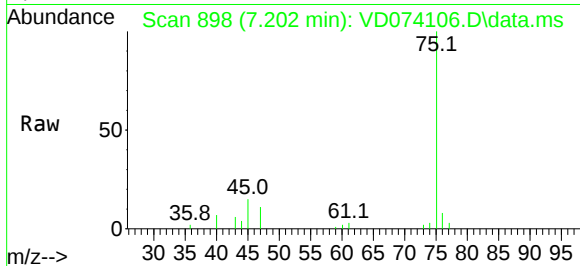
77 0.0 24.2 36.2#



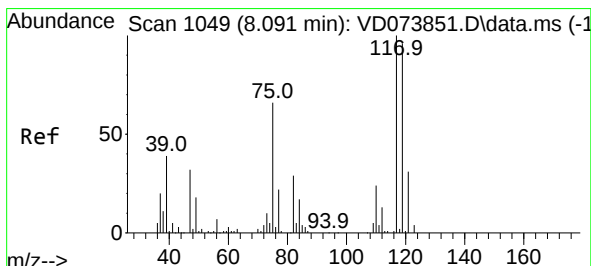
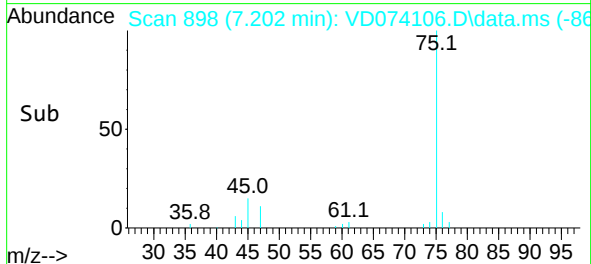
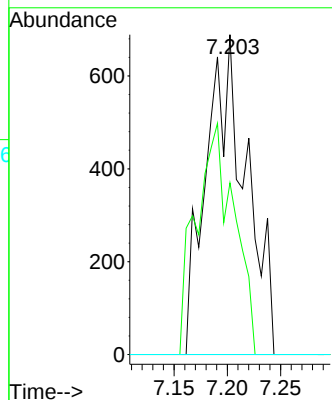


#37
Ethyl Acetate
Concen: 2.463 ug/l
RT: 7.202 min Scan# 89
Delta R.T. -0.083 min
Lab File: VD074106.D
Acq: 16 Aug 2022 17:23

Instrument :
MSVOA_D
ClientSampleId :
SB08

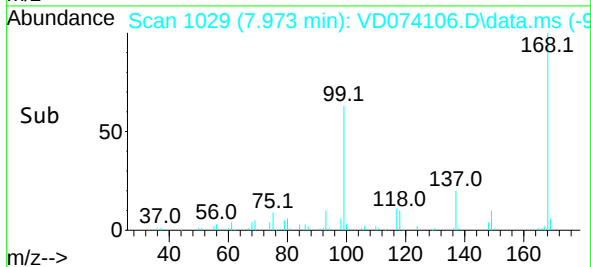
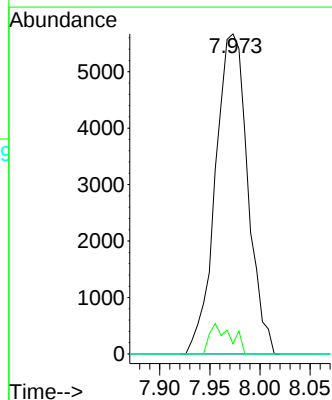
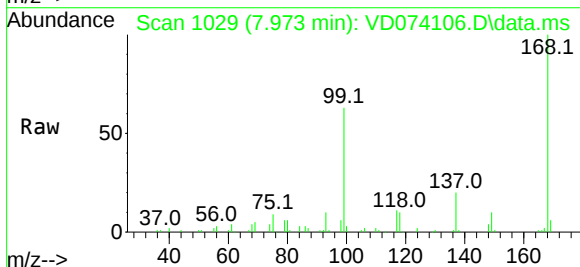


