

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080822\
 Data File : VD073983.D
 Acq On : 08 Aug 2022 20:23
 Operator : VA/SY
 Sample : N3995-02RE
 Misc : 4.27G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

Quant Time: Aug 08 23:27:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 06 00:36:42 2022
 Response via : Initial Calibration

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

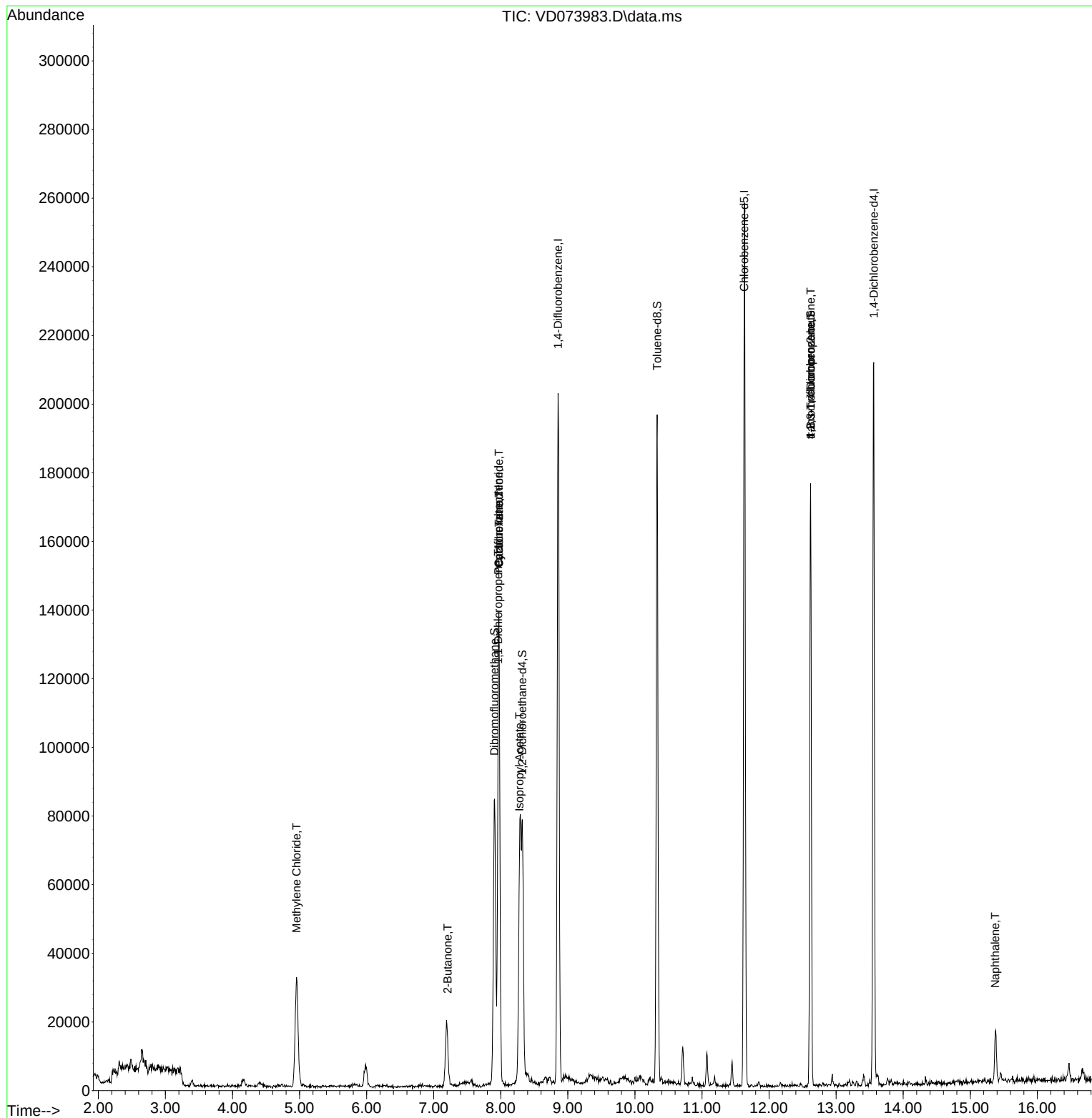
Internal Standards						
1) Pentafluorobenzene	7.967	168	98389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	172517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	145608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	54952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	50247	68.987	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 137.980%	
35) Dibromofluoromethane	7.902	113	58631	55.164	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.320%	
50) Toluene-d8	10.332	98	131145	44.346	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.700%	
62) 4-Bromofluorobenzene	12.620	95	54399	38.405	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 76.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	1328	Below Cal		85
11) Tert butyl alcohol	5.232	59	67	Below Cal	#	86
18) Methyl Acetate	4.720	43	86	Below Cal	#	47
20) Methylene Chloride	4.956	84	23737	12.054	ug/l	94
25) 2-Butanone	7.208	43	2492	9.893	ug/l	# 76
31) Cyclohexane	7.973	56	2744	1.637	ug/l	# 59
36) 1,1-Dichloropropene	7.961	75	8507	5.070	ug/l	# 50
38) Carbon Tetrachloride	7.973	117	11815	6.323	ug/l	# 17
43) Isopropyl Acetate	8.279	43	1861	1.526	ug/l	# 39
76) 1,2,3-Trichloropropane	12.620	75	30703	60.633	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.620	75	30703	152.224	ug/l	# 11
95) Naphthalene	15.373	128	14271	8.185	ug/l	96

