

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071922\
 Data File : VD073867.D
 Acq On : 19 Jul 2022 18:11
 Operator : VA/SY
 Sample : N3730-03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-02-6.5-7.0

Quant Time: Jul 20 01:23:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 01:56:16 2022
 Response via : Initial Calibration

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

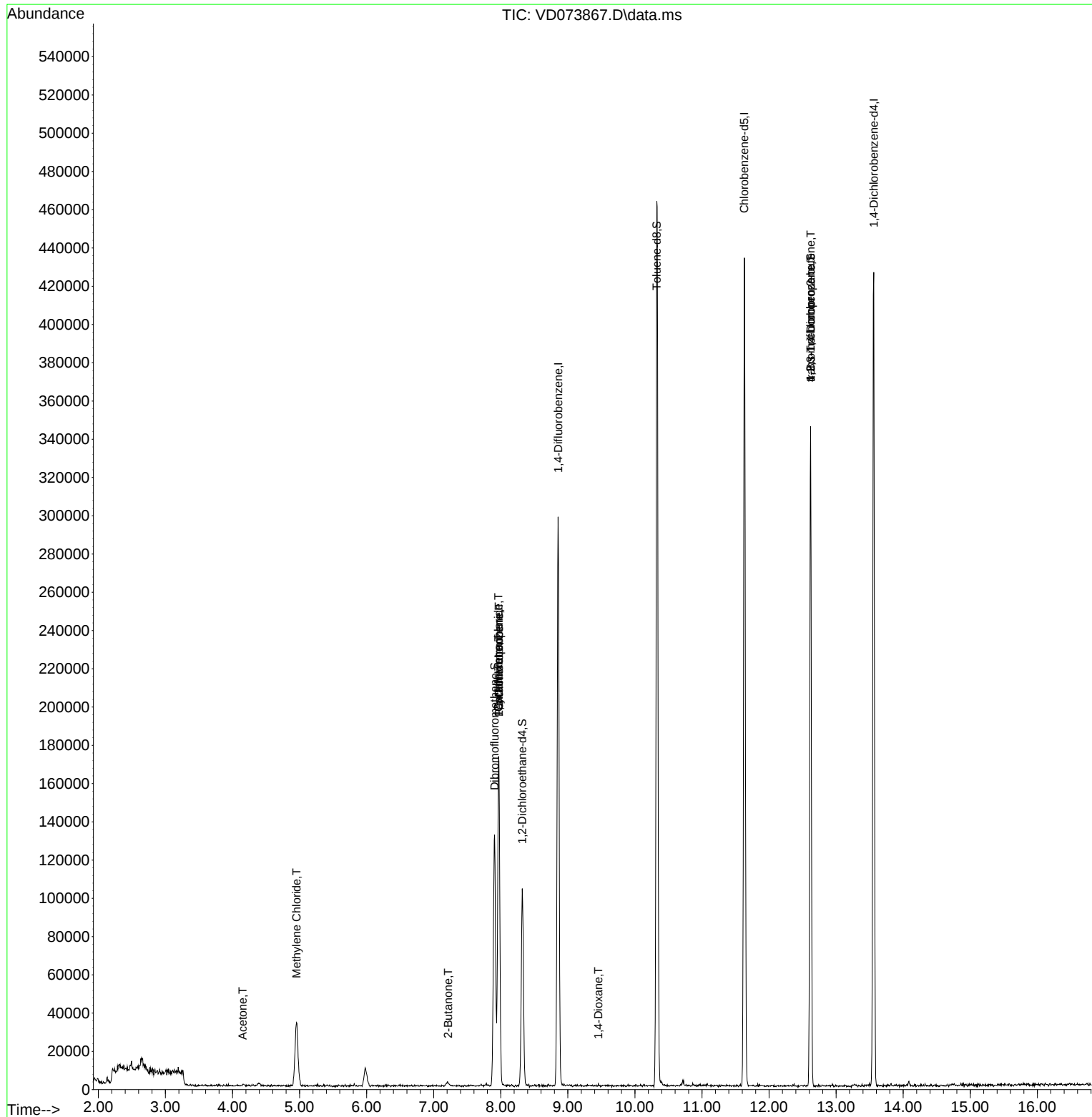
Internal Standards						
1) Pentafluorobenzene	7.973	168	124620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	252972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	243723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	108831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	81405	54.704	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.400%	
35) Dibromofluoromethane	7.908	113	90453	50.683	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.360%	
50) Toluene-d8	10.326	98	320532	49.475	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.940%	
62) 4-Bromofluorobenzene	12.620	95	109233	49.038	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.080%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	1472	Below Cal		98
3) Chloromethane	2.203	50	3140	Below Cal	#	78
16) Acetone	4.150	43	1437	5.885	ug/l	95
18) Methyl Acetate	4.726	43	69	Below Cal	#	55
20) Methylene Chloride	4.956	84	24793	2.410	ug/l	# 83
25) 2-Butanone	7.214	43	474	1.368	ug/l	# 52
31) Cyclohexane	7.967	56	3389	1.433	ug/l	# 5
36) 1,1-Dichloropropene	7.973	75	11356	4.411	ug/l	# 53
38) Carbon Tetrachloride	7.967	117	13088	4.451	ug/l	# 15
49) 1,4-Dioxane	9.455	88	59	5.491	ug/l	# 13
76) 1,2,3-Trichloropropane	12.620	75	59052	50.571	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.620	75	59052	136.462	ug/l	# 7

