

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090524\
 Data File : VN083680.D
 Acq On : 05 Sep 2024 17:03
 Operator : JC\MD
 Sample : P3827-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BR-03D-489.5-090324

Quant Time: Sep 06 02:20:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 00:48:10 2024
 Response via : Initial Calibration

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

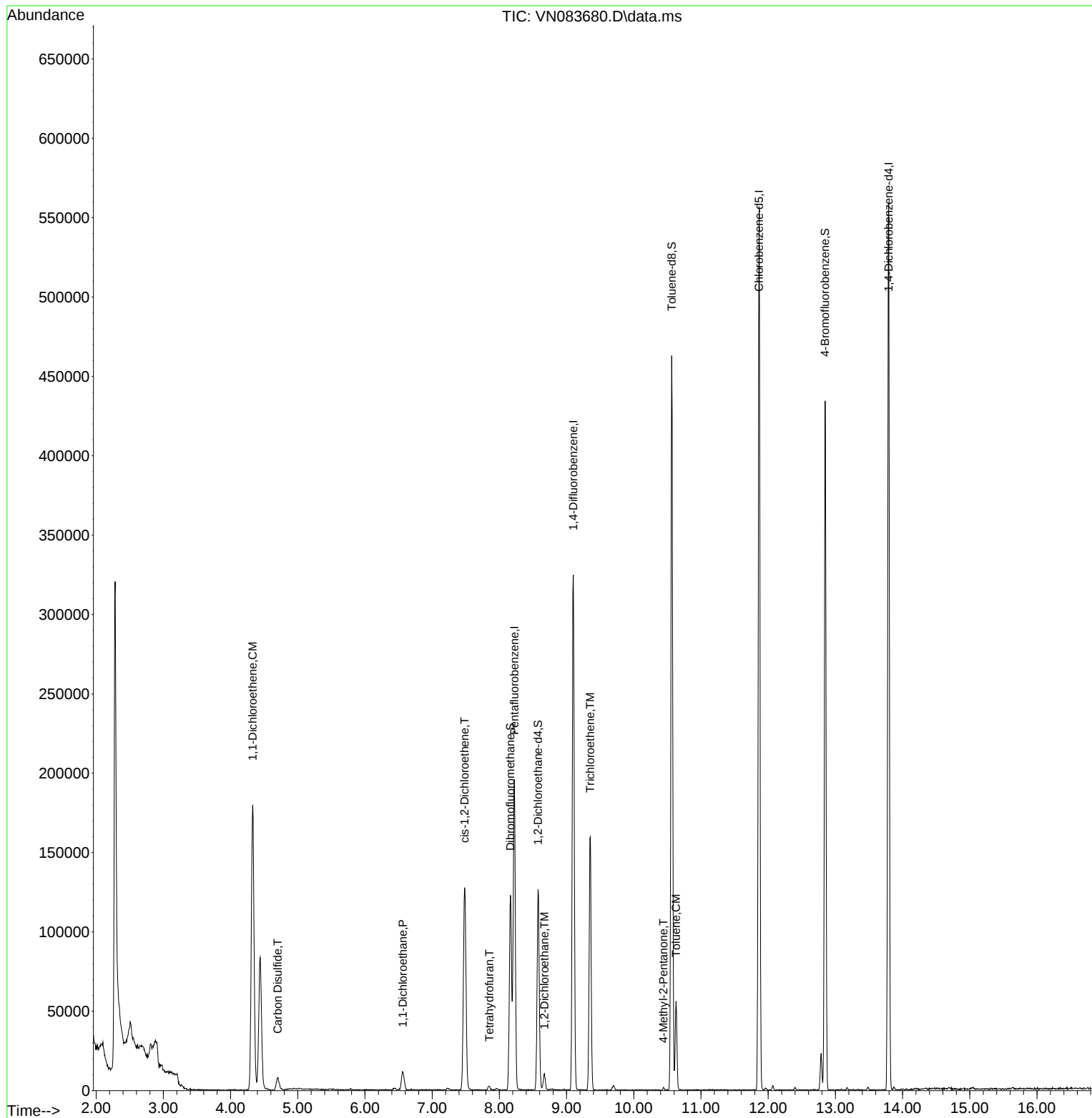
Internal Standards						
1) Pentafluorobenzene	8.224	168	133343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	273820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	298726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	143650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	106738	57.275	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.560%	
35) Dibromofluoromethane	8.165	113	86142	52.269	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.540%	
50) Toluene-d8	10.565	98	313440	48.811	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.620%	
62) 4-Bromofluorobenzene	12.847	95	147641	62.100	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 124.200%#	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.330	96	102434	70.122	ug/l	97
17) Carbon Disulfide	4.700	76	18595	4.368	ug/l	99
24) 1,1-Dichloroethane	6.565	63	18087	6.176	ug/l	95
27) cis-1,2-Dichloroethene	7.482	96	76809	42.302	ug/l	89
29) Tetrahydrofuran	7.853	42	1689	2.691	ug/l	97
42) 1,2-Dichloroethane	8.671	62	9205	3.211	ug/l	95
44) Trichloroethene	9.353	130	54591	29.346	ug/l	96
51) 4-Methyl-2-Pentanone	10.441	43	1148	0.494	ug/l	98
52) Toluene	10.629	92	24102	4.984	ug/l	99

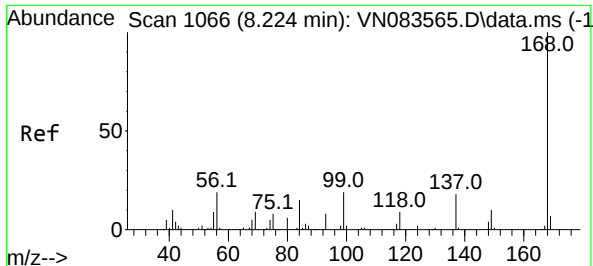
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

