

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031824\
 Data File : VD078699.D
 Acq On : 18 Mar 2024 16:17
 Operator : RP/MD
 Sample : P1767-01RE
 Misc : 5.02G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NB-07-031424RE

Quant Time: Mar 19 01:28:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

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

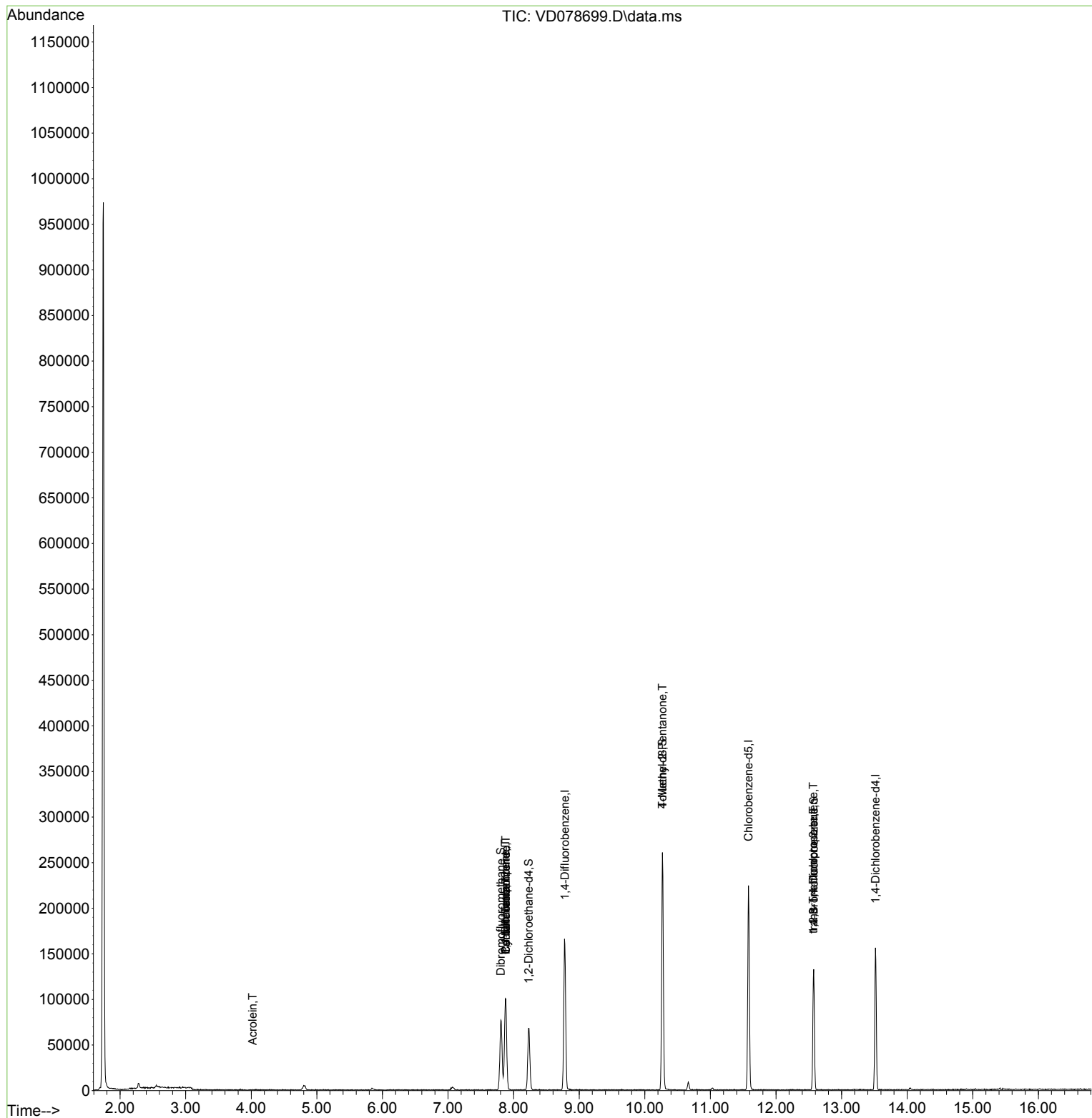
Internal Standards						
1) Pentafluorobenzene	7.881	168	81281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	152765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	132749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	43610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	51961	68.214	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	136.420%
35) Dibromofluoromethane	7.805	113	55194	56.116	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.240%
50) Toluene-d8	10.269	98	181617	50.208	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.420%
62) 4-Bromofluorobenzene	12.575	95	40168	37.957	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.920%
Target Compounds						
					Qvalue	
13) Acrolein	4.022	56	57	1.067	ug/l #	15
20) Methylene Chloride	4.799	84	4025	Below Cal	#	94
31) Cyclohexane	7.881	56	2186	1.707	ug/l #	35
36) 1,1-Dichloropropene	7.875	75	6783	4.753	ug/l #	45
38) Carbon Tetrachloride	7.881	117	7647	5.083	ug/l #	15
51) 4-Methyl-2-Pentanone	10.269	43	642	1.448	ug/l #	1
76) 1,2,3-Trichloropropane	12.569	75	19510	58.067	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	19510	121.719	ug/l #	19