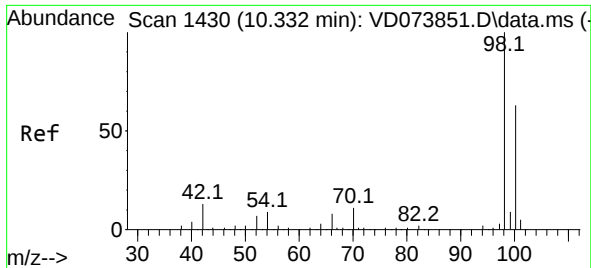
Tgt Ion: 43 Resp: 1795
Ion Ratio Lower Upper
43 100
61 68.8 9.8 14.8#
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 5.997 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD074106.D
Acq: 16 Aug 2022 17:23

Tgt Ion: 117 Resp: 12717
Ion Ratio Lower Upper
117 100
119 3.2 75.8 113.6#
121 0.0 24.5 36.7#

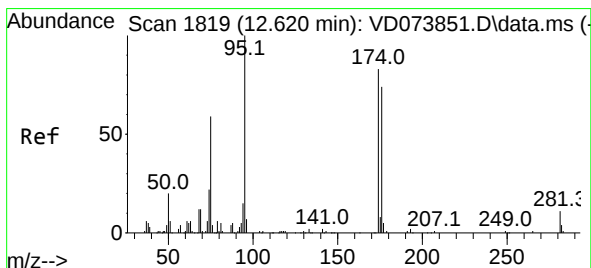
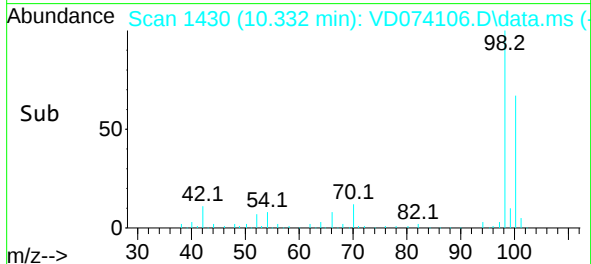
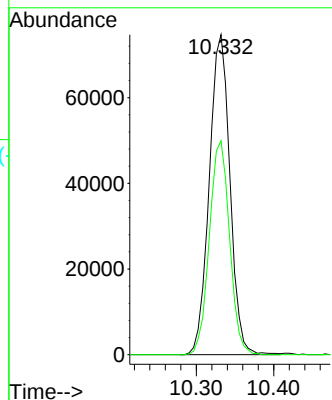
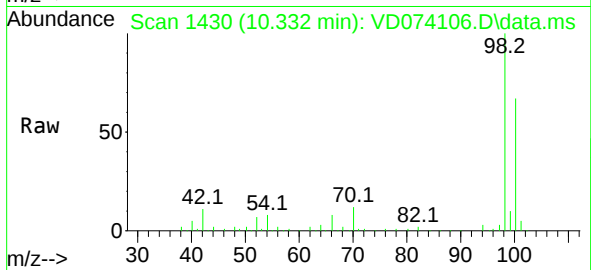




#50
Toluene-d8
Concen: 33.828 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD074106.D
Acq: 16 Aug 2022 17:23

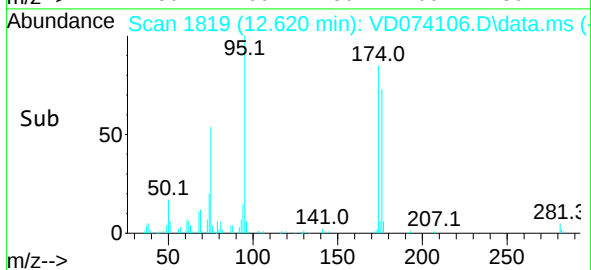
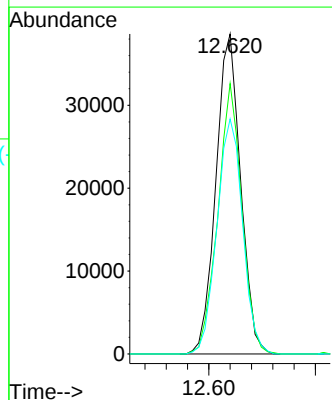
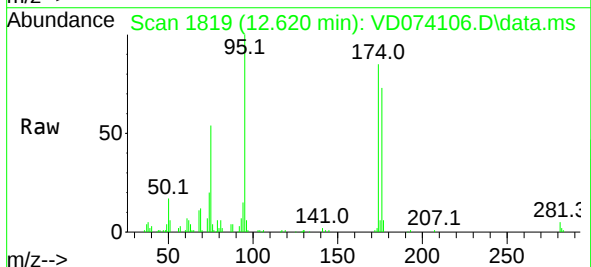
Instrument :
MSVOA_D
ClientSampleId :
SB08

