

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071923\
 Data File : VD076794.D
 Acq On : 19 Jul 2023 16:50
 Operator : KP/SY
 Sample : 03659-03
 Misc : 5.03G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-3-071823

Quant Time: Jul 20 05:00:53 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)

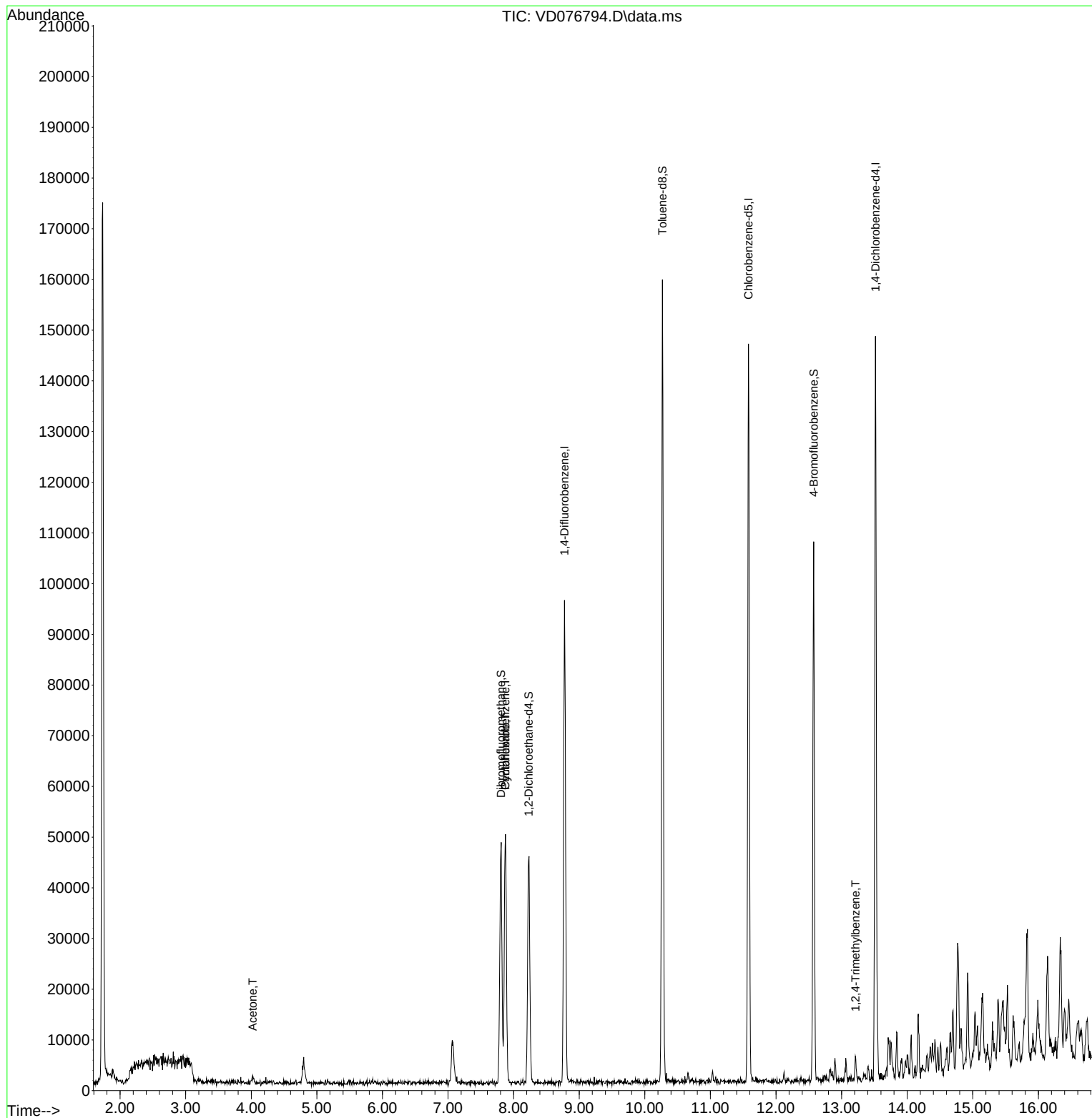
Internal Standards						
1) Pentafluorobenzene	7.875	168	39362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	86778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	85951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	38858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	36445	92.958	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 185.920%#	
35) Dibromofluoromethane	7.810	113	32677	59.923	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.840%	
50) Toluene-d8	10.269	98	109197	55.975	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.960%	
62) 4-Bromofluorobenzene	12.575	95	32687	51.795	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.580%	
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	1845	19.705	ug/l #	67
31) Cyclohexane	7.875	56	949	1.645	ug/l #	80
84) 1,2,4-Trimethylbenzene	13.210	105	3365	1.445	ug/l	93