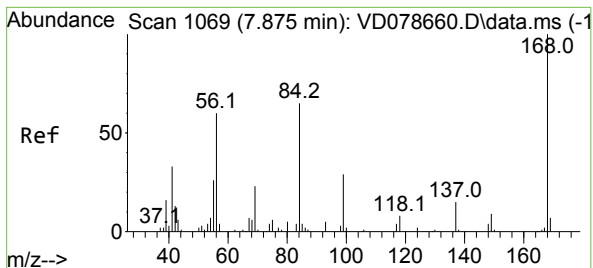
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD078699.D

Acq: 18 Mar 2024 16:17

Instrument :

MSVOA_D

ClientSampleId :

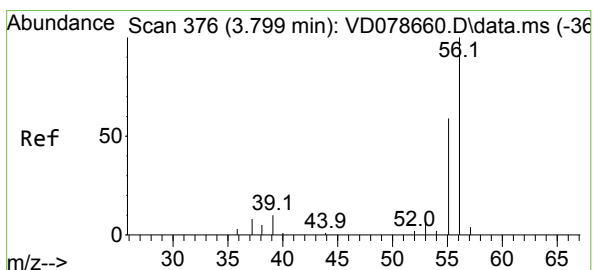
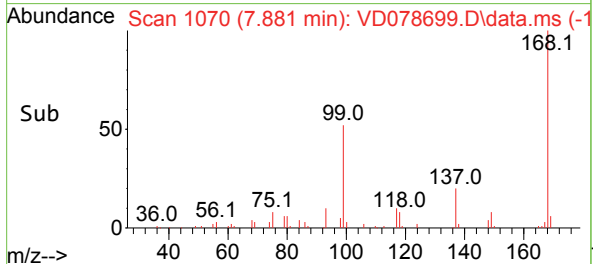
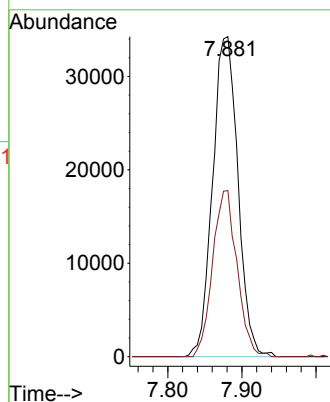
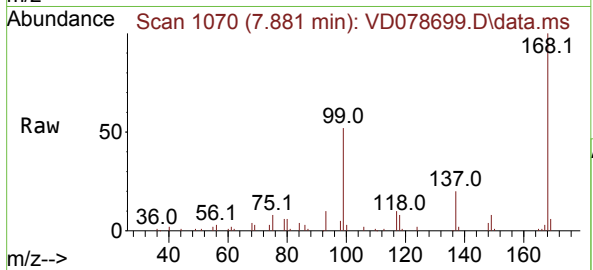
NB-07-031424RE

Tgt Ion:168 Resp: 81281

Ion Ratio Lower Upper

168 100

99 51.9 38.8 58.2



#13

Acrolein

Concen: 1.067 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.223 min

Lab File: VD078699.D

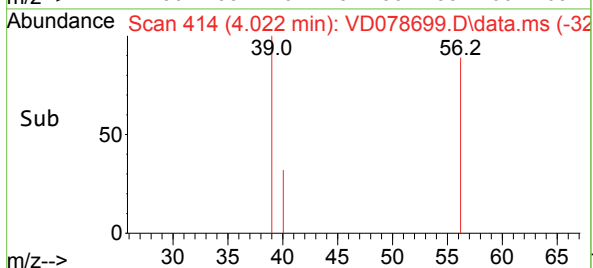
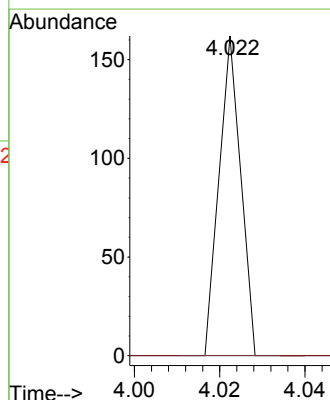
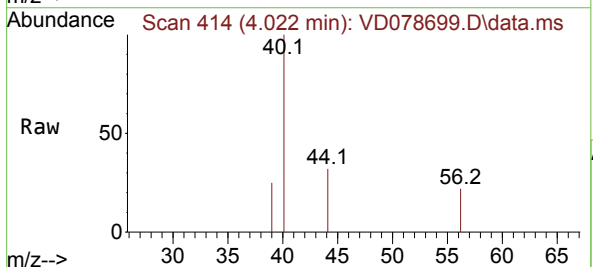
Acq: 18 Mar 2024 16:17