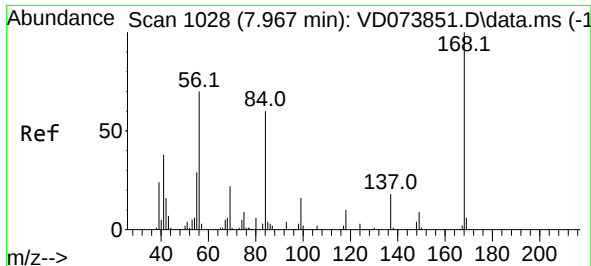
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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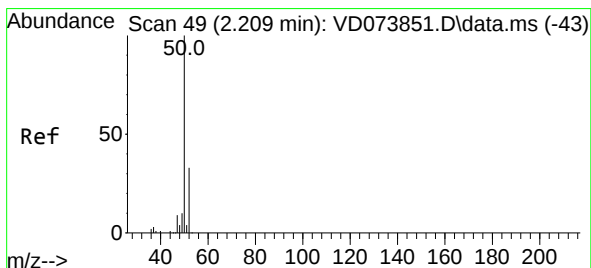
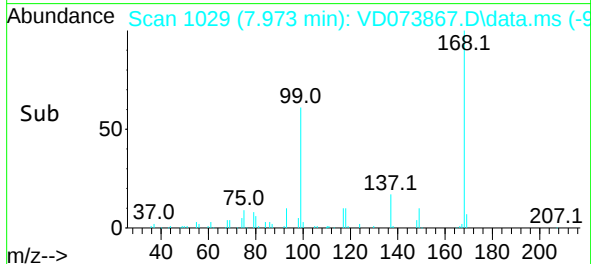
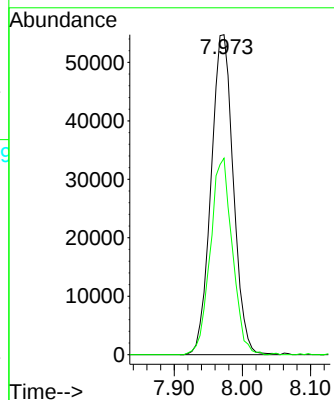
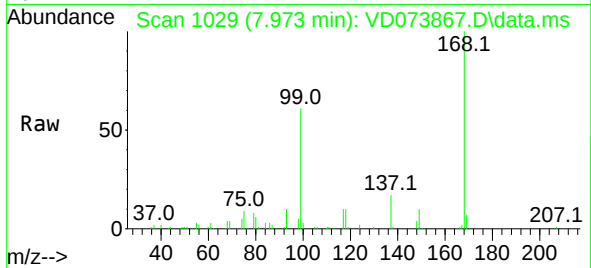




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1028
Delta R.T. 0.006 min
Lab File: VD073867.D
Acq: 19 Jul 2022 18:11

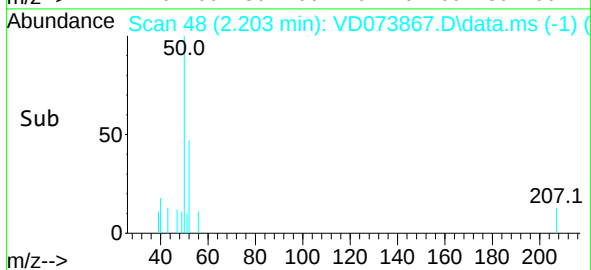
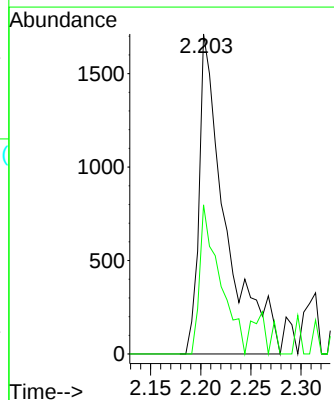
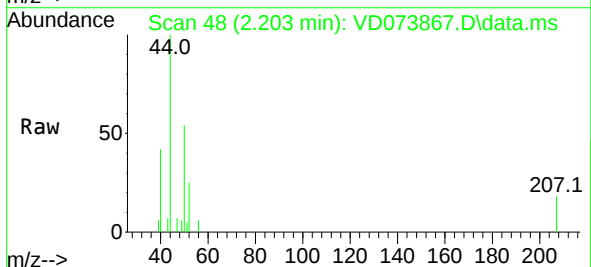
Instrument :
MSVOA_D
ClientSampleId :
SB-02-6.5-7.0

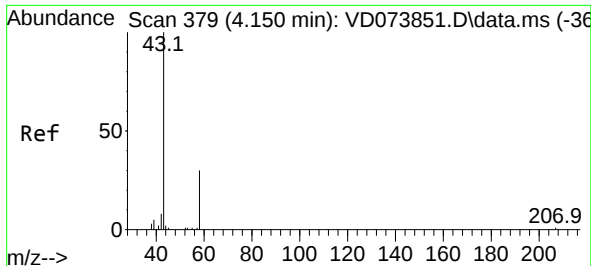
Tgt Ion:168 Resp: 124620
Ion Ratio Lower Upper
168 100
99 61.4 49.8 74.6



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD073867.D
Acq: 19 Jul 2022 18:11

Tgt Ion: 50 Resp: 3140
Ion Ratio Lower Upper
50 100
52 46.6 27.4 41.0#

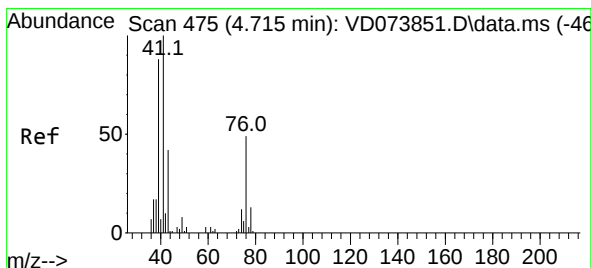
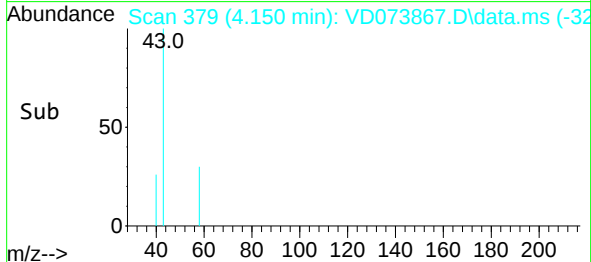
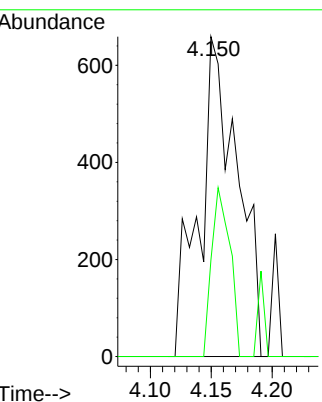
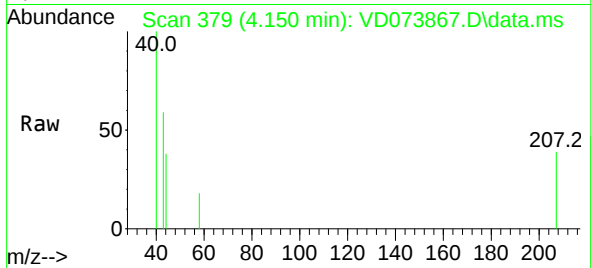




