

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075716.D
 Acq On : 12 Dec 2022 16:29
 Operator : JC\MD
 Sample : N5978-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-2022-12-08

Quant Time: Dec 13 01:33:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 07:54:35 2022
 Response via : Initial Calibration

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

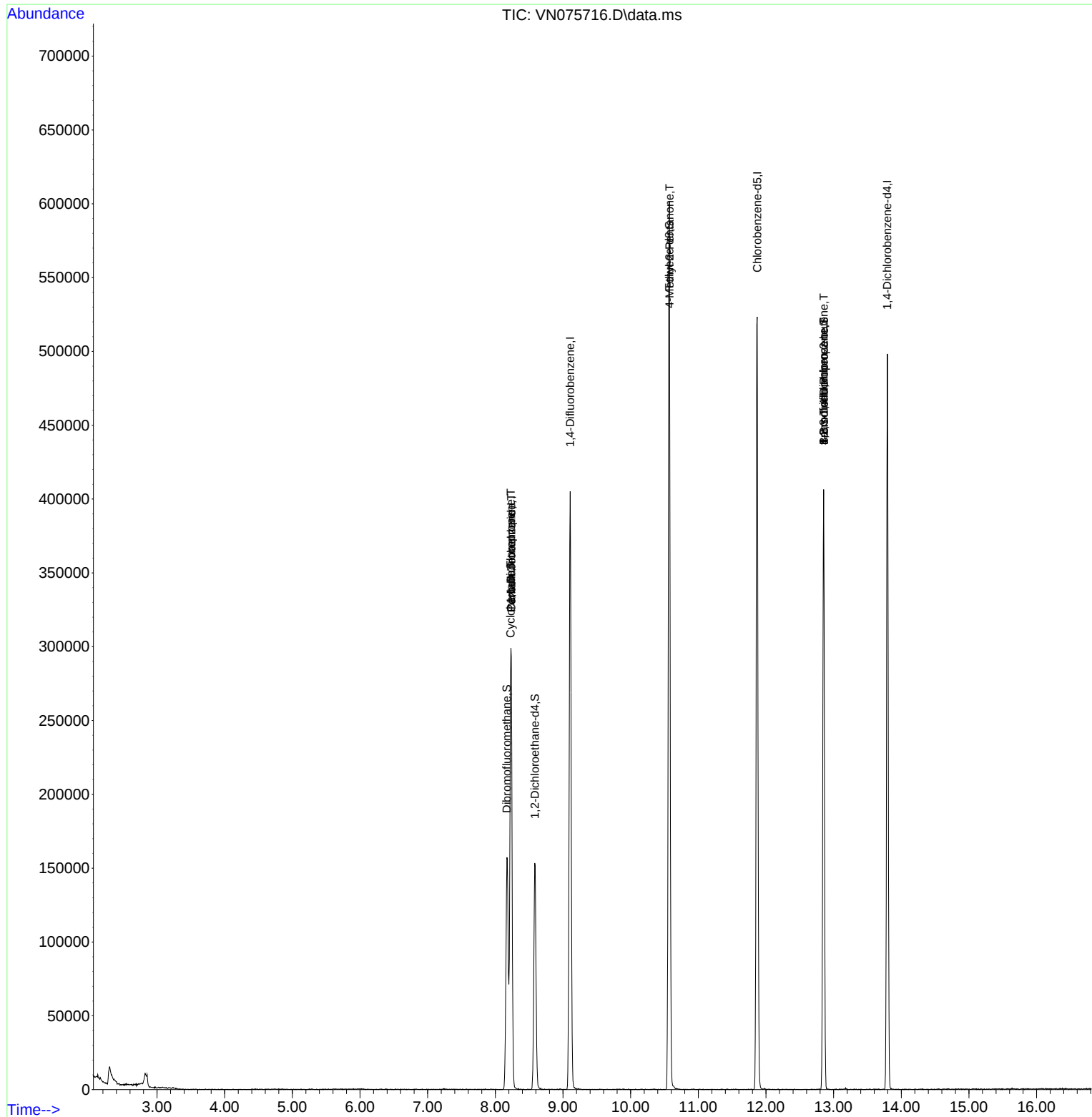
Internal Standards						
1) Pentafluorobenzene	8.236	168	237091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	373752	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	329502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	140149	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	122620	48.744	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.480%
35) Dibromofluoromethane	8.171	113	113384	49.723	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.440%
50) Toluene-d8	10.571	98	431051	50.335	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.680%
62) 4-Bromofluorobenzene	12.853	95	133089	45.455	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.900%
Target Compounds						
					Qvalue	
31) Cyclohexane	8.224	56	4413	1.185	ug/l #	53
36) 1,1-Dichloropropene	8.230	75	16175	5.342	ug/l #	49
38) Carbon Tetrachloride	8.236	117	24007	6.871	ug/l #	15
51) 4-Methyl-2-Pentanone	10.577	43	1489	0.595	ug/l #	1
71) Bromoform	12.853	173	1042	0.557	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	68026	24.170	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	68026	77.202	ug/l #	13