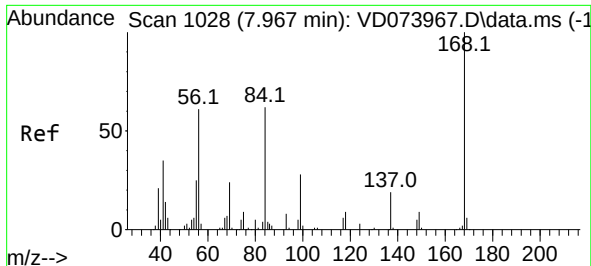
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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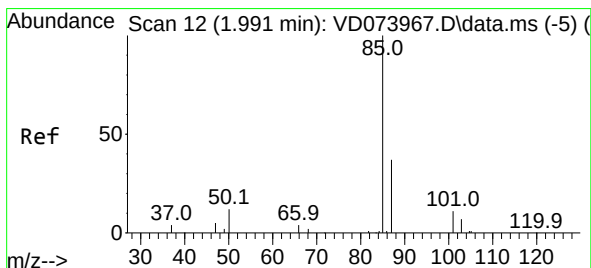
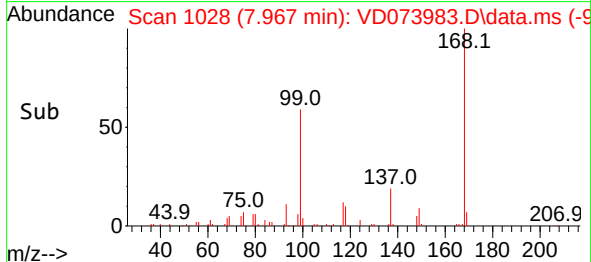
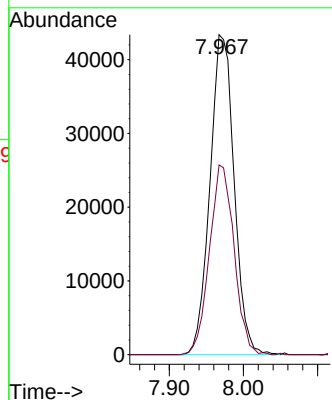
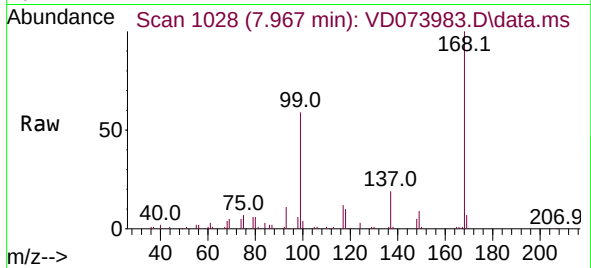




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VD073983.D
Acq: 08 Aug 2022 20:23

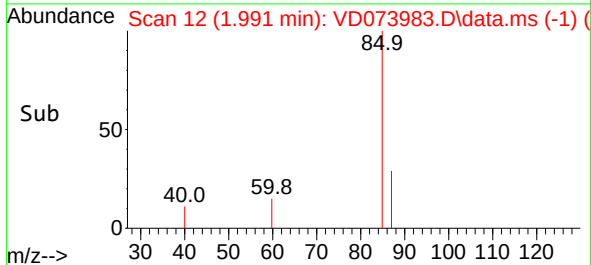
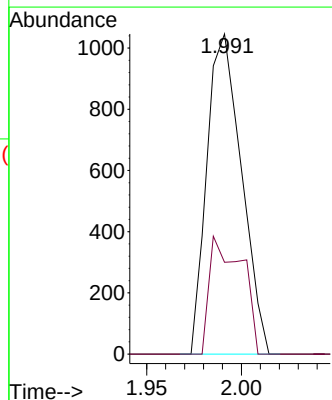
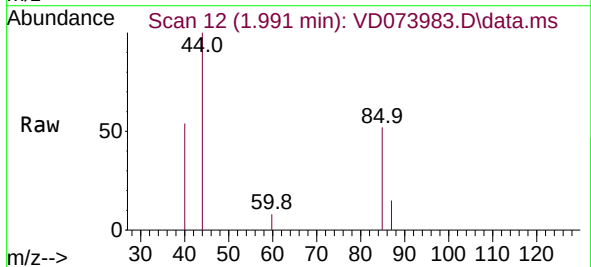
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

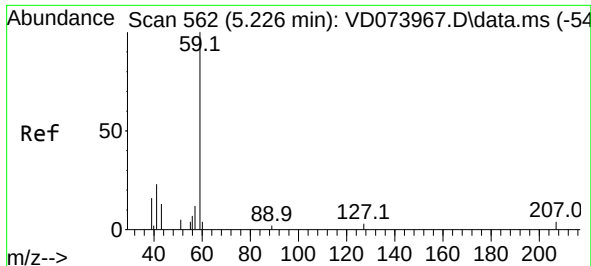
Tgt Ion:168 Resp: 98389
Ion Ratio Lower Upper
168 100
99 59.3 46.2 69.4



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073983.D
Acq: 08 Aug 2022 20:23

Tgt Ion: 85 Resp: 1328
Ion Ratio Lower Upper
85 100
87 28.7 18.7 56.1





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.232 min Scan# 50

Delta R.T. 0.006 min

Lab File: VD073983.D

Acq: 08 Aug 2022 20:23

Instrument :

MSVOA_D

ClientSampleId :

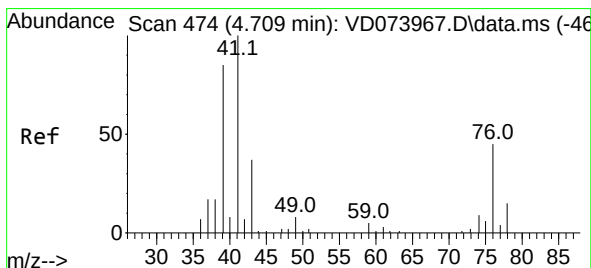
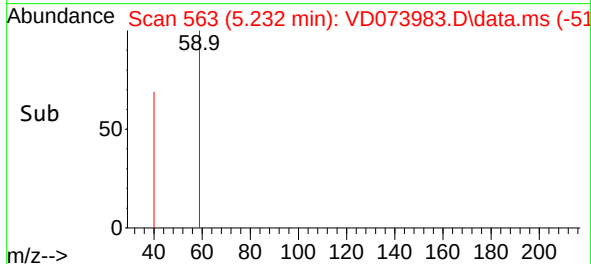
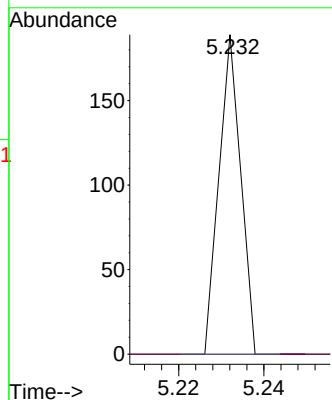
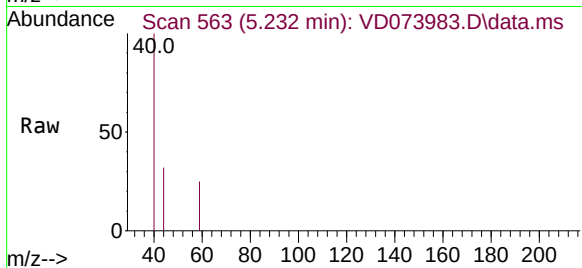
COMP-2