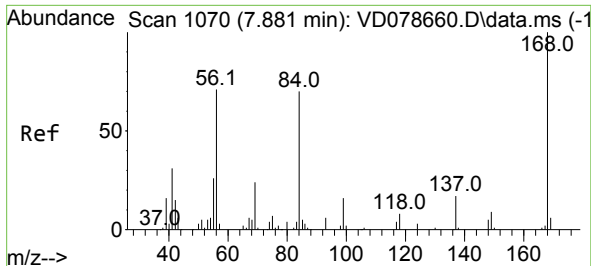
Tgt Ion: 56 Resp: 57

Ion Ratio Lower Upper

56 100

55 0.0 54.9 82.3#

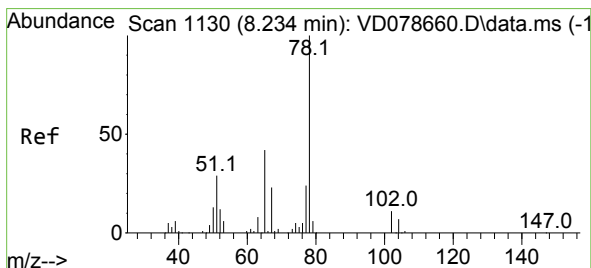
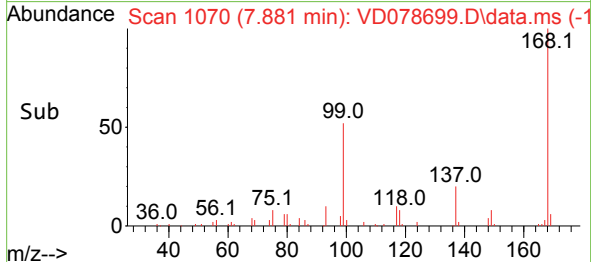
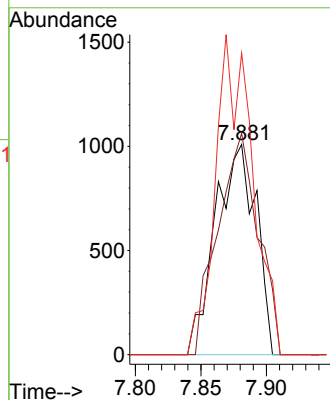
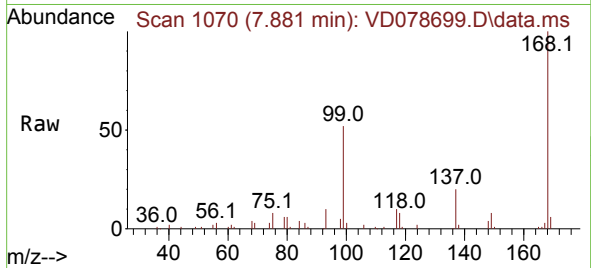




#31
Cyclohexane
Concen: 1.707 ug/l
RT: 7.881 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD078699.D
Acq: 18 Mar 2024 16:17

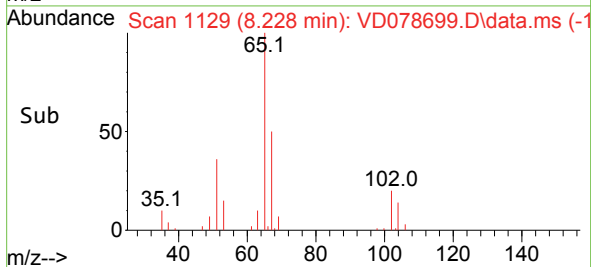
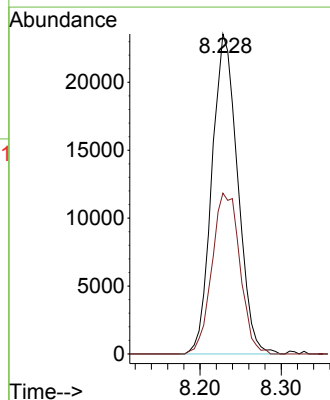
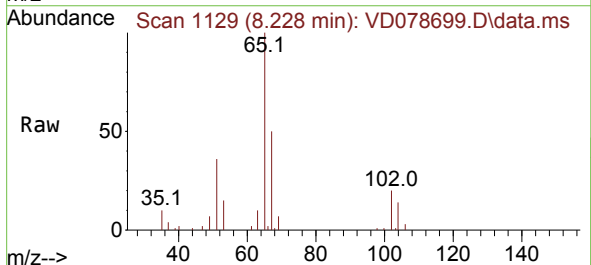
Instrument :
MSVOA_D
ClientSampleId :
NB-07-031424RE

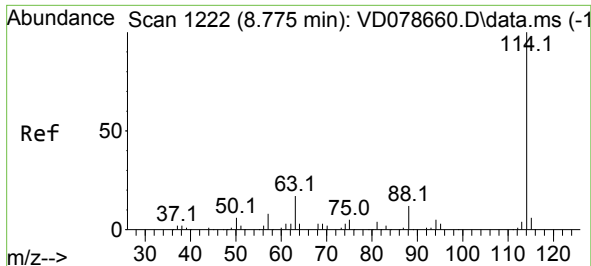
Tgt Ion: 56 Resp: 2186
Ion Ratio Lower Upper
56 100
69 105.4 26.6 40.0#
84 143.5 79.4 119.2#