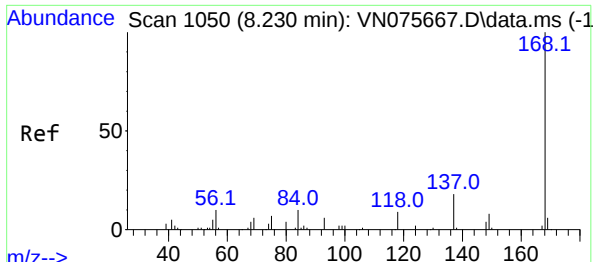
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Dec 12 07:54:35 2022
Response via : Initial Calibration





#1 Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 1049

Delta R.T. 0.005 min

Lab File: VN075716.D

Acq: 12 Dec 2022 16:29

Instrument :

MSVOA_N

ClientSampleId :

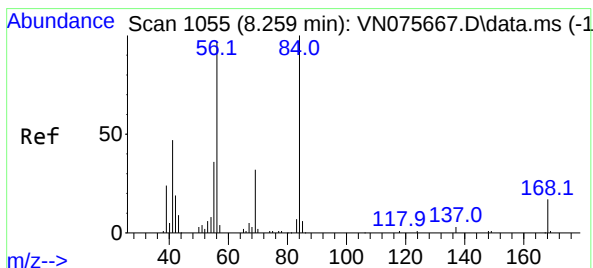
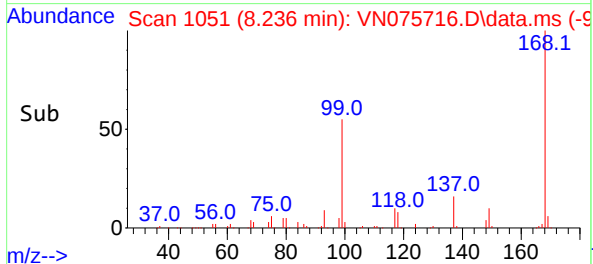
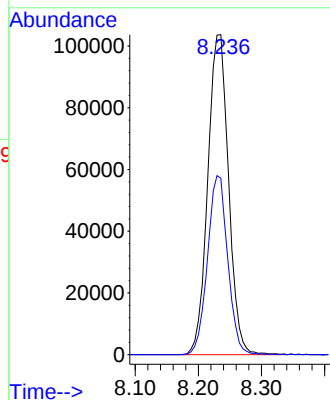
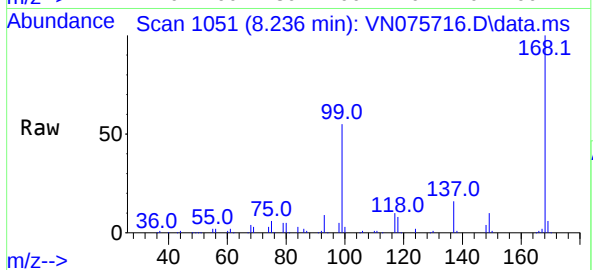
TB-2022-12-08

Tgt Ion:168 Resp: 237091

Ion Ratio Lower Upper

168 100

99 55.2 41.2 61.8



#31

Cyclohexane

Concen: 1.185 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.035 min

Lab File: VN075716.D

Acq: 12 Dec 2022 16:29

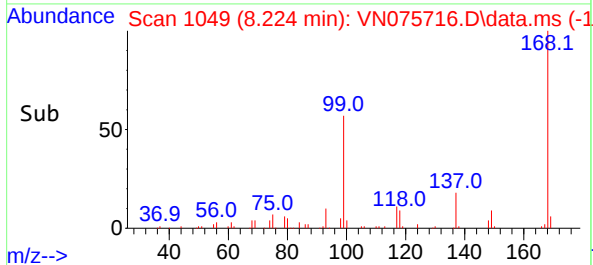
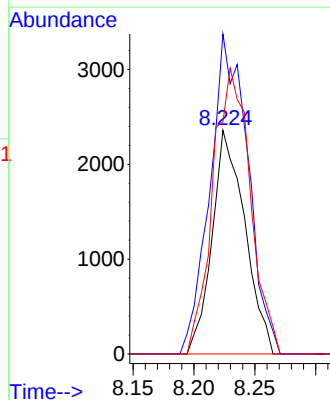
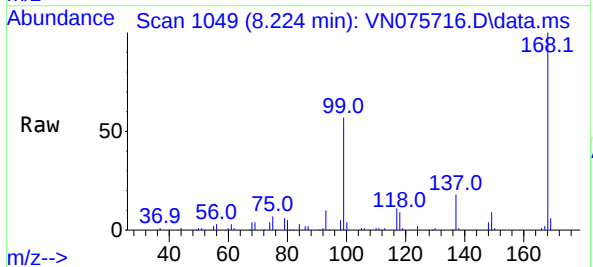
Tgt Ion: 56 Resp: 4413

