

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091424\
 Data File : VN083881.D
 Acq On : 14 Sep 2024 11:33
 Operator : JC\MD
 Sample : VN0914MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 16 01:30:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	179157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	305383	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	104508	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123164	45.592	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.180%
35) Dibromofluoromethane	8.165	113	86829	44.413	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.820%
50) Toluene-d8	10.565	98	320792	47.464	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.920%
62) 4-Bromofluorobenzene	12.847	95	108372	38.865	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	77.720%

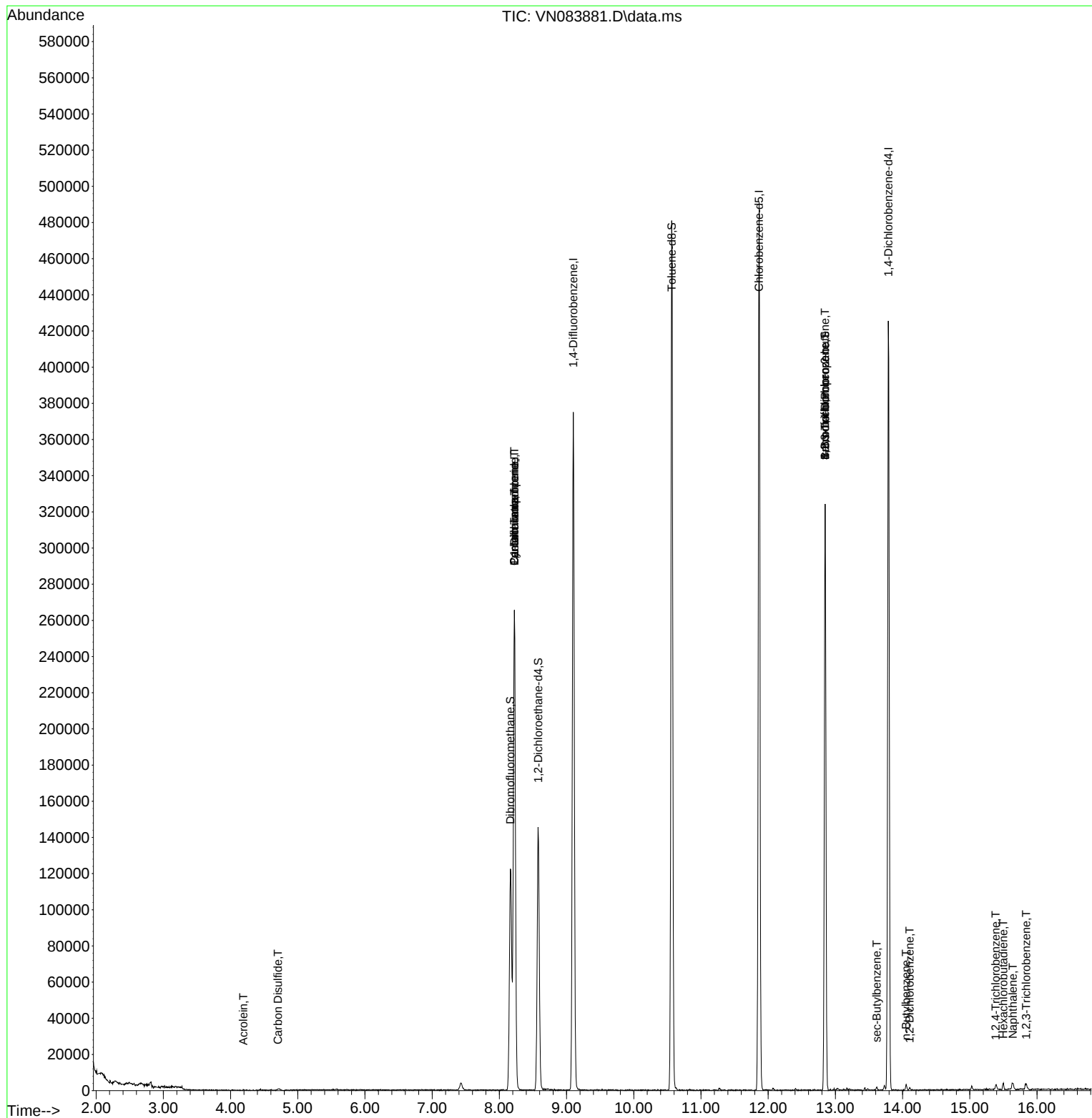
Target Compounds			Qvalue			
3) Chloromethane	2.359	50	281	Below Cal	#	41
13) Acrolein	4.189	56	211	0.591	ug/l #	13
17) Carbon Disulfide	4.706	76	2023	0.373	ug/l #	75
31) Cyclohexane	8.224	56	4970	1.273	ug/l #	12
36) 1,1-Dichloropropene	8.224	75	17115	5.816	ug/l #	49
38) Carbon Tetrachloride	8.224	117	19707	5.903	ug/l #	16
71) Bromoform	12.847	173	719	0.539	ug/l #	29
76) 1,2,3-Trichloropropane	12.847	75	61909	29.358	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61909	76.891	ug/l #	9
85) sec-Butylbenzene	13.617	105	1659	0.210	ug/l #	71
89) n-Butylbenzene	14.053	91	1917	0.322	ug/l	90
91) 1,2-Dichlorobenzene	14.106	146	807	0.228	ug/l #	59
93) 1,2,4-Trichlorobenzene	15.388	180	1336	0.702	ug/l #	89
94) Hexachlorobutadiene	15.500	225	859	1.063	ug/l	90
95) Naphthalene	15.641	128	4810	0.831	ug/l	95
96) 1,2,3-Trichlorobenzene	15.841	180	1685	0.927	ug/l	85

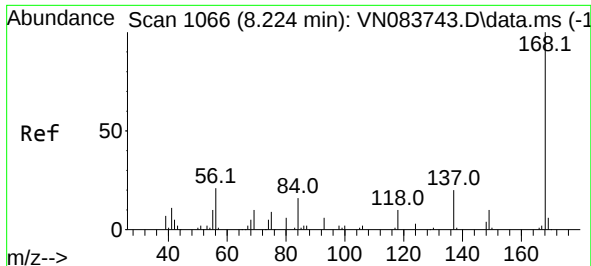
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Sep 16 01:30:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

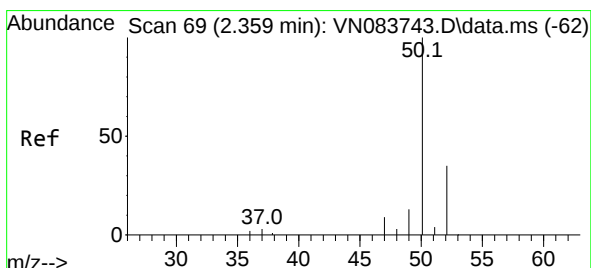
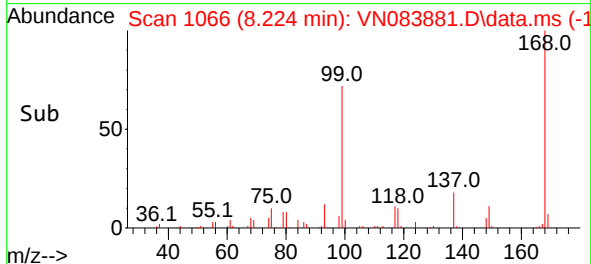
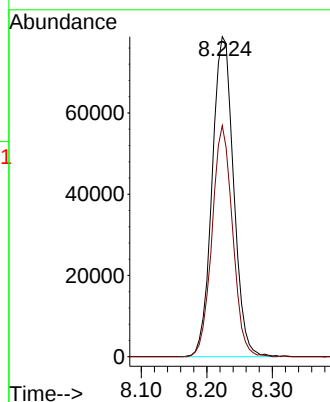
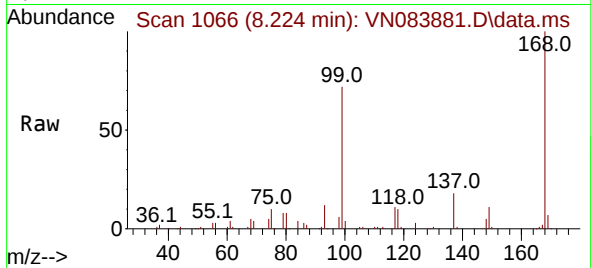