Tgt Ion: 59 Resp: 67

Ion Ratio Lower Upper

59 100

57 0.0 3.8 5.6#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.720 min Scan# 476

Delta R.T. 0.011 min

Lab File: VD073983.D

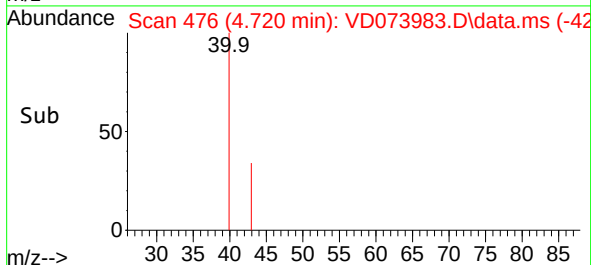
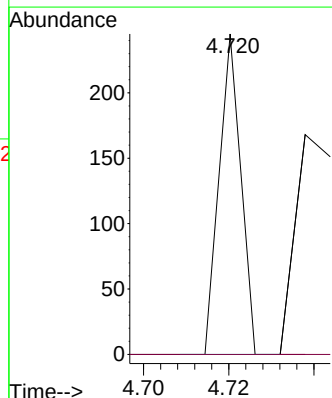
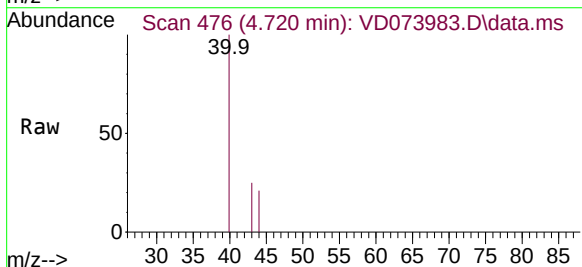
Acq: 08 Aug 2022 20:23

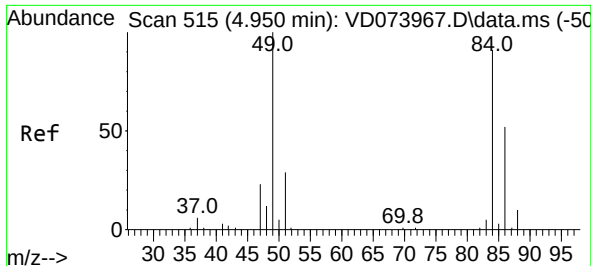
Tgt Ion: 43 Resp: 86

Ion Ratio Lower Upper

43 100

74 0.0 22.1 33.1#

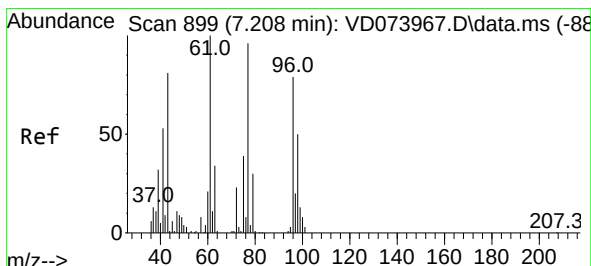
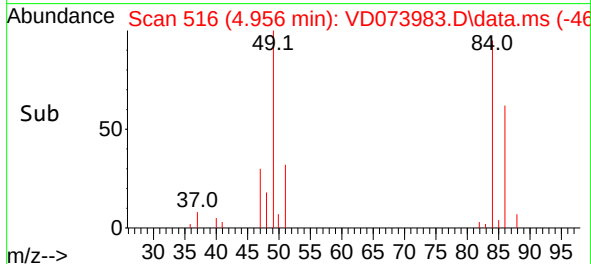
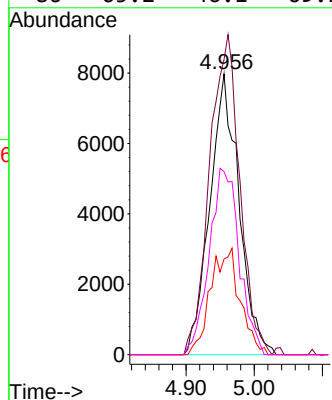
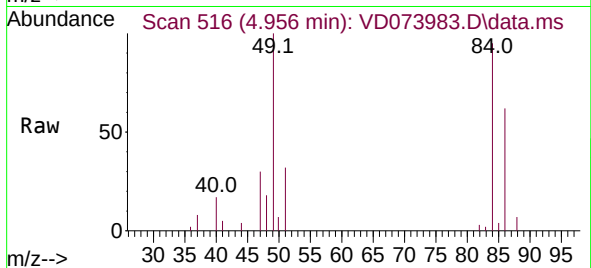




#20
Methylene Chloride
Concen: 12.054 ug/l
RT: 4.956 min Scan# 515
Delta R.T. 0.006 min
Lab File: VD073983.D
Acq: 08 Aug 2022 20:23

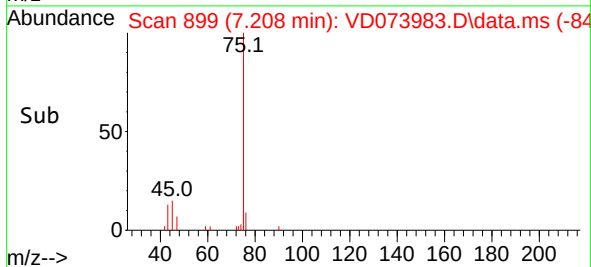
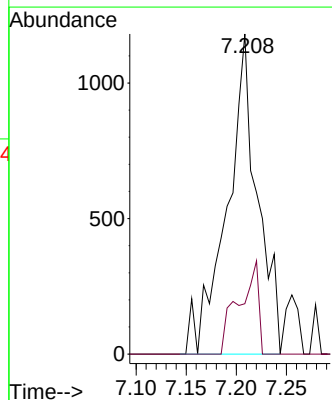
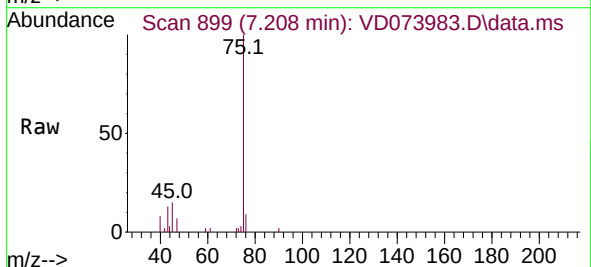
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