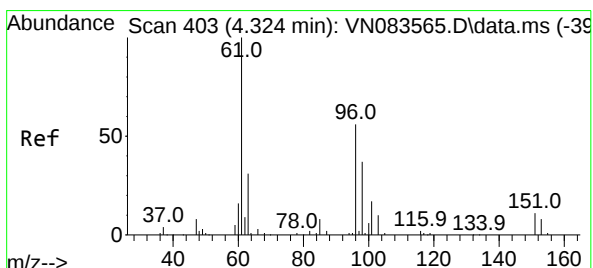
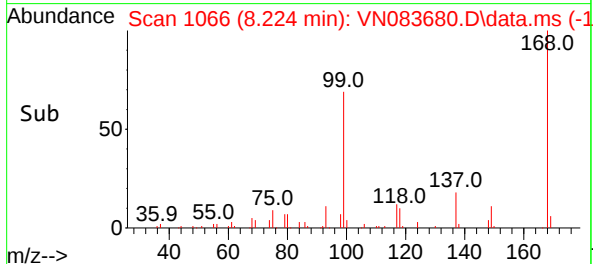
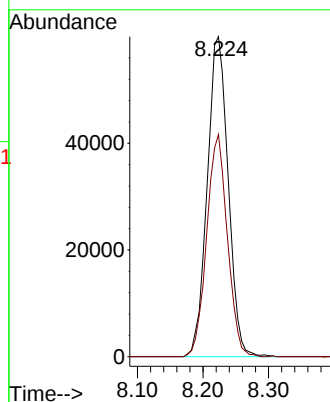
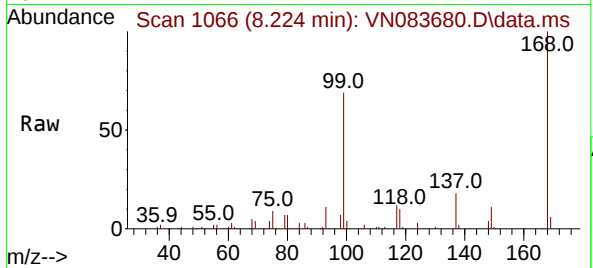




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

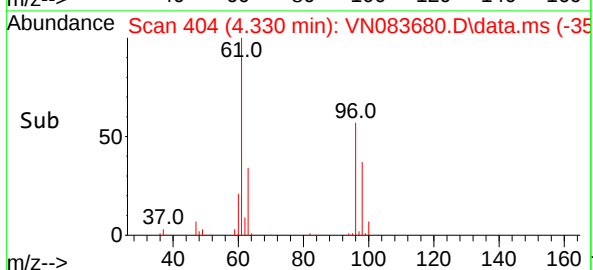
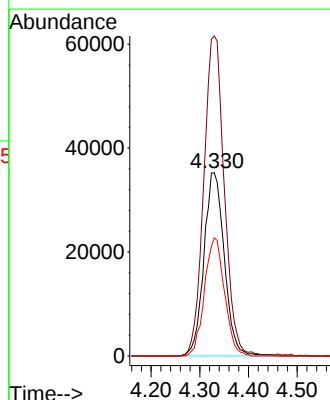
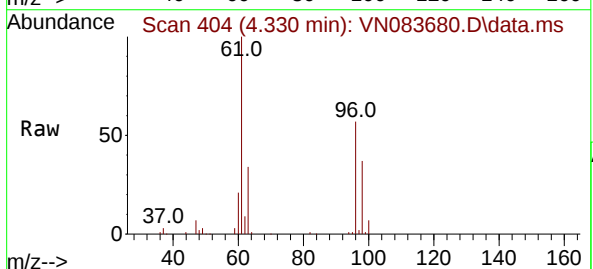
Instrument :
MSVOA_N
ClientSampleId :
BR-03D-489.5-090324

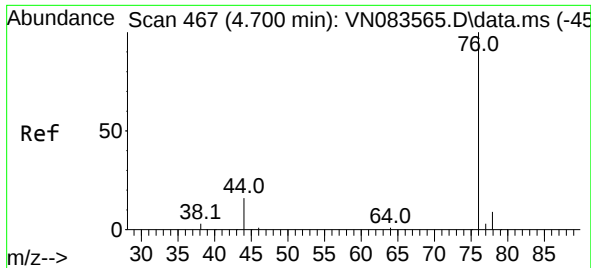
Tgt Ion:168 Resp: 133343
Ion Ratio Lower Upper
168 100
99 69.5 54.2 81.2



#12
1,1-Dichloroethene
Concen: 70.122 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.006 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

Tgt Ion: 96 Resp: 102434
Ion Ratio Lower Upper
96 100
61 174.6 143.4 215.0
98 64.5 52.7 79.1