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083881.D
Acq: 14 Sep 2024 11:33

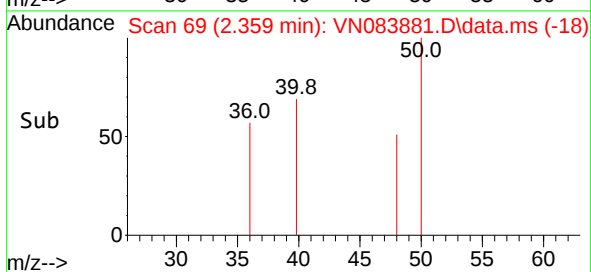
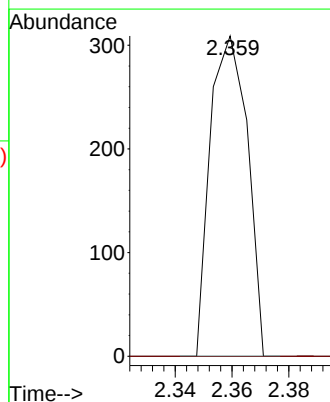
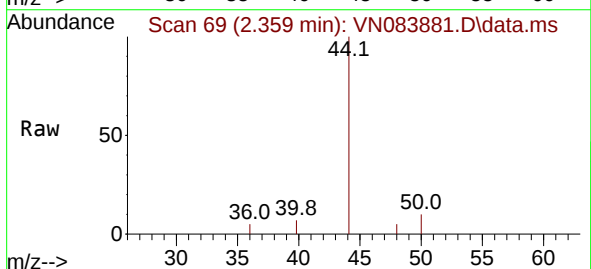
Instrument :
MSVOA_N
ClientSampleId :

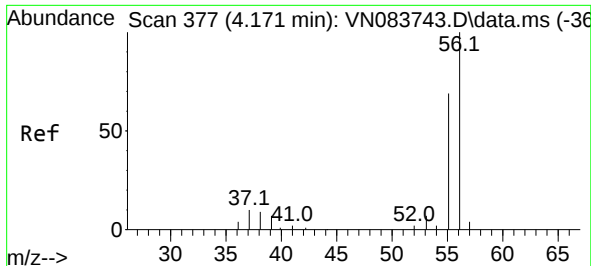
Tgt Ion:168 Resp: 179157
Ion Ratio Lower Upper
168 100
99 72.2 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083881.D
Acq: 14 Sep 2024 11:33

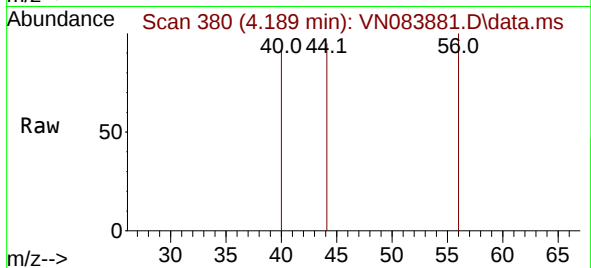
Tgt Ion: 50 Resp: 281
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#



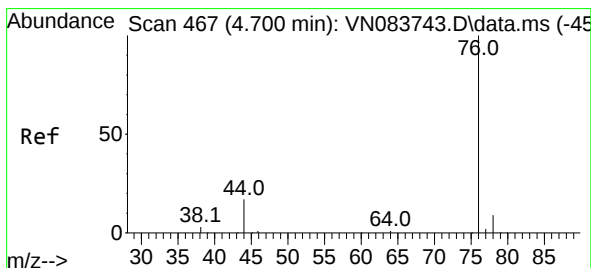
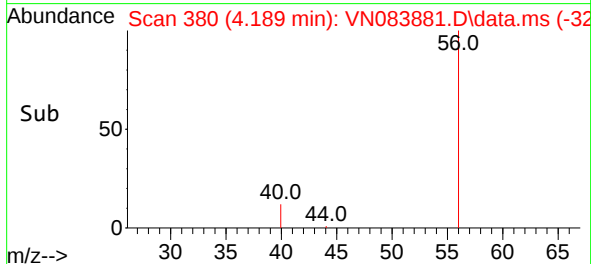
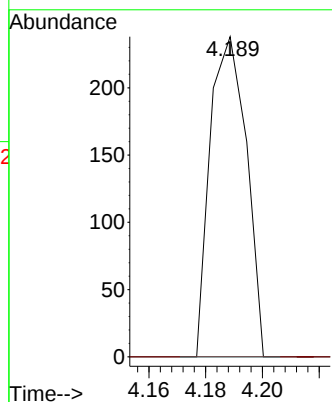


#13
Acrolein
Concen: 0.591 ug/l
RT: 4.189 min Scan# 377
Delta R.T. 0.018 min
Lab File: VN083881.D
Acq: 14 Sep 2024 11:33

Instrument :
MSVOA_N
ClientSampleId :

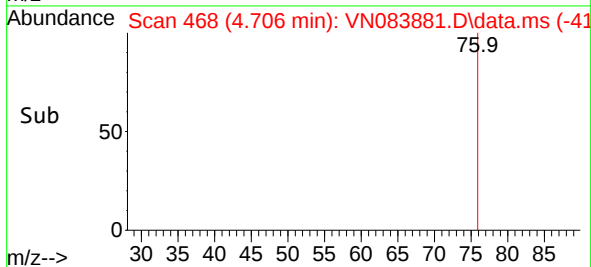
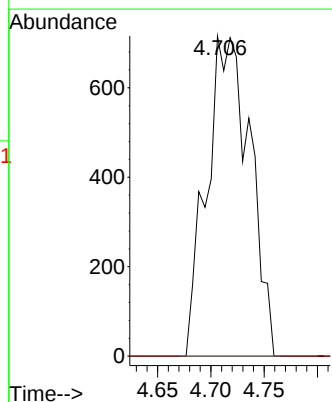
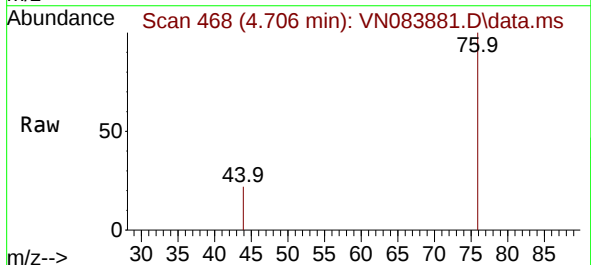


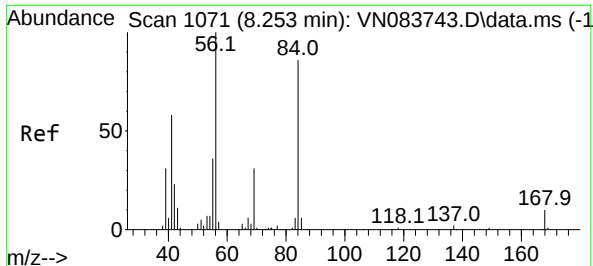
Tgt Ion: 56 Resp: 211
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.2#



