

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081624\
 Data File : VN083354.D
 Acq On : 16 Aug 2024 15:15
 Operator : JC\MD
 Sample : P3456-04RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 17 01:47:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

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

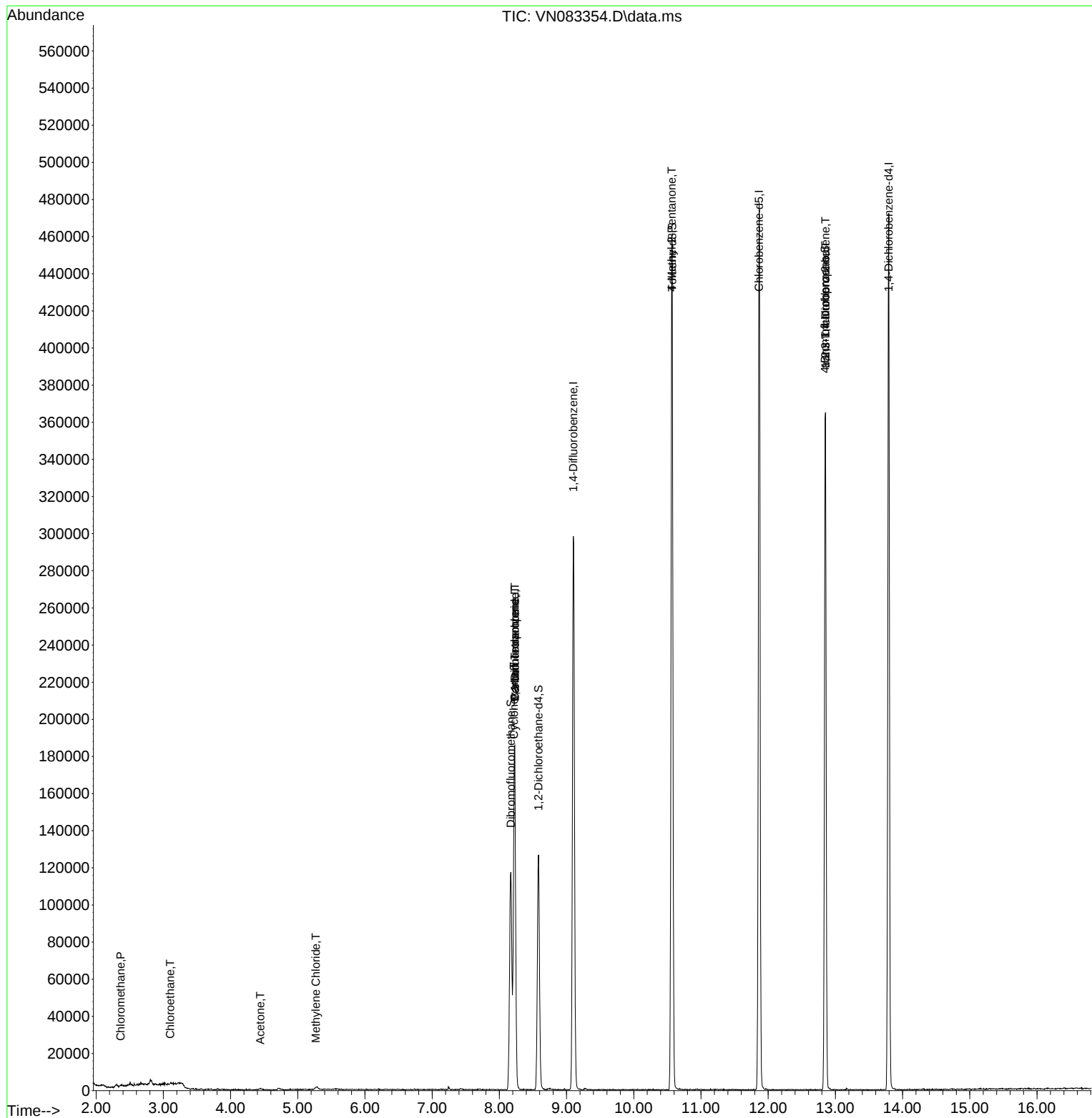
Internal Standards						
1) Pentafluorobenzene	8.229	168	128651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	254645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	268108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119438	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	107574	58.745	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 117.500%	
35) Dibromofluoromethane	8.171	113	86809	54.616	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.240%	
50) Toluene-d8	10.571	98	320673	54.086	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.180%	
62) 4-Bromofluorobenzene	12.847	95	133093	57.580	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 115.160%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	521	0.349	ug/l #	43
6) Chloroethane	3.100	64	352	0.369	ug/l #	41
16) Acetone	4.441	43	1140	1.591	ug/l #	48
20) Methylene Chloride	5.271	84	630	0.382	ug/l #	73
31) Cyclohexane	8.218	56	3122	1.150	ug/l #	23
36) 1,1-Dichloropropene	8.229	75	11614	4.830	ug/l #	51
38) Carbon Tetrachloride	8.229	117	14926	5.512	ug/l #	18
43) Isopropyl Acetate	8.718	43	280	Below Cal	#	60
51) 4-Methyl-2-Pentanone	10.565	43	1375	0.540	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	73119	27.893	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	73119	60.675	ug/l #	6