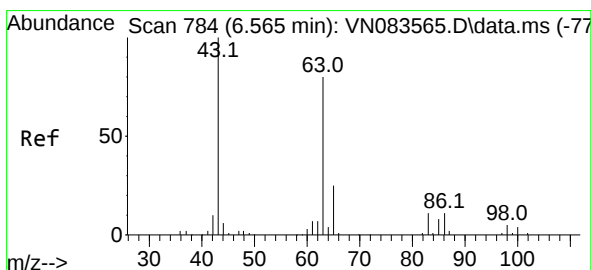
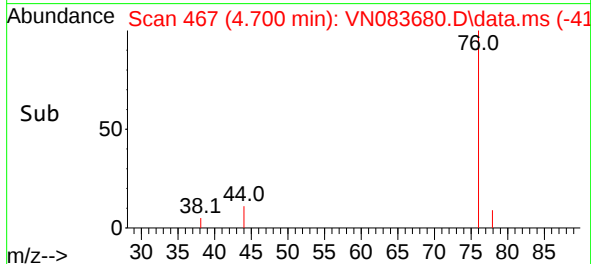
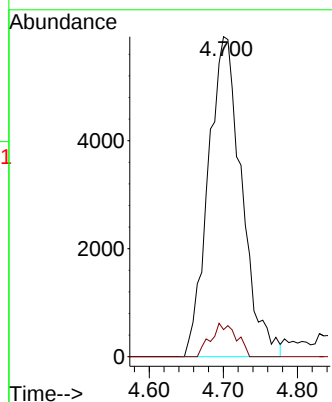
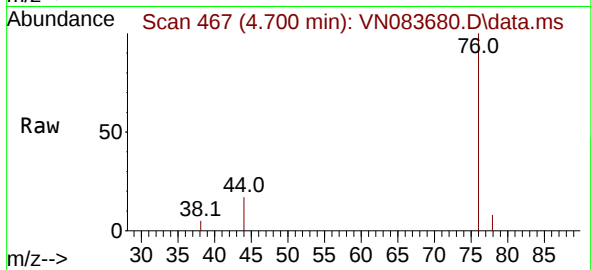




#17
Carbon Disulfide
Concen: 4.368 ug/l
RT: 4.700 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

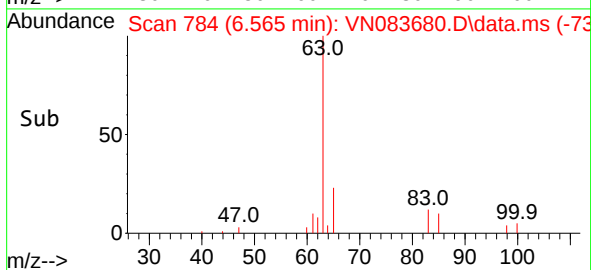
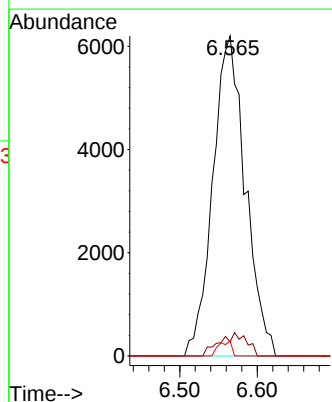
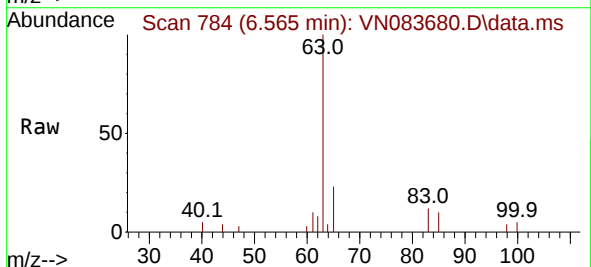
Instrument :
MSVOA_N
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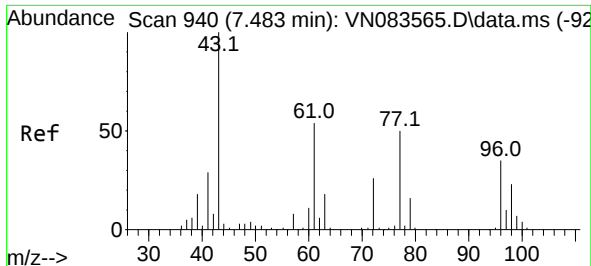
Tgt Ion: 76 Resp: 18595
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7



#24
1,1-Dichloroethane
Concen: 6.176 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

Tgt Ion: 63 Resp: 18087
Ion Ratio Lower Upper
63 100
98 4.4 3.5 10.4
100 4.7 2.5 7.5



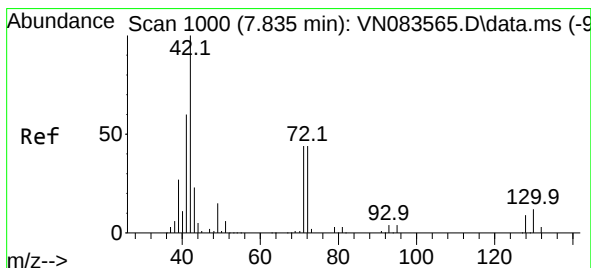
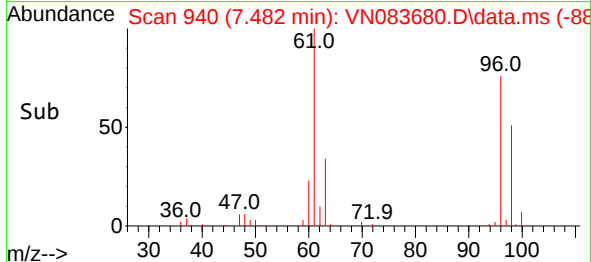
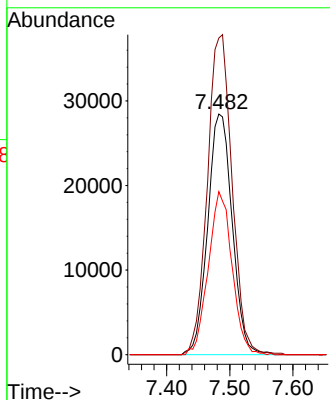
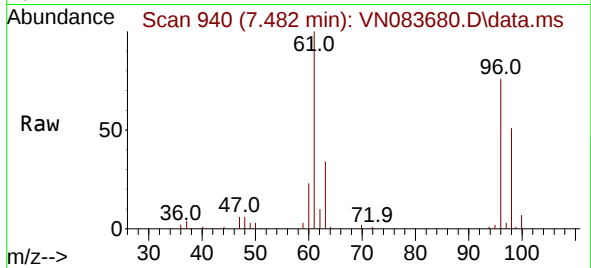