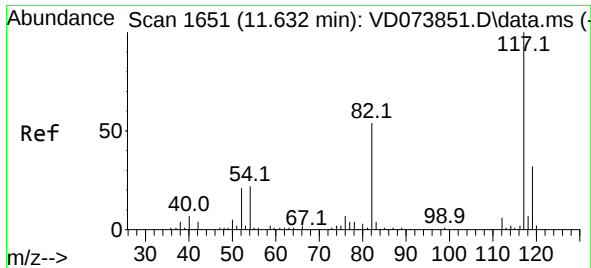
Tgt Ion: 98 Resp: 138381
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 36.703 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD074106.D
Acq: 16 Aug 2022 17:23

Tgt Ion: 95 Resp: 62001
Ion Ratio Lower Upper
95 100
174 82.0 0.0 152.8
176 76.4 0.0 145.4

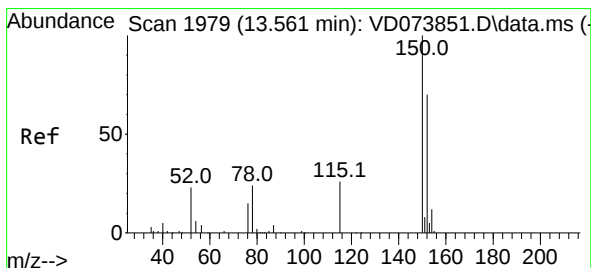
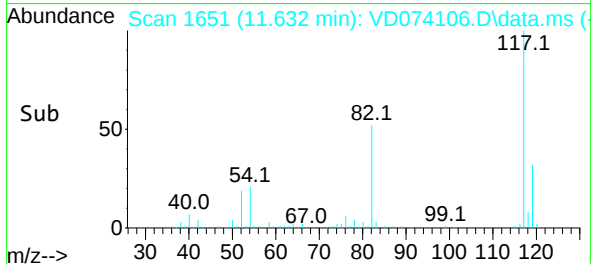
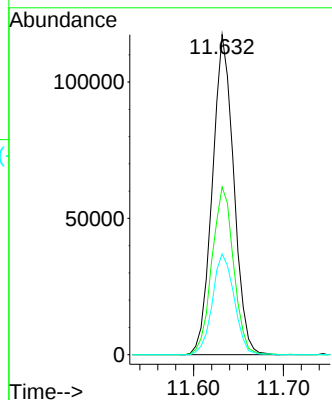
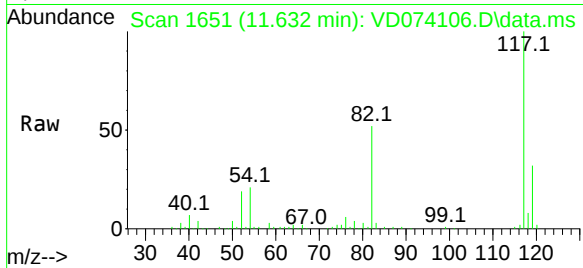




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD074106.D
Acq: 16 Aug 2022 17:23

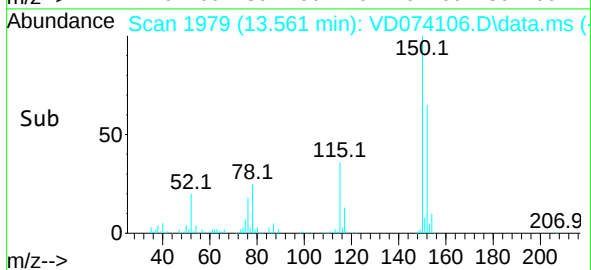
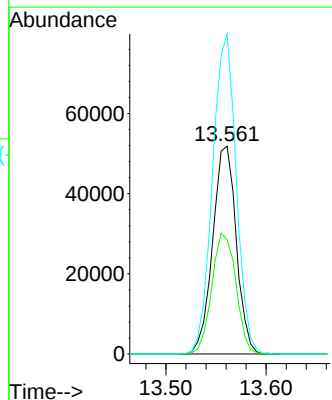
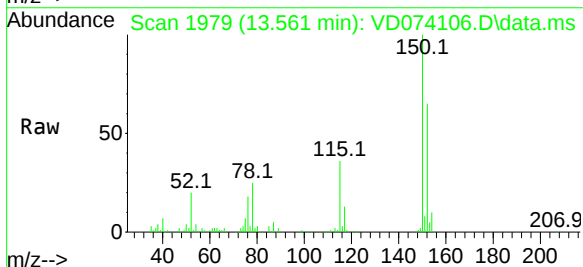
Instrument :
MSVOA_D
ClientSampleId :
SB08