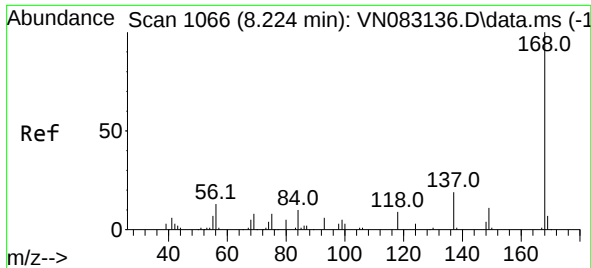
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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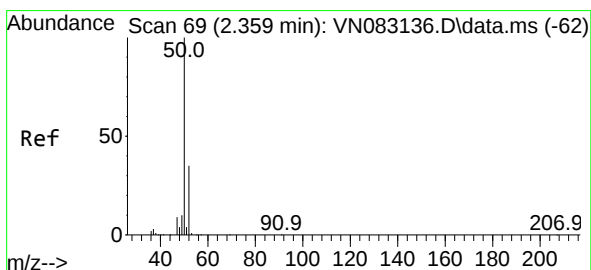
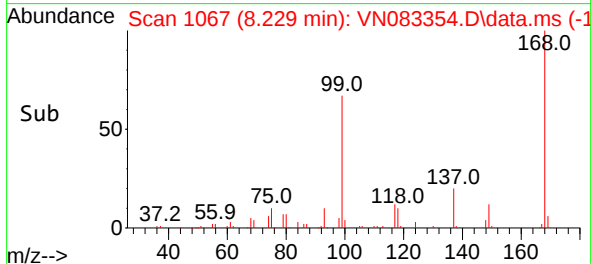
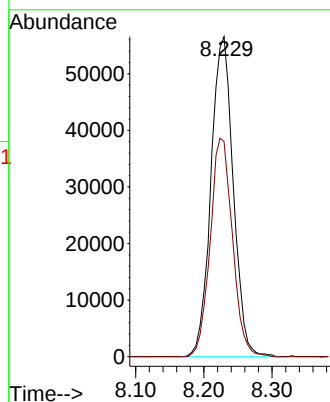
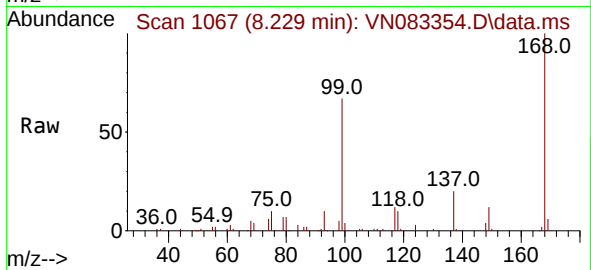




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN083354.D
Acq: 16 Aug 2024 15:15

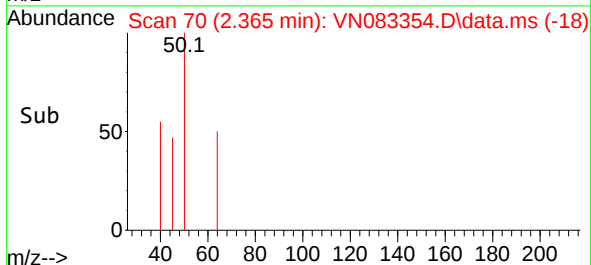
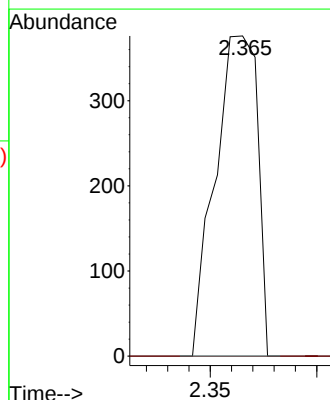
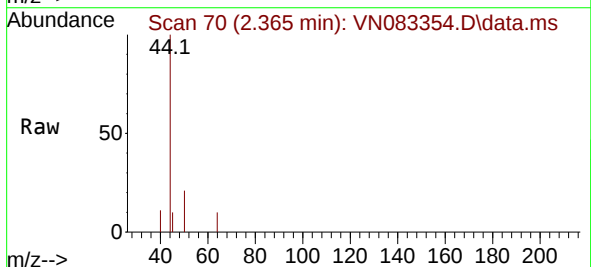
Instrument :
MSVOA_N
ClientSampleId :

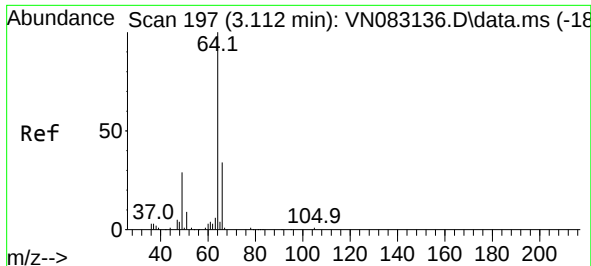
Tgt Ion:168 Resp: 128651
Ion Ratio Lower Upper
168 100
99 67.2 48.2 72.4



#3
Chloromethane
Concen: 0.349 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083354.D
Acq: 16 Aug 2024 15:15

Tgt Ion: 50 Resp: 521
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

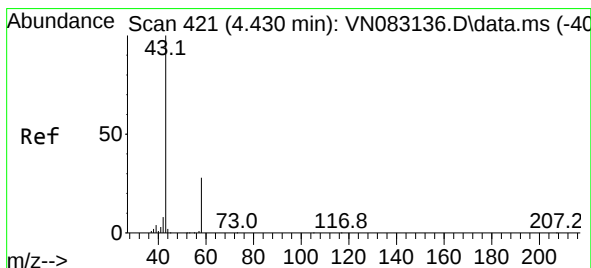
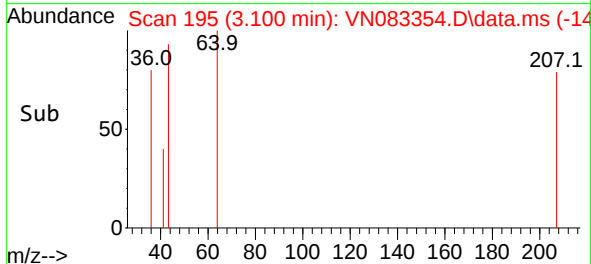
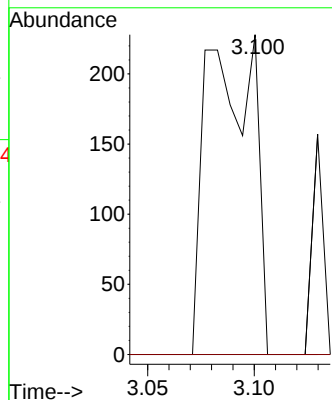
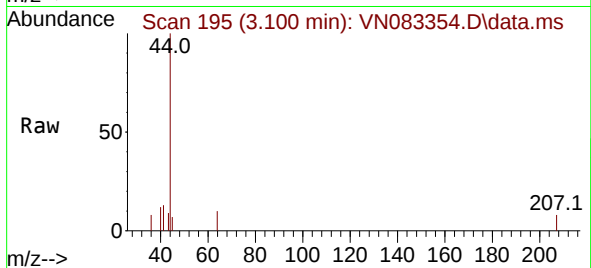