#33
1,2-Dichloroethane-d4
Concen: 68.214 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD078699.D
Acq: 18 Mar 2024 16:17

Tgt Ion: 65 Resp: 51961
Ion Ratio Lower Upper
65 100
67 54.5 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD078699.D

Acq: 18 Mar 2024 16:17

Instrument :

MSVOA_D

ClientSampleId :

NB-07-031424RE

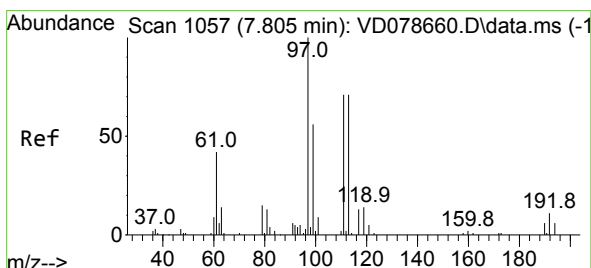
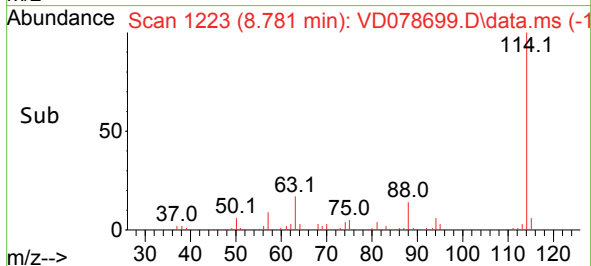
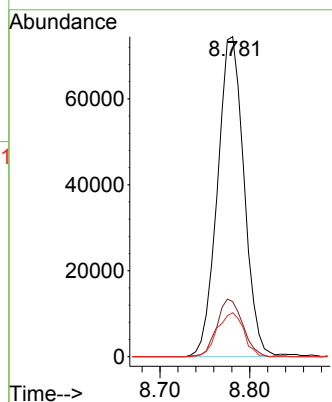
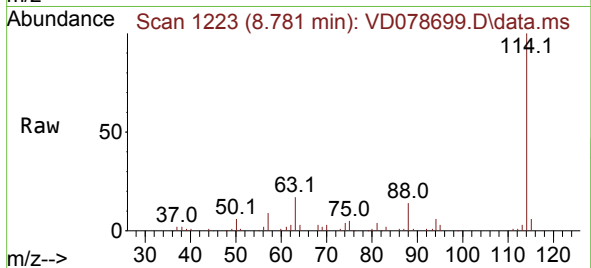
Tgt Ion:114 Resp: 152765

Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.4

88 13.8 0.0 24.6



#35

Dibromofluoromethane

Concen: 56.116 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD078699.D

Acq: 18 Mar 2024 16:17

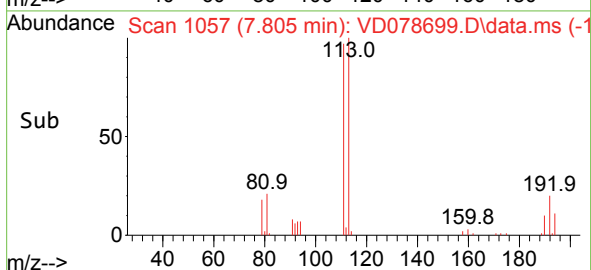
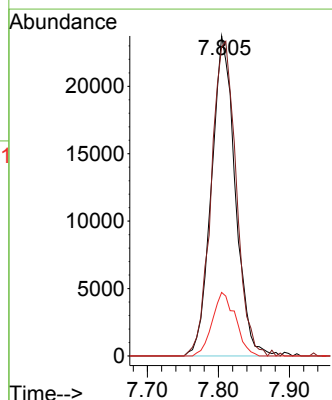
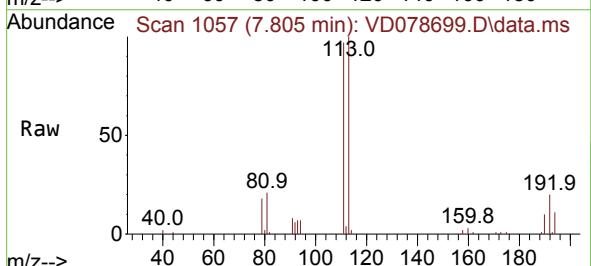
Tgt Ion:113 Resp: 55194

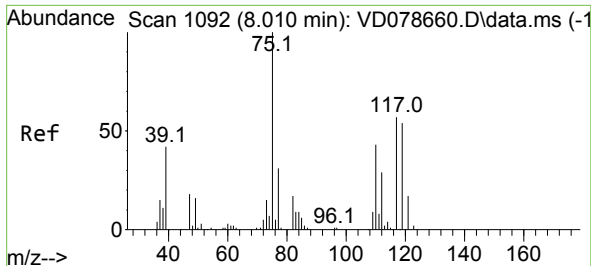
Ion Ratio Lower Upper

113 100

111 103.0 81.9 122.9

192 19.4 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.753 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078699.D