#27
 cis-1,2-Dichloroethene
 Concen: 42.302 ug/l
 RT: 7.482 min Scan# 94
 Delta R.T. -0.000 min
 Lab File: VN083680.D
 Acq: 05 Sep 2024 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 BR-03D-489.5-090324

Tgt Ion: 96 Resp: 76809

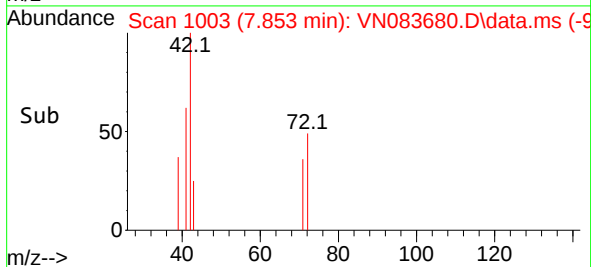
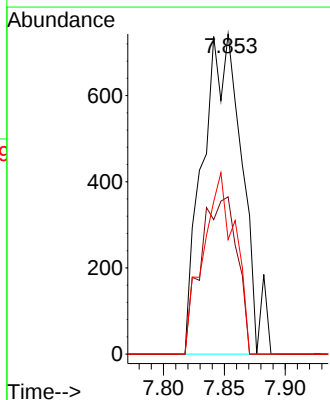
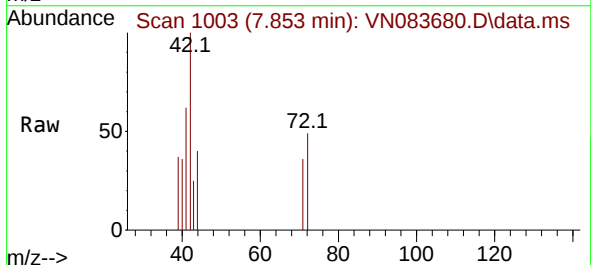
Ion	Ratio	Lower	Upper
96	100		
61	133.9	0.0	306.2
98	65.5	0.0	128.6

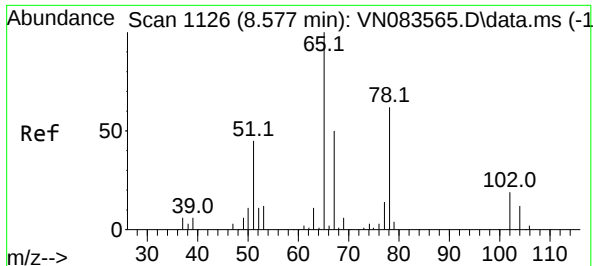


#29
 Tetrahydrofuran
 Concen: 2.691 ug/l
 RT: 7.853 min Scan# 1003
 Delta R.T. 0.018 min
 Lab File: VN083680.D
 Acq: 05 Sep 2024 17:03

Tgt Ion: 42 Resp: 1689

Ion	Ratio	Lower	Upper
42	100		
72	45.1	35.9	53.9
71	45.6	33.9	50.9





#33

1,2-Dichloroethane-d4

Concen: 57.275 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083680.D

Acq: 05 Sep 2024 17:03

Instrument :

MSVOA_N

ClientSampleId :

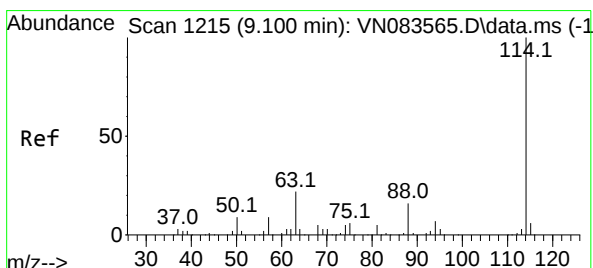
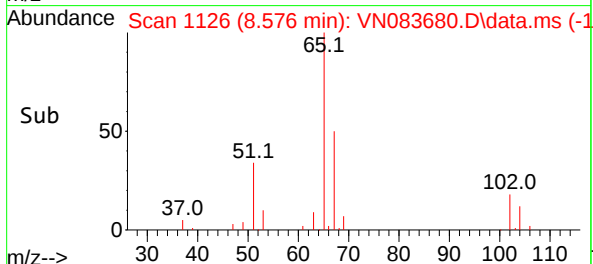
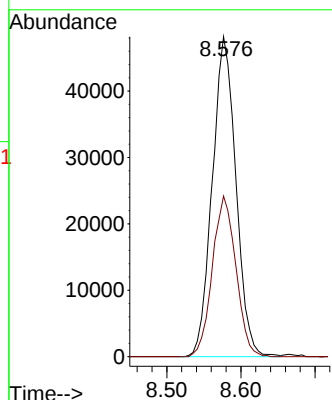
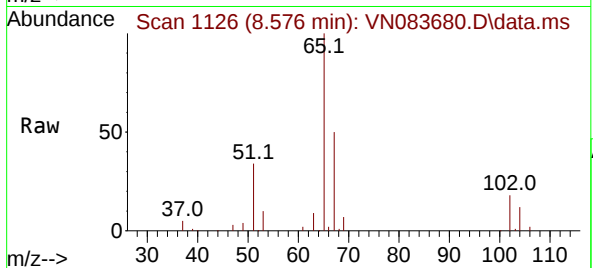
BR-03D-489.5-090324

