

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073223.D
 Acq On : 21 May 2022 11:36
 Operator : VA/SY
 Sample : N2885-02
 Misc : 5.60G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P004-SS002-1824-01

Quant Time: May 22 00:02:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

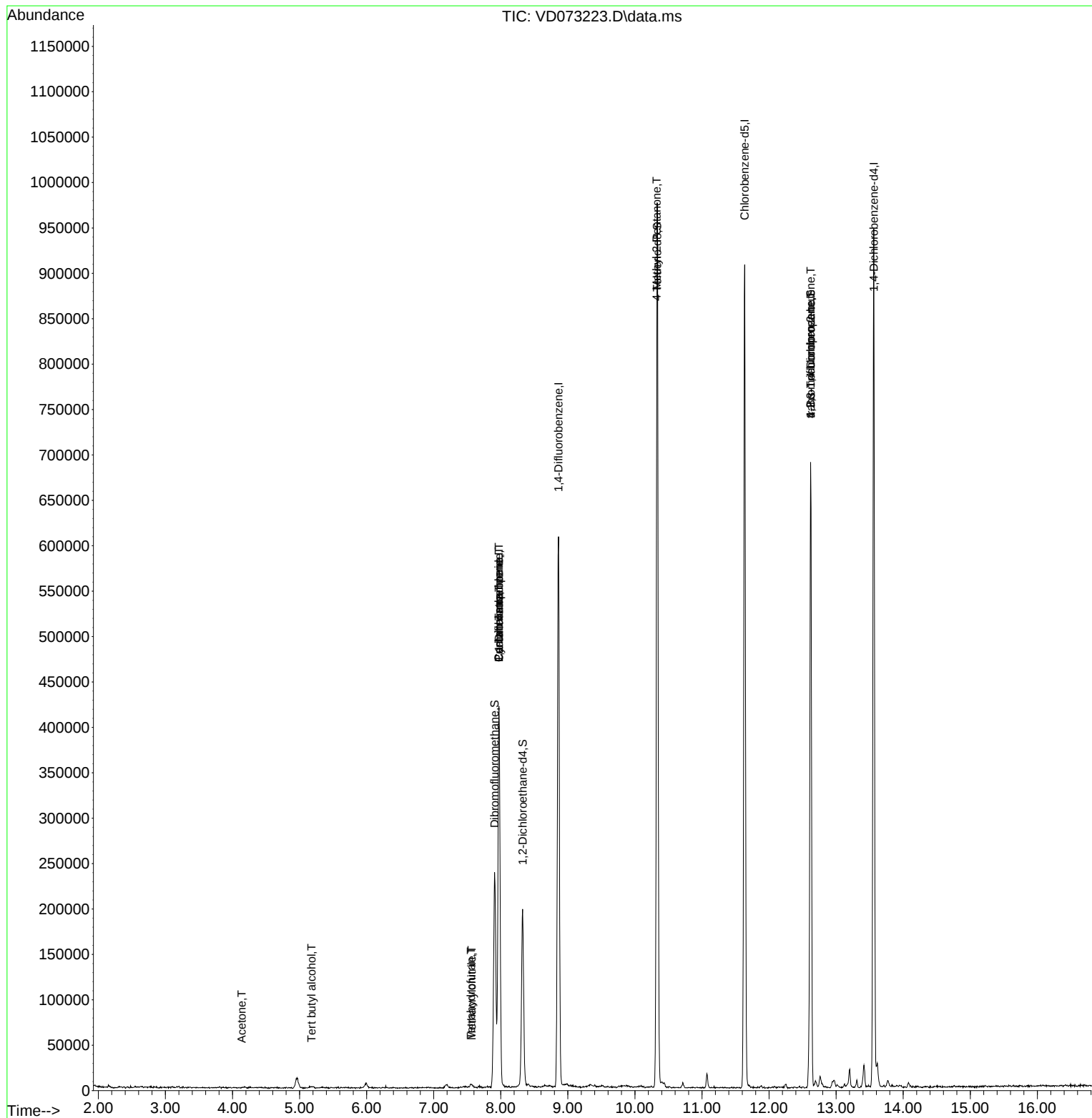
Internal Standards						
1) Pentafluorobenzene	7.973	168	300977	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	519920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	531172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	242122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	149272	44.877	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 89.760%			
35) Dibromofluoromethane	7.908	113	175730	51.222	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.440%			
50) Toluene-d8	10.332	98	653803	51.698	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.400%			
62) 4-Bromofluorobenzene	12.620	95	229850	51.788	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.580%			
Target Compounds						
5) Bromomethane	2.785	94	498	Below Cal	#	43
11) Tert butyl alcohol	5.179	59	1256	2.434	ug/l #	74
16) Acetone	4.138	43	594	1.031	ug/l #	47
20) Methylene Chloride	4.967	84	8509	Below Cal	#	68
29) Tetrahydrofuran	7.556	42	1815	3.330	ug/l	97
31) Cyclohexane	7.973	56	7892	1.358	ug/l #	4
36) 1,1-Dichloropropene	7.973	75	24593	4.766	ug/l #	51
38) Carbon Tetrachloride	7.973	117	31696	6.060	ug/l #	17
41) Methacrylonitrile	7.567	41	1338	1.127	ug/l #	27
51) 4-Methyl-2-Pentanone	10.326	43	3057	1.562	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	119279	50.209	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	119279	120.537	ug/l #	7