Acq: 18 Mar 2024 16:17

Instrument :

MSVOA_D

ClientSampleId :

NB-07-031424RE

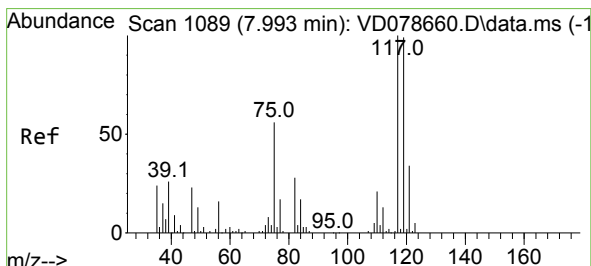
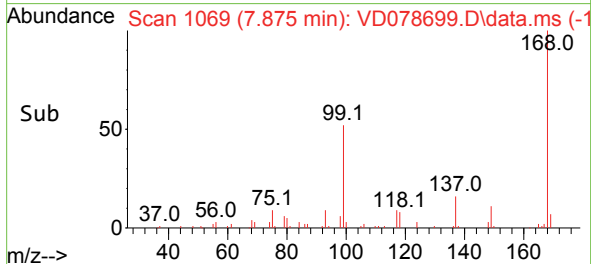
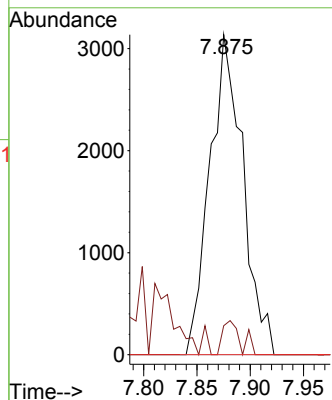
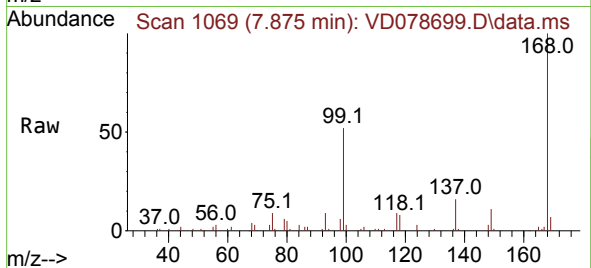
Tgt Ion: 75 Resp: 6783

Ion Ratio Lower Upper

75 100

110 5.8 19.1 57.1#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 5.083 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD078699.D

Acq: 18 Mar 2024 16:17

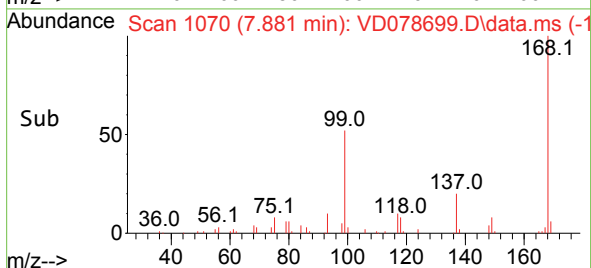
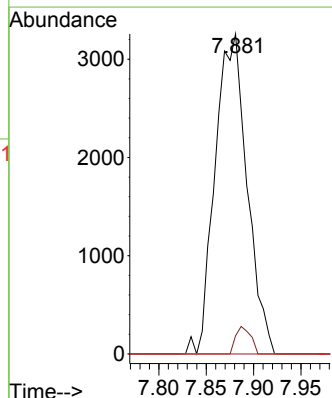
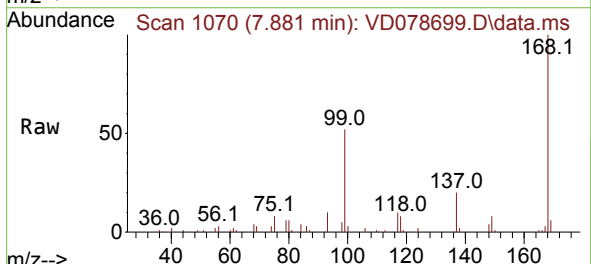
Tgt Ion: 117 Resp: 7647

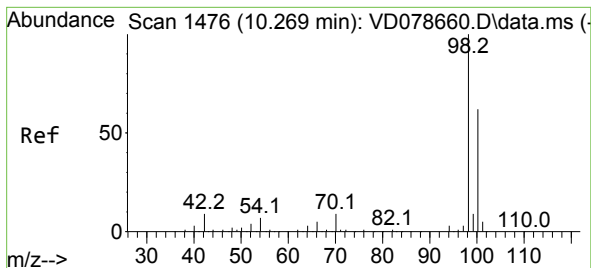
Ion Ratio Lower Upper

117 100

119 5.7 79.2 118.8#

121 0.0 26.8 40.2#





#50

Toluene-d8

Concen: 50.208 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078699.D

Acq: 18 Mar 2024 16:17

Instrument :

MSVOA_D

ClientSampleId :