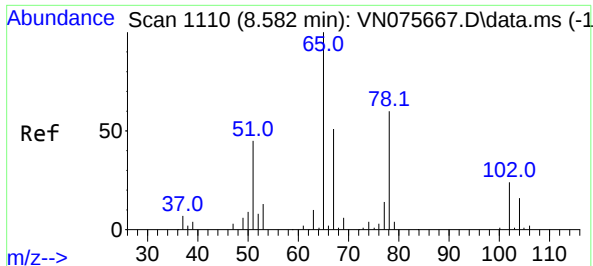
Ion Ratio Lower Upper

56 100

69 143.0 26.2 39.2#

84 103.8 82.8 124.2





#33

1,2-Dichloroethane-d4

Concen: 48.744 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN075716.D

Acq: 12 Dec 2022 16:29

Instrument :

MSVOA_N

ClientSampleId :

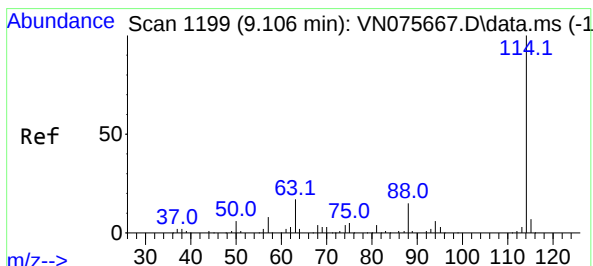
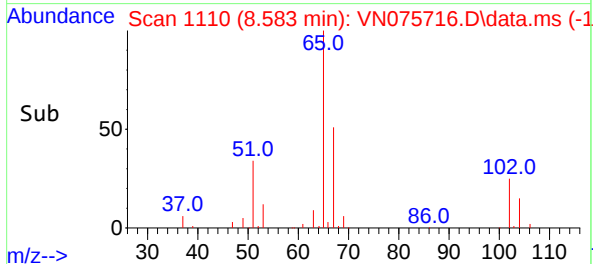
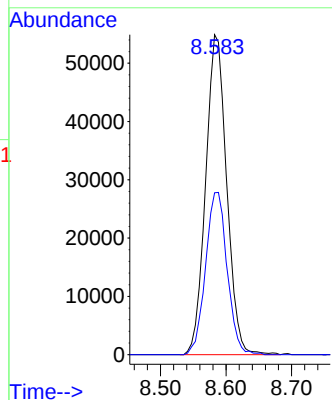
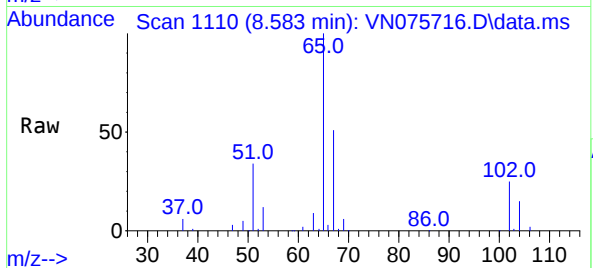
TB-2022-12-08

Tgt Ion: 65 Resp: 122620

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075716.D

Acq: 12 Dec 2022 16:29

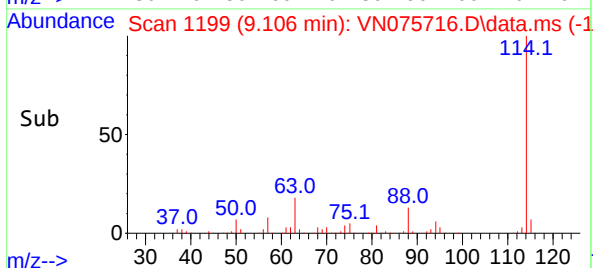
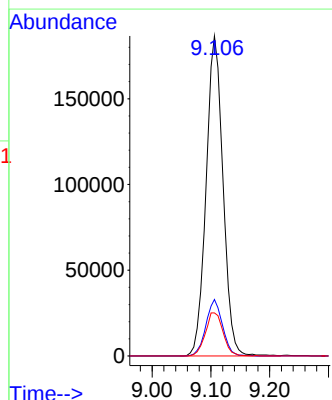
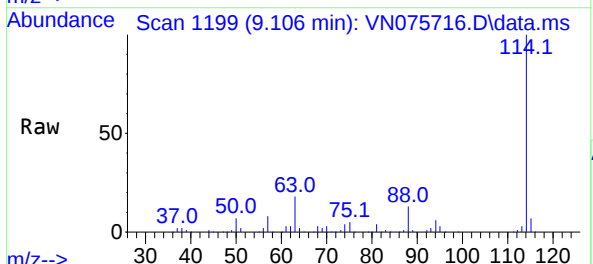
Tgt Ion: 114 Resp: 373752

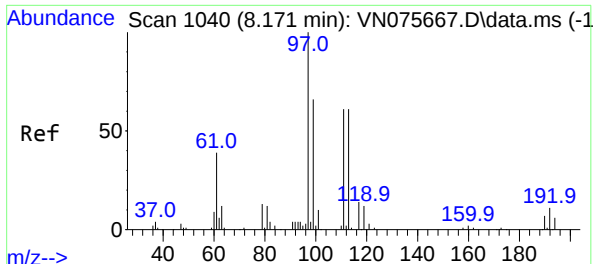
Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.4