#16
Acetone
Concen: 5.885 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD073867.D
Acq: 19 Jul 2022 18:11

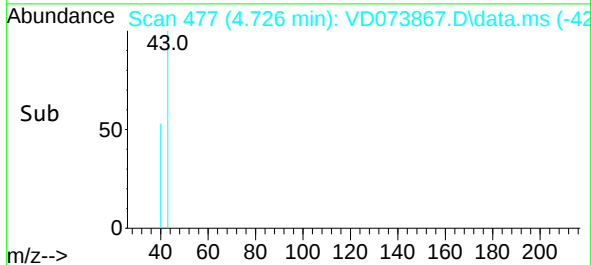
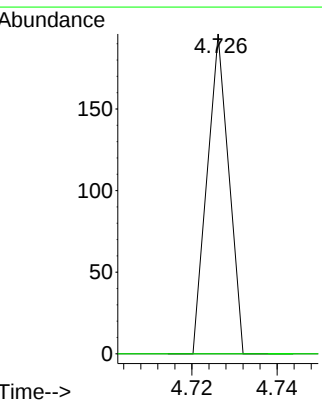
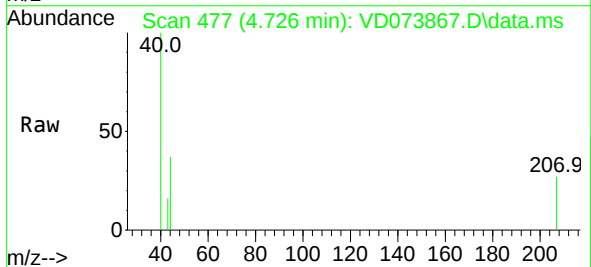
Instrument :
MSVOA_D
ClientSampleId :
SB-02-6.5-7.0

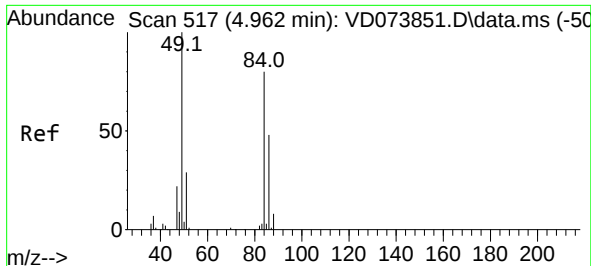
Tgt Ion: 43 Resp: 1437
Ion Ratio Lower Upper
43 100
58 30.2 22.1 33.1



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.011 min
Lab File: VD073867.D
Acq: 19 Jul 2022 18:11

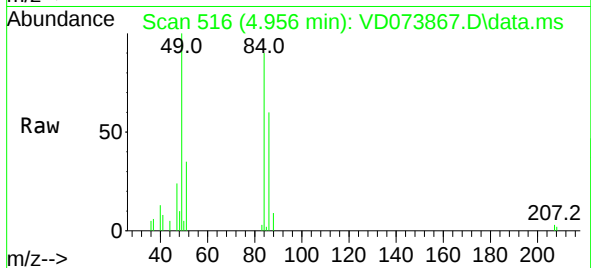
Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#





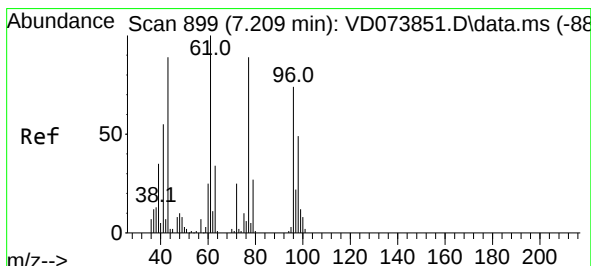
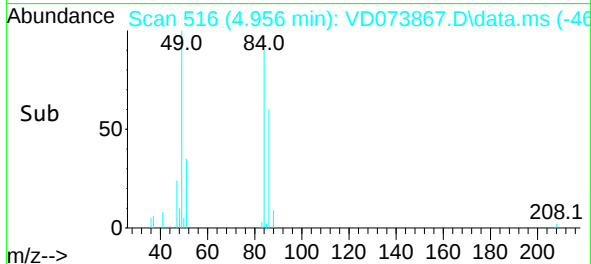
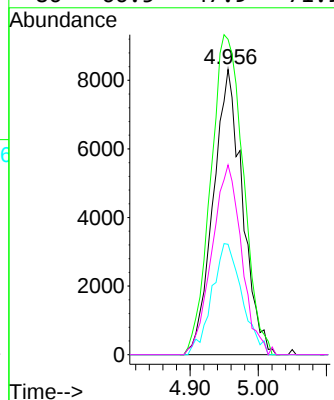
#20
Methylene Chloride
Concen: 2.410 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD073867.D
Acq: 19 Jul 2022 18:11