#17
Carbon Disulfide
Concen: 0.373 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.006 min
Lab File: VN083881.D
Acq: 14 Sep 2024 11:33

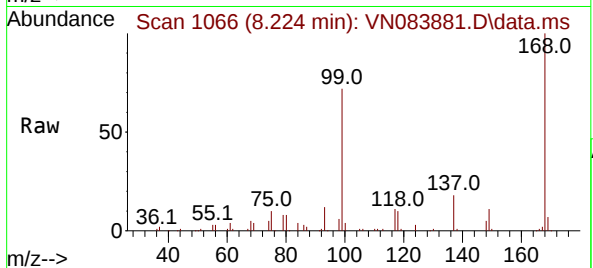
Tgt Ion: 76 Resp: 2023
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



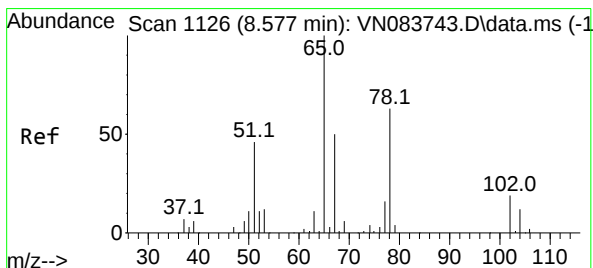
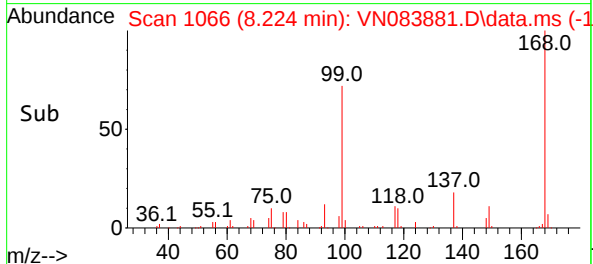
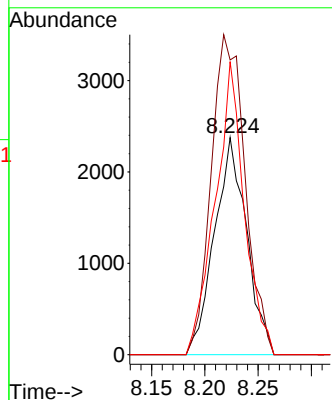


#31
Cyclohexane
Concen: 1.273 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN083881.D
Acq: 14 Sep 2024 11:33

Instrument :
MSVOA_N
ClientSampleId :

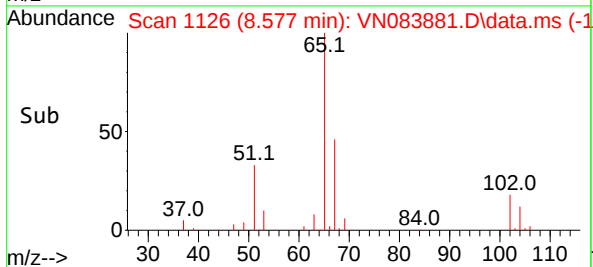
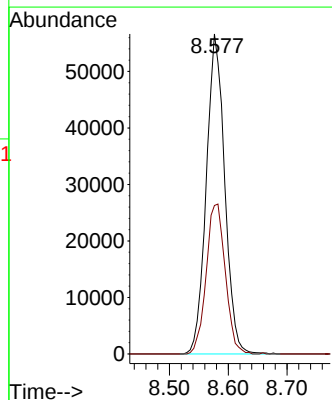
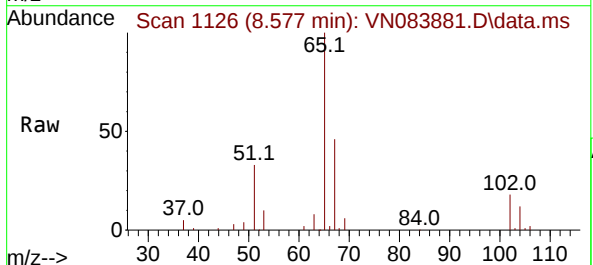


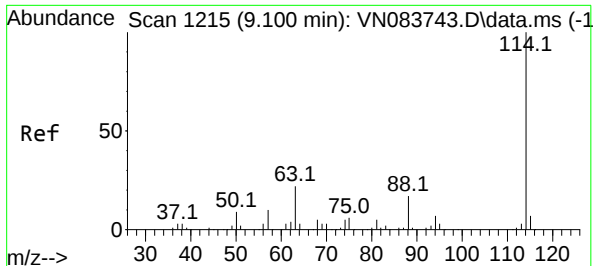
Tgt Ion: 56 Resp: 4970
Ion Ratio Lower Upper
56 100
69 135.8 26.9 40.3#
84 135.0 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 45.592 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN083881.D
Acq: 14 Sep 2024 11:33

Tgt Ion: 65 Resp: 123164
Ion Ratio Lower Upper
65 100
67 48.7 0.0 100.8

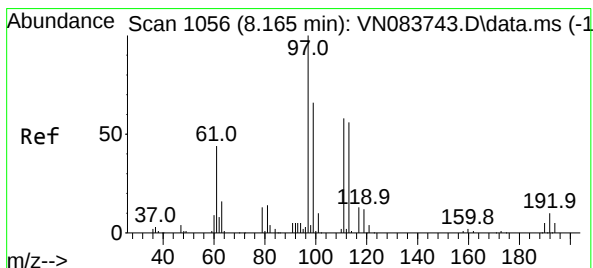
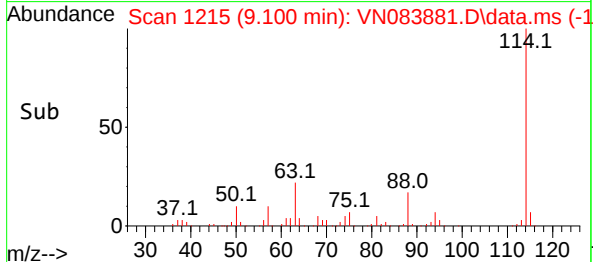
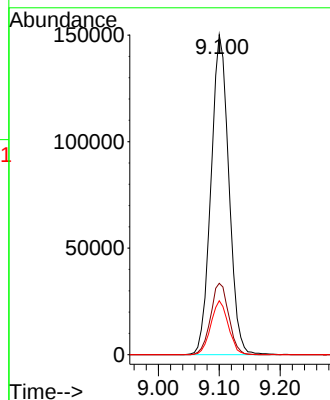
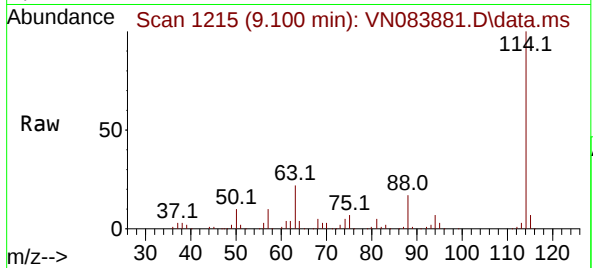




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083881.D
Acq: 14 Sep 2024 11:33