Tgt Ion: 65 Resp: 106738

Ion Ratio Lower Upper

65 100

67 49.9 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN083680.D

Acq: 05 Sep 2024 17:03

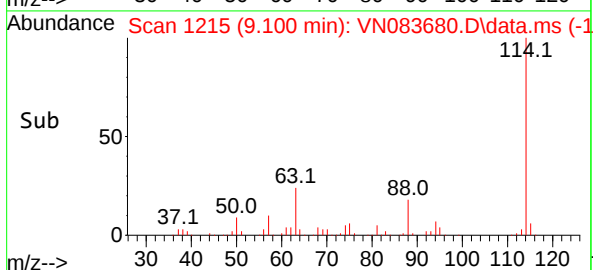
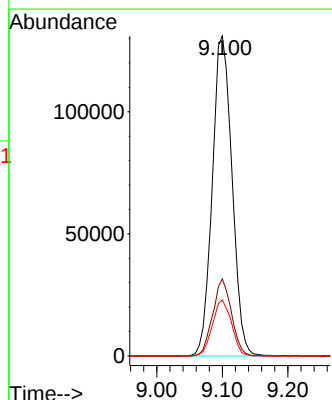
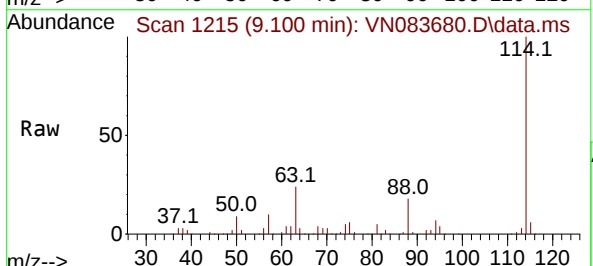
Tgt Ion: 114 Resp: 273820

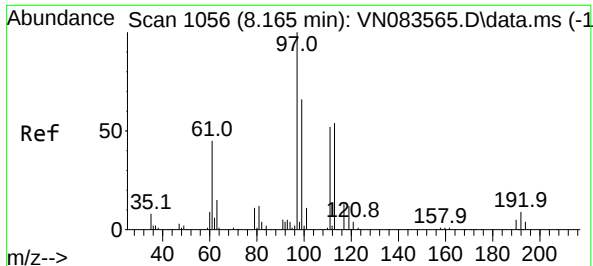
Ion Ratio Lower Upper

114 100

63 24.1 0.0 43.4

88 17.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.269 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083680.D

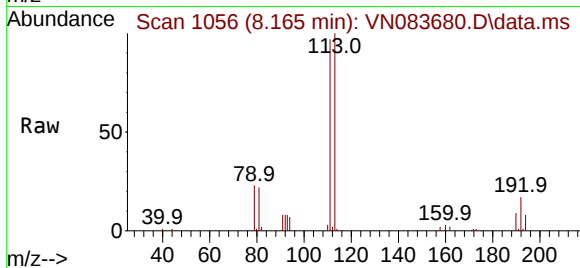
Acq: 05 Sep 2024 17:03

Instrument :

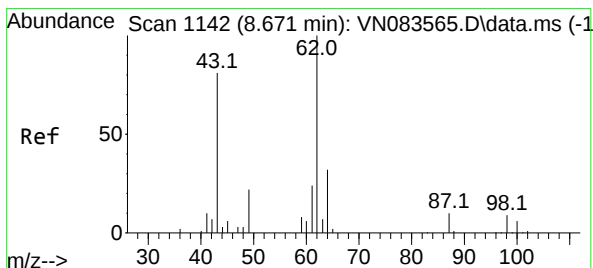
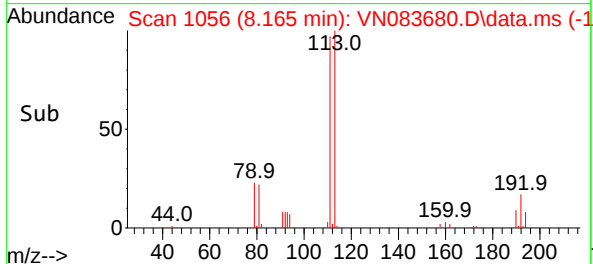
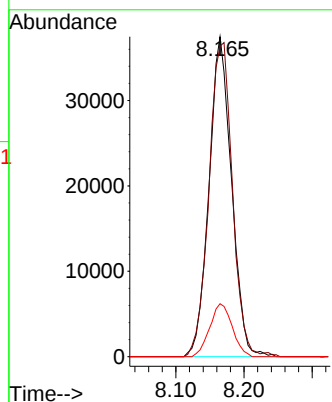
MSVOA_N

ClientSampleId :

BR-03D-489.5-090324



Tgt Ion:	113	Resp:	86142
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.6	124.0
192	16.6	14.3	21.5