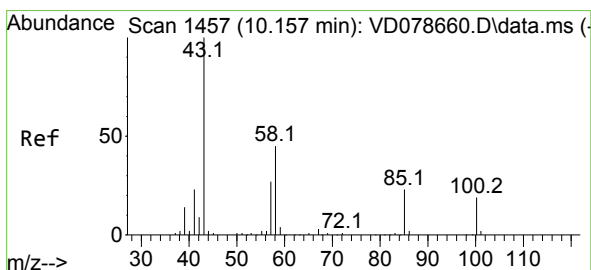
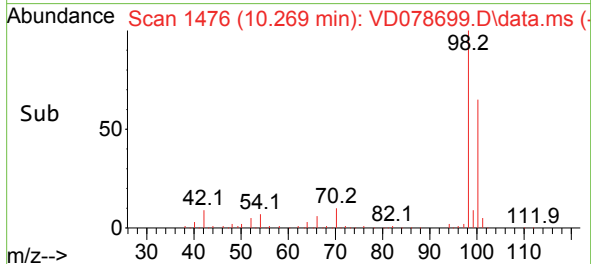
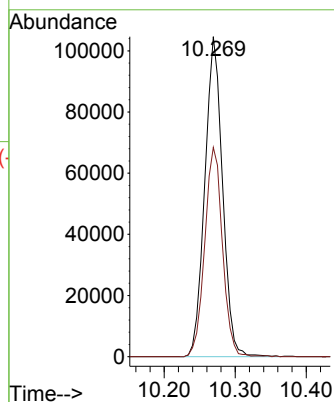
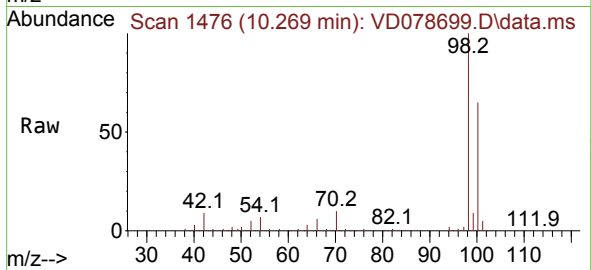
NB-07-031424RE

Tgt Ion: 98 Resp: 181617

Ion Ratio Lower Upper

98 100

100 65.3 50.5 75.7



#51

4-Methyl-2-Pentanone

Concen: 1.448 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.112 min

Lab File: VD078699.D

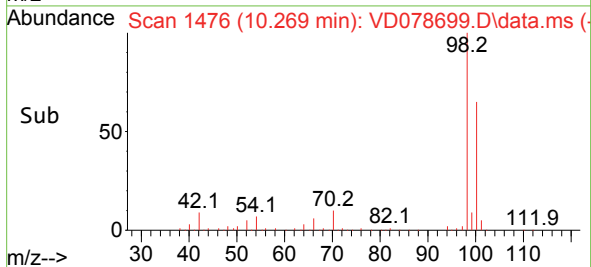
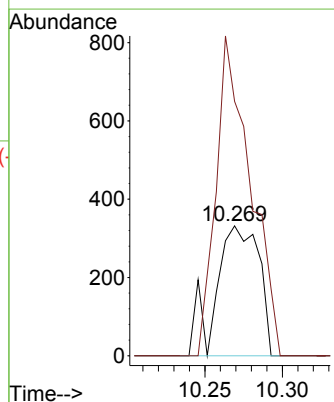
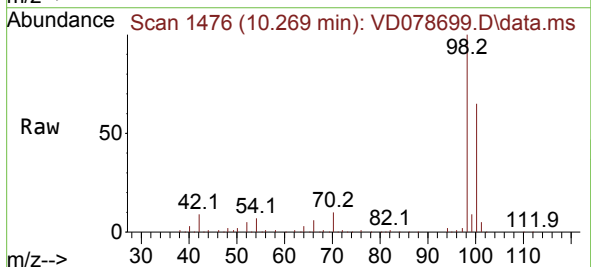
Acq: 18 Mar 2024 16:17