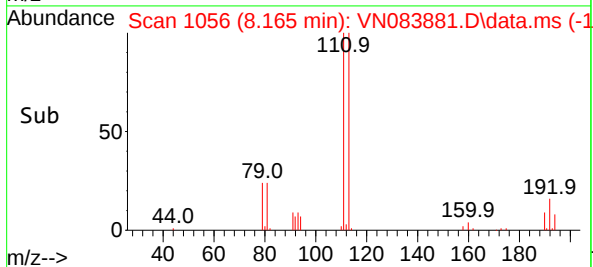
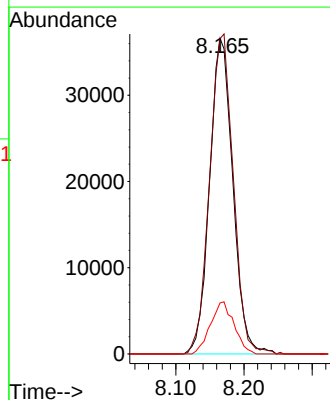
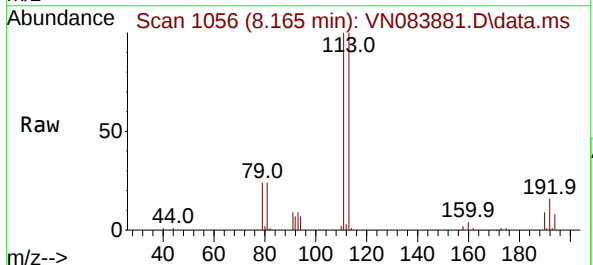
Instrument :
MSVOA_N
ClientSampleId :

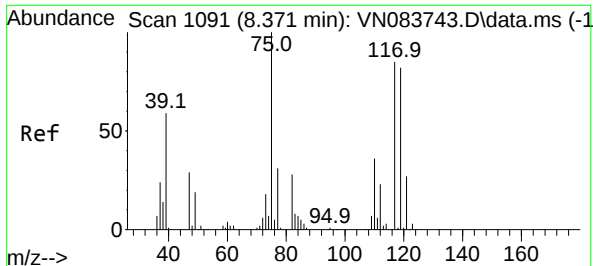
Tgt Ion:114 Resp: 305383
Ion Ratio Lower Upper
114 100
63 22.3 0.0 43.4
88 16.9 0.0 32.6



#35
Dibromofluoromethane
Concen: 44.413 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083881.D
Acq: 14 Sep 2024 11:33

Tgt Ion:113 Resp: 86829
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 16.8 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.816 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

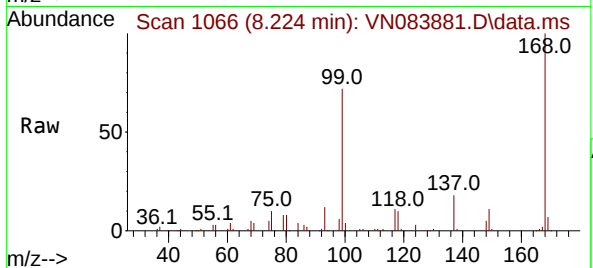
Lab File: VN083881.D

Acq: 14 Sep 2024 11:33

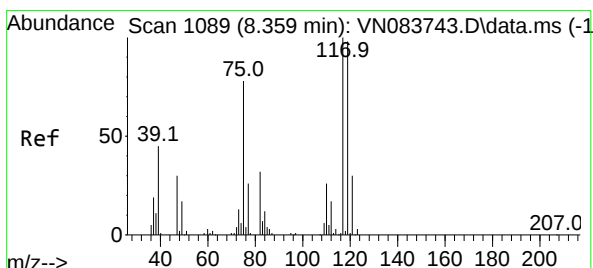
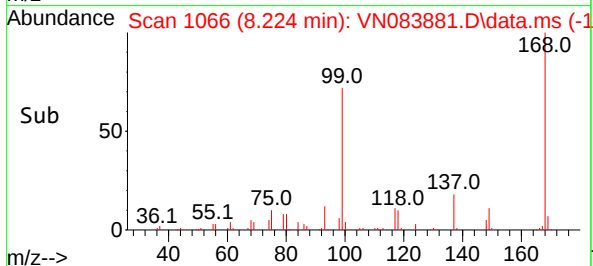
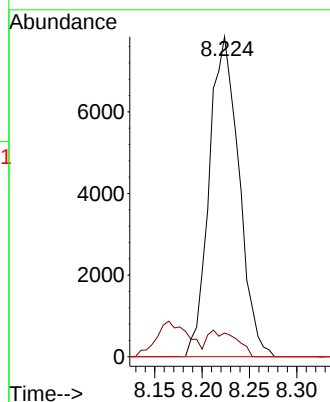
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	17115
Ion Ratio	Lower	Upper	
75	100		
110	7.9	16.7	50.1#
77	0.0	25.2	37.8#



#38

Carbon Tetrachloride

Concen: 5.903 ug/l

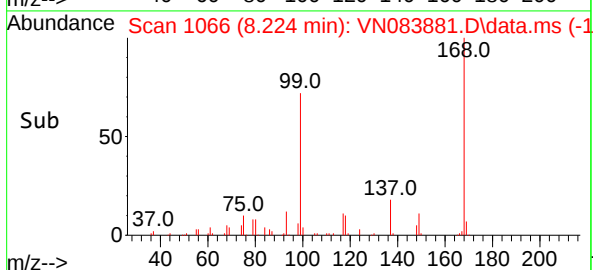
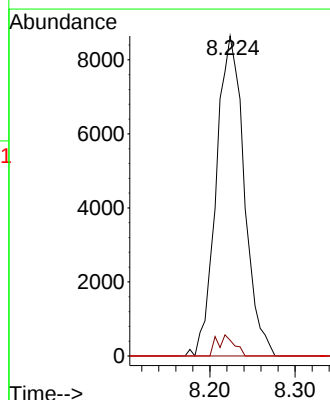
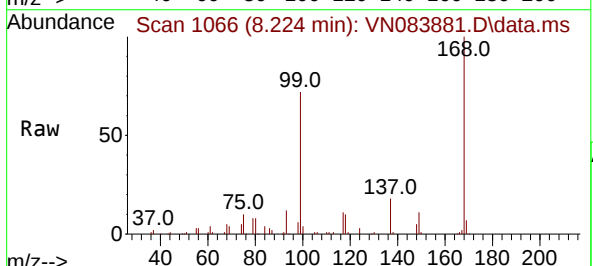
RT: 8.224 min Scan# 1066

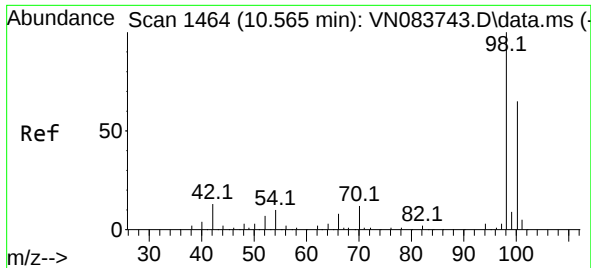
Delta R.T. -0.135 min

Lab File: VN083881.D

Acq: 14 Sep 2024 11:33

Tgt Ion:	117	Resp:	19707
Ion Ratio	Lower	Upper	
117	100		
119	4.9	76.1	114.1#
121	0.0	24.1	36.1#