#42

1,2-Dichloroethane

Concen: 3.211 ug/l

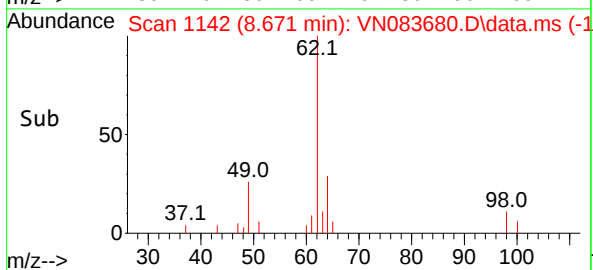
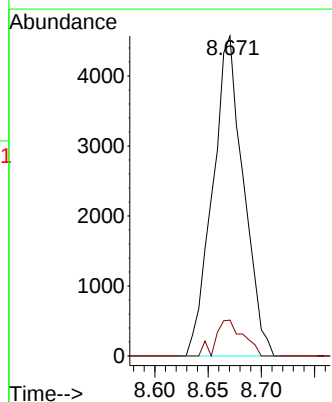
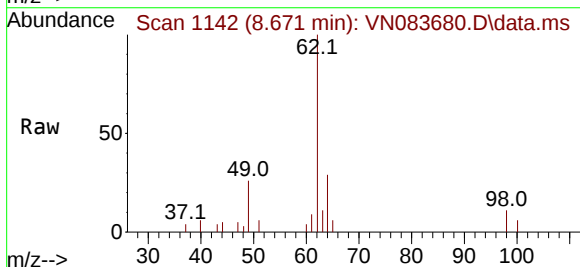
RT: 8.671 min Scan# 1142

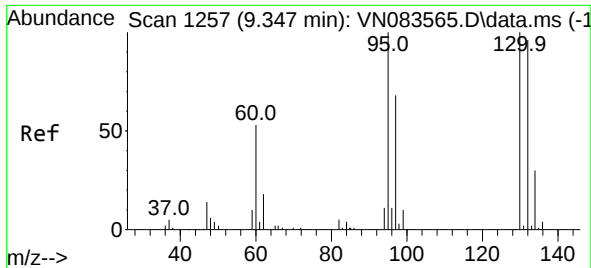
Delta R.T. -0.000 min

Lab File: VN083680.D

Acq: 05 Sep 2024 17:03

Tgt Ion:	62	Resp:	9205
Ion Ratio	Lower	Upper	
62	100		
98	9.9	0.0	16.6

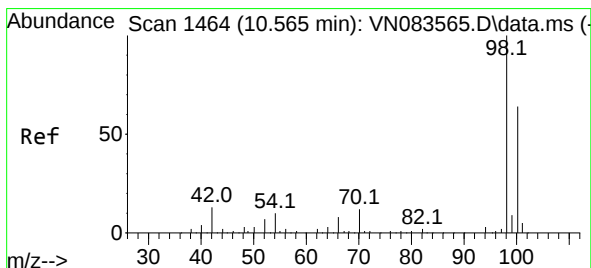
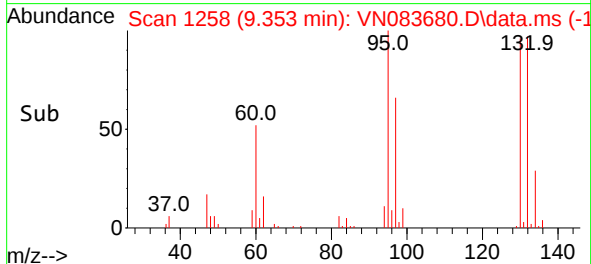
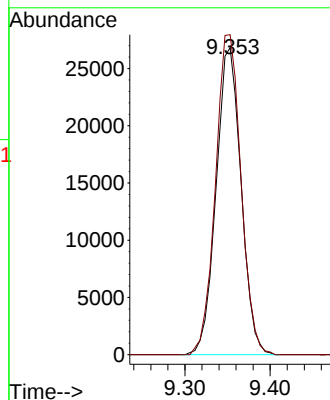
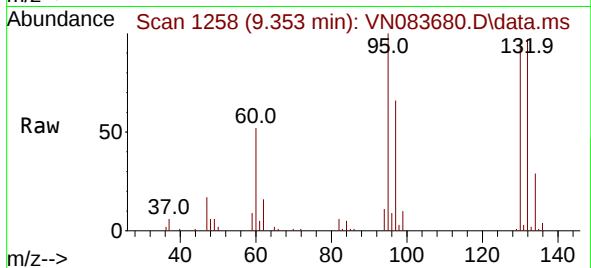




#44
Trichloroethene
Concen: 29.346 ug/l
RT: 9.353 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

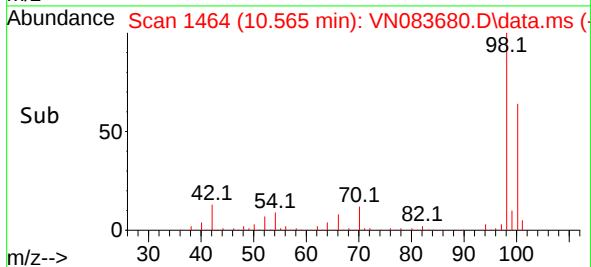
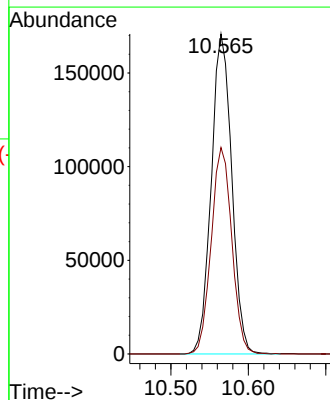
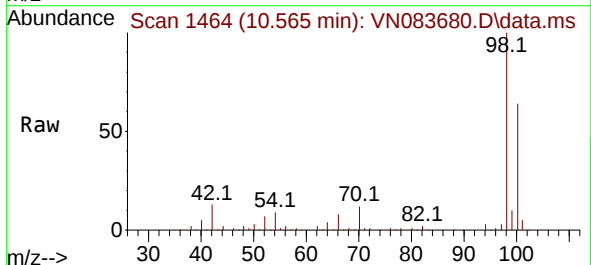
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MSVOA_N
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BR-03D-489.5-090324