88 13.5 0.0 29.2

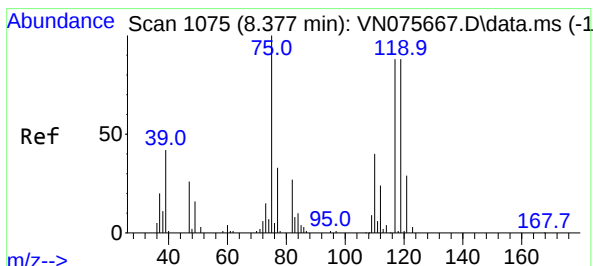
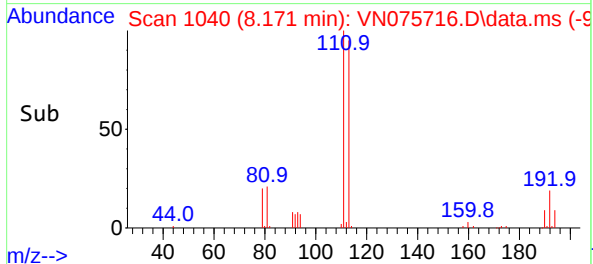
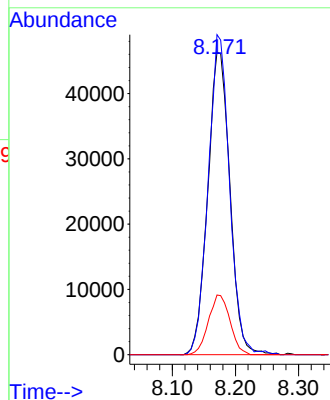
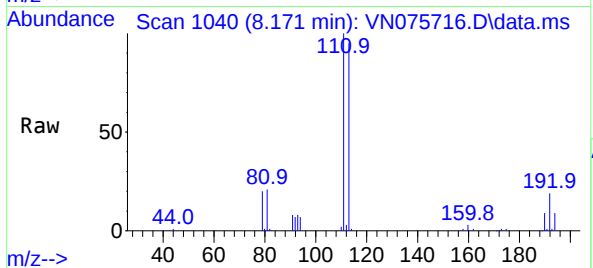




#35
Dibromofluoromethane
Concen: 49.723 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075716.D
Acq: 12 Dec 2022 16:29

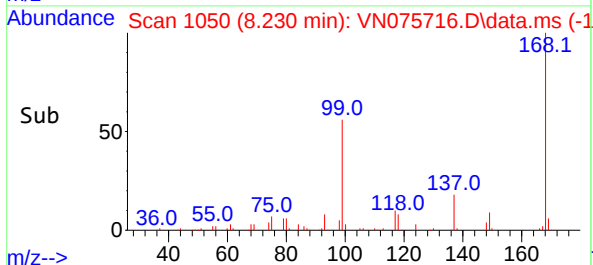
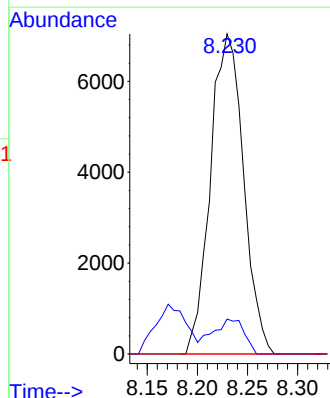
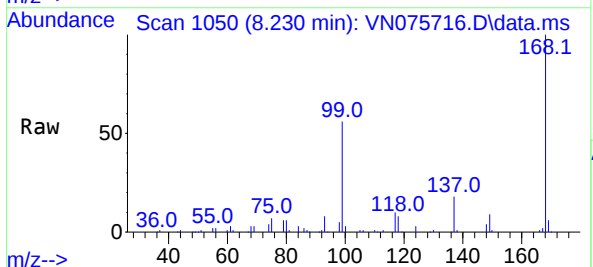
Instrument :
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TB-2022-12-08

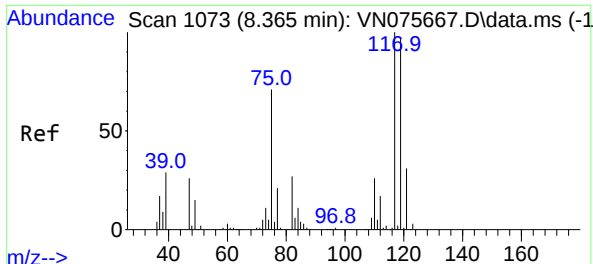
Tgt Ion:113 Resp: 113384
Ion Ratio Lower Upper
113 100
111 101.6 81.0 121.6
192 19.1 16.2 24.2



#36
1,1-Dichloropropene
Concen: 5.342 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075716.D
Acq: 12 Dec 2022 16:29