Instrument :
MSVOA_D
ClientSampleId :
SB-02-6.5-7.0



Tgt Ion: 84 Resp: 24793

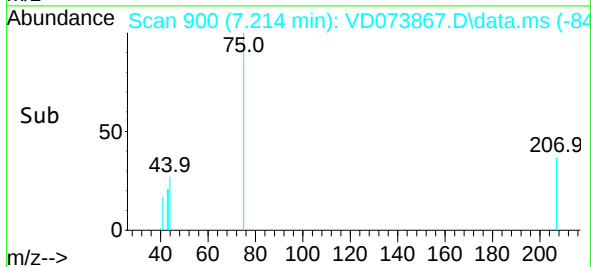
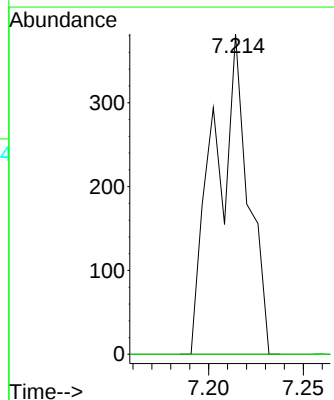
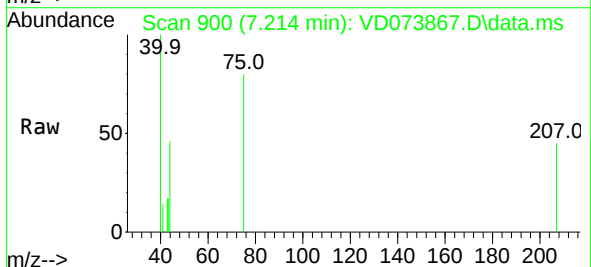
Ion	Ratio	Lower	Upper
84	100		
49	110.6	112.8	169.2#
51	38.7	32.6	48.8
86	66.5	47.9	71.9

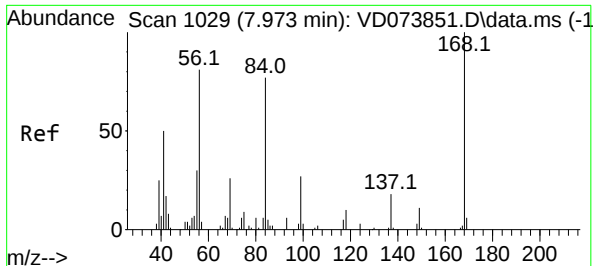


#25
2-Butanone
Concen: 1.368 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD073867.D
Acq: 19 Jul 2022 18:11

Tgt Ion: 43 Resp: 474

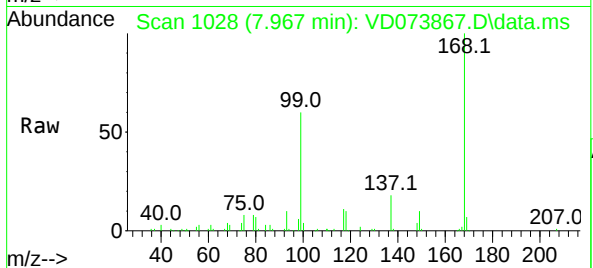
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#



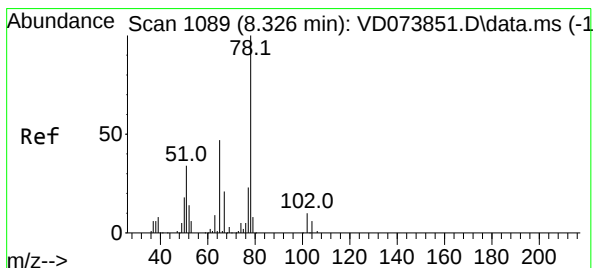
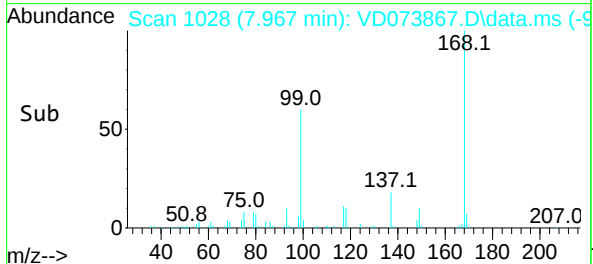
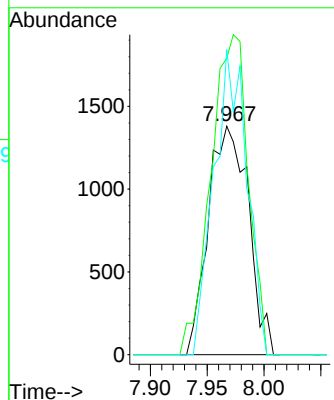


#31
Cyclohexane
Concen: 1.433 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073867.D
Acq: 19 Jul 2022 18:11

Instrument :
MSVOA_D
ClientSampleId :
SB-02-6.5-7.0

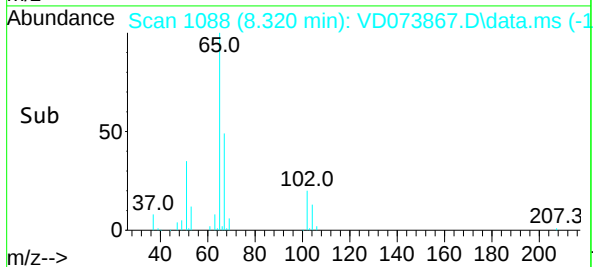
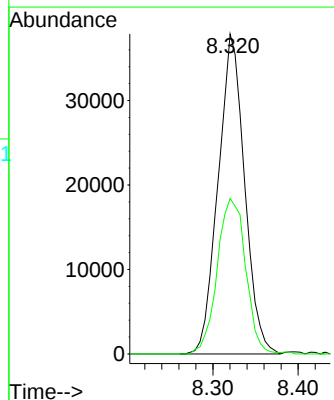
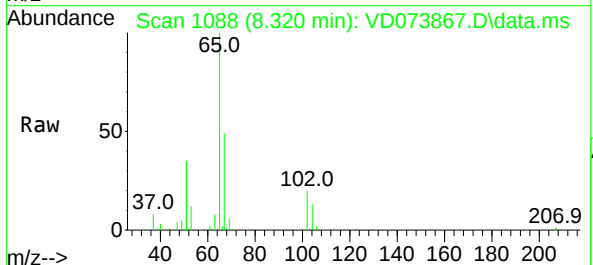


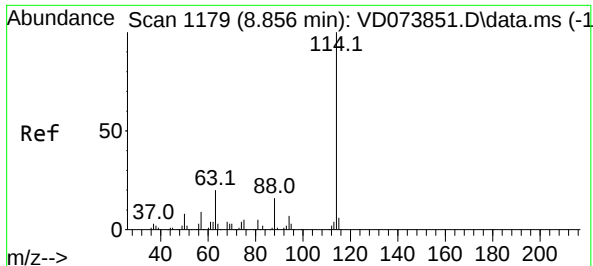
Tgt Ion: 56 Resp: 3389
Ion Ratio Lower Upper
56 100
69 129.8 25.4 38.2#
84 133.6 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 54.704 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD073867.D
Acq: 19 Jul 2022 18:11