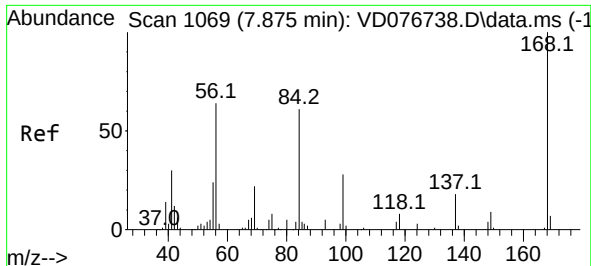
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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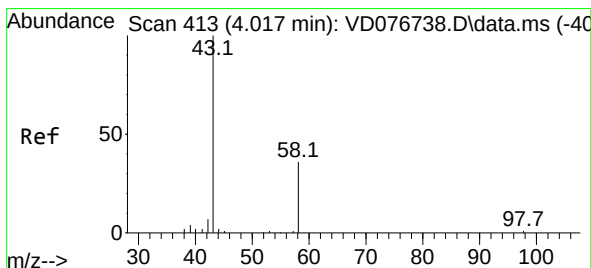
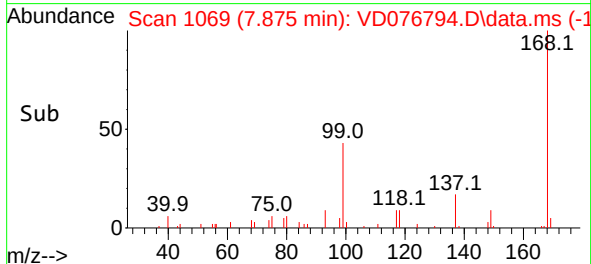
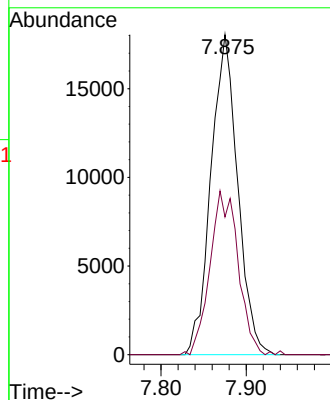
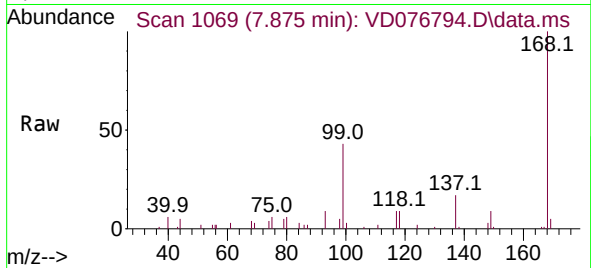




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076794.D
Acq: 19 Jul 2023 16:50

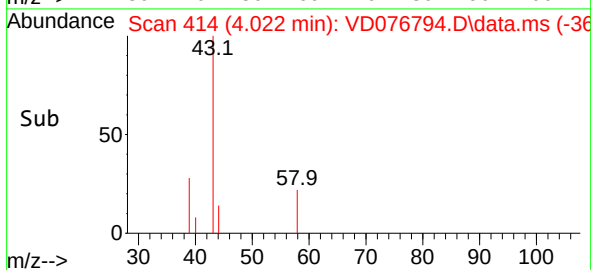
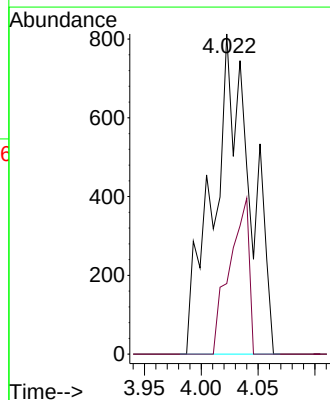
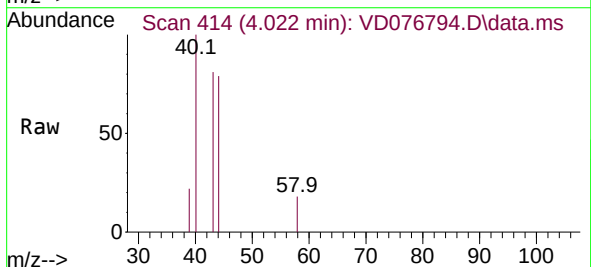
Instrument :
MSVOA_D
ClientSampleId :
HR-3-071823

