

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073123\
 Data File : VD076879.D
 Acq On : 31 Jul 2023 17:24
 Operator : KP/SY
 Sample : 03826-01
 Misc : 5.06G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-01-072823

Quant Time: Aug 01 02:12:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

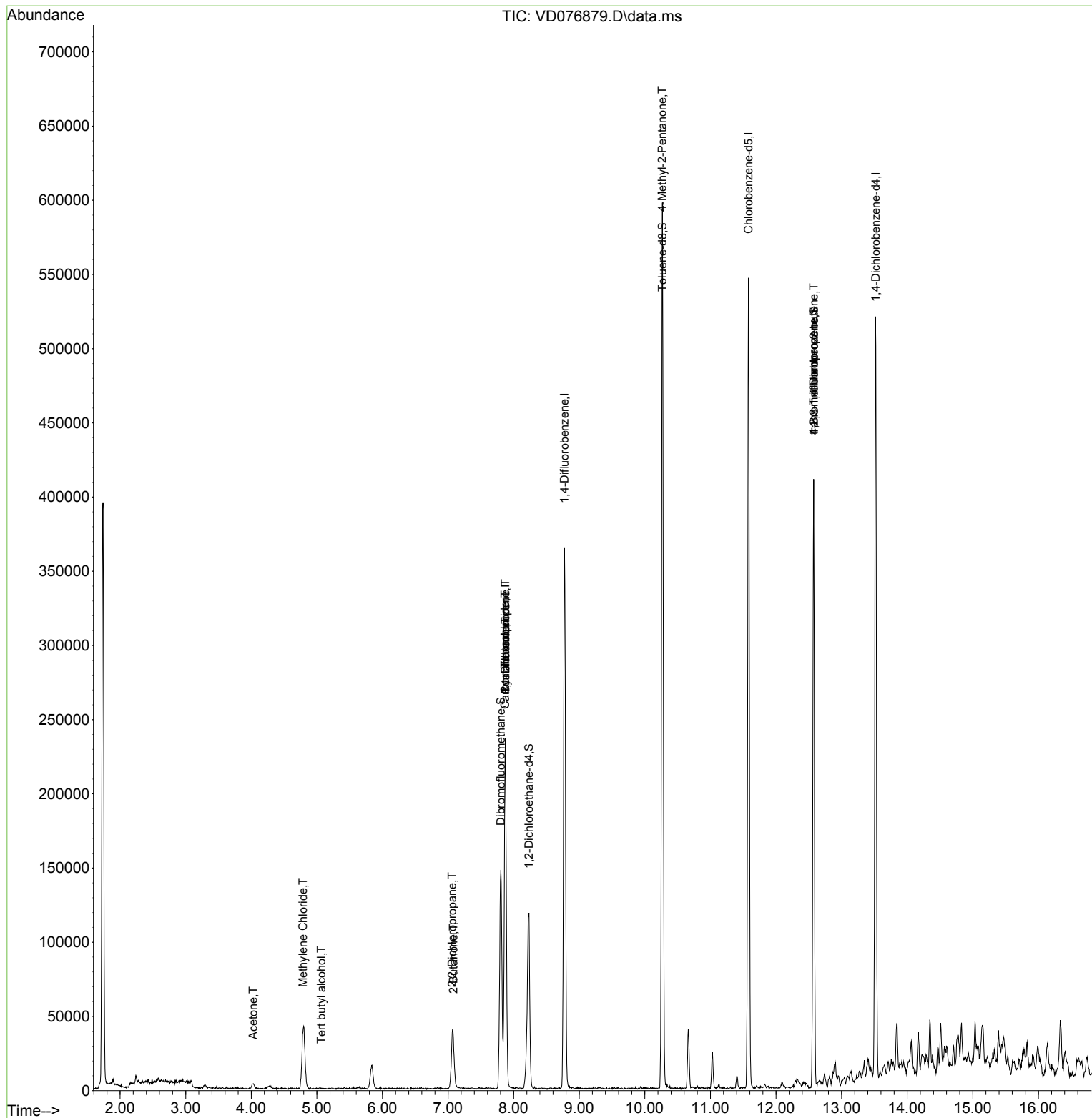
Internal Standards						
1) Pentafluorobenzene	7.875	168	174850	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	339618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	321269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	138795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	90870	52.177	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.360%	
35) Dibromofluoromethane	7.804	113	111530	52.259	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.520%	
50) Toluene-d8	10.269	98	416904	54.606	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.220%	
62) 4-Bromofluorobenzene	12.575	95	120176	48.657	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.320%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.069	59	164	1.262	ug/l	# 73
16) Acetone	4.028	43	5636	13.551	ug/l	91
20) Methylene Chloride	4.787	84	34375	4.509	ug/l	96
25) 2-Butanone	7.081	43	1896	3.406	ug/l	# 37
26) 2,2-Dichloropropane	7.063	77	3316	1.062	ug/l	# 49
31) Cyclohexane	7.875	56	3609	1.408	ug/l	# 1
36) 1,1-Dichloropropene	7.875	75	14731	5.282	ug/l	# 48
38) Carbon Tetrachloride	7.869	117	18502	6.929	ug/l	# 18
51) 4-Methyl-2-Pentanone	10.263	43	1572	1.213	ug/l	# 1
76) 1,2,3-Trichloropropane	12.575	75	64603	48.945	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	64603	104.166	ug/l	# 17

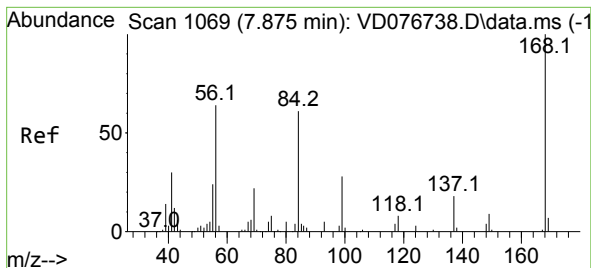
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD076879.D

Acq: 31 Jul 2023 17:24

Instrument :

MSVOA_D

ClientSampleId :