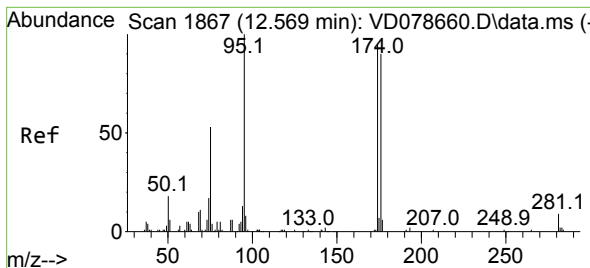
Tgt Ion: 43 Resp: 642

Ion Ratio Lower Upper

43 100

58 196.7 36.4 54.6#

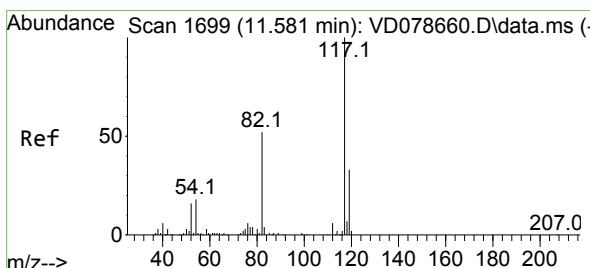
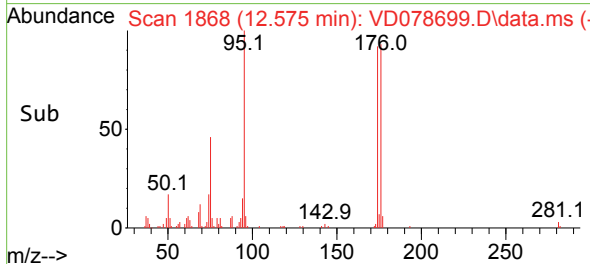
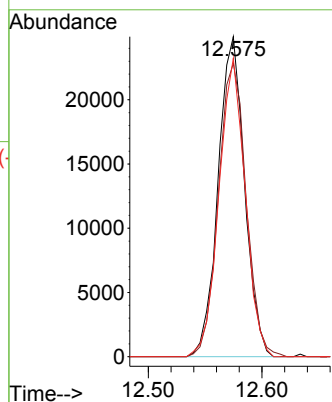
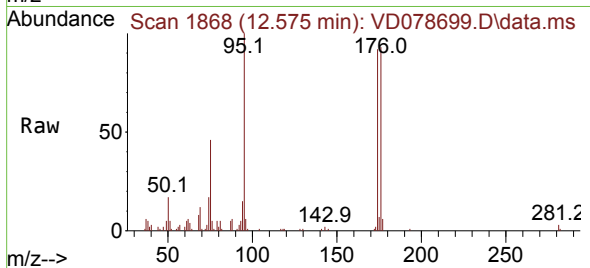




#62
4-Bromofluorobenzene
Concen: 37.957 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD078699.D
Acq: 18 Mar 2024 16:17

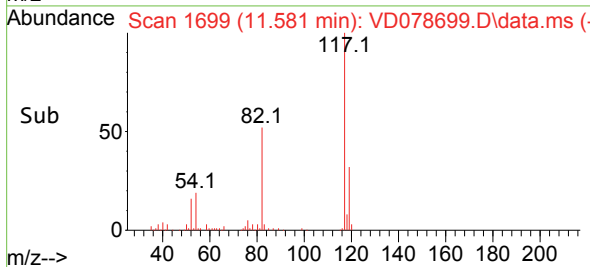
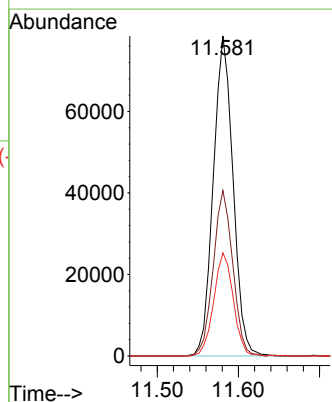
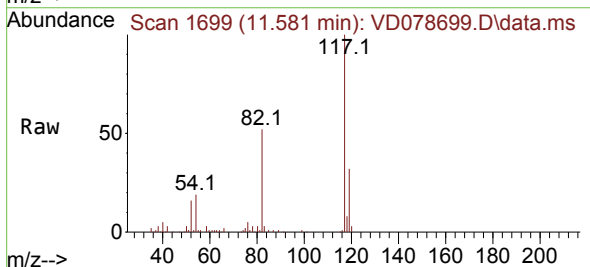
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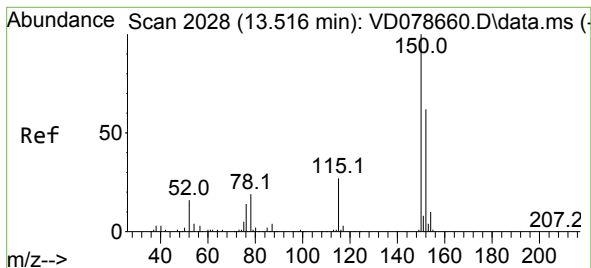
Tgt Ion:	95	Resp:	40168
Ion	Ratio	Lower	Upper
95	100		
174	96.3	0.0	195.2
176	92.3	0.0	188.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078699.D
Acq: 18 Mar 2024 16:17

Tgt Ion:	117	Resp:	132749
Ion	Ratio	Lower	Upper
117	100		
82	51.7	41.4	62.2
119	32.2	26.5	39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD078699.D

Acq: 18 Mar 2024 16:17

Instrument :

MSVOA_D

ClientSampleId :