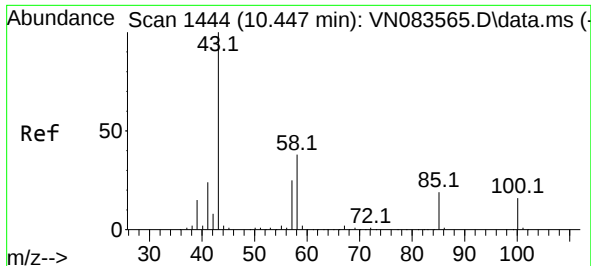
Tgt Ion:130 Resp: 54591
Ion Ratio Lower Upper
130 100
95 104.2 0.0 200.4



#50
Toluene-d8
Concen: 48.811 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

Tgt Ion: 98 Resp: 313440
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0

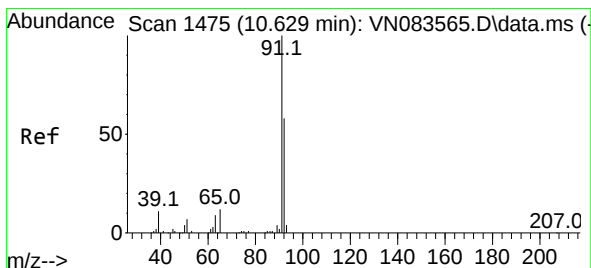
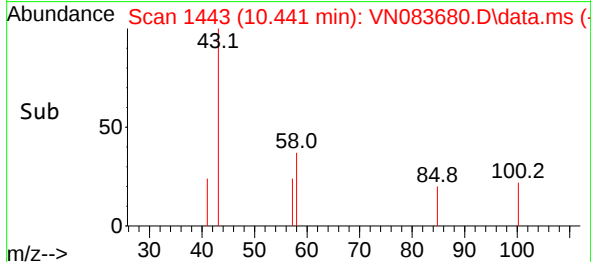
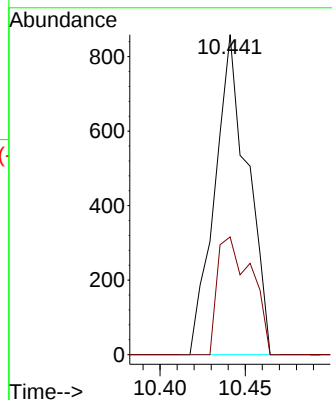
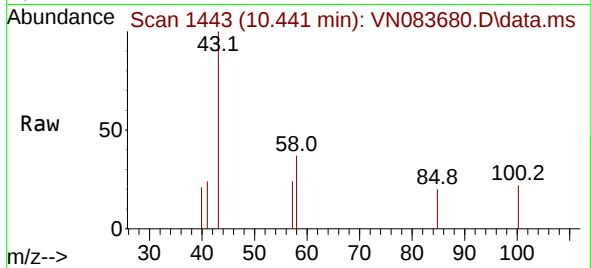




#51
4-Methyl-2-Pentanone
Concen: 0.494 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

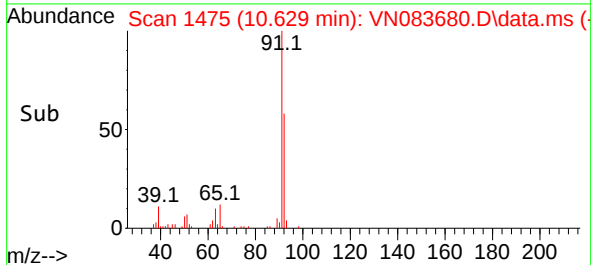
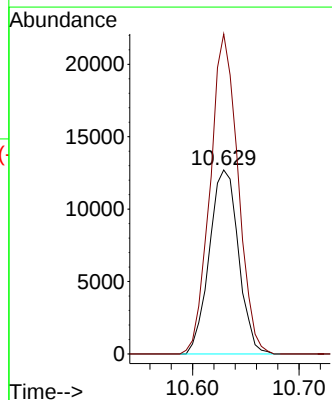
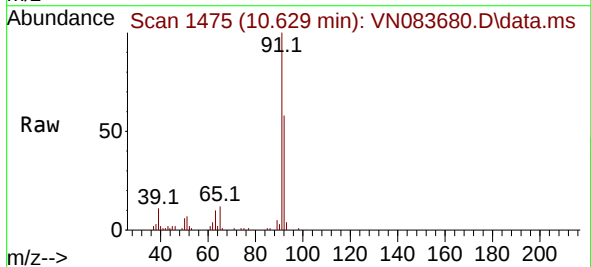
Instrument :
MSVOA_N
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BR-03D-489.5-090324

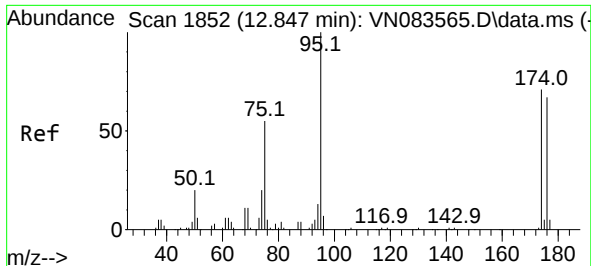
Tgt Ion: 43 Resp: 1148
Ion Ratio Lower Upper
43 100
58 38.2 31.6 47.4