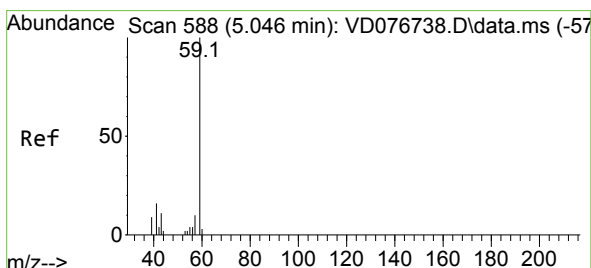
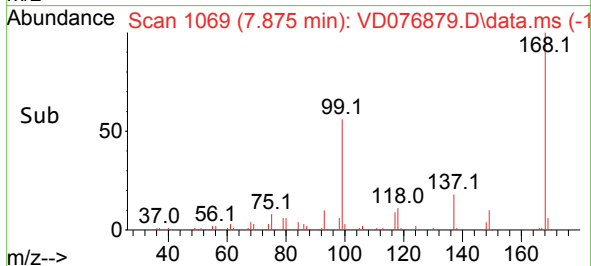
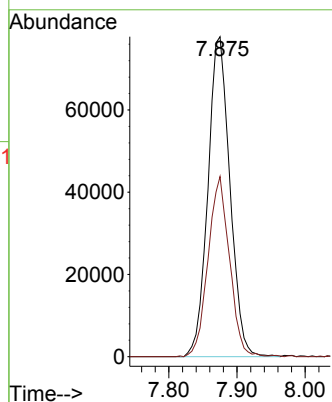
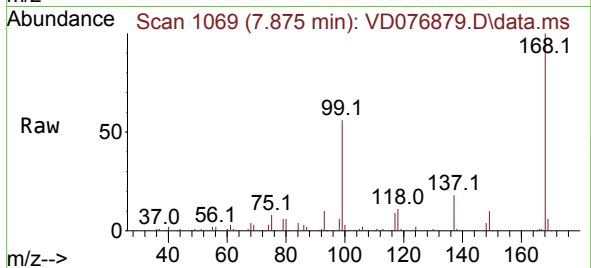
HR-01-072823

Tgt Ion:168 Resp: 174850

Ion Ratio Lower Upper

168 100

99 56.1 36.7 55.1#



#11

Tert butyl alcohol

Concen: 1.262 ug/l

RT: 5.069 min Scan# 592

Delta R.T. 0.023 min

Lab File: VD076879.D

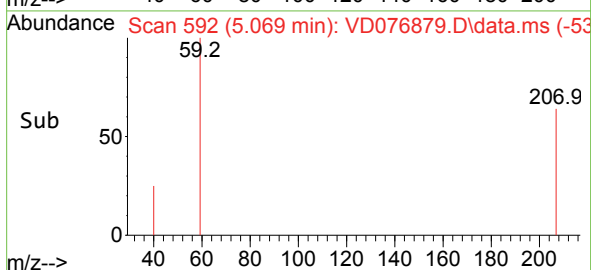
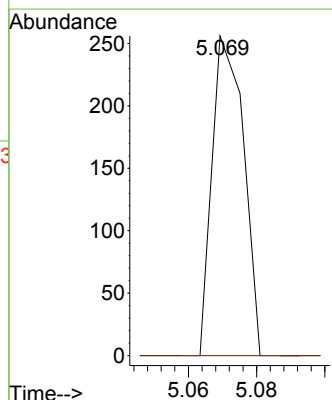
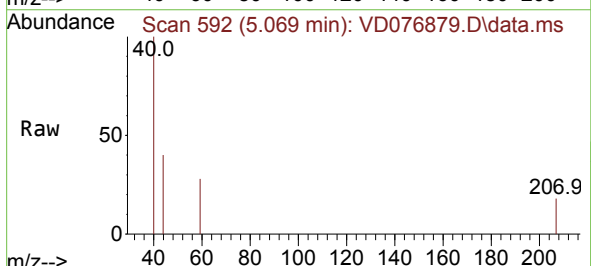
Acq: 31 Jul 2023 17:24

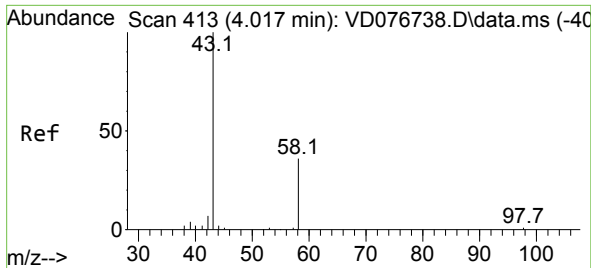
Tgt Ion: 59 Resp: 164

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#16

Acetone

Concen: 13.551 ug/l

RT: 4.028 min Scan# 41

Delta R.T. 0.011 min

Lab File: VD076879.D

Acq: 31 Jul 2023 17:24

Instrument :

MSVOA_D

ClientSampleId :

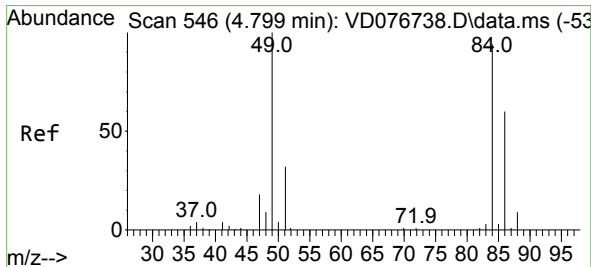
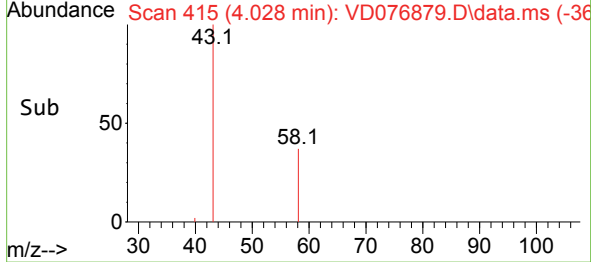
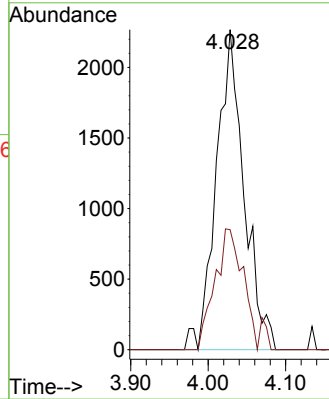
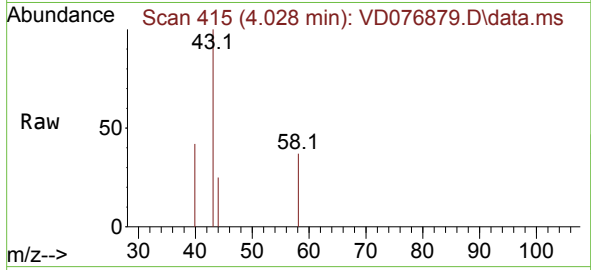
HR-01-072823