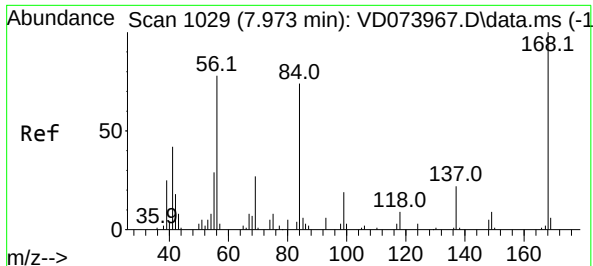
Tgt Ion: 84	Resp: 23737
Ion Ratio	Lower Upper
84 100	
49 105.2	87.9 131.9
51 34.1	25.7 38.5
86 65.2	46.1 69.1



#25
2-Butanone
Concen: 9.893 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD073983.D
Acq: 08 Aug 2022 20:23

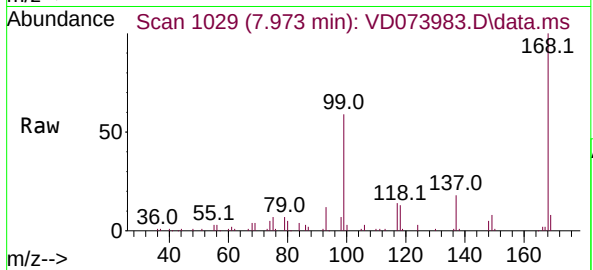
Tgt Ion: 43	Resp: 2492		
Ion Ratio	Lower	Upper	
43 100			
72 15.7	22.8	34.2#	



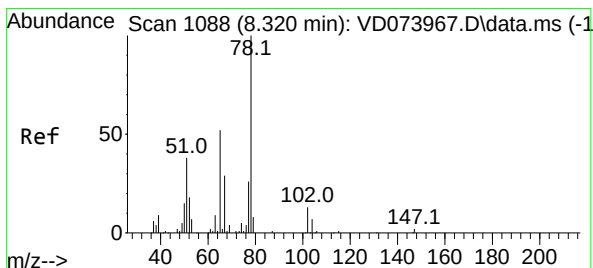
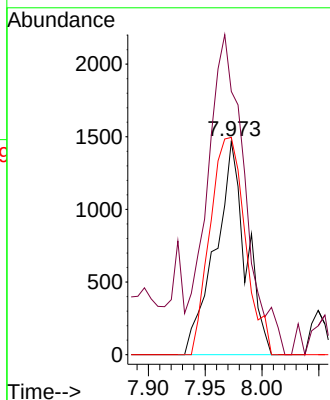
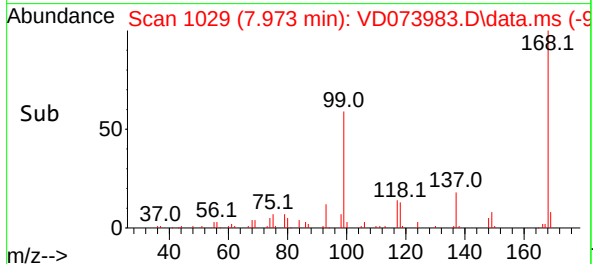


#31
Cyclohexane
Concen: 1.637 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD073983.D
Acq: 08 Aug 2022 20:23

Instrument :
MSVOA_D
ClientSampleId :
COMP-2

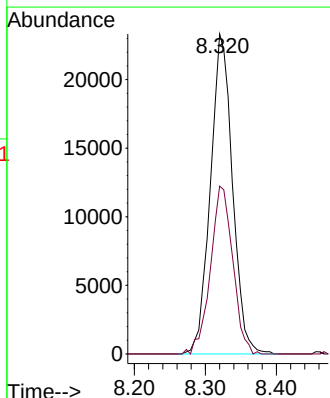
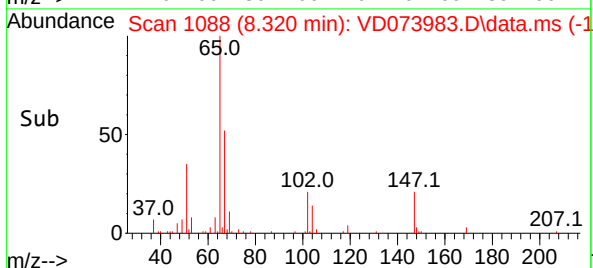
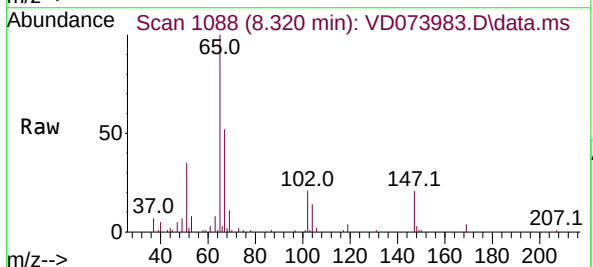


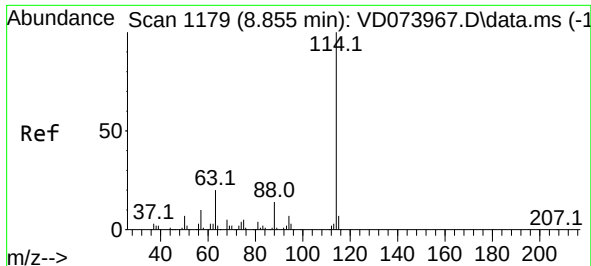
Tgt Ion: 56 Resp: 2744
Ion Ratio Lower Upper
56 100
69 110.7 27.6 41.4#
84 101.8 75.4 113.0



#33
1,2-Dichloroethane-d4
Concen: 68.987 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD073983.D
Acq: 08 Aug 2022 20:23

Tgt Ion: 65 Resp: 50247
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073983.D

Acq: 08 Aug 2022 20:23

Instrument :

MSVOA_D

ClientSampleId :