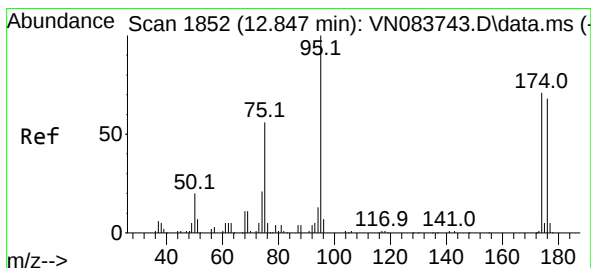
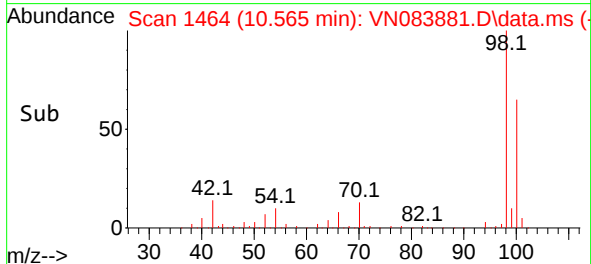
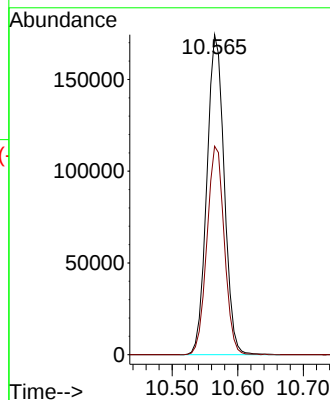
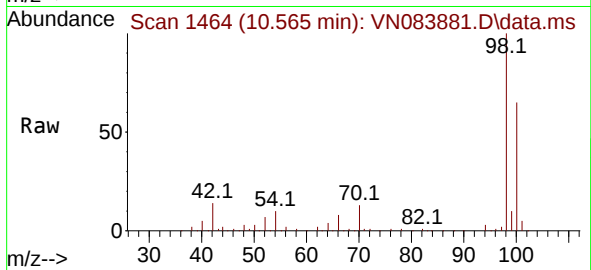




#50
Toluene-d8
Concen: 47.464 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083881.D
Acq: 14 Sep 2024 11:33

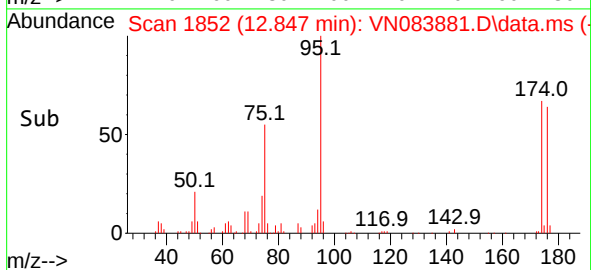
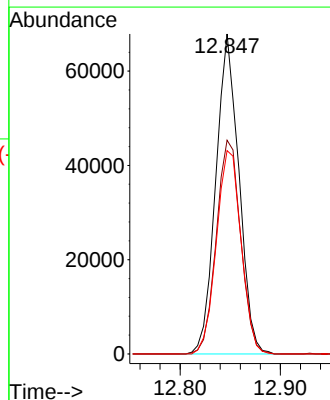
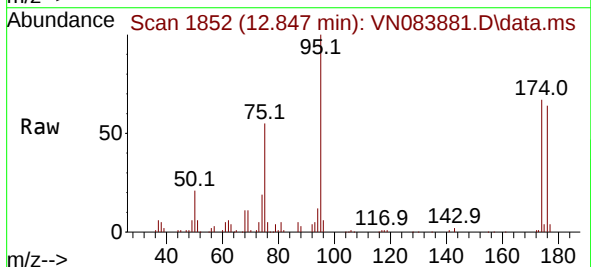
Instrument :
MSVOA_N
ClientSampleId :

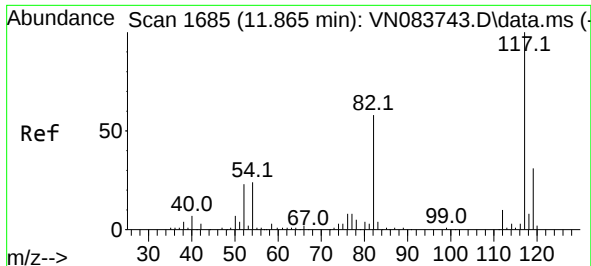
Tgt Ion: 98 Resp: 320792
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 38.865 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083881.D
Acq: 14 Sep 2024 11:33

Tgt Ion: 95 Resp: 108372
Ion Ratio Lower Upper
95 100
174 70.4 0.0 139.8
176 68.0 0.0 131.4

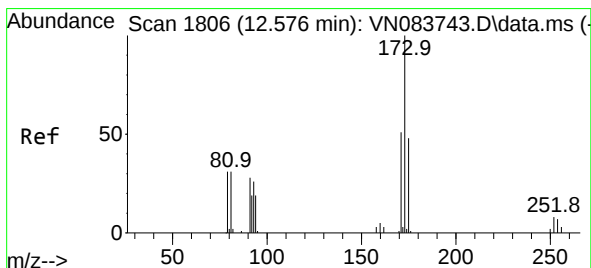
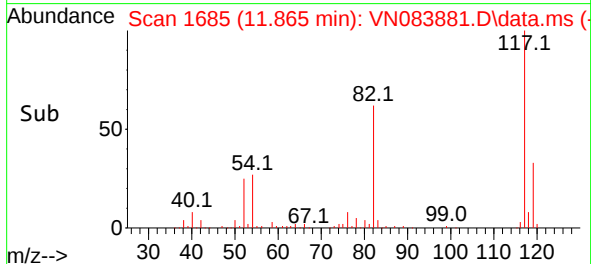
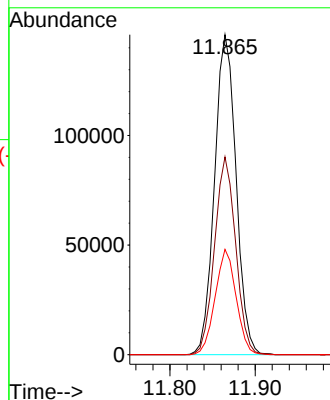
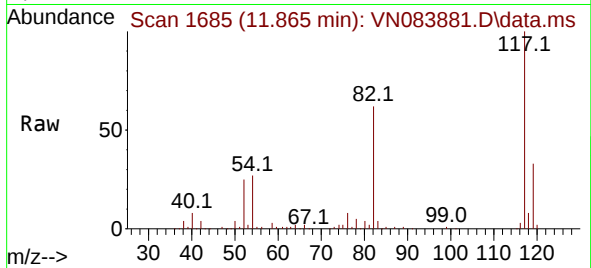




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN083881.D
Acq: 14 Sep 2024 11:33

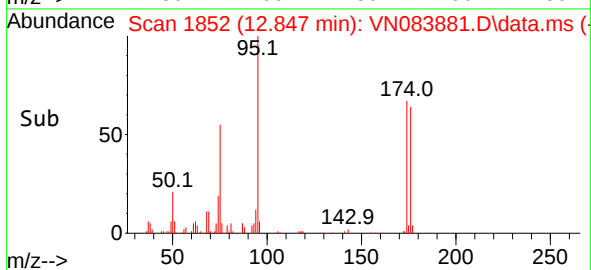
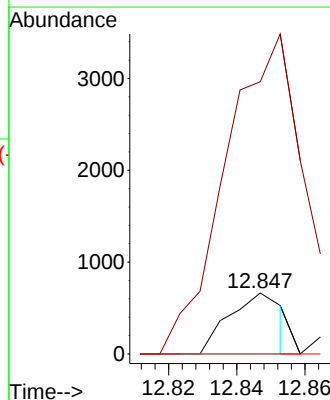
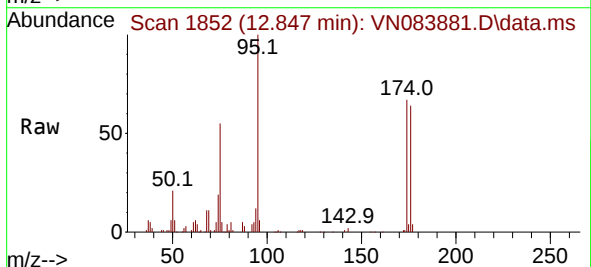
Instrument :
MSVOA_N
ClientSampleId :