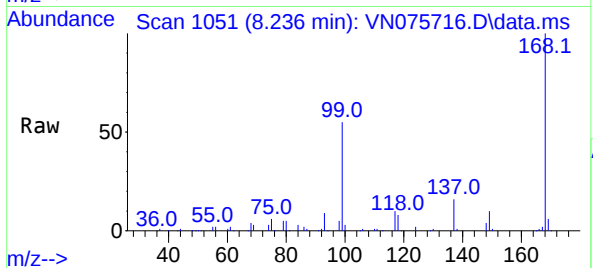
Tgt Ion: 75 Resp: 16175
Ion Ratio Lower Upper
75 100
110 10.5 18.9 56.9#
77 0.0 25.4 38.2#



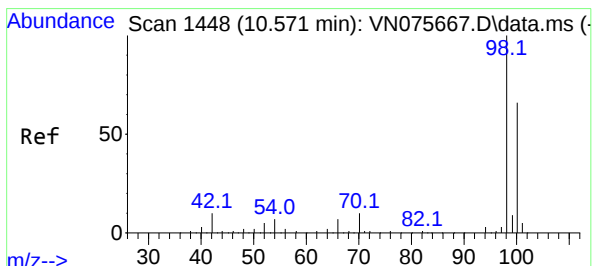
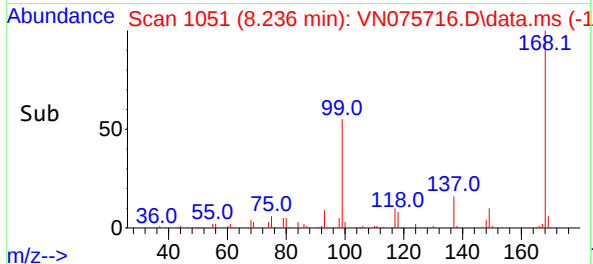
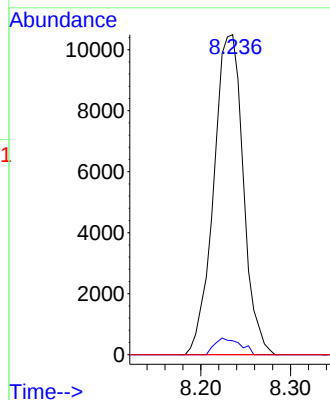


#38
Carbon Tetrachloride
Concen: 6.871 ug/l
RT: 8.236 min Scan# 1073
Delta R.T. -0.129 min
Lab File: VN075716.D
Acq: 12 Dec 2022 16:29

Instrument :
MSVOA_N
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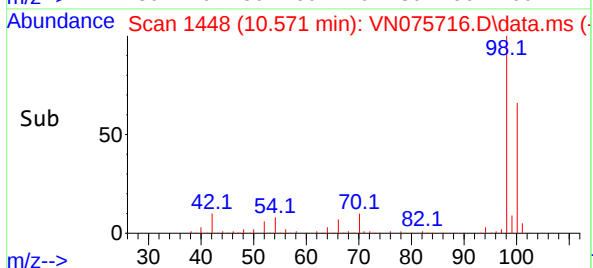
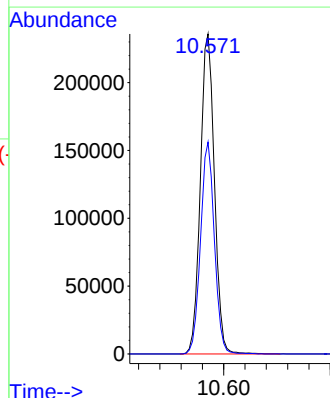
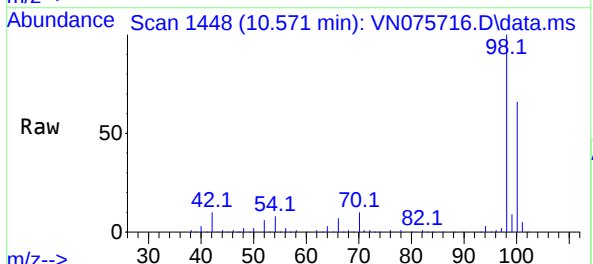


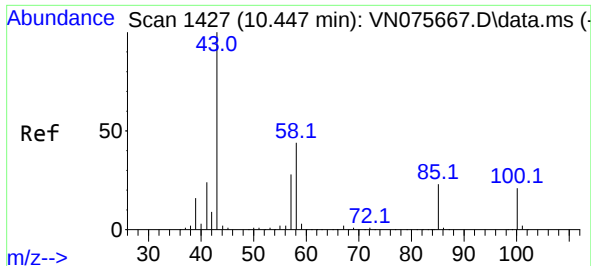
Tgt Ion:117 Resp: 24007
Ion Ratio Lower Upper
117 100
119 4.3 77.2 115.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 50.335 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075716.D
Acq: 12 Dec 2022 16:29