COMP-2

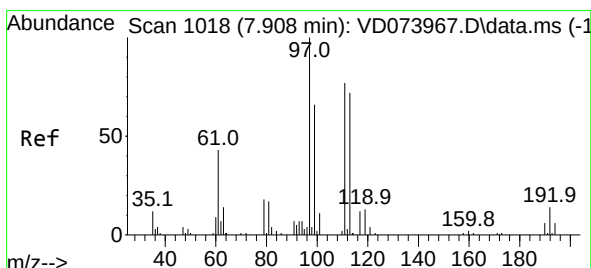
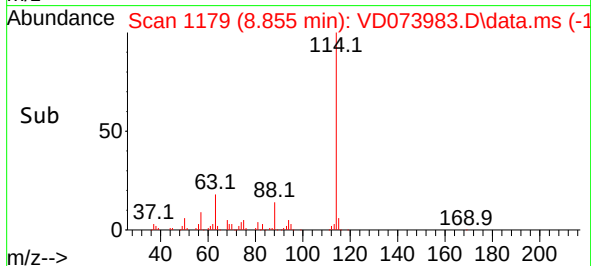
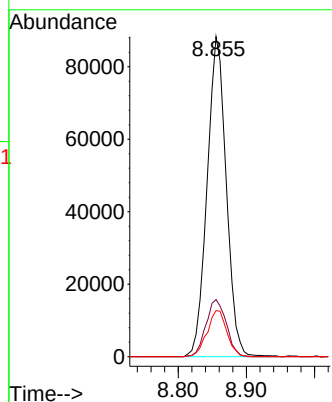
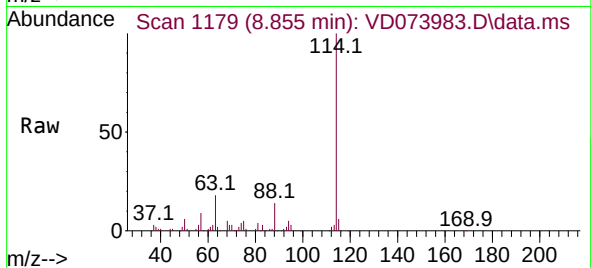
Tgt Ion:114 Resp: 172517

Ion Ratio Lower Upper

114 100

63 17.8 0.0 39.8

88 14.4 0.0 28.0



#35

Dibromofluoromethane

Concen: 55.164 ug/l

RT: 7.902 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD073983.D

Acq: 08 Aug 2022 20:23

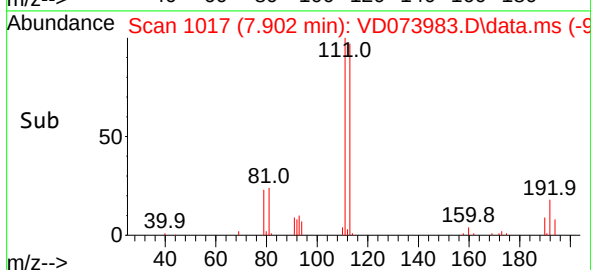
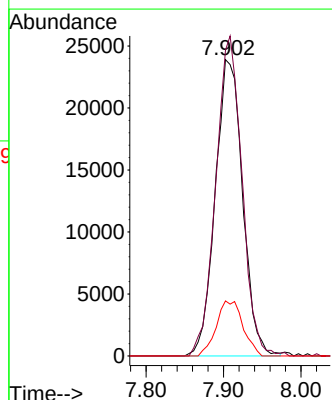
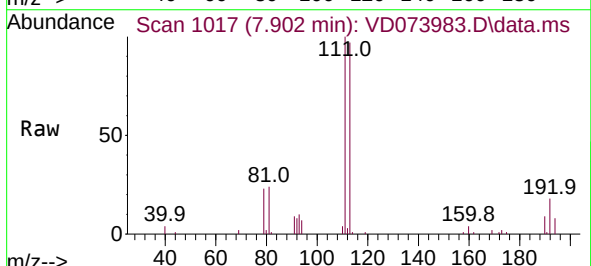
Tgt Ion:113 Resp: 58631

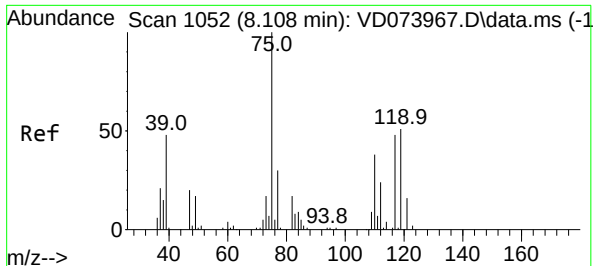
Ion Ratio Lower Upper

113 100

111 103.7 83.0 124.4

192 18.1 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.070 ug/l

RT: 7.961 min Scan# 1027

Delta R.T. -0.147 min

Lab File: VD073983.D

Acq: 08 Aug 2022 20:23

Instrument :

MSVOA_D

ClientSampleId :

COMP-2

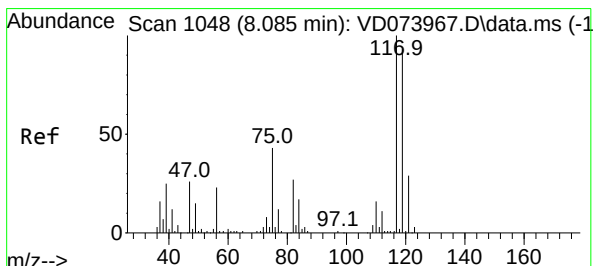
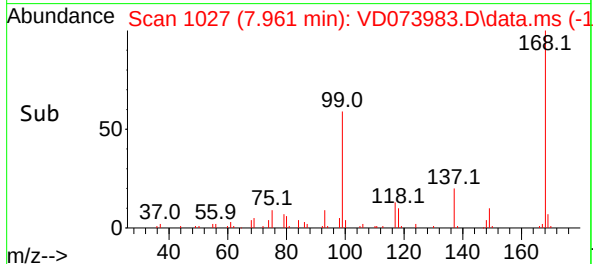
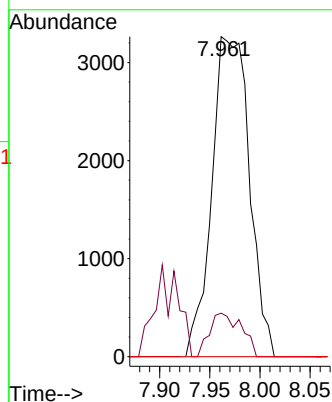
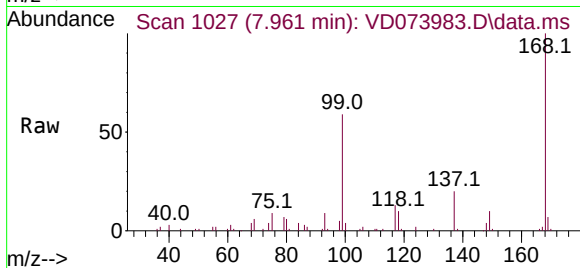
Tgt Ion: 75 Resp: 8507