#6
Chloroethane
Concen: 0.369 ug/l
RT: 3.100 min Scan# 197
Delta R.T. -0.012 min
Lab File: VN083354.D
Acq: 16 Aug 2024 15:15

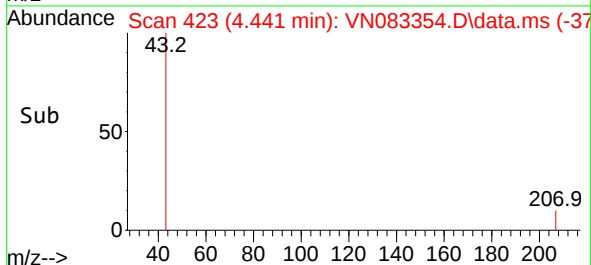
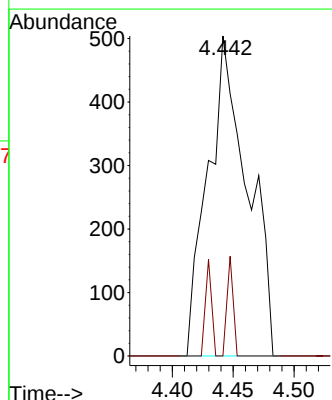
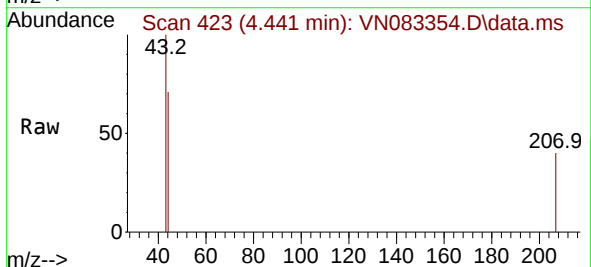
Instrument :
MSVOA_N
ClientSampleId :

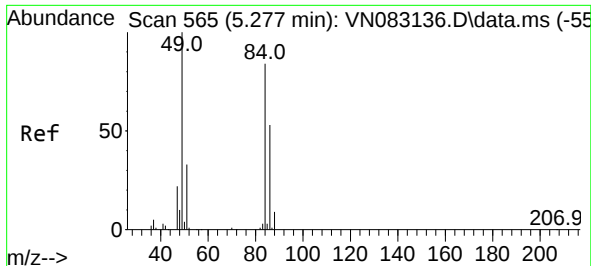
Tgt Ion: 64 Resp: 352
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#



#16
Acetone
Concen: 1.591 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN083354.D
Acq: 16 Aug 2024 15:15

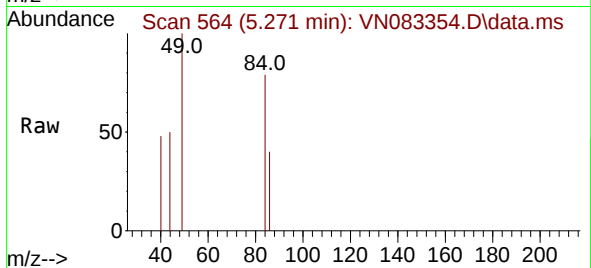
Tgt Ion: 43 Resp: 1140
Ion Ratio Lower Upper
43 100
58 0.0 21.8 32.6#



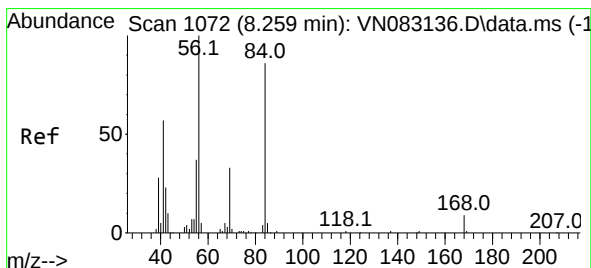
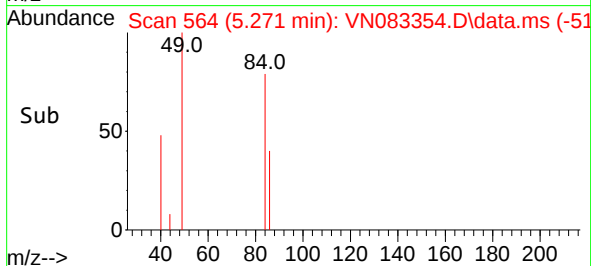
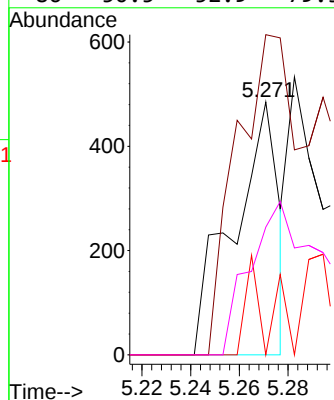


#20
Methylene Chloride
Concen: 0.382 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN083354.D
Acq: 16 Aug 2024 15:15

Instrument :
MSVOA_N
ClientSampleId :

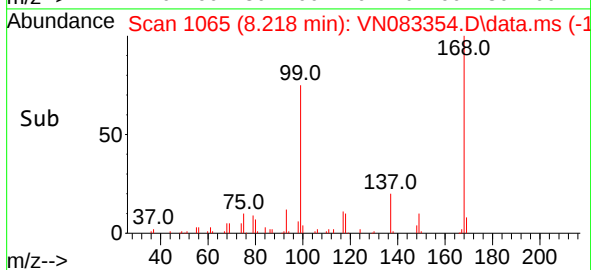
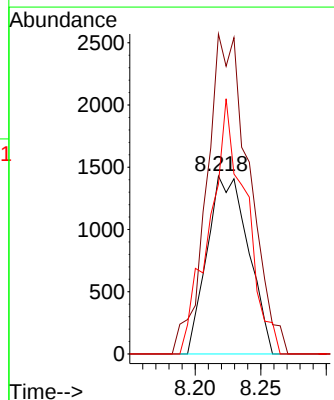
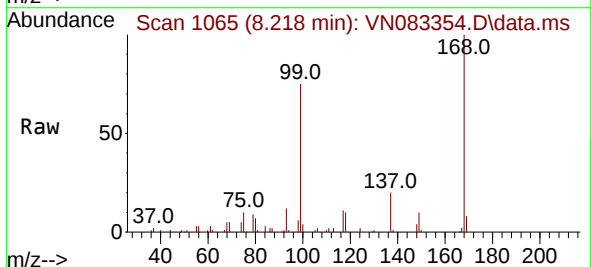