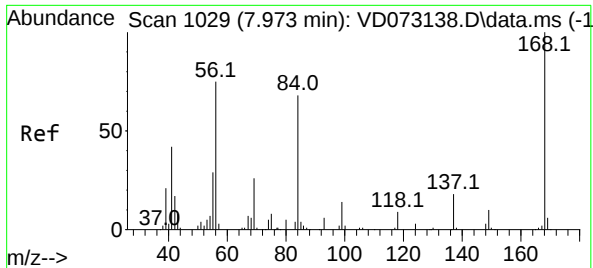
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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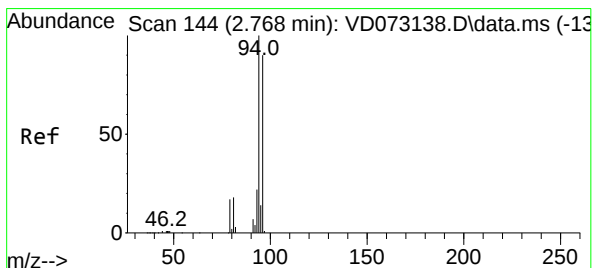
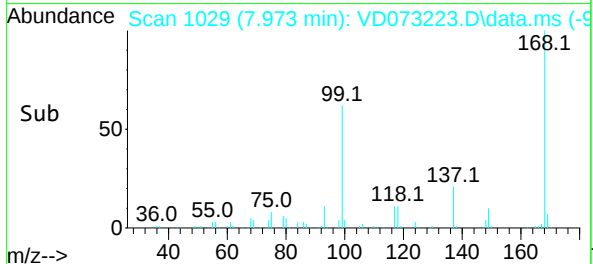
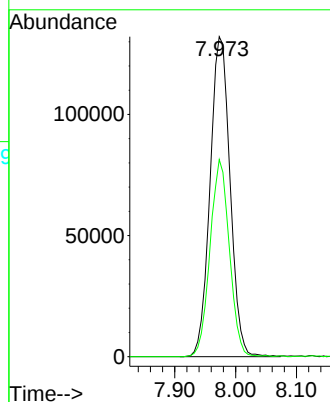
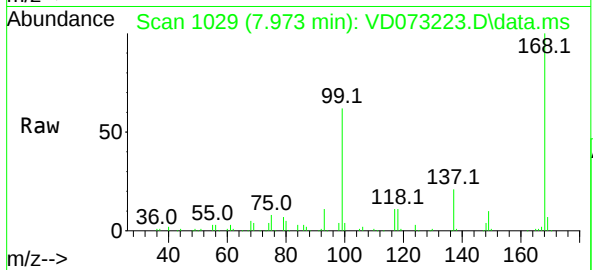




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073223.D
Acq: 21 May 2022 11:36

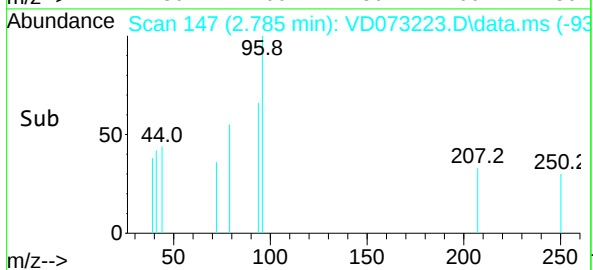
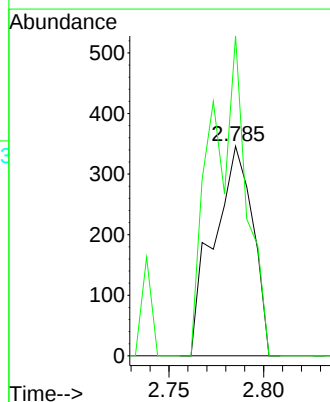
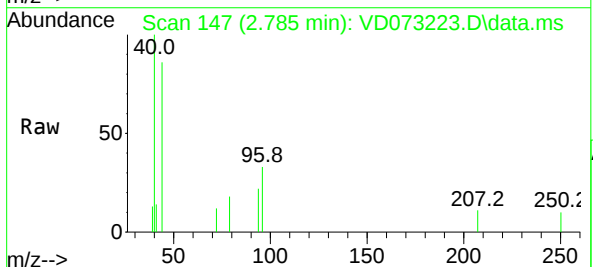
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-1824-01

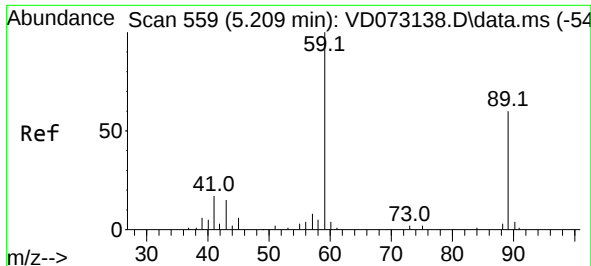
Tgt Ion:168 Resp: 300977
Ion Ratio Lower Upper
168 100
99 61.6 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD073223.D
Acq: 21 May 2022 11:36

Tgt Ion: 94 Resp: 498
Ion Ratio Lower Upper
94 100
96 152.6 77.6 116.4#

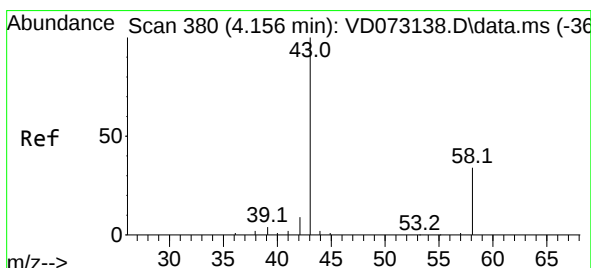
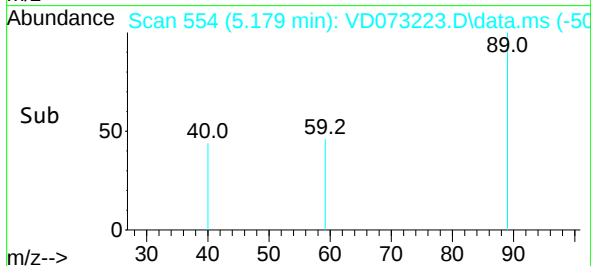
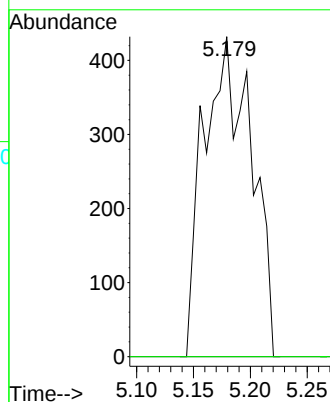
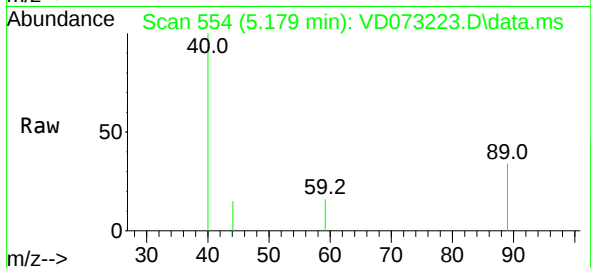