Tgt Ion: 65 Resp: 81405
Ion Ratio Lower Upper
65 100
67 52.4 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: VD073867.D

Acq: 19 Jul 2022 18:11

Instrument :

MSVOA_D

ClientSampleId :

SB-02-6.5-7.0

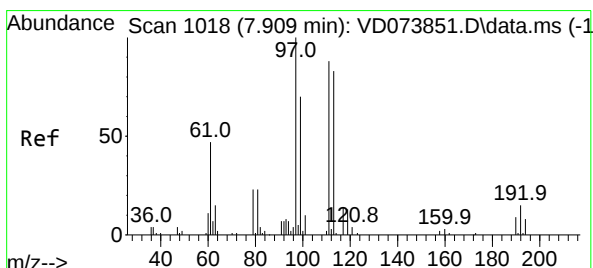
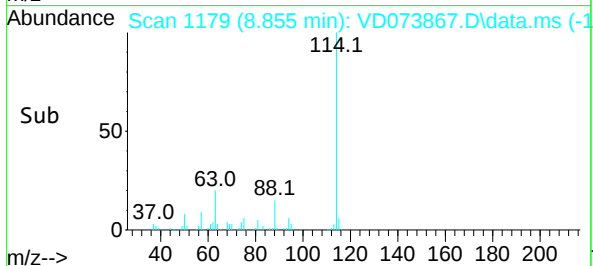
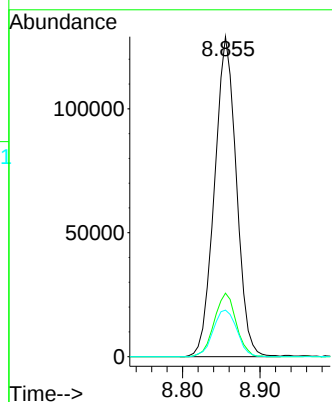
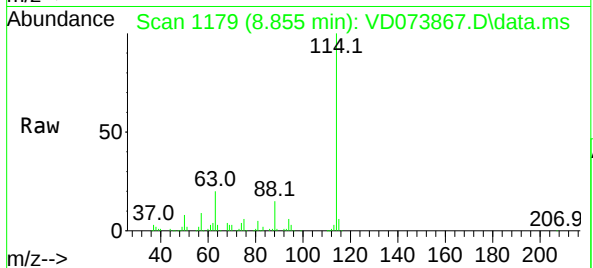
Tgt Ion:114 Resp: 252972

Ion Ratio Lower Upper

114 100

63 19.9 0.0 46.6

88 14.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 50.683 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD073867.D

Acq: 19 Jul 2022 18:11

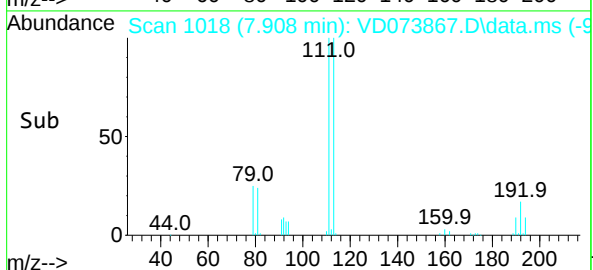
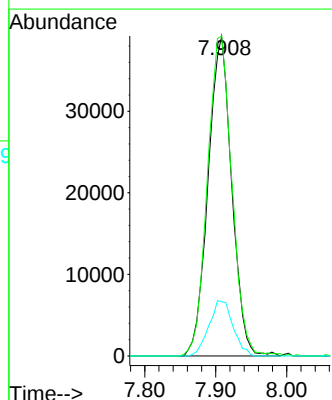
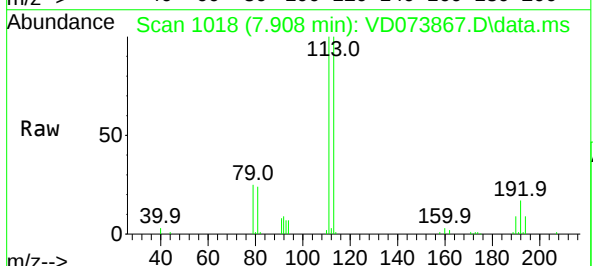
Tgt Ion:113 Resp: 90453

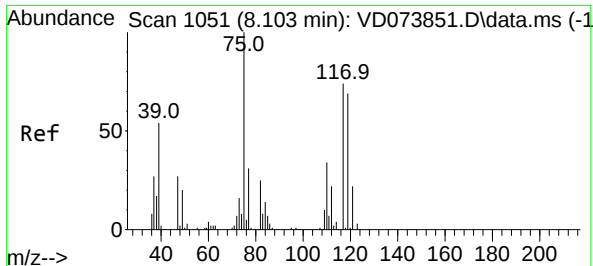
Ion Ratio Lower Upper

113 100

111 103.9 83.8 125.6

192 17.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.411 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VD073867.D

Acq: 19 Jul 2022 18:11

Instrument :

MSVOA_D

ClientSampleId :