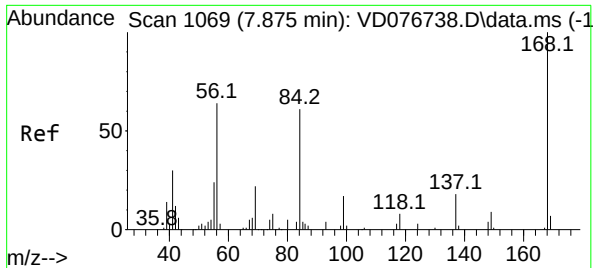
Tgt Ion:168 Resp: 39362
Ion Ratio Lower Upper
168 100
99 43.1 36.7 55.1



#16
Acetone
Concen: 19.705 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD076794.D
Acq: 19 Jul 2023 16:50

Tgt Ion: 43 Resp: 1845
Ion Ratio Lower Upper
43 100
58 22.0 34.7 52.1#

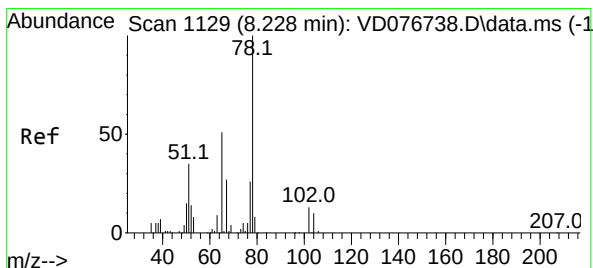
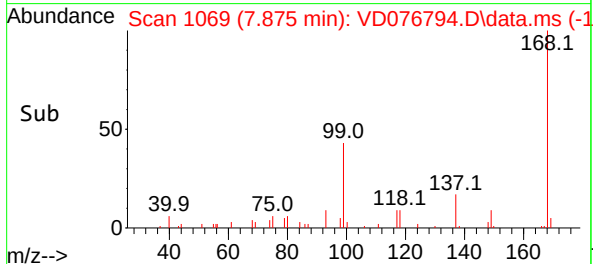
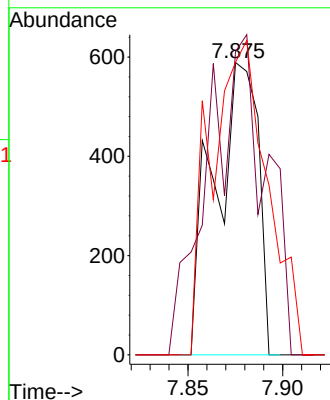
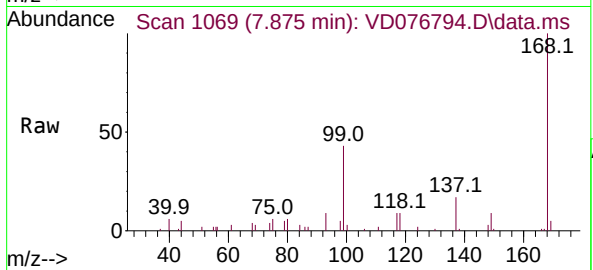




#31
Cyclohexane
Concen: 1.645 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076794.D
Acq: 19 Jul 2023 16:50