#11
Tert butyl alcohol
Concen: 2.434 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073223.D
Acq: 21 May 2022 11:36

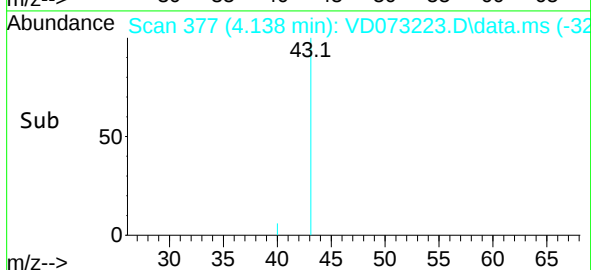
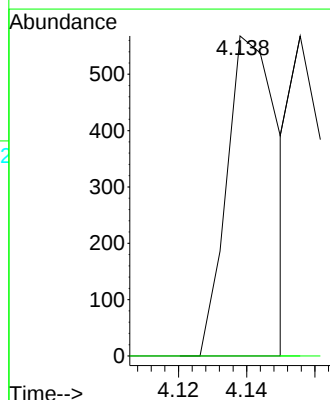
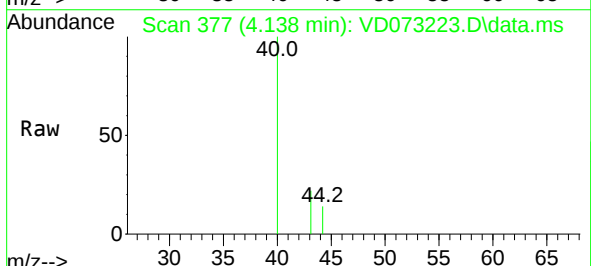
Instrument :
MSVOA_D
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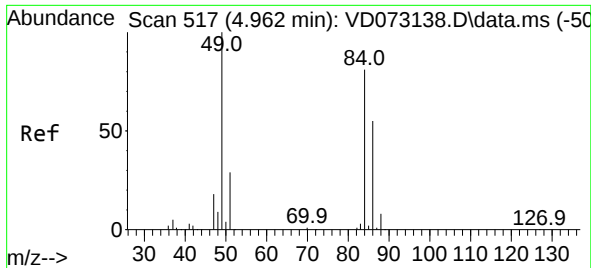
Tgt Ion: 59 Resp: 1256
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 1.031 ug/l
RT: 4.138 min Scan# 377
Delta R.T. -0.018 min
Lab File: VD073223.D
Acq: 21 May 2022 11:36

Tgt Ion: 43 Resp: 594
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

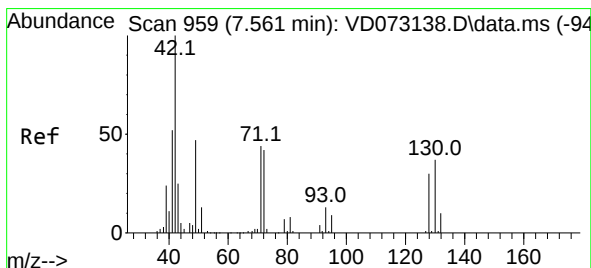
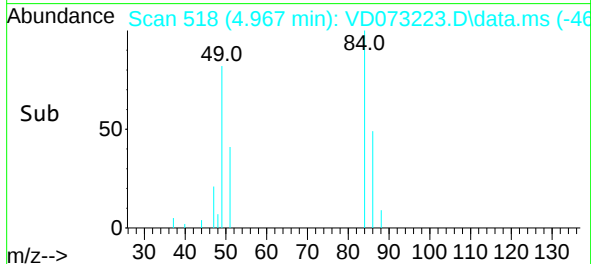
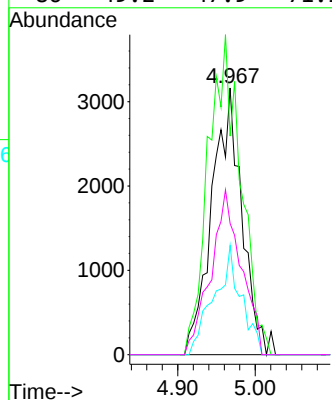
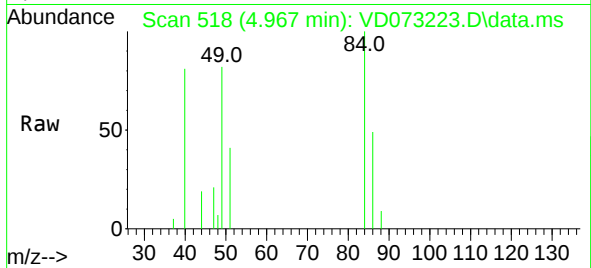




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 517
Delta R.T. 0.005 min
Lab File: VD073223.D
Acq: 21 May 2022 11:36

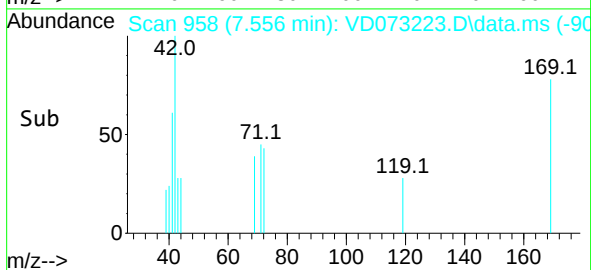
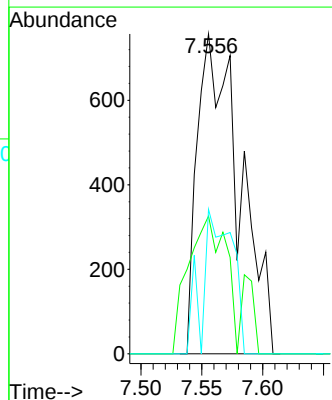
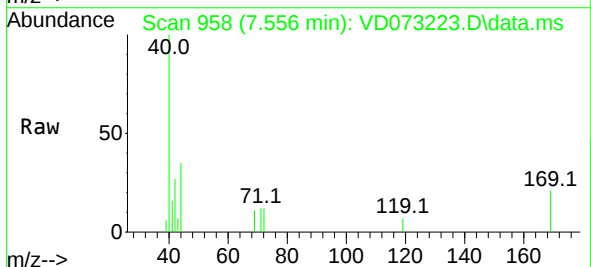
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-1824-01