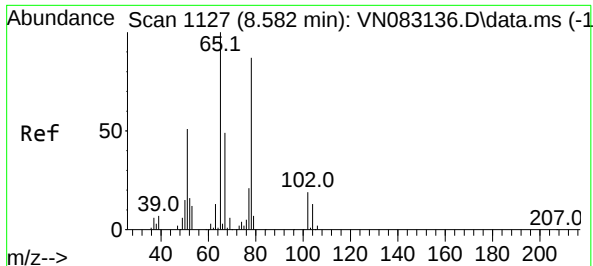
Tgt Ion:	84	Resp:	630
Ion	Ratio	Lower	Upper
84	100		
49	126.6	119.6	179.4
51	0.0	34.8	52.2#
86	50.5	52.9	79.3#



#31
Cyclohexane
Concen: 1.150 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN083354.D
Acq: 16 Aug 2024 15:15

Tgt Ion:	56	Resp:	3122
Ion	Ratio	Lower	Upper
56	100		
69	164.0	24.5	36.7#
84	95.5	66.0	99.0

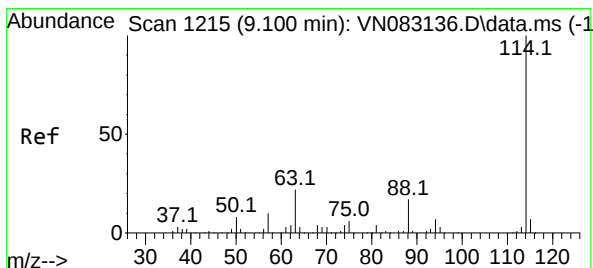
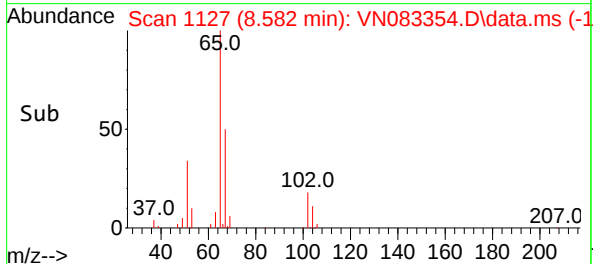
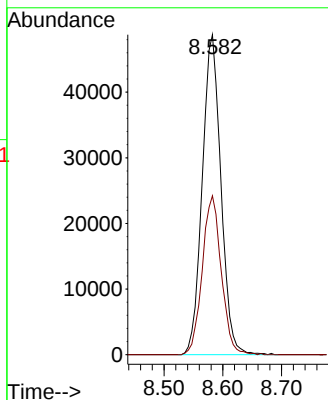
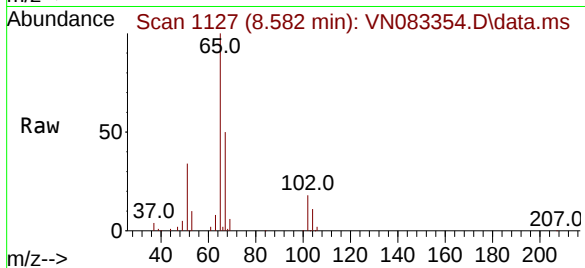




#33
1,2-Dichloroethane-d4
Concen: 58.745 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN083354.D
Acq: 16 Aug 2024 15:15

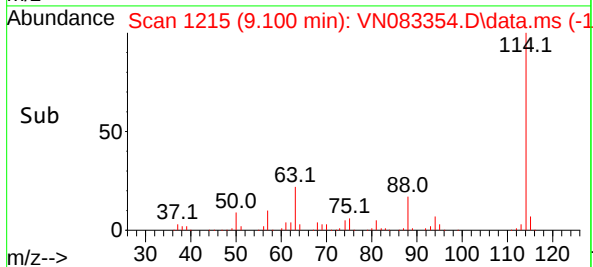
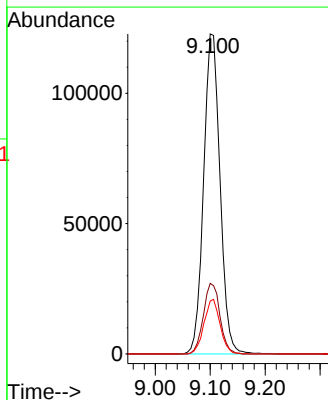
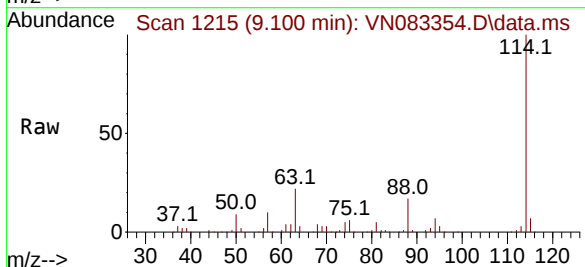
Instrument :
MSVOA_N
ClientSampleId :

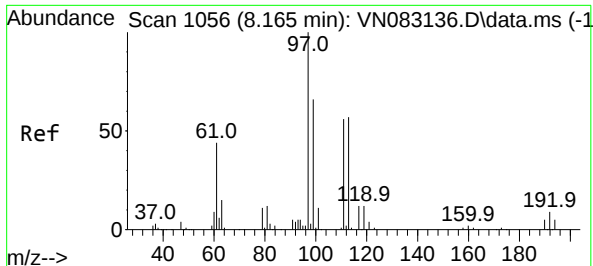
Tgt Ion: 65 Resp: 107574
Ion Ratio Lower Upper
65 100
67 50.6 0.0 104.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN083354.D
Acq: 16 Aug 2024 15:15