NB-07-031424RE

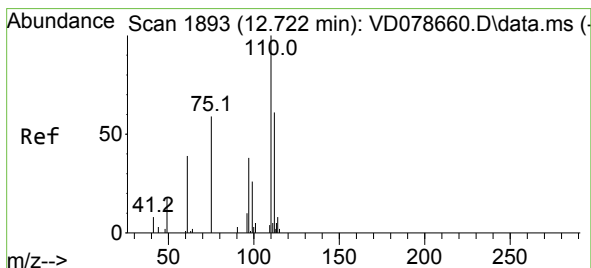
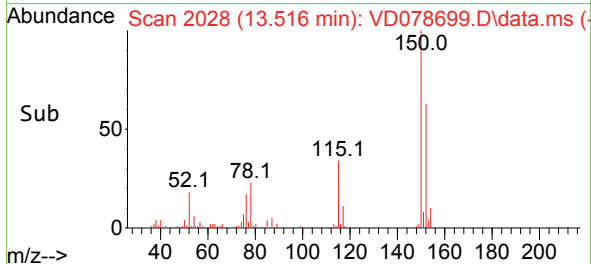
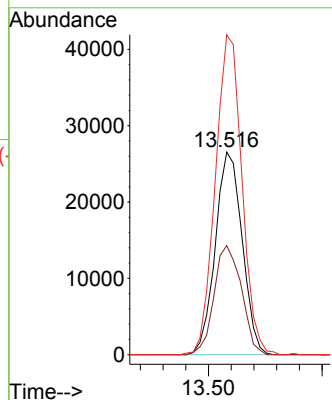
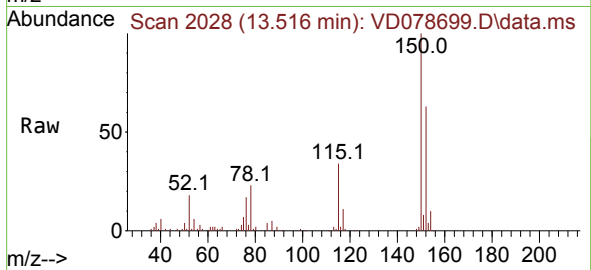
Tgt Ion:152 Resp: 43610

Ion Ratio Lower Upper

152 100

115 54.8 27.1 81.2

150 156.5 0.0 350.2



#76

1,2,3-Trichloropropane

Concen: 58.067 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD078699.D

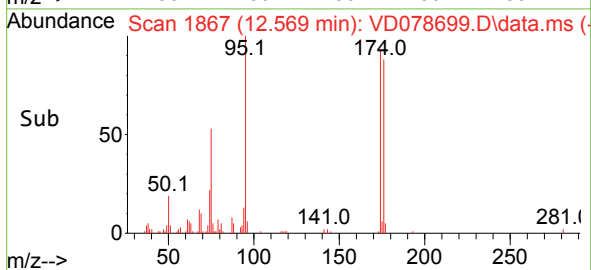
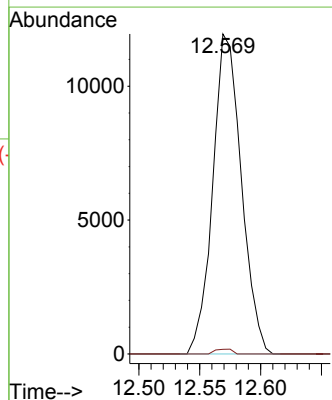
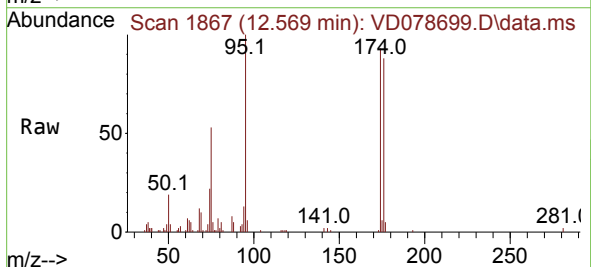
Acq: 18 Mar 2024 16:17

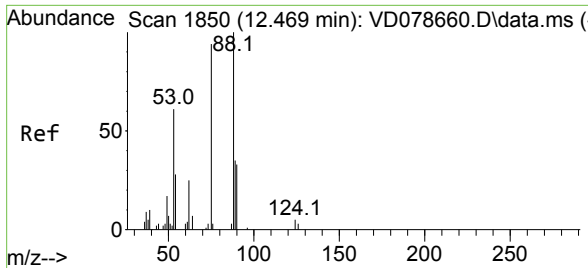
Tgt Ion: 75 Resp: 19510

Ion Ratio Lower Upper

75 100

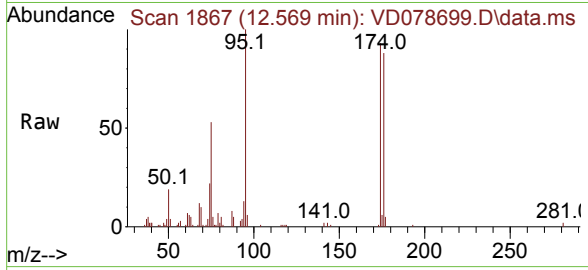
77 0.9 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 121.719 ug/l
RT: 12.569 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD078699.D
Acq: 18 Mar 2024 16:17

Instrument :
MSVOA_D
ClientSampleId :
NB-07-031424RE



Tgt Ion:	75	Resp:	19510
Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.0	91.6#
89	0.0	35.4	53.0#