#52
Toluene
Concen: 4.984 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

Tgt Ion: 92 Resp: 24102
Ion Ratio Lower Upper
92 100
91 166.4 134.7 202.1

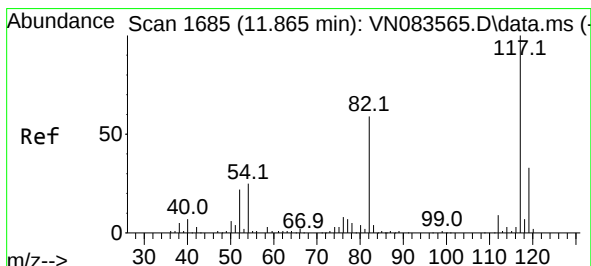
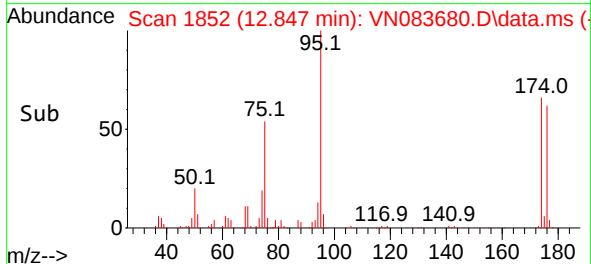
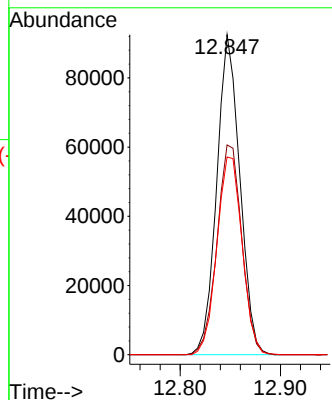
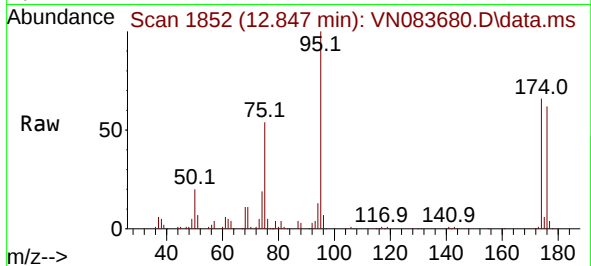




#62
4-Bromofluorobenzene
Concen: 62.100 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

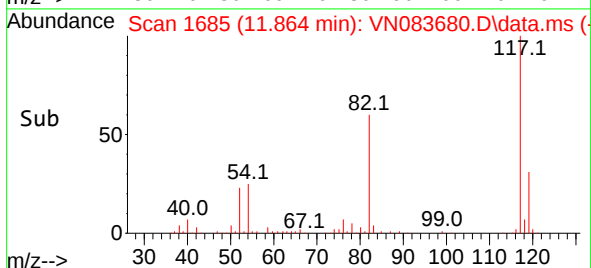
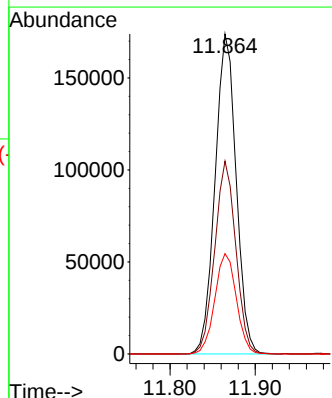
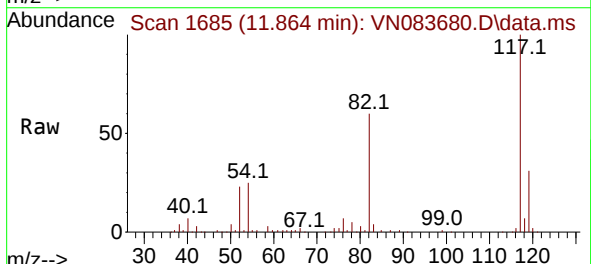
Instrument :
MSVOA_N
ClientSampleId :
BR-03D-489.5-090324

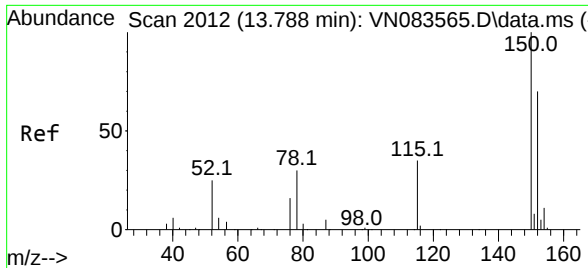
Tgt Ion: 95 Resp: 147641
Ion Ratio Lower Upper
95 100
174 70.4 0.0 139.8
176 67.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

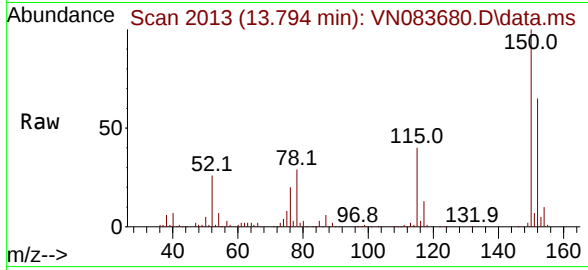
Tgt Ion: 117 Resp: 298726
Ion Ratio Lower Upper
117 100
82 60.3 47.4 71.0
119 31.4 26.3 39.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN083680.D
 Acq: 05 Sep 2024 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 BR-03D-489.5-090324



Tgt Ion:152 Resp: 143650
 Ion Ratio Lower Upper
 152 100
 115 64.8 32.2 96.6
 150 160.2 0.0 348.6