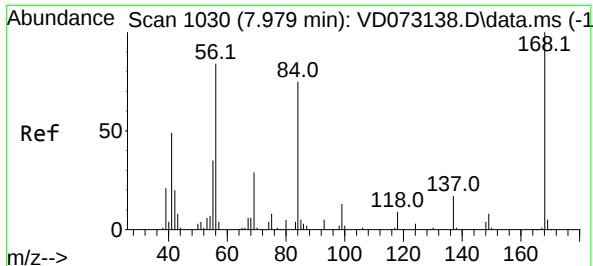
Tgt Ion:	84	Resp:	8509
Ion	Ratio	Lower	Upper
84	100		
49	81.9	112.8	169.2#
51	41.0	32.6	48.8
86	49.2	47.9	71.9



#29
Tetrahydrofuran
Concen: 3.330 ug/l
RT: 7.556 min Scan# 958
Delta R.T. -0.005 min
Lab File: VD073223.D
Acq: 21 May 2022 11:36

Tgt Ion:	42	Resp:	1815
Ion	Ratio	Lower	Upper
42	100		
72	38.6	30.7	46.1
71	32.2	28.6	43.0





#31

Cyclohexane

Concen: 1.358 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073223.D

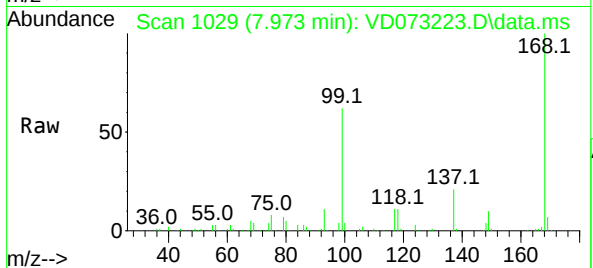
Acq: 21 May 2022 11:36

Instrument :

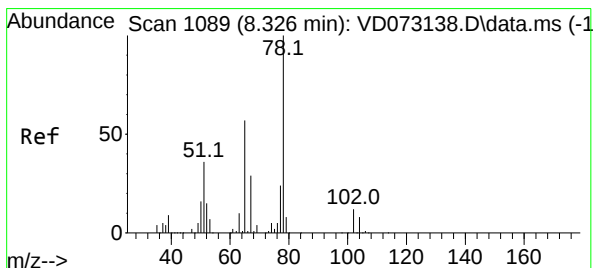
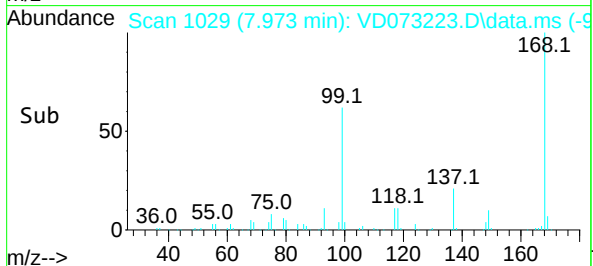
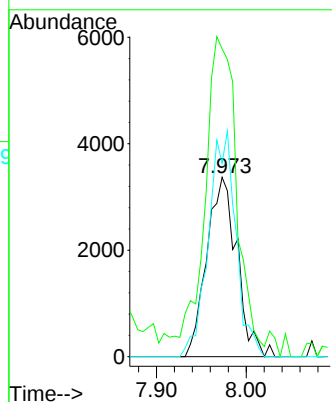
MSVOA_D

ClientSampleId :

P004-SS002-1824-01



Tgt Ion:	56	Resp:	7892
Ion Ratio	Lower	Upper	
56	100		
69	171.7	25.4	38.2#
84	107.9	63.0	94.4#



#33

1,2-Dichloroethane-d4

Concen: 44.877 ug/l

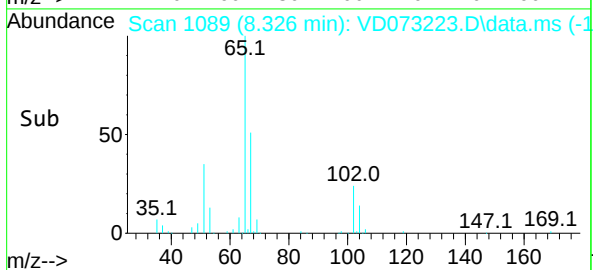
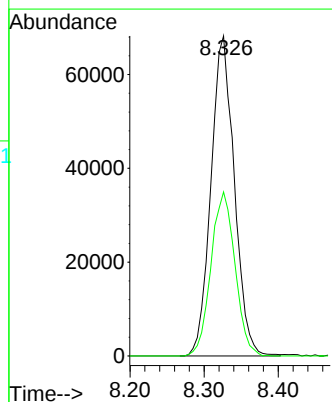
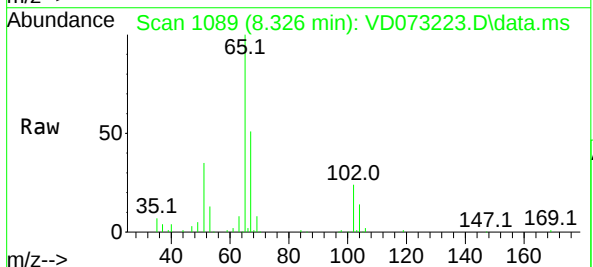
RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073223.D

Acq: 21 May 2022 11:36

Tgt Ion:	65	Resp:	149272
Ion Ratio	Lower	Upper	
65	100		
67	52.7	0.0	101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073223.D

Acq: 21 May 2022 11:36

Instrument :

MSVOA_D

ClientSampleId :