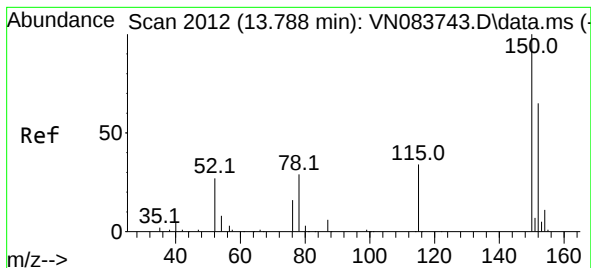
Tgt Ion:117 Resp: 256962
Ion Ratio Lower Upper
117 100
82 61.8 47.4 71.0
119 32.9 26.3 39.5



#71
Bromoform
Concen: 0.539 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN083881.D
Acq: 14 Sep 2024 11:33

Tgt Ion:173 Resp: 719
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN083881.D

Acq: 14 Sep 2024 11:33

Instrument :

MSVOA_N

ClientSampleId :

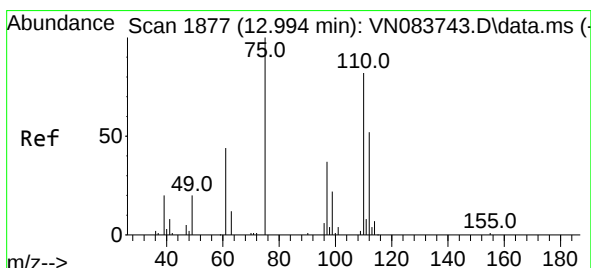
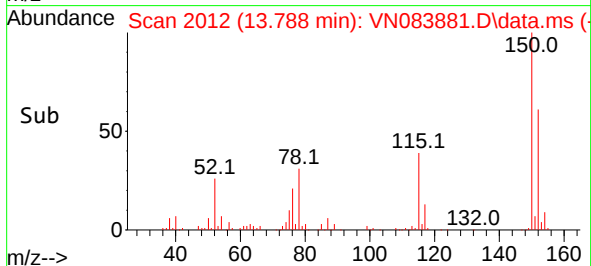
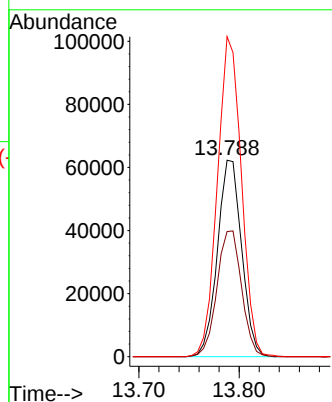
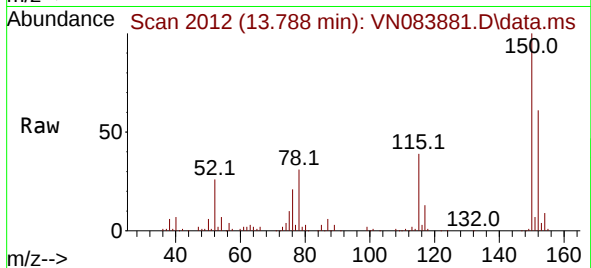
Tgt Ion:152 Resp: 104508

Ion Ratio Lower Upper

152 100

115 65.2 32.2 96.6

150 161.4 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 29.358 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083881.D

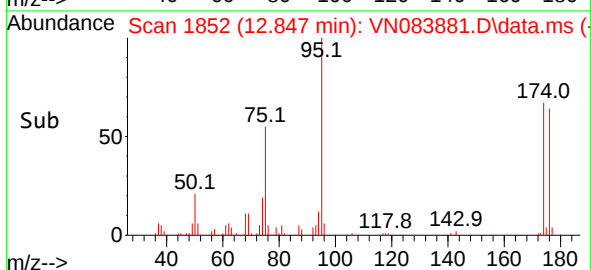
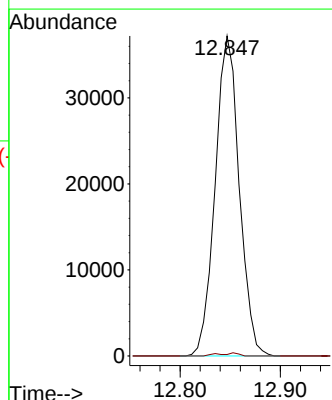
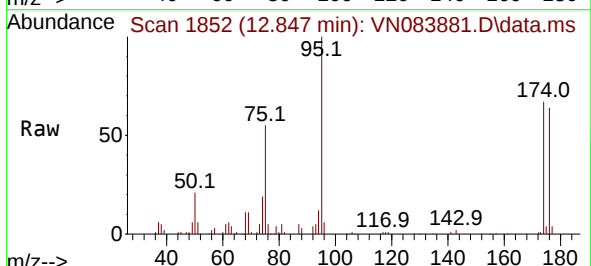
Acq: 14 Sep 2024 11:33

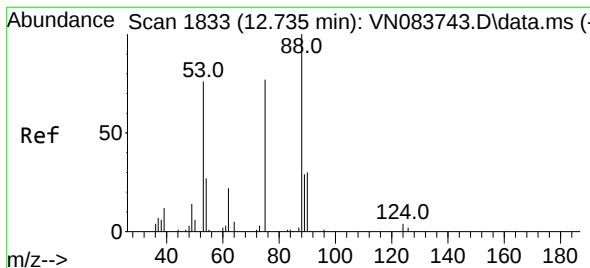
Tgt Ion: 75 Resp: 61909

Ion Ratio Lower Upper

75 100

77 0.8 95.2 285.6#

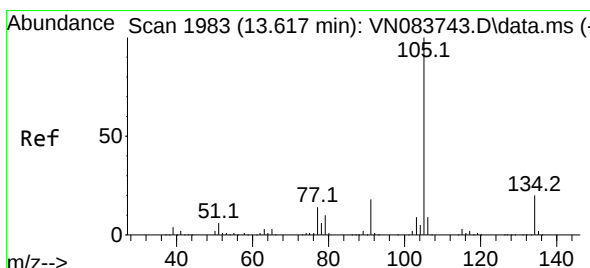
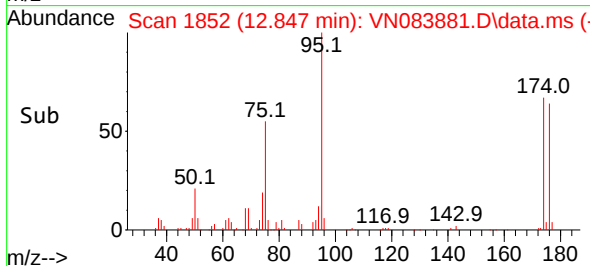
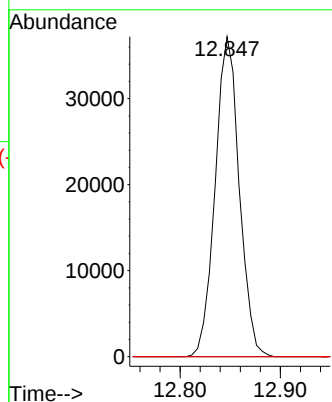
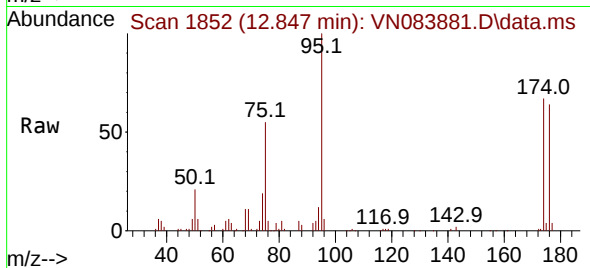