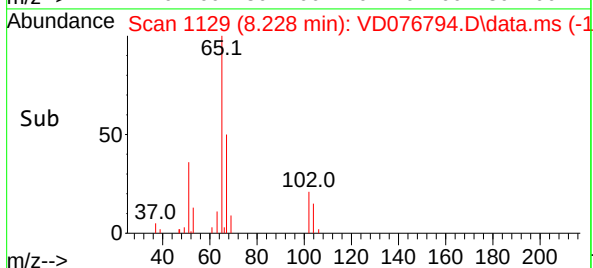
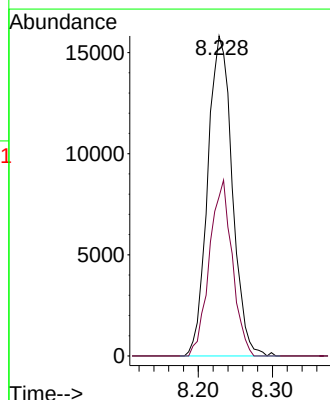
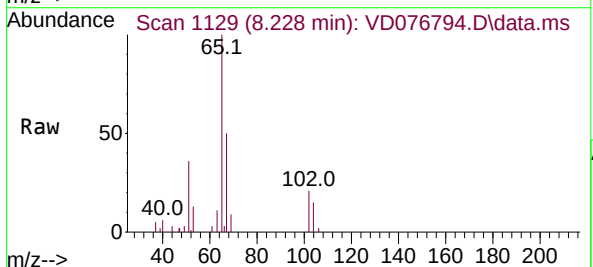
Instrument :
MSVOA_D
ClientSampleId :
HR-3-071823

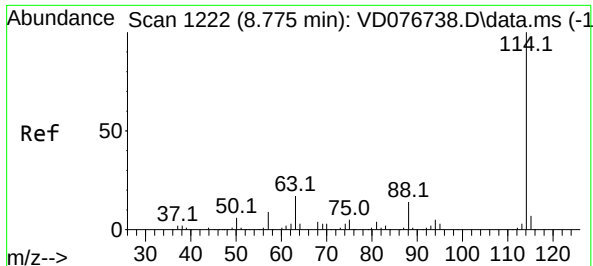
Tgt Ion: 56 Resp: 949
Ion Ratio Lower Upper
56 100
69 72.2 28.6 43.0#
84 100.2 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 92.958 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076794.D
Acq: 19 Jul 2023 16:50

Tgt Ion: 65 Resp: 36445
Ion Ratio Lower Upper
65 100
67 50.8 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: VD076794.D

Acq: 19 Jul 2023 16:50

Instrument :

MSVOA_D

ClientSampleId :

HR-3-071823

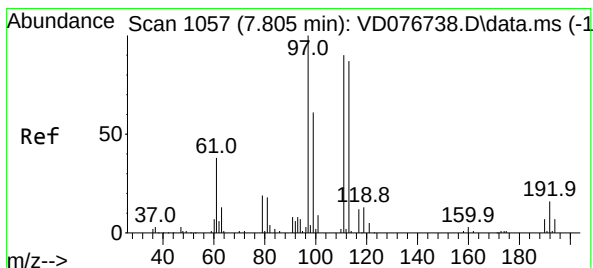
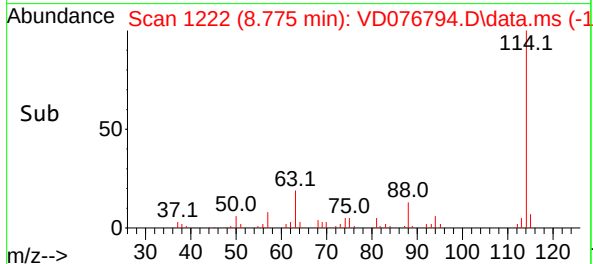
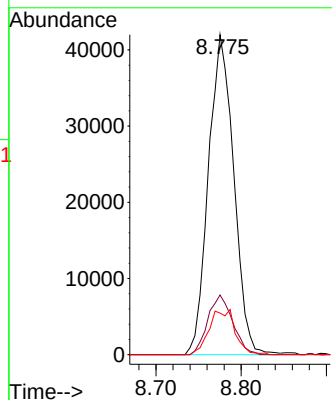
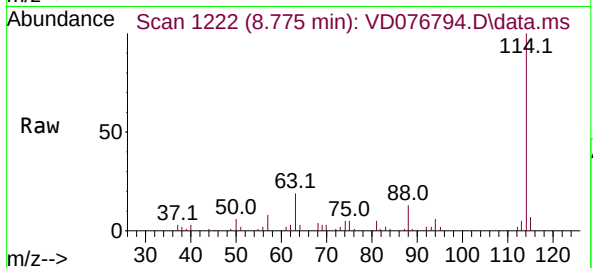
Tgt Ion:114 Resp: 86778