Tgt Ion: 43 Resp: 5636

Ion Ratio Lower Upper

43 100

58 37.5 34.7 52.1



#20

Methylene Chloride

Concen: 4.509 ug/l

RT: 4.787 min Scan# 544

Delta R.T. -0.012 min

Lab File: VD076879.D

Acq: 31 Jul 2023 17:24

Tgt Ion: 84 Resp: 34375

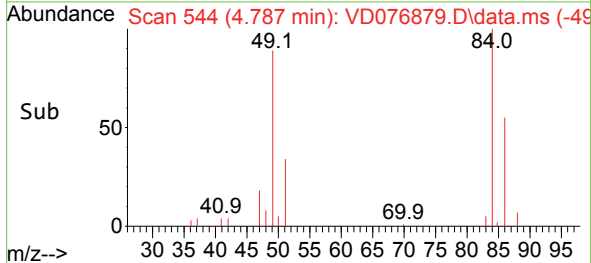
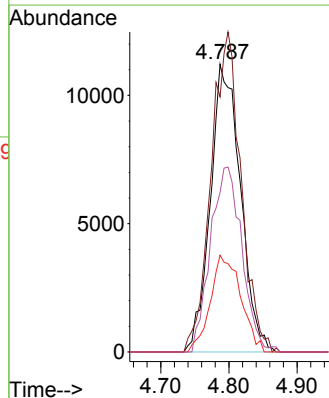
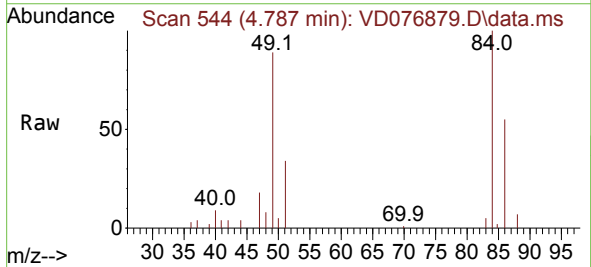
Ion Ratio Lower Upper

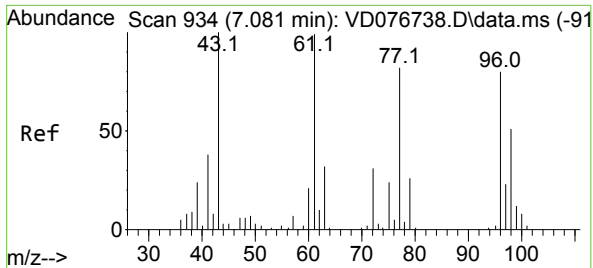
84 100

49 88.7 71.4 107.2

51 33.6 24.5 36.7

86 55.4 48.7 73.1

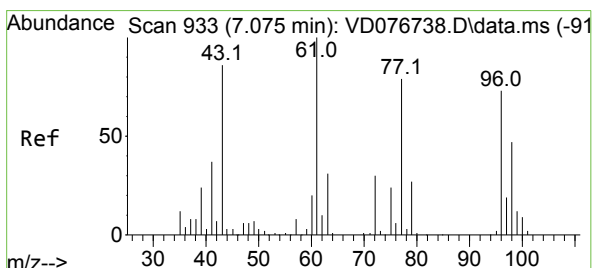
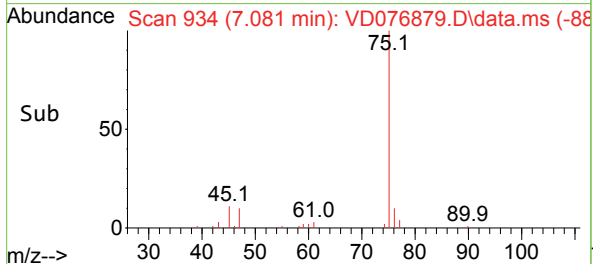
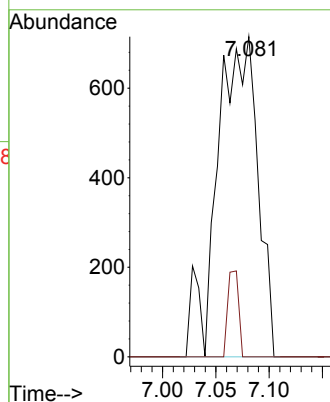
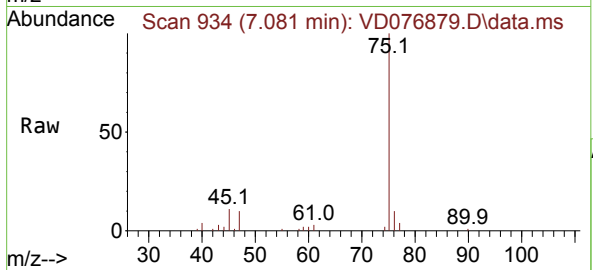




#25
2-Butanone
Concen: 3.406 ug/l
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD076879.D
Acq: 31 Jul 2023 17:24