Tgt Ion: 114 Resp: 254645
Ion Ratio Lower Upper
114 100
63 22.1 0.0 44.6
88 16.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 54.616 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

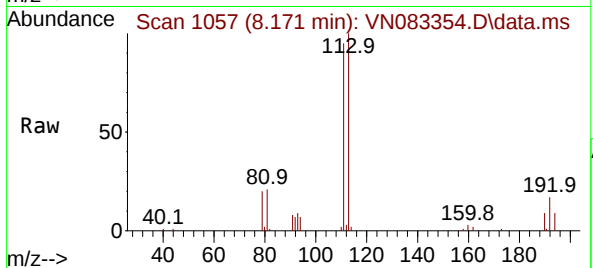
Lab File: VN083354.D

Acq: 16 Aug 2024 15:15

Instrument :

MSVOA_N

ClientSampleId :



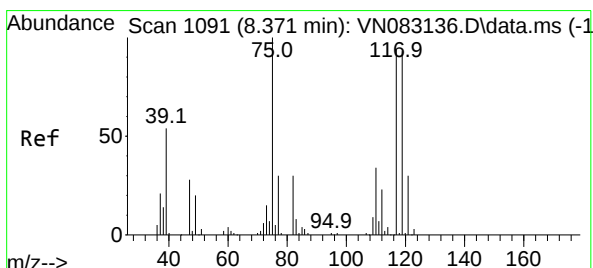
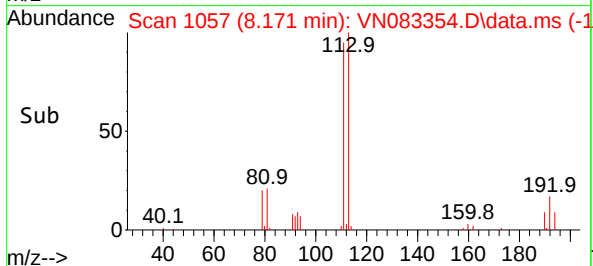
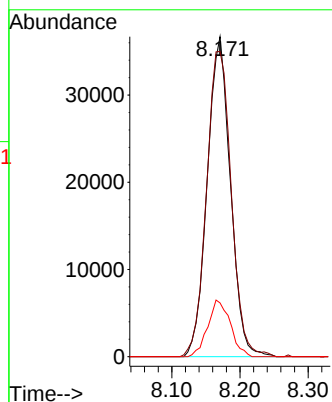
Tgt Ion:113 Resp: 86809

Ion Ratio Lower Upper

113 100

111 102.1 82.4 123.6

192 17.2 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.830 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN083354.D

Acq: 16 Aug 2024 15:15

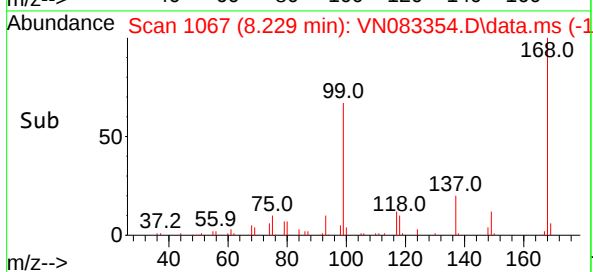
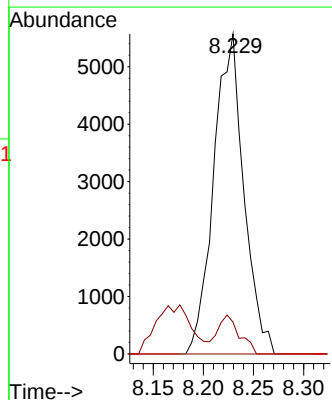
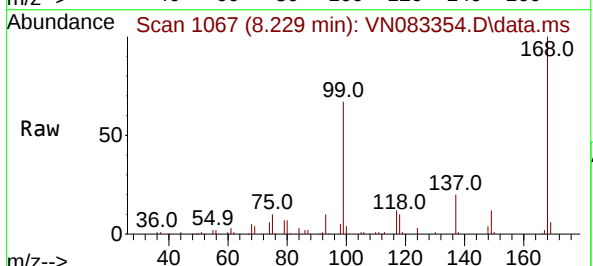
Tgt Ion: 75 Resp: 11614