SB-02-6.5-7.0

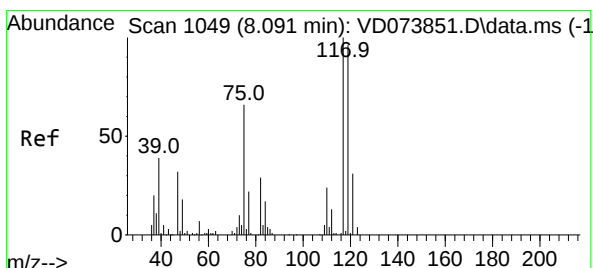
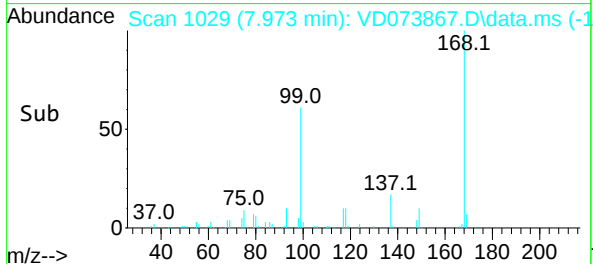
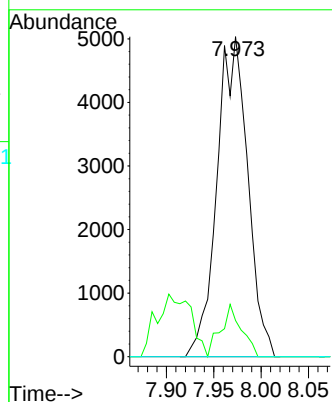
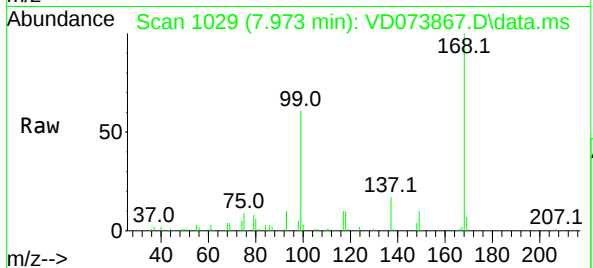
Tgt Ion: 75 Resp: 11356

Ion Ratio Lower Upper

75 100

110 11.0 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 4.451 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.124 min

Lab File: VD073867.D

Acq: 19 Jul 2022 18:11

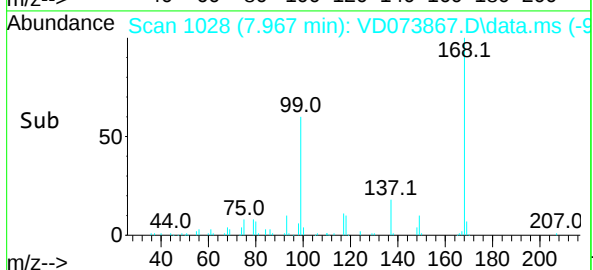
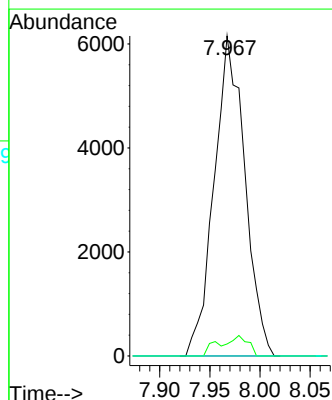
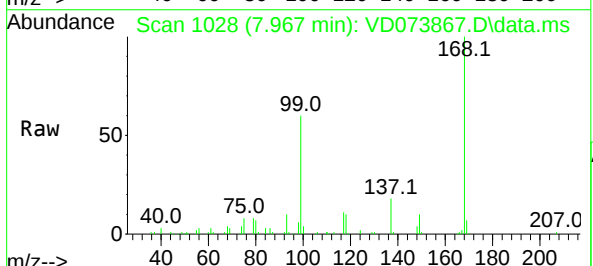
Tgt Ion: 117 Resp: 13088

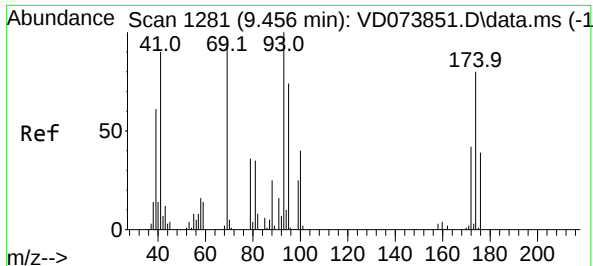
Ion Ratio Lower Upper

117 100

119 3.7 75.8 113.6#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 5.491 ug/l

RT: 9.455 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD073867.D

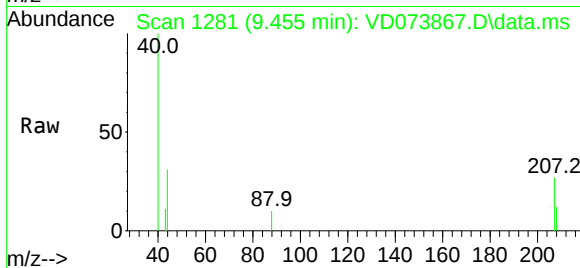
Acq: 19 Jul 2022 18:11

Instrument :

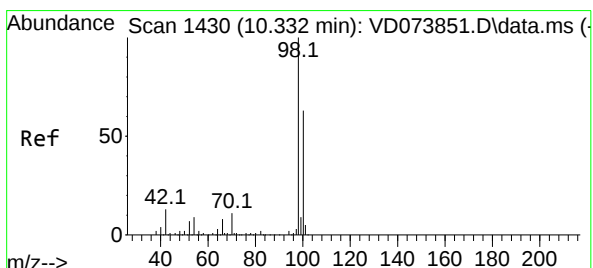
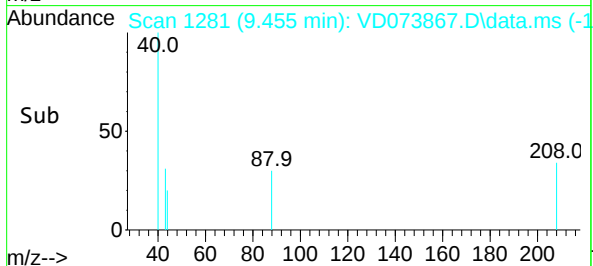
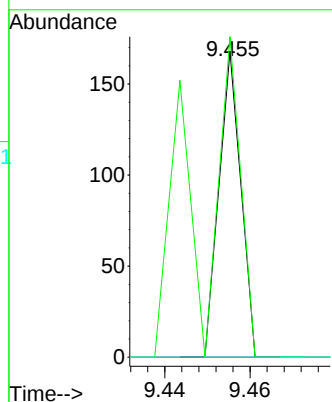
MSVOA_D

ClientSampleId :

SB-02-6.5-7.0



Tgt Ion:	88	Resp:	59
Ion	Ratio	Lower	Upper
88	100		
43	91.5	31.0	46.4#
58	0.0	58.1	87.1#