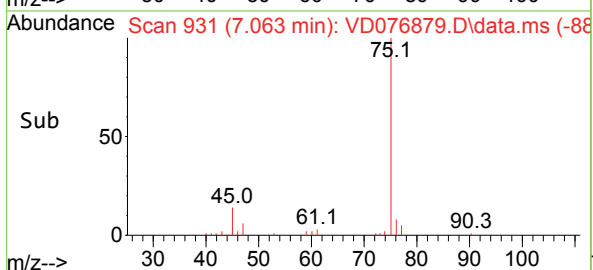
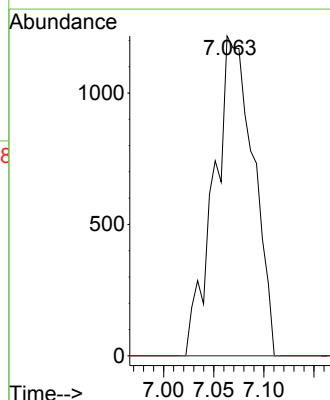
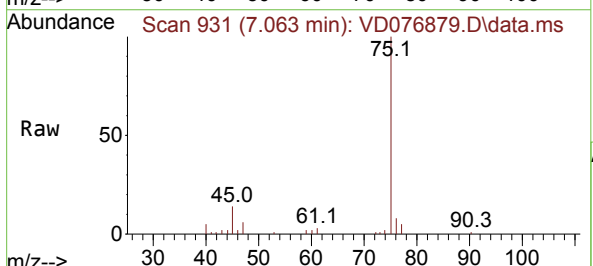
Instrument :
MSVOA_D
ClientSampleId :
HR-01-072823

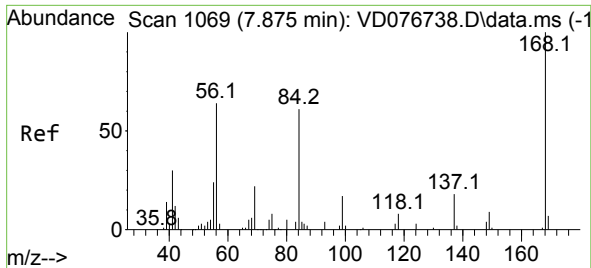
Tgt Ion: 43 Resp: 1896
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#26
2,2-Dichloropropane
Concen: 1.062 ug/l
RT: 7.063 min Scan# 931
Delta R.T. -0.012 min
Lab File: VD076879.D
Acq: 31 Jul 2023 17:24

Tgt Ion: 77 Resp: 3316
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#

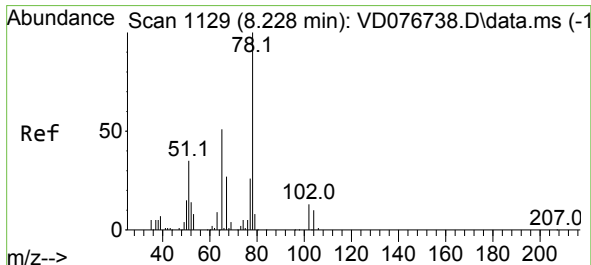
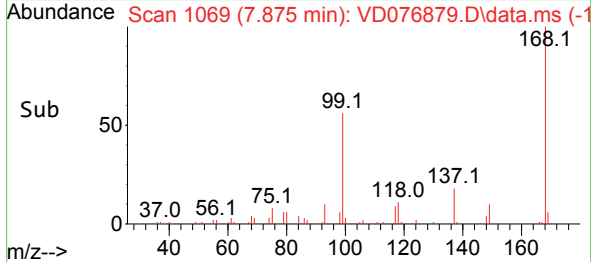
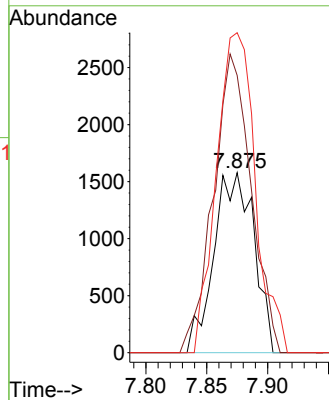
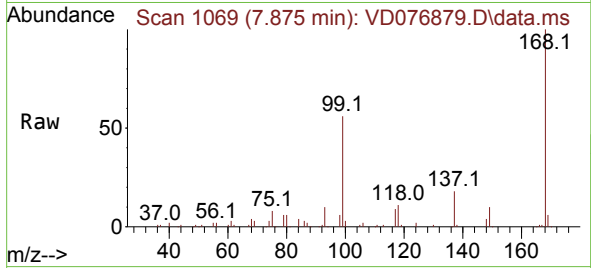




#31
Cyclohexane
Concen: 1.408 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076879.D
Acq: 31 Jul 2023 17:24

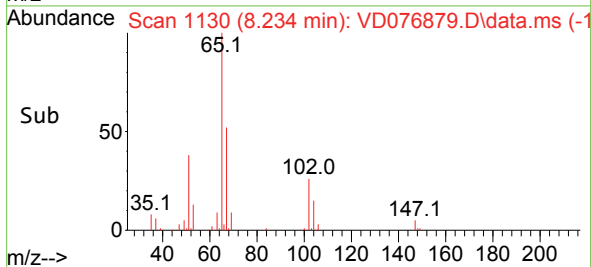
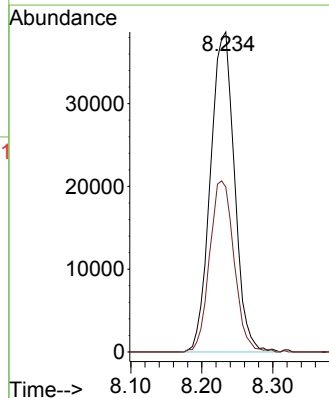
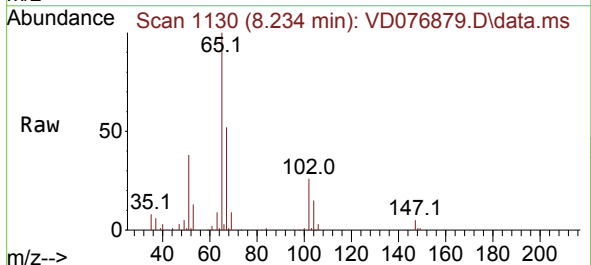
Instrument :
MSVOA_D
ClientSampleId :
HR-01-072823