Ion Ratio Lower Upper

114 100

63 18.7 0.0 33.4

88 13.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 59.923 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD076794.D

Acq: 19 Jul 2023 16:50

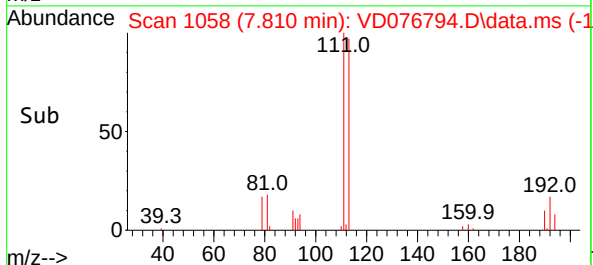
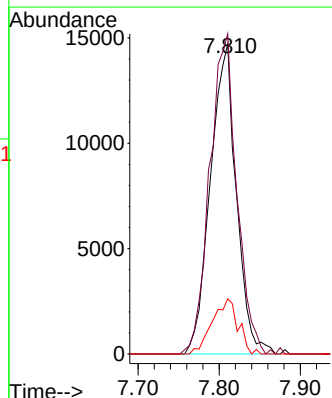
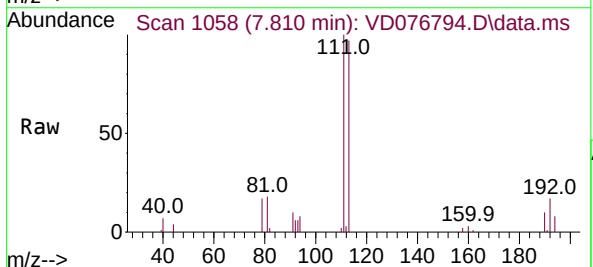
Tgt Ion:113 Resp: 32677

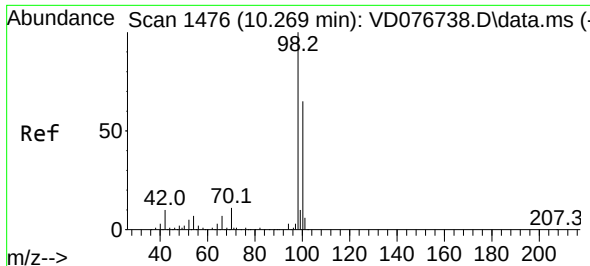
Ion Ratio Lower Upper

113 100

111 107.3 84.7 127.1

192 17.7 16.8 25.2

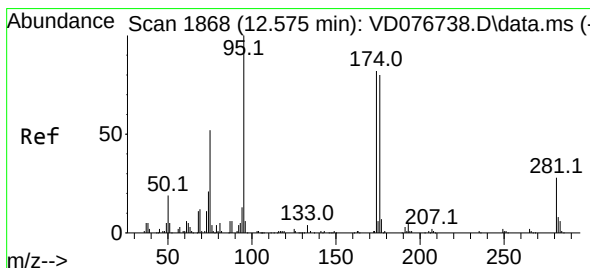
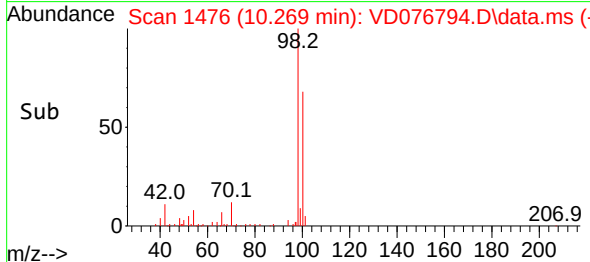
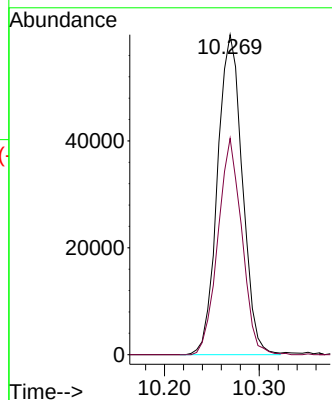
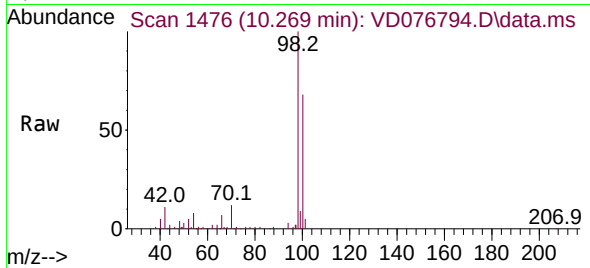