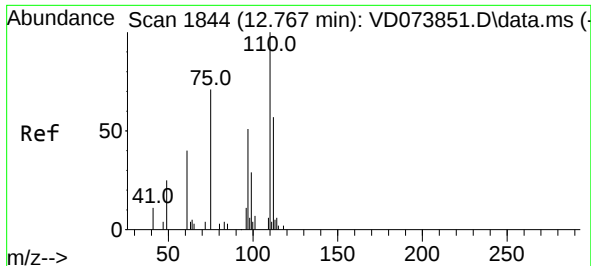
Tgt Ion:117 Resp: 193862
Ion Ratio Lower Upper
117 100
82 52.4 45.3 67.9
119 31.5 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD074106.D
Acq: 16 Aug 2022 17:23

Tgt Ion:152 Resp: 84727
Ion Ratio Lower Upper
152 100
115 59.3 31.3 93.8
150 154.5 0.0 348.6

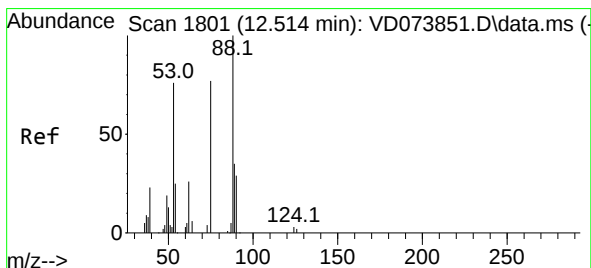
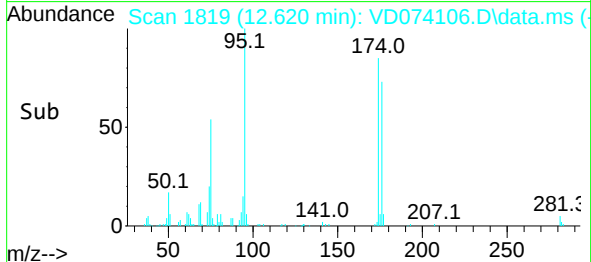
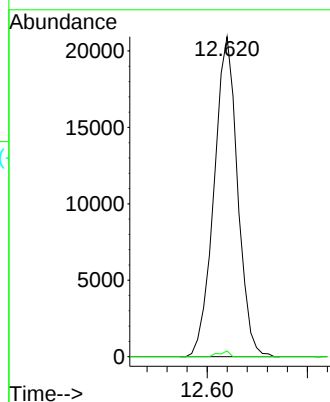
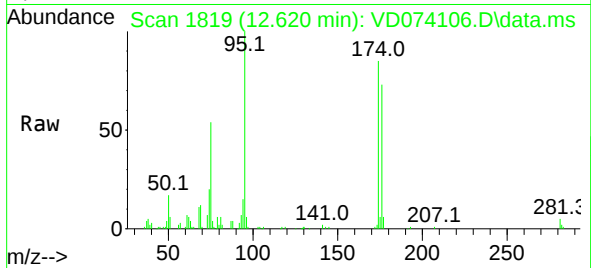




#76
1,2,3-Trichloropropane
Concen: 45.233 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD074106.D
Acq: 16 Aug 2022 17:23

Instrument :
MSVOA_D
ClientSampleId :
SB08

Tgt Ion: 75 Resp: 34150
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.149 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD074106.D
Acq: 16 Aug 2022 17:23

Tgt Ion: 75 Resp: 34150
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