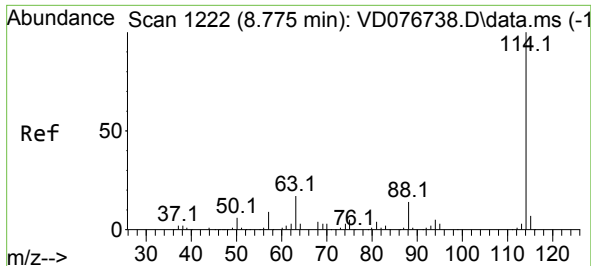
Tgt Ion: 56 Resp: 3609
Ion Ratio Lower Upper
56 100
69 154.1 28.6 43.0#
84 177.8 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 52.177 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD076879.D
Acq: 31 Jul 2023 17:24

Tgt Ion: 65 Resp: 90870
Ion Ratio Lower Upper
65 100
67 54.3 0.0 115.0

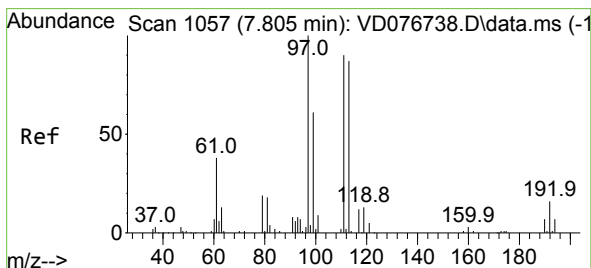
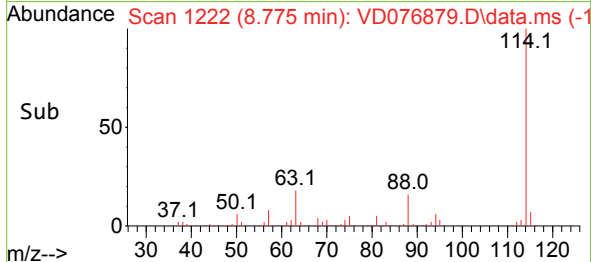
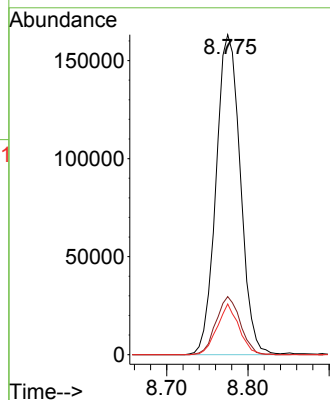
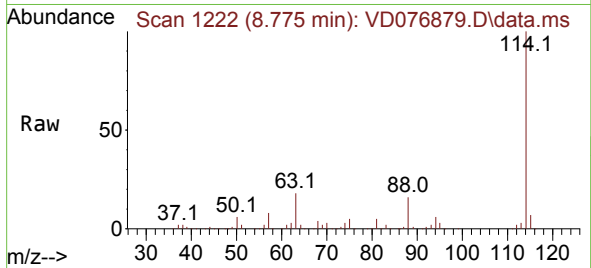




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076879.D
Acq: 31 Jul 2023 17:24

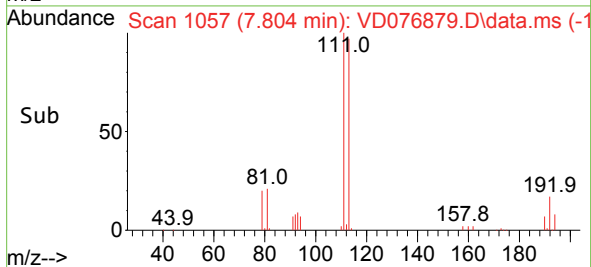
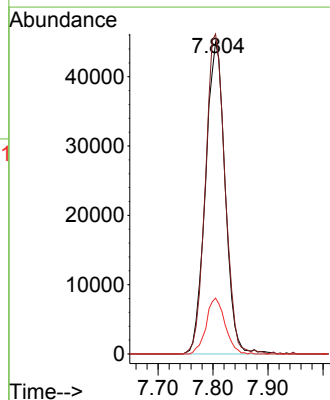
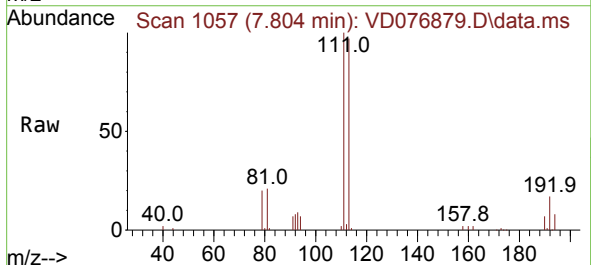
Instrument :
MSVOA_D
ClientSampleId :
HR-01-072823

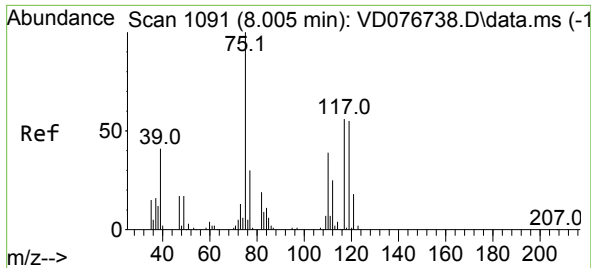
Tgt Ion:114 Resp: 339618
Ion Ratio Lower Upper
114 100
63 18.2 0.0 33.4
88 15.8 0.0 26.2



#35
Dibromofluoromethane
Concen: 52.259 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD076879.D
Acq: 31 Jul 2023 17:24

Tgt Ion:113 Resp: 111530
Ion Ratio Lower Upper
113 100
111 101.6 84.7 127.1
192 17.3 16.8 25.2





#36

1,1-Dichloropropene

Concen: 5.282 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD076879.D

Acq: 31 Jul 2023 17:24

Instrument :

MSVOA_D

ClientSampleId :