#50
Toluene-d8
Concen: 55.975 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076794.D
Acq: 19 Jul 2023 16:50

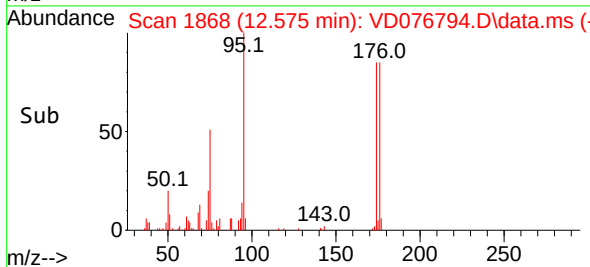
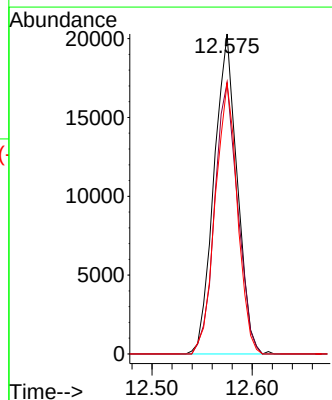
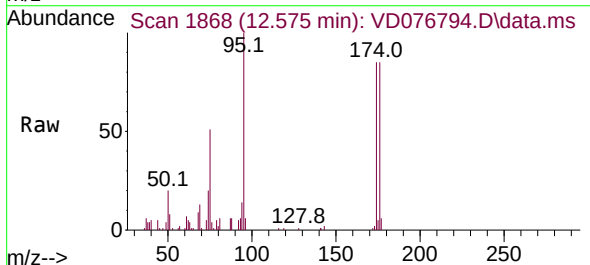
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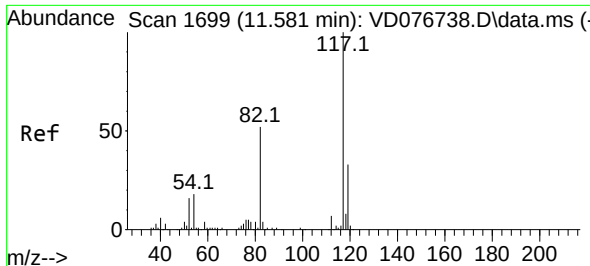
Tgt Ion: 98 Resp: 109197
Ion Ratio Lower Upper
98 100
100 65.1 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 51.795 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076794.D
Acq: 19 Jul 2023 16:50

Tgt Ion: 95 Resp: 32687
Ion Ratio Lower Upper
95 100
174 83.8 0.0 201.8
176 80.8 0.0 191.8