P004-SS002-1824-01

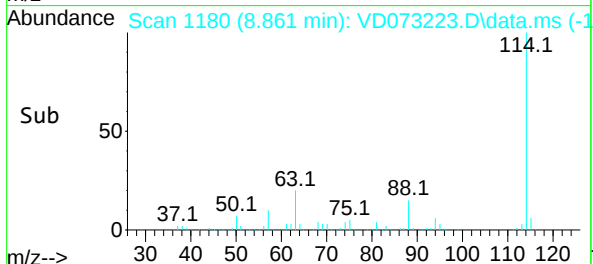
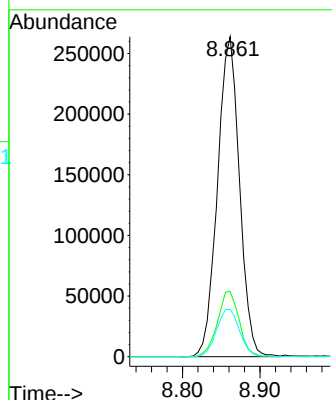
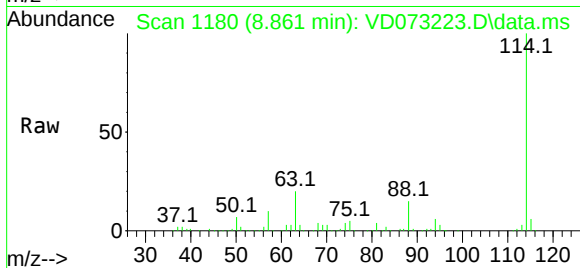
Tgt Ion:114 Resp: 519920

Ion Ratio Lower Upper

114 100

63 20.4 0.0 46.6

88 14.9 0.0 33.2



#35

Dibromofluoromethane

Concen: 51.222 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073223.D

Acq: 21 May 2022 11:36

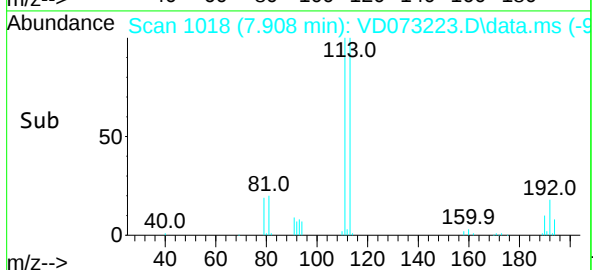
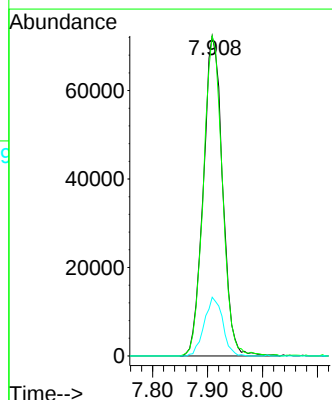
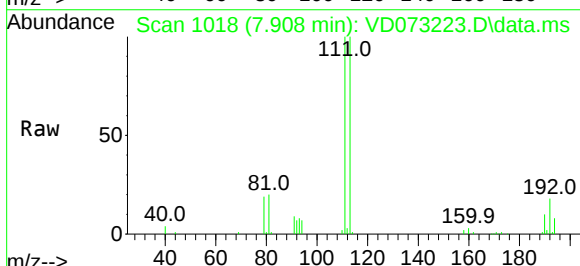
Tgt Ion:113 Resp: 175730

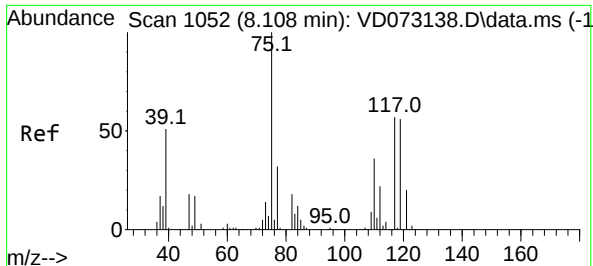
Ion Ratio Lower Upper

113 100

111 98.6 83.8 125.6

192 17.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.766 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073223.D

Acq: 21 May 2022 11:36

Instrument :

MSVOA_D

ClientSampleId :

P004-SS002-1824-01

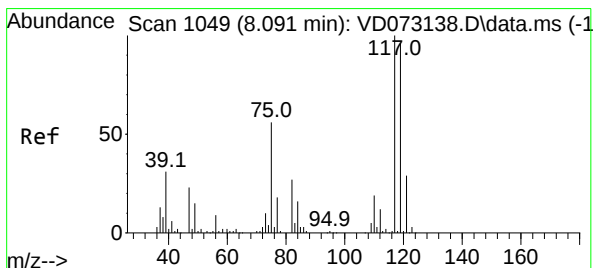
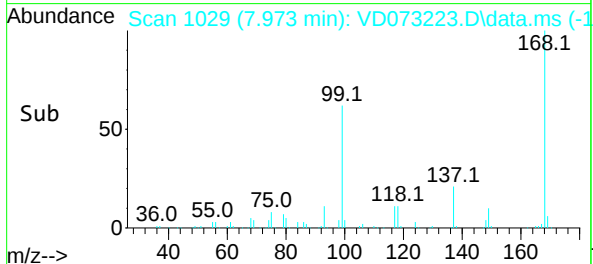
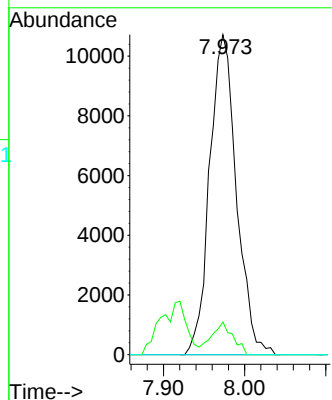
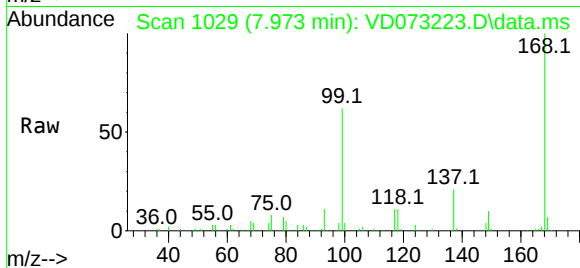
Tgt Ion: 75 Resp: 24593

Ion Ratio Lower Upper

75 100

110 8.1 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 6.060 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073223.D