Ion Ratio Lower Upper

75 100

110 11.6 18.9 56.7#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 6.323 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.112 min

Lab File: VD073983.D

Acq: 08 Aug 2022 20:23

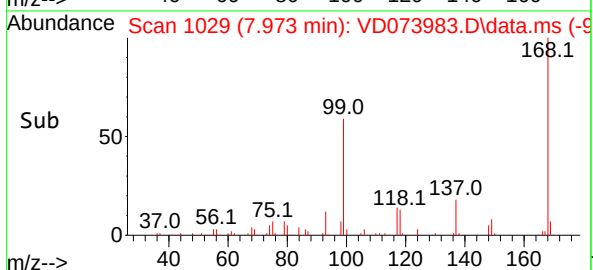
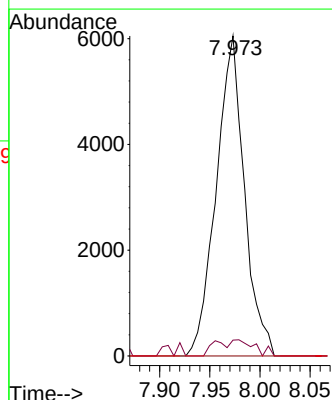
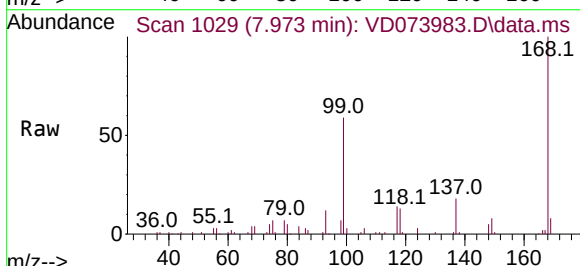
Tgt Ion: 117 Resp: 11815

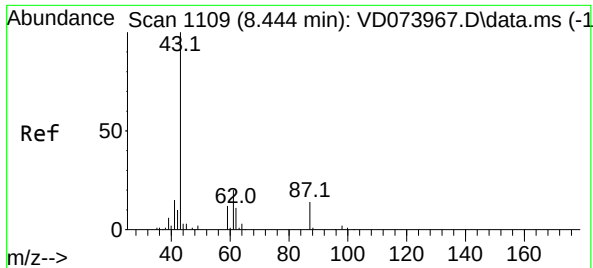
Ion Ratio Lower Upper

117 100

119 4.9 74.7 112.1#

121 0.0 23.4 35.0#

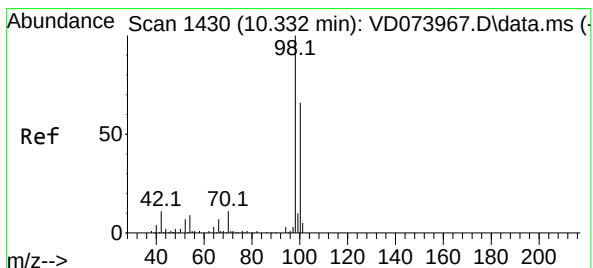
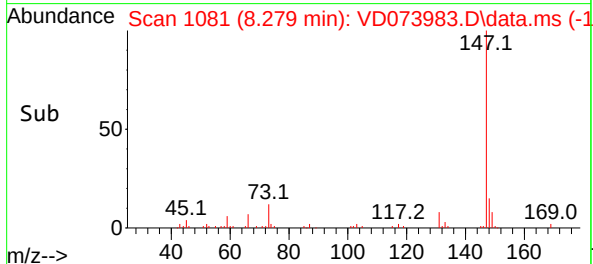
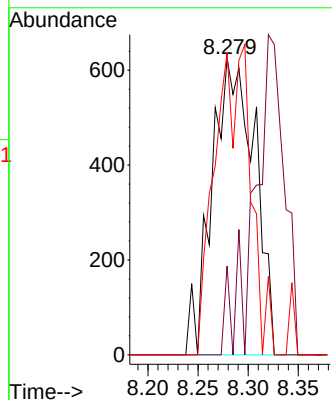
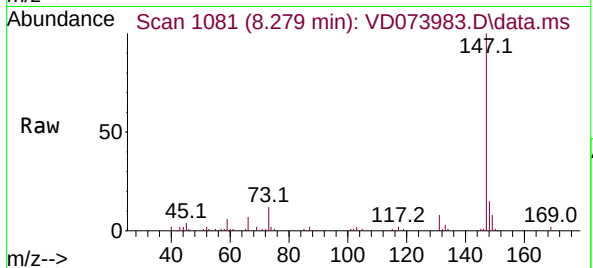




#43
Isopropyl Acetate
Concen: 1.526 ug/l
RT: 8.279 min Scan# 1081
Delta R.T. -0.165 min
Lab File: VD073983.D
Acq: 08 Aug 2022 20:23

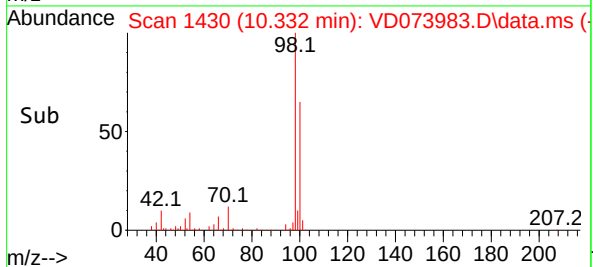
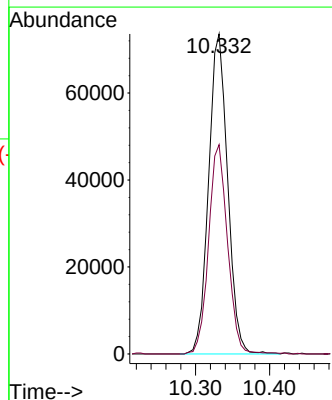
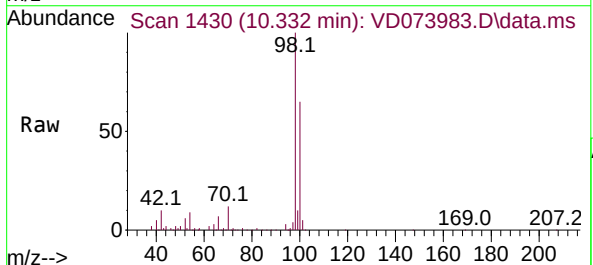
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