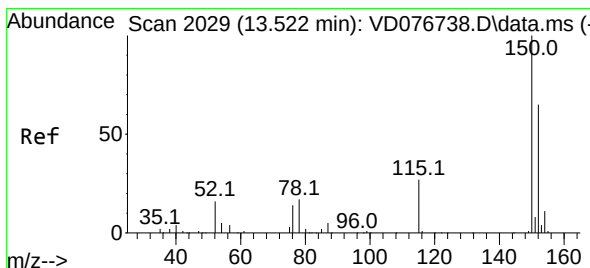
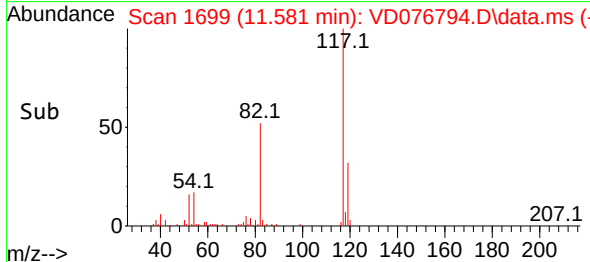
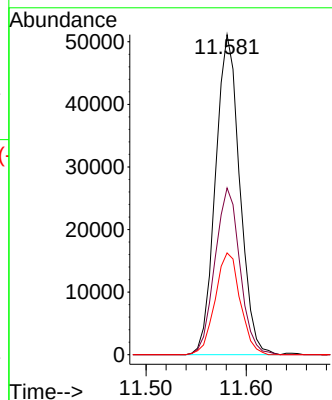
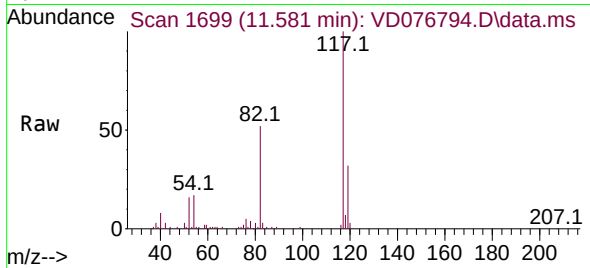




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076794.D
Acq: 19 Jul 2023 16:50

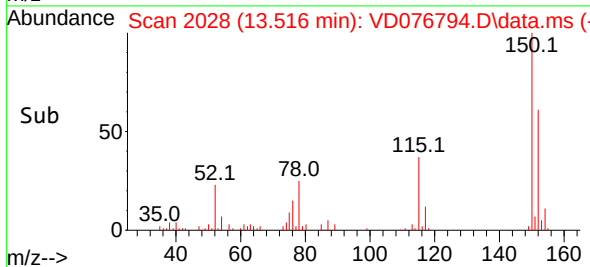
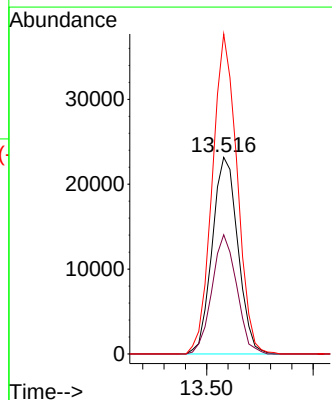
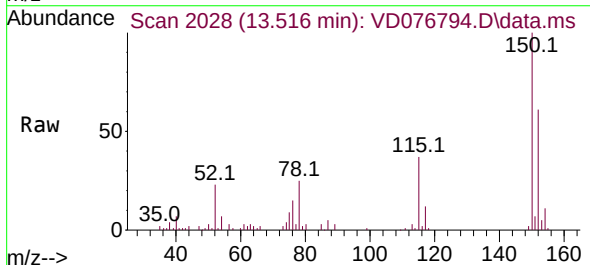
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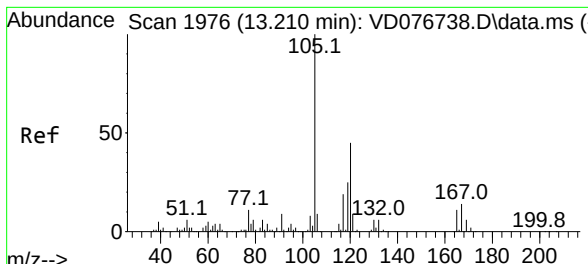
Tgt Ion:117 Resp: 85951
Ion Ratio Lower Upper
117 100
82 52.1 38.3 57.5
119 31.8 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076794.D
Acq: 19 Jul 2023 16:50

Tgt Ion:152 Resp: 38858
Ion Ratio Lower Upper
152 100
115 58.4 27.1 81.3
150 156.8 0.0 353.6





#84
 1,2,4-Trimethylbenzene
 Concen: 1.445 ug/l
 RT: 13.210 min Scan# 1976
 Delta R.T. 0.000 min
 Lab File: VD076794.D
 Acq: 19 Jul 2023 16:50

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-3-071823

Tgt Ion:105 Resp: 3365
 Ion Ratio Lower Upper
 105 100
 120 43.6 24.3 72.9