Acq: 21 May 2022 11:36

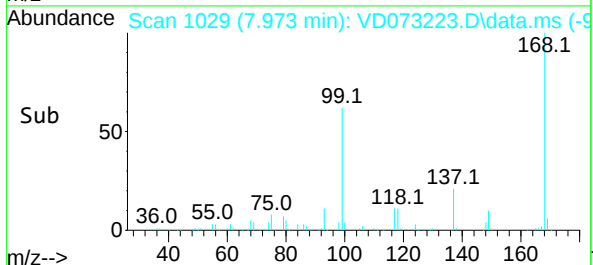
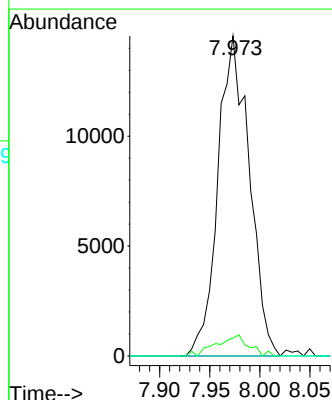
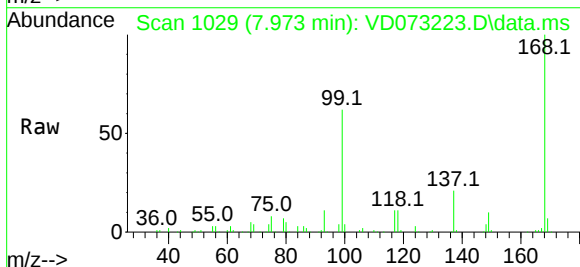
Tgt Ion: 117 Resp: 31696

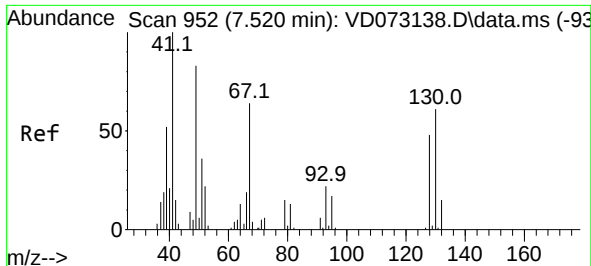
Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.6#

121 0.0 24.5 36.7#

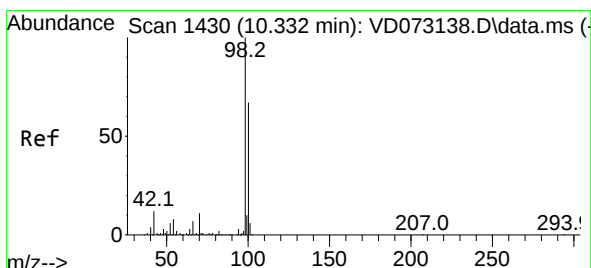
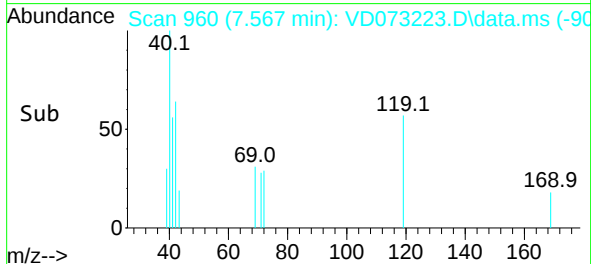
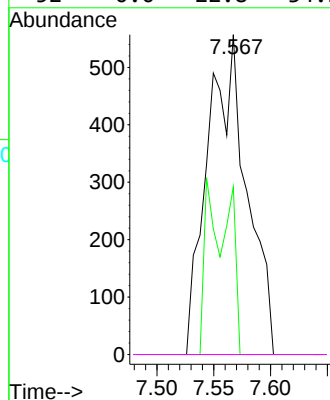
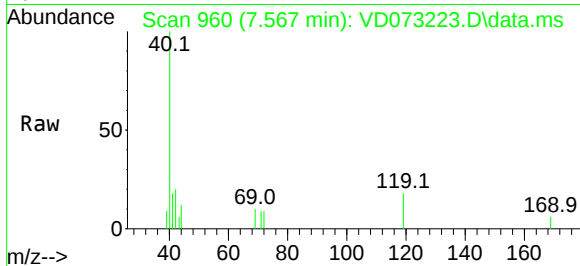




#41
Methacrylonitrile
Concen: 1.127 ug/l
RT: 7.567 min Scan# 90
Delta R.T. 0.047 min
Lab File: VD073223.D
Acq: 21 May 2022 11:36

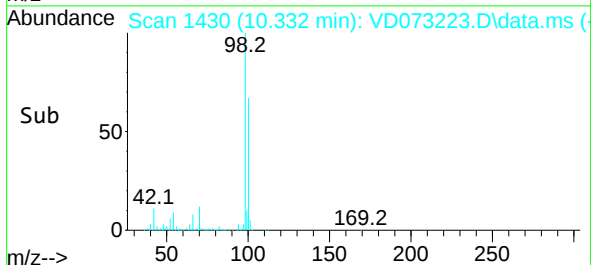
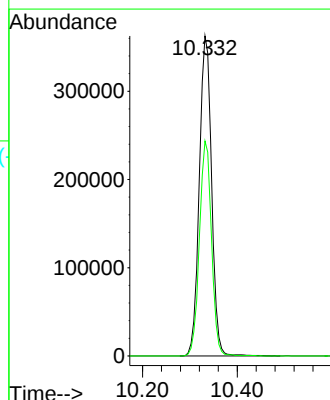
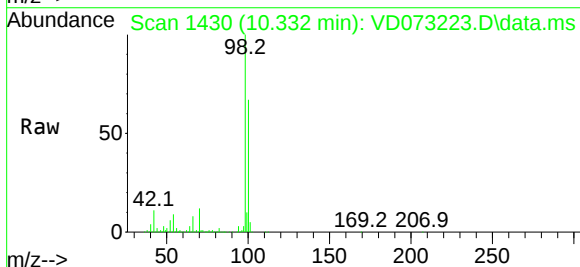
Instrument :
MSVOA_D
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P004-SS002-1824-01