#81
trans-1,4-Dichloro-2-butene
Concen: 76.891 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083881.D
Acq: 14 Sep 2024 11:33

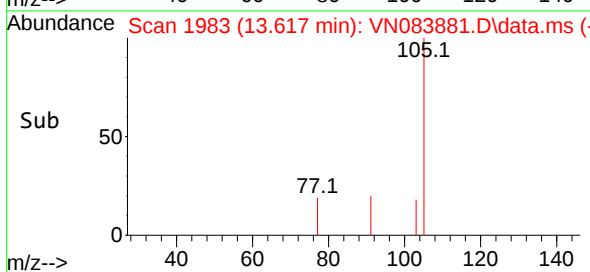
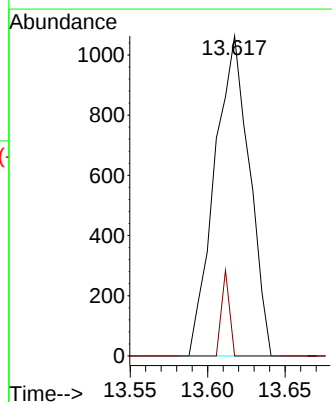
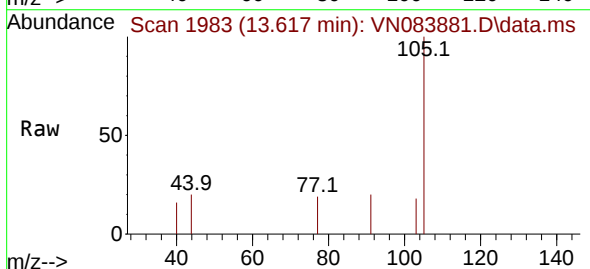
Instrument :
MSVOA_N
ClientSampleId :

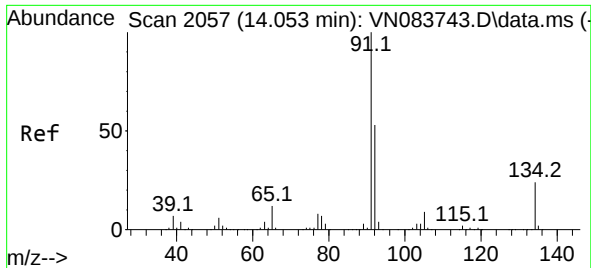
Tgt Ion: 75 Resp: 61909
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#



#85
sec-Butylbenzene
Concen: 0.210 ug/l
RT: 13.617 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN083881.D
Acq: 14 Sep 2024 11:33

Tgt Ion: 105 Resp: 1659
Ion Ratio Lower Upper
105 100
134 6.1 9.7 29.1#

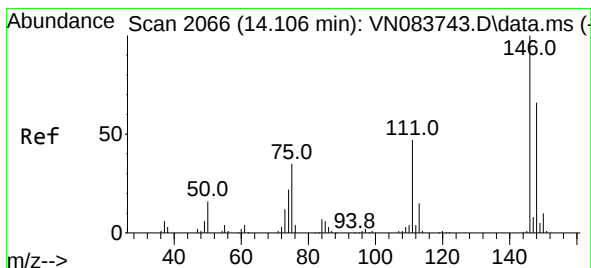
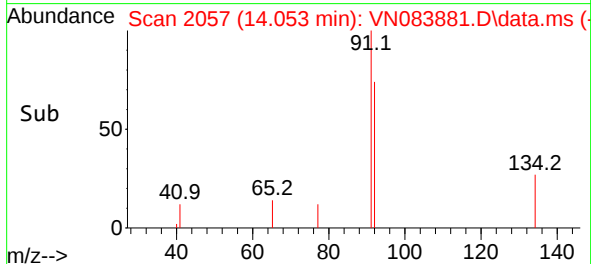
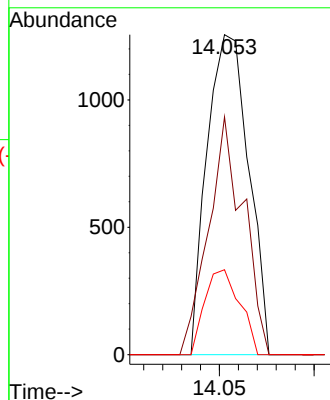
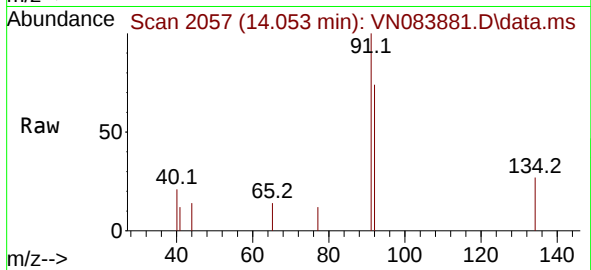




#89
n-Butylbenzene
Concen: 0.322 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN083881.D
Acq: 14 Sep 2024 11:33

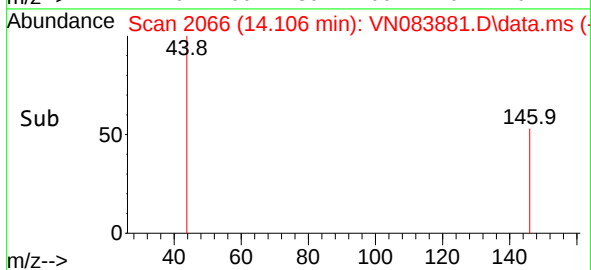
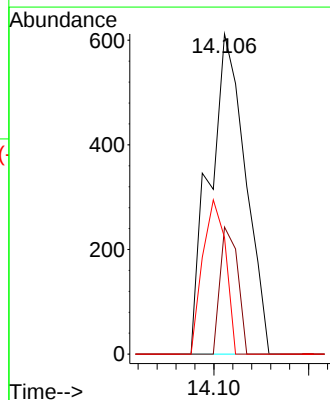
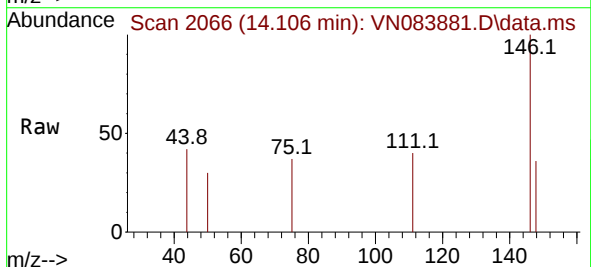
Instrument :
MSVOA_N
ClientSampleId :

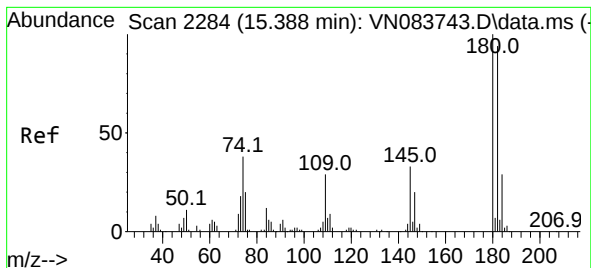
Tgt Ion: 91	Resp:	1917	
Ion	Ratio	Lower	Upper
91	100		
92	62.6	26.7	80.1
134	22.4	12.2	36.4



#91
1,2-Dichlorobenzene
Concen: 0.228 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN083881.D
Acq: 14 Sep 2024 11:33