#50

Toluene-d8

Concen: 49.475 ug/l

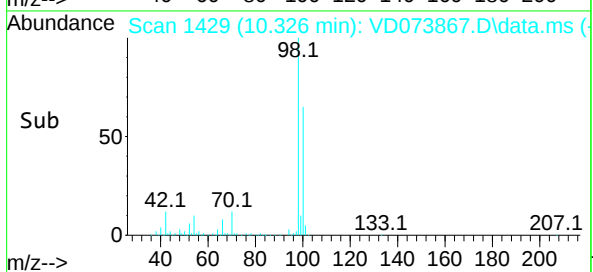
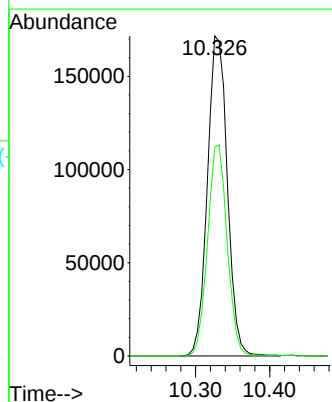
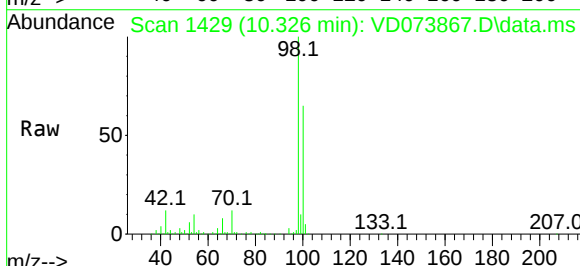
RT: 10.326 min Scan# 1429

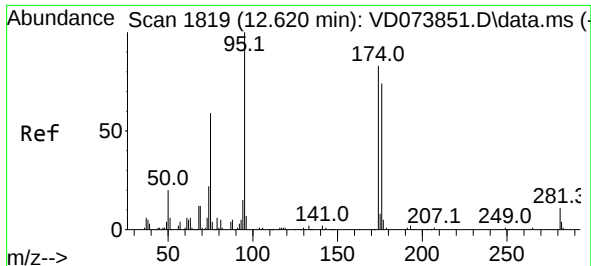
Delta R.T. -0.006 min

Lab File: VD073867.D

Acq: 19 Jul 2022 18:11

Tgt Ion:	98	Resp:	320532
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.4	78.6

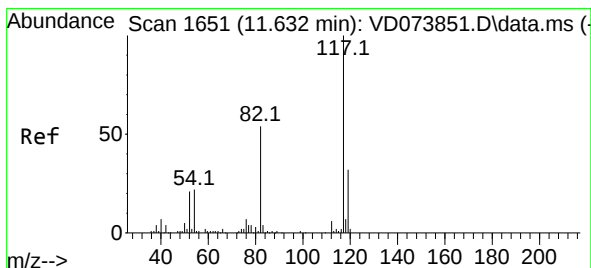
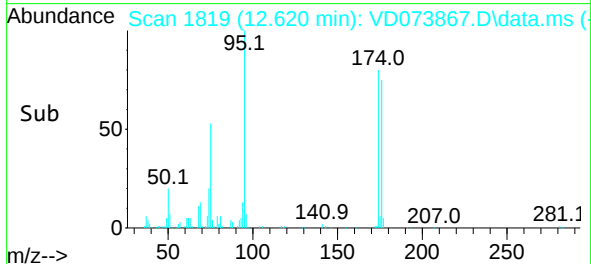
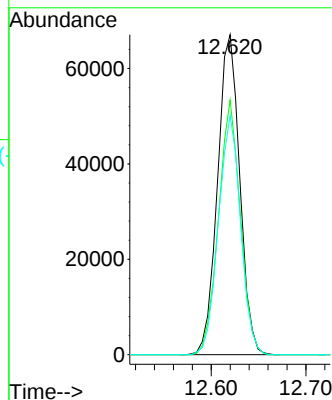
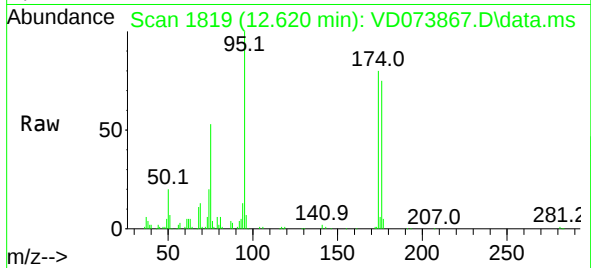




#62
4-Bromofluorobenzene
Concen: 49.038 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073867.D
Acq: 19 Jul 2022 18:11

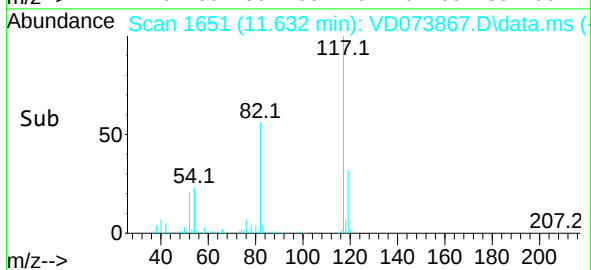
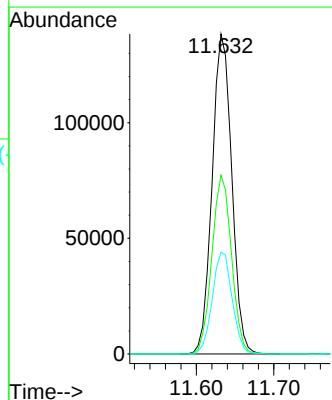
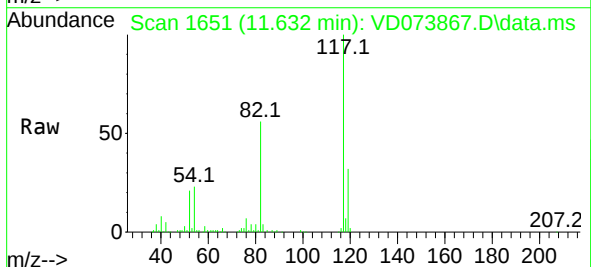
Instrument :
MSVOA_D
ClientSampleId :
SB-02-6.5-7.0