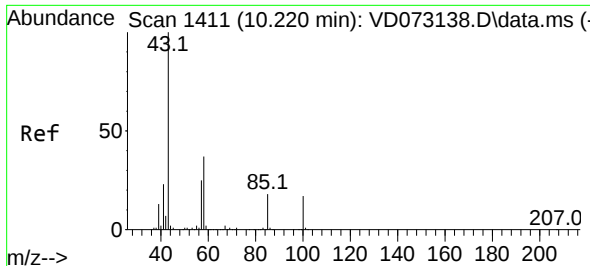
Tgt Ion: 41	Resp: 1338
Ion Ratio	Lower Upper
41 100	
39 0.0	44.6 67.0#
67 0.0	48.2 72.4#
52 0.0	22.8 34.2#



#50
Toluene-d8
Concen: 51.698 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073223.D
Acq: 21 May 2022 11:36

Tgt Ion: 98	Resp: 653803
Ion Ratio	Lower Upper
98 100	
100 66.0	52.4 78.6

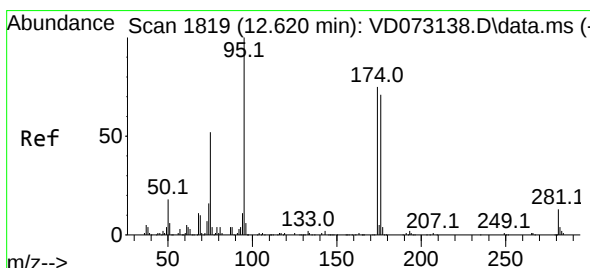
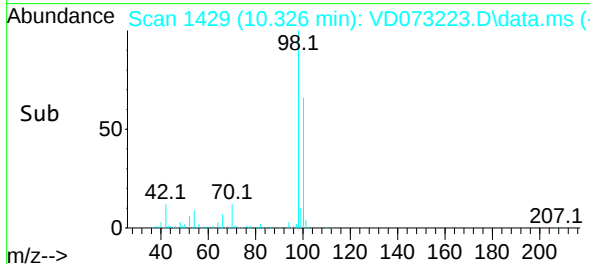
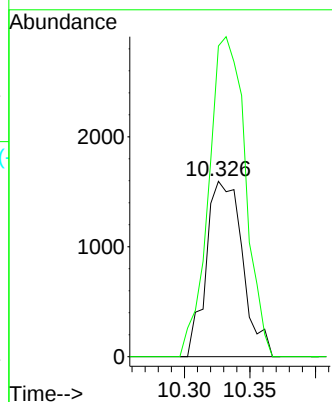
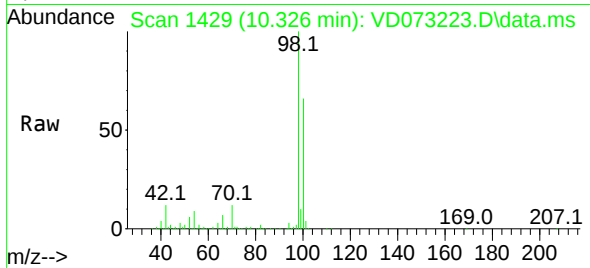




#51
4-Methyl-2-Pentanone
Concen: 1.562 ug/l
RT: 10.326 min Scan# 1411
Delta R.T. 0.106 min
Lab File: VD073223.D
Acq: 21 May 2022 11:36

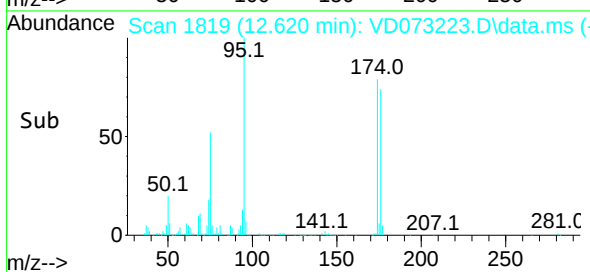
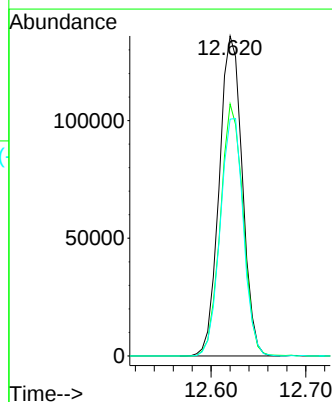
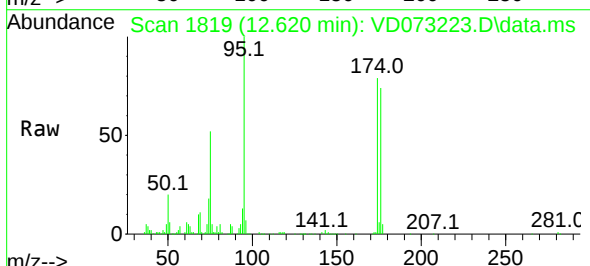
Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-1824-01

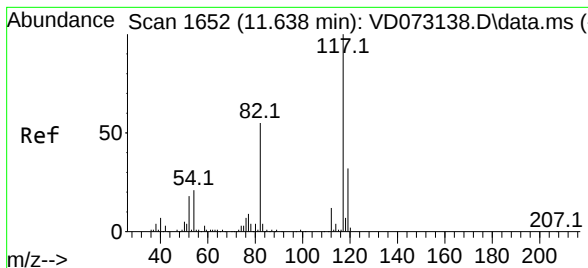
Tgt Ion: 43 Resp: 3057
Ion Ratio Lower Upper
43 100
58 185.1 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 51.788 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073223.D
Acq: 21 May 2022 11:36

Tgt Ion: 95 Resp: 229850
Ion Ratio Lower Upper
95 100
174 77.4 0.0 152.8
176 74.6 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD073223.D

Acq: 21 May 2022 11:36

Instrument :

MSVOA_D

ClientSampleId :