Tgt Ion: 98 Resp: 431051
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8

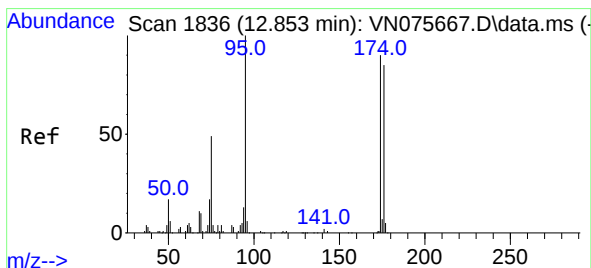
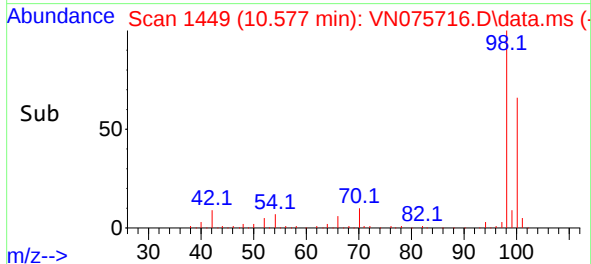
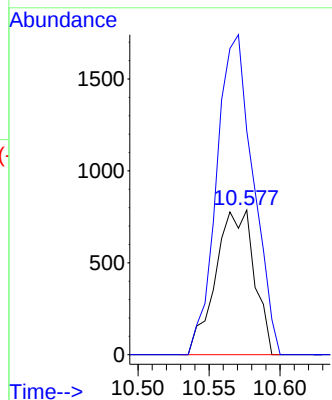
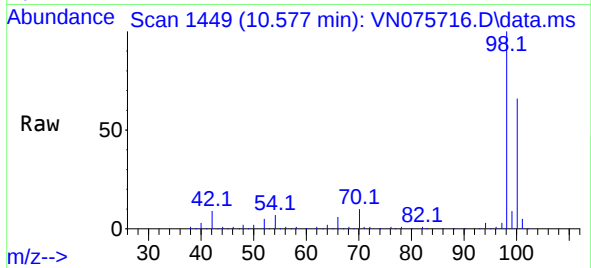




#51
4-Methyl-2-Pentanone
Concen: 0.595 ug/l
RT: 10.577 min Scan# 1427
Delta R.T. 0.130 min
Lab File: VN075716.D
Acq: 12 Dec 2022 16:29

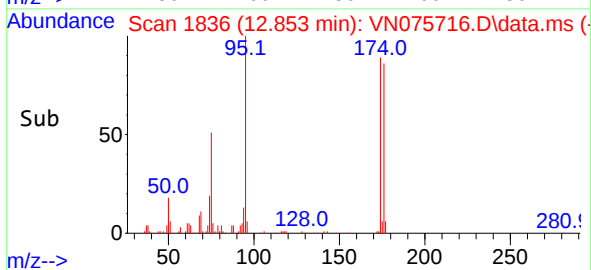
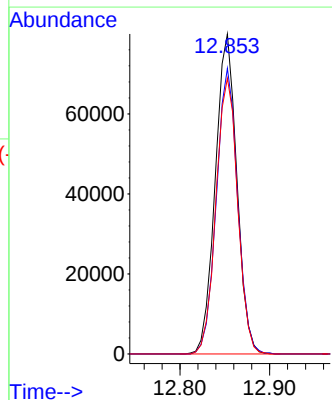
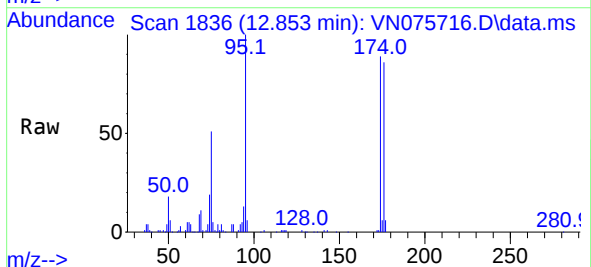
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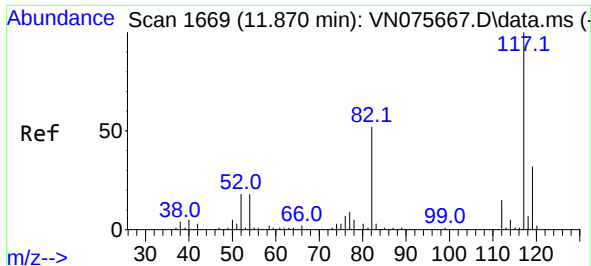
Tgt Ion: 43 Resp: 1489
Ion Ratio Lower Upper
43 100
58 209.2 35.0 52.6#



#62
4-Bromofluorobenzene
Concen: 45.455 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075716.D
Acq: 12 Dec 2022 16:29

Tgt Ion: 95 Resp: 133089
Ion Ratio Lower Upper
95 100
174 88.0 0.0 178.6
176 86.7 0.0 170.8