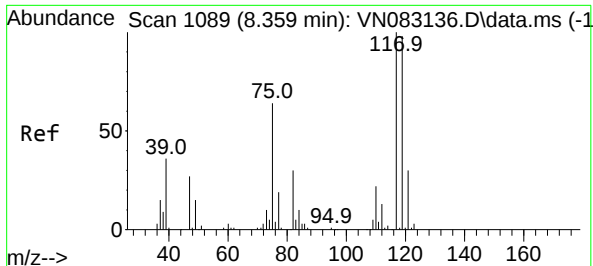
Ion Ratio Lower Upper

75 100

110 8.7 16.3 48.9#

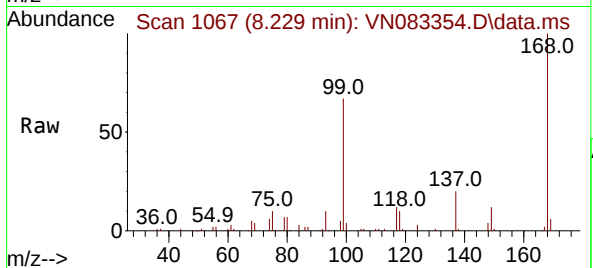
77 0.0 24.6 37.0#



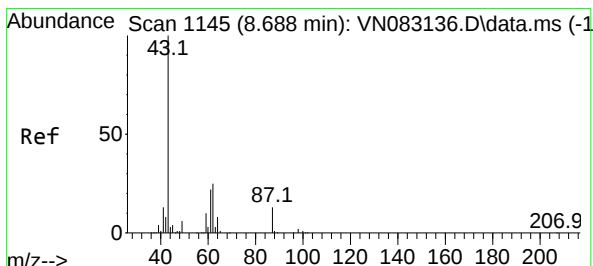
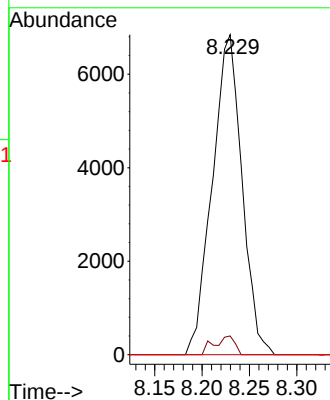
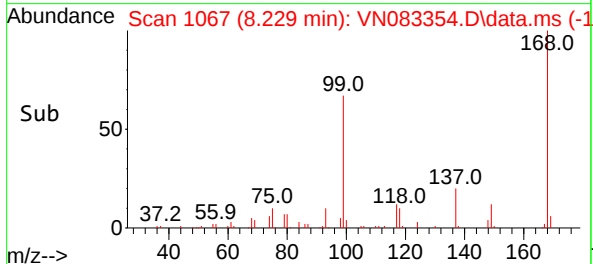


#38
Carbon Tetrachloride
Concen: 5.512 ug/l
RT: 8.229 min Scan# 1107
Delta R.T. -0.129 min
Lab File: VN083354.D
Acq: 16 Aug 2024 15:15

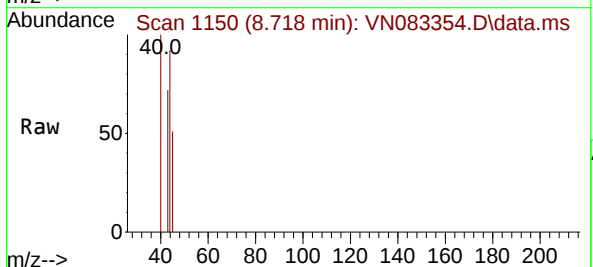
Instrument :
MSVOA_N
ClientSampleId :



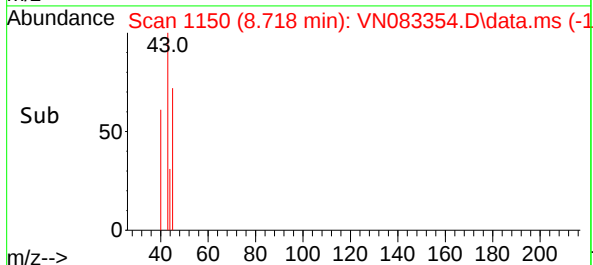
Tgt Ion:117 Resp: 14926
Ion Ratio Lower Upper
117 100
119 5.8 74.9 112.3#
121 0.0 24.3 36.5#

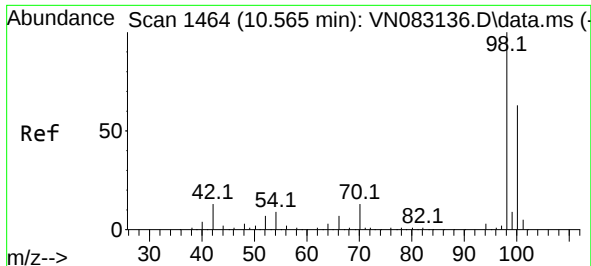


#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.718 min Scan# 1150
Delta R.T. 0.030 min
Lab File: VN083354.D
Acq: 16 Aug 2024 15:15



Tgt Ion: 43 Resp: 280
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#

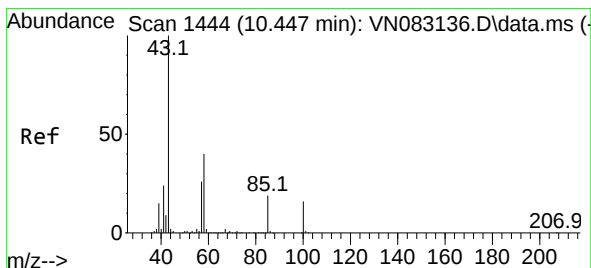
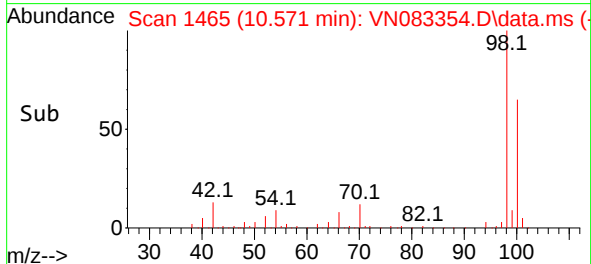
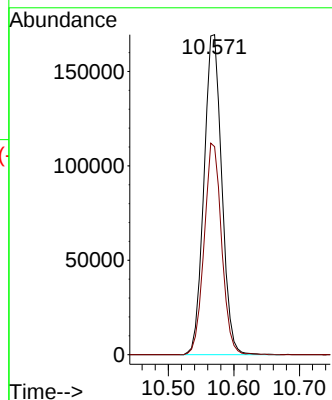
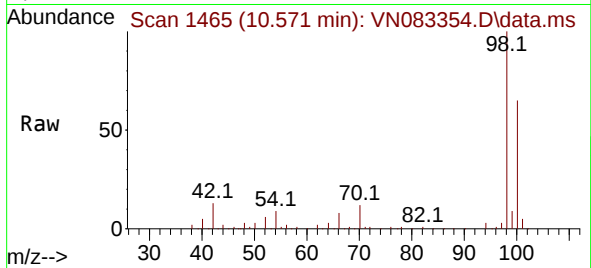




#50
Toluene-d8
Concen: 54.086 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN083354.D
Acq: 16 Aug 2024 15:15