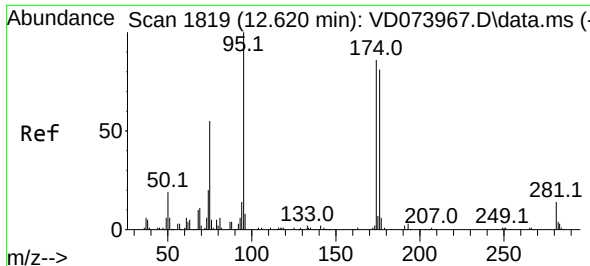
Tgt Ion: 43 Resp: 1861
Ion Ratio Lower Upper
43 100
61 3.5 25.8 38.6#
87 48.3 11.8 17.8#



#50
Toluene-d8
Concen: 44.346 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073983.D
Acq: 08 Aug 2022 20:23

Tgt Ion: 98 Resp: 131145
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6

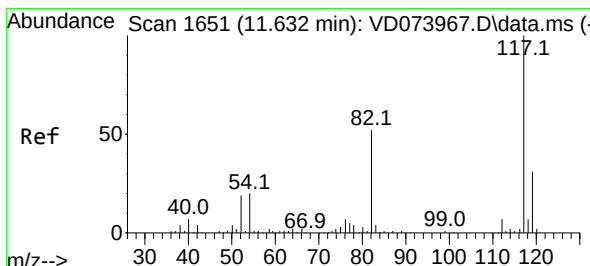
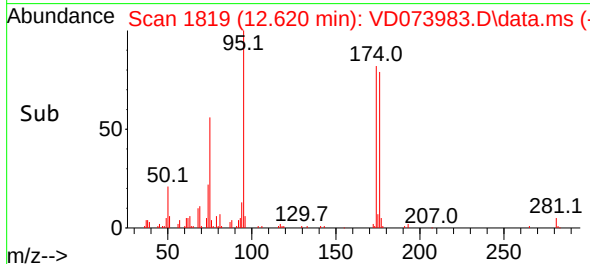
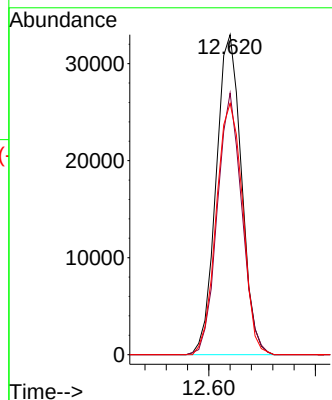
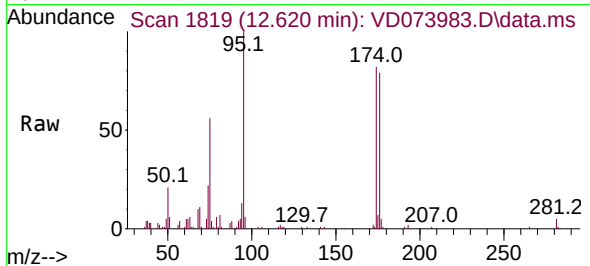




#62
4-Bromofluorobenzene
Concen: 38.405 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073983.D
Acq: 08 Aug 2022 20:23

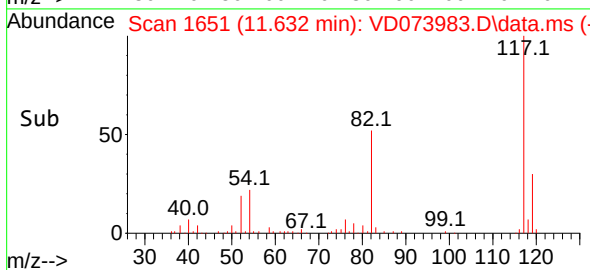
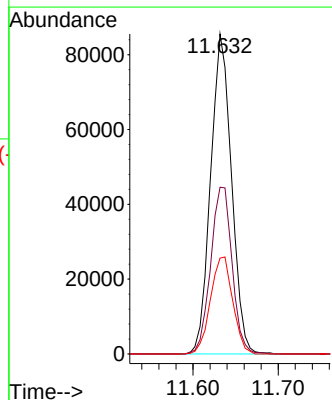
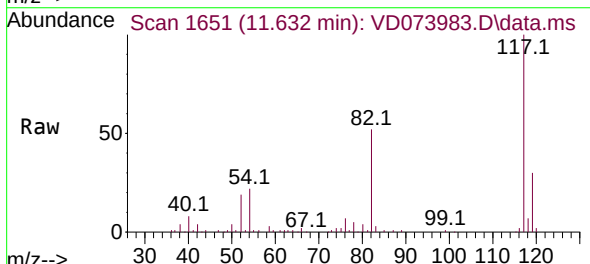
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

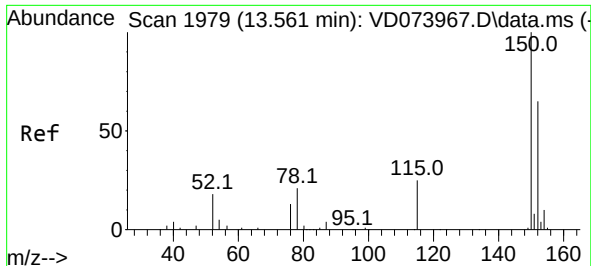
Tgt Ion: 95 Resp: 54399
Ion Ratio Lower Upper
95 100
174 79.2 0.0 163.0
176 81.6 0.0 154.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073983.D
Acq: 08 Aug 2022 20:23

Tgt Ion: 117 Resp: 145608
Ion Ratio Lower Upper
117 100
82 52.1 42.0 63.0
119 29.9 24.8 37.2