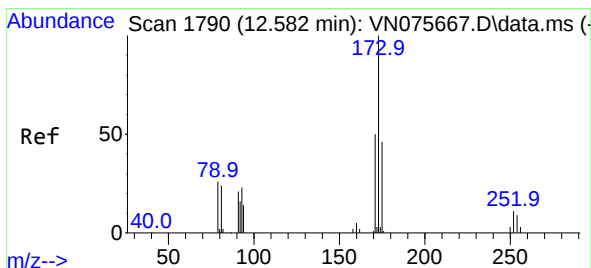
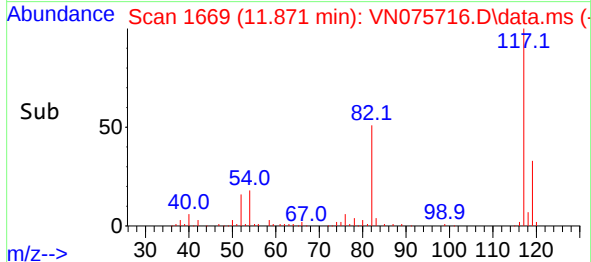
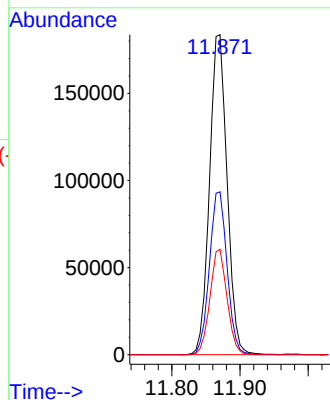
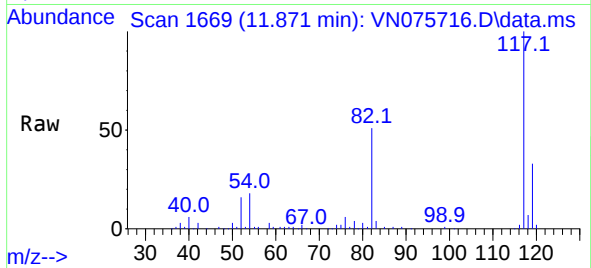




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN075716.D
Acq: 12 Dec 2022 16:29

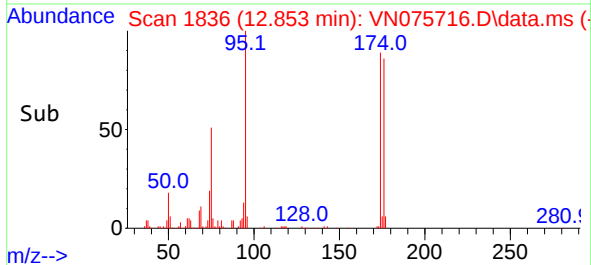
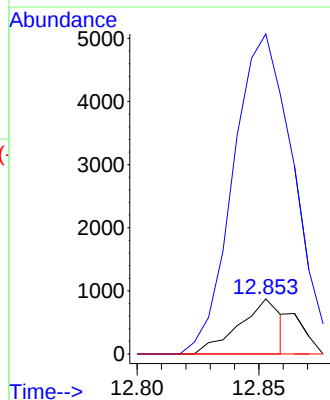
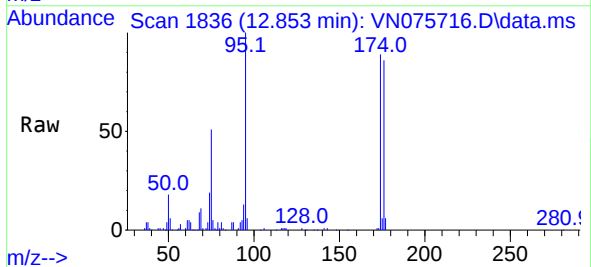
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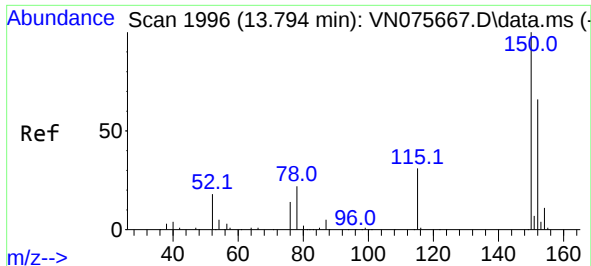
Tgt Ion:117 Resp: 329502
Ion Ratio Lower Upper
117 100
82 50.9 41.8 62.8
119 32.9 25.8 38.6



#71
Bromoform
Concen: 0.557 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075716.D
Acq: 12 Dec 2022 16:29

Tgt Ion:173 Resp: 1042
Ion Ratio Lower Upper
173 100
175 668.3 23.8 71.2#
254 0.0 0.0 0.0