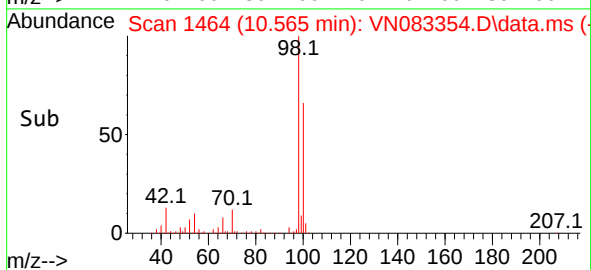
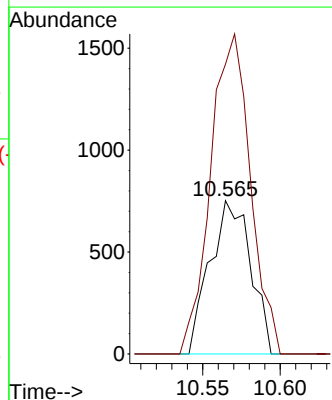
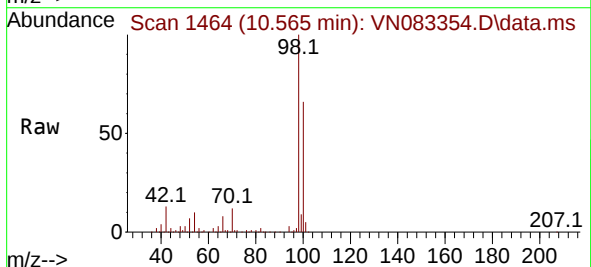
Instrument :
MSVOA_N
ClientSampleId :

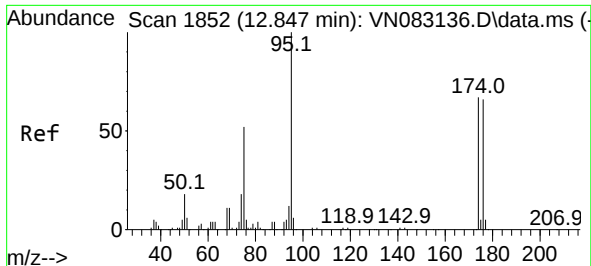
Tgt Ion: 98 Resp: 320673
Ion Ratio Lower Upper
98 100
100 64.7 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.540 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN083354.D
Acq: 16 Aug 2024 15:15

Tgt Ion: 43 Resp: 1375
Ion Ratio Lower Upper
43 100
58 204.1 28.2 42.4#

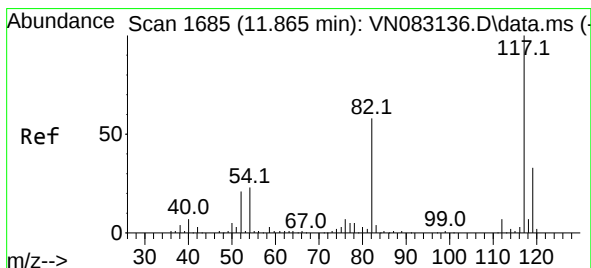
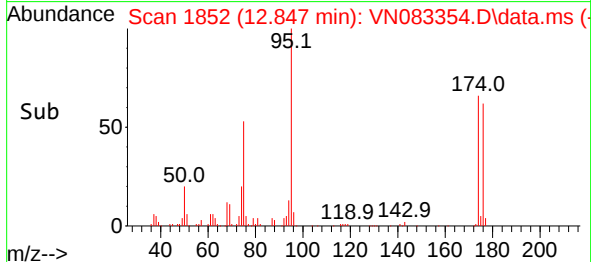
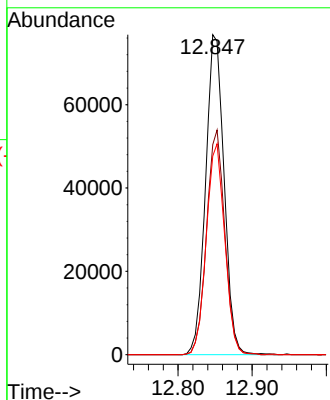
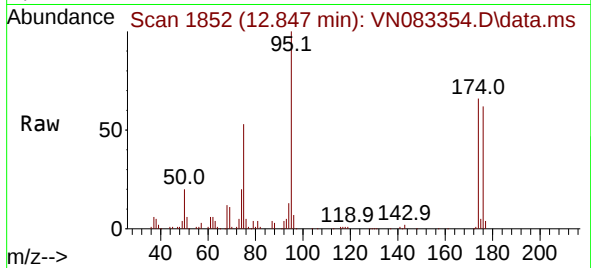




#62
4-Bromofluorobenzene
Concen: 57.580 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083354.D
Acq: 16 Aug 2024 15:15

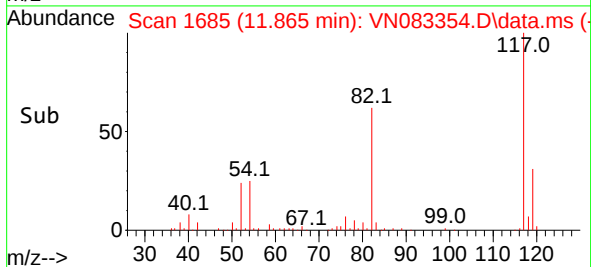
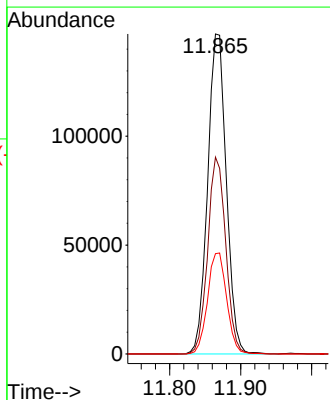
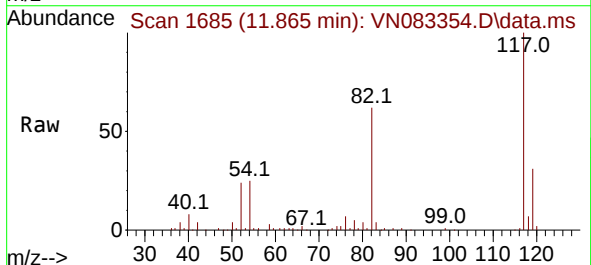
Instrument :
MSVOA_N
ClientSampleId :