HR-01-072823

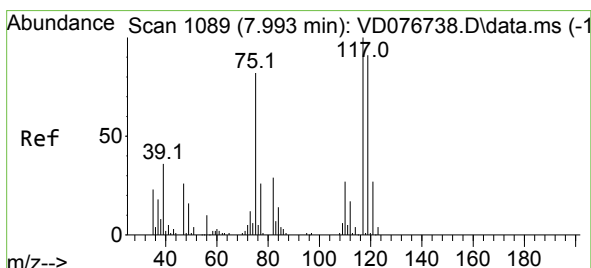
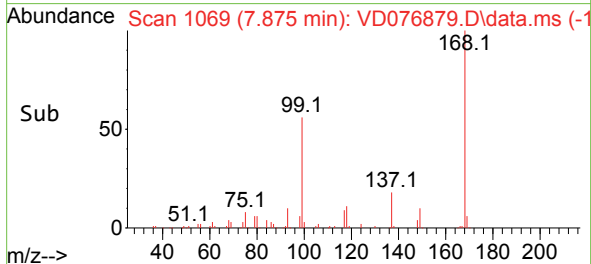
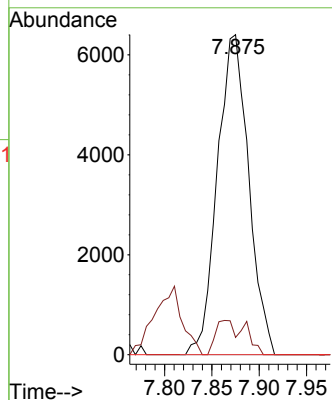
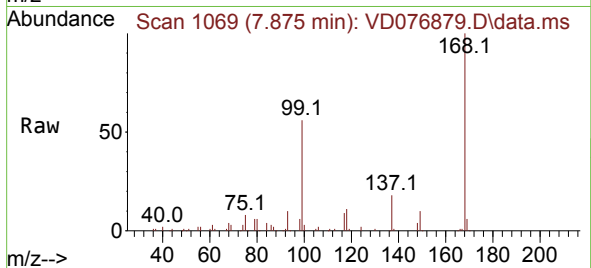
Tgt Ion: 75 Resp: 14731

Ion Ratio Lower Upper

75 100

110 10.0 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.929 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD076879.D

Acq: 31 Jul 2023 17:24

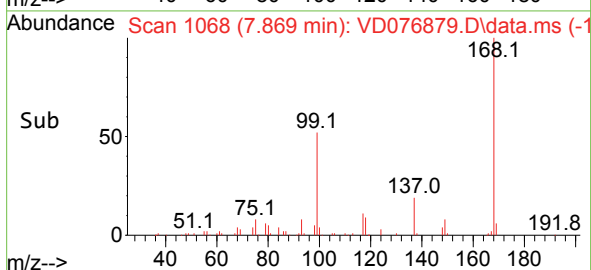
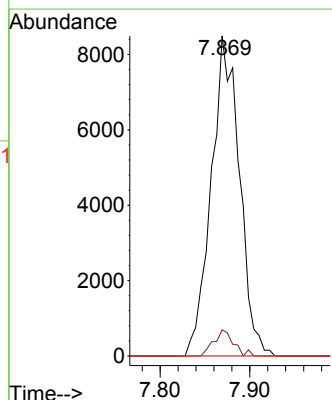
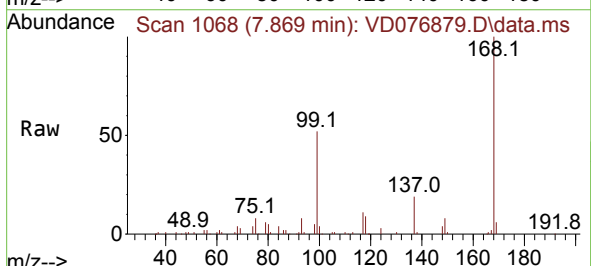
Tgt Ion: 117 Resp: 18502

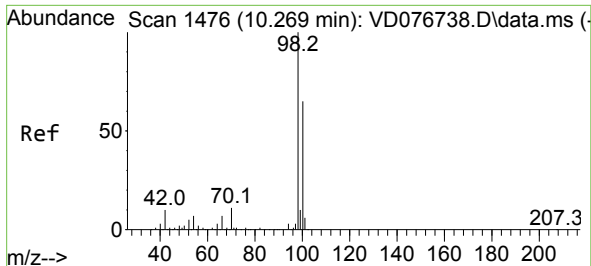
Ion Ratio Lower Upper

117 100

119 8.2 78.0 117.0#

121 0.0 24.2 36.2#

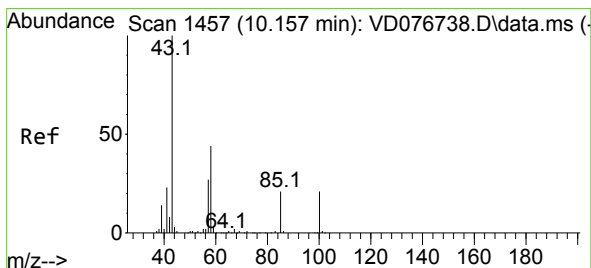
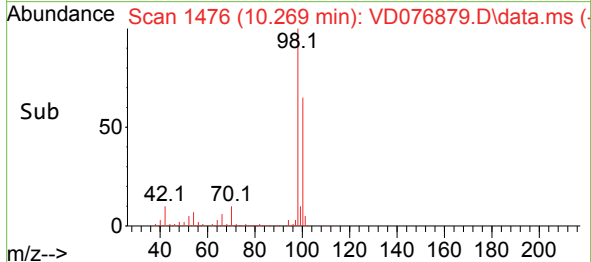
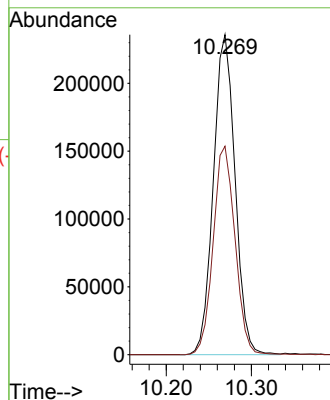
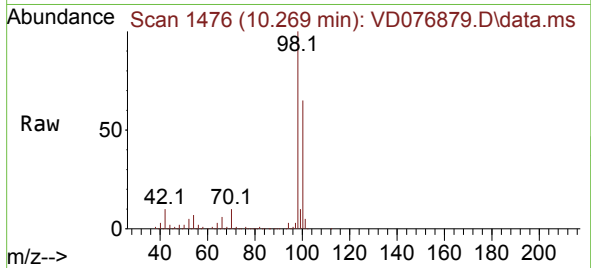