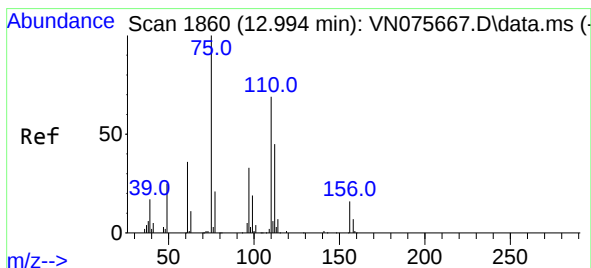
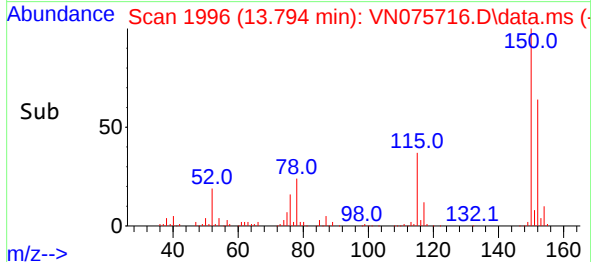
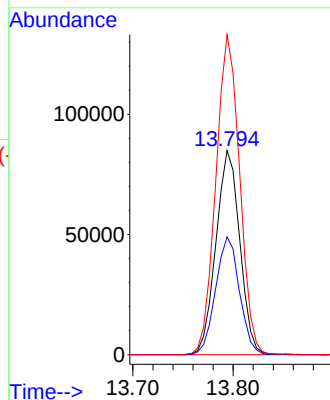
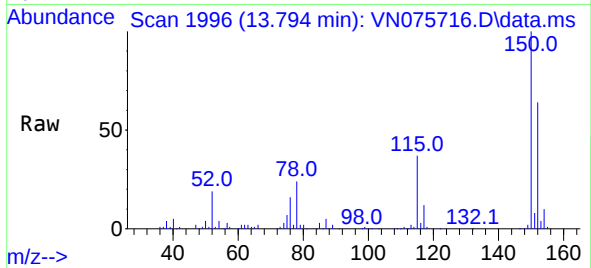




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075716.D
Acq: 12 Dec 2022 16:29

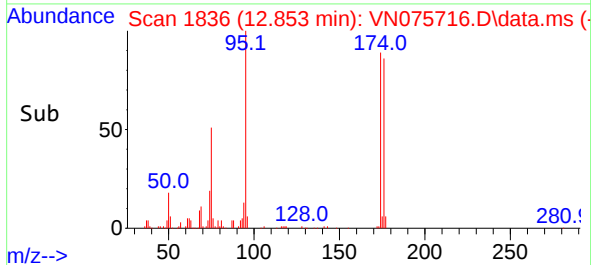
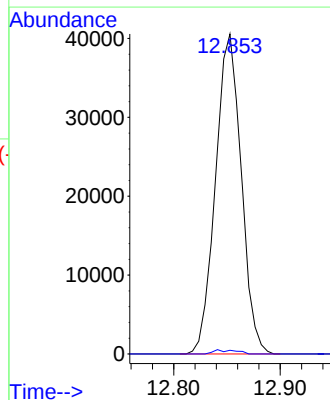
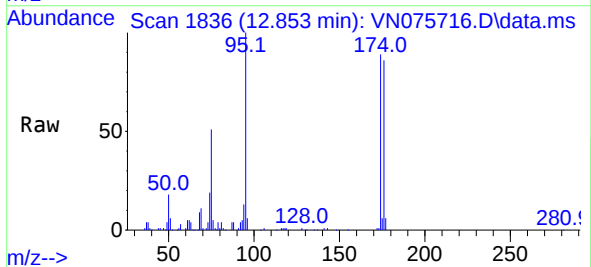
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-12-08

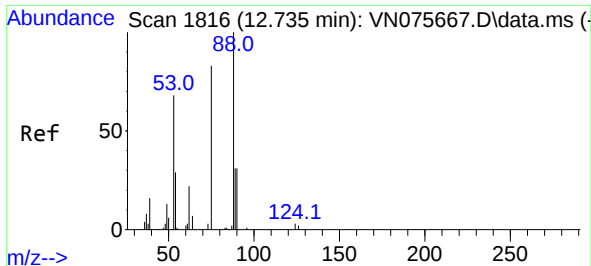
Tgt Ion:152 Resp: 140149
Ion Ratio Lower Upper
152 100
115 57.6 28.4 85.2
150 156.7 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 24.170 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075716.D
Acq: 12 Dec 2022 16:29

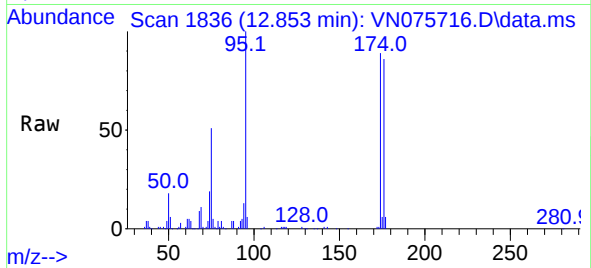
Tgt Ion: 75 Resp: 68026
Ion Ratio Lower Upper
75 100
77 1.1 81.8 245.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.202 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN075716.D
 Acq: 12 Dec 2022 16:29

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-2022-12-08



Tgt Ion: 75 Resp: 68026
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.4 108.6#
 89 0.0 36.6 55.0#