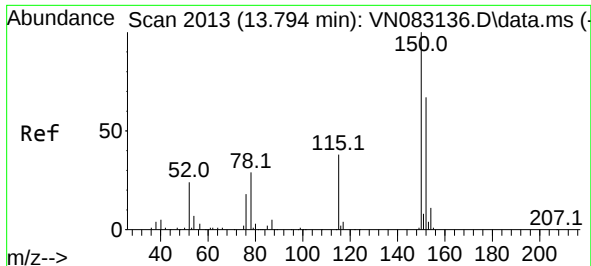
Tgt Ion: 95 Resp: 133093
Ion Ratio Lower Upper
95 100
174 69.2 0.0 159.2
176 65.7 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083354.D
Acq: 16 Aug 2024 15:15

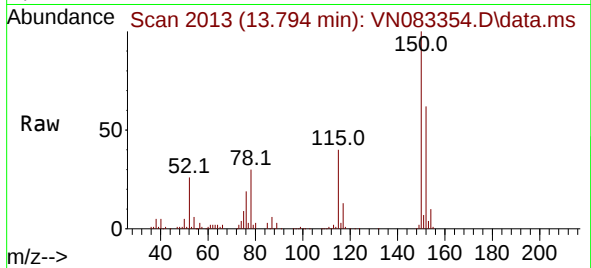
Tgt Ion: 117 Resp: 268108
Ion Ratio Lower Upper
117 100
82 61.5 47.5 71.3
119 31.4 25.6 38.4



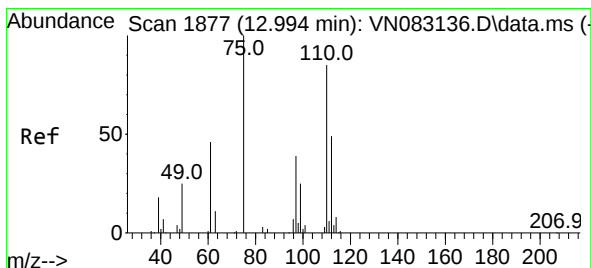
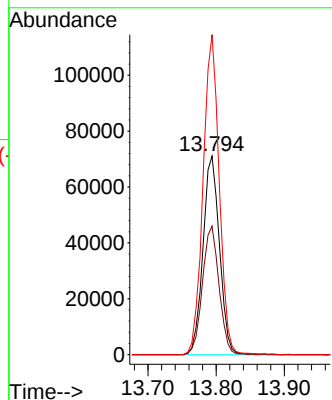
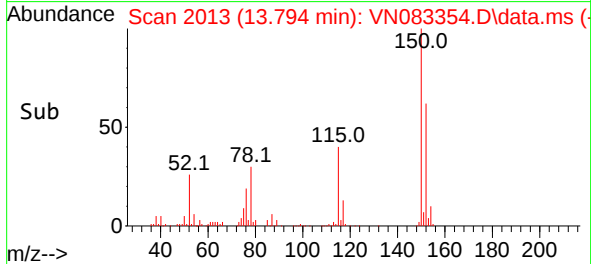


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN083354.D
 Acq: 16 Aug 2024 15:15

Instrument :
 MSVOA_N
 ClientSampleId :

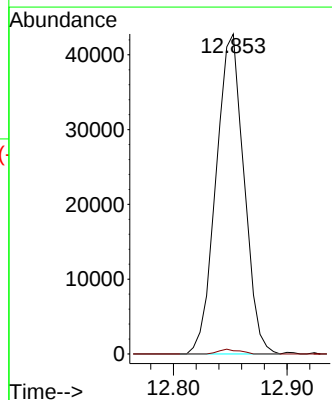
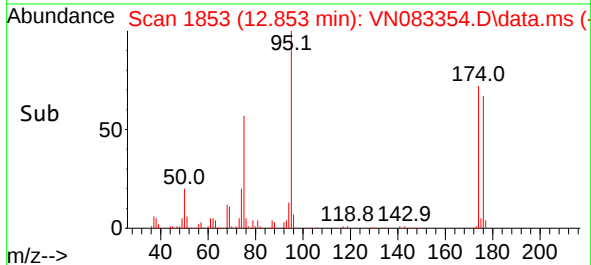
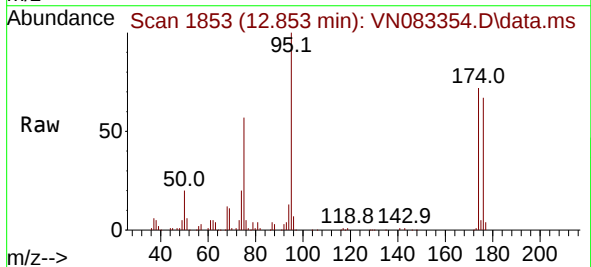


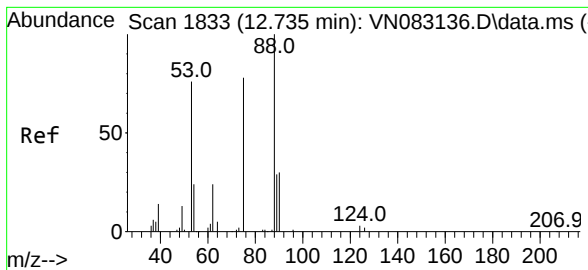
Tgt Ion:152 Resp: 119438
 Ion Ratio Lower Upper
 152 100
 115 65.0 30.6 91.6
 150 158.0 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 27.893 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN083354.D
 Acq: 16 Aug 2024 15:15

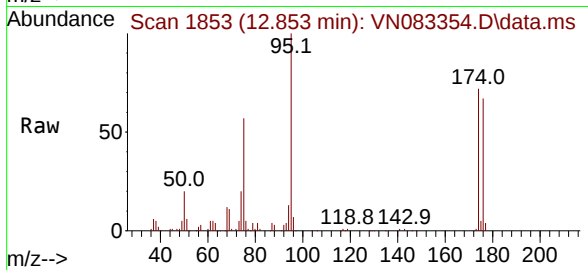
Tgt Ion: 75 Resp: 73119
 Ion Ratio Lower Upper
 75 100
 77 1.1 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.675 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN083354.D
 Acq: 16 Aug 2024 15:15

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 73119
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.4 132.6#
 89 0.0 36.3 54.5#