P004-SS002-1824-01

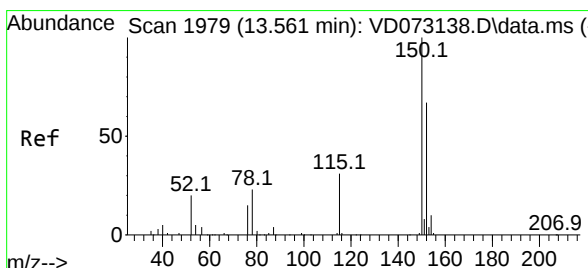
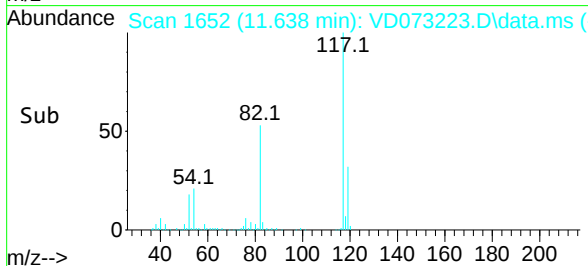
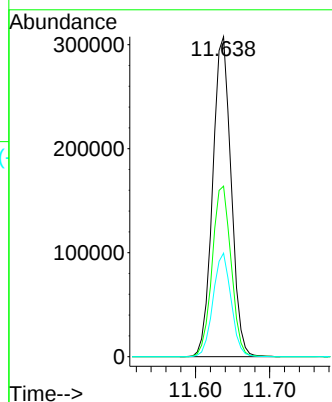
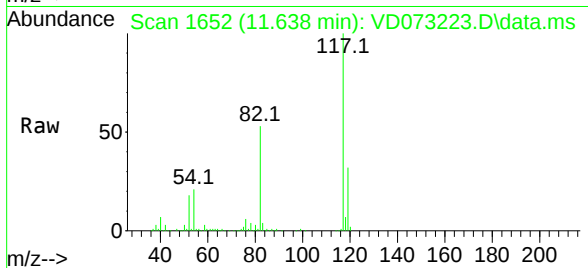
Tgt Ion:117 Resp: 531172

Ion Ratio Lower Upper

117 100

82 53.3 45.3 67.9

119 32.3 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: VD073223.D

Acq: 21 May 2022 11:36

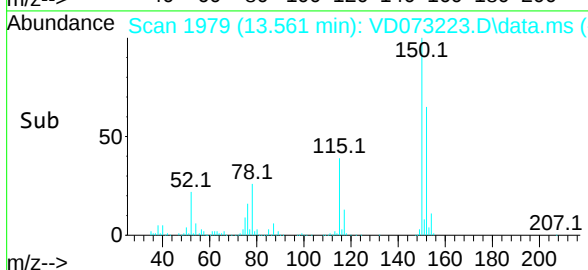
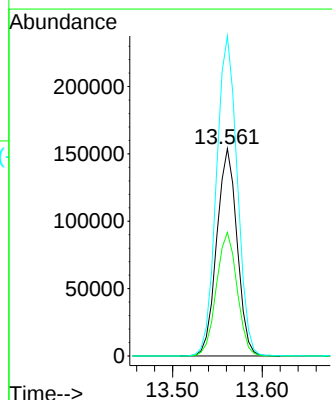
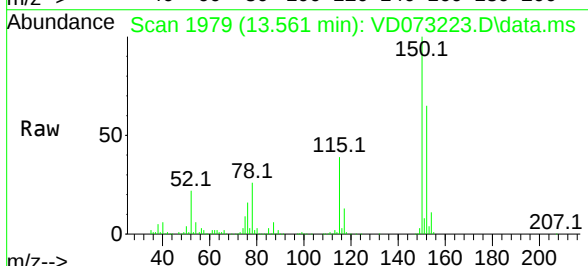
Tgt Ion:152 Resp: 242122

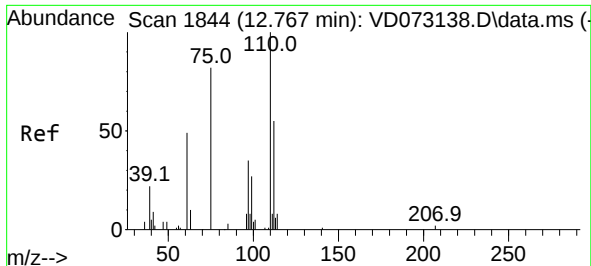
Ion Ratio Lower Upper

152 100

115 60.6 31.3 93.8

150 158.0 0.0 348.6

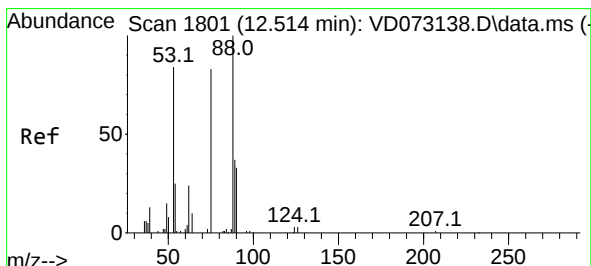
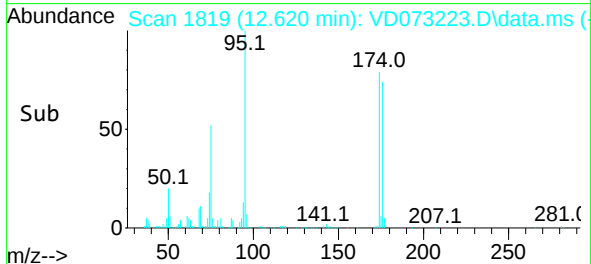
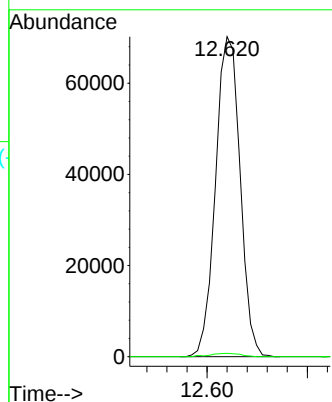
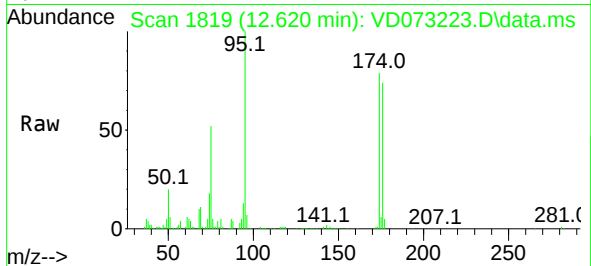




#76
1,2,3-Trichloropropane
Concen: 50.209 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073223.D
Acq: 21 May 2022 11:36

Instrument :
MSVOA_D
ClientSampleId :
P004-SS002-1824-01

Tgt Ion: 75 Resp: 119279
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.537 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073223.D
Acq: 21 May 2022 11:36

Tgt Ion: 75 Resp: 119279
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