#50
Toluene-d8
Concen: 54.606 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076879.D
Acq: 31 Jul 2023 17:24

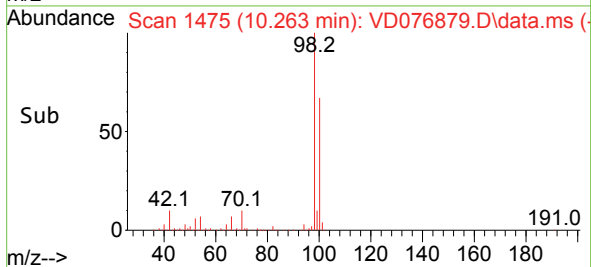
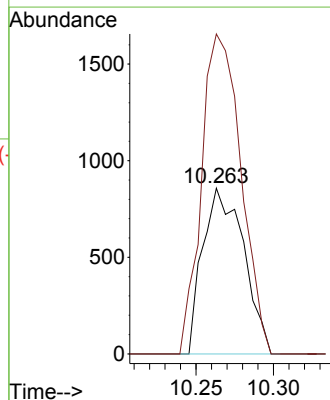
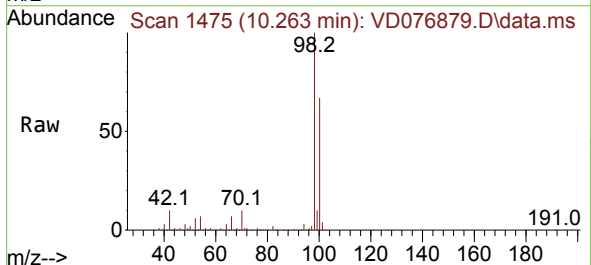
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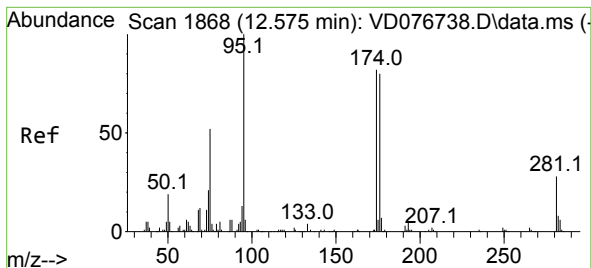
Tgt Ion: 98 Resp: 416904
Ion Ratio Lower Upper
98 100
100 65.7 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.213 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.106 min
Lab File: VD076879.D
Acq: 31 Jul 2023 17:24

Tgt Ion: 43 Resp: 1572
Ion Ratio Lower Upper
43 100
58 187.0 38.9 58.3#

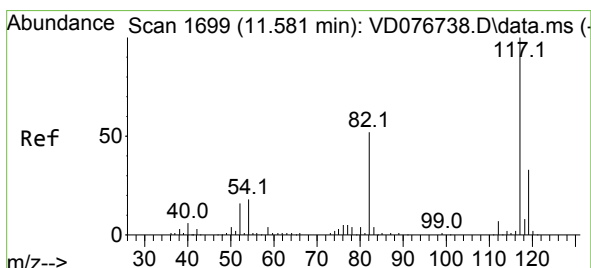
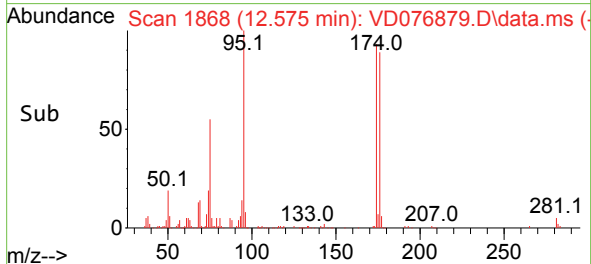
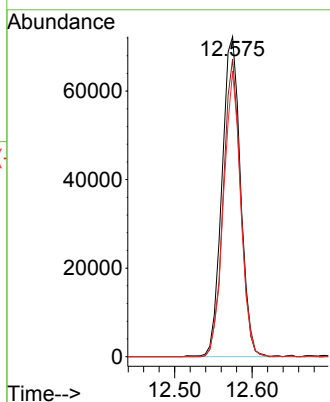
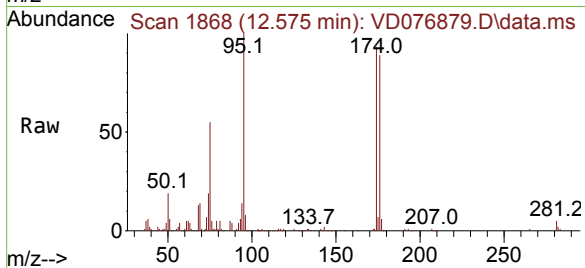




#62
4-Bromofluorobenzene
Concen: 48.657 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076879.D
Acq: 31 Jul 2023 17:24

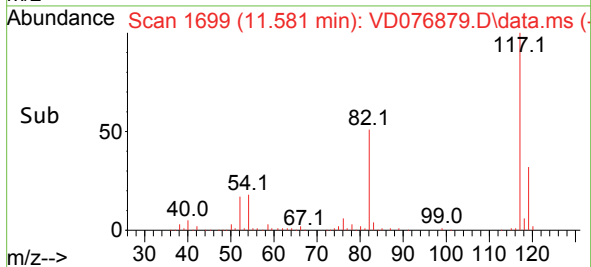
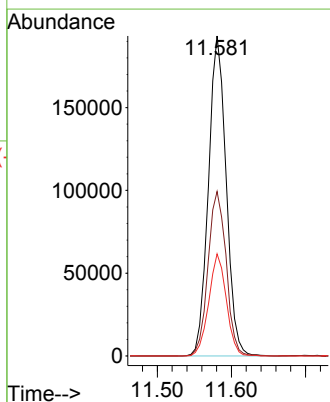
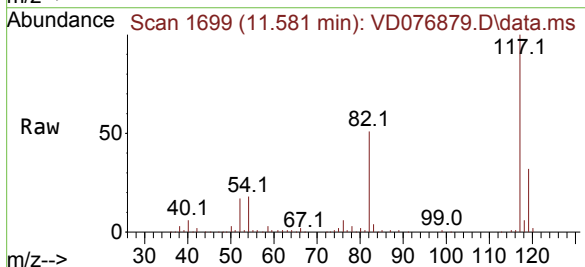
Instrument :
MSVOA_D
ClientSampleId :
HR-01-072823