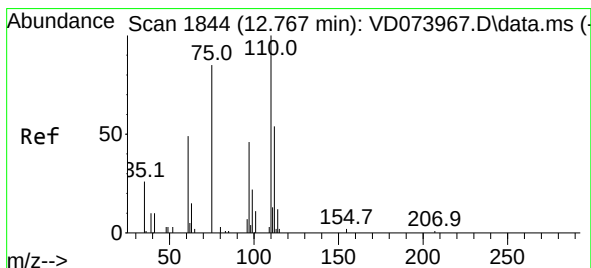
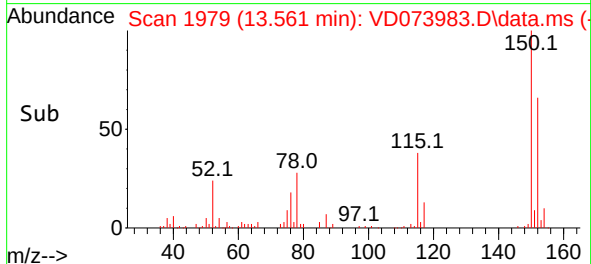
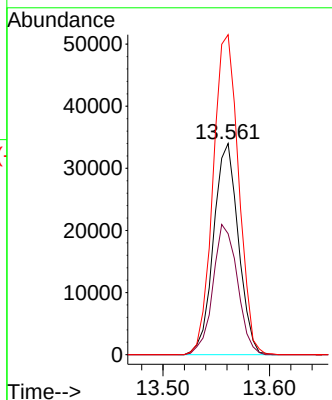
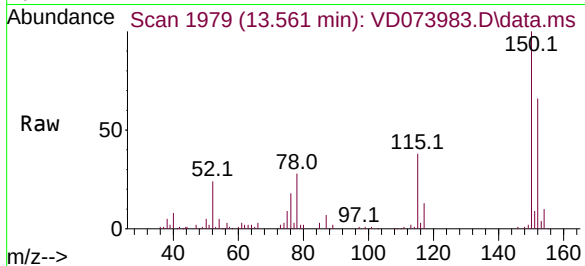




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VD073983.D
 Acq: 08 Aug 2022 20:23

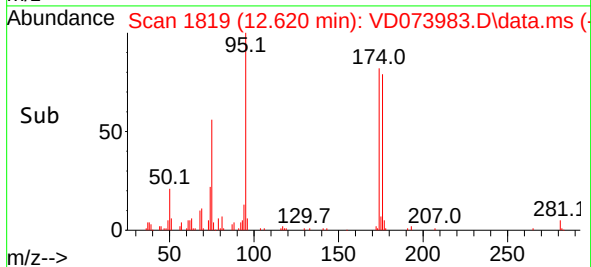
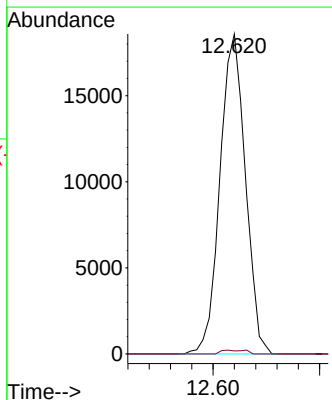
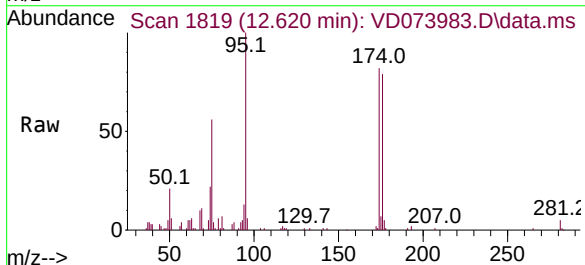
Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

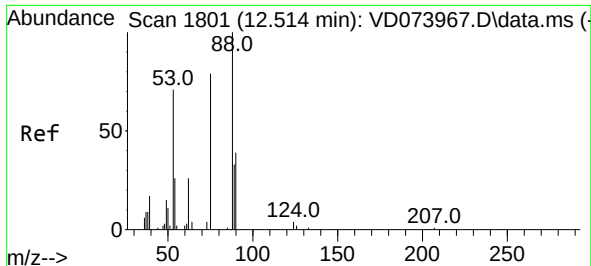
Tgt Ion:152 Resp: 54952
 Ion Ratio Lower Upper
 152 100
 115 60.9 30.4 91.3
 150 155.6 0.0 357.2



#76
 1,2,3-Trichloropropane
 Concen: 60.633 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073983.D
 Acq: 08 Aug 2022 20:23

Tgt Ion: 75 Resp: 30703
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

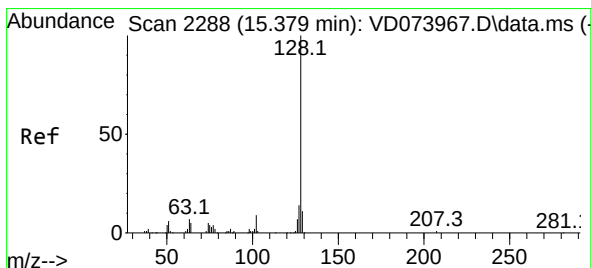
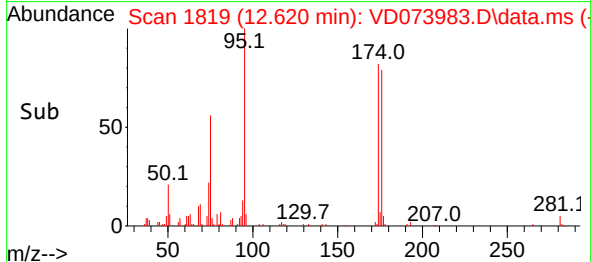
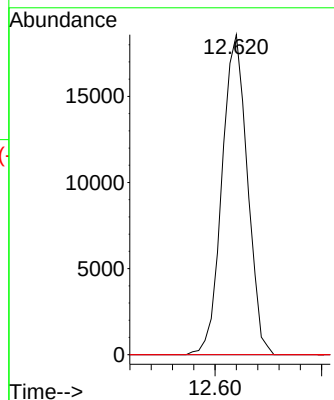
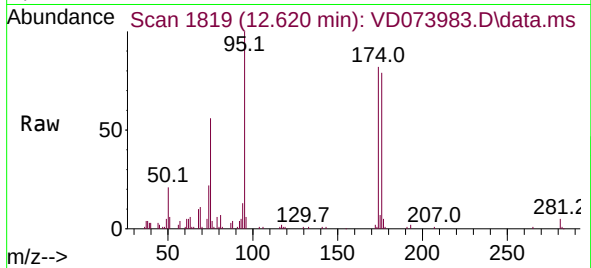




#81
trans-1,4-Dichloro-2-butene
Concen: 152.224 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073983.D
Acq: 08 Aug 2022 20:23

Instrument :
MSVOA_D
ClientSampleId :
COMP-2

Tgt Ion: 75 Resp: 30703
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.6#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 8.185 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.006 min
Lab File: VD073983.D
Acq: 08 Aug 2022 20:23

Tgt Ion: 128 Resp: 14271
Ion Ratio Lower Upper
128 100
127 11.6 10.9 16.3
129 11.8 8.5 12.7