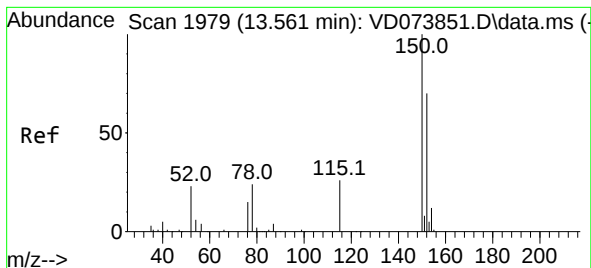
Tgt Ion: 95 Resp: 109233
Ion Ratio Lower Upper
95 100
174 78.1 0.0 152.8
176 74.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073867.D
Acq: 19 Jul 2022 18:11

Tgt Ion: 117 Resp: 243723
Ion Ratio Lower Upper
117 100
82 55.9 45.3 67.9
119 31.8 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1819

Delta R.T. -0.000 min

Lab File: VD073867.D

Acq: 19 Jul 2022 18:11

Instrument :

MSVOA_D

ClientSampleId :

SB-02-6.5-7.0

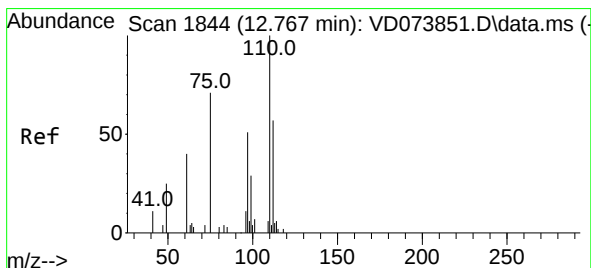
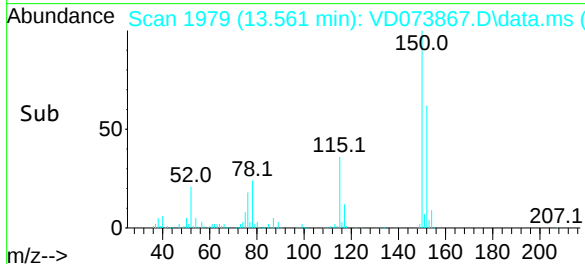
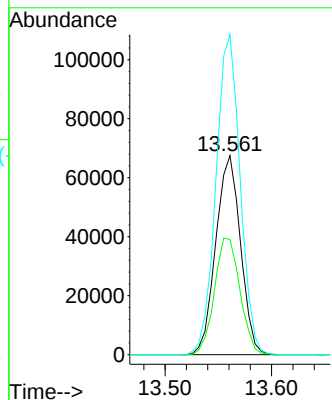
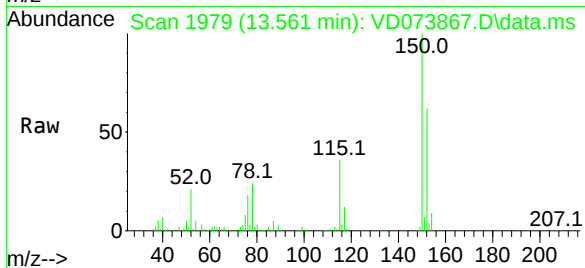
Tgt Ion:152 Resp: 108831

Ion Ratio Lower Upper

152 100

115 60.4 31.3 93.8

150 157.3 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 50.571 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073867.D

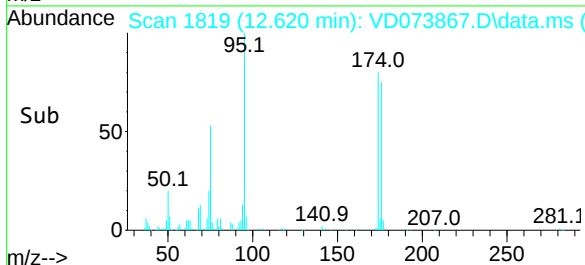
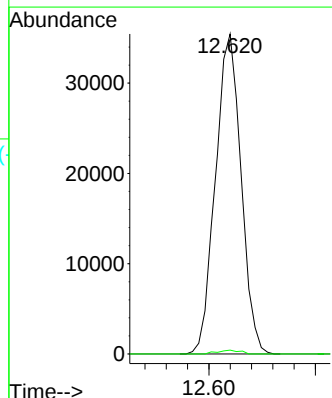
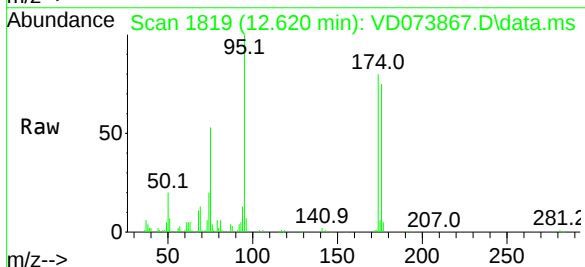
Acq: 19 Jul 2022 18:11

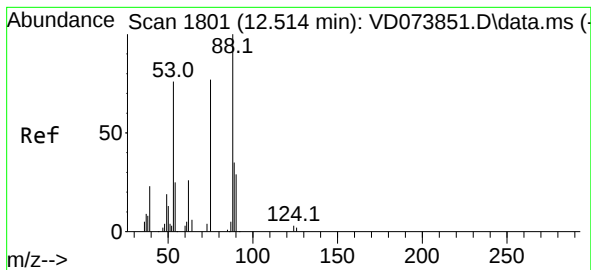
Tgt Ion: 75 Resp: 59052

Ion Ratio Lower Upper

75 100

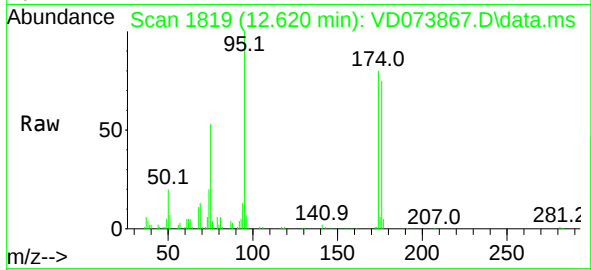
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.462 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073867.D
 Acq: 19 Jul 2022 18:11

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-02-6.5-7.0



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