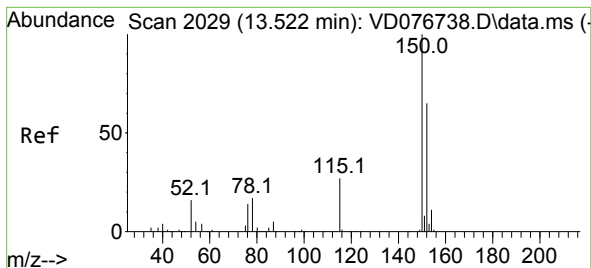
Tgt Ion: 95 Resp: 120176
Ion Ratio Lower Upper
95 100
174 87.4 0.0 201.8
176 82.6 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076879.D
Acq: 31 Jul 2023 17:24

Tgt Ion: 117 Resp: 321269
Ion Ratio Lower Upper
117 100
82 51.4 38.3 57.5
119 31.9 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. -0.000 min

Lab File: VD076879.D

Acq: 31 Jul 2023 17:24

Instrument :

MSVOA_D

ClientSampleId :

HR-01-072823

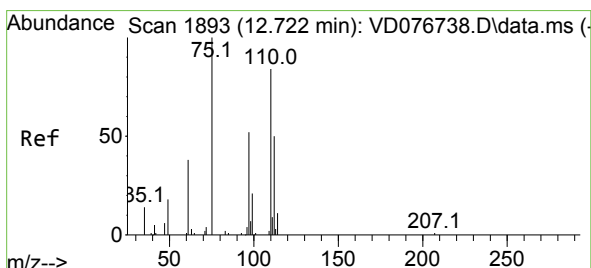
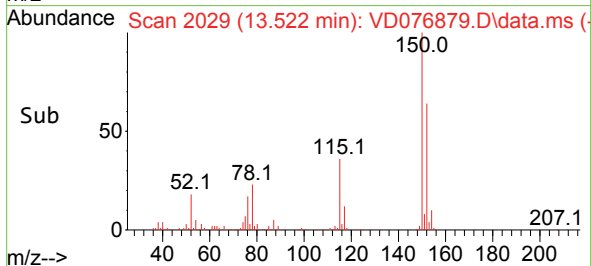
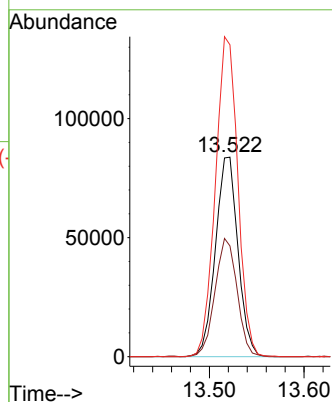
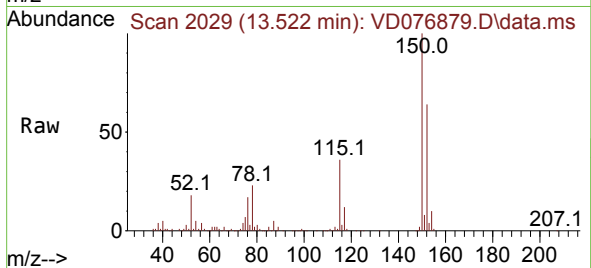
Tgt Ion:152 Resp: 138795

Ion Ratio Lower Upper

152 100

115 58.3 27.1 81.3

150 159.5 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 48.945 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD076879.D

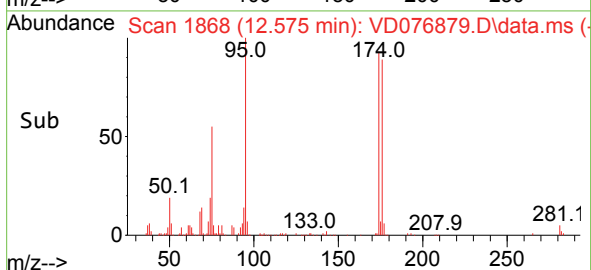
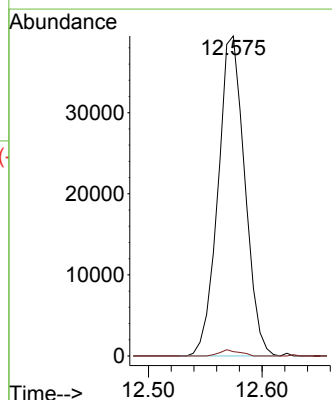
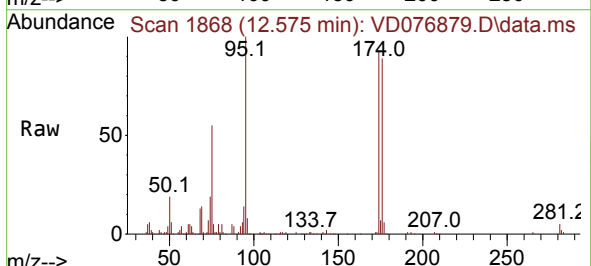
Acq: 31 Jul 2023 17:24

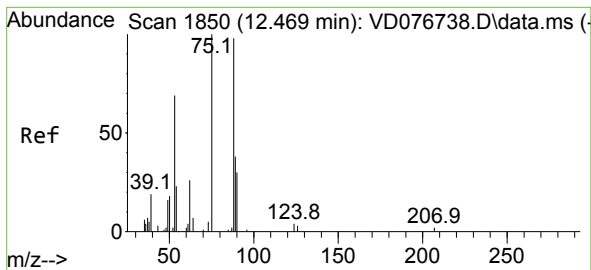
Tgt Ion: 75 Resp: 64603

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.166 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD076879.D
 Acq: 31 Jul 2023 17:24

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-01-072823

Tgt Ion:	75	Resp:	64603
Ion	Ratio	Lower	Upper
75	100		
53	0.1	63.0	94.4#
89	0.2	37.9	56.9#