Tgt Ion:146	Resp:	807	
Ion	Ratio	Lower	Upper
146	100		
111	19.5	22.8	68.3#
148	30.7	32.1	96.5#





#93

1,2,4-Trichlorobenzene

Concen: 0.702 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.000 min

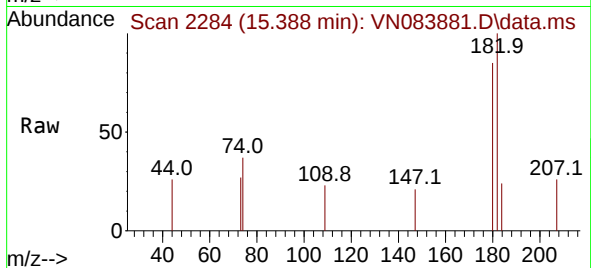
Lab File: VN083881.D

Acq: 14 Sep 2024 11:33

Instrument :

MSVOA_N

ClientSampleId :



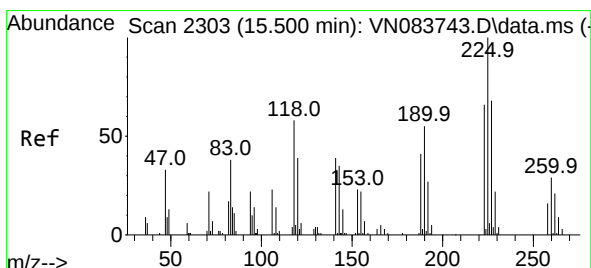
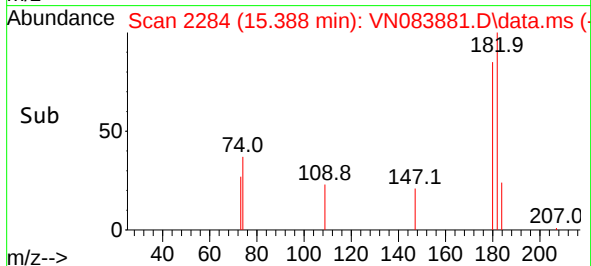
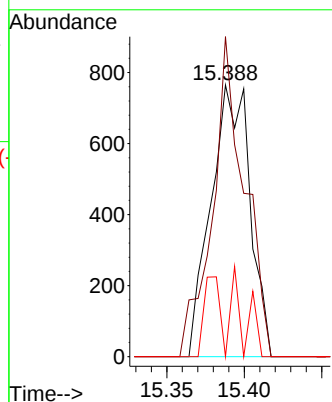
Tgt Ion:180 Resp: 1336

Ion Ratio Lower Upper

180 100

182 96.8 48.1 144.3

145 11.6 16.9 50.7#



#94

Hexachlorobutadiene

Concen: 1.063 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN083881.D

Acq: 14 Sep 2024 11:33

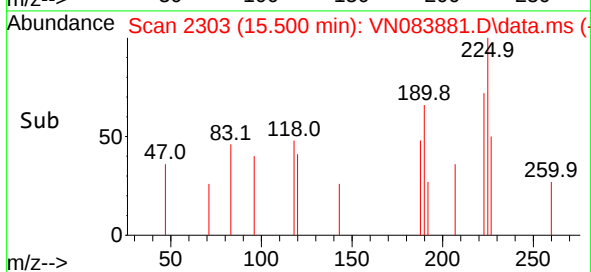
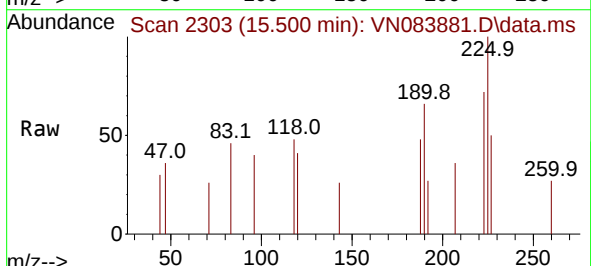
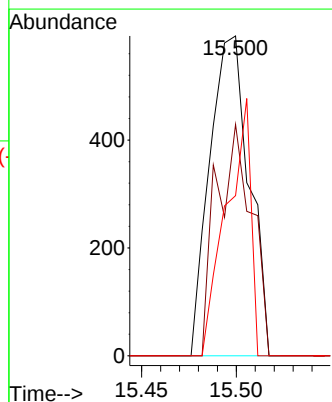
Tgt Ion:225 Resp: 859

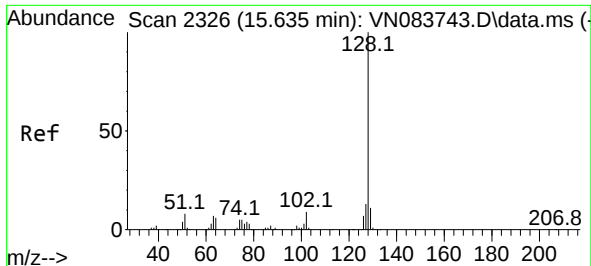
Ion Ratio Lower Upper

225 100

223 64.5 31.9 95.5

227 49.4 32.0 96.2

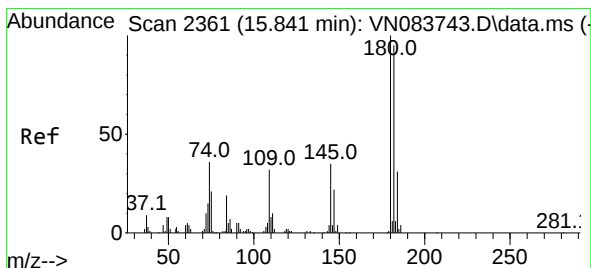
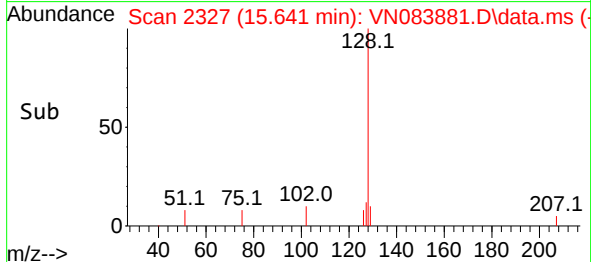
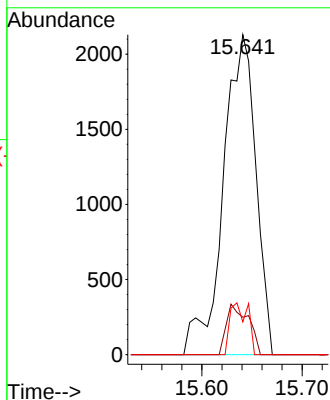
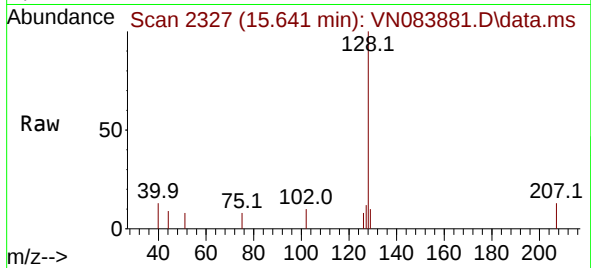




#95
Naphthalene
Concen: 0.831 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN083881.D
Acq: 14 Sep 2024 11:33

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 4810
Ion Ratio Lower Upper
128 100
127 10.6 10.2 15.2
129 8.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.927 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.000 min
Lab File: VN083881.D
Acq: 14 Sep 2024 11:33

Tgt Ion:180 Resp: 1685
Ion Ratio Lower Upper
180 100
182 78.6 47.1 141.4
145 29.4 17.8 53.5

